APPENDIX 5.3 BIG-1

AIR QUALITY TECHNICAL REPORT

*PART 11

1527	494761.06, 3858601.99	1.68E-02	5.30E-06	2.25E-06	8.66E-03	2.73E-06	1.16E-06	7.44E-04	2.35E-07	1.35E-08	7.70E-04	2.43E-07	1.85E-08	2.26E-06	1.16E-06
1528	494811.06, 3858601.99	1.65E-02	5.21E-06	2.21E-06	8.51E-03	2.68E-06	1.14E-06	7.35E-04	2.32E-07	1.33E-08	7.61E-04	2.40E-07	1.82E-08	2.21E-06	1.14E-06
1529	494861.06, 3858601.99	1.63E-02	5.14E-06	2.18E-06	8.40E-03	2.65E-06	1.13E-06	7.28E-04	2.30E-07	1.32E-08	7.54E-04	2.38E-07	1.81E-08	2.19E-06	1.13E-06
1530	494911.06, 3858601.99	1.60E-02	5.05E-06	2.14E-06	8.25E-03	2.60E-06	1.11E-06	7.21E-04	2.27E-07	1.31E-08	7.44E-04	2.35E-07	1.78E-08	2.15E-06	1.11E-06
1531	494961.06, 3858601.99	1.58E-02	4.98E-06	2.11E-06	8.14E-03	2.57E-06	1.09E-06	7.13E-04	2.25E-07	1.29E-08	7.38E-04	2.33E-07	1.77E-08	2.12E-06	1.10E-06
1532	495011.06, 3858601.99	1.56E-02	4.91E-06	2.08E-06	8.03E-03	2.53E-06	1.07E-06	7.06E-04	2.23E-07	1.28E-08	7.31E-04	2.31E-07	1.75E-08	2.09E-06	1.08E-06
1533	495061.06, 3858601.99	1.53E-02	4.83E-06	2.05E-06	7.91E-03	2.49E-06	1.06E-06	7.00E-04	2.21E-07	1.27E-08	7.23E-04	2.28E-07	1.73E-08	2.06E-06	1.06E-06
1534	495111.06, 3858601.99	1.49E-02	4.71E-06	2.00E-06	7.71E-03	2.43E-06	1.03E-06	6.91E-04	2.18E-07	1.25E-08	7.13E-04	2.25E-07	1.71E-08	2.00E-06	1.04E-06
1535	495161.06, 3858601.99	1.47E-02	4.65E-06	1.97E-06	7.61E-03	2.40E-06	1.02E-06	6.86E-04	2.17E-07	1.25E-08	7.08E-04	2.24E-07	1.70E-08	1.98E-06	1.02E-06
1536	495211.06, 3858601.99	1.46E-02	4.61E-06	1.95E-06	7.55E-03	2.38E-06	1.01E-06	6.81E-04	2.15E-07	1.24E-08	7.04E-04	2.22E-07	1.69E-08	1.96E-06	1.01E-06
1537	495261.06, 3858601.99	1.44E-02	4.56E-06	1.93E-06	7.47E-03	2.36E-06	1.00E-06	6.77E-04	2.14E-07	1.23E-08	7.00E-04	2.21E-07	1.68E-08	1.94E-06	1.00E-06
1538	495311.06, 3858601.99	1.43E-02	4.52E-06	1.92E-06	7.41E-03	2.34E-06	9.92E-07	6.74E-04	2.13E-07	1.22E-08	6.95E-04	2.19E-07	1.67E-08	1.92E-06	9.97E-07
1539	495361.06, 3858601.99	1.42E-02	4.50E-06	1.91E-06	7.37E-03	2.33E-06	9.87E-07	6.70E-04	2.12E-07	1.22E-08	6.94E-04	2.19E-07	1.66E-08	1.91E-06	9.91E-07
1540	495411.06, 3858601.99	1.42E-02	4.47E-06	1.90E-06	7.33E-03	2.31E-06	9.82E-07	6.69E-04	2.11E-07	1.21E-08	6.90E-04	2.18E-07	1.65E-08	1.90E-06	9.86E-07
1541	495461.06, 3858601.99	1.41E-02	4.45E-06	1.89E-06	7.30E-03	2.30E-06	9.77E-07	6.66E-04	2.10E-07	1.21E-08	6.89E-04	2.17E-07	1.65E-08	1.89E-06	9.82E-07
1542	495511.06, 3858601.99	1.40E-02	4.42E-06	1.87E-06	7.24E-03	2.29E-06	9.70E-07	6.63E-04	2.09E-07	1.20E-08	6.86E-04	2.16E-07	1.64E-08	1.88E-06	9.74E-07
1543	495561.06, 3858601.99	1.40E-02	4.41E-06	1.87E-06	7.22E-03	2.28E-06	9.67E-07	6.61E-04	2.09E-07	1.20E-08	6.84E-04	2.16E-07	1.64E-08	1.87E-06	9.71E-07
1544	495611.06, 3858601.99	1.38E-02	4.36E-06	1.85E-06	7.15E-03	2.26E-06	9.58E-07	6.58E-04	2.08E-07	1.19E-08	6.81E-04	2.15E-07	1.63E-08	1.86E-06	9.62E-07
1545	495661.06, 3858601.99	1.38E-02	4.35E-06	1.84E-06	7.13E-03	2.25E-06	9.54E-07	6.55E-04	2.07E-07	1.19E-08	6.77E-04	2.14E-07	1.62E-08	1.85E-06	9.59E-07
1546	494311.06, 3858651.99	1.72E-02	5.41E-06	2.30E-06	8.85E-03	2.79E-06	1.18E-06	7.71E-04	2.43E-07	1.40E-08	7.93E-04	2.50E-07	1.90E-08	2.30E-06	1.19E-06
1547	494361.06, 3858651.99	1.77E-02	5.59E-06	2.37E-06	9.13E-03	2.88E-06	1.22E-06	7.82E-04	2.47E-07	1.42E-08	8.06E-04	2.54E-07	1.93E-08	2.38E-06	1.23E-06
1548	494411.06, 3858651.99	1.83E-02	5.76E-06	2.44E-06	9.40E-03	2.97E-06	1.26E-06	7.96E-04	2.51E-07	1.44E-08	8.24E-04	2.60E-07	1.97E-08	2.45E-06	1.26E-06
1549	494461.06, 3858651.99	1.82E-02	5.74E-06	2.43E-06	9.36E-03	2.96E-06	1.25E-06	7.97E-04	2.52E-07	1.45E-08	8.24E-04	2.60E-07	1.97E-08	2.44E-06	1.26E-06
1550	494511.06, 3858651.99	1.80E-02	5.69E-06	2.41E-06	9.28E-03	2.93E-06	1.24E-06	7.93E-04	2.50E-07	1.44E-08	8.19E-04	2.59E-07	1.96E-08	2.42E-06	1.25E-06
1551	494561.06, 3858651.99	1.79E-02	5.65E-06	2.40E-06	9.22E-03	2.91E-06	1.23E-06	7.88E-04	2.49E-07	1.43E-08	8.15E-04	2.57E-07	1.95E-08	2.40E-06	1.24E-06
1552	494611.06, 3858651.99	1.78E-02	5.60E-06	2.38E-06	9.15E-03	2.89E-06	1.22E-06	7.83E-04	2.47E-07	1.42E-08	8.10E-04	2.56E-07	1.94E-08	2.38E-06	1.23E-06
1553	494661.06, 3858651.99	1.75E-02	5.54E-06	2.35E-06	9.04E-03	2.85E-06	1.21E-06	7.75E-04	2.45E-07	1.41E-08	8.03E-04	2.53E-07	1.92E-08	2.36E-06	1.22E-06
1554	494711.06, 3858651.99	1.73E-02	5.46E-06	2.32E-06	8.91E-03	2.81E-06	1.19E-06	7.68E-04	2.42E-07	1.39E-08	7.95E-04	2.51E-07	1.90E-08	2.32E-06	1.20E-06
1555	494761.06, 3858651.99	1.71E-02	5.39E-06	2.29E-06	8.81E-03	2.78E-06	1.18E-06	7.61E-04	2.40E-07	1.38E-08	7.87E-04	2.48E-07	1.88E-08	2.29E-06	1.18E-06
1556	494811.06, 3858651.99	1.68E-02	5.30E-06	2.25E-06	8.66E-03	2.73E-06	1.16E-06	7.52E-04	2.37E-07	1.36E-08	7.79E-04	2.46E-07	1.87E-08	2.25E-06	1.17E-06
1557	494861.06, 3858651.99	1.65E-02	5.22E-06	2.22E-06	8.53E-03	2.69E-06	1.14E-06	7.44E-04	2.35E-07	1.35E-08	7.69E-04	2.43E-07	1.84E-08	2.22E-06	1.15E-06
1558	494911.06, 3858651.99	1.63E-02	5.13E-06	2.18E-06	8.39E-03	2.65E-06	1.12E-06	7.35E-04	2.32E-07	1.33E-08	7.61E-04	2.40E-07	1.82E-08	2.18E-06	1.13E-06
1559	494961.06, 3858651.99	1.60E-02	5.04E-06	2.14E-06	8.25E-03	2.60E-06	1.10E-06	7.27E-04	2.29E-07	1.32E-08	7.51E-04	2.37E-07	1.80E-08	2.15E-06	1.11E-06
1560	495011.06, 3858651.99	1.58E-02	4.98E-06	2.11E-06	8.14E-03	2.57E-06	1.09E-06	7.21E-04	2.27E-07	1.31E-08	7.44E-04	2.35E-07	1.78E-08	2.12E-06	1.09E-06
1561	495061.06, 3858651.99	1.55E-02	4.90E-06	2.08E-06	8.02E-03	2.53E-06	1.07E-06	7.13E-04	2.25E-07	1.29E-08	7.38E-04	2.33E-07	1.77E-08	2.08E-06	1.08E-06
1562	495111.06, 3858651.99	1.53E-02	4.81E-06	2.04E-06	7.88E-03	2.49E-06	1.06E-06	7.05E-04	2.22E-07	1.28E-08	7.28E-04	2.30E-07	1.74E-08	2.05E-06	1.06E-06
1563	495161.06, 3858651.99	1.51E-02	4.75E-06	2.02E-06	7.78E-03	2.46E-06	1.04E-06	6.99E-04	2.21E-07	1.27E-08	7.23E-04	2.28E-07	1.73E-08	2.02E-06	1.05E-06
1564	495211.06, 3858651.99	1.49E-02	4.69E-06	1.99E-06	7.68E-03	2.42E-06	1.03E-06	6.92E-04	2.19E-07	1.26E-08	7.17E-04	2.26E-07	1.72E-08	1.99E-06	1.03E-06
1565	495261.06, 3858651.99	1.48E-02	4.66E-06	1.98E-06	7.63E-03	2.41E-06	1.02E-06	6.89E-04	2.18E-07	1.25E-08	7.13E-04	2.25E-07	1.71E-08	1.98E-06	1.03E-06
1566	495311.06, 3858651.99	1.46E-02	4.60E-06	1.95E-06	7.54E-03	2.38E-06	1.01E-06	6.86E-04	2.17E-07	1.25E-08	7.10E-04	2.24E-07	1.70E-08	1.96E-06	1.01E-06
1567	495361.06, 3858651.99	1.45E-02	4.58E-06	1.94E-06	7.50E-03	2.37E-06	1.00E-06	6.83E-04	2.16E-07	1.24E-08	7.07E-04	2.23E-07	1.69E-08	1.95E-06	1.01E-06
1568	495411.06, 3858651.99	1.44E-02	4.56E-06	1.93E-06	7.47E-03	2.36E-06	1.00E-06	6.81E-04	2.15E-07	1.24E-08	7.05E-04	2.23E-07	1.69E-08	1.94E-06	1.00E-06
1569	495461.06, 3858651.99	1.44E-02	4.54E-06	1.93E-06	7.44E-03	2.35E-06	9.96E-07	6.80E-04	2.15E-07	1.23E-08	7.04E-04	2.22E-07	1.69E-08	1.93E-06	1.00E-06
1570	495511.06, 3858651.99	1.43E-02	4.50E-06	1.91E-06	7.38E-03	2.33E-06	9.88E-07	6.75E-04	2.13E-07	1.23E-08	6.99E-04	2.20E-07	1.67E-08	1.91E-06	9.92E-07
1571	495561.06, 3858651.99	1.41E-02	4.47E-06	1.89E-06	7.32E-03	2.31E-06	9.80E-07	6.72E-04	2.12E-07	1.22E-08	6.95E-04	2.19E-07	1.67E-08	1.90E-06	9.85E-07
1572	495611.06, 3858651.99	1.40E-02	4.42E-06	1.88E-06	7.25E-03	2.29E-06	9.71E-07	6.67E-04	2.11E-07	1.21E-08	6.92E-04	2.18E-07	1.66E-08	1.88E-06	9.75E-07
1573	495661.06, 3858651.99	1.39E-02	4.40E-06	1.87E-06	7.22E-03	2.28E-06	9.67E-07	6.66E-04	2.10E-07	1.21E-08	6.89E-04	2.17E-07	1.65E-08	1.87E-06	9.71E-07
1574	494311.06, 3858701.99	1.74E-02	5.50E-06	2.34E-06	9.00E-03	2.84E-06	1.20E-06	7.90E-04	2.49E-07	1.43E-08	8.13E-04	2.57E-07	1.95E-08	2.34E-06	1.21E-06
1575	494361.06, 3858701.99	1.82E-02	5.74E-06	2.43E-06	9.37E-03	2.96E-06	1.25E-06	8.05E-04	2.54E-07	1.46E-08	8.32E-04	2.63E-07	1.99E-08	2.44E-06	1.26E-06
1576	494411.06, 3858701.99	1.85E-02	5.84E-06	2.48E-06	9.53E-03	3.01E-06	1.28E-06	8.15E-04	2.57E-07	1.48E-08	8.44E-04	2.66E-07	2.02E-08	2.48E-06	1.28E-06
1577	494461.06, 3858701.99	1.84E-02	5.81E-06	2.46E-06	9.48E-03	2.99E-06	1.27E-06	8.11E-04	2.56E-07	1.47E-08	8.41E-04	2.65E-07	2.01E-08	2.47E-06	1.28E-06
1578	494511.06, 3858701.99	1.83E-02	5.77E-06	2.45E-06	9.42E-03	2.97E-06	1.26E-06	8.11E-04	2.56E-07	1.47E-08	8.39E-04	2.65E-07	2.01E-08	2.45E-06	1.27E-06
1579	494561.06, 3858701.99	1.81E-02	5.72E-06	2.43E-06	9.34E-03	2.95E-06	1.25E-06	8.05E-04	2.54E-07	1.46E-08	8.34E-04	2.63E-07	2.00E-08	2.43E-06	1.26E-06
1580	494611.06, 3858701.99	1.78E-02	5.63E-06	2.39E-06	9.20E-03	2.90E-06	1.23E-06	7.96E-04	2.51E-07	1.44E-08	8.24E-04	2.60E-07	1.97E-08	2.39E-06	1.24E-06
1581	494661.06, 3858701.99	1.78E-02	5.60E-06	2.38E-06	9.15E-03	2.89E-06	1.23E-06	7.93E-04	2.50E-07	1.44E-08	8.21E-04	2.59E-07	1.97E-08	2.38E-06	1.23E-06
1582	494711.06, 3858701.99	1.72E-02	5.43E-06	2.31E-06	8.88E-03	2.80E-06	1.19E-06	7.74E-04	2.44E-07	1.40E-08	8.01E-04	2.53E-07	1.92E-08	2.31E-06	1.19E-06
1583	494761.06, 3858701.99	1.72E-02	5.44E-06	2.31E-06	8.90E-03	2.81E-06	1.19E-06	7.75E-04	2.45E-07	1.41E-08	8.03E-04	2.53E-07	1.92E-08	2.32E-06	1.20E-06
1584	494811.06, 3858701.99	1.70E-02	5.36E-06	2.27E-06	8.76E-03	2.76E-06	1.17E-06	7.66E-04	2.42E-07	1.39E-08	7.92E-04	2.50E-07	1.90E-08	2.28E-06	1.18E-06
1585	494861.06, 3858701.99	1.67E-02	5.28E-06	2.24E-06	8.63E-03	2.72E-06	1.16E-06	7.58E-04	2.39E-07	1.38E-08	7.85E-04	2.48E-07	1.88E-08	2.25E-06	1.16E-06
1586	494911.06, 3858701.99	1.65E-02	5.21E-06	2.21E-06	8.52E-03	2.69E-06	1.14E-06	7.52E-04	2.37E-07	1.36E-08	7.77E-04	2.45E-07	1.86E-08	2.22E-06	1.15E-06
1587	494961.06, 3858701.99	1.61E-02	5.09E-06	2.16E-06	8.33E-03	2.63E-06	1.12E-06	7.39E-04	2.33E-07	1.34E-08	7.66E-04	2.42E-07	1.83E-08	2.17E-06	1.12E-06
1588	495011.06, 3858701.99	1.59E-02	5.02E-06	2.13E-06	8.21E-03	2.59E-06	1.10E-06	7.32E-04	2.31E-07	1.33E-08	7.56E-04	2.39E-07	1.81E-08	2.13E-06	1.10E-06
1589	495061.06, 3858701.99	1.58E-02	4.97E-06	2.11E-06	8.14E-03	2.57E-06	1.09E-06	7.27E-04	2.29E-07	1.32E-08	7.52E-04	2.37E-07	1.80E-08	2.11E-06	1.09E-06
1590	495111.06, 3858701.99	1.55E-02	4.88E-06	2.07E-06	7.98E-03	2.52E-06	1.07E-06	7.17E-04	2.26E-07	1.30E-08	7.43E-04	2.34E-07	1.78E-08	2.07E-06	1.07E-06
1591	495161.06, 3858701.99	1.53E-02	4.83E-06	2.05E-06	7.90E-03	2.49E-06	1.06E-06	7.13E-04	2.25E-07	1.29E-08	7.36E-04	2.32E-07	1.76E-08	2.05E-06	1.06E-06
1592	495211.06, 3858701.99	1.51E-02	4.76E-06	2.02E-06	7.80E-03	2.46E-06	1.04E-06	7.06E-04	2.23E-07	1.28E-08	7.30E-04	2.30E-07	1.75E-08	2.02E-06	1.05E-06
1593	495261.06, 3858701.99	1.50E-02	4.73E-06	2.01E-06	7.75E-03	2.45E-06	1.04E-06	7.03E-04	2.22E-07	1.28E-08	7.28E-04	2.30E-07	1.74E-08	2.01E-06	1.04E-06
1594	495311.06, 3858701.99	1.49E-02	4.71E-06	2.00E-06	7.71E-03	2.43E-06	1.03E-06	7.00E-04	2.21E-07	1.27E-08	7.25E-04	2.29E-07	1.74E-08	2.00E-06	1.04E-06
1595	495361.06, 3858701.99	1.48E-02	4.67E-06	1.98E-06	7.66E-03	2.42E-06	1.03E-06	6.97E-04	2.20E-07	1.27E-08	7.21E-04	2.28E-07	1.73E-08	1.99E-06	1.03E-06
1596	495411.06, 3858701.99	1.48E-02	4.66E-06	1.98E-06	7.63E-03	2.41E-06	1.02E-06	6.96E-04	2.20E-07	1.26E-08	7.20E-04	2.27E-07	1.72E-08	1.98E-06	1.03E-06
1597	495461.06, 3858701.99	1.47E-02	4.63E-06	1.96E-06	7.59E-03	2.40E-06	1.02E-06	6.92E-04	2.19E-07	1.26E-08	7.17E-04	2.26E-07	1.72E-08	1.97E-06	1.02E-06
1598	495511.06, 3858701.99	1.46E-02	4.60E-06	1.95E-06	7.53E-03	2.38E-06	1.01E-06	6.88E-04	2.17E-07	1.25E-08	7.13E-04	2.25E-07	1.71E-08	1.95E-06	1.01E-06
1599	495561.06, 3858701.99	1.44E-02	4.55E-06	1.93E-06	7.46E-03	2.36E-06	9.99E-07	6.85E-04	2.16E-07	1.24E-08	7.08E-04	2.24E-07	1.70E-08	1.94E-06	1.00E-06
1600	495611.06, 3858701.99	1.43E-02	4.51E-06	1.92E-06	7.40E-03	2.34E-06	9.91E-07	6.80E-04	2.15E-07	1.23E-08	7.05E-04	2.23E-07	1.69E-08	1.92E-06	9.96E-07
1601	495661.06, 3858701.99	1.42E-02	4.49E-06	1.90E-06	7.36E-03	2.32E-06	9.85E-07	6.77E-04	2.14E-07	1.23E-08	7.02E-04	2.22E-07	1.68E-08	1.91E-06	9.90E-07
1602	494311.06, 3858751.99	1.78E-02	5.62E-06	2.38E-06	9.19E-03	2.90E-06	1.23E-06	8.07E-04	2.55E-07	1.46E-08	8.32E-04	2.63E-07	1.99E-08	2.39E-06	1.24E-06
1603	494361.06, 3858751.99	1.86E-02	5.86E-06	2.49E-06	9.57E-03	3.02E-06	1.28E-06	8.29E-04	2.62E-07	1.50E-08	8.57E-04	2.70E-07	2.05E-08	2.49E-06	1.29E-06
1604	494411.06, 3858751.99	1.87E-02	5.91E-06	2.51E-06	9.66E-03	3.05E-06	1.29E-06	8.37E-04	2.64E-07	1.52E-08	8.65E-04	2.73E-07	2.07E-08	2.52E-06	1.30E-06
1605	494461.06, 3858751.99	1.86E-02	5.88E-06	2.50E-06	9.61E-03	3.03E-06	1.29E-06	8.32E-04	2.63E-07	1.51E-08	8.62E-04	2.72E-07	2.06E-08	2.50E-06	1.29E-06
1606	494511.06, 3858751.99	1.85E-02	5.85E-06	2.48E-06	9.56E-03	3.02E-06	1.28E-06	8.33E-04	2.63E-07	1.51E-08	8.62E-04	2.72E-07	2.06E-08	2.49E-06	1.29E-06
1607	494561.06, 3858751.99	1.84E-02	5.79E-06	2.46E-06	9.47E-03	2.99E-06	1.27E-06	8.22E-04	2.60E-07	1.49E-08	8.52E-04	2.69E-07	2.04E-08	2.46E-06	1.27E-06
1608	494611.06, 3858751.99	1.81E-02	5.72E-06	2.43E-06	9.34E-03	2.95E-06	1.25E-06	8.15E-04	2.57E-07	1.48E-08	8.44E-04	2.66E-07	2.02E-08	2.43E-06	1.26E-06
1609	494661.06, 3858751.99	1.80E-02	5.67E-06	2.40E-06	9.26E-03	2.92E-06	1.24E-06	8.07E-04	2.55E-07	1.46E-08	8.36E-04	2.64E-07	2.00E-08	2.41E-06	1.25E-06
1610	494711.06, 3858751.99	1.76E-02	5.57E-06	2.36E-06	9.10E-03	2.87E-06	1.22E-06	7.96E-04	2.51E-07	1.44E-08	8.24E-04	2.60E-07	1.97E-08	2.37E-06	1.22E-06
1611	494761.06, 3858751.99	1.75E-02	5.51E-06	2.34E-06	9.01E-03	2.84E-06	1.21E-06	7.93E-04	2.50E-07	1.44E-08	8.19E-04	2.59E-07	1.96E-08	2.34E-06	1.21E-06
1612	494811.06, 3858751.99	1.72E-02	5.42E-06	2.30E-06	8.86E-03	2.80E-06	1.19E-06	7.82E-04	2.47E-07	1.42E-08	8.10E-04	2.56E-07	1.94E-08	2.30E-06	1.19E-06
1613	494861.06, 3858751.99	1.69E-02	5.34E-06	2.26E-06	8.73E-03	2.75E-06	1.17E-06	7.72E-04	2.44E-07	1.40E-08	8.00E-04	2.52E-07	1.92E-08	2.27E-06	1.17E-06
1614	494911.06, 3858751.99	1.66E-02	5.24E-06	2.22E-06	8.57E-03	2.71E-06	1.15E-06	7.63E-04	2.41E-07	1.38E-08	7.88E-04	2.49E-07	1.89E-08	2.23E-06	1.15E-06
1615	494961.06, 3858751.99	1.64E-02	5.17E-06	2.19E-06	8.46E-03	2.67E-06	1.13E-06	7.55E-04	2.38E-07	1.37E-08	7.82E-04	2.47E-07	1.87E-08	2.20E-06	1.14E-06
1616	495011.06, 3858751.99	1.62E-02	5.11E-06	2.17E-06	8.37E-03	2.64E-06	1.12E-06	7.49E-04	2.36E-07	1.36E-08	7.75E-04	2.45E-07	1.86E-08	2.17E-06	1.13E-06

1617	495061.06, 3858751.99	1.60E-02	5.04E-06	2.14E-06	8.25E-03	2.60E-06	1.10E-06	7.41E-04	2.34E-07	1.35E-08	7.67E-04	2.42E-07	1.84E-08	2.14E-06	1.11E-06
1618	495111.06, 3858751.99	1.57E-02	4.95E-06	2.10E-06	8.11E-03	2.56E-06	1.09E-06	7.33E-04	2.31E-07	1.33E-08	7.59E-04	2.40E-07	1.82E-08	2.11E-06	1.09E-06
1619	495161.06, 3858751.99	1.55E-02	4.90E-06	2.08E-06	8.03E-03	2.53E-06	1.07E-06	7.27E-04	2.29E-07	1.32E-08	7.52E-04	2.37E-07	1.80E-08	2.08E-06	1.08E-06
1620	495211.06, 3858751.99	1.53E-02	4.83E-06	2.05E-06	7.92E-03	2.50E-06	1.06E-06	7.21E-04	2.27E-07	1.31E-08	7.46E-04	2.35E-07	1.79E-08	2.06E-06	1.07E-06
1621	495261.06, 3858751.99	1.52E-02	4.80E-06	2.04E-06	7.87E-03	2.48E-06	1.05E-06	7.17E-04	2.26E-07	1.30E-08	7.43E-04	2.34E-07	1.78E-08	2.04E-06	1.06E-06
1622	495311.06, 3858751.99	1.51E-02	4.78E-06	2.03E-06	7.83E-03	2.47E-06	1.05E-06	7.14E-04	2.25E-07	1.30E-08	7.39E-04	2.33E-07	1.77E-08	2.03E-06	1.05E-06
1623	495361.06, 3858751.99	1.50E-02	4.75E-06	2.01E-06	7.78E-03	2.46E-06	1.04E-06	7.11E-04	2.24E-07	1.29E-08	7.36E-04	2.32E-07	1.76E-08	2.02E-06	1.05E-06
1624	495411.06, 3858751.99	1.50E-02	4.73E-06	2.01E-06	7.75E-03	2.45E-06	1.04E-06	7.10E-04	2.24E-07	1.29E-08	7.35E-04	2.32E-07	1.76E-08	2.01E-06	1.04E-06
1625	495461.06, 3858751.99	1.49E-02	4.71E-06	2.00E-06	7.71E-03	2.43E-06	1.03E-06	7.06E-04	2.23E-07	1.28E-08	7.31E-04	2.31E-07	1.75E-08	2.00E-06	1.04E-06
1626	495511.06, 3858751.99	1.48E-02	4.67E-06	1.98E-06	7.65E-03	2.41E-06	1.02E-06	7.02E-04	2.21E-07	1.27E-08	7.28E-04	2.30E-07	1.74E-08	1.98E-06	1.03E-06
1627	495561.06, 3858751.99	1.47E-02	4.63E-06	1.96E-06	7.59E-03	2.39E-06	1.02E-06	6.97E-04	2.20E-07	1.27E-08	7.23E-04	2.28E-07	1.73E-08	1.97E-06	1.02E-06
1628	495611.06, 3858751.99	1.45E-02	4.59E-06	1.95E-06	7.52E-03	2.37E-06	1.01E-06	6.92E-04	2.19E-07	1.26E-08	7.18E-04	2.27E-07	1.72E-08	1.95E-06	1.01E-06
1629	495661.06, 3858751.99	1.44E-02	4.55E-06	1.93E-06	7.47E-03	2.36E-06	1.00E-06	6.89E-04	2.18E-07	1.25E-08	7.15E-04	2.26E-07	1.71E-08	1.94E-06	1.00E-06
1630	494311.06, 3858801.99	1.83E-02	5.77E-06	2.45E-06	9.43E-03	2.98E-06	1.26E-06	8.32E-04	2.63E-07	1.51E-08	8.59E-04	2.71E-07	2.06E-08	2.45E-06	1.27E-06
1631	494361.06, 3858801.99	1.88E-02	5.95E-06	2.52E-06	9.72E-03	3.07E-06	1.30E-06	8.52E-04	2.69E-07	1.55E-08	8.81E-04	2.78E-07	2.11E-08	2.53E-06	1.31E-06
1632	494411.06, 3858801.99	1.89E-02	5.96E-06	2.53E-06	9.74E-03	3.07E-06	1.30E-06	8.54E-04	2.69E-07	1.55E-08	8.83E-04	2.79E-07	2.12E-08	2.53E-06	1.31E-06
1633	494461.06, 3858801.99	1.88E-02	5.94E-06	2.52E-06	9.71E-03	3.07E-06	1.30E-06	8.54E-04	2.69E-07	1.55E-08	8.83E-04	2.79E-07	2.12E-08	2.53E-06	1.31E-06
1634	494511.06, 3858801.99	1.87E-02	5.91E-06	2.51E-06	9.67E-03	3.05E-06	1.29E-06	8.54E-04	2.69E-07	1.55E-08	8.85E-04	2.79E-07	2.12E-08	2.51E-06	1.30E-06
1635	494561.06, 3858801.99	1.86E-02	5.87E-06	2.49E-06	9.60E-03	3.03E-06	1.29E-06	8.49E-04	2.68E-07	1.54E-08	8.78E-04	2.77E-07	2.10E-08	2.50E-06	1.29E-06
1636	494611.06, 3858801.99	1.84E-02	5.81E-06	2.47E-06	9.51E-03	3.00E-06	1.27E-06	8.41E-04	2.66E-07	1.53E-08	8.72E-04	2.75E-07	2.09E-08	2.47E-06	1.28E-06
1637	494661.06, 3858801.99	1.82E-02	5.74E-06	2.43E-06	9.38E-03	2.96E-06	1.26E-06	8.32E-04	2.63E-07	1.51E-08	8.60E-04	2.71E-07	2.06E-08	2.44E-06	1.26E-06
1638	494711.06, 3858801.99	1.79E-02	5.65E-06	2.40E-06	9.25E-03	2.92E-06	1.24E-06	8.21E-04	2.59E-07	1.49E-08	8.50E-04	2.68E-07	2.04E-08	2.40E-06	1.24E-06
1639	494761.06, 3858801.99	1.76E-02	5.56E-06	2.36E-06	9.09E-03	2.87E-06	1.22E-06	8.08E-04	2.55E-07	1.47E-08	8.37E-04	2.64E-07	2.01E-08	2.36E-06	1.22E-06
1640	494811.06, 3858801.99	1.73E-02	5.46E-06	2.31E-06	8.93E-03	2.82E-06	1.20E-06	7.96E-04	2.51E-07	1.44E-08	8.24E-04	2.60E-07	1.97E-08	2.32E-06	1.20E-06
1641	494861.06, 3858801.99	1.71E-02	5.39E-06	2.29E-06	8.82E-03	2.78E-06	1.18E-06	7.88E-04	2.49E-07	1.43E-08	8.16E-04	2.58E-07	1.96E-08	2.29E-06	1.19E-06
1642	494911.06, 3858801.99	1.68E-02	5.30E-06	2.25E-06	8.68E-03	2.74E-06	1.16E-06	7.79E-04	2.46E-07	1.41E-08	8.06E-04	2.54E-07	1.93E-08	2.26E-06	1.17E-06
1643	494961.06, 3858801.99	1.66E-02	5.24E-06	2.22E-06	8.57E-03	2.71E-06	1.15E-06	7.71E-04	2.43E-07	1.40E-08	7.98E-04	2.52E-07	1.91E-08	2.23E-06	1.15E-06
1644	495011.06, 3858801.99	1.63E-02	5.16E-06	2.19E-06	8.45E-03	2.67E-06	1.13E-06	7.63E-04	2.41E-07	1.38E-08	7.90E-04	2.49E-07	1.89E-08	2.19E-06	1.14E-06
1645	495061.06, 3858801.99	1.62E-02	5.11E-06	2.17E-06	8.36E-03	2.64E-06	1.12E-06	7.57E-04	2.39E-07	1.37E-08	7.83E-04	2.47E-07	1.88E-08	2.17E-06	1.12E-06
1646	495111.06, 3858801.99	1.59E-02	5.02E-06	2.13E-06	8.22E-03	2.59E-06	1.10E-06	7.47E-04	2.36E-07	1.36E-08	7.74E-04	2.44E-07	1.85E-08	2.13E-06	1.11E-06
1647	495161.06, 3858801.99	1.57E-02	4.95E-06	2.10E-06	8.11E-03	2.56E-06	1.09E-06	7.39E-04	2.33E-07	1.34E-08	7.66E-04	2.42E-07	1.83E-08	2.10E-06	1.09E-06
1648	495211.06, 3858801.99	1.55E-02	4.90E-06	2.08E-06	8.03E-03	2.53E-06	1.08E-06	7.35E-04	2.32E-07	1.33E-08	7.61E-04	2.40E-07	1.82E-08	2.08E-06	1.08E-06
1649	495261.06, 3858801.99	1.54E-02	4.87E-06	2.07E-06	7.99E-03	2.52E-06	1.07E-06	7.32E-04	2.31E-07	1.33E-08	7.57E-04	2.39E-07	1.81E-08	2.07E-06	1.07E-06
1650	495311.06, 3858801.99	1.54E-02	4.85E-06	2.06E-06	7.95E-03	2.51E-06	1.06E-06	7.28E-04	2.30E-07	1.32E-08	7.54E-04	2.38E-07	1.81E-08	2.06E-06	1.07E-06
1651	495361.06, 3858801.99	1.53E-02	4.82E-06	2.04E-06	7.90E-03	2.49E-06	1.06E-06	7.25E-04	2.29E-07	1.32E-08	7.51E-04	2.37E-07	1.80E-08	2.05E-06	1.06E-06
1652	495411.06, 3858801.99	1.52E-02	4.81E-06	2.04E-06	7.89E-03	2.49E-06	1.06E-06	7.24E-04	2.28E-07	1.31E-08	7.51E-04	2.37E-07	1.80E-08	2.05E-06	1.06E-06
1653	495461.06, 3858801.99	1.51E-02	4.78E-06	2.03E-06	7.83E-03	2.47E-06	1.05E-06	7.21E-04	2.27E-07	1.31E-08	7.46E-04	2.35E-07	1.79E-08	2.03E-06	1.05E-06
1654	495511.06, 3858801.99	1.50E-02	4.74E-06	2.01E-06	7.76E-03	2.45E-06	1.04E-06	7.16E-04	2.26E-07	1.30E-08	7.43E-04	2.34E-07	1.78E-08	2.01E-06	1.04E-06
1655	495561.06, 3858801.99	1.49E-02	4.70E-06	2.00E-06	7.71E-03	2.43E-06	1.03E-06	7.13E-04	2.25E-07	1.29E-08	7.38E-04	2.33E-07	1.77E-08	2.00E-06	1.04E-06
1656	495611.06, 3858801.99	1.48E-02	4.66E-06	1.98E-06	7.64E-03	2.41E-06	1.02E-06	7.06E-04	2.23E-07	1.28E-08	7.33E-04	2.31E-07	1.76E-08	1.98E-06	1.03E-06
1657	495661.06, 3858801.99	1.47E-02	4.63E-06	1.96E-06	7.59E-03	2.40E-06	1.02E-06	7.03E-04	2.22E-07	1.28E-08	7.30E-04	2.30E-07	1.75E-08	1.97E-06	1.02E-06
1658	494311.06, 3858851.99	1.91E-02	6.01E-06	2.55E-06	9.84E-03	3.11E-06	1.32E-06	8.73E-04	2.75E-07	1.58E-08	9.03E-04	2.85E-07	2.16E-08	2.56E-06	1.32E-06
1659	494361.06, 3858851.99	1.92E-02	6.07E-06	2.58E-06	9.94E-03	3.14E-06	1.33E-06	8.84E-04	2.79E-07	1.60E-08	9.14E-04	2.88E-07	2.19E-08	2.58E-06	1.34E-06
1660	494411.06, 3858851.99	1.91E-02	6.03E-06	2.56E-06	9.87E-03	3.11E-06	1.32E-06	8.79E-04	2.77E-07	1.60E-08	9.09E-04	2.87E-07	2.18E-08	2.56E-06	1.33E-06
1661	494461.06, 3858851.99	1.90E-02	6.00E-06	2.55E-06	9.82E-03	3.10E-06	1.31E-06	8.76E-04	2.76E-07	1.59E-08	9.06E-04	2.86E-07	2.17E-08	2.55E-06	1.32E-06
1662	494511.06, 3858851.99	1.89E-02	5.96E-06	2.53E-06	9.75E-03	3.08E-06	1.31E-06	8.76E-04	2.76E-07	1.59E-08	9.06E-04	2.86E-07	2.17E-08	2.53E-06	1.31E-06
1663	494561.06, 3858851.99	1.87E-02	5.91E-06	2.51E-06	9.67E-03	3.05E-06	1.30E-06	8.69E-04	2.74E-07	1.58E-08	8.99E-04	2.84E-07	2.15E-08	2.51E-06	1.30E-06
1664	494611.06, 3858851.99	1.85E-02	5.85E-06	2.48E-06	9.58E-03	3.02E-06	1.28E-06	8.60E-04	2.71E-07	1.56E-08	8.91E-04	2.81E-07	2.13E-08	2.49E-06	1.29E-06
1665	494661.06, 3858851.99	1.83E-02	5.78E-06	2.45E-06	9.46E-03	2.99E-06	1.27E-06	8.51E-04	2.68E-07	1.54E-08	8.80E-04	2.78E-07	2.11E-08	2.46E-06	1.27E-06
1666	494711.06, 3858851.99	1.80E-02	5.69E-06	2.41E-06	9.31E-03	2.94E-06	1.25E-06	8.37E-04	2.64E-07	1.52E-08	8.67E-04	2.74E-07	2.08E-08	2.42E-06	1.25E-06
1667	494761.06, 3858851.99	1.77E-02	5.60E-06	2.37E-06	9.16E-03	2.89E-06	1.23E-06	8.24E-04	2.60E-07	1.50E-08	8.54E-04	2.69E-07	2.05E-08	2.38E-06	1.23E-06
1668	494811.06, 3858851.99	1.75E-02	5.51E-06	2.34E-06	9.03E-03	2.85E-06	1.21E-06	8.15E-04	2.57E-07	1.48E-08	8.44E-04	2.66E-07	2.02E-08	2.35E-06	1.21E-06
1669	494861.06, 3858851.99	1.73E-02	5.46E-06	2.31E-06	8.93E-03	2.82E-06	1.20E-06	8.07E-04	2.55E-07	1.46E-08	8.36E-04	2.64E-07	2.00E-08	2.32E-06	1.20E-06
1670	494911.06, 3858851.99	1.70E-02	5.38E-06	2.28E-06	8.81E-03	2.78E-06	1.18E-06	7.96E-04	2.51E-07	1.44E-08	8.24E-04	2.60E-07	1.97E-08	2.29E-06	1.18E-06
1671	494961.06, 3858851.99	1.68E-02	5.30E-06	2.25E-06	8.69E-03	2.74E-06	1.16E-06	7.88E-04	2.49E-07	1.43E-08	8.16E-04	2.58E-07	1.96E-08	2.26E-06	1.17E-06
1672	495011.06, 3858851.99	1.66E-02	5.24E-06	2.22E-06	8.59E-03	2.71E-06	1.15E-06	7.80E-04	2.46E-07	1.42E-08	8.08E-04	2.55E-07	1.94E-08	2.23E-06	1.16E-06
1673	495061.06, 3858851.99	1.64E-02	5.17E-06	2.19E-06	8.47E-03	2.67E-06	1.13E-06	7.72E-04	2.44E-07	1.40E-08	8.00E-04	2.52E-07	1.92E-08	2.20E-06	1.14E-06
1674	495111.06, 3858851.99	1.60E-02	5.06E-06	2.14E-06	8.29E-03	2.62E-06	1.11E-06	7.60E-04	2.40E-07	1.38E-08	7.87E-04	2.48E-07	1.88E-08	2.15E-06	1.11E-06
1675	495161.06, 3858851.99	1.58E-02	4.99E-06	2.12E-06	8.18E-03	2.58E-06	1.10E-06	7.52E-04	2.37E-07	1.36E-08	7.79E-04	2.46E-07	1.87E-08	2.12E-06	1.10E-06
1676	495211.06, 3858851.99	1.58E-02	4.97E-06	2.11E-06	8.15E-03	2.57E-06	1.09E-06	7.50E-04	2.37E-07	1.36E-08	7.77E-04	2.45E-07	1.86E-08	2.11E-06	1.10E-06
1677	495261.06, 3858851.99	1.57E-02	4.94E-06	2.10E-06	8.11E-03	2.56E-06	1.09E-06	7.47E-04	2.36E-07	1.36E-08	7.74E-04	2.44E-07	1.85E-08	2.10E-06	1.09E-06
1678	495311.06, 3858851.99	1.56E-02	4.92E-06	2.09E-06	8.07E-03	2.55E-06	1.08E-06	7.44E-04	2.35E-07	1.35E-08	7.70E-04	2.43E-07	1.85E-08	2.09E-06	1.09E-06
1679	495361.06, 3858851.99	1.55E-02	4.90E-06	2.08E-06	8.03E-03	2.53E-06	1.08E-06	7.41E-04	2.34E-07	1.35E-08	7.67E-04	2.42E-07	1.84E-08	2.08E-06	1.08E-06
1680	495411.06, 3858851.99	1.54E-02	4.87E-06	2.07E-06	7.98E-03	2.52E-06	1.07E-06	7.38E-04	2.33E-07	1.34E-08	7.64E-04	2.41E-07	1.83E-08	2.07E-06	1.07E-06
1681	495461.06, 3858851.99	1.53E-02	4.84E-06	2.06E-06	7.95E-03	2.51E-06	1.06E-06	7.35E-04	2.32E-07	1.33E-08	7.62E-04	2.41E-07	1.83E-08	2.06E-06	1.07E-06
1682	495511.06, 3858851.99	1.53E-02	4.82E-06	2.05E-06	7.91E-03	2.50E-06	1.06E-06	7.30E-04	2.30E-07	1.33E-08	7.57E-04	2.39E-07	1.81E-08	2.05E-06	1.06E-06
1683	495561.06, 3858851.99	1.51E-02	4.76E-06	2.02E-06	7.80E-03	2.46E-06	1.04E-06	7.25E-04	2.29E-07	1.32E-08	7.51E-04	2.37E-07	1.80E-08	2.02E-06	1.05E-06
1684	495611.06, 3858851.99	1.49E-02	4.71E-06	2.00E-06	7.73E-03	2.44E-06	1.04E-06	7.19E-04	2.27E-07	1.31E-08	7.46E-04	2.35E-07	1.79E-08	2.00E-06	1.04E-06
1685	495661.06, 3858851.99	1.49E-02	4.69E-06	1.99E-06	7.70E-03	2.43E-06	1.03E-06	7.16E-04	2.26E-07	1.30E-08	7.43E-04	2.34E-07	1.78E-08	2.00E-06	1.04E-06
1686	494311.06, 3858901.99	1.93E-02	6.10E-06	2.59E-06	9.99E-03	3.15E-06	1.34E-06	9.01E-04	2.84E-07	1.64E-08	9.30E-04	2.94E-07	2.23E-08	2.59E-06	1.34E-06
1687	494361.06, 3858901.99	1.94E-02	6.12E-06	2.60E-06	1.00E-02	3.17E-06	1.34E-06	9.07E-04	2.86E-07	1.65E-08	9.39E-04	2.96E-07	2.25E-08	2.60E-06	1.35E-06
1688	494411.06, 3858901.99	1.93E-02	6.09E-06	2.58E-06	9.98E-03	3.15E-06	1.34E-06	9.04E-04	2.85E-07	1.64E-08	9.35E-04	2.95E-07	2.24E-08	2.59E-06	1.34E-06
1689	494461.06, 3858901.99	1.92E-02	6.05E-06	2.57E-06	9.92E-03	3.13E-06	1.33E-06	9.05E-04	2.86E-07	1.64E-08	9.35E-04	2.95E-07	2.24E-08	2.57E-06	1.33E-06
1690	494511.06, 3858901.99	1.91E-02	6.01E-06	2.55E-06	9.86E-03	3.11E-06	1.32E-06	9.01E-04	2.84E-07	1.64E-08	9.32E-04	2.94E-07	2.23E-08	2.56E-06	1.33E-06
1691	494561.06, 3858901.99	1.89E-02	5.95E-06	2.53E-06	9.76E-03	3.08E-06	1.31E-06	8.91E-04	2.81E-07	1.62E-08	9.22E-04	2.91E-07	2.21E-08	2.53E-06	1.31E-06
1692	494611.06, 3858901.99	1.86E-02	5.87E-06	2.49E-06	9.62E-03	3.04E-06	1.29E-06	8.77E-04	2.77E-07	1.59E-08	9.09E-04	2.87E-07	2.18E-08	2.50E-06	1.29E-06
1693	494661.06, 3858901.99	1.84E-02	5.81E-06	2.47E-06	9.53E-03	3.01E-06	1.28E-06	8.69E-04	2.74E-07	1.58E-08	8.99E-04	2.84E-07	2.15E-08	2.47E-06	1.28E-06
1694	494711.06, 3858901.99	1.82E-02	5.73E-06	2.43E-06	9.39E-03	2.96E-06	1.26E-06	8.57E-04	2.70E-07	1.56E-08	8.86E-04	2.80E-07	2.12E-08	2.44E-06	1.26E-06
1695	494761.06, 3858901.99	1.79E-02	5.64E-06	2.39E-06	9.24E-03	2.92E-06	1.24E-06	8.43E-04	2.66E-07	1.53E-08	8.72E-04	2.75E-07	2.09E-08	2.40E-06	1.24E-06
1696	494811.06, 3858901.99	1.77E-02	5.57E-06	2.36E-06	9.13E-03	2.88E-06	1.22E-06	8.33E-04	2.63E-07	1.51E-08	8.62E-04	2.72E-07	2.06E-08	2.37E-06	1.23E-06
1697	494861.06, 3858901.99	1.75E-02	5.51E-06	2.34E-06	9.03E-03	2.85E-06	1.21E-06	8.26E-04	2.61E-07	1.50E-08	8.55E-04	2.70E-07	2.05E-08	2.34E-06	1.22E-06
1698	494911.06, 3858901.99	1.72E-02	5.41E-06	2.30E-06	8.87E-03	2.80E-06	1.19E-06	8.11E-04	2.56E-07	1.47E-08	8.41E-04	2.65E-07	2.01E-08	2.30E-06	1.19E-06
1699	494961.06, 3858901.99	1.70E-02	5.35E-06	2.27E-06	8.77E-03	2.77E-06	1.17E-06	8.04E-04	2.54E-07	1.46E-08	8.32E-04	2.63E-07	1.99E-08	2.28E-06	1.18E-06
1700	495011.06, 3858901.99	1.67E-02	5.28E-06	2.24E-06	8.66E-03	2.73E-06	1.16E-06	7.96E-04	2.51E-07	1.44E-08	8.24E-04	2.60E-07	1.97E-08	2.25E-06	1.17E-06
1701	495061.06, 3858901.99	1.65E-02	5.20E-06	2.21E-06	8.53E-03	2.69E-06	1.14E-06	7.85E-04	2.48E-07	1.42E-08	8.13E-04	2.57E-07	1.95E-08	2.21E-06	1.15E-06
1702	495111.06, 3858901.99	1.61E-02	5.09E-06	2.16E-06	8.35E-03	2.63E-06	1.12E-06	7.72E-04	2.44E-07	1.40E-08	8.00E-04	2.52E-07	1.92E-08	2.16E-06	1.12E-06
1703	495161.06, 3858901.99	1.60E-02	5.04E-06	2.14E-06	8.27E-03	2.61E-06	1.11E-06	7.66E-04	2.42E-07	1.39E-08	7.93E-04	2.50E-07	1.90E-08	2.14E-06	1.11E-06
1704	495211.06, 3858901.99	1.60E-02	5.04E-06	2.14E-06	8.27E-03	2.61E-06	1.11E-06	7.66E-04	2.42E-07	1.39E-08	7.93E-04	2.50E-07	1.90E-08	2.14E-06	1.11E-06
1705	495261.06, 3858901.99	1.59E-02	5.02E-06	2.13E-06	8.23E-03	2.60E-06	1.10E-06	7.63E-04	2.41E-07	1.38E-08	7.90E-04	2.49E-07	1.89E-08	2.13E-06	1.11E-06
1706	495311.06, 3858901.99	1.58E-02	4.99E-06	2.12E-06	8.18E-03	2.58E-06	1.10E-06	7.58E-04	2.39E-07	1.38E-08	7.87E-04	2.48E-07	1.88E-08	2.12E-06	1.10E-06

1707	495361.06, 3858901.99	1.57E-02	4.96E-06	2.10E-06	8.13E-03	2.57E-06	1.09E-06	7.55E-04	2.38E-07	1.37E-08	7.82E-04	2.47E-07	1.87E-08	2.11E-06	1.09E-06
1708	495411.06, 3858901.99	1.57E-02	4.94E-06	2.10E-06	8.10E-03	2.56E-06	1.09E-06	7.53E-04	2.38E-07	1.37E-08	7.80E-04	2.46E-07	1.87E-08	2.10E-06	1.09E-06
1709	495461.06, 3858901.99	1.55E-02	4.91E-06	2.08E-06	8.05E-03	2.54E-06	1.08E-06	7.49E-04	2.36E-07	1.36E-08	7.77E-04	2.45E-07	1.86E-08	2.09E-06	1.08E-06
1710	495511.06, 3858901.99	1.54E-02	4.86E-06	2.06E-06	7.98E-03	2.52E-06	1.07E-06	7.44E-04	2.35E-07	1.35E-08	7.70E-04	2.43E-07	1.85E-08	2.07E-06	1.07E-06
1711	495561.06, 3858901.99	1.53E-02	4.82E-06	2.05E-06	7.92E-03	2.50E-06	1.06E-06	7.39E-04	2.33E-07	1.34E-08	7.66E-04	2.42E-07	1.83E-08	2.05E-06	1.07E-06
1712	495611.06, 3858901.99	1.51E-02	4.78E-06	2.03E-06	7.84E-03	2.47E-06	1.05E-06	7.33E-04	2.31E-07	1.33E-08	7.61E-04	2.40E-07	1.82E-08	2.03E-06	1.05E-06
1713	495661.06, 3858901.99	1.51E-02	4.77E-06	2.02E-06	7.82E-03	2.47E-06	1.05E-06	7.32E-04	2.31E-07	1.33E-08	7.57E-04	2.39E-07	1.81E-08	2.03E-06	1.05E-06
1714	494311.06, 3858951.99	1.96E-02	6.20E-06	2.63E-06	1.02E-02	3.21E-06	1.36E-06	9.35E-04	2.95E-07	1.70E-08	9.66E-04	3.05E-07	2.31E-08	2.64E-06	1.37E-06
1715	494361.06, 3858951.99	1.96E-02	6.18E-06	2.62E-06	1.01E-02	3.20E-06	1.36E-06	9.35E-04	2.95E-07	1.70E-08	9.66E-04	3.05E-07	2.31E-08	2.63E-06	1.36E-06
1716	494411.06, 3858951.99	1.94E-02	6.12E-06	2.60E-06	1.00E-02	3.17E-06	1.34E-06	9.27E-04	2.93E-07	1.68E-08	9.58E-04	3.02E-07	2.30E-08	2.60E-06	1.35E-06
1717	494461.06, 3858951.99	1.93E-02	6.09E-06	2.58E-06	9.99E-03	3.15E-06	1.34E-06	9.29E-04	2.93E-07	1.69E-08	9.60E-04	3.03E-07	2.30E-08	2.59E-06	1.34E-06
1718	494511.06, 3858951.99	1.91E-02	6.04E-06	2.56E-06	9.91E-03	3.13E-06	1.33E-06	9.23E-04	2.91E-07	1.67E-08	9.53E-04	3.01E-07	2.28E-08	2.57E-06	1.33E-06
1719	494561.06, 3858951.99	1.90E-02	5.98E-06	2.54E-06	9.82E-03	3.10E-06	1.31E-06	9.13E-04	2.88E-07	1.66E-08	9.43E-04	2.98E-07	2.26E-08	2.54E-06	1.32E-06
1720	494611.06, 3858951.99	1.87E-02	5.91E-06	2.51E-06	9.70E-03	3.06E-06	1.30E-06	9.01E-04	2.84E-07	1.64E-08	9.32E-04	2.94E-07	2.23E-08	2.51E-06	1.30E-06
1721	494661.06, 3858951.99	1.85E-02	5.84E-06	2.48E-06	9.58E-03	3.02E-06	1.28E-06	8.88E-04	2.80E-07	1.61E-08	9.19E-04	2.90E-07	2.20E-08	2.48E-06	1.29E-06
1722	494711.06, 3858951.99	1.82E-02	5.76E-06	2.44E-06	9.44E-03	2.98E-06	1.26E-06	8.74E-04	2.76E-07	1.59E-08	9.04E-04	2.85E-07	2.17E-08	2.45E-06	1.27E-06
1723	494761.06, 3858951.99	1.80E-02	5.68E-06	2.41E-06	9.32E-03	2.94E-06	1.25E-06	8.62E-04	2.72E-07	1.56E-08	8.93E-04	2.82E-07	2.14E-08	2.42E-06	1.25E-06
1724	494811.06, 3858951.99	1.78E-02	5.63E-06	2.39E-06	9.23E-03	2.91E-06	1.24E-06	8.54E-04	2.69E-07	1.55E-08	8.83E-04	2.79E-07	2.12E-08	2.39E-06	1.24E-06
1725	494861.06, 3858951.99	1.76E-02	5.56E-06	2.36E-06	9.13E-03	2.88E-06	1.22E-06	8.44E-04	2.66E-07	1.53E-08	8.75E-04	2.76E-07	2.10E-08	2.37E-06	1.23E-06
1726	494911.06, 3858951.99	1.74E-02	5.49E-06	2.33E-06	9.00E-03	2.84E-06	1.21E-06	8.33E-04	2.63E-07	1.51E-08	8.63E-04	2.73E-07	2.07E-08	2.33E-06	1.21E-06
1727	494961.06, 3858951.99	1.72E-02	5.44E-06	2.31E-06	8.92E-03	2.82E-06	1.19E-06	8.26E-04	2.61E-07	1.50E-08	8.55E-04	2.70E-07	2.05E-08	2.31E-06	1.20E-06
1728	495011.06, 3858951.99	1.69E-02	5.32E-06	2.26E-06	8.73E-03	2.76E-06	1.17E-06	8.10E-04	2.56E-07	1.47E-08	8.41E-04	2.65E-07	2.01E-08	2.26E-06	1.17E-06
1729	495061.06, 3858951.99	1.65E-02	5.21E-06	2.21E-06	8.56E-03	2.70E-06	1.15E-06	7.96E-04	2.51E-07	1.44E-08	8.24E-04	2.60E-07	1.97E-08	2.22E-06	1.15E-06
1730	495111.06, 3858951.99	1.62E-02	5.13E-06	2.17E-06	8.41E-03	2.65E-06	1.13E-06	7.85E-04	2.48E-07	1.42E-08	8.13E-04	2.57E-07	1.95E-08	2.18E-06	1.13E-06
1731	495161.06, 3858951.99	1.63E-02	5.14E-06	2.18E-06	8.43E-03	2.66E-06	1.13E-06	7.86E-04	2.48E-07	1.43E-08	8.15E-04	2.57E-07	1.95E-08	2.18E-06	1.13E-06
1732	495211.06, 3858951.99	1.62E-02	5.11E-06	2.17E-06	8.39E-03	2.65E-06	1.12E-06	7.83E-04	2.47E-07	1.42E-08	8.11E-04	2.56E-07	1.94E-08	2.17E-06	1.13E-06
1733	495261.06, 3858951.99	1.61E-02	5.09E-06	2.16E-06	8.35E-03	2.64E-06	1.12E-06	7.79E-04	2.46E-07	1.41E-08	8.08E-04	2.55E-07	1.94E-08	2.16E-06	1.12E-06
1734	495311.06, 3858951.99	1.60E-02	5.04E-06	2.14E-06	8.27E-03	2.61E-06	1.11E-06	7.72E-04	2.44E-07	1.40E-08	8.01E-04	2.53E-07	1.92E-08	2.14E-06	1.11E-06
1735	495361.06, 3858951.99	1.59E-02	5.02E-06	2.13E-06	8.24E-03	2.60E-06	1.10E-06	7.71E-04	2.43E-07	1.40E-08	7.98E-04	2.52E-07	1.91E-08	2.13E-06	1.11E-06
1736	495411.06, 3858951.99	1.59E-02	5.01E-06	2.12E-06	8.22E-03	2.59E-06	1.10E-06	7.68E-04	2.42E-07	1.39E-08	7.97E-04	2.51E-07	1.91E-08	2.13E-06	1.11E-06
1737	495461.06, 3858951.99	1.58E-02	4.97E-06	2.11E-06	8.17E-03	2.58E-06	1.09E-06	7.64E-04	2.41E-07	1.39E-08	7.93E-04	2.50E-07	1.90E-08	2.12E-06	1.10E-06
1738	495511.06, 3858951.99	1.57E-02	4.96E-06	2.10E-06	8.14E-03	2.57E-06	1.09E-06	7.61E-04	2.40E-07	1.38E-08	7.90E-04	2.49E-07	1.89E-08	2.11E-06	1.09E-06
1739	495561.06, 3858951.99	1.55E-02	4.89E-06	2.08E-06	8.03E-03	2.54E-06	1.08E-06	7.53E-04	2.38E-07	1.37E-08	7.82E-04	2.47E-07	1.87E-08	2.08E-06	1.08E-06
1740	495611.06, 3858951.99	1.54E-02	4.85E-06	2.06E-06	7.97E-03	2.51E-06	1.07E-06	7.47E-04	2.36E-07	1.36E-08	7.75E-04	2.45E-07	1.86E-08	2.06E-06	1.07E-06
1741	495661.06, 3858951.99	1.54E-02	4.85E-06	2.06E-06	7.96E-03	2.51E-06	1.07E-06	7.46E-04	2.35E-07	1.35E-08	7.74E-04	2.44E-07	1.85E-08	2.06E-06	1.07E-06
1742	494311.06, 3859001.99	1.98E-02	6.25E-06	2.65E-06	1.03E-02	3.24E-06	1.37E-06	9.67E-04	3.05E-07	1.75E-08	9.97E-04	3.15E-07	2.39E-08	2.66E-06	1.38E-06
1743	494361.06, 3859001.99	1.97E-02	6.21E-06	2.63E-06	1.02E-02	3.22E-06	1.36E-06	9.62E-04	3.04E-07	1.75E-08	9.92E-04	3.13E-07	2.38E-08	2.64E-06	1.37E-06
1744	494411.06, 3859001.99	1.95E-02	6.16E-06	2.61E-06	1.01E-02	3.19E-06	1.36E-06	9.60E-04	3.03E-07	1.74E-08	9.91E-04	3.13E-07	2.37E-08	2.62E-06	1.36E-06
1745	494461.06, 3859001.99	1.94E-02	6.11E-06	2.59E-06	1.00E-02	3.17E-06	1.34E-06	9.54E-04	3.01E-07	1.73E-08	9.84E-04	3.11E-07	2.36E-08	2.60E-06	1.35E-06
1746	494511.06, 3859001.99	1.92E-02	6.06E-06	2.57E-06	9.96E-03	3.14E-06	1.33E-06	9.46E-04	2.99E-07	1.72E-08	9.78E-04	3.09E-07	2.34E-08	2.58E-06	1.34E-06
1747	494561.06, 3859001.99	1.90E-02	6.00E-06	2.55E-06	9.86E-03	3.11E-06	1.32E-06	9.34E-04	2.95E-07	1.69E-08	9.65E-04	3.04E-07	2.31E-08	2.55E-06	1.33E-06
1748	494611.06, 3859001.99	1.88E-02	5.94E-06	2.52E-06	9.75E-03	3.08E-06	1.31E-06	9.23E-04	2.91E-07	1.67E-08	9.53E-04	3.01E-07	2.28E-08	2.53E-06	1.31E-06
1749	494661.06, 3859001.99	1.86E-02	5.87E-06	2.49E-06	9.63E-03	3.04E-06	1.29E-06	9.09E-04	2.87E-07	1.65E-08	9.39E-04	2.96E-07	2.25E-08	2.49E-06	1.30E-06
1750	494711.06, 3859001.99	1.83E-02	5.79E-06	2.45E-06	9.50E-03	3.00E-06	1.27E-06	8.93E-04	2.82E-07	1.62E-08	9.24E-04	2.92E-07	2.21E-08	2.46E-06	1.28E-06
1751	494761.06, 3859001.99	1.81E-02	5.73E-06	2.43E-06	9.40E-03	2.97E-06	1.26E-06	8.84E-04	2.79E-07	1.60E-08	9.14E-04	2.88E-07	2.19E-08	2.44E-06	1.26E-06
1752	494811.06, 3859001.99	1.80E-02	5.68E-06	2.41E-06	9.33E-03	2.94E-06	1.25E-06	8.76E-04	2.76E-07	1.59E-08	9.06E-04	2.86E-07	2.17E-08	2.42E-06	1.25E-06
1753	494861.06, 3859001.99	1.78E-02	5.62E-06	2.38E-06	9.22E-03	2.91E-06	1.23E-06	8.65E-04	2.73E-07	1.57E-08	8.94E-04	2.82E-07	2.14E-08	2.39E-06	1.24E-06
1754	494911.06, 3859001.99	1.76E-02	5.55E-06	2.35E-06	9.11E-03	2.88E-06	1.22E-06	8.54E-04	2.69E-07	1.55E-08	8.83E-04	2.79E-07	2.12E-08	2.36E-06	1.23E-06
1755	494961.06, 3859001.99	1.73E-02	5.48E-06	2.32E-06	8.99E-03	2.84E-06	1.20E-06	8.43E-04	2.66E-07	1.53E-08	8.72E-04	2.75E-07	2.09E-08	2.33E-06	1.21E-06
1756	495011.06, 3859001.99	1.68E-02	5.32E-06	2.26E-06	8.73E-03	2.75E-06	1.17E-06	8.18E-04	2.58E-07	1.48E-08	8.47E-04	2.67E-07	2.03E-08	2.26E-06	1.17E-06
1757	495061.06, 3859001.99	1.67E-02	5.27E-06	2.24E-06	8.65E-03	2.73E-06	1.16E-06	8.11E-04	2.56E-07	1.47E-08	8.41E-04	2.65E-07	2.01E-08	2.24E-06	1.16E-06
1758	495111.06, 3859001.99	1.64E-02	5.19E-06	2.20E-06	8.51E-03	2.69E-06	1.14E-06	8.00E-04	2.53E-07	1.45E-08	8.29E-04	2.62E-07	1.99E-08	2.21E-06	1.15E-06
1759	495161.06, 3859001.99	1.65E-02	5.22E-06	2.21E-06	8.57E-03	2.70E-06	1.15E-06	8.04E-04	2.54E-07	1.46E-08	8.32E-04	2.63E-07	1.99E-08	2.22E-06	1.15E-06
1760	495211.06, 3859001.99	1.64E-02	5.19E-06	2.20E-06	8.52E-03	2.69E-06	1.14E-06	7.99E-04	2.52E-07	1.45E-08	8.28E-04	2.61E-07	1.98E-08	2.21E-06	1.15E-06
1761	495261.06, 3859001.99	1.64E-02	5.17E-06	2.19E-06	8.48E-03	2.68E-06	1.14E-06	7.96E-04	2.51E-07	1.44E-08	8.26E-04	2.61E-07	1.98E-08	2.20E-06	1.14E-06
1762	495311.06, 3859001.99	1.63E-02	5.13E-06	2.18E-06	8.43E-03	2.66E-06	1.13E-06	7.91E-04	2.50E-07	1.44E-08	8.21E-04	2.59E-07	1.97E-08	2.18E-06	1.13E-06
1763	495361.06, 3859001.99	1.62E-02	5.11E-06	2.17E-06	8.39E-03	2.65E-06	1.12E-06	7.88E-04	2.49E-07	1.43E-08	8.18E-04	2.58E-07	1.96E-08	2.17E-06	1.13E-06
1764	495411.06, 3859001.99	1.61E-02	5.08E-06	2.16E-06	8.35E-03	2.63E-06	1.12E-06	7.85E-04	2.48E-07	1.42E-08	8.13E-04	2.57E-07	1.95E-08	2.16E-06	1.12E-06
1765	495461.06, 3859001.99	1.60E-02	5.06E-06	2.15E-06	8.31E-03	2.62E-06	1.11E-06	7.82E-04	2.47E-07	1.42E-08	8.10E-04	2.56E-07	1.94E-08	2.15E-06	1.12E-06
1766	495511.06, 3859001.99	1.59E-02	5.01E-06	2.12E-06	8.22E-03	2.59E-06	1.10E-06	7.74E-04	2.44E-07	1.40E-08	8.03E-04	2.53E-07	1.92E-08	2.13E-06	1.11E-06
1767	495561.06, 3859001.99	1.58E-02	4.97E-06	2.11E-06	8.17E-03	2.58E-06	1.09E-06	7.69E-04	2.43E-07	1.40E-08	7.98E-04	2.52E-07	1.91E-08	2.12E-06	1.10E-06
1768	495611.06, 3859001.99	1.57E-02	4.94E-06	2.10E-06	8.12E-03	2.56E-06	1.09E-06	7.63E-04	2.41E-07	1.38E-08	7.92E-04	2.50E-07	1.90E-08	2.10E-06	1.09E-06
1769	495661.06, 3859001.99	1.57E-02	4.96E-06	2.10E-06	8.14E-03	2.57E-06	1.09E-06	7.63E-04	2.41E-07	1.38E-08	7.92E-04	2.50E-07	1.90E-08	2.11E-06	1.10E-06
1770	494311.06, 3859051.99	1.99E-02	6.27E-06	2.66E-06	1.03E-02	3.25E-06	1.38E-06	9.96E-04	3.14E-07	1.81E-08	1.03E-03	3.24E-07	2.46E-08	2.67E-06	1.39E-06
1771	494361.06, 3859051.99	1.97E-02	6.23E-06	2.64E-06	1.02E-02	3.23E-06	1.37E-06	9.96E-04	3.14E-07	1.81E-08	1.03E-03	3.24E-07	2.46E-08	2.65E-06	1.38E-06
1772	494411.06, 3859051.99	1.96E-02	6.17E-06	2.62E-06	1.02E-02	3.21E-06	1.36E-06	9.87E-04	3.11E-07	1.79E-08	1.02E-03	3.21E-07	2.44E-08	2.63E-06	1.37E-06
1773	494461.06, 3859051.99	1.94E-02	6.12E-06	2.60E-06	1.01E-02	3.18E-06	1.35E-06	9.78E-04	3.09E-07	1.77E-08	1.01E-03	3.18E-07	2.41E-08	2.60E-06	1.35E-06
1774	494511.06, 3859051.99	1.92E-02	6.06E-06	2.57E-06	9.97E-03	3.15E-06	1.34E-06	9.67E-04	3.05E-07	1.75E-08	9.96E-04	3.14E-07	2.39E-08	2.58E-06	1.34E-06
1775	494561.06, 3859051.99	1.90E-02	6.01E-06	2.55E-06	9.88E-03	3.12E-06	1.32E-06	9.56E-04	3.02E-07	1.73E-08	9.86E-04	3.11E-07	2.36E-08	2.56E-06	1.33E-06
1776	494611.06, 3859051.99	1.88E-02	5.95E-06	2.52E-06	9.78E-03	3.09E-06	1.31E-06	9.43E-04	2.98E-07	1.71E-08	9.73E-04	3.07E-07	2.33E-08	2.53E-06	1.32E-06
1777	494661.06, 3859051.99	1.87E-02	5.89E-06	2.50E-06	9.68E-03	3.05E-06	1.30E-06	9.29E-04	2.93E-07	1.69E-08	9.60E-04	3.03E-07	2.30E-08	2.50E-06	1.30E-06
1778	494711.06, 3859051.99	1.85E-02	5.83E-06	2.47E-06	9.58E-03	3.02E-06	1.28E-06	9.16E-04	2.89E-07	1.66E-08	9.48E-04	2.99E-07	2.27E-08	2.48E-06	1.29E-06
1779	494761.06, 3859051.99	1.83E-02	5.77E-06	2.45E-06	9.48E-03	2.99E-06	1.27E-06	9.04E-04	2.85E-07	1.64E-08	9.35E-04	2.95E-07	2.24E-08	2.45E-06	1.28E-06
1780	494811.06, 3859051.99	1.81E-02	5.73E-06	2.43E-06	9.41E-03	2.97E-06	1.26E-06	8.94E-04	2.82E-07	1.62E-08	9.26E-04	2.92E-07	2.22E-08	2.44E-06	1.27E-06
1781	494861.06, 3859051.99	1.80E-02	5.68E-06	2.41E-06	9.33E-03	2.94E-06	1.25E-06	8.85E-04	2.79E-07	1.61E-08	9.16E-04	2.89E-07	2.19E-08	2.41E-06	1.25E-06
1782	494911.06, 3859051.99	1.78E-02	5.61E-06	2.38E-06	9.21E-03	2.91E-06	1.23E-06	8.71E-04	2.75E-07	1.58E-08	9.03E-04	2.85E-07	2.16E-08	2.38E-06	1.24E-06
1783	494961.06, 3859051.99	1.75E-02	5.52E-06	2.34E-06	9.06E-03	2.86E-06	1.21E-06	8.54E-04	2.69E-07	1.55E-08	8.85E-04	2.79E-07	2.12E-08	2.35E-06	1.22E-06
1784	495011.06, 3859051.99	1.72E-02	5.44E-06	2.31E-06	8.92E-03	2.82E-06	1.20E-06	8.40E-04	2.65E-07	1.52E-08	8.70E-04	2.75E-07	2.08E-08	2.31E-06	1.20E-06
1785	495061.06, 3859051.99	1.70E-02	5.38E-06	2.28E-06	8.83E-03	2.79E-06	1.18E-06	8.30E-04	2.62E-07	1.51E-08	8.60E-04	2.71E-07	2.06E-08	2.29E-06	1.19E-06
1786	495111.06, 3859051.99	1.69E-02	5.34E-06	2.27E-06	8.76E-03	2.77E-06	1.17E-06	8.22E-04	2.60E-07	1.49E-08	8.54E-04	2.69E-07	2.05E-08	2.27E-06	1.18E-06
1787	495161.06, 3859051.99	1.69E-02	5.35E-06	2.27E-06	8.78E-03	2.77E-06	1.18E-06	8.22E-04	2.60E-07	1.49E-08	8.54E-04	2.69E-07	2.05E-08	2.27E-06	1.18E-06
1788	495211.06, 3859051.99	1.68E-02	5.30E-06	2.25E-06	8.71E-03	2.75E-06	1.17E-06	8.16E-04	2.58E-07	1.48E-08	8.46E-04	2.67E-07	2.03E-08	2.26E-06	1.17E-06
1789	495261.06, 3859051.99	1.68E-02	5.30E-06	2.25E-06	8.70E-03	2.75E-06	1.16E-06	8.15E-04	2.57E-07	1.48E-08	8.44E-04	2.66E-07	2.02E-08	2.25E-06	1.17E-06
1790	495311.06, 3859051.99	1.67E-02	5.26E-06	2.23E-06	8.63E-03	2.72E-06	1.16E-06	8.08E-04	2.55E-07	1.47E-08	8.39E-04	2.65E-07	2.01E-08	2.24E-06	1.16E-06
1791	495361.06, 3859051.99	1.66E-02	5.23E-06	2.22E-06	8.59E-03	2.71E-06	1.15E-06	8.05E-04	2.54E-07	1.46E-08	8.34E-04	2.63E-07	2.00E-08	2.23E-06	1.16E-06
1792	495411.06, 3859051.99	1.65E-02	5.22E-06	2.21E-06	8.56E-03	2.70E-06	1.15E-06	8.02E-04	2.53E-07	1.46E-08	8.32E-04	2.63E-07	1.99E-08	2.22E-06	1.15E-06
1793	495461.06, 3859051.99	1.65E-02	5.20E-06	2.21E-06	8.53E-03	2.69E-06	1.14E-06	7.99E-04	2.52E-07	1.45E-08	8.29E-04	2.62E-07	1.99E-08	2.21E-06	1.15E-06
1794	495511.06, 3859051.99	1.63E-02	5.14E-06	2.18E-06	8.44E-03	2.66E-06	1.13E-06	7.91E-04	2.50E-07	1.44E-08	8.21E-04	2.59E-07	1.97E-08	2.19E-06	1.14E-06
1795	495561.06, 3859051.99	1.62E-02	5.10E-06	2.17E-06	8.38E-03	2.64E-06	1.12E-06	7.85E-04	2.48E-07	1.42E-08	8.15E-04	2.57E-07	1.95E-08	2.17E-06	1.13E-06
1796	495611.06, 3859051.99	1.61E-02	5.07E-06	2.15E-06	8.32E-03	2.63E-06	1.11E-06	7.79E-04	2.46E-07	1.41E-08	8.08E-04	2.55E-07	1.94E-08	2.16E-06	1.12E-06

1797	495661.06, 3859051.99	1.62E-02	5.10E-06	2.16E-06	8.36E-03	2.64E-06	1.12E-06	7.79E-04	2.46E-07	1.41E-08	8.08E-04	2.55E-07	1.94E-08	2.17E-06	1.13E-06
1798	494311.06, 3859101.99	1.99E-02	6.28E-06	2.67E-06	1.04E-02	3.27E-06	1.39E-06	1.03E-03	3.26E-07	1.87E-08	1.06E-03	3.35E-07	2.54E-08	2.67E-06	1.39E-06
1799	494361.06, 3859101.99	1.97E-02	6.23E-06	2.64E-06	1.03E-02	3.24E-06	1.37E-06	1.02E-03	3.23E-07	1.86E-08	1.05E-03	3.32E-07	2.52E-08	2.65E-06	1.38E-06
1800	494411.06, 3859101.99	1.96E-02	6.18E-06	2.62E-06	1.02E-02	3.21E-06	1.36E-06	1.02E-03	3.21E-07	1.85E-08	1.04E-03	3.30E-07	2.50E-08	2.63E-06	1.37E-06
1801	494461.06, 3859101.99	1.94E-02	6.13E-06	2.60E-06	1.01E-02	3.19E-06	1.35E-06	1.01E-03	3.17E-07	1.83E-08	1.03E-03	3.27E-07	2.48E-08	2.61E-06	1.36E-06
1802	494511.06, 3859101.99	1.92E-02	6.06E-06	2.57E-06	9.99E-03	3.15E-06	1.34E-06	9.90E-04	3.12E-07	1.80E-08	1.02E-03	3.22E-07	2.44E-08	2.58E-06	1.34E-06
1803	494561.06, 3859101.99	1.91E-02	6.01E-06	2.55E-06	9.91E-03	3.13E-06	1.33E-06	9.79E-04	3.09E-07	1.78E-08	1.01E-03	3.18E-07	2.42E-08	2.56E-06	1.33E-06
1804	494611.06, 3859101.99	1.88E-02	5.95E-06	2.52E-06	9.79E-03	3.09E-06	1.31E-06	9.63E-04	3.04E-07	1.75E-08	9.94E-04	3.14E-07	2.38E-08	2.53E-06	1.32E-06
1805	494661.06, 3859101.99	1.87E-02	5.90E-06	2.50E-06	9.72E-03	3.07E-06	1.30E-06	9.52E-04	3.01E-07	1.73E-08	9.83E-04	3.10E-07	2.35E-08	2.51E-06	1.31E-06
1806	494711.06, 3859101.99	1.85E-02	5.84E-06	2.48E-06	9.61E-03	3.03E-06	1.29E-06	9.35E-04	2.95E-07	1.70E-08	9.66E-04	3.05E-07	2.31E-08	2.48E-06	1.29E-06
1807	494761.06, 3859101.99	1.84E-02	5.82E-06	2.47E-06	9.57E-03	3.02E-06	1.28E-06	9.29E-04	2.93E-07	1.69E-08	9.60E-04	3.03E-07	2.30E-08	2.48E-06	1.29E-06
1808	494811.06, 3859101.99	1.84E-02	5.80E-06	2.46E-06	9.54E-03	3.01E-06	1.28E-06	9.16E-04	2.89E-07	1.66E-08	9.48E-04	2.99E-07	2.27E-08	2.47E-06	1.28E-06
1809	494861.06, 3859101.99	1.84E-02	5.79E-06	2.46E-06	9.52E-03	3.00E-06	1.27E-06	9.05E-04	2.86E-07	1.64E-08	9.37E-04	2.96E-07	2.24E-08	2.46E-06	1.28E-06
1810	494911.06, 3859101.99	1.83E-02	5.77E-06	2.45E-06	9.47E-03	2.99E-06	1.27E-06	8.91E-04	2.81E-07	1.62E-08	9.22E-04	2.91E-07	2.21E-08	2.45E-06	1.27E-06
1811	494961.06, 3859101.99	1.81E-02	5.72E-06	2.43E-06	9.38E-03	2.96E-06	1.26E-06	8.73E-04	2.75E-07	1.58E-08	9.03E-04	2.85E-07	2.16E-08	2.43E-06	1.26E-06
1812	495011.06, 3859101.99	1.78E-02	5.63E-06	2.39E-06	9.23E-03	2.91E-06	1.24E-06	8.52E-04	2.69E-07	1.55E-08	8.83E-04	2.79E-07	2.12E-08	2.39E-06	1.24E-06
1813	495061.06, 3859101.99	1.79E-02	5.65E-06	2.40E-06	9.26E-03	2.92E-06	1.24E-06	8.49E-04	2.68E-07	1.54E-08	8.80E-04	2.78E-07	2.11E-08	2.40E-06	1.25E-06
1814	495111.06, 3859101.99	1.78E-02	5.62E-06	2.38E-06	9.21E-03	2.91E-06	1.23E-06	8.41E-04	2.66E-07	1.53E-08	8.72E-04	2.75E-07	2.09E-08	2.39E-06	1.24E-06
1815	495161.06, 3859101.99	1.79E-02	5.64E-06	2.39E-06	9.24E-03	2.92E-06	1.24E-06	8.41E-04	2.66E-07	1.53E-08	8.72E-04	2.75E-07	2.09E-08	2.40E-06	1.24E-06
1816	495211.06, 3859101.99	1.77E-02	5.60E-06	2.38E-06	9.17E-03	2.90E-06	1.23E-06	8.35E-04	2.64E-07	1.52E-08	8.65E-04	2.73E-07	2.07E-08	2.38E-06	1.23E-06
1817	495261.06, 3859101.99	1.77E-02	5.59E-06	2.37E-06	9.16E-03	2.89E-06	1.23E-06	8.32E-04	2.63E-07	1.51E-08	8.62E-04	2.72E-07	2.06E-08	2.38E-06	1.23E-06
1818	495311.06, 3859101.99	1.77E-02	5.58E-06	2.37E-06	9.14E-03	2.88E-06	1.22E-06	8.26E-04	2.61E-07	1.50E-08	8.57E-04	2.70E-07	2.05E-08	2.37E-06	1.23E-06
1819	495361.06, 3859101.99	1.76E-02	5.56E-06	2.36E-06	9.11E-03	2.87E-06	1.22E-06	8.26E-04	2.61E-07	1.50E-08	8.55E-04	2.70E-07	2.05E-08	2.36E-06	1.23E-06
1820	495411.06, 3859101.99	1.76E-02	5.54E-06	2.35E-06	9.07E-03	2.86E-06	1.21E-06	8.21E-04	2.59E-07	1.49E-08	8.52E-04	2.69E-07	2.04E-08	2.36E-06	1.22E-06
1821	495461.06, 3859101.99	1.75E-02	5.51E-06	2.34E-06	9.03E-03	2.85E-06	1.21E-06	8.13E-04	2.57E-07	1.48E-08	8.42E-04	2.66E-07	2.02E-08	2.34E-06	1.21E-06
1822	495511.06, 3859101.99	1.74E-02	5.49E-06	2.33E-06	8.99E-03	2.84E-06	1.20E-06	8.08E-04	2.55E-07	1.47E-08	8.39E-04	2.65E-07	2.01E-08	2.33E-06	1.21E-06
1823	495561.06, 3859101.99	1.72E-02	5.43E-06	2.31E-06	8.90E-03	2.81E-06	1.19E-06	8.04E-04	2.54E-07	1.46E-08	8.34E-04	2.63E-07	2.00E-08	2.31E-06	1.20E-06
1824	495611.06, 3859101.99	1.71E-02	5.40E-06	2.29E-06	8.84E-03	2.79E-06	1.18E-06	7.97E-04	2.52E-07	1.45E-08	8.28E-04	2.61E-07	1.98E-08	2.30E-06	1.19E-06
1825	495661.06, 3859101.99	1.72E-02	5.42E-06	2.30E-06	8.87E-03	2.80E-06	1.19E-06	7.94E-04	2.51E-07	1.44E-08	8.24E-04	2.60E-07	1.97E-08	2.31E-06	1.19E-06
1826	494311.06, 3859151.99	1.99E-02	6.28E-06	2.66E-06	1.04E-02	3.27E-06	1.39E-06	1.06E-03	3.35E-07	1.93E-08	1.09E-03	3.44E-07	2.61E-08	2.67E-06	1.40E-06
1827	494361.06, 3859151.99	1.97E-02	6.23E-06	2.64E-06	1.03E-02	3.25E-06	1.38E-06	1.05E-03	3.33E-07	1.91E-08	1.08E-03	3.42E-07	2.59E-08	2.65E-06	1.38E-06
1828	494411.06, 3859151.99	1.95E-02	6.17E-06	2.62E-06	1.02E-02	3.22E-06	1.36E-06	1.04E-03	3.29E-07	1.89E-08	1.07E-03	3.38E-07	2.57E-08	2.62E-06	1.37E-06
1829	494461.06, 3859151.99	1.94E-02	6.11E-06	2.59E-06	1.01E-02	3.19E-06	1.35E-06	1.03E-03	3.25E-07	1.87E-08	1.06E-03	3.34E-07	2.53E-08	2.60E-06	1.36E-06
1830	494511.06, 3859151.99	1.92E-02	6.06E-06	2.57E-06	9.99E-03	3.15E-06	1.34E-06	1.01E-03	3.20E-07	1.84E-08	1.04E-03	3.29E-07	2.50E-08	2.58E-06	1.34E-06
1831	494561.06, 3859151.99	1.90E-02	6.01E-06	2.55E-06	9.91E-03	3.13E-06	1.33E-06	1.00E-03	3.16E-07	1.82E-08	1.03E-03	3.26E-07	2.47E-08	2.56E-06	1.33E-06
1832	494611.06, 3859151.99	1.88E-02	5.95E-06	2.52E-06	9.81E-03	3.10E-06	1.31E-06	9.87E-04	3.11E-07	1.79E-08	1.02E-03	3.21E-07	2.44E-08	2.53E-06	1.32E-06
1833	494661.06, 3859151.99	1.87E-02	5.90E-06	2.51E-06	9.74E-03	3.07E-06	1.30E-06	9.76E-04	3.08E-07	1.77E-08	1.01E-03	3.18E-07	2.41E-08	2.51E-06	1.31E-06
1834	494711.06, 3859151.99	1.86E-02	5.88E-06	2.49E-06	9.69E-03	3.06E-06	1.30E-06	9.67E-04	3.05E-07	1.75E-08	9.97E-04	3.15E-07	2.39E-08	2.50E-06	1.30E-06
1835	494761.06, 3859151.99	1.85E-02	5.85E-06	2.48E-06	9.64E-03	3.04E-06	1.29E-06	9.51E-04	3.00E-07	1.73E-08	9.81E-04	3.10E-07	2.35E-08	2.49E-06	1.30E-06
1836	494811.06, 3859151.99	1.88E-02	5.92E-06	2.51E-06	9.74E-03	3.07E-06	1.30E-06	9.37E-04	2.96E-07	1.70E-08	9.68E-04	3.05E-07	2.32E-08	2.52E-06	1.31E-06
1837	494861.06, 3859151.99	1.93E-02	6.11E-06	2.59E-06	1.00E-02	3.16E-06	1.34E-06	9.27E-04	2.93E-07	1.68E-08	9.58E-04	3.02E-07	2.30E-08	2.60E-06	1.35E-06
1838	494911.06, 3859151.99	2.08E-02	6.56E-06	2.78E-06	1.07E-02	3.38E-06	1.43E-06	9.10E-04	2.87E-07	1.65E-08	9.42E-04	2.97E-07	2.26E-08	2.79E-06	1.44E-06
1839	494961.06, 3859151.99	2.05E-02	6.46E-06	2.74E-06	1.05E-02	3.33E-06	1.41E-06	8.88E-04	2.80E-07	1.61E-08	9.21E-04	2.91E-07	2.21E-08	2.75E-06	1.42E-06
1840	495011.06, 3859151.99	2.04E-02	6.44E-06	2.73E-06	1.05E-02	3.31E-06	1.40E-06	8.73E-04	2.75E-07	1.58E-08	9.03E-04	2.85E-07	2.16E-08	2.74E-06	1.41E-06
1841	495061.06, 3859151.99	2.01E-02	6.34E-06	2.69E-06	1.03E-02	3.26E-06	1.38E-06	8.68E-04	2.74E-07	1.58E-08	8.98E-04	2.83E-07	2.15E-08	2.70E-06	1.39E-06
1842	495111.06, 3859151.99	1.99E-02	6.29E-06	2.67E-06	1.03E-02	3.24E-06	1.37E-06	8.62E-04	2.72E-07	1.56E-08	8.93E-04	2.82E-07	2.14E-08	2.68E-06	1.38E-06
1843	495161.06, 3859151.99	1.97E-02	6.22E-06	2.64E-06	1.01E-02	3.20E-06	1.36E-06	8.62E-04	2.72E-07	1.56E-08	8.93E-04	2.82E-07	2.14E-08	2.64E-06	1.36E-06
1844	495211.06, 3859151.99	2.00E-02	6.31E-06	2.68E-06	1.03E-02	3.24E-06	1.38E-06	8.55E-04	2.70E-07	1.55E-08	8.86E-04	2.80E-07	2.12E-08	2.68E-06	1.38E-06
1845	495261.06, 3859151.99	1.95E-02	6.14E-06	2.61E-06	1.00E-02	3.16E-06	1.34E-06	8.51E-04	2.68E-07	1.54E-08	8.81E-04	2.78E-07	2.11E-08	2.61E-06	1.35E-06
1846	495311.06, 3859151.99	1.92E-02	6.07E-06	2.57E-06	9.90E-03	3.13E-06	1.33E-06	8.46E-04	2.67E-07	1.54E-08	8.77E-04	2.77E-07	2.10E-08	2.58E-06	1.33E-06
1847	495361.06, 3859151.99	1.93E-02	6.09E-06	2.58E-06	9.93E-03	3.13E-06	1.33E-06	8.41E-04	2.66E-07	1.53E-08	8.72E-04	2.75E-07	2.09E-08	2.59E-06	1.34E-06
1848	495411.06, 3859151.99	1.90E-02	6.00E-06	2.55E-06	9.80E-03	3.09E-06	1.31E-06	8.41E-04	2.66E-07	1.53E-08	8.72E-04	2.75E-07	2.09E-08	2.55E-06	1.32E-06
1849	495461.06, 3859151.99	1.90E-02	6.01E-06	2.55E-06	9.80E-03	3.09E-06	1.31E-06	8.37E-04	2.64E-07	1.52E-08	8.67E-04	2.74E-07	2.08E-08	2.55E-06	1.32E-06
1850	495511.06, 3859151.99	1.88E-02	5.93E-06	2.52E-06	9.69E-03	3.06E-06	1.30E-06	8.29E-04	2.62E-07	1.50E-08	8.60E-04	2.71E-07	2.06E-08	2.52E-06	1.30E-06
1851	495561.06, 3859151.99	1.86E-02	5.86E-06	2.49E-06	9.56E-03	3.02E-06	1.28E-06	8.22E-04	2.60E-07	1.49E-08	8.54E-04	2.69E-07	2.05E-08	2.49E-06	1.29E-06
1852	495611.06, 3859151.99	1.83E-02	5.77E-06	2.45E-06	9.42E-03	2.97E-06	1.26E-06	8.16E-04	2.58E-07	1.48E-08	8.47E-04	2.67E-07	2.03E-08	2.45E-06	1.27E-06
1853	495661.06, 3859151.99	1.80E-02	5.67E-06	2.40E-06	9.26E-03	2.92E-06	1.24E-06	8.11E-04	2.56E-07	1.47E-08	8.42E-04	2.66E-07	2.02E-08	2.41E-06	1.25E-06
1854	494311.06, 3859201.99	1.99E-02	6.27E-06	2.66E-06	1.04E-02	3.27E-06	1.39E-06	1.09E-03	3.45E-07	1.98E-08	1.12E-03	3.53E-07	2.68E-08	2.67E-06	1.40E-06
1855	494361.06, 3859201.99	1.97E-02	6.21E-06	2.64E-06	1.03E-02	3.25E-06	1.38E-06	1.08E-03	3.42E-07	1.97E-08	1.11E-03	3.50E-07	2.66E-08	2.64E-06	1.38E-06
1856	494411.06, 3859201.99	1.95E-02	6.16E-06	2.61E-06	1.02E-02	3.22E-06	1.36E-06	1.07E-03	3.38E-07	1.95E-08	1.10E-03	3.46E-07	2.63E-08	2.62E-06	1.37E-06
1857	494461.06, 3859201.99	1.93E-02	6.10E-06	2.59E-06	1.01E-02	3.18E-06	1.35E-06	1.05E-03	3.33E-07	1.91E-08	1.08E-03	3.42E-07	2.59E-08	2.60E-06	1.36E-06
1858	494511.06, 3859201.99	1.92E-02	6.05E-06	2.57E-06	1.00E-02	3.16E-06	1.34E-06	1.04E-03	3.29E-07	1.89E-08	1.07E-03	3.38E-07	2.57E-08	2.57E-06	1.35E-06
1859	494561.06, 3859201.99	1.90E-02	5.99E-06	2.54E-06	9.90E-03	3.13E-06	1.33E-06	1.03E-03	3.24E-07	1.86E-08	1.05E-03	3.33E-07	2.53E-08	2.55E-06	1.33E-06
1860	494611.06, 3859201.99	1.88E-02	5.94E-06	2.52E-06	9.82E-03	3.10E-06	1.31E-06	1.01E-03	3.19E-07	1.84E-08	1.04E-03	3.29E-07	2.49E-08	2.53E-06	1.32E-06
1861	494661.06, 3859201.99	1.87E-02	5.90E-06	2.50E-06	9.74E-03	3.08E-06	1.30E-06	1.00E-03	3.16E-07	1.82E-08	1.03E-03	3.25E-07	2.47E-08	2.51E-06	1.31E-06
1862	494711.06, 3859201.99	1.86E-02	5.87E-06	2.49E-06	9.69E-03	3.06E-06	1.30E-06	9.88E-04	3.12E-07	1.79E-08	1.02E-03	3.21E-07	2.44E-08	2.50E-06	1.30E-06
1863	494761.06, 3859201.99	1.85E-02	5.85E-06	2.48E-06	9.65E-03	3.05E-06	1.29E-06	9.73E-04	3.07E-07	1.77E-08	1.00E-03	3.16E-07	2.40E-08	2.49E-06	1.30E-06
1864	494811.06, 3859201.99	1.88E-02	5.93E-06	2.52E-06	9.76E-03	3.08E-06	1.31E-06	9.59E-04	3.03E-07	1.74E-08	9.89E-04	3.12E-07	2.37E-08	2.52E-06	1.31E-06
1865	494861.06, 3859201.99	1.94E-02	6.12E-06	2.60E-06	1.01E-02	3.17E-06	1.35E-06	9.41E-04	2.97E-07	1.71E-08	9.73E-04	3.07E-07	2.33E-08	2.60E-06	1.35E-06
1866	494911.06, 3859201.99	1.88E-02	5.94E-06	2.52E-06	9.76E-03	3.08E-06	1.31E-06	9.26E-04	2.92E-07	1.68E-08	9.58E-04	3.02E-07	2.30E-08	2.53E-06	1.31E-06
1867	494961.06, 3859201.99	1.82E-02	5.75E-06	2.44E-06	9.45E-03	2.98E-06	1.27E-06	9.09E-04	2.87E-07	1.65E-08	9.39E-04	2.96E-07	2.25E-08	2.45E-06	1.27E-06
1868	495011.06, 3859201.99	1.77E-02	5.60E-06	2.37E-06	9.20E-03	2.90E-06	1.23E-06	8.85E-04	2.79E-07	1.61E-08	9.17E-04	2.90E-07	2.20E-08	2.38E-06	1.24E-06
1869	495061.06, 3859201.99	1.77E-02	5.59E-06	2.37E-06	9.19E-03	2.90E-06	1.23E-06	8.90E-04	2.81E-07	1.62E-08	9.21E-04	2.91E-07	2.21E-08	2.38E-06	1.24E-06
1870	495111.06, 3859201.99	1.76E-02	5.55E-06	2.35E-06	9.13E-03	2.88E-06	1.22E-06	8.85E-04	2.79E-07	1.61E-08	9.17E-04	2.90E-07	2.20E-08	2.36E-06	1.23E-06
1871	495161.06, 3859201.99	1.75E-02	5.51E-06	2.34E-06	9.06E-03	2.86E-06	1.21E-06	8.80E-04	2.78E-07	1.60E-08	9.12E-04	2.88E-07	2.19E-08	2.34E-06	1.22E-06
1872	495211.06, 3859201.99	1.73E-02	5.46E-06	2.32E-06	8.99E-03	2.84E-06	1.20E-06	8.74E-04	2.76E-07	1.59E-08	9.04E-04	2.85E-07	2.17E-08	2.32E-06	1.21E-06
1873	495261.06, 3859201.99	1.72E-02	5.43E-06	2.30E-06	8.93E-03	2.82E-06	1.20E-06	8.71E-04	2.75E-07	1.58E-08	9.01E-04	2.84E-07	2.16E-08	2.31E-06	1.20E-06
1874	495311.06, 3859201.99	1.71E-02	5.39E-06	2.29E-06	8.87E-03	2.80E-06	1.19E-06	8.66E-04	2.73E-07	1.57E-08	8.98E-04	2.83E-07	2.15E-08	2.29E-06	1.19E-06
1875	495361.06, 3859201.99	1.70E-02	5.35E-06	2.27E-06	8.81E-03	2.78E-06	1.18E-06	8.62E-04	2.72E-07	1.56E-08	8.93E-04	2.82E-07	2.14E-08	2.28E-06	1.19E-06
1876	495411.06, 3859201.99	1.69E-02	5.32E-06	2.26E-06	8.76E-03	2.77E-06	1.17E-06	8.60E-04	2.71E-07	1.56E-08	8.91E-04	2.81E-07	2.13E-08	2.26E-06	1.18E-06
1877	495461.06, 3859201.99	1.67E-02	5.28E-06	2.24E-06	8.69E-03	2.74E-06	1.16E-06	8.55E-04	2.70E-07	1.55E-08	8.86E-04	2.80E-07	2.12E-08	2.25E-06	1.17E-06
1878	495511.06, 3859201.99	1.66E-02	5.24E-06	2.22E-06	8.63E-03	2.72E-06	1.16E-06	8.49E-04	2.68E-07	1.54E-08	8.81E-04	2.78E-07	2.11E-08	2.23E-06	1.16E-06
1879	495561.06, 3859201.99	1.64E-02	5.18E-06	2.20E-06	8.54E-03	2.69E-06	1.14E-06	8.41E-04	2.66E-07	1.53E-08	8.72E-04	2.75E-07	2.09E-08	2.21E-06	1.15E-06
1880	495611.06, 3859201.99	1.63E-02	5.13E-06	2.18E-06	8.46E-03	2.67E-06	1.13E-06	8.33E-04	2.63E-07	1.51E-08	8.65E-04	2.73E-07	2.07E-08	2.18E-06	1.14E-06
1881	495661.06, 3859201.99	1.61E-02	5.08E-06	2.16E-06	8.38E-03	2.64E-06	1.12E-06	8.29E-04	2.62E-07	1.50E-08	8.60E-04	2.71E-07	2.06E-08	2.16E-06	1.13E-06
1882	494311.06, 3859251.99	1.98E-02	6.25E-06	2.65E-06	1.04E-02	3.27E-06	1.39E-06	1.12E-03	3.55E-07	2.04E-08	1.15E-03	3.63E-07	2.75E-08	2.66E-06	1.40E-06
1883	494361.06, 3859251.99	1.96E-02	6.20E-06	2.63E-06	1.03E-02	3.24E-06	1.38E-06	1.11E-03	3.51E-07	2.02E-08	1.14E-03	3.59E-07	2.72E-08	2.64E-06	1.38E-06
1884	494411.06, 3859251.99	1.95E-02	6.14E-06	2.61E-06	1.02E-02	3.21E-06	1.36E-06	1.09E-03	3.45E-07	1.98E-08	1.12E-03	3.53E-07	2.68E-08	2.61E-06	1.37E-06
1885	494461.06, 3859251.99	1.93E-02	6.08E-06	2.58E-06	1.01E-02	3.18E-06	1.35E-06	1.08E-03	3.42E-07	1.96E-08	1.11E-03	3.50E-07	2.66E-08	2.59E-06	1.36E-06
1886	494511.06, 3859251.99	1.91E-02	6.02E-06	2.55E-06	9.97E-03	3.15E-06	1.34E-06	1.06E-03	3.35E-07	1.93E-08	1.09E-03	3.44E-07	2.61E-08	2.56E-06	1.34E-06

1887	494561.06, 3859251.99	1.89E-02	5.97E-06	2.53E-06	9.89E-03	3.12E-06	1.32E-06	1.05E-03	3.31E-07	1.91E-08	1.08E-03	3.40E-07	2.58E-08	2.54E-06	1.33E-06
1888	494611.06, 3859251.99	1.88E-02	5.92E-06	2.51E-06	9.80E-03	3.09E-06	1.31E-06	1.03E-03	3.26E-07	1.88E-08	1.06E-03	3.35E-07	2.55E-08	2.52E-06	1.32E-06
1889	494661.06, 3859251.99	1.86E-02	5.89E-06	2.50E-06	9.74E-03	3.07E-06	1.30E-06	1.02E-03	3.23E-07	1.86E-08	1.05E-03	3.32E-07	2.52E-08	2.50E-06	1.31E-06
1890	494711.06, 3859251.99	1.85E-02	5.85E-06	2.48E-06	9.68E-03	3.05E-06	1.30E-06	1.01E-03	3.19E-07	1.84E-08	1.04E-03	3.29E-07	2.49E-08	2.49E-06	1.30E-06
1891	494761.06, 3859251.99	1.85E-02	5.83E-06	2.47E-06	9.62E-03	3.04E-06	1.29E-06	9.87E-04	3.11E-07	1.79E-08	1.02E-03	3.20E-07	2.43E-08	2.48E-06	1.30E-06
1892	494811.06, 3859251.99	1.87E-02	5.90E-06	2.50E-06	9.74E-03	3.07E-06	1.30E-06	9.82E-04	3.10E-07	1.78E-08	1.01E-03	3.19E-07	2.42E-08	2.51E-06	1.31E-06
1893	494861.06, 3859251.99	1.94E-02	6.11E-06	2.59E-06	1.00E-02	3.17E-06	1.35E-06	9.57E-04	3.02E-07	1.74E-08	9.88E-04	3.12E-07	2.37E-08	2.60E-06	1.35E-06
1894	494911.06, 3859251.99	1.86E-02	5.86E-06	2.49E-06	9.65E-03	3.05E-06	1.29E-06	9.43E-04	2.98E-07	1.71E-08	9.73E-04	3.07E-07	2.33E-08	2.49E-06	1.30E-06
1895	494961.06, 3859251.99	1.80E-02	5.69E-06	2.41E-06	9.37E-03	2.96E-06	1.25E-06	9.31E-04	2.94E-07	1.69E-08	9.61E-04	3.03E-07	2.30E-08	2.42E-06	1.26E-06
1896	495011.06, 3859251.99	1.76E-02	5.57E-06	2.36E-06	9.18E-03	2.90E-06	1.23E-06	9.18E-04	2.90E-07	1.67E-08	9.50E-04	3.00E-07	2.28E-08	2.37E-06	1.24E-06
1897	495061.06, 3859251.99	1.75E-02	5.52E-06	2.34E-06	9.10E-03	2.87E-06	1.22E-06	9.15E-04	2.89E-07	1.66E-08	9.47E-04	2.99E-07	2.27E-08	2.35E-06	1.22E-06
1898	495111.06, 3859251.99	1.73E-02	5.45E-06	2.31E-06	9.00E-03	2.84E-06	1.20E-06	9.09E-04	2.87E-07	1.65E-08	9.40E-04	2.97E-07	2.25E-08	2.32E-06	1.21E-06
1899	495161.06, 3859251.99	1.71E-02	5.41E-06	2.29E-06	8.92E-03	2.82E-06	1.20E-06	9.04E-04	2.85E-07	1.64E-08	9.34E-04	2.95E-07	2.24E-08	2.30E-06	1.20E-06
1900	495211.06, 3859251.99	1.70E-02	5.36E-06	2.27E-06	8.84E-03	2.79E-06	1.18E-06	8.96E-04	2.83E-07	1.63E-08	9.27E-04	2.93E-07	2.22E-08	2.28E-06	1.19E-06
1901	495261.06, 3859251.99	1.69E-02	5.32E-06	2.26E-06	8.78E-03	2.77E-06	1.18E-06	8.88E-04	2.80E-07	1.61E-08	9.21E-04	2.91E-07	2.21E-08	2.26E-06	1.18E-06
1902	495311.06, 3859251.99	1.67E-02	5.28E-06	2.24E-06	8.72E-03	2.75E-06	1.17E-06	8.88E-04	2.80E-07	1.61E-08	9.19E-04	2.90E-07	2.20E-08	2.25E-06	1.17E-06
1903	495361.06, 3859251.99	1.66E-02	5.24E-06	2.22E-06	8.65E-03	2.73E-06	1.16E-06	8.82E-04	2.78E-07	1.60E-08	9.14E-04	2.88E-07	2.19E-08	2.23E-06	1.16E-06
1904	495411.06, 3859251.99	1.65E-02	5.21E-06	2.21E-06	8.60E-03	2.72E-06	1.15E-06	8.80E-04	2.78E-07	1.60E-08	9.12E-04	2.88E-07	2.19E-08	2.22E-06	1.16E-06
1905	495461.06, 3859251.99	1.64E-02	5.17E-06	2.19E-06	8.54E-03	2.70E-06	1.14E-06	8.76E-04	2.76E-07	1.59E-08	9.06E-04	2.86E-07	2.17E-08	2.20E-06	1.15E-06
1906	495511.06, 3859251.99	1.62E-02	5.12E-06	2.17E-06	8.45E-03	2.67E-06	1.13E-06	8.66E-04	2.73E-07	1.57E-08	8.98E-04	2.83E-07	2.15E-08	2.18E-06	1.14E-06
1907	495561.06, 3859251.99	1.61E-02	5.08E-06	2.15E-06	8.38E-03	2.65E-06	1.12E-06	8.60E-04	2.71E-07	1.56E-08	8.91E-04	2.81E-07	2.13E-08	2.16E-06	1.13E-06
1908	495611.06, 3859251.99	1.59E-02	5.02E-06	2.13E-06	8.30E-03	2.62E-06	1.11E-06	8.51E-04	2.68E-07	1.54E-08	8.83E-04	2.79E-07	2.12E-08	2.14E-06	1.12E-06
1909	495661.06, 3859251.99	1.58E-02	4.98E-06	2.11E-06	8.22E-03	2.60E-06	1.10E-06	8.46E-04	2.67E-07	1.54E-08	8.77E-04	2.77E-07	2.10E-08	2.12E-06	1.11E-06
1910	494311.06, 3859301.99	1.97E-02	6.23E-06	2.64E-06	1.04E-02	3.27E-06	1.39E-06	1.16E-03	3.65E-07	2.10E-08	1.18E-03	3.72E-07	2.83E-08	2.65E-06	1.39E-06
1911	494361.06, 3859301.99	1.96E-02	6.17E-06	2.62E-06	1.03E-02	3.24E-06	1.37E-06	1.14E-03	3.60E-07	2.07E-08	1.17E-03	3.68E-07	2.79E-08	2.63E-06	1.38E-06
1912	494411.06, 3859301.99	1.94E-02	6.11E-06	2.59E-06	1.02E-02	3.20E-06	1.36E-06	1.12E-03	3.54E-07	2.04E-08	1.15E-03	3.62E-07	2.75E-08	2.60E-06	1.37E-06
1913	494461.06, 3859301.99	1.92E-02	6.06E-06	2.57E-06	1.01E-02	3.17E-06	1.35E-06	1.10E-03	3.49E-07	2.00E-08	1.13E-03	3.57E-07	2.71E-08	2.58E-06	1.35E-06
1914	494511.06, 3859301.99	1.90E-02	6.00E-06	2.55E-06	9.96E-03	3.14E-06	1.33E-06	1.09E-03	3.44E-07	1.98E-08	1.11E-03	3.52E-07	2.67E-08	2.55E-06	1.34E-06
1915	494561.06, 3859301.99	1.89E-02	5.95E-06	2.52E-06	9.87E-03	3.12E-06	1.32E-06	1.08E-03	3.40E-07	1.95E-08	1.10E-03	3.48E-07	2.64E-08	2.53E-06	1.33E-06
1916	494611.06, 3859301.99	1.87E-02	5.90E-06	2.50E-06	9.78E-03	3.09E-06	1.31E-06	1.06E-03	3.35E-07	1.93E-08	1.09E-03	3.44E-07	2.61E-08	2.51E-06	1.32E-06
1917	494661.06, 3859301.99	1.86E-02	5.86E-06	2.49E-06	9.71E-03	3.07E-06	1.30E-06	1.05E-03	3.31E-07	1.90E-08	1.08E-03	3.40E-07	2.58E-08	2.49E-06	1.31E-06
1918	494711.06, 3859301.99	1.84E-02	5.82E-06	2.47E-06	9.65E-03	3.04E-06	1.29E-06	1.03E-03	3.26E-07	1.87E-08	1.06E-03	3.35E-07	2.54E-08	2.48E-06	1.30E-06
1919	494761.06, 3859301.99	1.84E-02	5.81E-06	2.47E-06	9.62E-03	3.04E-06	1.29E-06	1.02E-03	3.21E-07	1.85E-08	1.05E-03	3.31E-07	2.51E-08	2.47E-06	1.30E-06
1920	494811.06, 3859301.99	1.86E-02	5.87E-06	2.49E-06	9.70E-03	3.06E-06	1.30E-06	1.00E-03	3.16E-07	1.82E-08	1.03E-03	3.25E-07	2.47E-08	2.50E-06	1.31E-06
1921	494861.06, 3859301.99	1.87E-02	5.91E-06	2.51E-06	9.74E-03	3.07E-06	1.30E-06	9.79E-04	3.09E-07	1.78E-08	1.01E-03	3.18E-07	2.42E-08	2.51E-06	1.31E-06
1922	494911.06, 3859301.99	1.86E-02	5.86E-06	2.49E-06	9.66E-03	3.05E-06	1.29E-06	9.67E-04	3.05E-07	1.75E-08	9.96E-04	3.14E-07	2.39E-08	2.49E-06	1.30E-06
1923	494961.06, 3859301.99	1.79E-02	5.64E-06	2.39E-06	9.31E-03	2.94E-06	1.25E-06	9.45E-04	2.98E-07	1.71E-08	9.74E-04	3.08E-07	2.33E-08	2.40E-06	1.25E-06
1924	495011.06, 3859301.99	1.75E-02	5.54E-06	2.35E-06	9.14E-03	2.88E-06	1.22E-06	9.34E-04	2.95E-07	1.69E-08	9.65E-04	3.04E-07	2.31E-08	2.35E-06	1.23E-06
1925	495061.06, 3859301.99	1.74E-02	5.49E-06	2.33E-06	9.08E-03	2.87E-06	1.22E-06	9.37E-04	2.96E-07	1.70E-08	9.68E-04	3.05E-07	2.32E-08	2.34E-06	1.22E-06
1926	495111.06, 3859301.99	1.72E-02	5.42E-06	2.30E-06	8.95E-03	2.83E-06	1.20E-06	9.26E-04	2.92E-07	1.68E-08	9.57E-04	3.02E-07	2.29E-08	2.30E-06	1.20E-06
1927	495161.06, 3859301.99	1.70E-02	5.36E-06	2.28E-06	8.87E-03	2.80E-06	1.19E-06	9.21E-04	2.91E-07	1.67E-08	9.53E-04	3.01E-07	2.28E-08	2.28E-06	1.19E-06
1928	495211.06, 3859301.99	1.69E-02	5.33E-06	2.26E-06	8.81E-03	2.78E-06	1.18E-06	9.20E-04	2.90E-07	1.67E-08	9.52E-04	3.00E-07	2.28E-08	2.27E-06	1.19E-06
1929	495261.06, 3859301.99	1.68E-02	5.29E-06	2.24E-06	8.75E-03	2.76E-06	1.17E-06	9.16E-04	2.89E-07	1.66E-08	9.47E-04	2.99E-07	2.27E-08	2.25E-06	1.18E-06
1930	495311.06, 3859301.99	1.66E-02	5.23E-06	2.22E-06	8.66E-03	2.73E-06	1.16E-06	9.07E-04	2.86E-07	1.65E-08	9.39E-04	2.96E-07	2.25E-08	2.23E-06	1.17E-06
1931	495361.06, 3859301.99	1.65E-02	5.20E-06	2.21E-06	8.60E-03	2.71E-06	1.15E-06	9.04E-04	2.85E-07	1.64E-08	9.35E-04	2.95E-07	2.24E-08	2.21E-06	1.16E-06
1932	495411.06, 3859301.99	1.63E-02	5.16E-06	2.19E-06	8.54E-03	2.69E-06	1.14E-06	8.99E-04	2.84E-07	1.63E-08	9.30E-04	2.94E-07	2.23E-08	2.19E-06	1.15E-06
1933	495461.06, 3859301.99	1.62E-02	5.12E-06	2.17E-06	8.48E-03	2.68E-06	1.14E-06	8.94E-04	2.82E-07	1.62E-08	9.26E-04	2.92E-07	2.22E-08	2.18E-06	1.14E-06
1934	495511.06, 3859301.99	1.61E-02	5.07E-06	2.15E-06	8.40E-03	2.65E-06	1.12E-06	8.87E-04	2.80E-07	1.61E-08	9.17E-04	2.90E-07	2.20E-08	2.16E-06	1.13E-06
1935	495561.06, 3859301.99	1.59E-02	5.02E-06	2.13E-06	8.30E-03	2.62E-06	1.11E-06	8.76E-04	2.76E-07	1.59E-08	9.06E-04	2.86E-07	2.17E-08	2.13E-06	1.12E-06
1936	495611.06, 3859301.99	1.58E-02	4.98E-06	2.11E-06	8.24E-03	2.60E-06	1.10E-06	8.69E-04	2.74E-07	1.58E-08	8.99E-04	2.84E-07	2.15E-08	2.12E-06	1.11E-06
1937	495661.06, 3859301.99	1.56E-02	4.93E-06	2.09E-06	8.16E-03	2.58E-06	1.09E-06	8.62E-04	2.72E-07	1.56E-08	8.93E-04	2.82E-07	2.14E-08	2.10E-06	1.10E-06
1938	494311.06, 3859351.99	1.96E-02	6.19E-06	2.62E-06	1.03E-02	3.25E-06	1.38E-06	1.18E-03	3.74E-07	2.15E-08	1.21E-03	3.81E-07	2.89E-08	2.63E-06	1.39E-06
1939	494361.06, 3859351.99	1.94E-02	6.14E-06	2.60E-06	1.02E-02	3.22E-06	1.37E-06	1.17E-03	3.69E-07	2.12E-08	1.19E-03	3.76E-07	2.85E-08	2.61E-06	1.38E-06
1940	494411.06, 3859351.99	1.93E-02	6.09E-06	2.58E-06	1.01E-02	3.20E-06	1.36E-06	1.15E-03	3.62E-07	2.08E-08	1.17E-03	3.70E-07	2.81E-08	2.59E-06	1.36E-06
1941	494461.06, 3859351.99	1.91E-02	6.03E-06	2.56E-06	1.00E-02	3.17E-06	1.34E-06	1.13E-03	3.57E-07	2.05E-08	1.15E-03	3.64E-07	2.76E-08	2.57E-06	1.35E-06
1942	494511.06, 3859351.99	1.89E-02	5.97E-06	2.54E-06	9.93E-03	3.14E-06	1.33E-06	1.11E-03	3.52E-07	2.02E-08	1.14E-03	3.60E-07	2.73E-08	2.54E-06	1.34E-06
1943	494561.06, 3859351.99	1.88E-02	5.93E-06	2.52E-06	9.85E-03	3.11E-06	1.32E-06	1.10E-03	3.48E-07	2.00E-08	1.13E-03	3.56E-07	2.70E-08	2.52E-06	1.33E-06
1944	494611.06, 3859351.99	1.86E-02	5.88E-06	2.49E-06	9.77E-03	3.08E-06	1.31E-06	1.09E-03	3.44E-07	1.98E-08	1.11E-03	3.51E-07	2.67E-08	2.50E-06	1.32E-06
1945	494661.06, 3859351.99	1.85E-02	5.84E-06	2.48E-06	9.70E-03	3.06E-06	1.30E-06	1.07E-03	3.39E-07	1.95E-08	1.10E-03	3.47E-07	2.64E-08	2.48E-06	1.31E-06
1946	494711.06, 3859351.99	1.84E-02	5.80E-06	2.46E-06	9.63E-03	3.04E-06	1.29E-06	1.06E-03	3.33E-07	1.92E-08	1.08E-03	3.42E-07	2.59E-08	2.47E-06	1.30E-06
1947	494761.06, 3859351.99	1.83E-02	5.78E-06	2.45E-06	9.58E-03	3.02E-06	1.28E-06	1.03E-03	3.26E-07	1.87E-08	1.06E-03	3.34E-07	2.54E-08	2.46E-06	1.29E-06
1948	494811.06, 3859351.99	1.85E-02	5.84E-06	2.48E-06	9.65E-03	3.05E-06	1.29E-06	1.01E-03	3.19E-07	1.83E-08	1.04E-03	3.28E-07	2.49E-08	2.48E-06	1.30E-06
1949	494861.06, 3859351.99	1.91E-02	6.01E-06	2.55E-06	9.92E-03	3.13E-06	1.33E-06	9.99E-04	3.15E-07	1.81E-08	1.03E-03	3.25E-07	2.46E-08	2.56E-06	1.34E-06
1950	494911.06, 3859351.99	1.85E-02	5.85E-06	2.48E-06	9.66E-03	3.05E-06	1.29E-06	9.90E-04	3.12E-07	1.80E-08	1.02E-03	3.22E-07	2.44E-08	2.49E-06	1.30E-06
1951	494961.06, 3859351.99	1.79E-02	5.66E-06	2.40E-06	9.36E-03	2.95E-06	1.25E-06	9.78E-04	3.09E-07	1.77E-08	1.01E-03	3.18E-07	2.41E-08	2.41E-06	1.26E-06
1952	495011.06, 3859351.99	1.76E-02	5.55E-06	2.35E-06	9.18E-03	2.90E-06	1.23E-06	9.68E-04	3.06E-07	1.76E-08	9.99E-04	3.15E-07	2.39E-08	2.36E-06	1.24E-06
1953	495061.06, 3859351.99	1.74E-02	5.49E-06	2.33E-06	9.09E-03	2.87E-06	1.22E-06	9.68E-04	3.06E-07	1.76E-08	9.97E-04	3.15E-07	2.39E-08	2.33E-06	1.22E-06
1954	495111.06, 3859351.99	1.72E-02	5.42E-06	2.30E-06	8.97E-03	2.83E-06	1.20E-06	9.57E-04	3.02E-07	1.74E-08	9.88E-04	3.12E-07	2.37E-08	2.30E-06	1.21E-06
1955	495161.06, 3859351.99	1.70E-02	5.36E-06	2.27E-06	8.88E-03	2.80E-06	1.19E-06	9.51E-04	3.00E-07	1.73E-08	9.81E-04	3.10E-07	2.35E-08	2.28E-06	1.20E-06
1956	495211.06, 3859351.99	1.68E-02	5.31E-06	2.25E-06	8.80E-03	2.78E-06	1.18E-06	9.45E-04	2.98E-07	1.71E-08	9.74E-04	3.08E-07	2.33E-08	2.26E-06	1.18E-06
1957	495261.06, 3859351.99	1.67E-02	5.26E-06	2.23E-06	8.73E-03	2.75E-06	1.17E-06	9.40E-04	2.97E-07	1.71E-08	9.70E-04	3.06E-07	2.32E-08	2.24E-06	1.17E-06
1958	495311.06, 3859351.99	1.65E-02	5.21E-06	2.21E-06	8.64E-03	2.73E-06	1.16E-06	9.31E-04	2.94E-07	1.69E-08	9.61E-04	3.03E-07	2.30E-08	2.22E-06	1.16E-06
1959	495361.06, 3859351.99	1.64E-02	5.17E-06	2.19E-06	8.57E-03	2.70E-06	1.15E-06	9.24E-04	2.92E-07	1.68E-08	9.55E-04	3.01E-07	2.29E-08	2.20E-06	1.15E-06
1960	495411.06, 3859351.99	1.62E-02	5.13E-06	2.17E-06	8.50E-03	2.68E-06	1.14E-06	9.20E-04	2.90E-07	1.67E-08	9.52E-04	3.00E-07	2.28E-08	2.18E-06	1.14E-06
1961	495461.06, 3859351.99	1.61E-02	5.09E-06	2.16E-06	8.44E-03	2.66E-06	1.13E-06	9.16E-04	2.89E-07	1.66E-08	9.48E-04	2.99E-07	2.27E-08	2.17E-06	1.14E-06
1962	495511.06, 3859351.99	1.60E-02	5.04E-06	2.14E-06	8.36E-03	2.64E-06	1.12E-06	9.05E-04	2.86E-07	1.64E-08	9.37E-04	2.96E-07	2.24E-08	2.14E-06	1.12E-06
1963	495561.06, 3859351.99	1.58E-02	4.99E-06	2.12E-06	8.28E-03	2.61E-06	1.11E-06	8.98E-04	2.83E-07	1.63E-08	9.29E-04	2.93E-07	2.22E-08	2.12E-06	1.11E-06
1964	495611.06, 3859351.99	1.57E-02	4.95E-06	2.10E-06	8.21E-03	2.59E-06	1.10E-06	8.91E-04	2.81E-07	1.62E-08	9.22E-04	2.91E-07	2.21E-08	2.11E-06	1.11E-06
1965	495661.06, 3859351.99	1.55E-02	4.90E-06	2.08E-06	8.13E-03	2.57E-06	1.09E-06	8.80E-04	2.78E-07	1.60E-08	9.12E-04	2.88E-07	2.19E-08	2.09E-06	1.09E-06
1966	494311.06, 3859401.99	1.94E-02	6.14E-06	2.60E-06	1.02E-02	3.24E-06	1.37E-06	1.22E-03	3.84E-07	2.21E-08	1.24E-03	3.91E-07	2.96E-08	2.61E-06	1.38E-06
1967	494361.06, 3859401.99	1.93E-02	6.09E-06	2.58E-06	1.02E-02	3.21E-06	1.36E-06	1.19E-03	3.77E-07	2.17E-08	1.22E-03	3.84E-07	2.91E-08	2.59E-06	1.37E-06
1968	494411.06, 3859401.99	1.92E-02	6.05E-06	2.57E-06	1.01E-02	3.18E-06	1.35E-06	1.17E-03	3.70E-07	2.13E-08	1.20E-03	3.78E-07	2.87E-08	2.57E-06	1.36E-06
1969	494461.06, 3859401.99	1.90E-02	6.00E-06	2.55E-06	1.00E-02	3.16E-06	1.34E-06	1.16E-03	3.65E-07	2.10E-08	1.18E-03	3.72E-07	2.83E-08	2.55E-06	1.35E-06
1970	494511.06, 3859401.99	1.89E-02	5.95E-06	2.53E-06	9.92E-03	3.13E-06	1.33E-06	1.14E-03	3.61E-07	2.08E-08	1.17E-03	3.68E-07	2.80E-08	2.53E-06	1.34E-06
1971	494561.06, 3859401.99	1.87E-02	5.91E-06	2.51E-06	9.84E-03	3.11E-06	1.32E-06	1.13E-03	3.57E-07	2.05E-08	1.15E-03	3.64E-07	2.76E-08	2.51E-06	1.33E-06
1972	494611.06, 3859401.99	1.86E-02	5.86E-06	2.49E-06	9.76E-03	3.08E-06	1.31E-06	1.11E-03	3.52E-07	2.02E-08	1.14E-03	3.60E-07	2.73E-08	2.49E-06	1.31E-06
1973	494661.06, 3859401.99	1.85E-02	5.83E-06	2.47E-06	9.70E-03	3.06E-06	1.30E-06	1.10E-03	3.48E-07	2.00E-08	1.13E-03	3.56E-07	2.70E-08	2.48E-06	1.31E-06
1974	494711.06, 3859401.99	1.84E-02	5.79E-06	2.46E-06	9.64E-03	3.04E-06	1.29E-06	1.09E-03	3.43E-07	1.97E-08	1.11E-03	3.51E-07	2.67E-08	2.47E-06	1.30E-06
1975	494761.06, 3859401.99	1.83E-02	5.77E-06	2.45E-06	9.59E-03	3.03E-06	1.28E-06	1.06E-03	3.35E-07	1.93E-08	1.09E-03	3.43E-07	2.60E-08	2.46E-06	1.29E-06
1976	494811.06, 3859401.99	1.85E-02	5.83E-06	2.47E-06	9.66E-03	3.05E-06	1.29E-06	1.05E-03	3.30E-07	1.90E-08	1.07E-03	3.39E-07	2.57E-08	2.48E-06	1.30E-06

1977	494861.06, 3859401.99	1.90E-02	6.00E-06	2.55E-06	9.92E-03	3.13E-06	1.33E-06	1.03E-03	3.24E-07	1.86E-08	1.05E-03	3.33E-07	2.53E-08	2.55E-06	1.33E-06
1978	494911.06, 3859401.99	1.85E-02	5.83E-06	2.47E-06	9.64E-03	3.04E-06	1.29E-06	1.01E-03	3.19E-07	1.83E-08	1.04E-03	3.28E-07	2.49E-08	2.48E-06	1.30E-06
1979	494961.06, 3859401.99	1.79E-02	5.65E-06	2.40E-06	9.36E-03	2.95E-06	1.25E-06	1.00E-03	3.17E-07	1.82E-08	1.03E-03	3.26E-07	2.47E-08	2.40E-06	1.26E-06
1980	495011.06, 3859401.99	1.76E-02	5.54E-06	2.35E-06	9.19E-03	2.90E-06	1.23E-06	9.96E-04	3.14E-07	1.81E-08	1.03E-03	3.24E-07	2.46E-08	2.36E-06	1.24E-06
1981	495061.06, 3859401.99	1.73E-02	5.47E-06	2.32E-06	9.07E-03	2.86E-06	1.22E-06	9.87E-04	3.11E-07	1.79E-08	1.02E-03	3.21E-07	2.44E-08	2.33E-06	1.22E-06
1982	495111.06, 3859401.99	1.71E-02	5.40E-06	2.29E-06	8.95E-03	2.83E-06	1.20E-06	9.76E-04	3.08E-07	1.77E-08	1.01E-03	3.17E-07	2.41E-08	2.30E-06	1.21E-06
1983	495161.06, 3859401.99	1.69E-02	5.34E-06	2.26E-06	8.86E-03	2.80E-06	1.19E-06	9.73E-04	3.07E-07	1.77E-08	1.00E-03	3.17E-07	2.40E-08	2.27E-06	1.19E-06
1984	495211.06, 3859401.99	1.68E-02	5.29E-06	2.24E-06	8.78E-03	2.77E-06	1.18E-06	9.70E-04	3.06E-07	1.76E-08	9.99E-04	3.15E-07	2.39E-08	2.25E-06	1.18E-06
1985	495261.06, 3859401.99	1.66E-02	5.24E-06	2.22E-06	8.70E-03	2.75E-06	1.17E-06	9.62E-04	3.04E-07	1.75E-08	9.92E-04	3.13E-07	2.38E-08	2.23E-06	1.17E-06
1986	495311.06, 3859401.99	1.64E-02	5.19E-06	2.20E-06	8.62E-03	2.72E-06	1.15E-06	9.54E-04	3.01E-07	1.73E-08	9.84E-04	3.11E-07	2.36E-08	2.21E-06	1.16E-06
1987	495361.06, 3859401.99	1.63E-02	5.15E-06	2.18E-06	8.55E-03	2.70E-06	1.15E-06	9.51E-04	3.00E-07	1.73E-08	9.81E-04	3.10E-07	2.35E-08	2.19E-06	1.15E-06
1988	495411.06, 3859401.99	1.62E-02	5.11E-06	2.17E-06	8.48E-03	2.68E-06	1.14E-06	9.46E-04	2.99E-07	1.72E-08	9.76E-04	3.08E-07	2.34E-08	2.17E-06	1.14E-06
1989	495461.06, 3859401.99	1.60E-02	5.06E-06	2.15E-06	8.40E-03	2.65E-06	1.13E-06	9.37E-04	2.96E-07	1.70E-08	9.68E-04	3.05E-07	2.32E-08	2.15E-06	1.13E-06
1990	495511.06, 3859401.99	1.59E-02	5.01E-06	2.13E-06	8.32E-03	2.63E-06	1.11E-06	9.26E-04	2.92E-07	1.68E-08	9.57E-04	3.02E-07	2.29E-08	2.13E-06	1.12E-06
1991	495561.06, 3859401.99	1.57E-02	4.96E-06	2.10E-06	8.23E-03	2.60E-06	1.10E-06	9.15E-04	2.89E-07	1.66E-08	9.45E-04	2.98E-07	2.26E-08	2.11E-06	1.11E-06
1992	495611.06, 3859401.99	1.56E-02	4.92E-06	2.09E-06	8.17E-03	2.58E-06	1.09E-06	9.07E-04	2.86E-07	1.65E-08	9.39E-04	2.96E-07	2.25E-08	2.09E-06	1.10E-06
1993	495661.06, 3859401.99	1.54E-02	4.87E-06	2.07E-06	8.10E-03	2.56E-06	1.08E-06	9.01E-04	2.84E-07	1.64E-08	9.32E-04	2.94E-07	2.23E-08	2.07E-06	1.09E-06
1994	494311.06, 3859451.99	1.93E-02	6.09E-06	2.58E-06	1.02E-02	3.22E-06	1.36E-06	1.24E-03	3.92E-07	2.25E-08	1.26E-03	3.98E-07	3.02E-08	2.59E-06	1.37E-06
1995	494361.06, 3859451.99	1.92E-02	6.05E-06	2.57E-06	1.01E-02	3.19E-06	1.35E-06	1.22E-03	3.85E-07	2.22E-08	1.24E-03	3.92E-07	2.98E-08	2.57E-06	1.36E-06
1996	494411.06, 3859451.99	1.91E-02	6.01E-06	2.55E-06	1.00E-02	3.17E-06	1.35E-06	1.19E-03	3.77E-07	2.17E-08	1.22E-03	3.84E-07	2.91E-08	2.56E-06	1.35E-06
1997	494461.06, 3859451.99	1.89E-02	5.97E-06	2.53E-06	9.97E-03	3.15E-06	1.34E-06	1.18E-03	3.73E-07	2.15E-08	1.21E-03	3.81E-07	2.89E-08	2.54E-06	1.34E-06
1998	494511.06, 3859451.99	1.88E-02	5.94E-06	2.52E-06	9.91E-03	3.13E-06	1.33E-06	1.17E-03	3.68E-07	2.12E-08	1.19E-03	3.76E-07	2.85E-08	2.53E-06	1.33E-06
1999	494561.06, 3859451.99	1.87E-02	5.90E-06	2.50E-06	9.85E-03	3.11E-06	1.32E-06	1.15E-03	3.64E-07	2.09E-08	1.18E-03	3.71E-07	2.82E-08	2.51E-06	1.33E-06
2000	494611.06, 3859451.99	1.86E-02	5.87E-06	2.49E-06	9.80E-03	3.09E-06	1.31E-06	1.14E-03	3.61E-07	2.08E-08	1.17E-03	3.68E-07	2.80E-08	2.50E-06	1.32E-06
2001	494661.06, 3859451.99	1.85E-02	5.84E-06	2.48E-06	9.73E-03	3.07E-06	1.30E-06	1.13E-03	3.55E-07	2.04E-08	1.15E-03	3.63E-07	2.76E-08	2.48E-06	1.31E-06
2002	494711.06, 3859451.99	1.84E-02	5.80E-06	2.46E-06	9.67E-03	3.05E-06	1.29E-06	1.11E-03	3.51E-07	2.02E-08	1.13E-03	3.58E-07	2.72E-08	2.47E-06	1.30E-06
2003	494761.06, 3859451.99	1.83E-02	5.79E-06	2.46E-06	9.64E-03	3.04E-06	1.29E-06	1.10E-03	3.46E-07	1.99E-08	1.12E-03	3.54E-07	2.69E-08	2.46E-06	1.30E-06
2004	494811.06, 3859451.99	1.85E-02	5.84E-06	2.48E-06	9.71E-03	3.06E-06	1.30E-06	1.08E-03	3.40E-07	1.95E-08	1.10E-03	3.48E-07	2.64E-08	2.49E-06	1.31E-06
2005	494861.06, 3859451.99	1.86E-02	5.87E-06	2.49E-06	9.74E-03	3.08E-06	1.30E-06	1.06E-03	3.34E-07	1.92E-08	1.09E-03	3.43E-07	2.60E-08	2.50E-06	1.31E-06
2006	494911.06, 3859451.99	1.85E-02	5.85E-06	2.48E-06	9.69E-03	3.06E-06	1.30E-06	1.04E-03	3.30E-07	1.90E-08	1.07E-03	3.38E-07	2.57E-08	2.49E-06	1.30E-06
2007	494961.06, 3859451.99	1.79E-02	5.66E-06	2.40E-06	9.40E-03	2.97E-06	1.26E-06	1.04E-03	3.27E-07	1.88E-08	1.06E-03	3.36E-07	2.55E-08	2.41E-06	1.27E-06
2008	495011.06, 3859451.99	1.75E-02	5.54E-06	2.35E-06	9.20E-03	2.91E-06	1.23E-06	1.03E-03	3.24E-07	1.86E-08	1.05E-03	3.33E-07	2.53E-08	2.36E-06	1.24E-06
2009	495061.06, 3859451.99	1.73E-02	5.45E-06	2.31E-06	9.06E-03	2.86E-06	1.21E-06	1.02E-03	3.21E-07	1.85E-08	1.04E-03	3.30E-07	2.50E-08	2.32E-06	1.22E-06
2010	495111.06, 3859451.99	1.70E-02	5.37E-06	2.28E-06	8.94E-03	2.82E-06	1.20E-06	1.01E-03	3.17E-07	1.83E-08	1.03E-03	3.27E-07	2.48E-08	2.29E-06	1.20E-06
2011	495161.06, 3859451.99	1.68E-02	5.32E-06	2.26E-06	8.84E-03	2.79E-06	1.18E-06	9.99E-04	3.15E-07	1.81E-08	1.03E-03	3.25E-07	2.46E-08	2.26E-06	1.19E-06
2012	495211.06, 3859451.99	1.67E-02	5.26E-06	2.23E-06	8.76E-03	2.76E-06	1.17E-06	9.95E-04	3.14E-07	1.81E-08	1.02E-03	3.23E-07	2.45E-08	2.24E-06	1.18E-06
2013	495261.06, 3859451.99	1.65E-02	5.21E-06	2.21E-06	8.68E-03	2.74E-06	1.16E-06	9.88E-04	3.12E-07	1.79E-08	1.02E-03	3.21E-07	2.44E-08	2.22E-06	1.17E-06
2014	495311.06, 3859451.99	1.63E-02	5.16E-06	2.19E-06	8.59E-03	2.71E-06	1.15E-06	9.81E-04	3.10E-07	1.78E-08	1.01E-03	3.19E-07	2.42E-08	2.20E-06	1.16E-06
2015	495361.06, 3859451.99	1.62E-02	5.11E-06	2.17E-06	8.52E-03	2.69E-06	1.14E-06	9.74E-04	3.08E-07	1.77E-08	1.00E-03	3.17E-07	2.40E-08	2.18E-06	1.15E-06
2016	495411.06, 3859451.99	1.61E-02	5.07E-06	2.15E-06	8.44E-03	2.66E-06	1.13E-06	9.67E-04	3.05E-07	1.75E-08	9.96E-04	3.14E-07	2.39E-08	2.16E-06	1.14E-06
2017	495461.06, 3859451.99	1.59E-02	5.02E-06	2.13E-06	8.36E-03	2.64E-06	1.12E-06	9.59E-04	3.03E-07	1.74E-08	9.89E-04	3.12E-07	2.37E-08	2.14E-06	1.13E-06
2018	495511.06, 3859451.99	1.58E-02	4.97E-06	2.11E-06	8.28E-03	2.61E-06	1.11E-06	9.46E-04	2.99E-07	1.72E-08	9.76E-04	3.08E-07	2.34E-08	2.12E-06	1.11E-06
2019	495561.06, 3859451.99	1.56E-02	4.93E-06	2.09E-06	8.21E-03	2.59E-06	1.10E-06	9.38E-04	2.96E-07	1.70E-08	9.68E-04	3.05E-07	2.32E-08	2.10E-06	1.11E-06
2020	495611.06, 3859451.99	1.55E-02	4.88E-06	2.07E-06	8.13E-03	2.57E-06	1.09E-06	9.29E-04	2.93E-07	1.69E-08	9.60E-04	3.03E-07	2.30E-08	2.08E-06	1.10E-06
2021	495661.06, 3859451.99	1.53E-02	4.84E-06	2.06E-06	8.07E-03	2.55E-06	1.08E-06	9.23E-04	2.91E-07	1.67E-08	9.52E-04	3.00E-07	2.28E-08	2.06E-06	1.09E-06
2022	494311.06, 3859501.99	1.91E-02	6.04E-06	2.56E-06	1.01E-02	3.20E-06	1.36E-06	1.27E-03	4.00E-07	2.30E-08	1.29E-03	4.08E-07	3.09E-08	2.57E-06	1.36E-06
2023	494361.06, 3859501.99	1.91E-02	6.02E-06	2.55E-06	1.01E-02	3.18E-06	1.35E-06	1.25E-03	3.94E-07	2.27E-08	1.27E-03	4.01E-07	3.04E-08	2.56E-06	1.36E-06
2024	494411.06, 3859501.99	1.90E-02	6.01E-06	2.55E-06	1.00E-02	3.17E-06	1.35E-06	1.21E-03	3.83E-07	2.20E-08	1.24E-03	3.91E-07	2.96E-08	2.56E-06	1.35E-06
2025	494461.06, 3859501.99	1.90E-02	6.00E-06	2.55E-06	1.00E-02	3.17E-06	1.34E-06	1.21E-03	3.82E-07	2.20E-08	1.23E-03	3.89E-07	2.96E-08	2.55E-06	1.35E-06
2026	494511.06, 3859501.99	1.90E-02	5.99E-06	2.54E-06	1.00E-02	3.16E-06	1.34E-06	1.19E-03	3.76E-07	2.16E-08	1.21E-03	3.83E-07	2.91E-08	2.55E-06	1.35E-06
2027	494561.06, 3859501.99	1.90E-02	5.99E-06	2.54E-06	1.00E-02	3.16E-06	1.34E-06	1.18E-03	3.71E-07	2.14E-08	1.20E-03	3.79E-07	2.87E-08	2.55E-06	1.35E-06
2028	494611.06, 3859501.99	1.90E-02	5.99E-06	2.54E-06	1.00E-02	3.16E-06	1.34E-06	1.17E-03	3.70E-07	2.13E-08	1.20E-03	3.78E-07	2.87E-08	2.55E-06	1.35E-06
2029	494661.06, 3859501.99	1.89E-02	5.97E-06	2.53E-06	9.95E-03	3.14E-06	1.33E-06	1.15E-03	3.64E-07	2.10E-08	1.18E-03	3.71E-07	2.82E-08	2.54E-06	1.34E-06
2030	494711.06, 3859501.99	1.88E-02	5.94E-06	2.52E-06	9.90E-03	3.12E-06	1.33E-06	1.13E-03	3.57E-07	2.05E-08	1.16E-03	3.65E-07	2.77E-08	2.53E-06	1.33E-06
2031	494761.06, 3859501.99	1.88E-02	5.94E-06	2.52E-06	9.88E-03	3.12E-06	1.32E-06	1.12E-03	3.55E-07	2.04E-08	1.15E-03	3.63E-07	2.75E-08	2.53E-06	1.33E-06
2032	494811.06, 3859501.99	1.88E-02	5.95E-06	2.52E-06	9.88E-03	3.12E-06	1.32E-06	1.10E-03	3.47E-07	1.99E-08	1.12E-03	3.54E-07	2.69E-08	2.53E-06	1.33E-06
2033	494861.06, 3859501.99	1.89E-02	5.96E-06	2.53E-06	9.89E-03	3.12E-06	1.32E-06	1.09E-03	3.43E-07	1.97E-08	1.11E-03	3.51E-07	2.66E-08	2.54E-06	1.33E-06
2034	494911.06, 3859501.99	1.87E-02	5.90E-06	2.50E-06	9.79E-03	3.09E-06	1.31E-06	1.08E-03	3.40E-07	1.95E-08	1.10E-03	3.48E-07	2.64E-08	2.51E-06	1.32E-06
2035	494961.06, 3859501.99	1.80E-02	5.67E-06	2.40E-06	9.43E-03	2.97E-06	1.26E-06	1.06E-03	3.35E-07	1.93E-08	1.09E-03	3.44E-07	2.61E-08	2.41E-06	1.27E-06
2036	495011.06, 3859501.99	1.75E-02	5.53E-06	2.35E-06	9.21E-03	2.91E-06	1.23E-06	1.05E-03	3.33E-07	1.91E-08	1.08E-03	3.41E-07	2.59E-08	2.35E-06	1.24E-06
2037	495061.06, 3859501.99	1.72E-02	5.43E-06	2.30E-06	9.05E-03	2.86E-06	1.21E-06	1.05E-03	3.30E-07	1.90E-08	1.07E-03	3.38E-07	2.57E-08	2.31E-06	1.22E-06
2038	495111.06, 3859501.99	1.69E-02	5.34E-06	2.27E-06	8.91E-03	2.81E-06	1.19E-06	1.03E-03	3.26E-07	1.87E-08	1.06E-03	3.34E-07	2.54E-08	2.27E-06	1.20E-06
2039	495161.06, 3859501.99	1.67E-02	5.28E-06	2.24E-06	8.80E-03	2.78E-06	1.18E-06	1.02E-03	3.23E-07	1.86E-08	1.05E-03	3.32E-07	2.52E-08	2.25E-06	1.19E-06
2040	495211.06, 3859501.99	1.66E-02	5.22E-06	2.22E-06	8.72E-03	2.75E-06	1.17E-06	1.02E-03	3.22E-07	1.85E-08	1.05E-03	3.31E-07	2.51E-08	2.22E-06	1.17E-06
2041	495261.06, 3859501.99	1.64E-02	5.17E-06	2.19E-06	8.63E-03	2.72E-06	1.16E-06	1.01E-03	3.20E-07	1.84E-08	1.04E-03	3.29E-07	2.49E-08	2.20E-06	1.16E-06
2042	495311.06, 3859501.99	1.62E-02	5.12E-06	2.17E-06	8.55E-03	2.70E-06	1.14E-06	1.01E-03	3.18E-07	1.83E-08	1.03E-03	3.27E-07	2.48E-08	2.18E-06	1.15E-06
2043	495361.06, 3859501.99	1.61E-02	5.08E-06	2.15E-06	8.47E-03	2.67E-06	1.13E-06	9.98E-04	3.15E-07	1.81E-08	1.03E-03	3.24E-07	2.46E-08	2.16E-06	1.14E-06
2044	495411.06, 3859501.99	1.59E-02	5.03E-06	2.13E-06	8.39E-03	2.65E-06	1.12E-06	9.92E-04	3.13E-07	1.80E-08	1.02E-03	3.22E-07	2.44E-08	2.14E-06	1.13E-06
2045	495461.06, 3859501.99	1.58E-02	4.98E-06	2.11E-06	8.32E-03	2.63E-06	1.11E-06	9.82E-04	3.10E-07	1.78E-08	1.01E-03	3.19E-07	2.42E-08	2.12E-06	1.12E-06
2046	495511.06, 3859501.99	1.56E-02	4.93E-06	2.09E-06	8.23E-03	2.60E-06	1.10E-06	9.65E-04	3.05E-07	1.75E-08	9.94E-04	3.14E-07	2.38E-08	2.10E-06	1.11E-06
2047	495561.06, 3859501.99	1.55E-02	4.89E-06	2.08E-06	8.17E-03	2.58E-06	1.09E-06	9.62E-04	3.04E-07	1.75E-08	9.91E-04	3.13E-07	2.37E-08	2.08E-06	1.10E-06
2048	495611.06, 3859501.99	1.54E-02	4.85E-06	2.06E-06	8.09E-03	2.55E-06	1.08E-06	9.52E-04	3.01E-07	1.73E-08	9.83E-04	3.10E-07	2.35E-08	2.06E-06	1.09E-06
2049	495661.06, 3859501.99	1.52E-02	4.80E-06	2.04E-06	8.02E-03	2.53E-06	1.07E-06	9.43E-04	2.98E-07	1.71E-08	9.73E-04	3.07E-07	2.33E-08	2.04E-06	1.08E-06
2050	494311.06, 3859551.99	1.90E-02	5.98E-06	2.54E-06	1.01E-02	3.18E-06	1.35E-06	1.30E-03	4.09E-07	2.35E-08	1.32E-03	4.16E-07	3.16E-08	2.55E-06	1.36E-06
2051	494361.06, 3859551.99	1.90E-02	5.98E-06	2.54E-06	1.00E-02	3.17E-06	1.34E-06	1.27E-03	4.00E-07	2.30E-08	1.29E-03	4.06E-07	3.09E-08	2.55E-06	1.35E-06
2052	494411.06, 3859551.99	1.92E-02	6.06E-06	2.57E-06	1.01E-02	3.20E-06	1.36E-06	1.23E-03	3.90E-07	2.24E-08	1.26E-03	3.97E-07	3.01E-08	2.58E-06	1.37E-06
2053	494461.06, 3859551.99	1.99E-02	6.28E-06	2.67E-06	1.05E-02	3.31E-06	1.40E-06	1.24E-03	3.91E-07	2.25E-08	1.26E-03	3.98E-07	3.02E-08	2.67E-06	1.41E-06
2054	494511.06, 3859551.99	2.19E-02	6.91E-06	2.93E-06	1.14E-02	3.61E-06	1.53E-06	1.22E-03	3.85E-07	2.21E-08	1.24E-03	3.92E-07	2.98E-08	2.94E-06	1.54E-06
2055	494561.06, 3859551.99	2.17E-02	6.85E-06	2.91E-06	1.13E-02	3.58E-06	1.52E-06	1.20E-03	3.80E-07	2.18E-08	1.23E-03	3.87E-07	2.94E-08	2.91E-06	1.53E-06
2056	494611.06, 3859551.99	2.16E-02	6.82E-06	2.89E-06	1.13E-02	3.56E-06	1.51E-06	1.19E-03	3.77E-07	2.17E-08	1.22E-03	3.84E-07	2.92E-08	2.90E-06	1.52E-06
2057	494661.06, 3859551.99	2.14E-02	6.76E-06	2.87E-06	1.12E-02	3.53E-06	1.50E-06	1.18E-03	3.73E-07	2.14E-08	1.20E-03	3.80E-07	2.89E-08	2.87E-06	1.51E-06
2058	494711.06, 3859551.99	2.12E-02	6.70E-06	2.84E-06	1.11E-02	3.50E-06	1.48E-06	1.15E-03	3.62E-07	2.08E-08	1.17E-03	3.70E-07	2.81E-08	2.85E-06	1.49E-06
2059	494761.06, 3859551.99	2.13E-02	6.73E-06	2.86E-06	1.11E-02	3.51E-06	1.49E-06	1.15E-03	3.63E-07	2.09E-08	1.18E-03	3.71E-07	2.82E-08	2.86E-06	1.50E-06
2060	494811.06, 3859551.99	2.12E-02	6.68E-06	2.83E-06	1.10E-02	3.48E-06	1.48E-06	1.13E-03	3.56E-07	2.05E-08	1.15E-03	3.64E-07	2.76E-08	2.84E-06	1.48E-06
2061	494861.06, 3859551.99	2.04E-02	6.42E-06	2.73E-06	1.06E-02	3.35E-06	1.42E-06	1.12E-03	3.52E-07	2.02E-08	1.14E-03	3.60E-07	2.73E-08	2.73E-06	1.43E-06
2062	494911.06, 3859551.99	1.86E-02	5.86E-06	2.48E-06	9.74E-03	3.07E-06	1.30E-06	1.10E-03	3.48E-07	2.00E-08	1.13E-03	3.55E-07	2.70E-08	2.49E-06	1.31E-06
2063	494961.06, 3859551.99	1.77E-02	5.60E-06	2.37E-06	9.34E-03	2.95E-06	1.25E-06	1.09E-03	3.45E-07	1.98E-08	1.12E-03	3.53E-07	2.68E-08	2.38E-06	1.26E-06
2064	495011.06, 3859551.99	1.73E-02	5.46E-06	2.32E-06	9.13E-03	2.88E-06	1.22E-06	1.09E-03	3.43E-07	1.97E-08	1.11E-03	3.51E-07	2.66E-08	2.32E-06	1.23E-06
2065	495061.06, 3859551.99	1.70E-02	5.37E-06	2.28E-06	8.97E-03	2.83E-06	1.20E-06	1.07E-03	3.39E-07	1.95E-08	1.10E-03	3.47E-07	2.64E-08	2.28E-06	1.21E-06
2066	495111.06, 3859551.99	1.68E-02	5.29E-06	2.24E-06	8.84E-03	2.79E-06	1.18E-06	1.06E-03	3.35E-07	1.93E-08	1.09E-03	3.44E-07	2.61E-08	2.25E-06	1.19E-06

2067	495161.06, 3859551.99	1.66E-02	5.23E-06	2.22E-06	8.75E-03	2.76E-06	1.17E-06	1.05E-03	3.33E-07	1.91E-08	1.08E-03	3.42E-07	2.59E-08	2.23E-06	1.18E-06
2068	495211.06, 3859551.99	1.64E-02	5.18E-06	2.20E-06	8.66E-03	2.73E-06	1.16E-06	1.05E-03	3.31E-07	1.91E-08	1.08E-03	3.40E-07	2.58E-08	2.20E-06	1.17E-06
2069	495261.06, 3859551.99	1.62E-02	5.12E-06	2.17E-06	8.57E-03	2.71E-06	1.15E-06	1.04E-03	3.28E-07	1.89E-08	1.07E-03	3.36E-07	2.55E-08	2.18E-06	1.15E-06
2070	495311.06, 3859551.99	1.61E-02	5.07E-06	2.15E-06	8.49E-03	2.68E-06	1.14E-06	1.03E-03	3.25E-07	1.87E-08	1.06E-03	3.34E-07	2.53E-08	2.16E-06	1.14E-06
2071	495361.06, 3859551.99	1.59E-02	5.03E-06	2.13E-06	8.41E-03	2.66E-06	1.13E-06	1.02E-03	3.23E-07	1.86E-08	1.05E-03	3.32E-07	2.52E-08	2.14E-06	1.13E-06
2072	495411.06, 3859551.99	1.58E-02	4.98E-06	2.12E-06	8.34E-03	2.63E-06	1.12E-06	1.02E-03	3.21E-07	1.85E-08	1.04E-03	3.30E-07	2.50E-08	2.12E-06	1.12E-06
2073	495461.06, 3859551.99	1.57E-02	4.94E-06	2.10E-06	8.27E-03	2.61E-06	1.11E-06	1.00E-03	3.17E-07	1.82E-08	1.03E-03	3.26E-07	2.47E-08	2.10E-06	1.11E-06
2074	495511.06, 3859551.99	1.55E-02	4.89E-06	2.08E-06	8.18E-03	2.58E-06	1.10E-06	9.92E-04	3.13E-07	1.80E-08	1.02E-03	3.22E-07	2.44E-08	2.08E-06	1.10E-06
2075	495561.06, 3859551.99	1.54E-02	4.85E-06	2.06E-06	8.11E-03	2.56E-06	1.09E-06	9.84E-04	3.10E-07	1.79E-08	1.01E-03	3.19E-07	2.42E-08	2.06E-06	1.09E-06
2076	495611.06, 3859551.99	1.52E-02	4.81E-06	2.04E-06	8.04E-03	2.54E-06	1.08E-06	9.74E-04	3.08E-07	1.77E-08	1.00E-03	3.17E-07	2.40E-08	2.05E-06	1.08E-06
2077	495661.06, 3859551.99	1.51E-02	4.77E-06	2.02E-06	7.97E-03	2.52E-06	1.07E-06	9.65E-04	3.05E-07	1.75E-08	9.94E-04	3.14E-07	2.38E-08	2.03E-06	1.07E-06
2078	494311.06, 3859601.99	1.87E-02	5.92E-06	2.51E-06	9.98E-03	3.15E-06	1.34E-06	1.33E-03	4.19E-07	2.41E-08	1.35E-03	4.26E-07	3.23E-08	2.52E-06	1.34E-06
2079	494361.06, 3859601.99	1.88E-02	5.93E-06	2.51E-06	9.97E-03	3.15E-06	1.34E-06	1.29E-03	4.06E-07	2.34E-08	1.31E-03	4.13E-07	3.14E-08	2.52E-06	1.34E-06
2080	494411.06, 3859601.99	1.91E-02	6.02E-06	2.55E-06	1.01E-02	3.19E-06	1.35E-06	1.27E-03	3.99E-07	2.30E-08	1.29E-03	4.06E-07	3.09E-08	2.56E-06	1.36E-06
2081	494461.06, 3859601.99	1.97E-02	6.23E-06	2.64E-06	1.04E-02	3.29E-06	1.40E-06	1.26E-03	3.99E-07	2.29E-08	1.29E-03	4.06E-07	3.09E-08	2.65E-06	1.40E-06
2082	494511.06, 3859601.99	1.94E-02	6.11E-06	2.59E-06	1.02E-02	3.23E-06	1.37E-06	1.24E-03	3.91E-07	2.25E-08	1.26E-03	3.98E-07	3.02E-08	2.60E-06	1.38E-06
2083	494561.06, 3859601.99	1.89E-02	5.97E-06	2.53E-06	1.00E-02	3.16E-06	1.34E-06	1.23E-03	3.90E-07	2.24E-08	1.26E-03	3.97E-07	3.01E-08	2.54E-06	1.35E-06
2084	494611.06, 3859601.99	1.86E-02	5.88E-06	2.49E-06	9.86E-03	3.11E-06	1.32E-06	1.23E-03	3.87E-07	2.23E-08	1.25E-03	3.94E-07	2.99E-08	2.50E-06	1.33E-06
2085	494661.06, 3859601.99	1.85E-02	5.82E-06	2.47E-06	9.75E-03	3.08E-06	1.31E-06	1.20E-03	3.78E-07	2.17E-08	1.22E-03	3.85E-07	2.92E-08	2.48E-06	1.31E-06
2086	494711.06, 3859601.99	1.83E-02	5.77E-06	2.45E-06	9.66E-03	3.05E-06	1.29E-06	1.17E-03	3.71E-07	2.13E-08	1.20E-03	3.79E-07	2.87E-08	2.46E-06	1.30E-06
2087	494761.06, 3859601.99	1.81E-02	5.71E-06	2.42E-06	9.57E-03	3.02E-06	1.28E-06	1.18E-03	3.73E-07	2.15E-08	1.21E-03	3.81E-07	2.89E-08	2.43E-06	1.29E-06
2088	494811.06, 3859601.99	1.79E-02	5.66E-06	2.40E-06	9.47E-03	2.99E-06	1.27E-06	1.16E-03	3.65E-07	2.10E-08	1.18E-03	3.73E-07	2.83E-08	2.41E-06	1.28E-06
2089	494861.06, 3859601.99	1.77E-02	5.58E-06	2.37E-06	9.34E-03	2.95E-06	1.25E-06	1.15E-03	3.62E-07	2.08E-08	1.17E-03	3.69E-07	2.80E-08	2.37E-06	1.26E-06
2090	494911.06, 3859601.99	1.74E-02	5.49E-06	2.33E-06	9.20E-03	2.90E-06	1.23E-06	1.13E-03	3.56E-07	2.05E-08	1.15E-03	3.64E-07	2.76E-08	2.34E-06	1.24E-06
2091	494961.06, 3859601.99	1.71E-02	5.41E-06	2.30E-06	9.07E-03	2.86E-06	1.22E-06	1.13E-03	3.55E-07	2.04E-08	1.15E-03	3.63E-07	2.76E-08	2.30E-06	1.22E-06
2092	495011.06, 3859601.99	1.69E-02	5.34E-06	2.27E-06	8.95E-03	2.83E-06	1.20E-06	1.11E-03	3.50E-07	2.01E-08	1.13E-03	3.58E-07	2.71E-08	2.27E-06	1.21E-06
2093	495061.06, 3859601.99	1.67E-02	5.28E-06	2.24E-06	8.85E-03	2.79E-06	1.19E-06	1.10E-03	3.48E-07	2.00E-08	1.13E-03	3.56E-07	2.70E-08	2.25E-06	1.19E-06
2094	495111.06, 3859601.99	1.65E-02	5.22E-06	2.22E-06	8.76E-03	2.76E-06	1.17E-06	1.09E-03	3.44E-07	1.98E-08	1.11E-03	3.52E-07	2.67E-08	2.22E-06	1.18E-06
2095	495161.06, 3859601.99	1.64E-02	5.17E-06	2.19E-06	8.67E-03	2.74E-06	1.16E-06	1.08E-03	3.42E-07	1.96E-08	1.11E-03	3.50E-07	2.66E-08	2.20E-06	1.17E-06
2096	495211.06, 3859601.99	1.62E-02	5.12E-06	2.17E-06	8.59E-03	2.71E-06	1.15E-06	1.07E-03	3.39E-07	1.95E-08	1.10E-03	3.47E-07	2.64E-08	2.18E-06	1.16E-06
2097	495261.06, 3859601.99	1.61E-02	5.07E-06	2.15E-06	8.51E-03	2.69E-06	1.14E-06	1.07E-03	3.37E-07	1.94E-08	1.09E-03	3.45E-07	2.62E-08	2.16E-06	1.15E-06
2098	495311.06, 3859601.99	1.59E-02	5.03E-06	2.13E-06	8.44E-03	2.66E-06	1.13E-06	1.06E-03	3.35E-07	1.93E-08	1.09E-03	3.43E-07	2.60E-08	2.14E-06	1.14E-06
2099	495361.06, 3859601.99	1.58E-02	4.98E-06	2.11E-06	8.36E-03	2.64E-06	1.12E-06	1.05E-03	3.32E-07	1.91E-08	1.08E-03	3.40E-07	2.58E-08	2.12E-06	1.13E-06
2100	495411.06, 3859601.99	1.56E-02	4.94E-06	2.10E-06	8.29E-03	2.62E-06	1.11E-06	1.04E-03	3.30E-07	1.90E-08	1.07E-03	3.38E-07	2.57E-08	2.10E-06	1.12E-06
2101	495461.06, 3859601.99	1.55E-02	4.89E-06	2.08E-06	8.21E-03	2.59E-06	1.10E-06	1.03E-03	3.25E-07	1.87E-08	1.06E-03	3.33E-07	2.53E-08	2.08E-06	1.11E-06
2102	495511.06, 3859601.99	1.53E-02	4.84E-06	2.06E-06	8.12E-03	2.56E-06	1.09E-06	1.01E-03	3.20E-07	1.84E-08	1.04E-03	3.29E-07	2.49E-08	2.06E-06	1.09E-06
2103	495561.06, 3859601.99	1.52E-02	4.81E-06	2.04E-06	8.07E-03	2.55E-06	1.08E-06	1.01E-03	3.19E-07	1.83E-08	1.04E-03	3.28E-07	2.49E-08	2.05E-06	1.09E-06
2104	495611.06, 3859601.99	1.51E-02	4.76E-06	2.02E-06	7.99E-03	2.52E-06	1.07E-06	9.95E-04	3.14E-07	1.81E-08	1.02E-03	3.23E-07	2.45E-08	2.03E-06	1.08E-06
2105	495661.06, 3859601.99	1.50E-02	4.72E-06	2.00E-06	7.92E-03	2.50E-06	1.06E-06	9.88E-04	3.12E-07	1.79E-08	1.02E-03	3.21E-07	2.44E-08	2.01E-06	1.07E-06
2106	494311.06, 3859651.99	1.85E-02	5.85E-06	2.48E-06	9.89E-03	3.12E-06	1.32E-06	1.35E-03	4.26E-07	2.45E-08	1.37E-03	4.33E-07	3.29E-08	2.49E-06	1.33E-06
2107	494361.06, 3859651.99	1.85E-02	5.85E-06	2.48E-06	9.87E-03	3.12E-06	1.32E-06	1.31E-03	4.14E-07	2.38E-08	1.34E-03	4.21E-07	3.20E-08	2.49E-06	1.33E-06
2108	494411.06, 3859651.99	1.88E-02	5.93E-06	2.52E-06	9.99E-03	3.15E-06	1.34E-06	1.30E-03	4.09E-07	2.35E-08	1.32E-03	4.16E-07	3.16E-08	2.53E-06	1.35E-06
2109	494461.06, 3859651.99	1.94E-02	6.12E-06	2.60E-06	1.03E-02	3.24E-06	1.38E-06	1.29E-03	4.08E-07	2.35E-08	1.32E-03	4.16E-07	3.16E-08	2.61E-06	1.38E-06
2110	494511.06, 3859651.99	1.89E-02	5.97E-06	2.53E-06	1.00E-02	3.16E-06	1.34E-06	1.28E-03	4.03E-07	2.32E-08	1.30E-03	4.10E-07	3.11E-08	2.54E-06	1.35E-06
2111	494561.06, 3859651.99	1.83E-02	5.79E-06	2.46E-06	9.75E-03	3.08E-06	1.31E-06	1.27E-03	3.99E-07	2.30E-08	1.29E-03	4.06E-07	3.09E-08	2.46E-06	1.31E-06
2112	494611.06, 3859651.99	1.80E-02	5.69E-06	2.41E-06	9.58E-03	3.02E-06	1.28E-06	1.25E-03	3.96E-07	2.27E-08	1.28E-03	4.03E-07	3.06E-08	2.42E-06	1.29E-06
2113	494661.06, 3859651.99	1.78E-02	5.61E-06	2.38E-06	9.44E-03	2.98E-06	1.26E-06	1.22E-03	3.85E-07	2.21E-08	1.24E-03	3.92E-07	2.98E-08	2.39E-06	1.27E-06
2114	494711.06, 3859651.99	1.76E-02	5.55E-06	2.36E-06	9.34E-03	2.95E-06	1.25E-06	1.21E-03	3.81E-07	2.19E-08	1.23E-03	3.89E-07	2.95E-08	2.36E-06	1.26E-06
2115	494761.06, 3859651.99	1.74E-02	5.50E-06	2.33E-06	9.26E-03	2.92E-06	1.24E-06	1.20E-03	3.80E-07	2.19E-08	1.23E-03	3.88E-07	2.94E-08	2.34E-06	1.25E-06
2116	494811.06, 3859651.99	1.73E-02	5.45E-06	2.31E-06	9.16E-03	2.89E-06	1.23E-06	1.19E-03	3.75E-07	2.16E-08	1.21E-03	3.82E-07	2.90E-08	2.32E-06	1.23E-06
2117	494861.06, 3859651.99	1.71E-02	5.39E-06	2.29E-06	9.07E-03	2.86E-06	1.21E-06	1.18E-03	3.71E-07	2.14E-08	1.20E-03	3.79E-07	2.88E-08	2.29E-06	1.22E-06
2118	494911.06, 3859651.99	1.69E-02	5.33E-06	2.26E-06	8.97E-03	2.83E-06	1.20E-06	1.16E-03	3.67E-07	2.11E-08	1.19E-03	3.75E-07	2.84E-08	2.27E-06	1.21E-06
2119	494961.06, 3859651.99	1.67E-02	5.28E-06	2.24E-06	8.89E-03	2.81E-06	1.19E-06	1.15E-03	3.64E-07	2.09E-08	1.18E-03	3.71E-07	2.82E-08	2.25E-06	1.20E-06
2120	495011.06, 3859651.99	1.66E-02	5.23E-06	2.22E-06	8.81E-03	2.78E-06	1.18E-06	1.14E-03	3.60E-07	2.07E-08	1.17E-03	3.68E-07	2.79E-08	2.23E-06	1.19E-06
2121	495061.06, 3859651.99	1.64E-02	5.18E-06	2.20E-06	8.72E-03	2.75E-06	1.17E-06	1.13E-03	3.57E-07	2.06E-08	1.16E-03	3.65E-07	2.77E-08	2.21E-06	1.18E-06
2122	495111.06, 3859651.99	1.63E-02	5.13E-06	2.18E-06	8.64E-03	2.73E-06	1.16E-06	1.12E-03	3.54E-07	2.03E-08	1.14E-03	3.61E-07	2.74E-08	2.19E-06	1.16E-06
2123	495161.06, 3859651.99	1.61E-02	5.09E-06	2.16E-06	8.56E-03	2.70E-06	1.15E-06	1.11E-03	3.51E-07	2.02E-08	1.14E-03	3.59E-07	2.72E-08	2.17E-06	1.15E-06
2124	495211.06, 3859651.99	1.60E-02	5.04E-06	2.14E-06	8.49E-03	2.68E-06	1.14E-06	1.10E-03	3.48E-07	2.00E-08	1.13E-03	3.56E-07	2.70E-08	2.15E-06	1.14E-06
2125	495261.06, 3859651.99	1.58E-02	5.00E-06	2.12E-06	8.42E-03	2.66E-06	1.13E-06	1.09E-03	3.45E-07	1.98E-08	1.12E-03	3.53E-07	2.68E-08	2.13E-06	1.13E-06
2126	495311.06, 3859651.99	1.57E-02	4.96E-06	2.11E-06	8.35E-03	2.64E-06	1.12E-06	1.09E-03	3.43E-07	1.97E-08	1.11E-03	3.50E-07	2.66E-08	2.11E-06	1.13E-06
2127	495361.06, 3859651.99	1.56E-02	4.92E-06	2.09E-06	8.28E-03	2.61E-06	1.11E-06	1.08E-03	3.40E-07	1.96E-08	1.10E-03	3.48E-07	2.64E-08	2.09E-06	1.12E-06
2128	495411.06, 3859651.99	1.55E-02	4.88E-06	2.07E-06	8.22E-03	2.59E-06	1.10E-06	1.07E-03	3.37E-07	1.94E-08	1.09E-03	3.45E-07	2.62E-08	2.08E-06	1.11E-06
2129	495461.06, 3859651.99	1.53E-02	4.84E-06	2.05E-06	8.15E-03	2.57E-06	1.09E-06	1.05E-03	3.32E-07	1.91E-08	1.08E-03	3.41E-07	2.58E-08	2.06E-06	1.10E-06
2130	495511.06, 3859651.99	1.52E-02	4.80E-06	2.04E-06	8.07E-03	2.55E-06	1.08E-06	1.04E-03	3.28E-07	1.89E-08	1.07E-03	3.37E-07	2.56E-08	2.04E-06	1.09E-06
2131	495561.06, 3859651.99	1.51E-02	4.76E-06	2.02E-06	8.00E-03	2.53E-06	1.07E-06	1.03E-03	3.26E-07	1.87E-08	1.06E-03	3.34E-07	2.54E-08	2.03E-06	1.08E-06
2132	495611.06, 3859651.99	1.50E-02	4.72E-06	2.00E-06	7.94E-03	2.51E-06	1.06E-06	1.02E-03	3.23E-07	1.86E-08	1.05E-03	3.32E-07	2.52E-08	2.01E-06	1.07E-06
2133	495661.06, 3859651.99	1.48E-02	4.68E-06	1.99E-06	7.87E-03	2.48E-06	1.05E-06	1.01E-03	3.19E-07	1.84E-08	1.04E-03	3.28E-07	2.49E-08	1.99E-06	1.06E-06
2134	494311.06, 3859701.99	1.83E-02	5.77E-06	2.45E-06	9.77E-03	3.08E-06	1.31E-06	1.35E-03	4.25E-07	2.45E-08	1.37E-03	4.33E-07	3.28E-08	2.46E-06	1.32E-06
2135	494361.06, 3859701.99	1.83E-02	5.77E-06	2.45E-06	9.76E-03	3.08E-06	1.31E-06	1.33E-03	4.20E-07	2.42E-08	1.35E-03	4.28E-07	3.25E-08	2.46E-06	1.32E-06
2136	494411.06, 3859701.99	1.85E-02	5.85E-06	2.48E-06	9.87E-03	3.12E-06	1.32E-06	1.32E-03	4.17E-07	2.40E-08	1.35E-03	4.25E-07	3.22E-08	2.49E-06	1.33E-06
2137	494461.06, 3859701.99	1.87E-02	5.89E-06	2.50E-06	9.94E-03	3.14E-06	1.33E-06	1.32E-03	4.18E-07	2.40E-08	1.35E-03	4.25E-07	3.23E-08	2.51E-06	1.34E-06
2138	494511.06, 3859701.99	1.86E-02	5.87E-06	2.49E-06	9.90E-03	3.13E-06	1.33E-06	1.31E-03	4.13E-07	2.37E-08	1.33E-03	4.20E-07	3.19E-08	2.50E-06	1.33E-06
2139	494561.06, 3859701.99	1.80E-02	5.69E-06	2.41E-06	9.61E-03	3.03E-06	1.29E-06	1.30E-03	4.09E-07	2.35E-08	1.32E-03	4.17E-07	3.16E-08	2.42E-06	1.30E-06
2140	494611.06, 3859701.99	1.77E-02	5.59E-06	2.37E-06	9.44E-03	2.98E-06	1.26E-06	1.29E-03	4.06E-07	2.33E-08	1.31E-03	4.13E-07	3.14E-08	2.38E-06	1.27E-06
2141	494661.06, 3859701.99	1.75E-02	5.51E-06	2.34E-06	9.31E-03	2.94E-06	1.25E-06	1.25E-03	3.95E-07	2.27E-08	1.27E-03	4.02E-07	3.05E-08	2.35E-06	1.25E-06
2142	494711.06, 3859701.99	1.73E-02	5.45E-06	2.31E-06	9.20E-03	2.90E-06	1.23E-06	1.25E-03	3.93E-07	2.26E-08	1.27E-03	4.00E-07	3.04E-08	2.32E-06	1.24E-06
2143	494761.06, 3859701.99	1.71E-02	5.39E-06	2.29E-06	9.11E-03	2.87E-06	1.22E-06	1.23E-03	3.88E-07	2.23E-08	1.25E-03	3.95E-07	3.00E-08	2.29E-06	1.23E-06
2144	494811.06, 3859701.99	1.69E-02	5.34E-06	2.26E-06	9.01E-03	2.84E-06	1.21E-06	1.21E-03	3.83E-07	2.20E-08	1.24E-03	3.90E-07	2.96E-08	2.27E-06	1.21E-06
2145	494861.06, 3859701.99	1.67E-02	5.28E-06	2.24E-06	8.93E-03	2.82E-06	1.20E-06	1.21E-03	3.81E-07	2.19E-08	1.23E-03	3.89E-07	2.95E-08	2.25E-06	1.20E-06
2146	494911.06, 3859701.99	1.66E-02	5.23E-06	2.22E-06	8.84E-03	2.79E-06	1.18E-06	1.20E-03	3.77E-07	2.17E-08	1.22E-03	3.84E-07	2.92E-08	2.23E-06	1.19E-06
2147	494961.06, 3859701.99	1.64E-02	5.19E-06	2.20E-06	8.76E-03	2.77E-06	1.17E-06	1.18E-03	3.73E-07	2.14E-08	1.20E-03	3.80E-07	2.89E-08	2.21E-06	1.18E-06
2148	495011.06, 3859701.99	1.63E-02	5.14E-06	2.18E-06	8.68E-03	2.74E-06	1.16E-06	1.17E-03	3.70E-07	2.13E-08	1.20E-03	3.78E-07	2.87E-08	2.19E-06	1.17E-06
2149	495061.06, 3859701.99	1.61E-02	5.09E-06	2.16E-06	8.61E-03	2.72E-06	1.15E-06	1.16E-03	3.67E-07	2.11E-08	1.19E-03	3.75E-07	2.84E-08	2.17E-06	1.16E-06
2150	495111.06, 3859701.99	1.60E-02	5.05E-06	2.14E-06	8.54E-03	2.69E-06	1.14E-06	1.15E-03	3.63E-07	2.09E-08	1.18E-03	3.71E-07	2.82E-08	2.15E-06	1.15E-06
2151	495161.06, 3859701.99	1.59E-02	5.01E-06	2.13E-06	8.46E-03	2.67E-06	1.13E-06	1.14E-03	3.59E-07	2.07E-08	1.16E-03	3.67E-07	2.79E-08	2.13E-06	1.14E-06
2152	495211.06, 3859701.99	1.57E-02	4.97E-06	2.11E-06	8.39E-03	2.65E-06	1.12E-06	1.13E-03	3.55E-07	2.04E-08	1.15E-03	3.63E-07	2.76E-08	2.12E-06	1.13E-06
2153	495261.06, 3859701.99	1.56E-02	4.93E-06	2.09E-06	8.32E-03	2.63E-06	1.11E-06	1.12E-03	3.54E-07	2.04E-08	1.15E-03	3.62E-07	2.75E-08	2.10E-06	1.12E-06
2154	495311.06, 3859701.99	1.55E-02	4.89E-06	2.07E-06	8.26E-03	2.61E-06	1.11E-06	1.11E-03	3.51E-07	2.02E-08	1.14E-03	3.59E-07	2.72E-08	2.08E-06	1.11E-06
2155	495361.06, 3859701.99	1.54E-02	4.85E-06	2.06E-06	8.19E-03	2.59E-06	1.10E-06	1.10E-03	3.48E-07	2.00E-08	1.13E-03	3.55E-07	2.70E-08	2.07E-06	1.10E-06
2156	495411.06, 3859701.99	1.52E-02	4.81E-06	2.04E-06	8.12E-03	2.56E-06	1.09E-06	1.09E-03	3.43E-07	1.97E-08	1.11E-03	3.51E-07	2.67E-08	2.05E-06	1.09E-06

2157	495461.06, 3859701.99	1.51E-02	4.77E-06	2.03E-06	8.06E-03	2.54E-06	1.08E-06	1.08E-03	3.40E-07	1.95E-08	1.10E-03	3.48E-07	2.64E-08	2.03E-06	1.09E-06
2158	495511.06, 3859701.99	1.50E-02	4.74E-06	2.01E-06	7.99E-03	2.52E-06	1.07E-06	1.06E-03	3.34E-07	1.92E-08	1.09E-03	3.43E-07	2.60E-08	2.02E-06	1.08E-06
2159	495561.06, 3859701.99	1.49E-02	4.70E-06	2.00E-06	7.94E-03	2.51E-06	1.06E-06	1.06E-03	3.34E-07	1.92E-08	1.08E-03	3.42E-07	2.60E-08	2.00E-06	1.07E-06
2160	495611.06, 3859701.99	1.48E-02	4.67E-06	1.98E-06	7.88E-03	2.49E-06	1.05E-06	1.05E-03	3.31E-07	1.90E-08	1.07E-03	3.39E-07	2.57E-08	1.99E-06	1.06E-06
2161	495661.06, 3859701.99	1.47E-02	4.63E-06	1.96E-06	7.81E-03	2.47E-06	1.05E-06	1.04E-03	3.27E-07	1.88E-08	1.06E-03	3.36E-07	2.55E-08	1.97E-06	1.05E-06
2162	494311.06, 3859751.99	1.80E-02	5.69E-06	2.41E-06	9.67E-03	3.05E-06	1.30E-06	1.39E-03	4.38E-07	2.52E-08	1.41E-03	4.46E-07	3.38E-08	2.42E-06	1.30E-06
2163	494361.06, 3859751.99	1.80E-02	5.69E-06	2.41E-06	9.66E-03	3.05E-06	1.29E-06	1.37E-03	4.33E-07	2.49E-08	1.40E-03	4.40E-07	3.34E-08	2.42E-06	1.30E-06
2164	494411.06, 3859751.99	1.83E-02	5.76E-06	2.45E-06	9.76E-03	3.08E-06	1.31E-06	1.35E-03	4.26E-07	2.45E-08	1.38E-03	4.34E-07	3.30E-08	2.45E-06	1.32E-06
2165	494461.06, 3859751.99	1.84E-02	5.81E-06	2.47E-06	9.84E-03	3.11E-06	1.32E-06	1.35E-03	4.26E-07	2.45E-08	1.37E-03	4.34E-07	3.29E-08	2.48E-06	1.33E-06
2166	494511.06, 3859751.99	1.83E-02	5.78E-06	2.45E-06	9.79E-03	3.09E-06	1.31E-06	1.34E-03	4.24E-07	2.44E-08	1.37E-03	4.32E-07	3.28E-08	2.46E-06	1.32E-06
2167	494561.06, 3859751.99	1.78E-02	5.60E-06	2.38E-06	9.50E-03	3.00E-06	1.27E-06	1.33E-03	4.19E-07	2.41E-08	1.35E-03	4.27E-07	3.24E-08	2.39E-06	1.28E-06
2168	494611.06, 3859751.99	1.74E-02	5.50E-06	2.33E-06	9.32E-03	2.94E-06	1.25E-06	1.31E-03	4.13E-07	2.38E-08	1.33E-03	4.21E-07	3.19E-08	2.34E-06	1.26E-06
2169	494661.06, 3859751.99	1.72E-02	5.42E-06	2.30E-06	9.18E-03	2.90E-06	1.23E-06	1.28E-03	4.03E-07	2.32E-08	1.30E-03	4.11E-07	3.12E-08	2.31E-06	1.24E-06
2170	494711.06, 3859751.99	1.70E-02	5.35E-06	2.27E-06	9.08E-03	2.87E-06	1.22E-06	1.28E-03	4.03E-07	2.32E-08	1.30E-03	4.11E-07	3.12E-08	2.28E-06	1.22E-06
2171	494761.06, 3859751.99	1.68E-02	5.30E-06	2.25E-06	8.98E-03	2.84E-06	1.20E-06	1.27E-03	4.00E-07	2.30E-08	1.29E-03	4.08E-07	3.09E-08	2.25E-06	1.21E-06
2172	494811.06, 3859751.99	1.66E-02	5.24E-06	2.22E-06	8.89E-03	2.81E-06	1.19E-06	1.25E-03	3.95E-07	2.27E-08	1.27E-03	4.02E-07	3.05E-08	2.23E-06	1.20E-06
2173	494861.06, 3859751.99	1.65E-02	5.19E-06	2.20E-06	8.81E-03	2.78E-06	1.18E-06	1.24E-03	3.91E-07	2.25E-08	1.26E-03	3.99E-07	3.03E-08	2.21E-06	1.19E-06
2174	494911.06, 3859751.99	1.63E-02	5.15E-06	2.18E-06	8.73E-03	2.75E-06	1.17E-06	1.23E-03	3.88E-07	2.23E-08	1.25E-03	3.95E-07	3.00E-08	2.19E-06	1.18E-06
2175	494961.06, 3859751.99	1.62E-02	5.10E-06	2.16E-06	8.65E-03	2.73E-06	1.16E-06	1.22E-03	3.84E-07	2.21E-08	1.24E-03	3.92E-07	2.97E-08	2.17E-06	1.17E-06
2176	495011.06, 3859751.99	1.60E-02	5.06E-06	2.15E-06	8.57E-03	2.71E-06	1.15E-06	1.20E-03	3.80E-07	2.19E-08	1.23E-03	3.88E-07	2.94E-08	2.15E-06	1.16E-06
2177	495061.06, 3859751.99	1.59E-02	5.01E-06	2.13E-06	8.50E-03	2.68E-06	1.14E-06	1.20E-03	3.78E-07	2.17E-08	1.22E-03	3.85E-07	2.92E-08	2.13E-06	1.15E-06
2178	495111.06, 3859751.99	1.57E-02	4.97E-06	2.11E-06	8.43E-03	2.66E-06	1.13E-06	1.18E-03	3.74E-07	2.15E-08	1.21E-03	3.81E-07	2.89E-08	2.12E-06	1.14E-06
2179	495161.06, 3859751.99	1.56E-02	4.93E-06	2.09E-06	8.36E-03	2.64E-06	1.12E-06	1.17E-03	3.70E-07	2.13E-08	1.20E-03	3.78E-07	2.87E-08	2.10E-06	1.13E-06
2180	495211.06, 3859751.99	1.55E-02	4.89E-06	2.08E-06	8.29E-03	2.62E-06	1.11E-06	1.16E-03	3.66E-07	2.10E-08	1.18E-03	3.74E-07	2.83E-08	2.08E-06	1.12E-06
2181	495261.06, 3859751.99	1.54E-02	4.85E-06	2.06E-06	8.23E-03	2.60E-06	1.10E-06	1.15E-03	3.63E-07	2.09E-08	1.18E-03	3.71E-07	2.82E-08	2.07E-06	1.11E-06
2182	495311.06, 3859751.99	1.53E-02	4.82E-06	2.04E-06	8.16E-03	2.58E-06	1.09E-06	1.14E-03	3.59E-07	2.07E-08	1.16E-03	3.67E-07	2.79E-08	2.05E-06	1.10E-06
2183	495361.06, 3859751.99	1.51E-02	4.78E-06	2.03E-06	8.10E-03	2.56E-06	1.08E-06	1.13E-03	3.56E-07	2.05E-08	1.15E-03	3.64E-07	2.76E-08	2.03E-06	1.09E-06
2184	495411.06, 3859751.99	1.50E-02	4.74E-06	2.01E-06	8.04E-03	2.54E-06	1.08E-06	1.12E-03	3.53E-07	2.03E-08	1.14E-03	3.61E-07	2.74E-08	2.02E-06	1.08E-06
2185	495461.06, 3859751.99	1.49E-02	4.71E-06	2.00E-06	7.97E-03	2.52E-06	1.07E-06	1.10E-03	3.49E-07	2.00E-08	1.13E-03	3.57E-07	2.71E-08	2.00E-06	1.07E-06
2186	495511.06, 3859751.99	1.48E-02	4.67E-06	1.98E-06	7.91E-03	2.50E-06	1.06E-06	1.09E-03	3.44E-07	1.98E-08	1.11E-03	3.52E-07	2.67E-08	1.99E-06	1.07E-06
2187	495561.06, 3859751.99	1.47E-02	4.64E-06	1.97E-06	7.85E-03	2.48E-06	1.05E-06	1.08E-03	3.41E-07	1.96E-08	1.11E-03	3.49E-07	2.65E-08	1.97E-06	1.06E-06
2188	495611.06, 3859751.99	1.46E-02	4.60E-06	1.95E-06	7.79E-03	2.46E-06	1.04E-06	1.07E-03	3.38E-07	1.95E-08	1.10E-03	3.46E-07	2.63E-08	1.96E-06	1.05E-06
2189	495661.06, 3859751.99	1.45E-02	4.57E-06	1.94E-06	7.73E-03	2.44E-06	1.04E-06	1.06E-03	3.36E-07	1.93E-08	1.09E-03	3.44E-07	2.61E-08	1.95E-06	1.04E-06
2190	494311.06, 3859801.99	1.78E-02	5.61E-06	2.38E-06	9.57E-03	3.02E-06	1.28E-06	1.43E-03	4.51E-07	2.59E-08	1.45E-03	4.59E-07	3.48E-08	2.39E-06	1.29E-06
2191	494361.06, 3859801.99	1.78E-02	5.60E-06	2.38E-06	9.55E-03	3.01E-06	1.28E-06	1.40E-03	4.43E-07	2.55E-08	1.43E-03	4.51E-07	3.43E-08	2.39E-06	1.29E-06
2192	494411.06, 3859801.99	1.80E-02	5.68E-06	2.41E-06	9.65E-03	3.04E-06	1.29E-06	1.38E-03	4.35E-07	2.50E-08	1.41E-03	4.44E-07	3.37E-08	2.42E-06	1.30E-06
2193	494461.06, 3859801.99	1.82E-02	5.75E-06	2.44E-06	9.76E-03	3.08E-06	1.31E-06	1.38E-03	4.35E-07	2.50E-08	1.40E-03	4.43E-07	3.36E-08	2.45E-06	1.32E-06
2194	494511.06, 3859801.99	1.80E-02	5.69E-06	2.41E-06	9.67E-03	3.05E-06	1.29E-06	1.38E-03	4.35E-07	2.50E-08	1.40E-03	4.43E-07	3.36E-08	2.42E-06	1.30E-06
2195	494561.06, 3859801.99	1.75E-02	5.52E-06	2.34E-06	9.39E-03	2.96E-06	1.26E-06	1.36E-03	4.30E-07	2.47E-08	1.39E-03	4.38E-07	3.32E-08	2.35E-06	1.27E-06
2196	494611.06, 3859801.99	1.72E-02	5.42E-06	2.30E-06	9.21E-03	2.91E-06	1.23E-06	1.33E-03	4.21E-07	2.42E-08	1.36E-03	4.29E-07	3.26E-08	2.31E-06	1.24E-06
2197	494661.06, 3859801.99	1.69E-02	5.33E-06	2.26E-06	9.08E-03	2.87E-06	1.22E-06	1.32E-03	4.16E-07	2.39E-08	1.34E-03	4.24E-07	3.22E-08	2.27E-06	1.22E-06
2198	494711.06, 3859801.99	1.67E-02	5.27E-06	2.24E-06	8.97E-03	2.83E-06	1.20E-06	1.30E-03	4.10E-07	2.36E-08	1.32E-03	4.18E-07	3.17E-08	2.24E-06	1.21E-06
2199	494761.06, 3859801.99	1.65E-02	5.21E-06	2.21E-06	8.87E-03	2.80E-06	1.19E-06	1.30E-03	4.10E-07	2.36E-08	1.32E-03	4.18E-07	3.17E-08	2.22E-06	1.20E-06
2200	494811.06, 3859801.99	1.63E-02	5.16E-06	2.19E-06	8.79E-03	2.77E-06	1.18E-06	1.28E-03	4.05E-07	2.33E-08	1.31E-03	4.13E-07	3.13E-08	2.20E-06	1.18E-06
2201	494861.06, 3859801.99	1.62E-02	5.11E-06	2.17E-06	8.70E-03	2.75E-06	1.16E-06	1.27E-03	4.02E-07	2.31E-08	1.30E-03	4.10E-07	3.11E-08	2.18E-06	1.17E-06
2202	494911.06, 3859801.99	1.60E-02	5.06E-06	2.15E-06	8.62E-03	2.72E-06	1.15E-06	1.26E-03	3.97E-07	2.28E-08	1.28E-03	4.04E-07	3.07E-08	2.16E-06	1.16E-06
2203	494961.06, 3859801.99	1.59E-02	5.02E-06	2.13E-06	8.54E-03	2.70E-06	1.14E-06	1.25E-03	3.93E-07	2.26E-08	1.27E-03	4.01E-07	3.04E-08	2.14E-06	1.15E-06
2204	495011.06, 3859801.99	1.58E-02	4.98E-06	2.11E-06	8.47E-03	2.67E-06	1.13E-06	1.23E-03	3.90E-07	2.24E-08	1.26E-03	3.97E-07	3.01E-08	2.12E-06	1.14E-06
2205	495061.06, 3859801.99	1.56E-02	4.93E-06	2.09E-06	8.40E-03	2.65E-06	1.12E-06	1.22E-03	3.86E-07	2.22E-08	1.25E-03	3.94E-07	2.99E-08	2.10E-06	1.13E-06
2206	495111.06, 3859801.99	1.55E-02	4.89E-06	2.08E-06	8.33E-03	2.63E-06	1.12E-06	1.21E-03	3.82E-07	2.20E-08	1.23E-03	3.89E-07	2.96E-08	2.08E-06	1.12E-06
2207	495161.06, 3859801.99	1.54E-02	4.85E-06	2.06E-06	8.26E-03	2.61E-06	1.11E-06	1.20E-03	3.78E-07	2.17E-08	1.22E-03	3.85E-07	2.92E-08	2.07E-06	1.11E-06
2208	495211.06, 3859801.99	1.53E-02	4.82E-06	2.04E-06	8.20E-03	2.59E-06	1.10E-06	1.19E-03	3.75E-07	2.16E-08	1.21E-03	3.83E-07	2.91E-08	2.05E-06	1.10E-06
2209	495261.06, 3859801.99	1.51E-02	4.78E-06	2.03E-06	8.13E-03	2.57E-06	1.09E-06	1.17E-03	3.71E-07	2.13E-08	1.20E-03	3.79E-07	2.87E-08	2.03E-06	1.10E-06
2210	495311.06, 3859801.99	1.50E-02	4.74E-06	2.01E-06	8.07E-03	2.55E-06	1.08E-06	1.17E-03	3.68E-07	2.12E-08	1.19E-03	3.76E-07	2.85E-08	2.02E-06	1.09E-06
2211	495361.06, 3859801.99	1.49E-02	4.70E-06	2.00E-06	8.00E-03	2.53E-06	1.07E-06	1.15E-03	3.64E-07	2.10E-08	1.18E-03	3.72E-07	2.83E-08	2.00E-06	1.08E-06
2212	495411.06, 3859801.99	1.48E-02	4.67E-06	1.98E-06	7.94E-03	2.51E-06	1.06E-06	1.14E-03	3.60E-07	2.07E-08	1.17E-03	3.68E-07	2.80E-08	1.99E-06	1.07E-06
2213	495461.06, 3859801.99	1.47E-02	4.64E-06	1.97E-06	7.88E-03	2.49E-06	1.06E-06	1.13E-03	3.57E-07	2.05E-08	1.16E-03	3.65E-07	2.77E-08	1.98E-06	1.06E-06
2214	495511.06, 3859801.99	1.46E-02	4.60E-06	1.95E-06	7.82E-03	2.47E-06	1.05E-06	1.12E-03	3.53E-07	2.03E-08	1.14E-03	3.61E-07	2.74E-08	1.96E-06	1.05E-06
2215	495561.06, 3859801.99	1.45E-02	4.57E-06	1.94E-06	7.76E-03	2.45E-06	1.04E-06	1.11E-03	3.50E-07	2.01E-08	1.13E-03	3.58E-07	2.71E-08	1.95E-06	1.05E-06
2216	495611.06, 3859801.99	1.44E-02	4.53E-06	1.92E-06	7.70E-03	2.43E-06	1.03E-06	1.10E-03	3.48E-07	2.00E-08	1.13E-03	3.56E-07	2.70E-08	1.93E-06	1.04E-06
2217	495661.06, 3859801.99	1.43E-02	4.50E-06	1.91E-06	7.65E-03	2.41E-06	1.02E-06	1.09E-03	3.44E-07	1.98E-08	1.11E-03	3.52E-07	2.67E-08	1.92E-06	1.03E-06
2218	494311.06, 3859851.99	1.75E-02	5.52E-06	2.34E-06	9.45E-03	2.98E-06	1.27E-06	1.46E-03	4.61E-07	2.65E-08	1.49E-03	4.70E-07	3.57E-08	2.35E-06	1.27E-06
2219	494361.06, 3859851.99	1.75E-02	5.51E-06	2.34E-06	9.43E-03	2.98E-06	1.26E-06	1.44E-03	4.55E-07	2.62E-08	1.47E-03	4.64E-07	3.52E-08	2.35E-06	1.27E-06
2220	494411.06, 3859851.99	1.77E-02	5.58E-06	2.37E-06	9.53E-03	3.01E-06	1.28E-06	1.42E-03	4.48E-07	2.58E-08	1.45E-03	4.56E-07	3.46E-08	2.38E-06	1.28E-06
2221	494461.06, 3859851.99	1.79E-02	5.65E-06	2.40E-06	9.62E-03	3.04E-06	1.29E-06	1.40E-03	4.43E-07	2.55E-08	1.43E-03	4.51E-07	3.42E-08	2.41E-06	1.30E-06
2222	494511.06, 3859851.99	1.78E-02	5.62E-06	2.38E-06	9.57E-03	3.02E-06	1.28E-06	1.40E-03	4.41E-07	2.53E-08	1.42E-03	4.49E-07	3.41E-08	2.39E-06	1.29E-06
2223	494561.06, 3859851.99	1.72E-02	5.43E-06	2.30E-06	9.28E-03	2.93E-06	1.24E-06	1.39E-03	4.40E-07	2.53E-08	1.42E-03	4.48E-07	3.40E-08	2.31E-06	1.25E-06
2224	494611.06, 3859851.99	1.69E-02	5.33E-06	2.26E-06	9.10E-03	2.87E-06	1.22E-06	1.36E-03	4.30E-07	2.47E-08	1.39E-03	4.38E-07	3.33E-08	2.27E-06	1.23E-06
2225	494661.06, 3859851.99	1.66E-02	5.25E-06	2.23E-06	8.97E-03	2.83E-06	1.20E-06	1.36E-03	4.28E-07	2.46E-08	1.38E-03	4.36E-07	3.31E-08	2.24E-06	1.21E-06
2226	494711.06, 3859851.99	1.64E-02	5.19E-06	2.20E-06	8.86E-03	2.80E-06	1.19E-06	1.33E-03	4.21E-07	2.42E-08	1.36E-03	4.29E-07	3.25E-08	2.21E-06	1.19E-06
2227	494761.06, 3859851.99	1.62E-02	5.13E-06	2.18E-06	8.76E-03	2.77E-06	1.17E-06	1.33E-03	4.20E-07	2.41E-08	1.35E-03	4.28E-07	3.25E-08	2.18E-06	1.18E-06
2228	494811.06, 3859851.99	1.61E-02	5.08E-06	2.15E-06	8.68E-03	2.74E-06	1.16E-06	1.32E-03	4.15E-07	2.39E-08	1.34E-03	4.23E-07	3.21E-08	2.16E-06	1.17E-06
2229	494861.06, 3859851.99	1.59E-02	5.03E-06	2.13E-06	8.60E-03	2.71E-06	1.15E-06	1.31E-03	4.13E-07	2.37E-08	1.33E-03	4.20E-07	3.19E-08	2.14E-06	1.16E-06
2230	494911.06, 3859851.99	1.58E-02	4.98E-06	2.11E-06	8.52E-03	2.69E-06	1.14E-06	1.29E-03	4.07E-07	2.34E-08	1.32E-03	4.15E-07	3.15E-08	2.12E-06	1.15E-06
2231	494961.06, 3859851.99	1.57E-02	4.94E-06	2.10E-06	8.44E-03	2.67E-06	1.13E-06	1.28E-03	4.04E-07	2.32E-08	1.30E-03	4.12E-07	3.12E-08	2.10E-06	1.14E-06
2232	495011.06, 3859851.99	1.55E-02	4.89E-06	2.08E-06	8.37E-03	2.64E-06	1.12E-06	1.27E-03	4.00E-07	2.30E-08	1.29E-03	4.08E-07	3.09E-08	2.08E-06	1.13E-06
2233	495061.06, 3859851.99	1.54E-02	4.86E-06	2.06E-06	8.30E-03	2.62E-06	1.11E-06	1.26E-03	3.97E-07	2.28E-08	1.28E-03	4.04E-07	3.07E-08	2.07E-06	1.12E-06
2234	495111.06, 3859851.99	1.53E-02	4.81E-06	2.04E-06	8.23E-03	2.60E-06	1.10E-06	1.24E-03	3.92E-07	2.25E-08	1.27E-03	3.99E-07	3.03E-08	2.05E-06	1.11E-06
2235	495161.06, 3859851.99	1.51E-02	4.78E-06	2.03E-06	8.16E-03	2.58E-06	1.09E-06	1.23E-03	3.88E-07	2.23E-08	1.25E-03	3.96E-07	3.00E-08	2.04E-06	1.10E-06
2236	495211.06, 3859851.99	1.50E-02	4.74E-06	2.01E-06	8.10E-03	2.56E-06	1.08E-06	1.22E-03	3.84E-07	2.21E-08	1.24E-03	3.92E-07	2.98E-08	2.02E-06	1.09E-06
2237	495261.06, 3859851.99	1.49E-02	4.70E-06	2.00E-06	8.03E-03	2.53E-06	1.08E-06	1.20E-03	3.80E-07	2.19E-08	1.23E-03	3.88E-07	2.94E-08	2.00E-06	1.08E-06
2238	495311.06, 3859851.99	1.48E-02	4.67E-06	1.98E-06	7.97E-03	2.52E-06	1.07E-06	1.20E-03	3.77E-07	2.17E-08	1.22E-03	3.85E-07	2.92E-08	1.99E-06	1.08E-06
2239	495361.06, 3859851.99	1.47E-02	4.63E-06	1.97E-06	7.91E-03	2.50E-06	1.06E-06	1.18E-03	3.74E-07	2.15E-08	1.21E-03	3.82E-07	2.90E-08	1.97E-06	1.07E-06
2240	495411.06, 3859851.99	1.46E-02	4.60E-06	1.95E-06	7.85E-03	2.48E-06	1.05E-06	1.17E-03	3.70E-07	2.13E-08	1.20E-03	3.78E-07	2.87E-08	1.96E-06	1.06E-06
2241	495461.06, 3859851.99	1.45E-02	4.57E-06	1.94E-06	7.79E-03	2.46E-06	1.04E-06	1.16E-03	3.66E-07	2.10E-08	1.18E-03	3.74E-07	2.83E-08	1.94E-06	1.05E-06
2242	495511.06, 3859851.99	1.44E-02	4.54E-06	1.92E-06	7.73E-03	2.44E-06	1.04E-06	1.15E-03	3.61E-07	2.08E-08	1.17E-03	3.69E-07	2.80E-08	1.93E-06	1.04E-06
2243	495561.06, 3859851.99	1.43E-02	4.50E-06	1.91E-06	7.68E-03	2.42E-06	1.03E-06	1.14E-03	3.59E-07	2.06E-08	1.16E-03	3.67E-07	2.78E-08	1.92E-06	1.03E-06
2244	495611.06, 3859851.99	1.42E-02	4.47E-06	1.90E-06	7.62E-03	2.41E-06	1.02E-06	1.13E-03	3.56E-07	2.05E-08	1.15E-03	3.64E-07	2.76E-08	1.90E-06	1.03E-06
2245	495661.06, 3859851.99	1.41E-02	4.44E-06	1.88E-06	7.56E-03	2.39E-06	1.01E-06	1.12E-03	3.53E-07	2.03E-08	1.14E-03	3.61E-07	2.74E-08	1.89E-06	1.02E-06
2246	494311.06, 3859901.99	1.72E-02	5.43E-06	2.31E-06	9.34E-03	2.95E-06	1.25E-06	1.49E-03	4.72E-07	2.71E-08	1.52E-03	4.81E-07	3.65E-08	2.31E-06	1.26E-06

2247	494361.06, 3859901.99	1.72E-02	5.43E-06	2.30E-06	9.32E-03	2.94E-06	1.25E-06	1.46E-03	4.62E-07	2.66E-08	1.49E-03	4.71E-07	3.58E-08	2.31E-06	1.26E-06
2248	494411.06, 3859901.99	1.74E-02	5.50E-06	2.33E-06	9.42E-03	2.97E-06	1.26E-06	1.45E-03	4.59E-07	2.64E-08	1.48E-03	4.68E-07	3.55E-08	2.34E-06	1.27E-06
2249	494461.06, 3859901.99	1.76E-02	5.55E-06	2.36E-06	9.49E-03	3.00E-06	1.27E-06	1.44E-03	4.54E-07	2.61E-08	1.47E-03	4.63E-07	3.51E-08	2.36E-06	1.28E-06
2250	494511.06, 3859901.99	1.76E-02	5.54E-06	2.35E-06	9.47E-03	2.99E-06	1.27E-06	1.43E-03	4.50E-07	2.59E-08	1.45E-03	4.59E-07	3.48E-08	2.36E-06	1.28E-06
2251	494561.06, 3859901.99	1.69E-02	5.35E-06	2.27E-06	9.17E-03	2.89E-06	1.23E-06	1.43E-03	4.51E-07	2.59E-08	1.46E-03	4.60E-07	3.49E-08	2.28E-06	1.24E-06
2252	494611.06, 3859901.99	1.66E-02	5.25E-06	2.23E-06	9.00E-03	2.84E-06	1.21E-06	1.40E-03	4.41E-07	2.53E-08	1.42E-03	4.49E-07	3.41E-08	2.24E-06	1.21E-06
2253	494661.06, 3859901.99	1.64E-02	5.17E-06	2.19E-06	8.87E-03	2.80E-06	1.19E-06	1.39E-03	4.40E-07	2.53E-08	1.42E-03	4.48E-07	3.40E-08	2.20E-06	1.20E-06
2254	494711.06, 3859901.99	1.62E-02	5.11E-06	2.17E-06	8.76E-03	2.76E-06	1.17E-06	1.36E-03	4.30E-07	2.47E-08	1.39E-03	4.38E-07	3.33E-08	2.18E-06	1.18E-06
2255	494761.06, 3859901.99	1.60E-02	5.05E-06	2.14E-06	8.66E-03	2.73E-06	1.16E-06	1.36E-03	4.29E-07	2.47E-08	1.38E-03	4.37E-07	3.32E-08	2.15E-06	1.17E-06
2256	494811.06, 3859901.99	1.58E-02	4.99E-06	2.12E-06	8.57E-03	2.71E-06	1.15E-06	1.35E-03	4.27E-07	2.45E-08	1.38E-03	4.35E-07	3.30E-08	2.13E-06	1.16E-06
2257	494861.06, 3859901.99	1.57E-02	4.94E-06	2.10E-06	8.49E-03	2.68E-06	1.14E-06	1.34E-03	4.24E-07	2.44E-08	1.37E-03	4.32E-07	3.28E-08	2.11E-06	1.15E-06
2258	494911.06, 3859901.99	1.55E-02	4.90E-06	2.08E-06	8.41E-03	2.66E-06	1.13E-06	1.33E-03	4.18E-07	2.41E-08	1.35E-03	4.26E-07	3.23E-08	2.09E-06	1.14E-06
2259	494961.06, 3859901.99	1.54E-02	4.86E-06	2.06E-06	8.34E-03	2.63E-06	1.12E-06	1.31E-03	4.15E-07	2.39E-08	1.34E-03	4.23E-07	3.21E-08	2.07E-06	1.12E-06
2260	495011.06, 3859901.99	1.53E-02	4.82E-06	2.04E-06	8.27E-03	2.61E-06	1.11E-06	1.30E-03	4.10E-07	2.36E-08	1.32E-03	4.18E-07	3.17E-08	2.05E-06	1.12E-06
2261	495061.06, 3859901.99	1.51E-02	4.78E-06	2.03E-06	8.20E-03	2.59E-06	1.10E-06	1.29E-03	4.06E-07	2.33E-08	1.31E-03	4.14E-07	3.14E-08	2.03E-06	1.11E-06
2262	495111.06, 3859901.99	1.50E-02	4.74E-06	2.01E-06	8.13E-03	2.57E-06	1.09E-06	1.27E-03	4.01E-07	2.31E-08	1.30E-03	4.09E-07	3.10E-08	2.02E-06	1.10E-06
2263	495161.06, 3859901.99	1.49E-02	4.70E-06	2.00E-06	8.06E-03	2.55E-06	1.08E-06	1.26E-03	3.97E-07	2.28E-08	1.28E-03	4.04E-07	3.07E-08	2.00E-06	1.09E-06
2264	495211.06, 3859901.99	1.48E-02	4.67E-06	1.98E-06	8.00E-03	2.53E-06	1.07E-06	1.25E-03	3.94E-07	2.26E-08	1.27E-03	4.01E-07	3.05E-08	1.99E-06	1.08E-06
2265	495261.06, 3859901.99	1.47E-02	4.63E-06	1.96E-06	7.94E-03	2.50E-06	1.06E-06	1.23E-03	3.89E-07	2.24E-08	1.26E-03	3.96E-07	3.01E-08	1.97E-06	1.07E-06
2266	495311.06, 3859901.99	1.46E-02	4.59E-06	1.95E-06	7.87E-03	2.48E-06	1.05E-06	1.22E-03	3.86E-07	2.22E-08	1.25E-03	3.94E-07	2.99E-08	1.96E-06	1.06E-06
2267	495361.06, 3859901.99	1.44E-02	4.56E-06	1.93E-06	7.81E-03	2.47E-06	1.05E-06	1.21E-03	3.82E-07	2.20E-08	1.23E-03	3.89E-07	2.96E-08	1.94E-06	1.05E-06
2268	495411.06, 3859901.99	1.44E-02	4.53E-06	1.92E-06	7.76E-03	2.45E-06	1.04E-06	1.20E-03	3.78E-07	2.17E-08	1.22E-03	3.85E-07	2.92E-08	1.93E-06	1.05E-06
2269	495461.06, 3859901.99	1.42E-02	4.50E-06	1.91E-06	7.70E-03	2.43E-06	1.03E-06	1.18E-03	3.74E-07	2.15E-08	1.21E-03	3.82E-07	2.90E-08	1.92E-06	1.04E-06
2270	495511.06, 3859901.99	1.41E-02	4.46E-06	1.89E-06	7.64E-03	2.41E-06	1.02E-06	1.17E-03	3.71E-07	2.13E-08	1.20E-03	3.79E-07	2.87E-08	1.90E-06	1.03E-06
2271	495561.06, 3859901.99	1.40E-02	4.43E-06	1.88E-06	7.58E-03	2.39E-06	1.02E-06	1.17E-03	3.68E-07	2.12E-08	1.19E-03	3.76E-07	2.85E-08	1.89E-06	1.02E-06
2272	495611.06, 3859901.99	1.39E-02	4.40E-06	1.87E-06	7.53E-03	2.38E-06	1.01E-06	1.15E-03	3.64E-07	2.10E-08	1.18E-03	3.72E-07	2.83E-08	1.87E-06	1.02E-06
2273	495661.06, 3859901.99	1.39E-02	4.37E-06	1.85E-06	7.48E-03	2.36E-06	1.00E-06	1.14E-03	3.60E-07	2.07E-08	1.17E-03	3.68E-07	2.80E-08	1.86E-06	1.01E-06
2274	494311.06, 3859951.99	1.70E-02	5.35E-06	2.27E-06	9.24E-03	2.92E-06	1.24E-06	1.53E-03	4.84E-07	2.78E-08	1.56E-03	4.94E-07	3.75E-08	2.28E-06	1.25E-06
2275	494361.06, 3859951.99	1.70E-02	5.35E-06	2.27E-06	9.22E-03	2.91E-06	1.24E-06	1.51E-03	4.76E-07	2.74E-08	1.54E-03	4.86E-07	3.69E-08	2.28E-06	1.24E-06
2276	494411.06, 3859951.99	1.72E-02	5.42E-06	2.30E-06	9.32E-03	2.94E-06	1.25E-06	1.49E-03	4.70E-07	2.70E-08	1.52E-03	4.80E-07	3.64E-08	2.31E-06	1.26E-06
2277	494461.06, 3859951.99	1.74E-02	5.48E-06	2.32E-06	9.40E-03	2.97E-06	1.26E-06	1.47E-03	4.65E-07	2.67E-08	1.50E-03	4.74E-07	3.60E-08	2.33E-06	1.27E-06
2278	494511.06, 3859951.99	1.73E-02	5.47E-06	2.32E-06	9.38E-03	2.96E-06	1.26E-06	1.46E-03	4.61E-07	2.65E-08	1.49E-03	4.71E-07	3.57E-08	2.33E-06	1.27E-06
2279	494561.06, 3859951.99	1.67E-02	5.27E-06	2.24E-06	9.08E-03	2.87E-06	1.22E-06	1.47E-03	4.63E-07	2.66E-08	1.50E-03	4.72E-07	3.59E-08	2.25E-06	1.23E-06
2280	494611.06, 3859951.99	1.64E-02	5.17E-06	2.19E-06	8.91E-03	2.81E-06	1.19E-06	1.44E-03	4.53E-07	2.61E-08	1.47E-03	4.63E-07	3.51E-08	2.20E-06	1.20E-06
2281	494661.06, 3859951.99	1.61E-02	5.09E-06	2.16E-06	8.77E-03	2.77E-06	1.17E-06	1.43E-03	4.53E-07	2.60E-08	1.46E-03	4.62E-07	3.50E-08	2.17E-06	1.18E-06
2282	494711.06, 3859951.99	1.59E-02	5.03E-06	2.13E-06	8.66E-03	2.73E-06	1.16E-06	1.41E-03	4.44E-07	2.55E-08	1.43E-03	4.52E-07	3.43E-08	2.14E-06	1.17E-06
2283	494761.06, 3859951.99	1.57E-02	4.97E-06	2.11E-06	8.56E-03	2.70E-06	1.15E-06	1.40E-03	4.41E-07	2.54E-08	1.42E-03	4.49E-07	3.41E-08	2.12E-06	1.16E-06
2284	494811.06, 3859951.99	1.56E-02	4.91E-06	2.09E-06	8.47E-03	2.67E-06	1.13E-06	1.38E-03	4.37E-07	2.51E-08	1.41E-03	4.46E-07	3.38E-08	2.09E-06	1.14E-06
2285	494861.06, 3859951.99	1.54E-02	4.86E-06	2.06E-06	8.39E-03	2.65E-06	1.12E-06	1.38E-03	4.35E-07	2.50E-08	1.41E-03	4.44E-07	3.37E-08	2.07E-06	1.13E-06
2286	494911.06, 3859951.99	1.53E-02	4.82E-06	2.04E-06	8.31E-03	2.62E-06	1.11E-06	1.36E-03	4.29E-07	2.47E-08	1.39E-03	4.37E-07	3.32E-08	2.05E-06	1.12E-06
2287	494961.06, 3859951.99	1.51E-02	4.78E-06	2.03E-06	8.24E-03	2.60E-06	1.10E-06	1.34E-03	4.24E-07	2.44E-08	1.37E-03	4.32E-07	3.28E-08	2.04E-06	1.11E-06
2288	495011.06, 3859951.99	1.50E-02	4.74E-06	2.01E-06	8.17E-03	2.58E-06	1.09E-06	1.33E-03	4.20E-07	2.41E-08	1.35E-03	4.28E-07	3.25E-08	2.02E-06	1.10E-06
2289	495061.06, 3859951.99	1.49E-02	4.70E-06	1.99E-06	8.10E-03	2.56E-06	1.08E-06	1.32E-03	4.16E-07	2.39E-08	1.34E-03	4.24E-07	3.22E-08	2.00E-06	1.09E-06
2290	495111.06, 3859951.99	1.48E-02	4.66E-06	1.98E-06	8.03E-03	2.53E-06	1.07E-06	1.30E-03	4.10E-07	2.36E-08	1.33E-03	4.18E-07	3.18E-08	1.99E-06	1.08E-06
2291	495161.06, 3859951.99	1.46E-02	4.62E-06	1.96E-06	7.96E-03	2.51E-06	1.07E-06	1.28E-03	4.05E-07	2.33E-08	1.31E-03	4.14E-07	3.14E-08	1.97E-06	1.07E-06
2292	495211.06, 3859951.99	1.45E-02	4.59E-06	1.95E-06	7.90E-03	2.49E-06	1.06E-06	1.27E-03	4.01E-07	2.31E-08	1.30E-03	4.09E-07	3.10E-08	1.96E-06	1.07E-06
2293	495261.06, 3859951.99	1.44E-02	4.55E-06	1.93E-06	7.83E-03	2.47E-06	1.05E-06	1.26E-03	3.97E-07	2.28E-08	1.28E-03	4.05E-07	3.07E-08	1.94E-06	1.06E-06
2294	495311.06, 3859951.99	1.43E-02	4.52E-06	1.92E-06	7.78E-03	2.46E-06	1.04E-06	1.25E-03	3.95E-07	2.27E-08	1.28E-03	4.03E-07	3.06E-08	1.93E-06	1.05E-06
2295	495361.06, 3859951.99	1.42E-02	4.49E-06	1.90E-06	7.72E-03	2.44E-06	1.03E-06	1.24E-03	3.92E-07	2.25E-08	1.27E-03	3.99E-07	3.03E-08	1.91E-06	1.04E-06
2296	495411.06, 3859951.99	1.41E-02	4.45E-06	1.89E-06	7.66E-03	2.42E-06	1.03E-06	1.23E-03	3.87E-07	2.23E-08	1.25E-03	3.95E-07	3.00E-08	1.90E-06	1.03E-06
2297	495461.06, 3859951.99	1.40E-02	4.42E-06	1.88E-06	7.61E-03	2.40E-06	1.02E-06	1.21E-03	3.83E-07	2.20E-08	1.24E-03	3.91E-07	2.97E-08	1.89E-06	1.03E-06
2298	495511.06, 3859951.99	1.39E-02	4.39E-06	1.86E-06	7.55E-03	2.38E-06	1.01E-06	1.20E-03	3.79E-07	2.18E-08	1.23E-03	3.87E-07	2.94E-08	1.87E-06	1.02E-06
2299	495561.06, 3859951.99	1.38E-02	4.36E-06	1.85E-06	7.50E-03	2.37E-06	1.00E-06	1.20E-03	3.78E-07	2.17E-08	1.22E-03	3.85E-07	2.92E-08	1.86E-06	1.01E-06
2300	495611.06, 3859951.99	1.37E-02	4.33E-06	1.84E-06	7.45E-03	2.35E-06	9.97E-07	1.18E-03	3.73E-07	2.15E-08	1.21E-03	3.81E-07	2.89E-08	1.85E-06	1.00E-06
2301	495661.06, 3859951.99	1.36E-02	4.30E-06	1.83E-06	7.39E-03	2.33E-06	9.90E-07	1.17E-03	3.69E-07	2.12E-08	1.19E-03	3.77E-07	2.86E-08	1.83E-06	9.97E-07
2302	494311.06, 3860001.99	1.68E-02	5.30E-06	2.25E-06	9.18E-03	2.90E-06	1.23E-06	1.57E-03	4.95E-07	2.85E-08	1.60E-03	5.06E-07	3.84E-08	2.26E-06	1.24E-06
2303	494361.06, 3860001.99	1.68E-02	5.31E-06	2.25E-06	9.20E-03	2.90E-06	1.23E-06	1.55E-03	4.89E-07	2.82E-08	1.58E-03	5.00E-07	3.80E-08	2.26E-06	1.24E-06
2304	494411.06, 3860001.99	1.70E-02	5.38E-06	2.28E-06	9.28E-03	2.93E-06	1.24E-06	1.52E-03	4.81E-07	2.77E-08	1.56E-03	4.91E-07	3.73E-08	2.29E-06	1.25E-06
2305	494461.06, 3860001.99	1.73E-02	5.47E-06	2.32E-06	9.42E-03	2.97E-06	1.26E-06	1.51E-03	4.77E-07	2.74E-08	1.54E-03	4.87E-07	3.70E-08	2.33E-06	1.27E-06
2306	494511.06, 3860001.99	1.73E-02	5.45E-06	2.31E-06	9.36E-03	2.96E-06	1.25E-06	1.49E-03	4.71E-07	2.71E-08	1.52E-03	4.81E-07	3.65E-08	2.32E-06	1.26E-06
2307	494561.06, 3860001.99	1.65E-02	5.22E-06	2.22E-06	9.03E-03	2.85E-06	1.21E-06	1.51E-03	4.75E-07	2.73E-08	1.54E-03	4.85E-07	3.68E-08	2.23E-06	1.22E-06
2308	494611.06, 3860001.99	1.62E-02	5.10E-06	2.17E-06	8.83E-03	2.79E-06	1.18E-06	1.48E-03	4.68E-07	2.69E-08	1.51E-03	4.78E-07	3.63E-08	2.17E-06	1.19E-06
2309	494661.06, 3860001.99	1.59E-02	5.01E-06	2.13E-06	8.68E-03	2.74E-06	1.16E-06	1.47E-03	4.65E-07	2.67E-08	1.50E-03	4.74E-07	3.60E-08	2.14E-06	1.17E-06
2310	494711.06, 3860001.99	1.57E-02	4.95E-06	2.10E-06	8.56E-03	2.70E-06	1.15E-06	1.43E-03	4.52E-07	2.60E-08	1.46E-03	4.61E-07	3.50E-08	2.11E-06	1.16E-06
2311	494761.06, 3860001.99	1.55E-02	4.88E-06	2.07E-06	8.46E-03	2.67E-06	1.13E-06	1.43E-03	4.52E-07	2.60E-08	1.46E-03	4.62E-07	3.50E-08	2.08E-06	1.14E-06
2312	494811.06, 3860001.99	1.53E-02	4.83E-06	2.05E-06	8.37E-03	2.64E-06	1.12E-06	1.42E-03	4.49E-07	2.58E-08	1.45E-03	4.59E-07	3.48E-08	2.06E-06	1.13E-06
2313	494861.06, 3860001.99	1.51E-02	4.78E-06	2.03E-06	8.29E-03	2.62E-06	1.11E-06	1.42E-03	4.47E-07	2.57E-08	1.44E-03	4.56E-07	3.46E-08	2.04E-06	1.12E-06
2314	494911.06, 3860001.99	1.50E-02	4.74E-06	2.01E-06	8.20E-03	2.59E-06	1.10E-06	1.38E-03	4.36E-07	2.51E-08	1.41E-03	4.45E-07	3.38E-08	2.02E-06	1.11E-06
2315	494961.06, 3860001.99	1.49E-02	4.69E-06	1.99E-06	8.13E-03	2.56E-06	1.09E-06	1.37E-03	4.34E-07	2.49E-08	1.40E-03	4.43E-07	3.36E-08	2.00E-06	1.10E-06
2316	495011.06, 3860001.99	1.48E-02	4.66E-06	1.98E-06	8.06E-03	2.54E-06	1.08E-06	1.36E-03	4.29E-07	2.47E-08	1.38E-03	4.37E-07	3.32E-08	1.99E-06	1.09E-06
2317	495061.06, 3860001.99	1.46E-02	4.62E-06	1.96E-06	7.99E-03	2.52E-06	1.07E-06	1.35E-03	4.26E-07	2.45E-08	1.38E-03	4.35E-07	3.30E-08	1.97E-06	1.08E-06
2318	495111.06, 3860001.99	1.45E-02	4.58E-06	1.94E-06	7.93E-03	2.50E-06	1.06E-06	1.33E-03	4.21E-07	2.42E-08	1.36E-03	4.29E-07	3.26E-08	1.95E-06	1.07E-06
2319	495161.06, 3860001.99	1.44E-02	4.54E-06	1.93E-06	7.86E-03	2.48E-06	1.05E-06	1.32E-03	4.16E-07	2.39E-08	1.34E-03	4.24E-07	3.22E-08	1.94E-06	1.06E-06
2320	495211.06, 3860001.99	1.43E-02	4.51E-06	1.91E-06	7.80E-03	2.46E-06	1.05E-06	1.31E-03	4.13E-07	2.38E-08	1.34E-03	4.21E-07	3.20E-08	1.92E-06	1.05E-06
2321	495261.06, 3860001.99	1.42E-02	4.48E-06	1.90E-06	7.74E-03	2.44E-06	1.04E-06	1.30E-03	4.09E-07	2.35E-08	1.32E-03	4.17E-07	3.16E-08	1.91E-06	1.04E-06
2322	495311.06, 3860001.99	1.41E-02	4.44E-06	1.89E-06	7.68E-03	2.42E-06	1.03E-06	1.28E-03	4.05E-07	2.33E-08	1.31E-03	4.13E-07	3.14E-08	1.89E-06	1.04E-06
2323	495361.06, 3860001.99	1.40E-02	4.41E-06	1.87E-06	7.62E-03	2.41E-06	1.02E-06	1.26E-03	3.99E-07	2.29E-08	1.29E-03	4.07E-07	3.09E-08	1.88E-06	1.03E-06
2324	495411.06, 3860001.99	1.39E-02	4.38E-06	1.86E-06	7.57E-03	2.39E-06	1.01E-06	1.26E-03	3.98E-07	2.29E-08	1.28E-03	4.05E-07	3.08E-08	1.87E-06	1.02E-06
2325	495461.06, 3860001.99	1.38E-02	4.35E-06	1.85E-06	7.51E-03	2.37E-06	1.01E-06	1.25E-03	3.94E-07	2.26E-08	1.27E-03	4.01E-07	3.05E-08	1.85E-06	1.01E-06
2326	495511.06, 3860001.99	1.37E-02	4.32E-06	1.83E-06	7.46E-03	2.35E-06	9.99E-07	1.23E-03	3.90E-07	2.24E-08	1.26E-03	3.98E-07	3.02E-08	1.84E-06	1.01E-06
2327	495561.06, 3860001.99	1.36E-02	4.29E-06	1.82E-06	7.41E-03	2.34E-06	9.92E-07	1.23E-03	3.88E-07	2.23E-08	1.25E-03	3.96E-07	3.00E-08	1.83E-06	1.00E-06
2328	495611.06, 3860001.99	1.35E-02	4.26E-06	1.81E-06	7.36E-03	2.32E-06	9.85E-07	1.21E-03	3.83E-07	2.20E-08	1.24E-03	3.91E-07	2.97E-08	1.82E-06	9.93E-07
2329	495661.06, 3860001.99	1.34E-02	4.24E-06	1.80E-06	7.31E-03	2.31E-06	9.79E-07	1.20E-03	3.79E-07	2.18E-08	1.22E-03	3.86E-07	2.93E-08	1.80E-06	9.86E-07
2330	494411.06, 3860051.99	1.91E-02	6.01E-06	2.55E-06	1.03E-02	3.25E-06	1.38E-06	1.57E-03	4.95E-07	2.85E-08	1.60E-03	5.06E-07	3.84E-08	2.56E-06	1.39E-06
2331	494461.06, 3860051.99	1.88E-02	5.92E-06	2.51E-06	1.01E-02	3.20E-06	1.36E-06	1.55E-03	4.89E-07	2.81E-08	1.58E-03	5.00E-07	3.79E-08	2.52E-06	1.37E-06
2332	494511.06, 3860051.99	1.72E-02	5.44E-06	2.31E-06	9.37E-03	2.96E-06	1.26E-06	1.53E-03	4.84E-07	2.78E-08	1.57E-03	4.94E-07	3.75E-08	2.32E-06	1.26E-06
2333	494561.06, 3860051.99	1.63E-02	5.15E-06	2.18E-06	8.93E-03	2.82E-06	1.20E-06	1.53E-03	4.84E-07	2.78E-08	1.57E-03	4.95E-07	3.75E-08	2.19E-06	1.21E-06
2334	494611.06, 3860051.99	1.59E-02	5.01E-06	2.12E-06	8.71E-03	2.75E-06	1.17E-06	1.52E-03	4.81E-07	2.77E-08	1.56E-03	4.91E-07	3.73E-08	2.13E-06	1.18E-06
2335	494661.06, 3860051.99	1.56E-02	4.92E-06	2.09E-06	8.56E-03	2.70E-06	1.15E-06	1.51E-03	4.77E-07	2.74E-08	1.54E-03	4.87E-07	3.70E-08	2.10E-06	1.16E-06
2336	494711.06, 3860051.99	1.54E-02	4.86E-06	2.06E-06	8.45E-03	2.67E-06	1.13E-06	1.48E-03	4.68E-07	2.69E-08	1.51E-03	4.78E-07	3.63E-08	2.07E-06	1.14E-06

2337	494761.06, 3860051.99	1.52E-02	4.79E-06	2.03E-06	8.34E-03	2.63E-06	1.12E-06	1.47E-03	4.65E-07	2.67E-08	1.50E-03	4.74E-07	3.60E-08	2.04E-06	1.13E-06
2338	494811.06, 3860051.99	1.50E-02	4.74E-06	2.01E-06	8.26E-03	2.61E-06	1.11E-06	1.47E-03	4.64E-07	2.67E-08	1.50E-03	4.73E-07	3.59E-08	2.02E-06	1.11E-06
2339	494861.06, 3860051.99	1.49E-02	4.69E-06	1.99E-06	8.18E-03	2.58E-06	1.09E-06	1.46E-03	4.62E-07	2.66E-08	1.49E-03	4.71E-07	3.58E-08	2.00E-06	1.10E-06
2340	494911.06, 3860051.99	1.47E-02	4.65E-06	1.97E-06	8.10E-03	2.56E-06	1.08E-06	1.44E-03	4.55E-07	2.62E-08	1.47E-03	4.64E-07	3.52E-08	1.98E-06	1.09E-06
2341	494961.06, 3860051.99	1.46E-02	4.61E-06	1.96E-06	8.02E-03	2.53E-06	1.07E-06	1.42E-03	4.48E-07	2.58E-08	1.45E-03	4.57E-07	3.47E-08	1.96E-06	1.08E-06
2342	495011.06, 3860051.99	1.45E-02	4.57E-06	1.94E-06	7.95E-03	2.51E-06	1.06E-06	1.40E-03	4.42E-07	2.54E-08	1.43E-03	4.51E-07	3.42E-08	1.95E-06	1.07E-06
2343	495061.06, 3860051.99	1.44E-02	4.54E-06	1.93E-06	7.89E-03	2.49E-06	1.06E-06	1.38E-03	4.37E-07	2.51E-08	1.41E-03	4.46E-07	3.38E-08	1.93E-06	1.07E-06
2344	495111.06, 3860051.99	1.43E-02	4.50E-06	1.91E-06	7.82E-03	2.47E-06	1.05E-06	1.36E-03	4.31E-07	2.48E-08	1.39E-03	4.39E-07	3.34E-08	1.92E-06	1.06E-06
2345	495161.06, 3860051.99	1.41E-02	4.47E-06	1.89E-06	7.76E-03	2.45E-06	1.04E-06	1.35E-03	4.26E-07	2.45E-08	1.38E-03	4.35E-07	3.30E-08	1.90E-06	1.05E-06
2346	495211.06, 3860051.99	1.40E-02	4.43E-06	1.88E-06	7.70E-03	2.43E-06	1.03E-06	1.33E-03	4.21E-07	2.42E-08	1.36E-03	4.30E-07	3.26E-08	1.89E-06	1.04E-06
2347	495261.06, 3860051.99	1.39E-02	4.40E-06	1.87E-06	7.64E-03	2.41E-06	1.02E-06	1.33E-03	4.18E-07	2.41E-08	1.35E-03	4.27E-07	3.24E-08	1.88E-06	1.03E-06
2348	495311.06, 3860051.99	1.38E-02	4.37E-06	1.85E-06	7.58E-03	2.39E-06	1.02E-06	1.32E-03	4.15E-07	2.39E-08	1.34E-03	4.23E-07	3.21E-08	1.86E-06	1.02E-06
2349	495361.06, 3860051.99	1.37E-02	4.34E-06	1.84E-06	7.53E-03	2.38E-06	1.01E-06	1.30E-03	4.12E-07	2.37E-08	1.33E-03	4.20E-07	3.19E-08	1.85E-06	1.02E-06
2350	495411.06, 3860051.99	1.36E-02	4.31E-06	1.83E-06	7.47E-03	2.36E-06	1.00E-06	1.29E-03	4.08E-07	2.35E-08	1.32E-03	4.16E-07	3.16E-08	1.83E-06	1.01E-06
2351	495461.06, 3860051.99	1.35E-02	4.28E-06	1.81E-06	7.42E-03	2.34E-06	9.94E-07	1.28E-03	4.04E-07	2.32E-08	1.31E-03	4.12E-07	3.13E-08	1.82E-06	1.00E-06
2352	495511.06, 3860051.99	1.35E-02	4.25E-06	1.80E-06	7.37E-03	2.33E-06	9.87E-07	1.27E-03	4.01E-07	2.31E-08	1.30E-03	4.09E-07	3.10E-08	1.81E-06	9.95E-07
2353	495561.06, 3860051.99	1.34E-02	4.22E-06	1.79E-06	7.32E-03	2.31E-06	9.80E-07	1.26E-03	3.98E-07	2.29E-08	1.28E-03	4.05E-07	3.08E-08	1.80E-06	9.88E-07
2354	495611.06, 3860051.99	1.33E-02	4.19E-06	1.78E-06	7.27E-03	2.29E-06	9.73E-07	1.25E-03	3.93E-07	2.26E-08	1.27E-03	4.01E-07	3.05E-08	1.79E-06	9.81E-07
2355	495661.06, 3860051.99	1.32E-02	4.16E-06	1.77E-06	7.22E-03	2.28E-06	9.66E-07	1.23E-03	3.88E-07	2.23E-08	1.26E-03	3.96E-07	3.01E-08	1.77E-06	9.74E-07
2356	494411.06, 3860101.99	1.71E-02	5.40E-06	2.29E-06	9.36E-03	2.95E-06	1.25E-06	1.59E-03	5.03E-07	2.89E-08	1.63E-03	5.15E-07	3.91E-08	2.30E-06	1.26E-06
2357	494461.06, 3860101.99	1.65E-02	5.20E-06	2.21E-06	9.04E-03	2.85E-06	1.21E-06	1.59E-03	5.03E-07	2.89E-08	1.63E-03	5.14E-07	3.90E-08	2.22E-06	1.22E-06
2358	494511.06, 3860101.99	1.61E-02	5.07E-06	2.15E-06	8.83E-03	2.79E-06	1.18E-06	1.56E-03	4.94E-07	2.84E-08	1.60E-03	5.05E-07	3.84E-08	2.16E-06	1.19E-06
2359	494561.06, 3860101.99	1.57E-02	4.97E-06	2.11E-06	8.67E-03	2.74E-06	1.16E-06	1.56E-03	4.91E-07	2.83E-08	1.59E-03	5.02E-07	3.81E-08	2.12E-06	1.17E-06
2360	494611.06, 3860101.99	1.55E-02	4.88E-06	2.07E-06	8.54E-03	2.69E-06	1.14E-06	1.56E-03	4.92E-07	2.83E-08	1.59E-03	5.03E-07	3.82E-08	2.08E-06	1.15E-06
2361	494661.06, 3860101.99	1.52E-02	4.81E-06	2.04E-06	8.42E-03	2.66E-06	1.13E-06	1.55E-03	4.89E-07	2.81E-08	1.58E-03	5.00E-07	3.79E-08	2.05E-06	1.14E-06
2362	494711.06, 3860101.99	1.51E-02	4.76E-06	2.02E-06	8.32E-03	2.63E-06	1.11E-06	1.52E-03	4.81E-07	2.76E-08	1.56E-03	4.91E-07	3.73E-08	2.03E-06	1.12E-06
2363	494761.06, 3860101.99	1.49E-02	4.70E-06	1.99E-06	8.22E-03	2.60E-06	1.10E-06	1.51E-03	4.77E-07	2.74E-08	1.54E-03	4.87E-07	3.70E-08	2.00E-06	1.11E-06
2364	494811.06, 3860101.99	1.47E-02	4.65E-06	1.97E-06	8.14E-03	2.57E-06	1.09E-06	1.50E-03	4.74E-07	2.73E-08	1.53E-03	4.84E-07	3.68E-08	1.98E-06	1.10E-06
2365	494861.06, 3860101.99	1.45E-02	4.59E-06	1.95E-06	8.05E-03	2.54E-06	1.08E-06	1.51E-03	4.77E-07	2.74E-08	1.54E-03	4.87E-07	3.70E-08	1.96E-06	1.09E-06
2366	494911.06, 3860101.99	1.45E-02	4.57E-06	1.94E-06	7.99E-03	2.52E-06	1.07E-06	1.47E-03	4.63E-07	2.66E-08	1.50E-03	4.72E-07	3.59E-08	1.95E-06	1.08E-06
2367	494961.06, 3860101.99	1.43E-02	4.52E-06	1.92E-06	7.92E-03	2.50E-06	1.06E-06	1.45E-03	4.59E-07	2.64E-08	1.48E-03	4.68E-07	3.55E-08	1.93E-06	1.07E-06
2368	495011.06, 3860101.99	1.42E-02	4.49E-06	1.90E-06	7.85E-03	2.48E-06	1.05E-06	1.43E-03	4.53E-07	2.60E-08	1.46E-03	4.62E-07	3.51E-08	1.91E-06	1.06E-06
2369	495061.06, 3860101.99	1.41E-02	4.45E-06	1.89E-06	7.78E-03	2.46E-06	1.04E-06	1.42E-03	4.47E-07	2.57E-08	1.45E-03	4.56E-07	3.46E-08	1.90E-06	1.05E-06
2370	495111.06, 3860101.99	1.40E-02	4.42E-06	1.88E-06	7.72E-03	2.44E-06	1.03E-06	1.40E-03	4.41E-07	2.53E-08	1.42E-03	4.50E-07	3.41E-08	1.88E-06	1.04E-06
2371	495161.06, 3860101.99	1.39E-02	4.39E-06	1.86E-06	7.66E-03	2.42E-06	1.03E-06	1.39E-03	4.38E-07	2.52E-08	1.42E-03	4.47E-07	3.39E-08	1.87E-06	1.03E-06
2372	495211.06, 3860101.99	1.38E-02	4.36E-06	1.85E-06	7.60E-03	2.40E-06	1.02E-06	1.37E-03	4.33E-07	2.49E-08	1.40E-03	4.42E-07	3.35E-08	1.86E-06	1.03E-06
2373	495261.06, 3860101.99	1.37E-02	4.32E-06	1.83E-06	7.55E-03	2.38E-06	1.01E-06	1.36E-03	4.29E-07	2.47E-08	1.39E-03	4.38E-07	3.32E-08	1.84E-06	1.02E-06
2374	495311.06, 3860101.99	1.36E-02	4.29E-06	1.82E-06	7.49E-03	2.36E-06	1.00E-06	1.35E-03	4.25E-07	2.45E-08	1.37E-03	4.34E-07	3.29E-08	1.83E-06	1.01E-06
2375	495361.06, 3860101.99	1.35E-02	4.26E-06	1.81E-06	7.43E-03	2.35E-06	9.95E-07	1.34E-03	4.23E-07	2.43E-08	1.37E-03	4.31E-07	3.27E-08	1.82E-06	1.00E-06
2376	495411.06, 3860101.99	1.34E-02	4.23E-06	1.80E-06	7.39E-03	2.33E-06	9.89E-07	1.33E-03	4.19E-07	2.41E-08	1.35E-03	4.27E-07	3.24E-08	1.80E-06	9.97E-07
2377	495461.06, 3860101.99	1.33E-02	4.21E-06	1.78E-06	7.33E-03	2.31E-06	9.82E-07	1.31E-03	4.13E-07	2.37E-08	1.33E-03	4.21E-07	3.19E-08	1.79E-06	9.90E-07
2378	495511.06, 3860101.99	1.32E-02	4.17E-06	1.77E-06	7.28E-03	2.30E-06	9.75E-07	1.30E-03	4.10E-07	2.36E-08	1.33E-03	4.19E-07	3.18E-08	1.78E-06	9.83E-07
2379	495561.06, 3860101.99	1.31E-02	4.15E-06	1.76E-06	7.23E-03	2.28E-06	9.68E-07	1.29E-03	4.08E-07	2.35E-08	1.32E-03	4.16E-07	3.16E-08	1.77E-06	9.76E-07
2380	495611.06, 3860101.99	1.31E-02	4.12E-06	1.75E-06	7.18E-03	2.27E-06	9.61E-07	1.28E-03	4.02E-07	2.31E-08	1.30E-03	4.11E-07	3.12E-08	1.76E-06	9.69E-07
2381	495661.06, 3860101.99	1.30E-02	4.09E-06	1.74E-06	7.13E-03	2.25E-06	9.55E-07	1.26E-03	3.99E-07	2.29E-08	1.29E-03	4.07E-07	3.09E-08	1.74E-06	9.63E-07
2382	494861.06, 3860151.99	1.42E-02	4.49E-06	1.91E-06	7.94E-03	2.51E-06	1.06E-06	1.56E-03	4.93E-07	2.84E-08	1.60E-03	5.04E-07	3.82E-08	1.92E-06	1.07E-06
2383	494911.06, 3860151.99	1.42E-02	4.48E-06	1.90E-06	7.88E-03	2.49E-06	1.06E-06	1.51E-03	4.77E-07	2.74E-08	1.54E-03	4.87E-07	3.70E-08	1.91E-06	1.06E-06
2384	494961.06, 3860151.99	1.41E-02	4.44E-06	1.88E-06	7.81E-03	2.46E-06	1.05E-06	1.49E-03	4.71E-07	2.71E-08	1.52E-03	4.81E-07	3.65E-08	1.89E-06	1.06E-06
2385	495011.06, 3860151.99	1.39E-02	4.40E-06	1.87E-06	7.74E-03	2.44E-06	1.04E-06	1.47E-03	4.65E-07	2.67E-08	1.50E-03	4.75E-07	3.61E-08	1.88E-06	1.05E-06
2386	495061.06, 3860151.99	1.38E-02	4.37E-06	1.85E-06	7.68E-03	2.42E-06	1.03E-06	1.45E-03	4.59E-07	2.64E-08	1.49E-03	4.69E-07	3.56E-08	1.86E-06	1.04E-06
2387	495111.06, 3860151.99	1.37E-02	4.34E-06	1.84E-06	7.62E-03	2.41E-06	1.02E-06	1.44E-03	4.54E-07	2.61E-08	1.47E-03	4.64E-07	3.52E-08	1.85E-06	1.03E-06
2388	495161.06, 3860151.99	1.36E-02	4.31E-06	1.83E-06	7.56E-03	2.39E-06	1.01E-06	1.43E-03	4.50E-07	2.59E-08	1.46E-03	4.60E-07	3.49E-08	1.84E-06	1.02E-06
2389	495211.06, 3860151.99	1.35E-02	4.28E-06	1.81E-06	7.51E-03	2.37E-06	1.01E-06	1.41E-03	4.45E-07	2.56E-08	1.44E-03	4.54E-07	3.45E-08	1.82E-06	1.01E-06
2390	495261.06, 3860151.99	1.35E-02	4.25E-06	1.80E-06	7.45E-03	2.35E-06	9.98E-07	1.40E-03	4.42E-07	2.54E-08	1.43E-03	4.51E-07	3.42E-08	1.81E-06	1.01E-06
2391	495311.06, 3860151.99	1.33E-02	4.21E-06	1.79E-06	7.39E-03	2.33E-06	9.90E-07	1.39E-03	4.38E-07	2.52E-08	1.42E-03	4.47E-07	3.39E-08	1.80E-06	9.98E-07
2392	495361.06, 3860151.99	1.33E-02	4.18E-06	1.77E-06	7.34E-03	2.32E-06	9.83E-07	1.38E-03	4.34E-07	2.50E-08	1.40E-03	4.43E-07	3.36E-08	1.78E-06	9.91E-07
2393	495411.06, 3860151.99	1.32E-02	4.16E-06	1.76E-06	7.29E-03	2.30E-06	9.77E-07	1.36E-03	4.30E-07	2.47E-08	1.39E-03	4.39E-07	3.33E-08	1.77E-06	9.85E-07
2394	495461.06, 3860151.99	1.31E-02	4.13E-06	1.75E-06	7.24E-03	2.28E-06	9.69E-07	1.35E-03	4.26E-07	2.45E-08	1.38E-03	4.35E-07	3.30E-08	1.76E-06	9.78E-07
2395	495511.06, 3860151.99	1.30E-02	4.10E-06	1.74E-06	7.19E-03	2.27E-06	9.63E-07	1.33E-03	4.21E-07	2.42E-08	1.36E-03	4.30E-07	3.27E-08	1.75E-06	9.71E-07
2396	495561.06, 3860151.99	1.29E-02	4.08E-06	1.73E-06	7.14E-03	2.25E-06	9.56E-07	1.33E-03	4.18E-07	2.41E-08	1.35E-03	4.27E-07	3.24E-08	1.74E-06	9.65E-07
2397	495611.06, 3860151.99	1.28E-02	4.05E-06	1.72E-06	7.09E-03	2.24E-06	9.50E-07	1.31E-03	4.14E-07	2.38E-08	1.34E-03	4.22E-07	3.21E-08	1.73E-06	9.58E-07
2398	495661.06, 3860151.99	1.28E-02	4.03E-06	1.71E-06	7.04E-03	2.22E-06	9.43E-07	1.30E-03	4.09E-07	2.35E-08	1.32E-03	4.17E-07	3.17E-08	1.72E-06	9.51E-07
2399	495718.25, 3859442.96	1.52E-02	4.80E-06	2.04E-06	7.99E-03	2.52E-06	1.07E-06	9.09E-04	2.87E-07	1.65E-08	9.39E-04	2.96E-07	2.25E-08	2.04E-06	1.08E-06
2400	495818.25, 3859442.96	1.49E-02	4.71E-06	2.00E-06	7.85E-03	2.48E-06	1.05E-06	8.91E-04	2.81E-07	1.62E-08	9.22E-04	2.91E-07	2.21E-08	2.01E-06	1.06E-06
2401	495918.25, 3859442.96	1.47E-02	4.64E-06	1.97E-06	7.72E-03	2.44E-06	1.03E-06	8.79E-04	2.77E-07	1.60E-08	9.09E-04	2.87E-07	2.18E-08	1.97E-06	1.04E-06
2402	496018.25, 3859442.96	1.45E-02	4.57E-06	1.94E-06	7.61E-03	2.40E-06	1.02E-06	8.68E-04	2.74E-07	1.58E-08	8.98E-04	2.83E-07	2.15E-08	1.95E-06	1.02E-06
2403	496118.25, 3859442.96	1.43E-02	4.52E-06	1.92E-06	7.53E-03	2.38E-06	1.01E-06	8.68E-04	2.74E-07	1.58E-08	8.98E-04	2.83E-07	2.15E-08	1.92E-06	1.01E-06
2404	496218.25, 3859442.96	1.42E-02	4.47E-06	1.90E-06	7.45E-03	2.35E-06	9.98E-07	8.65E-04	2.73E-07	1.57E-08	8.96E-04	2.83E-07	2.15E-08	1.90E-06	1.00E-06
2405	496318.25, 3859442.96	1.40E-02	4.41E-06	1.87E-06	7.35E-03	2.32E-06	9.85E-07	8.57E-04	2.70E-07	1.56E-08	8.86E-04	2.80E-07	2.12E-08	1.88E-06	9.90E-07
2406	496418.25, 3859442.96	1.38E-02	4.35E-06	1.84E-06	7.25E-03	2.29E-06	9.70E-07	8.46E-04	2.67E-07	1.54E-08	8.77E-04	2.77E-07	2.10E-08	1.85E-06	9.76E-07
2407	495718.25, 3859542.96	1.50E-02	4.73E-06	2.01E-06	7.90E-03	2.49E-06	1.06E-06	9.51E-04	3.00E-07	1.73E-08	9.81E-04	3.10E-07	2.35E-08	2.01E-06	1.06E-06
2408	495818.25, 3859542.96	1.47E-02	4.65E-06	1.97E-06	7.78E-03	2.46E-06	1.04E-06	9.37E-04	2.96E-07	1.70E-08	9.66E-04	3.05E-07	2.31E-08	1.98E-06	1.05E-06
2409	495918.25, 3859542.96	1.45E-02	4.58E-06	1.94E-06	7.65E-03	2.41E-06	1.02E-06	9.20E-04	2.90E-07	1.67E-08	9.50E-04	3.00E-07	2.28E-08	1.95E-06	1.03E-06
2410	496018.25, 3859542.96	1.43E-02	4.51E-06	1.91E-06	7.53E-03	2.38E-06	1.01E-06	9.05E-04	2.86E-07	1.64E-08	9.37E-04	2.96E-07	2.24E-08	1.92E-06	1.01E-06
2411	496118.25, 3859542.96	1.41E-02	4.45E-06	1.89E-06	7.45E-03	2.35E-06	9.98E-07	9.05E-04	2.86E-07	1.64E-08	9.35E-04	2.95E-07	2.24E-08	1.90E-06	1.00E-06
2412	496218.25, 3859542.96	1.39E-02	4.40E-06	1.87E-06	7.36E-03	2.32E-06	9.86E-07	9.01E-04	2.84E-07	1.64E-08	9.30E-04	2.94E-07	2.23E-08	1.87E-06	9.92E-07
2413	496318.25, 3859542.96	1.38E-02	4.34E-06	1.84E-06	7.27E-03	2.30E-06	9.74E-07	8.94E-04	2.82E-07	1.62E-08	9.24E-04	2.92E-07	2.21E-08	1.85E-06	9.80E-07
2414	496418.25, 3859542.96	1.36E-02	4.28E-06	1.82E-06	7.17E-03	2.26E-06	9.60E-07	8.82E-04	2.78E-07	1.60E-08	9.11E-04	2.87E-07	2.18E-08	1.82E-06	9.66E-07
2415	495718.25, 3859642.96	1.47E-02	4.64E-06	1.97E-06	7.80E-03	2.46E-06	1.05E-06	9.95E-04	3.14E-07	1.81E-08	1.02E-03	3.23E-07	2.45E-08	1.98E-06	1.05E-06
2416	495818.25, 3859642.96	1.45E-02	4.57E-06	1.94E-06	7.67E-03	2.42E-06	1.03E-06	9.76E-04	3.08E-07	1.77E-08	1.01E-03	3.17E-07	2.41E-08	1.94E-06	1.03E-06
2417	495918.25, 3859642.96	1.42E-02	4.49E-06	1.91E-06	7.55E-03	2.38E-06	1.01E-06	9.63E-04	3.04E-07	1.75E-08	9.92E-04	3.13E-07	2.38E-08	1.91E-06	1.02E-06
2418	496018.25, 3859642.96	1.40E-02	4.43E-06	1.88E-06	7.44E-03	2.35E-06	9.97E-07	9.48E-04	2.99E-07	1.72E-08	9.78E-04	3.09E-07	2.34E-08	1.89E-06	1.00E-06
2419	496118.25, 3859642.96	1.39E-02	4.38E-06	1.86E-06	7.38E-03	2.33E-06	9.88E-07	9.49E-04	3.00E-07	1.72E-08	9.78E-04	3.09E-07	2.34E-08	1.87E-06	9.94E-07
2420	496218.25, 3859642.96	1.37E-02	4.33E-06	1.84E-06	7.29E-03	2.30E-06	9.76E-07	9.46E-04	2.99E-07	1.72E-08	9.74E-04	3.08E-07	2.33E-08	1.84E-06	9.82E-07
2421	496318.25, 3859642.96	1.35E-02	4.27E-06	1.81E-06	7.19E-03	2.27E-06	9.63E-07	9.34E-04	2.95E-07	1.69E-08	9.61E-04	3.03E-07	2.30E-08	1.82E-06	9.69E-07
2422	496418.25, 3859642.96	1.32E-02	4.18E-06	1.77E-06	7.03E-03	2.22E-06	9.41E-07	8.99E-04	2.84E-07	1.63E-08	9.29E-04	2.93E-07	2.22E-08	1.78E-06	9.47E-07
2423	495718.25, 3859742.96	1.44E-02	4.54E-06	1.93E-06	7.69E-03	2.43E-06	1.03E-06	1.05E-03	3.31E-07	1.90E-08	1.08E-03	3.40E-07	2.58E-08	1.94E-06	1.04E-06
2424	495818.25, 3859742.96	1.42E-02	4.48E-06	1.90E-06	7.57E-03	2.39E-06	1.01E-06	1.03E-03	3.24E-07	1.87E-08	1.05E-03	3.33E-07	2.53E-08	1.91E-06	1.02E-06
2425	495918.25, 3859742.96	1.40E-02	4.41E-06	1.87E-06	7.46E-03	2.35E-06	9.99E-07	1.01E-03	3.19E-07	1.83E-08	1.04E-03	3.28E-07	2.49E-08	1.88E-06	1.01E-06
2426	496018.25, 3859742.96	1.38E-02	4.35E-06	1.85E-06	7.35E-03	2.32E-06	9.84E-07	9.93E-04	3.13E-07	1.80E-08	1.02E-03	3.22E-07	2.44E-08	1.85E-06	9.90E-07

2427	496118.25, 3859742.96	1.36E-02	4.30E-06	1.82E-06	7.27E-03	2.29E-06	9.74E-07	9.92E-04	3.13E-07	1.80E-08	1.02E-03	3.21E-07	2.44E-08	1.83E-06	9.80E-07
2428	496218.25, 3859742.96	1.34E-02	4.24E-06	1.80E-06	7.19E-03	2.27E-06	9.62E-07	9.95E-04	3.14E-07	1.81E-08	1.02E-03	3.23E-07	2.45E-08	1.81E-06	9.69E-07
2429	496318.25, 3859742.96	1.32E-02	4.17E-06	1.77E-06	7.06E-03	2.23E-06	9.45E-07	9.60E-04	3.03E-07	1.74E-08	9.89E-04	3.12E-07	2.37E-08	1.78E-06	9.51E-07
2430	496418.25, 3859742.96	1.30E-02	4.11E-06	1.74E-06	6.93E-03	2.19E-06	9.28E-07	9.27E-04	2.93E-07	1.68E-08	9.57E-04	3.02E-07	2.29E-08	1.75E-06	9.34E-07
2431	495718.25, 3859842.96	1.40E-02	4.42E-06	1.87E-06	7.52E-03	2.37E-06	1.01E-06	1.10E-03	3.48E-07	2.00E-08	1.13E-03	3.55E-07	2.70E-08	1.88E-06	1.01E-06
2432	495818.25, 3859842.96	1.38E-02	4.35E-06	1.85E-06	7.41E-03	2.34E-06	9.93E-07	1.08E-03	3.42E-07	1.96E-08	1.11E-03	3.50E-07	2.66E-08	1.85E-06	1.00E-06
2433	495918.25, 3859842.96	1.36E-02	4.30E-06	1.82E-06	7.31E-03	2.31E-06	9.79E-07	1.06E-03	3.36E-07	1.93E-08	1.09E-03	3.44E-07	2.61E-08	1.83E-06	9.86E-07
2434	496018.25, 3859842.96	1.34E-02	4.24E-06	1.80E-06	7.22E-03	2.28E-06	9.67E-07	1.05E-03	3.32E-07	1.91E-08	1.08E-03	3.40E-07	2.58E-08	1.81E-06	9.73E-07
2435	496118.25, 3859842.96	1.32E-02	4.18E-06	1.77E-06	7.13E-03	2.25E-06	9.54E-07	1.05E-03	3.32E-07	1.91E-08	1.08E-03	3.41E-07	2.58E-08	1.78E-06	9.61E-07
2436	496218.25, 3859842.96	1.31E-02	4.13E-06	1.75E-06	7.03E-03	2.22E-06	9.41E-07	1.02E-03	3.22E-07	1.85E-08	1.05E-03	3.31E-07	2.51E-08	1.76E-06	9.48E-07
2437	496318.25, 3859842.96	1.29E-02	4.06E-06	1.72E-06	6.88E-03	2.17E-06	9.21E-07	9.62E-04	3.04E-07	1.75E-08	9.91E-04	3.13E-07	2.37E-08	1.73E-06	9.27E-07
2438	496418.25, 3859842.96	1.26E-02	3.96E-06	1.68E-06	6.71E-03	2.12E-06	8.99E-07	9.27E-04	2.93E-07	1.68E-08	9.58E-04	3.02E-07	2.30E-08	1.69E-06	9.05E-07
2439	495718.25, 3859942.96	1.36E-02	4.28E-06	1.82E-06	7.35E-03	2.32E-06	9.84E-07	1.15E-03	3.64E-07	2.10E-08	1.18E-03	3.72E-07	2.83E-08	1.82E-06	9.92E-07
2440	495818.25, 3859942.96	1.34E-02	4.23E-06	1.79E-06	7.25E-03	2.29E-06	9.71E-07	1.13E-03	3.57E-07	2.06E-08	1.16E-03	3.66E-07	2.78E-08	1.80E-06	9.78E-07
2441	495918.25, 3859942.96	1.32E-02	4.17E-06	1.77E-06	7.16E-03	2.26E-06	9.58E-07	1.12E-03	3.53E-07	2.03E-08	1.14E-03	3.61E-07	2.74E-08	1.78E-06	9.65E-07
2442	496018.25, 3859942.96	1.30E-02	4.11E-06	1.75E-06	7.06E-03	2.23E-06	9.46E-07	1.12E-03	3.52E-07	2.02E-08	1.14E-03	3.60E-07	2.73E-08	1.75E-06	9.53E-07
2443	496118.25, 3859942.96	1.29E-02	4.07E-06	1.73E-06	6.97E-03	2.20E-06	9.34E-07	1.09E-03	3.43E-07	1.97E-08	1.11E-03	3.51E-07	2.66E-08	1.73E-06	9.41E-07
2444	496218.25, 3859942.96	1.27E-02	4.02E-06	1.71E-06	6.87E-03	2.17E-06	9.20E-07	1.04E-03	3.28E-07	1.89E-08	1.07E-03	3.37E-07	2.56E-08	1.71E-06	9.27E-07
2445	496318.25, 3859942.96	1.25E-02	3.96E-06	1.68E-06	6.75E-03	2.13E-06	9.04E-07	9.98E-04	3.15E-07	1.81E-08	1.03E-03	3.24E-07	2.46E-08	1.69E-06	9.10E-07
2446	496418.25, 3859942.96	1.22E-02	3.87E-06	1.64E-06	6.57E-03	2.07E-06	8.80E-07	9.48E-04	2.99E-07	1.72E-08	9.78E-04	3.09E-07	2.34E-08	1.65E-06	8.86E-07
2447	496856.82, 3858864.83	1.30E-02	4.12E-06	1.75E-06	6.78E-03	2.14E-06	9.08E-07	6.67E-04	2.11E-07	1.21E-08	6.95E-04	2.19E-07	1.67E-08	1.75E-06	9.12E-07
2448	496956.82, 3858864.83	1.29E-02	4.06E-06	1.72E-06	6.68E-03	2.11E-06	8.95E-07	6.61E-04	2.09E-07	1.20E-08	6.89E-04	2.17E-07	1.65E-08	1.73E-06	9.00E-07
2449	497056.82, 3858864.83	1.27E-02	3.99E-06	1.69E-06	6.58E-03	2.08E-06	8.81E-07	6.55E-04	2.07E-07	1.19E-08	6.82E-04	2.15E-07	1.63E-08	1.70E-06	8.86E-07
2450	497156.82, 3858864.83	1.24E-02	3.93E-06	1.67E-06	6.47E-03	2.04E-06	8.67E-07	6.49E-04	2.05E-07	1.18E-08	6.76E-04	2.13E-07	1.62E-08	1.67E-06	8.71E-07
2451	497256.82, 3858864.83	1.23E-02	3.89E-06	1.65E-06	6.41E-03	2.02E-06	8.59E-07	6.45E-04	2.04E-07	1.17E-08	6.73E-04	2.12E-07	1.61E-08	1.65E-06	8.63E-07
2452	496856.82, 3858964.83	1.32E-02	4.16E-06	1.76E-06	6.85E-03	2.16E-06	9.18E-07	6.88E-04	2.17E-07	1.25E-08	7.17E-04	2.26E-07	1.72E-08	1.77E-06	9.23E-07
2453	496956.82, 3858964.83	1.29E-02	4.08E-06	1.73E-06	6.73E-03	2.12E-06	9.01E-07	6.78E-04	2.14E-07	1.23E-08	7.08E-04	2.24E-07	1.70E-08	1.73E-06	9.05E-07
2454	497056.82, 3858964.83	1.27E-02	4.02E-06	1.70E-06	6.63E-03	2.09E-06	8.87E-07	6.72E-04	2.12E-07	1.22E-08	7.00E-04	2.21E-07	1.68E-08	1.71E-06	8.92E-07
2455	497156.82, 3858964.83	1.25E-02	3.95E-06	1.68E-06	6.52E-03	2.06E-06	8.73E-07	6.66E-04	2.10E-07	1.21E-08	6.94E-04	2.19E-07	1.66E-08	1.68E-06	8.77E-07
2456	497256.82, 3858964.83	1.25E-02	3.94E-06	1.67E-06	6.50E-03	2.05E-06	8.71E-07	6.67E-04	2.11E-07	1.21E-08	6.95E-04	2.19E-07	1.67E-08	1.68E-06	8.76E-07
2457	496856.82, 3859064.83	1.31E-02	4.15E-06	1.76E-06	6.85E-03	2.16E-06	9.18E-07	7.03E-04	2.22E-07	1.28E-08	7.35E-04	2.32E-07	1.76E-08	1.77E-06	9.22E-07
2458	496956.82, 3859064.83	1.29E-02	4.08E-06	1.73E-06	6.74E-03	2.13E-06	9.03E-07	6.96E-04	2.20E-07	1.26E-08	7.26E-04	2.29E-07	1.74E-08	1.74E-06	9.08E-07
2459	497056.82, 3859064.83	1.27E-02	4.02E-06	1.71E-06	6.65E-03	2.10E-06	8.90E-07	6.89E-04	2.18E-07	1.25E-08	7.20E-04	2.27E-07	1.72E-08	1.71E-06	8.95E-07
2460	497156.82, 3859064.83	1.26E-02	3.97E-06	1.68E-06	6.56E-03	2.07E-06	8.78E-07	6.85E-04	2.16E-07	1.24E-08	7.13E-04	2.25E-07	1.71E-08	1.69E-06	8.83E-07
2461	497256.82, 3859064.83	1.26E-02	3.97E-06	1.68E-06	6.56E-03	2.07E-06	8.79E-07	6.89E-04	2.18E-07	1.25E-08	7.18E-04	2.27E-07	1.72E-08	1.69E-06	8.84E-07
2462	496856.82, 3859164.83	1.30E-02	4.11E-06	1.75E-06	6.81E-03	2.15E-06	9.12E-07	7.17E-04	2.26E-07	1.30E-08	7.48E-04	2.36E-07	1.79E-08	1.75E-06	9.17E-07
2463	496956.82, 3859164.83	1.28E-02	4.04E-06	1.72E-06	6.69E-03	2.11E-06	8.96E-07	7.10E-04	2.24E-07	1.29E-08	7.39E-04	2.33E-07	1.77E-08	1.72E-06	9.01E-07
2464	497056.82, 3859164.83	1.27E-02	4.00E-06	1.70E-06	6.62E-03	2.09E-06	8.87E-07	7.05E-04	2.22E-07	1.28E-08	7.35E-04	2.32E-07	1.76E-08	1.70E-06	8.92E-07
2465	497156.82, 3859164.83	1.26E-02	3.98E-06	1.69E-06	6.59E-03	2.08E-06	8.82E-07	7.05E-04	2.22E-07	1.28E-08	7.36E-04	2.32E-07	1.76E-08	1.69E-06	8.87E-07
2466	497256.82, 3859164.83	1.26E-02	3.98E-06	1.69E-06	6.60E-03	2.08E-06	8.83E-07	7.13E-04	2.25E-07	1.29E-08	7.43E-04	2.34E-07	1.78E-08	1.69E-06	8.88E-07
2467	496856.82, 3859264.83	1.29E-02	4.06E-06	1.72E-06	6.73E-03	2.12E-06	9.01E-07	7.32E-04	2.31E-07	1.33E-08	7.61E-04	2.40E-07	1.82E-08	1.73E-06	9.06E-07
2468	496956.82, 3859264.83	1.27E-02	4.02E-06	1.71E-06	6.67E-03	2.11E-06	8.93E-07	7.28E-04	2.30E-07	1.32E-08	7.57E-04	2.39E-07	1.81E-08	1.71E-06	8.98E-07
2469	497056.82, 3859264.83	1.27E-02	3.99E-06	1.69E-06	6.63E-03	2.09E-06	8.88E-07	7.28E-04	2.30E-07	1.32E-08	7.59E-04	2.40E-07	1.82E-08	1.70E-06	8.93E-07
2470	497156.82, 3859264.83	1.26E-02	3.97E-06	1.68E-06	6.59E-03	2.08E-06	8.82E-07	7.28E-04	2.30E-07	1.32E-08	7.59E-04	2.40E-07	1.82E-08	1.69E-06	8.87E-07
2471	497256.82, 3859264.83	1.25E-02	3.96E-06	1.68E-06	6.57E-03	2.07E-06	8.80E-07	7.35E-04	2.32E-07	1.33E-08	7.64E-04	2.41E-07	1.83E-08	1.68E-06	8.85E-07
2472	497088.92, 3858620.93	1.21E-02	3.83E-06	1.62E-06	6.30E-03	1.99E-06	8.43E-07	6.08E-04	1.92E-07	1.10E-08	6.33E-04	2.00E-07	1.52E-08	1.63E-06	8.47E-07
2473	497138.92, 3858620.93	1.21E-02	3.81E-06	1.62E-06	6.27E-03	1.98E-06	8.40E-07	6.06E-04	1.91E-07	1.10E-08	6.33E-04	2.00E-07	1.52E-08	1.62E-06	8.44E-07
2474	497188.92, 3858620.93	1.20E-02	3.78E-06	1.60E-06	6.22E-03	1.96E-06	8.33E-07	6.05E-04	1.91E-07	1.10E-08	6.30E-04	1.99E-07	1.51E-08	1.61E-06	8.37E-07
2475	497238.92, 3858620.93	1.19E-02	3.75E-06	1.59E-06	6.18E-03	1.95E-06	8.27E-07	6.03E-04	1.90E-07	1.09E-08	6.28E-04	1.98E-07	1.51E-08	1.60E-06	8.32E-07
2476	497088.92, 3858670.93	1.21E-02	3.82E-06	1.62E-06	6.29E-03	1.99E-06	8.43E-07	6.14E-04	1.94E-07	1.11E-08	6.40E-04	2.02E-07	1.53E-08	1.63E-06	8.47E-07
2477	497138.92, 3858670.93	1.21E-02	3.82E-06	1.62E-06	6.29E-03	1.99E-06	8.42E-07	6.14E-04	1.94E-07	1.11E-08	6.40E-04	2.02E-07	1.53E-08	1.63E-06	8.47E-07
2478	497188.92, 3858670.93	1.20E-02	3.79E-06	1.61E-06	6.24E-03	1.97E-06	8.35E-07	6.11E-04	1.93E-07	1.11E-08	6.38E-04	2.01E-07	1.53E-08	1.61E-06	8.39E-07
2479	497238.92, 3858670.93	1.20E-02	3.78E-06	1.60E-06	6.22E-03	1.96E-06	8.33E-07	6.11E-04	1.93E-07	1.11E-08	6.37E-04	2.01E-07	1.52E-08	1.61E-06	8.37E-07
2480	497088.92, 3858720.93	1.23E-02	3.89E-06	1.65E-06	6.41E-03	2.02E-06	8.58E-07	6.25E-04	1.97E-07	1.13E-08	6.51E-04	2.06E-07	1.56E-08	1.66E-06	8.62E-07
2481	497138.92, 3858720.93	1.21E-02	3.81E-06	1.62E-06	6.27E-03	1.98E-06	8.40E-07	6.17E-04	1.95E-07	1.12E-08	6.43E-04	2.03E-07	1.54E-08	1.62E-06	8.44E-07
2482	497188.92, 3858720.93	1.20E-02	3.78E-06	1.61E-06	6.23E-03	1.97E-06	8.35E-07	6.16E-04	1.94E-07	1.12E-08	6.41E-04	2.02E-07	1.54E-08	1.61E-06	8.39E-07
2483	497238.92, 3858720.93	1.21E-02	3.82E-06	1.62E-06	6.29E-03	1.98E-06	8.42E-07	6.19E-04	1.95E-07	1.12E-08	6.45E-04	2.03E-07	1.54E-08	1.62E-06	8.46E-07
2484	497088.92, 3858770.93	1.24E-02	3.91E-06	1.66E-06	6.43E-03	2.03E-06	8.61E-07	6.31E-04	1.99E-07	1.15E-08	6.59E-04	2.08E-07	1.58E-08	1.66E-06	8.66E-07
2485	497138.92, 3858770.93	1.23E-02	3.87E-06	1.64E-06	6.37E-03	2.01E-06	8.53E-07	6.28E-04	1.98E-07	1.14E-08	6.55E-04	2.07E-07	1.57E-08	1.65E-06	8.57E-07
2486	497188.92, 3858770.93	1.22E-02	3.85E-06	1.63E-06	6.34E-03	2.00E-06	8.49E-07	6.25E-04	1.97E-07	1.13E-08	6.51E-04	2.06E-07	1.56E-08	1.64E-06	8.53E-07
2487	497238.92, 3858770.93	1.22E-02	3.86E-06	1.64E-06	6.36E-03	2.01E-06	8.51E-07	6.27E-04	1.98E-07	1.14E-08	6.55E-04	2.07E-07	1.57E-08	1.64E-06	8.56E-07
2488	497396.65, 3858622.63	1.21E-02	3.83E-06	1.63E-06	6.31E-03	1.99E-06	8.44E-07	6.13E-04	1.93E-07	1.11E-08	6.40E-04	2.02E-07	1.53E-08	1.63E-06	8.49E-07
2489	497496.65, 3858622.63	1.22E-02	3.86E-06	1.64E-06	6.35E-03	2.00E-06	8.50E-07	6.17E-04	1.95E-07	1.12E-08	6.46E-04	2.04E-07	1.55E-08	1.64E-06	8.55E-07
2490	497596.65, 3858622.63	1.24E-02	3.92E-06	1.66E-06	6.46E-03	2.04E-06	8.65E-07	6.30E-04	1.99E-07	1.14E-08	6.59E-04	2.08E-07	1.58E-08	1.67E-06	8.69E-07
2491	497696.65, 3858622.63	1.24E-02	3.91E-06	1.66E-06	6.45E-03	2.03E-06	8.63E-07	6.33E-04	2.00E-07	1.15E-08	6.63E-04	2.09E-07	1.59E-08	1.67E-06	8.68E-07
2492	497796.65, 3858622.63	1.25E-02	3.93E-06	1.67E-06	6.48E-03	2.04E-06	8.68E-07	6.39E-04	2.02E-07	1.16E-08	6.71E-04	2.12E-07	1.61E-08	1.67E-06	8.72E-07
2493	497896.65, 3858622.63	1.25E-02	3.94E-06	1.67E-06	6.50E-03	2.05E-06	8.71E-07	6.47E-04	2.04E-07	1.17E-08	6.79E-04	2.14E-07	1.63E-08	1.68E-06	8.75E-07
2494	497396.65, 3858722.63	1.23E-02	3.89E-06	1.65E-06	6.40E-03	2.02E-06	8.57E-07	6.31E-04	1.99E-07	1.15E-08	6.59E-04	2.08E-07	1.58E-08	1.65E-06	8.62E-07
2495	497496.65, 3858722.63	1.24E-02	3.91E-06	1.66E-06	6.44E-03	2.03E-06	8.62E-07	6.36E-04	2.01E-07	1.15E-08	6.66E-04	2.10E-07	1.60E-08	1.66E-06	8.67E-07
2496	497596.65, 3858722.63	1.25E-02	3.95E-06	1.68E-06	6.51E-03	2.06E-06	8.72E-07	6.47E-04	2.04E-07	1.17E-08	6.76E-04	2.13E-07	1.62E-08	1.68E-06	8.76E-07
2497	497696.65, 3858722.63	1.25E-02	3.96E-06	1.68E-06	6.53E-03	2.06E-06	8.74E-07	6.52E-04	2.06E-07	1.18E-08	6.82E-04	2.15E-07	1.63E-08	1.69E-06	8.79E-07
2498	497796.65, 3858722.63	1.25E-02	3.95E-06	1.68E-06	6.51E-03	2.06E-06	8.72E-07	6.55E-04	2.07E-07	1.19E-08	6.86E-04	2.16E-07	1.64E-08	1.68E-06	8.76E-07
2499	497896.65, 3858722.63	1.25E-02	3.94E-06	1.67E-06	6.50E-03	2.05E-06	8.71E-07	6.61E-04	2.09E-07	1.20E-08	6.92E-04	2.18E-07	1.66E-08	1.68E-06	8.76E-07
2500	497396.65, 3858822.63	1.24E-02	3.91E-06	1.66E-06	6.45E-03	2.03E-06	8.63E-07	6.47E-04	2.04E-07	1.17E-08	6.74E-04	2.13E-07	1.61E-08	1.66E-06	8.68E-07
2501	497496.65, 3858822.63	1.24E-02	3.92E-06	1.66E-06	6.46E-03	2.04E-06	8.65E-07	6.50E-04	2.05E-07	1.18E-08	6.79E-04	2.14E-07	1.63E-08	1.67E-06	8.70E-07
2502	497596.65, 3858822.63	1.26E-02	3.97E-06	1.68E-06	6.55E-03	2.07E-06	8.77E-07	6.61E-04	2.09E-07	1.20E-08	6.92E-04	2.18E-07	1.66E-08	1.69E-06	8.81E-07
2503	497696.65, 3858822.63	1.25E-02	3.96E-06	1.68E-06	6.53E-03	2.06E-06	8.75E-07	6.67E-04	2.11E-07	1.21E-08	6.97E-04	2.20E-07	1.67E-08	1.68E-06	8.80E-07
2504	497796.65, 3858822.63	1.25E-02	3.94E-06	1.67E-06	6.51E-03	2.06E-06	8.72E-07	6.69E-04	2.11E-07	1.21E-08	7.00E-04	2.21E-07	1.68E-08	1.68E-06	8.77E-07
2505	497896.65, 3858822.63	1.25E-02	3.95E-06	1.67E-06	6.53E-03	2.06E-06	8.74E-07	6.80E-04	2.15E-07	1.23E-08	7.10E-04	2.24E-07	1.70E-08	1.68E-06	8.79E-07
2506	497396.65, 3858922.63	1.24E-02	3.93E-06	1.67E-06	6.48E-03	2.05E-06	8.68E-07	6.63E-04	2.09E-07	1.20E-08	6.92E-04	2.18E-07	1.66E-08	1.67E-06	8.73E-07
2507	497496.65, 3858922.63	1.25E-02	3.96E-06	1.68E-06	6.54E-03	2.06E-06	8.76E-07	6.74E-04	2.13E-07	1.22E-08	7.02E-04	2.22E-07	1.68E-08	1.68E-06	8.81E-07
2508	497596.65, 3858922.63	1.24E-02	3.93E-06	1.67E-06	6.49E-03	2.05E-06	8.69E-07	6.72E-04	2.12E-07	1.22E-08	7.02E-04	2.22E-07	1.68E-08	1.67E-06	8.74E-07
2509	497696.65, 3858922.63	1.25E-02	3.96E-06	1.68E-06	6.54E-03	2.07E-06	8.76E-07	6.83E-04	2.16E-07	1.24E-08	7.13E-04	2.25E-07	1.71E-08	1.68E-06	8.81E-07
2510	497796.65, 3858922.63	1.25E-02	3.95E-06	1.68E-06	6.54E-03	2.06E-06	8.75E-07	6.92E-04	2.19E-07	1.26E-08	7.21E-04	2.28E-07	1.73E-08	1.68E-06	8.80E-07
2511	497896.65, 3858922.63	1.25E-02	3.95E-06	1.68E-06	6.55E-03	2.07E-06	8.77E-07	7.03E-04	2.22E-07	1.28E-08	7.33E-04	2.31E-07	1.76E-08	1.68E-06	8.82E-07
2512	497364.44, 3858201.52	1.17E-02	3.69E-06	1.56E-06	6.05E-03	1.91E-06	8.10E-07	5.66E-04	1.78E-07	1.03E-08	5.89E-04	1.86E-07	1.41E-08	1.57E-06	8.14E-07
2513	497414.44, 3858201.52	1.17E-02	3.71E-06	1.57E-06	6.08E-03	1.92E-06	8.14E-07	5.67E-04	1.79E-07	1.03E-08	5.91E-04	1.86E-07	1.42E-08	1.58E-06	8.18E-07
2514	497464.44, 3858201.52	1.18E-02	3.72E-06	1.58E-06	6.11E-03	1.93E-06	8.18E-07	5.70E-04	1.80E-07	1.04E-08	5.94E-04	1.88E-07	1.42E-08	1.58E-06	8.22E-07
2515	497514.44, 3858201.52	1.18E-02	3.72E-06	1.58E-06	6.10E-03	1.93E-06	8.17E-07	5.72E-04	1.80E-07	1.04E-08	5.96E-04	1.88E-07	1.43E-08	1.58E-06	8.21E-07
2516	497564.44, 3858201.52	1.17E-02	3.70E-06	1.57E-06	6.07E-03	1.92E-06	8.13E-07	5.70E-04	1.80E-07	1.04E-08	5.94E-04	1.88E-07	1.42E-08	1.57E-06	8.17E-07

2517	497614.44, 3858201.52	1.17E-02	3.70E-06	1.57E-06	6.07E-03	1.92E-06	8.13E-07	5.70E-04	1.80E-07	1.04E-08	5.96E-04	1.88E-07	1.43E-08	1.57E-06	8.17E-07
2518	497364.44, 3858251.52	1.18E-02	3.73E-06	1.58E-06	6.12E-03	1.93E-06	8.20E-07	5.73E-04	1.81E-07	1.04E-08	5.97E-04	1.89E-07	1.43E-08	1.59E-06	8.24E-07
2519	497414.44, 3858251.52	1.19E-02	3.75E-06	1.59E-06	6.16E-03	1.94E-06	8.25E-07	5.76E-04	1.82E-07	1.05E-08	6.01E-04	1.90E-07	1.44E-08	1.60E-06	8.29E-07
2520	497464.44, 3858251.52	1.18E-02	3.72E-06	1.58E-06	6.12E-03	1.93E-06	8.19E-07	5.75E-04	1.81E-07	1.04E-08	5.99E-04	1.89E-07	1.44E-08	1.58E-06	8.23E-07
2521	497514.44, 3858251.52	1.17E-02	3.69E-06	1.57E-06	6.06E-03	1.91E-06	8.12E-07	5.72E-04	1.80E-07	1.04E-08	5.97E-04	1.89E-07	1.43E-08	1.57E-06	8.16E-07
2522	497564.44, 3858251.52	1.16E-02	3.68E-06	1.56E-06	6.04E-03	1.91E-06	8.08E-07	5.72E-04	1.80E-07	1.04E-08	5.96E-04	1.88E-07	1.43E-08	1.56E-06	8.12E-07
2523	497614.44, 3858251.52	1.16E-02	3.66E-06	1.55E-06	6.01E-03	1.90E-06	8.05E-07	5.70E-04	1.80E-07	1.04E-08	5.96E-04	1.88E-07	1.43E-08	1.56E-06	8.09E-07
2524	497364.44, 3858301.52	1.19E-02	3.74E-06	1.59E-06	6.14E-03	1.94E-06	8.23E-07	5.78E-04	1.82E-07	1.05E-08	6.02E-04	1.90E-07	1.44E-08	1.59E-06	8.27E-07
2525	497414.44, 3858301.52	1.19E-02	3.75E-06	1.59E-06	6.16E-03	1.94E-06	8.25E-07	5.80E-04	1.83E-07	1.05E-08	6.06E-04	1.91E-07	1.45E-08	1.60E-06	8.29E-07
2526	497464.44, 3858301.52	1.18E-02	3.71E-06	1.58E-06	6.10E-03	1.93E-06	8.17E-07	5.76E-04	1.82E-07	1.05E-08	6.02E-04	1.90E-07	1.44E-08	1.58E-06	8.21E-07
2527	497514.44, 3858301.52	1.17E-02	3.69E-06	1.57E-06	6.06E-03	1.91E-06	8.12E-07	5.75E-04	1.81E-07	1.04E-08	6.01E-04	1.90E-07	1.44E-08	1.57E-06	8.16E-07
2528	497564.44, 3858301.52	1.16E-02	3.66E-06	1.55E-06	6.01E-03	1.90E-06	8.05E-07	5.73E-04	1.81E-07	1.04E-08	5.97E-04	1.89E-07	1.43E-08	1.56E-06	8.09E-07
2529	497614.44, 3858301.52	1.15E-02	3.64E-06	1.54E-06	5.98E-03	1.89E-06	8.00E-07	5.72E-04	1.80E-07	1.04E-08	5.96E-04	1.88E-07	1.43E-08	1.55E-06	8.04E-07
2530	497364.44, 3858351.52	1.19E-02	3.75E-06	1.59E-06	6.16E-03	1.95E-06	8.26E-07	5.83E-04	1.84E-07	1.06E-08	6.09E-04	1.92E-07	1.46E-08	1.60E-06	8.30E-07
2531	497414.44, 3858351.52	1.18E-02	3.73E-06	1.58E-06	6.13E-03	1.93E-06	8.20E-07	5.81E-04	1.83E-07	1.05E-08	6.07E-04	1.92E-07	1.45E-08	1.59E-06	8.24E-07
2532	497464.44, 3858351.52	1.18E-02	3.71E-06	1.58E-06	6.10E-03	1.93E-06	8.17E-07	5.81E-04	1.83E-07	1.05E-08	6.06E-04	1.91E-07	1.45E-08	1.58E-06	8.21E-07
2533	497514.44, 3858351.52	1.17E-02	3.69E-06	1.57E-06	6.07E-03	1.92E-06	8.13E-07	5.80E-04	1.83E-07	1.05E-08	6.04E-04	1.91E-07	1.45E-08	1.57E-06	8.17E-07
2534	497564.44, 3858351.52	1.16E-02	3.65E-06	1.55E-06	6.00E-03	1.89E-06	8.04E-07	5.76E-04	1.82E-07	1.05E-08	6.01E-04	1.90E-07	1.44E-08	1.55E-06	8.08E-07
2535	497614.44, 3858351.52	1.15E-02	3.64E-06	1.54E-06	5.98E-03	1.89E-06	8.01E-07	5.75E-04	1.81E-07	1.04E-08	5.99E-04	1.89E-07	1.44E-08	1.55E-06	8.04E-07
2536	497364.44, 3858401.52	1.18E-02	3.74E-06	1.59E-06	6.14E-03	1.94E-06	8.22E-07	5.84E-04	1.84E-07	1.06E-08	6.09E-04	1.92E-07	1.46E-08	1.59E-06	8.26E-07
2537	497414.44, 3858401.52	1.18E-02	3.72E-06	1.58E-06	6.11E-03	1.93E-06	8.19E-07	5.84E-04	1.84E-07	1.06E-08	6.09E-04	1.92E-07	1.46E-08	1.58E-06	8.23E-07
2538	497464.44, 3858401.52	1.17E-02	3.69E-06	1.57E-06	6.07E-03	1.92E-06	8.13E-07	5.83E-04	1.84E-07	1.06E-08	6.07E-04	1.92E-07	1.45E-08	1.57E-06	8.17E-07
2539	497514.44, 3858401.52	1.16E-02	3.67E-06	1.56E-06	6.04E-03	1.91E-06	8.09E-07	5.81E-04	1.83E-07	1.05E-08	6.06E-04	1.91E-07	1.45E-08	1.56E-06	8.13E-07
2540	497564.44, 3858401.52	1.17E-02	3.69E-06	1.57E-06	6.07E-03	1.92E-06	8.13E-07	5.84E-04	1.84E-07	1.06E-08	6.09E-04	1.92E-07	1.46E-08	1.57E-06	8.17E-07
2541	497614.44, 3858401.52	1.18E-02	3.71E-06	1.57E-06	6.10E-03	1.93E-06	8.17E-07	5.84E-04	1.84E-07	1.06E-08	6.12E-04	1.93E-07	1.47E-08	1.58E-06	8.21E-07
2542	493478.11, 3860497.94	1.58E-02	5.00E-06	2.12E-06	9.55E-03	3.01E-06	1.28E-06	2.85E-03	9.01E-07	5.18E-08	2.96E-03	9.36E-07	7.10E-08	2.14E-06	1.30E-06
2543	493528.11, 3860497.94	1.56E-02	4.94E-06	2.09E-06	9.42E-03	2.97E-06	1.26E-06	2.80E-03	8.84E-07	5.08E-08	2.91E-03	9.18E-07	6.97E-08	2.11E-06	1.28E-06
2544	493478.11, 3860547.94	1.55E-02	4.89E-06	2.07E-06	9.46E-03	2.99E-06	1.27E-06	2.97E-03	9.38E-07	5.39E-08	3.09E-03	9.75E-07	7.40E-08	2.09E-06	1.29E-06
2545	493528.11, 3860547.94	1.53E-02	4.83E-06	2.05E-06	9.34E-03	2.95E-06	1.25E-06	2.92E-03	9.22E-07	5.30E-08	3.03E-03	9.57E-07	7.27E-08	2.07E-06	1.27E-06
2546	493478.11, 3860597.94	1.52E-02	4.79E-06	2.03E-06	9.39E-03	2.96E-06	1.26E-06	3.10E-03	9.77E-07	5.62E-08	3.22E-03	1.02E-06	7.71E-08	2.05E-06	1.28E-06
2547	493528.11, 3860597.94	1.50E-02	4.74E-06	2.01E-06	9.27E-03	2.93E-06	1.24E-06	3.04E-03	9.59E-07	5.52E-08	3.16E-03	9.97E-07	7.57E-08	2.03E-06	1.26E-06
2548	493561.88, 3860524.64	1.53E-02	4.84E-06	2.05E-06	9.29E-03	2.93E-06	1.24E-06	2.82E-03	8.91E-07	5.13E-08	2.93E-03	9.26E-07	7.03E-08	2.07E-06	1.26E-06
2549	493591.88, 3860524.64	1.52E-02	4.81E-06	2.04E-06	9.22E-03	2.91E-06	1.23E-06	2.79E-03	8.79E-07	5.06E-08	2.89E-03	9.12E-07	6.92E-08	2.06E-06	1.25E-06
2550	493561.88, 3860554.64	1.52E-02	4.78E-06	2.03E-06	9.25E-03	2.92E-06	1.24E-06	2.90E-03	9.14E-07	5.26E-08	3.01E-03	9.49E-07	7.21E-08	2.05E-06	1.26E-06
2551	493591.88, 3860554.64	1.51E-02	4.75E-06	2.02E-06	9.17E-03	2.89E-06	1.23E-06	2.85E-03	8.99E-07	5.17E-08	2.96E-03	9.34E-07	7.09E-08	2.03E-06	1.25E-06
2552	492880.5, 3860293.11	2.31E-02	7.30E-06	3.10E-06	1.34E-02	4.24E-06	1.80E-06	3.36E-03	1.06E-06	6.09E-08	3.50E-03	1.10E-06	8.38E-08	3.12E-06	1.82E-06
2553	492930.5, 3860293.11	2.25E-02	7.10E-06	3.01E-06	1.30E-02	4.12E-06	1.75E-06	3.24E-03	1.02E-06	5.88E-08	3.38E-03	1.07E-06	8.09E-08	3.03E-06	1.77E-06
2554	492980.5, 3860293.11	2.20E-02	6.95E-06	2.95E-06	1.27E-02	4.02E-06	1.70E-06	3.13E-03	9.87E-07	5.68E-08	3.25E-03	1.03E-06	7.80E-08	2.97E-06	1.73E-06
2555	493030.5, 3860293.11	2.15E-02	6.79E-06	2.88E-06	1.24E-02	3.90E-06	1.66E-06	2.94E-03	9.28E-07	5.34E-08	3.06E-03	9.65E-07	7.33E-08	2.90E-06	1.68E-06
2556	493080.5, 3860293.11	2.11E-02	6.67E-06	2.83E-06	1.21E-02	3.81E-06	1.62E-06	2.76E-03	8.71E-07	5.01E-08	2.87E-03	9.06E-07	6.87E-08	2.85E-06	1.64E-06
2557	493130.5, 3860293.11	2.08E-02	6.57E-06	2.79E-06	1.19E-02	3.76E-06	1.60E-06	2.78E-03	8.76E-07	5.04E-08	2.88E-03	9.10E-07	6.91E-08	2.81E-06	1.62E-06
2558	493180.5, 3860293.11	2.05E-02	6.46E-06	2.74E-06	1.17E-02	3.71E-06	1.57E-06	2.77E-03	8.75E-07	5.03E-08	2.88E-03	9.08E-07	6.89E-08	2.76E-06	1.59E-06
2559	493230.5, 3860293.11	2.01E-02	6.36E-06	2.70E-06	1.16E-02	3.65E-06	1.55E-06	2.72E-03	8.59E-07	4.94E-08	2.82E-03	8.91E-07	6.76E-08	2.72E-06	1.57E-06
2560	493280.5, 3860293.11	1.99E-02	6.30E-06	2.67E-06	1.14E-02	3.60E-06	1.53E-06	2.62E-03	8.27E-07	4.76E-08	2.72E-03	8.58E-07	6.51E-08	2.69E-06	1.54E-06
2561	493330.5, 3860293.11	1.97E-02	6.21E-06	2.63E-06	1.12E-02	3.54E-06	1.50E-06	2.55E-03	8.04E-07	4.63E-08	2.64E-03	8.34E-07	6.33E-08	2.65E-06	1.52E-06
2562	493380.5, 3860293.11	1.94E-02	6.12E-06	2.60E-06	1.10E-02	3.49E-06	1.48E-06	2.49E-03	7.86E-07	4.52E-08	2.58E-03	8.14E-07	6.18E-08	2.61E-06	1.50E-06
2563	492880.5, 3860343.11	2.19E-02	6.90E-06	2.93E-06	1.29E-02	4.07E-06	1.73E-06	3.51E-03	1.11E-06	6.38E-08	3.66E-03	1.16E-06	8.77E-08	2.95E-06	1.75E-06
2564	492930.5, 3860343.11	2.09E-02	6.61E-06	2.80E-06	1.24E-02	3.91E-06	1.66E-06	3.40E-03	1.07E-06	6.16E-08	3.54E-03	1.12E-06	8.48E-08	2.83E-06	1.68E-06
2565	492980.5, 3860343.11	2.03E-02	6.41E-06	2.72E-06	1.19E-02	3.77E-06	1.60E-06	3.19E-03	1.01E-06	5.80E-08	3.33E-03	1.05E-06	7.97E-08	2.74E-06	1.62E-06
2566	493030.5, 3860343.11	1.98E-02	6.26E-06	2.66E-06	1.17E-02	3.68E-06	1.56E-06	3.09E-03	9.76E-07	5.62E-08	3.22E-03	1.02E-06	7.71E-08	2.68E-06	1.58E-06
2567	493080.5, 3860343.11	1.95E-02	6.15E-06	2.61E-06	1.14E-02	3.59E-06	1.52E-06	2.92E-03	9.22E-07	5.30E-08	3.04E-03	9.59E-07	7.28E-08	2.63E-06	1.54E-06
2568	493130.5, 3860343.11	1.92E-02	6.04E-06	2.56E-06	1.12E-02	3.53E-06	1.50E-06	2.88E-03	9.08E-07	5.22E-08	2.99E-03	9.44E-07	7.17E-08	2.58E-06	1.52E-06
2569	493180.5, 3860343.11	1.88E-02	5.94E-06	2.52E-06	1.10E-02	3.48E-06	1.47E-06	2.87E-03	9.07E-07	5.22E-08	2.99E-03	9.43E-07	7.16E-08	2.54E-06	1.49E-06
2570	493230.5, 3860343.11	1.85E-02	5.85E-06	2.48E-06	1.08E-02	3.42E-06	1.45E-06	2.82E-03	8.91E-07	5.12E-08	2.93E-03	9.25E-07	7.02E-08	2.50E-06	1.47E-06
2571	493280.5, 3860343.11	1.83E-02	5.78E-06	2.45E-06	1.07E-02	3.36E-06	1.43E-06	2.72E-03	8.58E-07	4.93E-08	2.82E-03	8.91E-07	6.76E-08	2.47E-06	1.45E-06
2572	493330.5, 3860343.11	1.81E-02	5.70E-06	2.42E-06	1.05E-02	3.31E-06	1.40E-06	2.63E-03	8.32E-07	4.78E-08	2.73E-03	8.63E-07	6.55E-08	2.44E-06	1.42E-06
2573	493380.5, 3860343.11	1.78E-02	5.63E-06	2.39E-06	1.03E-02	3.26E-06	1.38E-06	2.58E-03	8.13E-07	4.68E-08	2.67E-03	8.43E-07	6.40E-08	2.40E-06	1.40E-06
2574	492880.5, 3860393.11	2.11E-02	6.65E-06	2.82E-06	1.26E-02	3.99E-06	1.69E-06	3.68E-03	1.16E-06	6.68E-08	3.84E-03	1.21E-06	9.20E-08	2.85E-06	1.72E-06
2575	492930.5, 3860393.11	2.02E-02	6.37E-06	2.70E-06	1.21E-02	3.82E-06	1.62E-06	3.54E-03	1.12E-06	6.43E-08	3.70E-03	1.17E-06	8.85E-08	2.73E-06	1.65E-06
2576	492980.5, 3860393.11	1.96E-02	6.18E-06	2.62E-06	1.17E-02	3.70E-06	1.57E-06	3.38E-03	1.07E-06	6.13E-08	3.52E-03	1.11E-06	8.44E-08	2.64E-06	1.59E-06
2577	493030.5, 3860393.11	1.91E-02	6.04E-06	2.56E-06	1.14E-02	3.60E-06	1.53E-06	3.25E-03	1.02E-06	5.89E-08	3.38E-03	1.07E-06	8.10E-08	2.58E-06	1.55E-06
2578	493080.5, 3860393.11	1.88E-02	5.92E-06	2.51E-06	1.11E-02	3.51E-06	1.49E-06	3.06E-03	9.66E-07	5.56E-08	3.19E-03	1.01E-06	7.64E-08	2.53E-06	1.51E-06
2579	493130.5, 3860393.11	1.84E-02	5.82E-06	2.47E-06	1.09E-02	3.45E-06	1.46E-06	3.03E-03	9.56E-07	5.50E-08	3.15E-03	9.94E-07	7.55E-08	2.49E-06	1.48E-06
2580	493180.5, 3860393.11	1.81E-02	5.72E-06	2.43E-06	1.08E-02	3.40E-06	1.44E-06	3.02E-03	9.52E-07	5.47E-08	3.14E-03	9.90E-07	7.52E-08	2.45E-06	1.46E-06
2581	493230.5, 3860393.11	1.79E-02	5.64E-06	2.39E-06	1.06E-02	3.34E-06	1.42E-06	2.94E-03	9.28E-07	5.33E-08	3.05E-03	9.64E-07	7.32E-08	2.41E-06	1.44E-06
2582	493280.5, 3860393.11	1.76E-02	5.56E-06	2.36E-06	1.04E-02	3.28E-06	1.39E-06	2.82E-03	8.91E-07	5.12E-08	2.93E-03	9.26E-07	7.03E-08	2.38E-06	1.41E-06
2583	493330.5, 3860393.11	1.74E-02	5.49E-06	2.33E-06	1.02E-02	3.23E-06	1.37E-06	2.73E-03	8.63E-07	4.96E-08	2.84E-03	8.96E-07	6.80E-08	2.35E-06	1.39E-06
2584	493380.5, 3860393.11	1.72E-02	5.42E-06	2.30E-06	1.01E-02	3.18E-06	1.35E-06	2.67E-03	8.42E-07	4.84E-08	2.77E-03	8.74E-07	6.63E-08	2.32E-06	1.37E-06
2585	492880.5, 3860443.11	1.98E-02	6.24E-06	2.65E-06	1.21E-02	3.82E-06	1.62E-06	3.85E-03	1.22E-06	6.99E-08	4.02E-03	1.27E-06	9.63E-08	2.68E-06	1.65E-06
2586	492930.5, 3860443.11	1.93E-02	6.10E-06	2.59E-06	1.18E-02	3.73E-06	1.58E-06	3.73E-03	1.18E-06	6.77E-08	3.89E-03	1.23E-06	9.32E-08	2.61E-06	1.61E-06
2587	492980.5, 3860443.11	1.89E-02	5.96E-06	2.53E-06	1.15E-02	3.63E-06	1.54E-06	3.57E-03	1.13E-06	6.49E-08	3.73E-03	1.18E-06	8.93E-08	2.56E-06	1.57E-06
2588	493030.5, 3860443.11	1.85E-02	5.85E-06	2.48E-06	1.12E-02	3.55E-06	1.50E-06	3.43E-03	1.08E-06	6.22E-08	3.57E-03	1.13E-06	8.56E-08	2.51E-06	1.53E-06
2589	493080.5, 3860443.11	1.82E-02	5.74E-06	2.44E-06	1.10E-02	3.47E-06	1.47E-06	3.32E-03	1.05E-06	6.02E-08	3.46E-03	1.09E-06	8.28E-08	2.46E-06	1.50E-06
2590	493130.5, 3860443.11	1.79E-02	5.65E-06	2.40E-06	1.08E-02	3.41E-06	1.44E-06	3.21E-03	1.01E-06	5.83E-08	3.35E-03	1.06E-06	8.02E-08	2.42E-06	1.47E-06
2591	493180.5, 3860443.11	1.76E-02	5.56E-06	2.36E-06	1.06E-02	3.35E-06	1.42E-06	3.18E-03	1.00E-06	5.77E-08	3.31E-03	1.04E-06	7.93E-08	2.38E-06	1.44E-06
2592	493230.5, 3860443.11	1.74E-02	5.48E-06	2.32E-06	1.04E-02	3.29E-06	1.40E-06	3.05E-03	9.63E-07	5.54E-08	3.17E-03	1.00E-06	7.60E-08	2.35E-06	1.42E-06
2593	493280.5, 3860443.11	1.71E-02	5.41E-06	2.29E-06	1.02E-02	3.23E-06	1.37E-06	2.95E-03	9.31E-07	5.36E-08	3.07E-03	9.69E-07	7.35E-08	2.31E-06	1.39E-06
2594	493330.5, 3860443.11	1.69E-02	5.33E-06	2.26E-06	1.01E-02	3.17E-06	1.35E-06	2.84E-03	8.95E-07	5.15E-08	2.95E-03	9.30E-07	7.06E-08	2.28E-06	1.37E-06
2595	493380.5, 3860443.11	1.67E-02	5.26E-06	2.23E-06	9.92E-03	3.13E-06	1.33E-06	2.79E-03	8.79E-07	5.06E-08	2.89E-03	9.13E-07	6.93E-08	2.25E-06	1.35E-06
2596	493180.5, 3860493.11	1.72E-02	5.42E-06	2.30E-06	1.05E-02	3.31E-06	1.41E-06	3.31E-03	1.04E-06	6.00E-08	3.44E-03	1.09E-06	8.25E-08	2.32E-06	1.43E-06
2597	493230.5, 3860493.11	1.69E-02	5.34E-06	2.27E-06	1.03E-02	3.25E-06	1.38E-06	3.19E-03	1.01E-06	5.79E-08	3.32E-03	1.05E-06	7.96E-08	2.29E-06	1.40E-06
2598	493280.5, 3860493.11	1.67E-02	5.27E-06	2.24E-06	1.01E-02	3.19E-06	1.35E-06	3.08E-03	9.72E-07	5.59E-08	3.20E-03	1.01E-06	7.68E-08	2.26E-06	1.38E-06
2599	493330.5, 3860493.11	1.65E-02	5.20E-06	2.21E-06	9.95E-03	3.14E-06	1.33E-06	2.99E-03	9.42E-07	5.42E-08	3.11E-03	9.80E-07	7.44E-08	2.23E-06	1.35E-06
2600	493380.5, 3860493.11	1.63E-02	5.13E-06	2.18E-06	9.81E-03	3.09E-06	1.31E-06	2.93E-03	9.25E-07	5.32E-08	3.04E-03	9.61E-07	7.29E-08	2.20E-06	1.33E-06
2601	493330.5, 3860543.11	1.61E-02	5.08E-06	2.16E-06	9.86E-03	3.11E-06	1.32E-06	3.12E-03	9.85E-07	5.67E-08	3.25E-03	1.03E-06	7.78E-08	2.18E-06	1.34E-06
2602	493380.5, 3860543.11	1.59E-02	5.02E-06	2.13E-06	9.72E-03	3.07E-06	1.30E-06	3.06E-03	9.66E-07	5.56E-08	3.18E-03	1.01E-06	7.63E-08	2.15E-06	1.32E-06
2603	494135.94, 3860876.85	1.25E-02	3.93E-06	1.67E-06	8.10E-03	2.56E-06	1.08E-06	3.15E-03	9.95E-07	5.72E-08	3.28E-03	1.03E-06	7.85E-08	1.69E-06	1.11E-06
2604	494185.94, 3860876.85	1.24E-02	3.90E-06	1.65E-06	8.02E-03	2.53E-06	1.07E-06	3.10E-03	9.79E-07	5.63E-08	3.22E-03	1.02E-06	7.72E-08	1.67E-06	1.09E-06
2605	494135.94, 3860926.85	1.24E-02	3.92E-06	1.66E-06	8.22E-03	2.59E-06	1.10E-06	3.36E-03	1.06E-06	6.11E-08	3.50E-03	1.10E-06	8.38E-08	1.69E-06	1.12E-06
2606	494185.94, 3860926.85	1.23E-02	3.89E-06	1.65E-06	8.13E-03	2.57E-06	1.09E-06	3.31E-03	1.04E-06	6.00E-08	3.44E-03	1.08E-06	8.23E-08	1.67E-06	1.11E-06

2607	494135.94, 3860976.85	1.25E-02	3.93E-06	1.67E-06	8.39E-03	2.65E-06	1.12E-06	3.61E-03	1.14E-06	6.55E-08	3.75E-03	1.18E-06	8.99E-08	1.69E-06	1.15E-06
2608	494185.94, 3860976.85	1.23E-02	3.89E-06	1.65E-06	8.29E-03	2.62E-06	1.11E-06	3.54E-03	1.12E-06	6.43E-08	3.68E-03	1.16E-06	8.82E-08	1.68E-06	1.13E-06
2609	494135.94, 3861026.85	1.26E-02	3.96E-06	1.68E-06	8.63E-03	2.72E-06	1.16E-06	3.90E-03	1.23E-06	7.09E-08	4.06E-03	1.28E-06	9.73E-08	1.71E-06	1.18E-06
2610	494185.94, 3861026.85	1.24E-02	3.92E-06	1.66E-06	8.52E-03	2.69E-06	1.14E-06	3.82E-03	1.21E-06	6.94E-08	3.98E-03	1.25E-06	9.53E-08	1.69E-06	1.17E-06
2611	494135.94, 3861076.85	1.27E-02	4.02E-06	1.71E-06	8.95E-03	2.83E-06	1.20E-06	4.26E-03	1.35E-06	7.74E-08	4.43E-03	1.40E-06	1.06E-07	1.73E-06	1.23E-06
2612	494185.94, 3861076.85	1.26E-02	3.98E-06	1.69E-06	8.82E-03	2.78E-06	1.18E-06	4.17E-03	1.32E-06	7.57E-08	4.33E-03	1.37E-06	1.04E-07	1.71E-06	1.21E-06
2613	490360.04, 3858710.04	4.58E-02	1.45E-05	6.14E-06	2.43E-02	7.66E-06	3.25E-06	3.01E-03	9.49E-07	5.46E-08	2.96E-03	9.35E-07	7.09E-08	6.16E-06	3.26E-06
2614	490410.04, 3858710.04	4.51E-02	1.42E-05	6.04E-06	2.38E-02	7.53E-06	3.19E-06	2.92E-03	9.22E-07	5.30E-08	2.88E-03	9.08E-07	6.89E-08	6.06E-06	3.21E-06
2615	490460.04, 3858710.04	4.45E-02	1.40E-05	5.96E-06	2.35E-02	7.41E-06	3.14E-06	2.82E-03	8.91E-07	5.13E-08	2.78E-03	8.78E-07	6.67E-08	5.97E-06	3.16E-06
2616	490510.04, 3858710.04	4.38E-02	1.38E-05	5.87E-06	2.31E-02	7.30E-06	3.10E-06	2.75E-03	8.67E-07	4.99E-08	2.71E-03	8.55E-07	6.49E-08	5.89E-06	3.11E-06
2617	490560.04, 3858710.04	4.32E-02	1.36E-05	5.78E-06	2.28E-02	7.18E-06	3.05E-06	2.68E-03	8.46E-07	4.87E-08	2.64E-03	8.34E-07	6.33E-08	5.80E-06	3.06E-06
2618	490610.04, 3858710.04	4.26E-02	1.34E-05	5.70E-06	2.24E-02	7.07E-06	3.00E-06	2.61E-03	8.25E-07	4.74E-08	2.57E-03	8.12E-07	6.17E-08	5.71E-06	3.01E-06
2619	490660.04, 3858710.04	4.19E-02	1.32E-05	5.61E-06	2.21E-02	6.96E-06	2.95E-06	2.56E-03	8.09E-07	4.65E-08	2.53E-03	7.97E-07	6.05E-08	5.63E-06	2.97E-06
2620	490710.04, 3858710.04	4.14E-02	1.31E-05	5.54E-06	2.18E-02	6.87E-06	2.91E-06	2.49E-03	7.86E-07	4.52E-08	2.46E-03	7.75E-07	5.88E-08	5.56E-06	2.93E-06
2621	490760.04, 3858710.04	4.09E-02	1.29E-05	5.47E-06	2.15E-02	6.77E-06	2.87E-06	2.43E-03	7.66E-07	4.41E-08	2.39E-03	7.56E-07	5.74E-08	5.48E-06	2.89E-06
2622	490810.04, 3858710.04	4.03E-02	1.27E-05	5.40E-06	2.12E-02	6.68E-06	2.83E-06	2.37E-03	7.48E-07	4.30E-08	2.34E-03	7.38E-07	5.60E-08	5.42E-06	2.85E-06
2623	490860.04, 3858710.04	3.99E-02	1.26E-05	5.34E-06	2.09E-02	6.60E-06	2.80E-06	2.30E-03	7.26E-07	4.18E-08	2.27E-03	7.17E-07	5.44E-08	5.35E-06	2.81E-06
2624	490360.04, 3858760.04	4.63E-02	1.46E-05	6.20E-06	2.45E-02	7.75E-06	3.29E-06	3.13E-03	9.88E-07	5.68E-08	3.08E-03	9.73E-07	7.39E-08	6.21E-06	3.30E-06
2625	490410.04, 3858760.04	4.55E-02	1.44E-05	6.10E-06	2.41E-02	7.61E-06	3.23E-06	3.04E-03	9.58E-07	5.51E-08	2.99E-03	9.44E-07	7.16E-08	6.11E-06	3.25E-06
2626	490460.04, 3858760.04	4.48E-02	1.42E-05	6.00E-06	2.37E-02	7.49E-06	3.18E-06	2.94E-03	9.28E-07	5.33E-08	2.90E-03	9.14E-07	6.94E-08	6.02E-06	3.19E-06
2627	490510.04, 3858760.04	4.42E-02	1.39E-05	5.92E-06	2.33E-02	7.37E-06	3.13E-06	2.84E-03	8.97E-07	5.16E-08	2.80E-03	8.84E-07	6.71E-08	5.93E-06	3.14E-06
2628	490560.04, 3858760.04	4.35E-02	1.37E-05	5.83E-06	2.30E-02	7.25E-06	3.08E-06	2.76E-03	8.72E-07	5.02E-08	2.72E-03	8.60E-07	6.53E-08	5.84E-06	3.09E-06
2629	490610.04, 3858760.04	4.29E-02	1.35E-05	5.75E-06	2.26E-02	7.14E-06	3.03E-06	2.68E-03	8.47E-07	4.87E-08	2.65E-03	8.35E-07	6.34E-08	5.76E-06	3.04E-06
2630	490660.04, 3858760.04	4.23E-02	1.34E-05	5.66E-06	2.23E-02	7.03E-06	2.98E-06	2.61E-03	8.24E-07	4.74E-08	2.58E-03	8.13E-07	6.17E-08	5.68E-06	3.00E-06
2631	490710.04, 3858760.04	4.17E-02	1.32E-05	5.59E-06	2.20E-02	6.93E-06	2.94E-06	2.54E-03	8.02E-07	4.62E-08	2.51E-03	7.92E-07	6.01E-08	5.60E-06	2.95E-06
2632	490760.04, 3858760.04	4.12E-02	1.30E-05	5.52E-06	2.16E-02	6.83E-06	2.90E-06	2.47E-03	7.79E-07	4.48E-08	2.44E-03	7.69E-07	5.84E-08	5.53E-06	2.91E-06
2633	490810.04, 3858760.04	4.07E-02	1.28E-05	5.45E-06	2.13E-02	6.74E-06	2.86E-06	2.40E-03	7.58E-07	4.36E-08	2.37E-03	7.49E-07	5.68E-08	5.46E-06	2.87E-06
2634	490860.04, 3858760.04	4.02E-02	1.27E-05	5.38E-06	2.11E-02	6.65E-06	2.82E-06	2.34E-03	7.40E-07	4.25E-08	2.31E-03	7.31E-07	5.54E-08	5.39E-06	2.83E-06
2635	490360.04, 3858810.04	4.68E-02	1.48E-05	6.27E-06	2.49E-02	7.85E-06	3.33E-06	3.26E-03	1.03E-06	5.91E-08	3.21E-03	1.01E-06	7.69E-08	6.28E-06	3.35E-06
2636	490410.04, 3858810.04	4.60E-02	1.45E-05	6.16E-06	2.44E-02	7.71E-06	3.27E-06	3.15E-03	9.94E-07	5.72E-08	3.10E-03	9.79E-07	7.43E-08	6.18E-06	3.29E-06
2637	490460.04, 3858810.04	4.53E-02	1.43E-05	6.07E-06	2.40E-02	7.58E-06	3.22E-06	3.04E-03	9.61E-07	5.53E-08	3.00E-03	9.47E-07	7.19E-08	6.08E-06	3.23E-06
2638	490510.04, 3858810.04	4.46E-02	1.41E-05	5.97E-06	2.36E-02	7.45E-06	3.16E-06	2.96E-03	9.33E-07	5.37E-08	2.91E-03	9.20E-07	6.98E-08	5.98E-06	3.18E-06
2639	490560.04, 3858810.04	4.39E-02	1.38E-05	5.88E-06	2.32E-02	7.32E-06	3.11E-06	2.87E-03	9.05E-07	5.21E-08	2.83E-03	8.93E-07	6.78E-08	5.89E-06	3.12E-06
2640	490610.04, 3858810.04	4.33E-02	1.37E-05	5.79E-06	2.29E-02	7.21E-06	3.06E-06	2.77E-03	8.75E-07	5.03E-08	2.73E-03	8.62E-07	6.55E-08	5.81E-06	3.08E-06
2641	490660.04, 3858810.04	4.26E-02	1.35E-05	5.71E-06	2.25E-02	7.10E-06	3.01E-06	2.69E-03	8.48E-07	4.88E-08	2.65E-03	8.37E-07	6.35E-08	5.73E-06	3.03E-06
2642	490710.04, 3858810.04	4.21E-02	1.33E-05	5.63E-06	2.22E-02	6.99E-06	2.97E-06	2.61E-03	8.22E-07	4.73E-08	2.57E-03	8.12E-07	6.16E-08	5.65E-06	2.98E-06
2643	490760.04, 3858810.04	4.16E-02	1.31E-05	5.56E-06	2.18E-02	6.90E-06	2.93E-06	2.51E-03	7.93E-07	4.56E-08	2.48E-03	7.84E-07	5.95E-08	5.58E-06	2.94E-06
2644	490810.04, 3858810.04	4.10E-02	1.29E-05	5.48E-06	2.15E-02	6.79E-06	2.88E-06	2.46E-03	7.76E-07	4.46E-08	2.43E-03	7.67E-07	5.82E-08	5.50E-06	2.90E-06
2645	490860.04, 3858810.04	4.05E-02	1.28E-05	5.42E-06	2.12E-02	6.70E-06	2.84E-06	2.39E-03	7.53E-07	4.33E-08	2.36E-03	7.45E-07	5.65E-08	5.43E-06	2.86E-06
2646	490360.04, 3858860.04	4.74E-02	1.50E-05	6.35E-06	2.53E-02	7.97E-06	3.38E-06	3.38E-03	1.07E-06	6.13E-08	3.33E-03	1.05E-06	7.98E-08	6.37E-06	3.40E-06
2647	490410.04, 3858860.04	4.66E-02	1.47E-05	6.23E-06	2.48E-02	7.82E-06	3.32E-06	3.28E-03	1.04E-06	5.96E-08	3.24E-03	1.02E-06	7.76E-08	6.25E-06	3.34E-06
2648	490460.04, 3858860.04	4.58E-02	1.45E-05	6.13E-06	2.43E-02	7.68E-06	3.26E-06	3.16E-03	9.98E-07	5.74E-08	3.12E-03	9.85E-07	7.48E-08	6.15E-06	3.28E-06
2649	490510.04, 3858860.04	4.50E-02	1.42E-05	6.02E-06	2.39E-02	7.54E-06	3.20E-06	3.08E-03	9.72E-07	5.59E-08	3.04E-03	9.59E-07	7.28E-08	6.04E-06	3.22E-06
2650	490560.04, 3858860.04	4.43E-02	1.40E-05	5.93E-06	2.35E-02	7.41E-06	3.15E-06	2.97E-03	9.39E-07	5.40E-08	2.94E-03	9.27E-07	7.03E-08	5.95E-06	3.16E-06
2651	490610.04, 3858860.04	4.37E-02	1.38E-05	5.85E-06	2.31E-02	7.29E-06	3.09E-06	2.85E-03	9.01E-07	5.18E-08	2.82E-03	8.90E-07	6.75E-08	5.87E-06	3.11E-06
2652	490660.04, 3858860.04	4.31E-02	1.36E-05	5.77E-06	2.27E-02	7.18E-06	3.05E-06	2.77E-03	8.73E-07	5.02E-08	2.73E-03	8.63E-07	6.55E-08	5.78E-06	3.06E-06
2653	490710.04, 3858860.04	4.24E-02	1.34E-05	5.68E-06	2.24E-02	7.06E-06	3.00E-06	2.69E-03	8.50E-07	4.89E-08	2.66E-03	8.41E-07	6.38E-08	5.69E-06	3.01E-06
2654	490760.04, 3858860.04	4.18E-02	1.32E-05	5.60E-06	2.20E-02	6.96E-06	2.95E-06	2.60E-03	8.19E-07	4.71E-08	2.57E-03	8.11E-07	6.15E-08	5.62E-06	2.97E-06
2655	490810.04, 3858860.04	4.13E-02	1.30E-05	5.53E-06	2.17E-02	6.86E-06	2.91E-06	2.51E-03	7.92E-07	4.55E-08	2.48E-03	7.84E-07	5.95E-08	5.55E-06	2.92E-06
2656	490860.04, 3858860.04	4.08E-02	1.29E-05	5.47E-06	2.14E-02	6.76E-06	2.87E-06	2.42E-03	7.65E-07	4.40E-08	2.40E-03	7.58E-07	5.75E-08	5.48E-06	2.88E-06
2657	490360.04, 3858910.04	4.80E-02	1.52E-05	6.43E-06	2.57E-02	8.11E-06	3.44E-06	3.57E-03	1.13E-06	6.47E-08	3.52E-03	1.11E-06	8.44E-08	6.45E-06	3.46E-06
2658	490410.04, 3858910.04	4.71E-02	1.49E-05	6.31E-06	2.52E-02	7.94E-06	3.37E-06	3.44E-03	1.09E-06	6.24E-08	3.40E-03	1.07E-06	8.15E-08	6.33E-06	3.39E-06
2659	490460.04, 3858910.04	4.63E-02	1.46E-05	6.20E-06	2.47E-02	7.79E-06	3.31E-06	3.32E-03	1.05E-06	6.02E-08	3.28E-03	1.04E-06	7.86E-08	6.22E-06	3.32E-06
2660	490510.04, 3858910.04	4.55E-02	1.44E-05	6.10E-06	2.42E-02	7.65E-06	3.24E-06	3.19E-03	1.01E-06	5.80E-08	3.16E-03	9.97E-07	7.57E-08	6.12E-06	3.26E-06
2661	490560.04, 3858910.04	4.48E-02	1.41E-05	6.00E-06	2.38E-02	7.51E-06	3.19E-06	3.07E-03	9.70E-07	5.58E-08	3.04E-03	9.59E-07	7.28E-08	6.02E-06	3.20E-06
2662	490610.04, 3858910.04	4.42E-02	1.39E-05	5.91E-06	2.34E-02	7.38E-06	3.13E-06	2.95E-03	9.32E-07	5.36E-08	2.92E-03	9.23E-07	7.00E-08	5.93E-06	3.15E-06
2663	490660.04, 3858910.04	4.35E-02	1.37E-05	5.82E-06	2.30E-02	7.26E-06	3.08E-06	2.86E-03	9.01E-07	5.18E-08	2.83E-03	8.93E-07	6.78E-08	5.84E-06	3.10E-06
2664	490710.04, 3858910.04	4.28E-02	1.35E-05	5.74E-06	2.26E-02	7.14E-06	3.03E-06	2.75E-03	8.69E-07	5.00E-08	2.73E-03	8.61E-07	6.54E-08	5.75E-06	3.05E-06
2665	490760.04, 3858910.04	4.23E-02	1.33E-05	5.66E-06	2.23E-02	7.03E-06	2.98E-06	2.65E-03	8.35E-07	4.80E-08	2.62E-03	8.28E-07	6.28E-08	5.68E-06	3.00E-06
2666	490810.04, 3858910.04	4.17E-02	1.32E-05	5.58E-06	2.20E-02	6.93E-06	2.94E-06	2.56E-03	8.09E-07	4.65E-08	2.54E-03	8.03E-07	6.09E-08	5.60E-06	2.95E-06
2667	490860.04, 3858910.04	4.12E-02	1.30E-05	5.52E-06	2.16E-02	6.83E-06	2.90E-06	2.47E-03	7.78E-07	4.48E-08	2.45E-03	7.73E-07	5.87E-08	5.53E-06	2.91E-06
2668	490360.04, 3858960.04	4.88E-02	1.54E-05	6.54E-06	2.62E-02	8.26E-06	3.50E-06	3.74E-03	1.18E-06	6.78E-08	3.71E-03	1.17E-06	8.88E-08	6.56E-06	3.53E-06
2669	490410.04, 3858960.04	4.79E-02	1.51E-05	6.41E-06	2.56E-02	8.09E-06	3.43E-06	3.59E-03	1.13E-06	6.51E-08	3.56E-03	1.12E-06	8.52E-08	6.43E-06	3.45E-06
2670	490460.04, 3858960.04	4.70E-02	1.48E-05	6.29E-06	2.51E-02	7.92E-06	3.36E-06	3.44E-03	1.09E-06	6.24E-08	3.41E-03	1.08E-06	8.17E-08	6.31E-06	3.38E-06
2671	490510.04, 3858960.04	4.62E-02	1.46E-05	6.18E-06	2.46E-02	7.77E-06	3.30E-06	3.31E-03	1.04E-06	6.00E-08	3.28E-03	1.03E-06	7.86E-08	6.20E-06	3.31E-06
2672	490560.04, 3858960.04	4.54E-02	1.43E-05	6.08E-06	2.41E-02	7.62E-06	3.23E-06	3.18E-03	1.00E-06	5.78E-08	3.16E-03	9.96E-07	7.56E-08	6.10E-06	3.25E-06
2673	490610.04, 3858960.04	4.47E-02	1.41E-05	5.99E-06	2.37E-02	7.49E-06	3.18E-06	3.04E-03	9.60E-07	5.52E-08	3.02E-03	9.53E-07	7.23E-08	6.00E-06	3.19E-06
2674	490660.04, 3858960.04	4.39E-02	1.39E-05	5.88E-06	2.33E-02	7.35E-06	3.12E-06	2.96E-03	9.33E-07	5.37E-08	2.93E-03	9.26E-07	7.03E-08	5.90E-06	3.14E-06
2675	490710.04, 3858960.04	4.33E-02	1.37E-05	5.80E-06	2.29E-02	7.23E-06	3.07E-06	2.83E-03	8.93E-07	5.14E-08	2.81E-03	8.88E-07	6.74E-08	5.82E-06	3.08E-06
2676	490760.04, 3858960.04	4.27E-02	1.35E-05	5.72E-06	2.25E-02	7.12E-06	3.02E-06	2.72E-03	8.59E-07	4.94E-08	2.71E-03	8.54E-07	6.48E-08	5.73E-06	3.03E-06
2677	490810.04, 3858960.04	4.21E-02	1.33E-05	5.64E-06	2.22E-02	7.01E-06	2.97E-06	2.62E-03	8.27E-07	4.76E-08	2.61E-03	8.23E-07	6.24E-08	5.66E-06	2.99E-06
2678	490860.04, 3858960.04	4.16E-02	1.31E-05	5.58E-06	2.19E-02	6.91E-06	2.93E-06	2.51E-03	7.94E-07	4.56E-08	2.50E-03	7.90E-07	5.99E-08	5.59E-06	2.95E-06
2679	490360.04, 3859010.04	4.97E-02	1.57E-05	6.65E-06	2.67E-02	8.43E-06	3.58E-06	3.93E-03	1.24E-06	7.14E-08	3.91E-03	1.23E-06	9.37E-08	6.68E-06	3.60E-06
2680	490410.04, 3859010.04	4.87E-02	1.54E-05	6.52E-06	2.61E-02	8.24E-06	3.50E-06	3.76E-03	1.19E-06	6.82E-08	3.73E-03	1.18E-06	8.95E-08	6.54E-06	3.52E-06
2681	490460.04, 3859010.04	4.78E-02	1.51E-05	6.40E-06	2.56E-02	8.07E-06	3.42E-06	3.57E-03	1.13E-06	6.48E-08	3.55E-03	1.12E-06	8.50E-08	6.42E-06	3.44E-06
2682	490510.04, 3859010.04	4.69E-02	1.48E-05	6.29E-06	2.50E-02	7.90E-06	3.35E-06	3.40E-03	1.07E-06	6.17E-08	3.38E-03	1.07E-06	8.10E-08	6.31E-06	3.37E-06
2683	490560.04, 3859010.04	4.61E-02	1.45E-05	6.17E-06	2.45E-02	7.75E-06	3.29E-06	3.29E-03	1.04E-06	5.97E-08	3.27E-03	1.03E-06	7.83E-08	6.19E-06	3.31E-06
2684	490610.04, 3859010.04	4.53E-02	1.43E-05	6.07E-06	2.41E-02	7.60E-06	3.22E-06	3.14E-03	9.90E-07	5.70E-08	3.12E-03	9.85E-07	7.48E-08	6.09E-06	3.24E-06
2685	490660.04, 3859010.04	4.45E-02	1.40E-05	5.96E-06	2.36E-02	7.46E-06	3.16E-06	3.05E-03	9.62E-07	5.53E-08	3.03E-03	9.57E-07	7.27E-08	5.98E-06	3.18E-06
2686	490710.04, 3859010.04	4.39E-02	1.38E-05	5.87E-06	2.32E-02	7.33E-06	3.11E-06	2.91E-03	9.18E-07	5.28E-08	2.90E-03	9.14E-07	6.94E-08	5.89E-06	3.13E-06
2687	490760.04, 3859010.04	4.32E-02	1.36E-05	5.79E-06	2.28E-02	7.21E-06	3.06E-06	2.79E-03	8.81E-07	5.06E-08	2.78E-03	8.77E-07	6.66E-08	5.80E-06	3.07E-06
2688	490810.04, 3859010.04	4.26E-02	1.35E-05	5.71E-06	2.25E-02	7.10E-06	3.01E-06	2.68E-03	8.44E-07	4.86E-08	2.67E-03	8.42E-07	6.39E-08	5.73E-06	3.03E-06
2689	490860.04, 3859010.04	4.21E-02	1.33E-05	5.63E-06	2.21E-02	6.99E-06	2.97E-06	2.58E-03	8.13E-07	4.68E-08	2.57E-03	8.11E-07	6.16E-08	5.65E-06	2.98E-06
2690	490360.04, 3859060.04	5.07E-02	1.60E-05	6.79E-06	2.74E-02	8.63E-06	3.66E-06	4.14E-03	1.31E-06	7.52E-08	4.13E-03	1.30E-06	9.90E-08	6.81E-06	3.69E-06
2691	490410.04, 3859060.04	4.97E-02	1.57E-05	6.65E-06	2.67E-02	8.43E-06	3.57E-06	3.91E-03	1.23E-06	7.09E-08	3.90E-03	1.23E-06	9.33E-08	6.67E-06	3.60E-06
2692	490460.04, 3859060.04	4.87E-02	1.54E-05	6.52E-06	2.61E-02	8.23E-06	3.49E-06	3.71E-03	1.17E-06	6.74E-08	3.71E-03	1.17E-06	8.88E-08	6.54E-06	3.51E-06
2693	490510.04, 3859060.04	4.77E-02	1.51E-05	6.39E-06	2.55E-02	8.05E-06	3.42E-06	3.55E-03	1.12E-06	6.44E-08	3.54E-03	1.12E-06	8.48E-08	6.41E-06	3.44E-06
2694	490560.04, 3859060.04	4.69E-02	1.48E-05	6.27E-06	2.50E-02	7.89E-06	3.35E-06	3.37E-03	1.06E-06	6.13E-08	3.37E-03	1.06E-06	8.07E-08	6.29E-06	3.37E-06
2695	490610.04, 3859060.04	4.60E-02	1.45E-05	6.16E-06	2.45E-02	7.73E-06	3.28E-06	3.25E-03	1.02E-06	5.89E-08	3.24E-03	1.02E-06	7.76E-08	6.18E-06	3.30E-06
2696	490660.04, 3859060.04	4.52E-02	1.43E-05	6.05E-06	2.40E-02	7.58E-06	3.22E-06	3.13E-03	9.88E-07	5.68E-08	3.13E-03	9.87E-07	7.49E-08	6.07E-06	3.23E-06

2697	490710.04, 3859060.04	4.45E-02	1.40E-05	5.96E-06	2.36E-02	7.44E-06	3.16E-06	2.98E-03	9.42E-07	5.42E-08	2.98E-03	9.41E-07	7.14E-08	5.97E-06	3.17E-06
2698	490760.04, 3859060.04	4.38E-02	1.38E-05	5.87E-06	2.32E-02	7.32E-06	3.10E-06	2.86E-03	9.01E-07	5.18E-08	2.85E-03	9.01E-07	6.84E-08	5.89E-06	3.12E-06
2699	490810.04, 3859060.04	4.32E-02	1.36E-05	5.79E-06	2.28E-02	7.20E-06	3.05E-06	2.74E-03	8.63E-07	4.96E-08	2.73E-03	8.63E-07	6.55E-08	5.80E-06	3.07E-06
2700	490860.04, 3859060.04	4.26E-02	1.35E-05	5.71E-06	2.24E-02	7.08E-06	3.00E-06	2.63E-03	8.30E-07	4.77E-08	2.63E-03	8.30E-07	6.30E-08	5.72E-06	3.02E-06
2701	490360.04, 3859110.04	5.18E-02	1.64E-05	6.94E-06	2.81E-02	8.86E-06	3.76E-06	4.41E-03	1.39E-06	8.01E-08	4.42E-03	1.39E-06	1.06E-07	6.97E-06	3.79E-06
2702	490410.04, 3859110.04	5.07E-02	1.60E-05	6.79E-06	2.74E-02	8.63E-06	3.66E-06	4.14E-03	1.31E-06	7.52E-08	4.15E-03	1.31E-06	9.94E-08	6.81E-06	3.69E-06
2703	490460.04, 3859110.04	4.96E-02	1.56E-05	6.64E-06	2.67E-02	8.42E-06	3.57E-06	3.94E-03	1.24E-06	7.16E-08	3.95E-03	1.25E-06	9.45E-08	6.66E-06	3.60E-06
2704	490510.04, 3859110.04	4.87E-02	1.54E-05	6.52E-06	2.61E-02	8.23E-06	3.49E-06	3.69E-03	1.16E-06	6.69E-08	3.69E-03	1.16E-06	8.84E-08	6.54E-06	3.51E-06
2705	490560.04, 3859110.04	4.77E-02	1.51E-05	6.39E-06	2.55E-02	8.04E-06	3.41E-06	3.51E-03	1.11E-06	6.38E-08	3.51E-03	1.11E-06	8.42E-08	6.41E-06	3.43E-06
2706	490610.04, 3859110.04	4.68E-02	1.48E-05	6.27E-06	2.49E-02	7.87E-06	3.34E-06	3.34E-03	1.05E-06	6.06E-08	3.34E-03	1.06E-06	8.01E-08	6.29E-06	3.36E-06
2707	490660.04, 3859110.04	4.61E-02	1.45E-05	6.17E-06	2.45E-02	7.72E-06	3.28E-06	3.17E-03	1.00E-06	5.76E-08	3.17E-03	1.00E-06	7.61E-08	6.19E-06	3.29E-06
2708	490710.04, 3859110.04	4.53E-02	1.43E-05	6.06E-06	2.40E-02	7.57E-06	3.21E-06	3.05E-03	9.64E-07	5.54E-08	3.06E-03	9.65E-07	7.33E-08	6.08E-06	3.23E-06
2709	490760.04, 3859110.04	4.45E-02	1.41E-05	5.96E-06	2.36E-02	7.44E-06	3.16E-06	2.92E-03	9.23E-07	5.31E-08	2.93E-03	9.25E-07	7.02E-08	5.98E-06	3.17E-06
2710	490810.04, 3859110.04	4.39E-02	1.39E-05	5.88E-06	2.32E-02	7.31E-06	3.10E-06	2.79E-03	8.82E-07	5.07E-08	2.80E-03	8.84E-07	6.71E-08	5.89E-06	3.12E-06
2711	490860.04, 3859110.04	4.33E-02	1.37E-05	5.80E-06	2.28E-02	7.20E-06	3.05E-06	2.67E-03	8.43E-07	4.85E-08	2.68E-03	8.47E-07	6.43E-08	5.81E-06	3.07E-06
2712	490360.04, 3859160.04	5.32E-02	1.68E-05	7.12E-06	2.89E-02	9.14E-06	3.88E-06	4.74E-03	1.50E-06	8.61E-08	4.77E-03	1.51E-06	1.14E-07	7.15E-06	3.90E-06
2713	490410.04, 3859160.04	5.19E-02	1.64E-05	6.95E-06	2.81E-02	8.88E-06	3.77E-06	4.45E-03	1.40E-06	8.07E-08	4.47E-03	1.41E-06	1.07E-07	6.98E-06	3.79E-06
2714	490460.04, 3859160.04	5.07E-02	1.60E-05	6.79E-06	2.74E-02	8.64E-06	3.67E-06	4.19E-03	1.32E-06	7.60E-08	4.21E-03	1.33E-06	1.01E-07	6.81E-06	3.69E-06
2715	490510.04, 3859160.04	4.96E-02	1.56E-05	6.64E-06	2.67E-02	8.42E-06	3.57E-06	3.95E-03	1.25E-06	7.17E-08	3.96E-03	1.25E-06	9.50E-08	6.66E-06	3.60E-06
2716	490560.04, 3859160.04	4.86E-02	1.53E-05	6.51E-06	2.61E-02	8.22E-06	3.49E-06	3.70E-03	1.17E-06	6.72E-08	3.72E-03	1.17E-06	8.91E-08	6.53E-06	3.51E-06
2717	490610.04, 3859160.04	4.76E-02	1.50E-05	6.38E-06	2.55E-02	8.04E-06	3.41E-06	3.53E-03	1.11E-06	6.40E-08	3.54E-03	1.12E-06	8.49E-08	6.40E-06	3.43E-06
2718	490660.04, 3859160.04	4.69E-02	1.48E-05	6.29E-06	2.50E-02	7.88E-06	3.34E-06	3.28E-03	1.03E-06	5.95E-08	3.29E-03	1.04E-06	7.89E-08	6.31E-06	3.36E-06
2719	490710.04, 3859160.04	4.61E-02	1.45E-05	6.17E-06	2.45E-02	7.72E-06	3.28E-06	3.14E-03	9.92E-07	5.71E-08	3.16E-03	9.97E-07	7.57E-08	6.19E-06	3.29E-06
2720	490760.04, 3859160.04	4.54E-02	1.43E-05	6.08E-06	2.40E-02	7.59E-06	3.22E-06	2.97E-03	9.38E-07	5.40E-08	2.99E-03	9.44E-07	7.17E-08	6.10E-06	3.24E-06
2721	490810.04, 3859160.04	4.47E-02	1.41E-05	5.98E-06	2.36E-02	7.45E-06	3.16E-06	2.86E-03	9.03E-07	5.19E-08	2.88E-03	9.09E-07	6.90E-08	6.00E-06	3.18E-06
2722	490860.04, 3859160.04	4.40E-02	1.39E-05	5.89E-06	2.32E-02	7.32E-06	3.10E-06	2.75E-03	8.68E-07	4.99E-08	2.77E-03	8.74E-07	6.64E-08	5.91E-06	3.12E-06
2723	490360.04, 3859210.04	5.48E-02	1.73E-05	7.34E-06	3.00E-02	9.46E-06	4.02E-06	5.14E-03	1.62E-06	9.34E-08	5.20E-03	1.64E-06	1.25E-07	7.37E-06	4.05E-06
2724	490410.04, 3859210.04	5.33E-02	1.68E-05	7.13E-06	2.91E-02	9.18E-06	3.89E-06	4.87E-03	1.54E-06	8.84E-08	4.92E-03	1.55E-06	1.18E-07	7.16E-06	3.92E-06
2725	490460.04, 3859210.04	5.20E-02	1.64E-05	6.96E-06	2.82E-02	8.90E-06	3.78E-06	4.48E-03	1.42E-06	8.14E-08	4.52E-03	1.43E-06	1.08E-07	6.99E-06	3.80E-06
2726	490510.04, 3859210.04	5.08E-02	1.60E-05	6.80E-06	2.74E-02	8.66E-06	3.67E-06	4.20E-03	1.33E-06	7.62E-08	4.23E-03	1.34E-06	1.01E-07	6.82E-06	3.70E-06
2727	490560.04, 3859210.04	4.96E-02	1.57E-05	6.64E-06	2.67E-02	8.43E-06	3.58E-06	3.99E-03	1.26E-06	7.23E-08	4.02E-03	1.27E-06	9.63E-08	6.67E-06	3.60E-06
2728	490610.04, 3859210.04	4.86E-02	1.53E-05	6.51E-06	2.61E-02	8.23E-06	3.49E-06	3.75E-03	1.18E-06	6.81E-08	3.78E-03	1.19E-06	9.06E-08	6.53E-06	3.51E-06
2729	490660.04, 3859210.04	4.77E-02	1.51E-05	6.39E-06	2.55E-02	8.04E-06	3.41E-06	3.49E-03	1.10E-06	6.33E-08	3.52E-03	1.11E-06	8.42E-08	6.41E-06	3.43E-06
2730	490710.04, 3859210.04	4.68E-02	1.48E-05	6.27E-06	2.49E-02	7.86E-06	3.34E-06	3.31E-03	1.04E-06	6.01E-08	3.34E-03	1.05E-06	7.99E-08	6.29E-06	3.36E-06
2731	490760.04, 3859210.04	4.62E-02	1.46E-05	6.18E-06	2.45E-02	7.73E-06	3.28E-06	3.13E-03	9.88E-07	5.68E-08	3.16E-03	9.97E-07	7.57E-08	6.20E-06	3.30E-06
2732	490810.04, 3859210.04	4.52E-02	1.43E-05	6.06E-06	2.40E-02	7.57E-06	3.21E-06	3.04E-03	9.60E-07	5.52E-08	3.07E-03	9.70E-07	7.36E-08	6.08E-06	3.23E-06
2733	490860.04, 3859210.04	4.44E-02	1.40E-05	5.94E-06	2.35E-02	7.42E-06	3.15E-06	2.96E-03	9.33E-07	5.37E-08	2.99E-03	9.42E-07	7.15E-08	5.96E-06	3.17E-06
2734	490360.04, 3859260.04	5.68E-02	1.79E-05	7.61E-06	3.13E-02	9.87E-06	4.19E-06	5.59E-03	1.76E-06	1.01E-07	5.68E-03	1.79E-06	1.36E-07	7.64E-06	4.22E-06
2735	490410.04, 3859260.04	5.51E-02	1.74E-05	7.38E-06	3.02E-02	9.53E-06	4.04E-06	5.24E-03	1.65E-06	9.51E-08	5.31E-03	1.68E-06	1.27E-07	7.41E-06	4.08E-06
2736	490460.04, 3859260.04	5.35E-02	1.69E-05	7.16E-06	2.92E-02	9.23E-06	3.91E-06	4.95E-03	1.56E-06	8.99E-08	5.02E-03	1.58E-06	1.20E-07	7.19E-06	3.94E-06
2737	490510.04, 3859260.04	5.20E-02	1.64E-05	6.96E-06	2.83E-02	8.94E-06	3.79E-06	4.68E-03	1.48E-06	8.50E-08	4.74E-03	1.50E-06	1.14E-07	6.99E-06	3.82E-06
2738	490560.04, 3859260.04	5.08E-02	1.60E-05	6.80E-06	2.75E-02	8.69E-06	3.69E-06	4.38E-03	1.38E-06	7.96E-08	4.44E-03	1.40E-06	1.06E-07	6.82E-06	3.71E-06
2739	490610.04, 3859260.04	4.97E-02	1.57E-05	6.65E-06	2.68E-02	8.46E-06	3.59E-06	4.06E-03	1.28E-06	7.36E-08	4.11E-03	1.30E-06	9.84E-08	6.68E-06	3.61E-06
2740	490660.04, 3859260.04	4.85E-02	1.53E-05	6.49E-06	2.61E-02	8.24E-06	3.50E-06	3.91E-03	1.23E-06	7.09E-08	3.95E-03	1.25E-06	9.47E-08	6.51E-06	3.52E-06
2741	490710.04, 3859260.04	4.74E-02	1.50E-05	6.35E-06	2.55E-02	8.04E-06	3.41E-06	3.70E-03	1.17E-06	6.72E-08	3.74E-03	1.18E-06	8.97E-08	6.37E-06	3.43E-06
2742	490760.04, 3859260.04	4.66E-02	1.47E-05	6.25E-06	2.49E-02	7.87E-06	3.34E-06	3.47E-03	1.09E-06	6.30E-08	3.51E-03	1.11E-06	8.41E-08	6.27E-06	3.36E-06
2743	490810.04, 3859260.04	4.57E-02	1.44E-05	6.12E-06	2.44E-02	7.70E-06	3.27E-06	3.34E-03	1.06E-06	6.07E-08	3.39E-03	1.07E-06	8.11E-08	6.14E-06	3.29E-06
2744	490860.04, 3859260.04	4.48E-02	1.41E-05	6.00E-06	2.39E-02	7.54E-06	3.20E-06	3.23E-03	1.02E-06	5.86E-08	3.27E-03	1.03E-06	7.83E-08	6.02E-06	3.22E-06
2745	490360.04, 3859310.04	5.94E-02	1.87E-05	7.95E-06	3.29E-02	1.04E-05	4.41E-06	6.26E-03	1.98E-06	1.14E-07	6.39E-03	2.02E-06	1.53E-07	7.99E-06	4.45E-06
2746	490410.04, 3859310.04	5.73E-02	1.81E-05	7.67E-06	3.16E-02	9.99E-06	4.24E-06	5.83E-03	1.84E-06	1.06E-07	5.94E-03	1.88E-06	1.42E-07	7.71E-06	4.27E-06
2747	490460.04, 3859310.04	5.54E-02	1.75E-05	7.42E-06	3.05E-02	9.63E-06	4.08E-06	5.47E-03	1.73E-06	9.92E-08	5.57E-03	1.76E-06	1.33E-07	7.46E-06	4.12E-06
2748	490510.04, 3859310.04	5.37E-02	1.70E-05	7.20E-06	2.95E-02	9.31E-06	3.95E-06	5.17E-03	1.63E-06	9.39E-08	5.26E-03	1.66E-06	1.26E-07	7.23E-06	3.98E-06
2749	490560.04, 3859310.04	5.22E-02	1.65E-05	6.99E-06	2.86E-02	9.01E-06	3.82E-06	4.89E-03	1.54E-06	8.88E-08	4.97E-03	1.57E-06	1.19E-07	7.02E-06	3.85E-06
2750	490610.04, 3859310.04	5.08E-02	1.60E-05	6.80E-06	2.77E-02	8.75E-06	3.71E-06	4.65E-03	1.47E-06	8.45E-08	4.73E-03	1.49E-06	1.13E-07	6.83E-06	3.74E-06
2751	490660.04, 3859310.04	4.95E-02	1.56E-05	6.63E-06	2.69E-02	8.50E-06	3.61E-06	4.40E-03	1.39E-06	7.98E-08	4.47E-03	1.41E-06	1.07E-07	6.65E-06	3.63E-06
2752	490710.04, 3859310.04	4.84E-02	1.53E-05	6.49E-06	2.62E-02	8.27E-06	3.51E-06	4.07E-03	1.28E-06	7.39E-08	4.13E-03	1.30E-06	9.90E-08	6.51E-06	3.53E-06
2753	490760.04, 3859310.04	4.74E-02	1.50E-05	6.35E-06	2.56E-02	8.07E-06	3.42E-06	3.86E-03	1.22E-06	7.00E-08	3.91E-03	1.24E-06	9.38E-08	6.37E-06	3.45E-06
2754	490810.04, 3859310.04	4.63E-02	1.46E-05	6.21E-06	2.49E-02	7.87E-06	3.34E-06	3.70E-03	1.17E-06	6.72E-08	3.76E-03	1.19E-06	9.00E-08	6.23E-06	3.36E-06
2755	490860.04, 3859310.04	4.54E-02	1.43E-05	6.08E-06	2.44E-02	7.70E-06	3.27E-06	3.52E-03	1.11E-06	6.40E-08	3.58E-03	1.13E-06	8.58E-08	6.11E-06	3.29E-06
2756	490360.04, 3859360.04	6.27E-02	1.98E-05	8.40E-06	3.51E-02	1.11E-05	4.70E-06	7.12E-03	2.25E-06	1.29E-07	7.31E-03	2.31E-06	1.75E-07	8.44E-06	4.75E-06
2757	490410.04, 3859360.04	6.01E-02	1.90E-05	8.05E-06	3.36E-02	1.06E-05	4.49E-06	6.65E-03	2.10E-06	1.21E-07	6.82E-03	2.15E-06	1.63E-07	8.09E-06	4.54E-06
2758	490460.04, 3859360.04	5.78E-02	1.82E-05	7.74E-06	3.22E-02	1.02E-05	4.31E-06	6.25E-03	1.97E-06	1.13E-07	6.39E-03	2.02E-06	1.53E-07	7.78E-06	4.35E-06
2759	490510.04, 3859360.04	5.58E-02	1.76E-05	7.47E-06	3.10E-02	9.77E-06	4.14E-06	5.88E-03	1.85E-06	1.07E-07	6.01E-03	1.90E-06	1.44E-07	7.51E-06	4.18E-06
2760	490560.04, 3859360.04	5.40E-02	1.70E-05	7.23E-06	2.98E-02	9.41E-06	3.99E-06	5.49E-03	1.73E-06	9.97E-08	5.61E-03	1.77E-06	1.34E-07	7.27E-06	4.03E-06
2761	490610.04, 3859360.04	5.24E-02	1.65E-05	7.02E-06	2.88E-02	9.10E-06	3.86E-06	5.15E-03	1.63E-06	9.36E-08	5.26E-03	1.66E-06	1.26E-07	7.05E-06	3.89E-06
2762	490660.04, 3859360.04	5.09E-02	1.61E-05	6.82E-06	2.79E-02	8.81E-06	3.74E-06	4.87E-03	1.54E-06	8.84E-08	4.97E-03	1.57E-06	1.19E-07	6.85E-06	3.77E-06
2763	490710.04, 3859360.04	4.96E-02	1.57E-05	6.64E-06	2.71E-02	8.55E-06	3.63E-06	4.56E-03	1.44E-06	8.28E-08	4.65E-03	1.47E-06	1.11E-07	6.67E-06	3.66E-06
2764	490760.04, 3859360.04	4.84E-02	1.53E-05	6.49E-06	2.63E-02	8.31E-06	3.53E-06	4.27E-03	1.35E-06	7.75E-08	4.35E-03	1.37E-06	1.04E-07	6.51E-06	3.55E-06
2765	490810.04, 3859360.04	4.72E-02	1.49E-05	6.33E-06	2.57E-02	8.10E-06	3.43E-06	4.12E-03	1.30E-06	7.47E-08	4.19E-03	1.32E-06	1.00E-07	6.35E-06	3.46E-06
2766	490860.04, 3859360.04	4.62E-02	1.46E-05	6.19E-06	2.50E-02	7.90E-06	3.35E-06	3.92E-03	1.24E-06	7.12E-08	3.99E-03	1.26E-06	9.57E-08	6.21E-06	3.37E-06
2767	490360.04, 3859410.04	6.72E-02	2.12E-05	9.00E-06	3.81E-02	1.20E-05	5.10E-06	8.27E-03	2.61E-06	1.50E-07	8.53E-03	2.69E-06	2.04E-07	9.06E-06	5.15E-06
2768	490410.04, 3859410.04	6.38E-02	2.02E-05	8.55E-06	3.60E-02	1.14E-05	4.83E-06	7.70E-03	2.43E-06	1.40E-07	7.92E-03	2.50E-06	1.90E-07	8.60E-06	4.88E-06
2769	490460.04, 3859410.04	6.10E-02	1.92E-05	8.17E-06	3.43E-02	1.08E-05	4.60E-06	7.18E-03	2.27E-06	1.30E-07	7.38E-03	2.33E-06	1.77E-07	8.21E-06	4.64E-06
2770	490510.04, 3859410.04	5.85E-02	1.85E-05	7.84E-06	3.28E-02	1.04E-05	4.39E-06	6.71E-03	2.12E-06	1.22E-07	6.89E-03	2.18E-06	1.65E-07	7.88E-06	4.44E-06
2771	490560.04, 3859410.04	5.63E-02	1.78E-05	7.54E-06	3.15E-02	9.94E-06	4.22E-06	6.29E-03	1.99E-06	1.14E-07	6.46E-03	2.04E-06	1.55E-07	7.59E-06	4.26E-06
2772	490610.04, 3859410.04	5.44E-02	1.72E-05	7.29E-06	3.03E-02	9.57E-06	4.06E-06	5.92E-03	1.87E-06	1.07E-07	6.06E-03	1.91E-06	1.45E-07	7.33E-06	4.10E-06
2773	490660.04, 3859410.04	5.27E-02	1.66E-05	7.06E-06	2.92E-02	9.21E-06	3.91E-06	5.49E-03	1.73E-06	9.97E-08	5.63E-03	1.78E-06	1.35E-07	7.09E-06	3.94E-06
2774	490710.04, 3859410.04	5.12E-02	1.61E-05	6.85E-06	2.82E-02	8.91E-06	3.78E-06	5.14E-03	1.62E-06	9.33E-08	5.26E-03	1.66E-06	1.26E-07	6.88E-06	3.81E-06
2775	490760.04, 3859410.04	4.98E-02	1.57E-05	6.67E-06	2.73E-02	8.62E-06	3.66E-06	4.78E-03	1.51E-06	8.68E-08	4.89E-03	1.54E-06	1.17E-07	6.70E-06	3.69E-06
2776	490810.04, 3859410.04	4.85E-02	1.53E-05	6.49E-06	2.66E-02	8.38E-06	3.56E-06	4.59E-03	1.45E-06	8.33E-08	4.69E-03	1.48E-06	1.12E-07	6.52E-06	3.59E-06
2777	490860.04, 3859410.04	4.72E-02	1.49E-05	6.32E-06	2.58E-02	8.16E-06	3.46E-06	4.43E-03	1.40E-06	8.04E-08	4.53E-03	1.43E-06	1.08E-07	6.35E-06	3.49E-06
2778	490360.04, 3859460.04	7.36E-02	2.32E-05	9.86E-06	4.22E-02	1.33E-05	5.65E-06	9.88E-03	3.12E-06	1.79E-07	1.02E-02	3.23E-06	2.45E-07	9.93E-06	5.72E-06
2779	490410.04, 3859460.04	6.91E-02	2.18E-05	9.26E-06	3.95E-02	1.25E-05	5.29E-06	9.05E-03	2.86E-06	1.64E-07	9.36E-03	2.95E-06	2.24E-07	9.32E-06	5.35E-06
2780	490460.04, 3859460.04	6.55E-02	2.07E-05	8.77E-06	3.73E-02	1.18E-05	4.99E-06	8.39E-03	2.65E-06	1.52E-07	8.66E-03	2.73E-06	2.08E-07	8.82E-06	5.05E-06
2781	490510.04, 3859460.04	6.24E-02	1.97E-05	8.35E-06	3.54E-02	1.12E-05	4.74E-06	7.79E-03	2.46E-06	1.41E-07	8.04E-03	2.54E-06	1.93E-07	8.40E-06	4.79E-06
2782	490560.04, 3859460.04	5.97E-02	1.88E-05	7.99E-06	3.37E-02	1.06E-05	4.52E-06	7.27E-03	2.30E-06	1.32E-07	7.50E-03	2.37E-06	1.80E-07	8.04E-06	4.57E-06
2783	490610.04, 3859460.04	5.73E-02	1.81E-05	7.67E-06	3.23E-02	1.02E-05	4.32E-06	6.78E-03	2.14E-06	1.23E-07	6.98E-03	2.20E-06	1.67E-07	7.72E-06	4.36E-06
2784	490660.04, 3859460.04	5.52E-02	1.74E-05	7.39E-06	3.09E-02	9.77E-06	4.14E-06	6.31E-03	1.99E-06	1.15E-07	6.50E-03	2.05E-06	1.56E-07	7.43E-06	4.18E-06
2785	490710.04, 3859460.04	5.33E-02	1.68E-05	7.14E-06	2.98E-02	9.40E-06	3.99E-06	5.93E-03	1.87E-06	1.08E-07	6.10E-03	1.92E-06	1.46E-07	7.18E-06	4.03E-06
2786	490760.04, 3859460.04	5.16E-02	1.63E-05	6.92E-06	2.87E-02	9.07E-06	3.85E-06	5.56E-03	1.75E-06	1.01E-07	5.71E-03	1.80E-06	1.37E-07	6.95E-06	3.88E-06

2787	490810.04, 3859460.04	5.01E-02	1.58E-05	6.71E-06	2.78E-02	8.76E-06	3.72E-06	5.23E-03	1.65E-06	9.49E-08	5.37E-03	1.69E-06	1.29E-07	6.75E-06	3.75E-06
2788	490860.04, 3859460.04	4.87E-02	1.54E-05	6.52E-06	2.69E-02	8.50E-06	3.61E-06	5.00E-03	1.58E-06	9.08E-08	5.14E-03	1.62E-06	1.23E-07	6.55E-06	3.64E-06
2789	490360.04, 3859510.04	8.53E-02	2.69E-05	1.14E-05	4.95E-02	1.56E-05	6.63E-06	1.23E-02	3.90E-06	2.24E-07	1.28E-02	4.05E-06	3.07E-07	1.15E-05	6.71E-06
2790	490410.04, 3859510.04	7.85E-02	2.48E-05	1.05E-05	4.54E-02	1.43E-05	6.08E-06	1.12E-02	3.53E-06	2.03E-07	1.16E-02	3.67E-06	2.78E-07	1.06E-05	6.16E-06
2791	490460.04, 3859510.04	7.30E-02	2.30E-05	9.78E-06	4.21E-02	1.33E-05	5.64E-06	1.01E-02	3.20E-06	1.84E-07	1.05E-02	3.33E-06	2.52E-07	9.84E-06	5.70E-06
2792	490510.04, 3859510.04	6.85E-02	2.16E-05	9.18E-06	3.94E-02	1.24E-05	5.27E-06	9.32E-03	2.94E-06	1.69E-07	9.67E-03	3.05E-06	2.32E-07	9.24E-06	5.34E-06
2793	490560.04, 3859510.04	6.48E-02	2.04E-05	8.68E-06	3.71E-02	1.17E-05	4.97E-06	8.61E-03	2.72E-06	1.56E-07	8.93E-03	2.82E-06	2.14E-07	8.73E-06	5.02E-06
2794	490610.04, 3859510.04	6.16E-02	1.94E-05	8.25E-06	3.51E-02	1.11E-05	4.70E-06	7.95E-03	2.51E-06	1.44E-07	8.24E-03	2.60E-06	1.97E-07	8.30E-06	4.75E-06
2795	490660.04, 3859510.04	5.88E-02	1.86E-05	7.88E-06	3.34E-02	1.05E-05	4.47E-06	7.38E-03	2.33E-06	1.34E-07	7.64E-03	2.41E-06	1.83E-07	7.93E-06	4.52E-06
2796	490710.04, 3859510.04	5.64E-02	1.78E-05	7.55E-06	3.19E-02	1.01E-05	4.27E-06	6.86E-03	2.16E-06	1.24E-07	7.09E-03	2.24E-06	1.70E-07	7.60E-06	4.31E-06
2797	490760.04, 3859510.04	5.43E-02	1.71E-05	7.27E-06	3.06E-02	9.65E-06	4.09E-06	6.41E-03	2.02E-06	1.16E-07	6.62E-03	2.09E-06	1.59E-07	7.31E-06	4.13E-06
2798	490810.04, 3859510.04	5.24E-02	1.65E-05	7.02E-06	2.94E-02	9.28E-06	3.94E-06	6.03E-03	1.90E-06	1.10E-07	6.23E-03	1.97E-06	1.49E-07	7.06E-06	3.98E-06
2799	490860.04, 3859510.04	5.07E-02	1.60E-05	6.79E-06	2.83E-02	8.94E-06	3.79E-06	5.68E-03	1.79E-06	1.03E-07	5.86E-03	1.85E-06	1.40E-07	6.82E-06	3.83E-06
2800	490360.04, 3859560.04	1.14E-01	3.59E-05	1.52E-05	6.59E-02	2.08E-05	8.83E-06	1.64E-02	5.17E-06	2.97E-07	1.71E-02	5.41E-06	4.10E-07	1.53E-05	8.94E-06
2801	490410.04, 3859560.04	9.85E-02	3.11E-05	1.32E-05	5.73E-02	1.81E-05	7.67E-06	1.45E-02	4.58E-06	2.64E-07	1.52E-02	4.79E-06	3.64E-07	1.33E-05	7.77E-06
2802	490460.04, 3859560.04	8.74E-02	2.76E-05	1.17E-05	5.09E-02	1.61E-05	6.82E-06	1.30E-02	4.09E-06	2.35E-07	1.36E-02	4.28E-06	3.25E-07	1.18E-05	6.91E-06
2803	490510.04, 3859560.04	7.93E-02	2.50E-05	1.06E-05	4.61E-02	1.45E-05	6.17E-06	1.16E-02	3.66E-06	2.10E-07	1.21E-02	3.82E-06	2.90E-07	1.07E-05	6.25E-06
2804	490560.04, 3859560.04	7.31E-02	2.31E-05	9.79E-06	4.24E-02	1.34E-05	5.68E-06	1.06E-02	3.33E-06	1.92E-07	1.10E-02	3.47E-06	2.64E-07	9.86E-06	5.75E-06
2805	490610.04, 3859560.04	6.82E-02	2.15E-05	9.14E-06	3.94E-02	1.24E-05	5.28E-06	9.63E-03	3.04E-06	1.75E-07	1.00E-02	3.17E-06	2.40E-07	9.20E-06	5.34E-06
2806	490660.04, 3859560.04	6.42E-02	2.03E-05	8.60E-06	3.70E-02	1.17E-05	4.95E-06	8.84E-03	2.79E-06	1.60E-07	9.21E-03	2.91E-06	2.21E-07	8.66E-06	5.01E-06
2807	490710.04, 3859560.04	6.08E-02	1.92E-05	8.15E-06	3.49E-02	1.10E-05	4.67E-06	8.13E-03	2.57E-06	1.48E-07	8.47E-03	2.67E-06	2.03E-07	8.20E-06	4.72E-06
2808	490760.04, 3859560.04	5.80E-02	1.83E-05	7.76E-06	3.30E-02	1.04E-05	4.42E-06	7.47E-03	2.36E-06	1.36E-07	7.77E-03	2.45E-06	1.86E-07	7.81E-06	4.48E-06
2809	490810.04, 3859560.04	5.55E-02	1.75E-05	7.43E-06	3.15E-02	9.94E-06	4.22E-06	6.94E-03	2.19E-06	1.26E-07	7.21E-03	2.28E-06	1.73E-07	7.48E-06	4.27E-06
2810	490860.04, 3859560.04	5.34E-02	1.68E-05	7.15E-06	3.01E-02	9.52E-06	4.04E-06	6.47E-03	2.04E-06	1.17E-07	6.71E-03	2.12E-06	1.61E-07	7.19E-06	4.08E-06
2811	490187.25, 3859422.08	8.99E-02	2.84E-05	1.20E-05	5.14E-02	1.62E-05	6.88E-06	1.18E-02	3.72E-06	2.14E-07	1.23E-02	3.87E-06	2.94E-07	1.21E-05	6.96E-06
2812	490237.25, 3859422.08	8.19E-02	2.59E-05	1.10E-05	4.68E-02	1.48E-05	6.26E-06	1.07E-02	3.37E-06	1.94E-07	1.11E-02	3.50E-06	2.65E-07	1.10E-05	6.33E-06
2813	490287.25, 3859422.08	7.55E-02	2.38E-05	1.01E-05	4.30E-02	1.36E-05	5.76E-06	9.74E-03	3.08E-06	1.77E-07	1.01E-02	3.18E-06	2.42E-07	1.02E-05	5.83E-06
2814	490337.25, 3859422.08	7.05E-02	2.22E-05	9.44E-06	4.01E-02	1.26E-05	5.36E-06	8.92E-03	2.81E-06	1.62E-07	9.21E-03	2.91E-06	2.21E-07	9.50E-06	5.42E-06
2815	490187.25, 3859472.08	1.12E-01	3.55E-05	1.51E-05	6.43E-02	2.03E-05	8.61E-06	1.48E-02	4.68E-06	2.69E-07	1.55E-02	4.89E-06	3.71E-07	1.52E-05	8.71E-06
2816	490237.25, 3859472.08	9.60E-02	3.03E-05	1.29E-05	5.53E-02	1.74E-05	7.40E-06	1.32E-02	4.18E-06	2.40E-07	1.38E-02	4.35E-06	3.30E-07	1.29E-05	7.49E-06
2817	490287.25, 3859472.08	8.54E-02	2.69E-05	1.14E-05	4.92E-02	1.55E-05	6.59E-06	1.19E-02	3.75E-06	2.16E-07	1.24E-02	3.90E-06	2.96E-07	1.15E-05	6.67E-06
2818	490337.25, 3859472.08	7.83E-02	2.47E-05	1.05E-05	4.51E-02	1.42E-05	6.04E-06	1.08E-02	3.41E-06	1.96E-07	1.12E-02	3.54E-06	2.69E-07	1.06E-05	6.11E-06
2819	490297.07, 3859500.42	9.21E-02	2.91E-05	1.23E-05	5.35E-02	1.69E-05	7.16E-06	1.34E-02	4.22E-06	2.43E-07	1.39E-02	4.39E-06	3.33E-07	1.24E-05	7.25E-06
2820	490327.07, 3859500.42	8.71E-02	2.75E-05	1.17E-05	5.05E-02	1.59E-05	6.76E-06	1.26E-02	3.98E-06	2.29E-07	1.31E-02	4.14E-06	3.14E-07	1.17E-05	6.85E-06
2821	490297.07, 3859530.42	1.09E-01	3.44E-05	1.46E-05	6.33E-02	2.00E-05	8.48E-06	1.59E-02	5.02E-06	2.89E-07	1.66E-02	5.23E-06	3.97E-07	1.47E-05	8.59E-06
2822	490327.07, 3859530.42	1.01E-01	3.20E-05	1.36E-05	5.89E-02	1.86E-05	7.89E-06	1.48E-02	4.67E-06	2.69E-07	1.54E-02	4.87E-06	3.70E-07	1.37E-05	7.99E-06
2823	490319.73, 3859055.34	5.15E-02	1.63E-05	6.90E-06	2.79E-02	8.79E-06	3.73E-06	4.32E-03	1.36E-06	7.84E-08	4.31E-03	1.36E-06	1.03E-07	6.92E-06	3.75E-06
2824	490319.73, 3859105.34	5.27E-02	1.66E-05	7.06E-06	2.86E-02	9.04E-06	3.83E-06	4.60E-03	1.45E-06	8.34E-08	4.60E-03	1.45E-06	1.10E-07	7.09E-06	3.86E-06
2825	490069.73, 3859155.34	6.38E-02	2.01E-05	8.54E-06	3.52E-02	1.11E-05	4.72E-06	6.52E-03	2.06E-06	1.18E-07	6.58E-03	2.08E-06	1.58E-07	8.58E-06	4.76E-06
2826	490119.73, 3859155.34	6.14E-02	1.94E-05	8.22E-06	3.38E-02	1.07E-05	4.53E-06	6.15E-03	1.94E-06	1.12E-07	6.21E-03	1.96E-06	1.49E-07	8.26E-06	4.57E-06
2827	490269.73, 3859155.34	5.57E-02	1.76E-05	7.45E-06	3.05E-02	9.62E-06	4.08E-06	5.27E-03	1.66E-06	9.56E-08	5.30E-03	1.67E-06	1.27E-07	7.49E-06	4.12E-06
2828	490319.73, 3859155.34	5.41E-02	1.71E-05	7.25E-06	2.96E-02	9.33E-06	3.96E-06	4.96E-03	1.56E-06	9.00E-08	4.99E-03	1.57E-06	1.19E-07	7.28E-06	3.99E-06
2829	490069.73, 3859205.34	6.70E-02	2.12E-05	8.98E-06	3.74E-02	1.18E-05	5.00E-06	7.33E-03	2.31E-06	1.33E-07	7.45E-03	2.35E-06	1.78E-07	9.02E-06	5.05E-06
2830	490119.73, 3859205.34	6.42E-02	2.03E-05	8.59E-06	3.57E-02	1.13E-05	4.78E-06	6.91E-03	2.18E-06	1.26E-07	7.02E-03	2.22E-06	1.68E-07	8.64E-06	4.82E-06
2831	490169.73, 3859205.34	6.17E-02	1.95E-05	8.27E-06	3.42E-02	1.08E-05	4.59E-06	6.51E-03	2.05E-06	1.18E-07	6.60E-03	2.08E-06	1.58E-07	8.31E-06	4.63E-06
2832	490219.73, 3859205.34	5.96E-02	1.88E-05	7.98E-06	3.29E-02	1.04E-05	4.41E-06	6.09E-03	1.92E-06	1.11E-07	6.17E-03	1.95E-06	1.48E-07	8.01E-06	4.45E-06
2833	490269.73, 3859205.34	5.77E-02	1.82E-05	7.72E-06	3.17E-02	1.00E-05	4.25E-06	5.68E-03	1.79E-06	1.03E-07	5.75E-03	1.81E-06	1.38E-07	7.76E-06	4.29E-06
2834	490319.73, 3859205.34	5.59E-02	1.76E-05	7.49E-06	3.07E-02	9.68E-06	4.11E-06	5.37E-03	1.69E-06	9.75E-08	5.43E-03	1.71E-06	1.30E-07	7.52E-06	4.14E-06
2835	490069.73, 3859255.34	7.13E-02	2.25E-05	9.55E-06	4.01E-02	1.27E-05	5.37E-06	8.31E-03	2.62E-06	1.51E-07	8.50E-03	2.68E-06	2.04E-07	9.61E-06	5.42E-06
2836	490119.73, 3859255.34	6.79E-02	2.14E-05	9.09E-06	3.81E-02	1.20E-05	5.10E-06	7.77E-03	2.45E-06	1.41E-07	7.93E-03	2.50E-06	1.90E-07	9.14E-06	5.14E-06
2837	490169.73, 3859255.34	6.49E-02	2.05E-05	8.70E-06	3.63E-02	1.15E-05	4.86E-06	7.26E-03	2.29E-06	1.32E-07	7.41E-03	2.34E-06	1.78E-07	8.74E-06	4.91E-06
2838	490219.73, 3859255.34	6.24E-02	1.97E-05	8.35E-06	3.47E-02	1.10E-05	4.65E-06	6.76E-03	2.13E-06	1.23E-07	6.88E-03	2.17E-06	1.65E-07	8.40E-06	4.69E-06
2839	490269.73, 3859255.34	6.01E-02	1.90E-05	8.05E-06	3.33E-02	1.05E-05	4.46E-06	6.30E-03	1.99E-06	1.14E-07	6.41E-03	2.02E-06	1.53E-07	8.09E-06	4.50E-06
2840	490319.73, 3859255.34	5.81E-02	1.83E-05	7.78E-06	3.21E-02	1.01E-05	4.30E-06	5.91E-03	1.87E-06	1.07E-07	6.01E-03	1.90E-06	1.44E-07	7.81E-06	4.33E-06
2841	490069.73, 3859305.34	7.77E-02	2.45E-05	1.04E-05	4.41E-02	1.39E-05	5.90E-06	9.62E-03	3.04E-06	1.75E-07	9.92E-03	3.13E-06	2.38E-07	1.05E-05	5.96E-06
2842	490119.73, 3859305.34	7.32E-02	2.31E-05	9.81E-06	4.14E-02	1.31E-05	5.54E-06	8.90E-03	2.81E-06	1.62E-07	9.16E-03	2.89E-06	2.19E-07	9.87E-06	5.60E-06
2843	490169.73, 3859305.34	6.95E-02	2.19E-05	9.30E-06	3.91E-02	1.24E-05	5.24E-06	8.24E-03	2.60E-06	1.50E-07	8.47E-03	2.67E-06	2.03E-07	9.36E-06	5.29E-06
2844	490219.73, 3859305.34	6.63E-02	2.09E-05	8.87E-06	3.72E-02	1.17E-05	4.98E-06	7.64E-03	2.41E-06	1.39E-07	7.83E-03	2.47E-06	1.88E-07	8.92E-06	5.03E-06
2845	490269.73, 3859305.34	6.34E-02	2.00E-05	8.49E-06	3.54E-02	1.12E-05	4.75E-06	7.09E-03	2.24E-06	1.29E-07	7.25E-03	2.29E-06	1.74E-07	8.53E-06	4.79E-06
2846	490319.73, 3859305.34	6.09E-02	1.92E-05	8.16E-06	3.39E-02	1.07E-05	4.54E-06	6.58E-03	2.08E-06	1.19E-07	6.72E-03	2.12E-06	1.61E-07	8.20E-06	4.58E-06
2847	490069.73, 3859355.34	8.90E-02	2.81E-05	1.19E-05	5.07E-02	1.60E-05	6.79E-06	1.15E-02	3.63E-06	2.09E-07	1.19E-02	3.77E-06	2.86E-07	1.20E-05	6.87E-06
2848	490119.73, 3859355.34	8.19E-02	2.59E-05	1.10E-05	4.66E-02	1.47E-05	6.24E-06	1.05E-02	3.31E-06	1.90E-07	1.09E-02	3.43E-06	2.60E-07	1.10E-05	6.31E-06
2849	490169.73, 3859355.34	7.64E-02	2.41E-05	1.02E-05	4.34E-02	1.37E-05	5.81E-06	9.59E-03	3.03E-06	1.74E-07	9.91E-03	3.13E-06	2.37E-07	1.03E-05	5.87E-06
2850	490219.73, 3859355.34	7.19E-02	2.27E-05	9.63E-06	4.07E-02	1.28E-05	5.44E-06	8.79E-03	2.77E-06	1.59E-07	9.06E-03	2.86E-06	2.17E-07	9.68E-06	5.50E-06
2851	490269.73, 3859355.34	6.80E-02	2.15E-05	9.11E-06	3.83E-02	1.21E-05	5.14E-06	8.11E-03	2.56E-06	1.47E-07	8.35E-03	2.63E-06	2.00E-07	9.16E-06	5.19E-06
2852	490319.73, 3859355.34	6.47E-02	2.04E-05	8.66E-06	3.63E-02	1.15E-05	4.86E-06	7.49E-03	2.36E-06	1.36E-07	7.69E-03	2.43E-06	1.84E-07	8.71E-06	4.91E-06
2853	490069.73, 3859405.34	1.11E-01	3.50E-05	1.48E-05	6.31E-02	1.99E-05	8.45E-06	1.43E-02	4.50E-06	2.59E-07	1.49E-02	4.70E-06	3.57E-07	1.49E-05	8.55E-06
2854	490119.73, 3859405.34	9.73E-02	3.07E-05	1.30E-05	5.56E-02	1.75E-05	7.44E-06	1.27E-02	4.01E-06	2.31E-07	1.32E-02	4.18E-06	3.17E-07	1.31E-05	7.53E-06
2855	490169.73, 3859405.34	8.77E-02	2.77E-05	1.17E-05	5.01E-02	1.58E-05	6.71E-06	1.14E-02	3.61E-06	2.08E-07	1.19E-02	3.75E-06	2.85E-07	1.18E-05	6.78E-06
2856	490219.73, 3859405.34	8.05E-02	2.54E-05	1.08E-05	4.59E-02	1.45E-05	6.15E-06	1.04E-02	3.28E-06	1.89E-07	1.08E-02	3.40E-06	2.58E-07	1.09E-05	6.22E-06
2857	490269.73, 3859405.34	7.47E-02	2.36E-05	1.00E-05	4.25E-02	1.34E-05	5.69E-06	9.46E-03	2.98E-06	1.72E-07	9.78E-03	3.09E-06	2.34E-07	1.01E-05	5.75E-06
2858	490319.73, 3859405.34	6.99E-02	2.21E-05	9.36E-06	3.96E-02	1.25E-05	5.31E-06	8.67E-03	2.74E-06	1.57E-07	8.95E-03	2.82E-06	2.14E-07	9.42E-06	5.36E-06
2859	490161.89, 3859541.83	1.37E-01	4.33E-05	1.84E-05	8.35E-02	2.64E-05	1.12E-05	2.59E-02	8.19E-06	4.71E-07	2.70E-02	8.53E-06	6.48E-07	1.85E-05	1.14E-05
2860	490171.89, 3859541.83	1.35E-01	4.27E-05	1.81E-05	8.20E-02	2.59E-05	1.10E-05	2.50E-02	7.90E-06	4.54E-07	2.61E-02	8.23E-06	6.25E-07	1.83E-05	1.11E-05
2861	490161.89, 3859551.83	1.40E-01	4.40E-05	1.87E-05	8.64E-02	2.73E-05	1.16E-05	2.87E-02	9.04E-06	5.20E-07	2.99E-02	9.42E-06	7.15E-07	1.89E-05	1.18E-05
2862	490171.89, 3859551.83	1.37E-01	4.34E-05	1.84E-05	8.47E-02	2.67E-05	1.13E-05	2.76E-02	8.70E-06	5.00E-07	2.87E-02	9.06E-06	6.88E-07	1.86E-05	1.15E-05
2863	489799.72, 3859348.21	1.46E-01	4.61E-05	1.96E-05	8.68E-02	2.74E-05	1.16E-05	2.43E-02	7.68E-06	4.42E-07	2.58E-02	8.15E-06	6.19E-07	1.97E-05	1.18E-05
2864	489819.72, 3859348.21	1.42E-01	4.48E-05	1.90E-05	8.35E-02	2.64E-05	1.12E-05	2.24E-02	7.07E-06	4.06E-07	2.37E-02	7.48E-06	5.67E-07	1.92E-05	1.13E-05
2865	489799.72, 3859368.21	1.57E-01	4.96E-05	2.10E-05	9.52E-02	3.00E-05	1.27E-05	2.89E-02	9.13E-06	5.25E-07	3.09E-02	9.74E-06	7.39E-07	2.13E-05	1.30E-05
2866	489819.72, 3859368.21	1.53E-01	4.83E-05	2.05E-05	9.14E-02	2.88E-05	1.22E-05	2.62E-02	8.28E-06	4.76E-07	2.79E-02	8.80E-06	6.68E-07	2.07E-05	1.24E-05
2867	489775.41, 3859329.72	1.46E-01	4.61E-05	1.96E-05	8.62E-02	2.72E-05	1.15E-05	2.34E-02	7.39E-06	4.25E-07	2.48E-02	7.82E-06	5.94E-07	1.97E-05	1.17E-05
2868	489795.41, 3859329.72	1.41E-01	4.44E-05	1.89E-05	8.25E-02	2.60E-05	1.10E-05	2.16E-02	6.81E-06	3.92E-07	2.28E-02	7.20E-06	5.46E-07	1.90E-05	1.12E-05
2869	489775.41, 3859349.72	1.53E-01	4.82E-05	2.05E-05	9.22E-02	2.91E-05	1.23E-05	2.76E-02	8.71E-06	5.01E-07	2.94E-02	9.28E-06	7.04E-07	2.07E-05	1.25E-05
2870	489795.41, 3859349.72	1.48E-01	4.67E-05	1.98E-05	8.82E-02	2.78E-05	1.18E-05	2.51E-02	7.93E-06	4.56E-07	2.67E-02	8.42E-06	6.39E-07	2.00E-05	1.20E-05
2871	489595.05, 3859219.43	1.47E-01	4.63E-05	1.97E-05	8.53E-02	2.69E-05	1.14E-05	2.15E-02	6.80E-06	3.91E-07	2.27E-02	7.18E-06	5.45E-07	1.98E-05	1.16E-05
2872	489615.05, 3859219.43	1.42E-01	4.49E-05	1.90E-05	8.20E-02	2.59E-05	1.10E-05	1.99E-02	6.29E-06	3.62E-07	2.10E-02	6.62E-06	5.03E-07	1.92E-05	1.11E-05
2873	489595.05, 3859239.43	1.55E-01	4.89E-05	2.07E-05	9.16E-02	2.89E-05	1.23E-05	2.51E-02	7.92E-06	4.56E-07	2.66E-02	8.40E-06	6.37E-07	2.09E-05	1.24E-05
2874	489615.05, 3859239.43	1.51E-01	4.76E-05	2.02E-05	8.82E-02	2.78E-05	1.18E-05	2.30E-02	7.25E-06	4.17E-07	2.43E-02	7.66E-06	5.82E-07	2.03E-05	1.20E-05
2875	489372.4, 3859092.58	1.38E-01	4.37E-05	1.85E-05	8.09E-02	2.55E-05	1.08E-05	2.09E-02	6.60E-06	3.79E-07	2.28E-02	7.19E-06	5.45E-07	1.87E-05	1.10E-05
2876	489422.4, 3859092.58	1.33E-01	4.19E-05	1.78E-05	7.59E-02	2.40E-05	1.02E-05	1.76E-02	5.54E-06	3.19E-07	1.88E-02	5.93E-06	4.50E-07	1.79E-05	1.03E-05

2877	489372.4, 3859142.58	1.63E-01	5.13E-05	2.18E-05	9.95E-02	3.14E-05	1.33E-05	3.16E-02	9.98E-06	5.74E-07	3.56E-02	1.12E-05	8.52E-07	2.21E-05	1.36E-05
2878	489422.4, 3859142.58	1.53E-01	4.82E-05	2.05E-05	9.03E-02	2.85E-05	1.21E-05	2.47E-02	7.80E-06	4.49E-07	2.70E-02	8.54E-06	6.48E-07	2.07E-05	1.23E-05
2879	488870.84, 3858666.64	1.46E-01	4.62E-05	1.96E-05	7.78E-02	2.46E-05	1.04E-05	1.02E-02	3.23E-06	1.86E-07	1.39E-02	4.38E-06	3.32E-07	1.97E-05	1.06E-05
2880	488900.84, 3858666.64	1.36E-01	4.31E-05	1.83E-05	7.27E-02	2.29E-05	9.73E-06	9.71E-03	3.06E-06	1.76E-07	1.27E-02	4.00E-06	3.04E-07	1.84E-05	9.86E-06
2881	488870.84, 3858696.64	1.42E-01	4.47E-05	1.90E-05	7.63E-02	2.41E-05	1.02E-05	1.14E-02	3.60E-06	2.07E-07	1.58E-02	4.98E-06	3.78E-07	1.91E-05	1.04E-05
2882	488900.84, 3858696.64	1.32E-01	4.18E-05	1.77E-05	7.13E-02	2.25E-05	9.55E-06	1.07E-02	3.39E-06	1.95E-07	1.43E-02	4.50E-06	3.42E-07	1.79E-05	9.70E-06
2883	488889.67, 3858683.97	1.37E-01	4.32E-05	1.83E-05	7.33E-02	2.31E-05	9.82E-06	1.05E-02	3.31E-06	1.90E-07	1.40E-02	4.42E-06	3.36E-07	1.85E-05	9.97E-06
2884	488919.67, 3858683.97	1.29E-01	4.08E-05	1.73E-05	6.94E-02	2.19E-05	9.29E-06	9.93E-03	3.13E-06	1.80E-07	1.28E-02	4.05E-06	3.07E-07	1.74E-05	9.42E-06
2885	488889.67, 3858713.97	1.35E-01	4.25E-05	1.80E-05	7.31E-02	2.31E-05	9.79E-06	1.17E-02	3.70E-06	2.13E-07	1.60E-02	5.06E-06	3.84E-07	1.82E-05	9.96E-06
2886	488919.67, 3858713.97	1.27E-01	4.01E-05	1.70E-05	6.89E-02	2.17E-05	9.22E-06	1.10E-02	3.48E-06	2.00E-07	1.45E-02	4.58E-06	3.48E-07	1.71E-05	9.37E-06
2887	488906.61, 3858703.33	1.30E-01	4.11E-05	1.75E-05	7.05E-02	2.22E-05	9.44E-06	1.09E-02	3.43E-06	1.97E-07	1.44E-02	4.55E-06	3.46E-07	1.76E-05	9.59E-06
2888	488936.61, 3858703.33	1.24E-01	3.92E-05	1.66E-05	6.71E-02	2.12E-05	8.99E-06	1.03E-02	3.24E-06	1.86E-07	1.32E-02	4.16E-06	3.16E-07	1.68E-05	9.12E-06
2889	488906.61, 3858733.33	1.30E-01	4.11E-05	1.74E-05	7.12E-02	2.25E-05	9.54E-06	1.22E-02	3.84E-06	2.21E-07	1.66E-02	5.25E-06	3.98E-07	1.76E-05	9.71E-06
2890	488936.61, 3858733.33	1.23E-01	3.90E-05	1.65E-05	6.75E-02	2.13E-05	9.04E-06	1.14E-02	3.60E-06	2.07E-07	1.50E-02	4.74E-06	3.60E-07	1.67E-05	9.19E-06
2891	488637.63, 3858467.85	1.57E-01	4.97E-05	2.11E-05	8.20E-02	2.59E-05	1.10E-05	8.29E-03	2.61E-06	1.50E-07	1.45E-02	4.57E-06	3.47E-07	2.13E-05	1.12E-05
2892	488662.63, 3858467.85	1.49E-01	4.69E-05	1.99E-05	7.75E-02	2.45E-05	1.04E-05	8.00E-03	2.52E-06	1.45E-07	1.33E-02	4.21E-06	3.19E-07	2.01E-05	1.06E-05
2893	488637.63, 3858492.85	1.55E-01	4.90E-05	2.08E-05	8.13E-02	2.57E-05	1.09E-05	8.89E-03	2.81E-06	1.61E-07	1.60E-02	5.06E-06	3.84E-07	2.10E-05	1.11E-05
2894	488662.63, 3858492.85	1.48E-01	4.68E-05	1.99E-05	7.77E-02	2.45E-05	1.04E-05	8.55E-03	2.70E-06	1.55E-07	1.46E-02	4.61E-06	3.50E-07	2.01E-05	1.06E-05
2895	488687.63, 3858492.85	1.44E-01	4.56E-05	1.93E-05	7.56E-02	2.39E-05	1.01E-05	8.24E-03	2.60E-06	1.50E-07	1.34E-02	4.23E-06	3.21E-07	1.95E-05	1.03E-05
2896	488637.63, 3858517.85	1.59E-01	5.03E-05	2.14E-05	8.38E-02	2.65E-05	1.12E-05	9.60E-03	3.03E-06	1.74E-07	1.79E-02	5.66E-06	4.30E-07	2.16E-05	1.15E-05
2897	488662.63, 3858517.85	1.54E-01	4.85E-05	2.06E-05	8.07E-02	2.55E-05	1.08E-05	9.20E-03	2.90E-06	1.67E-07	1.62E-02	5.10E-06	3.87E-07	2.08E-05	1.10E-05
2898	488687.63, 3858517.85	1.51E-01	4.75E-05	2.02E-05	7.90E-02	2.49E-05	1.06E-05	8.84E-03	2.79E-06	1.60E-07	1.47E-02	4.64E-06	3.53E-07	2.04E-05	1.08E-05
2899	488194.42, 3857168.98	9.47E-02	2.99E-05	1.27E-05	4.75E-02	1.50E-05	6.36E-06	2.17E-03	6.85E-07	3.94E-08	3.53E-03	1.12E-06	8.47E-08	1.27E-05	6.40E-06
2900	488244.42, 3857168.98	8.73E-02	2.75E-05	1.17E-05	4.39E-02	1.38E-05	5.87E-06	2.16E-03	6.81E-07	3.92E-08	3.41E-03	1.08E-06	8.17E-08	1.17E-05	5.92E-06
2901	488294.42, 3857168.98	8.17E-02	2.58E-05	1.09E-05	4.12E-02	1.30E-05	5.51E-06	2.14E-03	6.74E-07	3.88E-08	3.30E-03	1.04E-06	7.89E-08	1.10E-05	5.55E-06
2902	488244.42, 3857218.98	9.24E-02	2.92E-05	1.24E-05	4.64E-02	1.46E-05	6.21E-06	2.21E-03	6.99E-07	4.02E-08	3.54E-03	1.12E-06	8.48E-08	1.24E-05	6.26E-06
2903	488294.42, 3857218.98	8.55E-02	2.70E-05	1.15E-05	4.30E-02	1.36E-05	5.76E-06	2.19E-03	6.92E-07	3.98E-08	3.42E-03	1.08E-06	8.18E-08	1.15E-05	5.81E-06
2904	488294.42, 3857268.98	8.85E-02	2.79E-05	1.19E-05	4.46E-02	1.41E-05	5.97E-06	2.26E-03	7.13E-07	4.10E-08	3.55E-03	1.12E-06	8.49E-08	1.19E-05	6.01E-06
2905	488139.13, 3857111.68	9.44E-02	2.98E-05	1.26E-05	4.73E-02	1.49E-05	6.34E-06	2.13E-03	6.72E-07	3.87E-08	3.52E-03	1.11E-06	8.44E-08	1.27E-05	6.38E-06
2906	488189.13, 3857111.68	8.73E-02	2.75E-05	1.17E-05	4.38E-02	1.38E-05	5.87E-06	2.12E-03	6.69E-07	3.85E-08	3.40E-03	1.07E-06	8.14E-08	1.17E-05	5.91E-06
2907	488189.13, 3857161.68	9.44E-02	2.98E-05	1.26E-05	4.74E-02	1.50E-05	6.34E-06	2.17E-03	6.84E-07	3.93E-08	3.53E-03	1.11E-06	8.45E-08	1.27E-05	6.39E-06
2908	487951.04, 3856961.26	1.03E-01	3.25E-05	1.38E-05	5.15E-02	1.63E-05	6.90E-06	2.06E-03	6.50E-07	3.74E-08	3.60E-03	1.14E-06	8.62E-08	1.39E-05	6.95E-06
2909	488001.04, 3856961.26	9.32E-02	2.94E-05	1.25E-05	4.67E-02	1.47E-05	6.25E-06	2.04E-03	6.44E-07	3.70E-08	3.47E-03	1.10E-06	8.31E-08	1.25E-05	6.30E-06
2910	488051.04, 3856961.26	8.63E-02	2.72E-05	1.16E-05	4.33E-02	1.37E-05	5.80E-06	2.01E-03	6.35E-07	3.65E-08	3.35E-03	1.06E-06	8.04E-08	1.16E-05	5.84E-06
2911	488101.04, 3856961.26	8.05E-02	2.54E-05	1.08E-05	4.05E-02	1.28E-05	5.42E-06	2.00E-03	6.32E-07	3.64E-08	3.24E-03	1.02E-06	7.77E-08	1.08E-05	5.46E-06
2912	487951.04, 3857011.26	1.11E-01	3.49E-05	1.48E-05	5.52E-02	1.74E-05	7.39E-06	2.12E-03	6.69E-07	3.85E-08	3.74E-03	1.18E-06	8.97E-08	1.49E-05	7.45E-06
2913	488001.04, 3857011.26	1.00E-01	3.17E-05	1.34E-05	5.02E-02	1.58E-05	6.72E-06	2.09E-03	6.59E-07	3.79E-08	3.61E-03	1.14E-06	8.64E-08	1.35E-05	6.77E-06
2914	488051.04, 3857011.26	9.20E-02	2.91E-05	1.23E-05	4.61E-02	1.46E-05	6.18E-06	2.06E-03	6.50E-07	3.74E-08	3.48E-03	1.10E-06	8.33E-08	1.24E-05	6.22E-06
2915	488101.04, 3857011.26	8.53E-02	2.69E-05	1.14E-05	4.29E-02	1.35E-05	5.74E-06	2.05E-03	6.47E-07	3.72E-08	3.36E-03	1.06E-06	8.04E-08	1.15E-05	5.78E-06
2916	488001.04, 3857061.26	1.10E-01	3.48E-05	1.48E-05	5.51E-02	1.74E-05	7.37E-06	2.14E-03	6.76E-07	3.89E-08	3.75E-03	1.18E-06	8.99E-08	1.48E-05	7.42E-06
2917	488051.04, 3857061.26	9.98E-02	3.15E-05	1.34E-05	5.00E-02	1.58E-05	6.69E-06	2.12E-03	6.69E-07	3.85E-08	3.61E-03	1.14E-06	8.65E-08	1.34E-05	6.74E-06
2918	488101.04, 3857061.26	9.17E-02	2.89E-05	1.23E-05	4.60E-02	1.45E-05	6.16E-06	2.10E-03	6.63E-07	3.81E-08	3.48E-03	1.10E-06	8.34E-08	1.23E-05	6.20E-06
2919	487638.98, 3856673.79	7.00E-02	2.21E-05	9.37E-06	3.53E-02	1.11E-05	4.72E-06	1.91E-03	6.02E-07	3.46E-08	3.63E-03	1.15E-06	8.70E-08	9.42E-06	4.78E-06
2920	487688.98, 3856673.79	6.87E-02	2.17E-05	9.20E-06	3.47E-02	1.09E-05	4.64E-06	1.89E-03	5.95E-07	3.42E-08	3.50E-03	1.10E-06	8.38E-08	9.25E-06	4.69E-06
2921	487638.98, 3856723.79	7.41E-02	2.34E-05	9.92E-06	3.73E-02	1.18E-05	5.00E-06	1.96E-03	6.18E-07	3.55E-08	3.78E-03	1.19E-06	9.05E-08	9.97E-06	5.05E-06
2922	487688.98, 3856723.79	7.31E-02	2.31E-05	9.79E-06	3.68E-02	1.16E-05	4.93E-06	1.93E-03	6.11E-07	3.51E-08	3.64E-03	1.15E-06	8.71E-08	9.84E-06	4.99E-06
2923	486324.61, 3855740.57	7.72E-02	2.44E-05	1.03E-05	3.87E-02	1.22E-05	5.18E-06	1.69E-03	5.34E-07	3.07E-08	4.50E-03	1.42E-06	1.08E-07	1.04E-05	5.26E-06
2924	486374.61, 3855740.57	7.54E-02	2.38E-05	1.01E-05	3.78E-02	1.19E-05	5.06E-06	1.64E-03	5.18E-07	2.98E-08	4.21E-03	1.33E-06	1.01E-07	1.02E-05	5.13E-06
2925	486424.61, 3855740.57	7.34E-02	2.32E-05	9.83E-06	3.68E-02	1.16E-05	4.93E-06	1.61E-03	5.08E-07	2.92E-08	4.00E-03	1.26E-06	9.58E-08	9.90E-06	4.99E-06
2926	486324.61, 3855790.57	8.03E-02	2.54E-05	1.08E-05	4.02E-02	1.27E-05	5.39E-06	1.73E-03	5.47E-07	3.15E-08	4.75E-03	1.50E-06	1.14E-07	1.08E-05	5.47E-06
2927	486374.61, 3855790.57	7.83E-02	2.47E-05	1.05E-05	3.92E-02	1.24E-05	5.25E-06	1.68E-03	5.31E-07	3.05E-08	4.43E-03	1.40E-06	1.06E-07	1.06E-05	5.32E-06
2928	486424.61, 3855790.57	7.60E-02	2.40E-05	1.02E-05	3.80E-02	1.20E-05	5.10E-06	1.66E-03	5.23E-07	3.01E-08	4.22E-03	1.33E-06	1.01E-07	1.02E-05	5.17E-06
2929	486324.61, 3855840.57	8.38E-02	2.64E-05	1.12E-05	4.19E-02	1.32E-05	5.62E-06	1.77E-03	5.60E-07	3.22E-08	5.03E-03	1.59E-06	1.20E-07	1.13E-05	5.70E-06
2930	486374.61, 3855840.57	8.11E-02	2.56E-05	1.09E-05	4.06E-02	1.28E-05	5.43E-06	1.74E-03	5.49E-07	3.16E-08	4.75E-03	1.50E-06	1.14E-07	1.09E-05	5.52E-06
2931	486424.61, 3855840.57	7.87E-02	2.48E-05	1.05E-05	3.94E-02	1.24E-05	5.28E-06	1.70E-03	5.38E-07	3.09E-08	4.48E-03	1.42E-06	1.07E-07	1.06E-05	5.35E-06
2932	486324.61, 3855890.57	8.72E-02	2.75E-05	1.17E-05	4.36E-02	1.38E-05	5.84E-06	1.84E-03	5.80E-07	3.34E-08	5.44E-03	1.72E-06	1.30E-07	1.18E-05	5.94E-06
2933	486374.61, 3855890.57	8.42E-02	2.66E-05	1.13E-05	4.22E-02	1.33E-05	5.64E-06	1.80E-03	5.68E-07	3.27E-08	5.10E-03	1.61E-06	1.22E-07	1.14E-05	5.73E-06
2934	486424.61, 3855890.57	8.16E-02	2.58E-05	1.09E-05	4.09E-02	1.29E-05	5.47E-06	1.76E-03	5.55E-07	3.19E-08	4.79E-03	1.51E-06	1.15E-07	1.10E-05	5.55E-06
2935	488735.69, 3858285.64	1.33E-01	4.20E-05	1.78E-05	6.81E-02	2.15E-05	9.12E-06	5.12E-03	1.62E-06	9.30E-08	7.18E-03	2.27E-06	1.72E-07	1.79E-05	9.20E-06
2936	488765.69, 3858285.64	1.24E-01	3.90E-05	1.65E-05	6.34E-02	2.00E-05	8.48E-06	5.00E-03	1.58E-06	9.07E-08	6.84E-03	2.16E-06	1.64E-07	1.66E-05	8.56E-06
2937	488735.69, 3858315.64	1.29E-01	4.07E-05	1.73E-05	6.62E-02	2.09E-05	8.87E-06	5.38E-03	1.70E-06	9.76E-08	7.59E-03	2.39E-06	1.82E-07	1.73E-05	8.95E-06
2938	488765.69, 3858315.64	1.21E-01	3.81E-05	1.62E-05	6.21E-02	1.96E-05	8.31E-06	5.24E-03	1.65E-06	9.50E-08	7.21E-03	2.28E-06	1.73E-07	1.62E-05	8.39E-06
2939	478676.63, 3849871.93	1.85E-02	5.85E-06	2.48E-06	1.30E-02	4.09E-06	1.74E-06	6.11E-03	1.93E-06	1.11E-07	6.40E-03	2.02E-06	1.53E-07	2.53E-06	1.78E-06
2940	479326.63, 3849871.93	1.28E-02	4.04E-06	1.71E-06	8.59E-03	2.71E-06	1.15E-06	3.66E-03	1.15E-06	6.64E-08	3.83E-03	1.21E-06	9.17E-08	1.74E-06	1.18E-06
2941	479376.63, 3849871.93	1.25E-02	3.95E-06	1.68E-06	8.38E-03	2.64E-06	1.12E-06	3.55E-03	1.12E-06	6.44E-08	3.71E-03	1.17E-06	8.90E-08	1.70E-06	1.15E-06
2942	479426.63, 3849871.93	1.23E-02	3.87E-06	1.64E-06	8.21E-03	2.59E-06	1.10E-06	3.46E-03	1.09E-06	6.28E-08	3.62E-03	1.14E-06	8.68E-08	1.67E-06	1.12E-06
2943	478726.63, 3849921.93	1.95E-02	6.17E-06	2.62E-06	1.37E-02	4.31E-06	1.83E-06	6.44E-03	2.03E-06	1.17E-07	6.73E-03	2.13E-06	1.61E-07	2.66E-06	1.87E-06
2944	478776.63, 3849921.93	1.88E-02	5.92E-06	2.51E-06	1.31E-02	4.13E-06	1.75E-06	6.13E-03	1.93E-06	1.11E-07	6.41E-03	2.02E-06	1.54E-07	2.56E-06	1.80E-06
2945	478826.63, 3849921.93	1.81E-02	5.70E-06	2.42E-06	1.26E-02	3.97E-06	1.68E-06	5.84E-03	1.84E-06	1.06E-07	6.11E-03	1.93E-06	1.46E-07	2.46E-06	1.72E-06
2946	478976.63, 3849921.93	1.64E-02	5.17E-06	2.19E-06	1.13E-02	3.56E-06	1.51E-06	5.12E-03	1.62E-06	9.29E-08	5.35E-03	1.69E-06	1.28E-07	2.23E-06	1.55E-06
2947	479026.63, 3849921.93	1.59E-02	5.02E-06	2.13E-06	1.09E-02	3.45E-06	1.46E-06	4.94E-03	1.56E-06	8.96E-08	5.16E-03	1.63E-06	1.24E-07	2.16E-06	1.50E-06
2948	479076.63, 3849921.93	1.55E-02	4.88E-06	2.07E-06	1.06E-02	3.34E-06	1.42E-06	4.75E-03	1.50E-06	8.63E-08	4.97E-03	1.57E-06	1.19E-07	2.10E-06	1.45E-06
2949	479126.63, 3849921.93	1.50E-02	4.75E-06	2.01E-06	1.03E-02	3.24E-06	1.38E-06	4.58E-03	1.44E-06	8.31E-08	4.78E-03	1.51E-06	1.15E-07	2.05E-06	1.41E-06
2950	479176.63, 3849921.93	1.46E-02	4.62E-06	1.96E-06	9.98E-03	3.15E-06	1.34E-06	4.42E-03	1.40E-06	8.02E-08	4.62E-03	1.46E-06	1.11E-07	1.99E-06	1.37E-06
2951	479226.63, 3849921.93	1.43E-02	4.51E-06	1.91E-06	9.69E-03	3.06E-06	1.30E-06	4.24E-03	1.34E-06	7.69E-08	4.43E-03	1.40E-06	1.06E-07	1.94E-06	1.33E-06
2952	479276.63, 3849921.93	1.39E-02	4.39E-06	1.86E-06	9.36E-03	2.96E-06	1.25E-06	4.02E-03	1.27E-06	7.30E-08	4.20E-03	1.33E-06	1.01E-07	1.89E-06	1.28E-06
2953	479326.63, 3849921.93	1.36E-02	4.29E-06	1.82E-06	9.19E-03	2.90E-06	1.23E-06	3.97E-03	1.25E-06	7.21E-08	4.15E-03	1.31E-06	9.95E-08	1.85E-06	1.26E-06
2954	479376.63, 3849921.93	1.33E-02	4.19E-06	1.78E-06	8.90E-03	2.81E-06	1.19E-06	3.78E-03	1.19E-06	6.85E-08	3.95E-03	1.25E-06	9.46E-08	1.80E-06	1.22E-06
2955	479426.63, 3849921.93	1.30E-02	4.10E-06	1.74E-06	8.72E-03	2.75E-06	1.17E-06	3.71E-03	1.17E-06	6.74E-08	3.88E-03	1.23E-06	9.30E-08	1.77E-06	1.19E-06
2956	478726.63, 3849971.93	2.16E-02	6.82E-06	2.89E-06	1.51E-02	4.78E-06	2.03E-06	7.17E-03	2.26E-06	1.30E-07	7.50E-03	2.37E-06	1.80E-07	2.94E-06	2.08E-06
2957	478776.63, 3849971.93	2.06E-02	6.52E-06	2.76E-06	1.44E-02	4.55E-06	1.93E-06	6.79E-03	2.14E-06	1.23E-07	7.10E-03	2.24E-06	1.70E-07	2.81E-06	1.98E-06
2958	478826.63, 3849971.93	1.98E-02	6.25E-06	2.65E-06	1.38E-02	4.35E-06	1.85E-06	6.44E-03	2.03E-06	1.17E-07	6.73E-03	2.13E-06	1.61E-07	2.70E-06	1.89E-06
2959	478976.63, 3849971.93	1.77E-02	5.59E-06	2.37E-06	1.22E-02	3.86E-06	1.64E-06	5.60E-03	1.77E-06	1.02E-07	5.86E-03	1.85E-06	1.40E-07	2.41E-06	1.68E-06
2960	479026.63, 3849971.93	1.72E-02	5.42E-06	2.30E-06	1.18E-02	3.73E-06	1.58E-06	5.36E-03	1.69E-06	9.73E-08	5.60E-03	1.77E-06	1.34E-07	2.34E-06	1.62E-06
2961	479076.63, 3849971.93	1.67E-02	5.26E-06	2.23E-06	1.14E-02	3.61E-06	1.53E-06	5.14E-03	1.62E-06	9.32E-08	5.37E-03	1.69E-06	1.29E-07	2.27E-06	1.57E-06
2962	479126.63, 3849971.93	1.62E-02	5.10E-06	2.16E-06	1.11E-02	3.49E-06	1.48E-06	4.93E-03	1.56E-06	8.96E-08	5.16E-03	1.63E-06	1.24E-07	2.20E-06	1.51E-06
2963	479176.63, 3849971.93	1.57E-02	4.96E-06	2.10E-06	1.07E-02	3.38E-06	1.43E-06	4.75E-03	1.50E-06	8.63E-08	4.97E-03	1.57E-06	1.19E-07	2.14E-06	1.47E-06
2964	479226.63, 3849971.93	1.53E-02	4.82E-06	2.05E-06	1.03E-02	3.26E-06	1.38E-06	4.47E-03	1.41E-06	8.12E-08	4.67E-03	1.47E-06	1.12E-07	2.08E-06	1.41E-06
2965	479276.63, 3849971.93	1.49E-02	4.69E-06	1.99E-06	1.01E-02	3.18E-06	1.35E-06	4.38E-03	1.38E-06	7.95E-08	4.58E-03	1.45E-06	1.10E-07	2.02E-06	1.38E-06
2966	479326.63, 3849971.93	1.45E-02	4.57E-06	1.94E-06	9.81E-03	3.10E-06	1.31E-06	4.28E-03	1.35E-06	7.76E-08	4.47E-03	1.41E-06	1.07E-07	1.97E-06	1.34E-06

2967	479376.63, 3849971.93	1.41E-02	4.47E-06	1.89E-06	9.51E-03	3.00E-06	1.27E-06	4.07E-03	1.28E-06	7.38E-08	4.25E-03	1.34E-06	1.02E-07	1.92E-06	1.30E-06
2968	479426.63, 3849971.93	1.38E-02	4.36E-06	1.85E-06	9.28E-03	2.93E-06	1.24E-06	3.96E-03	1.25E-06	7.18E-08	4.14E-03	1.31E-06	9.91E-08	1.88E-06	1.27E-06
2969	478726.63, 3850021.93	2.42E-02	7.65E-06	3.25E-06	1.70E-02	5.38E-06	2.28E-06	8.11E-03	2.56E-06	1.47E-07	8.47E-03	2.67E-06	2.03E-07	3.30E-06	2.34E-06
2970	478776.63, 3850021.93	2.30E-02	7.27E-06	3.08E-06	1.61E-02	5.09E-06	2.16E-06	7.62E-03	2.40E-06	1.38E-07	7.96E-03	2.51E-06	1.91E-07	3.14E-06	2.21E-06
2971	478826.63, 3850021.93	2.20E-02	6.93E-06	2.94E-06	1.53E-02	4.84E-06	2.05E-06	7.18E-03	2.27E-06	1.30E-07	7.51E-03	2.37E-06	1.80E-07	2.99E-06	2.10E-06
2972	478976.63, 3850021.93	1.94E-02	6.12E-06	2.60E-06	1.34E-02	4.23E-06	1.79E-06	6.14E-03	1.94E-06	1.12E-07	6.42E-03	2.03E-06	1.54E-07	2.64E-06	1.84E-06
2973	478726.63, 3850071.93	2.77E-02	8.74E-06	3.71E-06	1.95E-02	6.16E-06	2.61E-06	9.35E-03	2.95E-06	1.70E-07	9.75E-03	3.08E-06	2.34E-07	3.77E-06	2.68E-06
2974	478776.63, 3850071.93	2.61E-02	8.24E-06	3.50E-06	1.83E-02	5.78E-06	2.45E-06	8.69E-03	2.74E-06	1.58E-07	9.07E-03	2.86E-06	2.17E-07	3.55E-06	2.51E-06
2975	478826.63, 3850071.93	2.47E-02	7.80E-06	3.31E-06	1.73E-02	5.45E-06	2.31E-06	8.12E-03	2.56E-06	1.47E-07	8.48E-03	2.68E-06	2.03E-07	3.37E-06	2.37E-06
2976	478876.63, 3850071.93	2.35E-02	7.42E-06	3.15E-06	1.64E-02	5.17E-06	2.19E-06	7.63E-03	2.41E-06	1.39E-07	7.97E-03	2.51E-06	1.91E-07	3.20E-06	2.24E-06
2977	478976.63, 3850071.93	2.15E-02	6.77E-06	2.87E-06	1.48E-02	4.68E-06	1.99E-06	6.81E-03	2.15E-06	1.24E-07	7.11E-03	2.24E-06	1.70E-07	2.92E-06	2.03E-06
2978	478726.63, 3850121.93	3.25E-02	1.03E-05	4.36E-06	2.30E-02	7.25E-06	3.07E-06	1.10E-02	3.49E-06	2.01E-07	1.15E-02	3.63E-06	2.76E-07	4.43E-06	3.15E-06
2979	478776.63, 3850121.93	3.03E-02	9.56E-06	4.06E-06	2.13E-02	6.72E-06	2.85E-06	1.01E-02	3.20E-06	1.84E-07	1.06E-02	3.33E-06	2.53E-07	4.13E-06	2.92E-06
2980	478826.63, 3850121.93	2.84E-02	8.97E-06	3.80E-06	1.99E-02	6.27E-06	2.66E-06	9.37E-03	2.96E-06	1.70E-07	9.76E-03	3.08E-06	2.34E-07	3.87E-06	2.73E-06
2981	478876.63, 3850121.93	2.68E-02	8.46E-06	3.59E-06	1.87E-02	5.89E-06	2.50E-06	8.71E-03	2.75E-06	1.58E-07	9.08E-03	2.87E-06	2.18E-07	3.65E-06	2.56E-06
2982	478976.63, 3850121.93	2.41E-02	7.61E-06	3.23E-06	1.67E-02	5.26E-06	2.23E-06	7.65E-03	2.41E-06	1.39E-07	7.98E-03	2.52E-06	1.91E-07	3.28E-06	2.29E-06
2983	479026.63, 3850121.93	2.30E-02	7.27E-06	3.08E-06	1.59E-02	5.01E-06	2.12E-06	7.21E-03	2.28E-06	1.31E-07	7.53E-03	2.38E-06	1.80E-07	3.13E-06	2.17E-06
2984	479076.63, 3850121.93	2.21E-02	6.96E-06	2.95E-06	1.51E-02	4.78E-06	2.03E-06	6.82E-03	2.15E-06	1.24E-07	7.12E-03	2.25E-06	1.70E-07	3.00E-06	2.07E-06
2985	479126.63, 3850121.93	2.12E-02	6.68E-06	2.83E-06	1.45E-02	4.57E-06	1.94E-06	6.47E-03	2.04E-06	1.17E-07	6.75E-03	2.13E-06	1.62E-07	2.88E-06	1.98E-06
2986	478776.63, 3850171.93	3.63E-02	1.15E-05	4.86E-06	2.56E-02	8.06E-06	3.42E-06	1.22E-02	3.85E-06	2.21E-07	1.27E-02	4.00E-06	3.03E-07	4.95E-06	3.50E-06
2987	478826.63, 3850171.93	3.36E-02	1.06E-05	4.50E-06	2.35E-02	7.42E-06	3.15E-06	1.11E-02	3.50E-06	2.01E-07	1.15E-02	3.64E-06	2.76E-07	4.57E-06	3.22E-06
2988	478876.63, 3850171.93	3.13E-02	9.87E-06	4.19E-06	2.18E-02	6.88E-06	2.92E-06	1.02E-02	3.21E-06	1.85E-07	1.06E-02	3.34E-06	2.54E-07	4.26E-06	2.99E-06
2989	478976.63, 3850171.93	2.76E-02	8.71E-06	3.70E-06	1.91E-02	6.02E-06	2.55E-06	8.74E-03	2.76E-06	1.59E-07	9.10E-03	2.87E-06	2.18E-07	3.76E-06	2.61E-06
2990	479026.63, 3850171.93	2.61E-02	8.25E-06	3.50E-06	1.80E-02	5.68E-06	2.41E-06	8.17E-03	2.58E-06	1.48E-07	8.51E-03	2.69E-06	2.04E-07	3.56E-06	2.47E-06
2991	479076.63, 3850171.93	2.49E-02	7.85E-06	3.33E-06	1.71E-02	5.39E-06	2.29E-06	7.67E-03	2.42E-06	1.39E-07	8.00E-03	2.52E-06	1.92E-07	3.38E-06	2.34E-06
2992	479126.63, 3850171.93	2.37E-02	7.50E-06	3.18E-06	1.62E-02	5.12E-06	2.17E-06	7.23E-03	2.28E-06	1.31E-07	7.54E-03	2.38E-06	1.81E-07	3.23E-06	2.22E-06
2993	479176.63, 3850171.93	2.27E-02	7.16E-06	3.04E-06	1.55E-02	4.88E-06	2.07E-06	6.84E-03	2.16E-06	1.24E-07	7.13E-03	2.25E-06	1.71E-07	3.08E-06	2.12E-06
2994	479226.63, 3850171.93	2.17E-02	6.85E-06	2.91E-06	1.48E-02	4.66E-06	1.98E-06	6.51E-03	2.05E-06	1.18E-07	6.79E-03	2.14E-06	1.63E-07	2.95E-06	2.02E-06
2995	479276.63, 3850171.93	2.08E-02	6.57E-06	2.79E-06	1.41E-02	4.46E-06	1.89E-06	6.20E-03	1.96E-06	1.13E-07	6.47E-03	2.04E-06	1.55E-07	2.83E-06	1.94E-06
2996	479326.63, 3850171.93	2.01E-02	6.34E-06	2.69E-06	1.36E-02	4.29E-06	1.82E-06	5.92E-03	1.87E-06	1.07E-07	6.18E-03	1.95E-06	1.48E-07	2.73E-06	1.86E-06
2997	479376.63, 3850171.93	1.94E-02	6.13E-06	2.60E-06	1.31E-02	4.13E-06	1.75E-06	5.65E-03	1.78E-06	1.03E-07	5.89E-03	1.86E-06	1.41E-07	2.64E-06	1.79E-06
2998	478676.63, 3850221.93	5.97E-02	1.88E-05	8.00E-06	4.24E-02	1.34E-05	5.68E-06	2.06E-02	6.52E-06	3.75E-07	2.13E-02	6.72E-06	5.10E-07	8.13E-06	5.81E-06
2999	478726.63, 3850221.93	5.15E-02	1.63E-05	6.90E-06	3.64E-02	1.15E-05	4.88E-06	1.76E-02	5.55E-06	3.19E-07	1.82E-02	5.74E-06	4.36E-07	7.01E-06	4.99E-06
3000	478976.63, 3850221.93	3.23E-02	1.02E-05	4.32E-06	2.23E-02	7.03E-06	2.98E-06	1.02E-02	3.22E-06	1.85E-07	1.06E-02	3.35E-06	2.54E-07	4.39E-06	3.05E-06
3001	479026.63, 3850221.93	3.03E-02	9.55E-06	4.05E-06	2.08E-02	6.57E-06	2.79E-06	9.42E-03	2.97E-06	1.71E-07	9.81E-03	3.09E-06	2.35E-07	4.11E-06	2.85E-06
3002	479076.63, 3850221.93	2.86E-02	9.02E-06	3.83E-06	1.96E-02	6.18E-06	2.62E-06	8.76E-03	2.77E-06	1.59E-07	9.13E-03	2.88E-06	2.19E-07	3.89E-06	2.68E-06
3003	479126.63, 3850221.93	2.71E-02	8.55E-06	3.63E-06	1.85E-02	5.83E-06	2.47E-06	8.19E-03	2.59E-06	1.49E-07	8.53E-03	2.69E-06	2.04E-07	3.68E-06	2.53E-06
3004	479176.63, 3850221.93	2.57E-02	8.11E-06	3.44E-06	1.75E-02	5.51E-06	2.34E-06	7.69E-03	2.43E-06	1.40E-07	8.02E-03	2.53E-06	1.92E-07	3.49E-06	2.39E-06
3005	479226.63, 3850221.93	2.44E-02	7.71E-06	3.27E-06	1.66E-02	5.23E-06	2.22E-06	7.26E-03	2.29E-06	1.32E-07	7.56E-03	2.39E-06	1.81E-07	3.32E-06	2.27E-06
3006	479276.63, 3850221.93	2.34E-02	7.37E-06	3.13E-06	1.58E-02	4.99E-06	2.12E-06	6.87E-03	2.17E-06	1.25E-07	7.16E-03	2.26E-06	1.72E-07	3.17E-06	2.16E-06
3007	479326.63, 3850221.93	2.25E-02	7.09E-06	3.01E-06	1.51E-02	4.78E-06	2.03E-06	6.53E-03	2.06E-06	1.18E-07	6.80E-03	2.15E-06	1.63E-07	3.05E-06	2.07E-06
3008	479376.63, 3850221.93	2.17E-02	6.84E-06	2.90E-06	1.46E-02	4.59E-06	1.95E-06	6.21E-03	1.96E-06	1.13E-07	6.48E-03	2.04E-06	1.55E-07	2.94E-06	1.99E-06
3009	478676.63, 3850271.93	9.23E-02	2.91E-05	1.24E-05	6.54E-02	2.06E-05	8.76E-06	3.17E-02	9.99E-06	5.75E-07	3.23E-02	1.02E-05	7.74E-07	1.26E-05	8.95E-06
3010	478726.63, 3850271.93	7.39E-02	2.33E-05	9.89E-06	5.22E-02	1.65E-05	6.98E-06	2.51E-02	7.92E-06	4.56E-07	2.58E-02	8.13E-06	6.17E-07	1.01E-05	7.15E-06
3011	478976.63, 3850271.93	3.88E-02	1.23E-05	5.20E-06	2.68E-02	8.47E-06	3.59E-06	1.23E-02	3.88E-06	2.23E-07	1.28E-02	4.03E-06	3.06E-07	5.28E-06	3.68E-06
3012	479026.63, 3850271.93	3.60E-02	1.13E-05	4.81E-06	2.47E-02	7.80E-06	3.31E-06	1.12E-02	3.52E-06	2.03E-07	1.16E-02	3.66E-06	2.78E-07	4.89E-06	3.38E-06
3013	479076.63, 3850271.93	3.36E-02	1.06E-05	4.50E-06	2.30E-02	7.25E-06	3.08E-06	1.02E-02	3.23E-06	1.86E-07	1.06E-02	3.36E-06	2.55E-07	4.57E-06	3.14E-06
3014	479126.63, 3850271.93	3.16E-02	9.97E-06	4.23E-06	2.15E-02	6.78E-06	2.88E-06	9.46E-03	2.98E-06	1.72E-07	9.83E-03	3.10E-06	2.36E-07	4.29E-06	2.94E-06
3015	479176.63, 3850271.93	2.97E-02	9.39E-06	3.98E-06	2.01E-02	6.36E-06	2.70E-06	8.79E-03	2.77E-06	1.60E-07	9.15E-03	2.89E-06	2.19E-07	4.04E-06	2.76E-06
3016	479226.63, 3850271.93	2.81E-02	8.87E-06	3.77E-06	1.90E-02	5.99E-06	2.54E-06	8.21E-03	2.59E-06	1.49E-07	8.55E-03	2.70E-06	2.05E-07	3.82E-06	2.60E-06
3017	479276.63, 3850271.93	2.68E-02	8.45E-06	3.59E-06	1.80E-02	5.69E-06	2.41E-06	7.72E-03	2.44E-06	1.40E-07	8.03E-03	2.54E-06	1.92E-07	3.64E-06	2.47E-06
3018	479326.63, 3850271.93	2.57E-02	8.10E-06	3.44E-06	1.72E-02	5.43E-06	2.30E-06	7.28E-03	2.30E-06	1.32E-07	7.58E-03	2.39E-06	1.82E-07	3.49E-06	2.35E-06
3019	479376.63, 3850271.93	2.47E-02	7.80E-06	3.31E-06	1.65E-02	5.20E-06	2.21E-06	6.88E-03	2.17E-06	1.25E-07	7.17E-03	2.26E-06	1.72E-07	3.36E-06	2.25E-06
3020	479053.24, 3850293.52	3.76E-02	1.19E-05	5.04E-06	2.58E-02	8.13E-06	3.45E-06	1.15E-02	3.64E-06	2.09E-07	1.20E-02	3.78E-06	2.87E-07	5.12E-06	3.53E-06
3021	479103.24, 3850293.52	3.52E-02	1.11E-05	4.71E-06	2.39E-02	7.55E-06	3.20E-06	1.05E-02	3.33E-06	1.91E-07	1.09E-02	3.45E-06	2.62E-07	4.78E-06	3.27E-06
3022	479153.24, 3850293.52	3.29E-02	1.04E-05	4.41E-06	2.23E-02	7.04E-06	2.99E-06	9.72E-03	3.07E-06	1.76E-07	1.01E-02	3.19E-06	2.42E-07	4.48E-06	3.05E-06
3023	479203.24, 3850293.52	3.10E-02	9.78E-06	4.15E-06	2.09E-02	6.60E-06	2.80E-06	9.01E-03	2.84E-06	1.64E-07	9.37E-03	2.96E-06	2.24E-07	4.21E-06	2.86E-06
3024	479253.24, 3850293.52	2.94E-02	9.27E-06	3.93E-06	1.97E-02	6.22E-06	2.64E-06	8.41E-03	2.65E-06	1.53E-07	8.75E-03	2.76E-06	2.10E-07	3.99E-06	2.70E-06
3025	479303.24, 3850293.52	2.80E-02	8.85E-06	3.75E-06	1.87E-02	5.91E-06	2.51E-06	7.89E-03	2.49E-06	1.43E-07	8.21E-03	2.59E-06	1.97E-07	3.81E-06	2.56E-06
3026	479353.24, 3850293.52	2.69E-02	8.49E-06	3.60E-06	1.79E-02	5.64E-06	2.39E-06	7.43E-03	2.34E-06	1.35E-07	7.73E-03	2.44E-06	1.85E-07	3.65E-06	2.44E-06
3027	479153.24, 3850343.52	4.07E-02	1.28E-05	5.45E-06	2.73E-02	8.61E-06	3.65E-06	1.16E-02	3.66E-06	2.10E-07	1.20E-02	3.79E-06	2.88E-07	5.53E-06	3.73E-06
3028	479203.24, 3850343.52	3.80E-02	1.20E-05	5.09E-06	2.53E-02	8.00E-06	3.39E-06	1.06E-02	3.34E-06	1.92E-07	1.10E-02	3.47E-06	2.63E-07	5.16E-06	3.46E-06
3029	479253.24, 3850343.52	3.59E-02	1.13E-05	4.81E-06	2.38E-02	7.51E-06	3.18E-06	9.76E-03	3.08E-06	1.77E-07	1.01E-02	3.20E-06	2.43E-07	4.88E-06	3.25E-06
3030	479303.24, 3850343.52	3.41E-02	1.08E-05	4.56E-06	2.24E-02	7.08E-06	3.00E-06	9.06E-03	2.86E-06	1.64E-07	9.42E-03	2.97E-06	2.26E-07	4.62E-06	3.07E-06
3031	479353.24, 3850343.52	3.24E-02	1.02E-05	4.34E-06	2.12E-02	6.70E-06	2.84E-06	8.45E-03	2.67E-06	1.53E-07	8.78E-03	2.77E-06	2.10E-07	4.39E-06	2.90E-06
3032	479203.24, 3850393.52	5.37E-02	1.69E-05	7.19E-06	3.44E-02	1.09E-05	4.61E-06	1.29E-02	4.06E-06	2.34E-07	1.33E-02	4.21E-06	3.19E-07	7.27E-06	4.70E-06
3033	479253.24, 3850393.52	4.90E-02	1.55E-05	6.57E-06	3.14E-02	9.91E-06	4.20E-06	1.17E-02	3.68E-06	2.12E-07	1.21E-02	3.82E-06	2.90E-07	6.64E-06	4.28E-06
3034	479303.24, 3850393.52	4.50E-02	1.42E-05	6.02E-06	2.88E-02	9.08E-06	3.85E-06	1.07E-02	3.37E-06	1.94E-07	1.11E-02	3.49E-06	2.65E-07	6.09E-06	3.92E-06
3035	479353.24, 3850393.52	4.16E-02	1.31E-05	5.56E-06	2.66E-02	8.39E-06	3.56E-06	9.83E-03	3.10E-06	1.78E-07	1.02E-02	3.22E-06	2.44E-07	5.63E-06	3.62E-06
3036	479403.24, 3850393.52	3.87E-02	1.22E-05	5.18E-06	2.47E-02	7.79E-06	3.31E-06	9.10E-03	2.87E-06	1.65E-07	9.45E-03	2.98E-06	2.26E-07	5.24E-06	3.37E-06
3037	479453.24, 3850393.52	3.62E-02	1.14E-05	4.85E-06	2.31E-02	7.28E-06	3.09E-06	8.46E-03	2.67E-06	1.54E-07	8.79E-03	2.77E-06	2.10E-07	4.90E-06	3.15E-06
3038	479503.24, 3850393.52	3.40E-02	1.07E-05	4.56E-06	2.17E-02	6.83E-06	2.90E-06	7.88E-03	2.49E-06	1.43E-07	8.19E-03	2.58E-06	1.96E-07	4.61E-06	2.95E-06
3039	479303.24, 3850443.52	6.69E-02	2.11E-05	8.96E-06	4.10E-02	1.29E-05	5.49E-06	1.30E-02	4.11E-06	2.36E-07	1.35E-02	4.25E-06	3.22E-07	9.05E-06	5.57E-06
3040	479353.24, 3850443.52	5.79E-02	1.83E-05	7.75E-06	3.58E-02	1.13E-05	4.79E-06	1.18E-02	3.71E-06	2.14E-07	1.22E-02	3.84E-06	2.92E-07	7.83E-06	4.87E-06
3041	479403.24, 3850443.52	5.13E-02	1.62E-05	6.87E-06	3.19E-02	1.01E-05	4.27E-06	1.07E-02	3.38E-06	1.95E-07	1.11E-02	3.50E-06	2.66E-07	6.94E-06	4.34E-06
3042	479453.24, 3850443.52	4.64E-02	1.46E-05	6.21E-06	2.89E-02	9.12E-06	3.87E-06	9.82E-03	3.10E-06	1.78E-07	1.02E-02	3.21E-06	2.44E-07	6.27E-06	3.94E-06
3043	479503.24, 3850443.52	4.25E-02	1.34E-05	5.68E-06	2.65E-02	8.36E-06	3.55E-06	9.04E-03	2.85E-06	1.64E-07	9.38E-03	2.96E-06	2.25E-07	5.75E-06	3.61E-06
3044	480327.18, 3850987.04	5.00E-02	1.58E-05	6.70E-06	3.46E-02	1.09E-05	4.63E-06	1.59E-02	5.01E-06	2.88E-07	1.65E-02	5.20E-06	3.95E-07	6.80E-06	4.74E-06
3045	480377.18, 3850987.04	4.46E-02	1.41E-05	5.97E-06	3.07E-02	9.70E-06	4.11E-06	1.40E-02	4.42E-06	2.54E-07	1.46E-02	4.60E-06	3.49E-07	6.06E-06	4.21E-06
3046	480427.18, 3850987.04	4.03E-02	1.27E-05	5.40E-06	2.77E-02	8.74E-06	3.71E-06	1.25E-02	3.95E-06	2.27E-07	1.30E-02	4.11E-06	3.12E-07	5.48E-06	3.79E-06
3047	480477.18, 3850987.04	3.69E-02	1.16E-05	4.94E-06	2.52E-02	7.96E-06	3.38E-06	1.12E-02	3.55E-06	2.04E-07	1.17E-02	3.70E-06	2.81E-07	5.02E-06	3.45E-06
3048	480327.18, 3851037.04	6.75E-02	2.13E-05	9.04E-06	4.69E-02	1.48E-05	6.28E-06	2.18E-02	6.87E-06	3.95E-07	2.25E-02	7.12E-06	5.40E-07	9.18E-06	6.43E-06
3049	480377.18, 3851037.04	5.71E-02	1.80E-05	7.64E-06	3.97E-02	1.25E-05	5.31E-06	1.84E-02	5.82E-06	3.35E-07	1.91E-02	6.04E-06	4.58E-07	7.77E-06	5.44E-06
3050	480427.18, 3851037.04	4.97E-02	1.57E-05	6.65E-06	3.45E-02	1.09E-05	4.61E-06	1.59E-02	5.02E-06	2.89E-07	1.66E-02	5.23E-06	3.97E-07	6.76E-06	4.72E-06
3051	480477.18, 3851037.04	4.42E-02	1.39E-05	5.91E-06	3.05E-02	9.63E-06	4.09E-06	1.40E-02	4.41E-06	2.54E-07	1.46E-02	4.60E-06	3.49E-07	6.01E-06	4.18E-06
3052	480622.06, 3851087.39	4.01E-02	1.27E-05	5.37E-06	2.76E-02	8.72E-06	3.70E-06	1.26E-02	3.97E-06	2.29E-07	1.32E-02	4.16E-06	3.16E-07	5.46E-06	3.79E-06
3053	480672.06, 3851087.39	3.66E-02	1.16E-05	4.90E-06	2.51E-02	7.93E-06	3.37E-06	1.13E-02	3.58E-06	2.06E-07	1.19E-02	3.75E-06	2.85E-07	4.98E-06	3.44E-06
3054	480622.06, 3851137.39	5.03E-02	1.59E-05	6.73E-06	3.49E-02	1.10E-05	4.68E-06	1.62E-02	5.11E-06	2.94E-07	1.69E-02	5.35E-06	4.06E-07	6.84E-06	4.79E-06
3055	480672.06, 3851137.39	4.45E-02	1.40E-05	5.96E-06	3.08E-02	9.72E-06	4.13E-06	1.42E-02	4.48E-06	2.57E-07	1.49E-02	4.69E-06	3.56E-07	6.06E-06	4.22E-06
3056	480722.06, 3851137.39	4.01E-02	1.27E-05	5.37E-06	2.77E-02	8.73E-06	3.70E-06	1.26E-02	3.99E-06	2.29E-07	1.33E-02	4.18E-06	3.18E-07	5.46E-06	3.79E-06

3057	480622.06, 3851187.39	6.99E-02	2.21E-05	9.37E-06	4.86E-02	1.53E-05	6.51E-06	2.26E-02	7.13E-06	4.10E-07	2.36E-02	7.46E-06	5.66E-07	9.52E-06	6.67E-06
3058	480672.06, 3851187.39	5.85E-02	1.85E-05	7.84E-06	4.07E-02	1.28E-05	5.45E-06	1.89E-02	5.97E-06	3.43E-07	1.98E-02	6.26E-06	4.75E-07	7.97E-06	5.58E-06
3059	480722.06, 3851187.39	5.06E-02	1.60E-05	6.78E-06	3.51E-02	1.11E-05	4.71E-06	1.63E-02	5.14E-06	2.95E-07	1.71E-02	5.39E-06	4.09E-07	6.89E-06	4.82E-06
3060	471363.09, 3845877.25	2.05E-03	6.46E-07	2.74E-07	1.37E-03	4.33E-07	1.84E-07	5.80E-04	1.83E-07	1.05E-08	6.09E-04	1.92E-07	1.46E-08	2.78E-07	1.88E-07
3061	471863.09, 3845877.25	2.06E-03	6.50E-07	2.76E-07	1.38E-03	4.34E-07	1.84E-07	5.78E-04	1.82E-07	1.05E-08	6.06E-04	1.91E-07	1.45E-08	2.80E-07	1.88E-07
3062	472363.09, 3845877.25	2.20E-03	6.93E-07	2.94E-07	1.50E-03	4.73E-07	2.01E-07	6.66E-04	2.10E-07	1.21E-08	6.97E-04	2.20E-07	1.67E-08	2.99E-07	2.05E-07
3063	472863.09, 3845877.25	2.13E-03	6.71E-07	2.85E-07	1.45E-03	4.57E-07	1.94E-07	6.42E-04	2.03E-07	1.17E-08	6.74E-04	2.13E-07	1.61E-08	2.89E-07	1.99E-07
3064	473363.09, 3845877.25	2.13E-03	6.73E-07	2.86E-07	1.46E-03	4.62E-07	1.96E-07	6.58E-04	2.08E-07	1.19E-08	6.95E-04	2.19E-07	1.67E-08	2.90E-07	2.01E-07
3065	473863.09, 3845877.25	2.12E-03	6.69E-07	2.84E-07	1.46E-03	4.61E-07	1.96E-07	6.67E-04	2.11E-07	1.21E-08	7.07E-04	2.23E-07	1.69E-08	2.89E-07	2.01E-07
3066	474363.09, 3845877.25	2.14E-03	6.76E-07	2.87E-07	1.50E-03	4.73E-07	2.01E-07	7.08E-04	2.23E-07	1.29E-08	7.49E-04	2.36E-07	1.79E-08	2.92E-07	2.06E-07
3067	474863.09, 3845877.25	2.18E-03	6.89E-07	2.92E-07	1.53E-03	4.84E-07	2.05E-07	7.30E-04	2.30E-07	1.33E-08	7.70E-04	2.43E-07	1.85E-08	2.98E-07	2.11E-07
3068	475363.09, 3845877.25	2.25E-03	7.10E-07	3.01E-07	1.57E-03	4.96E-07	2.10E-07	7.39E-04	2.33E-07	1.34E-08	7.74E-04	2.44E-07	1.85E-08	3.06E-07	2.16E-07
3069	475863.09, 3845877.25	2.26E-03	7.15E-07	3.03E-07	1.57E-03	4.95E-07	2.10E-07	7.21E-04	2.27E-07	1.31E-08	7.54E-04	2.38E-07	1.81E-08	3.08E-07	2.15E-07
3070	476363.09, 3845877.25	2.22E-03	7.00E-07	2.97E-07	1.52E-03	4.80E-07	2.04E-07	6.85E-04	2.16E-07	1.24E-08	7.20E-04	2.27E-07	1.72E-08	3.02E-07	2.09E-07
3071	476863.09, 3845877.25	2.11E-03	6.67E-07	2.83E-07	1.44E-03	4.56E-07	1.93E-07	6.44E-04	2.03E-07	1.17E-08	6.81E-04	2.15E-07	1.63E-08	2.87E-07	1.98E-07
3072	477363.09, 3845877.25	2.02E-03	6.37E-07	2.70E-07	1.38E-03	4.34E-07	1.84E-07	6.11E-04	1.93E-07	1.11E-08	6.46E-04	2.04E-07	1.55E-08	2.75E-07	1.89E-07
3073	477863.09, 3845877.25	1.95E-03	6.14E-07	2.60E-07	1.32E-03	4.16E-07	1.76E-07	5.73E-04	1.81E-07	1.04E-08	6.06E-04	1.91E-07	1.45E-08	2.65E-07	1.80E-07
3074	478363.09, 3845877.25	1.93E-03	6.09E-07	2.59E-07	1.30E-03	4.09E-07	1.73E-07	5.51E-04	1.74E-07	1.00E-08	5.79E-04	1.83E-07	1.39E-08	2.62E-07	1.77E-07
3075	478863.09, 3845877.25	1.90E-03	6.00E-07	2.55E-07	1.27E-03	4.00E-07	1.70E-07	5.31E-04	1.68E-07	9.64E-09	5.58E-04	1.76E-07	1.34E-08	2.58E-07	1.74E-07
3076	479363.09, 3845877.25	1.93E-03	6.09E-07	2.58E-07	1.27E-03	4.02E-07	1.71E-07	5.20E-04	1.64E-07	9.44E-09	5.48E-04	1.73E-07	1.31E-08	2.62E-07	1.74E-07
3077	479863.09, 3845877.25	1.96E-03	6.18E-07	2.62E-07	1.28E-03	4.02E-07	1.71E-07	5.00E-04	1.58E-07	9.07E-09	5.27E-04	1.66E-07	1.26E-08	2.66E-07	1.74E-07
3078	480363.09, 3845877.25	1.96E-03	6.18E-07	2.62E-07	1.25E-03	3.96E-07	1.68E-07	4.67E-04	1.47E-07	8.47E-09	4.91E-04	1.55E-07	1.18E-08	2.65E-07	1.71E-07
3079	480863.09, 3845877.25	1.95E-03	6.14E-07	2.60E-07	1.24E-03	3.90E-07	1.65E-07	4.46E-04	1.41E-07	8.10E-09	4.68E-04	1.48E-07	1.12E-08	2.64E-07	1.69E-07
3080	481363.09, 3845877.25	1.89E-03	5.98E-07	2.54E-07	1.20E-03	3.78E-07	1.60E-07	4.28E-04	1.35E-07	7.76E-09	4.51E-04	1.42E-07	1.08E-08	2.57E-07	1.63E-07
3081	481863.09, 3845877.25	1.79E-03	5.64E-07	2.39E-07	1.13E-03	3.58E-07	1.52E-07	4.07E-04	1.29E-07	7.39E-09	4.29E-04	1.35E-07	1.03E-08	2.42E-07	1.55E-07
3082	482363.09, 3845877.25	1.71E-03	5.39E-07	2.29E-07	1.08E-03	3.41E-07	1.45E-07	3.87E-04	1.22E-07	7.02E-09	4.08E-04	1.29E-07	9.78E-09	2.31E-07	1.47E-07
3083	482863.09, 3845877.25	1.60E-03	5.05E-07	2.14E-07	1.00E-03	3.16E-07	1.34E-07	3.45E-04	1.09E-07	6.26E-09	3.64E-04	1.15E-07	8.72E-09	2.17E-07	1.36E-07
3084	483363.09, 3845877.25	1.56E-03	4.92E-07	2.09E-07	9.69E-04	3.06E-07	1.30E-07	3.24E-04	1.02E-07	5.89E-09	3.41E-04	1.08E-07	8.17E-09	2.11E-07	1.32E-07
3085	483863.09, 3845877.25	1.66E-03	5.24E-07	2.22E-07	1.03E-03	3.26E-07	1.38E-07	3.49E-04	1.10E-07	6.34E-09	3.69E-04	1.16E-07	8.84E-09	2.25E-07	1.41E-07
3086	484363.09, 3845877.25	1.64E-03	5.19E-07	2.20E-07	1.02E-03	3.23E-07	1.37E-07	3.46E-04	1.09E-07	6.28E-09	3.64E-04	1.15E-07	8.72E-09	2.22E-07	1.39E-07
3087	484863.09, 3845877.25	1.61E-03	5.07E-07	2.15E-07	1.00E-03	3.16E-07	1.34E-07	3.38E-04	1.07E-07	6.14E-09	3.56E-04	1.12E-07	8.52E-09	2.17E-07	1.36E-07
3088	485363.09, 3845877.25	1.56E-03	4.93E-07	2.09E-07	9.70E-04	3.06E-07	1.30E-07	3.26E-04	1.03E-07	5.91E-09	3.44E-04	1.09E-07	8.25E-09	2.11E-07	1.32E-07
3089	485863.09, 3845877.25	1.57E-03	4.97E-07	2.11E-07	9.76E-04	3.08E-07	1.31E-07	3.26E-04	1.03E-07	5.91E-09	3.43E-04	1.08E-07	8.21E-09	2.13E-07	1.33E-07
3090	486363.09, 3845877.25	1.58E-03	4.99E-07	2.12E-07	9.77E-04	3.08E-07	1.31E-07	3.21E-04	1.01E-07	5.83E-09	3.38E-04	1.07E-07	8.09E-09	2.14E-07	1.33E-07
3091	486863.09, 3845877.25	1.55E-03	4.90E-07	2.08E-07	9.54E-04	3.01E-07	1.28E-07	3.09E-04	9.74E-08	5.60E-09	3.25E-04	1.03E-07	7.78E-09	2.10E-07	1.30E-07
3092	487363.09, 3845877.25	1.56E-03	4.92E-07	2.09E-07	9.55E-04	3.01E-07	1.28E-07	3.04E-04	9.59E-08	5.52E-09	3.20E-04	1.01E-07	7.66E-09	2.11E-07	1.30E-07
3093	487863.09, 3845877.25	1.53E-03	4.84E-07	2.05E-07	9.35E-04	2.95E-07	1.25E-07	2.93E-04	9.25E-08	5.32E-09	3.09E-04	9.74E-08	7.39E-09	2.07E-07	1.27E-07
3094	488363.09, 3845877.25	1.53E-03	4.81E-07	2.04E-07	9.28E-04	2.93E-07	1.24E-07	2.87E-04	9.05E-08	5.20E-09	3.02E-04	9.53E-08	7.23E-09	2.06E-07	1.26E-07
3095	488863.09, 3845877.25	1.60E-03	5.04E-07	2.14E-07	9.72E-04	3.07E-07	1.30E-07	3.01E-04	9.49E-08	5.46E-09	3.17E-04	9.99E-08	7.59E-09	2.16E-07	1.32E-07
3096	489363.09, 3845877.25	1.61E-03	5.07E-07	2.15E-07	9.74E-04	3.07E-07	1.30E-07	2.98E-04	9.39E-08	5.40E-09	3.13E-04	9.89E-08	7.51E-09	2.17E-07	1.33E-07
3097	489863.09, 3845877.25	1.57E-03	4.94E-07	2.10E-07	9.49E-04	2.99E-07	1.27E-07	2.88E-04	9.10E-08	5.23E-09	3.02E-04	9.53E-08	7.23E-09	2.12E-07	1.29E-07
3098	490363.09, 3845877.25	1.54E-03	4.85E-07	2.06E-07	9.24E-04	2.92E-07	1.24E-07	2.74E-04	8.65E-08	4.98E-09	2.87E-04	9.07E-08	6.88E-09	2.07E-07	1.26E-07
3099	490863.09, 3845877.25	1.47E-03	4.65E-07	1.97E-07	8.77E-04	2.77E-07	1.17E-07	2.48E-04	7.81E-08	4.49E-09	2.61E-04	8.24E-08	6.26E-09	1.99E-07	1.19E-07
3100	491363.09, 3845877.25	1.53E-03	4.84E-07	2.05E-07	9.14E-04	2.88E-07	1.22E-07	2.60E-04	8.21E-08	4.72E-09	2.73E-04	8.60E-08	6.53E-09	2.07E-07	1.24E-07
3101	491863.09, 3845877.25	1.58E-03	4.99E-07	2.12E-07	9.40E-04	2.97E-07	1.26E-07	2.65E-04	8.36E-08	4.81E-09	2.77E-04	8.76E-08	6.65E-09	2.13E-07	1.28E-07
3102	492363.09, 3845877.25	1.53E-03	4.82E-07	2.05E-07	9.02E-04	2.85E-07	1.21E-07	2.46E-04	7.76E-08	4.46E-09	2.58E-04	8.14E-08	6.18E-09	2.06E-07	1.23E-07
3103	492863.09, 3845877.25	1.62E-03	5.11E-07	2.17E-07	9.57E-04	3.02E-07	1.28E-07	2.63E-04	8.31E-08	4.78E-09	2.77E-04	8.76E-08	6.65E-09	2.19E-07	1.30E-07
3104	493363.09, 3845877.25	1.66E-03	5.25E-07	2.23E-07	9.83E-04	3.10E-07	1.32E-07	2.68E-04	8.45E-08	4.86E-09	2.82E-04	8.91E-08	6.76E-09	2.25E-07	1.34E-07
3105	493863.09, 3845877.25	1.71E-03	5.40E-07	2.29E-07	1.01E-03	3.18E-07	1.35E-07	2.71E-04	8.55E-08	4.92E-09	2.86E-04	9.02E-08	6.84E-09	2.31E-07	1.37E-07
3106	494363.09, 3845877.25	1.75E-03	5.53E-07	2.35E-07	1.03E-03	3.25E-07	1.38E-07	2.73E-04	8.60E-08	4.95E-09	2.87E-04	9.07E-08	6.88E-09	2.37E-07	1.40E-07
3107	494863.09, 3845877.25	1.78E-03	5.62E-07	2.38E-07	1.04E-03	3.29E-07	1.40E-07	2.73E-04	8.60E-08	4.95E-09	2.87E-04	9.07E-08	6.88E-09	2.40E-07	1.42E-07
3108	495363.09, 3845877.25	1.81E-03	5.71E-07	2.42E-07	1.06E-03	3.34E-07	1.42E-07	2.74E-04	8.65E-08	4.98E-09	2.89E-04	9.12E-08	6.92E-09	2.44E-07	1.44E-07
3109	495863.09, 3845877.25	1.85E-03	5.85E-07	2.48E-07	1.08E-03	3.41E-07	1.45E-07	2.76E-04	8.70E-08	5.00E-09	2.91E-04	9.17E-08	6.96E-09	2.50E-07	1.47E-07
3110	496363.09, 3845877.25	1.90E-03	5.99E-07	2.54E-07	1.10E-03	3.48E-07	1.48E-07	2.77E-04	8.75E-08	5.03E-09	2.92E-04	9.22E-08	7.00E-09	2.56E-07	1.50E-07
3111	496863.09, 3845877.25	1.92E-03	6.07E-07	2.58E-07	1.11E-03	3.52E-07	1.49E-07	2.76E-04	8.70E-08	5.00E-09	2.92E-04	9.22E-08	7.00E-09	2.60E-07	1.51E-07
3112	497363.09, 3845877.25	1.95E-03	6.16E-07	2.61E-07	1.13E-03	3.56E-07	1.51E-07	2.76E-04	8.70E-08	5.00E-09	2.91E-04	9.17E-08	6.96E-09	2.63E-07	1.53E-07
3113	497863.09, 3845877.25	1.99E-03	6.29E-07	2.67E-07	1.15E-03	3.62E-07	1.54E-07	2.74E-04	8.65E-08	4.98E-09	2.89E-04	9.12E-08	6.92E-09	2.69E-07	1.55E-07
3114	498363.09, 3845877.25	2.03E-03	6.41E-07	2.72E-07	1.17E-03	3.68E-07	1.56E-07	2.73E-04	8.60E-08	4.95E-09	2.89E-04	9.12E-08	6.92E-09	2.74E-07	1.58E-07
3115	471363.09, 3846377.25	1.48E-02	4.69E-06	1.99E-06	1.41E-02	4.45E-06	1.89E-06	1.06E-02	3.36E-06	1.93E-07	1.12E-02	3.53E-06	2.68E-07	2.06E-06	1.96E-06
3116	471863.09, 3846377.25	1.27E-02	4.02E-06	1.71E-06	1.20E-02	3.79E-06	1.61E-06	8.99E-03	2.84E-06	1.63E-07	9.44E-03	2.98E-06	2.26E-07	1.77E-06	1.67E-06
3117	472363.09, 3846377.25	4.85E-03	1.53E-06	6.50E-07	4.13E-03	1.30E-06	5.53E-07	2.74E-03	8.63E-07	4.96E-08	2.87E-03	9.06E-07	6.88E-08	6.69E-07	5.72E-07
3118	472863.09, 3846377.25	3.82E-03	1.20E-06	5.11E-07	3.08E-03	9.73E-07	4.13E-07	1.90E-03	5.99E-07	3.45E-08	1.99E-03	6.29E-07	4.77E-08	5.24E-07	4.26E-07
3119	473363.09, 3846377.25	3.31E-03	1.04E-06	4.43E-07	2.58E-03	8.13E-07	3.45E-07	1.50E-03	4.72E-07	2.72E-08	1.57E-03	4.96E-07	3.76E-08	4.54E-07	3.55E-07
3120	473863.09, 3846377.25	3.10E-03	9.78E-07	4.15E-07	2.37E-03	7.49E-07	3.18E-07	1.34E-03	4.23E-07	2.43E-08	1.41E-03	4.45E-07	3.38E-08	4.25E-07	3.27E-07
3121	474363.09, 3846377.25	2.91E-03	9.19E-07	3.90E-07	2.20E-03	6.94E-07	2.95E-07	1.21E-03	3.82E-07	2.20E-08	1.28E-03	4.04E-07	3.07E-08	3.99E-07	3.03E-07
3122	474863.09, 3846377.25	2.81E-03	8.86E-07	3.76E-07	2.10E-03	6.63E-07	2.81E-07	1.14E-03	3.59E-07	2.06E-08	1.20E-03	3.79E-07	2.88E-08	3.84E-07	2.89E-07
3123	475363.09, 3846377.25	2.71E-03	8.54E-07	3.62E-07	2.00E-03	6.31E-07	2.68E-07	1.06E-03	3.34E-07	1.92E-08	1.11E-03	3.52E-07	2.67E-08	3.70E-07	2.75E-07
3124	475863.09, 3846377.25	2.67E-03	8.43E-07	3.58E-07	1.94E-03	6.13E-07	2.60E-07	9.98E-04	3.15E-07	1.81E-08	1.04E-03	3.30E-07	2.50E-08	3.64E-07	2.67E-07
3125	476363.09, 3846377.25	2.61E-03	8.23E-07	3.49E-07	1.86E-03	5.87E-07	2.49E-07	9.16E-04	2.89E-07	1.66E-08	9.60E-04	3.03E-07	2.30E-08	3.55E-07	2.55E-07
3126	476863.09, 3846377.25	2.51E-03	7.91E-07	3.36E-07	1.77E-03	5.58E-07	2.37E-07	8.47E-04	2.67E-07	1.54E-08	8.93E-04	2.82E-07	2.14E-08	3.42E-07	2.43E-07
3127	477363.09, 3846377.25	2.37E-03	7.49E-07	3.18E-07	1.66E-03	5.25E-07	2.23E-07	7.86E-04	2.48E-07	1.43E-08	8.32E-04	2.63E-07	1.99E-08	3.24E-07	2.28E-07
3128	477863.09, 3846377.25	2.26E-03	7.13E-07	3.02E-07	1.57E-03	4.95E-07	2.10E-07	7.25E-04	2.29E-07	1.32E-08	7.69E-04	2.43E-07	1.84E-08	3.08E-07	2.15E-07
3129	478363.09, 3846377.25	2.21E-03	6.96E-07	2.95E-07	1.51E-03	4.78E-07	2.03E-07	6.81E-04	2.15E-07	1.24E-08	7.18E-04	2.27E-07	1.72E-08	3.00E-07	2.07E-07
3130	478863.09, 3846377.25	2.19E-03	6.90E-07	2.93E-07	1.49E-03	4.70E-07	1.99E-07	6.56E-04	2.07E-07	1.19E-08	6.89E-04	2.17E-07	1.65E-08	2.97E-07	2.04E-07
3131	479363.09, 3846377.25	2.16E-03	6.82E-07	2.89E-07	1.46E-03	4.59E-07	1.95E-07	6.27E-04	1.98E-07	1.14E-08	6.59E-04	2.08E-07	1.58E-08	2.94E-07	1.99E-07
3132	479863.09, 3846377.25	2.16E-03	6.81E-07	2.89E-07	1.43E-03	4.53E-07	1.92E-07	5.94E-04	1.87E-07	1.08E-08	6.25E-04	1.97E-07	1.50E-08	2.93E-07	1.96E-07
3133	480363.09, 3846377.25	2.21E-03	6.99E-07	2.97E-07	1.45E-03	4.57E-07	1.94E-07	5.73E-04	1.81E-07	1.04E-08	6.02E-04	1.90E-07	1.44E-08	3.01E-07	1.98E-07
3134	480863.09, 3846377.25	2.17E-03	6.85E-07	2.91E-07	1.40E-03	4.41E-07	1.87E-07	5.28E-04	1.67E-07	9.58E-09	5.55E-04	1.75E-07	1.33E-08	2.94E-07	1.91E-07
3135	481363.09, 3846377.25	2.14E-03	6.77E-07	2.87E-07	1.37E-03	4.32E-07	1.83E-07	5.06E-04	1.60E-07	9.18E-09	5.32E-04	1.68E-07	1.27E-08	2.91E-07	1.87E-07
3136	481863.09, 3846377.25	2.05E-03	6.48E-07	2.75E-07	1.31E-03	4.13E-07	1.75E-07	4.78E-04	1.51E-07	8.67E-09	5.04E-04	1.59E-07	1.21E-08	2.79E-07	1.79E-07
3137	482363.09, 3846377.25	1.92E-03	6.06E-07	2.57E-07	1.22E-03	3.86E-07	1.64E-07	4.48E-04	1.41E-07	8.13E-09	4.73E-04	1.49E-07	1.13E-08	2.61E-07	1.67E-07
3138	482863.09, 3846377.25	1.82E-03	5.73E-07	2.43E-07	1.15E-03	3.62E-07	1.54E-07	4.09E-04	1.29E-07	7.42E-09	4.33E-04	1.37E-07	1.04E-08	2.46E-07	1.57E-07
3139	483363.09, 3846377.25	1.85E-03	5.84E-07	2.48E-07	1.17E-03	3.68E-07	1.56E-07	4.12E-04	1.30E-07	7.48E-09	4.34E-04	1.37E-07	1.04E-08	2.51E-07	1.59E-07
3140	483863.09, 3846377.25	1.85E-03	5.84E-07	2.48E-07	1.16E-03	3.66E-07	1.55E-07	4.01E-04	1.27E-07	7.28E-09	4.23E-04	1.33E-07	1.01E-08	2.51E-07	1.58E-07
3141	484363.09, 3846377.25	1.78E-03	5.62E-07	2.39E-07	1.11E-03	3.51E-07	1.49E-07	3.79E-04	1.20E-07	6.88E-09	4.00E-04	1.26E-07	9.58E-09	2.41E-07	1.52E-07
3142	484863.09, 3846377.25	1.81E-03	5.70E-07	2.42E-07	1.13E-03	3.57E-07	1.51E-07	3.88E-04	1.23E-07	7.05E-09	4.10E-04	1.29E-07	9.81E-09	2.45E-07	1.54E-07
3143	485363.09, 3846377.25	1.80E-03	5.68E-07	2.41E-07	1.12E-03	3.55E-07	1.50E-07	3.84E-04	1.21E-07	6.97E-09	4.03E-04	1.27E-07	9.66E-09	2.44E-07	1.53E-07
3144	485863.09, 3846377.25	1.75E-03	5.52E-07	2.34E-07	1.09E-03	3.44E-07	1.46E-07	3.68E-04	1.16E-07	6.68E-09	3.87E-04	1.22E-07	9.27E-09	2.37E-07	1.48E-07
3145	486363.09, 3846377.25	1.67E-03	5.28E-07	2.24E-07	1.03E-03	3.26E-07	1.38E-07	3.40E-04	1.07E-07	6.17E-09	3.57E-04	1.13E-07	8.56E-09	2.26E-07	1.41E-07
3146	486863.09, 3846377.25	1.66E-03	5.24E-07	2.22E-07	1.02E-03	3.22E-07	1.37E-07	3.29E-04	1.04E-07	5.97E-09	3.46E-04	1.09E-07	8.29E-09	2.25E-07	1.39E-07

3147	487363.09, 3846377.25	1.69E-03	5.33E-07	2.26E-07	1.04E-03	3.27E-07	1.39E-07	3.31E-04	1.04E-07	6.00E-09	3.48E-04	1.10E-07	8.33E-09	2.29E-07	1.41E-07
3148	487863.09, 3846377.25	1.75E-03	5.51E-07	2.34E-07	1.07E-03	3.38E-07	1.43E-07	3.41E-04	1.08E-07	6.20E-09	3.59E-04	1.13E-07	8.60E-09	2.36E-07	1.46E-07
3149	488363.09, 3846377.25	1.75E-03	5.52E-07	2.34E-07	1.07E-03	3.37E-07	1.43E-07	3.34E-04	1.05E-07	6.06E-09	3.53E-04	1.11E-07	8.45E-09	2.37E-07	1.45E-07
3150	488863.09, 3846377.25	1.74E-03	5.50E-07	2.33E-07	1.06E-03	3.35E-07	1.42E-07	3.29E-04	1.04E-07	5.97E-09	3.48E-04	1.10E-07	8.33E-09	2.36E-07	1.44E-07
3151	489363.09, 3846377.25	1.74E-03	5.48E-07	2.32E-07	1.05E-03	3.33E-07	1.41E-07	3.24E-04	1.02E-07	5.89E-09	3.41E-04	1.08E-07	8.17E-09	2.35E-07	1.43E-07
3152	489863.09, 3846377.25	1.72E-03	5.43E-07	2.31E-07	1.04E-03	3.28E-07	1.39E-07	3.13E-04	9.89E-08	5.69E-09	3.30E-04	1.04E-07	7.90E-09	2.33E-07	1.42E-07
3153	490363.09, 3846377.25	1.63E-03	5.16E-07	2.19E-07	9.80E-04	3.09E-07	1.31E-07	2.87E-04	9.05E-08	5.20E-09	3.02E-04	9.53E-08	7.23E-09	2.21E-07	1.33E-07
3154	490863.09, 3846377.25	1.62E-03	5.11E-07	2.17E-07	9.65E-04	3.04E-07	1.29E-07	2.74E-04	8.65E-08	4.98E-09	2.89E-04	9.12E-08	6.92E-09	2.19E-07	1.31E-07
3155	491363.09, 3846377.25	1.63E-03	5.13E-07	2.18E-07	9.66E-04	3.05E-07	1.29E-07	2.69E-04	8.50E-08	4.89E-09	2.84E-04	8.96E-08	6.80E-09	2.20E-07	1.31E-07
3156	491863.09, 3846377.25	1.72E-03	5.41E-07	2.30E-07	1.02E-03	3.22E-07	1.36E-07	2.85E-04	9.00E-08	5.18E-09	2.99E-04	9.43E-08	7.16E-09	2.32E-07	1.38E-07
3157	492363.09, 3846377.25	1.70E-03	5.38E-07	2.28E-07	1.01E-03	3.18E-07	1.35E-07	2.77E-04	8.75E-08	5.03E-09	2.92E-04	9.22E-08	7.00E-09	2.30E-07	1.37E-07
3158	492863.09, 3846377.25	1.73E-03	5.47E-07	2.32E-07	1.02E-03	3.23E-07	1.37E-07	2.77E-04	8.75E-08	5.03E-09	2.91E-04	9.17E-08	6.96E-09	2.34E-07	1.39E-07
3159	493363.09, 3846377.25	1.80E-03	5.68E-07	2.41E-07	1.06E-03	3.35E-07	1.42E-07	2.87E-04	9.05E-08	5.20E-09	3.00E-04	9.48E-08	7.19E-09	2.43E-07	1.44E-07
3160	493863.09, 3846377.25	1.86E-03	5.86E-07	2.49E-07	1.09E-03	3.44E-07	1.46E-07	2.88E-04	9.10E-08	5.23E-09	3.04E-04	9.58E-08	7.27E-09	2.51E-07	1.48E-07
3161	494363.09, 3846377.25	1.88E-03	5.94E-07	2.52E-07	1.10E-03	3.48E-07	1.48E-07	2.88E-04	9.10E-08	5.23E-09	3.04E-04	9.58E-08	7.27E-09	2.54E-07	1.50E-07
3162	494863.09, 3846377.25	1.91E-03	6.04E-07	2.56E-07	1.12E-03	3.53E-07	1.50E-07	2.90E-04	9.15E-08	5.26E-09	3.05E-04	9.63E-08	7.31E-09	2.58E-07	1.52E-07
3163	495363.09, 3846377.25	1.95E-03	6.17E-07	2.62E-07	1.14E-03	3.59E-07	1.52E-07	2.90E-04	9.15E-08	5.26E-09	3.05E-04	9.63E-08	7.31E-09	2.64E-07	1.54E-07
3164	495863.09, 3846377.25	2.00E-03	6.31E-07	2.68E-07	1.16E-03	3.66E-07	1.55E-07	2.91E-04	9.20E-08	5.29E-09	3.07E-04	9.69E-08	7.35E-09	2.70E-07	1.57E-07
3165	496363.09, 3846377.25	2.04E-03	6.45E-07	2.73E-07	1.18E-03	3.73E-07	1.58E-07	2.93E-04	9.25E-08	5.32E-09	3.09E-04	9.74E-08	7.39E-09	2.76E-07	1.61E-07
3166	496863.09, 3846377.25	2.08E-03	6.57E-07	2.79E-07	1.20E-03	3.79E-07	1.61E-07	2.91E-04	9.20E-08	5.29E-09	3.09E-04	9.74E-08	7.39E-09	2.81E-07	1.63E-07
3167	497363.09, 3846377.25	2.12E-03	6.70E-07	2.84E-07	1.22E-03	3.86E-07	1.64E-07	2.91E-04	9.20E-08	5.29E-09	3.07E-04	9.69E-08	7.35E-09	2.87E-07	1.66E-07
3168	497863.09, 3846377.25	2.16E-03	6.83E-07	2.90E-07	1.24E-03	3.92E-07	1.66E-07	2.90E-04	9.15E-08	5.26E-09	3.05E-04	9.63E-08	7.31E-09	2.92E-07	1.68E-07
3169	498363.09, 3846377.25	2.20E-03	6.95E-07	2.95E-07	1.26E-03	3.97E-07	1.68E-07	2.87E-04	9.05E-08	5.20E-09	3.02E-04	9.53E-08	7.23E-09	2.97E-07	1.70E-07
3170	471363.09, 3846877.25	3.38E-03	1.07E-06	4.52E-07	2.59E-03	8.16E-07	3.46E-07	1.46E-03	4.61E-07	2.65E-08	1.54E-03	4.85E-07	3.68E-08	4.63E-07	3.57E-07
3171	471863.09, 3846877.25	5.46E-03	1.72E-06	7.31E-07	4.66E-03	1.47E-06	6.24E-07	3.10E-03	9.79E-07	5.63E-08	3.26E-03	1.03E-06	7.81E-08	7.52E-07	6.45E-07
3172	472363.09, 3846877.25	5.11E-02	1.61E-05	6.85E-06	5.03E-02	1.59E-05	6.74E-06	3.94E-02	1.24E-05	7.15E-07	4.13E-02	1.30E-05	9.89E-07	7.12E-06	7.01E-06
3173	472863.09, 3846877.25	7.46E-03	2.35E-06	9.99E-07	6.68E-03	2.11E-06	8.94E-07	4.72E-03	1.49E-06	8.56E-08	4.95E-03	1.56E-06	1.19E-07	1.03E-06	9.27E-07
3174	473363.09, 3846877.25	5.21E-03	1.65E-06	6.98E-07	4.42E-03	1.39E-06	5.92E-07	2.91E-03	9.19E-07	5.29E-08	3.06E-03	9.64E-07	7.32E-08	7.19E-07	6.12E-07
3175	473863.09, 3846877.25	4.53E-03	1.43E-06	6.06E-07	3.72E-03	1.18E-06	4.99E-07	2.35E-03	7.43E-07	4.27E-08	2.47E-03	7.80E-07	5.92E-08	6.23E-07	5.15E-07
3176	474363.09, 3846877.25	3.93E-03	1.24E-06	5.26E-07	3.13E-03	9.88E-07	4.19E-07	1.89E-03	5.96E-07	3.43E-08	1.98E-03	6.26E-07	4.75E-08	5.39E-07	4.32E-07
3177	474863.09, 3846877.25	3.54E-03	1.12E-06	4.74E-07	2.76E-03	8.70E-07	3.69E-07	1.60E-03	5.05E-07	2.91E-08	1.69E-03	5.33E-07	4.05E-08	4.86E-07	3.81E-07
3178	475363.09, 3846877.25	3.26E-03	1.03E-06	4.36E-07	2.49E-03	7.85E-07	3.33E-07	1.40E-03	4.41E-07	2.53E-08	1.47E-03	4.65E-07	3.53E-08	4.46E-07	3.43E-07
3179	475863.09, 3846877.25	3.16E-03	9.99E-07	4.24E-07	2.39E-03	7.54E-07	3.20E-07	1.31E-03	4.14E-07	2.38E-08	1.38E-03	4.36E-07	3.31E-08	4.33E-07	3.29E-07
3180	476363.09, 3846877.25	3.05E-03	9.63E-07	4.08E-07	2.26E-03	7.13E-07	3.03E-07	1.20E-03	3.79E-07	2.18E-08	1.26E-03	3.97E-07	3.01E-08	4.17E-07	3.11E-07
3181	476863.09, 3846877.25	2.93E-03	9.25E-07	3.93E-07	2.13E-03	6.72E-07	2.85E-07	1.09E-03	3.43E-07	1.97E-08	1.14E-03	3.60E-07	2.73E-08	4.00E-07	2.93E-07
3182	477363.09, 3846877.25	2.82E-03	8.89E-07	3.77E-07	2.01E-03	6.36E-07	2.70E-07	9.96E-04	3.14E-07	1.81E-08	1.05E-03	3.32E-07	2.52E-08	3.84E-07	2.77E-07
3183	477863.09, 3846877.25	2.63E-03	8.31E-07	3.53E-07	1.87E-03	5.89E-07	2.50E-07	9.05E-04	2.86E-07	1.64E-08	9.60E-04	3.03E-07	2.30E-08	3.59E-07	2.57E-07
3184	478363.09, 3846877.25	2.54E-03	8.02E-07	3.40E-07	1.78E-03	5.62E-07	2.38E-07	8.41E-04	2.66E-07	1.53E-08	8.90E-04	2.81E-07	2.13E-08	3.46E-07	2.44E-07
3185	478863.09, 3846877.25	2.51E-03	7.91E-07	3.35E-07	1.74E-03	5.48E-07	2.32E-07	7.99E-04	2.52E-07	1.45E-08	8.41E-04	2.65E-07	2.01E-08	3.41E-07	2.38E-07
3186	479363.09, 3846877.25	2.44E-03	7.70E-07	3.27E-07	1.67E-03	5.27E-07	2.24E-07	7.49E-04	2.36E-07	1.36E-08	7.88E-04	2.49E-07	1.89E-08	3.32E-07	2.29E-07
3187	479863.09, 3846877.25	2.32E-03	7.32E-07	3.10E-07	1.56E-03	4.92E-07	2.09E-07	6.66E-04	2.10E-07	1.21E-08	7.00E-04	2.21E-07	1.68E-08	3.15E-07	2.13E-07
3188	480363.09, 3846877.25	2.29E-03	7.21E-07	3.06E-07	1.51E-03	4.75E-07	2.02E-07	6.08E-04	1.92E-07	1.10E-08	6.38E-04	2.01E-07	1.53E-08	3.10E-07	2.06E-07
3189	480863.09, 3846877.25	2.29E-03	7.24E-07	3.07E-07	1.49E-03	4.69E-07	1.99E-07	5.72E-04	1.80E-07	1.04E-08	6.01E-04	1.90E-07	1.44E-08	3.11E-07	2.03E-07
3190	481363.09, 3846877.25	2.34E-03	7.39E-07	3.13E-07	1.50E-03	4.74E-07	2.01E-07	5.64E-04	1.78E-07	1.02E-08	5.94E-04	1.88E-07	1.42E-08	3.17E-07	2.05E-07
3191	481863.09, 3846877.25	2.29E-03	7.21E-07	3.06E-07	1.46E-03	4.62E-07	1.96E-07	5.42E-04	1.71E-07	9.84E-09	5.71E-04	1.80E-07	1.37E-08	3.10E-07	2.00E-07
3192	482363.09, 3846877.25	2.12E-03	6.70E-07	2.84E-07	1.36E-03	4.28E-07	1.82E-07	5.00E-04	1.58E-07	9.07E-09	5.27E-04	1.66E-07	1.26E-08	2.88E-07	1.85E-07
3193	482863.09, 3846877.25	2.10E-03	6.63E-07	2.81E-07	1.33E-03	4.21E-07	1.79E-07	4.82E-04	1.52E-07	8.76E-09	5.09E-04	1.61E-07	1.22E-08	2.85E-07	1.82E-07
3194	483363.09, 3846877.25	2.07E-03	6.53E-07	2.77E-07	1.31E-03	4.13E-07	1.75E-07	4.68E-04	1.48E-07	8.50E-09	4.93E-04	1.56E-07	1.18E-08	2.81E-07	1.79E-07
3195	483863.09, 3846877.25	2.05E-03	6.48E-07	2.75E-07	1.29E-03	4.08E-07	1.73E-07	4.54E-04	1.43E-07	8.25E-09	4.80E-04	1.51E-07	1.15E-08	2.78E-07	1.76E-07
3196	484363.09, 3846877.25	2.05E-03	6.46E-07	2.74E-07	1.29E-03	4.06E-07	1.72E-07	4.48E-04	1.41E-07	8.13E-09	4.72E-04	1.49E-07	1.13E-08	2.77E-07	1.75E-07
3197	484863.09, 3846877.25	2.02E-03	6.36E-07	2.70E-07	1.26E-03	3.98E-07	1.69E-07	4.34E-04	1.37E-07	7.88E-09	4.57E-04	1.44E-07	1.09E-08	2.73E-07	1.72E-07
3198	485363.09, 3846877.25	2.01E-03	6.33E-07	2.69E-07	1.25E-03	3.95E-07	1.68E-07	4.28E-04	1.35E-07	7.76E-09	4.51E-04	1.42E-07	1.08E-08	2.72E-07	1.71E-07
3199	485863.09, 3846877.25	1.96E-03	6.18E-07	2.62E-07	1.22E-03	3.85E-07	1.63E-07	4.12E-04	1.30E-07	7.48E-09	4.34E-04	1.37E-07	1.04E-08	2.65E-07	1.66E-07
3200	486363.09, 3846877.25	1.99E-03	6.27E-07	2.66E-07	1.23E-03	3.89E-07	1.65E-07	4.14E-04	1.31E-07	7.51E-09	4.36E-04	1.38E-07	1.04E-08	2.69E-07	1.68E-07
3201	486863.09, 3846877.25	1.89E-03	5.97E-07	2.53E-07	1.17E-03	3.68E-07	1.56E-07	3.82E-04	1.21E-07	6.94E-09	4.03E-04	1.27E-07	9.66E-09	2.56E-07	1.59E-07
3202	487363.09, 3846877.25	1.92E-03	6.05E-07	2.57E-07	1.18E-03	3.72E-07	1.58E-07	3.81E-04	1.20E-07	6.91E-09	4.02E-04	1.27E-07	9.62E-09	2.59E-07	1.61E-07
3203	487863.09, 3846877.25	1.92E-03	6.07E-07	2.58E-07	1.18E-03	3.72E-07	1.58E-07	3.74E-04	1.18E-07	6.80E-09	3.93E-04	1.24E-07	9.42E-09	2.60E-07	1.60E-07
3204	488363.09, 3846877.25	1.91E-03	6.03E-07	2.56E-07	1.16E-03	3.68E-07	1.56E-07	3.63E-04	1.15E-07	6.60E-09	3.84E-04	1.21E-07	9.19E-09	2.59E-07	1.59E-07
3205	488863.09, 3846877.25	1.90E-03	6.01E-07	2.55E-07	1.16E-03	3.66E-07	1.55E-07	3.59E-04	1.13E-07	6.51E-09	3.77E-04	1.19E-07	9.03E-09	2.58E-07	1.58E-07
3206	489363.09, 3846877.25	1.90E-03	5.99E-07	2.54E-07	1.15E-03	3.64E-07	1.54E-07	3.54E-04	1.12E-07	6.43E-09	3.72E-04	1.17E-07	8.92E-09	2.57E-07	1.57E-07
3207	489863.09, 3846877.25	1.88E-03	5.94E-07	2.52E-07	1.14E-03	3.59E-07	1.52E-07	3.41E-04	1.08E-07	6.20E-09	3.61E-04	1.14E-07	8.64E-09	2.54E-07	1.55E-07
3208	490363.09, 3846877.25	1.81E-03	5.72E-07	2.42E-07	1.09E-03	3.43E-07	1.46E-07	3.18E-04	1.00E-07	5.77E-09	3.35E-04	1.06E-07	8.02E-09	2.45E-07	1.48E-07
3209	490863.09, 3846877.25	1.80E-03	5.67E-07	2.41E-07	1.07E-03	3.39E-07	1.44E-07	3.07E-04	9.69E-08	5.57E-09	3.23E-04	1.02E-07	7.74E-09	2.43E-07	1.46E-07
3210	491363.09, 3846877.25	1.82E-03	5.75E-07	2.44E-07	1.08E-03	3.42E-07	1.45E-07	3.04E-04	9.59E-08	5.52E-09	3.20E-04	1.01E-07	7.66E-09	2.46E-07	1.47E-07
3211	491863.09, 3846877.25	1.81E-03	5.70E-07	2.42E-07	1.07E-03	3.37E-07	1.43E-07	2.93E-04	9.25E-08	5.32E-09	3.09E-04	9.74E-08	7.39E-09	2.44E-07	1.45E-07
3212	492363.09, 3846877.25	1.91E-03	6.02E-07	2.55E-07	1.13E-03	3.56E-07	1.51E-07	3.07E-04	9.69E-08	5.57E-09	3.23E-04	1.02E-07	7.74E-09	2.58E-07	1.53E-07
3213	492863.09, 3846877.25	1.93E-03	6.10E-07	2.59E-07	1.14E-03	3.59E-07	1.52E-07	3.05E-04	9.64E-08	5.55E-09	3.22E-04	1.01E-07	7.70E-09	2.61E-07	1.55E-07
3214	493363.09, 3846877.25	1.97E-03	6.23E-07	2.64E-07	1.16E-03	3.65E-07	1.55E-07	3.05E-04	9.64E-08	5.55E-09	3.23E-04	1.02E-07	7.74E-09	2.67E-07	1.57E-07
3215	493863.09, 3846877.25	2.00E-03	6.32E-07	2.68E-07	1.17E-03	3.70E-07	1.57E-07	3.05E-04	9.64E-08	5.55E-09	3.22E-04	1.01E-07	7.70E-09	2.70E-07	1.59E-07
3216	494363.09, 3846877.25	2.03E-03	6.40E-07	2.71E-07	1.18E-03	3.73E-07	1.58E-07	3.04E-04	9.59E-08	5.52E-09	3.20E-04	1.01E-07	7.66E-09	2.74E-07	1.61E-07
3217	494863.09, 3846877.25	2.07E-03	6.52E-07	2.77E-07	1.20E-03	3.79E-07	1.61E-07	3.02E-04	9.54E-08	5.49E-09	3.18E-04	1.00E-07	7.62E-09	2.79E-07	1.63E-07
3218	495363.09, 3846877.25	2.09E-03	6.60E-07	2.80E-07	1.21E-03	3.83E-07	1.62E-07	3.01E-04	9.49E-08	5.46E-09	3.17E-04	9.99E-08	7.59E-09	2.82E-07	1.65E-07
3219	495863.09, 3846877.25	2.13E-03	6.73E-07	2.86E-07	1.23E-03	3.89E-07	1.65E-07	2.99E-04	9.44E-08	5.43E-09	3.17E-04	9.99E-08	7.59E-09	2.88E-07	1.67E-07
3220	496363.09, 3846877.25	2.17E-03	6.86E-07	2.91E-07	1.25E-03	3.95E-07	1.68E-07	2.99E-04	9.44E-08	5.43E-09	3.15E-04	9.94E-08	7.55E-09	2.93E-07	1.70E-07
3221	496863.09, 3846877.25	2.23E-03	7.05E-07	2.99E-07	1.28E-03	4.04E-07	1.72E-07	3.01E-04	9.49E-08	5.46E-09	3.17E-04	9.99E-08	7.59E-09	3.01E-07	1.74E-07
3222	497363.09, 3846877.25	2.30E-03	7.27E-07	3.09E-07	1.32E-03	4.16E-07	1.76E-07	3.02E-04	9.54E-08	5.49E-09	3.20E-04	1.01E-07	7.66E-09	3.11E-07	1.78E-07
3223	497863.09, 3846877.25	2.38E-03	7.50E-07	3.18E-07	1.35E-03	4.27E-07	1.81E-07	3.04E-04	9.59E-08	5.52E-09	3.20E-04	1.01E-07	7.66E-09	3.20E-07	1.83E-07
3224	498363.09, 3846877.25	2.41E-03	7.61E-07	3.23E-07	1.37E-03	4.31E-07	1.83E-07	2.99E-04	9.44E-08	5.43E-09	3.17E-04	9.99E-08	7.59E-09	3.25E-07	1.85E-07
3225	471363.09, 3847377.25	2.87E-03	9.05E-07	3.84E-07	2.01E-03	6.33E-07	2.68E-07	9.45E-04	2.98E-07	1.71E-08	9.92E-04	3.13E-07	2.38E-08	3.91E-07	2.75E-07
3226	471863.09, 3847377.25	3.31E-03	1.05E-06	4.44E-07	2.45E-03	7.72E-07	3.27E-07	1.29E-03	4.07E-07	2.34E-08	1.36E-03	4.28E-07	3.25E-08	4.53E-07	3.37E-07
3227	472363.09, 3847377.25	4.50E-03	1.42E-06	6.03E-07	3.62E-03	1.14E-06	4.85E-07	2.22E-03	7.01E-07	4.03E-08	2.34E-03	7.38E-07	5.60E-08	6.18E-07	5.01E-07
3228	472863.09, 3847377.25	1.43E-02	4.50E-06	1.91E-06	1.34E-02	4.22E-06	1.79E-06	9.96E-03	3.14E-06	1.81E-07	1.04E-02	3.30E-06	2.50E-07	1.98E-06	1.86E-06
3229	473363.09, 3847377.25	1.32E-02	4.18E-06	1.77E-06	1.24E-02	3.90E-06	1.65E-06	9.16E-03	2.89E-06	1.66E-07	9.63E-03	3.04E-06	2.31E-07	1.84E-06	1.72E-06
3230	473863.09, 3847377.25	7.16E-03	2.26E-06	9.59E-07	6.27E-03	1.98E-06	8.39E-07	4.31E-03	1.36E-06	7.82E-08	4.53E-03	1.43E-06	1.08E-07	9.89E-07	8.69E-07
3231	474363.09, 3847377.25	5.76E-03	1.82E-06	7.71E-07	4.84E-03	1.53E-06	6.48E-07	3.16E-03	9.97E-07	5.74E-08	3.32E-03	1.05E-06	7.95E-08	7.93E-07	6.71E-07
3232	474863.09, 3847377.25	4.68E-03	1.48E-06	6.27E-07	3.79E-03	1.20E-06	5.07E-07	2.34E-03	7.37E-07	4.24E-08	2.46E-03	7.76E-07	5.89E-08	6.43E-07	5.24E-07
3233	475363.09, 3847377.25	4.03E-03	1.27E-06	5.39E-07	3.16E-03	9.97E-07	4.23E-07	1.86E-03	5.86E-07	3.37E-08	1.96E-03	6.19E-07	4.70E-08	5.53E-07	4.36E-07
3234	475863.09, 3847377.25	3.82E-03	1.21E-06	5.12E-07	2.96E-03	9.35E-07	3.97E-07	1.71E-03	5.38E-07	3.10E-08	1.80E-03	5.69E-07	4.32E-08	5.24E-07	4.09E-07
3235	476363.09, 3847377.25	3.64E-03	1.15E-06	4.88E-07	2.78E-03	8.77E-07	3.72E-07	1.56E-03	4.92E-07	2.83E-08	1.64E-03	5.19E-07	3.94E-08	4.99E-07	3.83E-07
3236	476863.09, 3847377.25	3.42E-03	1.08E-06	4.58E-07	2.55E-03	8.04E-07	3.41E-07	1.37E-03	4.31E-07	2.48E-08	1.43E-03	4.52E-07	3.43E-08	4.68E-07	3.51E-07

3237	477363.09, 3847377.25	3.28E-03	1.04E-06	4.40E-07	2.40E-03	7.56E-07	3.21E-07	1.24E-03	3.90E-07	2.24E-08	1.30E-03	4.10E-07	3.11E-08	4.48E-07	3.30E-07
3238	477863.09, 3847377.25	3.12E-03	9.84E-07	4.18E-07	2.24E-03	7.06E-07	3.00E-07	1.12E-03	3.52E-07	2.02E-08	1.18E-03	3.71E-07	2.82E-08	4.25E-07	3.08E-07
3239	478363.09, 3847377.25	2.96E-03	9.34E-07	3.96E-07	2.10E-03	6.63E-07	2.81E-07	1.02E-03	3.22E-07	1.85E-08	1.08E-03	3.42E-07	2.59E-08	4.04E-07	2.89E-07
3240	478863.09, 3847377.25	2.90E-03	9.15E-07	3.88E-07	2.03E-03	6.41E-07	2.72E-07	9.60E-04	3.03E-07	1.74E-08	1.01E-03	3.20E-07	2.43E-08	3.95E-07	2.79E-07
3241	479363.09, 3847377.25	2.71E-03	8.55E-07	3.63E-07	1.87E-03	5.90E-07	2.50E-07	8.52E-04	2.69E-07	1.55E-08	8.96E-04	2.83E-07	2.15E-08	3.69E-07	2.56E-07
3242	479863.09, 3847377.25	2.48E-03	7.84E-07	3.33E-07	1.68E-03	5.30E-07	2.25E-07	7.30E-04	2.30E-07	1.33E-08	7.69E-04	2.43E-07	1.84E-08	3.38E-07	2.30E-07
3243	480363.09, 3847377.25	2.30E-03	7.26E-07	3.08E-07	1.52E-03	4.79E-07	2.03E-07	6.17E-04	1.95E-07	1.12E-08	6.46E-04	2.04E-07	1.55E-08	3.12E-07	2.07E-07
3244	480863.09, 3847377.25	2.24E-03	7.07E-07	3.00E-07	1.46E-03	4.61E-07	1.96E-07	5.72E-04	1.80E-07	1.04E-08	5.99E-04	1.89E-07	1.44E-08	3.04E-07	1.99E-07
3245	481363.09, 3847377.25	2.36E-03	7.45E-07	3.16E-07	1.52E-03	4.81E-07	2.04E-07	5.80E-04	1.83E-07	1.05E-08	6.09E-04	1.92E-07	1.46E-08	3.20E-07	2.08E-07
3246	481863.09, 3847377.25	2.55E-03	8.06E-07	3.42E-07	1.64E-03	5.17E-07	2.19E-07	6.13E-04	1.93E-07	1.11E-08	6.46E-04	2.04E-07	1.55E-08	3.46E-07	2.24E-07
3247	482363.09, 3847377.25	2.50E-03	7.88E-07	3.34E-07	1.60E-03	5.04E-07	2.14E-07	5.89E-04	1.86E-07	1.07E-08	6.22E-04	1.96E-07	1.49E-08	3.39E-07	2.18E-07
3248	482863.09, 3847377.25	2.44E-03	7.71E-07	3.27E-07	1.55E-03	4.89E-07	2.07E-07	5.58E-04	1.76E-07	1.01E-08	5.89E-04	1.86E-07	1.41E-08	3.31E-07	2.11E-07
3249	483363.09, 3847377.25	2.34E-03	7.38E-07	3.13E-07	1.48E-03	4.67E-07	1.98E-07	5.29E-04	1.67E-07	9.61E-09	5.60E-04	1.77E-07	1.34E-08	3.17E-07	2.02E-07
3250	483863.09, 3847377.25	2.34E-03	7.37E-07	3.13E-07	1.47E-03	4.64E-07	1.97E-07	5.15E-04	1.63E-07	9.36E-09	5.44E-04	1.72E-07	1.30E-08	3.16E-07	2.00E-07
3251	484363.09, 3847377.25	2.36E-03	7.46E-07	3.16E-07	1.48E-03	4.68E-07	1.98E-07	5.14E-04	1.62E-07	9.33E-09	5.42E-04	1.71E-07	1.30E-08	3.20E-07	2.02E-07
3252	484863.09, 3847377.25	2.31E-03	7.30E-07	3.10E-07	1.45E-03	4.56E-07	1.94E-07	4.95E-04	1.56E-07	8.99E-09	5.22E-04	1.65E-07	1.25E-08	3.13E-07	1.97E-07
3253	485363.09, 3847377.25	2.28E-03	7.20E-07	3.06E-07	1.42E-03	4.49E-07	1.90E-07	4.82E-04	1.52E-07	8.76E-09	5.08E-04	1.60E-07	1.22E-08	3.09E-07	1.94E-07
3254	485863.09, 3847377.25	2.26E-03	7.12E-07	3.02E-07	1.40E-03	4.43E-07	1.88E-07	4.75E-04	1.50E-07	8.62E-09	5.01E-04	1.58E-07	1.20E-08	3.06E-07	1.91E-07
3255	486363.09, 3847377.25	2.25E-03	7.09E-07	3.01E-07	1.40E-03	4.41E-07	1.87E-07	4.68E-04	1.48E-07	8.50E-09	4.93E-04	1.56E-07	1.18E-08	3.04E-07	1.90E-07
3256	486863.09, 3847377.25	2.17E-03	6.84E-07	2.90E-07	1.34E-03	4.22E-07	1.79E-07	4.37E-04	1.38E-07	7.93E-09	4.60E-04	1.45E-07	1.10E-08	2.93E-07	1.82E-07
3257	487363.09, 3847377.25	2.19E-03	6.91E-07	2.93E-07	1.34E-03	4.24E-07	1.80E-07	4.32E-04	1.36E-07	7.85E-09	4.55E-04	1.44E-07	1.09E-08	2.96E-07	1.83E-07
3258	487863.09, 3847377.25	2.12E-03	6.70E-07	2.84E-07	1.30E-03	4.10E-07	1.74E-07	4.12E-04	1.30E-07	7.48E-09	4.34E-04	1.37E-07	1.04E-08	2.87E-07	1.77E-07
3259	488363.09, 3847377.25	2.12E-03	6.70E-07	2.84E-07	1.29E-03	4.08E-07	1.73E-07	4.01E-04	1.27E-07	7.28E-09	4.21E-04	1.33E-07	1.01E-08	2.87E-07	1.76E-07
3260	488863.09, 3847377.25	2.11E-03	6.67E-07	2.83E-07	1.28E-03	4.05E-07	1.72E-07	3.93E-04	1.24E-07	7.14E-09	4.13E-04	1.30E-07	9.89E-09	2.86E-07	1.74E-07
3261	489363.09, 3847377.25	2.12E-03	6.68E-07	2.83E-07	1.28E-03	4.03E-07	1.71E-07	3.85E-04	1.22E-07	7.00E-09	4.06E-04	1.28E-07	9.74E-09	2.86E-07	1.74E-07
3262	489863.09, 3847377.25	2.05E-03	6.48E-07	2.75E-07	1.24E-03	3.90E-07	1.66E-07	3.68E-04	1.16E-07	6.68E-09	3.87E-04	1.22E-07	9.27E-09	2.77E-07	1.68E-07
3263	490363.09, 3847377.25	2.02E-03	6.37E-07	2.70E-07	1.21E-03	3.81E-07	1.62E-07	3.51E-04	1.11E-07	6.37E-09	3.69E-04	1.16E-07	8.84E-09	2.73E-07	1.64E-07
3264	490863.09, 3847377.25	2.02E-03	6.38E-07	2.71E-07	1.21E-03	3.81E-07	1.61E-07	3.43E-04	1.08E-07	6.23E-09	3.62E-04	1.14E-07	8.68E-09	2.73E-07	1.64E-07
3265	491363.09, 3847377.25	2.03E-03	6.40E-07	2.71E-07	1.20E-03	3.80E-07	1.61E-07	3.35E-04	1.06E-07	6.09E-09	3.53E-04	1.11E-07	8.45E-09	2.74E-07	1.63E-07
3266	491863.09, 3847377.25	2.08E-03	6.58E-07	2.79E-07	1.23E-03	3.89E-07	1.65E-07	3.38E-04	1.07E-07	6.14E-09	3.56E-04	1.12E-07	8.52E-09	2.82E-07	1.68E-07
3267	492363.09, 3847377.25	2.09E-03	6.58E-07	2.79E-07	1.23E-03	3.88E-07	1.64E-07	3.29E-04	1.04E-07	5.97E-09	3.48E-04	1.10E-07	8.33E-09	2.82E-07	1.67E-07
3268	492863.09, 3847377.25	2.13E-03	6.71E-07	2.85E-07	1.25E-03	3.94E-07	1.67E-07	3.29E-04	1.04E-07	5.97E-09	3.46E-04	1.09E-07	8.29E-09	2.87E-07	1.69E-07
3269	493363.09, 3847377.25	2.15E-03	6.79E-07	2.88E-07	1.26E-03	3.97E-07	1.68E-07	3.26E-04	1.03E-07	5.91E-09	3.43E-04	1.08E-07	8.21E-09	2.90E-07	1.71E-07
3270	493863.09, 3847377.25	2.15E-03	6.80E-07	2.89E-07	1.25E-03	3.96E-07	1.68E-07	3.18E-04	1.00E-07	5.77E-09	3.35E-04	1.06E-07	8.02E-09	2.91E-07	1.70E-07
3271	494363.09, 3847377.25	2.16E-03	6.82E-07	2.89E-07	1.25E-03	3.95E-07	1.68E-07	3.12E-04	9.84E-08	5.66E-09	3.28E-04	1.04E-07	7.86E-09	2.92E-07	1.70E-07
3272	494863.09, 3847377.25	2.18E-03	6.89E-07	2.92E-07	1.26E-03	3.98E-07	1.69E-07	3.07E-04	9.69E-08	5.57E-09	3.25E-04	1.03E-07	7.78E-09	2.95E-07	1.71E-07
3273	495363.09, 3847377.25	2.22E-03	7.01E-07	2.97E-07	1.28E-03	4.03E-07	1.71E-07	3.04E-04	9.59E-08	5.52E-09	3.22E-04	1.01E-07	7.70E-09	3.00E-07	1.73E-07
3274	495863.09, 3847377.25	2.26E-03	7.14E-07	3.03E-07	1.30E-03	4.09E-07	1.74E-07	3.02E-04	9.54E-08	5.49E-09	3.20E-04	1.01E-07	7.66E-09	3.05E-07	1.76E-07
3275	496363.09, 3847377.25	2.30E-03	7.26E-07	3.08E-07	1.31E-03	4.15E-07	1.76E-07	3.01E-04	9.49E-08	5.46E-09	3.18E-04	1.00E-07	7.62E-09	3.10E-07	1.78E-07
3276	496863.09, 3847377.25	2.38E-03	7.50E-07	3.18E-07	1.35E-03	4.27E-07	1.81E-07	3.04E-04	9.59E-08	5.52E-09	3.20E-04	1.01E-07	7.66E-09	3.20E-07	1.83E-07
3277	497363.09, 3847377.25	2.46E-03	7.77E-07	3.30E-07	1.40E-03	4.41E-07	1.87E-07	3.07E-04	9.69E-08	5.57E-09	3.25E-04	1.03E-07	7.78E-09	3.32E-07	1.89E-07
3278	497863.09, 3847377.25	2.58E-03	8.14E-07	3.46E-07	1.46E-03	4.60E-07	1.95E-07	3.13E-04	9.89E-08	5.69E-09	3.31E-04	1.05E-07	7.94E-09	3.48E-07	1.98E-07
3279	498363.09, 3847377.25	2.63E-03	8.31E-07	3.53E-07	1.48E-03	4.68E-07	1.99E-07	3.12E-04	9.84E-08	5.66E-09	3.30E-04	1.04E-07	7.90E-09	3.55E-07	2.01E-07
3280	471363.09, 3847877.25	2.74E-03	8.65E-07	3.67E-07	1.82E-03	5.73E-07	2.43E-07	7.46E-04	2.35E-07	1.35E-08	7.82E-04	2.47E-07	1.87E-08	3.72E-07	2.48E-07
3281	471863.09, 3847877.25	2.97E-03	9.36E-07	3.97E-07	2.03E-03	6.39E-07	2.71E-07	9.02E-04	2.85E-07	1.64E-08	9.48E-04	2.99E-07	2.27E-08	4.03E-07	2.78E-07
3282	472363.09, 3847877.25	3.36E-03	1.06E-06	4.50E-07	2.40E-03	7.57E-07	3.21E-07	1.18E-03	3.73E-07	2.15E-08	1.25E-03	3.93E-07	2.98E-08	4.58E-07	3.30E-07
3283	472863.09, 3847877.25	4.13E-03	1.30E-06	5.53E-07	3.14E-03	9.92E-07	4.21E-07	1.75E-03	5.54E-07	3.18E-08	1.85E-03	5.83E-07	4.42E-08	5.66E-07	4.33E-07
3284	473363.09, 3847877.25	6.36E-03	2.01E-06	8.52E-07	5.34E-03	1.69E-06	7.15E-07	3.47E-03	1.10E-06	6.31E-08	3.64E-03	1.15E-06	8.73E-08	8.76E-07	7.39E-07
3285	473863.09, 3847877.25	7.94E-02	2.51E-05	1.06E-05	7.83E-02	2.47E-05	1.05E-05	6.14E-02	1.94E-05	1.12E-06	6.35E-02	2.00E-05	1.52E-06	1.10E-05	1.09E-05
3286	474363.09, 3847877.25	1.04E-02	3.29E-06	1.40E-06	9.34E-03	2.95E-06	1.25E-06	6.61E-03	2.08E-06	1.20E-07	6.96E-03	2.20E-06	1.67E-07	1.44E-06	1.30E-06
3287	474863.09, 3847877.25	7.17E-03	2.26E-06	9.60E-07	6.08E-03	1.92E-06	8.14E-07	4.01E-03	1.27E-06	7.28E-08	4.21E-03	1.33E-06	1.01E-07	9.88E-07	8.42E-07
3288	475363.09, 3847877.25	5.39E-03	1.70E-06	7.21E-07	4.36E-03	1.38E-06	5.84E-07	2.69E-03	8.49E-07	4.88E-08	2.83E-03	8.92E-07	6.77E-08	7.40E-07	6.03E-07
3289	475863.09, 3847877.25	4.50E-03	1.42E-06	6.02E-07	3.52E-03	1.11E-06	4.72E-07	2.07E-03	6.52E-07	3.75E-08	2.18E-03	6.87E-07	5.22E-08	6.17E-07	4.86E-07
3290	476363.09, 3847877.25	4.39E-03	1.38E-06	5.88E-07	3.41E-03	1.07E-06	4.56E-07	1.97E-03	6.21E-07	3.57E-08	2.08E-03	6.55E-07	4.97E-08	6.02E-07	4.70E-07
3291	476863.09, 3847877.25	4.08E-03	1.29E-06	5.46E-07	3.10E-03	9.77E-07	4.15E-07	1.72E-03	5.43E-07	3.13E-08	1.81E-03	5.72E-07	4.34E-08	5.58E-07	4.27E-07
3292	477363.09, 3847877.25	3.86E-03	1.22E-06	5.17E-07	2.86E-03	9.03E-07	3.83E-07	1.53E-03	4.82E-07	2.77E-08	1.60E-03	5.04E-07	3.83E-08	5.27E-07	3.94E-07
3293	477863.09, 3847877.25	3.71E-03	1.17E-06	4.97E-07	2.70E-03	8.51E-07	3.61E-07	1.38E-03	4.36E-07	2.51E-08	1.45E-03	4.57E-07	3.47E-08	5.07E-07	3.71E-07
3294	478363.09, 3847877.25	3.52E-03	1.11E-06	4.71E-07	2.52E-03	7.95E-07	3.37E-07	1.25E-03	3.94E-07	2.27E-08	1.32E-03	4.16E-07	3.16E-08	4.80E-07	3.46E-07
3295	478863.09, 3847877.25	3.39E-03	1.07E-06	4.55E-07	2.39E-03	7.56E-07	3.21E-07	1.15E-03	3.63E-07	2.09E-08	1.22E-03	3.84E-07	2.91E-08	4.63E-07	3.29E-07
3296	479363.09, 3847877.25	3.04E-03	9.59E-07	4.07E-07	2.10E-03	6.63E-07	2.81E-07	9.63E-04	3.04E-07	1.75E-08	1.02E-03	3.20E-07	2.43E-08	4.14E-07	2.88E-07
3297	479863.09, 3847877.25	2.60E-03	8.22E-07	3.49E-07	1.75E-03	5.53E-07	2.34E-07	7.49E-04	2.36E-07	1.36E-08	7.87E-04	2.48E-07	1.88E-08	3.54E-07	2.40E-07
3298	480363.09, 3847877.25	2.67E-03	8.42E-07	3.57E-07	1.77E-03	5.60E-07	2.38E-07	7.36E-04	2.32E-07	1.34E-08	7.74E-04	2.44E-07	1.85E-08	3.63E-07	2.43E-07
3299	480863.09, 3847877.25	2.61E-03	8.23E-07	3.49E-07	1.71E-03	5.39E-07	2.29E-07	6.78E-04	2.14E-07	1.23E-08	7.12E-04	2.25E-07	1.70E-08	3.54E-07	2.33E-07
3300	481363.09, 3847877.25	2.67E-03	8.42E-07	3.57E-07	1.72E-03	5.44E-07	2.31E-07	6.60E-04	2.08E-07	1.20E-08	6.92E-04	2.18E-07	1.66E-08	3.62E-07	2.35E-07
3301	481863.09, 3847877.25	2.99E-03	9.42E-07	4.00E-07	1.92E-03	6.05E-07	2.57E-07	7.17E-04	2.26E-07	1.30E-08	7.57E-04	2.39E-07	1.81E-08	4.05E-07	2.62E-07
3302	482363.09, 3847877.25	2.88E-03	9.10E-07	3.86E-07	1.84E-03	5.81E-07	2.47E-07	6.78E-04	2.14E-07	1.23E-08	7.17E-04	2.26E-07	1.72E-08	3.91E-07	2.51E-07
3303	482863.09, 3847877.25	2.76E-03	8.71E-07	3.70E-07	1.75E-03	5.53E-07	2.35E-07	6.34E-04	2.00E-07	1.15E-08	6.69E-04	2.11E-07	1.60E-08	3.74E-07	2.39E-07
3304	483363.09, 3847877.25	2.72E-03	8.58E-07	3.64E-07	1.71E-03	5.41E-07	2.29E-07	6.03E-04	1.90E-07	1.09E-08	6.37E-04	2.01E-07	1.52E-08	3.68E-07	2.34E-07
3305	483863.09, 3847877.25	2.73E-03	8.60E-07	3.65E-07	1.70E-03	5.38E-07	2.28E-07	5.86E-04	1.85E-07	1.06E-08	6.19E-04	1.95E-07	1.48E-08	3.69E-07	2.32E-07
3306	484363.09, 3847877.25	2.73E-03	8.63E-07	3.66E-07	1.70E-03	5.38E-07	2.28E-07	5.80E-04	1.83E-07	1.05E-08	6.12E-04	1.93E-07	1.47E-08	3.70E-07	2.32E-07
3307	484863.09, 3847877.25	2.68E-03	8.47E-07	3.59E-07	1.67E-03	5.27E-07	2.23E-07	5.61E-04	1.77E-07	1.02E-08	5.93E-04	1.87E-07	1.42E-08	3.63E-07	2.27E-07
3308	485363.09, 3847877.25	2.66E-03	8.39E-07	3.56E-07	1.65E-03	5.21E-07	2.21E-07	5.51E-04	1.74E-07	1.00E-08	5.81E-04	1.83E-07	1.39E-08	3.60E-07	2.25E-07
3309	485863.09, 3847877.25	2.63E-03	8.30E-07	3.52E-07	1.63E-03	5.14E-07	2.18E-07	5.40E-04	1.71E-07	9.81E-09	5.70E-04	1.80E-07	1.36E-08	3.56E-07	2.22E-07
3310	486363.09, 3847877.25	2.52E-03	7.97E-07	3.38E-07	1.56E-03	4.92E-07	2.09E-07	5.14E-04	1.62E-07	9.33E-09	5.42E-04	1.71E-07	1.30E-08	3.42E-07	2.13E-07
3311	486863.09, 3847877.25	2.45E-03	7.75E-07	3.29E-07	1.51E-03	4.77E-07	2.03E-07	4.92E-04	1.55E-07	8.93E-09	5.19E-04	1.64E-07	1.24E-08	3.32E-07	2.06E-07
3312	487363.09, 3847877.25	2.43E-03	7.68E-07	3.26E-07	1.49E-03	4.71E-07	2.00E-07	4.75E-04	1.50E-07	8.62E-09	5.01E-04	1.58E-07	1.20E-08	3.29E-07	2.03E-07
3313	487863.09, 3847877.25	2.38E-03	7.51E-07	3.19E-07	1.45E-03	4.58E-07	1.94E-07	4.53E-04	1.43E-07	8.22E-09	4.77E-04	1.50E-07	1.14E-08	3.22E-07	1.97E-07
3314	488363.09, 3847877.25	2.36E-03	7.46E-07	3.16E-07	1.43E-03	4.52E-07	1.92E-07	4.39E-04	1.38E-07	7.96E-09	4.62E-04	1.46E-07	1.11E-08	3.20E-07	1.95E-07
3315	488863.09, 3847877.25	2.36E-03	7.46E-07	3.17E-07	1.43E-03	4.51E-07	1.91E-07	4.29E-04	1.35E-07	7.79E-09	4.52E-04	1.43E-07	1.08E-08	3.20E-07	1.94E-07
3316	489363.09, 3847877.25	2.35E-03	7.42E-07	3.15E-07	1.42E-03	4.47E-07	1.90E-07	4.20E-04	1.33E-07	7.62E-09	4.42E-04	1.40E-07	1.06E-08	3.18E-07	1.92E-07
3317	489863.09, 3847877.25	2.40E-03	7.58E-07	3.22E-07	1.44E-03	4.54E-07	1.93E-07	4.17E-04	1.32E-07	7.56E-09	4.39E-04	1.39E-07	1.05E-08	3.25E-07	1.96E-07
3318	490363.09, 3847877.25	2.37E-03	7.49E-07	3.18E-07	1.42E-03	4.47E-07	1.90E-07	4.04E-04	1.28E-07	7.34E-09	4.28E-04	1.35E-07	1.02E-08	3.21E-07	1.93E-07
3319	490863.09, 3847877.25	2.36E-03	7.44E-07	3.16E-07	1.40E-03	4.42E-07	1.87E-07	3.90E-04	1.23E-07	7.08E-09	4.11E-04	1.30E-07	9.85E-09	3.18E-07	1.90E-07
3320	491363.09, 3847877.25	2.29E-03	7.23E-07	3.07E-07	1.35E-03	4.27E-07	1.81E-07	3.70E-04	1.17E-07	6.71E-09	3.90E-04	1.23E-07	9.35E-09	3.09E-07	1.84E-07
3321	491863.09, 3847877.25	2.29E-03	7.24E-07	3.07E-07	1.35E-03	4.26E-07	1.81E-07	3.62E-04	1.14E-07	6.57E-09	3.82E-04	1.21E-07	9.15E-09	3.10E-07	1.83E-07
3322	492363.09, 3847877.25	2.31E-03	7.30E-07	3.10E-07	1.36E-03	4.28E-07	1.81E-07	3.56E-04	1.12E-07	6.45E-09	3.75E-04	1.18E-07	8.99E-09	3.12E-07	1.84E-07
3323	492863.09, 3847877.25	2.32E-03	7.32E-07	3.10E-07	1.35E-03	4.27E-07	1.81E-07	3.49E-04	1.10E-07	6.34E-09	3.67E-04	1.16E-07	8.80E-09	3.13E-07	1.84E-07
3324	493363.09, 3847877.25	2.29E-03	7.21E-07	3.06E-07	1.33E-03	4.19E-07	1.78E-07	3.34E-04	1.05E-07	6.06E-09	3.51E-04	1.11E-07	8.41E-09	3.08E-07	1.80E-07
3325	493863.09, 3847877.25	2.27E-03	7.17E-07	3.04E-07	1.31E-03	4.15E-07	1.76E-07	3.23E-04	1.02E-07	5.86E-09	3.40E-04	1.07E-07	8.13E-09	3.06E-07	1.78E-07
3326	494363.09, 3847877.25	2.29E-03	7.23E-07	3.07E-07	1.32E-03	4.16E-07	1.76E-07	3.15E-04	9.94E-08	5.72E-09	3.33E-04	1.05E-07	7.98E-09	3.09E-07	1.79E-07

3327	494863.09, 3847877.25	2.33E-03	7.35E-07	3.12E-07	1.33E-03	4.21E-07	1.79E-07	3.12E-04	9.84E-08	5.66E-09	3.30E-04	1.04E-07	7.90E-09	3.14E-07	1.81E-07
3328	495363.09, 3847877.25	2.35E-03	7.40E-07	3.14E-07	1.34E-03	4.22E-07	1.79E-07	3.04E-04	9.59E-08	5.52E-09	3.22E-04	1.01E-07	7.70E-09	3.16E-07	1.81E-07
3329	495863.09, 3847877.25	2.30E-03	7.24E-07	3.07E-07	1.30E-03	4.11E-07	1.74E-07	2.85E-04	9.00E-08	5.18E-09	3.00E-04	9.48E-08	7.19E-09	3.09E-07	1.76E-07
3330	496363.09, 3847877.25	2.45E-03	7.74E-07	3.28E-07	1.39E-03	4.38E-07	1.86E-07	3.01E-04	9.49E-08	5.46E-09	3.18E-04	1.00E-07	7.62E-09	3.31E-07	1.88E-07
3331	496863.09, 3847877.25	2.53E-03	7.98E-07	3.38E-07	1.43E-03	4.50E-07	1.91E-07	3.04E-04	9.59E-08	5.52E-09	3.22E-04	1.01E-07	7.70E-09	3.41E-07	1.93E-07
3332	497363.09, 3847877.25	2.62E-03	8.26E-07	3.50E-07	1.47E-03	4.65E-07	1.97E-07	3.09E-04	9.74E-08	5.60E-09	3.26E-04	1.03E-07	7.82E-09	3.53E-07	1.99E-07
3333	497863.09, 3847877.25	2.80E-03	8.83E-07	3.75E-07	1.57E-03	4.96E-07	2.10E-07	3.23E-04	1.02E-07	5.86E-09	3.43E-04	1.08E-07	8.21E-09	3.77E-07	2.13E-07
3334	498363.09, 3847877.25	2.88E-03	9.10E-07	3.86E-07	1.61E-03	5.09E-07	2.16E-07	3.24E-04	1.02E-07	5.89E-09	3.44E-04	1.09E-07	8.25E-09	3.88E-07	2.18E-07
3335	471363.09, 3848377.25	2.71E-03	8.55E-07	3.63E-07	1.73E-03	5.46E-07	2.31E-07	6.34E-04	2.00E-07	1.15E-08	6.66E-04	2.10E-07	1.60E-08	3.67E-07	2.36E-07
3336	471863.09, 3848377.25	2.89E-03	9.13E-07	3.87E-07	1.88E-03	5.94E-07	2.52E-07	7.35E-04	2.32E-07	1.33E-08	7.70E-04	2.43E-07	1.85E-08	3.92E-07	2.57E-07
3337	472363.09, 3848377.25	3.14E-03	9.90E-07	4.20E-07	2.09E-03	6.60E-07	2.80E-07	8.76E-04	2.76E-07	1.59E-08	9.19E-04	2.90E-07	2.20E-08	4.26E-07	2.86E-07
3338	472863.09, 3848377.25	3.49E-03	1.10E-06	4.68E-07	2.40E-03	7.59E-07	3.22E-07	1.09E-03	3.45E-07	1.98E-08	1.15E-03	3.62E-07	2.75E-08	4.75E-07	3.30E-07
3339	473363.09, 3848377.25	4.11E-03	1.30E-06	5.50E-07	2.95E-03	9.31E-07	3.95E-07	1.47E-03	4.65E-07	2.67E-08	1.55E-03	4.89E-07	3.71E-08	5.60E-07	4.05E-07
3340	473863.09, 3848377.25	5.62E-03	1.77E-06	7.53E-07	4.28E-03	1.35E-06	5.73E-07	2.39E-03	7.55E-07	4.35E-08	2.52E-03	7.94E-07	6.03E-08	7.69E-07	5.90E-07
3341	474363.09, 3848377.25	1.92E-02	6.06E-06	2.57E-06	1.62E-02	5.11E-06	2.17E-06	1.06E-02	3.35E-06	1.93E-07	1.11E-02	3.52E-06	2.67E-07	2.65E-06	2.24E-06
3342	474863.09, 3848377.25	1.39E-02	4.40E-06	1.87E-06	1.23E-02	3.88E-06	1.65E-06	8.55E-03	2.70E-06	1.55E-07	8.98E-03	2.83E-06	2.15E-07	1.93E-06	1.71E-06
3343	475363.09, 3848377.25	8.72E-03	2.75E-06	1.17E-06	7.34E-03	2.32E-06	9.82E-07	4.79E-03	1.51E-06	8.70E-08	5.03E-03	1.59E-06	1.20E-07	1.20E-06	1.02E-06
3344	475863.09, 3848377.25	6.32E-03	1.99E-06	8.46E-07	5.07E-03	1.60E-06	6.79E-07	3.09E-03	9.75E-07	5.61E-08	3.24E-03	1.02E-06	7.77E-08	8.67E-07	7.00E-07
3345	476363.09, 3848377.25	5.20E-03	1.64E-06	6.96E-07	4.03E-03	1.27E-06	5.39E-07	2.32E-03	7.32E-07	4.21E-08	2.44E-03	7.71E-07	5.85E-08	7.12E-07	5.55E-07
3346	476863.09, 3848377.25	5.19E-03	1.64E-06	6.94E-07	3.98E-03	1.26E-06	5.33E-07	2.25E-03	7.11E-07	4.09E-08	2.38E-03	7.51E-07	5.70E-08	7.10E-07	5.49E-07
3347	477363.09, 3848377.25	4.82E-03	1.52E-06	6.45E-07	3.62E-03	1.14E-06	4.85E-07	1.98E-03	6.25E-07	3.60E-08	2.09E-03	6.58E-07	5.00E-08	6.59E-07	4.99E-07
3348	477863.09, 3848377.25	4.56E-03	1.44E-06	6.10E-07	3.37E-03	1.06E-06	4.51E-07	1.79E-03	5.64E-07	3.24E-08	1.87E-03	5.91E-07	4.48E-08	6.23E-07	4.64E-07
3349	478363.09, 3848377.25	4.35E-03	1.37E-06	5.83E-07	3.16E-03	9.96E-07	4.23E-07	1.61E-03	5.07E-07	2.92E-08	1.69E-03	5.33E-07	4.05E-08	5.94E-07	4.34E-07
3350	478863.09, 3848377.25	4.09E-03	1.29E-06	5.48E-07	2.91E-03	9.18E-07	3.89E-07	1.42E-03	4.48E-07	2.58E-08	1.50E-03	4.73E-07	3.59E-08	5.58E-07	4.00E-07
3351	479363.09, 3848377.25	3.67E-03	1.16E-06	4.91E-07	2.55E-03	8.04E-07	3.41E-07	1.18E-03	3.73E-07	2.14E-08	1.25E-03	3.94E-07	2.99E-08	4.99E-07	3.50E-07
3352	479863.09, 3848377.25	2.73E-03	8.61E-07	3.65E-07	1.80E-03	5.70E-07	2.42E-07	7.39E-04	2.33E-07	1.34E-08	7.77E-04	2.45E-07	1.86E-08	3.70E-07	2.47E-07
3353	480363.09, 3848377.25	2.99E-03	9.44E-07	4.01E-07	1.99E-03	6.28E-07	2.67E-07	8.29E-04	2.62E-07	1.50E-08	8.72E-04	2.75E-07	2.09E-08	4.06E-07	2.72E-07
3354	480863.09, 3848377.25	3.33E-03	1.05E-06	4.46E-07	2.21E-03	6.96E-07	2.96E-07	9.05E-04	2.86E-07	1.64E-08	9.52E-04	3.00E-07	2.28E-08	4.53E-07	3.02E-07
3355	481363.09, 3848377.25	3.44E-03	1.09E-06	4.61E-07	2.23E-03	7.05E-07	2.99E-07	8.65E-04	2.73E-07	1.57E-08	9.09E-04	2.87E-07	2.18E-08	4.67E-07	3.05E-07
3356	481863.09, 3848377.25	3.52E-03	1.11E-06	4.71E-07	2.25E-03	7.10E-07	3.01E-07	8.35E-04	2.64E-07	1.52E-08	8.81E-04	2.78E-07	2.11E-08	4.77E-07	3.07E-07
3357	482363.09, 3848377.25	3.44E-03	1.09E-06	4.61E-07	2.19E-03	6.92E-07	2.94E-07	7.99E-04	2.52E-07	1.45E-08	8.46E-04	2.67E-07	2.03E-08	4.67E-07	2.99E-07
3358	482863.09, 3848377.25	3.24E-03	1.02E-06	4.34E-07	2.05E-03	6.48E-07	2.75E-07	7.35E-04	2.32E-07	1.33E-08	7.77E-04	2.45E-07	1.86E-08	4.39E-07	2.80E-07
3359	483363.09, 3848377.25	3.18E-03	1.00E-06	4.26E-07	2.00E-03	6.31E-07	2.68E-07	6.99E-04	2.21E-07	1.27E-08	7.39E-04	2.33E-07	1.77E-08	4.31E-07	2.73E-07
3360	483863.09, 3848377.25	3.09E-03	9.74E-07	4.13E-07	1.92E-03	6.07E-07	2.58E-07	6.55E-04	2.07E-07	1.19E-08	6.92E-04	2.18E-07	1.66E-08	4.18E-07	2.62E-07
3361	484363.09, 3848377.25	3.08E-03	9.72E-07	4.12E-07	1.91E-03	6.03E-07	2.56E-07	6.38E-04	2.01E-07	1.16E-08	6.74E-04	2.13E-07	1.61E-08	4.17E-07	2.60E-07
3362	484863.09, 3848377.25	3.12E-03	9.86E-07	4.18E-07	1.93E-03	6.10E-07	2.59E-07	6.38E-04	2.01E-07	1.16E-08	6.73E-04	2.12E-07	1.61E-08	4.23E-07	2.63E-07
3363	485363.09, 3848377.25	3.05E-03	9.64E-07	4.09E-07	1.88E-03	5.95E-07	2.52E-07	6.16E-04	1.94E-07	1.12E-08	6.50E-04	2.05E-07	1.56E-08	4.13E-07	2.57E-07
3364	485863.09, 3848377.25	2.98E-03	9.40E-07	3.99E-07	1.84E-03	5.79E-07	2.46E-07	5.98E-04	1.89E-07	1.09E-08	6.30E-04	1.99E-07	1.51E-08	4.03E-07	2.50E-07
3365	486363.09, 3848377.25	2.87E-03	9.06E-07	3.85E-07	1.77E-03	5.58E-07	2.37E-07	5.72E-04	1.80E-07	1.04E-08	6.02E-04	1.90E-07	1.44E-08	3.89E-07	2.41E-07
3366	486863.09, 3848377.25	2.78E-03	8.77E-07	3.72E-07	1.70E-03	5.38E-07	2.28E-07	5.44E-04	1.72E-07	9.87E-09	5.73E-04	1.81E-07	1.37E-08	3.76E-07	2.32E-07
3367	487363.09, 3848377.25	2.66E-03	8.39E-07	3.56E-07	1.62E-03	5.12E-07	2.17E-07	5.11E-04	1.61E-07	9.27E-09	5.39E-04	1.70E-07	1.29E-08	3.60E-07	2.21E-07
3368	487863.09, 3848377.25	2.64E-03	8.33E-07	3.53E-07	1.60E-03	5.06E-07	2.15E-07	4.95E-04	1.56E-07	8.99E-09	5.22E-04	1.65E-07	1.25E-08	3.57E-07	2.18E-07
3369	488363.09, 3848377.25	2.63E-03	8.31E-07	3.53E-07	1.59E-03	5.02E-07	2.13E-07	4.79E-04	1.51E-07	8.70E-09	5.06E-04	1.60E-07	1.21E-08	3.56E-07	2.17E-07
3370	488863.09, 3848377.25	2.63E-03	8.30E-07	3.52E-07	1.58E-03	4.99E-07	2.12E-07	4.65E-04	1.47E-07	8.45E-09	4.91E-04	1.55E-07	1.18E-08	3.55E-07	2.15E-07
3371	489363.09, 3848377.25	2.64E-03	8.34E-07	3.54E-07	1.58E-03	4.99E-07	2.12E-07	4.56E-04	1.44E-07	8.27E-09	4.82E-04	1.52E-07	1.15E-08	3.57E-07	2.15E-07
3372	489863.09, 3848377.25	2.68E-03	8.46E-07	3.59E-07	1.60E-03	5.04E-07	2.14E-07	4.53E-04	1.43E-07	8.22E-09	4.78E-04	1.51E-07	1.15E-08	3.62E-07	2.17E-07
3373	490363.09, 3848377.25	2.68E-03	8.45E-07	3.59E-07	1.59E-03	5.01E-07	2.13E-07	4.39E-04	1.38E-07	7.96E-09	4.64E-04	1.46E-07	1.11E-08	3.62E-07	2.16E-07
3374	490863.09, 3848377.25	2.61E-03	8.25E-07	3.50E-07	1.54E-03	4.87E-07	2.06E-07	4.18E-04	1.32E-07	7.59E-09	4.42E-04	1.40E-07	1.06E-08	3.53E-07	2.09E-07
3375	491363.09, 3848377.25	2.58E-03	8.13E-07	3.45E-07	1.51E-03	4.78E-07	2.03E-07	4.01E-04	1.27E-07	7.28E-09	4.23E-04	1.33E-07	1.01E-08	3.48E-07	2.05E-07
3376	491863.09, 3848377.25	2.56E-03	8.08E-07	3.43E-07	1.50E-03	4.72E-07	2.00E-07	3.88E-04	1.23E-07	7.05E-09	4.10E-04	1.29E-07	9.81E-09	3.46E-07	2.03E-07
3377	492363.09, 3848377.25	2.49E-03	7.87E-07	3.34E-07	1.45E-03	4.58E-07	1.94E-07	3.68E-04	1.16E-07	6.68E-09	3.88E-04	1.23E-07	9.31E-09	3.37E-07	1.97E-07
3378	492863.09, 3848377.25	2.43E-03	7.66E-07	3.25E-07	1.41E-03	4.44E-07	1.88E-07	3.48E-04	1.10E-07	6.31E-09	3.67E-04	1.16E-07	8.80E-09	3.27E-07	1.91E-07
3379	493363.09, 3848377.25	2.43E-03	7.66E-07	3.25E-07	1.40E-03	4.41E-07	1.87E-07	3.37E-04	1.06E-07	6.11E-09	3.56E-04	1.12E-07	8.52E-09	3.27E-07	1.90E-07
3380	493863.09, 3848377.25	2.43E-03	7.65E-07	3.25E-07	1.39E-03	4.39E-07	1.86E-07	3.24E-04	1.02E-07	5.89E-09	3.43E-04	1.08E-07	8.21E-09	3.27E-07	1.88E-07
3381	494363.09, 3848377.25	2.43E-03	7.66E-07	3.25E-07	1.39E-03	4.37E-07	1.85E-07	3.15E-04	9.94E-08	5.72E-09	3.33E-04	1.05E-07	7.98E-09	3.27E-07	1.88E-07
3382	494863.09, 3848377.25	2.48E-03	7.83E-07	3.32E-07	1.41E-03	4.45E-07	1.89E-07	3.12E-04	9.84E-08	5.66E-09	3.31E-04	1.05E-07	7.94E-09	3.34E-07	1.91E-07
3383	495363.09, 3848377.25	2.46E-03	7.77E-07	3.30E-07	1.39E-03	4.39E-07	1.86E-07	2.98E-04	9.39E-08	5.40E-09	3.15E-04	9.94E-08	7.55E-09	3.32E-07	1.88E-07
3384	495863.09, 3848377.25	2.48E-03	7.84E-07	3.33E-07	1.40E-03	4.41E-07	1.87E-07	2.91E-04	9.20E-08	5.29E-09	3.10E-04	9.79E-08	7.43E-09	3.35E-07	1.89E-07
3385	496363.09, 3848377.25	2.57E-03	8.12E-07	3.45E-07	1.45E-03	4.56E-07	1.94E-07	2.98E-04	9.39E-08	5.40E-09	3.15E-04	9.94E-08	7.55E-09	3.47E-07	1.96E-07
3386	496863.09, 3848377.25	2.61E-03	8.22E-07	3.49E-07	1.46E-03	4.59E-07	1.95E-07	2.90E-04	9.15E-08	5.26E-09	3.09E-04	9.74E-08	7.39E-09	3.51E-07	1.97E-07
3387	497363.09, 3848377.25	2.74E-03	8.66E-07	3.67E-07	1.53E-03	4.83E-07	2.05E-07	3.01E-04	9.49E-08	5.46E-09	3.20E-04	1.01E-07	7.66E-09	3.70E-07	2.07E-07
3388	497863.09, 3848377.25	3.08E-03	9.71E-07	4.12E-07	1.71E-03	5.41E-07	2.29E-07	3.35E-04	1.06E-07	6.09E-09	3.56E-04	1.12E-07	8.52E-09	4.14E-07	2.32E-07
3389	498363.09, 3848377.25	3.13E-03	9.88E-07	4.19E-07	1.74E-03	5.49E-07	2.33E-07	3.34E-04	1.05E-07	6.06E-09	3.54E-04	1.12E-07	8.49E-09	4.21E-07	2.35E-07
3390	471363.09, 3848877.25	2.67E-03	8.41E-07	3.57E-07	1.66E-03	5.23E-07	2.22E-07	5.56E-04	1.76E-07	1.01E-08	5.84E-04	1.84E-07	1.40E-08	3.61E-07	2.26E-07
3391	471863.09, 3848877.25	2.81E-03	8.88E-07	3.77E-07	1.77E-03	5.58E-07	2.37E-07	6.19E-04	1.95E-07	1.12E-08	6.50E-04	2.05E-07	1.56E-08	3.81E-07	2.41E-07
3392	472363.09, 3848877.25	3.00E-03	9.47E-07	4.02E-07	1.91E-03	6.04E-07	2.56E-07	7.02E-04	2.21E-07	1.27E-08	7.36E-04	2.32E-07	1.76E-08	4.07E-07	2.61E-07
3393	472863.09, 3848877.25	3.25E-03	1.03E-06	4.36E-07	2.12E-03	6.68E-07	2.83E-07	8.26E-04	2.61E-07	1.50E-08	8.65E-04	2.73E-07	2.07E-08	4.41E-07	2.89E-07
3394	473363.09, 3848877.25	3.61E-03	1.14E-06	4.83E-07	2.41E-03	7.60E-07	3.22E-07	1.01E-03	3.18E-07	1.83E-08	1.06E-03	3.34E-07	2.54E-08	4.90E-07	3.29E-07
3395	473863.09, 3848877.25	4.26E-03	1.35E-06	5.71E-07	2.94E-03	9.27E-07	3.93E-07	1.34E-03	4.22E-07	2.43E-08	1.41E-03	4.44E-07	3.37E-08	5.81E-07	4.03E-07
3396	474363.09, 3848877.25	5.78E-03	1.82E-06	7.74E-07	4.15E-03	1.31E-06	5.56E-07	2.07E-03	6.55E-07	3.76E-08	2.18E-03	6.89E-07	5.23E-08	7.88E-07	5.71E-07
3397	474863.09, 3848877.25	1.55E-02	4.90E-06	2.08E-06	1.19E-02	3.75E-06	1.59E-06	6.69E-03	2.11E-06	1.22E-07	7.04E-03	2.22E-06	1.69E-07	2.13E-06	1.64E-06
3398	475363.09, 3848877.25	2.55E-02	8.06E-06	3.42E-06	2.17E-02	6.86E-06	2.91E-06	1.44E-02	4.55E-06	2.62E-07	1.51E-02	4.78E-06	3.63E-07	3.52E-06	3.01E-06
3399	475863.09, 3848877.25	1.36E-02	4.29E-06	1.82E-06	1.12E-02	3.52E-06	1.49E-06	7.04E-03	2.22E-06	1.28E-07	7.40E-03	2.33E-06	1.77E-07	1.87E-06	1.54E-06
3400	476363.09, 3848877.25	1.01E-02	3.19E-06	1.35E-06	8.10E-03	2.56E-06	1.08E-06	4.93E-03	1.56E-06	8.96E-08	5.18E-03	1.64E-06	1.24E-07	1.39E-06	1.12E-06
3401	476863.09, 3848877.25	8.18E-03	2.58E-06	1.09E-06	6.40E-03	2.02E-06	8.57E-07	3.75E-03	1.18E-06	6.80E-08	3.94E-03	1.24E-06	9.44E-08	1.12E-06	8.83E-07
3402	477363.09, 3848877.25	7.54E-03	2.38E-06	1.01E-06	5.86E-03	1.85E-06	7.84E-07	3.39E-03	1.07E-06	6.15E-08	3.57E-03	1.13E-06	8.56E-08	1.03E-06	8.08E-07
3403	477863.09, 3848877.25	6.57E-03	2.07E-06	8.79E-07	4.98E-03	1.57E-06	6.67E-07	2.76E-03	8.73E-07	5.02E-08	2.91E-03	9.18E-07	6.97E-08	8.99E-07	6.86E-07
3404	478363.09, 3848877.25	5.96E-03	1.88E-06	7.98E-07	4.41E-03	1.39E-06	5.91E-07	2.34E-03	7.38E-07	4.25E-08	2.45E-03	7.73E-07	5.87E-08	8.14E-07	6.07E-07
3405	478863.09, 3848877.25	5.46E-03	1.72E-06	7.32E-07	3.92E-03	1.24E-06	5.25E-07	1.96E-03	6.18E-07	3.55E-08	2.06E-03	6.50E-07	4.93E-08	7.46E-07	5.39E-07
3406	479363.09, 3848877.25	4.91E-03	1.55E-06	6.58E-07	3.43E-03	1.08E-06	4.59E-07	1.61E-03	5.08E-07	2.92E-08	1.70E-03	5.36E-07	4.07E-08	6.70E-07	4.71E-07
3407	479863.09, 3848877.25	4.42E-03	1.40E-06	5.92E-07	3.01E-03	9.52E-07	4.04E-07	1.34E-03	4.22E-07	2.43E-08	1.41E-03	4.45E-07	3.38E-08	6.02E-07	4.13E-07
3408	480363.09, 3848877.25	4.36E-03	1.37E-06	5.83E-07	2.93E-03	9.24E-07	3.92E-07	1.25E-03	3.94E-07	2.27E-08	1.32E-03	4.15E-07	3.15E-08	5.92E-07	4.01E-07
3409	480863.09, 3848877.25	4.39E-03	1.39E-06	5.88E-07	2.90E-03	9.14E-07	3.88E-07	1.18E-03	3.71E-07	2.14E-08	1.24E-03	3.90E-07	2.96E-08	5.96E-07	3.96E-07
3410	481363.09, 3848877.25	4.38E-03	1.38E-06	5.87E-07	2.83E-03	8.93E-07	3.79E-07	1.08E-03	3.40E-07	1.96E-08	1.13E-03	3.58E-07	2.71E-08	5.95E-07	3.86E-07
3411	481863.09, 3848877.25	4.22E-03	1.33E-06	5.66E-07	2.68E-03	8.45E-07	3.59E-07	9.63E-04	3.04E-07	1.75E-08	1.02E-03	3.20E-07	2.43E-08	5.72E-07	3.65E-07
3412	482363.09, 3848877.25	3.83E-03	1.21E-06	5.12E-07	2.41E-03	7.62E-07	3.23E-07	8.54E-04	2.69E-07	1.55E-08	9.01E-04	2.84E-07	2.16E-08	5.19E-07	3.29E-07
3413	482863.09, 3848877.25	3.53E-03	1.11E-06	4.73E-07	2.21E-03	6.99E-07	2.97E-07	7.69E-04	2.43E-07	1.40E-08	8.11E-04	2.56E-07	1.94E-08	4.78E-07	3.02E-07
3414	483363.09, 3848877.25	3.35E-03	1.06E-06	4.49E-07	2.09E-03	6.59E-07	2.80E-07	7.05E-04	2.22E-07	1.28E-08	7.44E-04	2.35E-07	1.78E-08	4.54E-07	2.85E-07
3415	483863.09, 3848877.25	3.25E-03	1.03E-06	4.35E-07	2.02E-03	6.37E-07	2.70E-07	6.75E-04	2.13E-07	1.23E-08	7.12E-04	2.25E-07	1.70E-08	4.40E-07	2.75E-07
3416	484363.09, 3848877.25	3.46E-03	1.09E-06	4.63E-07	2.13E-03	6.73E-07	2.86E-07	6.99E-04	2.21E-07	1.27E-08	7.38E-04	2.33E-07	1.77E-08	4.68E-07	2.91E-07

3417	484863.09, 3848877.25	3.60E-03	1.14E-06	4.82E-07	2.21E-03	6.99E-07	2.96E-07	7.13E-04	2.25E-07	1.29E-08	7.54E-04	2.38E-07	1.81E-08	4.87E-07	3.02E-07
3418	485363.09, 3848877.25	3.50E-03	1.10E-06	4.69E-07	2.15E-03	6.77E-07	2.87E-07	6.85E-04	2.16E-07	1.24E-08	7.23E-04	2.28E-07	1.73E-08	4.74E-07	2.92E-07
3419	485863.09, 3848877.25	3.40E-03	1.07E-06	4.55E-07	2.08E-03	6.56E-07	2.78E-07	6.58E-04	2.08E-07	1.19E-08	6.95E-04	2.19E-07	1.67E-08	4.60E-07	2.83E-07
3420	486363.09, 3848877.25	3.22E-03	1.02E-06	4.31E-07	1.97E-03	6.21E-07	2.64E-07	6.20E-04	1.96E-07	1.13E-08	6.55E-04	2.07E-07	1.57E-08	4.36E-07	2.68E-07
3421	486863.09, 3848877.25	3.05E-03	9.62E-07	4.08E-07	1.86E-03	5.87E-07	2.49E-07	5.81E-04	1.83E-07	1.05E-08	6.14E-04	1.94E-07	1.47E-08	4.12E-07	2.53E-07
3422	487363.09, 3848877.25	3.03E-03	9.56E-07	4.06E-07	1.84E-03	5.80E-07	2.46E-07	5.66E-04	1.78E-07	1.03E-08	5.97E-04	1.89E-07	1.43E-08	4.10E-07	2.50E-07
3423	487863.09, 3848877.25	2.96E-03	9.34E-07	3.96E-07	1.79E-03	5.65E-07	2.40E-07	5.42E-04	1.71E-07	9.84E-09	5.71E-04	1.80E-07	1.37E-08	4.00E-07	2.44E-07
3424	488363.09, 3848877.25	2.95E-03	9.31E-07	3.95E-07	1.77E-03	5.60E-07	2.38E-07	5.23E-04	1.65E-07	9.50E-09	5.53E-04	1.75E-07	1.33E-08	3.99E-07	2.41E-07
3425	488863.09, 3848877.25	2.93E-03	9.23E-07	3.92E-07	1.75E-03	5.52E-07	2.34E-07	5.04E-04	1.59E-07	9.16E-09	5.34E-04	1.68E-07	1.28E-08	3.95E-07	2.38E-07
3426	489363.09, 3848877.25	2.93E-03	9.23E-07	3.92E-07	1.74E-03	5.50E-07	2.33E-07	4.93E-04	1.56E-07	8.96E-09	5.22E-04	1.65E-07	1.25E-08	3.95E-07	2.37E-07
3427	489863.09, 3848877.25	2.96E-03	9.33E-07	3.96E-07	1.75E-03	5.53E-07	2.34E-07	4.84E-04	1.53E-07	8.79E-09	5.13E-04	1.62E-07	1.23E-08	3.99E-07	2.38E-07
3428	490363.09, 3848877.25	2.91E-03	9.19E-07	3.90E-07	1.72E-03	5.41E-07	2.30E-07	4.61E-04	1.45E-07	8.36E-09	4.88E-04	1.54E-07	1.17E-08	3.93E-07	2.33E-07
3429	490863.09, 3848877.25	2.86E-03	9.02E-07	3.83E-07	1.67E-03	5.29E-07	2.24E-07	4.39E-04	1.38E-07	7.96E-09	4.64E-04	1.46E-07	1.11E-08	3.86E-07	2.27E-07
3430	491363.09, 3848877.25	2.82E-03	8.91E-07	3.78E-07	1.65E-03	5.19E-07	2.20E-07	4.21E-04	1.33E-07	7.65E-09	4.46E-04	1.41E-07	1.07E-08	3.81E-07	2.23E-07
3431	491863.09, 3848877.25	2.74E-03	8.63E-07	3.66E-07	1.59E-03	5.01E-07	2.13E-07	3.96E-04	1.25E-07	7.19E-09	4.19E-04	1.32E-07	1.00E-08	3.69E-07	2.15E-07
3432	492363.09, 3848877.25	2.65E-03	8.37E-07	3.55E-07	1.53E-03	4.83E-07	2.05E-07	3.73E-04	1.18E-07	6.77E-09	3.95E-04	1.25E-07	9.46E-09	3.58E-07	2.08E-07
3433	492863.09, 3848877.25	2.58E-03	8.14E-07	3.45E-07	1.48E-03	4.67E-07	1.98E-07	3.48E-04	1.10E-07	6.31E-09	3.67E-04	1.16E-07	8.80E-09	3.48E-07	2.01E-07
3434	493363.09, 3848877.25	2.51E-03	7.92E-07	3.36E-07	1.43E-03	4.51E-07	1.92E-07	3.24E-04	1.02E-07	5.89E-09	3.43E-04	1.08E-07	8.21E-09	3.38E-07	1.94E-07
3435	493863.09, 3848877.25	2.56E-03	8.08E-07	3.43E-07	1.45E-03	4.59E-07	1.95E-07	3.21E-04	1.01E-07	5.83E-09	3.40E-04	1.07E-07	8.13E-09	3.45E-07	1.97E-07
3436	494363.09, 3848877.25	2.59E-03	8.18E-07	3.47E-07	1.46E-03	4.62E-07	1.96E-07	3.13E-04	9.89E-08	5.69E-09	3.31E-04	1.05E-07	7.94E-09	3.49E-07	1.98E-07
3437	494863.09, 3848877.25	2.65E-03	8.36E-07	3.55E-07	1.49E-03	4.71E-07	2.00E-07	3.13E-04	9.89E-08	5.69E-09	3.33E-04	1.05E-07	7.98E-09	3.57E-07	2.02E-07
3438	495363.09, 3848877.25	2.71E-03	8.57E-07	3.63E-07	1.52E-03	4.80E-07	2.04E-07	3.10E-04	9.79E-08	5.63E-09	3.30E-04	1.04E-07	7.90E-09	3.66E-07	2.06E-07
3439	495863.09, 3848877.25	2.68E-03	8.46E-07	3.59E-07	1.49E-03	4.72E-07	2.00E-07	2.95E-04	9.30E-08	5.35E-09	3.12E-04	9.84E-08	7.47E-09	3.61E-07	2.02E-07
3440	496363.09, 3848877.25	2.73E-03	8.62E-07	3.66E-07	1.52E-03	4.79E-07	2.03E-07	2.91E-04	9.20E-08	5.29E-09	3.10E-04	9.79E-08	7.43E-09	3.68E-07	2.05E-07
3441	496863.09, 3848877.25	2.87E-03	9.06E-07	3.84E-07	1.59E-03	5.03E-07	2.13E-07	3.02E-04	9.54E-08	5.49E-09	3.22E-04	1.01E-07	7.70E-09	3.87E-07	2.15E-07
3442	497363.09, 3848877.25	3.14E-03	9.91E-07	4.20E-07	1.74E-03	5.50E-07	2.33E-07	3.31E-04	1.04E-07	6.00E-09	3.51E-04	1.11E-07	8.41E-09	4.23E-07	2.36E-07
3443	497863.09, 3848877.25	3.30E-03	1.04E-06	4.42E-07	1.83E-03	5.76E-07	2.44E-07	3.38E-04	1.07E-07	6.14E-09	3.61E-04	1.14E-07	8.64E-09	4.45E-07	2.47E-07
3444	498363.09, 3848877.25	3.42E-03	1.08E-06	4.58E-07	1.89E-03	5.95E-07	2.52E-07	3.43E-04	1.08E-07	6.23E-09	3.66E-04	1.15E-07	8.76E-09	4.60E-07	2.55E-07
3445	471363.09, 3849377.25	2.63E-03	8.32E-07	3.53E-07	1.60E-03	5.04E-07	2.14E-07	4.87E-04	1.54E-07	8.84E-09	5.13E-04	1.62E-07	1.23E-08	3.56E-07	2.17E-07
3446	471863.09, 3849377.25	2.77E-03	8.74E-07	3.71E-07	1.70E-03	5.35E-07	2.27E-07	5.39E-04	1.70E-07	9.78E-09	5.68E-04	1.79E-07	1.36E-08	3.75E-07	2.31E-07
3447	472363.09, 3849377.25	2.93E-03	9.23E-07	3.92E-07	1.81E-03	5.71E-07	2.42E-07	5.98E-04	1.89E-07	1.09E-08	6.30E-04	1.99E-07	1.51E-08	3.96E-07	2.47E-07
3448	472863.09, 3849377.25	3.12E-03	9.84E-07	4.18E-07	1.95E-03	6.17E-07	2.62E-07	6.75E-04	2.13E-07	1.23E-08	7.08E-04	2.24E-07	1.70E-08	4.22E-07	2.66E-07
3449	473363.09, 3849377.25	3.39E-03	1.07E-06	4.53E-07	2.16E-03	6.81E-07	2.89E-07	7.90E-04	2.49E-07	1.43E-08	8.28E-04	2.61E-07	1.98E-08	4.59E-07	2.94E-07
3450	473863.09, 3849377.25	3.75E-03	1.18E-06	5.02E-07	2.44E-03	7.71E-07	3.27E-07	9.57E-04	3.02E-07	1.74E-08	1.00E-03	3.17E-07	2.40E-08	5.09E-07	3.34E-07
3451	474363.09, 3849377.25	4.29E-03	1.35E-06	5.75E-07	2.87E-03	9.06E-07	3.85E-07	1.21E-03	3.83E-07	2.20E-08	1.28E-03	4.03E-07	3.06E-08	5.83E-07	3.93E-07
3452	474863.09, 3849377.25	5.23E-03	1.65E-06	7.00E-07	3.63E-03	1.14E-06	4.86E-07	1.68E-03	5.30E-07	3.05E-08	1.77E-03	5.58E-07	4.23E-08	7.12E-07	4.98E-07
3453	475363.09, 3849377.25	7.34E-03	2.32E-06	9.82E-07	5.34E-03	1.68E-06	7.15E-07	2.74E-03	8.64E-07	4.97E-08	2.88E-03	9.09E-07	6.90E-08	1.00E-06	7.34E-07
3454	475863.09, 3849377.25	1.25E-02	3.94E-06	1.67E-06	9.13E-03	2.88E-06	1.22E-06	4.73E-03	1.49E-06	8.59E-08	4.97E-03	1.57E-06	1.19E-07	1.70E-06	1.26E-06
3455	476363.09, 3849377.25	2.60E-02	8.20E-06	3.48E-06	1.93E-02	6.10E-06	2.59E-06	1.03E-02	3.27E-06	1.88E-07	1.08E-02	3.42E-06	2.60E-07	3.55E-06	2.66E-06
3456	476863.09, 3849377.25	5.57E-02	1.76E-05	7.45E-06	4.56E-02	1.44E-05	6.10E-06	2.86E-02	9.04E-06	5.20E-07	3.02E-02	9.53E-06	7.23E-07	7.66E-06	6.31E-06
3457	477363.09, 3849377.25	1.81E-02	5.72E-06	2.43E-06	1.41E-02	4.46E-06	1.89E-06	8.23E-03	2.60E-06	1.49E-07	8.64E-03	2.73E-06	2.07E-07	2.48E-06	1.95E-06
3458	477863.09, 3849377.25	1.18E-02	3.73E-06	1.58E-06	8.94E-03	2.82E-06	1.20E-06	4.94E-03	1.56E-06	8.96E-08	5.19E-03	1.64E-06	1.24E-07	1.62E-06	1.23E-06
3459	478363.09, 3849377.25	9.54E-03	3.01E-06	1.28E-06	6.99E-03	2.21E-06	9.36E-07	3.64E-03	1.15E-06	6.60E-08	3.82E-03	1.20E-06	9.15E-08	1.30E-06	9.62E-07
3460	478863.09, 3849377.25	8.25E-03	2.60E-06	1.10E-06	5.79E-03	1.83E-06	7.75E-07	2.75E-03	8.67E-07	4.99E-08	2.88E-03	9.09E-07	6.90E-08	1.12E-06	7.94E-07
3461	479363.09, 3849377.25	7.44E-03	2.35E-06	9.96E-07	5.07E-03	1.60E-06	6.79E-07	2.25E-03	7.09E-07	4.08E-08	2.36E-03	7.45E-07	5.65E-08	1.01E-06	6.95E-07
3462	479863.09, 3849377.25	6.38E-03	2.01E-06	8.54E-07	4.24E-03	1.34E-06	5.68E-07	1.77E-03	5.57E-07	3.20E-08	1.86E-03	5.88E-07	4.46E-08	8.67E-07	5.81E-07
3463	480363.09, 3849377.25	6.28E-03	1.98E-06	8.41E-07	4.14E-03	1.31E-06	5.54E-07	1.67E-03	5.28E-07	3.04E-08	1.76E-03	5.56E-07	4.22E-08	8.53E-07	5.66E-07
3464	480863.09, 3849377.25	5.80E-03	1.83E-06	7.77E-07	3.77E-03	1.19E-06	5.05E-07	1.47E-03	4.64E-07	2.67E-08	1.55E-03	4.89E-07	3.71E-08	7.87E-07	5.16E-07
3465	481363.09, 3849377.25	5.35E-03	1.69E-06	7.17E-07	3.42E-03	1.08E-06	4.58E-07	1.26E-03	3.98E-07	2.29E-08	1.32E-03	4.17E-07	3.16E-08	7.26E-07	4.67E-07
3466	481863.09, 3849377.25	4.72E-03	1.49E-06	6.32E-07	2.96E-03	9.36E-07	3.97E-07	1.03E-03	3.26E-07	1.87E-08	1.09E-03	3.43E-07	2.60E-08	6.40E-07	4.04E-07
3467	482363.09, 3849377.25	4.32E-03	1.36E-06	5.79E-07	2.70E-03	8.52E-07	3.61E-07	9.21E-04	2.91E-07	1.67E-08	9.70E-04	3.06E-07	2.32E-08	5.85E-07	3.68E-07
3468	482863.09, 3849377.25	3.90E-03	1.23E-06	5.22E-07	2.42E-03	7.64E-07	3.24E-07	8.11E-04	2.56E-07	1.47E-08	8.55E-04	2.70E-07	2.05E-08	5.28E-07	3.30E-07
3469	483363.09, 3849377.25	3.64E-03	1.15E-06	4.87E-07	2.25E-03	7.11E-07	3.02E-07	7.46E-04	2.35E-07	1.35E-08	7.87E-04	2.48E-07	1.88E-08	4.93E-07	3.07E-07
3470	483863.09, 3849377.25	3.34E-03	1.05E-06	4.47E-07	2.06E-03	6.49E-07	2.75E-07	6.69E-04	2.11E-07	1.21E-08	7.05E-04	2.23E-07	1.69E-08	4.52E-07	2.80E-07
3471	484363.09, 3849377.25	3.88E-03	1.22E-06	5.19E-07	2.38E-03	7.51E-07	3.19E-07	7.61E-04	2.40E-07	1.38E-08	8.05E-04	2.54E-07	1.93E-08	5.25E-07	3.24E-07
3472	484863.09, 3849377.25	4.14E-03	1.31E-06	5.54E-07	2.52E-03	7.96E-07	3.38E-07	7.88E-04	2.49E-07	1.43E-08	8.34E-04	2.63E-07	2.00E-08	5.60E-07	3.43E-07
3473	485363.09, 3849377.25	4.03E-03	1.27E-06	5.40E-07	2.45E-03	7.73E-07	3.28E-07	7.55E-04	2.38E-07	1.37E-08	8.00E-04	2.52E-07	1.92E-08	5.45E-07	3.33E-07
3474	485863.09, 3849377.25	3.56E-03	1.12E-06	4.77E-07	2.16E-03	6.83E-07	2.90E-07	6.69E-04	2.11E-07	1.21E-08	7.07E-04	2.23E-07	1.69E-08	4.82E-07	2.95E-07
3475	486363.09, 3849377.25	3.21E-03	1.01E-06	4.30E-07	1.95E-03	6.15E-07	2.61E-07	5.98E-04	1.89E-07	1.09E-08	6.32E-04	1.99E-07	1.51E-08	4.34E-07	2.65E-07
3476	486863.09, 3849377.25	3.38E-03	1.07E-06	4.52E-07	2.05E-03	6.46E-07	2.74E-07	6.23E-04	1.97E-07	1.13E-08	6.58E-04	2.08E-07	1.58E-08	4.56E-07	2.78E-07
3477	487363.09, 3849377.25	3.39E-03	1.07E-06	4.54E-07	2.04E-03	6.45E-07	2.74E-07	6.11E-04	1.93E-07	1.11E-08	6.45E-04	2.03E-07	1.54E-08	4.58E-07	2.78E-07
3478	487863.09, 3849377.25	3.34E-03	1.06E-06	4.48E-07	2.01E-03	6.33E-07	2.69E-07	5.86E-04	1.85E-07	1.06E-08	6.19E-04	1.95E-07	1.48E-08	4.52E-07	2.73E-07
3479	488363.09, 3849377.25	3.31E-03	1.05E-06	4.44E-07	1.98E-03	6.24E-07	2.65E-07	5.62E-04	1.77E-07	1.02E-08	5.96E-04	1.88E-07	1.43E-08	4.48E-07	2.69E-07
3480	488863.09, 3849377.25	3.29E-03	1.04E-06	4.41E-07	1.95E-03	6.17E-07	2.62E-07	5.45E-04	1.72E-07	9.90E-09	5.78E-04	1.82E-07	1.38E-08	4.45E-07	2.66E-07
3481	489363.09, 3849377.25	3.29E-03	1.04E-06	4.40E-07	1.94E-03	6.13E-07	2.60E-07	5.29E-04	1.67E-07	9.61E-09	5.60E-04	1.77E-07	1.34E-08	4.44E-07	2.64E-07
3482	489863.09, 3849377.25	3.25E-03	1.03E-06	4.35E-07	1.91E-03	6.03E-07	2.56E-07	5.09E-04	1.61E-07	9.24E-09	5.39E-04	1.70E-07	1.29E-08	4.39E-07	2.59E-07
3483	490363.09, 3849377.25	3.19E-03	1.01E-06	4.27E-07	1.86E-03	5.88E-07	2.49E-07	4.81E-04	1.52E-07	8.73E-09	5.09E-04	1.61E-07	1.22E-08	4.30E-07	2.53E-07
3484	490863.09, 3849377.25	3.15E-03	9.93E-07	4.21E-07	1.83E-03	5.77E-07	2.45E-07	4.59E-04	1.45E-07	8.33E-09	4.86E-04	1.54E-07	1.17E-08	4.24E-07	2.48E-07
3485	491363.09, 3849377.25	3.11E-03	9.81E-07	4.16E-07	1.80E-03	5.67E-07	2.41E-07	4.40E-04	1.39E-07	7.99E-09	4.65E-04	1.47E-07	1.11E-08	4.19E-07	2.44E-07
3486	491863.09, 3849377.25	2.99E-03	9.44E-07	4.00E-07	1.72E-03	5.43E-07	2.30E-07	4.12E-04	1.30E-07	7.48E-09	4.36E-04	1.38E-07	1.04E-08	4.03E-07	2.33E-07
3487	492363.09, 3849377.25	2.90E-03	9.16E-07	3.89E-07	1.66E-03	5.25E-07	2.23E-07	3.87E-04	1.22E-07	7.02E-09	4.10E-04	1.29E-07	9.81E-09	3.92E-07	2.25E-07
3488	492863.09, 3849377.25	2.79E-03	8.82E-07	3.74E-07	1.59E-03	5.01E-07	2.13E-07	3.54E-04	1.12E-07	6.43E-09	3.75E-04	1.18E-07	8.99E-09	3.77E-07	2.15E-07
3489	493363.09, 3849377.25	2.76E-03	8.71E-07	3.70E-07	1.56E-03	4.93E-07	2.09E-07	3.38E-04	1.07E-07	6.14E-09	3.57E-04	1.13E-07	8.56E-09	3.72E-07	2.12E-07
3490	493863.09, 3849377.25	2.79E-03	8.80E-07	3.74E-07	1.57E-03	4.95E-07	2.10E-07	3.27E-04	1.03E-07	5.94E-09	3.48E-04	1.10E-07	8.33E-09	3.76E-07	2.12E-07
3491	494363.09, 3849377.25	2.86E-03	9.02E-07	3.83E-07	1.60E-03	5.05E-07	2.14E-07	3.26E-04	1.03E-07	5.91E-09	3.46E-04	1.09E-07	8.29E-09	3.85E-07	2.17E-07
3492	494863.09, 3849377.25	3.04E-03	9.60E-07	4.07E-07	1.70E-03	5.36E-07	2.28E-07	3.40E-04	1.07E-07	6.17E-09	3.62E-04	1.14E-07	8.68E-09	4.10E-07	2.30E-07
3493	495363.09, 3849377.25	3.11E-03	9.82E-07	4.17E-07	1.73E-03	5.47E-07	2.32E-07	3.40E-04	1.07E-07	6.17E-09	3.62E-04	1.14E-07	8.68E-09	4.19E-07	2.35E-07
3494	495863.09, 3849377.25	2.92E-03	9.22E-07	3.91E-07	1.62E-03	5.10E-07	2.16E-07	2.99E-04	9.44E-08	5.43E-09	3.18E-04	1.00E-07	7.62E-09	3.93E-07	2.18E-07
3495	496363.09, 3849377.25	2.92E-03	9.23E-07	3.92E-07	1.61E-03	5.08E-07	2.16E-07	2.90E-04	9.15E-08	5.26E-09	3.09E-04	9.74E-08	7.39E-09	3.94E-07	2.18E-07
3496	496863.09, 3849377.25	3.27E-03	1.03E-06	4.38E-07	1.80E-03	5.69E-07	2.41E-07	3.26E-04	1.03E-07	5.91E-09	3.49E-04	1.10E-07	8.37E-09	4.41E-07	2.44E-07
3497	497363.09, 3849377.25	3.39E-03	1.07E-06	4.54E-07	1.86E-03	5.89E-07	2.50E-07	3.32E-04	1.05E-07	6.03E-09	3.56E-04	1.12E-07	8.52E-09	4.57E-07	2.52E-07
3498	497863.09, 3849377.25	3.82E-03	1.20E-06	5.11E-07	2.09E-03	6.61E-07	2.80E-07	3.65E-04	1.15E-07	6.63E-09	3.92E-04	1.24E-07	9.38E-09	5.14E-07	2.83E-07
3499	498363.09, 3849377.25	3.78E-03	1.19E-06	5.06E-07	2.07E-03	6.52E-07	2.77E-07	3.52E-04	1.11E-07	6.40E-09	3.79E-04	1.20E-07	9.07E-09	5.08E-07	2.79E-07
3500	471363.09, 3849877.25	2.58E-03	8.15E-07	3.46E-07	1.52E-03	4.80E-07	2.04E-07	4.10E-04	1.30E-07	7.45E-09	4.34E-04	1.37E-07	1.04E-08	3.49E-07	2.07E-07
3501	471863.09, 3849877.25	2.78E-03	8.77E-07	3.72E-07	1.66E-03	5.25E-07	2.23E-07	4.81E-04	1.52E-07	8.73E-09	5.08E-04	1.60E-07	1.22E-08	3.76E-07	2.26E-07
3502	472363.09, 3849877.25	2.93E-03	9.24E-07	3.92E-07	1.77E-03	5.59E-07	2.37E-07	5.34E-04	1.69E-07	9.70E-09	5.63E-04	1.78E-07	1.35E-08	3.96E-07	2.41E-07
3503	472863.09, 3849877.25	3.05E-03	9.62E-07	4.08E-07	1.86E-03	5.88E-07	2.49E-07	5.86E-04	1.85E-07	1.06E-08	6.17E-04	1.95E-07	1.48E-08	4.12E-07	2.53E-07
3504	473363.09, 3849877.25	3.22E-03	1.02E-06	4.31E-07	1.99E-03	6.28E-07	2.66E-07	6.55E-04	2.07E-07	1.19E-08	6.89E-04	2.17E-07	1.65E-08	4.35E-07	2.71E-07
3505	473863.09, 3849877.25	3.41E-03	1.08E-06	4.57E-07	2.14E-03	6.76E-07	2.87E-07	7.44E-04	2.35E-07	1.35E-08	7.83E-04	2.47E-07	1.88E-08	4.62E-07	2.92E-07
3506	474363.09, 3849877.25	3.65E-03	1.15E-06	4.88E-07	2.33E-03	7.37E-07	3.12E-07	8.65E-04	2.73E-07	1.57E-08	9.08E-04	2.86E-07	2.17E-08	4.94E-07	3.19E-07

3507	474863.09, 3849877.25	3.93E-03	1.24E-06	5.26E-07	2.57E-03	8.10E-07	3.44E-07	1.01E-03	3.20E-07	1.84E-08	1.06E-03	3.36E-07	2.55E-08	5.34E-07	3.51E-07
3508	475363.09, 3849877.25	4.33E-03	1.37E-06	5.80E-07	2.89E-03	9.13E-07	3.87E-07	1.21E-03	3.83E-07	2.20E-08	1.28E-03	4.04E-07	3.07E-08	5.89E-07	3.96E-07
3509	475863.09, 3849877.25	5.11E-03	1.61E-06	6.84E-07	3.44E-03	1.09E-06	4.61E-07	1.48E-03	4.68E-07	2.69E-08	1.57E-03	4.94E-07	3.75E-08	6.95E-07	4.72E-07
3510	476363.09, 3849877.25	6.22E-03	1.96E-06	8.33E-07	4.25E-03	1.34E-06	5.69E-07	1.89E-03	5.97E-07	3.44E-08	2.00E-03	6.30E-07	4.78E-08	8.47E-07	5.83E-07
3511	476863.09, 3849877.25	8.44E-03	2.66E-06	1.13E-06	5.92E-03	1.87E-06	7.93E-07	2.81E-03	8.87E-07	5.10E-08	2.96E-03	9.33E-07	7.08E-08	1.15E-06	8.13E-07
3512	477363.09, 3849877.25	1.77E-02	5.60E-06	2.38E-06	1.29E-02	4.08E-06	1.73E-06	6.64E-03	2.09E-06	1.20E-07	7.00E-03	2.21E-06	1.68E-07	2.42E-06	1.78E-06
3513	477863.09, 3849877.25	8.16E-02	2.58E-05	1.09E-05	6.04E-02	1.91E-05	8.08E-06	3.20E-02	1.01E-05	5.81E-07	3.31E-02	1.04E-05	7.93E-07	1.11E-05	8.30E-06
3514	478363.09, 3849877.25	2.56E-02	8.07E-06	3.42E-06	1.81E-02	5.71E-06	2.42E-06	8.72E-03	2.75E-06	1.58E-07	9.12E-03	2.88E-06	2.19E-07	3.48E-06	2.48E-06
3515	478863.09, 3849877.25	1.64E-02	5.17E-06	2.20E-06	1.14E-02	3.59E-06	1.52E-06	5.24E-03	1.65E-06	9.51E-08	5.48E-03	1.73E-06	1.31E-07	2.23E-06	1.56E-06
3516	479363.09, 3849877.25	1.27E-02	3.99E-06	1.69E-06	8.48E-03	2.68E-06	1.14E-06	3.60E-03	1.14E-06	6.53E-08	3.76E-03	1.19E-06	9.02E-08	1.72E-06	1.16E-06
3517	479863.09, 3849877.25	1.07E-02	3.36E-06	1.43E-06	7.03E-03	2.22E-06	9.42E-07	2.86E-03	9.03E-07	5.20E-08	3.01E-03	9.48E-07	7.20E-08	1.45E-06	9.62E-07
3518	480363.09, 3849877.25	9.02E-03	2.85E-06	1.21E-06	5.80E-03	1.83E-06	7.77E-07	2.19E-03	6.90E-07	3.97E-08	2.30E-03	7.26E-07	5.51E-08	1.22E-06	7.93E-07
3519	480863.09, 3849877.25	7.79E-03	2.46E-06	1.04E-06	4.94E-03	1.56E-06	6.61E-07	1.77E-03	5.60E-07	3.22E-08	1.87E-03	5.90E-07	4.48E-08	1.06E-06	6.73E-07
3520	481363.09, 3849877.25	6.95E-03	2.19E-06	9.31E-07	4.36E-03	1.38E-06	5.84E-07	1.52E-03	4.80E-07	2.76E-08	1.59E-03	5.03E-07	3.82E-08	9.42E-07	5.95E-07
3521	481863.09, 3849877.25	5.66E-03	1.79E-06	7.57E-07	3.51E-03	1.11E-06	4.70E-07	1.18E-03	3.71E-07	2.14E-08	1.23E-03	3.89E-07	2.96E-08	7.66E-07	4.79E-07
3522	482363.09, 3849877.25	4.95E-03	1.56E-06	6.63E-07	3.06E-03	9.66E-07	4.10E-07	1.01E-03	3.18E-07	1.83E-08	1.06E-03	3.35E-07	2.54E-08	6.70E-07	4.17E-07
3523	482863.09, 3849877.25	4.45E-03	1.41E-06	5.96E-07	2.74E-03	8.66E-07	3.67E-07	8.93E-04	2.82E-07	1.62E-08	9.40E-04	2.97E-07	2.25E-08	6.02E-07	3.74E-07
3524	483363.09, 3849877.25	4.01E-03	1.27E-06	5.37E-07	2.46E-03	7.78E-07	3.30E-07	7.93E-04	2.50E-07	1.44E-08	8.36E-04	2.64E-07	2.00E-08	5.43E-07	3.36E-07
3525	483863.09, 3849877.25	3.88E-03	1.23E-06	5.20E-07	2.38E-03	7.50E-07	3.18E-07	7.53E-04	2.38E-07	1.37E-08	7.97E-04	2.51E-07	1.91E-08	5.25E-07	3.24E-07
3526	484363.09, 3849877.25	4.36E-03	1.38E-06	5.83E-07	2.65E-03	8.37E-07	3.55E-07	8.26E-04	2.61E-07	1.50E-08	8.73E-04	2.76E-07	2.09E-08	5.89E-07	3.61E-07
3527	484863.09, 3849877.25	4.78E-03	1.51E-06	6.40E-07	2.90E-03	9.14E-07	3.88E-07	8.79E-04	2.77E-07	1.60E-08	9.32E-04	2.94E-07	2.23E-08	6.47E-07	3.94E-07
3528	485363.09, 3849877.25	4.53E-03	1.43E-06	6.07E-07	2.73E-03	8.63E-07	3.66E-07	8.18E-04	2.58E-07	1.48E-08	8.67E-04	2.74E-07	2.08E-08	6.13E-07	3.72E-07
3529	485863.09, 3849877.25	4.12E-03	1.30E-06	5.52E-07	2.49E-03	7.85E-07	3.33E-07	7.43E-04	2.34E-07	1.35E-08	7.85E-04	2.48E-07	1.88E-08	5.57E-07	3.38E-07
3530	486363.09, 3849877.25	3.87E-03	1.22E-06	5.18E-07	2.33E-03	7.36E-07	3.12E-07	6.96E-04	2.20E-07	1.26E-08	7.35E-04	2.32E-07	1.76E-08	5.23E-07	3.17E-07
3531	486863.09, 3849877.25	3.93E-03	1.24E-06	5.26E-07	2.36E-03	7.45E-07	3.16E-07	6.94E-04	2.19E-07	1.26E-08	7.33E-04	2.31E-07	1.76E-08	5.31E-07	3.21E-07
3532	487363.09, 3849877.25	3.85E-03	1.22E-06	5.16E-07	2.31E-03	7.28E-07	3.09E-07	6.66E-04	2.10E-07	1.21E-08	7.04E-04	2.22E-07	1.69E-08	5.21E-07	3.14E-07
3533	487863.09, 3849877.25	3.76E-03	1.19E-06	5.04E-07	2.24E-03	7.07E-07	3.00E-07	6.34E-04	2.00E-07	1.15E-08	6.71E-04	2.12E-07	1.61E-08	5.08E-07	3.05E-07
3534	488363.09, 3849877.25	3.72E-03	1.17E-06	4.98E-07	2.20E-03	6.95E-07	2.95E-07	6.08E-04	1.92E-07	1.10E-08	6.45E-04	2.03E-07	1.54E-08	5.02E-07	2.99E-07
3535	488863.09, 3849877.25	3.69E-03	1.16E-06	4.94E-07	2.17E-03	6.86E-07	2.91E-07	5.86E-04	1.85E-07	1.06E-08	6.22E-04	1.96E-07	1.49E-08	4.98E-07	2.95E-07
3536	489363.09, 3849877.25	3.66E-03	1.15E-06	4.90E-07	2.14E-03	6.76E-07	2.87E-07	5.61E-04	1.77E-07	1.02E-08	5.96E-04	1.88E-07	1.43E-08	4.94E-07	2.91E-07
3537	489863.09, 3849877.25	3.60E-03	1.14E-06	4.82E-07	2.09E-03	6.61E-07	2.80E-07	5.33E-04	1.68E-07	9.67E-09	5.66E-04	1.79E-07	1.36E-08	4.85E-07	2.84E-07
3538	490363.09, 3849877.25	3.52E-03	1.11E-06	4.71E-07	2.04E-03	6.43E-07	2.73E-07	5.04E-04	1.59E-07	9.16E-09	5.35E-04	1.69E-07	1.28E-08	4.75E-07	2.77E-07
3539	490863.09, 3849877.25	3.48E-03	1.10E-06	4.65E-07	2.00E-03	6.32E-07	2.68E-07	4.81E-04	1.52E-07	8.73E-09	5.11E-04	1.61E-07	1.22E-08	4.69E-07	2.72E-07
3540	491363.09, 3849877.25	3.45E-03	1.09E-06	4.62E-07	1.98E-03	6.24E-07	2.65E-07	4.61E-04	1.45E-07	8.36E-09	4.88E-04	1.54E-07	1.17E-08	4.65E-07	2.68E-07
3541	491863.09, 3849877.25	3.33E-03	1.05E-06	4.46E-07	1.90E-03	5.99E-07	2.54E-07	4.31E-04	1.36E-07	7.82E-09	4.57E-04	1.44E-07	1.09E-08	4.49E-07	2.57E-07
3542	492363.09, 3849877.25	3.24E-03	1.02E-06	4.34E-07	1.84E-03	5.81E-07	2.46E-07	4.06E-04	1.28E-07	7.36E-09	4.31E-04	1.36E-07	1.03E-08	4.37E-07	2.49E-07
3543	492863.09, 3849877.25	3.15E-03	9.95E-07	4.22E-07	1.78E-03	5.61E-07	2.38E-07	3.78E-04	1.19E-07	6.85E-09	4.03E-04	1.27E-07	9.66E-09	4.25E-07	2.41E-07
3544	493363.09, 3849877.25	3.09E-03	9.77E-07	4.14E-07	1.73E-03	5.47E-07	2.32E-07	3.51E-04	1.11E-07	6.37E-09	3.74E-04	1.18E-07	8.95E-09	4.17E-07	2.35E-07
3545	493863.09, 3849877.25	3.08E-03	9.71E-07	4.12E-07	1.71E-03	5.41E-07	2.29E-07	3.35E-04	1.06E-07	6.09E-09	3.56E-04	1.12E-07	8.52E-09	4.14E-07	2.32E-07
3546	494363.09, 3849877.25	3.31E-03	1.05E-06	4.43E-07	1.84E-03	5.81E-07	2.47E-07	3.57E-04	1.13E-07	6.48E-09	3.82E-04	1.21E-07	9.15E-09	4.46E-07	2.49E-07
3547	494863.09, 3849877.25	3.51E-03	1.11E-06	4.69E-07	1.94E-03	6.13E-07	2.60E-07	3.68E-04	1.16E-07	6.68E-09	3.93E-04	1.24E-07	9.42E-09	4.72E-07	2.63E-07
3548	495363.09, 3849877.25	3.37E-03	1.06E-06	4.51E-07	1.86E-03	5.87E-07	2.49E-07	3.38E-04	1.07E-07	6.14E-09	3.62E-04	1.14E-07	8.68E-09	4.54E-07	2.52E-07
3549	495863.09, 3849877.25	3.57E-03	1.13E-06	4.78E-07	1.97E-03	6.21E-07	2.63E-07	3.54E-04	1.12E-07	6.43E-09	3.79E-04	1.20E-07	9.07E-09	4.81E-07	2.66E-07
3550	496363.09, 3849877.25	3.68E-03	1.16E-06	4.93E-07	2.02E-03	6.37E-07	2.70E-07	3.54E-04	1.12E-07	6.43E-09	3.79E-04	1.20E-07	9.07E-09	4.95E-07	2.73E-07
3551	496863.09, 3849877.25	3.76E-03	1.19E-06	5.04E-07	2.06E-03	6.50E-07	2.76E-07	3.52E-04	1.11E-07	6.40E-09	3.77E-04	1.19E-07	9.03E-09	5.06E-07	2.78E-07
3552	497363.09, 3849877.25	4.07E-03	1.29E-06	5.46E-07	2.22E-03	7.02E-07	2.98E-07	3.71E-04	1.17E-07	6.74E-09	4.00E-04	1.26E-07	9.58E-09	5.48E-07	3.01E-07
3553	497863.09, 3849877.25	4.20E-03	1.33E-06	5.63E-07	2.29E-03	7.21E-07	3.06E-07	3.73E-04	1.18E-07	6.77E-09	4.03E-04	1.27E-07	9.66E-09	5.66E-07	3.09E-07
3554	498363.09, 3849877.25	4.15E-03	1.31E-06	5.56E-07	2.25E-03	7.11E-07	3.02E-07	3.62E-04	1.14E-07	6.57E-09	3.90E-04	1.23E-07	9.35E-09	5.58E-07	3.04E-07
3555	471363.09, 3850377.25	2.43E-03	7.68E-07	3.26E-07	1.38E-03	4.35E-07	1.85E-07	3.01E-04	9.49E-08	5.46E-09	3.20E-04	1.01E-07	7.66E-09	3.28E-07	1.87E-07
3556	471863.09, 3850377.25	2.68E-03	8.45E-07	3.58E-07	1.55E-03	4.90E-07	2.08E-07	3.85E-04	1.22E-07	7.00E-09	4.08E-04	1.29E-07	9.78E-09	3.61E-07	2.11E-07
3557	472363.09, 3850377.25	2.83E-03	8.92E-07	3.78E-07	1.66E-03	5.23E-07	2.22E-07	4.39E-04	1.38E-07	7.96E-09	4.65E-04	1.47E-07	1.11E-08	3.82E-07	2.25E-07
3558	472863.09, 3850377.25	3.01E-03	9.50E-07	4.03E-07	1.79E-03	5.66E-07	2.40E-07	5.09E-04	1.61E-07	9.24E-09	5.39E-04	1.70E-07	1.29E-08	4.07E-07	2.44E-07
3559	473363.09, 3850377.25	3.14E-03	9.90E-07	4.20E-07	1.89E-03	5.96E-07	2.53E-07	5.58E-04	1.76E-07	1.01E-08	5.88E-04	1.85E-07	1.41E-08	4.24E-07	2.57E-07
3560	473863.09, 3850377.25	3.27E-03	1.03E-06	4.37E-07	1.99E-03	6.27E-07	2.66E-07	6.16E-04	1.94E-07	1.12E-08	6.50E-04	2.05E-07	1.56E-08	4.42E-07	2.70E-07
3561	474363.09, 3850377.25	3.43E-03	1.08E-06	4.59E-07	2.11E-03	6.66E-07	2.83E-07	6.81E-04	2.15E-07	1.24E-08	7.18E-04	2.27E-07	1.72E-08	4.64E-07	2.87E-07
3562	474863.09, 3850377.25	3.60E-03	1.14E-06	4.82E-07	2.24E-03	7.07E-07	3.00E-07	7.58E-04	2.39E-07	1.38E-08	7.98E-04	2.52E-07	1.91E-08	4.87E-07	3.05E-07
3563	475363.09, 3850377.25	3.82E-03	1.21E-06	5.12E-07	2.41E-03	7.60E-07	3.23E-07	8.49E-04	2.68E-07	1.54E-08	8.91E-04	2.81E-07	2.13E-08	5.18E-07	3.28E-07
3564	475863.09, 3850377.25	4.20E-03	1.33E-06	5.63E-07	2.68E-03	8.45E-07	3.58E-07	9.78E-04	3.09E-07	1.77E-08	1.03E-03	3.25E-07	2.46E-08	5.70E-07	3.65E-07
3565	476363.09, 3850377.25	4.71E-03	1.49E-06	6.31E-07	3.03E-03	9.55E-07	4.05E-07	1.13E-03	3.58E-07	2.06E-08	1.20E-03	3.78E-07	2.87E-08	6.39E-07	4.13E-07
3566	476863.09, 3850377.25	5.39E-03	1.70E-06	7.22E-07	3.50E-03	1.11E-06	4.69E-07	1.37E-03	4.31E-07	2.48E-08	1.45E-03	4.56E-07	3.46E-08	7.31E-07	4.79E-07
3567	477363.09, 3850377.25	6.45E-03	2.03E-06	8.63E-07	4.28E-03	1.35E-06	5.73E-07	1.76E-03	5.57E-07	3.20E-08	1.86E-03	5.88E-07	4.47E-08	8.76E-07	5.85E-07
3568	477863.09, 3850377.25	8.78E-03	2.77E-06	1.18E-06	5.98E-03	1.89E-06	8.01E-07	2.64E-03	8.35E-07	4.80E-08	2.79E-03	8.80E-07	6.68E-08	1.19E-06	8.19E-07
3569	478363.09, 3850377.25	1.82E-02	5.75E-06	2.44E-06	1.29E-02	4.07E-06	1.73E-06	6.22E-03	1.96E-06	1.13E-07	6.62E-03	2.09E-06	1.59E-07	2.49E-06	1.77E-06
3570	478863.09, 3850377.25	1.08E-01	3.41E-05	1.45E-05	7.62E-02	2.41E-05	1.02E-05	3.65E-02	1.15E-05	6.63E-07	3.71E-02	1.17E-05	8.88E-07	1.47E-05	1.04E-05
3571	479363.09, 3850377.25	3.75E-02	1.18E-05	5.03E-06	2.42E-02	7.64E-06	3.24E-06	9.19E-03	2.90E-06	1.67E-07	9.55E-03	3.01E-06	2.29E-07	5.09E-06	3.30E-06
3572	479863.09, 3850377.25	2.27E-02	7.16E-06	3.04E-06	1.43E-02	4.52E-06	1.92E-06	5.08E-03	1.60E-06	9.23E-08	5.30E-03	1.67E-06	1.27E-07	3.07E-06	1.95E-06
3573	480363.09, 3850377.25	1.65E-02	5.20E-06	2.20E-06	1.03E-02	3.24E-06	1.38E-06	3.50E-03	1.11E-06	6.36E-08	3.67E-03	1.16E-06	8.79E-08	2.23E-06	1.40E-06
3574	480863.09, 3850377.25	1.29E-02	4.08E-06	1.73E-06	8.08E-03	2.55E-06	1.08E-06	2.78E-03	8.78E-07	5.05E-08	2.92E-03	9.21E-07	6.99E-08	1.75E-06	1.10E-06
3575	481363.09, 3850377.25	9.58E-03	3.02E-06	1.28E-06	5.91E-03	1.86E-06	7.91E-07	1.92E-03	6.07E-07	3.49E-08	2.03E-03	6.39E-07	4.85E-08	1.30E-06	8.05E-07
3576	481863.09, 3850377.25	8.43E-03	2.66E-06	1.13E-06	5.17E-03	1.63E-06	6.92E-07	1.65E-03	5.21E-07	2.99E-08	1.73E-03	5.47E-07	4.15E-08	1.14E-06	7.03E-07
3577	482363.09, 3850377.25	7.49E-03	2.36E-06	1.00E-06	4.56E-03	1.44E-06	6.11E-07	1.42E-03	4.48E-07	2.58E-08	1.50E-03	4.72E-07	3.59E-08	1.01E-06	6.21E-07
3578	482863.09, 3850377.25	5.88E-03	1.86E-06	7.88E-07	3.59E-03	1.13E-06	4.81E-07	1.13E-03	3.56E-07	2.05E-08	1.19E-03	3.77E-07	2.86E-08	7.96E-07	4.89E-07
3579	483363.09, 3850377.25	5.02E-03	1.59E-06	6.73E-07	3.07E-03	9.68E-07	4.11E-07	9.65E-04	3.05E-07	1.75E-08	1.02E-03	3.22E-07	2.44E-08	6.79E-07	4.18E-07
3580	483863.09, 3850377.25	4.99E-03	1.58E-06	6.69E-07	3.04E-03	9.58E-07	4.07E-07	9.40E-04	2.97E-07	1.71E-08	9.96E-04	3.14E-07	2.39E-08	6.75E-07	4.13E-07
3581	484363.09, 3850377.25	5.20E-03	1.64E-06	6.96E-07	3.14E-03	9.93E-07	4.21E-07	9.51E-04	3.00E-07	1.73E-08	1.01E-03	3.18E-07	2.42E-08	7.03E-07	4.28E-07
3582	484863.09, 3850377.25	5.38E-03	1.70E-06	7.20E-07	3.24E-03	1.02E-06	4.33E-07	9.60E-04	3.03E-07	1.74E-08	1.02E-03	3.22E-07	2.44E-08	7.27E-07	4.41E-07
3583	485363.09, 3850377.25	5.21E-03	1.64E-06	6.97E-07	3.12E-03	9.85E-07	4.18E-07	9.07E-04	2.86E-07	1.65E-08	9.63E-04	3.04E-07	2.31E-08	7.04E-07	4.24E-07
3584	485863.09, 3850377.25	4.86E-03	1.53E-06	6.50E-07	2.90E-03	9.16E-07	3.89E-07	8.33E-04	2.63E-07	1.51E-08	8.83E-04	2.79E-07	2.12E-08	6.56E-07	3.95E-07
3585	486363.09, 3850377.25	4.68E-03	1.48E-06	6.27E-07	2.79E-03	8.80E-07	3.74E-07	7.93E-04	2.50E-07	1.44E-08	8.39E-04	2.65E-07	2.01E-08	6.32E-07	3.79E-07
3586	486863.09, 3850377.25	4.53E-03	1.43E-06	6.07E-07	2.69E-03	8.50E-07	3.61E-07	7.55E-04	2.38E-07	1.37E-08	8.00E-04	2.52E-07	1.92E-08	6.12E-07	3.66E-07
3587	487363.09, 3850377.25	4.34E-03	1.37E-06	5.81E-07	2.57E-03	8.11E-07	3.44E-07	7.10E-04	2.24E-07	1.29E-08	7.51E-04	2.37E-07	1.80E-08	5.86E-07	3.49E-07
3588	487863.09, 3850377.25	4.26E-03	1.34E-06	5.70E-07	2.51E-03	7.92E-07	3.36E-07	6.78E-04	2.14E-07	1.23E-08	7.20E-04	2.27E-07	1.72E-08	5.75E-07	3.41E-07
3589	488363.09, 3850377.25	4.18E-03	1.32E-06	5.59E-07	2.45E-03	7.73E-07	3.28E-07	6.47E-04	2.04E-07	1.17E-08	6.87E-04	2.17E-07	1.65E-08	5.64E-07	3.33E-07
3590	488863.09, 3850377.25	4.14E-03	1.31E-06	5.55E-07	2.42E-03	7.63E-07	3.24E-07	6.20E-04	1.96E-07	1.13E-08	6.59E-04	2.08E-07	1.58E-08	5.59E-07	3.28E-07
3591	489363.09, 3850377.25	4.11E-03	1.30E-06	5.50E-07	2.38E-03	7.52E-07	3.19E-07	5.92E-04	1.87E-07	1.07E-08	6.30E-04	1.99E-07	1.51E-08	5.55E-07	3.23E-07
3592	489863.09, 3850377.25	4.03E-03	1.27E-06	5.40E-07	2.32E-03	7.33E-07	3.11E-07	5.59E-04	1.77E-07	1.02E-08	5.94E-04	1.88E-07	1.42E-08	5.44E-07	3.15E-07
3593	490363.09, 3850377.25	3.95E-03	1.25E-06	5.29E-07	2.26E-03	7.15E-07	3.03E-07	5.29E-04	1.67E-07	9.61E-09	5.65E-04	1.78E-07	1.35E-08	5.33E-07	3.07E-07
3594	490863.09, 3850377.25	3.91E-03	1.23E-06	5.23E-07	2.23E-03	7.03E-07	2.98E-07	5.06E-04	1.60E-07	9.18E-09	5.39E-04	1.70E-07	1.29E-08	5.27E-07	3.02E-07
3595	491363.09, 3850377.25	3.87E-03	1.22E-06	5.19E-07	2.20E-03	6.93E-07	2.94E-07	4.81E-04	1.52E-07	8.73E-09	5.13E-04	1.62E-07	1.23E-08	5.22E-07	2.98E-07
3596	491863.09, 3850377.25	3.76E-03	1.19E-06	5.04E-07	2.12E-03	6.70E-07	2.84E-07	4.48E-04	1.41E-07	8.13E-09	4.78E-04	1.51E-07	1.15E-08	5.07E-07	2.87E-07

3597	492363.09, 3850377.25	3.62E-03	1.14E-06	4.84E-07	2.03E-03	6.40E-07	2.72E-07	4.17E-04	1.32E-07	7.56E-09	4.46E-04	1.41E-07	1.07E-08	4.87E-07	2.75E-07
3598	492863.09, 3850377.25	3.56E-03	1.12E-06	4.77E-07	1.99E-03	6.28E-07	2.67E-07	3.96E-04	1.25E-07	7.19E-09	4.23E-04	1.33E-07	1.01E-08	4.80E-07	2.70E-07
3599	493363.09, 3850377.25	3.51E-03	1.11E-06	4.70E-07	1.95E-03	6.14E-07	2.61E-07	3.71E-04	1.17E-07	6.74E-09	3.97E-04	1.25E-07	9.50E-09	4.72E-07	2.63E-07
3600	493863.09, 3850377.25	3.64E-03	1.15E-06	4.87E-07	2.01E-03	6.36E-07	2.70E-07	3.76E-04	1.19E-07	6.82E-09	4.02E-04	1.27E-07	9.62E-09	4.90E-07	2.72E-07
3601	494363.09, 3850377.25	3.75E-03	1.18E-06	5.02E-07	2.07E-03	6.52E-07	2.77E-07	3.74E-04	1.18E-07	6.80E-09	4.02E-04	1.27E-07	9.62E-09	5.05E-07	2.79E-07
3602	494863.09, 3850377.25	3.95E-03	1.25E-06	5.29E-07	2.17E-03	6.85E-07	2.91E-07	3.84E-04	1.21E-07	6.97E-09	4.11E-04	1.30E-07	9.85E-09	5.32E-07	2.94E-07
3603	495363.09, 3850377.25	4.20E-03	1.32E-06	5.62E-07	2.30E-03	7.25E-07	3.08E-07	3.93E-04	1.24E-07	7.14E-09	4.24E-04	1.34E-07	1.02E-08	5.65E-07	3.11E-07
3604	495863.09, 3850377.25	4.11E-03	1.30E-06	5.50E-07	2.24E-03	7.08E-07	3.00E-07	3.76E-04	1.19E-07	6.82E-09	4.05E-04	1.28E-07	9.70E-09	5.53E-07	3.03E-07
3605	496363.09, 3850377.25	4.35E-03	1.37E-06	5.83E-07	2.37E-03	7.47E-07	3.17E-07	3.85E-04	1.22E-07	7.00E-09	4.16E-04	1.31E-07	9.97E-09	5.86E-07	3.20E-07
3606	496863.09, 3850377.25	4.56E-03	1.44E-06	6.10E-07	2.47E-03	7.80E-07	3.31E-07	3.93E-04	1.24E-07	7.14E-09	4.26E-04	1.34E-07	1.02E-08	6.13E-07	3.34E-07
3607	497363.09, 3850377.25	4.64E-03	1.46E-06	6.21E-07	2.51E-03	7.93E-07	3.36E-07	3.92E-04	1.24E-07	7.11E-09	4.24E-04	1.34E-07	1.02E-08	6.24E-07	3.39E-07
3608	497863.09, 3850377.25	4.63E-03	1.46E-06	6.20E-07	2.50E-03	7.89E-07	3.35E-07	3.82E-04	1.21E-07	6.94E-09	4.15E-04	1.31E-07	9.93E-09	6.23E-07	3.38E-07
3609	498363.09, 3850377.25	4.62E-03	1.46E-06	6.19E-07	2.49E-03	7.86E-07	3.34E-07	3.74E-04	1.18E-07	6.80E-09	4.05E-04	1.28E-07	9.70E-09	6.22E-07	3.37E-07
3610	471363.09, 3850877.25	2.61E-03	8.24E-07	3.50E-07	1.47E-03	4.65E-07	1.97E-07	3.12E-04	9.84E-08	5.66E-09	3.30E-04	1.04E-07	7.90E-09	3.52E-07	1.99E-07
3611	471863.09, 3850877.25	2.72E-03	8.60E-07	3.65E-07	1.55E-03	4.89E-07	2.07E-07	3.46E-04	1.09E-07	6.28E-09	3.67E-04	1.16E-07	8.80E-09	3.67E-07	2.10E-07
3612	472363.09, 3850877.25	2.85E-03	9.01E-07	3.82E-07	1.64E-03	5.19E-07	2.20E-07	3.95E-04	1.25E-07	7.17E-09	4.18E-04	1.32E-07	1.00E-08	3.85E-07	2.23E-07
3613	472863.09, 3850877.25	3.00E-03	9.47E-07	4.02E-07	1.75E-03	5.52E-07	2.34E-07	4.45E-04	1.40E-07	8.08E-09	4.70E-04	1.48E-07	1.13E-08	4.05E-07	2.37E-07
3614	473363.09, 3850877.25	3.07E-03	9.69E-07	4.11E-07	1.79E-03	5.64E-07	2.39E-07	4.56E-04	1.44E-07	8.27E-09	4.83E-04	1.52E-07	1.16E-08	4.14E-07	2.43E-07
3615	473863.09, 3850877.25	3.26E-03	1.03E-06	4.36E-07	1.92E-03	6.06E-07	2.57E-07	5.19E-04	1.64E-07	9.41E-09	5.48E-04	1.73E-07	1.31E-08	4.40E-07	2.61E-07
3616	474363.09, 3850877.25	3.36E-03	1.06E-06	4.51E-07	2.01E-03	6.33E-07	2.69E-07	5.72E-04	1.80E-07	1.04E-08	6.04E-04	1.91E-07	1.45E-08	4.55E-07	2.73E-07
3617	474863.09, 3850877.25	3.53E-03	1.11E-06	4.72E-07	2.12E-03	6.69E-07	2.84E-07	6.25E-04	1.97E-07	1.13E-08	6.59E-04	2.08E-07	1.58E-08	4.77E-07	2.88E-07
3618	475363.09, 3850877.25	3.68E-03	1.16E-06	4.93E-07	2.23E-03	7.05E-07	2.99E-07	6.83E-04	2.16E-07	1.24E-08	7.21E-04	2.28E-07	1.73E-08	4.98E-07	3.04E-07
3619	475863.09, 3850877.25	3.90E-03	1.23E-06	5.22E-07	2.38E-03	7.53E-07	3.19E-07	7.55E-04	2.38E-07	1.37E-08	7.95E-04	2.51E-07	1.90E-08	5.27E-07	3.25E-07
3620	476363.09, 3850877.25	4.26E-03	1.34E-06	5.71E-07	2.62E-03	8.27E-07	3.51E-07	8.47E-04	2.67E-07	1.54E-08	8.91E-04	2.81E-07	2.13E-08	5.76E-07	3.57E-07
3621	476863.09, 3850877.25	4.62E-03	1.46E-06	6.19E-07	2.86E-03	9.03E-07	3.83E-07	9.49E-04	3.00E-07	1.72E-08	1.00E-03	3.16E-07	2.40E-08	6.26E-07	3.90E-07
3622	477363.09, 3850877.25	5.07E-03	1.60E-06	6.78E-07	3.17E-03	1.00E-06	4.25E-07	1.09E-03	3.46E-07	1.99E-08	1.16E-03	3.67E-07	2.78E-08	6.86E-07	4.33E-07
3623	477863.09, 3850877.25	5.73E-03	1.81E-06	7.67E-07	3.64E-03	1.15E-06	4.88E-07	1.32E-03	4.17E-07	2.40E-08	1.40E-03	4.42E-07	3.35E-08	7.77E-07	4.97E-07
3624	478363.09, 3850877.25	6.98E-03	2.20E-06	9.35E-07	4.51E-03	1.42E-06	6.05E-07	1.73E-03	5.46E-07	3.14E-08	1.83E-03	5.77E-07	4.38E-08	9.47E-07	6.17E-07
3625	478863.09, 3850877.25	9.59E-03	3.03E-06	1.28E-06	6.31E-03	1.99E-06	8.45E-07	2.54E-03	8.02E-07	4.62E-08	2.69E-03	8.51E-07	6.46E-08	1.30E-06	8.63E-07
3626	479363.09, 3850877.25	1.84E-02	5.81E-06	2.46E-06	1.26E-02	3.96E-06	1.68E-06	5.58E-03	1.76E-06	1.01E-07	6.01E-03	1.90E-06	1.44E-07	2.51E-06	1.72E-06
3627	479863.09, 3850877.25	1.28E-01	4.05E-05	1.72E-05	9.08E-02	2.86E-05	1.22E-05	4.38E-02	1.38E-05	7.96E-07	4.36E-02	1.37E-05	1.04E-06	1.74E-05	1.24E-05
3628	480363.09, 3850877.25	3.33E-02	1.05E-05	4.46E-06	2.23E-02	7.03E-06	2.98E-06	9.42E-03	2.97E-06	1.71E-07	9.81E-03	3.10E-06	2.35E-07	4.52E-06	3.05E-06
3629	480863.09, 3850877.25	1.97E-02	6.23E-06	2.64E-06	1.29E-02	4.08E-06	1.73E-06	5.16E-03	1.63E-06	9.37E-08	5.41E-03	1.71E-06	1.30E-07	2.68E-06	1.77E-06
3630	481363.09, 3850877.25	1.46E-02	4.61E-06	1.96E-06	9.37E-03	2.96E-06	1.26E-06	3.50E-03	1.10E-06	6.35E-08	3.69E-03	1.16E-06	8.83E-08	1.98E-06	1.28E-06
3631	481863.09, 3850877.25	1.19E-02	3.77E-06	1.60E-06	7.43E-03	2.35E-06	9.95E-07	2.52E-03	7.95E-07	4.57E-08	2.65E-03	8.37E-07	6.35E-08	1.62E-06	1.01E-06
3632	482363.09, 3850877.25	9.68E-03	3.06E-06	1.30E-06	5.91E-03	1.87E-06	7.91E-07	1.85E-03	5.85E-07	3.36E-08	1.96E-03	6.17E-07	4.68E-08	1.31E-06	8.05E-07
3633	482863.09, 3850877.25	8.05E-03	2.54E-06	1.08E-06	4.89E-03	1.54E-06	6.54E-07	1.50E-03	4.72E-07	2.72E-08	1.58E-03	5.00E-07	3.79E-08	1.09E-06	6.65E-07
3634	483363.09, 3850877.25	6.60E-03	2.08E-06	8.83E-07	4.00E-03	1.26E-06	5.36E-07	1.23E-03	3.87E-07	2.23E-08	1.30E-03	4.10E-07	3.11E-08	8.92E-07	5.45E-07
3635	483863.09, 3850877.25	6.10E-03	1.93E-06	8.17E-07	3.69E-03	1.16E-06	4.94E-07	1.12E-03	3.52E-07	2.02E-08	1.19E-03	3.74E-07	2.84E-08	8.25E-07	5.02E-07
3636	484363.09, 3850877.25	6.18E-03	1.95E-06	8.28E-07	3.72E-03	1.17E-06	4.98E-07	1.10E-03	3.46E-07	1.99E-08	1.17E-03	3.68E-07	2.79E-08	8.36E-07	5.06E-07
3637	484863.09, 3850877.25	5.95E-03	1.88E-06	7.97E-07	3.56E-03	1.12E-06	4.77E-07	1.02E-03	3.23E-07	1.86E-08	1.09E-03	3.44E-07	2.61E-08	8.05E-07	4.84E-07
3638	485363.09, 3850877.25	5.83E-03	1.84E-06	7.80E-07	3.47E-03	1.09E-06	4.64E-07	9.76E-04	3.08E-07	1.77E-08	1.04E-03	3.28E-07	2.49E-08	7.88E-07	4.71E-07
3639	485863.09, 3850877.25	5.40E-03	1.70E-06	7.23E-07	3.20E-03	1.01E-06	4.28E-07	8.80E-04	2.78E-07	1.60E-08	9.37E-04	2.96E-07	2.24E-08	7.29E-07	4.34E-07
3640	486363.09, 3850877.25	5.35E-03	1.69E-06	7.16E-07	3.15E-03	9.94E-07	4.22E-07	8.49E-04	2.68E-07	1.54E-08	9.03E-04	2.85E-07	2.16E-08	7.22E-07	4.28E-07
3641	486863.09, 3850877.25	5.14E-03	1.62E-06	6.89E-07	3.02E-03	9.53E-07	4.04E-07	8.02E-04	2.53E-07	1.46E-08	8.52E-04	2.69E-07	2.04E-08	6.94E-07	4.10E-07
3642	487363.09, 3850877.25	4.89E-03	1.54E-06	6.55E-07	2.87E-03	9.04E-07	3.84E-07	7.49E-04	2.36E-07	1.36E-08	7.97E-04	2.51E-07	1.91E-08	6.61E-07	3.89E-07
3643	487863.09, 3850877.25	4.77E-03	1.50E-06	6.38E-07	2.78E-03	8.77E-07	3.72E-07	7.11E-04	2.24E-07	1.29E-08	7.57E-04	2.39E-07	1.81E-08	6.44E-07	3.77E-07
3644	488363.09, 3850877.25	4.74E-03	1.50E-06	6.35E-07	2.75E-03	8.66E-07	3.68E-07	6.78E-04	2.14E-07	1.23E-08	7.25E-04	2.29E-07	1.74E-08	6.40E-07	3.73E-07
3645	488863.09, 3850877.25	4.68E-03	1.48E-06	6.27E-07	2.70E-03	8.51E-07	3.61E-07	6.45E-04	2.04E-07	1.17E-08	6.89E-04	2.17E-07	1.65E-08	6.32E-07	3.66E-07
3646	489363.09, 3850877.25	4.65E-03	1.47E-06	6.23E-07	2.66E-03	8.40E-07	3.56E-07	6.17E-04	1.95E-07	1.12E-08	6.59E-04	2.08E-07	1.58E-08	6.27E-07	3.61E-07
3647	489863.09, 3850877.25	4.60E-03	1.45E-06	6.16E-07	2.62E-03	8.25E-07	3.50E-07	5.84E-04	1.84E-07	1.06E-08	6.27E-04	1.98E-07	1.50E-08	6.20E-07	3.55E-07
3648	490363.09, 3850877.25	4.57E-03	1.44E-06	6.11E-07	2.58E-03	8.15E-07	3.46E-07	5.59E-04	1.77E-07	1.02E-08	5.99E-04	1.89E-07	1.44E-08	6.16E-07	3.50E-07
3649	490863.09, 3850877.25	4.52E-03	1.43E-06	6.05E-07	2.54E-03	8.02E-07	3.40E-07	5.33E-04	1.68E-07	9.67E-09	5.73E-04	1.81E-07	1.37E-08	6.09E-07	3.45E-07
3650	491363.09, 3850877.25	4.41E-03	1.39E-06	5.91E-07	2.47E-03	7.80E-07	3.31E-07	5.03E-04	1.59E-07	9.13E-09	5.40E-04	1.71E-07	1.29E-08	5.95E-07	3.35E-07
3651	491863.09, 3850877.25	4.30E-03	1.36E-06	5.76E-07	2.40E-03	7.57E-07	3.21E-07	4.72E-04	1.49E-07	8.56E-09	5.08E-04	1.60E-07	1.22E-08	5.80E-07	3.25E-07
3652	492363.09, 3850877.25	4.23E-03	1.33E-06	5.66E-07	2.34E-03	7.40E-07	3.14E-07	4.43E-04	1.40E-07	8.05E-09	4.78E-04	1.51E-07	1.15E-08	5.70E-07	3.17E-07
3653	492863.09, 3850877.25	4.16E-03	1.31E-06	5.58E-07	2.30E-03	7.26E-07	3.08E-07	4.23E-04	1.33E-07	7.68E-09	4.55E-04	1.44E-07	1.09E-08	5.61E-07	3.11E-07
3654	493363.09, 3850877.25	4.18E-03	1.32E-06	5.59E-07	2.30E-03	7.25E-07	3.08E-07	4.09E-04	1.29E-07	7.42E-09	4.41E-04	1.39E-07	1.06E-08	5.62E-07	3.11E-07
3655	493863.09, 3850877.25	4.35E-03	1.37E-06	5.82E-07	2.38E-03	7.52E-07	3.19E-07	4.12E-04	1.30E-07	7.48E-09	4.46E-04	1.41E-07	1.07E-08	5.85E-07	3.22E-07
3656	494363.09, 3850877.25	4.45E-03	1.40E-06	5.96E-07	2.43E-03	7.66E-07	3.25E-07	4.06E-04	1.28E-07	7.36E-09	4.39E-04	1.39E-07	1.05E-08	5.99E-07	3.28E-07
3657	494863.09, 3850877.25	4.68E-03	1.48E-06	6.26E-07	2.54E-03	8.02E-07	3.40E-07	4.10E-04	1.30E-07	7.45E-09	4.46E-04	1.41E-07	1.07E-08	6.29E-07	3.43E-07
3658	495363.09, 3850877.25	4.88E-03	1.54E-06	6.53E-07	2.64E-03	8.35E-07	3.54E-07	4.18E-04	1.32E-07	7.59E-09	4.54E-04	1.43E-07	1.09E-08	6.56E-07	3.57E-07
3659	495863.09, 3850877.25	4.92E-03	1.55E-06	6.59E-07	2.66E-03	8.40E-07	3.56E-07	4.10E-04	1.30E-07	7.45E-09	4.46E-04	1.41E-07	1.07E-08	6.63E-07	3.60E-07
3660	496363.09, 3850877.25	5.03E-03	1.59E-06	6.74E-07	2.71E-03	8.56E-07	3.63E-07	4.09E-04	1.29E-07	7.42E-09	4.44E-04	1.40E-07	1.06E-08	6.77E-07	3.67E-07
3661	496863.09, 3850877.25	5.21E-03	1.64E-06	6.97E-07	2.80E-03	8.84E-07	3.75E-07	4.14E-04	1.31E-07	7.51E-09	4.51E-04	1.42E-07	1.08E-08	7.00E-07	3.78E-07
3662	497363.09, 3850877.25	5.21E-03	1.64E-06	6.98E-07	2.80E-03	8.83E-07	3.75E-07	4.04E-04	1.28E-07	7.34E-09	4.42E-04	1.40E-07	1.06E-08	7.01E-07	3.78E-07
3663	497863.09, 3850877.25	5.14E-03	1.62E-06	6.89E-07	2.76E-03	8.70E-07	3.69E-07	3.93E-04	1.24E-07	7.14E-09	4.29E-04	1.35E-07	1.03E-08	6.92E-07	3.72E-07
3664	498363.09, 3850877.25	5.09E-03	1.61E-06	6.82E-07	2.72E-03	8.60E-07	3.65E-07	3.82E-04	1.21E-07	6.94E-09	4.16E-04	1.31E-07	9.97E-09	6.85E-07	3.68E-07
3665	471363.09, 3851377.25	2.72E-03	8.60E-07	3.65E-07	1.52E-03	4.80E-07	2.04E-07	3.02E-04	9.54E-08	5.49E-09	3.22E-04	1.01E-07	7.70E-09	3.67E-07	2.06E-07
3666	471863.09, 3851377.25	2.90E-03	9.14E-07	3.88E-07	1.64E-03	5.16E-07	2.19E-07	3.51E-04	1.11E-07	6.37E-09	3.74E-04	1.18E-07	8.95E-09	3.90E-07	2.22E-07
3667	472363.09, 3851377.25	2.97E-03	9.36E-07	3.97E-07	1.68E-03	5.30E-07	2.25E-07	3.63E-04	1.15E-07	6.60E-09	3.85E-04	1.22E-07	9.23E-09	4.00E-07	2.27E-07
3668	472863.09, 3851377.25	3.03E-03	9.56E-07	4.06E-07	1.72E-03	5.42E-07	2.30E-07	3.79E-04	1.20E-07	6.88E-09	4.02E-04	1.27E-07	9.62E-09	4.08E-07	2.33E-07
3669	473363.09, 3851377.25	3.02E-03	9.55E-07	4.05E-07	1.71E-03	5.39E-07	2.29E-07	3.65E-04	1.15E-07	6.63E-09	3.87E-04	1.22E-07	9.27E-09	4.08E-07	2.31E-07
3670	473863.09, 3851377.25	3.15E-03	9.95E-07	4.22E-07	1.79E-03	5.64E-07	2.39E-07	3.90E-04	1.23E-07	7.08E-09	4.15E-04	1.31E-07	9.93E-09	4.25E-07	2.42E-07
3671	474363.09, 3851377.25	3.37E-03	1.06E-06	4.51E-07	1.94E-03	6.13E-07	2.60E-07	4.65E-04	1.47E-07	8.45E-09	4.93E-04	1.56E-07	1.18E-08	4.55E-07	2.63E-07
3672	474863.09, 3851377.25	3.56E-03	1.12E-06	4.77E-07	2.08E-03	6.56E-07	2.78E-07	5.31E-04	1.68E-07	9.64E-09	5.62E-04	1.77E-07	1.35E-08	4.81E-07	2.82E-07
3673	475363.09, 3851377.25	3.71E-03	1.17E-06	4.97E-07	2.18E-03	6.89E-07	2.92E-07	5.83E-04	1.84E-07	1.06E-08	6.15E-04	1.94E-07	1.47E-08	5.01E-07	2.96E-07
3674	475863.09, 3851377.25	3.88E-03	1.22E-06	5.20E-07	2.30E-03	7.25E-07	3.07E-07	6.31E-04	1.99E-07	1.15E-08	6.68E-04	2.11E-07	1.60E-08	5.24E-07	3.12E-07
3675	476363.09, 3851377.25	4.15E-03	1.31E-06	5.55E-07	2.46E-03	7.78E-07	3.30E-07	6.91E-04	2.18E-07	1.25E-08	7.31E-04	2.31E-07	1.75E-08	5.60E-07	3.35E-07
3676	476863.09, 3851377.25	4.41E-03	1.39E-06	5.91E-07	2.64E-03	8.33E-07	3.53E-07	7.60E-04	2.40E-07	1.38E-08	8.00E-04	2.52E-07	1.92E-08	5.96E-07	3.59E-07
3677	477363.09, 3851377.25	4.63E-03	1.46E-06	6.20E-07	2.79E-03	8.82E-07	3.74E-07	8.35E-04	2.64E-07	1.52E-08	8.81E-04	2.78E-07	2.11E-08	6.26E-07	3.80E-07
3678	477863.09, 3851377.25	4.96E-03	1.56E-06	6.64E-07	3.02E-03	9.54E-07	4.05E-07	9.41E-04	2.97E-07	1.71E-08	9.99E-04	3.15E-07	2.39E-08	6.71E-07	4.11E-07
3679	478363.09, 3851377.25	5.40E-03	1.71E-06	7.24E-07	3.33E-03	1.05E-06	4.46E-07	1.09E-03	3.44E-07	1.98E-08	1.16E-03	3.66E-07	2.78E-08	7.32E-07	4.54E-07
3680	478863.09, 3851377.25	6.03E-03	1.90E-06	8.08E-07	3.79E-03	1.20E-06	5.07E-07	1.32E-03	4.17E-07	2.40E-08	1.40E-03	4.42E-07	3.35E-08	8.18E-07	5.17E-07
3681	479363.09, 3851377.25	7.01E-03	2.21E-06	9.38E-07	4.51E-03	1.42E-06	6.04E-07	1.71E-03	5.38E-07	3.10E-08	1.81E-03	5.70E-07	4.32E-08	9.51E-07	6.17E-07
3682	479863.09, 3851377.25	9.13E-03	2.88E-06	1.22E-06	6.06E-03	1.91E-06	8.11E-07	2.50E-03	7.88E-07	4.53E-08	2.65E-03	8.37E-07	6.35E-08	1.24E-06	8.29E-07
3683	480363.09, 3851377.25	1.70E-02	5.37E-06	2.28E-06	1.18E-02	3.72E-06	1.58E-06	5.43E-03	1.71E-06	9.85E-08	5.74E-03	1.81E-06	1.38E-07	2.32E-06	1.62E-06
3684	480863.09, 3851377.25	1.32E-01	4.16E-05	1.77E-05	9.51E-02	3.00E-05	1.27E-05	4.79E-02	1.51E-05	8.69E-07	5.09E-02	1.61E-05	1.22E-06	1.80E-05	1.31E-05
3685	481363.09, 3851377.25	3.04E-02	9.58E-06	4.07E-06	2.04E-02	6.45E-06	2.74E-06	8.76E-03	2.76E-06	1.59E-07	9.24E-03	2.92E-06	2.21E-07	4.13E-06	2.80E-06
3686	481863.09, 3851377.25	1.72E-02	5.44E-06	2.31E-06	1.11E-02	3.51E-06	1.49E-06	4.23E-03	1.33E-06	7.67E-08	4.47E-03	1.41E-06	1.07E-07	2.34E-06	1.52E-06

3687	482363.09, 3851377.25	1.30E-02	4.09E-06	1.74E-06	8.09E-03	2.55E-06	1.08E-06	2.76E-03	8.72E-07	5.02E-08	2.91E-03	9.19E-07	6.97E-08	1.75E-06	1.10E-06
3688	482863.09, 3851377.25	1.01E-02	3.19E-06	1.35E-06	6.14E-03	1.94E-06	8.23E-07	1.90E-03	6.01E-07	3.46E-08	2.02E-03	6.38E-07	4.84E-08	1.37E-06	8.37E-07
3689	483363.09, 3851377.25	8.01E-03	2.53E-06	1.07E-06	4.84E-03	1.53E-06	6.48E-07	1.46E-03	4.60E-07	2.64E-08	1.55E-03	4.88E-07	3.71E-08	1.08E-06	6.59E-07
3690	483863.09, 3851377.25	7.03E-03	2.22E-06	9.42E-07	4.23E-03	1.33E-06	5.66E-07	1.24E-03	3.93E-07	2.26E-08	1.32E-03	4.18E-07	3.17E-08	9.51E-07	5.75E-07
3691	484363.09, 3851377.25	7.16E-03	2.26E-06	9.59E-07	4.28E-03	1.35E-06	5.74E-07	1.23E-03	3.90E-07	2.24E-08	1.32E-03	4.16E-07	3.16E-08	9.69E-07	5.83E-07
3692	484863.09, 3851377.25	6.24E-03	1.97E-06	8.35E-07	3.70E-03	1.17E-06	4.95E-07	1.03E-03	3.25E-07	1.87E-08	1.10E-03	3.46E-07	2.62E-08	8.42E-07	5.03E-07
3693	485363.09, 3851377.25	6.56E-03	2.07E-06	8.79E-07	3.87E-03	1.22E-06	5.18E-07	1.05E-03	3.31E-07	1.90E-08	1.12E-03	3.54E-07	2.69E-08	8.87E-07	5.26E-07
3694	485863.09, 3851377.25	6.14E-03	1.94E-06	8.22E-07	3.59E-03	1.13E-06	4.81E-07	9.32E-04	2.94E-07	1.69E-08	9.96E-04	3.14E-07	2.39E-08	8.29E-07	4.88E-07
3695	486363.09, 3851377.25	6.16E-03	1.94E-06	8.25E-07	3.58E-03	1.13E-06	4.79E-07	9.02E-04	2.85E-07	1.64E-08	9.65E-04	3.04E-07	2.31E-08	8.31E-07	4.86E-07
3696	486863.09, 3851377.25	5.88E-03	1.86E-06	7.87E-07	3.40E-03	1.07E-06	4.56E-07	8.40E-04	2.65E-07	1.52E-08	8.98E-04	2.83E-07	2.15E-08	7.94E-07	4.62E-07
3697	487363.09, 3851377.25	5.40E-03	1.70E-06	7.23E-07	3.11E-03	9.83E-07	4.17E-07	7.55E-04	2.38E-07	1.37E-08	8.08E-04	2.55E-07	1.94E-08	7.28E-07	4.23E-07
3698	487863.09, 3851377.25	5.47E-03	1.73E-06	7.33E-07	3.14E-03	9.91E-07	4.20E-07	7.36E-04	2.32E-07	1.34E-08	7.90E-04	2.49E-07	1.89E-08	7.38E-07	4.26E-07
3699	488363.09, 3851377.25	5.47E-03	1.73E-06	7.33E-07	3.12E-03	9.85E-07	4.18E-07	7.05E-04	2.22E-07	1.28E-08	7.56E-04	2.39E-07	1.81E-08	7.38E-07	4.23E-07
3700	488863.09, 3851377.25	5.44E-03	1.72E-06	7.29E-07	3.08E-03	9.72E-07	4.12E-07	6.69E-04	2.11E-07	1.21E-08	7.20E-04	2.27E-07	1.72E-08	7.34E-07	4.18E-07
3701	489363.09, 3851377.25	5.39E-03	1.70E-06	7.22E-07	3.04E-03	9.58E-07	4.07E-07	6.38E-04	2.01E-07	1.16E-08	6.87E-04	2.17E-07	1.65E-08	7.27E-07	4.11E-07
3702	489863.09, 3851377.25	5.33E-03	1.68E-06	7.13E-07	2.98E-03	9.41E-07	3.99E-07	6.05E-04	1.91E-07	1.10E-08	6.53E-04	2.06E-07	1.56E-08	7.18E-07	4.04E-07
3703	490363.09, 3851377.25	5.29E-03	1.67E-06	7.08E-07	2.95E-03	9.30E-07	3.95E-07	5.76E-04	1.82E-07	1.05E-08	6.24E-04	1.97E-07	1.49E-08	7.13E-07	3.99E-07
3704	490863.09, 3851377.25	5.23E-03	1.65E-06	7.00E-07	2.90E-03	9.14E-07	3.88E-07	5.48E-04	1.73E-07	9.95E-09	5.94E-04	1.88E-07	1.42E-08	7.04E-07	3.92E-07
3705	491363.09, 3851377.25	5.10E-03	1.61E-06	6.84E-07	2.82E-03	8.89E-07	3.77E-07	5.17E-04	1.63E-07	9.38E-09	5.63E-04	1.78E-07	1.35E-08	6.88E-07	3.81E-07
3706	491863.09, 3851377.25	5.00E-03	1.58E-06	6.70E-07	2.75E-03	8.68E-07	3.68E-07	4.90E-04	1.55E-07	8.90E-09	5.34E-04	1.68E-07	1.28E-08	6.74E-07	3.72E-07
3707	492363.09, 3851377.25	4.98E-03	1.57E-06	6.67E-07	2.73E-03	8.61E-07	3.65E-07	4.70E-04	1.48E-07	8.53E-09	5.11E-04	1.61E-07	1.22E-08	6.71E-07	3.69E-07
3708	492863.09, 3851377.25	4.93E-03	1.56E-06	6.60E-07	2.69E-03	8.48E-07	3.60E-07	4.46E-04	1.41E-07	8.10E-09	4.86E-04	1.54E-07	1.17E-08	6.63E-07	3.63E-07
3709	493363.09, 3851377.25	4.65E-03	1.47E-06	6.23E-07	2.53E-03	7.98E-07	3.39E-07	4.10E-04	1.30E-07	7.45E-09	4.46E-04	1.41E-07	1.07E-08	6.26E-07	3.42E-07
3710	493863.09, 3851377.25	4.83E-03	1.53E-06	6.47E-07	2.62E-03	8.27E-07	3.51E-07	4.14E-04	1.31E-07	7.51E-09	4.51E-04	1.42E-07	1.08E-08	6.50E-07	3.54E-07
3711	494363.09, 3851377.25	5.26E-03	1.66E-06	7.04E-07	2.84E-03	8.96E-07	3.80E-07	4.34E-04	1.37E-07	7.88E-09	4.73E-04	1.49E-07	1.13E-08	7.07E-07	3.84E-07
3712	494863.09, 3851377.25	5.35E-03	1.69E-06	7.16E-07	2.88E-03	9.08E-07	3.85E-07	4.28E-04	1.35E-07	7.76E-09	4.68E-04	1.48E-07	1.12E-08	7.19E-07	3.89E-07
3713	495363.09, 3851377.25	5.74E-03	1.81E-06	7.68E-07	3.08E-03	9.72E-07	4.12E-07	4.43E-04	1.40E-07	8.05E-09	4.88E-04	1.54E-07	1.17E-08	7.72E-07	4.16E-07
3714	495863.09, 3851377.25	5.86E-03	1.85E-06	7.84E-07	3.14E-03	9.90E-07	4.20E-07	4.40E-04	1.39E-07	7.99E-09	4.85E-04	1.53E-07	1.16E-08	7.88E-07	4.23E-07
3715	496363.09, 3851377.25	5.91E-03	1.86E-06	7.91E-07	3.16E-03	9.96E-07	4.23E-07	4.34E-04	1.37E-07	7.88E-09	4.78E-04	1.51E-07	1.15E-08	7.95E-07	4.26E-07
3716	496863.09, 3851377.25	5.90E-03	1.86E-06	7.90E-07	3.15E-03	9.93E-07	4.21E-07	4.26E-04	1.34E-07	7.73E-09	4.68E-04	1.48E-07	1.12E-08	7.94E-07	4.25E-07
3717	497363.09, 3851377.25	5.85E-03	1.85E-06	7.84E-07	3.12E-03	9.84E-07	4.17E-07	4.17E-04	1.32E-07	7.56E-09	4.59E-04	1.45E-07	1.10E-08	7.87E-07	4.21E-07
3718	497863.09, 3851377.25	5.76E-03	1.82E-06	7.71E-07	3.06E-03	9.67E-07	4.10E-07	4.06E-04	1.28E-07	7.36E-09	4.47E-04	1.41E-07	1.07E-08	7.74E-07	4.14E-07
3719	498363.09, 3851377.25	5.60E-03	1.77E-06	7.50E-07	2.98E-03	9.39E-07	3.99E-07	3.88E-04	1.23E-07	7.05E-09	4.26E-04	1.34E-07	1.02E-08	7.53E-07	4.02E-07
3720	471363.09, 3851877.25	2.87E-03	9.05E-07	3.84E-07	1.59E-03	5.01E-07	2.12E-07	2.96E-04	9.34E-08	5.37E-09	3.13E-04	9.89E-08	7.51E-09	3.86E-07	2.15E-07
3721	471863.09, 3851877.25	2.91E-03	9.19E-07	3.90E-07	1.61E-03	5.08E-07	2.15E-07	2.98E-04	9.39E-08	5.40E-09	3.17E-04	9.99E-08	7.59E-09	3.92E-07	2.18E-07
3722	472363.09, 3851877.25	3.03E-03	9.56E-07	4.05E-07	1.68E-03	5.31E-07	2.25E-07	3.24E-04	1.02E-07	5.89E-09	3.46E-04	1.09E-07	8.29E-09	4.08E-07	2.28E-07
3723	472863.09, 3851877.25	3.14E-03	9.92E-07	4.21E-07	1.76E-03	5.54E-07	2.35E-07	3.49E-04	1.10E-07	6.34E-09	3.72E-04	1.17E-07	8.92E-09	4.23E-07	2.38E-07
3724	473363.09, 3851877.25	3.17E-03	1.00E-06	4.25E-07	1.76E-03	5.57E-07	2.36E-07	3.40E-04	1.07E-07	6.17E-09	3.62E-04	1.14E-07	8.68E-09	4.27E-07	2.39E-07
3725	473863.09, 3851877.25	3.24E-03	1.02E-06	4.34E-07	1.80E-03	5.68E-07	2.41E-07	3.48E-04	1.10E-07	6.31E-09	3.72E-04	1.17E-07	8.92E-09	4.36E-07	2.44E-07
3726	474363.09, 3851877.25	3.41E-03	1.08E-06	4.56E-07	1.91E-03	6.04E-07	2.56E-07	3.95E-04	1.25E-07	7.17E-09	4.21E-04	1.33E-07	1.01E-08	4.59E-07	2.59E-07
3727	474863.09, 3851877.25	3.60E-03	1.14E-06	4.82E-07	2.04E-03	6.45E-07	2.74E-07	4.50E-04	1.42E-07	8.16E-09	4.78E-04	1.51E-07	1.15E-08	4.86E-07	2.77E-07
3728	475363.09, 3851877.25	3.76E-03	1.19E-06	5.04E-07	2.15E-03	6.79E-07	2.88E-07	4.92E-04	1.55E-07	8.93E-09	5.22E-04	1.65E-07	1.25E-08	5.08E-07	2.92E-07
3729	475863.09, 3851877.25	3.96E-03	1.25E-06	5.30E-07	2.27E-03	7.17E-07	3.04E-07	5.36E-04	1.69E-07	9.73E-09	5.66E-04	1.79E-07	1.36E-08	5.34E-07	3.08E-07
3730	476363.09, 3851877.25	4.15E-03	1.31E-06	5.55E-07	2.38E-03	7.51E-07	3.19E-07	5.59E-04	1.77E-07	1.02E-08	5.93E-04	1.87E-07	1.42E-08	5.59E-07	3.23E-07
3731	476863.09, 3851877.25	4.36E-03	1.38E-06	5.83E-07	2.52E-03	7.95E-07	3.37E-07	6.17E-04	1.95E-07	1.12E-08	6.55E-04	2.07E-07	1.57E-08	5.88E-07	3.42E-07
3732	477363.09, 3851877.25	4.57E-03	1.44E-06	6.12E-07	2.66E-03	8.40E-07	3.56E-07	6.77E-04	2.14E-07	1.23E-08	7.18E-04	2.27E-07	1.72E-08	6.17E-07	3.61E-07
3733	477863.09, 3851877.25	4.81E-03	1.52E-06	6.43E-07	2.82E-03	8.89E-07	3.77E-07	7.43E-04	2.34E-07	1.35E-08	7.87E-04	2.48E-07	1.88E-08	6.49E-07	3.83E-07
3734	478363.09, 3851877.25	5.08E-03	1.60E-06	6.80E-07	3.00E-03	9.45E-07	4.01E-07	8.08E-04	2.55E-07	1.47E-08	8.59E-04	2.71E-07	2.06E-08	6.86E-07	4.07E-07
3735	478863.09, 3851877.25	5.34E-03	1.69E-06	7.15E-07	3.20E-03	1.01E-06	4.28E-07	9.27E-04	2.93E-07	1.68E-08	9.91E-04	3.13E-07	2.37E-08	7.22E-07	4.35E-07
3736	479363.09, 3851877.25	5.68E-03	1.79E-06	7.60E-07	3.47E-03	1.10E-06	4.65E-07	1.10E-03	3.46E-07	1.99E-08	1.17E-03	3.68E-07	2.80E-08	7.69E-07	4.73E-07
3737	479863.09, 3851877.25	6.28E-03	1.98E-06	8.40E-07	3.92E-03	1.24E-06	5.24E-07	1.33E-03	4.21E-07	2.42E-08	1.41E-03	4.46E-07	3.39E-08	8.50E-07	5.34E-07
3738	480363.09, 3851877.25	7.44E-03	2.35E-06	9.96E-07	4.74E-03	1.50E-06	6.35E-07	1.74E-03	5.49E-07	3.16E-08	1.85E-03	5.83E-07	4.42E-08	1.01E-06	6.48E-07
3739	480863.09, 3851877.25	9.93E-03	3.13E-06	1.33E-06	6.59E-03	2.08E-06	8.82E-07	2.72E-03	8.59E-07	4.94E-08	2.87E-03	9.05E-07	6.87E-08	1.35E-06	9.02E-07
3740	481363.09, 3851877.25	3.29E-02	1.04E-05	4.41E-06	2.39E-02	7.55E-06	3.20E-06	1.22E-02	3.86E-06	2.22E-07	1.29E-02	4.08E-06	3.10E-07	4.50E-06	3.29E-06
3741	481863.09, 3851877.25	2.60E-02	8.21E-06	3.48E-06	1.81E-02	5.72E-06	2.43E-06	8.45E-03	2.67E-06	1.53E-07	8.87E-03	2.80E-06	2.12E-07	3.54E-06	2.49E-06
3742	482363.09, 3851877.25	1.52E-02	4.80E-06	2.04E-06	9.56E-03	3.02E-06	1.28E-06	3.36E-03	1.06E-06	6.09E-08	3.54E-03	1.12E-06	8.47E-08	2.06E-06	1.30E-06
3743	482863.09, 3851877.25	1.10E-02	3.48E-06	1.48E-06	6.70E-03	2.11E-06	8.97E-07	2.07E-03	6.54E-07	3.76E-08	2.20E-03	6.95E-07	5.27E-08	1.49E-06	9.12E-07
3744	483363.09, 3851877.25	9.60E-03	3.03E-06	1.29E-06	5.79E-03	1.83E-06	7.75E-07	1.73E-03	5.45E-07	3.13E-08	1.84E-03	5.82E-07	4.42E-08	1.30E-06	7.88E-07
3745	483863.09, 3851877.25	8.54E-03	2.69E-06	1.14E-06	5.09E-03	1.61E-06	6.81E-07	1.45E-03	4.57E-07	2.63E-08	1.55E-03	4.90E-07	3.72E-08	1.15E-06	6.92E-07
3746	484363.09, 3851877.25	8.18E-03	2.58E-06	1.10E-06	4.85E-03	1.53E-06	6.50E-07	1.35E-03	4.25E-07	2.45E-08	1.45E-03	4.57E-07	3.47E-08	1.11E-06	6.60E-07
3747	484863.09, 3851877.25	7.65E-03	2.41E-06	1.02E-06	4.49E-03	1.42E-06	6.01E-07	1.19E-03	3.74E-07	2.15E-08	1.27E-03	4.02E-07	3.05E-08	1.03E-06	6.10E-07
3748	485363.09, 3851877.25	7.48E-03	2.36E-06	1.00E-06	4.35E-03	1.37E-06	5.83E-07	1.10E-03	3.48E-07	2.00E-08	1.19E-03	3.75E-07	2.84E-08	1.01E-06	5.91E-07
3749	485863.09, 3851877.25	7.37E-03	2.33E-06	9.87E-07	4.25E-03	1.34E-06	5.69E-07	1.03E-03	3.24E-07	1.86E-08	1.11E-03	3.50E-07	2.66E-08	9.95E-07	5.77E-07
3750	486363.09, 3851877.25	7.04E-03	2.22E-06	9.43E-07	4.02E-03	1.27E-06	5.39E-07	9.23E-04	2.91E-07	1.67E-08	9.96E-04	3.14E-07	2.39E-08	9.50E-07	5.46E-07
3751	486863.09, 3851877.25	6.81E-03	2.15E-06	9.12E-07	3.87E-03	1.22E-06	5.18E-07	8.63E-04	2.72E-07	1.57E-08	9.32E-04	2.94E-07	2.23E-08	9.18E-07	5.25E-07
3752	487363.09, 3851877.25	6.58E-03	2.08E-06	8.81E-07	3.73E-03	1.18E-06	4.99E-07	8.10E-04	2.56E-07	1.47E-08	8.77E-04	2.77E-07	2.10E-08	8.87E-07	5.05E-07
3753	487863.09, 3851877.25	6.19E-03	1.95E-06	8.28E-07	3.49E-03	1.10E-06	4.67E-07	7.35E-04	2.32E-07	1.33E-08	7.93E-04	2.50E-07	1.90E-08	8.34E-07	4.72E-07
3754	488363.09, 3851877.25	6.18E-03	1.95E-06	8.28E-07	3.46E-03	1.09E-06	4.63E-07	6.99E-04	2.21E-07	1.27E-08	7.57E-04	2.39E-07	1.81E-08	8.33E-07	4.69E-07
3755	488863.09, 3851877.25	6.00E-03	1.89E-06	8.03E-07	3.34E-03	1.05E-06	4.47E-07	6.52E-04	2.06E-07	1.18E-08	7.08E-04	2.24E-07	1.70E-08	8.09E-07	4.53E-07
3756	489363.09, 3851877.25	5.86E-03	1.85E-06	7.84E-07	3.24E-03	1.02E-06	4.35E-07	6.11E-04	1.93E-07	1.11E-08	6.66E-04	2.10E-07	1.60E-08	7.89E-07	4.39E-07
3757	489863.09, 3851877.25	5.79E-03	1.83E-06	7.75E-07	3.19E-03	1.01E-06	4.27E-07	5.80E-04	1.83E-07	1.05E-08	6.32E-04	1.99E-07	1.51E-08	7.80E-07	4.32E-07
3758	490363.09, 3851877.25	5.82E-03	1.84E-06	7.79E-07	3.19E-03	1.01E-06	4.27E-07	5.58E-04	1.76E-07	1.01E-08	6.10E-04	1.93E-07	1.46E-08	7.83E-07	4.32E-07
3759	490863.09, 3851877.25	5.89E-03	1.86E-06	7.89E-07	3.22E-03	1.01E-06	4.31E-07	5.40E-04	1.71E-07	9.81E-09	5.94E-04	1.88E-07	1.42E-08	7.93E-07	4.35E-07
3760	491363.09, 3851877.25	5.97E-03	1.88E-06	8.00E-07	3.25E-03	1.02E-06	4.35E-07	5.28E-04	1.67E-07	9.58E-09	5.83E-04	1.84E-07	1.40E-08	8.04E-07	4.39E-07
3761	491863.09, 3851877.25	6.01E-03	1.90E-06	8.05E-07	3.26E-03	1.03E-06	4.36E-07	5.14E-04	1.62E-07	9.33E-09	5.66E-04	1.79E-07	1.36E-08	8.09E-07	4.41E-07
3762	492363.09, 3851877.25	5.89E-03	1.86E-06	7.89E-07	3.18E-03	1.00E-06	4.26E-07	4.89E-04	1.54E-07	8.87E-09	5.40E-04	1.71E-07	1.29E-08	7.93E-07	4.30E-07
3763	492863.09, 3851877.25	5.47E-03	1.73E-06	7.33E-07	2.95E-03	9.30E-07	3.95E-07	4.40E-04	1.39E-07	7.99E-09	4.85E-04	1.53E-07	1.16E-08	7.37E-07	3.98E-07
3764	493363.09, 3851877.25	5.94E-03	1.88E-06	7.96E-07	3.19E-03	1.01E-06	4.28E-07	4.64E-04	1.46E-07	8.42E-09	5.13E-04	1.62E-07	1.23E-08	8.00E-07	4.31E-07
3765	493863.09, 3851877.25	6.46E-03	2.04E-06	8.66E-07	3.46E-03	1.09E-06	4.63E-07	4.86E-04	1.53E-07	8.82E-09	5.39E-04	1.70E-07	1.29E-08	8.70E-07	4.67E-07
3766	494363.09, 3851877.25	6.33E-03	2.00E-06	8.47E-07	3.38E-03	1.07E-06	4.53E-07	4.65E-04	1.47E-07	8.45E-09	5.16E-04	1.63E-07	1.24E-08	8.51E-07	4.57E-07
3767	494863.09, 3851877.25	6.64E-03	2.10E-06	8.89E-07	3.54E-03	1.12E-06	4.74E-07	4.72E-04	1.49E-07	8.56E-09	5.26E-04	1.66E-07	1.26E-08	8.93E-07	4.78E-07
3768	495363.09, 3851877.25	6.81E-03	2.15E-06	9.12E-07	3.62E-03	1.14E-06	4.84E-07	4.72E-04	1.49E-07	8.56E-09	5.24E-04	1.65E-07	1.26E-08	9.16E-07	4.88E-07
3769	495863.09, 3851877.25	6.87E-03	2.17E-06	9.20E-07	3.65E-03	1.15E-06	4.88E-07	4.65E-04	1.47E-07	8.45E-09	5.19E-04	1.64E-07	1.24E-08	9.24E-07	4.92E-07
3770	496363.09, 3851877.25	6.79E-03	2.14E-06	9.10E-07	3.60E-03	1.14E-06	4.82E-07	4.54E-04	1.43E-07	8.25E-09	5.06E-04	1.60E-07	1.21E-08	9.14E-07	4.86E-07
3771	496863.09, 3851877.25	6.69E-03	2.11E-06	8.95E-07	3.54E-03	1.12E-06	4.74E-07	4.42E-04	1.39E-07	8.02E-09	4.91E-04	1.55E-07	1.18E-08	8.99E-07	4.78E-07
3772	497363.09, 3851877.25	6.55E-03	2.07E-06	8.77E-07	3.46E-03	1.09E-06	4.64E-07	4.29E-04	1.35E-07	7.79E-09	4.77E-04	1.50E-07	1.14E-08	8.81E-07	4.68E-07
3773	497863.09, 3851877.25	6.28E-03	1.98E-06	8.41E-07	3.32E-03	1.05E-06	4.45E-07	4.09E-04	1.29E-07	7.42E-09	4.52E-04	1.43E-07	1.08E-08	8.44E-07	4.48E-07
3774	498363.09, 3851877.25	6.05E-03	1.91E-06	8.11E-07	3.20E-03	1.01E-06	4.28E-07	3.92E-04	1.24E-07	7.11E-09	4.31E-04	1.36E-07	1.03E-08	8.14E-07	4.32E-07
3775	471363.09, 3852377.25	2.86E-03	9.04E-07	3.83E-07	1.56E-03	4.93E-07	2.09E-07	2.60E-04	8.21E-08	4.72E-09	2.74E-04	8.65E-08	6.57E-09	3.85E-07	2.11E-07
3776	471863.09, 3852377.25	3.00E-03	9.47E-07	4.02E-07	1.64E-03	5.19E-07	2.20E-07	2.82E-04	8.90E-08	5.12E-09	2.99E-04	9.43E-08	7.16E-09	4.04E-07	2.22E-07

3777	472363.09, 3852377.25	3.11E-03	9.80E-07	4.16E-07	1.70E-03	5.38E-07	2.28E-07	2.99E-04	9.44E-08	5.43E-09	3.15E-04	9.94E-08	7.55E-09	4.18E-07	2.30E-07
3778	472863.09, 3852377.25	3.21E-03	1.01E-06	4.30E-07	1.77E-03	5.57E-07	2.36E-07	3.15E-04	9.94E-08	5.72E-09	3.33E-04	1.05E-07	7.98E-09	4.32E-07	2.39E-07
3779	473363.09, 3852377.25	3.31E-03	1.04E-06	4.43E-07	1.82E-03	5.75E-07	2.44E-07	3.27E-04	1.03E-07	5.94E-09	3.46E-04	1.09E-07	8.29E-09	4.45E-07	2.46E-07
3780	473863.09, 3852377.25	3.40E-03	1.07E-06	4.55E-07	1.87E-03	5.90E-07	2.50E-07	3.34E-04	1.05E-07	6.06E-09	3.54E-04	1.12E-07	8.49E-09	4.58E-07	2.53E-07
3781	474363.09, 3852377.25	3.48E-03	1.10E-06	4.66E-07	1.91E-03	6.04E-07	2.56E-07	3.41E-04	1.08E-07	6.20E-09	3.64E-04	1.15E-07	8.72E-09	4.68E-07	2.59E-07
3782	474863.09, 3852377.25	3.72E-03	1.18E-06	4.99E-07	2.07E-03	6.54E-07	2.78E-07	4.04E-04	1.28E-07	7.34E-09	4.31E-04	1.36E-07	1.03E-08	5.02E-07	2.81E-07
3783	475363.09, 3852377.25	3.85E-03	1.22E-06	5.16E-07	2.15E-03	6.78E-07	2.88E-07	4.20E-04	1.33E-07	7.62E-09	4.51E-04	1.42E-07	1.08E-08	5.19E-07	2.91E-07
3784	475863.09, 3852377.25	3.99E-03	1.26E-06	5.34E-07	2.22E-03	7.02E-07	2.98E-07	4.37E-04	1.38E-07	7.93E-09	4.68E-04	1.48E-07	1.12E-08	5.37E-07	3.01E-07
3785	476363.09, 3852377.25	4.13E-03	1.30E-06	5.53E-07	2.30E-03	7.26E-07	3.08E-07	4.51E-04	1.42E-07	8.19E-09	4.83E-04	1.52E-07	1.16E-08	5.56E-07	3.11E-07
3786	476863.09, 3852377.25	4.33E-03	1.37E-06	5.80E-07	2.42E-03	7.65E-07	3.25E-07	4.92E-04	1.55E-07	8.93E-09	5.24E-04	1.65E-07	1.26E-08	5.83E-07	3.28E-07
3787	477363.09, 3852377.25	4.52E-03	1.43E-06	6.05E-07	2.53E-03	8.00E-07	3.39E-07	5.15E-04	1.63E-07	9.36E-09	5.47E-04	1.73E-07	1.31E-08	6.09E-07	3.43E-07
3788	477863.09, 3852377.25	4.56E-03	1.44E-06	6.11E-07	2.53E-03	8.00E-07	3.39E-07	4.86E-04	1.53E-07	8.82E-09	5.19E-04	1.64E-07	1.24E-08	6.15E-07	3.43E-07
3789	478363.09, 3852377.25	4.61E-03	1.46E-06	6.17E-07	2.55E-03	8.06E-07	3.42E-07	4.79E-04	1.51E-07	8.70E-09	5.14E-04	1.62E-07	1.23E-08	6.21E-07	3.46E-07
3790	478863.09, 3852377.25	5.07E-03	1.60E-06	6.78E-07	2.85E-03	8.98E-07	3.81E-07	5.87E-04	1.85E-07	1.07E-08	6.30E-04	1.99E-07	1.51E-08	6.83E-07	3.85E-07
3791	479363.09, 3852377.25	5.43E-03	1.71E-06	7.28E-07	3.08E-03	9.74E-07	4.13E-07	6.81E-04	2.15E-07	1.24E-08	7.33E-04	2.31E-07	1.76E-08	7.33E-07	4.18E-07
3792	479863.09, 3852377.25	5.85E-03	1.85E-06	7.83E-07	3.43E-03	1.08E-06	4.59E-07	8.99E-04	2.84E-07	1.63E-08	9.66E-04	3.05E-07	2.31E-08	7.90E-07	4.66E-07
3793	480363.09, 3852377.25	6.36E-03	2.01E-06	8.52E-07	3.85E-03	1.22E-06	5.16E-07	1.17E-03	3.68E-07	2.12E-08	1.24E-03	3.91E-07	2.97E-08	8.60E-07	5.24E-07
3794	480863.09, 3852377.25	7.33E-03	2.31E-06	9.82E-07	4.55E-03	1.44E-06	6.09E-07	1.52E-03	4.79E-07	2.76E-08	1.61E-03	5.09E-07	3.86E-08	9.93E-07	6.20E-07
3795	481363.09, 3852377.25	9.83E-03	3.10E-06	1.32E-06	6.39E-03	2.02E-06	8.55E-07	2.48E-03	7.82E-07	4.50E-08	2.62E-03	8.26E-07	6.27E-08	1.33E-06	8.73E-07
3796	481863.09, 3852377.25	3.79E-02	1.19E-05	5.07E-06	2.75E-02	8.69E-06	3.69E-06	1.41E-02	4.45E-06	2.56E-07	1.49E-02	4.72E-06	3.58E-07	5.17E-06	3.79E-06
3797	482363.09, 3852377.25	2.56E-02	8.07E-06	3.42E-06	1.75E-02	5.53E-06	2.35E-06	7.87E-03	2.48E-06	1.43E-07	8.25E-03	2.60E-06	1.98E-07	3.48E-06	2.40E-06
3798	482863.09, 3852377.25	1.48E-02	4.67E-06	1.98E-06	9.36E-03	2.95E-06	1.25E-06	3.33E-03	1.05E-06	6.05E-08	3.55E-03	1.12E-06	8.51E-08	2.01E-06	1.28E-06
3799	483363.09, 3852377.25	1.17E-02	3.70E-06	1.57E-06	7.02E-03	2.22E-06	9.41E-07	2.04E-03	6.45E-07	3.71E-08	2.20E-03	6.94E-07	5.27E-08	1.58E-06	9.56E-07
3800	483863.09, 3852377.25	1.00E-02	3.16E-06	1.34E-06	5.89E-03	1.86E-06	7.89E-07	1.57E-03	4.97E-07	2.86E-08	1.70E-03	5.36E-07	4.07E-08	1.35E-06	8.01E-07
3801	484363.09, 3852377.25	9.60E-03	3.03E-06	1.29E-06	5.60E-03	1.77E-06	7.50E-07	1.44E-03	4.54E-07	2.61E-08	1.56E-03	4.93E-07	3.74E-08	1.30E-06	7.61E-07
3802	484863.09, 3852377.25	9.28E-03	2.93E-06	1.24E-06	5.37E-03	1.69E-06	7.19E-07	1.32E-03	4.15E-07	2.39E-08	1.43E-03	4.52E-07	3.43E-08	1.25E-06	7.29E-07
3803	485363.09, 3852377.25	9.07E-03	2.86E-06	1.21E-06	5.20E-03	1.64E-06	6.96E-07	1.21E-03	3.82E-07	2.20E-08	1.32E-03	4.18E-07	3.17E-08	1.22E-06	7.06E-07
3804	485863.09, 3852377.25	8.81E-03	2.78E-06	1.18E-06	4.98E-03	1.57E-06	6.67E-07	1.07E-03	3.38E-07	1.95E-08	1.18E-03	3.71E-07	2.82E-08	1.19E-06	6.76E-07
3805	486363.09, 3852377.25	8.36E-03	2.64E-06	1.12E-06	4.68E-03	1.48E-06	6.26E-07	9.37E-04	2.96E-07	1.70E-08	1.03E-03	3.25E-07	2.46E-08	1.13E-06	6.34E-07
3806	486863.09, 3852377.25	8.06E-03	2.54E-06	1.08E-06	4.48E-03	1.41E-06	6.00E-07	8.63E-04	2.72E-07	1.57E-08	9.48E-04	2.99E-07	2.27E-08	1.09E-06	6.07E-07
3807	487363.09, 3852377.25	7.64E-03	2.41E-06	1.02E-06	4.23E-03	1.33E-06	5.66E-07	7.88E-04	2.49E-07	1.43E-08	8.67E-04	2.74E-07	2.08E-08	1.03E-06	5.73E-07
3808	487863.09, 3852377.25	7.26E-03	2.29E-06	9.72E-07	4.00E-03	1.26E-06	5.35E-07	7.22E-04	2.28E-07	1.31E-08	7.97E-04	2.51E-07	1.91E-08	9.78E-07	5.41E-07
3809	488363.09, 3852377.25	6.94E-03	2.19E-06	9.30E-07	3.81E-03	1.20E-06	5.10E-07	6.67E-04	2.11E-07	1.21E-08	7.38E-04	2.33E-07	1.77E-08	9.35E-07	5.16E-07
3810	488863.09, 3852377.25	6.63E-03	2.09E-06	8.88E-07	3.62E-03	1.14E-06	4.85E-07	6.14E-04	1.94E-07	1.11E-08	6.81E-04	2.15E-07	1.63E-08	8.93E-07	4.90E-07
3811	489363.09, 3852377.25	6.46E-03	2.04E-06	8.65E-07	3.52E-03	1.11E-06	4.71E-07	5.75E-04	1.81E-07	1.04E-08	6.38E-04	2.01E-07	1.53E-08	8.70E-07	4.76E-07
3812	489863.09, 3852377.25	6.14E-03	1.94E-06	8.23E-07	3.33E-03	1.05E-06	4.46E-07	5.31E-04	1.68E-07	9.64E-09	5.91E-04	1.86E-07	1.42E-08	8.27E-07	4.51E-07
3813	490363.09, 3852377.25	6.46E-03	2.04E-06	8.66E-07	3.49E-03	1.10E-06	4.68E-07	5.36E-04	1.69E-07	9.73E-09	5.97E-04	1.89E-07	1.43E-08	8.70E-07	4.72E-07
3814	490863.09, 3852377.25	6.69E-03	2.11E-06	8.96E-07	3.60E-03	1.14E-06	4.82E-07	5.33E-04	1.68E-07	9.67E-09	5.96E-04	1.88E-07	1.43E-08	9.01E-07	4.87E-07
3815	491363.09, 3852377.25	7.25E-03	2.29E-06	9.71E-07	3.89E-03	1.23E-06	5.21E-07	5.51E-04	1.74E-07	1.00E-08	6.20E-04	1.96E-07	1.49E-08	9.76E-07	5.25E-07
3816	491863.09, 3852377.25	7.33E-03	2.31E-06	9.81E-07	3.91E-03	1.24E-06	5.24E-07	5.39E-04	1.70E-07	9.78E-09	6.07E-04	1.92E-07	1.45E-08	9.86E-07	5.29E-07
3817	492363.09, 3852377.25	7.34E-03	2.32E-06	9.83E-07	3.91E-03	1.23E-06	5.24E-07	5.25E-04	1.66E-07	9.53E-09	5.91E-04	1.86E-07	1.42E-08	9.88E-07	5.29E-07
3818	492863.09, 3852377.25	7.53E-03	2.38E-06	1.01E-06	4.00E-03	1.26E-06	5.36E-07	5.22E-04	1.65E-07	9.47E-09	5.89E-04	1.86E-07	1.41E-08	1.01E-06	5.41E-07
3819	493363.09, 3852377.25	7.88E-03	2.49E-06	1.06E-06	4.18E-03	1.32E-06	5.60E-07	5.29E-04	1.67E-07	9.61E-09	6.01E-04	1.90E-07	1.44E-08	1.06E-06	5.64E-07
3820	493863.09, 3852377.25	7.81E-03	2.46E-06	1.05E-06	4.13E-03	1.30E-06	5.53E-07	5.14E-04	1.62E-07	9.33E-09	5.81E-04	1.83E-07	1.39E-08	1.05E-06	5.58E-07
3821	494363.09, 3852377.25	7.74E-03	2.44E-06	1.04E-06	4.09E-03	1.29E-06	5.48E-07	5.00E-04	1.58E-07	9.07E-09	5.65E-04	1.78E-07	1.35E-08	1.04E-06	5.52E-07
3822	494863.09, 3852377.25	7.91E-03	2.50E-06	1.06E-06	4.17E-03	1.32E-06	5.59E-07	5.00E-04	1.58E-07	9.07E-09	5.65E-04	1.78E-07	1.35E-08	1.06E-06	5.63E-07
3823	495363.09, 3852377.25	8.05E-03	2.54E-06	1.08E-06	4.24E-03	1.34E-06	5.68E-07	4.98E-04	1.57E-07	9.04E-09	5.65E-04	1.78E-07	1.35E-08	1.08E-06	5.72E-07
3824	495863.09, 3852377.25	7.85E-03	2.48E-06	1.05E-06	4.13E-03	1.30E-06	5.54E-07	4.82E-04	1.52E-07	8.76E-09	5.45E-04	1.72E-07	1.31E-08	1.06E-06	5.58E-07
3825	496363.09, 3852377.25	7.64E-03	2.41E-06	1.02E-06	4.02E-03	1.27E-06	5.38E-07	4.65E-04	1.47E-07	8.45E-09	5.24E-04	1.65E-07	1.26E-08	1.03E-06	5.43E-07
3826	496863.09, 3852377.25	7.48E-03	2.36E-06	1.00E-06	3.93E-03	1.24E-06	5.27E-07	4.53E-04	1.43E-07	8.22E-09	5.09E-04	1.61E-07	1.22E-08	1.01E-06	5.31E-07
3827	497363.09, 3852377.25	7.11E-03	2.24E-06	9.52E-07	3.74E-03	1.18E-06	5.01E-07	4.31E-04	1.36E-07	7.82E-09	4.82E-04	1.52E-07	1.15E-08	9.56E-07	5.05E-07
3828	497863.09, 3852377.25	6.70E-03	2.11E-06	8.97E-07	3.52E-03	1.11E-06	4.72E-07	4.06E-04	1.28E-07	7.36E-09	4.51E-04	1.42E-07	1.08E-08	9.01E-07	4.75E-07
3829	498363.09, 3852377.25	6.35E-03	2.00E-06	8.50E-07	3.34E-03	1.05E-06	4.47E-07	3.85E-04	1.22E-07	7.00E-09	4.24E-04	1.34E-07	1.02E-08	8.53E-07	4.50E-07
3830	471363.09, 3852877.25	2.94E-03	9.29E-07	3.94E-07	1.59E-03	5.03E-07	2.14E-07	2.52E-04	7.96E-08	4.58E-09	2.66E-04	8.40E-08	6.37E-09	3.96E-07	2.15E-07
3831	471863.09, 3852877.25	3.07E-03	9.69E-07	4.11E-07	1.67E-03	5.26E-07	2.23E-07	2.68E-04	8.45E-08	4.86E-09	2.82E-04	8.91E-08	6.76E-09	4.13E-07	2.25E-07
3832	472363.09, 3852877.25	3.18E-03	1.00E-06	4.26E-07	1.73E-03	5.47E-07	2.32E-07	2.82E-04	8.90E-08	5.12E-09	2.97E-04	9.38E-08	7.12E-09	4.28E-07	2.34E-07
3833	472863.09, 3852877.25	3.28E-03	1.04E-06	4.39E-07	1.79E-03	5.64E-07	2.39E-07	2.95E-04	9.30E-08	5.35E-09	3.10E-04	9.79E-08	7.43E-09	4.42E-07	2.41E-07
3834	473363.09, 3852877.25	3.41E-03	1.08E-06	4.57E-07	1.86E-03	5.87E-07	2.49E-07	3.10E-04	9.79E-08	5.63E-09	3.28E-04	1.04E-07	7.86E-09	4.59E-07	2.51E-07
3835	473863.09, 3852877.25	3.54E-03	1.12E-06	4.75E-07	1.94E-03	6.12E-07	2.59E-07	3.29E-04	1.04E-07	5.97E-09	3.48E-04	1.10E-07	8.33E-09	4.77E-07	2.62E-07
3836	474363.09, 3852877.25	3.69E-03	1.17E-06	4.95E-07	2.02E-03	6.39E-07	2.71E-07	3.49E-04	1.10E-07	6.34E-09	3.69E-04	1.16E-07	8.84E-09	4.97E-07	2.74E-07
3837	474863.09, 3852877.25	3.77E-03	1.19E-06	5.05E-07	2.06E-03	6.49E-07	2.75E-07	3.43E-04	1.08E-07	6.23E-09	3.62E-04	1.14E-07	8.68E-09	5.07E-07	2.78E-07
3838	475363.09, 3852877.25	3.95E-03	1.25E-06	5.29E-07	2.16E-03	6.82E-07	2.90E-07	3.68E-04	1.16E-07	6.68E-09	3.90E-04	1.23E-07	9.35E-09	5.32E-07	2.92E-07
3839	475863.09, 3852877.25	4.09E-03	1.29E-06	5.48E-07	2.24E-03	7.06E-07	3.00E-07	3.81E-04	1.20E-07	6.91E-09	4.06E-04	1.28E-07	9.74E-09	5.51E-07	3.03E-07
3840	476363.09, 3852877.25	4.19E-03	1.32E-06	5.61E-07	2.29E-03	7.21E-07	3.06E-07	3.81E-04	1.20E-07	6.91E-09	4.08E-04	1.29E-07	9.78E-09	5.64E-07	3.09E-07
3841	476863.09, 3852877.25	4.21E-03	1.33E-06	5.63E-07	2.29E-03	7.22E-07	3.06E-07	3.71E-04	1.17E-07	6.74E-09	4.02E-04	1.27E-07	9.62E-09	5.66E-07	3.09E-07
3842	477363.09, 3852877.25	4.25E-03	1.34E-06	5.69E-07	2.31E-03	7.28E-07	3.09E-07	3.70E-04	1.17E-07	6.71E-09	3.97E-04	1.25E-07	9.50E-09	5.72E-07	3.12E-07
3843	477863.09, 3852877.25	4.25E-03	1.34E-06	5.69E-07	2.30E-03	7.27E-07	3.08E-07	3.62E-04	1.14E-07	6.57E-09	3.87E-04	1.22E-07	9.27E-09	5.72E-07	3.11E-07
3844	478363.09, 3852877.25	4.06E-03	1.28E-06	5.43E-07	2.19E-03	6.92E-07	2.94E-07	3.40E-04	1.07E-07	6.17E-09	3.61E-04	1.14E-07	8.64E-09	5.46E-07	2.96E-07
3845	478863.09, 3852877.25	4.41E-03	1.39E-06	5.90E-07	2.39E-03	7.55E-07	3.20E-07	3.81E-04	1.20E-07	6.91E-09	4.08E-04	1.29E-07	9.78E-09	5.93E-07	3.23E-07
3846	479363.09, 3852877.25	5.09E-03	1.61E-06	6.81E-07	2.77E-03	8.76E-07	3.72E-07	4.62E-04	1.46E-07	8.39E-09	4.98E-04	1.57E-07	1.19E-08	6.85E-07	3.75E-07
3847	479863.09, 3852877.25	5.99E-03	1.89E-06	8.03E-07	3.33E-03	1.05E-06	4.46E-07	6.34E-04	2.00E-07	1.15E-08	6.90E-04	2.18E-07	1.65E-08	8.08E-07	4.51E-07
3848	480363.09, 3852877.25	6.48E-03	2.05E-06	8.68E-07	3.72E-03	1.17E-06	4.99E-07	8.77E-04	2.77E-07	1.59E-08	9.48E-04	2.99E-07	2.27E-08	8.75E-07	5.05E-07
3849	480863.09, 3852877.25	7.20E-03	2.27E-06	9.65E-07	4.21E-03	1.33E-06	5.64E-07	1.09E-03	3.44E-07	1.98E-08	1.17E-03	3.68E-07	2.79E-08	9.73E-07	5.72E-07
3850	481363.09, 3852877.25	8.40E-03	2.65E-06	1.13E-06	5.05E-03	1.59E-06	6.76E-07	1.48E-03	4.67E-07	2.68E-08	1.57E-03	4.97E-07	3.77E-08	1.14E-06	6.86E-07
3851	481863.09, 3852877.25	1.15E-02	3.63E-06	1.54E-06	7.19E-03	2.27E-06	9.63E-07	2.48E-03	7.83E-07	4.50E-08	2.63E-03	8.29E-07	6.30E-08	1.56E-06	9.81E-07
3852	482363.09, 3852877.25	4.82E-02	1.52E-05	6.46E-06	3.45E-02	1.09E-05	4.61E-06	1.70E-02	5.37E-06	3.09E-07	1.80E-02	5.70E-06	4.32E-07	6.58E-06	4.74E-06
3853	482863.09, 3852877.25	2.74E-02	8.66E-06	3.67E-06	1.81E-02	5.70E-06	2.42E-06	7.30E-03	2.30E-06	1.33E-07	7.75E-03	2.45E-06	1.86E-07	3.73E-06	2.47E-06
3854	483363.09, 3852877.25	1.67E-02	5.26E-06	2.23E-06	1.01E-02	3.18E-06	1.35E-06	3.05E-03	9.64E-07	5.54E-08	3.30E-03	1.04E-06	7.90E-08	2.26E-06	1.37E-06
3855	483863.09, 3852877.25	1.35E-02	4.26E-06	1.81E-06	7.71E-03	2.43E-06	1.03E-06	1.76E-03	5.57E-07	3.20E-08	1.93E-03	6.10E-07	4.63E-08	1.82E-06	1.05E-06
3856	484363.09, 3852877.25	1.24E-02	3.92E-06	1.66E-06	7.07E-03	2.23E-06	9.47E-07	1.58E-03	4.98E-07	2.87E-08	1.75E-03	5.53E-07	4.20E-08	1.68E-06	9.60E-07
3857	484863.09, 3852877.25	1.18E-02	3.74E-06	1.58E-06	6.68E-03	2.11E-06	8.94E-07	1.42E-03	4.47E-07	2.57E-08	1.59E-03	5.01E-07	3.80E-08	1.60E-06	9.06E-07
3858	485363.09, 3852877.25	1.10E-02	3.48E-06	1.48E-06	6.09E-03	1.92E-06	8.15E-07	1.12E-03	3.53E-07	2.03E-08	1.26E-03	3.96E-07	3.01E-08	1.49E-06	8.25E-07
3859	485863.09, 3852877.25	1.05E-02	3.30E-06	1.40E-06	5.72E-03	1.81E-06	7.66E-07	9.79E-04	3.09E-07	1.78E-08	1.11E-03	3.49E-07	2.65E-08	1.41E-06	7.75E-07
3860	486363.09, 3852877.25	9.82E-03	3.10E-06	1.31E-06	5.34E-03	1.69E-06	7.15E-07	8.69E-04	2.74E-07	1.58E-08	9.84E-04	3.11E-07	2.36E-08	1.32E-06	7.23E-07
3861	486863.09, 3852877.25	9.45E-03	2.98E-06	1.27E-06	5.12E-03	1.62E-06	6.85E-07	8.05E-04	2.54E-07	1.46E-08	9.14E-04	2.88E-07	2.19E-08	1.27E-06	6.93E-07
3862	487363.09, 3852877.25	8.83E-03	2.79E-06	1.18E-06	4.77E-03	1.51E-06	6.39E-07	7.35E-04	2.32E-07	1.33E-08	8.36E-04	2.64E-07	2.00E-08	1.19E-06	6.45E-07
3863	487863.09, 3852877.25	8.43E-03	2.66E-06	1.13E-06	4.55E-03	1.43E-06	6.09E-07	6.83E-04	2.16E-07	1.24E-08	7.79E-04	2.46E-07	1.87E-08	1.14E-06	6.15E-07
3864	488363.09, 3852877.25	7.12E-03	2.25E-06	9.53E-07	3.83E-03	1.21E-06	5.13E-07	5.72E-04	1.80E-07	1.04E-08	6.50E-04	2.05E-07	1.56E-08	9.58E-07	5.18E-07
3865	488863.09, 3852877.25	7.40E-03	2.34E-06	9.91E-07	3.97E-03	1.25E-06	5.32E-07	5.69E-04	1.79E-07	1.03E-08	6.48E-04	2.05E-07	1.55E-08	9.96E-07	5.37E-07
3866	489363.09, 3852877.25	7.45E-03	2.35E-06	9.98E-07	3.98E-03	1.26E-06	5.33E-07	5.53E-04	1.75E-07	1.00E-08	6.32E-04	1.99E-07	1.51E-08	1.00E-06	5.39E-07

3867	489863.09, 3852877.25	7.46E-03	2.35E-06	9.99E-07	3.98E-03	1.26E-06	5.33E-07	5.37E-04	1.70E-07	9.75E-09	6.15E-04	1.94E-07	1.47E-08	1.00E-06	5.38E-07
3868	490363.09, 3852877.25	8.44E-03	2.66E-06	1.13E-06	4.48E-03	1.41E-06	6.00E-07	5.78E-04	1.82E-07	1.05E-08	6.66E-04	2.10E-07	1.60E-08	1.14E-06	6.06E-07
3869	490863.09, 3852877.25	8.80E-03	2.78E-06	1.18E-06	4.66E-03	1.47E-06	6.24E-07	5.80E-04	1.83E-07	1.05E-08	6.71E-04	2.12E-07	1.61E-08	1.18E-06	6.29E-07
3870	491363.09, 3852877.25	9.07E-03	2.86E-06	1.21E-06	4.79E-03	1.51E-06	6.41E-07	5.80E-04	1.83E-07	1.05E-08	6.73E-04	2.12E-07	1.61E-08	1.22E-06	6.47E-07
3871	491863.09, 3852877.25	9.11E-03	2.87E-06	1.22E-06	4.80E-03	1.52E-06	6.43E-07	5.70E-04	1.80E-07	1.04E-08	6.59E-04	2.08E-07	1.58E-08	1.23E-06	6.48E-07
3872	492363.09, 3852877.25	9.21E-03	2.91E-06	1.23E-06	4.85E-03	1.53E-06	6.49E-07	5.62E-04	1.77E-07	1.02E-08	6.53E-04	2.06E-07	1.56E-08	1.24E-06	6.54E-07
3873	492863.09, 3852877.25	9.47E-03	2.99E-06	1.27E-06	4.97E-03	1.57E-06	6.66E-07	5.64E-04	1.78E-07	1.02E-08	6.58E-04	2.08E-07	1.58E-08	1.27E-06	6.72E-07
3874	493363.09, 3852877.25	9.56E-03	3.02E-06	1.28E-06	5.02E-03	1.58E-06	6.72E-07	5.61E-04	1.77E-07	1.02E-08	6.53E-04	2.06E-07	1.56E-08	1.29E-06	6.77E-07
3875	493863.09, 3852877.25	9.45E-03	2.98E-06	1.27E-06	4.95E-03	1.56E-06	6.63E-07	5.45E-04	1.72E-07	9.90E-09	6.33E-04	2.00E-07	1.52E-08	1.27E-06	6.68E-07
3876	494363.09, 3852877.25	9.36E-03	2.95E-06	1.25E-06	4.90E-03	1.55E-06	6.56E-07	5.33E-04	1.68E-07	9.67E-09	6.17E-04	1.95E-07	1.48E-08	1.26E-06	6.61E-07
3877	494863.09, 3852877.25	9.33E-03	2.94E-06	1.25E-06	4.88E-03	1.54E-06	6.53E-07	5.25E-04	1.66E-07	9.53E-09	6.06E-04	1.91E-07	1.45E-08	1.25E-06	6.58E-07
3878	495363.09, 3852877.25	9.02E-03	2.85E-06	1.21E-06	4.72E-03	1.49E-06	6.31E-07	5.04E-04	1.59E-07	9.16E-09	5.79E-04	1.83E-07	1.39E-08	1.21E-06	6.36E-07
3879	495863.09, 3852877.25	8.70E-03	2.74E-06	1.16E-06	4.55E-03	1.44E-06	6.09E-07	4.86E-04	1.53E-07	8.82E-09	5.55E-04	1.75E-07	1.33E-08	1.17E-06	6.13E-07
3880	496363.09, 3852877.25	8.57E-03	2.70E-06	1.15E-06	4.48E-03	1.41E-06	6.00E-07	4.76E-04	1.50E-07	8.64E-09	5.42E-04	1.71E-07	1.30E-08	1.15E-06	6.04E-07
3881	496863.09, 3852877.25	8.33E-03	2.63E-06	1.12E-06	4.35E-03	1.37E-06	5.83E-07	4.61E-04	1.45E-07	8.36E-09	5.24E-04	1.65E-07	1.26E-08	1.12E-06	5.87E-07
3882	497363.09, 3852877.25	7.66E-03	2.42E-06	1.03E-06	4.01E-03	1.26E-06	5.37E-07	4.29E-04	1.35E-07	7.79E-09	4.83E-04	1.52E-07	1.16E-08	1.03E-06	5.40E-07
3883	497863.09, 3852877.25	6.63E-03	2.09E-06	8.87E-07	3.47E-03	1.10E-06	4.65E-07	3.81E-04	1.20E-07	6.91E-09	4.19E-04	1.32E-07	1.00E-08	8.91E-07	4.68E-07
3884	498363.09, 3852877.25	6.43E-03	2.03E-06	8.62E-07	3.37E-03	1.06E-06	4.51E-07	3.70E-04	1.17E-07	6.71E-09	4.05E-04	1.28E-07	9.70E-09	8.65E-07	4.54E-07
3885	471363.09, 3853377.25	2.97E-03	9.38E-07	3.98E-07	1.60E-03	5.07E-07	2.15E-07	2.44E-04	7.71E-08	4.44E-09	2.58E-04	8.14E-08	6.18E-09	4.00E-07	2.17E-07
3886	471863.09, 3853377.25	3.10E-03	9.78E-07	4.15E-07	1.67E-03	5.28E-07	2.24E-07	2.55E-04	8.06E-08	4.64E-09	2.71E-04	8.55E-08	6.49E-09	4.17E-07	2.26E-07
3887	472363.09, 3853377.25	3.22E-03	1.02E-06	4.32E-07	1.74E-03	5.50E-07	2.33E-07	2.66E-04	8.41E-08	4.83E-09	2.82E-04	8.91E-08	6.76E-09	4.34E-07	2.35E-07
3888	472863.09, 3853377.25	3.35E-03	1.06E-06	4.49E-07	1.81E-03	5.72E-07	2.43E-07	2.79E-04	8.80E-08	5.06E-09	2.94E-04	9.27E-08	7.04E-09	4.51E-07	2.44E-07
3889	473363.09, 3853377.25	3.46E-03	1.09E-06	4.63E-07	1.87E-03	5.90E-07	2.50E-07	2.88E-04	9.10E-08	5.23E-09	3.05E-04	9.63E-08	7.31E-09	4.65E-07	2.52E-07
3890	473863.09, 3853377.25	3.58E-03	1.13E-06	4.80E-07	1.94E-03	6.11E-07	2.59E-07	2.99E-04	9.44E-08	5.43E-09	3.17E-04	9.99E-08	7.59E-09	4.82E-07	2.61E-07
3891	474363.09, 3853377.25	3.72E-03	1.17E-06	4.98E-07	2.01E-03	6.34E-07	2.69E-07	3.10E-04	9.79E-08	5.63E-09	3.26E-04	1.03E-07	7.82E-09	5.00E-07	2.71E-07
3892	474863.09, 3853377.25	3.83E-03	1.21E-06	5.12E-07	2.06E-03	6.51E-07	2.76E-07	3.10E-04	9.79E-08	5.63E-09	3.28E-04	1.04E-07	7.86E-09	5.15E-07	2.78E-07
3893	475363.09, 3853377.25	3.96E-03	1.25E-06	5.30E-07	2.13E-03	6.73E-07	2.86E-07	3.18E-04	1.00E-07	5.77E-09	3.36E-04	1.06E-07	8.05E-09	5.32E-07	2.88E-07
3894	475863.09, 3853377.25	4.11E-03	1.30E-06	5.50E-07	2.21E-03	6.98E-07	2.96E-07	3.27E-04	1.03E-07	5.94E-09	3.44E-04	1.09E-07	8.25E-09	5.53E-07	2.98E-07
3895	476363.09, 3853377.25	4.17E-03	1.32E-06	5.59E-07	2.24E-03	7.07E-07	3.00E-07	3.24E-04	1.02E-07	5.89E-09	3.41E-04	1.08E-07	8.17E-09	5.61E-07	3.02E-07
3896	476863.09, 3853377.25	4.08E-03	1.29E-06	5.46E-07	2.19E-03	6.90E-07	2.93E-07	3.13E-04	9.89E-08	5.69E-09	3.28E-04	1.04E-07	7.86E-09	5.48E-07	2.95E-07
3897	477363.09, 3853377.25	4.18E-03	1.32E-06	5.60E-07	2.24E-03	7.08E-07	3.00E-07	3.20E-04	1.01E-07	5.80E-09	3.38E-04	1.07E-07	8.09E-09	5.63E-07	3.03E-07
3898	477863.09, 3853377.25	4.35E-03	1.37E-06	5.82E-07	2.33E-03	7.35E-07	3.12E-07	3.29E-04	1.04E-07	5.97E-09	3.48E-04	1.10E-07	8.33E-09	5.85E-07	3.14E-07
3899	478363.09, 3853377.25	4.31E-03	1.36E-06	5.77E-07	2.30E-03	7.27E-07	3.08E-07	3.18E-04	1.00E-07	5.77E-09	3.36E-04	1.06E-07	8.05E-09	5.79E-07	3.11E-07
3900	478863.09, 3853377.25	4.18E-03	1.32E-06	5.60E-07	2.23E-03	7.05E-07	2.99E-07	3.07E-04	9.69E-08	5.57E-09	3.22E-04	1.01E-07	7.70E-09	5.62E-07	3.01E-07
3901	479363.09, 3853377.25	5.03E-03	1.59E-06	6.74E-07	2.69E-03	8.50E-07	3.61E-07	3.79E-04	1.20E-07	6.88E-09	4.03E-04	1.27E-07	9.66E-09	6.76E-07	3.63E-07
3902	479863.09, 3853377.25	6.05E-03	1.91E-06	8.10E-07	3.25E-03	1.03E-06	4.35E-07	4.73E-04	1.49E-07	8.59E-09	5.09E-04	1.61E-07	1.22E-08	8.14E-07	4.39E-07
3903	480363.09, 3853377.25	7.13E-03	2.25E-06	9.55E-07	3.89E-03	1.23E-06	5.21E-07	6.52E-04	2.06E-07	1.18E-08	7.05E-04	2.23E-07	1.69E-08	9.60E-07	5.26E-07
3904	480863.09, 3853377.25	7.92E-03	2.50E-06	1.06E-06	4.30E-03	1.36E-06	5.76E-07	6.91E-04	2.18E-07	1.25E-08	7.62E-04	2.41E-07	1.83E-08	1.07E-06	5.82E-07
3905	481363.09, 3853377.25	9.13E-03	2.88E-06	1.22E-06	5.10E-03	1.61E-06	6.82E-07	1.01E-03	3.17E-07	1.83E-08	1.08E-03	3.42E-07	2.60E-08	1.23E-06	6.90E-07
3906	481863.09, 3853377.25	1.16E-02	3.65E-06	1.55E-06	6.65E-03	2.10E-06	8.91E-07	1.58E-03	4.99E-07	2.87E-08	1.67E-03	5.26E-07	3.99E-08	1.56E-06	9.02E-07
3907	482363.09, 3853377.25	1.91E-02	6.03E-06	2.56E-06	1.13E-02	3.57E-06	1.51E-06	3.11E-03	9.81E-07	5.64E-08	3.23E-03	1.02E-06	7.74E-08	2.58E-06	1.54E-06
3908	482863.09, 3853377.25	8.91E-02	2.81E-05	1.19E-05	5.65E-02	1.78E-05	7.56E-06	2.03E-02	6.40E-06	3.68E-07	2.32E-02	7.32E-06	5.56E-07	1.21E-05	7.75E-06
3909	483363.09, 3853377.25	2.71E-02	8.57E-06	3.64E-06	1.58E-02	4.98E-06	2.11E-06	3.96E-03	1.25E-06	7.19E-08	4.48E-03	1.41E-06	1.07E-07	3.67E-06	2.15E-06
3910	483863.09, 3853377.25	2.04E-02	6.45E-06	2.74E-06	1.14E-02	3.61E-06	1.53E-06	2.32E-03	7.34E-07	4.22E-08	2.70E-03	8.53E-07	6.47E-08	2.76E-06	1.56E-06
3911	484363.09, 3853377.25	1.79E-02	5.64E-06	2.39E-06	9.85E-03	3.11E-06	1.32E-06	1.78E-03	5.62E-07	3.23E-08	2.12E-03	6.69E-07	5.08E-08	2.41E-06	1.34E-06
3912	484863.09, 3853377.25	1.66E-02	5.24E-06	2.22E-06	8.92E-03	2.82E-06	1.20E-06	1.30E-03	4.11E-07	2.36E-08	1.59E-03	5.01E-07	3.80E-08	2.24E-06	1.21E-06
3913	485363.09, 3853377.25	1.44E-02	4.55E-06	1.93E-06	7.66E-03	2.42E-06	1.03E-06	1.00E-03	3.16E-07	1.82E-08	1.22E-03	3.84E-07	2.91E-08	1.94E-06	1.04E-06
3914	485863.09, 3853377.25	1.19E-02	3.75E-06	1.59E-06	6.32E-03	2.00E-06	8.47E-07	8.41E-04	2.66E-07	1.53E-08	1.01E-03	3.20E-07	2.43E-08	1.60E-06	8.56E-07
3915	486363.09, 3853377.25	1.18E-02	3.74E-06	1.59E-06	6.28E-03	1.98E-06	8.41E-07	8.02E-04	2.53E-07	1.46E-08	9.71E-04	3.07E-07	2.33E-08	1.59E-06	8.50E-07
3916	486863.09, 3853377.25	1.16E-02	3.65E-06	1.55E-06	6.13E-03	1.93E-06	8.20E-07	7.58E-04	2.39E-07	1.38E-08	9.21E-04	2.91E-07	2.21E-08	1.56E-06	8.29E-07
3917	487363.09, 3853377.25	1.16E-02	3.67E-06	1.56E-06	6.14E-03	1.94E-06	8.22E-07	7.38E-04	2.33E-07	1.34E-08	9.01E-04	2.84E-07	2.16E-08	1.57E-06	8.30E-07
3918	487863.09, 3853377.25	1.15E-02	3.64E-06	1.54E-06	6.07E-03	1.92E-06	8.13E-07	7.14E-04	2.25E-07	1.30E-08	8.73E-04	2.76E-07	2.09E-08	1.55E-06	8.21E-07
3919	488363.09, 3853377.25	1.16E-02	3.67E-06	1.56E-06	6.11E-03	1.93E-06	8.18E-07	7.00E-04	2.21E-07	1.27E-08	8.57E-04	2.70E-07	2.05E-08	1.56E-06	8.25E-07
3920	488863.09, 3853377.25	1.15E-02	3.63E-06	1.54E-06	6.03E-03	1.90E-06	8.07E-07	6.74E-04	2.13E-07	1.22E-08	8.23E-04	2.60E-07	1.97E-08	1.55E-06	8.14E-07
3921	489363.09, 3853377.25	1.13E-02	3.57E-06	1.51E-06	5.92E-03	1.87E-06	7.93E-07	6.50E-04	2.05E-07	1.18E-08	7.93E-04	2.50E-07	1.90E-08	1.52E-06	8.00E-07
3922	489863.09, 3853377.25	1.10E-02	3.47E-06	1.47E-06	5.75E-03	1.82E-06	7.70E-07	6.25E-04	1.97E-07	1.13E-08	7.57E-04	2.39E-07	1.81E-08	1.48E-06	7.77E-07
3923	490363.09, 3853377.25	1.12E-02	3.54E-06	1.50E-06	5.86E-03	1.85E-06	7.84E-07	6.23E-04	1.97E-07	1.13E-08	7.56E-04	2.39E-07	1.81E-08	1.51E-06	7.91E-07
3924	490863.09, 3853377.25	1.13E-02	3.57E-06	1.51E-06	5.90E-03	1.86E-06	7.90E-07	6.16E-04	1.94E-07	1.12E-08	7.46E-04	2.35E-07	1.79E-08	1.52E-06	7.97E-07
3925	491363.09, 3853377.25	1.14E-02	3.59E-06	1.52E-06	5.93E-03	1.87E-06	7.95E-07	6.08E-04	1.92E-07	1.10E-08	7.35E-04	2.32E-07	1.76E-08	1.53E-06	8.01E-07
3926	491863.09, 3853377.25	1.13E-02	3.58E-06	1.52E-06	5.90E-03	1.86E-06	7.91E-07	5.98E-04	1.89E-07	1.09E-08	7.20E-04	2.27E-07	1.72E-08	1.52E-06	7.97E-07
3927	492363.09, 3853377.25	1.14E-02	3.60E-06	1.53E-06	5.94E-03	1.88E-06	7.96E-07	5.97E-04	1.88E-07	1.08E-08	7.17E-04	2.26E-07	1.72E-08	1.53E-06	8.02E-07
3928	492863.09, 3853377.25	1.15E-02	3.62E-06	1.53E-06	5.96E-03	1.88E-06	7.98E-07	5.95E-04	1.88E-07	1.08E-08	7.12E-04	2.25E-07	1.70E-08	1.54E-06	8.04E-07
3929	493363.09, 3853377.25	1.13E-02	3.57E-06	1.52E-06	5.89E-03	1.86E-06	7.88E-07	5.86E-04	1.85E-07	1.06E-08	6.97E-04	2.20E-07	1.67E-08	1.52E-06	7.94E-07
3930	493863.09, 3853377.25	1.12E-02	3.52E-06	1.49E-06	5.80E-03	1.83E-06	7.77E-07	5.75E-04	1.81E-07	1.04E-08	6.79E-04	2.14E-07	1.63E-08	1.50E-06	7.83E-07
3931	494363.09, 3853377.25	1.09E-02	3.43E-06	1.45E-06	5.64E-03	1.78E-06	7.55E-07	5.56E-04	1.76E-07	1.01E-08	6.53E-04	2.06E-07	1.56E-08	1.46E-06	7.61E-07
3932	494863.09, 3853377.25	1.05E-02	3.31E-06	1.40E-06	5.45E-03	1.72E-06	7.30E-07	5.36E-04	1.69E-07	9.73E-09	6.24E-04	1.97E-07	1.49E-08	1.41E-06	7.35E-07
3933	495363.09, 3853377.25	1.02E-02	3.23E-06	1.37E-06	5.32E-03	1.68E-06	7.12E-07	5.23E-04	1.65E-07	9.50E-09	6.06E-04	1.91E-07	1.45E-08	1.38E-06	7.17E-07
3934	495863.09, 3853377.25	9.87E-03	3.12E-06	1.32E-06	5.13E-03	1.62E-06	6.87E-07	5.06E-04	1.60E-07	9.18E-09	5.81E-04	1.83E-07	1.39E-08	1.33E-06	6.92E-07
3935	496363.09, 3853377.25	9.42E-03	2.97E-06	1.26E-06	4.90E-03	1.55E-06	6.56E-07	4.84E-04	1.53E-07	8.79E-09	5.52E-04	1.74E-07	1.32E-08	1.27E-06	6.61E-07
3936	496863.09, 3853377.25	8.80E-03	2.78E-06	1.18E-06	4.57E-03	1.44E-06	6.12E-07	4.53E-04	1.43E-07	8.22E-09	5.14E-04	1.62E-07	1.23E-08	1.18E-06	6.17E-07
3937	497363.09, 3853377.25	7.94E-03	2.50E-06	1.06E-06	4.13E-03	1.30E-06	5.53E-07	4.17E-04	1.32E-07	7.56E-09	4.67E-04	1.47E-07	1.12E-08	1.07E-06	5.57E-07
3938	497863.09, 3853377.25	6.53E-03	2.06E-06	8.75E-07	3.41E-03	1.08E-06	4.57E-07	3.54E-04	1.12E-07	6.43E-09	3.88E-04	1.23E-07	9.31E-09	8.78E-07	4.59E-07
3939	498363.09, 3853377.25	5.89E-03	1.86E-06	7.88E-07	3.07E-03	9.70E-07	4.12E-07	3.23E-04	1.02E-07	5.86E-09	3.51E-04	1.11E-07	8.41E-09	7.91E-07	4.14E-07
3940	471363.09, 3853877.25	2.93E-03	9.25E-07	3.92E-07	1.58E-03	4.98E-07	2.11E-07	2.37E-04	7.47E-08	4.29E-09	2.46E-04	7.78E-08	5.90E-09	3.94E-07	2.13E-07
3941	471863.09, 3853877.25	3.07E-03	9.69E-07	4.11E-07	1.65E-03	5.22E-07	2.21E-07	2.48E-04	7.81E-08	4.49E-09	2.60E-04	8.19E-08	6.22E-09	4.13E-07	2.23E-07
3942	472363.09, 3853877.25	3.21E-03	1.01E-06	4.29E-07	1.73E-03	5.44E-07	2.31E-07	2.55E-04	8.06E-08	4.64E-09	2.68E-04	8.45E-08	6.41E-09	4.31E-07	2.33E-07
3943	472863.09, 3853877.25	3.34E-03	1.06E-06	4.48E-07	1.80E-03	5.68E-07	2.41E-07	2.65E-04	8.36E-08	4.81E-09	2.79E-04	8.81E-08	6.69E-09	4.50E-07	2.43E-07
3944	473363.09, 3853877.25	3.46E-03	1.09E-06	4.64E-07	1.86E-03	5.87E-07	2.49E-07	2.71E-04	8.55E-08	4.92E-09	2.86E-04	9.02E-08	6.84E-09	4.66E-07	2.51E-07
3945	473863.09, 3853877.25	3.60E-03	1.14E-06	4.82E-07	1.93E-03	6.09E-07	2.58E-07	2.77E-04	8.75E-08	5.03E-09	2.94E-04	9.27E-08	7.04E-09	4.84E-07	2.60E-07
3946	474363.09, 3853877.25	3.76E-03	1.19E-06	5.04E-07	2.02E-03	6.36E-07	2.70E-07	2.87E-04	9.05E-08	5.20E-09	3.04E-04	9.58E-08	7.27E-09	5.06E-07	2.72E-07
3947	474863.09, 3853877.25	3.91E-03	1.23E-06	5.24E-07	2.09E-03	6.61E-07	2.80E-07	2.95E-04	9.30E-08	5.35E-09	3.10E-04	9.79E-08	7.43E-09	5.26E-07	2.82E-07
3948	475363.09, 3853877.25	4.00E-03	1.26E-06	5.36E-07	2.14E-03	6.75E-07	2.86E-07	2.93E-04	9.25E-08	5.32E-09	3.09E-04	9.74E-08	7.39E-09	5.38E-07	2.88E-07
3949	475863.09, 3853877.25	4.00E-03	1.26E-06	5.36E-07	2.13E-03	6.72E-07	2.85E-07	2.82E-04	8.90E-08	5.12E-09	2.97E-04	9.38E-08	7.12E-09	5.38E-07	2.87E-07
3950	476363.09, 3853877.25	3.88E-03	1.23E-06	5.20E-07	2.07E-03	6.53E-07	2.77E-07	2.76E-04	8.70E-08	5.00E-09	2.86E-04	9.02E-08	6.84E-09	5.22E-07	2.79E-07
3951	476863.09, 3853877.25	3.76E-03	1.19E-06	5.03E-07	2.00E-03	6.31E-07	2.68E-07	2.65E-04	8.36E-08	4.81E-09	2.71E-04	8.55E-08	6.49E-09	5.05E-07	2.70E-07
3952	477363.09, 3853877.25	4.04E-03	1.27E-06	5.41E-07	2.15E-03	6.78E-07	2.87E-07	2.80E-04	8.85E-08	5.09E-09	2.89E-04	9.12E-08	6.92E-09	5.43E-07	2.89E-07
3953	477863.09, 3853877.25	4.33E-03	1.37E-06	5.79E-07	2.30E-03	7.26E-07	3.08E-07	3.01E-04	9.49E-08	5.46E-09	3.09E-04	9.74E-08	7.39E-09	5.81E-07	3.10E-07
3954	478363.09, 3853877.25	4.56E-03	1.44E-06	6.10E-07	2.42E-03	7.64E-07	3.24E-07	3.10E-04	9.79E-08	5.63E-09	3.20E-04	1.01E-07	7.66E-09	6.13E-07	3.26E-07
3955	478863.09, 3853877.25	4.35E-03	1.37E-06	5.83E-07	2.30E-03	7.27E-07	3.08E-07	2.87E-04	9.05E-08	5.20E-09	2.94E-04	9.27E-08	7.04E-09	5.84E-07	3.10E-07
3956	479363.09, 3853877.25	4.99E-03	1.58E-06	6.69E-07	2.64E-03	8.34E-07	3.54E-07	3.26E-04	1.03E-07	5.91E-09	3.35E-04	1.06E-07	8.02E-09	6.71E-07	3.56E-07

3957	479863.09, 3853877.25	6.39E-03	2.02E-06	8.56E-07	3.38E-03	1.07E-06	4.53E-07	4.18E-04	1.32E-07	7.59E-09	4.41E-04	1.39E-07	1.06E-08	8.59E-07	4.56E-07
3958	480363.09, 3853877.25	7.65E-03	2.41E-06	1.02E-06	4.06E-03	1.28E-06	5.43E-07	5.15E-04	1.63E-07	9.36E-09	5.53E-04	1.75E-07	1.33E-08	1.03E-06	5.47E-07
3959	480863.09, 3853877.25	9.03E-03	2.85E-06	1.21E-06	4.85E-03	1.53E-06	6.49E-07	6.99E-04	2.21E-07	1.27E-08	7.46E-04	2.35E-07	1.79E-08	1.21E-06	6.54E-07
3960	481363.09, 3853877.25	1.06E-02	3.35E-06	1.42E-06	5.76E-03	1.82E-06	7.71E-07	9.04E-04	2.85E-07	1.64E-08	9.53E-04	3.01E-07	2.28E-08	1.43E-06	7.77E-07
3961	481863.09, 3853877.25	1.37E-02	4.33E-06	1.84E-06	7.54E-03	2.38E-06	1.01E-06	1.35E-03	4.25E-07	2.44E-08	1.32E-03	4.15E-07	3.15E-08	1.84E-06	1.02E-06
3962	482363.09, 3853877.25	2.28E-02	7.21E-06	3.06E-06	1.27E-02	3.99E-06	1.69E-06	2.39E-03	7.55E-07	4.34E-08	2.12E-03	6.70E-07	5.09E-08	3.06E-06	1.70E-06
3963	482863.09, 3853877.25	1.57E-01	4.95E-05	2.10E-05	1.04E-01	3.28E-05	1.39E-05	4.27E-02	1.35E-05	7.74E-07	1.17E-02	3.69E-06	2.80E-07	2.05E-05	1.34E-05
3964	483363.09, 3853877.25	7.70E-02	2.43E-05	1.03E-05	4.04E-02	1.28E-05	5.41E-06	4.59E-03	1.45E-06	8.33E-08	7.51E-03	2.37E-06	1.80E-07	1.04E-05	5.51E-06
3965	483863.09, 3853877.25	4.16E-02	1.31E-05	5.57E-06	2.20E-02	6.93E-06	2.94E-06	2.65E-03	8.36E-07	4.81E-08	4.11E-03	1.30E-06	9.85E-08	5.62E-06	2.99E-06
3966	484363.09, 3853877.25	3.13E-02	9.88E-06	4.19E-06	1.64E-02	5.17E-06	2.19E-06	1.75E-03	5.52E-07	3.18E-08	2.75E-03	8.68E-07	6.59E-08	4.23E-06	2.23E-06
3967	484863.09, 3853877.25	2.58E-02	8.15E-06	3.46E-06	1.34E-02	4.22E-06	1.79E-06	1.27E-03	4.01E-07	2.31E-08	1.94E-03	6.11E-07	4.64E-08	3.48E-06	1.82E-06
3968	485363.09, 3853877.25	1.94E-02	6.13E-06	2.60E-06	1.01E-02	3.18E-06	1.35E-06	9.41E-04	2.97E-07	1.71E-08	1.36E-03	4.30E-07	3.27E-08	2.62E-06	1.36E-06
3969	485863.09, 3853877.25	1.90E-02	6.01E-06	2.55E-06	9.83E-03	3.10E-06	1.32E-06	8.77E-04	2.77E-07	1.59E-08	1.27E-03	4.02E-07	3.05E-08	2.56E-06	1.33E-06
3970	486363.09, 3853877.25	1.75E-02	5.52E-06	2.34E-06	9.05E-03	2.86E-06	1.21E-06	8.18E-04	2.58E-07	1.48E-08	1.16E-03	3.66E-07	2.78E-08	2.36E-06	1.22E-06
3971	486863.09, 3853877.25	1.62E-02	5.13E-06	2.18E-06	8.41E-03	2.65E-06	1.13E-06	7.72E-04	2.44E-07	1.40E-08	1.07E-03	3.37E-07	2.56E-08	2.19E-06	1.14E-06
3972	487363.09, 3853877.25	1.60E-02	5.04E-06	2.14E-06	8.26E-03	2.61E-06	1.11E-06	7.60E-04	2.40E-07	1.38E-08	1.03E-03	3.27E-07	2.48E-08	2.15E-06	1.12E-06
3973	487863.09, 3853877.25	1.62E-02	5.11E-06	2.17E-06	8.37E-03	2.64E-06	1.12E-06	7.66E-04	2.42E-07	1.39E-08	1.04E-03	3.29E-07	2.50E-08	2.18E-06	1.13E-06
3974	488363.09, 3853877.25	1.59E-02	5.01E-06	2.13E-06	8.21E-03	2.59E-06	1.10E-06	7.50E-04	2.37E-07	1.36E-08	1.01E-03	3.18E-07	2.42E-08	2.14E-06	1.11E-06
3975	488863.09, 3853877.25	1.58E-02	4.99E-06	2.12E-06	8.17E-03	2.58E-06	1.09E-06	7.46E-04	2.35E-07	1.35E-08	9.96E-04	3.14E-07	2.39E-08	2.13E-06	1.10E-06
3976	489363.09, 3853877.25	1.51E-02	4.78E-06	2.03E-06	7.83E-03	2.47E-06	1.05E-06	7.06E-04	2.23E-07	1.28E-08	9.26E-04	2.92E-07	2.22E-08	2.04E-06	1.06E-06
3977	489863.09, 3853877.25	1.49E-02	4.71E-06	2.00E-06	7.72E-03	2.44E-06	1.03E-06	6.94E-04	2.19E-07	1.26E-08	8.96E-04	2.83E-07	2.15E-08	2.01E-06	1.04E-06
3978	490363.09, 3853877.25	1.45E-02	4.59E-06	1.95E-06	7.51E-03	2.37E-06	1.01E-06	6.70E-04	2.12E-07	1.22E-08	8.54E-04	2.69E-07	2.05E-08	1.95E-06	1.01E-06
3979	490863.09, 3853877.25	1.43E-02	4.52E-06	1.92E-06	7.39E-03	2.33E-06	9.90E-07	6.56E-04	2.07E-07	1.19E-08	8.28E-04	2.61E-07	1.98E-08	1.92E-06	9.98E-07
3980	491363.09, 3853877.25	1.41E-02	4.45E-06	1.89E-06	7.28E-03	2.30E-06	9.74E-07	6.47E-04	2.04E-07	1.17E-08	8.06E-04	2.54E-07	1.93E-08	1.89E-06	9.82E-07
3981	491863.09, 3853877.25	1.38E-02	4.36E-06	1.85E-06	7.13E-03	2.25E-06	9.55E-07	6.38E-04	2.01E-07	1.16E-08	7.87E-04	2.48E-07	1.88E-08	1.86E-06	9.62E-07
3982	492363.09, 3853877.25	1.37E-02	4.31E-06	1.83E-06	7.06E-03	2.23E-06	9.45E-07	6.38E-04	2.01E-07	1.16E-08	7.80E-04	2.46E-07	1.87E-08	1.84E-06	9.52E-07
3983	492863.09, 3853877.25	1.34E-02	4.24E-06	1.80E-06	6.95E-03	2.19E-06	9.31E-07	6.31E-04	1.99E-07	1.15E-08	7.64E-04	2.41E-07	1.83E-08	1.81E-06	9.38E-07
3984	493363.09, 3853877.25	1.31E-02	4.14E-06	1.76E-06	6.79E-03	2.14E-06	9.09E-07	6.14E-04	1.94E-07	1.11E-08	7.38E-04	2.33E-07	1.77E-08	1.76E-06	9.15E-07
3985	493863.09, 3853877.25	1.28E-02	4.03E-06	1.71E-06	6.60E-03	2.08E-06	8.84E-07	5.95E-04	1.88E-07	1.08E-08	7.08E-04	2.24E-07	1.70E-08	1.72E-06	8.90E-07
3986	494363.09, 3853877.25	1.24E-02	3.93E-06	1.67E-06	6.43E-03	2.03E-06	8.61E-07	5.81E-04	1.83E-07	1.05E-08	6.86E-04	2.16E-07	1.64E-08	1.67E-06	8.67E-07
3987	494863.09, 3853877.25	1.20E-02	3.80E-06	1.61E-06	6.22E-03	1.96E-06	8.33E-07	5.61E-04	1.77E-07	1.02E-08	6.56E-04	2.07E-07	1.57E-08	1.62E-06	8.38E-07
3988	495363.09, 3853877.25	1.12E-02	3.54E-06	1.50E-06	5.80E-03	1.83E-06	7.76E-07	5.25E-04	1.66E-07	9.53E-09	6.07E-04	1.92E-07	1.45E-08	1.51E-06	7.81E-07
3989	495863.09, 3853877.25	1.04E-02	3.28E-06	1.39E-06	5.39E-03	1.70E-06	7.21E-07	4.95E-04	1.56E-07	8.99E-09	5.66E-04	1.79E-07	1.36E-08	1.40E-06	7.26E-07
3990	496363.09, 3853877.25	9.89E-03	3.12E-06	1.32E-06	5.12E-03	1.62E-06	6.86E-07	4.75E-04	1.50E-07	8.62E-09	5.39E-04	1.70E-07	1.29E-08	1.33E-06	6.90E-07
3991	496863.09, 3853877.25	8.98E-03	2.83E-06	1.20E-06	4.65E-03	1.47E-06	6.23E-07	4.40E-04	1.39E-07	7.99E-09	4.95E-04	1.56E-07	1.18E-08	1.21E-06	6.27E-07
3992	497363.09, 3853877.25	8.23E-03	2.60E-06	1.10E-06	4.27E-03	1.35E-06	5.72E-07	4.12E-04	1.30E-07	7.48E-09	4.57E-04	1.44E-07	1.09E-08	1.11E-06	5.76E-07
3993	497863.09, 3853877.25	7.28E-03	2.30E-06	9.74E-07	3.78E-03	1.19E-06	5.07E-07	3.74E-04	1.18E-07	6.80E-09	4.10E-04	1.29E-07	9.81E-09	9.77E-07	5.10E-07
3994	498363.09, 3853877.25	6.75E-03	2.13E-06	9.03E-07	3.51E-03	1.11E-06	4.70E-07	3.49E-04	1.10E-07	6.34E-09	3.82E-04	1.21E-07	9.15E-09	9.06E-07	4.73E-07
3995	471363.09, 3854377.25	2.84E-03	8.95E-07	3.80E-07	1.53E-03	4.82E-07	2.05E-07	2.29E-04	7.22E-08	4.15E-09	2.38E-04	7.52E-08	5.71E-09	3.81E-07	2.06E-07
3996	471863.09, 3854377.25	2.97E-03	9.39E-07	3.98E-07	1.60E-03	5.06E-07	2.15E-07	2.40E-04	7.56E-08	4.35E-09	2.50E-04	7.88E-08	5.98E-09	4.00E-07	2.16E-07
3997	472363.09, 3854377.25	3.11E-03	9.81E-07	4.16E-07	1.67E-03	5.28E-07	2.24E-07	2.48E-04	7.81E-08	4.49E-09	2.58E-04	8.14E-08	6.18E-09	4.18E-07	2.26E-07
3998	472863.09, 3854377.25	3.24E-03	1.02E-06	4.34E-07	1.74E-03	5.49E-07	2.33E-07	2.52E-04	7.96E-08	4.58E-09	2.64E-04	8.35E-08	6.33E-09	4.36E-07	2.35E-07
3999	473363.09, 3854377.25	3.40E-03	1.07E-06	4.56E-07	1.83E-03	5.76E-07	2.45E-07	2.62E-04	8.26E-08	4.75E-09	2.73E-04	8.60E-08	6.53E-09	4.58E-07	2.46E-07
4000	473863.09, 3854377.25	3.58E-03	1.13E-06	4.80E-07	1.92E-03	6.06E-07	2.57E-07	2.71E-04	8.55E-08	4.92E-09	2.84E-04	8.96E-08	6.80E-09	4.82E-07	2.59E-07
4001	474363.09, 3854377.25	3.76E-03	1.19E-06	5.04E-07	2.01E-03	6.35E-07	2.69E-07	2.79E-04	8.80E-08	5.06E-09	2.92E-04	9.22E-08	7.00E-09	5.06E-07	2.71E-07
4002	474863.09, 3854377.25	3.88E-03	1.22E-06	5.20E-07	2.07E-03	6.52E-07	2.77E-07	2.74E-04	8.65E-08	4.98E-09	2.87E-04	9.07E-08	6.88E-09	5.22E-07	2.79E-07
4003	475363.09, 3854377.25	3.92E-03	1.24E-06	5.25E-07	2.08E-03	6.56E-07	2.78E-07	2.62E-04	8.26E-08	4.75E-09	2.74E-04	8.65E-08	6.57E-09	5.27E-07	2.80E-07
4004	475863.09, 3854377.25	3.60E-03	1.14E-06	4.82E-07	1.91E-03	6.01E-07	2.55E-07	2.37E-04	7.47E-08	4.29E-09	2.45E-04	7.73E-08	5.87E-09	4.84E-07	2.57E-07
4005	476363.09, 3854377.25	3.58E-03	1.13E-06	4.79E-07	1.89E-03	5.98E-07	2.54E-07	2.38E-04	7.52E-08	4.32E-09	2.45E-04	7.73E-08	5.87E-09	4.81E-07	2.55E-07
4006	476863.09, 3854377.25	3.68E-03	1.16E-06	4.93E-07	1.95E-03	6.15E-07	2.61E-07	2.44E-04	7.71E-08	4.44E-09	2.50E-04	7.88E-08	5.98E-09	4.95E-07	2.63E-07
4007	477363.09, 3854377.25	3.80E-03	1.20E-06	5.09E-07	2.01E-03	6.35E-07	2.70E-07	2.52E-04	7.96E-08	4.58E-09	2.58E-04	8.14E-08	6.18E-09	5.11E-07	2.71E-07
4008	477863.09, 3854377.25	4.01E-03	1.27E-06	5.37E-07	2.12E-03	6.69E-07	2.84E-07	2.63E-04	8.31E-08	4.78E-09	2.68E-04	8.45E-08	6.41E-09	5.38E-07	2.86E-07
4009	478363.09, 3854377.25	4.40E-03	1.39E-06	5.90E-07	2.33E-03	7.34E-07	3.12E-07	2.84E-04	8.95E-08	5.15E-09	2.87E-04	9.07E-08	6.88E-09	5.92E-07	3.13E-07
4010	478863.09, 3854377.25	4.75E-03	1.50E-06	6.36E-07	2.51E-03	7.91E-07	3.35E-07	2.98E-04	9.39E-08	5.40E-09	3.00E-04	9.48E-08	7.19E-09	6.38E-07	3.37E-07
4011	479363.09, 3854377.25	5.72E-03	1.80E-06	7.66E-07	3.00E-03	9.48E-07	4.02E-07	3.43E-04	1.08E-07	6.23E-09	3.51E-04	1.11E-07	8.41E-09	7.68E-07	4.04E-07
4012	479863.09, 3854377.25	6.71E-03	2.12E-06	8.99E-07	3.51E-03	1.11E-06	4.70E-07	3.81E-04	1.20E-07	6.91E-09	3.95E-04	1.25E-07	9.46E-09	9.01E-07	4.73E-07
4013	480363.09, 3854377.25	8.15E-03	2.57E-06	1.09E-06	4.26E-03	1.34E-06	5.70E-07	4.53E-04	1.43E-07	8.22E-09	4.73E-04	1.49E-07	1.13E-08	1.09E-06	5.73E-07
4014	480863.09, 3854377.25	1.02E-02	3.21E-06	1.36E-06	5.33E-03	1.68E-06	7.13E-07	5.84E-04	1.84E-07	1.06E-08	6.09E-04	1.92E-07	1.46E-08	1.37E-06	7.17E-07
4015	481363.09, 3854377.25	1.23E-02	3.89E-06	1.65E-06	6.50E-03	2.05E-06	8.70E-07	7.80E-04	2.46E-07	1.42E-08	7.85E-04	2.48E-07	1.88E-08	1.65E-06	8.75E-07
4016	481863.09, 3854377.25	1.59E-02	5.03E-06	2.13E-06	8.54E-03	2.70E-06	1.14E-06	1.23E-03	3.87E-07	2.22E-08	1.05E-03	3.31E-07	2.51E-08	2.14E-06	1.15E-06
4017	482363.09, 3854377.25	2.64E-02	8.33E-06	3.54E-06	1.42E-02	4.48E-06	1.90E-06	2.08E-03	6.55E-07	3.77E-08	1.41E-03	4.44E-07	3.37E-08	3.53E-06	1.90E-06
4018	482863.09, 3854377.25	1.52E-01	4.79E-05	2.03E-05	9.45E-02	2.98E-05	1.27E-05	3.19E-02	1.01E-05	5.79E-07	2.45E-03	7.73E-07	5.87E-08	1.98E-05	1.21E-05
4019	483363.09, 3854377.25	1.57E-01	4.94E-05	2.10E-05	7.98E-02	2.52E-05	1.07E-05	5.53E-03	1.74E-06	1.00E-07	9.25E-03	2.92E-06	2.22E-07	2.11E-05	1.08E-05
4020	483863.09, 3854377.25	9.68E-02	3.05E-05	1.30E-05	4.88E-02	1.54E-05	6.53E-06	2.56E-03	8.09E-07	4.65E-08	1.50E-02	4.73E-06	3.59E-07	1.33E-05	6.84E-06
4021	484363.09, 3854377.25	5.80E-02	1.83E-05	7.77E-06	2.93E-02	9.25E-06	3.93E-06	1.67E-03	5.27E-07	3.03E-08	5.12E-03	1.62E-06	1.23E-07	7.86E-06	4.02E-06
4022	484863.09, 3854377.25	3.87E-02	1.22E-05	5.19E-06	1.97E-02	6.20E-06	2.63E-06	1.24E-03	3.91E-07	2.25E-08	2.83E-03	8.93E-07	6.78E-08	5.23E-06	2.68E-06
4023	485363.09, 3854377.25	3.54E-02	1.12E-05	4.74E-06	1.80E-02	5.67E-06	2.41E-06	1.17E-03	3.71E-07	2.13E-08	2.48E-03	7.83E-07	5.94E-08	4.78E-06	2.45E-06
4024	485863.09, 3854377.25	2.88E-02	9.08E-06	3.85E-06	1.46E-02	4.62E-06	1.96E-06	9.76E-04	3.08E-07	1.77E-08	1.81E-03	5.72E-07	4.34E-08	3.88E-06	1.99E-06
4025	486363.09, 3854377.25	2.67E-02	8.44E-06	3.58E-06	1.36E-02	4.29E-06	1.82E-06	9.05E-04	2.86E-07	1.64E-08	1.60E-03	5.04E-07	3.82E-08	3.60E-06	1.84E-06
4026	486863.09, 3854377.25	2.40E-02	7.59E-06	3.22E-06	1.22E-02	3.86E-06	1.64E-06	8.24E-04	2.60E-07	1.50E-08	1.36E-03	4.28E-07	3.25E-08	3.24E-06	1.66E-06
4027	487363.09, 3854377.25	2.29E-02	7.23E-06	3.07E-06	1.17E-02	3.68E-06	1.56E-06	8.05E-04	2.54E-07	1.46E-08	1.27E-03	4.00E-07	3.04E-08	3.08E-06	1.58E-06
4028	487863.09, 3854377.25	2.21E-02	6.99E-06	2.96E-06	1.13E-02	3.57E-06	1.51E-06	8.19E-04	2.59E-07	1.49E-08	1.24E-03	3.90E-07	2.96E-08	2.98E-06	1.53E-06
4029	488363.09, 3854377.25	2.12E-02	6.68E-06	2.84E-06	1.08E-02	3.42E-06	1.45E-06	8.15E-04	2.57E-07	1.48E-08	1.18E-03	3.73E-07	2.83E-08	2.85E-06	1.46E-06
4030	488863.09, 3854377.25	2.03E-02	6.42E-06	2.72E-06	1.04E-02	3.29E-06	1.39E-06	8.00E-04	2.53E-07	1.45E-08	1.12E-03	3.55E-07	2.69E-08	2.73E-06	1.41E-06
4031	489363.09, 3854377.25	1.95E-02	6.16E-06	2.61E-06	1.00E-02	3.16E-06	1.34E-06	7.82E-04	2.47E-07	1.42E-08	1.07E-03	3.36E-07	2.55E-08	2.63E-06	1.35E-06
4032	489863.09, 3854377.25	1.88E-02	5.92E-06	2.51E-06	9.62E-03	3.04E-06	1.29E-06	7.57E-04	2.39E-07	1.37E-08	1.01E-03	3.18E-07	2.42E-08	2.52E-06	1.30E-06
4033	490363.09, 3854377.25	1.80E-02	5.69E-06	2.42E-06	9.25E-03	2.92E-06	1.24E-06	7.30E-04	2.30E-07	1.33E-08	9.53E-04	3.01E-07	2.28E-08	2.43E-06	1.25E-06
4034	490863.09, 3854377.25	1.66E-02	5.24E-06	2.22E-06	8.51E-03	2.69E-06	1.14E-06	6.60E-04	2.08E-07	1.20E-08	8.42E-04	2.66E-07	2.02E-08	2.23E-06	1.15E-06
4035	491363.09, 3854377.25	1.65E-02	5.22E-06	2.22E-06	8.49E-03	2.68E-06	1.14E-06	6.75E-04	2.13E-07	1.23E-08	8.52E-04	2.69E-07	2.04E-08	2.22E-06	1.15E-06
4036	491863.09, 3854377.25	1.63E-02	5.13E-06	2.18E-06	8.36E-03	2.64E-06	1.12E-06	6.83E-04	2.16E-07	1.24E-08	8.49E-04	2.68E-07	2.03E-08	2.19E-06	1.13E-06
4037	492363.09, 3854377.25	1.58E-02	5.00E-06	2.12E-06	8.15E-03	2.57E-06	1.09E-06	6.77E-04	2.14E-07	1.23E-08	8.31E-04	2.62E-07	1.99E-08	2.13E-06	1.10E-06
4038	492863.09, 3854377.25	1.54E-02	4.86E-06	2.06E-06	7.92E-03	2.50E-06	1.06E-06	6.61E-04	2.09E-07	1.20E-08	8.01E-04	2.53E-07	1.92E-08	2.07E-06	1.07E-06
4039	493363.09, 3854377.25	1.49E-02	4.70E-06	1.99E-06	7.66E-03	2.42E-06	1.03E-06	6.41E-04	2.02E-07	1.16E-08	7.69E-04	2.43E-07	1.84E-08	2.00E-06	1.03E-06
4040	493863.09, 3854377.25	1.44E-02	4.54E-06	1.93E-06	7.41E-03	2.34E-06	9.92E-07	6.20E-04	1.96E-07	1.13E-08	7.36E-04	2.32E-07	1.76E-08	1.93E-06	9.98E-07
4041	494363.09, 3854377.25	1.39E-02	4.39E-06	1.86E-06	7.16E-03	2.26E-06	9.59E-07	6.00E-04	1.89E-07	1.09E-08	7.07E-04	2.23E-07	1.69E-08	1.87E-06	9.65E-07
4042	494863.09, 3854377.25	1.27E-02	4.01E-06	1.70E-06	6.55E-03	2.07E-06	8.77E-07	5.48E-04	1.73E-07	9.95E-09	6.37E-04	2.01E-07	1.52E-08	1.71E-06	8.82E-07
4043	495363.09, 3854377.25	1.11E-02	3.51E-06	1.49E-06	5.73E-03	1.81E-06	7.68E-07	4.92E-04	1.55E-07	8.93E-09	5.65E-04	1.78E-07	1.35E-08	1.49E-06	7.72E-07
4044	495863.09, 3854377.25	1.00E-02	3.16E-06	1.34E-06	5.17E-03	1.63E-06	6.92E-07	4.56E-04	1.44E-07	8.27E-09	5.16E-04	1.63E-07	1.24E-08	1.34E-06	6.96E-07
4045	496363.09, 3854377.25	9.47E-03	2.99E-06	1.27E-06	4.89E-03	1.54E-06	6.55E-07	4.37E-04	1.38E-07	7.93E-09	4.90E-04	1.55E-07	1.17E-08	1.27E-06	6.59E-07
4046	496863.09, 3854377.25	8.75E-03	2.76E-06	1.17E-06	4.53E-03	1.43E-06	6.06E-07	4.15E-04	1.31E-07	7.54E-09	4.59E-04	1.45E-07	1.10E-08	1.18E-06	6.10E-07

4047	497363.09, 3854377.25	7.74E-03	2.44E-06	1.04E-06	4.01E-03	1.27E-06	5.37E-07	3.79E-04	1.20E-07	6.88E-09	4.13E-04	1.30E-07	9.89E-09	1.04E-06	5.40E-07
4048	497863.09, 3854377.25	7.80E-03	2.46E-06	1.04E-06	4.04E-03	1.28E-06	5.41E-07	3.82E-04	1.21E-07	6.94E-09	4.16E-04	1.31E-07	9.97E-09	1.05E-06	5.44E-07
4049	498363.09, 3854377.25	7.23E-03	2.28E-06	9.69E-07	3.75E-03	1.18E-06	5.03E-07	3.62E-04	1.14E-07	6.57E-09	3.92E-04	1.24E-07	9.38E-09	9.71E-07	5.06E-07
4050	471363.09, 3854877.25	2.79E-03	8.81E-07	3.74E-07	1.50E-03	4.75E-07	2.01E-07	2.26E-04	7.12E-08	4.09E-09	2.35E-04	7.42E-08	5.63E-09	3.75E-07	2.03E-07
4051	471863.09, 3854877.25	2.91E-03	9.19E-07	3.90E-07	1.57E-03	4.95E-07	2.10E-07	2.33E-04	7.37E-08	4.24E-09	2.43E-04	7.68E-08	5.83E-09	3.92E-07	2.12E-07
4052	472363.09, 3854877.25	3.03E-03	9.56E-07	4.06E-07	1.63E-03	5.14E-07	2.18E-07	2.40E-04	7.56E-08	4.35E-09	2.50E-04	7.88E-08	5.98E-09	4.07E-07	2.20E-07
4053	472863.09, 3854877.25	3.14E-03	9.92E-07	4.21E-07	1.69E-03	5.32E-07	2.26E-07	2.41E-04	7.61E-08	4.38E-09	2.51E-04	7.93E-08	6.02E-09	4.22E-07	2.27E-07
4054	473363.09, 3854877.25	3.31E-03	1.04E-06	4.43E-07	1.77E-03	5.59E-07	2.37E-07	2.51E-04	7.91E-08	4.55E-09	2.61E-04	8.24E-08	6.26E-09	4.44E-07	2.39E-07
4055	473863.09, 3854877.25	3.47E-03	1.10E-06	4.65E-07	1.86E-03	5.86E-07	2.49E-07	2.60E-04	8.21E-08	4.72E-09	2.71E-04	8.55E-08	6.49E-09	4.67E-07	2.50E-07
4056	474363.09, 3854877.25	3.68E-03	1.16E-06	4.93E-07	1.97E-03	6.21E-07	2.63E-07	2.73E-04	8.60E-08	4.95E-09	2.84E-04	8.96E-08	6.80E-09	4.95E-07	2.65E-07
4057	474863.09, 3854877.25	3.72E-03	1.18E-06	4.99E-07	1.98E-03	6.24E-07	2.65E-07	2.54E-04	8.01E-08	4.61E-09	2.64E-04	8.35E-08	6.33E-09	5.00E-07	2.66E-07
4058	475363.09, 3854877.25	3.59E-03	1.13E-06	4.81E-07	1.90E-03	6.00E-07	2.54E-07	2.35E-04	7.42E-08	4.27E-09	2.42E-04	7.62E-08	5.79E-09	4.82E-07	2.56E-07
4059	475863.09, 3854877.25	3.44E-03	1.09E-06	4.60E-07	1.82E-03	5.73E-07	2.43E-07	2.21E-04	6.97E-08	4.01E-09	2.25E-04	7.11E-08	5.40E-09	4.62E-07	2.45E-07
4060	476363.09, 3854877.25	3.16E-03	9.97E-07	4.23E-07	1.67E-03	5.27E-07	2.23E-07	2.04E-04	6.43E-08	3.70E-09	2.04E-04	6.44E-08	4.89E-09	4.24E-07	2.25E-07
4061	476863.09, 3854877.25	3.29E-03	1.04E-06	4.40E-07	1.73E-03	5.47E-07	2.32E-07	2.07E-04	6.53E-08	3.75E-09	2.09E-04	6.59E-08	5.01E-09	4.42E-07	2.33E-07
4062	477363.09, 3854877.25	3.62E-03	1.14E-06	4.84E-07	1.91E-03	6.02E-07	2.55E-07	2.26E-04	7.12E-08	4.09E-09	2.27E-04	7.16E-08	5.44E-09	4.86E-07	2.57E-07
4063	477863.09, 3854877.25	3.90E-03	1.23E-06	5.23E-07	2.06E-03	6.50E-07	2.76E-07	2.44E-04	7.71E-08	4.44E-09	2.46E-04	7.78E-08	5.90E-09	5.24E-07	2.77E-07
4064	478363.09, 3854877.25	4.52E-03	1.43E-06	6.06E-07	2.38E-03	7.51E-07	3.19E-07	2.76E-04	8.70E-08	5.00E-09	2.79E-04	8.81E-08	6.69E-09	6.07E-07	3.20E-07
4065	478863.09, 3854877.25	5.32E-03	1.68E-06	7.12E-07	2.79E-03	8.81E-07	3.74E-07	3.16E-04	9.99E-08	5.74E-09	3.22E-04	1.01E-07	7.70E-09	7.14E-07	3.76E-07
4066	479363.09, 3854877.25	6.51E-03	2.06E-06	8.72E-07	3.40E-03	1.07E-06	4.55E-07	3.59E-04	1.13E-07	6.51E-09	3.69E-04	1.16E-07	8.84E-09	8.74E-07	4.58E-07
4067	479863.09, 3854877.25	7.80E-03	2.46E-06	1.04E-06	4.06E-03	1.28E-06	5.43E-07	4.07E-04	1.29E-07	7.39E-09	4.24E-04	1.34E-07	1.02E-08	1.05E-06	5.46E-07
4068	480363.09, 3854877.25	9.14E-03	2.89E-06	1.22E-06	4.74E-03	1.50E-06	6.35E-07	4.54E-04	1.43E-07	8.25E-09	4.82E-04	1.52E-07	1.15E-08	1.23E-06	6.38E-07
4069	480863.09, 3854877.25	1.10E-02	3.48E-06	1.48E-06	5.72E-03	1.81E-06	7.67E-07	5.59E-04	1.77E-07	1.02E-08	5.91E-04	1.86E-07	1.42E-08	1.48E-06	7.71E-07
4070	481363.09, 3854877.25	1.35E-02	4.25E-06	1.80E-06	7.00E-03	2.21E-06	9.38E-07	6.89E-04	2.18E-07	1.25E-08	6.97E-04	2.20E-07	1.67E-08	1.81E-06	9.42E-07
4071	481863.09, 3854877.25	1.83E-02	5.77E-06	2.45E-06	9.41E-03	2.97E-06	1.26E-06	7.90E-04	2.49E-07	1.43E-08	7.72E-04	2.44E-07	1.85E-08	2.45E-06	1.26E-06
4072	482363.09, 3854877.25	2.79E-02	8.79E-06	3.73E-06	1.46E-02	4.60E-06	1.95E-06	1.57E-03	4.94E-07	2.84E-08	1.01E-03	3.18E-07	2.42E-08	3.73E-06	1.95E-06
4073	482863.09, 3854877.25	1.19E-01	3.75E-05	1.59E-05	6.02E-02	1.90E-05	8.06E-06	3.79E-03	1.20E-06	6.88E-08	1.28E-03	4.03E-07	3.06E-08	1.59E-05	8.02E-06
4074	483363.09, 3854877.25	1.80E-01	5.69E-05	2.41E-05	9.96E-02	3.14E-05	1.33E-05	1.83E-02	5.76E-06	3.32E-07	1.80E-03	5.68E-07	4.31E-08	2.39E-05	1.30E-05
4075	483863.09, 3854877.25	1.82E-01	5.74E-05	2.44E-05	9.14E-02	2.89E-05	1.22E-05	4.49E-03	1.42E-06	8.16E-08	3.44E-03	1.09E-06	8.24E-08	2.44E-05	1.22E-05
4076	484363.09, 3854877.25	1.89E-01	5.96E-05	2.53E-05	9.35E-02	2.95E-05	1.25E-05	2.43E-03	7.66E-07	4.41E-08	2.09E-02	6.61E-06	5.02E-07	2.57E-05	1.30E-05
4077	484863.09, 3854877.25	1.01E-01	3.18E-05	1.35E-05	5.03E-02	1.59E-05	6.73E-06	1.81E-03	5.72E-07	3.29E-08	1.34E-02	4.23E-06	3.21E-07	1.38E-05	7.02E-06
4078	485363.09, 3854877.25	6.49E-02	2.05E-05	8.69E-06	3.25E-02	1.03E-05	4.36E-06	1.47E-03	4.65E-07	2.67E-08	5.12E-03	1.62E-06	1.23E-07	8.78E-06	4.45E-06
4079	485863.09, 3854877.25	4.99E-02	1.58E-05	6.69E-06	2.51E-02	7.93E-06	3.36E-06	1.26E-03	3.97E-07	2.28E-08	3.14E-03	9.90E-07	7.51E-08	6.74E-06	3.42E-06
4080	486363.09, 3854877.25	4.09E-02	1.29E-05	5.48E-06	2.06E-02	6.51E-06	2.76E-06	1.10E-03	3.47E-07	2.00E-08	2.27E-03	7.16E-07	5.44E-08	5.51E-06	2.80E-06
4081	486863.09, 3854877.25	3.53E-02	1.11E-05	4.72E-06	1.78E-02	5.62E-06	2.38E-06	9.92E-04	3.13E-07	1.80E-08	1.82E-03	5.73E-07	4.35E-08	4.75E-06	2.41E-06
4082	487363.09, 3854877.25	3.19E-02	1.01E-05	4.27E-06	1.61E-02	5.09E-06	2.16E-06	9.34E-04	2.95E-07	1.69E-08	1.59E-03	5.02E-07	3.81E-08	4.29E-06	2.18E-06
4083	487863.09, 3854877.25	2.91E-02	9.19E-06	3.90E-06	1.47E-02	4.65E-06	1.97E-06	8.94E-04	2.82E-07	1.62E-08	1.44E-03	4.54E-07	3.44E-08	3.92E-06	1.99E-06
4084	488363.09, 3854877.25	2.69E-02	8.50E-06	3.61E-06	1.37E-02	4.32E-06	1.83E-06	8.79E-04	2.77E-07	1.60E-08	1.34E-03	4.22E-07	3.20E-08	3.62E-06	1.85E-06
4085	488863.09, 3854877.25	2.54E-02	8.01E-06	3.40E-06	1.29E-02	4.08E-06	1.73E-06	8.77E-04	2.77E-07	1.59E-08	1.27E-03	4.00E-07	3.04E-08	3.41E-06	1.74E-06
4086	489363.09, 3854877.25	2.39E-02	7.54E-06	3.20E-06	1.22E-02	3.84E-06	1.63E-06	8.58E-04	2.71E-07	1.56E-08	1.19E-03	3.77E-07	2.86E-08	3.21E-06	1.64E-06
4087	489863.09, 3854877.25	2.24E-02	7.08E-06	3.01E-06	1.15E-02	3.61E-06	1.53E-06	8.15E-04	2.57E-07	1.48E-08	1.10E-03	3.48E-07	2.64E-08	3.02E-06	1.54E-06
4088	490363.09, 3854877.25	2.03E-02	6.40E-06	2.71E-06	1.03E-02	3.26E-06	1.38E-06	7.05E-04	2.22E-07	1.28E-08	9.29E-04	2.93E-07	2.22E-08	2.72E-06	1.39E-06
4089	490863.09, 3854877.25	1.65E-02	5.22E-06	2.22E-06	8.44E-03	2.67E-06	1.13E-06	6.05E-04	1.91E-07	1.10E-08	7.56E-04	2.39E-07	1.81E-08	2.22E-06	1.14E-06
4090	491363.09, 3854877.25	1.70E-02	5.35E-06	2.27E-06	8.66E-03	2.73E-06	1.16E-06	6.19E-04	1.95E-07	1.12E-08	7.72E-04	2.44E-07	1.85E-08	2.28E-06	1.17E-06
4091	491863.09, 3854877.25	1.86E-02	5.87E-06	2.49E-06	9.53E-03	3.01E-06	1.28E-06	7.24E-04	2.28E-07	1.31E-08	9.03E-04	2.85E-07	2.16E-08	2.50E-06	1.28E-06
4092	492363.09, 3854877.25	1.80E-02	5.68E-06	2.41E-06	9.23E-03	2.91E-06	1.24E-06	7.19E-04	2.27E-07	1.31E-08	8.80E-04	2.78E-07	2.11E-08	2.42E-06	1.24E-06
4093	492863.09, 3854877.25	1.73E-02	5.47E-06	2.32E-06	8.88E-03	2.80E-06	1.19E-06	6.96E-04	2.20E-07	1.26E-08	8.41E-04	2.65E-07	2.01E-08	2.33E-06	1.20E-06
4094	493363.09, 3854877.25	1.66E-02	5.25E-06	2.23E-06	8.52E-03	2.69E-06	1.14E-06	6.66E-04	2.10E-07	1.21E-08	7.98E-04	2.52E-07	1.91E-08	2.23E-06	1.15E-06
4095	493863.09, 3854877.25	1.60E-02	5.05E-06	2.14E-06	8.20E-03	2.59E-06	1.10E-06	6.42E-04	2.03E-07	1.17E-08	7.64E-04	2.41E-07	1.83E-08	2.15E-06	1.10E-06
4096	494363.09, 3854877.25	1.44E-02	4.54E-06	1.93E-06	7.37E-03	2.33E-06	9.87E-07	5.69E-04	1.79E-07	1.03E-08	6.68E-04	2.11E-07	1.60E-08	1.93E-06	9.92E-07
4097	494863.09, 3854877.25	1.19E-02	3.77E-06	1.60E-06	6.13E-03	1.93E-06	8.21E-07	4.97E-04	1.57E-07	9.01E-09	5.68E-04	1.79E-07	1.36E-08	1.60E-06	8.26E-07
4098	495363.09, 3854877.25	1.04E-02	3.28E-06	1.39E-06	5.35E-03	1.69E-06	7.16E-07	4.51E-04	1.42E-07	8.19E-09	5.06E-04	1.60E-07	1.21E-08	1.39E-06	7.20E-07
4099	495863.09, 3854877.25	9.51E-03	3.00E-06	1.27E-06	4.90E-03	1.55E-06	6.57E-07	4.26E-04	1.34E-07	7.73E-09	4.72E-04	1.49E-07	1.13E-08	1.28E-06	6.60E-07
4100	496363.09, 3854877.25	8.46E-03	2.67E-06	1.13E-06	4.37E-03	1.38E-06	5.85E-07	3.92E-04	1.24E-07	7.11E-09	4.26E-04	1.34E-07	1.02E-08	1.14E-06	5.88E-07
4101	496863.09, 3854877.25	7.83E-03	2.47E-06	1.05E-06	4.05E-03	1.28E-06	5.42E-07	3.70E-04	1.17E-07	6.71E-09	4.00E-04	1.26E-07	9.58E-09	1.05E-06	5.45E-07
4102	497363.09, 3854877.25	7.60E-03	2.40E-06	1.02E-06	3.93E-03	1.24E-06	5.27E-07	3.63E-04	1.15E-07	6.60E-09	3.92E-04	1.24E-07	9.38E-09	1.02E-06	5.29E-07
4103	497863.09, 3854877.25	7.82E-03	2.47E-06	1.05E-06	4.05E-03	1.28E-06	5.42E-07	3.76E-04	1.19E-07	6.82E-09	4.05E-04	1.28E-07	9.70E-09	1.05E-06	5.45E-07
4104	498363.09, 3854877.25	7.65E-03	2.41E-06	1.02E-06	3.96E-03	1.25E-06	5.30E-07	3.71E-04	1.17E-07	6.74E-09	3.98E-04	1.26E-07	9.54E-09	1.03E-06	5.33E-07
4105	471363.09, 3855377.25	2.72E-03	8.58E-07	3.64E-07	1.47E-03	4.62E-07	1.96E-07	2.21E-04	6.97E-08	4.01E-09	2.32E-04	7.32E-08	5.55E-09	3.65E-07	1.98E-07
4106	471863.09, 3855377.25	2.83E-03	8.95E-07	3.80E-07	1.53E-03	4.81E-07	2.04E-07	2.26E-04	7.12E-08	4.09E-09	2.37E-04	7.47E-08	5.67E-09	3.81E-07	2.06E-07
4107	472363.09, 3855377.25	2.98E-03	9.41E-07	3.99E-07	1.60E-03	5.06E-07	2.15E-07	2.33E-04	7.37E-08	4.24E-09	2.45E-04	7.73E-08	5.87E-09	4.01E-07	2.16E-07
4108	472863.09, 3855377.25	3.10E-03	9.78E-07	4.15E-07	1.66E-03	5.24E-07	2.22E-07	2.37E-04	7.47E-08	4.29E-09	2.48E-04	7.83E-08	5.94E-09	4.16E-07	2.24E-07
4109	473363.09, 3855377.25	3.26E-03	1.03E-06	4.37E-07	1.75E-03	5.52E-07	2.34E-07	2.48E-04	7.81E-08	4.49E-09	2.60E-04	8.19E-08	6.22E-09	4.39E-07	2.36E-07
4110	473863.09, 3855377.25	3.43E-03	1.08E-06	4.59E-07	1.83E-03	5.79E-07	2.46E-07	2.57E-04	8.11E-08	4.66E-09	2.69E-04	8.50E-08	6.45E-09	4.61E-07	2.47E-07
4111	474363.09, 3855377.25	3.62E-03	1.14E-06	4.84E-07	1.93E-03	6.10E-07	2.59E-07	2.65E-04	8.36E-08	4.81E-09	2.77E-04	8.76E-08	6.65E-09	4.86E-07	2.61E-07
4112	474863.09, 3855377.25	3.68E-03	1.16E-06	4.92E-07	1.95E-03	6.15E-07	2.61E-07	2.48E-04	7.81E-08	4.49E-09	2.60E-04	8.19E-08	6.22E-09	4.94E-07	2.63E-07
4113	475363.09, 3855377.25	3.04E-03	9.59E-07	4.07E-07	1.61E-03	5.07E-07	2.15E-07	2.01E-04	6.33E-08	3.64E-09	2.06E-04	6.49E-08	4.93E-09	4.08E-07	2.17E-07
4114	475863.09, 3855377.25	2.93E-03	9.26E-07	3.93E-07	1.55E-03	4.90E-07	2.08E-07	1.93E-04	6.08E-08	3.50E-09	1.94E-04	6.13E-08	4.65E-09	3.94E-07	2.09E-07
4115	476363.09, 3855377.25	3.17E-03	1.00E-06	4.24E-07	1.68E-03	5.29E-07	2.24E-07	2.05E-04	6.48E-08	3.73E-09	2.07E-04	6.54E-08	4.97E-09	4.26E-07	2.26E-07
4116	476863.09, 3855377.25	3.31E-03	1.05E-06	4.44E-07	1.75E-03	5.52E-07	2.34E-07	2.10E-04	6.63E-08	3.81E-09	2.11E-04	6.65E-08	5.04E-09	4.45E-07	2.35E-07
4117	477363.09, 3855377.25	3.55E-03	1.12E-06	4.75E-07	1.87E-03	5.90E-07	2.51E-07	2.21E-04	6.97E-08	4.01E-09	2.22E-04	7.01E-08	5.32E-09	4.77E-07	2.52E-07
4118	477863.09, 3855377.25	4.02E-03	1.27E-06	5.38E-07	2.12E-03	6.68E-07	2.83E-07	2.44E-04	7.71E-08	4.44E-09	2.46E-04	7.78E-08	5.90E-09	5.40E-07	2.85E-07
4119	478363.09, 3855377.25	4.65E-03	1.47E-06	6.22E-07	2.44E-03	7.69E-07	3.26E-07	2.71E-04	8.55E-08	4.92E-09	2.76E-04	8.71E-08	6.61E-09	6.24E-07	3.28E-07
4120	478863.09, 3855377.25	5.35E-03	1.69E-06	7.16E-07	2.80E-03	8.83E-07	3.75E-07	3.01E-04	9.49E-08	5.46E-09	3.07E-04	9.69E-08	7.35E-09	7.18E-07	3.76E-07
4121	479363.09, 3855377.25	6.47E-03	2.04E-06	8.66E-07	3.36E-03	1.06E-06	4.51E-07	3.35E-04	1.06E-07	6.09E-09	3.49E-04	1.10E-07	8.37E-09	8.68E-07	4.53E-07
4122	479863.09, 3855377.25	7.69E-03	2.43E-06	1.03E-06	3.98E-03	1.26E-06	5.33E-07	3.74E-04	1.18E-07	6.80E-09	3.95E-04	1.25E-07	9.46E-09	1.03E-06	5.36E-07
4123	480363.09, 3855377.25	9.49E-03	3.00E-06	1.27E-06	4.90E-03	1.55E-06	6.57E-07	4.37E-04	1.38E-07	7.93E-09	4.72E-04	1.49E-07	1.13E-08	1.27E-06	6.60E-07
4124	480863.09, 3855377.25	1.14E-02	3.60E-06	1.53E-06	5.90E-03	1.86E-06	7.90E-07	5.39E-04	1.70E-07	9.78E-09	5.63E-04	1.78E-07	1.35E-08	1.53E-06	7.94E-07
4125	481363.09, 3855377.25	1.34E-02	4.24E-06	1.80E-06	6.99E-03	2.21E-06	9.36E-07	6.91E-04	2.18E-07	1.25E-08	6.55E-04	2.07E-07	1.57E-08	1.80E-06	9.39E-07
4126	481863.09, 3855377.25	1.74E-02	5.49E-06	2.33E-06	9.04E-03	2.85E-06	1.21E-06	8.84E-04	2.79E-07	1.60E-08	7.31E-04	2.31E-07	1.75E-08	2.33E-06	1.21E-06
4127	482363.09, 3855377.25	2.73E-02	8.60E-06	3.65E-06	1.40E-02	4.42E-06	1.88E-06	1.16E-03	3.66E-07	2.11E-08	8.05E-04	2.54E-07	1.93E-08	3.65E-06	1.88E-06
4128	482863.09, 3855377.25	1.15E-01	3.62E-05	1.53E-05	5.69E-02	1.80E-05	7.62E-06	1.72E-03	5.43E-07	3.12E-08	9.24E-04	2.92E-07	2.21E-08	1.53E-05	7.61E-06
4129	483363.09, 3855377.25	1.63E-01	5.14E-05	2.18E-05	8.17E-02	2.58E-05	1.09E-05	3.82E-03	1.21E-06	6.94E-08	1.10E-03	3.48E-07	2.64E-08	2.18E-05	1.09E-05
4130	483863.09, 3855377.25	2.07E-01	6.53E-05	2.77E-05	1.17E-01	3.68E-05	1.56E-05	2.47E-02	7.81E-06	4.49E-07	1.47E-03	4.64E-07	3.52E-08	2.73E-05	1.52E-05
4131	484363.09, 3855377.25	1.95E-01	6.15E-05	2.61E-05	9.81E-02	3.10E-05	1.31E-05	4.93E-03	1.56E-06	8.95E-08	2.23E-03	7.05E-07	5.35E-08	2.61E-05	1.31E-05
4132	484863.09, 3855377.25	1.95E-01	6.16E-05	2.62E-05	9.70E-02	3.06E-05	1.30E-05	2.96E-03	9.35E-07	5.38E-08	6.12E-03	1.93E-06	1.47E-07	2.62E-05	1.31E-05
4133	485363.09, 3855377.25	1.23E-01	3.90E-05	1.65E-05	6.14E-02	1.94E-05	8.23E-06	2.12E-03	6.69E-07	3.85E-08	1.41E-02	4.46E-06	3.39E-07	1.68E-05	8.53E-06
4134	485863.09, 3855377.25	7.59E-02	2.40E-05	1.02E-05	3.81E-02	1.20E-05	5.10E-06	1.69E-03	5.32E-07	3.06E-08	5.16E-03	1.63E-06	1.24E-07	1.03E-05	5.19E-06
4135	486363.09, 3855377.25	5.94E-02	1.87E-05	7.95E-06	2.98E-02	9.40E-06	3.99E-06	1.39E-03	4.40E-07	2.53E-08	3.20E-03	1.01E-06	7.66E-08	8.00E-06	4.04E-06
4136	486863.09, 3855377.25	4.89E-02	1.54E-05	6.55E-06	2.46E-02	7.76E-06	3.29E-06	1.21E-03	3.81E-07	2.19E-08	2.34E-03	7.40E-07	5.62E-08	6.59E-06	3.33E-06

4137	487363.09, 3855377.25	4.22E-02	1.33E-05	5.65E-06	2.13E-02	6.71E-06	2.85E-06	1.14E-03	3.60E-07	2.07E-08	2.00E-03	6.32E-07	4.80E-08	5.68E-06	2.88E-06
4138	487863.09, 3855377.25	3.70E-02	1.17E-05	4.96E-06	1.87E-02	5.91E-06	2.51E-06	1.07E-03	3.39E-07	1.95E-08	1.75E-03	5.53E-07	4.20E-08	4.98E-06	2.53E-06
4139	488363.09, 3855377.25	3.31E-02	1.05E-05	4.44E-06	1.68E-02	5.30E-06	2.25E-06	1.02E-03	3.21E-07	1.85E-08	1.56E-03	4.93E-07	3.74E-08	4.45E-06	2.27E-06
4140	488863.09, 3855377.25	3.02E-02	9.53E-06	4.04E-06	1.53E-02	4.84E-06	2.05E-06	9.76E-04	3.08E-07	1.77E-08	1.42E-03	4.47E-07	3.39E-08	4.06E-06	2.07E-06
4141	489363.09, 3855377.25	2.79E-02	8.82E-06	3.74E-06	1.42E-02	4.48E-06	1.90E-06	9.37E-04	2.96E-07	1.70E-08	1.30E-03	4.11E-07	3.12E-08	3.76E-06	1.92E-06
4142	489863.09, 3855377.25	2.62E-02	8.27E-06	3.51E-06	1.33E-02	4.21E-06	1.79E-06	8.91E-04	2.81E-07	1.62E-08	1.21E-03	3.81E-07	2.89E-08	3.52E-06	1.80E-06
4143	490363.09, 3855377.25	2.46E-02	7.78E-06	3.30E-06	1.26E-02	3.96E-06	1.68E-06	8.77E-04	2.77E-07	1.59E-08	1.14E-03	3.61E-07	2.74E-08	3.31E-06	1.69E-06
4144	490863.09, 3855377.25	2.17E-02	6.84E-06	2.90E-06	1.10E-02	3.47E-06	1.47E-06	6.99E-04	2.21E-07	1.27E-08	9.08E-04	2.86E-07	2.17E-08	2.91E-06	1.48E-06
4145	491363.09, 3855377.25	1.94E-02	6.13E-06	2.60E-06	9.88E-03	3.12E-06	1.32E-06	6.49E-04	2.05E-07	1.18E-08	8.15E-04	2.57E-07	1.95E-08	2.61E-06	1.33E-06
4146	491863.09, 3855377.25	2.10E-02	6.63E-06	2.81E-06	1.07E-02	3.39E-06	1.44E-06	7.71E-04	2.43E-07	1.40E-08	9.57E-04	3.02E-07	2.29E-08	2.82E-06	1.45E-06
4147	492363.09, 3855377.25	2.01E-02	6.35E-06	2.69E-06	1.03E-02	3.24E-06	1.38E-06	7.60E-04	2.40E-07	1.38E-08	9.22E-04	2.91E-07	2.21E-08	2.70E-06	1.38E-06
4148	492863.09, 3855377.25	1.92E-02	6.05E-06	2.57E-06	9.81E-03	3.09E-06	1.31E-06	7.28E-04	2.30E-07	1.32E-08	8.77E-04	2.77E-07	2.10E-08	2.58E-06	1.32E-06
4149	493363.09, 3855377.25	1.81E-02	5.72E-06	2.43E-06	9.26E-03	2.92E-06	1.24E-06	6.77E-04	2.14E-07	1.23E-08	8.15E-04	2.57E-07	1.95E-08	2.43E-06	1.25E-06
4150	493863.09, 3855377.25	1.63E-02	5.15E-06	2.19E-06	8.34E-03	2.63E-06	1.12E-06	6.02E-04	1.90E-07	1.09E-08	7.12E-04	2.25E-07	1.70E-08	2.19E-06	1.12E-06
4151	494363.09, 3855377.25	1.36E-02	4.28E-06	1.82E-06	6.95E-03	2.19E-06	9.30E-07	5.26E-04	1.66E-07	9.55E-09	6.04E-04	1.91E-07	1.45E-08	1.82E-06	9.35E-07
4152	494863.09, 3855377.25	1.12E-02	3.52E-06	1.49E-06	5.73E-03	1.81E-06	7.67E-07	4.62E-04	1.46E-07	8.39E-09	5.14E-04	1.62E-07	1.23E-08	1.50E-06	7.71E-07
4153	495363.09, 3855377.25	9.57E-03	3.02E-06	1.28E-06	4.93E-03	1.56E-06	6.60E-07	4.18E-04	1.32E-07	7.59E-09	4.57E-04	1.44E-07	1.09E-08	1.29E-06	6.63E-07
4154	495863.09, 3855377.25	8.60E-03	2.71E-06	1.15E-06	4.43E-03	1.40E-06	5.94E-07	3.87E-04	1.22E-07	7.02E-09	4.18E-04	1.32E-07	1.00E-08	1.15E-06	5.97E-07
4155	496363.09, 3855377.25	8.31E-03	2.62E-06	1.11E-06	4.29E-03	1.35E-06	5.74E-07	3.81E-04	1.20E-07	6.91E-09	4.08E-04	1.29E-07	9.78E-09	1.12E-06	5.77E-07
4156	496863.09, 3855377.25	8.07E-03	2.55E-06	1.08E-06	4.17E-03	1.32E-06	5.59E-07	3.74E-04	1.18E-07	6.80E-09	4.00E-04	1.26E-07	9.58E-09	1.08E-06	5.61E-07
4157	497363.09, 3855377.25	7.99E-03	2.52E-06	1.07E-06	4.13E-03	1.30E-06	5.53E-07	3.74E-04	1.18E-07	6.80E-09	4.02E-04	1.27E-07	9.62E-09	1.07E-06	5.56E-07
4158	497863.09, 3855377.25	8.06E-03	2.54E-06	1.08E-06	4.17E-03	1.32E-06	5.59E-07	3.82E-04	1.21E-07	6.94E-09	4.06E-04	1.28E-07	9.74E-09	1.08E-06	5.61E-07
4159	498363.09, 3855377.25	8.21E-03	2.59E-06	1.10E-06	4.25E-03	1.34E-06	5.69E-07	3.90E-04	1.23E-07	7.08E-09	4.16E-04	1.31E-07	9.97E-09	1.10E-06	5.72E-07
4160	471363.09, 3855877.25	2.63E-03	8.29E-07	3.52E-07	1.42E-03	4.48E-07	1.90E-07	2.16E-04	6.82E-08	3.92E-09	2.27E-04	7.16E-08	5.44E-09	3.53E-07	1.91E-07
4161	471863.09, 3855877.25	2.74E-03	8.66E-07	3.67E-07	1.48E-03	4.67E-07	1.98E-07	2.21E-04	6.97E-08	4.01E-09	2.33E-04	7.37E-08	5.59E-09	3.69E-07	2.00E-07
4162	472363.09, 3855877.25	2.89E-03	9.14E-07	3.88E-07	1.56E-03	4.92E-07	2.09E-07	2.30E-04	7.27E-08	4.18E-09	2.43E-04	7.68E-08	5.83E-09	3.89E-07	2.10E-07
4163	472863.09, 3855877.25	3.02E-03	9.53E-07	4.05E-07	1.62E-03	5.11E-07	2.17E-07	2.32E-04	7.32E-08	4.21E-09	2.45E-04	7.73E-08	5.87E-09	4.06E-07	2.19E-07
4164	473363.09, 3855877.25	3.20E-03	1.01E-06	4.29E-07	1.71E-03	5.41E-07	2.30E-07	2.43E-04	7.66E-08	4.41E-09	2.58E-04	8.14E-08	6.18E-09	4.30E-07	2.31E-07
4165	473863.09, 3855877.25	3.39E-03	1.07E-06	4.54E-07	1.81E-03	5.73E-07	2.43E-07	2.52E-04	7.96E-08	4.58E-09	2.68E-04	8.45E-08	6.41E-09	4.56E-07	2.45E-07
4166	474363.09, 3855877.25	3.57E-03	1.13E-06	4.78E-07	1.90E-03	6.01E-07	2.55E-07	2.58E-04	8.16E-08	4.69E-09	2.74E-04	8.65E-08	6.57E-09	4.80E-07	2.57E-07
4167	474863.09, 3855877.25	3.61E-03	1.14E-06	4.83E-07	1.91E-03	6.02E-07	2.56E-07	2.37E-04	7.47E-08	4.29E-09	2.51E-04	7.93E-08	6.02E-09	4.85E-07	2.57E-07
4168	475363.09, 3855877.25	3.24E-03	1.02E-06	4.34E-07	1.71E-03	5.40E-07	2.29E-07	2.07E-04	6.53E-08	3.75E-09	2.14E-04	6.75E-08	5.12E-09	4.35E-07	2.30E-07
4169	475863.09, 3855877.25	2.64E-03	8.35E-07	3.54E-07	1.40E-03	4.41E-07	1.87E-07	1.72E-04	5.44E-08	3.13E-09	1.75E-04	5.51E-08	4.18E-09	3.55E-07	1.88E-07
4170	476363.09, 3855877.25	2.79E-03	8.81E-07	3.74E-07	1.47E-03	4.65E-07	1.97E-07	1.79E-04	5.64E-08	3.24E-09	1.81E-04	5.72E-08	4.34E-09	3.75E-07	1.98E-07
4171	476863.09, 3855877.25	3.22E-03	1.02E-06	4.32E-07	1.70E-03	5.37E-07	2.28E-07	2.04E-04	6.43E-08	3.70E-09	2.06E-04	6.49E-08	4.93E-09	4.33E-07	2.29E-07
4172	477363.09, 3855877.25	3.58E-03	1.13E-06	4.79E-07	1.88E-03	5.94E-07	2.52E-07	2.21E-04	6.97E-08	4.01E-09	2.24E-04	7.06E-08	5.36E-09	4.80E-07	2.53E-07
4173	477863.09, 3855877.25	4.02E-03	1.27E-06	5.39E-07	2.11E-03	6.67E-07	2.83E-07	2.38E-04	7.52E-08	4.32E-09	2.43E-04	7.68E-08	5.83E-09	5.40E-07	2.84E-07
4174	478363.09, 3855877.25	4.65E-03	1.47E-06	6.22E-07	2.43E-03	7.67E-07	3.26E-07	2.63E-04	8.31E-08	4.78E-09	2.71E-04	8.55E-08	6.49E-09	6.24E-07	3.27E-07
4175	478863.09, 3855877.25	5.56E-03	1.76E-06	7.45E-07	2.90E-03	9.14E-07	3.88E-07	2.91E-04	9.20E-08	5.29E-09	3.04E-04	9.58E-08	7.27E-09	7.47E-07	3.90E-07
4176	479363.09, 3855877.25	6.72E-03	2.12E-06	9.00E-07	3.48E-03	1.10E-06	4.66E-07	3.27E-04	1.03E-07	5.94E-09	3.48E-04	1.10E-07	8.33E-09	9.03E-07	4.69E-07
4177	479863.09, 3855877.25	7.98E-03	2.52E-06	1.07E-06	4.12E-03	1.30E-06	5.52E-07	3.63E-04	1.15E-07	6.60E-09	3.92E-04	1.24E-07	9.38E-09	1.07E-06	5.54E-07
4178	480363.09, 3855877.25	9.55E-03	3.01E-06	1.28E-06	4.92E-03	1.55E-06	6.59E-07	4.17E-04	1.32E-07	7.56E-09	4.52E-04	1.43E-07	1.08E-08	1.28E-06	6.62E-07
4179	480863.09, 3855877.25	1.14E-02	3.59E-06	1.52E-06	5.85E-03	1.85E-06	7.84E-07	4.92E-04	1.55E-07	8.93E-09	5.22E-04	1.65E-07	1.25E-08	1.53E-06	7.87E-07
4180	481363.09, 3855877.25	1.37E-02	4.33E-06	1.84E-06	7.02E-03	2.21E-06	9.40E-07	5.31E-04	1.68E-07	9.64E-09	5.60E-04	1.77E-07	1.34E-08	1.84E-06	9.43E-07
4181	481863.09, 3855877.25	1.61E-02	5.08E-06	2.16E-06	8.32E-03	2.63E-06	1.11E-06	7.57E-04	2.39E-07	1.37E-08	6.45E-04	2.03E-07	1.54E-08	2.16E-06	1.12E-06
4182	482363.09, 3855877.25	2.19E-02	6.92E-06	2.94E-06	1.13E-02	3.56E-06	1.51E-06	9.24E-04	2.92E-07	1.68E-08	6.84E-04	2.16E-07	1.64E-08	2.94E-06	1.51E-06
4183	482863.09, 3855877.25	3.85E-02	1.21E-05	5.15E-06	1.95E-02	6.15E-06	2.61E-06	1.17E-03	3.68E-07	2.12E-08	7.56E-04	2.39E-07	1.81E-08	5.15E-06	2.61E-06
4184	483363.09, 3855877.25	1.40E-01	4.42E-05	1.87E-05	6.92E-02	2.18E-05	9.27E-06	1.66E-03	5.25E-07	3.02E-08	8.54E-04	2.69E-07	2.05E-08	1.87E-05	9.26E-06
4185	483863.09, 3855877.25	1.74E-01	5.48E-05	2.33E-05	8.68E-02	2.74E-05	1.16E-05	3.43E-03	1.08E-06	6.23E-08	1.02E-03	3.21E-07	2.44E-08	2.32E-05	1.16E-05
4186	484363.09, 3855877.25	2.33E-01	7.37E-05	3.13E-05	1.39E-01	4.40E-05	1.87E-05	4.00E-02	1.26E-05	7.26E-07	1.34E-03	4.24E-07	3.22E-08	3.06E-05	1.80E-05
4187	484863.09, 3855877.25	2.01E-01	6.34E-05	2.69E-05	1.02E-01	3.21E-05	1.36E-05	6.27E-03	1.98E-06	1.14E-07	2.01E-03	6.35E-07	4.82E-08	2.68E-05	1.36E-05
4188	485363.09, 3855877.25	2.00E-01	6.31E-05	2.68E-05	9.96E-02	3.14E-05	1.33E-05	3.48E-03	1.10E-06	6.31E-08	5.37E-03	1.69E-06	1.29E-07	2.69E-05	1.34E-05
4189	485863.09, 3855877.25	1.49E-01	4.72E-05	2.00E-05	7.43E-02	2.34E-05	9.95E-06	2.39E-03	7.53E-07	4.33E-08	1.56E-02	4.93E-06	3.74E-07	2.03E-05	1.03E-05
4190	486363.09, 3855877.25	8.40E-02	2.65E-05	1.12E-05	4.20E-02	1.33E-05	5.63E-06	1.79E-03	5.66E-07	3.25E-08	5.07E-03	1.60E-06	1.22E-07	1.13E-05	5.72E-06
4191	486863.09, 3855877.25	6.45E-02	2.04E-05	8.64E-06	3.24E-02	1.02E-05	4.34E-06	1.50E-03	4.75E-07	2.73E-08	3.21E-03	1.01E-06	7.70E-08	8.69E-06	4.39E-06
4192	487363.09, 3855877.25	5.26E-02	1.66E-05	7.05E-06	2.65E-02	8.37E-06	3.55E-06	1.39E-03	4.39E-07	2.53E-08	2.56E-03	8.07E-07	6.13E-08	7.09E-06	3.59E-06
4193	487863.09, 3855877.25	4.47E-02	1.41E-05	5.98E-06	2.26E-02	7.13E-06	3.03E-06	1.30E-03	4.12E-07	2.37E-08	2.15E-03	6.77E-07	5.14E-08	6.01E-06	3.05E-06
4194	488363.09, 3855877.25	3.91E-02	1.23E-05	5.23E-06	1.98E-02	6.25E-06	2.65E-06	1.22E-03	3.84E-07	2.21E-08	1.84E-03	5.82E-07	4.41E-08	5.25E-06	2.67E-06
4195	488863.09, 3855877.25	3.50E-02	1.11E-05	4.69E-06	1.78E-02	5.61E-06	2.38E-06	1.14E-03	3.59E-07	2.07E-08	1.62E-03	5.12E-07	3.89E-08	4.71E-06	2.40E-06
4196	489363.09, 3855877.25	3.20E-02	1.01E-05	4.28E-06	1.63E-02	5.13E-06	2.18E-06	1.07E-03	3.37E-07	1.94E-08	1.45E-03	4.58E-07	3.48E-08	4.30E-06	2.19E-06
4197	489863.09, 3855877.25	2.96E-02	9.34E-06	3.96E-06	1.51E-02	4.75E-06	2.02E-06	1.01E-03	3.19E-07	1.83E-08	1.32E-03	4.17E-07	3.17E-08	3.98E-06	2.03E-06
4198	490363.09, 3855877.25	2.75E-02	8.69E-06	3.69E-06	1.40E-02	4.43E-06	1.88E-06	9.68E-04	3.06E-07	1.76E-08	1.23E-03	3.87E-07	2.94E-08	3.70E-06	1.89E-06
4199	490863.09, 3855877.25	2.59E-02	8.18E-06	3.47E-06	1.32E-02	4.17E-06	1.77E-06	9.09E-04	2.87E-07	1.65E-08	1.14E-03	3.60E-07	2.73E-08	3.48E-06	1.78E-06
4200	491363.09, 3855877.25	2.45E-02	7.73E-06	3.28E-06	1.24E-02	3.93E-06	1.67E-06	8.16E-04	2.58E-07	1.48E-08	1.03E-03	3.27E-07	2.48E-08	3.29E-06	1.68E-06
4201	491863.09, 3855877.25	2.31E-02	7.30E-06	3.10E-06	1.18E-02	3.73E-06	1.58E-06	8.46E-04	2.67E-07	1.54E-08	1.02E-03	3.22E-07	2.44E-08	3.11E-06	1.59E-06
4202	492363.09, 3855877.25	2.20E-02	6.95E-06	2.95E-06	1.12E-02	3.55E-06	1.51E-06	8.00E-04	2.53E-07	1.45E-08	9.60E-04	3.03E-07	2.30E-08	2.96E-06	1.51E-06
4203	492863.09, 3855877.25	2.09E-02	6.60E-06	2.80E-06	1.07E-02	3.37E-06	1.43E-06	7.61E-04	2.40E-07	1.38E-08	9.04E-04	2.85E-07	2.17E-08	2.81E-06	1.44E-06
4204	493363.09, 3855877.25	1.90E-02	6.00E-06	2.55E-06	9.69E-03	3.06E-06	1.30E-06	6.63E-04	2.09E-07	1.20E-08	7.87E-04	2.48E-07	1.88E-08	2.55E-06	1.30E-06
4205	493863.09, 3855877.25	1.57E-02	4.97E-06	2.11E-06	8.03E-03	2.53E-06	1.08E-06	5.70E-04	1.80E-07	1.04E-08	6.56E-04	2.07E-07	1.57E-08	2.11E-06	1.08E-06
4206	494363.09, 3855877.25	1.25E-02	3.94E-06	1.67E-06	6.39E-03	2.02E-06	8.56E-07	4.93E-04	1.56E-07	8.96E-09	5.48E-04	1.73E-07	1.31E-08	1.68E-06	8.60E-07
4207	494863.09, 3855877.25	1.05E-02	3.30E-06	1.40E-06	5.38E-03	1.70E-06	7.20E-07	4.43E-04	1.40E-07	8.05E-09	4.80E-04	1.51E-07	1.15E-08	1.40E-06	7.24E-07
4208	495363.09, 3855877.25	8.78E-03	2.77E-06	1.18E-06	4.53E-03	1.43E-06	6.06E-07	3.92E-04	1.24E-07	7.11E-09	4.16E-04	1.31E-07	9.97E-09	1.18E-06	6.09E-07
4209	495863.09, 3855877.25	8.50E-03	2.68E-06	1.14E-06	4.39E-03	1.38E-06	5.87E-07	3.85E-04	1.22E-07	7.00E-09	4.08E-04	1.29E-07	9.78E-09	1.14E-06	5.90E-07
4210	496363.09, 3855877.25	8.31E-03	2.62E-06	1.11E-06	4.29E-03	1.35E-06	5.74E-07	3.81E-04	1.20E-07	6.91E-09	4.03E-04	1.27E-07	9.66E-09	1.12E-06	5.77E-07
4211	496863.09, 3855877.25	8.29E-03	2.62E-06	1.11E-06	4.28E-03	1.35E-06	5.74E-07	3.84E-04	1.21E-07	6.97E-09	4.06E-04	1.28E-07	9.74E-09	1.11E-06	5.76E-07
4212	497363.09, 3855877.25	8.32E-03	2.63E-06	1.11E-06	4.30E-03	1.36E-06	5.76E-07	3.88E-04	1.23E-07	7.05E-09	4.11E-04	1.30E-07	9.85E-09	1.12E-06	5.79E-07
4213	497863.09, 3855877.25	8.45E-03	2.67E-06	1.13E-06	4.37E-03	1.38E-06	5.85E-07	3.98E-04	1.26E-07	7.22E-09	4.19E-04	1.32E-07	1.00E-08	1.13E-06	5.88E-07
4214	498363.09, 3855877.25	8.93E-03	2.82E-06	1.20E-06	4.62E-03	1.46E-06	6.18E-07	4.17E-04	1.32E-07	7.56E-09	4.44E-04	1.40E-07	1.06E-08	1.20E-06	6.21E-07
4215	471363.09, 3856377.25	2.56E-03	8.08E-07	3.43E-07	1.38E-03	4.35E-07	1.85E-07	2.07E-04	6.53E-08	3.75E-09	2.19E-04	6.90E-08	5.24E-09	3.44E-07	1.86E-07
4216	471863.09, 3856377.25	2.68E-03	8.44E-07	3.58E-07	1.44E-03	4.54E-07	1.93E-07	2.11E-04	6.67E-08	3.84E-09	2.24E-04	7.06E-08	5.36E-09	3.60E-07	1.94E-07
4217	472363.09, 3856377.25	2.81E-03	8.88E-07	3.77E-07	1.51E-03	4.77E-07	2.02E-07	2.21E-04	6.97E-08	4.01E-09	2.33E-04	7.37E-08	5.59E-09	3.78E-07	2.04E-07
4218	472863.09, 3856377.25	2.97E-03	9.39E-07	3.98E-07	1.60E-03	5.03E-07	2.14E-07	2.29E-04	7.22E-08	4.15E-09	2.43E-04	7.68E-08	5.83E-09	4.00E-07	2.15E-07
4219	473363.09, 3856377.25	3.14E-03	9.90E-07	4.20E-07	1.68E-03	5.30E-07	2.25E-07	2.37E-04	7.47E-08	4.29E-09	2.51E-04	7.93E-08	6.02E-09	4.22E-07	2.27E-07
4220	473863.09, 3856377.25	3.33E-03	1.05E-06	4.46E-07	1.78E-03	5.63E-07	2.39E-07	2.49E-04	7.86E-08	4.52E-09	2.64E-04	8.35E-08	6.33E-09	4.48E-07	2.40E-07
4221	474363.09, 3856377.25	3.48E-03	1.10E-06	4.66E-07	1.85E-03	5.85E-07	2.48E-07	2.48E-04	7.81E-08	4.49E-09	2.64E-04	8.35E-08	6.33E-09	4.68E-07	2.50E-07
4222	474863.09, 3856377.25	3.62E-03	1.14E-06	4.85E-07	1.92E-03	6.05E-07	2.57E-07	2.40E-04	7.56E-08	4.35E-09	2.58E-04	8.14E-08	6.18E-09	4.87E-07	2.59E-07
4223	475363.09, 3856377.25	3.61E-03	1.14E-06	4.84E-07	1.90E-03	6.00E-07	2.55E-07	2.22E-04	7.02E-08	4.04E-09	2.38E-04	7.52E-08	5.71E-09	4.86E-07	2.56E-07
4224	475863.09, 3856377.25	3.29E-03	1.04E-06	4.40E-07	1.73E-03	5.46E-07	2.32E-07	2.02E-04	6.38E-08	3.67E-09	2.12E-04	6.70E-08	5.08E-09	4.42E-07	2.33E-07
4225	476363.09, 3856377.25	3.32E-03	1.05E-06	4.44E-07	1.74E-03	5.50E-07	2.34E-07	2.02E-04	6.38E-08	3.67E-09	2.12E-04	6.70E-08	5.08E-09	4.45E-07	2.35E-07
4226	476863.09, 3856377.25	3.48E-03	1.10E-06	4.65E-07	1.83E-03	5.76E-07	2.45E-07	2.08E-04	6.58E-08	3.78E-09	2.17E-04	6.85E-08	5.20E-09	4.67E-07	2.46E-07

4227	477363.09, 3856377.25	3.71E-03	1.17E-06	4.97E-07	1.95E-03	6.15E-07	2.61E-07	2.19E-04	6.92E-08	3.98E-09	2.27E-04	7.16E-08	5.44E-09	4.98E-07	2.62E-07
4228	477863.09, 3856377.25	3.56E-03	1.12E-06	4.76E-07	1.87E-03	5.90E-07	2.50E-07	2.15E-04	6.77E-08	3.90E-09	2.19E-04	6.90E-08	5.24E-09	4.77E-07	2.52E-07
4229	478363.09, 3856377.25	3.64E-03	1.15E-06	4.88E-07	1.91E-03	6.04E-07	2.56E-07	2.18E-04	6.87E-08	3.95E-09	2.19E-04	6.90E-08	5.24E-09	4.89E-07	2.58E-07
4230	478863.09, 3856377.25	4.95E-03	1.56E-06	6.63E-07	2.58E-03	8.14E-07	3.45E-07	2.63E-04	8.31E-08	4.78E-09	2.71E-04	8.55E-08	6.49E-09	6.65E-07	3.47E-07
4231	479363.09, 3856377.25	5.96E-03	1.88E-06	7.98E-07	3.09E-03	9.74E-07	4.13E-07	2.90E-04	9.15E-08	5.26E-09	3.02E-04	9.53E-08	7.23E-09	8.00E-07	4.15E-07
4232	479863.09, 3856377.25	7.77E-03	2.45E-06	1.04E-06	4.00E-03	1.26E-06	5.36E-07	3.40E-04	1.07E-07	6.17E-09	3.67E-04	1.16E-07	8.80E-09	1.04E-06	5.38E-07
4233	480363.09, 3856377.25	9.32E-03	2.94E-06	1.25E-06	4.80E-03	1.51E-06	6.42E-07	3.99E-04	1.26E-07	7.25E-09	4.31E-04	1.36E-07	1.03E-08	1.25E-06	6.45E-07
4234	480863.09, 3856377.25	1.07E-02	3.38E-06	1.43E-06	5.51E-03	1.74E-06	7.38E-07	4.64E-04	1.46E-07	8.42E-09	4.86E-04	1.54E-07	1.17E-08	1.44E-06	7.41E-07
4235	481363.09, 3856377.25	1.22E-02	3.86E-06	1.64E-06	6.31E-03	1.99E-06	8.44E-07	5.53E-04	1.75E-07	1.00E-08	5.37E-04	1.69E-07	1.29E-08	1.64E-06	8.47E-07
4236	481863.09, 3856377.25	1.41E-02	4.45E-06	1.89E-06	7.30E-03	2.30E-06	9.77E-07	6.75E-04	2.13E-07	1.23E-08	5.84E-04	1.84E-07	1.40E-08	1.89E-06	9.79E-07
4237	482363.09, 3856377.25	1.75E-02	5.52E-06	2.34E-06	9.02E-03	2.85E-06	1.21E-06	7.85E-04	2.48E-07	1.42E-08	6.15E-04	1.94E-07	1.47E-08	2.34E-06	1.21E-06
4238	482863.09, 3856377.25	2.48E-02	7.82E-06	3.32E-06	1.27E-02	4.00E-06	1.70E-06	9.24E-04	2.92E-07	1.68E-08	6.64E-04	2.10E-07	1.59E-08	3.32E-06	1.69E-06
4239	483363.09, 3856377.25	6.87E-02	2.17E-05	9.20E-06	3.42E-02	1.08E-05	4.58E-06	1.14E-03	3.59E-07	2.06E-08	7.25E-04	2.29E-07	1.74E-08	9.20E-06	4.58E-06
4240	483863.09, 3856377.25	1.54E-01	4.85E-05	2.06E-05	7.58E-02	2.39E-05	1.01E-05	1.58E-03	4.98E-07	2.86E-08	8.21E-04	2.59E-07	1.97E-08	2.06E-05	1.01E-05
4241	484363.09, 3856377.25	1.78E-01	5.63E-05	2.39E-05	8.87E-02	2.80E-05	1.19E-05	2.90E-03	9.15E-07	5.26E-08	9.92E-04	3.13E-07	2.38E-08	2.39E-05	1.18E-05
4242	484863.09, 3856377.25	2.23E-01	7.05E-05	2.99E-05	1.28E-01	4.04E-05	1.71E-05	2.98E-02	9.40E-06	5.41E-07	1.27E-03	4.02E-07	3.05E-08	2.94E-05	1.66E-05
4243	485363.09, 3856377.25	2.05E-01	6.46E-05	2.74E-05	1.05E-01	3.31E-05	1.41E-05	8.33E-03	2.63E-06	1.51E-07	1.88E-03	5.94E-07	4.51E-08	2.73E-05	1.40E-05
4244	485863.09, 3856377.25	2.03E-01	6.40E-05	2.71E-05	1.01E-01	3.19E-05	1.36E-05	3.99E-03	1.26E-06	7.25E-08	4.72E-03	1.49E-06	1.13E-07	2.72E-05	1.36E-05
4245	486363.09, 3856377.25	1.78E-01	5.62E-05	2.38E-05	8.82E-02	2.78E-05	1.18E-05	2.43E-03	7.68E-07	4.42E-08	1.80E-02	5.68E-06	4.31E-07	2.42E-05	1.22E-05
4246	486863.09, 3856377.25	8.86E-02	2.80E-05	1.19E-05	4.44E-02	1.40E-05	5.95E-06	1.98E-03	6.26E-07	3.60E-08	5.69E-03	1.80E-06	1.36E-07	1.20E-05	6.05E-06
4247	487363.09, 3856377.25	6.57E-02	2.08E-05	8.80E-06	3.31E-02	1.05E-05	4.44E-06	1.74E-03	5.50E-07	3.16E-08	3.54E-03	1.12E-06	8.48E-08	8.86E-06	4.49E-06
4248	487863.09, 3856377.25	5.33E-02	1.68E-05	7.14E-06	2.70E-02	8.52E-06	3.61E-06	1.60E-03	5.05E-07	2.91E-08	2.65E-03	8.38E-07	6.36E-08	7.17E-06	3.65E-06
4249	488363.09, 3856377.25	4.56E-02	1.44E-05	6.11E-06	2.31E-02	7.30E-06	3.10E-06	1.47E-03	4.64E-07	2.67E-08	2.17E-03	6.86E-07	5.21E-08	6.13E-06	3.12E-06
4250	488863.09, 3856377.25	4.03E-02	1.27E-05	5.39E-06	2.05E-02	6.46E-06	2.74E-06	1.36E-03	4.28E-07	2.46E-08	1.86E-03	5.86E-07	4.45E-08	5.41E-06	2.76E-06
4251	489363.09, 3856377.25	3.64E-02	1.15E-05	4.87E-06	1.85E-02	5.84E-06	2.48E-06	1.26E-03	3.97E-07	2.28E-08	1.63E-03	5.16E-07	3.91E-08	4.89E-06	2.49E-06
4252	489863.09, 3856377.25	3.32E-02	1.05E-05	4.44E-06	1.69E-02	5.33E-06	2.26E-06	1.17E-03	3.70E-07	2.13E-08	1.46E-03	4.62E-07	3.50E-08	4.45E-06	2.28E-06
4253	490363.09, 3856377.25	3.06E-02	9.67E-06	4.10E-06	1.56E-02	4.93E-06	2.09E-06	1.09E-03	3.43E-07	1.97E-08	1.33E-03	4.19E-07	3.18E-08	4.12E-06	2.10E-06
4254	490863.09, 3856377.25	2.86E-02	9.02E-06	3.83E-06	1.46E-02	4.60E-06	1.95E-06	1.01E-03	3.19E-07	1.84E-08	1.22E-03	3.86E-07	2.93E-08	3.84E-06	1.96E-06
4255	491363.09, 3856377.25	2.68E-02	8.45E-06	3.58E-06	1.36E-02	4.31E-06	1.83E-06	9.57E-04	3.02E-07	1.74E-08	1.14E-03	3.60E-07	2.73E-08	3.59E-06	1.84E-06
4256	491863.09, 3856377.25	2.52E-02	7.97E-06	3.38E-06	1.29E-02	4.06E-06	1.72E-06	9.04E-04	2.85E-07	1.64E-08	1.06E-03	3.36E-07	2.55E-08	3.39E-06	1.73E-06
4257	492363.09, 3856377.25	2.40E-02	7.57E-06	3.21E-06	1.22E-02	3.85E-06	1.64E-06	8.41E-04	2.66E-07	1.53E-08	9.89E-04	3.12E-07	2.37E-08	3.22E-06	1.64E-06
4258	492863.09, 3856377.25	2.22E-02	7.00E-06	2.97E-06	1.13E-02	3.56E-06	1.51E-06	7.47E-04	2.36E-07	1.36E-08	8.81E-04	2.78E-07	2.11E-08	2.98E-06	1.52E-06
4259	493363.09, 3856377.25	1.78E-02	5.61E-06	2.38E-06	9.05E-03	2.86E-06	1.21E-06	6.09E-04	1.92E-07	1.11E-08	6.95E-04	2.19E-07	1.67E-08	2.39E-06	1.22E-06
4260	493863.09, 3856377.25	1.48E-02	4.66E-06	1.98E-06	7.54E-03	2.38E-06	1.01E-06	5.48E-04	1.73E-07	9.95E-09	6.09E-04	1.92E-07	1.46E-08	1.98E-06	1.01E-06
4261	494363.09, 3856377.25	1.19E-02	3.75E-06	1.59E-06	6.10E-03	1.93E-06	8.17E-07	4.82E-04	1.52E-07	8.76E-09	5.19E-04	1.64E-07	1.24E-08	1.60E-06	8.20E-07
4262	494863.09, 3856377.25	9.98E-03	3.15E-06	1.34E-06	5.14E-03	1.62E-06	6.88E-07	4.32E-04	1.36E-07	7.85E-09	4.57E-04	1.44E-07	1.09E-08	1.34E-06	6.91E-07
4263	495363.09, 3856377.25	8.88E-03	2.80E-06	1.19E-06	4.58E-03	1.45E-06	6.13E-07	4.01E-04	1.27E-07	7.28E-09	4.19E-04	1.32E-07	1.00E-08	1.19E-06	6.16E-07
4264	495863.09, 3856377.25	8.53E-03	2.69E-06	1.14E-06	4.41E-03	1.39E-06	5.90E-07	3.93E-04	1.24E-07	7.14E-09	4.11E-04	1.30E-07	9.85E-09	1.15E-06	5.93E-07
4265	496363.09, 3856377.25	8.45E-03	2.67E-06	1.13E-06	4.37E-03	1.38E-06	5.85E-07	3.93E-04	1.24E-07	7.14E-09	4.11E-04	1.30E-07	9.85E-09	1.13E-06	5.88E-07
4266	496863.09, 3856377.25	8.60E-03	2.71E-06	1.15E-06	4.44E-03	1.40E-06	5.95E-07	4.01E-04	1.27E-07	7.28E-09	4.21E-04	1.33E-07	1.01E-08	1.15E-06	5.98E-07
4267	497363.09, 3856377.25	8.73E-03	2.75E-06	1.17E-06	4.51E-03	1.42E-06	6.04E-07	4.10E-04	1.30E-07	7.45E-09	4.31E-04	1.36E-07	1.03E-08	1.17E-06	6.07E-07
4268	497863.09, 3856377.25	9.06E-03	2.86E-06	1.21E-06	4.68E-03	1.48E-06	6.27E-07	4.23E-04	1.33E-07	7.68E-09	4.47E-04	1.41E-07	1.07E-08	1.22E-06	6.30E-07
4269	498363.09, 3856377.25	9.56E-03	3.02E-06	1.28E-06	4.94E-03	1.56E-06	6.61E-07	4.40E-04	1.39E-07	7.99E-09	4.68E-04	1.48E-07	1.12E-08	1.28E-06	6.65E-07
4270	471363.09, 3856877.25	2.51E-03	7.92E-07	3.36E-07	1.35E-03	4.27E-07	1.81E-07	2.01E-04	6.33E-08	3.64E-09	2.12E-04	6.70E-08	5.08E-09	3.38E-07	1.82E-07
4271	471863.09, 3856877.25	2.62E-03	8.28E-07	3.51E-07	1.41E-03	4.45E-07	1.89E-07	2.04E-04	6.43E-08	3.70E-09	2.17E-04	6.85E-08	5.20E-09	3.53E-07	1.90E-07
4272	472363.09, 3856877.25	2.76E-03	8.70E-07	3.69E-07	1.48E-03	4.66E-07	1.98E-07	2.10E-04	6.63E-08	3.81E-09	2.24E-04	7.06E-08	5.36E-09	3.71E-07	1.99E-07
4273	472863.09, 3856877.25	2.90E-03	9.16E-07	3.89E-07	1.55E-03	4.90E-07	2.08E-07	2.16E-04	6.82E-08	3.92E-09	2.30E-04	7.26E-08	5.51E-09	3.90E-07	2.09E-07
4274	473363.09, 3856877.25	3.08E-03	9.73E-07	4.13E-07	1.65E-03	5.20E-07	2.21E-07	2.29E-04	7.22E-08	4.15E-09	2.43E-04	7.68E-08	5.83E-09	4.15E-07	2.22E-07
4275	473863.09, 3856877.25	3.26E-03	1.03E-06	4.37E-07	1.74E-03	5.49E-07	2.33E-07	2.37E-04	7.47E-08	4.29E-09	2.51E-04	7.93E-08	6.02E-09	4.38E-07	2.35E-07
4276	474363.09, 3856877.25	3.41E-03	1.08E-06	4.57E-07	1.81E-03	5.72E-07	2.43E-07	2.37E-04	7.47E-08	4.29E-09	2.53E-04	7.99E-08	6.06E-09	4.59E-07	2.45E-07
4277	474863.09, 3856877.25	3.55E-03	1.12E-06	4.76E-07	1.88E-03	5.93E-07	2.52E-07	2.30E-04	7.27E-08	4.18E-09	2.48E-04	7.83E-08	5.94E-09	4.78E-07	2.53E-07
4278	475363.09, 3856877.25	3.59E-03	1.13E-06	4.81E-07	1.89E-03	5.97E-07	2.53E-07	2.19E-04	6.92E-08	3.98E-09	2.37E-04	7.47E-08	5.67E-09	4.83E-07	2.55E-07
4279	475863.09, 3856877.25	3.76E-03	1.19E-06	5.04E-07	1.97E-03	6.23E-07	2.64E-07	2.21E-04	6.97E-08	4.01E-09	2.37E-04	7.47E-08	5.67E-09	5.05E-07	2.66E-07
4280	476363.09, 3856877.25	3.74E-03	1.18E-06	5.01E-07	1.96E-03	6.18E-07	2.62E-07	2.13E-04	6.72E-08	3.87E-09	2.27E-04	7.16E-08	5.44E-09	5.02E-07	2.64E-07
4281	476863.09, 3856877.25	3.80E-03	1.20E-06	5.09E-07	1.99E-03	6.27E-07	2.66E-07	2.15E-04	6.77E-08	3.90E-09	2.27E-04	7.16E-08	5.44E-09	5.10E-07	2.68E-07
4282	477363.09, 3856877.25	3.76E-03	1.19E-06	5.03E-07	1.97E-03	6.20E-07	2.63E-07	2.13E-04	6.72E-08	3.87E-09	2.24E-04	7.06E-08	5.36E-09	5.04E-07	2.65E-07
4283	477863.09, 3856877.25	3.36E-03	1.06E-06	4.50E-07	1.77E-03	5.57E-07	2.36E-07	2.02E-04	6.38E-08	3.67E-09	2.07E-04	6.54E-08	4.97E-09	4.51E-07	2.38E-07
4284	478363.09, 3856877.25	3.40E-03	1.07E-06	4.56E-07	1.79E-03	5.64E-07	2.39E-07	2.04E-04	6.43E-08	3.70E-09	2.06E-04	6.49E-08	4.93E-09	4.57E-07	2.41E-07
4285	478863.09, 3856877.25	3.86E-03	1.22E-06	5.16E-07	2.02E-03	6.38E-07	2.71E-07	2.22E-04	7.02E-08	4.04E-09	2.25E-04	7.11E-08	5.40E-09	5.18E-07	2.72E-07
4286	479363.09, 3856877.25	4.57E-03	1.44E-06	6.12E-07	2.38E-03	7.52E-07	3.19E-07	2.44E-04	7.71E-08	4.44E-09	2.51E-04	7.93E-08	6.02E-09	6.14E-07	3.21E-07
4287	479863.09, 3856877.25	7.32E-03	2.31E-06	9.80E-07	3.76E-03	1.19E-06	5.04E-07	3.13E-04	9.89E-08	5.69E-09	3.40E-04	1.07E-07	8.13E-09	9.83E-07	5.07E-07
4288	480363.09, 3856877.25	8.80E-03	2.78E-06	1.18E-06	4.53E-03	1.43E-06	6.06E-07	3.74E-04	1.18E-07	6.80E-09	4.05E-04	1.28E-07	9.70E-09	1.18E-06	6.09E-07
4289	480863.09, 3856877.25	9.84E-03	3.11E-06	1.32E-06	5.08E-03	1.60E-06	6.81E-07	4.51E-04	1.42E-07	8.19E-09	4.62E-04	1.46E-07	1.11E-08	1.32E-06	6.83E-07
4290	481363.09, 3856877.25	1.09E-02	3.43E-06	1.46E-06	5.63E-03	1.78E-06	7.54E-07	5.25E-04	1.66E-07	9.53E-09	4.98E-04	1.57E-07	1.19E-08	1.46E-06	7.57E-07
4291	481863.09, 3856877.25	1.24E-02	3.91E-06	1.66E-06	6.41E-03	2.02E-06	8.58E-07	5.84E-04	1.84E-07	1.06E-08	5.30E-04	1.67E-07	1.27E-08	1.66E-06	8.60E-07
4292	482363.09, 3856877.25	1.42E-02	4.49E-06	1.90E-06	7.36E-03	2.32E-06	9.86E-07	6.88E-04	2.17E-07	1.25E-08	5.62E-04	1.77E-07	1.35E-08	1.90E-06	9.87E-07
4293	482863.09, 3856877.25	1.81E-02	5.73E-06	2.43E-06	9.34E-03	2.95E-06	1.25E-06	7.79E-04	2.46E-07	1.41E-08	6.01E-04	1.90E-07	1.44E-08	2.43E-06	1.25E-06
4294	483363.09, 3856877.25	2.90E-02	9.14E-06	3.88E-06	1.47E-02	4.63E-06	1.97E-06	9.01E-04	2.84E-07	1.64E-08	6.51E-04	2.06E-07	1.56E-08	3.88E-06	1.96E-06
4295	483863.09, 3856877.25	1.25E-01	3.93E-05	1.67E-05	6.13E-02	1.94E-05	8.21E-06	1.09E-03	3.46E-07	1.99E-08	7.17E-04	2.26E-07	1.72E-08	1.67E-05	8.21E-06
4296	484363.09, 3856877.25	1.57E-01	4.94E-05	2.10E-05	7.72E-02	2.44E-05	1.03E-05	1.49E-03	4.72E-07	2.71E-08	8.16E-04	2.58E-07	1.96E-08	2.10E-05	1.03E-05
4297	484863.09, 3856877.25	1.73E-01	5.47E-05	2.32E-05	8.60E-02	2.71E-05	1.15E-05	2.41E-03	7.61E-07	4.38E-08	9.71E-04	3.07E-07	2.33E-08	2.32E-05	1.15E-05
4298	485363.09, 3856877.25	1.92E-01	6.06E-05	2.57E-05	9.93E-02	3.13E-05	1.33E-05	9.02E-03	2.85E-06	1.64E-07	1.24E-03	3.91E-07	2.97E-08	2.56E-05	1.32E-05
4299	485863.09, 3856877.25	2.04E-01	6.43E-05	2.73E-05	1.07E-01	3.37E-05	1.43E-05	1.18E-02	3.71E-06	2.14E-07	1.81E-03	5.71E-07	4.34E-08	2.71E-05	1.41E-05
4300	486363.09, 3856877.25	2.04E-01	6.43E-05	2.73E-05	1.02E-01	3.21E-05	1.36E-05	3.86E-03	1.22E-06	7.02E-08	4.46E-03	1.41E-06	1.07E-07	2.73E-05	1.37E-05
4301	486863.09, 3856877.25	1.89E-01	5.96E-05	2.53E-05	9.38E-02	2.96E-05	1.26E-05	2.79E-03	8.81E-07	5.06E-08	2.09E-02	6.60E-06	5.01E-07	2.58E-05	1.30E-05
4302	487363.09, 3856877.25	1.31E-01	4.15E-05	1.76E-05	6.55E-02	2.07E-05	8.77E-06	2.32E-03	7.32E-07	4.21E-08	5.90E-03	1.86E-06	1.41E-07	1.77E-05	8.87E-06
4303	487863.09, 3856877.25	9.90E-02	3.12E-05	1.33E-05	4.95E-02	1.56E-05	6.62E-06	2.02E-03	6.36E-07	3.66E-08	3.60E-03	1.14E-06	8.62E-08	1.33E-05	6.67E-06
4304	488363.09, 3856877.25	6.11E-02	1.93E-05	8.18E-06	3.09E-02	9.75E-06	4.14E-06	1.82E-03	5.73E-07	3.30E-08	2.67E-03	8.43E-07	6.40E-08	8.21E-06	4.17E-06
4305	488863.09, 3856877.25	4.90E-02	1.55E-05	6.56E-06	2.49E-02	7.86E-06	3.33E-06	1.64E-03	5.17E-07	2.97E-08	2.17E-03	6.86E-07	5.21E-08	6.58E-06	3.36E-06
4306	489363.09, 3856877.25	4.19E-02	1.32E-05	5.62E-06	2.14E-02	6.75E-06	2.86E-06	1.50E-03	4.74E-07	2.72E-08	1.86E-03	5.88E-07	4.47E-08	5.63E-06	2.88E-06
4307	489863.09, 3856877.25	3.73E-02	1.18E-05	4.99E-06	1.90E-02	6.00E-06	2.55E-06	1.37E-03	4.34E-07	2.49E-08	1.64E-03	5.18E-07	3.93E-08	5.00E-06	2.56E-06
4308	490363.09, 3856877.25	3.40E-02	1.07E-05	4.56E-06	1.74E-02	5.48E-06	2.33E-06	1.25E-03	3.95E-07	2.27E-08	1.47E-03	4.64E-07	3.52E-08	4.57E-06	2.34E-06
4309	490863.09, 3856877.25	3.14E-02	9.91E-06	4.21E-06	1.60E-02	5.06E-06	2.15E-06	1.15E-03	3.63E-07	2.09E-08	1.33E-03	4.19E-07	3.18E-08	4.22E-06	2.16E-06
4310	491363.09, 3856877.25	2.93E-02	9.23E-06	3.92E-06	1.49E-02	4.71E-06	2.00E-06	1.07E-03	3.36E-07	1.93E-08	1.21E-03	3.83E-07	2.91E-08	3.93E-06	2.01E-06
4311	491863.09, 3856877.25	2.84E-02	8.96E-06	3.80E-06	1.45E-02	4.56E-06	1.94E-06	9.84E-04	3.10E-07	1.79E-08	1.11E-03	3.52E-07	2.67E-08	3.81E-06	1.94E-06
4312	492363.09, 3856877.25	2.62E-02	8.26E-06	3.51E-06	1.33E-02	4.19E-06	1.78E-06	8.35E-04	2.64E-07	1.52E-08	9.63E-04	3.04E-07	2.31E-08	3.51E-06	1.79E-06
4313	492863.09, 3856877.25	2.30E-02	7.26E-06	3.08E-06	1.17E-02	3.68E-06	1.56E-06	7.32E-04	2.31E-07	1.33E-08	8.34E-04	2.63E-07	2.00E-08	3.09E-06	1.57E-06
4314	493363.09, 3856877.25	1.89E-02	5.97E-06	2.53E-06	9.61E-03	3.03E-06	1.29E-06	6.36E-04	2.01E-07	1.15E-08	7.05E-04	2.23E-07	1.69E-08	2.54E-06	1.29E-06
4315	493863.09, 3856877.25	1.42E-02	4.49E-06	1.91E-06	7.28E-03	2.30E-06	9.75E-07	5.45E-04	1.72E-07	9.90E-09	5.86E-04	1.85E-07	1.40E-08	1.91E-06	9.79E-07
4316	494363.09, 3856877.25	1.13E-02	3.57E-06	1.52E-06	5.82E-03	1.84E-06	7.79E-07	4.81E-04	1.52E-07	8.73E-09	5.04E-04	1.59E-07	1.21E-08	1.52E-06	7.83E-07

4317	494863.09, 3856877.25	1.01E-02	3.19E-06	1.35E-06	5.21E-03	1.64E-06	6.98E-07	4.50E-04	1.42E-07	8.16E-09	4.67E-04	1.47E-07	1.12E-08	1.36E-06	7.01E-07
4318	495363.09, 3856877.25	9.42E-03	2.97E-06	1.26E-06	4.86E-03	1.53E-06	6.51E-07	4.31E-04	1.36E-07	7.82E-09	4.46E-04	1.41E-07	1.07E-08	1.26E-06	6.54E-07
4319	495863.09, 3856877.25	9.12E-03	2.88E-06	1.22E-06	4.71E-03	1.49E-06	6.31E-07	4.25E-04	1.34E-07	7.71E-09	4.41E-04	1.39E-07	1.06E-08	1.22E-06	6.34E-07
4320	496363.09, 3856877.25	8.93E-03	2.82E-06	1.20E-06	4.62E-03	1.46E-06	6.19E-07	4.21E-04	1.33E-07	7.65E-09	4.37E-04	1.38E-07	1.05E-08	1.20E-06	6.22E-07
4321	496863.09, 3856877.25	8.92E-03	2.81E-06	1.19E-06	4.62E-03	1.46E-06	6.18E-07	4.26E-04	1.34E-07	7.73E-09	4.42E-04	1.40E-07	1.06E-08	1.20E-06	6.21E-07
4322	497363.09, 3856877.25	9.09E-03	2.87E-06	1.22E-06	4.71E-03	1.49E-06	6.30E-07	4.35E-04	1.37E-07	7.91E-09	4.54E-04	1.43E-07	1.09E-08	1.22E-06	6.33E-07
4323	497863.09, 3856877.25	9.72E-03	3.07E-06	1.30E-06	5.03E-03	1.59E-06	6.73E-07	4.56E-04	1.44E-07	8.27E-09	4.78E-04	1.51E-07	1.15E-08	1.31E-06	6.76E-07
4324	498363.09, 3856877.25	1.05E-02	3.31E-06	1.40E-06	5.41E-03	1.71E-06	7.25E-07	4.79E-04	1.51E-07	8.70E-09	5.08E-04	1.60E-07	1.22E-08	1.41E-06	7.28E-07
4325	471363.09, 3857377.25	2.50E-03	7.90E-07	3.35E-07	1.35E-03	4.25E-07	1.80E-07	1.96E-04	6.18E-08	3.55E-09	2.09E-04	6.59E-08	5.01E-09	3.37E-07	1.82E-07
4326	471863.09, 3857377.25	2.60E-03	8.22E-07	3.49E-07	1.40E-03	4.41E-07	1.87E-07	1.99E-04	6.28E-08	3.61E-09	2.12E-04	6.70E-08	5.08E-09	3.50E-07	1.88E-07
4327	472363.09, 3857377.25	2.73E-03	8.63E-07	3.66E-07	1.46E-03	4.62E-07	1.96E-07	2.04E-04	6.43E-08	3.70E-09	2.17E-04	6.85E-08	5.20E-09	3.68E-07	1.97E-07
4328	472863.09, 3857377.25	2.87E-03	9.05E-07	3.84E-07	1.53E-03	4.83E-07	2.05E-07	2.10E-04	6.63E-08	3.81E-09	2.24E-04	7.06E-08	5.36E-09	3.85E-07	2.07E-07
4329	473363.09, 3857377.25	3.03E-03	9.56E-07	4.05E-07	1.61E-03	5.09E-07	2.16E-07	2.18E-04	6.87E-08	3.95E-09	2.32E-04	7.32E-08	5.55E-09	4.07E-07	2.18E-07
4330	473863.09, 3857377.25	3.21E-03	1.01E-06	4.29E-07	1.71E-03	5.39E-07	2.29E-07	2.29E-04	7.22E-08	4.15E-09	2.42E-04	7.62E-08	5.79E-09	4.31E-07	2.30E-07
4331	474363.09, 3857377.25	3.34E-03	1.05E-06	4.47E-07	1.77E-03	5.58E-07	2.37E-07	2.22E-04	7.02E-08	4.04E-09	2.37E-04	7.47E-08	5.67E-09	4.48E-07	2.38E-07
4332	474863.09, 3857377.25	3.32E-03	1.05E-06	4.45E-07	1.75E-03	5.52E-07	2.34E-07	2.02E-04	6.38E-08	3.67E-09	2.19E-04	6.90E-08	5.24E-09	4.47E-07	2.36E-07
4333	475363.09, 3857377.25	3.01E-03	9.51E-07	4.04E-07	1.59E-03	5.00E-07	2.12E-07	1.83E-04	5.78E-08	3.33E-09	1.94E-04	6.13E-08	4.65E-09	4.05E-07	2.14E-07
4334	475863.09, 3857377.25	3.00E-03	9.47E-07	4.02E-07	1.58E-03	4.98E-07	2.11E-07	1.82E-04	5.74E-08	3.30E-09	1.93E-04	6.08E-08	4.61E-09	4.03E-07	2.13E-07
4335	476363.09, 3857377.25	3.52E-03	1.11E-06	4.71E-07	1.84E-03	5.81E-07	2.46E-07	1.99E-04	6.28E-08	3.61E-09	2.11E-04	6.65E-08	5.04E-09	4.72E-07	2.48E-07
4336	476863.09, 3857377.25	3.73E-03	1.18E-06	5.00E-07	1.95E-03	6.15E-07	2.61E-07	2.07E-04	6.53E-08	3.75E-09	2.19E-04	6.90E-08	5.24E-09	5.01E-07	2.63E-07
4337	477363.09, 3857377.25	3.68E-03	1.16E-06	4.92E-07	1.92E-03	6.07E-07	2.57E-07	2.05E-04	6.48E-08	3.73E-09	2.15E-04	6.80E-08	5.16E-09	4.94E-07	2.59E-07
4338	477863.09, 3857377.25	3.34E-03	1.06E-06	4.48E-07	1.76E-03	5.54E-07	2.35E-07	1.99E-04	6.28E-08	3.61E-09	2.06E-04	6.49E-08	4.93E-09	4.49E-07	2.36E-07
4339	478363.09, 3857377.25	3.19E-03	1.01E-06	4.27E-07	1.68E-03	5.29E-07	2.25E-07	1.94E-04	6.13E-08	3.53E-09	1.96E-04	6.18E-08	4.69E-09	4.28E-07	2.26E-07
4340	478863.09, 3857377.25	3.17E-03	1.00E-06	4.25E-07	1.67E-03	5.26E-07	2.23E-07	1.91E-04	6.03E-08	3.47E-09	1.93E-04	6.08E-08	4.61E-09	4.26E-07	2.24E-07
4341	479363.09, 3857377.25	3.90E-03	1.23E-06	5.22E-07	2.04E-03	6.44E-07	2.73E-07	2.21E-04	6.97E-08	4.01E-09	2.25E-04	7.11E-08	5.40E-09	5.23E-07	2.75E-07
4342	479863.09, 3857377.25	6.62E-03	2.09E-06	8.86E-07	3.40E-03	1.07E-06	4.56E-07	2.82E-04	8.90E-08	5.12E-09	3.05E-04	9.63E-08	7.31E-09	8.88E-07	4.58E-07
4343	480363.09, 3857377.25	6.37E-03	2.01E-06	8.53E-07	3.28E-03	1.03E-06	4.39E-07	2.77E-04	8.75E-08	5.03E-09	2.94E-04	9.27E-08	7.04E-09	8.55E-07	4.41E-07
4344	480863.09, 3857377.25	9.10E-03	2.87E-06	1.22E-06	4.70E-03	1.48E-06	6.30E-07	4.23E-04	1.33E-07	7.68E-09	4.33E-04	1.37E-07	1.04E-08	1.22E-06	6.33E-07
4345	481363.09, 3857377.25	1.02E-02	3.22E-06	1.37E-06	5.25E-03	1.66E-06	7.03E-07	4.42E-04	1.39E-07	8.02E-09	4.52E-04	1.43E-07	1.08E-08	1.37E-06	7.06E-07
4346	481863.09, 3857377.25	1.11E-02	3.52E-06	1.49E-06	5.75E-03	1.82E-06	7.70E-07	5.06E-04	1.60E-07	9.18E-09	4.90E-04	1.55E-07	1.17E-08	1.50E-06	7.73E-07
4347	482363.09, 3857377.25	1.19E-02	3.76E-06	1.59E-06	6.19E-03	1.95E-06	8.29E-07	6.06E-04	1.91E-07	1.10E-08	5.22E-04	1.65E-07	1.25E-08	1.60E-06	8.30E-07
4348	482863.09, 3857377.25	1.36E-02	4.30E-06	1.82E-06	7.06E-03	2.23E-06	9.45E-07	6.74E-04	2.13E-07	1.22E-08	5.48E-04	1.73E-07	1.31E-08	1.82E-06	9.46E-07
4349	483363.09, 3857377.25	1.60E-02	5.06E-06	2.15E-06	8.29E-03	2.62E-06	1.11E-06	7.52E-04	2.37E-07	1.36E-08	5.88E-04	1.85E-07	1.41E-08	2.15E-06	1.11E-06
4350	483863.09, 3857377.25	1.93E-02	6.10E-06	2.59E-06	9.96E-03	3.14E-06	1.33E-06	8.71E-04	2.75E-07	1.58E-08	6.43E-04	2.03E-07	1.54E-08	2.59E-06	1.33E-06
4351	484363.09, 3857377.25	2.49E-02	7.86E-06	3.34E-06	1.28E-02	4.04E-06	1.71E-06	1.05E-03	3.33E-07	1.91E-08	7.12E-04	2.25E-07	1.70E-08	3.33E-06	1.71E-06
4352	484863.09, 3857377.25	3.37E-02	1.06E-05	4.51E-06	1.73E-02	5.46E-06	2.32E-06	1.39E-03	4.39E-07	2.53E-08	8.18E-04	2.58E-07	1.96E-08	4.51E-06	2.31E-06
4353	485363.09, 3857377.25	5.93E-02	1.87E-05	7.94E-06	3.02E-02	9.53E-06	4.04E-06	2.07E-03	6.54E-07	3.76E-08	9.58E-04	3.02E-07	2.30E-08	7.92E-06	4.03E-06
4354	485863.09, 3857377.25	1.54E-01	4.85E-05	2.06E-05	7.79E-02	2.46E-05	1.04E-05	4.91E-03	1.55E-06	8.92E-08	1.20E-03	3.78E-07	2.87E-08	2.05E-05	1.04E-05
4355	486363.09, 3857377.25	1.97E-01	6.21E-05	2.63E-05	1.07E-01	3.39E-05	1.44E-05	1.78E-02	5.62E-06	3.23E-07	1.78E-03	5.62E-07	4.26E-08	2.61E-05	1.41E-05
4356	486863.09, 3857377.25	1.95E-01	6.17E-05	2.62E-05	9.83E-02	3.10E-05	1.32E-05	4.90E-03	1.55E-06	8.89E-08	4.09E-03	1.29E-06	9.80E-08	2.62E-05	1.32E-05
4357	487363.09, 3857377.25	1.92E-01	6.05E-05	2.57E-05	9.55E-02	3.01E-05	1.28E-05	3.48E-03	1.10E-06	6.32E-08	2.48E-02	7.84E-06	5.95E-07	2.62E-05	1.33E-05
4358	487863.09, 3857377.25	1.37E-01	4.34E-05	1.84E-05	6.87E-02	2.17E-05	9.20E-06	2.83E-03	8.94E-07	5.14E-08	6.11E-03	1.93E-06	1.46E-07	1.85E-05	9.30E-06
4359	488363.09, 3857377.25	8.36E-02	2.64E-05	1.12E-05	4.23E-02	1.33E-05	5.66E-06	2.39E-03	7.54E-07	4.34E-08	3.66E-03	1.16E-06	8.78E-08	1.12E-05	5.70E-06
4360	488863.09, 3857377.25	5.81E-02	1.83E-05	7.78E-06	2.96E-02	9.35E-06	3.97E-06	2.09E-03	6.58E-07	3.78E-08	2.71E-03	8.55E-07	6.49E-08	7.80E-06	3.99E-06
4361	489363.09, 3857377.25	4.76E-02	1.50E-05	6.38E-06	2.44E-02	7.69E-06	3.26E-06	1.85E-03	5.83E-07	3.35E-08	2.20E-03	6.93E-07	5.26E-08	6.40E-06	3.28E-06
4362	489863.09, 3857377.25	4.17E-02	1.32E-05	5.58E-06	2.14E-02	6.74E-06	2.86E-06	1.64E-03	5.18E-07	2.98E-08	1.87E-03	5.90E-07	4.48E-08	5.60E-06	2.88E-06
4363	490363.09, 3857377.25	3.78E-02	1.19E-05	5.06E-06	1.93E-02	6.10E-06	2.59E-06	1.48E-03	4.66E-07	2.68E-08	1.64E-03	5.18E-07	3.93E-08	5.07E-06	2.60E-06
4364	490863.09, 3857377.25	3.46E-02	1.09E-05	4.63E-06	1.77E-02	5.58E-06	2.37E-06	1.34E-03	4.23E-07	2.43E-08	1.47E-03	4.63E-07	3.52E-08	4.64E-06	2.38E-06
4365	491363.09, 3857377.25	3.21E-02	1.01E-05	4.30E-06	1.64E-02	5.18E-06	2.20E-06	1.23E-03	3.88E-07	2.23E-08	1.33E-03	4.19E-07	3.18E-08	4.31E-06	2.21E-06
4366	491863.09, 3857377.25	3.02E-02	9.53E-06	4.04E-06	1.54E-02	4.86E-06	2.06E-06	1.09E-03	3.45E-07	1.98E-08	1.19E-03	3.74E-07	2.84E-08	4.05E-06	2.07E-06
4367	492363.09, 3857377.25	2.72E-02	8.59E-06	3.64E-06	1.38E-02	4.36E-06	1.85E-06	8.68E-04	2.74E-07	1.58E-08	9.63E-04	3.04E-07	2.31E-08	3.65E-06	1.86E-06
4368	492863.09, 3857377.25	2.22E-02	7.02E-06	2.98E-06	1.13E-02	3.56E-06	1.51E-06	7.17E-04	2.26E-07	1.30E-08	7.79E-04	2.46E-07	1.87E-08	2.98E-06	1.52E-06
4369	493363.09, 3857377.25	1.65E-02	5.22E-06	2.22E-06	8.45E-03	2.67E-06	1.13E-06	6.13E-04	1.93E-07	1.11E-08	6.45E-04	2.03E-07	1.54E-08	2.22E-06	1.14E-06
4370	493863.09, 3857377.25	1.42E-02	4.48E-06	1.90E-06	7.27E-03	2.29E-06	9.73E-07	5.67E-04	1.79E-07	1.03E-08	5.89E-04	1.86E-07	1.41E-08	1.90E-06	9.77E-07
4371	494363.09, 3857377.25	1.22E-02	3.84E-06	1.63E-06	6.25E-03	1.97E-06	8.37E-07	5.23E-04	1.65E-07	9.50E-09	5.39E-04	1.70E-07	1.29E-08	1.63E-06	8.41E-07
4372	494863.09, 3857377.25	1.11E-02	3.51E-06	1.49E-06	5.73E-03	1.81E-06	7.67E-07	5.00E-04	1.58E-07	9.07E-09	5.14E-04	1.62E-07	1.23E-08	1.49E-06	7.70E-07
4373	495363.09, 3857377.25	1.03E-02	3.26E-06	1.38E-06	5.34E-03	1.69E-06	7.15E-07	4.81E-04	1.52E-07	8.73E-09	4.93E-04	1.56E-07	1.18E-08	1.39E-06	7.18E-07
4374	495863.09, 3857377.25	9.98E-03	3.15E-06	1.34E-06	5.16E-03	1.63E-06	6.91E-07	4.73E-04	1.49E-07	8.59E-09	4.86E-04	1.54E-07	1.17E-08	1.34E-06	6.94E-07
4375	496363.09, 3857377.25	9.75E-03	3.08E-06	1.31E-06	5.05E-03	1.59E-06	6.76E-07	4.68E-04	1.48E-07	8.50E-09	4.83E-04	1.52E-07	1.16E-08	1.31E-06	6.79E-07
4376	496863.09, 3857377.25	9.61E-03	3.03E-06	1.29E-06	4.98E-03	1.57E-06	6.67E-07	4.67E-04	1.47E-07	8.47E-09	4.83E-04	1.52E-07	1.16E-08	1.29E-06	6.70E-07
4377	497363.09, 3857377.25	9.83E-03	3.10E-06	1.32E-06	5.09E-03	1.61E-06	6.81E-07	4.73E-04	1.49E-07	8.59E-09	4.91E-04	1.55E-07	1.18E-08	1.32E-06	6.84E-07
4378	497863.09, 3857377.25	1.03E-02	3.24E-06	1.38E-06	5.32E-03	1.68E-06	7.12E-07	4.87E-04	1.54E-07	8.84E-09	5.09E-04	1.61E-07	1.22E-08	1.38E-06	7.15E-07
4379	498363.09, 3857377.25	1.15E-02	3.65E-06	1.55E-06	5.96E-03	1.88E-06	7.99E-07	5.29E-04	1.67E-07	9.61E-09	5.60E-04	1.77E-07	1.34E-08	1.55E-06	8.02E-07
4380	471363.09, 3857877.25	2.50E-03	7.88E-07	3.34E-07	1.34E-03	4.22E-07	1.79E-07	1.90E-04	5.98E-08	3.44E-09	2.01E-04	6.34E-08	4.81E-09	3.36E-07	1.80E-07
4381	471863.09, 3857877.25	2.60E-03	8.19E-07	3.48E-07	1.39E-03	4.38E-07	1.86E-07	1.93E-04	6.08E-08	3.50E-09	2.04E-04	6.44E-08	4.89E-09	3.49E-07	1.87E-07
4382	472363.09, 3857877.25	2.71E-03	8.56E-07	3.63E-07	1.45E-03	4.57E-07	1.94E-07	1.97E-04	6.23E-08	3.58E-09	2.09E-04	6.59E-08	5.01E-09	3.65E-07	1.95E-07
4383	472863.09, 3857877.25	2.85E-03	8.98E-07	3.81E-07	1.52E-03	4.79E-07	2.03E-07	2.05E-04	6.48E-08	3.73E-09	2.17E-04	6.85E-08	5.20E-09	3.83E-07	2.05E-07
4384	473363.09, 3857877.25	2.99E-03	9.44E-07	4.00E-07	1.59E-03	5.02E-07	2.13E-07	2.10E-04	6.63E-08	3.81E-09	2.24E-04	7.06E-08	5.36E-09	4.02E-07	2.15E-07
4385	473863.09, 3857877.25	3.15E-03	9.96E-07	4.22E-07	1.68E-03	5.29E-07	2.25E-07	2.19E-04	6.92E-08	3.98E-09	2.32E-04	7.32E-08	5.55E-09	4.24E-07	2.26E-07
4386	474363.09, 3857877.25	3.27E-03	1.03E-06	4.37E-07	1.73E-03	5.45E-07	2.31E-07	2.10E-04	6.63E-08	3.81E-09	2.25E-04	7.11E-08	5.40E-09	4.39E-07	2.33E-07
4387	474863.09, 3857877.25	3.17E-03	1.00E-06	4.25E-07	1.67E-03	5.26E-07	2.23E-07	1.90E-04	5.98E-08	3.44E-09	2.04E-04	6.44E-08	4.89E-09	4.26E-07	2.25E-07
4388	475363.09, 3857877.25	2.57E-03	8.13E-07	3.45E-07	1.36E-03	4.28E-07	1.82E-07	1.61E-04	5.09E-08	2.93E-09	1.70E-04	5.36E-08	4.07E-09	3.46E-07	1.83E-07
4389	475863.09, 3857877.25	2.02E-03	6.38E-07	2.71E-07	1.07E-03	3.38E-07	1.43E-07	1.36E-04	4.30E-08	2.47E-09	1.40E-04	4.43E-08	3.36E-09	2.71E-07	1.44E-07
4390	476363.09, 3857877.25	2.90E-03	9.16E-07	3.89E-07	1.52E-03	4.81E-07	2.04E-07	1.71E-04	5.39E-08	3.10E-09	1.80E-04	5.67E-08	4.30E-09	3.90E-07	2.05E-07
4391	476863.09, 3857877.25	3.33E-03	1.05E-06	4.46E-07	1.74E-03	5.50E-07	2.33E-07	1.85E-04	5.83E-08	3.36E-09	1.96E-04	6.18E-08	4.69E-09	4.48E-07	2.35E-07
4392	477363.09, 3857877.25	3.44E-03	1.08E-06	4.60E-07	1.80E-03	5.67E-07	2.40E-07	1.90E-04	5.98E-08	3.44E-09	1.99E-04	6.29E-08	4.77E-09	4.62E-07	2.42E-07
4393	477863.09, 3857877.25	3.47E-03	1.09E-06	4.65E-07	1.81E-03	5.72E-07	2.43E-07	1.93E-04	6.08E-08	3.50E-09	2.02E-04	6.39E-08	4.85E-09	4.66E-07	2.44E-07
4394	478363.09, 3857877.25	2.83E-03	8.94E-07	3.79E-07	1.49E-03	4.71E-07	2.00E-07	1.77E-04	5.59E-08	3.21E-09	1.80E-04	5.67E-08	4.30E-09	3.80E-07	2.01E-07
4395	478863.09, 3857877.25	2.80E-03	8.84E-07	3.75E-07	1.48E-03	4.66E-07	1.98E-07	1.74E-04	5.49E-08	3.16E-09	1.76E-04	5.56E-08	4.22E-09	3.76E-07	1.99E-07
4396	479363.09, 3857877.25	5.78E-03	1.82E-06	7.74E-07	2.98E-03	9.40E-07	3.99E-07	2.58E-04	8.16E-08	4.69E-09	2.82E-04	8.91E-08	6.76E-09	7.76E-07	4.01E-07
4397	479863.09, 3857877.25	7.02E-03	2.22E-06	9.40E-07	3.63E-03	1.15E-06	4.86E-07	3.27E-04	1.03E-07	5.94E-09	3.53E-04	1.11E-07	8.45E-09	9.43E-07	4.88E-07
4398	480363.09, 3857877.25	7.53E-03	2.38E-06	1.01E-06	3.90E-03	1.23E-06	5.23E-07	3.73E-04	1.18E-07	6.77E-09	3.84E-04	1.21E-07	9.19E-09	1.01E-06	5.25E-07
4399	480863.09, 3857877.25	8.21E-03	2.59E-06	1.10E-06	4.25E-03	1.34E-06	5.69E-07	3.93E-04	1.24E-07	7.14E-09	4.03E-04	1.27E-07	9.66E-09	1.10E-06	5.71E-07
4400	481363.09, 3857877.25	8.97E-03	2.83E-06	1.20E-06	4.63E-03	1.46E-06	6.21E-07	4.15E-04	1.31E-07	7.54E-09	4.23E-04	1.33E-07	1.01E-08	1.20E-06	6.23E-07
4401	481863.09, 3857877.25	9.68E-03	3.05E-06	1.30E-06	5.00E-03	1.58E-06	6.70E-07	4.53E-04	1.43E-07	8.22E-09	4.51E-04	1.42E-07	1.08E-08	1.30E-06	6.73E-07
4402	482363.09, 3857877.25	1.02E-02	3.23E-06	1.37E-06	5.31E-03	1.68E-06	7.12E-07	5.26E-04	1.66E-07	9.55E-09	4.86E-04	1.54E-07	1.17E-08	1.37E-06	7.14E-07
4403	482863.09, 3857877.25	1.08E-02	3.40E-06	1.44E-06	5.62E-03	1.77E-06	7.53E-07	5.92E-04	1.87E-07	1.07E-08	5.08E-04	1.60E-07	1.22E-08	1.44E-06	7.54E-07
4404	483363.09, 3857877.25	1.17E-02	3.70E-06	1.57E-06	6.13E-03	1.93E-06	8.21E-07	6.47E-04	2.04E-07	1.17E-08	5.39E-04	1.70E-07	1.29E-08	1.57E-06	8.22E-07
4405	483863.09, 3857877.25	1.29E-02	4.07E-06	1.73E-06	6.75E-03	2.13E-06	9.04E-07	7.25E-04	2.29E-07	1.32E-08	5.83E-04	1.84E-07	1.40E-08	1.73E-06	9.05E-07
4406	484363.09, 3857877.25	1.52E-02	4.81E-06	2.04E-06	7.95E-03	2.51E-06	1.07E-06	8.27E-04	2.61E-07	1.50E-08	6.35E-04	2.00E-07	1.52E-08	2.04E-06	1.07E-06

4407	484863.09, 3857877.25	1.90E-02	6.00E-06	2.55E-06	9.91E-03	3.13E-06	1.33E-06	1.01E-03	3.17E-07	1.83E-08	7.13E-04	2.25E-07	1.71E-08	2.55E-06	1.33E-06
4408	485363.09, 3857877.25	2.55E-02	8.05E-06	3.42E-06	1.32E-02	4.18E-06	1.77E-06	1.28E-03	4.05E-07	2.33E-08	8.16E-04	2.58E-07	1.96E-08	3.41E-06	1.77E-06
4409	485863.09, 3857877.25	5.87E-02	1.85E-05	7.87E-06	2.97E-02	9.39E-06	3.98E-06	1.79E-03	5.66E-07	3.26E-08	9.58E-04	3.02E-07	2.30E-08	7.86E-06	3.97E-06
4410	486363.09, 3857877.25	1.50E-01	4.73E-05	2.01E-05	7.51E-02	2.37E-05	1.01E-05	3.29E-03	1.04E-06	5.98E-08	1.19E-03	3.77E-07	2.86E-08	2.00E-05	1.00E-05
4411	486863.09, 3857877.25	2.04E-01	6.43E-05	2.73E-05	1.16E-01	3.67E-05	1.56E-05	2.66E-02	8.40E-06	4.83E-07	1.72E-03	5.42E-07	4.11E-08	2.68E-05	1.51E-05
4412	487363.09, 3857877.25	1.96E-01	6.20E-05	2.63E-05	1.03E-01	3.24E-05	1.37E-05	1.09E-02	3.43E-06	1.97E-07	3.72E-03	1.17E-06	8.91E-08	2.62E-05	1.36E-05
4413	487863.09, 3857877.25	1.89E-01	5.98E-05	2.54E-05	9.57E-02	3.02E-05	1.28E-05	5.29E-03	1.67E-06	9.60E-08	2.96E-02	9.34E-06	7.09E-07	2.60E-05	1.34E-05
4414	488363.09, 3857877.25	9.88E-02	3.12E-05	1.32E-05	5.05E-02	1.59E-05	6.76E-06	3.74E-03	1.18E-06	6.80E-08	6.37E-03	2.01E-06	1.53E-07	1.33E-05	6.85E-06
4415	488863.09, 3857877.25	7.04E-02	2.22E-05	9.43E-06	3.62E-02	1.14E-05	4.85E-06	2.95E-03	9.32E-07	5.36E-08	3.79E-03	1.20E-06	9.08E-08	9.47E-06	4.88E-06
4416	489363.09, 3857877.25	6.95E-02	2.19E-05	9.30E-06	3.54E-02	1.12E-05	4.74E-06	2.42E-03	7.64E-07	4.39E-08	2.78E-03	8.77E-07	6.66E-08	9.33E-06	4.76E-06
4417	489863.09, 3857877.25	6.85E-02	2.16E-05	9.17E-06	3.46E-02	1.09E-05	4.64E-06	2.05E-03	6.47E-07	3.72E-08	2.22E-03	7.02E-07	5.33E-08	9.18E-06	4.66E-06
4418	490363.09, 3857877.25	4.81E-02	1.52E-05	6.44E-06	2.46E-02	7.76E-06	3.29E-06	1.81E-03	5.70E-07	3.28E-08	1.89E-03	5.97E-07	4.53E-08	6.46E-06	3.30E-06
4419	490863.09, 3857877.25	3.87E-02	1.22E-05	5.19E-06	1.99E-02	6.28E-06	2.66E-06	1.62E-03	5.10E-07	2.93E-08	1.66E-03	5.25E-07	3.98E-08	5.20E-06	2.67E-06
4420	491363.09, 3857877.25	3.65E-02	1.15E-05	4.88E-06	1.86E-02	5.88E-06	2.50E-06	1.39E-03	4.39E-07	2.52E-08	1.44E-03	4.54E-07	3.44E-08	4.89E-06	2.51E-06
4421	491863.09, 3857877.25	3.19E-02	1.01E-05	4.28E-06	1.63E-02	5.15E-06	2.18E-06	1.17E-03	3.69E-07	2.12E-08	1.23E-03	3.87E-07	2.94E-08	4.29E-06	2.19E-06
4422	492363.09, 3857877.25	2.76E-02	8.70E-06	3.69E-06	1.40E-02	4.42E-06	1.88E-06	9.15E-04	2.89E-07	1.66E-08	9.68E-04	3.05E-07	2.32E-08	3.70E-06	1.88E-06
4423	492863.09, 3857877.25	2.09E-02	6.58E-06	2.79E-06	1.06E-02	3.36E-06	1.42E-06	7.49E-04	2.36E-07	1.36E-08	7.77E-04	2.45E-07	1.86E-08	2.80E-06	1.43E-06
4424	493363.09, 3857877.25	1.74E-02	5.50E-06	2.33E-06	8.92E-03	2.81E-06	1.19E-06	6.74E-04	2.13E-07	1.22E-08	6.95E-04	2.19E-07	1.67E-08	2.34E-06	1.20E-06
4425	493863.09, 3857877.25	1.56E-02	4.92E-06	2.09E-06	8.00E-03	2.52E-06	1.07E-06	6.31E-04	1.99E-07	1.15E-08	6.50E-04	2.05E-07	1.56E-08	2.09E-06	1.08E-06
4426	494363.09, 3857877.25	1.43E-02	4.50E-06	1.91E-06	7.33E-03	2.31E-06	9.82E-07	6.02E-04	1.90E-07	1.09E-08	6.19E-04	1.95E-07	1.48E-08	1.91E-06	9.86E-07
4427	494863.09, 3857877.25	1.25E-02	3.94E-06	1.67E-06	6.43E-03	2.03E-06	8.61E-07	5.62E-04	1.77E-07	1.02E-08	5.75E-04	1.81E-07	1.38E-08	1.67E-06	8.65E-07
4428	495363.09, 3857877.25	1.17E-02	3.69E-06	1.57E-06	6.05E-03	1.91E-06	8.10E-07	5.44E-04	1.72E-07	9.87E-09	5.57E-04	1.76E-07	1.33E-08	1.57E-06	8.13E-07
4429	495863.09, 3857877.25	1.10E-02	3.49E-06	1.48E-06	5.72E-03	1.80E-06	7.66E-07	5.28E-04	1.67E-07	9.58E-09	5.40E-04	1.71E-07	1.29E-08	1.48E-06	7.69E-07
4430	496363.09, 3857877.25	1.09E-02	3.45E-06	1.46E-06	5.66E-03	1.79E-06	7.58E-07	5.23E-04	1.65E-07	9.50E-09	5.39E-04	1.70E-07	1.29E-08	1.47E-06	7.61E-07
4431	496863.09, 3857877.25	1.12E-02	3.53E-06	1.50E-06	5.79E-03	1.83E-06	7.75E-07	5.22E-04	1.65E-07	9.47E-09	5.39E-04	1.70E-07	1.29E-08	1.50E-06	7.78E-07
4432	497363.09, 3857877.25	1.13E-02	3.58E-06	1.52E-06	5.85E-03	1.85E-06	7.83E-07	5.15E-04	1.63E-07	9.36E-09	5.35E-04	1.69E-07	1.28E-08	1.52E-06	7.87E-07
4433	497863.09, 3857877.25	1.14E-02	3.61E-06	1.53E-06	5.91E-03	1.87E-06	7.92E-07	5.42E-04	1.71E-07	9.84E-09	5.68E-04	1.79E-07	1.36E-08	1.53E-06	7.96E-07
4434	498363.09, 3857877.25	1.20E-02	3.79E-06	1.61E-06	6.22E-03	1.96E-06	8.33E-07	5.67E-04	1.79E-07	1.03E-08	5.99E-04	1.89E-07	1.44E-08	1.61E-06	8.37E-07
4435	471363.09, 3858377.25	2.48E-03	7.83E-07	3.32E-07	1.33E-03	4.19E-07	1.78E-07	1.86E-04	5.88E-08	3.38E-09	1.98E-04	6.23E-08	4.73E-09	3.33E-07	1.79E-07
4436	471863.09, 3858377.25	2.57E-03	8.10E-07	3.44E-07	1.37E-03	4.33E-07	1.84E-07	1.90E-04	5.98E-08	3.44E-09	2.01E-04	6.34E-08	4.81E-09	3.45E-07	1.85E-07
4437	472363.09, 3858377.25	2.68E-03	8.47E-07	3.59E-07	1.43E-03	4.51E-07	1.91E-07	1.93E-04	6.08E-08	3.50E-09	2.04E-04	6.44E-08	4.89E-09	3.61E-07	1.93E-07
4438	472863.09, 3858377.25	2.80E-03	8.83E-07	3.75E-07	1.49E-03	4.70E-07	2.00E-07	1.97E-04	6.23E-08	3.58E-09	2.09E-04	6.59E-08	5.01E-09	3.76E-07	2.01E-07
4439	473363.09, 3858377.25	2.97E-03	9.36E-07	3.97E-07	1.58E-03	4.98E-07	2.11E-07	2.08E-04	6.58E-08	3.78E-09	2.19E-04	6.90E-08	5.24E-09	3.99E-07	2.13E-07
4440	473863.09, 3858377.25	3.09E-03	9.75E-07	4.14E-07	1.64E-03	5.17E-07	2.19E-07	2.08E-04	6.58E-08	3.78E-09	2.20E-04	6.95E-08	5.28E-09	4.15E-07	2.21E-07
4441	474363.09, 3858377.25	3.16E-03	9.96E-07	4.23E-07	1.66E-03	5.25E-07	2.23E-07	1.96E-04	6.18E-08	3.55E-09	2.11E-04	6.65E-08	5.04E-09	4.24E-07	2.24E-07
4442	474863.09, 3858377.25	3.12E-03	9.86E-07	4.18E-07	1.64E-03	5.17E-07	2.19E-07	1.83E-04	5.78E-08	3.33E-09	1.98E-04	6.23E-08	4.73E-09	4.20E-07	2.21E-07
4443	475363.09, 3858377.25	2.78E-03	8.77E-07	3.72E-07	1.46E-03	4.60E-07	1.95E-07	1.63E-04	5.14E-08	2.96E-09	1.73E-04	5.46E-08	4.14E-09	3.73E-07	1.96E-07
4444	475863.09, 3858377.25	2.46E-03	7.78E-07	3.30E-07	1.30E-03	4.09E-07	1.74E-07	1.52E-04	4.80E-08	2.76E-09	1.60E-04	5.05E-08	3.83E-09	3.31E-07	1.75E-07
4445	476363.09, 3858377.25	2.63E-03	8.32E-07	3.53E-07	1.38E-03	4.37E-07	1.85E-07	1.57E-04	4.94E-08	2.84E-09	1.65E-04	5.20E-08	3.95E-09	3.54E-07	1.86E-07
4446	476863.09, 3858377.25	2.82E-03	8.91E-07	3.78E-07	1.48E-03	4.67E-07	1.98E-07	1.63E-04	5.14E-08	2.96E-09	1.71E-04	5.41E-08	4.11E-09	3.79E-07	1.99E-07
4447	477363.09, 3858377.25	2.85E-03	9.01E-07	3.82E-07	1.50E-03	4.72E-07	2.00E-07	1.66E-04	5.24E-08	3.01E-09	1.73E-04	5.46E-08	4.14E-09	3.83E-07	2.01E-07
4448	477863.09, 3858377.25	3.40E-03	1.07E-06	4.55E-07	1.77E-03	5.59E-07	2.37E-07	1.82E-04	5.74E-08	3.30E-09	1.91E-04	6.03E-08	4.57E-09	4.56E-07	2.38E-07
4449	478363.09, 3858377.25	3.64E-03	1.15E-06	4.88E-07	1.90E-03	5.98E-07	2.54E-07	1.91E-04	6.03E-08	3.47E-09	2.01E-04	6.34E-08	4.81E-09	4.89E-07	2.55E-07
4450	478863.09, 3858377.25	3.09E-03	9.77E-07	4.14E-07	1.62E-03	5.12E-07	2.17E-07	1.82E-04	5.74E-08	3.30E-09	1.88E-04	5.92E-08	4.50E-09	4.16E-07	2.19E-07
4451	479363.09, 3858377.25	5.46E-03	1.72E-06	7.32E-07	2.82E-03	8.89E-07	3.77E-07	2.44E-04	7.71E-08	4.44E-09	2.69E-04	8.50E-08	6.45E-09	7.34E-07	3.79E-07
4452	479863.09, 3858377.25	6.35E-03	2.01E-06	8.51E-07	3.30E-03	1.04E-06	4.42E-07	3.18E-04	1.00E-07	5.77E-09	3.35E-04	1.06E-07	8.02E-09	8.53E-07	4.44E-07
4453	480363.09, 3858377.25	6.75E-03	2.13E-06	9.04E-07	3.52E-03	1.11E-06	4.71E-07	3.60E-04	1.14E-07	6.54E-09	3.66E-04	1.15E-07	8.76E-09	9.06E-07	4.73E-07
4454	480863.09, 3858377.25	7.29E-03	2.30E-06	9.76E-07	3.79E-03	1.20E-06	5.08E-07	3.79E-04	1.20E-07	6.88E-09	3.85E-04	1.22E-07	9.23E-09	9.79E-07	5.10E-07
4455	481363.09, 3858377.25	7.83E-03	2.47E-06	1.05E-06	4.07E-03	1.29E-06	5.45E-07	4.04E-04	1.28E-07	7.34E-09	4.06E-04	1.28E-07	9.74E-09	1.05E-06	5.48E-07
4456	481863.09, 3858377.25	8.41E-03	2.65E-06	1.13E-06	4.37E-03	1.38E-06	5.85E-07	4.21E-04	1.33E-07	7.65E-09	4.24E-04	1.34E-07	1.02E-08	1.13E-06	5.87E-07
4457	482363.09, 3858377.25	9.01E-03	2.84E-06	1.21E-06	4.68E-03	1.48E-06	6.27E-07	4.57E-04	1.44E-07	8.30E-09	4.51E-04	1.42E-07	1.08E-08	1.21E-06	6.29E-07
4458	482863.09, 3858377.25	9.36E-03	2.96E-06	1.25E-06	4.89E-03	1.54E-06	6.55E-07	5.19E-04	1.64E-07	9.41E-09	4.78E-04	1.51E-07	1.15E-08	1.26E-06	6.57E-07
4459	483363.09, 3858377.25	9.71E-03	3.06E-06	1.30E-06	5.10E-03	1.61E-06	6.83E-07	5.75E-04	1.81E-07	1.04E-08	5.01E-04	1.58E-07	1.20E-08	1.30E-06	6.84E-07
4460	483863.09, 3858377.25	1.05E-02	3.32E-06	1.41E-06	5.52E-03	1.74E-06	7.39E-07	6.25E-04	1.97E-07	1.13E-08	5.29E-04	1.67E-07	1.27E-08	1.41E-06	7.40E-07
4461	484363.09, 3858377.25	1.20E-02	3.78E-06	1.60E-06	6.28E-03	1.98E-06	8.41E-07	6.92E-04	2.19E-07	1.26E-08	5.73E-04	1.81E-07	1.37E-08	1.60E-06	8.42E-07
4462	484863.09, 3858377.25	1.47E-02	4.63E-06	1.97E-06	7.66E-03	2.42E-06	1.03E-06	7.94E-04	2.51E-07	1.44E-08	6.33E-04	2.00E-07	1.52E-08	1.97E-06	1.03E-06
4463	485363.09, 3858377.25	1.87E-02	5.91E-06	2.51E-06	9.73E-03	3.07E-06	1.30E-06	9.45E-04	2.98E-07	1.71E-08	7.13E-04	2.25E-07	1.71E-08	2.51E-06	1.30E-06
4464	485863.09, 3858377.25	2.64E-02	8.33E-06	3.53E-06	1.36E-02	4.29E-06	1.82E-06	1.15E-03	3.64E-07	2.10E-08	8.16E-04	2.58E-07	1.96E-08	3.53E-06	1.82E-06
4465	486363.09, 3858377.25	6.69E-02	2.11E-05	8.95E-06	3.35E-02	1.06E-05	4.49E-06	1.49E-03	4.70E-07	2.70E-08	9.63E-04	3.04E-07	2.31E-08	8.95E-06	4.48E-06
4466	486863.09, 3858377.25	1.55E-01	4.90E-05	2.08E-05	7.70E-02	2.43E-05	1.03E-05	2.15E-03	6.77E-07	3.90E-08	1.20E-03	3.80E-07	2.88E-08	2.08E-05	1.03E-05
4467	487363.09, 3858377.25	1.79E-01	5.66E-05	2.40E-05	9.01E-02	2.84E-05	1.21E-05	4.25E-03	1.34E-06	7.71E-08	1.72E-03	5.41E-07	4.11E-08	2.40E-05	1.20E-05
4468	487863.09, 3858377.25	2.74E-01	8.64E-05	3.67E-05	1.80E-01	5.68E-05	2.41E-05	7.22E-02	2.28E-05	1.31E-06	3.56E-03	1.12E-06	8.54E-08	3.55E-05	2.29E-05
4469	488363.09, 3858377.25	1.95E-01	6.14E-05	2.61E-05	1.01E-01	3.19E-05	1.35E-05	9.91E-03	3.13E-06	1.80E-07	3.87E-02	1.22E-05	9.27E-07	2.68E-05	1.43E-05
4470	488863.09, 3858377.25	1.03E-01	3.24E-05	1.38E-05	5.34E-02	1.69E-05	7.16E-06	5.31E-03	1.68E-06	9.64E-08	6.88E-03	2.17E-06	1.65E-07	1.38E-05	7.22E-06
4471	489363.09, 3858377.25	6.91E-02	2.18E-05	9.25E-06	3.60E-02	1.14E-05	4.82E-06	3.68E-03	1.16E-06	6.68E-08	3.98E-03	1.26E-06	9.53E-08	9.28E-06	4.85E-06
4472	489863.09, 3858377.25	5.45E-02	1.72E-05	7.30E-06	2.84E-02	8.95E-06	3.80E-06	2.86E-03	9.02E-07	5.19E-08	2.92E-03	9.21E-07	6.99E-08	7.31E-06	3.82E-06
4473	490363.09, 3858377.25	4.58E-02	1.45E-05	6.13E-06	2.38E-02	7.51E-06	3.19E-06	2.35E-03	7.43E-07	4.27E-08	2.35E-03	7.42E-07	5.63E-08	6.15E-06	3.20E-06
4474	490863.09, 3858377.25	3.97E-02	1.25E-05	5.31E-06	2.06E-02	6.51E-06	2.76E-06	2.01E-03	6.34E-07	3.65E-08	1.99E-03	6.29E-07	4.77E-08	5.33E-06	2.77E-06
4475	491363.09, 3858377.25	3.55E-02	1.12E-05	4.75E-06	1.83E-02	5.78E-06	2.45E-06	1.64E-03	5.18E-07	2.98E-08	1.64E-03	5.17E-07	3.92E-08	4.76E-06	2.46E-06
4476	491863.09, 3858377.25	3.25E-02	1.03E-05	4.35E-06	1.66E-02	5.24E-06	2.23E-06	1.24E-03	3.91E-07	2.25E-08	1.26E-03	3.97E-07	3.01E-08	4.36E-06	2.23E-06
4477	492363.09, 3858377.25	2.55E-02	8.05E-06	3.41E-06	1.30E-02	4.11E-06	1.74E-06	9.59E-04	3.03E-07	1.74E-08	9.76E-04	3.08E-07	2.34E-08	3.42E-06	1.75E-06
4478	492863.09, 3858377.25	2.49E-02	7.85E-06	3.33E-06	1.27E-02	4.01E-06	1.70E-06	9.40E-04	2.97E-07	1.71E-08	9.68E-04	3.05E-07	2.32E-08	3.33E-06	1.71E-06
4479	493363.09, 3858377.25	2.14E-02	6.74E-06	2.86E-06	1.09E-02	3.45E-06	1.46E-06	8.41E-04	2.66E-07	1.53E-08	8.67E-04	2.74E-07	2.08E-08	2.86E-06	1.47E-06
4480	493863.09, 3858377.25	1.91E-02	6.02E-06	2.55E-06	9.79E-03	3.09E-06	1.31E-06	7.75E-04	2.45E-07	1.41E-08	7.98E-04	2.52E-07	1.91E-08	2.56E-06	1.32E-06
4481	494363.09, 3858377.25	1.68E-02	5.31E-06	2.25E-06	8.65E-03	2.73E-06	1.16E-06	7.13E-04	2.25E-07	1.29E-08	7.36E-04	2.32E-07	1.76E-08	2.26E-06	1.16E-06
4482	494863.09, 3858377.25	1.50E-02	4.73E-06	2.01E-06	7.73E-03	2.44E-06	1.03E-06	6.67E-04	2.11E-07	1.21E-08	6.87E-04	2.17E-07	1.65E-08	2.01E-06	1.04E-06
4483	495363.09, 3858377.25	1.32E-02	4.17E-06	1.77E-06	6.84E-03	2.16E-06	9.15E-07	6.20E-04	1.96E-07	1.13E-08	6.38E-04	2.01E-07	1.53E-08	1.77E-06	9.19E-07
4484	495863.09, 3858377.25	1.27E-02	4.00E-06	1.70E-06	6.55E-03	2.07E-06	8.78E-07	6.03E-04	1.90E-07	1.09E-08	6.22E-04	1.96E-07	1.49E-08	1.70E-06	8.82E-07
4485	496363.09, 3858377.25	1.25E-02	3.93E-06	1.67E-06	6.45E-03	2.03E-06	8.63E-07	5.86E-04	1.85E-07	1.06E-08	6.06E-04	1.91E-07	1.45E-08	1.67E-06	8.67E-07
4486	496863.09, 3858377.25	1.23E-02	3.88E-06	1.65E-06	6.37E-03	2.01E-06	8.53E-07	5.89E-04	1.86E-07	1.07E-08	6.12E-04	1.93E-07	1.47E-08	1.65E-06	8.57E-07
4487	497363.09, 3858377.25	1.18E-02	3.74E-06	1.59E-06	6.14E-03	1.94E-06	8.22E-07	5.83E-04	1.84E-07	1.06E-08	6.07E-04	1.92E-07	1.45E-08	1.59E-06	8.26E-07
4488	497863.09, 3858377.25	1.22E-02	3.86E-06	1.64E-06	6.34E-03	2.00E-06	8.49E-07	6.06E-04	1.91E-07	1.10E-08	6.35E-04	2.00E-07	1.52E-08	1.64E-06	8.53E-07
4489	498363.09, 3858377.25	1.25E-02	3.93E-06	1.67E-06	6.48E-03	2.04E-06	8.68E-07	6.41E-04	2.02E-07	1.16E-08	6.73E-04	2.12E-07	1.61E-08	1.67E-06	8.72E-07
4490	471363.09, 3858877.25	2.45E-03	7.73E-07	3.28E-07	1.31E-03	4.13E-07	1.75E-07	1.82E-04	5.74E-08	3.30E-09	1.93E-04	6.08E-08	4.61E-09	3.29E-07	1.77E-07
4491	471863.09, 3858877.25	2.54E-03	8.00E-07	3.40E-07	1.35E-03	4.27E-07	1.81E-07	1.85E-04	5.83E-08	3.36E-09	1.94E-04	6.13E-08	4.65E-09	3.41E-07	1.83E-07
4492	472363.09, 3858877.25	2.65E-03	8.38E-07	3.55E-07	1.42E-03	4.47E-07	1.90E-07	1.91E-04	6.03E-08	3.47E-09	2.01E-04	6.34E-08	4.81E-09	3.57E-07	1.91E-07
4493	472863.09, 3858877.25	2.77E-03	8.75E-07	3.71E-07	1.48E-03	4.66E-07	1.98E-07	1.96E-04	6.18E-08	3.55E-09	2.06E-04	6.49E-08	4.93E-09	3.72E-07	1.99E-07
4494	473363.09, 3858877.25	2.88E-03	9.08E-07	3.85E-07	1.53E-03	4.84E-07	2.05E-07	2.04E-04	6.43E-08	3.70E-09	2.14E-04	6.75E-08	5.12E-09	3.87E-07	2.07E-07
4495	473863.09, 3858877.25	3.03E-03	9.57E-07	4.06E-07	1.61E-03	5.08E-07	2.15E-07	2.05E-04	6.48E-08	3.73E-09	2.15E-04	6.80E-08	5.16E-09	4.07E-07	2.17E-07
4496	474363.09, 3858877.25	3.10E-03	9.78E-07	4.15E-07	1.63E-03	5.16E-07	2.19E-07	1.94E-04	6.13E-08	3.53E-09	2.09E-04	6.59E-08	5.01E-09	4.16E-07	2.20E-07

4497	474863.09, 3858877.25	2.63E-03	8.29E-07	3.52E-07	1.38E-03	4.35E-07	1.85E-07	1.54E-04	4.85E-08	2.79E-09	1.65E-04	5.20E-08	3.95E-09	3.53E-07	1.86E-07
4498	475363.09, 3858877.25	2.34E-03	7.39E-07	3.13E-07	1.23E-03	3.89E-07	1.65E-07	1.44E-04	4.55E-08	2.62E-09	1.52E-04	4.79E-08	3.64E-09	3.14E-07	1.66E-07
4499	475863.09, 3858877.25	2.54E-03	8.02E-07	3.40E-07	1.33E-03	4.21E-07	1.79E-07	1.50E-04	4.75E-08	2.73E-09	1.58E-04	5.00E-08	3.79E-09	3.41E-07	1.80E-07
4500	476363.09, 3858877.25	2.17E-03	6.84E-07	2.90E-07	1.14E-03	3.61E-07	1.53E-07	1.36E-04	4.30E-08	2.47E-09	1.40E-04	4.43E-08	3.36E-09	2.91E-07	1.54E-07
4501	476863.09, 3858877.25	2.41E-03	7.62E-07	3.23E-07	1.27E-03	4.01E-07	1.70E-07	1.47E-04	4.65E-08	2.67E-09	1.52E-04	4.79E-08	3.64E-09	3.24E-07	1.71E-07
4502	477363.09, 3858877.25	2.53E-03	7.98E-07	3.39E-07	1.33E-03	4.19E-07	1.78E-07	1.50E-04	4.75E-08	2.73E-09	1.57E-04	4.95E-08	3.75E-09	3.40E-07	1.79E-07
4503	477863.09, 3858877.25	2.86E-03	9.03E-07	3.83E-07	1.50E-03	4.72E-07	2.00E-07	1.61E-04	5.09E-08	2.93E-09	1.68E-04	5.31E-08	4.03E-09	3.84E-07	2.02E-07
4504	478363.09, 3858877.25	4.14E-03	1.31E-06	5.54E-07	2.14E-03	6.75E-07	2.87E-07	1.96E-04	6.18E-08	3.55E-09	2.14E-04	6.75E-08	5.12E-09	5.55E-07	2.88E-07
4505	478863.09, 3858877.25	3.97E-03	1.25E-06	5.31E-07	2.05E-03	6.49E-07	2.75E-07	1.93E-04	6.08E-08	3.50E-09	2.07E-04	6.54E-08	4.97E-09	5.33E-07	2.77E-07
4506	479363.09, 3858877.25	3.63E-03	1.15E-06	4.87E-07	1.89E-03	5.97E-07	2.53E-07	1.91E-04	6.03E-08	3.47E-09	2.02E-04	6.39E-08	4.85E-09	4.88E-07	2.55E-07
4507	479863.09, 3858877.25	5.73E-03	1.81E-06	7.68E-07	2.99E-03	9.43E-07	4.00E-07	3.05E-04	9.64E-08	5.55E-09	3.15E-04	9.94E-08	7.55E-09	7.70E-07	4.02E-07
4508	480363.09, 3858877.25	6.06E-03	1.91E-06	8.12E-07	3.16E-03	9.99E-07	4.24E-07	3.32E-04	1.05E-07	6.03E-09	3.35E-04	1.06E-07	8.02E-09	8.14E-07	4.26E-07
4509	480863.09, 3858877.25	6.45E-03	2.04E-06	8.64E-07	3.37E-03	1.06E-06	4.51E-07	3.54E-04	1.12E-07	6.43E-09	3.53E-04	1.11E-07	8.45E-09	8.66E-07	4.53E-07
4510	481363.09, 3858877.25	6.86E-03	2.16E-06	9.18E-07	3.58E-03	1.13E-06	4.79E-07	3.74E-04	1.18E-07	6.80E-09	3.71E-04	1.17E-07	8.88E-09	9.20E-07	4.81E-07
4511	481863.09, 3858877.25	7.26E-03	2.29E-06	9.72E-07	3.79E-03	1.20E-06	5.08E-07	3.96E-04	1.25E-07	7.19E-09	3.93E-04	1.24E-07	9.42E-09	9.75E-07	5.10E-07
4512	482363.09, 3858877.25	7.80E-03	2.46E-06	1.04E-06	4.07E-03	1.28E-06	5.45E-07	4.23E-04	1.33E-07	7.68E-09	4.16E-04	1.31E-07	9.97E-09	1.05E-06	5.47E-07
4513	482863.09, 3858877.25	8.29E-03	2.62E-06	1.11E-06	4.33E-03	1.37E-06	5.79E-07	4.53E-04	1.43E-07	8.22E-09	4.44E-04	1.40E-07	1.06E-08	1.11E-06	5.82E-07
4514	483363.09, 3858877.25	8.29E-03	2.62E-06	1.11E-06	4.37E-03	1.38E-06	5.86E-07	5.29E-04	1.67E-07	9.61E-09	4.78E-04	1.51E-07	1.15E-08	1.11E-06	5.88E-07
4515	483863.09, 3858877.25	8.94E-03	2.82E-06	1.20E-06	4.71E-03	1.49E-06	6.31E-07	5.66E-04	1.78E-07	1.03E-08	5.01E-04	1.58E-07	1.20E-08	1.20E-06	6.33E-07
4516	484363.09, 3858877.25	1.00E-02	3.16E-06	1.34E-06	5.26E-03	1.66E-06	7.04E-07	6.08E-04	1.92E-07	1.10E-08	5.32E-04	1.68E-07	1.27E-08	1.34E-06	7.06E-07
4517	484863.09, 3858877.25	1.19E-02	3.75E-06	1.59E-06	6.21E-03	1.96E-06	8.31E-07	6.63E-04	2.09E-07	1.20E-08	5.70E-04	1.80E-07	1.36E-08	1.59E-06	8.33E-07
4518	485363.09, 3858877.25	1.50E-02	4.73E-06	2.01E-06	7.78E-03	2.45E-06	1.04E-06	7.49E-04	2.36E-07	1.36E-08	6.25E-04	1.97E-07	1.50E-08	2.01E-06	1.04E-06
4519	485863.09, 3858877.25	2.04E-02	6.44E-06	2.73E-06	1.05E-02	3.31E-06	1.40E-06	8.66E-04	2.73E-07	1.57E-08	7.04E-04	2.22E-07	1.69E-08	2.73E-06	1.41E-06
4520	486363.09, 3858877.25	3.75E-02	1.18E-05	5.03E-06	1.89E-02	5.97E-06	2.53E-06	1.02E-03	3.21E-07	1.85E-08	8.03E-04	2.53E-07	1.92E-08	5.03E-06	2.54E-06
4521	486863.09, 3858877.25	1.39E-01	4.39E-05	1.86E-05	6.85E-02	2.16E-05	9.17E-06	1.24E-03	3.91E-07	2.25E-08	9.55E-04	3.01E-07	2.29E-08	1.86E-05	9.17E-06
4522	487363.09, 3858877.25	1.67E-01	5.27E-05	2.24E-05	8.23E-02	2.60E-05	1.10E-05	1.62E-03	5.13E-07	2.95E-08	1.22E-03	3.84E-07	2.92E-08	2.24E-05	1.10E-05
4523	487863.09, 3858877.25	1.81E-01	5.70E-05	2.42E-05	8.95E-02	2.83E-05	1.20E-05	2.40E-03	7.57E-07	4.35E-08	1.71E-03	5.39E-07	4.09E-08	2.42E-05	1.20E-05
4524	488363.09, 3858877.25	1.87E-01	5.92E-05	2.51E-05	9.47E-02	2.99E-05	1.27E-05	5.39E-03	1.70E-06	9.78E-08	3.33E-03	1.05E-06	7.97E-08	2.51E-05	1.27E-05
4525	488863.09, 3858877.25	2.05E-01	6.48E-05	2.75E-05	1.24E-01	3.91E-05	1.66E-05	3.71E-02	1.17E-05	6.74E-07	5.64E-02	1.78E-05	1.35E-06	2.82E-05	1.73E-05
4526	489363.09, 3858877.25	8.62E-02	2.72E-05	1.15E-05	4.75E-02	1.50E-05	6.36E-06	8.54E-03	2.69E-06	1.55E-07	9.03E-03	2.85E-06	2.16E-07	1.16E-05	6.42E-06
4527	489863.09, 3858877.25	5.97E-02	1.89E-05	8.00E-06	3.23E-02	1.02E-05	4.32E-06	4.94E-03	1.56E-06	8.97E-08	4.91E-03	1.55E-06	1.18E-07	8.03E-06	4.35E-06
4528	490363.09, 3858877.25	4.76E-02	1.50E-05	6.37E-06	2.54E-02	8.01E-06	3.40E-06	3.43E-03	1.08E-06	6.23E-08	3.39E-03	1.07E-06	8.12E-08	6.39E-06	3.42E-06
4529	490863.09, 3858877.25	4.09E-02	1.29E-05	5.48E-06	2.15E-02	6.78E-06	2.88E-06	2.43E-03	7.67E-07	4.41E-08	2.41E-03	7.61E-07	5.78E-08	5.49E-06	2.89E-06
4530	491363.09, 3858877.25	3.68E-02	1.16E-05	4.92E-06	1.90E-02	6.00E-06	2.55E-06	1.73E-03	5.47E-07	3.15E-08	1.74E-03	5.49E-07	4.17E-08	4.94E-06	2.56E-06
4531	491863.09, 3858877.25	3.09E-02	9.76E-06	4.14E-06	1.59E-02	5.02E-06	2.13E-06	1.32E-03	4.15E-07	2.39E-08	1.33E-03	4.19E-07	3.18E-08	4.15E-06	2.14E-06
4532	492363.09, 3858877.25	2.88E-02	9.09E-06	3.86E-06	1.49E-02	4.69E-06	1.99E-06	1.29E-03	4.06E-07	2.34E-08	1.30E-03	4.11E-07	3.12E-08	3.87E-06	2.00E-06
4533	492863.09, 3858877.25	2.64E-02	8.34E-06	3.54E-06	1.37E-02	4.32E-06	1.83E-06	1.31E-03	4.13E-07	2.37E-08	1.32E-03	4.17E-07	3.16E-08	3.55E-06	1.84E-06
4534	493363.09, 3858877.25	2.40E-02	7.58E-06	3.22E-06	1.24E-02	3.92E-06	1.66E-06	1.15E-03	3.64E-07	2.09E-08	1.18E-03	3.71E-07	2.82E-08	3.22E-06	1.67E-06
4535	493863.09, 3858877.25	2.12E-02	6.70E-06	2.84E-06	1.10E-02	3.46E-06	1.47E-06	9.82E-04	3.10E-07	1.78E-08	1.01E-03	3.19E-07	2.42E-08	2.85E-06	1.47E-06
4536	494363.09, 3858877.25	1.93E-02	6.10E-06	2.59E-06	9.98E-03	3.15E-06	1.34E-06	8.96E-04	2.83E-07	1.63E-08	9.26E-04	2.92E-07	2.22E-08	2.59E-06	1.34E-06
4537	494863.09, 3858877.25	1.74E-02	5.48E-06	2.33E-06	8.98E-03	2.83E-06	1.20E-06	8.15E-04	2.57E-07	1.48E-08	8.44E-04	2.66E-07	2.02E-08	2.33E-06	1.21E-06
4538	495363.09, 3858877.25	1.56E-02	4.93E-06	2.09E-06	8.08E-03	2.55E-06	1.08E-06	7.49E-04	2.36E-07	1.36E-08	7.75E-04	2.45E-07	1.86E-08	2.10E-06	1.09E-06
4539	495863.09, 3858877.25	1.49E-02	4.71E-06	2.00E-06	7.73E-03	2.44E-06	1.03E-06	7.08E-04	2.23E-07	1.29E-08	7.36E-04	2.32E-07	1.76E-08	2.00E-06	1.04E-06
4540	496363.09, 3858877.25	1.39E-02	4.38E-06	1.86E-06	7.19E-03	2.27E-06	9.63E-07	6.86E-04	2.17E-07	1.25E-08	7.15E-04	2.26E-07	1.71E-08	1.86E-06	9.68E-07
4541	496863.09, 3858877.25	1.31E-02	4.13E-06	1.75E-06	6.79E-03	2.14E-06	9.10E-07	6.69E-04	2.11E-07	1.21E-08	6.97E-04	2.20E-07	1.67E-08	1.76E-06	9.14E-07
4542	497363.09, 3858877.25	1.24E-02	3.91E-06	1.66E-06	6.46E-03	2.04E-06	8.65E-07	6.53E-04	2.06E-07	1.19E-08	6.82E-04	2.15E-07	1.63E-08	1.67E-06	8.69E-07
4543	497863.09, 3858877.25	1.25E-02	3.93E-06	1.67E-06	6.50E-03	2.05E-06	8.71E-07	6.83E-04	2.16E-07	1.24E-08	7.13E-04	2.25E-07	1.71E-08	1.67E-06	8.76E-07
4544	498363.09, 3858877.25	1.22E-02	3.85E-06	1.63E-06	6.40E-03	2.02E-06	8.57E-07	7.17E-04	2.26E-07	1.30E-08	7.48E-04	2.36E-07	1.79E-08	1.64E-06	8.62E-07
4545	471363.09, 3859377.25	2.41E-03	7.62E-07	3.23E-07	1.29E-03	4.07E-07	1.73E-07	1.77E-04	5.59E-08	3.21E-09	1.86E-04	5.87E-08	4.46E-09	3.24E-07	1.74E-07
4546	471863.09, 3859377.25	2.50E-03	7.90E-07	3.35E-07	1.34E-03	4.22E-07	1.79E-07	1.82E-04	5.74E-08	3.30E-09	1.91E-04	6.03E-08	4.57E-09	3.36E-07	1.80E-07
4547	472363.09, 3859377.25	2.61E-03	8.23E-07	3.49E-07	1.39E-03	4.38E-07	1.86E-07	1.86E-04	5.88E-08	3.38E-09	1.96E-04	6.18E-08	4.69E-09	3.50E-07	1.87E-07
4548	472863.09, 3859377.25	2.70E-03	8.52E-07	3.61E-07	1.44E-03	4.54E-07	1.93E-07	1.93E-04	6.08E-08	3.50E-09	2.01E-04	6.34E-08	4.81E-09	3.63E-07	1.94E-07
4549	473363.09, 3859377.25	2.81E-03	8.85E-07	3.76E-07	1.49E-03	4.72E-07	2.00E-07	1.99E-04	6.28E-08	3.61E-09	2.06E-04	6.49E-08	4.93E-09	3.77E-07	2.01E-07
4550	473863.09, 3859377.25	2.94E-03	9.26E-07	3.93E-07	1.56E-03	4.92E-07	2.09E-07	2.02E-04	6.38E-08	3.67E-09	2.09E-04	6.59E-08	5.01E-09	3.94E-07	2.10E-07
4551	474363.09, 3859377.25	3.00E-03	9.48E-07	4.02E-07	1.59E-03	5.00E-07	2.12E-07	1.91E-04	6.03E-08	3.47E-09	2.02E-04	6.39E-08	4.85E-09	4.04E-07	2.14E-07
4552	474863.09, 3859377.25	2.95E-03	9.30E-07	3.94E-07	1.54E-03	4.87E-07	2.07E-07	1.71E-04	5.39E-08	3.10E-09	1.84E-04	5.82E-08	4.42E-09	3.96E-07	2.08E-07
4553	475363.09, 3859377.25	2.63E-03	8.29E-07	3.52E-07	1.38E-03	4.34E-07	1.84E-07	1.50E-04	4.75E-08	2.73E-09	1.62E-04	5.10E-08	3.87E-09	3.53E-07	1.85E-07
4554	475863.09, 3859377.25	2.21E-03	6.97E-07	2.96E-07	1.16E-03	3.67E-07	1.56E-07	1.36E-04	4.30E-08	2.47E-09	1.44E-04	4.53E-08	3.44E-09	2.97E-07	1.57E-07
4555	476363.09, 3859377.25	2.15E-03	6.79E-07	2.88E-07	1.13E-03	3.58E-07	1.52E-07	1.35E-04	4.25E-08	2.45E-09	1.40E-04	4.43E-08	3.36E-09	2.89E-07	1.53E-07
4556	476863.09, 3859377.25	2.01E-03	6.34E-07	2.69E-07	1.06E-03	3.35E-07	1.42E-07	1.30E-04	4.10E-08	2.36E-09	1.34E-04	4.22E-08	3.21E-09	2.70E-07	1.43E-07
4557	477363.09, 3859377.25	2.14E-03	6.75E-07	2.86E-07	1.13E-03	3.56E-07	1.51E-07	1.35E-04	4.25E-08	2.45E-09	1.40E-04	4.43E-08	3.36E-09	2.87E-07	1.52E-07
4558	477863.09, 3859377.25	2.90E-03	9.15E-07	3.88E-07	1.51E-03	4.77E-07	2.02E-07	1.57E-04	4.94E-08	2.84E-09	1.66E-04	5.25E-08	3.99E-09	3.89E-07	2.04E-07
4559	478363.09, 3859377.25	3.74E-03	1.18E-06	5.01E-07	1.94E-03	6.12E-07	2.60E-07	1.79E-04	5.64E-08	3.24E-09	1.94E-04	6.13E-08	4.65E-09	5.03E-07	2.61E-07
4560	478863.09, 3859377.25	4.50E-03	1.42E-06	6.02E-07	2.32E-03	7.34E-07	3.11E-07	2.10E-04	6.63E-08	3.81E-09	2.30E-04	7.26E-08	5.51E-09	6.04E-07	3.13E-07
4561	479363.09, 3859377.25	4.95E-03	1.56E-06	6.63E-07	2.57E-03	8.10E-07	3.44E-07	2.44E-04	7.71E-08	4.44E-09	2.61E-04	8.24E-08	6.26E-09	6.65E-07	3.46E-07
4562	479863.09, 3859377.25	5.28E-03	1.67E-06	7.08E-07	2.75E-03	8.68E-07	3.68E-07	2.76E-04	8.70E-08	5.00E-09	2.86E-04	9.02E-08	6.84E-09	7.09E-07	3.70E-07
4563	480363.09, 3859377.25	5.52E-03	1.74E-06	7.39E-07	2.88E-03	9.10E-07	3.86E-07	3.05E-04	9.64E-08	5.55E-09	3.09E-04	9.74E-08	7.39E-09	7.41E-07	3.88E-07
4564	480863.09, 3859377.25	5.76E-03	1.82E-06	7.72E-07	3.02E-03	9.52E-07	4.04E-07	3.29E-04	1.04E-07	5.97E-09	3.26E-04	1.03E-07	7.82E-09	7.74E-07	4.06E-07
4565	481363.09, 3859377.25	6.03E-03	1.90E-06	8.07E-07	3.16E-03	9.97E-07	4.23E-07	3.48E-04	1.10E-07	6.31E-09	3.43E-04	1.08E-07	8.21E-09	8.09E-07	4.25E-07
4566	481863.09, 3859377.25	6.33E-03	2.00E-06	8.48E-07	3.32E-03	1.05E-06	4.45E-07	3.67E-04	1.16E-07	6.65E-09	3.59E-04	1.13E-07	8.60E-09	8.50E-07	4.46E-07
4567	482363.09, 3859377.25	6.78E-03	2.14E-06	9.08E-07	3.55E-03	1.12E-06	4.76E-07	3.88E-04	1.23E-07	7.05E-09	3.79E-04	1.20E-07	9.07E-09	9.10E-07	4.78E-07
4568	482863.09, 3859377.25	7.14E-03	2.25E-06	9.56E-07	3.74E-03	1.18E-06	5.01E-07	4.14E-04	1.31E-07	7.51E-09	4.00E-04	1.26E-07	9.58E-09	9.58E-07	5.03E-07
4569	483363.09, 3859377.25	7.39E-03	2.33E-06	9.89E-07	3.89E-03	1.23E-06	5.21E-07	4.59E-04	1.45E-07	8.33E-09	4.28E-04	1.35E-07	1.02E-08	9.91E-07	5.23E-07
4570	483863.09, 3859377.25	7.73E-03	2.44E-06	1.04E-06	4.09E-03	1.29E-06	5.47E-07	4.97E-04	1.57E-07	9.01E-09	4.54E-04	1.43E-07	1.09E-08	1.04E-06	5.49E-07
4571	484363.09, 3859377.25	8.56E-03	2.70E-06	1.15E-06	4.51E-03	1.42E-06	6.04E-07	5.37E-04	1.70E-07	9.75E-09	4.90E-04	1.55E-07	1.17E-08	1.15E-06	6.06E-07
4572	484863.09, 3859377.25	9.82E-03	3.10E-06	1.32E-06	5.16E-03	1.63E-06	6.91E-07	5.84E-04	1.84E-07	1.06E-08	5.29E-04	1.67E-07	1.27E-08	1.32E-06	6.93E-07
4573	485363.09, 3859377.25	1.19E-02	3.76E-06	1.60E-06	6.22E-03	1.96E-06	8.33E-07	6.44E-04	2.03E-07	1.17E-08	5.78E-04	1.82E-07	1.38E-08	1.60E-06	8.35E-07
4574	485863.09, 3859377.25	1.52E-02	4.80E-06	2.04E-06	7.87E-03	2.48E-06	1.05E-06	7.16E-04	2.26E-07	1.30E-08	6.33E-04	2.00E-07	1.52E-08	2.04E-06	1.06E-06
4575	486363.09, 3859377.25	2.14E-02	6.77E-06	2.87E-06	1.10E-02	3.46E-06	1.47E-06	7.97E-04	2.52E-07	1.45E-08	6.99E-04	2.20E-07	1.67E-08	2.87E-06	1.47E-06
4576	486863.09, 3859377.25	5.47E-02	1.73E-05	7.33E-06	2.72E-02	8.59E-06	3.65E-06	9.02E-04	2.85E-07	1.64E-08	7.83E-04	2.47E-07	1.88E-08	7.33E-06	3.65E-06
4577	487363.09, 3859377.25	1.39E-01	4.40E-05	1.87E-05	6.86E-02	2.16E-05	9.18E-06	1.05E-03	3.31E-07	1.91E-08	9.19E-04	2.90E-07	2.20E-08	1.87E-05	9.18E-06
4578	487863.09, 3859377.25	1.61E-01	5.09E-05	2.16E-05	7.93E-02	2.50E-05	1.06E-05	1.29E-03	4.06E-07	2.33E-08	1.15E-03	3.62E-07	2.74E-08	2.16E-05	1.06E-05
4579	488363.09, 3859377.25	1.72E-01	5.41E-05	2.30E-05	8.46E-02	2.67E-05	1.13E-05	1.71E-03	5.38E-07	3.10E-08	1.55E-03	4.88E-07	3.71E-08	2.30E-05	1.13E-05
4580	488863.09, 3859377.25	1.23E-01	3.88E-05	1.65E-05	6.16E-02	1.94E-05	8.25E-06	2.66E-03	8.41E-07	4.84E-08	2.51E-03	7.93E-07	6.02E-08	1.65E-05	8.26E-06
4581	489363.09, 3859377.25	7.71E-02	2.43E-05	1.03E-05	4.22E-02	1.33E-05	5.65E-06	7.19E-03	2.27E-06	1.31E-07	7.07E-03	2.23E-06	1.69E-07	1.04E-05	5.69E-06
4582	489863.09, 3859377.25	1.48E-01	4.68E-05	1.99E-05	8.73E-02	2.75E-05	1.17E-05	2.33E-02	7.35E-06	4.23E-07	2.47E-02	7.79E-06	5.91E-07	2.00E-05	1.19E-05
4583	490363.09, 3859377.25	6.39E-02	2.02E-05	8.56E-06	3.59E-02	1.13E-05	4.81E-06	7.45E-03	2.35E-06	1.35E-07	7.66E-03	2.42E-06	1.83E-07	8.61E-06	4.86E-06
4584	490863.09, 3859377.25	4.64E-02	1.47E-05	6.22E-06	2.52E-02	7.96E-06	3.38E-06	4.08E-03	1.29E-06	7.41E-08	4.16E-03	1.31E-06	9.97E-08	6.24E-06	3.40E-06
4585	491363.09, 3859377.25	3.91E-02	1.23E-05	5.24E-06	2.06E-02	6.50E-06	2.76E-06	2.42E-03	7.64E-07	4.39E-08	2.48E-03	7.84E-07	5.95E-08	5.25E-06	2.77E-06
4586	491863.09, 3859377.25	3.24E-02	1.02E-05	4.34E-06	1.73E-02	5.45E-06	2.31E-06	2.28E-03	7.19E-07	4.14E-08	2.32E-03	7.33E-07	5.56E-08	4.36E-06	2.32E-06

4587	492363.09, 3859377.25	2.85E-02	8.98E-06	3.81E-06	1.51E-02	4.77E-06	2.02E-06	1.94E-03	6.13E-07	3.53E-08	1.98E-03	6.23E-07	4.73E-08	3.82E-06	2.04E-06
4588	492863.09, 3859377.25	2.54E-02	8.00E-06	3.40E-06	1.35E-02	4.25E-06	1.80E-06	1.74E-03	5.48E-07	3.15E-08	1.76E-03	5.56E-07	4.22E-08	3.41E-06	1.81E-06
4589	493363.09, 3859377.25	2.31E-02	7.28E-06	3.09E-06	1.22E-02	3.84E-06	1.63E-06	1.46E-03	4.61E-07	2.65E-08	1.48E-03	4.67E-07	3.55E-08	3.10E-06	1.64E-06
4590	493863.09, 3859377.25	2.10E-02	6.63E-06	2.81E-06	1.11E-02	3.50E-06	1.48E-06	1.32E-03	4.17E-07	2.40E-08	1.34E-03	4.23E-07	3.21E-08	2.82E-06	1.49E-06
4591	494363.09, 3859377.25	1.94E-02	6.11E-06	2.59E-06	1.02E-02	3.21E-06	1.36E-06	1.18E-03	3.73E-07	2.14E-08	1.20E-03	3.80E-07	2.89E-08	2.60E-06	1.37E-06
4592	494863.09, 3859377.25	1.97E-02	6.23E-06	2.64E-06	1.03E-02	3.24E-06	1.37E-06	1.01E-03	3.19E-07	1.83E-08	1.04E-03	3.28E-07	2.49E-08	2.65E-06	1.38E-06
4593	495363.09, 3859377.25	1.63E-02	5.16E-06	2.19E-06	8.56E-03	2.70E-06	1.15E-06	9.38E-04	2.96E-07	1.70E-08	9.70E-04	3.06E-07	2.32E-08	2.19E-06	1.15E-06
4594	495863.09, 3859377.25	1.50E-02	4.72E-06	2.00E-06	7.84E-03	2.47E-06	1.05E-06	8.62E-04	2.72E-07	1.56E-08	8.93E-04	2.82E-07	2.14E-08	2.01E-06	1.06E-06
4595	496363.09, 3859377.25	1.40E-02	4.42E-06	1.87E-06	7.35E-03	2.32E-06	9.84E-07	8.30E-04	2.62E-07	1.51E-08	8.60E-04	2.71E-07	2.06E-08	1.88E-06	9.90E-07
4596	496863.09, 3859377.25	1.28E-02	4.06E-06	1.72E-06	6.75E-03	2.13E-06	9.04E-07	7.64E-04	2.41E-07	1.39E-08	7.93E-04	2.50E-07	1.90E-08	1.73E-06	9.09E-07
4597	497363.09, 3859377.25	1.23E-02	3.89E-06	1.65E-06	6.49E-03	2.05E-06	8.69E-07	7.64E-04	2.41E-07	1.39E-08	7.93E-04	2.50E-07	1.90E-08	1.65E-06	8.74E-07
4598	497863.09, 3859377.25	1.19E-02	3.76E-06	1.59E-06	6.30E-03	1.99E-06	8.44E-07	7.94E-04	2.51E-07	1.44E-08	8.21E-04	2.59E-07	1.97E-08	1.60E-06	8.49E-07
4599	498363.09, 3859377.25	1.14E-02	3.60E-06	1.53E-06	6.09E-03	1.92E-06	8.16E-07	8.22E-04	2.60E-07	1.49E-08	8.46E-04	2.67E-07	2.03E-08	1.53E-06	8.21E-07
4600	471363.09, 3859877.25	2.36E-03	7.45E-07	3.16E-07	1.26E-03	3.98E-07	1.69E-07	1.74E-04	5.49E-08	3.16E-09	1.81E-04	5.72E-08	4.34E-09	3.17E-07	1.70E-07
4601	471863.09, 3859877.25	2.45E-03	7.73E-07	3.28E-07	1.31E-03	4.13E-07	1.75E-07	1.79E-04	5.64E-08	3.24E-09	1.86E-04	5.87E-08	4.46E-09	3.29E-07	1.76E-07
4602	472363.09, 3859877.25	2.54E-03	8.01E-07	3.40E-07	1.35E-03	4.27E-07	1.81E-07	1.82E-04	5.74E-08	3.30E-09	1.89E-04	5.98E-08	4.54E-09	3.41E-07	1.82E-07
4603	472863.09, 3859877.25	2.62E-03	8.26E-07	3.50E-07	1.40E-03	4.40E-07	1.87E-07	1.88E-04	5.93E-08	3.41E-09	1.94E-04	6.13E-08	4.65E-09	3.52E-07	1.88E-07
4604	473363.09, 3859877.25	2.71E-03	8.55E-07	3.63E-07	1.44E-03	4.55E-07	1.93E-07	1.93E-04	6.08E-08	3.50E-09	1.99E-04	6.29E-08	4.77E-09	3.64E-07	1.94E-07
4605	473863.09, 3859877.25	2.83E-03	8.92E-07	3.78E-07	1.50E-03	4.74E-07	2.01E-07	1.97E-04	6.23E-08	3.58E-09	2.04E-04	6.44E-08	4.89E-09	3.80E-07	2.03E-07
4606	474363.09, 3859877.25	2.95E-03	9.32E-07	3.95E-07	1.56E-03	4.92E-07	2.09E-07	1.90E-04	5.98E-08	3.44E-09	2.01E-04	6.34E-08	4.81E-09	3.97E-07	2.10E-07
4607	474863.09, 3859877.25	2.98E-03	9.39E-07	3.99E-07	1.56E-03	4.93E-07	2.09E-07	1.77E-04	5.59E-08	3.21E-09	1.91E-04	6.03E-08	4.57E-09	4.00E-07	2.11E-07
4608	475363.09, 3859877.25	2.75E-03	8.66E-07	3.68E-07	1.44E-03	4.53E-07	1.92E-07	1.54E-04	4.85E-08	2.79E-09	1.65E-04	5.20E-08	3.95E-09	3.69E-07	1.93E-07
4609	475863.09, 3859877.25	2.11E-03	6.65E-07	2.82E-07	1.11E-03	3.51E-07	1.49E-07	1.32E-04	4.15E-08	2.39E-09	1.39E-04	4.38E-08	3.32E-09	2.83E-07	1.50E-07
4610	476363.09, 3859877.25	1.75E-03	5.51E-07	2.34E-07	9.26E-04	2.92E-07	1.24E-07	1.17E-04	3.71E-08	2.13E-09	1.22E-04	3.86E-08	2.93E-09	2.35E-07	1.25E-07
4611	476863.09, 3859877.25	1.87E-03	5.89E-07	2.50E-07	9.88E-04	3.12E-07	1.32E-07	1.24E-04	3.91E-08	2.25E-09	1.29E-04	4.07E-08	3.09E-09	2.51E-07	1.33E-07
4612	477363.09, 3859877.25	1.96E-03	6.17E-07	2.62E-07	1.03E-03	3.27E-07	1.39E-07	1.28E-04	4.05E-08	2.33E-09	1.34E-04	4.22E-08	3.21E-09	2.63E-07	1.39E-07
4613	477863.09, 3859877.25	2.64E-03	8.33E-07	3.54E-07	1.38E-03	4.36E-07	1.85E-07	1.47E-04	4.65E-08	2.67E-09	1.57E-04	4.95E-08	3.75E-09	3.55E-07	1.86E-07
4614	478363.09, 3859877.25	3.55E-03	1.12E-06	4.76E-07	1.84E-03	5.81E-07	2.46E-07	1.71E-04	5.39E-08	3.10E-09	1.86E-04	5.87E-08	4.46E-09	4.77E-07	2.48E-07
4615	478863.09, 3859877.25	4.21E-03	1.33E-06	5.63E-07	2.18E-03	6.87E-07	2.92E-07	2.02E-04	6.38E-08	3.67E-09	2.20E-04	6.95E-08	5.28E-09	5.65E-07	2.93E-07
4616	479363.09, 3859877.25	4.65E-03	1.47E-06	6.22E-07	2.42E-03	7.63E-07	3.24E-07	2.40E-04	7.56E-08	4.35E-09	2.53E-04	7.99E-08	6.06E-09	6.24E-07	3.25E-07
4617	479863.09, 3859877.25	4.86E-03	1.53E-06	6.50E-07	2.54E-03	8.01E-07	3.40E-07	2.69E-04	8.50E-08	4.89E-09	2.76E-04	8.71E-08	6.61E-09	6.52E-07	3.42E-07
4618	480363.09, 3859877.25	5.02E-03	1.58E-06	6.72E-07	2.63E-03	8.31E-07	3.53E-07	2.95E-04	9.30E-08	5.35E-09	2.95E-04	9.32E-08	7.08E-09	6.74E-07	3.55E-07
4619	480863.09, 3859877.25	5.20E-03	1.64E-06	6.97E-07	2.74E-03	8.63E-07	3.66E-07	3.13E-04	9.89E-08	5.69E-09	3.10E-04	9.79E-08	7.43E-09	6.99E-07	3.68E-07
4620	481363.09, 3859877.25	5.40E-03	1.70E-06	7.23E-07	2.84E-03	8.96E-07	3.80E-07	3.29E-04	1.04E-07	5.97E-09	3.23E-04	1.02E-07	7.74E-09	7.24E-07	3.82E-07
4621	481863.09, 3859877.25	5.66E-03	1.78E-06	7.57E-07	2.98E-03	9.39E-07	3.98E-07	3.45E-04	1.09E-07	6.26E-09	3.38E-04	1.07E-07	8.09E-09	7.59E-07	4.00E-07
4622	482363.09, 3859877.25	5.97E-03	1.89E-06	8.00E-07	3.14E-03	9.92E-07	4.21E-07	3.63E-04	1.15E-07	6.60E-09	3.54E-04	1.12E-07	8.49E-09	8.02E-07	4.23E-07
4623	482863.09, 3859877.25	6.27E-03	1.98E-06	8.39E-07	3.30E-03	1.04E-06	4.41E-07	3.81E-04	1.20E-07	6.91E-09	3.69E-04	1.16E-07	8.84E-09	8.41E-07	4.43E-07
4624	483363.09, 3859877.25	6.56E-03	2.07E-06	8.79E-07	3.46E-03	1.09E-06	4.63E-07	4.03E-04	1.27E-07	7.31E-09	3.88E-04	1.23E-07	9.31E-09	8.81E-07	4.65E-07
4625	483863.09, 3859877.25	6.71E-03	2.12E-06	8.99E-07	3.55E-03	1.12E-06	4.75E-07	4.37E-04	1.38E-07	7.93E-09	4.10E-04	1.29E-07	9.81E-09	9.01E-07	4.77E-07
4626	484363.09, 3859877.25	7.26E-03	2.29E-06	9.72E-07	3.83E-03	1.21E-06	5.13E-07	4.64E-04	1.46E-07	8.42E-09	4.33E-04	1.37E-07	1.04E-08	9.74E-07	5.15E-07
4627	484863.09, 3859877.25	8.06E-03	2.55E-06	1.08E-06	4.24E-03	1.34E-06	5.68E-07	4.93E-04	1.56E-07	8.96E-09	4.62E-04	1.46E-07	1.11E-08	1.08E-06	5.70E-07
4628	485363.09, 3859877.25	9.35E-03	2.95E-06	1.25E-06	4.90E-03	1.55E-06	6.56E-07	5.36E-04	1.69E-07	9.73E-09	5.01E-04	1.58E-07	1.20E-08	1.25E-06	6.58E-07
4629	485863.09, 3859877.25	1.13E-02	3.56E-06	1.51E-06	5.87E-03	1.85E-06	7.86E-07	5.94E-04	1.87E-07	1.08E-08	5.52E-04	1.74E-07	1.32E-08	1.51E-06	7.89E-07
4630	486363.09, 3859877.25	1.39E-02	4.40E-06	1.87E-06	7.21E-03	2.28E-06	9.65E-07	6.63E-04	2.09E-07	1.20E-08	6.15E-04	1.94E-07	1.47E-08	1.87E-06	9.68E-07
4631	486863.09, 3859877.25	1.83E-02	5.77E-06	2.45E-06	9.39E-03	2.96E-06	1.26E-06	7.44E-04	2.35E-07	1.35E-08	6.92E-04	2.18E-07	1.66E-08	2.45E-06	1.26E-06
4632	487363.09, 3859877.25	3.20E-02	1.01E-05	4.28E-06	1.61E-02	5.08E-06	2.16E-06	8.32E-04	2.63E-07	1.51E-08	7.77E-04	2.45E-07	1.86E-08	4.28E-06	2.16E-06
4633	487863.09, 3859877.25	1.31E-01	4.12E-05	1.75E-05	6.42E-02	2.03E-05	8.59E-06	9.46E-04	2.99E-07	1.72E-08	8.98E-04	2.83E-07	2.15E-08	1.75E-05	8.60E-06
4634	488363.09, 3859877.25	1.37E-01	4.34E-05	1.84E-05	6.76E-02	2.13E-05	9.05E-06	1.08E-03	3.42E-07	1.96E-08	1.05E-03	3.30E-07	2.51E-08	1.84E-05	9.05E-06
4635	488863.09, 3859877.25	7.62E-02	2.40E-05	1.02E-05	3.79E-02	1.20E-05	5.08E-06	1.34E-03	4.24E-07	2.44E-08	1.32E-03	4.16E-07	3.16E-08	1.02E-05	5.09E-06
4636	489363.09, 3859877.25	6.17E-02	1.95E-05	8.26E-06	3.12E-02	9.85E-06	4.18E-06	1.81E-03	5.71E-07	3.28E-08	1.82E-03	5.75E-07	4.36E-08	8.27E-06	4.19E-06
4637	489863.09, 3859877.25	4.75E-02	1.50E-05	6.36E-06	2.50E-02	7.88E-06	3.34E-06	2.85E-03	8.99E-07	5.17E-08	2.90E-03	9.15E-07	6.95E-08	6.38E-06	3.36E-06
4638	490363.09, 3859877.25	4.60E-02	1.45E-05	6.16E-06	2.65E-02	8.37E-06	3.55E-06	6.40E-03	2.02E-06	1.16E-07	6.56E-03	2.07E-06	1.57E-07	6.20E-06	3.59E-06
4639	490863.09, 3859877.25	1.53E-01	4.82E-05	2.04E-05	1.06E-01	3.33E-05	1.41E-05	4.86E-02	1.53E-05	8.82E-07	5.58E-02	1.76E-05	1.34E-06	2.09E-05	1.46E-05
4640	491363.09, 3859877.25	6.42E-02	2.03E-05	8.59E-06	3.73E-02	1.18E-05	4.99E-06	9.40E-03	2.97E-06	1.71E-07	9.77E-03	3.08E-06	2.34E-07	8.66E-06	5.06E-06
4641	491863.09, 3859877.25	3.75E-02	1.18E-05	5.02E-06	2.13E-02	6.73E-06	2.85E-06	4.76E-03	1.50E-06	8.65E-08	4.93E-03	1.55E-06	1.18E-07	5.05E-06	2.89E-06
4642	492363.09, 3859877.25	2.87E-02	9.06E-06	3.84E-06	1.61E-02	5.07E-06	2.15E-06	3.23E-03	1.02E-06	5.87E-08	3.33E-03	1.05E-06	7.99E-08	3.86E-06	2.17E-06
4643	492863.09, 3859877.25	2.39E-02	7.55E-06	3.20E-06	1.32E-02	4.16E-06	1.76E-06	2.37E-03	7.49E-07	4.31E-08	2.44E-03	7.71E-07	5.85E-08	3.22E-06	1.78E-06
4644	493363.09, 3859877.25	2.08E-02	6.56E-06	2.78E-06	1.14E-02	3.59E-06	1.52E-06	1.96E-03	6.18E-07	3.55E-08	2.01E-03	6.33E-07	4.81E-08	2.80E-06	1.54E-06
4645	493863.09, 3859877.25	1.86E-02	5.87E-06	2.49E-06	1.01E-02	3.20E-06	1.36E-06	1.68E-03	5.31E-07	3.05E-08	1.72E-03	5.42E-07	4.11E-08	2.50E-06	1.37E-06
4646	494363.09, 3859877.25	1.73E-02	5.47E-06	2.32E-06	9.38E-03	2.96E-06	1.26E-06	1.45E-03	4.57E-07	2.63E-08	1.48E-03	4.66E-07	3.54E-08	2.33E-06	1.26E-06
4647	494863.09, 3859877.25	1.58E-02	4.98E-06	2.11E-06	8.54E-03	2.69E-06	1.14E-06	1.32E-03	4.18E-07	2.40E-08	1.35E-03	4.26E-07	3.23E-08	2.12E-06	1.15E-06
4648	495363.09, 3859877.25	1.46E-02	4.59E-06	1.95E-06	7.86E-03	2.48E-06	1.05E-06	1.20E-03	3.78E-07	2.17E-08	1.22E-03	3.85E-07	2.92E-08	1.96E-06	1.06E-06
4649	495863.09, 3859877.25	1.36E-02	4.29E-06	1.82E-06	7.31E-03	2.31E-06	9.79E-07	1.09E-03	3.43E-07	1.97E-08	1.11E-03	3.51E-07	2.66E-08	1.83E-06	9.86E-07
4650	496363.09, 3859877.25	1.26E-02	3.99E-06	1.69E-06	6.78E-03	2.14E-06	9.08E-07	9.60E-04	3.03E-07	1.74E-08	9.89E-04	3.12E-07	2.37E-08	1.70E-06	9.14E-07
4651	496863.09, 3859877.25	1.11E-02	3.51E-06	1.49E-06	5.93E-03	1.87E-06	7.94E-07	7.96E-04	2.51E-07	1.44E-08	8.26E-04	2.61E-07	1.98E-08	1.49E-06	7.99E-07
4652	497363.09, 3859877.25	1.11E-02	3.51E-06	1.49E-06	5.97E-03	1.88E-06	7.99E-07	8.44E-04	2.66E-07	1.53E-08	8.75E-04	2.76E-07	2.10E-08	1.50E-06	8.04E-07
4653	497863.09, 3859877.25	1.08E-02	3.41E-06	1.45E-06	5.85E-03	1.84E-06	7.83E-07	9.15E-04	2.89E-07	1.66E-08	9.40E-04	2.97E-07	2.25E-08	1.45E-06	7.89E-07
4654	498363.09, 3859877.25	1.02E-02	3.23E-06	1.37E-06	5.59E-03	1.76E-06	7.49E-07	9.51E-04	3.00E-07	1.73E-08	9.74E-04	3.08E-07	2.33E-08	1.38E-06	7.55E-07
4655	471363.09, 3860377.25	2.29E-03	7.23E-07	3.07E-07	1.23E-03	3.87E-07	1.64E-07	1.71E-04	5.39E-08	3.10E-09	1.76E-04	5.56E-08	4.22E-09	3.08E-07	1.65E-07
4656	471863.09, 3860377.25	2.38E-03	7.51E-07	3.18E-07	1.27E-03	4.01E-07	1.70E-07	1.74E-04	5.49E-08	3.16E-09	1.80E-04	5.67E-08	4.30E-09	3.20E-07	1.71E-07
4657	472363.09, 3860377.25	2.45E-03	7.75E-07	3.29E-07	1.31E-03	4.13E-07	1.75E-07	1.79E-04	5.64E-08	3.24E-09	1.84E-04	5.82E-08	4.42E-09	3.30E-07	1.77E-07
4658	472863.09, 3860377.25	2.53E-03	7.99E-07	3.39E-07	1.35E-03	4.26E-07	1.81E-07	1.83E-04	5.78E-08	3.33E-09	1.89E-04	5.98E-08	4.54E-09	3.40E-07	1.82E-07
4659	473363.09, 3860377.25	2.62E-03	8.27E-07	3.51E-07	1.40E-03	4.41E-07	1.87E-07	1.88E-04	5.93E-08	3.41E-09	1.94E-04	6.13E-08	4.65E-09	3.52E-07	1.88E-07
4660	473863.09, 3860377.25	2.72E-03	8.59E-07	3.64E-07	1.45E-03	4.57E-07	1.94E-07	1.91E-04	6.03E-08	3.47E-09	1.98E-04	6.23E-08	4.73E-09	3.66E-07	1.95E-07
4661	474363.09, 3860377.25	2.86E-03	9.03E-07	3.83E-07	1.52E-03	4.78E-07	2.03E-07	1.91E-04	6.03E-08	3.47E-09	1.99E-04	6.29E-08	4.77E-09	3.84E-07	2.04E-07
4662	474863.09, 3860377.25	2.99E-03	9.44E-07	4.01E-07	1.58E-03	4.98E-07	2.11E-07	1.88E-04	5.93E-08	3.41E-09	1.98E-04	6.23E-08	4.73E-09	4.02E-07	2.13E-07
4663	475363.09, 3860377.25	3.04E-03	9.61E-07	4.08E-07	1.60E-03	5.04E-07	2.14E-07	1.77E-04	5.59E-08	3.21E-09	1.89E-04	5.98E-08	4.54E-09	4.09E-07	2.15E-07
4664	475863.09, 3860377.25	3.06E-03	9.65E-07	4.09E-07	1.60E-03	5.04E-07	2.14E-07	1.68E-04	5.29E-08	3.04E-09	1.80E-04	5.67E-08	4.30E-09	4.11E-07	2.15E-07
4665	476363.09, 3860377.25	2.94E-03	9.27E-07	3.93E-07	1.53E-03	4.83E-07	2.05E-07	1.54E-04	4.85E-08	2.79E-09	1.66E-04	5.25E-08	3.99E-09	3.95E-07	2.06E-07
4666	476863.09, 3860377.25	2.88E-03	9.08E-07	3.85E-07	1.50E-03	4.73E-07	2.01E-07	1.50E-04	4.75E-08	2.73E-09	1.62E-04	5.10E-08	3.87E-09	3.86E-07	2.02E-07
4667	477363.09, 3860377.25	2.28E-03	7.19E-07	3.05E-07	1.20E-03	3.78E-07	1.60E-07	1.35E-04	4.25E-08	2.45E-09	1.42E-04	4.48E-08	3.40E-09	3.06E-07	1.61E-07
4668	477863.09, 3860377.25	2.61E-03	8.23E-07	3.49E-07	1.36E-03	4.30E-07	1.82E-07	1.44E-04	4.55E-08	2.62E-09	1.53E-04	4.84E-08	3.68E-09	3.50E-07	1.84E-07
4669	478363.09, 3860377.25	3.51E-03	1.11E-06	4.70E-07	1.82E-03	5.74E-07	2.43E-07	1.69E-04	5.34E-08	3.07E-09	1.84E-04	5.82E-08	4.42E-09	4.71E-07	2.45E-07
4670	478863.09, 3860377.25	3.98E-03	1.26E-06	5.33E-07	2.06E-03	6.51E-07	2.76E-07	1.97E-04	6.23E-08	3.58E-09	2.12E-04	6.70E-08	5.08E-09	5.34E-07	2.78E-07
4671	479363.09, 3860377.25	4.35E-03	1.37E-06	5.82E-07	2.26E-03	7.15E-07	3.03E-07	2.30E-04	7.27E-08	4.18E-09	2.42E-04	7.62E-08	5.79E-09	5.84E-07	3.05E-07
4672	479863.09, 3860377.25	4.48E-03	1.41E-06	5.99E-07	2.35E-03	7.40E-07	3.14E-07	2.58E-04	8.16E-08	4.69E-09	2.64E-04	8.35E-08	6.33E-09	6.01E-07	3.16E-07
4673	480363.09, 3860377.25	4.57E-03	1.44E-06	6.11E-07	2.40E-03	7.58E-07	3.22E-07	2.80E-04	8.85E-08	5.09E-09	2.81E-04	8.86E-08	6.73E-09	6.13E-07	3.23E-07
4674	480863.09, 3860377.25	4.68E-03	1.48E-06	6.26E-07	2.47E-03	7.79E-07	3.31E-07	2.99E-04	9.44E-08	5.43E-09	2.95E-04	9.32E-08	7.08E-09	6.28E-07	3.32E-07
4675	481363.09, 3860377.25	4.84E-03	1.53E-06	6.49E-07	2.56E-03	8.07E-07	3.43E-07	3.10E-04	9.79E-08	5.63E-09	3.07E-04	9.69E-08	7.35E-09	6.50E-07	3.44E-07
4676	481863.09, 3860377.25	5.02E-03	1.59E-06	6.73E-07	2.66E-03	8.39E-07	3.56E-07	3.29E-04	1.04E-07	5.97E-09	3.23E-04	1.02E-07	7.74E-09	6.75E-07	3.58E-07

4677	482363.09, 3860377.25	5.27E-03	1.66E-06	7.06E-07	2.79E-03	8.80E-07	3.73E-07	3.45E-04	1.09E-07	6.26E-09	3.36E-04	1.06E-07	8.05E-09	7.08E-07	3.75E-07
4678	482863.09, 3860377.25	5.50E-03	1.74E-06	7.37E-07	2.91E-03	9.18E-07	3.89E-07	3.57E-04	1.13E-07	6.48E-09	3.49E-04	1.10E-07	8.37E-09	7.38E-07	3.91E-07
4679	483363.09, 3860377.25	5.67E-03	1.79E-06	7.60E-07	3.01E-03	9.49E-07	4.03E-07	3.79E-04	1.20E-07	6.88E-09	3.67E-04	1.16E-07	8.80E-09	7.62E-07	4.04E-07
4680	483863.09, 3860377.25	5.95E-03	1.88E-06	7.96E-07	3.15E-03	9.94E-07	4.22E-07	3.96E-04	1.25E-07	7.19E-09	3.84E-04	1.21E-07	9.19E-09	7.98E-07	4.24E-07
4681	484363.09, 3860377.25	6.14E-03	1.94E-06	8.22E-07	3.26E-03	1.03E-06	4.36E-07	4.21E-04	1.33E-07	7.65E-09	4.03E-04	1.27E-07	9.66E-09	8.24E-07	4.38E-07
4682	484863.09, 3860377.25	6.61E-03	2.09E-06	8.85E-07	3.50E-03	1.11E-06	4.69E-07	4.42E-04	1.39E-07	8.02E-09	4.24E-04	1.34E-07	1.02E-08	8.87E-07	4.71E-07
4683	485363.09, 3860377.25	7.32E-03	2.31E-06	9.80E-07	3.86E-03	1.22E-06	5.17E-07	4.67E-04	1.47E-07	8.47E-09	4.49E-04	1.42E-07	1.08E-08	9.82E-07	5.20E-07
4684	485863.09, 3860377.25	8.48E-03	2.68E-06	1.14E-06	4.46E-03	1.41E-06	5.97E-07	5.04E-04	1.59E-07	9.16E-09	4.83E-04	1.52E-07	1.16E-08	1.14E-06	5.99E-07
4685	486363.09, 3860377.25	1.01E-02	3.18E-06	1.35E-06	5.26E-03	1.66E-06	7.04E-07	5.50E-04	1.74E-07	9.98E-09	5.26E-04	1.66E-07	1.26E-08	1.35E-06	7.07E-07
4686	486863.09, 3860377.25	1.29E-02	4.07E-06	1.73E-06	6.66E-03	2.10E-06	8.92E-07	6.00E-04	1.89E-07	1.09E-08	5.75E-04	1.81E-07	1.38E-08	1.73E-06	8.95E-07
4687	487363.09, 3860377.25	2.20E-02	6.94E-06	2.95E-06	1.11E-02	3.51E-06	1.49E-06	6.61E-04	2.09E-07	1.20E-08	6.33E-04	2.00E-07	1.52E-08	2.95E-06	1.49E-06
4688	487863.09, 3860377.25	1.15E-01	3.63E-05	1.54E-05	5.65E-02	1.78E-05	7.56E-06	7.43E-04	2.34E-07	1.35E-08	7.18E-04	2.27E-07	1.72E-08	1.54E-05	7.57E-06
4689	488363.09, 3860377.25	1.45E-01	4.57E-05	1.94E-05	7.11E-02	2.24E-05	9.51E-06	8.35E-04	2.64E-07	1.52E-08	8.21E-04	2.59E-07	1.97E-08	1.94E-05	9.52E-06
4690	488863.09, 3860377.25	1.50E-01	4.74E-05	2.01E-05	7.37E-02	2.33E-05	9.87E-06	9.57E-04	3.02E-07	1.74E-08	9.58E-04	3.02E-07	2.30E-08	2.01E-05	9.88E-06
4691	489363.09, 3860377.25	7.16E-02	2.26E-05	9.59E-06	3.56E-02	1.12E-05	4.77E-06	1.12E-03	3.55E-07	2.04E-08	1.14E-03	3.59E-07	2.73E-08	9.60E-06	4.77E-06
4692	489863.09, 3860377.25	3.77E-02	1.19E-05	5.05E-06	1.92E-02	6.07E-06	2.58E-06	1.35E-03	4.27E-07	2.46E-08	1.38E-03	4.35E-07	3.30E-08	5.06E-06	2.58E-06
4693	490363.09, 3860377.25	2.79E-02	8.82E-06	3.74E-06	1.47E-02	4.65E-06	1.97E-06	1.74E-03	5.48E-07	3.15E-08	1.78E-03	5.61E-07	4.25E-08	3.75E-06	1.98E-06
4694	490863.09, 3860377.25	2.51E-02	7.93E-06	3.36E-06	1.39E-02	4.39E-06	1.86E-06	2.63E-03	8.29E-07	4.77E-08	2.70E-03	8.52E-07	6.47E-08	3.38E-06	1.88E-06
4695	491363.09, 3860377.25	3.47E-02	1.10E-05	4.65E-06	2.20E-02	6.95E-06	2.95E-06	7.93E-03	2.50E-06	1.44E-07	8.07E-03	2.55E-06	1.93E-07	4.70E-06	3.00E-06
4696	491863.09, 3860377.25	4.96E-02	1.57E-05	6.64E-06	3.29E-02	1.04E-05	4.41E-06	1.36E-02	4.29E-06	2.47E-07	1.46E-02	4.61E-06	3.50E-07	6.74E-06	4.51E-06
4697	492363.09, 3860377.25	2.61E-02	8.23E-06	3.49E-06	1.62E-02	5.12E-06	2.17E-06	5.47E-03	1.73E-06	9.93E-08	5.77E-03	1.82E-06	1.38E-07	3.53E-06	2.21E-06
4698	492863.09, 3860377.25	2.18E-02	6.90E-06	2.93E-06	1.30E-02	4.10E-06	1.74E-06	3.68E-03	1.16E-06	6.67E-08	3.83E-03	1.21E-06	9.19E-08	2.95E-06	1.77E-06
4699	493363.09, 3860377.25	1.74E-02	5.50E-06	2.33E-06	1.02E-02	3.22E-06	1.37E-06	2.66E-03	8.39E-07	4.82E-08	2.76E-03	8.70E-07	6.60E-08	2.35E-06	1.38E-06
4700	493863.09, 3860377.25	1.55E-02	4.89E-06	2.07E-06	9.01E-03	2.84E-06	1.21E-06	2.28E-03	7.20E-07	4.14E-08	2.36E-03	7.44E-07	5.65E-08	2.09E-06	1.22E-06
4701	494363.09, 3860377.25	1.42E-02	4.47E-06	1.90E-06	8.13E-03	2.57E-06	1.09E-06	1.91E-03	6.02E-07	3.46E-08	1.96E-03	6.20E-07	4.70E-08	1.91E-06	1.10E-06
4702	494863.09, 3860377.25	1.30E-02	4.10E-06	1.74E-06	7.45E-03	2.35E-06	9.98E-07	1.76E-03	5.55E-07	3.19E-08	1.80E-03	5.69E-07	4.32E-08	1.75E-06	1.01E-06
4703	495363.09, 3860377.25	1.22E-02	3.85E-06	1.63E-06	6.94E-03	2.19E-06	9.29E-07	1.55E-03	4.90E-07	2.82E-08	1.59E-03	5.02E-07	3.81E-08	1.64E-06	9.39E-07
4704	495863.09, 3860377.25	1.16E-02	3.67E-06	1.56E-06	6.51E-03	2.05E-06	8.71E-07	1.32E-03	4.15E-07	2.39E-08	1.35E-03	4.25E-07	3.23E-08	1.57E-06	8.80E-07
4705	496363.09, 3860377.25	1.11E-02	3.49E-06	1.48E-06	6.12E-03	1.93E-06	8.19E-07	1.15E-03	3.62E-07	2.08E-08	1.18E-03	3.71E-07	2.82E-08	1.49E-06	8.27E-07
4706	496863.09, 3860377.25	1.05E-02	3.31E-06	1.40E-06	5.77E-03	1.82E-06	7.73E-07	1.04E-03	3.27E-07	1.88E-08	1.07E-03	3.37E-07	2.56E-08	1.41E-06	7.80E-07
4707	497363.09, 3860377.25	9.79E-03	3.09E-06	1.31E-06	5.36E-03	1.69E-06	7.18E-07	9.24E-04	2.92E-07	1.68E-08	9.57E-04	3.02E-07	2.29E-08	1.32E-06	7.24E-07
4708	497863.09, 3860377.25	9.61E-03	3.03E-06	1.29E-06	5.31E-03	1.68E-06	7.11E-07	9.81E-04	3.10E-07	1.78E-08	1.01E-03	3.19E-07	2.42E-08	1.29E-06	7.18E-07
4709	498363.09, 3860377.25	9.18E-03	2.90E-06	1.23E-06	5.14E-03	1.62E-06	6.89E-07	1.05E-03	3.30E-07	1.90E-08	1.07E-03	3.38E-07	2.57E-08	1.24E-06	6.95E-07
4710	471363.09, 3860877.25	2.23E-03	7.04E-07	2.99E-07	1.19E-03	3.77E-07	1.60E-07	1.68E-04	5.29E-08	3.04E-09	1.73E-04	5.46E-08	4.14E-09	3.00E-07	1.61E-07
4711	471863.09, 3860877.25	2.29E-03	7.23E-07	3.07E-07	1.23E-03	3.87E-07	1.64E-07	1.71E-04	5.39E-08	3.10E-09	1.76E-04	5.56E-08	4.22E-09	3.08E-07	1.65E-07
4712	472363.09, 3860877.25	2.37E-03	7.47E-07	3.17E-07	1.27E-03	4.00E-07	1.70E-07	1.75E-04	5.54E-08	3.18E-09	1.80E-04	5.67E-08	4.30E-09	3.18E-07	1.71E-07
4713	472863.09, 3860877.25	2.46E-03	7.75E-07	3.29E-07	1.31E-03	4.14E-07	1.76E-07	1.79E-04	5.64E-08	3.24E-09	1.84E-04	5.82E-08	4.42E-09	3.30E-07	1.77E-07
4714	473363.09, 3860877.25	2.55E-03	8.03E-07	3.41E-07	1.36E-03	4.28E-07	1.82E-07	1.83E-04	5.78E-08	3.33E-09	1.88E-04	5.92E-08	4.50E-09	3.42E-07	1.83E-07
4715	473863.09, 3860877.25	2.65E-03	8.35E-07	3.54E-07	1.41E-03	4.44E-07	1.89E-07	1.86E-04	5.88E-08	3.38E-09	1.91E-04	6.03E-08	4.57E-09	3.56E-07	1.90E-07
4716	474363.09, 3860877.25	2.76E-03	8.71E-07	3.70E-07	1.47E-03	4.63E-07	1.96E-07	1.90E-04	5.98E-08	3.44E-09	1.94E-04	6.13E-08	4.65E-09	3.71E-07	1.97E-07
4717	474863.09, 3860877.25	2.87E-03	9.07E-07	3.85E-07	1.52E-03	4.81E-07	2.04E-07	1.93E-04	6.08E-08	3.50E-09	1.98E-04	6.23E-08	4.73E-09	3.86E-07	2.05E-07
4718	475363.09, 3860877.25	3.01E-03	9.49E-07	4.03E-07	1.59E-03	5.01E-07	2.12E-07	1.91E-04	6.03E-08	3.47E-09	1.98E-04	6.23E-08	4.73E-09	4.04E-07	2.14E-07
4719	475863.09, 3860877.25	3.12E-03	9.85E-07	4.18E-07	1.64E-03	5.18E-07	2.20E-07	1.86E-04	5.88E-08	3.38E-09	1.96E-04	6.18E-08	4.69E-09	4.19E-07	2.21E-07
4720	476363.09, 3860877.25	3.16E-03	9.98E-07	4.23E-07	1.65E-03	5.22E-07	2.21E-07	1.77E-04	5.59E-08	3.21E-09	1.89E-04	5.98E-08	4.54E-09	4.25E-07	2.23E-07
4721	476863.09, 3860877.25	3.23E-03	1.02E-06	4.32E-07	1.68E-03	5.31E-07	2.25E-07	1.74E-04	5.49E-08	3.16E-09	1.86E-04	5.87E-08	4.46E-09	4.33E-07	2.27E-07
4722	477363.09, 3860877.25	3.34E-03	1.05E-06	4.47E-07	1.74E-03	5.49E-07	2.33E-07	1.75E-04	5.54E-08	3.18E-09	1.89E-04	5.98E-08	4.54E-09	4.49E-07	2.34E-07
4723	477863.09, 3860877.25	3.33E-03	1.05E-06	4.46E-07	1.73E-03	5.46E-07	2.32E-07	1.68E-04	5.29E-08	3.04E-09	1.81E-04	5.72E-08	4.34E-09	4.47E-07	2.33E-07
4724	478363.09, 3860877.25	2.79E-03	8.81E-07	3.74E-07	1.45E-03	4.59E-07	1.95E-07	1.47E-04	4.65E-08	2.67E-09	1.57E-04	4.95E-08	3.75E-09	3.75E-07	1.96E-07
4725	478863.09, 3860877.25	3.72E-03	1.17E-06	4.98E-07	1.93E-03	6.09E-07	2.59E-07	1.86E-04	5.88E-08	3.38E-09	2.01E-04	6.34E-08	4.81E-09	5.00E-07	2.60E-07
4726	479363.09, 3860877.25	4.04E-03	1.27E-06	5.40E-07	2.11E-03	6.65E-07	2.82E-07	2.21E-04	6.97E-08	4.01E-09	2.30E-04	7.26E-08	5.51E-09	5.42E-07	2.84E-07
4727	479863.09, 3860877.25	4.10E-03	1.29E-06	5.49E-07	2.15E-03	6.80E-07	2.89E-07	2.46E-04	7.76E-08	4.46E-09	2.51E-04	7.93E-08	6.02E-09	5.51E-07	2.90E-07
4728	480363.09, 3860877.25	4.14E-03	1.31E-06	5.55E-07	2.19E-03	6.91E-07	2.93E-07	2.66E-04	8.41E-08	4.83E-09	2.68E-04	8.45E-08	6.41E-09	5.57E-07	2.95E-07
4729	480863.09, 3860877.25	4.23E-03	1.34E-06	5.67E-07	2.24E-03	7.07E-07	3.00E-07	2.79E-04	8.80E-08	5.06E-09	2.77E-04	8.76E-08	6.65E-09	5.68E-07	3.02E-07
4730	481363.09, 3860877.25	4.35E-03	1.37E-06	5.82E-07	2.30E-03	7.27E-07	3.09E-07	2.91E-04	9.20E-08	5.29E-09	2.91E-04	9.17E-08	6.96E-09	5.84E-07	3.10E-07
4731	481863.09, 3860877.25	4.52E-03	1.43E-06	6.06E-07	2.40E-03	7.57E-07	3.21E-07	3.05E-04	9.64E-08	5.55E-09	3.02E-04	9.53E-08	7.23E-09	6.07E-07	3.23E-07
4732	482363.09, 3860877.25	4.68E-03	1.48E-06	6.27E-07	2.49E-03	7.85E-07	3.33E-07	3.20E-04	1.01E-07	5.80E-09	3.13E-04	9.89E-08	7.51E-09	6.29E-07	3.35E-07
4733	482863.09, 3860877.25	4.85E-03	1.53E-06	6.50E-07	2.58E-03	8.13E-07	3.45E-07	3.31E-04	1.04E-07	6.00E-09	3.25E-04	1.03E-07	7.78E-09	6.52E-07	3.47E-07
4734	483363.09, 3860877.25	5.04E-03	1.59E-06	6.75E-07	2.68E-03	8.45E-07	3.58E-07	3.46E-04	1.09E-07	6.28E-09	3.40E-04	1.07E-07	8.13E-09	6.77E-07	3.60E-07
4735	483863.09, 3860877.25	5.22E-03	1.65E-06	7.00E-07	2.78E-03	8.77E-07	3.72E-07	3.63E-04	1.15E-07	6.60E-09	3.56E-04	1.12E-07	8.52E-09	7.02E-07	3.74E-07
4736	484363.09, 3860877.25	5.37E-03	1.69E-06	7.19E-07	2.86E-03	9.03E-07	3.83E-07	3.84E-04	1.21E-07	6.97E-09	3.74E-04	1.18E-07	8.95E-09	7.21E-07	3.85E-07
4737	484863.09, 3860877.25	5.58E-03	1.76E-06	7.47E-07	2.97E-03	9.39E-07	3.98E-07	3.99E-04	1.26E-07	7.25E-09	3.90E-04	1.23E-07	9.35E-09	7.49E-07	4.00E-07
4738	485363.09, 3860877.25	6.00E-03	1.89E-06	8.03E-07	3.19E-03	1.01E-06	4.27E-07	4.18E-04	1.32E-07	7.59E-09	4.11E-04	1.30E-07	9.85E-09	8.05E-07	4.29E-07
4739	485863.09, 3860877.25	6.65E-03	2.10E-06	8.91E-07	3.53E-03	1.11E-06	4.72E-07	4.46E-04	1.41E-07	8.10E-09	4.39E-04	1.39E-07	1.05E-08	8.94E-07	4.75E-07
4740	486363.09, 3860877.25	7.49E-03	2.36E-06	1.00E-06	3.95E-03	1.25E-06	5.29E-07	4.78E-04	1.51E-07	8.67E-09	4.68E-04	1.48E-07	1.12E-08	1.01E-06	5.32E-07
4741	486863.09, 3860877.25	8.68E-03	2.74E-06	1.16E-06	4.56E-03	1.44E-06	6.11E-07	5.15E-04	1.63E-07	9.36E-09	5.04E-04	1.59E-07	1.21E-08	1.17E-06	6.13E-07
4742	487363.09, 3860877.25	1.05E-02	3.31E-06	1.40E-06	5.46E-03	1.72E-06	7.32E-07	5.55E-04	1.75E-07	1.01E-08	5.42E-04	1.71E-07	1.30E-08	1.41E-06	7.35E-07
4743	487863.09, 3860877.25	1.28E-02	4.04E-06	1.71E-06	6.61E-03	2.09E-06	8.86E-07	6.03E-04	1.90E-07	1.09E-08	5.89E-04	1.86E-07	1.41E-08	1.72E-06	8.89E-07
4744	488363.09, 3860877.25	1.63E-02	5.14E-06	2.18E-06	8.36E-03	2.64E-06	1.12E-06	6.64E-04	2.10E-07	1.21E-08	6.55E-04	2.07E-07	1.57E-08	2.18E-06	1.12E-06
4745	488863.09, 3860877.25	1.73E-02	5.46E-06	2.31E-06	8.88E-03	2.80E-06	1.19E-06	7.24E-04	2.28E-07	1.31E-08	7.25E-04	2.29E-07	1.74E-08	2.32E-06	1.19E-06
4746	489363.09, 3860877.25	1.80E-02	5.69E-06	2.41E-06	9.29E-03	2.93E-06	1.24E-06	8.08E-04	2.55E-07	1.47E-08	8.23E-04	2.60E-07	1.97E-08	2.42E-06	1.25E-06
4747	489863.09, 3860877.25	1.62E-02	5.12E-06	2.17E-06	8.49E-03	2.68E-06	1.14E-06	9.29E-04	2.93E-07	1.69E-08	9.52E-04	3.00E-07	2.28E-08	2.18E-06	1.14E-06
4748	490363.09, 3860877.25	1.48E-02	4.66E-06	1.98E-06	7.91E-03	2.50E-06	1.06E-06	1.12E-03	3.54E-07	2.03E-08	1.14E-03	3.61E-07	2.74E-08	1.99E-06	1.07E-06
4749	490863.09, 3860877.25	1.40E-02	4.41E-06	1.87E-06	7.72E-03	2.44E-06	1.03E-06	1.44E-03	4.53E-07	2.61E-08	1.48E-03	4.66E-07	3.53E-08	1.88E-06	1.04E-06
4750	491363.09, 3860877.25	1.37E-02	4.32E-06	1.83E-06	8.00E-03	2.52E-06	1.07E-06	2.07E-03	6.53E-07	3.75E-08	2.13E-03	6.72E-07	5.10E-08	1.85E-06	1.08E-06
4751	491863.09, 3860877.25	1.62E-02	5.11E-06	2.17E-06	1.08E-02	3.41E-06	1.44E-06	4.50E-03	1.42E-06	8.17E-08	4.63E-03	1.46E-06	1.11E-07	2.20E-06	1.47E-06
4752	492363.09, 3860877.25	4.02E-02	1.27E-05	5.38E-06	3.51E-02	1.11E-05	4.70E-06	2.41E-02	7.61E-06	4.38E-07	2.53E-02	8.00E-06	6.07E-07	5.55E-06	4.87E-06
4753	492863.09, 3860877.25	1.83E-02	5.77E-06	2.45E-06	1.35E-02	4.25E-06	1.80E-06	7.09E-03	2.24E-06	1.29E-07	7.42E-03	2.34E-06	1.78E-07	2.50E-06	1.85E-06
4754	493363.09, 3860877.25	1.47E-02	4.65E-06	1.97E-06	1.01E-02	3.17E-06	1.35E-06	4.47E-03	1.41E-06	8.12E-08	4.67E-03	1.48E-06	1.12E-07	2.00E-06	1.38E-06
4755	493863.09, 3860877.25	1.31E-02	4.13E-06	1.75E-06	8.63E-03	2.72E-06	1.16E-06	3.50E-03	1.10E-06	6.35E-08	3.64E-03	1.15E-06	8.73E-08	1.78E-06	1.18E-06
4756	494363.09, 3860877.25	1.20E-02	3.79E-06	1.61E-06	7.75E-03	2.45E-06	1.04E-06	2.95E-03	9.30E-07	5.35E-08	3.06E-03	9.65E-07	7.32E-08	1.63E-06	1.06E-06
4757	494863.09, 3860877.25	1.12E-02	3.53E-06	1.50E-06	7.08E-03	2.23E-06	9.48E-07	2.52E-03	7.97E-07	4.58E-08	2.61E-03	8.25E-07	6.26E-08	1.52E-06	9.65E-07
4758	495363.09, 3860877.25	1.06E-02	3.33E-06	1.41E-06	6.56E-03	2.07E-06	8.79E-07	2.21E-03	6.96E-07	4.00E-08	2.28E-03	7.20E-07	5.47E-08	1.43E-06	8.93E-07
4759	495863.09, 3860877.25	1.00E-02	3.17E-06	1.34E-06	6.17E-03	1.95E-06	8.27E-07	2.00E-03	6.31E-07	3.63E-08	2.06E-03	6.52E-07	4.95E-08	1.36E-06	8.40E-07
4760	496363.09, 3860877.25	9.60E-03	3.03E-06	1.29E-06	5.78E-03	1.82E-06	7.73E-07	1.71E-03	5.40E-07	3.11E-08	1.76E-03	5.56E-07	4.22E-08	1.30E-06	7.85E-07
4761	496863.09, 3860877.25	9.23E-03	2.91E-06	1.24E-06	5.39E-03	1.70E-06	7.22E-07	1.39E-03	4.40E-07	2.53E-08	1.44E-03	4.53E-07	3.44E-08	1.25E-06	7.31E-07
4762	497363.09, 3860877.25	8.89E-03	2.81E-06	1.19E-06	5.17E-03	1.63E-06	6.92E-07	1.31E-03	4.13E-07	2.37E-08	1.35E-03	4.25E-07	3.23E-08	1.20E-06	7.01E-07
4763	497863.09, 3860877.25	8.55E-03	2.70E-06	1.15E-06	4.94E-03	1.56E-06	6.61E-07	1.20E-03	3.78E-07	2.18E-08	1.23E-03	3.89E-07	2.96E-08	1.15E-06	6.69E-07
4764	498363.09, 3860877.25	8.24E-03	2.60E-06	1.10E-06	4.79E-03	1.51E-06	6.42E-07	1.21E-03	3.82E-07	2.20E-08	1.25E-03	3.94E-07	2.99E-08	1.11E-06	6.50E-07
4765	471363.09, 3861377.25	2.17E-03	6.86E-07	2.91E-07	1.16E-03	3.67E-07	1.56E-07	1.64E-04	5.19E-08	2.99E-09	1.70E-04	5.36E-08	4.07E-09	2.92E-07	1.57E-07
4766	471863.09, 3861377.25	2.25E-03	7.09E-07	3.01E-07	1.20E-03	3.79E-07	1.61E-07	1.68E-04	5.29E-08	3.04E-09	1.73E-04	5.46E-08	4.14E-09	3.02E-07	1.62E-07

4767	472363.09, 3861377.25	2.32E-03	7.32E-07	3.11E-07	1.24E-03	3.91E-07	1.66E-07	1.71E-04	5.39E-08	3.10E-09	1.76E-04	5.56E-08	4.22E-09	3.12E-07	1.67E-07
4768	472863.09, 3861377.25	2.40E-03	7.56E-07	3.21E-07	1.28E-03	4.04E-07	1.71E-07	1.75E-04	5.54E-08	3.18E-09	1.80E-04	5.67E-08	4.30E-09	3.22E-07	1.72E-07
4769	473363.09, 3861377.25	2.48E-03	7.83E-07	3.32E-07	1.32E-03	4.18E-07	1.77E-07	1.79E-04	5.64E-08	3.24E-09	1.83E-04	5.77E-08	4.38E-09	3.33E-07	1.78E-07
4770	473863.09, 3861377.25	2.58E-03	8.14E-07	3.46E-07	1.37E-03	4.33E-07	1.84E-07	1.82E-04	5.74E-08	3.30E-09	1.86E-04	5.87E-08	4.46E-09	3.47E-07	1.85E-07
4771	474363.09, 3861377.25	2.65E-03	8.38E-07	3.55E-07	1.41E-03	4.45E-07	1.89E-07	1.85E-04	5.83E-08	3.36E-09	1.89E-04	5.98E-08	4.54E-09	3.57E-07	1.90E-07
4772	474863.09, 3861377.25	2.75E-03	8.69E-07	3.69E-07	1.46E-03	4.61E-07	1.96E-07	1.88E-04	5.93E-08	3.41E-09	1.93E-04	6.08E-08	4.61E-09	3.70E-07	1.97E-07
4773	475363.09, 3861377.25	2.84E-03	8.97E-07	3.81E-07	1.51E-03	4.76E-07	2.02E-07	1.93E-04	6.08E-08	3.50E-09	1.96E-04	6.18E-08	4.69E-09	3.82E-07	2.03E-07
4774	475863.09, 3861377.25	2.95E-03	9.32E-07	3.96E-07	1.56E-03	4.93E-07	2.09E-07	1.94E-04	6.13E-08	3.53E-09	1.99E-04	6.29E-08	4.77E-09	3.97E-07	2.11E-07
4775	476363.09, 3861377.25	3.08E-03	9.71E-07	4.12E-07	1.62E-03	5.12E-07	2.17E-07	1.93E-04	6.08E-08	3.50E-09	1.99E-04	6.29E-08	4.77E-09	4.13E-07	2.18E-07
4776	476863.09, 3861377.25	3.19E-03	1.01E-06	4.27E-07	1.67E-03	5.29E-07	2.24E-07	1.91E-04	6.03E-08	3.47E-09	1.99E-04	6.29E-08	4.77E-09	4.28E-07	2.26E-07
4777	477363.09, 3861377.25	3.29E-03	1.04E-06	4.40E-07	1.72E-03	5.44E-07	2.31E-07	1.91E-04	6.03E-08	3.47E-09	2.01E-04	6.34E-08	4.81E-09	4.41E-07	2.32E-07
4778	477863.09, 3861377.25	3.28E-03	1.04E-06	4.39E-07	1.71E-03	5.40E-07	2.29E-07	1.77E-04	5.59E-08	3.21E-09	1.89E-04	5.98E-08	4.54E-09	4.41E-07	2.30E-07
4779	478363.09, 3861377.25	2.91E-03	9.17E-07	3.89E-07	1.51E-03	4.77E-07	2.02E-07	1.49E-04	4.70E-08	2.70E-09	1.60E-04	5.05E-08	3.83E-09	3.90E-07	2.03E-07
4780	478863.09, 3861377.25	3.20E-03	1.01E-06	4.28E-07	1.66E-03	5.24E-07	2.22E-07	1.60E-04	5.04E-08	2.90E-09	1.73E-04	5.46E-08	4.14E-09	4.29E-07	2.23E-07
4781	479363.09, 3861377.25	3.71E-03	1.17E-06	4.96E-07	1.94E-03	6.11E-07	2.59E-07	2.05E-04	6.48E-08	3.73E-09	2.17E-04	6.85E-08	5.20E-09	4.98E-07	2.61E-07
4782	479863.09, 3861377.25	3.75E-03	1.18E-06	5.02E-07	1.97E-03	6.23E-07	2.64E-07	2.32E-04	7.32E-08	4.21E-09	2.38E-04	7.52E-08	5.71E-09	5.03E-07	2.66E-07
4783	480363.09, 3861377.25	3.77E-03	1.19E-06	5.04E-07	2.00E-03	6.30E-07	2.67E-07	2.52E-04	7.96E-08	4.58E-09	2.55E-04	8.04E-08	6.10E-09	5.06E-07	2.69E-07
4784	480863.09, 3861377.25	3.84E-03	1.21E-06	5.14E-07	2.04E-03	6.44E-07	2.73E-07	2.65E-04	8.36E-08	4.81E-09	2.64E-04	8.35E-08	6.33E-09	5.16E-07	2.75E-07
4785	481363.09, 3861377.25	3.91E-03	1.24E-06	5.24E-07	2.08E-03	6.57E-07	2.79E-07	2.76E-04	8.70E-08	5.00E-09	2.74E-04	8.65E-08	6.57E-09	5.26E-07	2.81E-07
4786	481863.09, 3861377.25	4.04E-03	1.28E-06	5.42E-07	2.15E-03	6.80E-07	2.89E-07	2.88E-04	9.10E-08	5.23E-09	2.84E-04	8.96E-08	6.80E-09	5.43E-07	2.90E-07
4787	482363.09, 3861377.25	4.18E-03	1.32E-06	5.60E-07	2.23E-03	7.04E-07	2.99E-07	2.99E-04	9.44E-08	5.43E-09	2.94E-04	9.27E-08	7.04E-09	5.62E-07	3.00E-07
4788	482863.09, 3861377.25	4.29E-03	1.35E-06	5.75E-07	2.29E-03	7.22E-07	3.06E-07	3.07E-04	9.69E-08	5.57E-09	3.04E-04	9.58E-08	7.27E-09	5.76E-07	3.08E-07
4789	483363.09, 3861377.25	4.41E-03	1.39E-06	5.91E-07	2.35E-03	7.43E-07	3.15E-07	3.20E-04	1.01E-07	5.80E-09	3.15E-04	9.94E-08	7.55E-09	5.93E-07	3.17E-07
4790	483863.09, 3861377.25	4.51E-03	1.42E-06	6.04E-07	2.41E-03	7.60E-07	3.23E-07	3.32E-04	1.05E-07	6.03E-09	3.28E-04	1.04E-07	7.86E-09	6.05E-07	3.24E-07
4791	484363.09, 3861377.25	4.65E-03	1.47E-06	6.23E-07	2.49E-03	7.85E-07	3.33E-07	3.46E-04	1.09E-07	6.28E-09	3.43E-04	1.08E-07	8.21E-09	6.24E-07	3.35E-07
4792	484863.09, 3861377.25	4.69E-03	1.48E-06	6.28E-07	2.51E-03	7.94E-07	3.37E-07	3.60E-04	1.14E-07	6.54E-09	3.57E-04	1.13E-07	8.56E-09	6.30E-07	3.39E-07
4793	485363.09, 3861377.25	4.78E-03	1.51E-06	6.40E-07	2.57E-03	8.10E-07	3.44E-07	3.73E-04	1.18E-07	6.77E-09	3.71E-04	1.17E-07	8.88E-09	6.42E-07	3.46E-07
4794	485863.09, 3861377.25	5.00E-03	1.58E-06	6.70E-07	2.69E-03	8.48E-07	3.60E-07	3.90E-04	1.23E-07	7.08E-09	3.90E-04	1.23E-07	9.35E-09	6.72E-07	3.62E-07
4795	486363.09, 3861377.25	5.34E-03	1.68E-06	7.15E-07	2.87E-03	9.04E-07	3.84E-07	4.15E-04	1.31E-07	7.54E-09	4.13E-04	1.30E-07	9.89E-09	7.17E-07	3.86E-07
4796	486863.09, 3861377.25	5.76E-03	1.82E-06	7.71E-07	3.09E-03	9.75E-07	4.14E-07	4.45E-04	1.40E-07	8.08E-09	4.41E-04	1.39E-07	1.06E-08	7.74E-07	4.16E-07
4797	487363.09, 3861377.25	6.00E-03	1.89E-06	8.04E-07	3.23E-03	1.02E-06	4.32E-07	4.76E-04	1.50E-07	8.64E-09	4.70E-04	1.48E-07	1.13E-08	8.06E-07	4.35E-07
4798	487863.09, 3861377.25	5.91E-03	1.87E-06	7.92E-07	3.21E-03	1.01E-06	4.30E-07	5.11E-04	1.61E-07	9.27E-09	5.04E-04	1.59E-07	1.21E-08	7.95E-07	4.32E-07
4799	488363.09, 3861377.25	6.30E-03	1.99E-06	8.44E-07	3.42E-03	1.08E-06	4.58E-07	5.51E-04	1.74E-07	1.00E-08	5.44E-04	1.72E-07	1.30E-08	8.47E-07	4.61E-07
4800	488863.09, 3861377.25	6.97E-03	2.20E-06	9.34E-07	3.78E-03	1.19E-06	5.06E-07	5.97E-04	1.88E-07	1.08E-08	5.96E-04	1.88E-07	1.43E-08	9.37E-07	5.09E-07
4801	489363.09, 3861377.25	8.10E-03	2.56E-06	1.08E-06	4.36E-03	1.38E-06	5.84E-07	6.45E-04	2.04E-07	1.17E-08	6.55E-04	2.07E-07	1.57E-08	1.09E-06	5.88E-07
4802	489863.09, 3861377.25	7.98E-03	2.52E-06	1.07E-06	4.35E-03	1.37E-06	5.82E-07	7.13E-04	2.25E-07	1.29E-08	7.35E-04	2.32E-07	1.76E-08	1.07E-06	5.87E-07
4803	490363.09, 3861377.25	7.90E-03	2.49E-06	1.06E-06	4.37E-03	1.38E-06	5.85E-07	8.15E-04	2.57E-07	1.48E-08	8.39E-04	2.65E-07	2.01E-08	1.06E-06	5.91E-07
4804	490863.09, 3861377.25	7.95E-03	2.51E-06	1.06E-06	4.49E-03	1.42E-06	6.01E-07	9.63E-04	3.04E-07	1.75E-08	9.86E-04	3.11E-07	2.36E-08	1.07E-06	6.07E-07
4805	491363.09, 3861377.25	8.14E-03	2.57E-06	1.09E-06	4.74E-03	1.49E-06	6.34E-07	1.20E-03	3.78E-07	2.17E-08	1.23E-03	3.89E-07	2.96E-08	1.10E-06	6.42E-07
4806	491863.09, 3861377.25	8.70E-03	2.75E-06	1.16E-06	5.30E-03	1.67E-06	7.10E-07	1.65E-03	5.21E-07	3.00E-08	1.71E-03	5.41E-07	4.11E-08	1.18E-06	7.21E-07
4807	492363.09, 3861377.25	1.02E-02	3.23E-06	1.37E-06	6.85E-03	2.16E-06	9.18E-07	2.90E-03	9.17E-07	5.27E-08	3.01E-03	9.49E-07	7.21E-08	1.39E-06	9.37E-07
4808	492863.09, 3861377.25	1.91E-02	6.03E-06	2.56E-06	1.58E-02	4.99E-06	2.12E-06	1.01E-02	3.19E-06	1.83E-07	1.04E-02	3.29E-06	2.50E-07	2.62E-06	2.18E-06
4809	493363.09, 3861377.25	6.32E-02	1.99E-05	8.46E-06	6.00E-02	1.89E-05	8.03E-06	4.53E-02	1.43E-05	8.22E-07	4.46E-02	1.41E-05	1.07E-06	8.71E-06	8.28E-06
4810	493863.09, 3861377.25	2.30E-02	7.27E-06	3.09E-06	1.99E-02	6.29E-06	2.67E-06	1.35E-02	4.26E-06	2.45E-07	1.39E-02	4.37E-06	3.32E-07	3.17E-06	2.76E-06
4811	494363.09, 3861377.25	1.58E-02	4.97E-06	2.11E-06	1.27E-02	4.01E-06	1.70E-06	7.80E-03	2.46E-06	1.42E-07	8.09E-03	2.55E-06	1.94E-07	2.16E-06	1.75E-06
4812	494863.09, 3861377.25	1.27E-02	4.02E-06	1.71E-06	9.74E-03	3.07E-06	1.30E-06	5.48E-03	1.73E-06	9.94E-08	5.70E-03	1.80E-06	1.37E-07	1.74E-06	1.34E-06
4813	495363.09, 3861377.25	1.11E-02	3.51E-06	1.49E-06	8.18E-03	2.58E-06	1.10E-06	4.28E-03	1.35E-06	7.77E-08	4.46E-03	1.41E-06	1.07E-07	1.52E-06	1.12E-06
4814	495863.09, 3861377.25	1.01E-02	3.19E-06	1.35E-06	7.23E-03	2.28E-06	9.68E-07	3.57E-03	1.13E-06	6.48E-08	3.72E-03	1.17E-06	8.91E-08	1.38E-06	9.92E-07
4815	496363.09, 3861377.25	9.31E-03	2.94E-06	1.25E-06	6.44E-03	2.03E-06	8.63E-07	2.96E-03	9.34E-07	5.37E-08	3.08E-03	9.72E-07	7.38E-08	1.27E-06	8.83E-07
4816	496863.09, 3861377.25	8.59E-03	2.71E-06	1.15E-06	5.68E-03	1.79E-06	7.60E-07	2.32E-03	7.31E-07	4.21E-08	2.41E-03	7.60E-07	5.77E-08	1.17E-06	7.76E-07
4817	497363.09, 3861377.25	8.19E-03	2.59E-06	1.10E-06	5.30E-03	1.67E-06	7.10E-07	2.03E-03	6.41E-07	3.69E-08	2.11E-03	6.65E-07	5.05E-08	1.11E-06	7.23E-07
4818	497863.09, 3861377.25	7.86E-03	2.48E-06	1.05E-06	4.99E-03	1.57E-06	6.68E-07	1.81E-03	5.70E-07	3.28E-08	1.87E-03	5.91E-07	4.48E-08	1.06E-06	6.80E-07
4819	498363.09, 3861377.25	7.56E-03	2.39E-06	1.01E-06	4.72E-03	1.49E-06	6.33E-07	1.62E-03	5.10E-07	2.93E-08	1.67E-03	5.29E-07	4.01E-08	1.02E-06	6.43E-07
4820	471363.09, 3861877.25	2.11E-03	6.66E-07	2.83E-07	1.13E-03	3.57E-07	1.51E-07	1.60E-04	5.04E-08	2.90E-09	1.65E-04	5.20E-08	3.95E-09	2.84E-07	1.52E-07
4821	471863.09, 3861877.25	2.18E-03	6.89E-07	2.92E-07	1.17E-03	3.69E-07	1.56E-07	1.63E-04	5.14E-08	2.96E-09	1.66E-04	5.25E-08	3.99E-09	2.93E-07	1.57E-07
4822	472363.09, 3861877.25	2.24E-03	7.08E-07	3.00E-07	1.20E-03	3.78E-07	1.60E-07	1.66E-04	5.24E-08	3.01E-09	1.70E-04	5.36E-08	4.07E-09	3.01E-07	1.62E-07
4823	472863.09, 3861877.25	2.32E-03	7.31E-07	3.10E-07	1.24E-03	3.91E-07	1.66E-07	1.71E-04	5.39E-08	3.10E-09	1.73E-04	5.46E-08	4.14E-09	3.11E-07	1.67E-07
4824	473363.09, 3861877.25	2.39E-03	7.54E-07	3.20E-07	1.27E-03	4.02E-07	1.71E-07	1.74E-04	5.49E-08	3.16E-09	1.76E-04	5.56E-08	4.22E-09	3.21E-07	1.72E-07
4825	473863.09, 3861877.25	2.46E-03	7.77E-07	3.30E-07	1.31E-03	4.14E-07	1.76E-07	1.77E-04	5.59E-08	3.21E-09	1.80E-04	5.67E-08	4.30E-09	3.31E-07	1.77E-07
4826	474363.09, 3861877.25	2.54E-03	8.00E-07	3.40E-07	1.35E-03	4.26E-07	1.81E-07	1.80E-04	5.69E-08	3.27E-09	1.83E-04	5.77E-08	4.38E-09	3.41E-07	1.82E-07
4827	474863.09, 3861877.25	2.62E-03	8.28E-07	3.51E-07	1.40E-03	4.40E-07	1.87E-07	1.83E-04	5.78E-08	3.33E-09	1.86E-04	5.87E-08	4.46E-09	3.52E-07	1.88E-07
4828	475363.09, 3861877.25	2.70E-03	8.52E-07	3.61E-07	1.43E-03	4.52E-07	1.92E-07	1.86E-04	5.88E-08	3.38E-09	1.89E-04	5.98E-08	4.54E-09	3.62E-07	1.93E-07
4829	475863.09, 3861877.25	2.76E-03	8.72E-07	3.70E-07	1.47E-03	4.63E-07	1.97E-07	1.91E-04	6.03E-08	3.47E-09	1.94E-04	6.13E-08	4.65E-09	3.71E-07	1.98E-07
4830	476363.09, 3861877.25	2.84E-03	8.95E-07	3.80E-07	1.51E-03	4.75E-07	2.02E-07	1.94E-04	6.13E-08	3.53E-09	1.98E-04	6.23E-08	4.73E-09	3.81E-07	2.03E-07
4831	476863.09, 3861877.25	2.94E-03	9.27E-07	3.93E-07	1.56E-03	4.91E-07	2.08E-07	1.96E-04	6.18E-08	3.55E-09	2.01E-04	6.34E-08	4.81E-09	3.95E-07	2.10E-07
4832	477363.09, 3861877.25	3.03E-03	9.58E-07	4.06E-07	1.60E-03	5.06E-07	2.15E-07	1.96E-04	6.18E-08	3.55E-09	2.01E-04	6.34E-08	4.81E-09	4.08E-07	2.16E-07
4833	477863.09, 3861877.25	3.05E-03	9.64E-07	4.09E-07	1.60E-03	5.05E-07	2.14E-07	1.74E-04	5.49E-08	3.16E-09	1.84E-04	5.82E-08	4.42E-09	4.10E-07	2.15E-07
4834	478363.09, 3861877.25	2.52E-03	7.95E-07	3.37E-07	1.31E-03	4.15E-07	1.76E-07	1.38E-04	4.35E-08	2.50E-09	1.47E-04	4.64E-08	3.52E-09	3.38E-07	1.77E-07
4835	478863.09, 3861877.25	3.07E-03	9.70E-07	4.12E-07	1.60E-03	5.05E-07	2.14E-07	1.61E-04	5.09E-08	2.93E-09	1.75E-04	5.51E-08	4.18E-09	4.13E-07	2.16E-07
4836	479363.09, 3861877.25	3.06E-03	9.64E-07	4.09E-07	1.59E-03	5.01E-07	2.13E-07	1.57E-04	4.94E-08	2.84E-09	1.71E-04	5.41E-08	4.11E-09	4.10E-07	2.14E-07
4837	479863.09, 3861877.25	3.44E-03	1.09E-06	4.61E-07	1.82E-03	5.74E-07	2.44E-07	2.21E-04	6.97E-08	4.01E-09	2.27E-04	7.16E-08	5.44E-09	4.62E-07	2.45E-07
4838	480363.09, 3861877.25	3.42E-03	1.08E-06	4.58E-07	1.82E-03	5.75E-07	2.44E-07	2.41E-04	7.61E-08	4.38E-09	2.43E-04	7.68E-08	5.83E-09	4.60E-07	2.45E-07
4839	480863.09, 3861877.25	3.48E-03	1.10E-06	4.66E-07	1.85E-03	5.85E-07	2.48E-07	2.51E-04	7.91E-08	4.55E-09	2.51E-04	7.93E-08	6.02E-09	4.67E-07	2.50E-07
4840	481363.09, 3861877.25	3.51E-03	1.11E-06	4.70E-07	1.87E-03	5.92E-07	2.51E-07	2.60E-04	8.21E-08	4.72E-09	2.60E-04	8.19E-08	6.22E-09	4.71E-07	2.53E-07
4841	481863.09, 3861877.25	3.59E-03	1.13E-06	4.81E-07	1.92E-03	6.07E-07	2.57E-07	2.71E-04	8.55E-08	4.92E-09	2.69E-04	8.50E-08	6.45E-09	4.82E-07	2.59E-07
4842	482363.09, 3861877.25	3.68E-03	1.16E-06	4.93E-07	1.97E-03	6.23E-07	2.64E-07	2.80E-04	8.85E-08	5.09E-09	2.77E-04	8.76E-08	6.65E-09	4.95E-07	2.66E-07
4843	482863.09, 3861877.25	3.76E-03	1.19E-06	5.03E-07	2.01E-03	6.36E-07	2.70E-07	2.87E-04	9.05E-08	5.20E-09	2.86E-04	9.02E-08	6.84E-09	5.05E-07	2.71E-07
4844	483363.09, 3861877.25	3.81E-03	1.20E-06	5.10E-07	2.05E-03	6.46E-07	2.74E-07	2.98E-04	9.39E-08	5.40E-09	2.95E-04	9.32E-08	7.08E-09	5.12E-07	2.76E-07
4845	483863.09, 3861877.25	3.82E-03	1.21E-06	5.12E-07	2.06E-03	6.49E-07	2.76E-07	3.07E-04	9.69E-08	5.57E-09	3.05E-04	9.63E-08	7.31E-09	5.13E-07	2.77E-07
4846	484363.09, 3861877.25	3.81E-03	1.20E-06	5.11E-07	2.06E-03	6.51E-07	2.76E-07	3.20E-04	1.01E-07	5.80E-09	3.18E-04	1.00E-07	7.62E-09	5.13E-07	2.78E-07
4847	484863.09, 3861877.25	3.91E-03	1.23E-06	5.23E-07	2.12E-03	6.68E-07	2.83E-07	3.32E-04	1.05E-07	6.03E-09	3.31E-04	1.05E-07	7.94E-09	5.25E-07	2.85E-07
4848	485363.09, 3861877.25	3.91E-03	1.23E-06	5.23E-07	2.12E-03	6.70E-07	2.84E-07	3.41E-04	1.08E-07	6.20E-09	3.43E-04	1.08E-07	8.21E-09	5.25E-07	2.86E-07
4849	485863.09, 3861877.25	3.87E-03	1.22E-06	5.18E-07	2.11E-03	6.66E-07	2.83E-07	3.52E-04	1.11E-07	6.40E-09	3.56E-04	1.12E-07	8.52E-09	5.20E-07	2.85E-07
4850	486363.09, 3861877.25	3.98E-03	1.26E-06	5.33E-07	2.18E-03	6.87E-07	2.92E-07	3.71E-04	1.17E-07	6.74E-09	3.74E-04	1.18E-07	8.95E-09	5.35E-07	2.94E-07
4851	486863.09, 3861877.25	4.15E-03	1.31E-06	5.56E-07	2.28E-03	7.18E-07	3.05E-07	3.95E-04	1.25E-07	7.17E-09	3.95E-04	1.25E-07	9.46E-09	5.58E-07	3.07E-07
4852	487363.09, 3861877.25	4.14E-03	1.31E-06	5.55E-07	2.29E-03	7.22E-07	3.06E-07	4.20E-04	1.33E-07	7.62E-09	4.18E-04	1.32E-07	1.00E-08	5.57E-07	3.09E-07
4853	487863.09, 3861877.25	4.06E-03	1.28E-06	5.44E-07	2.26E-03	7.15E-07	3.03E-07	4.45E-04	1.40E-07	8.08E-09	4.42E-04	1.40E-07	1.06E-08	5.47E-07	3.06E-07
4854	488363.09, 3861877.25	4.16E-03	1.31E-06	5.58E-07	2.33E-03	7.36E-07	3.12E-07	4.75E-04	1.50E-07	8.62E-09	4.70E-04	1.48E-07	1.13E-08	5.60E-07	3.15E-07
4855	488863.09, 3861877.25	4.78E-03	1.51E-06	6.40E-07	2.66E-03	8.38E-07	3.56E-07	5.09E-04	1.61E-07	9.24E-09	5.08E-04	1.60E-07	1.22E-08	6.43E-07	3.59E-07
4856	489363.09, 3861877.25	5.71E-03	1.80E-06	7.64E-07	3.13E-03	9.88E-07	4.19E-07	5.45E-04	1.72E-07	9.90E-09	5.50E-04	1.74E-07	1.32E-08	7.67E-07	4.22E-07

4857	489863.09, 3861877.25	5.52E-03	1.74E-06	7.39E-07	3.07E-03	9.68E-07	4.11E-07	5.89E-04	1.86E-07	1.07E-08	6.04E-04	1.91E-07	1.45E-08	7.43E-07	4.14E-07
4858	490363.09, 3861877.25	5.40E-03	1.70E-06	7.23E-07	3.05E-03	9.62E-07	4.08E-07	6.47E-04	2.04E-07	1.17E-08	6.73E-04	2.12E-07	1.61E-08	7.28E-07	4.12E-07
4859	490863.09, 3861877.25	5.33E-03	1.68E-06	7.13E-07	3.07E-03	9.67E-07	4.10E-07	7.33E-04	2.31E-07	1.33E-08	7.57E-04	2.39E-07	1.81E-08	7.18E-07	4.15E-07
4860	491363.09, 3861877.25	5.44E-03	1.72E-06	7.28E-07	3.20E-03	1.01E-06	4.28E-07	8.51E-04	2.68E-07	1.54E-08	8.72E-04	2.75E-07	2.09E-08	7.34E-07	4.33E-07
4861	491863.09, 3861877.25	5.69E-03	1.80E-06	7.62E-07	3.42E-03	1.08E-06	4.58E-07	1.01E-03	3.19E-07	1.84E-08	1.04E-03	3.30E-07	2.50E-08	7.68E-07	4.65E-07
4862	492363.09, 3861877.25	6.09E-03	1.92E-06	8.15E-07	3.77E-03	1.19E-06	5.05E-07	1.25E-03	3.95E-07	2.27E-08	1.30E-03	4.12E-07	3.12E-08	8.24E-07	5.13E-07
4863	492863.09, 3861877.25	6.56E-03	2.07E-06	8.79E-07	4.24E-03	1.34E-06	5.68E-07	1.62E-03	5.11E-07	2.94E-08	1.69E-03	5.32E-07	4.04E-08	8.90E-07	5.79E-07
4864	493363.09, 3861877.25	7.27E-03	2.30E-06	9.74E-07	4.95E-03	1.56E-06	6.63E-07	2.19E-03	6.91E-07	3.97E-08	2.28E-03	7.21E-07	5.47E-08	9.89E-07	6.78E-07
4865	493863.09, 3861877.25	8.58E-03	2.71E-06	1.15E-06	6.26E-03	1.98E-06	8.38E-07	3.23E-03	1.02E-06	5.85E-08	3.40E-03	1.07E-06	8.13E-08	1.17E-06	8.61E-07
4866	494363.09, 3861877.25	1.18E-02	3.71E-06	1.57E-06	9.46E-03	2.99E-06	1.27E-06	5.79E-03	1.83E-06	1.05E-07	6.16E-03	1.94E-06	1.47E-07	1.62E-06	1.31E-06
4867	494863.09, 3861877.25	3.42E-02	1.08E-05	4.57E-06	3.19E-02	1.01E-05	4.27E-06	2.37E-02	7.47E-06	4.29E-07	2.58E-02	8.14E-06	6.18E-07	4.76E-06	4.46E-06
4868	495363.09, 3861877.25	3.92E-02	1.24E-05	5.25E-06	3.70E-02	1.17E-05	4.95E-06	2.77E-02	8.75E-06	5.03E-07	2.87E-02	9.06E-06	6.88E-07	5.44E-06	5.14E-06
4869	495863.09, 3861877.25	1.87E-02	5.89E-06	2.50E-06	1.64E-02	5.19E-06	2.20E-06	1.14E-02	3.60E-06	2.07E-07	1.19E-02	3.76E-06	2.85E-07	2.58E-06	2.28E-06
4870	496363.09, 3861877.25	1.33E-02	4.20E-06	1.78E-06	1.11E-02	3.50E-06	1.49E-06	7.16E-03	2.26E-06	1.30E-07	7.50E-03	2.37E-06	1.80E-07	1.83E-06	1.54E-06
4871	496863.09, 3861877.25	9.29E-03	2.93E-06	1.24E-06	6.92E-03	2.18E-06	9.26E-07	3.71E-03	1.17E-06	6.74E-08	3.88E-03	1.23E-06	9.31E-08	1.27E-06	9.52E-07
4872	497363.09, 3861877.25	9.27E-03	2.93E-06	1.24E-06	7.03E-03	2.22E-06	9.41E-07	3.90E-03	1.23E-06	7.08E-08	4.08E-03	1.29E-06	9.77E-08	1.27E-06	9.68E-07
4873	497863.09, 3861877.25	8.67E-03	2.74E-06	1.16E-06	6.47E-03	2.04E-06	8.66E-07	3.48E-03	1.10E-06	6.32E-08	3.63E-03	1.15E-06	8.70E-08	1.19E-06	8.90E-07
4874	498363.09, 3861877.25	8.09E-03	2.55E-06	1.08E-06	5.89E-03	1.86E-06	7.89E-07	3.03E-03	9.56E-07	5.50E-08	3.16E-03	9.97E-07	7.57E-08	1.10E-06	8.10E-07
4875	471363.09, 3862377.25	2.05E-03	6.46E-07	2.74E-07	1.10E-03	3.46E-07	1.47E-07	1.57E-04	4.94E-08	2.84E-09	1.60E-04	5.05E-08	3.83E-09	2.75E-07	1.48E-07
4876	471863.09, 3862377.25	2.10E-03	6.64E-07	2.82E-07	1.13E-03	3.56E-07	1.51E-07	1.58E-04	4.99E-08	2.87E-09	1.63E-04	5.15E-08	3.91E-09	2.83E-07	1.52E-07
4877	472363.09, 3862377.25	2.15E-03	6.79E-07	2.88E-07	1.15E-03	3.64E-07	1.54E-07	1.63E-04	5.14E-08	2.96E-09	1.65E-04	5.20E-08	3.95E-09	2.89E-07	1.55E-07
4878	472863.09, 3862377.25	2.21E-03	6.98E-07	2.96E-07	1.18E-03	3.74E-07	1.59E-07	1.66E-04	5.24E-08	3.01E-09	1.68E-04	5.31E-08	4.03E-09	2.97E-07	1.60E-07
4879	473363.09, 3862377.25	2.29E-03	7.21E-07	3.06E-07	1.22E-03	3.86E-07	1.64E-07	1.69E-04	5.34E-08	3.07E-09	1.71E-04	5.41E-08	4.11E-09	3.07E-07	1.65E-07
4880	473863.09, 3862377.25	2.34E-03	7.40E-07	3.14E-07	1.25E-03	3.95E-07	1.68E-07	1.71E-04	5.39E-08	3.10E-09	1.75E-04	5.51E-08	4.18E-09	3.15E-07	1.69E-07
4881	474363.09, 3862377.25	2.41E-03	7.59E-07	3.22E-07	1.28E-03	4.05E-07	1.72E-07	1.74E-04	5.49E-08	3.16E-09	1.76E-04	5.56E-08	4.22E-09	3.23E-07	1.73E-07
4882	474863.09, 3862377.25	2.48E-03	7.83E-07	3.32E-07	1.32E-03	4.17E-07	1.77E-07	1.77E-04	5.59E-08	3.21E-09	1.80E-04	5.67E-08	4.30E-09	3.33E-07	1.78E-07
4883	475363.09, 3862377.25	2.53E-03	7.98E-07	3.39E-07	1.35E-03	4.26E-07	1.81E-07	1.82E-04	5.74E-08	3.30E-09	1.84E-04	5.82E-08	4.42E-09	3.40E-07	1.82E-07
4884	475863.09, 3862377.25	2.58E-03	8.14E-07	3.45E-07	1.38E-03	4.34E-07	1.84E-07	1.86E-04	5.88E-08	3.38E-09	1.88E-04	5.92E-08	4.50E-09	3.46E-07	1.85E-07
4885	476363.09, 3862377.25	2.64E-03	8.33E-07	3.53E-07	1.41E-03	4.44E-07	1.88E-07	1.90E-04	5.98E-08	3.44E-09	1.93E-04	6.08E-08	4.61E-09	3.54E-07	1.90E-07
4886	476863.09, 3862377.25	2.70E-03	8.51E-07	3.61E-07	1.44E-03	4.54E-07	1.92E-07	1.93E-04	6.08E-08	3.50E-09	1.96E-04	6.18E-08	4.69E-09	3.62E-07	1.94E-07
4887	477363.09, 3862377.25	2.79E-03	8.82E-07	3.74E-07	1.49E-03	4.69E-07	1.99E-07	1.94E-04	6.13E-08	3.53E-09	1.98E-04	6.23E-08	4.73E-09	3.75E-07	2.00E-07
4888	477863.09, 3862377.25	2.91E-03	9.17E-07	3.89E-07	1.53E-03	4.83E-07	2.05E-07	1.79E-04	5.64E-08	3.24E-09	1.86E-04	5.87E-08	4.46E-09	3.90E-07	2.06E-07
4889	478363.09, 3862377.25	2.87E-03	9.05E-07	3.84E-07	1.50E-03	4.73E-07	2.01E-07	1.61E-04	5.09E-08	2.93E-09	1.73E-04	5.46E-08	4.14E-09	3.85E-07	2.02E-07
4890	478863.09, 3862377.25	2.95E-03	9.30E-07	3.94E-07	1.54E-03	4.86E-07	2.06E-07	1.64E-04	5.19E-08	2.99E-09	1.76E-04	5.56E-08	4.22E-09	3.96E-07	2.07E-07
4891	479363.09, 3862377.25	3.07E-03	9.68E-07	4.11E-07	1.61E-03	5.08E-07	2.15E-07	1.79E-04	5.64E-08	3.24E-09	1.89E-04	5.98E-08	4.54E-09	4.12E-07	2.17E-07
4892	479863.09, 3862377.25	3.12E-03	9.85E-07	4.18E-07	1.66E-03	5.23E-07	2.22E-07	2.15E-04	6.77E-08	3.90E-09	2.19E-04	6.90E-08	5.24E-09	4.19E-07	2.23E-07
4893	480363.09, 3862377.25	3.08E-03	9.71E-07	4.12E-07	1.65E-03	5.19E-07	2.20E-07	2.30E-04	7.27E-08	4.18E-09	2.32E-04	7.32E-08	5.55E-09	4.13E-07	2.22E-07
4894	480863.09, 3862377.25	3.09E-03	9.74E-07	4.13E-07	1.66E-03	5.23E-07	2.22E-07	2.38E-04	7.52E-08	4.32E-09	2.38E-04	7.52E-08	5.71E-09	4.15E-07	2.23E-07
4895	481363.09, 3862377.25	3.10E-03	9.78E-07	4.15E-07	1.67E-03	5.26E-07	2.23E-07	2.46E-04	7.76E-08	4.46E-09	2.46E-04	7.78E-08	5.90E-09	4.16E-07	2.25E-07
4896	481863.09, 3862377.25	3.14E-03	9.91E-07	4.20E-07	1.69E-03	5.35E-07	2.27E-07	2.57E-04	8.11E-08	4.66E-09	2.55E-04	8.04E-08	6.10E-09	4.22E-07	2.28E-07
4897	482363.09, 3862377.25	3.20E-03	1.01E-06	4.29E-07	1.73E-03	5.46E-07	2.32E-07	2.65E-04	8.36E-08	4.81E-09	2.63E-04	8.29E-08	6.30E-09	4.30E-07	2.33E-07
4898	482863.09, 3862377.25	3.25E-03	1.02E-06	4.35E-07	1.75E-03	5.54E-07	2.35E-07	2.71E-04	8.55E-08	4.92E-09	2.69E-04	8.50E-08	6.45E-09	4.36E-07	2.37E-07
4899	483363.09, 3862377.25	3.28E-03	1.04E-06	4.39E-07	1.78E-03	5.61E-07	2.38E-07	2.79E-04	8.80E-08	5.06E-09	2.77E-04	8.76E-08	6.65E-09	4.41E-07	2.40E-07
4900	483863.09, 3862377.25	3.25E-03	1.03E-06	4.36E-07	1.77E-03	5.58E-07	2.37E-07	2.87E-04	9.05E-08	5.20E-09	2.87E-04	9.07E-08	6.88E-09	4.37E-07	2.39E-07
4901	484363.09, 3862377.25	3.27E-03	1.03E-06	4.38E-07	1.78E-03	5.63E-07	2.39E-07	2.96E-04	9.34E-08	5.37E-09	2.99E-04	9.43E-08	7.16E-09	4.40E-07	2.41E-07
4902	484863.09, 3862377.25	3.25E-03	1.03E-06	4.36E-07	1.78E-03	5.63E-07	2.39E-07	3.09E-04	9.74E-08	5.60E-09	3.10E-04	9.79E-08	7.43E-09	4.37E-07	2.41E-07
4903	485363.09, 3862377.25	3.19E-03	1.01E-06	4.27E-07	1.76E-03	5.55E-07	2.35E-07	3.18E-04	1.00E-07	5.77E-09	3.20E-04	1.01E-07	7.66E-09	4.29E-07	2.37E-07
4904	485863.09, 3862377.25	3.11E-03	9.82E-07	4.17E-07	1.73E-03	5.45E-07	2.31E-07	3.27E-04	1.03E-07	5.94E-09	3.31E-04	1.05E-07	7.94E-09	4.19E-07	2.33E-07
4905	486363.09, 3862377.25	3.11E-03	9.82E-07	4.17E-07	1.73E-03	5.47E-07	2.32E-07	3.40E-04	1.07E-07	6.17E-09	3.46E-04	1.09E-07	8.29E-09	4.19E-07	2.34E-07
4906	486863.09, 3862377.25	3.13E-03	9.87E-07	4.19E-07	1.75E-03	5.53E-07	2.35E-07	3.59E-04	1.13E-07	6.51E-09	3.62E-04	1.14E-07	8.68E-09	4.21E-07	2.37E-07
4907	487363.09, 3862377.25	3.13E-03	9.87E-07	4.19E-07	1.77E-03	5.58E-07	2.37E-07	3.81E-04	1.20E-07	6.91E-09	3.82E-04	1.21E-07	9.15E-09	4.21E-07	2.39E-07
4908	487863.09, 3862377.25	3.15E-03	9.94E-07	4.22E-07	1.79E-03	5.66E-07	2.40E-07	4.03E-04	1.27E-07	7.31E-09	4.03E-04	1.27E-07	9.66E-09	4.24E-07	2.43E-07
4909	488363.09, 3862377.25	3.19E-03	1.01E-06	4.27E-07	1.83E-03	5.76E-07	2.44E-07	4.25E-04	1.34E-07	7.71E-09	4.26E-04	1.34E-07	1.02E-08	4.29E-07	2.47E-07
4910	488863.09, 3862377.25	3.60E-03	1.14E-06	4.83E-07	2.05E-03	6.46E-07	2.74E-07	4.53E-04	1.43E-07	8.22E-09	4.52E-04	1.43E-07	1.08E-08	4.85E-07	2.77E-07
4911	489363.09, 3862377.25	4.56E-03	1.44E-06	6.11E-07	2.53E-03	8.00E-07	3.39E-07	4.82E-04	1.52E-07	8.76E-09	4.85E-04	1.53E-07	1.16E-08	6.14E-07	3.42E-07
4912	489863.09, 3862377.25	4.35E-03	1.37E-06	5.83E-07	2.45E-03	7.73E-07	3.28E-07	5.14E-04	1.62E-07	9.33E-09	5.22E-04	1.65E-07	1.25E-08	5.86E-07	3.31E-07
4913	490363.09, 3862377.25	4.35E-03	1.37E-06	5.82E-07	2.47E-03	7.80E-07	3.31E-07	5.48E-04	1.73E-07	9.95E-09	5.68E-04	1.79E-07	1.36E-08	5.86E-07	3.35E-07
4914	490863.09, 3862377.25	4.18E-03	1.32E-06	5.59E-07	2.42E-03	7.63E-07	3.24E-07	5.95E-04	1.88E-07	1.08E-08	6.22E-04	1.96E-07	1.49E-08	5.64E-07	3.28E-07
4915	491363.09, 3862377.25	4.13E-03	1.30E-06	5.53E-07	2.44E-03	7.69E-07	3.26E-07	6.58E-04	2.08E-07	1.19E-08	6.81E-04	2.15E-07	1.63E-08	5.58E-07	3.31E-07
4916	491863.09, 3862377.25	4.19E-03	1.32E-06	5.61E-07	2.51E-03	7.93E-07	3.36E-07	7.32E-04	2.31E-07	1.33E-08	7.49E-04	2.36E-07	1.79E-08	5.66E-07	3.41E-07
4917	492363.09, 3862377.25	4.37E-03	1.38E-06	5.85E-07	2.65E-03	8.38E-07	3.55E-07	8.19E-04	2.59E-07	1.49E-08	8.46E-04	2.67E-07	2.03E-08	5.90E-07	3.61E-07
4918	492863.09, 3862377.25	4.58E-03	1.44E-06	6.13E-07	2.83E-03	8.94E-07	3.79E-07	9.38E-04	2.96E-07	1.70E-08	9.79E-04	3.09E-07	2.35E-08	6.19E-07	3.86E-07
4919	493363.09, 3862377.25	4.77E-03	1.51E-06	6.39E-07	3.03E-03	9.55E-07	4.05E-07	1.09E-03	3.45E-07	1.98E-08	1.14E-03	3.59E-07	2.73E-08	6.46E-07	4.13E-07
4920	493863.09, 3862377.25	5.03E-03	1.59E-06	6.74E-07	3.27E-03	1.03E-06	4.38E-07	1.28E-03	4.04E-07	2.32E-08	1.33E-03	4.19E-07	3.18E-08	6.82E-07	4.47E-07
4921	494363.09, 3862377.25	5.42E-03	1.71E-06	7.26E-07	3.64E-03	1.15E-06	4.88E-07	1.55E-03	4.90E-07	2.82E-08	1.61E-03	5.10E-07	3.87E-08	7.37E-07	4.98E-07
4922	494863.09, 3862377.25	5.94E-03	1.87E-06	7.95E-07	4.14E-03	1.31E-06	5.55E-07	1.94E-03	6.13E-07	3.53E-08	2.03E-03	6.41E-07	4.86E-08	8.09E-07	5.68E-07
4923	495363.09, 3862377.25	6.62E-03	2.09E-06	8.86E-07	4.85E-03	1.53E-06	6.49E-07	2.52E-03	7.97E-07	4.58E-08	2.65E-03	8.36E-07	6.34E-08	9.04E-07	6.67E-07
4924	495863.09, 3862377.25	8.13E-03	2.56E-06	1.09E-06	6.39E-03	2.02E-06	8.55E-07	3.77E-03	1.19E-06	6.84E-08	3.96E-03	1.25E-06	9.49E-08	1.11E-06	8.82E-07
4925	496363.09, 3862377.25	1.28E-02	4.03E-06	1.71E-06	1.10E-02	3.48E-06	1.48E-06	7.47E-03	2.36E-06	1.36E-07	7.84E-03	2.47E-06	1.88E-07	1.76E-06	1.53E-06
4926	496863.09, 3862377.25	8.57E-02	2.70E-05	1.15E-05	8.39E-02	2.65E-05	1.12E-05	6.54E-02	2.06E-05	1.19E-06	6.64E-02	2.10E-05	1.59E-06	1.19E-05	1.16E-05
4927	497363.09, 3862377.25	5.21E-02	1.65E-05	6.98E-06	5.04E-02	1.59E-05	6.75E-06	3.88E-02	1.22E-05	7.04E-07	4.08E-02	1.29E-05	9.77E-07	7.26E-06	7.02E-06
4928	497863.09, 3862377.25	1.32E-01	4.15E-05	1.76E-05	1.30E-01	4.10E-05	1.74E-05	1.02E-01	3.22E-05	1.85E-06	1.14E-01	3.60E-05	2.74E-06	1.85E-05	1.83E-05
4929	498363.09, 3862377.25	2.02E-02	6.38E-06	2.71E-06	1.85E-02	5.84E-06	2.48E-06	1.34E-02	4.23E-06	2.43E-07	1.39E-02	4.37E-06	3.32E-07	2.80E-06	2.56E-06
4930	471363.09, 3862877.25	1.97E-03	6.22E-07	2.64E-07	1.06E-03	3.34E-07	1.42E-07	1.52E-04	4.80E-08	2.76E-09	1.55E-04	4.89E-08	3.71E-09	2.65E-07	1.43E-07
4931	471863.09, 3862877.25	2.02E-03	6.37E-07	2.70E-07	1.08E-03	3.41E-07	1.45E-07	1.55E-04	4.89E-08	2.82E-09	1.58E-04	5.00E-08	3.79E-09	2.71E-07	1.46E-07
4932	472363.09, 3862877.25	2.06E-03	6.51E-07	2.76E-07	1.11E-03	3.49E-07	1.48E-07	1.58E-04	4.99E-08	2.87E-09	1.62E-04	5.10E-08	3.87E-09	2.77E-07	1.49E-07
4933	472863.09, 3862877.25	2.12E-03	6.71E-07	2.85E-07	1.14E-03	3.59E-07	1.52E-07	1.61E-04	5.09E-08	2.93E-09	1.63E-04	5.15E-08	3.91E-09	2.85E-07	1.53E-07
4934	473363.09, 3862877.25	2.17E-03	6.85E-07	2.91E-07	1.16E-03	3.67E-07	1.56E-07	1.64E-04	5.19E-08	2.99E-09	1.66E-04	5.25E-08	3.99E-09	2.92E-07	1.57E-07
4935	473863.09, 3862877.25	2.23E-03	7.04E-07	2.99E-07	1.19E-03	3.77E-07	1.60E-07	1.66E-04	5.24E-08	3.01E-09	1.70E-04	5.36E-08	4.07E-09	3.00E-07	1.61E-07
4936	474363.09, 3862877.25	2.28E-03	7.19E-07	3.05E-07	1.22E-03	3.84E-07	1.63E-07	1.69E-04	5.34E-08	3.07E-09	1.71E-04	5.41E-08	4.11E-09	3.06E-07	1.64E-07
4937	474863.09, 3862877.25	2.32E-03	7.33E-07	3.11E-07	1.24E-03	3.92E-07	1.66E-07	1.72E-04	5.44E-08	3.13E-09	1.75E-04	5.51E-08	4.18E-09	3.12E-07	1.67E-07
4938	475363.09, 3862877.25	2.36E-03	7.44E-07	3.16E-07	1.26E-03	3.98E-07	1.69E-07	1.77E-04	5.59E-08	3.21E-09	1.80E-04	5.67E-08	4.30E-09	3.17E-07	1.70E-07
4939	475863.09, 3862877.25	2.40E-03	7.58E-07	3.22E-07	1.29E-03	4.06E-07	1.72E-07	1.80E-04	5.69E-08	3.27E-09	1.83E-04	5.77E-08	4.38E-09	3.23E-07	1.73E-07
4940	476363.09, 3862877.25	2.44E-03	7.69E-07	3.26E-07	1.31E-03	4.12E-07	1.75E-07	1.85E-04	5.83E-08	3.36E-09	1.86E-04	5.87E-08	4.46E-09	3.27E-07	1.76E-07
4941	476863.09, 3862877.25	2.49E-03	7.87E-07	3.34E-07	1.33E-03	4.21E-07	1.79E-07	1.86E-04	5.88E-08	3.38E-09	1.89E-04	5.98E-08	4.54E-09	3.35E-07	1.80E-07
4942	477363.09, 3862877.25	2.57E-03	8.10E-07	3.44E-07	1.37E-03	4.33E-07	1.84E-07	1.90E-04	5.98E-08	3.44E-09	1.93E-04	6.08E-08	4.61E-09	3.45E-07	1.85E-07
4943	477863.09, 3862877.25	2.67E-03	8.43E-07	3.58E-07	1.42E-03	4.48E-07	1.90E-07	1.85E-04	5.83E-08	3.36E-09	1.89E-04	5.98E-08	4.54E-09	3.59E-07	1.91E-07
4944	478363.09, 3862877.25	2.71E-03	8.54E-07	3.62E-07	1.43E-03	4.50E-07	1.91E-07	1.69E-04	5.34E-08	3.07E-09	1.78E-04	5.62E-08	4.26E-09	3.64E-07	1.92E-07
4945	478863.09, 3862877.25	2.75E-03	8.69E-07	3.69E-07	1.45E-03	4.58E-07	1.94E-07	1.71E-04	5.39E-08	3.10E-09	1.80E-04	5.67E-08	4.30E-09	3.70E-07	1.95E-07
4946	479363.09, 3862877.25	2.82E-03	8.89E-07	3.77E-07	1.48E-03	4.68E-07	1.99E-07	1.75E-04	5.54E-08	3.18E-09	1.84E-04	5.82E-08	4.42E-09	3.78E-07	2.00E-07

4947	479863.09, 3862877.25	2.76E-03	8.70E-07	3.69E-07	1.48E-03	4.67E-07	1.98E-07	2.11E-04	6.67E-08	3.84E-09	2.14E-04	6.75E-08	5.12E-09	3.71E-07	1.99E-07
4948	480363.09, 3862877.25	2.74E-03	8.66E-07	3.67E-07	1.48E-03	4.66E-07	1.98E-07	2.21E-04	6.97E-08	4.01E-09	2.20E-04	6.95E-08	5.28E-09	3.69E-07	1.99E-07
4949	480863.09, 3862877.25	2.75E-03	8.68E-07	3.68E-07	1.48E-03	4.68E-07	1.99E-07	2.26E-04	7.12E-08	4.09E-09	2.27E-04	7.16E-08	5.44E-09	3.70E-07	2.00E-07
4950	481363.09, 3862877.25	2.73E-03	8.63E-07	3.66E-07	1.48E-03	4.68E-07	1.99E-07	2.35E-04	7.42E-08	4.27E-09	2.35E-04	7.42E-08	5.63E-09	3.67E-07	2.00E-07
4951	481863.09, 3862877.25	2.82E-03	8.91E-07	3.78E-07	1.53E-03	4.83E-07	2.05E-07	2.43E-04	7.66E-08	4.41E-09	2.42E-04	7.62E-08	5.79E-09	3.79E-07	2.06E-07
4952	482363.09, 3862877.25	2.81E-03	8.88E-07	3.77E-07	1.53E-03	4.83E-07	2.05E-07	2.49E-04	7.86E-08	4.52E-09	2.50E-04	7.88E-08	5.98E-09	3.78E-07	2.06E-07
4953	482863.09, 3862877.25	2.85E-03	8.99E-07	3.81E-07	1.55E-03	4.89E-07	2.08E-07	2.55E-04	8.06E-08	4.64E-09	2.56E-04	8.09E-08	6.14E-09	3.83E-07	2.09E-07
4954	483363.09, 3862877.25	2.86E-03	9.02E-07	3.83E-07	1.56E-03	4.93E-07	2.09E-07	2.63E-04	8.31E-08	4.78E-09	2.63E-04	8.29E-08	6.30E-09	3.84E-07	2.11E-07
4955	483863.09, 3862877.25	2.82E-03	8.90E-07	3.77E-07	1.55E-03	4.88E-07	2.07E-07	2.69E-04	8.50E-08	4.89E-09	2.71E-04	8.55E-08	6.49E-09	3.79E-07	2.09E-07
4956	484363.09, 3862877.25	2.81E-03	8.87E-07	3.76E-07	1.55E-03	4.88E-07	2.07E-07	2.79E-04	8.80E-08	5.06E-09	2.81E-04	8.86E-08	6.73E-09	3.78E-07	2.09E-07
4957	484863.09, 3862877.25	2.74E-03	8.64E-07	3.66E-07	1.52E-03	4.79E-07	2.03E-07	2.88E-04	9.10E-08	5.23E-09	2.92E-04	9.22E-08	7.00E-09	3.68E-07	2.05E-07
4958	485363.09, 3862877.25	2.66E-03	8.39E-07	3.56E-07	1.49E-03	4.69E-07	1.99E-07	2.98E-04	9.39E-08	5.40E-09	3.02E-04	9.53E-08	7.23E-09	3.58E-07	2.01E-07
4959	485863.09, 3862877.25	2.56E-03	8.07E-07	3.42E-07	1.44E-03	4.55E-07	1.93E-07	3.07E-04	9.69E-08	5.57E-09	3.12E-04	9.84E-08	7.47E-09	3.44E-07	1.95E-07
4960	486363.09, 3862877.25	2.51E-03	7.94E-07	3.37E-07	1.43E-03	4.51E-07	1.91E-07	3.16E-04	9.99E-08	5.74E-09	3.23E-04	1.02E-07	7.74E-09	3.39E-07	1.93E-07
4961	486863.09, 3862877.25	2.47E-03	7.80E-07	3.31E-07	1.42E-03	4.47E-07	1.90E-07	3.31E-04	1.04E-07	6.00E-09	3.36E-04	1.06E-07	8.05E-09	3.33E-07	1.92E-07
4962	487363.09, 3862877.25	2.51E-03	7.94E-07	3.37E-07	1.45E-03	4.57E-07	1.94E-07	3.48E-04	1.10E-07	6.31E-09	3.53E-04	1.11E-07	8.45E-09	3.39E-07	1.96E-07
4963	487863.09, 3862877.25	2.55E-03	8.05E-07	3.41E-07	1.48E-03	4.66E-07	1.98E-07	3.67E-04	1.16E-07	6.65E-09	3.69E-04	1.16E-07	8.84E-09	3.44E-07	2.00E-07
4964	488363.09, 3862877.25	2.61E-03	8.23E-07	3.49E-07	1.52E-03	4.79E-07	2.03E-07	3.84E-04	1.21E-07	6.97E-09	3.87E-04	1.22E-07	9.27E-09	3.51E-07	2.05E-07
4965	488863.09, 3862877.25	2.86E-03	9.02E-07	3.83E-07	1.65E-03	5.22E-07	2.21E-07	4.04E-04	1.28E-07	7.34E-09	4.05E-04	1.28E-07	9.70E-09	3.85E-07	2.24E-07
4966	489363.09, 3862877.25	3.76E-03	1.19E-06	5.03E-07	2.11E-03	6.65E-07	2.82E-07	4.28E-04	1.35E-07	7.76E-09	4.29E-04	1.35E-07	1.03E-08	5.06E-07	2.84E-07
4967	489863.09, 3862877.25	3.62E-03	1.14E-06	4.84E-07	2.05E-03	6.48E-07	2.75E-07	4.53E-04	1.43E-07	8.22E-09	4.59E-04	1.45E-07	1.10E-08	4.87E-07	2.78E-07
4968	490363.09, 3862877.25	3.66E-03	1.16E-06	4.90E-07	2.09E-03	6.60E-07	2.80E-07	4.78E-04	1.51E-07	8.67E-09	4.90E-04	1.55E-07	1.17E-08	4.93E-07	2.83E-07
4969	490863.09, 3862877.25	3.55E-03	1.12E-06	4.75E-07	2.05E-03	6.48E-07	2.75E-07	5.04E-04	1.59E-07	9.16E-09	5.27E-04	1.66E-07	1.26E-08	4.79E-07	2.78E-07
4970	491363.09, 3862877.25	3.42E-03	1.08E-06	4.58E-07	2.01E-03	6.34E-07	2.69E-07	5.37E-04	1.70E-07	9.75E-09	5.63E-04	1.78E-07	1.35E-08	4.61E-07	2.73E-07
4971	491863.09, 3862877.25	3.36E-03	1.06E-06	4.50E-07	2.01E-03	6.35E-07	2.69E-07	5.81E-04	1.83E-07	1.05E-08	6.02E-04	1.90E-07	1.44E-08	4.54E-07	2.73E-07
4972	492363.09, 3862877.25	3.42E-03	1.08E-06	4.58E-07	2.07E-03	6.54E-07	2.77E-07	6.28E-04	1.98E-07	1.14E-08	6.43E-04	2.03E-07	1.54E-08	4.62E-07	2.81E-07
4973	492863.09, 3862877.25	3.56E-03	1.12E-06	4.77E-07	2.17E-03	6.86E-07	2.91E-07	6.83E-04	2.16E-07	1.24E-08	7.04E-04	2.22E-07	1.69E-08	4.81E-07	2.95E-07
4974	493363.09, 3862877.25	3.67E-03	1.16E-06	4.91E-07	2.27E-03	7.16E-07	3.04E-07	7.50E-04	2.37E-07	1.36E-08	7.83E-04	2.47E-07	1.88E-08	4.96E-07	3.09E-07
4975	493863.09, 3862877.25	3.76E-03	1.19E-06	5.04E-07	2.36E-03	7.45E-07	3.16E-07	8.16E-04	2.58E-07	1.48E-08	8.50E-04	2.68E-07	2.04E-08	5.10E-07	3.21E-07
4976	494363.09, 3862877.25	3.89E-03	1.23E-06	5.21E-07	2.48E-03	7.82E-07	3.32E-07	9.07E-04	2.86E-07	1.65E-08	9.39E-04	2.96E-07	2.25E-08	5.27E-07	3.38E-07
4977	494863.09, 3862877.25	4.08E-03	1.29E-06	5.46E-07	2.65E-03	8.37E-07	3.55E-07	1.04E-03	3.27E-07	1.88E-08	1.07E-03	3.38E-07	2.57E-08	5.53E-07	3.62E-07
4978	495363.09, 3862877.25	4.29E-03	1.36E-06	5.75E-07	2.85E-03	9.00E-07	3.82E-07	1.18E-03	3.72E-07	2.14E-08	1.22E-03	3.86E-07	2.93E-08	5.83E-07	3.90E-07
4979	495863.09, 3862877.25	4.49E-03	1.42E-06	6.01E-07	3.04E-03	9.60E-07	4.07E-07	1.33E-03	4.20E-07	2.41E-08	1.39E-03	4.37E-07	3.32E-08	6.10E-07	4.16E-07
4980	496363.09, 3862877.25	4.68E-03	1.48E-06	6.27E-07	3.25E-03	1.03E-06	4.35E-07	1.51E-03	4.75E-07	2.73E-08	1.58E-03	4.97E-07	3.77E-08	6.37E-07	4.46E-07
4981	496863.09, 3862877.25	4.93E-03	1.56E-06	6.60E-07	3.52E-03	1.11E-06	4.71E-07	1.74E-03	5.48E-07	3.15E-08	1.82E-03	5.74E-07	4.36E-08	6.72E-07	4.83E-07
4982	497363.09, 3862877.25	5.09E-03	1.61E-06	6.82E-07	3.70E-03	1.17E-06	4.95E-07	1.89E-03	5.96E-07	3.43E-08	1.98E-03	6.25E-07	4.74E-08	6.95E-07	5.08E-07
4983	497863.09, 3862877.25	5.09E-03	1.61E-06	6.82E-07	3.70E-03	1.17E-06	4.95E-07	1.89E-03	5.97E-07	3.43E-08	1.98E-03	6.24E-07	4.74E-08	6.95E-07	5.08E-07
4984	498363.09, 3862877.25	5.02E-03	1.59E-06	6.73E-07	3.62E-03	1.14E-06	4.84E-07	1.82E-03	5.74E-07	3.30E-08	1.90E-03	6.00E-07	4.55E-08	6.85E-07	4.97E-07
4985	471363.09, 3863377.25	1.90E-03	6.00E-07	2.54E-07	1.02E-03	3.22E-07	1.37E-07	1.49E-04	4.70E-08	2.70E-09	1.52E-04	4.79E-08	3.64E-09	2.55E-07	1.38E-07
4986	471863.09, 3863377.25	1.93E-03	6.10E-07	2.59E-07	1.04E-03	3.28E-07	1.39E-07	1.52E-04	4.80E-08	2.76E-09	1.55E-04	4.89E-08	3.71E-09	2.60E-07	1.40E-07
4987	472363.09, 3863377.25	1.98E-03	6.24E-07	2.65E-07	1.06E-03	3.35E-07	1.42E-07	1.54E-04	4.85E-08	2.79E-09	1.57E-04	4.95E-08	3.75E-09	2.66E-07	1.43E-07
4988	472863.09, 3863377.25	2.02E-03	6.39E-07	2.71E-07	1.09E-03	3.43E-07	1.45E-07	1.57E-04	4.94E-08	2.84E-09	1.60E-04	5.05E-08	3.83E-09	2.72E-07	1.46E-07
4989	473363.09, 3863377.25	2.06E-03	6.49E-07	2.75E-07	1.10E-03	3.49E-07	1.48E-07	1.60E-04	5.04E-08	2.90E-09	1.62E-04	5.10E-08	3.87E-09	2.76E-07	1.49E-07
4990	473863.09, 3863377.25	2.10E-03	6.64E-07	2.82E-07	1.13E-03	3.56E-07	1.51E-07	1.63E-04	5.14E-08	2.96E-09	1.65E-04	5.20E-08	3.95E-09	2.83E-07	1.52E-07
4991	474363.09, 3863377.25	2.13E-03	6.73E-07	2.86E-07	1.14E-03	3.61E-07	1.53E-07	1.64E-04	5.19E-08	2.99E-09	1.68E-04	5.31E-08	4.03E-09	2.87E-07	1.54E-07
4992	474863.09, 3863377.25	2.15E-03	6.78E-07	2.88E-07	1.15E-03	3.64E-07	1.55E-07	1.68E-04	5.29E-08	3.04E-09	1.70E-04	5.36E-08	4.07E-09	2.89E-07	1.56E-07
4993	475363.09, 3863377.25	2.19E-03	6.93E-07	2.94E-07	1.18E-03	3.72E-07	1.58E-07	1.71E-04	5.39E-08	3.10E-09	1.73E-04	5.46E-08	4.14E-09	2.95E-07	1.59E-07
4994	475863.09, 3863377.25	2.23E-03	7.03E-07	2.98E-07	1.20E-03	3.77E-07	1.60E-07	1.74E-04	5.49E-08	3.16E-09	1.76E-04	5.56E-08	4.22E-09	2.99E-07	1.61E-07
4995	476363.09, 3863377.25	2.25E-03	7.09E-07	3.01E-07	1.21E-03	3.82E-07	1.62E-07	1.79E-04	5.64E-08	3.24E-09	1.80E-04	5.67E-08	4.30E-09	3.02E-07	1.63E-07
4996	476863.09, 3863377.25	2.28E-03	7.20E-07	3.05E-07	1.23E-03	3.87E-07	1.64E-07	1.82E-04	5.74E-08	3.30E-09	1.83E-04	5.77E-08	4.38E-09	3.07E-07	1.65E-07
4997	477363.09, 3863377.25	2.33E-03	7.35E-07	3.12E-07	1.25E-03	3.95E-07	1.68E-07	1.85E-04	5.83E-08	3.36E-09	1.86E-04	5.87E-08	4.46E-09	3.13E-07	1.69E-07
4998	477863.09, 3863377.25	2.40E-03	7.57E-07	3.21E-07	1.29E-03	4.06E-07	1.72E-07	1.85E-04	5.83E-08	3.36E-09	1.88E-04	5.92E-08	4.50E-09	3.23E-07	1.74E-07
4999	478363.09, 3863377.25	2.49E-03	7.85E-07	3.33E-07	1.33E-03	4.18E-07	1.77E-07	1.77E-04	5.59E-08	3.21E-09	1.83E-04	5.77E-08	4.38E-09	3.34E-07	1.79E-07
5000	478863.09, 3863377.25	2.51E-03	7.92E-07	3.36E-07	1.34E-03	4.22E-07	1.79E-07	1.82E-04	5.74E-08	3.30E-09	1.86E-04	5.87E-08	4.46E-09	3.37E-07	1.80E-07
5001	479363.09, 3863377.25	2.50E-03	7.88E-07	3.35E-07	1.34E-03	4.23E-07	1.80E-07	1.94E-04	6.13E-08	3.53E-09	1.98E-04	6.23E-08	4.73E-09	3.36E-07	1.81E-07
5002	479863.09, 3863377.25	2.46E-03	7.76E-07	3.29E-07	1.33E-03	4.19E-07	1.78E-07	2.05E-04	6.48E-08	3.73E-09	2.07E-04	6.54E-08	4.97E-09	3.30E-07	1.79E-07
5003	480363.09, 3863377.25	2.45E-03	7.74E-07	3.28E-07	1.33E-03	4.20E-07	1.78E-07	2.11E-04	6.67E-08	3.84E-09	2.12E-04	6.70E-08	5.08E-09	3.30E-07	1.79E-07
5004	480863.09, 3863377.25	2.46E-03	7.76E-07	3.29E-07	1.34E-03	4.22E-07	1.79E-07	2.16E-04	6.82E-08	3.92E-09	2.19E-04	6.90E-08	5.24E-09	3.30E-07	1.80E-07
5005	481363.09, 3863377.25	2.44E-03	7.69E-07	3.26E-07	1.33E-03	4.20E-07	1.78E-07	2.24E-04	7.07E-08	4.07E-09	2.25E-04	7.11E-08	5.40E-09	3.28E-07	1.80E-07
5006	481863.09, 3863377.25	2.47E-03	7.80E-07	3.31E-07	1.35E-03	4.27E-07	1.81E-07	2.32E-04	7.32E-08	4.21E-09	2.32E-04	7.32E-08	5.55E-09	3.32E-07	1.82E-07
5007	482363.09, 3863377.25	2.49E-03	7.86E-07	3.34E-07	1.37E-03	4.31E-07	1.83E-07	2.38E-04	7.52E-08	4.32E-09	2.38E-04	7.52E-08	5.71E-09	3.35E-07	1.84E-07
5008	482863.09, 3863377.25	2.48E-03	7.84E-07	3.33E-07	1.37E-03	4.31E-07	1.83E-07	2.43E-04	7.66E-08	4.41E-09	2.45E-04	7.73E-08	5.87E-09	3.34E-07	1.84E-07
5009	483363.09, 3863377.25	2.50E-03	7.88E-07	3.34E-07	1.38E-03	4.34E-07	1.84E-07	2.49E-04	7.86E-08	4.52E-09	2.51E-04	7.93E-08	6.02E-09	3.36E-07	1.86E-07
5010	483863.09, 3863377.25	2.47E-03	7.80E-07	3.31E-07	1.37E-03	4.31E-07	1.83E-07	2.55E-04	8.06E-08	4.64E-09	2.58E-04	8.14E-08	6.18E-09	3.32E-07	1.85E-07
5011	484363.09, 3863377.25	2.40E-03	7.57E-07	3.21E-07	1.34E-03	4.22E-07	1.79E-07	2.63E-04	8.31E-08	4.78E-09	2.68E-04	8.45E-08	6.41E-09	3.23E-07	1.81E-07
5012	484863.09, 3863377.25	2.32E-03	7.33E-07	3.11E-07	1.31E-03	4.12E-07	1.75E-07	2.73E-04	8.60E-08	4.95E-09	2.76E-04	8.71E-08	6.61E-09	3.13E-07	1.77E-07
5013	485363.09, 3863377.25	2.23E-03	7.04E-07	2.99E-07	1.27E-03	4.00E-07	1.70E-07	2.80E-04	8.85E-08	5.09E-09	2.86E-04	9.02E-08	6.84E-09	3.01E-07	1.71E-07
5014	485863.09, 3863377.25	2.17E-03	6.85E-07	2.91E-07	1.24E-03	3.92E-07	1.66E-07	2.88E-04	9.10E-08	5.23E-09	2.94E-04	9.27E-08	7.04E-09	2.93E-07	1.68E-07
5015	486363.09, 3863377.25	2.10E-03	6.62E-07	2.81E-07	1.21E-03	3.82E-07	1.62E-07	2.95E-04	9.30E-08	5.35E-09	3.02E-04	9.53E-08	7.23E-09	2.83E-07	1.64E-07
5016	486863.09, 3863377.25	2.05E-03	6.47E-07	2.75E-07	1.20E-03	3.77E-07	1.60E-07	3.05E-04	9.64E-08	5.55E-09	3.12E-04	9.84E-08	7.47E-09	2.77E-07	1.62E-07
5017	487363.09, 3863377.25	2.06E-03	6.50E-07	2.76E-07	1.21E-03	3.81E-07	1.62E-07	3.18E-04	1.00E-07	5.77E-09	3.25E-04	1.03E-07	7.78E-09	2.78E-07	1.64E-07
5018	487863.09, 3863377.25	2.12E-03	6.68E-07	2.83E-07	1.24E-03	3.93E-07	1.67E-07	3.34E-04	1.05E-07	6.06E-09	3.38E-04	1.07E-07	8.09E-09	2.85E-07	1.69E-07
5019	488363.09, 3863377.25	2.18E-03	6.87E-07	2.92E-07	1.28E-03	4.05E-07	1.72E-07	3.48E-04	1.10E-07	6.31E-09	3.51E-04	1.11E-07	8.41E-09	2.94E-07	1.74E-07
5020	488863.09, 3863377.25	2.35E-03	7.42E-07	3.15E-07	1.38E-03	4.35E-07	1.85E-07	3.63E-04	1.15E-07	6.60E-09	3.66E-04	1.15E-07	8.76E-09	3.17E-07	1.87E-07
5021	489363.09, 3863377.25	3.09E-03	9.75E-07	4.14E-07	1.75E-03	5.52E-07	2.34E-07	3.79E-04	1.20E-07	6.88E-09	3.82E-04	1.21E-07	9.15E-09	4.16E-07	2.36E-07
5022	489863.09, 3863377.25	2.98E-03	9.41E-07	3.99E-07	1.71E-03	5.39E-07	2.29E-07	3.98E-04	1.26E-07	7.22E-09	4.02E-04	1.27E-07	9.62E-09	4.02E-07	2.31E-07
5023	490363.09, 3863377.25	3.11E-03	9.82E-07	4.17E-07	1.78E-03	5.63E-07	2.39E-07	4.17E-04	1.32E-07	7.56E-09	4.24E-04	1.34E-07	1.02E-08	4.19E-07	2.41E-07
5024	490863.09, 3863377.25	3.12E-03	9.84E-07	4.18E-07	1.80E-03	5.68E-07	2.41E-07	4.34E-04	1.37E-07	7.88E-09	4.49E-04	1.42E-07	1.08E-08	4.21E-07	2.44E-07
5025	491363.09, 3863377.25	2.95E-03	9.32E-07	3.96E-07	1.73E-03	5.46E-07	2.32E-07	4.53E-04	1.43E-07	8.22E-09	4.75E-04	1.50E-07	1.14E-08	3.99E-07	2.35E-07
5026	491863.09, 3863377.25	2.83E-03	8.93E-07	3.79E-07	1.68E-03	5.32E-07	2.26E-07	4.76E-04	1.50E-07	8.64E-09	4.99E-04	1.58E-07	1.20E-08	3.82E-07	2.29E-07
5027	492363.09, 3863377.25	2.84E-03	8.96E-07	3.80E-07	1.70E-03	5.37E-07	2.28E-07	4.98E-04	1.57E-07	9.04E-09	5.17E-04	1.63E-07	1.24E-08	3.83E-07	2.31E-07
5028	492863.09, 3863377.25	2.90E-03	9.16E-07	3.89E-07	1.73E-03	5.46E-07	2.32E-07	4.90E-04	1.55E-07	8.90E-09	5.01E-04	1.58E-07	1.20E-08	3.92E-07	2.35E-07
5029	493363.09, 3863377.25	2.97E-03	9.39E-07	3.98E-07	1.75E-03	5.52E-07	2.34E-07	4.68E-04	1.48E-07	8.50E-09	4.80E-04	1.51E-07	1.15E-08	4.01E-07	2.37E-07
5030	493863.09, 3863377.25	3.03E-03	9.57E-07	4.06E-07	1.80E-03	5.67E-07	2.40E-07	4.95E-04	1.56E-07	8.99E-09	5.16E-04	1.63E-07	1.24E-08	4.09E-07	2.44E-07
5031	494363.09, 3863377.25	3.05E-03	9.63E-07	4.08E-07	1.84E-03	5.81E-07	2.46E-07	5.51E-04	1.74E-07	1.00E-08	5.76E-04	1.82E-07	1.38E-08	4.12E-07	2.50E-07
5032	494863.09, 3863377.25	3.09E-03	9.75E-07	4.14E-07	1.87E-03	5.89E-07	2.50E-07	5.62E-04	1.77E-07	1.02E-08	5.81E-04	1.83E-07	1.39E-08	4.18E-07	2.54E-07
5033	495363.09, 3863377.25	3.13E-03	9.88E-07	4.19E-07	1.88E-03	5.94E-07	2.52E-07	5.53E-04	1.75E-07	1.00E-08	5.68E-04	1.79E-07	1.36E-08	4.23E-07	2.55E-07
5034	495863.09, 3863377.25	3.21E-03	1.01E-06	4.30E-07	1.93E-03	6.08E-07	2.58E-07	5.62E-04	1.77E-07	1.02E-08	5.76E-04	1.82E-07	1.38E-08	4.33E-07	2.61E-07
5035	496363.09, 3863377.25	3.39E-03	1.07E-06	4.54E-07	2.16E-03	6.81E-07	2.89E-07	7.83E-04	2.47E-07	1.42E-08	8.11E-04	2.56E-07	1.94E-08	4.59E-07	2.94E-07
5036	496863.09, 3863377.25	3.37E-03	1.06E-06	4.51E-07	2.16E-03	6.82E-07	2.89E-07	8.08E-04	2.55E-07	1.47E-08	8.41E-04	2.65E-07	2.01E-08	4.57E-07	2.95E-07

5037	497363.09, 3863377.25	3.31E-03	1.05E-06	4.44E-07	2.13E-03	6.71E-07	2.85E-07	7.96E-04	2.51E-07	1.44E-08	8.31E-04	2.62E-07	1.99E-08	4.49E-07	2.90E-07
5038	497863.09, 3863377.25	3.25E-03	1.03E-06	4.36E-07	2.08E-03	6.57E-07	2.79E-07	7.71E-04	2.43E-07	1.40E-08	8.06E-04	2.54E-07	1.93E-08	4.41E-07	2.84E-07
5039	498363.09, 3863377.25	3.23E-03	1.02E-06	4.33E-07	2.07E-03	6.52E-07	2.77E-07	7.64E-04	2.41E-07	1.39E-08	8.00E-04	2.52E-07	1.92E-08	4.38E-07	2.82E-07
5040	471363.09, 3863877.25	1.81E-03	5.72E-07	2.43E-07	9.76E-04	3.08E-07	1.31E-07	1.44E-04	4.55E-08	2.62E-09	1.47E-04	4.64E-08	3.52E-09	2.44E-07	1.32E-07
5041	471863.09, 3863877.25	1.86E-03	5.87E-07	2.49E-07	1.00E-03	3.16E-07	1.34E-07	1.47E-04	4.65E-08	2.67E-09	1.50E-04	4.74E-08	3.60E-09	2.50E-07	1.35E-07
5042	472363.09, 3863877.25	1.89E-03	5.96E-07	2.53E-07	1.02E-03	3.21E-07	1.36E-07	1.49E-04	4.70E-08	2.70E-09	1.52E-04	4.79E-08	3.64E-09	2.54E-07	1.37E-07
5043	472863.09, 3863877.25	1.92E-03	6.06E-07	2.57E-07	1.03E-03	3.26E-07	1.38E-07	1.52E-04	4.80E-08	2.76E-09	1.55E-04	4.89E-08	3.71E-09	2.58E-07	1.39E-07
5044	473363.09, 3863877.25	1.94E-03	6.12E-07	2.60E-07	1.04E-03	3.29E-07	1.40E-07	1.55E-04	4.89E-08	2.82E-09	1.57E-04	4.95E-08	3.75E-09	2.61E-07	1.41E-07
5045	473863.09, 3863877.25	1.98E-03	6.26E-07	2.66E-07	1.07E-03	3.37E-07	1.43E-07	1.58E-04	4.99E-08	2.87E-09	1.60E-04	5.05E-08	3.83E-09	2.67E-07	1.44E-07
5046	474363.09, 3863877.25	2.00E-03	6.31E-07	2.68E-07	1.08E-03	3.40E-07	1.44E-07	1.60E-04	5.04E-08	2.90E-09	1.62E-04	5.10E-08	3.87E-09	2.69E-07	1.45E-07
5047	474863.09, 3863877.25	2.00E-03	6.32E-07	2.68E-07	1.08E-03	3.41E-07	1.45E-07	1.63E-04	5.14E-08	2.96E-09	1.65E-04	5.20E-08	3.95E-09	2.69E-07	1.46E-07
5048	475363.09, 3863877.25	2.04E-03	6.43E-07	2.73E-07	1.10E-03	3.47E-07	1.47E-07	1.66E-04	5.24E-08	3.01E-09	1.68E-04	5.31E-08	4.03E-09	2.74E-07	1.48E-07
5049	475863.09, 3863877.25	2.04E-03	6.44E-07	2.73E-07	1.10E-03	3.48E-07	1.48E-07	1.69E-04	5.34E-08	3.07E-09	1.71E-04	5.41E-08	4.11E-09	2.74E-07	1.49E-07
5050	476363.09, 3863877.25	2.08E-03	6.55E-07	2.78E-07	1.12E-03	3.54E-07	1.50E-07	1.72E-04	5.44E-08	3.13E-09	1.75E-04	5.51E-08	4.18E-09	2.79E-07	1.51E-07
5051	476863.09, 3863877.25	2.08E-03	6.57E-07	2.79E-07	1.13E-03	3.56E-07	1.51E-07	1.75E-04	5.54E-08	3.18E-09	1.78E-04	5.62E-08	4.26E-09	2.80E-07	1.52E-07
5052	477363.09, 3863877.25	2.13E-03	6.72E-07	2.85E-07	1.15E-03	3.63E-07	1.54E-07	1.79E-04	5.64E-08	3.24E-09	1.80E-04	5.67E-08	4.30E-09	2.86E-07	1.55E-07
5053	477863.09, 3863877.25	2.19E-03	6.90E-07	2.93E-07	1.18E-03	3.73E-07	1.58E-07	1.80E-04	5.69E-08	3.27E-09	1.83E-04	5.77E-08	4.38E-09	2.94E-07	1.59E-07
5054	478363.09, 3863877.25	2.26E-03	7.14E-07	3.03E-07	1.21E-03	3.83E-07	1.63E-07	1.75E-04	5.54E-08	3.18E-09	1.81E-04	5.72E-08	4.34E-09	3.04E-07	1.64E-07
5055	478863.09, 3863877.25	2.25E-03	7.10E-07	3.01E-07	1.22E-03	3.84E-07	1.63E-07	1.86E-04	5.88E-08	3.38E-09	1.89E-04	5.98E-08	4.54E-09	3.03E-07	1.64E-07
5056	479363.09, 3863877.25	2.25E-03	7.09E-07	3.01E-07	1.22E-03	3.84E-07	1.63E-07	1.93E-04	6.08E-08	3.50E-09	1.94E-04	6.13E-08	4.65E-09	3.02E-07	1.64E-07
5057	479863.09, 3863877.25	2.24E-03	7.07E-07	3.00E-07	1.22E-03	3.85E-07	1.63E-07	1.99E-04	6.28E-08	3.61E-09	2.01E-04	6.34E-08	4.81E-09	3.01E-07	1.64E-07
5058	480363.09, 3863877.25	2.23E-03	7.04E-07	2.99E-07	1.22E-03	3.84E-07	1.63E-07	2.04E-04	6.43E-08	3.70E-09	2.04E-04	6.44E-08	4.89E-09	3.00E-07	1.64E-07
5059	480863.09, 3863877.25	2.19E-03	6.92E-07	2.94E-07	1.20E-03	3.80E-07	1.61E-07	2.08E-04	6.58E-08	3.78E-09	2.11E-04	6.65E-08	5.04E-09	2.95E-07	1.62E-07
5060	481363.09, 3863877.25	2.17E-03	6.85E-07	2.91E-07	1.20E-03	3.77E-07	1.60E-07	2.15E-04	6.77E-08	3.90E-09	2.15E-04	6.80E-08	5.16E-09	2.92E-07	1.61E-07
5061	481863.09, 3863877.25	2.19E-03	6.92E-07	2.93E-07	1.21E-03	3.82E-07	1.62E-07	2.21E-04	6.97E-08	4.01E-09	2.22E-04	7.01E-08	5.32E-09	2.95E-07	1.63E-07
5062	482363.09, 3863877.25	2.21E-03	6.98E-07	2.96E-07	1.22E-03	3.86E-07	1.64E-07	2.26E-04	7.12E-08	4.09E-09	2.27E-04	7.16E-08	5.44E-09	2.97E-07	1.65E-07
5063	482863.09, 3863877.25	2.21E-03	6.96E-07	2.95E-07	1.22E-03	3.86E-07	1.64E-07	2.30E-04	7.27E-08	4.18E-09	2.32E-04	7.32E-08	5.55E-09	2.97E-07	1.65E-07
5064	483363.09, 3863877.25	2.20E-03	6.96E-07	2.95E-07	1.22E-03	3.86E-07	1.64E-07	2.35E-04	7.42E-08	4.27E-09	2.38E-04	7.52E-08	5.71E-09	2.97E-07	1.65E-07
5065	483863.09, 3863877.25	2.16E-03	6.81E-07	2.89E-07	1.21E-03	3.80E-07	1.61E-07	2.40E-04	7.56E-08	4.35E-09	2.43E-04	7.68E-08	5.83E-09	2.91E-07	1.63E-07
5066	484363.09, 3863877.25	2.05E-03	6.48E-07	2.75E-07	1.16E-03	3.66E-07	1.55E-07	2.46E-04	7.76E-08	4.46E-09	2.50E-04	7.88E-08	5.98E-09	2.77E-07	1.57E-07
5067	484863.09, 3863877.25	1.97E-03	6.23E-07	2.64E-07	1.12E-03	3.55E-07	1.50E-07	2.52E-04	7.96E-08	4.58E-09	2.58E-04	8.14E-08	6.18E-09	2.66E-07	1.52E-07
5068	485363.09, 3863877.25	1.92E-03	6.07E-07	2.58E-07	1.10E-03	3.48E-07	1.48E-07	2.58E-04	8.16E-08	4.69E-09	2.64E-04	8.35E-08	6.33E-09	2.59E-07	1.49E-07
5069	485863.09, 3863877.25	1.89E-03	5.97E-07	2.53E-07	1.09E-03	3.44E-07	1.46E-07	2.65E-04	8.36E-08	4.81E-09	2.71E-04	8.55E-08	6.49E-09	2.55E-07	1.48E-07
5070	486363.09, 3863877.25	1.80E-03	5.69E-07	2.41E-07	1.05E-03	3.32E-07	1.41E-07	2.71E-04	8.55E-08	4.92E-09	2.77E-04	8.76E-08	6.65E-09	2.43E-07	1.43E-07
5071	486863.09, 3863877.25	1.73E-03	5.45E-07	2.31E-07	1.02E-03	3.22E-07	1.37E-07	2.79E-04	8.80E-08	5.06E-09	2.86E-04	9.02E-08	6.84E-09	2.33E-07	1.38E-07
5072	487363.09, 3863877.25	1.71E-03	5.41E-07	2.30E-07	1.02E-03	3.22E-07	1.37E-07	2.88E-04	9.10E-08	5.23E-09	2.95E-04	9.32E-08	7.08E-09	2.31E-07	1.38E-07
5073	487863.09, 3863877.25	1.79E-03	5.66E-07	2.40E-07	1.07E-03	3.37E-07	1.43E-07	3.01E-04	9.49E-08	5.46E-09	3.07E-04	9.69E-08	7.35E-09	2.42E-07	1.45E-07
5074	488363.09, 3863877.25	1.85E-03	5.83E-07	2.47E-07	1.10E-03	3.47E-07	1.47E-07	3.13E-04	9.89E-08	5.69E-09	3.18E-04	1.00E-07	7.62E-09	2.49E-07	1.49E-07
5075	488863.09, 3863877.25	1.95E-03	6.15E-07	2.61E-07	1.16E-03	3.66E-07	1.55E-07	3.26E-04	1.03E-07	5.91E-09	3.30E-04	1.04E-07	7.90E-09	2.63E-07	1.57E-07
5076	489363.09, 3863877.25	2.13E-03	6.72E-07	2.85E-07	1.26E-03	3.96E-07	1.68E-07	3.40E-04	1.07E-07	6.17E-09	3.43E-04	1.08E-07	8.21E-09	2.87E-07	1.70E-07
5077	489863.09, 3863877.25	2.42E-03	7.62E-07	3.23E-07	1.40E-03	4.43E-07	1.88E-07	3.52E-04	1.11E-07	6.40E-09	3.56E-04	1.12E-07	8.52E-09	3.26E-07	1.90E-07
5078	490363.09, 3863877.25	2.65E-03	8.36E-07	3.55E-07	1.52E-03	4.81E-07	2.04E-07	3.65E-04	1.15E-07	6.63E-09	3.71E-04	1.17E-07	8.88E-09	3.57E-07	2.06E-07
5079	490863.09, 3863877.25	2.77E-03	8.73E-07	3.70E-07	1.59E-03	5.02E-07	2.13E-07	3.76E-04	1.19E-07	6.82E-09	3.85E-04	1.22E-07	9.23E-09	3.73E-07	2.15E-07
5080	491363.09, 3863877.25	2.68E-03	8.46E-07	3.59E-07	1.55E-03	4.90E-07	2.08E-07	3.85E-04	1.22E-07	7.00E-09	4.00E-04	1.26E-07	9.58E-09	3.62E-07	2.11E-07
5081	491863.09, 3863877.25	2.54E-03	8.03E-07	3.41E-07	1.48E-03	4.69E-07	1.99E-07	3.81E-04	1.20E-07	6.91E-09	4.00E-04	1.26E-07	9.58E-09	3.43E-07	2.01E-07
5082	492363.09, 3863877.25	2.46E-03	7.77E-07	3.29E-07	1.42E-03	4.47E-07	1.89E-07	3.37E-04	1.06E-07	6.11E-09	3.57E-04	1.13E-07	8.56E-09	3.32E-07	1.92E-07
5083	492863.09, 3863877.25	2.42E-03	7.65E-07	3.25E-07	1.37E-03	4.34E-07	1.84E-07	3.01E-04	9.49E-08	5.46E-09	3.17E-04	9.99E-08	7.59E-09	3.27E-07	1.86E-07
5084	493363.09, 3863877.25	2.48E-03	7.82E-07	3.32E-07	1.41E-03	4.45E-07	1.89E-07	3.16E-04	9.99E-08	5.74E-09	3.20E-04	1.01E-07	7.66E-09	3.34E-07	1.91E-07
5085	493863.09, 3863877.25	2.53E-03	7.98E-07	3.39E-07	1.45E-03	4.58E-07	1.94E-07	3.41E-04	1.08E-07	6.20E-09	3.44E-04	1.09E-07	8.25E-09	3.41E-07	1.96E-07
5086	494363.09, 3863877.25	2.56E-03	8.08E-07	3.43E-07	1.48E-03	4.68E-07	1.98E-07	3.67E-04	1.16E-07	6.65E-09	3.82E-04	1.21E-07	9.15E-09	3.45E-07	2.01E-07
5087	494863.09, 3863877.25	2.56E-03	8.07E-07	3.43E-07	1.49E-03	4.69E-07	1.99E-07	3.74E-04	1.18E-07	6.80E-09	3.95E-04	1.25E-07	9.46E-09	3.45E-07	2.02E-07
5088	495363.09, 3863877.25	2.58E-03	8.13E-07	3.45E-07	1.50E-03	4.75E-07	2.02E-07	3.88E-04	1.23E-07	7.05E-09	4.03E-04	1.27E-07	9.66E-09	3.48E-07	2.04E-07
5089	495863.09, 3863877.25	2.61E-03	8.23E-07	3.49E-07	1.52E-03	4.81E-07	2.04E-07	3.93E-04	1.24E-07	7.14E-09	4.02E-04	1.27E-07	9.62E-09	3.52E-07	2.06E-07
5090	496363.09, 3863877.25	2.66E-03	8.38E-07	3.56E-07	1.58E-03	4.99E-07	2.12E-07	4.45E-04	1.40E-07	8.08E-09	4.55E-04	1.44E-07	1.09E-08	3.59E-07	2.14E-07
5091	496863.09, 3863877.25	2.71E-03	8.57E-07	3.63E-07	1.64E-03	5.19E-07	2.20E-07	5.01E-04	1.58E-07	9.10E-09	5.16E-04	1.63E-07	1.24E-08	3.67E-07	2.23E-07
5092	497363.09, 3863877.25	2.72E-03	8.58E-07	3.64E-07	1.66E-03	5.23E-07	2.22E-07	5.15E-04	1.63E-07	9.36E-09	5.32E-04	1.68E-07	1.27E-08	3.67E-07	2.25E-07
5093	497863.09, 3863877.25	2.68E-03	8.46E-07	3.59E-07	1.63E-03	5.15E-07	2.19E-07	5.06E-04	1.60E-07	9.18E-09	5.26E-04	1.66E-07	1.26E-08	3.62E-07	2.22E-07
5094	498363.09, 3863877.25	2.61E-03	8.23E-07	3.49E-07	1.59E-03	5.00E-07	2.12E-07	4.90E-04	1.55E-07	8.90E-09	5.11E-04	1.61E-07	1.22E-08	3.52E-07	2.16E-07
5095	471363.09, 3864377.25	1.74E-03	5.49E-07	2.33E-07	9.38E-04	2.96E-07	1.26E-07	1.41E-04	4.45E-08	2.56E-09	1.44E-04	4.53E-08	3.44E-09	2.34E-07	1.27E-07
5096	471863.09, 3864377.25	1.77E-03	5.59E-07	2.37E-07	9.54E-04	3.01E-07	1.28E-07	1.43E-04	4.50E-08	2.59E-09	1.45E-04	4.59E-08	3.48E-09	2.38E-07	1.29E-07
5097	472363.09, 3864377.25	1.80E-03	5.69E-07	2.41E-07	9.71E-04	3.06E-07	1.30E-07	1.46E-04	4.60E-08	2.64E-09	1.49E-04	4.69E-08	3.56E-09	2.42E-07	1.31E-07
5098	472863.09, 3864377.25	1.82E-03	5.74E-07	2.44E-07	9.81E-04	3.10E-07	1.31E-07	1.49E-04	4.70E-08	2.70E-09	1.50E-04	4.74E-08	3.60E-09	2.44E-07	1.32E-07
5099	473363.09, 3864377.25	1.83E-03	5.79E-07	2.46E-07	9.90E-04	3.12E-07	1.33E-07	1.50E-04	4.75E-08	2.73E-09	1.53E-04	4.84E-08	3.68E-09	2.47E-07	1.33E-07
5100	473863.09, 3864377.25	1.85E-03	5.84E-07	2.48E-07	1.00E-03	3.16E-07	1.34E-07	1.54E-04	4.85E-08	2.79E-09	1.55E-04	4.89E-08	3.71E-09	2.49E-07	1.35E-07
5101	474363.09, 3864377.25	1.85E-03	5.85E-07	2.48E-07	1.00E-03	3.17E-07	1.34E-07	1.55E-04	4.89E-08	2.82E-09	1.58E-04	5.00E-08	3.79E-09	2.49E-07	1.35E-07
5102	474863.09, 3864377.25	1.86E-03	5.87E-07	2.49E-07	1.01E-03	3.18E-07	1.35E-07	1.58E-04	4.99E-08	2.87E-09	1.60E-04	5.05E-08	3.83E-09	2.50E-07	1.36E-07
5103	475363.09, 3864377.25	1.88E-03	5.93E-07	2.51E-07	1.02E-03	3.21E-07	1.36E-07	1.60E-04	5.04E-08	2.90E-09	1.63E-04	5.15E-08	3.91E-09	2.52E-07	1.37E-07
5104	475863.09, 3864377.25	1.88E-03	5.94E-07	2.52E-07	1.02E-03	3.22E-07	1.37E-07	1.63E-04	5.14E-08	2.96E-09	1.66E-04	5.25E-08	3.99E-09	2.53E-07	1.38E-07
5105	476363.09, 3864377.25	1.90E-03	6.01E-07	2.55E-07	1.03E-03	3.26E-07	1.38E-07	1.66E-04	5.24E-08	3.01E-09	1.68E-04	5.31E-08	4.03E-09	2.56E-07	1.39E-07
5106	476863.09, 3864377.25	1.94E-03	6.11E-07	2.59E-07	1.05E-03	3.32E-07	1.41E-07	1.69E-04	5.34E-08	3.07E-09	1.71E-04	5.41E-08	4.11E-09	2.60E-07	1.42E-07
5107	477363.09, 3864377.25	1.96E-03	6.17E-07	2.62E-07	1.06E-03	3.36E-07	1.43E-07	1.74E-04	5.49E-08	3.16E-09	1.75E-04	5.51E-08	4.18E-09	2.63E-07	1.44E-07
5108	477863.09, 3864377.25	1.99E-03	6.27E-07	2.66E-07	1.08E-03	3.41E-07	1.45E-07	1.77E-04	5.59E-08	3.21E-09	1.78E-04	5.62E-08	4.26E-09	2.67E-07	1.46E-07
5109	478363.09, 3864377.25	2.02E-03	6.37E-07	2.70E-07	1.10E-03	3.46E-07	1.47E-07	1.79E-04	5.64E-08	3.24E-09	1.81E-04	5.72E-08	4.34E-09	2.71E-07	1.48E-07
5110	478863.09, 3864377.25	2.04E-03	6.43E-07	2.73E-07	1.11E-03	3.50E-07	1.48E-07	1.82E-04	5.74E-08	3.30E-09	1.84E-04	5.82E-08	4.42E-09	2.74E-07	1.50E-07
5111	479363.09, 3864377.25	2.04E-03	6.44E-07	2.73E-07	1.11E-03	3.51E-07	1.49E-07	1.85E-04	5.83E-08	3.36E-09	1.88E-04	5.92E-08	4.50E-09	2.74E-07	1.50E-07
5112	479863.09, 3864377.25	2.03E-03	6.41E-07	2.72E-07	1.11E-03	3.51E-07	1.49E-07	1.90E-04	5.98E-08	3.44E-09	1.91E-04	6.03E-08	4.57E-09	2.73E-07	1.50E-07
5113	480363.09, 3864377.25	2.01E-03	6.33E-07	2.69E-07	1.10E-03	3.47E-07	1.47E-07	1.93E-04	6.08E-08	3.50E-09	1.94E-04	6.13E-08	4.65E-09	2.70E-07	1.49E-07
5114	480863.09, 3864377.25	1.95E-03	6.16E-07	2.61E-07	1.08E-03	3.40E-07	1.44E-07	1.96E-04	6.18E-08	3.55E-09	1.99E-04	6.29E-08	4.77E-09	2.63E-07	1.45E-07
5115	481363.09, 3864377.25	1.93E-03	6.10E-07	2.59E-07	1.07E-03	3.38E-07	1.43E-07	2.02E-04	6.38E-08	3.67E-09	2.04E-04	6.44E-08	4.89E-09	2.60E-07	1.45E-07
5116	481863.09, 3864377.25	1.95E-03	6.16E-07	2.61E-07	1.08E-03	3.42E-07	1.45E-07	2.08E-04	6.58E-08	3.78E-09	2.09E-04	6.59E-08	5.01E-09	2.63E-07	1.47E-07
5117	482363.09, 3864377.25	1.96E-03	6.18E-07	2.62E-07	1.09E-03	3.44E-07	1.46E-07	2.11E-04	6.67E-08	3.84E-09	2.14E-04	6.75E-08	5.12E-09	2.64E-07	1.47E-07
5118	482863.09, 3864377.25	1.95E-03	6.16E-07	2.62E-07	1.09E-03	3.44E-07	1.46E-07	2.15E-04	6.77E-08	3.90E-09	2.19E-04	6.90E-08	5.24E-09	2.63E-07	1.47E-07
5119	483363.09, 3864377.25	1.94E-03	6.11E-07	2.59E-07	1.08E-03	3.42E-07	1.45E-07	2.19E-04	6.92E-08	3.98E-09	2.24E-04	7.06E-08	5.36E-09	2.61E-07	1.47E-07
5120	483863.09, 3864377.25	1.87E-03	5.91E-07	2.51E-07	1.06E-03	3.33E-07	1.41E-07	2.24E-04	7.07E-08	4.07E-09	2.29E-04	7.21E-08	5.47E-09	2.52E-07	1.43E-07
5121	484363.09, 3864377.25	1.78E-03	5.61E-07	2.38E-07	1.01E-03	3.20E-07	1.36E-07	2.29E-04	7.22E-08	4.15E-09	2.33E-04	7.37E-08	5.59E-09	2.40E-07	1.37E-07
5122	484863.09, 3864377.25	1.71E-03	5.41E-07	2.29E-07	9.86E-04	3.11E-07	1.32E-07	2.35E-04	7.42E-08	4.27E-09	2.40E-04	7.57E-08	5.75E-09	2.31E-07	1.33E-07
5123	485363.09, 3864377.25	1.69E-03	5.34E-07	2.27E-07	9.80E-04	3.09E-07	1.31E-07	2.41E-04	7.61E-08	4.38E-09	2.46E-04	7.78E-08	5.90E-09	2.28E-07	1.33E-07
5124	485863.09, 3864377.25	1.65E-03	5.19E-07	2.20E-07	9.61E-04	3.03E-07	1.29E-07	2.48E-04	7.81E-08	4.49E-09	2.53E-04	7.99E-08	6.06E-09	2.22E-07	1.30E-07
5125	486363.09, 3864377.25	1.57E-03	4.96E-07	2.10E-07	9.27E-04	2.93E-07	1.24E-07	2.52E-04	7.96E-08	4.58E-09	2.60E-04	8.19E-08	6.22E-09	2.12E-07	1.26E-07
5126	486863.09, 3864377.25	1.49E-03	4.71E-07	2.00E-07	8.93E-04	2.82E-07	1.20E-07	2.58E-04	8.16E-08	4.69E-09	2.66E-04	8.40E-08	6.37E-09	2.01E-07	1.21E-07

5127	487363.09, 3864377.25	1.48E-03	4.66E-07	1.98E-07	8.90E-04	2.81E-07	1.19E-07	2.66E-04	8.41E-08	4.83E-09	2.73E-04	8.60E-08	6.53E-09	1.99E-07	1.21E-07
5128	487863.09, 3864377.25	1.53E-03	4.84E-07	2.05E-07	9.23E-04	2.91E-07	1.24E-07	2.74E-04	8.65E-08	4.98E-09	2.81E-04	8.86E-08	6.73E-09	2.07E-07	1.25E-07
5129	488363.09, 3864377.25	1.60E-03	5.04E-07	2.14E-07	9.60E-04	3.03E-07	1.29E-07	2.84E-04	8.95E-08	5.15E-09	2.87E-04	9.07E-08	6.88E-09	2.15E-07	1.30E-07
5130	488863.09, 3864377.25	1.67E-03	5.28E-07	2.24E-07	1.00E-03	3.16E-07	1.34E-07	2.91E-04	9.20E-08	5.29E-09	2.95E-04	9.32E-08	7.08E-09	2.26E-07	1.36E-07
5131	489363.09, 3864377.25	1.78E-03	5.61E-07	2.38E-07	1.06E-03	3.34E-07	1.42E-07	2.99E-04	9.44E-08	5.43E-09	3.02E-04	9.53E-08	7.23E-09	2.40E-07	1.44E-07
5132	489863.09, 3864377.25	2.01E-03	6.33E-07	2.69E-07	1.17E-03	3.71E-07	1.57E-07	3.07E-04	9.69E-08	5.57E-09	3.10E-04	9.79E-08	7.43E-09	2.70E-07	1.59E-07
5133	490363.09, 3864377.25	2.25E-03	7.09E-07	3.01E-07	1.30E-03	4.10E-07	1.74E-07	3.16E-04	9.99E-08	5.74E-09	3.18E-04	1.00E-07	7.62E-09	3.03E-07	1.76E-07
5134	490863.09, 3864377.25	2.44E-03	7.69E-07	3.26E-07	1.39E-03	4.40E-07	1.87E-07	3.23E-04	1.02E-07	5.86E-09	3.28E-04	1.04E-07	7.86E-09	3.28E-07	1.89E-07
5135	491363.09, 3864377.25	2.54E-03	8.01E-07	3.40E-07	1.43E-03	4.53E-07	1.92E-07	3.07E-04	9.69E-08	5.57E-09	3.15E-04	9.94E-08	7.55E-09	3.42E-07	1.94E-07
5136	491863.09, 3864377.25	2.25E-03	7.09E-07	3.01E-07	1.21E-03	3.81E-07	1.62E-07	1.79E-04	5.64E-08	3.24E-09	1.98E-04	6.23E-08	4.73E-09	3.02E-07	1.63E-07
5137	492363.09, 3864377.25	2.27E-03	7.16E-07	3.04E-07	1.25E-03	3.94E-07	1.67E-07	2.26E-04	7.12E-08	4.09E-09	2.46E-04	7.78E-08	5.90E-09	3.05E-07	1.69E-07
5138	492863.09, 3864377.25	2.00E-03	6.31E-07	2.68E-07	1.09E-03	3.45E-07	1.46E-07	1.85E-04	5.83E-08	3.36E-09	2.06E-04	6.49E-08	4.93E-09	2.69E-07	1.48E-07
5139	493363.09, 3864377.25	2.11E-03	6.67E-07	2.83E-07	1.17E-03	3.68E-07	1.56E-07	2.16E-04	6.82E-08	3.92E-09	2.27E-04	7.16E-08	5.44E-09	2.84E-07	1.58E-07
5140	493863.09, 3864377.25	2.15E-03	6.80E-07	2.88E-07	1.21E-03	3.83E-07	1.62E-07	2.54E-04	8.01E-08	4.61E-09	2.53E-04	7.99E-08	6.06E-09	2.90E-07	1.64E-07
5141	494363.09, 3864377.25	2.20E-03	6.93E-07	2.94E-07	1.25E-03	3.94E-07	1.67E-07	2.79E-04	8.80E-08	5.06E-09	2.81E-04	8.86E-08	6.73E-09	2.96E-07	1.69E-07
5142	494863.09, 3864377.25	2.21E-03	6.96E-07	2.95E-07	1.27E-03	3.99E-07	1.69E-07	2.98E-04	9.39E-08	5.40E-09	3.10E-04	9.79E-08	7.43E-09	2.97E-07	1.71E-07
5143	495363.09, 3864377.25	2.21E-03	6.97E-07	2.96E-07	1.27E-03	4.00E-07	1.70E-07	2.98E-04	9.39E-08	5.40E-09	3.15E-04	9.94E-08	7.55E-09	2.98E-07	1.72E-07
5144	495863.09, 3864377.25	2.21E-03	6.99E-07	2.96E-07	1.27E-03	4.01E-07	1.70E-07	3.01E-04	9.49E-08	5.46E-09	3.13E-04	9.89E-08	7.51E-09	2.98E-07	1.72E-07
5145	496363.09, 3864377.25	2.23E-03	7.05E-07	2.99E-07	1.29E-03	4.08E-07	1.73E-07	3.18E-04	1.00E-07	5.77E-09	3.26E-04	1.03E-07	7.82E-09	3.01E-07	1.75E-07
5146	496863.09, 3864377.25	2.26E-03	7.12E-07	3.02E-07	1.31E-03	4.13E-07	1.75E-07	3.27E-04	1.03E-07	5.94E-09	3.35E-04	1.06E-07	8.02E-09	3.04E-07	1.77E-07
5147	497363.09, 3864377.25	2.29E-03	7.24E-07	3.07E-07	1.35E-03	4.25E-07	1.80E-07	3.57E-04	1.13E-07	6.48E-09	3.64E-04	1.15E-07	8.72E-09	3.09E-07	1.83E-07
5148	497863.09, 3864377.25	2.33E-03	7.35E-07	3.12E-07	1.37E-03	4.31E-07	1.83E-07	3.62E-04	1.14E-07	6.57E-09	3.71E-04	1.17E-07	8.88E-09	3.14E-07	1.85E-07
5149	498363.09, 3864377.25	2.31E-03	7.30E-07	3.10E-07	1.37E-03	4.33E-07	1.84E-07	3.82E-04	1.21E-07	6.94E-09	3.93E-04	1.24E-07	9.42E-09	3.12E-07	1.86E-07
5150	471363.09, 3864877.25	1.65E-03	5.21E-07	2.21E-07	8.91E-04	2.81E-07	1.19E-07	1.36E-04	4.30E-08	2.47E-09	1.40E-04	4.43E-08	3.36E-09	2.22E-07	1.20E-07
5151	471863.09, 3864877.25	1.68E-03	5.31E-07	2.25E-07	9.08E-04	2.87E-07	1.22E-07	1.39E-04	4.40E-08	2.53E-09	1.42E-04	4.48E-08	3.40E-09	2.26E-07	1.23E-07
5152	472363.09, 3864877.25	1.70E-03	5.35E-07	2.27E-07	9.17E-04	2.89E-07	1.23E-07	1.41E-04	4.45E-08	2.56E-09	1.44E-04	4.53E-08	3.44E-09	2.28E-07	1.24E-07
5153	472863.09, 3864877.25	1.71E-03	5.41E-07	2.30E-07	9.27E-04	2.93E-07	1.24E-07	1.44E-04	4.55E-08	2.62E-09	1.47E-04	4.64E-08	3.52E-09	2.30E-07	1.25E-07
5154	473363.09, 3864877.25	1.72E-03	5.42E-07	2.30E-07	9.30E-04	2.93E-07	1.24E-07	1.46E-04	4.60E-08	2.64E-09	1.49E-04	4.69E-08	3.56E-09	2.31E-07	1.25E-07
5155	473863.09, 3864877.25	1.72E-03	5.43E-07	2.31E-07	9.34E-04	2.95E-07	1.25E-07	1.49E-04	4.70E-08	2.70E-09	1.50E-04	4.74E-08	3.60E-09	2.31E-07	1.26E-07
5156	474363.09, 3864877.25	1.73E-03	5.45E-07	2.31E-07	9.37E-04	2.96E-07	1.25E-07	1.50E-04	4.75E-08	2.73E-09	1.52E-04	4.79E-08	3.64E-09	2.32E-07	1.26E-07
5157	474863.09, 3864877.25	1.73E-03	5.46E-07	2.32E-07	9.40E-04	2.97E-07	1.26E-07	1.52E-04	4.80E-08	2.76E-09	1.55E-04	4.89E-08	3.71E-09	2.32E-07	1.27E-07
5158	475363.09, 3864877.25	1.73E-03	5.47E-07	2.32E-07	9.44E-04	2.98E-07	1.26E-07	1.55E-04	4.89E-08	2.82E-09	1.57E-04	4.95E-08	3.75E-09	2.33E-07	1.27E-07
5159	475863.09, 3864877.25	1.74E-03	5.49E-07	2.33E-07	9.49E-04	3.00E-07	1.27E-07	1.58E-04	4.99E-08	2.87E-09	1.60E-04	5.05E-08	3.83E-09	2.34E-07	1.28E-07
5160	476363.09, 3864877.25	1.77E-03	5.59E-07	2.37E-07	9.67E-04	3.05E-07	1.29E-07	1.61E-04	5.09E-08	2.93E-09	1.62E-04	5.10E-08	3.87E-09	2.38E-07	1.30E-07
5161	476863.09, 3864877.25	1.80E-03	5.69E-07	2.41E-07	9.82E-04	3.10E-07	1.32E-07	1.63E-04	5.14E-08	2.96E-09	1.65E-04	5.20E-08	3.95E-09	2.42E-07	1.33E-07
5162	477363.09, 3864877.25	1.83E-03	5.79E-07	2.46E-07	1.00E-03	3.15E-07	1.34E-07	1.66E-04	5.24E-08	3.01E-09	1.68E-04	5.31E-08	4.03E-09	2.47E-07	1.35E-07
5163	477863.09, 3864877.25	1.85E-03	5.84E-07	2.48E-07	1.01E-03	3.19E-07	1.35E-07	1.69E-04	5.34E-08	3.07E-09	1.70E-04	5.36E-08	4.07E-09	2.49E-07	1.36E-07
5164	478363.09, 3864877.25	1.85E-03	5.85E-07	2.48E-07	1.01E-03	3.20E-07	1.36E-07	1.71E-04	5.39E-08	3.10E-09	1.73E-04	5.46E-08	4.14E-09	2.49E-07	1.37E-07
5165	478863.09, 3864877.25	1.86E-03	5.87E-07	2.49E-07	1.02E-03	3.21E-07	1.36E-07	1.74E-04	5.49E-08	3.16E-09	1.76E-04	5.56E-08	4.22E-09	2.50E-07	1.37E-07
5166	479363.09, 3864877.25	1.85E-03	5.83E-07	2.47E-07	1.01E-03	3.20E-07	1.36E-07	1.77E-04	5.59E-08	3.21E-09	1.80E-04	5.67E-08	4.30E-09	2.48E-07	1.37E-07
5167	479863.09, 3864877.25	1.82E-03	5.75E-07	2.44E-07	1.00E-03	3.17E-07	1.34E-07	1.80E-04	5.69E-08	3.27E-09	1.83E-04	5.77E-08	4.38E-09	2.45E-07	1.35E-07
5168	480363.09, 3864877.25	1.80E-03	5.67E-07	2.41E-07	9.93E-04	3.13E-07	1.33E-07	1.83E-04	5.78E-08	3.33E-09	1.86E-04	5.87E-08	4.46E-09	2.42E-07	1.34E-07
5169	480863.09, 3864877.25	1.74E-03	5.50E-07	2.34E-07	9.69E-04	3.06E-07	1.30E-07	1.86E-04	5.88E-08	3.38E-09	1.89E-04	5.98E-08	4.54E-09	2.35E-07	1.31E-07
5170	481363.09, 3864877.25	1.74E-03	5.48E-07	2.33E-07	9.70E-04	3.06E-07	1.30E-07	1.93E-04	6.08E-08	3.50E-09	1.94E-04	6.13E-08	4.65E-09	2.34E-07	1.31E-07
5171	481863.09, 3864877.25	1.74E-03	5.51E-07	2.34E-07	9.77E-04	3.08E-07	1.31E-07	1.97E-04	6.23E-08	3.58E-09	1.99E-04	6.29E-08	4.77E-09	2.35E-07	1.32E-07
5172	482363.09, 3864877.25	1.75E-03	5.53E-07	2.35E-07	9.82E-04	3.10E-07	1.32E-07	2.01E-04	6.33E-08	3.64E-09	2.02E-04	6.39E-08	4.85E-09	2.36E-07	1.33E-07
5173	482863.09, 3864877.25	1.75E-03	5.51E-07	2.34E-07	9.81E-04	3.10E-07	1.31E-07	2.04E-04	6.43E-08	3.70E-09	2.07E-04	6.54E-08	4.97E-09	2.35E-07	1.33E-07
5174	483363.09, 3864877.25	1.71E-03	5.41E-07	2.29E-07	9.68E-04	3.06E-07	1.30E-07	2.08E-04	6.58E-08	3.78E-09	2.11E-04	6.65E-08	5.04E-09	2.31E-07	1.31E-07
5175	483863.09, 3864877.25	1.65E-03	5.19E-07	2.20E-07	9.37E-04	2.96E-07	1.26E-07	2.11E-04	6.67E-08	3.84E-09	2.15E-04	6.80E-08	5.16E-09	2.22E-07	1.27E-07
5176	484363.09, 3864877.25	1.58E-03	4.98E-07	2.11E-07	9.06E-04	2.86E-07	1.21E-07	2.15E-04	6.77E-08	3.90E-09	2.20E-04	6.95E-08	5.28E-09	2.12E-07	1.23E-07
5177	484863.09, 3864877.25	1.53E-03	4.81E-07	2.04E-07	8.84E-04	2.79E-07	1.18E-07	2.19E-04	6.92E-08	3.98E-09	2.25E-04	7.11E-08	5.40E-09	2.06E-07	1.20E-07
5178	485363.09, 3864877.25	1.51E-03	4.75E-07	2.02E-07	8.79E-04	2.77E-07	1.18E-07	2.26E-04	7.12E-08	4.09E-09	2.30E-04	7.26E-08	5.51E-09	2.03E-07	1.19E-07
5179	485863.09, 3864877.25	1.45E-03	4.59E-07	1.95E-07	8.55E-04	2.70E-07	1.15E-07	2.29E-04	7.22E-08	4.15E-09	2.35E-04	7.42E-08	5.63E-09	1.96E-07	1.16E-07
5180	486363.09, 3864877.25	1.39E-03	4.39E-07	1.86E-07	8.27E-04	2.61E-07	1.11E-07	2.32E-04	7.32E-08	4.21E-09	2.38E-04	7.52E-08	5.71E-09	1.88E-07	1.12E-07
5181	486863.09, 3864877.25	1.31E-03	4.13E-07	1.75E-07	7.89E-04	2.49E-07	1.06E-07	2.35E-04	7.42E-08	4.27E-09	2.43E-04	7.68E-08	5.83E-09	1.77E-07	1.07E-07
5182	487363.09, 3864877.25	1.30E-03	4.10E-07	1.74E-07	7.88E-04	2.49E-07	1.05E-07	2.40E-04	7.56E-08	4.35E-09	2.48E-04	7.83E-08	5.94E-09	1.76E-07	1.07E-07
5183	487863.09, 3864877.25	1.33E-03	4.19E-07	1.78E-07	8.05E-04	2.54E-07	1.08E-07	2.46E-04	7.76E-08	4.46E-09	2.53E-04	7.99E-08	6.06E-09	1.79E-07	1.09E-07
5184	488363.09, 3864877.25	1.38E-03	4.34E-07	1.84E-07	8.33E-04	2.63E-07	1.12E-07	2.54E-04	8.01E-08	4.61E-09	2.60E-04	8.19E-08	6.22E-09	1.86E-07	1.13E-07
5185	488863.09, 3864877.25	1.44E-03	4.53E-07	1.92E-07	8.67E-04	2.74E-07	1.16E-07	2.60E-04	8.21E-08	4.72E-09	2.64E-04	8.35E-08	6.33E-09	1.94E-07	1.18E-07
5186	489363.09, 3864877.25	1.53E-03	4.82E-07	2.04E-07	9.15E-04	2.89E-07	1.22E-07	2.66E-04	8.41E-08	4.83E-09	2.68E-04	8.45E-08	6.41E-09	2.06E-07	1.24E-07
5187	489863.09, 3864877.25	1.70E-03	5.35E-07	2.27E-07	1.00E-03	3.16E-07	1.34E-07	2.71E-04	8.55E-08	4.92E-09	2.73E-04	8.60E-08	6.53E-09	2.29E-07	1.36E-07
5188	490363.09, 3864877.25	1.92E-03	6.06E-07	2.57E-07	1.11E-03	3.51E-07	1.49E-07	2.77E-04	8.75E-08	5.03E-09	2.79E-04	8.81E-08	6.69E-09	2.59E-07	1.51E-07
5189	490863.09, 3864877.25	2.26E-03	7.12E-07	3.02E-07	1.25E-03	3.96E-07	1.68E-07	2.41E-04	7.61E-08	4.38E-09	2.40E-04	7.57E-08	5.75E-09	3.04E-07	1.69E-07
5190	491363.09, 3864877.25	2.33E-03	7.36E-07	3.12E-07	1.31E-03	4.13E-07	1.75E-07	2.71E-04	8.55E-08	4.92E-09	2.77E-04	8.76E-08	6.65E-09	3.14E-07	1.77E-07
5191	491863.09, 3864877.25	2.32E-03	7.32E-07	3.11E-07	1.28E-03	4.04E-07	1.71E-07	2.33E-04	7.37E-08	4.24E-09	2.42E-04	7.62E-08	5.79E-09	3.12E-07	1.73E-07
5192	492363.09, 3864877.25	1.57E-03	4.96E-07	2.10E-07	8.57E-04	2.71E-07	1.15E-07	1.43E-04	4.50E-08	2.59E-09	1.57E-04	4.95E-08	3.75E-09	2.12E-07	1.16E-07
5193	492863.09, 3864877.25	1.67E-03	5.28E-07	2.24E-07	9.12E-04	2.88E-07	1.22E-07	1.52E-04	4.80E-08	2.76E-09	1.71E-04	5.41E-08	4.11E-09	2.25E-07	1.23E-07
5194	493363.09, 3864877.25	1.57E-03	4.97E-07	2.11E-07	8.63E-04	2.72E-07	1.16E-07	1.50E-04	4.75E-08	2.73E-09	1.63E-04	5.15E-08	3.91E-09	2.12E-07	1.17E-07
5195	493863.09, 3864877.25	1.86E-03	5.88E-07	2.50E-07	1.03E-03	3.27E-07	1.39E-07	1.97E-04	6.23E-08	3.58E-09	2.07E-04	6.54E-08	4.97E-09	2.51E-07	1.40E-07
5196	494363.09, 3864877.25	1.90E-03	5.99E-07	2.54E-07	1.07E-03	3.38E-07	1.43E-07	2.29E-04	7.22E-08	4.15E-09	2.30E-04	7.26E-08	5.51E-09	2.56E-07	1.45E-07
5197	494863.09, 3864877.25	1.91E-03	6.02E-07	2.55E-07	1.08E-03	3.42E-07	1.45E-07	2.40E-04	7.56E-08	4.35E-09	2.40E-04	7.57E-08	5.75E-09	2.57E-07	1.46E-07
5198	495363.09, 3864877.25	1.93E-03	6.09E-07	2.58E-07	1.10E-03	3.47E-07	1.47E-07	2.46E-04	7.76E-08	4.46E-09	2.55E-04	8.04E-08	6.10E-09	2.60E-07	1.49E-07
5199	495863.09, 3864877.25	1.93E-03	6.08E-07	2.58E-07	1.11E-03	3.49E-07	1.48E-07	2.62E-04	8.26E-08	4.75E-09	2.74E-04	8.65E-08	6.57E-09	2.60E-07	1.50E-07
5200	496363.09, 3864877.25	1.95E-03	6.15E-07	2.61E-07	1.11E-03	3.50E-07	1.48E-07	2.48E-04	7.81E-08	4.49E-09	2.61E-04	8.24E-08	6.26E-09	2.63E-07	1.50E-07
5201	496863.09, 3864877.25	1.96E-03	6.18E-07	2.62E-07	1.12E-03	3.52E-07	1.49E-07	2.54E-04	8.01E-08	4.61E-09	2.61E-04	8.24E-08	6.26E-09	2.64E-07	1.51E-07
5202	497363.09, 3864877.25	1.98E-03	6.25E-07	2.65E-07	1.13E-03	3.58E-07	1.52E-07	2.63E-04	8.31E-08	4.78E-09	2.68E-04	8.45E-08	6.41E-09	2.67E-07	1.53E-07
5203	497863.09, 3864877.25	2.02E-03	6.38E-07	2.71E-07	1.16E-03	3.66E-07	1.55E-07	2.74E-04	8.65E-08	4.98E-09	2.77E-04	8.76E-08	6.65E-09	2.72E-07	1.57E-07
5204	498363.09, 3864877.25	2.04E-03	6.42E-07	2.73E-07	1.18E-03	3.73E-07	1.58E-07	2.96E-04	9.34E-08	5.37E-09	3.02E-04	9.53E-08	7.23E-09	2.74E-07	1.60E-07
5205	471363.09, 3865377.25	1.58E-03	4.97E-07	2.11E-07	8.53E-04	2.69E-07	1.14E-07	1.33E-04	4.20E-08	2.42E-09	1.35E-04	4.28E-08	3.25E-09	2.12E-07	1.15E-07
5206	471863.09, 3865377.25	1.59E-03	5.02E-07	2.13E-07	8.61E-04	2.72E-07	1.15E-07	1.35E-04	4.25E-08	2.45E-09	1.37E-04	4.33E-08	3.28E-09	2.14E-07	1.16E-07
5207	472363.09, 3865377.25	1.59E-03	5.03E-07	2.13E-07	8.63E-04	2.73E-07	1.16E-07	1.36E-04	4.30E-08	2.47E-09	1.39E-04	4.38E-08	3.32E-09	2.14E-07	1.16E-07
5208	472863.09, 3865377.25	1.61E-03	5.09E-07	2.16E-07	8.75E-04	2.76E-07	1.17E-07	1.39E-04	4.40E-08	2.53E-09	1.42E-04	4.48E-08	3.40E-09	2.17E-07	1.18E-07
5209	473363.09, 3865377.25	1.60E-03	5.05E-07	2.14E-07	8.70E-04	2.75E-07	1.17E-07	1.41E-04	4.45E-08	2.56E-09	1.44E-04	4.53E-08	3.44E-09	2.15E-07	1.17E-07
5210	473863.09, 3865377.25	1.60E-03	5.06E-07	2.15E-07	8.73E-04	2.76E-07	1.17E-07	1.43E-04	4.50E-08	2.59E-09	1.45E-04	4.59E-08	3.48E-09	2.16E-07	1.18E-07
5211	474363.09, 3865377.25	1.61E-03	5.08E-07	2.16E-07	8.78E-04	2.77E-07	1.18E-07	1.46E-04	4.60E-08	2.64E-09	1.47E-04	4.64E-08	3.52E-09	2.16E-07	1.18E-07
5212	474863.09, 3865377.25	1.61E-03	5.09E-07	2.16E-07	8.80E-04	2.78E-07	1.18E-07	1.47E-04	4.65E-08	2.67E-09	1.49E-04	4.69E-08	3.56E-09	2.17E-07	1.19E-07
5213	475363.09, 3865377.25	1.62E-03	5.11E-07	2.17E-07	8.85E-04	2.79E-07	1.18E-07	1.50E-04	4.75E-08	2.73E-09	1.52E-04	4.79E-08	3.64E-09	2.18E-07	1.19E-07
5214	475863.09, 3865377.25	1.63E-03	5.16E-07	2.19E-07	8.94E-04	2.82E-07	1.20E-07	1.52E-04	4.80E-08	2.76E-09	1.53E-04	4.84E-08	3.68E-09	2.20E-07	1.21E-07
5215	476363.09, 3865377.25	1.69E-03	5.35E-07	2.27E-07	9.25E-04	2.92E-07	1.24E-07	1.55E-04	4.89E-08	2.82E-09	1.57E-04	4.95E-08	3.75E-09	2.28E-07	1.25E-07
5216	476863.09, 3865377.25	1.77E-03	5.58E-07	2.37E-07	9.58E-04	3.02E-07	1.28E-07	1.50E-04	4.75E-08	2.73E-09	1.55E-04	4.89E-08	3.71E-09	2.38E-07	1.29E-07

5217	477363.09, 3865377.25	1.73E-03	5.45E-07	2.31E-07	9.44E-04	2.98E-07	1.26E-07	1.60E-04	5.04E-08	2.90E-09	1.62E-04	5.10E-08	3.87E-09	2.32E-07	1.27E-07
5218	477863.09, 3865377.25	1.72E-03	5.42E-07	2.30E-07	9.42E-04	2.97E-07	1.26E-07	1.63E-04	5.14E-08	2.96E-09	1.65E-04	5.20E-08	3.95E-09	2.31E-07	1.27E-07
5219	478363.09, 3865377.25	1.72E-03	5.43E-07	2.30E-07	9.44E-04	2.98E-07	1.26E-07	1.64E-04	5.19E-08	2.99E-09	1.66E-04	5.25E-08	3.99E-09	2.31E-07	1.27E-07
5220	478863.09, 3865377.25	1.70E-03	5.35E-07	2.27E-07	9.34E-04	2.95E-07	1.25E-07	1.68E-04	5.29E-08	3.04E-09	1.70E-04	5.36E-08	4.07E-09	2.28E-07	1.26E-07
5221	479363.09, 3865377.25	1.68E-03	5.31E-07	2.25E-07	9.28E-04	2.93E-07	1.24E-07	1.69E-04	5.34E-08	3.07E-09	1.73E-04	5.46E-08	4.14E-09	2.26E-07	1.25E-07
5222	479863.09, 3865377.25	1.66E-03	5.23E-07	2.22E-07	9.18E-04	2.90E-07	1.23E-07	1.72E-04	5.44E-08	3.13E-09	1.75E-04	5.51E-08	4.18E-09	2.23E-07	1.24E-07
5223	480363.09, 3865377.25	1.60E-03	5.06E-07	2.15E-07	8.94E-04	2.82E-07	1.20E-07	1.75E-04	5.54E-08	3.18E-09	1.78E-04	5.62E-08	4.26E-09	2.16E-07	1.21E-07
5224	480863.09, 3865377.25	1.57E-03	4.94E-07	2.10E-07	8.78E-04	2.77E-07	1.18E-07	1.79E-04	5.64E-08	3.24E-09	1.81E-04	5.72E-08	4.34E-09	2.11E-07	1.19E-07
5225	481363.09, 3865377.25	1.56E-03	4.92E-07	2.09E-07	8.78E-04	2.77E-07	1.18E-07	1.83E-04	5.78E-08	3.33E-09	1.84E-04	5.82E-08	4.42E-09	2.10E-07	1.19E-07
5226	481863.09, 3865377.25	1.57E-03	4.94E-07	2.10E-07	8.83E-04	2.79E-07	1.18E-07	1.86E-04	5.88E-08	3.38E-09	1.88E-04	5.92E-08	4.50E-09	2.11E-07	1.19E-07
5227	482363.09, 3865377.25	1.57E-03	4.96E-07	2.10E-07	8.86E-04	2.80E-07	1.19E-07	1.88E-04	5.93E-08	3.41E-09	1.91E-04	6.03E-08	4.57E-09	2.12E-07	1.20E-07
5228	482863.09, 3865377.25	1.56E-03	4.94E-07	2.09E-07	8.85E-04	2.79E-07	1.18E-07	1.91E-04	6.03E-08	3.47E-09	1.94E-04	6.13E-08	4.65E-09	2.11E-07	1.20E-07
5229	483363.09, 3865377.25	1.53E-03	4.82E-07	2.04E-07	8.68E-04	2.74E-07	1.16E-07	1.94E-04	6.13E-08	3.53E-09	1.98E-04	6.23E-08	4.73E-09	2.06E-07	1.17E-07
5230	483863.09, 3865377.25	1.47E-03	4.64E-07	1.97E-07	8.44E-04	2.66E-07	1.13E-07	1.97E-04	6.23E-08	3.58E-09	2.01E-04	6.34E-08	4.81E-09	1.98E-07	1.14E-07
5231	484363.09, 3865377.25	1.42E-03	4.47E-07	1.89E-07	8.17E-04	2.58E-07	1.09E-07	1.99E-04	6.28E-08	3.61E-09	2.04E-04	6.44E-08	4.89E-09	1.91E-07	1.11E-07
5232	484863.09, 3865377.25	1.38E-03	4.35E-07	1.85E-07	8.03E-04	2.53E-07	1.07E-07	2.04E-04	6.43E-08	3.70E-09	2.09E-04	6.59E-08	5.01E-09	1.86E-07	1.09E-07
5233	485363.09, 3865377.25	1.33E-03	4.19E-07	1.78E-07	7.80E-04	2.46E-07	1.04E-07	2.07E-04	6.53E-08	3.75E-09	2.12E-04	6.70E-08	5.08E-09	1.79E-07	1.06E-07
5234	485863.09, 3865377.25	1.29E-03	4.08E-07	1.73E-07	7.65E-04	2.42E-07	1.02E-07	2.11E-04	6.67E-08	3.84E-09	2.17E-04	6.85E-08	5.20E-09	1.74E-07	1.04E-07
5235	486363.09, 3865377.25	1.24E-03	3.92E-07	1.66E-07	7.43E-04	2.34E-07	9.94E-08	2.13E-04	6.72E-08	3.87E-09	2.20E-04	6.95E-08	5.28E-09	1.68E-07	1.01E-07
5236	486863.09, 3865377.25	1.17E-03	3.70E-07	1.57E-07	7.11E-04	2.24E-07	9.51E-08	2.16E-04	6.82E-08	3.92E-09	2.22E-04	7.01E-08	5.32E-09	1.58E-07	9.65E-08
5237	487363.09, 3865377.25	1.16E-03	3.66E-07	1.55E-07	7.06E-04	2.23E-07	9.46E-08	2.19E-04	6.92E-08	3.98E-09	2.25E-04	7.11E-08	5.40E-09	1.57E-07	9.60E-08
5238	487863.09, 3865377.25	1.17E-03	3.70E-07	1.57E-07	7.14E-04	2.25E-07	9.56E-08	2.22E-04	7.02E-08	4.04E-09	2.30E-04	7.26E-08	5.51E-09	1.58E-07	9.71E-08
5239	488363.09, 3865377.25	1.20E-03	3.79E-07	1.61E-07	7.31E-04	2.31E-07	9.79E-08	2.27E-04	7.17E-08	4.12E-09	2.33E-04	7.37E-08	5.59E-09	1.62E-07	9.94E-08
5240	488863.09, 3865377.25	1.25E-03	3.95E-07	1.67E-07	7.60E-04	2.40E-07	1.02E-07	2.35E-04	7.42E-08	4.27E-09	2.38E-04	7.52E-08	5.71E-09	1.69E-07	1.03E-07
5241	489363.09, 3865377.25	1.34E-03	4.23E-07	1.79E-07	8.08E-04	2.55E-07	1.08E-07	2.41E-04	7.61E-08	4.38E-09	2.45E-04	7.73E-08	5.87E-09	1.81E-07	1.10E-07
5242	489863.09, 3865377.25	1.47E-03	4.64E-07	1.97E-07	8.74E-04	2.76E-07	1.17E-07	2.46E-04	7.76E-08	4.46E-09	2.48E-04	7.83E-08	5.94E-09	1.98E-07	1.19E-07
5243	490363.09, 3865377.25	1.71E-03	5.39E-07	2.29E-07	9.75E-04	3.08E-07	1.31E-07	2.21E-04	6.97E-08	4.01E-09	2.24E-04	7.06E-08	5.36E-09	2.30E-07	1.32E-07
5244	490863.09, 3865377.25	1.95E-03	6.14E-07	2.61E-07	1.09E-03	3.43E-07	1.45E-07	2.15E-04	6.77E-08	3.90E-09	2.14E-04	6.75E-08	5.12E-09	2.62E-07	1.47E-07
5245	491363.09, 3865377.25	2.14E-03	6.74E-07	2.86E-07	1.17E-03	3.71E-07	1.57E-07	2.10E-04	6.63E-08	3.81E-09	2.11E-04	6.65E-08	5.04E-09	2.87E-07	1.59E-07
5246	491863.09, 3865377.25	2.17E-03	6.86E-07	2.91E-07	1.19E-03	3.76E-07	1.60E-07	2.10E-04	6.63E-08	3.81E-09	2.15E-04	6.80E-08	5.16E-09	2.92E-07	1.61E-07
5247	492363.09, 3865377.25	2.07E-03	6.53E-07	2.77E-07	1.12E-03	3.54E-07	1.50E-07	1.77E-04	5.59E-08	3.21E-09	1.89E-04	5.98E-08	4.54E-09	2.78E-07	1.51E-07
5248	492863.09, 3865377.25	1.75E-03	5.54E-07	2.35E-07	9.50E-04	3.00E-07	1.27E-07	1.49E-04	4.70E-08	2.70E-09	1.66E-04	5.25E-08	3.99E-09	2.36E-07	1.29E-07
5249	493363.09, 3865377.25	1.44E-03	4.56E-07	1.93E-07	7.91E-04	2.50E-07	1.06E-07	1.36E-04	4.30E-08	2.47E-09	1.52E-04	4.79E-08	3.64E-09	1.94E-07	1.07E-07
5250	493863.09, 3865377.25	1.58E-03	5.00E-07	2.12E-07	8.70E-04	2.75E-07	1.17E-07	1.54E-04	4.85E-08	2.79E-09	1.68E-04	5.31E-08	4.03E-09	2.13E-07	1.18E-07
5251	494363.09, 3865377.25	1.66E-03	5.22E-07	2.22E-07	9.20E-04	2.90E-07	1.23E-07	1.77E-04	5.59E-08	3.21E-09	1.86E-04	5.87E-08	4.46E-09	2.23E-07	1.24E-07
5252	494863.09, 3865377.25	1.67E-03	5.28E-07	2.24E-07	9.41E-04	2.97E-07	1.26E-07	1.96E-04	6.18E-08	3.55E-09	1.98E-04	6.23E-08	4.73E-09	2.25E-07	1.27E-07
5253	495363.09, 3865377.25	1.70E-03	5.35E-07	2.27E-07	9.58E-04	3.02E-07	1.28E-07	2.05E-04	6.48E-08	3.73E-09	2.04E-04	6.44E-08	4.89E-09	2.28E-07	1.29E-07
5254	495863.09, 3865377.25	1.71E-03	5.41E-07	2.29E-07	9.74E-04	3.07E-07	1.30E-07	2.18E-04	6.87E-08	3.95E-09	2.25E-04	7.11E-08	5.40E-09	2.31E-07	1.32E-07
5255	496363.09, 3865377.25	1.71E-03	5.39E-07	2.29E-07	9.62E-04	3.04E-07	1.29E-07	2.02E-04	6.38E-08	3.67E-09	2.15E-04	6.80E-08	5.16E-09	2.30E-07	1.30E-07
5256	496863.09, 3865377.25	1.73E-03	5.46E-07	2.32E-07	9.68E-04	3.06E-07	1.30E-07	1.96E-04	6.18E-08	3.55E-09	2.11E-04	6.65E-08	5.04E-09	2.33E-07	1.31E-07
5257	497363.09, 3865377.25	1.75E-03	5.54E-07	2.35E-07	9.94E-04	3.14E-07	1.33E-07	2.16E-04	6.82E-08	3.92E-09	2.24E-04	7.06E-08	5.36E-09	2.36E-07	1.35E-07
5258	497863.09, 3865377.25	1.77E-03	5.60E-07	2.38E-07	1.01E-03	3.18E-07	1.35E-07	2.22E-04	7.02E-08	4.04E-09	2.25E-04	7.11E-08	5.40E-09	2.39E-07	1.36E-07
5259	498363.09, 3865377.25	1.79E-03	5.67E-07	2.40E-07	1.01E-03	3.20E-07	1.36E-07	2.18E-04	6.87E-08	3.95E-09	2.20E-04	6.95E-08	5.28E-09	2.42E-07	1.37E-07
5260	471363.09, 3865877.25	1.49E-03	4.69E-07	1.99E-07	8.06E-04	2.54E-07	1.08E-07	1.28E-04	4.05E-08	2.33E-09	1.31E-04	4.12E-08	3.13E-09	2.00E-07	1.09E-07
5261	471863.09, 3865877.25	1.49E-03	4.70E-07	2.00E-07	8.10E-04	2.56E-07	1.09E-07	1.32E-04	4.15E-08	2.39E-09	1.34E-04	4.22E-08	3.21E-09	2.00E-07	1.09E-07
5262	472363.09, 3865877.25	1.51E-03	4.76E-07	2.02E-07	8.19E-04	2.59E-07	1.10E-07	1.33E-04	4.20E-08	2.42E-09	1.35E-04	4.28E-08	3.25E-09	2.03E-07	1.11E-07
5263	472863.09, 3865877.25	1.50E-03	4.72E-07	2.00E-07	8.15E-04	2.57E-07	1.09E-07	1.35E-04	4.25E-08	2.45E-09	1.37E-04	4.33E-08	3.28E-09	2.01E-07	1.10E-07
5264	473363.09, 3865877.25	1.50E-03	4.73E-07	2.01E-07	8.18E-04	2.58E-07	1.10E-07	1.36E-04	4.30E-08	2.47E-09	1.39E-04	4.38E-08	3.32E-09	2.02E-07	1.10E-07
5265	473863.09, 3865877.25	1.50E-03	4.75E-07	2.01E-07	8.22E-04	2.60E-07	1.10E-07	1.39E-04	4.40E-08	2.53E-09	1.40E-04	4.43E-08	3.36E-09	2.02E-07	1.11E-07
5266	474363.09, 3865877.25	1.51E-03	4.76E-07	2.02E-07	8.25E-04	2.60E-07	1.10E-07	1.41E-04	4.45E-08	2.56E-09	1.44E-04	4.53E-08	3.44E-09	2.03E-07	1.11E-07
5267	474863.09, 3865877.25	1.53E-03	4.82E-07	2.04E-07	8.36E-04	2.64E-07	1.12E-07	1.44E-04	4.55E-08	2.62E-09	1.45E-04	4.59E-08	3.48E-09	2.05E-07	1.13E-07
5268	475363.09, 3865877.25	1.53E-03	4.82E-07	2.05E-07	8.38E-04	2.64E-07	1.12E-07	1.46E-04	4.60E-08	2.64E-09	1.47E-04	4.64E-08	3.52E-09	2.06E-07	1.13E-07
5269	475863.09, 3865877.25	1.55E-03	4.88E-07	2.07E-07	8.49E-04	2.68E-07	1.14E-07	1.49E-04	4.70E-08	2.70E-09	1.50E-04	4.74E-08	3.60E-09	2.08E-07	1.15E-07
5270	476363.09, 3865877.25	1.62E-03	5.10E-07	2.16E-07	8.82E-04	2.78E-07	1.18E-07	1.49E-04	4.70E-08	2.70E-09	1.52E-04	4.79E-08	3.64E-09	2.17E-07	1.19E-07
5271	476863.09, 3865877.25	1.67E-03	5.26E-07	2.23E-07	9.05E-04	2.86E-07	1.21E-07	1.46E-04	4.60E-08	2.64E-09	1.50E-04	4.74E-08	3.60E-09	2.24E-07	1.22E-07
5272	477363.09, 3865877.25	1.62E-03	5.13E-07	2.18E-07	8.91E-04	2.81E-07	1.19E-07	1.55E-04	4.89E-08	2.82E-09	1.57E-04	4.95E-08	3.75E-09	2.18E-07	1.20E-07
5273	477863.09, 3865877.25	1.60E-03	5.05E-07	2.14E-07	8.79E-04	2.77E-07	1.18E-07	1.57E-04	4.94E-08	2.84E-09	1.60E-04	5.05E-08	3.83E-09	2.15E-07	1.19E-07
5274	478363.09, 3865877.25	1.59E-03	5.00E-07	2.12E-07	8.74E-04	2.76E-07	1.17E-07	1.58E-04	4.99E-08	2.87E-09	1.62E-04	5.10E-08	3.87E-09	2.13E-07	1.18E-07
5275	478863.09, 3865877.25	1.56E-03	4.92E-07	2.09E-07	8.61E-04	2.72E-07	1.15E-07	1.60E-04	5.04E-08	2.90E-09	1.63E-04	5.15E-08	3.91E-09	2.10E-07	1.16E-07
5276	479363.09, 3865877.25	1.53E-03	4.83E-07	2.05E-07	8.49E-04	2.68E-07	1.14E-07	1.61E-04	5.09E-08	2.93E-09	1.65E-04	5.20E-08	3.95E-09	2.06E-07	1.15E-07
5277	479863.09, 3865877.25	1.49E-03	4.70E-07	2.00E-07	8.31E-04	2.62E-07	1.11E-07	1.63E-04	5.14E-08	2.96E-09	1.66E-04	5.25E-08	3.99E-09	2.01E-07	1.12E-07
5278	480363.09, 3865877.25	1.45E-03	4.59E-07	1.95E-07	8.14E-04	2.57E-07	1.09E-07	1.66E-04	5.24E-08	3.01E-09	1.68E-04	5.31E-08	4.03E-09	1.96E-07	1.10E-07
5279	480863.09, 3865877.25	1.41E-03	4.46E-07	1.89E-07	7.96E-04	2.51E-07	1.07E-07	1.68E-04	5.29E-08	3.04E-09	1.71E-04	5.41E-08	4.11E-09	1.90E-07	1.08E-07
5280	481363.09, 3865877.25	1.41E-03	4.44E-07	1.89E-07	7.97E-04	2.51E-07	1.07E-07	1.72E-04	5.44E-08	3.13E-09	1.75E-04	5.51E-08	4.18E-09	1.90E-07	1.08E-07
5281	481863.09, 3865877.25	1.41E-03	4.46E-07	1.89E-07	8.00E-04	2.52E-07	1.07E-07	1.74E-04	5.49E-08	3.16E-09	1.76E-04	5.56E-08	4.22E-09	1.90E-07	1.08E-07
5282	482363.09, 3865877.25	1.42E-03	4.47E-07	1.90E-07	8.03E-04	2.54E-07	1.08E-07	1.75E-04	5.54E-08	3.18E-09	1.80E-04	5.67E-08	4.30E-09	1.91E-07	1.09E-07
5283	482863.09, 3865877.25	1.39E-03	4.40E-07	1.87E-07	7.94E-04	2.51E-07	1.06E-07	1.79E-04	5.64E-08	3.24E-09	1.81E-04	5.72E-08	4.34E-09	1.88E-07	1.07E-07
5284	483363.09, 3865877.25	1.37E-03	4.32E-07	1.83E-07	7.84E-04	2.47E-07	1.05E-07	1.82E-04	5.74E-08	3.30E-09	1.84E-04	5.82E-08	4.42E-09	1.84E-07	1.06E-07
5285	483863.09, 3865877.25	1.33E-03	4.18E-07	1.78E-07	7.64E-04	2.41E-07	1.02E-07	1.83E-04	5.78E-08	3.33E-09	1.88E-04	5.92E-08	4.50E-09	1.79E-07	1.03E-07
5286	484363.09, 3865877.25	1.29E-03	4.06E-07	1.72E-07	7.46E-04	2.36E-07	1.00E-07	1.86E-04	5.88E-08	3.38E-09	1.91E-04	6.03E-08	4.57E-09	1.73E-07	1.01E-07
5287	484863.09, 3865877.25	1.24E-03	3.90E-07	1.66E-07	7.24E-04	2.29E-07	9.70E-08	1.90E-04	5.98E-08	3.44E-09	1.94E-04	6.13E-08	4.65E-09	1.67E-07	9.82E-08
5288	485363.09, 3865877.25	1.18E-03	3.73E-07	1.58E-07	6.99E-04	2.21E-07	9.36E-08	1.91E-04	6.03E-08	3.47E-09	1.98E-04	6.23E-08	4.73E-09	1.60E-07	9.49E-08
5289	485863.09, 3865877.25	1.16E-03	3.66E-07	1.55E-07	6.89E-04	2.17E-07	9.23E-08	1.94E-04	6.13E-08	3.53E-09	1.99E-04	6.29E-08	4.77E-09	1.56E-07	9.35E-08
5290	486363.09, 3865877.25	1.11E-03	3.51E-07	1.49E-07	6.67E-04	2.11E-07	8.93E-08	1.96E-04	6.18E-08	3.55E-09	2.01E-04	6.34E-08	4.81E-09	1.50E-07	9.06E-08
5291	486863.09, 3865877.25	1.08E-03	3.40E-07	1.44E-07	6.52E-04	2.06E-07	8.73E-08	1.97E-04	6.23E-08	3.58E-09	2.04E-04	6.44E-08	4.89E-09	1.46E-07	8.86E-08
5292	487363.09, 3865877.25	1.07E-03	3.36E-07	1.43E-07	6.48E-04	2.04E-07	8.68E-08	2.01E-04	6.33E-08	3.64E-09	2.07E-04	6.54E-08	4.97E-09	1.44E-07	8.81E-08
5293	487863.09, 3865877.25	1.05E-03	3.32E-07	1.41E-07	6.44E-04	2.03E-07	8.62E-08	2.05E-04	6.48E-08	3.73E-09	2.12E-04	6.70E-08	5.08E-09	1.42E-07	8.76E-08
5294	488363.09, 3865877.25	1.05E-03	3.33E-07	1.41E-07	6.49E-04	2.05E-07	8.69E-08	2.10E-04	6.63E-08	3.81E-09	2.17E-04	6.85E-08	5.20E-09	1.43E-07	8.82E-08
5295	488863.09, 3865877.25	1.10E-03	3.48E-07	1.48E-07	6.76E-04	2.13E-07	9.05E-08	2.16E-04	6.82E-08	3.92E-09	2.20E-04	6.95E-08	5.28E-09	1.49E-07	9.18E-08
5296	489363.09, 3865877.25	1.17E-03	3.71E-07	1.57E-07	7.14E-04	2.26E-07	9.57E-08	2.21E-04	6.97E-08	4.01E-09	2.24E-04	7.06E-08	5.36E-09	1.59E-07	9.70E-08
5297	489863.09, 3865877.25	1.29E-03	4.06E-07	1.72E-07	7.70E-04	2.43E-07	1.03E-07	2.22E-04	7.02E-08	4.04E-09	2.25E-04	7.11E-08	5.40E-09	1.74E-07	1.05E-07
5298	490363.09, 3865877.25	1.45E-03	4.59E-07	1.95E-07	8.47E-04	2.67E-07	1.13E-07	2.15E-04	6.77E-08	3.90E-09	2.17E-04	6.85E-08	5.20E-09	1.96E-07	1.15E-07
5299	490863.09, 3865877.25	1.67E-03	5.26E-07	2.23E-07	9.41E-04	2.97E-07	1.26E-07	2.01E-04	6.33E-08	3.64E-09	2.01E-04	6.34E-08	4.81E-09	2.24E-07	1.27E-07
5300	491363.09, 3865877.25	1.88E-03	5.93E-07	2.52E-07	1.04E-03	3.27E-07	1.39E-07	1.86E-04	5.88E-08	3.38E-09	1.88E-04	5.92E-08	4.50E-09	2.53E-07	1.40E-07
5301	491863.09, 3865877.25	2.00E-03	6.30E-07	2.67E-07	1.09E-03	3.45E-07	1.46E-07	1.86E-04	5.88E-08	3.38E-09	1.89E-04	5.98E-08	4.54E-09	2.69E-07	1.47E-07
5302	492363.09, 3865877.25	1.99E-03	6.29E-07	2.67E-07	1.08E-03	3.42E-07	1.45E-07	1.75E-04	5.54E-08	3.18E-09	1.84E-04	5.82E-08	4.42E-09	2.68E-07	1.46E-07
5303	492863.09, 3865877.25	1.79E-03	5.64E-07	2.39E-07	9.63E-04	3.04E-07	1.29E-07	1.44E-04	4.55E-08	2.62E-09	1.58E-04	5.00E-08	3.79E-09	2.41E-07	1.30E-07
5304	493363.09, 3865877.25	1.56E-03	4.93E-07	2.09E-07	8.49E-04	2.68E-07	1.14E-07	1.38E-04	4.35E-08	2.50E-09	1.53E-04	4.84E-08	3.68E-09	2.10E-07	1.15E-07
5305	493863.09, 3865877.25	1.49E-03	4.69E-07	1.99E-07	8.17E-04	2.58E-07	1.09E-07	1.44E-04	4.55E-08	2.62E-09	1.60E-04	5.05E-08	3.83E-09	2.00E-07	1.11E-07
5306	494363.09, 3865877.25	1.50E-03	4.75E-07	2.01E-07	8.32E-04	2.63E-07	1.11E-07	1.55E-04	4.89E-08	2.82E-09	1.70E-04	5.36E-08	4.07E-09	2.03E-07	1.13E-07

5307	494863.09, 3865877.25	1.50E-03	4.74E-07	2.01E-07	8.45E-04	2.67E-07	1.13E-07	1.77E-04	5.59E-08	3.21E-09	1.86E-04	5.87E-08	4.46E-09	2.02E-07	1.14E-07
5308	495363.09, 3865877.25	1.50E-03	4.75E-07	2.02E-07	8.51E-04	2.69E-07	1.14E-07	1.83E-04	5.78E-08	3.33E-09	1.84E-04	5.82E-08	4.42E-09	2.03E-07	1.15E-07
5309	495863.09, 3865877.25	1.53E-03	4.83E-07	2.05E-07	8.62E-04	2.72E-07	1.15E-07	1.83E-04	5.78E-08	3.33E-09	1.83E-04	5.77E-08	4.38E-09	2.06E-07	1.17E-07
5310	496363.09, 3865877.25	1.53E-03	4.83E-07	2.05E-07	8.58E-04	2.71E-07	1.15E-07	1.75E-04	5.54E-08	3.18E-09	1.81E-04	5.72E-08	4.34E-09	2.06E-07	1.16E-07
5311	496863.09, 3865877.25	1.54E-03	4.85E-07	2.06E-07	8.55E-04	2.70E-07	1.14E-07	1.66E-04	5.24E-08	3.01E-09	1.80E-04	5.67E-08	4.30E-09	2.07E-07	1.16E-07
5312	497363.09, 3865877.25	1.56E-03	4.92E-07	2.09E-07	8.69E-04	2.74E-07	1.16E-07	1.71E-04	5.39E-08	3.10E-09	1.84E-04	5.82E-08	4.42E-09	2.10E-07	1.18E-07
5313	497863.09, 3865877.25	1.57E-03	4.95E-07	2.10E-07	8.78E-04	2.77E-07	1.18E-07	1.79E-04	5.64E-08	3.24E-09	1.89E-04	5.98E-08	4.54E-09	2.11E-07	1.19E-07
5314	498363.09, 3865877.25	1.59E-03	5.03E-07	2.13E-07	8.83E-04	2.79E-07	1.18E-07	1.68E-04	5.29E-08	3.04E-09	1.71E-04	5.41E-08	4.11E-09	2.14E-07	1.19E-07
5315	471363.09, 3866377.25	1.41E-03	4.46E-07	1.89E-07	7.69E-04	2.43E-07	1.03E-07	1.25E-04	3.96E-08	2.27E-09	1.29E-04	4.07E-08	3.09E-09	1.90E-07	1.04E-07
5316	471863.09, 3866377.25	1.42E-03	4.47E-07	1.90E-07	7.71E-04	2.43E-07	1.03E-07	1.27E-04	4.00E-08	2.30E-09	1.31E-04	4.12E-08	3.13E-09	1.90E-07	1.04E-07
5317	472363.09, 3866377.25	1.42E-03	4.49E-07	1.90E-07	7.76E-04	2.45E-07	1.04E-07	1.30E-04	4.10E-08	2.36E-09	1.32E-04	4.17E-08	3.17E-09	1.91E-07	1.05E-07
5318	472863.09, 3866377.25	1.41E-03	4.45E-07	1.89E-07	7.71E-04	2.43E-07	1.03E-07	1.32E-04	4.15E-08	2.39E-09	1.34E-04	4.22E-08	3.21E-09	1.90E-07	1.04E-07
5319	473363.09, 3866377.25	1.41E-03	4.46E-07	1.89E-07	7.74E-04	2.44E-07	1.04E-07	1.33E-04	4.20E-08	2.42E-09	1.35E-04	4.28E-08	3.25E-09	1.90E-07	1.04E-07
5320	473863.09, 3866377.25	1.42E-03	4.48E-07	1.90E-07	7.78E-04	2.46E-07	1.04E-07	1.36E-04	4.30E-08	2.47E-09	1.37E-04	4.33E-08	3.28E-09	1.91E-07	1.05E-07
5321	474363.09, 3866377.25	1.42E-03	4.48E-07	1.90E-07	7.80E-04	2.46E-07	1.05E-07	1.38E-04	4.35E-08	2.50E-09	1.40E-04	4.43E-08	3.36E-09	1.91E-07	1.05E-07
5322	474863.09, 3866377.25	1.42E-03	4.49E-07	1.90E-07	7.82E-04	2.47E-07	1.05E-07	1.39E-04	4.40E-08	2.53E-09	1.42E-04	4.48E-08	3.40E-09	1.91E-07	1.06E-07
5323	475363.09, 3866377.25	1.42E-03	4.50E-07	1.91E-07	7.84E-04	2.48E-07	1.05E-07	1.41E-04	4.45E-08	2.56E-09	1.44E-04	4.53E-08	3.44E-09	1.92E-07	1.06E-07
5324	475863.09, 3866377.25	1.44E-03	4.55E-07	1.93E-07	7.93E-04	2.50E-07	1.06E-07	1.43E-04	4.50E-08	2.59E-09	1.45E-04	4.59E-08	3.48E-09	1.94E-07	1.07E-07
5325	476363.09, 3866377.25	1.50E-03	4.73E-07	2.01E-07	8.22E-04	2.60E-07	1.10E-07	1.44E-04	4.55E-08	2.62E-09	1.47E-04	4.64E-08	3.52E-09	2.02E-07	1.11E-07
5326	476863.09, 3866377.25	1.56E-03	4.91E-07	2.09E-07	8.46E-04	2.67E-07	1.13E-07	1.36E-04	4.30E-08	2.47E-09	1.42E-04	4.48E-08	3.40E-09	2.09E-07	1.14E-07
5327	477363.09, 3866377.25	1.54E-03	4.86E-07	2.06E-07	8.43E-04	2.66E-07	1.13E-07	1.44E-04	4.55E-08	2.62E-09	1.49E-04	4.69E-08	3.56E-09	2.07E-07	1.14E-07
5328	477863.09, 3866377.25	1.49E-03	4.71E-07	2.00E-07	8.23E-04	2.60E-07	1.10E-07	1.50E-04	4.75E-08	2.73E-09	1.52E-04	4.79E-08	3.64E-09	2.01E-07	1.11E-07
5329	478363.09, 3866377.25	1.46E-03	4.61E-07	1.96E-07	8.09E-04	2.55E-07	1.08E-07	1.50E-04	4.75E-08	2.73E-09	1.53E-04	4.84E-08	3.68E-09	1.97E-07	1.09E-07
5330	478863.09, 3866377.25	1.43E-03	4.53E-07	1.92E-07	7.96E-04	2.51E-07	1.07E-07	1.52E-04	4.80E-08	2.76E-09	1.55E-04	4.89E-08	3.71E-09	1.93E-07	1.08E-07
5331	479363.09, 3866377.25	1.39E-03	4.40E-07	1.87E-07	7.78E-04	2.45E-07	1.04E-07	1.54E-04	4.85E-08	2.79E-09	1.57E-04	4.95E-08	3.75E-09	1.88E-07	1.05E-07
5332	479863.09, 3866377.25	1.36E-03	4.28E-07	1.81E-07	7.60E-04	2.40E-07	1.02E-07	1.55E-04	4.89E-08	2.82E-09	1.58E-04	5.00E-08	3.79E-09	1.82E-07	1.03E-07
5333	480363.09, 3866377.25	1.32E-03	4.15E-07	1.76E-07	7.42E-04	2.34E-07	9.93E-08	1.57E-04	4.94E-08	2.84E-09	1.60E-04	5.05E-08	3.83E-09	1.77E-07	1.00E-07
5334	480863.09, 3866377.25	1.28E-03	4.04E-07	1.71E-07	7.26E-04	2.29E-07	9.72E-08	1.60E-04	5.04E-08	2.90E-09	1.62E-04	5.10E-08	3.87E-09	1.72E-07	9.82E-08
5335	481363.09, 3866377.25	1.29E-03	4.06E-07	1.72E-07	7.31E-04	2.31E-07	9.79E-08	1.63E-04	5.14E-08	2.96E-09	1.65E-04	5.20E-08	3.95E-09	1.73E-07	9.89E-08
5336	481863.09, 3866377.25	1.29E-03	4.07E-07	1.73E-07	7.34E-04	2.32E-07	9.83E-08	1.64E-04	5.19E-08	2.99E-09	1.66E-04	5.25E-08	3.99E-09	1.74E-07	9.94E-08
5337	482363.09, 3866377.25	1.28E-03	4.04E-07	1.71E-07	7.30E-04	2.31E-07	9.78E-08	1.66E-04	5.24E-08	3.01E-09	1.68E-04	5.31E-08	4.03E-09	1.72E-07	9.88E-08
5338	482863.09, 3866377.25	1.27E-03	4.00E-07	1.70E-07	7.25E-04	2.29E-07	9.71E-08	1.68E-04	5.29E-08	3.04E-09	1.71E-04	5.41E-08	4.11E-09	1.71E-07	9.82E-08
5339	483363.09, 3866377.25	1.25E-03	3.95E-07	1.68E-07	7.19E-04	2.27E-07	9.63E-08	1.69E-04	5.34E-08	3.07E-09	1.73E-04	5.46E-08	4.14E-09	1.69E-07	9.74E-08
5340	483863.09, 3866377.25	1.23E-03	3.87E-07	1.64E-07	7.08E-04	2.23E-07	9.48E-08	1.72E-04	5.44E-08	3.13E-09	1.76E-04	5.56E-08	4.22E-09	1.65E-07	9.59E-08
5341	484363.09, 3866377.25	1.17E-03	3.70E-07	1.57E-07	6.81E-04	2.15E-07	9.12E-08	1.72E-04	5.44E-08	3.13E-09	1.78E-04	5.62E-08	4.26E-09	1.58E-07	9.23E-08
5342	484863.09, 3866377.25	1.12E-03	3.54E-07	1.50E-07	6.59E-04	2.08E-07	8.82E-08	1.75E-04	5.54E-08	3.18E-09	1.80E-04	5.67E-08	4.30E-09	1.51E-07	8.93E-08
5343	485363.09, 3866377.25	1.05E-03	3.32E-07	1.41E-07	6.27E-04	1.98E-07	8.39E-08	1.77E-04	5.59E-08	3.21E-09	1.83E-04	5.77E-08	4.38E-09	1.42E-07	8.51E-08
5344	485863.09, 3866377.25	1.04E-03	3.29E-07	1.40E-07	6.24E-04	1.97E-07	8.35E-08	1.80E-04	5.69E-08	3.27E-09	1.86E-04	5.87E-08	4.46E-09	1.41E-07	8.47E-08
5345	486363.09, 3866377.25	1.03E-03	3.24E-07	1.37E-07	6.17E-04	1.95E-07	8.27E-08	1.83E-04	5.78E-08	3.33E-09	1.89E-04	5.98E-08	4.54E-09	1.38E-07	8.39E-08
5346	486863.09, 3866377.25	1.01E-03	3.18E-07	1.35E-07	6.11E-04	1.93E-07	8.18E-08	1.86E-04	5.88E-08	3.38E-09	1.93E-04	6.08E-08	4.61E-09	1.36E-07	8.30E-08
5347	487363.09, 3866377.25	1.01E-03	3.18E-07	1.35E-07	6.13E-04	1.93E-07	8.21E-08	1.90E-04	5.98E-08	3.44E-09	1.96E-04	6.18E-08	4.69E-09	1.36E-07	8.33E-08
5348	487863.09, 3866377.25	9.88E-04	3.12E-07	1.32E-07	6.03E-04	1.90E-07	8.08E-08	1.90E-04	5.98E-08	3.44E-09	1.96E-04	6.18E-08	4.69E-09	1.34E-07	8.20E-08
5349	488363.09, 3866377.25	9.62E-04	3.04E-07	1.29E-07	5.93E-04	1.87E-07	7.94E-08	1.93E-04	6.08E-08	3.50E-09	1.99E-04	6.29E-08	4.77E-09	1.30E-07	8.07E-08
5350	488863.09, 3866377.25	9.80E-04	3.09E-07	1.31E-07	5.97E-04	1.89E-07	8.00E-08	1.86E-04	5.88E-08	3.38E-09	1.93E-04	6.08E-08	4.61E-09	1.33E-07	8.12E-08
5351	489363.09, 3866377.25	1.05E-03	3.33E-07	1.41E-07	6.31E-04	1.99E-07	8.44E-08	1.82E-04	5.74E-08	3.30E-09	1.88E-04	5.92E-08	4.50E-09	1.42E-07	8.56E-08
5352	489863.09, 3866377.25	1.16E-03	3.65E-07	1.55E-07	6.75E-04	2.13E-07	9.03E-08	1.74E-04	5.49E-08	3.16E-09	1.78E-04	5.62E-08	4.26E-09	1.56E-07	9.14E-08
5353	490363.09, 3866377.25	1.27E-03	3.99E-07	1.69E-07	7.42E-04	2.34E-07	9.94E-08	1.96E-04	6.18E-08	3.55E-09	1.98E-04	6.23E-08	4.73E-09	1.71E-07	1.01E-07
5354	490863.09, 3866377.25	1.42E-03	4.48E-07	1.90E-07	8.20E-04	2.59E-07	1.10E-07	2.01E-04	6.33E-08	3.64E-09	2.02E-04	6.39E-08	4.85E-09	1.91E-07	1.11E-07
5355	491363.09, 3866377.25	1.61E-03	5.09E-07	2.16E-07	9.10E-04	2.87E-07	1.22E-07	1.93E-04	6.08E-08	3.50E-09	1.93E-04	6.08E-08	4.61E-09	2.17E-07	1.23E-07
5356	491863.09, 3866377.25	1.79E-03	5.66E-07	2.40E-07	9.75E-04	3.08E-07	1.31E-07	1.60E-04	5.04E-08	2.90E-09	1.63E-04	5.15E-08	3.91E-09	2.41E-07	1.32E-07
5357	492363.09, 3866377.25	1.86E-03	5.86E-07	2.49E-07	1.01E-03	3.18E-07	1.35E-07	1.61E-04	5.09E-08	2.93E-09	1.66E-04	5.25E-08	3.99E-09	2.50E-07	1.36E-07
5358	492863.09, 3866377.25	1.79E-03	5.65E-07	2.40E-07	9.67E-04	3.05E-07	1.29E-07	1.47E-04	4.65E-08	2.67E-09	1.57E-04	4.95E-08	3.75E-09	2.41E-07	1.31E-07
5359	493363.09, 3866377.25	1.66E-03	5.23E-07	2.22E-07	9.00E-04	2.84E-07	1.21E-07	1.46E-04	4.60E-08	2.64E-09	1.57E-04	4.95E-08	3.75E-09	2.23E-07	1.22E-07
5360	493863.09, 3866377.25	1.51E-03	4.75E-07	2.02E-07	8.28E-04	2.61E-07	1.11E-07	1.47E-04	4.65E-08	2.67E-09	1.60E-04	5.05E-08	3.83E-09	2.03E-07	1.12E-07
5361	494363.09, 3866377.25	1.39E-03	4.40E-07	1.87E-07	7.78E-04	2.46E-07	1.04E-07	1.55E-04	4.89E-08	2.82E-09	1.70E-04	5.36E-08	4.07E-09	1.88E-07	1.05E-07
5362	494863.09, 3866377.25	1.36E-03	4.30E-07	1.82E-07	7.62E-04	2.41E-07	1.02E-07	1.54E-04	4.85E-08	2.79E-09	1.66E-04	5.25E-08	3.99E-09	1.84E-07	1.03E-07
5363	495363.09, 3866377.25	1.35E-03	4.27E-07	1.81E-07	7.56E-04	2.39E-07	1.01E-07	1.50E-04	4.75E-08	2.73E-09	1.57E-04	4.95E-08	3.75E-09	1.82E-07	1.02E-07
5364	495863.09, 3866377.25	1.36E-03	4.30E-07	1.82E-07	7.60E-04	2.40E-07	1.02E-07	1.50E-04	4.75E-08	2.73E-09	1.50E-04	4.74E-08	3.60E-09	1.83E-07	1.03E-07
5365	496363.09, 3866377.25	1.39E-03	4.38E-07	1.86E-07	7.74E-04	2.44E-07	1.04E-07	1.52E-04	4.80E-08	2.76E-09	1.49E-04	4.69E-08	3.56E-09	1.87E-07	1.04E-07
5366	496863.09, 3866377.25	1.40E-03	4.40E-07	1.87E-07	7.74E-04	2.44E-07	1.04E-07	1.47E-04	4.65E-08	2.67E-09	1.50E-04	4.74E-08	3.60E-09	1.88E-07	1.05E-07
5367	497363.09, 3866377.25	1.40E-03	4.41E-07	1.87E-07	7.74E-04	2.44E-07	1.04E-07	1.46E-04	4.60E-08	2.64E-09	1.58E-04	5.00E-08	3.79E-09	1.88E-07	1.05E-07
5368	497863.09, 3866377.25	1.40E-03	4.43E-07	1.88E-07	7.78E-04	2.46E-07	1.04E-07	1.47E-04	4.65E-08	2.67E-09	1.62E-04	5.10E-08	3.87E-09	1.89E-07	1.05E-07
5369	498363.09, 3866377.25	1.40E-03	4.43E-07	1.88E-07	7.71E-04	2.43E-07	1.03E-07	1.36E-04	4.30E-08	2.47E-09	1.45E-04	4.59E-08	3.48E-09	1.89E-07	1.04E-07
5370	474494.92, 3848334.16	7.85E-02	2.48E-05	1.05E-05	7.28E-02	2.30E-05	9.75E-06	5.36E-02	1.69E-05	9.74E-07	5.63E-02	1.78E-05	1.35E-06	1.09E-05	1.01E-05
5371	475167.27, 3848920.79	1.06E-01	3.36E-05	1.42E-05	9.27E-02	2.93E-05	1.24E-05	6.34E-02	2.00E-05	1.15E-06	6.65E-02	2.10E-05	1.59E-06	1.47E-05	1.29E-05
5372	475297.89, 3848997.96	9.25E-02	2.92E-05	1.24E-05	7.68E-02	2.42E-05	1.03E-05	4.92E-02	1.55E-05	8.93E-07	5.19E-02	1.64E-05	1.24E-06	1.27E-05	1.06E-05
5373	475439.05, 3849062	1.08E-01	3.42E-05	1.45E-05	8.96E-02	2.83E-05	1.20E-05	5.72E-02	1.80E-05	1.04E-06	6.03E-02	1.90E-05	1.44E-06	1.49E-05	1.24E-05
5374	475486.86, 3849061.09	8.51E-02	2.68E-05	1.14E-05	6.86E-02	2.17E-05	9.19E-06	4.22E-02	1.33E-05	7.66E-07	4.45E-02	1.40E-05	1.07E-06	1.17E-05	9.49E-06
5375	475538.46, 3849075.56	8.69E-02	2.74E-05	1.16E-05	6.99E-02	2.21E-05	9.37E-06	4.28E-02	1.35E-05	7.77E-07	4.51E-02	1.42E-05	1.08E-06	1.19E-05	9.67E-06
5376	475751.79, 3849137.15	1.12E-01	3.53E-05	1.50E-05	9.50E-02	3.00E-05	1.27E-05	6.29E-02	1.98E-05	1.14E-06	6.67E-02	2.10E-05	1.60E-06	1.54E-05	1.32E-05
5377	476303.62, 3849223.38	1.03E-01	3.24E-05	1.37E-05	8.69E-02	2.74E-05	1.16E-05	5.73E-02	1.81E-05	1.04E-06	6.01E-02	1.90E-05	1.44E-06	1.41E-05	1.20E-05
5378	476304.51, 3849238.92	1.36E-01	4.29E-05	1.82E-05	1.18E-01	3.71E-05	1.57E-05	7.95E-02	2.51E-05	1.44E-06	8.34E-02	2.63E-05	2.00E-06	1.88E-05	1.63E-05
5379	476365.04, 3849247.98	1.23E-01	3.88E-05	1.65E-05	1.06E-01	3.33E-05	1.41E-05	7.09E-02	2.24E-05	1.29E-06	7.47E-02	2.36E-05	1.79E-06	1.70E-05	1.46E-05
5380	476444.86, 3849267.13	1.24E-01	3.90E-05	1.65E-05	1.06E-01	3.35E-05	1.42E-05	7.11E-02	2.24E-05	1.29E-06	7.54E-02	2.38E-05	1.81E-06	1.71E-05	1.47E-05
5381	476550.75, 3849300.66	1.41E-01	4.46E-05	1.89E-05	1.23E-01	3.89E-05	1.65E-05	8.46E-02	2.67E-05	1.54E-06	9.07E-02	2.86E-05	2.17E-06	1.96E-05	1.72E-05
5382	476656.71, 3849346.88	1.29E-01	4.07E-05	1.73E-05	1.10E-01	3.47E-05	1.47E-05	7.31E-02	2.31E-05	1.33E-06	7.77E-02	2.45E-05	1.86E-06	1.78E-05	1.53E-05
5383	476873.55, 3849454.53	1.33E-01	4.20E-05	1.78E-05	1.12E-01	3.54E-05	1.50E-05	7.31E-02	2.31E-05	1.33E-06	7.72E-02	2.44E-05	1.85E-06	1.84E-05	1.55E-05
5384	477700, 3849859.7	1.46E-01	4.61E-05	1.95E-05	1.18E-01	3.71E-05	1.57E-05	7.22E-02	2.28E-05	1.31E-06	7.44E-02	2.35E-05	1.78E-06	2.00E-05	1.62E-05
5385	477743.16, 3849856.38	1.14E-01	3.61E-05	1.53E-05	8.87E-02	2.80E-05	1.19E-05	5.12E-02	1.62E-05	9.29E-07	5.29E-02	1.67E-05	1.27E-06	1.56E-05	1.22E-05
5386	478477.35, 3850216.33	1.29E-01	4.09E-05	1.73E-05	9.76E-02	3.08E-05	1.31E-05	5.36E-02	1.69E-05	9.72E-07	5.42E-02	1.71E-05	1.30E-06	1.77E-05	1.34E-05
5387	478485.8, 3850201.6	1.06E-01	3.35E-05	1.42E-05	7.83E-02	2.47E-05	1.05E-05	4.12E-02	1.30E-05	7.48E-07	4.20E-02	1.32E-05	1.01E-06	1.45E-05	1.07E-05
5388	479113.21, 3850501.53	1.28E-01	4.05E-05	1.72E-05	8.69E-02	2.74E-05	1.16E-05	3.80E-02	1.20E-05	6.89E-07	3.84E-02	1.21E-05	9.19E-07	1.74E-05	1.19E-05
5389	479108.11, 3850382.28	5.55E-02	1.75E-05	7.43E-06	3.68E-02	1.16E-05	4.93E-06	1.52E-02	4.80E-06	2.76E-07	1.57E-02	4.96E-06	3.76E-07	7.53E-06	5.03E-06
5390	479689.85, 3850674.28	1.03E-01	3.26E-05	1.38E-05	6.05E-02	1.91E-05	8.10E-06	1.58E-02	5.00E-06	2.87E-07	1.62E-02	5.12E-06	3.89E-07	1.39E-05	8.20E-06
5391	479952.42, 3850774.28	7.50E-02	2.37E-05	1.00E-05	4.54E-02	1.43E-05	6.08E-06	1.37E-02	4.33E-06	2.49E-07	1.41E-02	4.45E-06	3.38E-07	1.01E-05	6.17E-06
5392	479911.32, 3850884.85	1.15E-01	3.64E-05	1.55E-05	7.92E-02	2.50E-05	1.06E-05	3.57E-02	1.13E-05	6.49E-07	3.58E-02	1.13E-05	8.58E-07	1.57E-05	1.08E-05
5393	480500.92, 3851178.12	1.09E-01	3.45E-05	1.46E-05	7.69E-02	2.43E-05	1.03E-05	3.67E-02	1.16E-05	6.66E-07	3.81E-02	1.20E-05	9.12E-07	1.49E-05	1.05E-05
5394	480738.01, 3851289.27	1.07E-01	3.39E-05	1.44E-05	7.44E-02	2.35E-05	9.96E-06	3.44E-02	1.08E-05	6.24E-07	3.62E-02	1.14E-05	8.67E-07	1.46E-05	1.02E-05
5395	481055.42, 3851443.58	1.08E-01	3.42E-05	1.45E-05	7.42E-02	2.34E-05	9.93E-06	3.32E-02	1.05E-05	6.03E-07	3.55E-02	1.12E-05	8.51E-07	1.48E-05	1.02E-05
5396	481110.22, 3851443.15	8.46E-02	2.67E-05	1.13E-05	5.74E-02	1.81E-05	7.68E-06	2.51E-02	7.93E-06	4.56E-07	2.68E-02	8.46E-06	6.42E-07	1.15E-05	7.87E-06

5397	481111.1, 3851417.45	6.70E-02	2.11E-05	8.97E-06	4.58E-02	1.45E-05	6.13E-06	2.04E-02	6.45E-06	3.71E-07	2.17E-02	6.85E-06	5.20E-07	9.12E-06	6.28E-06
5398	482248.44, 3852605.09	9.60E-02	3.03E-05	1.29E-05	7.16E-02	2.26E-05	9.59E-06	3.86E-02	1.22E-05	7.01E-07	4.03E-02	1.27E-05	9.64E-07	1.31E-05	9.86E-06
5399	482273.34, 3852632.31	9.73E-02	3.07E-05	1.30E-05	7.28E-02	2.30E-05	9.75E-06	3.94E-02	1.24E-05	7.15E-07	4.11E-02	1.30E-05	9.84E-07	1.33E-05	1.00E-05
5400	482665.46, 3853038.72	9.79E-02	3.09E-05	1.31E-05	6.78E-02	2.14E-05	9.07E-06	3.12E-02	9.84E-06	5.66E-07	3.32E-02	1.05E-05	7.96E-07	1.33E-05	9.30E-06
5401	483077.95, 3853844.31	1.14E-01	3.60E-05	1.53E-05	6.19E-02	1.95E-05	8.28E-06	9.74E-03	3.07E-06	1.77E-07	2.07E-02	6.55E-06	4.97E-07	1.56E-05	8.60E-06
5402	483121.38, 3853909.38	1.31E-01	4.14E-05	1.75E-05	6.93E-02	2.19E-05	9.28E-06	8.53E-03	2.69E-06	1.55E-07	1.92E-02	6.05E-06	4.59E-07	1.79E-05	9.58E-06
5403	483492.64, 3853911.49	8.56E-02	2.70E-05	1.15E-05	4.42E-02	1.39E-05	5.92E-06	3.93E-03	1.24E-06	7.13E-08	6.58E-03	2.08E-06	1.58E-07	1.15E-05	6.00E-06
5404	483498.29, 3854204.73	1.36E-01	4.29E-05	1.82E-05	6.89E-02	2.17E-05	9.22E-06	4.11E-03	1.30E-06	7.45E-08	2.14E-02	6.76E-06	5.13E-07	1.87E-05	9.66E-06
5405	484132.44, 3854662.55	1.60E-01	5.06E-05	2.14E-05	7.94E-02	2.51E-05	1.06E-05	2.25E-03	7.09E-07	4.08E-08	3.97E-02	1.25E-05	9.51E-07	2.24E-05	1.15E-05
5406	484627.62, 3854876.13	1.61E-01	5.07E-05	2.15E-05	7.96E-02	2.51E-05	1.07E-05	2.04E-03	6.43E-07	3.70E-08	3.50E-02	1.11E-05	8.39E-07	2.23E-05	1.15E-05
5407	484756.14, 3854949.04	1.58E-01	4.98E-05	2.11E-05	7.81E-02	2.47E-05	1.05E-05	2.05E-03	6.46E-07	3.71E-08	3.50E-02	1.11E-05	8.40E-07	2.19E-05	1.13E-05
5408	486697.51, 3856599.17	1.48E-01	4.66E-05	1.98E-05	7.35E-02	2.32E-05	9.84E-06	2.42E-03	7.65E-07	4.40E-08	1.26E-02	3.96E-06	3.01E-07	2.00E-05	1.01E-05
5409	487105.31, 3856962.27	1.61E-01	5.09E-05	2.16E-05	8.02E-02	2.53E-05	1.07E-05	2.72E-03	8.58E-07	4.94E-08	1.16E-02	3.66E-06	2.78E-07	2.18E-05	1.10E-05
5410	487157.57, 3856901.7	1.35E-01	4.26E-05	1.81E-05	6.73E-02	2.13E-05	9.02E-06	2.54E-03	8.03E-07	4.62E-08	8.70E-03	2.75E-06	2.08E-07	1.82E-05	9.18E-06
5411	487173.5, 3856853.74	1.21E-01	3.82E-05	1.62E-05	6.04E-02	1.91E-05	8.09E-06	2.45E-03	7.72E-07	4.44E-08	7.63E-03	2.41E-06	1.83E-07	1.63E-05	8.23E-06
5412	487564.41, 3856860.83	1.08E-01	3.40E-05	1.44E-05	5.38E-02	1.70E-05	7.20E-06	2.16E-03	6.82E-07	3.92E-08	4.58E-03	1.45E-06	1.10E-07	1.45E-05	7.27E-06
5413	487563.31, 3856931.58	1.30E-01	4.11E-05	1.74E-05	6.48E-02	2.05E-05	8.68E-06	2.26E-03	7.13E-07	4.10E-08	4.96E-03	1.57E-06	1.19E-07	1.75E-05	8.76E-06
5414	487782.7, 3856926.85	1.13E-01	3.57E-05	1.52E-05	5.64E-02	1.78E-05	7.56E-06	2.12E-03	6.68E-07	3.84E-08	3.99E-03	1.26E-06	9.57E-08	1.52E-05	7.62E-06
5415	487782.39, 3856757.07	7.94E-02	2.51E-05	1.06E-05	3.99E-02	1.26E-05	5.34E-06	1.93E-03	6.09E-07	3.50E-08	3.48E-03	1.10E-06	8.34E-08	1.07E-05	5.39E-06
5416	487917.26, 3856752.41	7.72E-02	2.44E-05	1.03E-05	3.88E-02	1.22E-05	5.19E-06	1.87E-03	5.91E-07	3.40E-08	3.17E-03	1.00E-06	7.61E-08	1.04E-05	5.24E-06
5417	487919.57, 3856953.35	1.07E-01	3.37E-05	1.43E-05	5.33E-02	1.68E-05	7.14E-06	2.08E-03	6.56E-07	3.77E-08	3.66E-03	1.15E-06	8.76E-08	1.44E-05	7.19E-06
5418	487932.76, 3857000.32	1.12E-01	3.53E-05	1.50E-05	5.58E-02	1.76E-05	7.48E-06	2.12E-03	6.68E-07	3.84E-08	3.76E-03	1.19E-06	9.02E-08	1.50E-05	7.53E-06
5419	487960.5, 3857044.75	1.15E-01	3.62E-05	1.53E-05	5.71E-02	1.80E-05	7.65E-06	2.15E-03	6.79E-07	3.90E-08	3.82E-03	1.21E-06	9.16E-08	1.54E-05	7.70E-06
5420	488016.54, 3857089.54	1.14E-01	3.58E-05	1.52E-05	5.66E-02	1.79E-05	7.59E-06	2.17E-03	6.85E-07	3.94E-08	3.79E-03	1.20E-06	9.09E-08	1.53E-05	7.64E-06
5421	488114.39, 3857165.47	1.10E-01	3.48E-05	1.48E-05	5.51E-02	1.74E-05	7.38E-06	2.21E-03	6.98E-07	4.02E-08	3.74E-03	1.18E-06	8.97E-08	1.48E-05	7.42E-06
5422	488171.49, 3857234.24	1.09E-01	3.42E-05	1.45E-05	5.43E-02	1.71E-05	7.27E-06	2.28E-03	7.19E-07	4.14E-08	3.79E-03	1.20E-06	9.07E-08	1.46E-05	7.32E-06
5423	488193.16, 3857297.8	1.08E-01	3.42E-05	1.45E-05	5.43E-02	1.71E-05	7.28E-06	2.37E-03	7.50E-07	4.31E-08	3.92E-03	1.24E-06	9.40E-08	1.46E-05	7.33E-06
5424	488189.27, 3857649.94	1.13E-01	3.58E-05	1.52E-05	5.73E-02	1.81E-05	7.67E-06	3.20E-03	1.01E-06	5.80E-08	5.79E-03	1.83E-06	1.39E-07	1.53E-05	7.75E-06
5425	488127.43, 3857732.32	1.23E-01	3.87E-05	1.64E-05	6.20E-02	1.96E-05	8.30E-06	3.56E-03	1.12E-06	6.46E-08	7.24E-03	2.29E-06	1.74E-07	1.65E-05	8.41E-06
5426	488149.93, 3857752.94	1.17E-01	3.69E-05	1.57E-05	5.93E-02	1.87E-05	7.94E-06	3.59E-03	1.13E-06	6.52E-08	7.22E-03	2.28E-06	1.73E-07	1.58E-05	8.04E-06
5427	488144.76, 3857758.71	1.18E-01	3.73E-05	1.58E-05	5.99E-02	1.89E-05	8.02E-06	3.62E-03	1.14E-06	6.57E-08	7.36E-03	2.32E-06	1.76E-07	1.59E-05	8.13E-06
5428	488335.58, 3857932.55	1.11E-01	3.49E-05	1.48E-05	5.65E-02	1.78E-05	7.57E-06	4.07E-03	1.28E-06	7.38E-08	7.30E-03	2.30E-06	1.75E-07	1.49E-05	7.67E-06
5429	488372.29, 3857943.79	1.07E-01	3.38E-05	1.43E-05	5.47E-02	1.73E-05	7.32E-06	4.04E-03	1.28E-06	7.33E-08	7.01E-03	2.21E-06	1.68E-07	1.44E-05	7.42E-06
5430	488828.64, 3857936.4	7.53E-02	2.38E-05	1.01E-05	3.87E-02	1.22E-05	5.18E-06	3.17E-03	1.00E-06	5.76E-08	4.12E-03	1.30E-06	9.87E-08	1.01E-05	5.22E-06
5431	488829.08, 3857959.58	7.73E-02	2.44E-05	1.04E-05	3.97E-02	1.25E-05	5.32E-06	3.24E-03	1.02E-06	5.88E-08	4.20E-03	1.33E-06	1.01E-07	1.04E-05	5.36E-06
5432	488351.61, 3857964.55	1.14E-01	3.61E-05	1.53E-05	5.84E-02	1.84E-05	7.82E-06	4.20E-03	1.33E-06	7.63E-08	7.54E-03	2.38E-06	1.81E-07	1.54E-05	7.92E-06
5433	488316.87, 3857947.65	1.17E-01	3.70E-05	1.57E-05	5.98E-02	1.89E-05	8.01E-06	4.19E-03	1.32E-06	7.61E-08	7.76E-03	2.45E-06	1.86E-07	1.58E-05	8.12E-06
5434	488129.1, 3857775.77	1.22E-01	3.86E-05	1.64E-05	6.20E-02	1.96E-05	8.30E-06	3.72E-03	1.17E-06	6.75E-08	7.82E-03	2.47E-06	1.87E-07	1.65E-05	8.42E-06
5435	488062.53, 3857846.13	1.67E-01	5.29E-05	2.24E-05	8.42E-02	2.66E-05	1.13E-05	4.22E-03	1.33E-06	7.66E-08	1.06E-02	3.36E-06	2.55E-07	2.26E-05	1.15E-05
5436	488330.41, 3858091.34	1.73E-01	5.45E-05	2.31E-05	8.73E-02	2.76E-05	1.17E-05	5.09E-03	1.61E-06	9.24E-08	1.03E-02	3.25E-06	2.47E-07	2.33E-05	1.19E-05
5437	488470.87, 3858174.45	1.59E-01	5.01E-05	2.13E-05	8.06E-02	2.55E-05	1.08E-05	5.26E-03	1.66E-06	9.55E-08	9.25E-03	2.92E-06	2.22E-07	2.14E-05	1.09E-05
5438	488568.9, 3858262.31	1.76E-01	5.56E-05	2.36E-05	8.94E-02	2.82E-05	1.20E-05	5.74E-03	1.81E-06	1.04E-07	9.45E-03	2.98E-06	2.26E-07	2.37E-05	1.21E-05
5439	488964.27, 3858025.71	9.89E-02	3.12E-05	1.33E-05	5.02E-02	1.59E-05	6.73E-06	3.23E-03	1.02E-06	5.86E-08	3.99E-03	1.26E-06	9.56E-08	1.33E-05	6.77E-06
5440	489147.25, 3857956.64	9.19E-02	2.90E-05	1.23E-05	4.65E-02	1.47E-05	6.23E-06	2.79E-03	8.81E-07	5.06E-08	3.31E-03	1.04E-06	7.92E-08	1.23E-05	6.26E-06
5441	489343.52, 3857932.45	9.70E-02	3.06E-05	1.30E-05	4.89E-02	1.54E-05	6.54E-06	2.53E-03	7.97E-07	4.58E-08	2.90E-03	9.14E-07	6.94E-08	1.30E-05	6.57E-06
5442	489866.19, 3857923.19	9.26E-02	2.92E-05	1.24E-05	4.64E-02	1.47E-05	6.22E-06	2.10E-03	6.64E-07	3.82E-08	2.27E-03	7.16E-07	5.44E-08	1.24E-05	6.23E-06
5443	489955.65, 3857902.27	8.51E-02	2.69E-05	1.14E-05	4.27E-02	1.35E-05	5.72E-06	2.02E-03	6.37E-07	3.66E-08	2.17E-03	6.84E-07	5.19E-08	1.14E-05	5.74E-06
5444	490079.44, 3857847.9	6.31E-02	1.99E-05	8.45E-06	3.19E-02	1.01E-05	4.28E-06	1.92E-03	6.05E-07	3.48E-08	2.05E-03	6.46E-07	4.90E-08	8.46E-06	4.29E-06
5445	490108.49, 3857934.13	7.33E-02	2.32E-05	9.82E-06	3.70E-02	1.17E-05	4.95E-06	1.98E-03	6.24E-07	3.59E-08	2.09E-03	6.60E-07	5.01E-08	9.84E-06	4.97E-06
5446	489884.48, 3858014.17	6.83E-02	2.15E-05	9.14E-06	3.47E-02	1.09E-05	4.64E-06	2.20E-03	6.95E-07	4.00E-08	2.35E-03	7.41E-07	5.63E-08	9.16E-06	4.66E-06
5447	489326.56, 3858025.86	9.02E-02	2.85E-05	1.21E-05	4.57E-02	1.44E-05	6.11E-06	2.72E-03	8.60E-07	4.95E-08	3.10E-03	9.78E-07	7.43E-08	1.21E-05	6.14E-06
5448	489130.38, 3858056.71	1.02E-01	3.22E-05	1.36E-05	5.16E-02	1.63E-05	6.91E-06	3.04E-03	9.60E-07	5.52E-08	3.59E-03	1.13E-06	8.61E-08	1.37E-05	6.94E-06
5449	488936.49, 3858143.93	1.14E-01	3.61E-05	1.53E-05	5.80E-02	1.83E-05	7.77E-06	3.69E-03	1.17E-06	6.71E-08	4.61E-03	1.45E-06	1.10E-07	1.54E-05	7.82E-06
5450	488638.08, 3858327.45	1.65E-01	5.21E-05	2.21E-05	8.43E-02	2.66E-05	1.13E-05	6.04E-03	1.91E-06	1.10E-07	9.47E-03	2.99E-06	2.27E-07	2.22E-05	1.14E-05
5451	488663.79, 3858349.57	1.60E-01	5.05E-05	2.14E-05	8.19E-02	2.59E-05	1.10E-05	6.13E-03	1.94E-06	1.11E-07	9.42E-03	2.97E-06	2.26E-07	2.16E-05	1.11E-05
5452	488694.56, 3858349.5	1.48E-01	4.67E-05	1.98E-05	7.59E-02	2.39E-05	1.02E-05	5.94E-03	1.87E-06	1.08E-07	8.81E-03	2.78E-06	2.11E-07	1.99E-05	1.03E-05
5453	488694.35, 3858336.75	1.45E-01	4.57E-05	1.94E-05	7.43E-02	2.34E-05	9.94E-06	5.80E-03	1.83E-06	1.05E-07	8.57E-03	2.71E-06	2.05E-07	1.95E-05	1.00E-05
5454	488712.81, 3858336.38	1.38E-01	4.35E-05	1.84E-05	7.07E-02	2.23E-05	9.47E-06	5.70E-03	1.80E-06	1.03E-07	8.26E-03	2.61E-06	1.98E-07	1.85E-05	9.56E-06
5455	488713.23, 3858367.46	1.44E-01	4.54E-05	1.93E-05	7.39E-02	2.33E-05	9.89E-06	6.03E-03	1.90E-06	1.09E-07	8.83E-03	2.79E-06	2.12E-07	1.94E-05	9.99E-06
5456	488704.63, 3858384.05	1.49E-01	4.69E-05	1.99E-05	7.65E-02	2.41E-05	1.02E-05	6.28E-03	1.98E-06	1.14E-07	9.35E-03	2.95E-06	2.24E-07	2.00E-05	1.03E-05
5457	488604.15, 3858488.29	1.67E-01	5.27E-05	2.24E-05	8.73E-02	2.75E-05	1.17E-05	9.26E-03	2.92E-06	1.68E-07	1.81E-02	5.70E-06	4.33E-07	2.26E-05	1.20E-05
5458	488605.66, 3858550.47	1.82E-01	5.73E-05	2.43E-05	9.58E-02	3.02E-05	1.28E-05	1.14E-02	3.60E-06	2.07E-07	2.54E-02	8.00E-06	6.07E-07	2.47E-05	1.32E-05
5459	488692.68, 3858548.71	1.65E-01	5.22E-05	2.21E-05	8.67E-02	2.74E-05	1.16E-05	9.63E-03	3.04E-06	1.75E-07	1.64E-02	5.17E-06	3.93E-07	2.24E-05	1.18E-05
5460	488759.93, 3858461.81	1.29E-01	4.07E-05	1.72E-05	6.72E-02	2.12E-05	8.99E-06	6.93E-03	2.19E-06	1.26E-07	9.99E-03	3.15E-06	2.39E-07	1.74E-05	9.11E-06
5461	488816.57, 3858541.79	1.57E-01	4.95E-05	2.10E-05	8.14E-02	2.57E-05	1.09E-05	7.79E-03	2.46E-06	1.41E-07	1.08E-02	3.41E-06	2.59E-07	2.11E-05	1.10E-05
5462	488944.63, 3858656.77	1.27E-01	4.02E-05	1.71E-05	6.77E-02	2.14E-05	9.06E-06	8.77E-03	2.77E-06	1.59E-07	1.09E-02	3.46E-06	2.62E-07	1.72E-05	9.17E-06
5463	489134.91, 3858830.7	1.10E-01	3.49E-05	1.48E-05	6.08E-02	1.92E-05	8.15E-06	1.09E-02	3.45E-06	1.98E-07	1.28E-02	4.03E-06	3.06E-07	1.49E-05	8.25E-06
5464	489193.99, 3858886.05	1.12E-01	3.53E-05	1.50E-05	6.22E-02	1.96E-05	8.33E-06	1.19E-02	3.76E-06	2.16E-07	1.36E-02	4.30E-06	3.26E-07	1.51E-05	8.44E-06
5465	489295.2, 3858954.34	1.13E-01	3.57E-05	1.51E-05	6.32E-02	1.99E-05	8.46E-06	1.26E-02	3.96E-06	2.28E-07	1.37E-02	4.32E-06	3.28E-07	1.52E-05	8.56E-06
5466	489295.64, 3858992.74	1.22E-01	3.85E-05	1.63E-05	6.90E-02	2.18E-05	9.24E-06	1.49E-02	4.71E-06	2.71E-07	1.63E-02	5.15E-06	3.91E-07	1.64E-05	9.36E-06
5467	489183.74, 3858911.72	1.15E-01	3.62E-05	1.54E-05	6.46E-02	2.04E-05	8.65E-06	1.36E-02	4.29E-06	2.47E-07	1.58E-02	4.97E-06	3.77E-07	1.55E-05	8.78E-06
5468	488873.37, 3858625.59	1.54E-01	4.86E-05	2.06E-05	8.07E-02	2.55E-05	1.08E-05	8.97E-03	2.83E-06	1.63E-07	1.19E-02	3.76E-06	2.86E-07	2.07E-05	1.09E-05
5469	488842.84, 3858658.69	1.57E-01	4.96E-05	2.10E-05	8.33E-02	2.63E-05	1.12E-05	1.05E-02	3.32E-06	1.91E-07	1.48E-02	4.66E-06	3.54E-07	2.12E-05	1.13E-05
5470	488856.39, 3858670.93	1.51E-01	4.77E-05	2.03E-05	8.05E-02	2.54E-05	1.08E-05	1.07E-02	3.37E-06	1.94E-07	1.48E-02	4.67E-06	3.55E-07	2.04E-05	1.09E-05
5471	488805.7, 3858724.5	1.67E-01	5.26E-05	2.23E-05	9.09E-02	2.87E-05	1.22E-05	1.50E-02	4.74E-06	2.73E-07	2.45E-02	7.73E-06	5.86E-07	2.26E-05	1.25E-05
5472	488805.87, 3858804.16	1.84E-01	5.82E-05	2.47E-05	1.06E-01	3.34E-05	1.42E-05	2.49E-02	7.86E-06	4.52E-07	5.51E-02	1.74E-05	1.32E-06	2.56E-05	1.50E-05
5473	488995.78, 3858936.96	1.84E-01	5.81E-05	2.46E-05	1.10E-01	3.48E-05	1.48E-05	3.22E-02	1.01E-05	5.84E-07	5.44E-02	1.72E-05	1.30E-06	2.54E-05	1.55E-05
5474	489130.76, 3859017.38	1.70E-01	5.38E-05	2.28E-05	1.05E-01	3.32E-05	1.41E-05	3.43E-02	1.08E-05	6.22E-07	4.54E-02	1.43E-05	1.09E-06	2.33E-05	1.45E-05
5475	489130.92, 3859052.24	1.93E-01	6.08E-05	2.58E-05	1.28E-01	4.04E-05	1.71E-05	5.28E-02	1.67E-05	9.59E-07	7.15E-02	2.26E-05	1.71E-06	2.66E-05	1.79E-05
5476	489200.33, 3859090.6	1.88E-01	5.93E-05	2.52E-05	1.26E-01	3.96E-05	1.68E-05	5.27E-02	1.66E-05	9.57E-07	6.49E-02	2.05E-05	1.56E-06	2.58E-05	1.74E-05
5477	489296.07, 3859143.7	1.88E-01	5.94E-05	2.52E-05	1.26E-01	3.96E-05	1.68E-05	5.26E-02	1.66E-05	9.54E-07	6.29E-02	1.98E-05	1.51E-06	2.57E-05	1.74E-05
5478	489296.43, 3858954.74	1.13E-01	3.57E-05	1.51E-05	6.31E-02	1.99E-05	8.45E-06	1.25E-02	3.96E-06	2.28E-07	1.37E-02	4.31E-06	3.27E-07	1.52E-05	8.55E-06
5479	489410.33, 3859033.19	1.30E-01	4.10E-05	1.74E-05	7.19E-02	2.27E-05	9.63E-06	1.34E-02	4.24E-06	2.44E-07	1.41E-02	4.47E-06	3.39E-07	1.75E-05	9.72E-06
5480	489371.37, 3859089.8	1.38E-01	4.34E-05	1.84E-05	8.03E-02	2.53E-05	1.07E-05	2.06E-02	6.50E-06	3.74E-07	2.24E-02	7.07E-06	5.37E-07	1.86E-05	1.09E-05
5481	489390.52, 3859102.82	1.40E-01	4.41E-05	1.87E-05	8.16E-02	2.57E-05	1.09E-05	2.09E-02	6.61E-06	3.80E-07	2.28E-02	7.18E-06	5.45E-07	1.89E-05	1.11E-05
5482	489382.3, 3859114.53	1.45E-01	4.59E-05	1.95E-05	8.60E-02	2.71E-05	1.15E-05	2.36E-02	7.44E-06	4.28E-07	2.59E-02	8.17E-06	6.20E-07	1.97E-05	1.17E-05
5483	489363.04, 3859102.45	1.42E-01	4.48E-05	1.90E-05	8.41E-02	2.65E-05	1.13E-05	2.33E-02	7.36E-06	4.23E-07	2.57E-02	8.10E-06	6.14E-07	1.92E-05	1.15E-05
5484	489337.52, 3859140.71	1.67E-01	5.26E-05	2.23E-05	1.06E-01	3.33E-05	1.41E-05	3.80E-02	1.20E-05	6.90E-07	4.37E-02	1.38E-05	1.05E-06	2.27E-05	1.45E-05
5485	489375.14, 3859164.55	1.77E-01	5.57E-05	2.37E-05	1.11E-01	3.52E-05	1.49E-05	3.95E-02	1.25E-05	7.17E-07	4.51E-02	1.42E-05	1.08E-06	2.40E-05	1.53E-05
5486	489409.3, 3859114.5	1.41E-01	4.44E-05	1.88E-05	8.22E-02	2.59E-05	1.10E-05	2.11E-02	6.67E-06	3.84E-07	2.29E-02	7.24E-06	5.49E-07	1.90E-05	1.12E-05

5487	489434.87, 3859131.81	1.48E-01	4.66E-05	1.98E-05	8.58E-02	2.71E-05	1.15E-05	2.16E-02	6.83E-06	3.93E-07	2.34E-02	7.39E-06	5.61E-07	1.99E-05	1.17E-05
5488	489471.87, 3859075.75	1.23E-01	3.87E-05	1.64E-05	6.86E-02	2.17E-05	9.19E-06	1.40E-02	4.40E-06	2.53E-07	1.47E-02	4.62E-06	3.51E-07	1.65E-05	9.29E-06
5489	489602.62, 3859164.69	1.38E-01	4.36E-05	1.85E-05	7.70E-02	2.43E-05	1.03E-05	1.51E-02	4.78E-06	2.75E-07	1.58E-02	4.99E-06	3.79E-07	1.86E-05	1.04E-05
5490	489558.29, 3859232.45	1.58E-01	5.00E-05	2.12E-05	9.52E-02	3.01E-05	1.28E-05	2.81E-02	8.87E-06	5.10E-07	3.00E-02	9.47E-06	7.19E-07	2.14E-05	1.30E-05
5491	489620.11, 3859273.56	1.66E-01	5.22E-05	2.22E-05	1.00E-01	3.16E-05	1.34E-05	3.01E-02	9.48E-06	5.46E-07	3.20E-02	1.01E-05	7.67E-07	2.24E-05	1.36E-05
5492	489666.06, 3859206.42	1.26E-01	3.97E-05	1.69E-05	7.14E-02	2.25E-05	9.56E-06	1.57E-02	4.96E-06	2.85E-07	1.64E-02	5.17E-06	3.92E-07	1.70E-05	9.67E-06
5493	489787.9, 3859285.65	1.37E-01	4.31E-05	1.83E-05	7.74E-02	2.44E-05	1.04E-05	1.68E-02	5.30E-06	3.05E-07	1.76E-02	5.55E-06	4.21E-07	1.84E-05	1.05E-05
5494	489752.17, 3859343.13	1.55E-01	4.88E-05	2.07E-05	9.42E-02	2.97E-05	1.26E-05	2.92E-02	9.22E-06	5.30E-07	3.12E-02	9.84E-06	7.47E-07	2.09E-05	1.28E-05
5495	489814.94, 3859385.33	1.62E-01	5.12E-05	2.17E-05	9.93E-02	3.14E-05	1.33E-05	3.15E-02	9.93E-06	5.71E-07	3.36E-02	1.06E-05	8.05E-07	2.20E-05	1.35E-05
5496	489853.42, 3859330.74	1.25E-01	3.94E-05	1.67E-05	7.23E-02	2.28E-05	9.68E-06	1.77E-02	5.59E-06	3.22E-07	1.86E-02	5.87E-06	4.46E-07	1.69E-05	9.80E-06
5497	489969.5, 3859401.91	1.45E-01	4.58E-05	1.94E-05	8.26E-02	2.61E-05	1.11E-05	1.86E-02	5.87E-06	3.37E-07	1.96E-02	6.17E-06	4.69E-07	1.96E-05	1.12E-05
5498	490166.91, 3859486.96	1.29E-01	4.08E-05	1.73E-05	7.39E-02	2.33E-05	9.90E-06	1.70E-02	5.36E-06	3.08E-07	1.77E-02	5.60E-06	4.25E-07	1.74E-05	1.00E-05
5499	490128.86, 3859571.46	1.55E-01	4.88E-05	2.07E-05	1.03E-01	3.24E-05	1.38E-05	4.25E-02	1.34E-05	7.72E-07	4.42E-02	1.39E-05	1.06E-06	2.10E-05	1.40E-05
5500	490186.65, 3859593.65	1.59E-01	5.02E-05	2.13E-05	1.05E-01	3.32E-05	1.41E-05	4.28E-02	1.35E-05	7.77E-07	4.48E-02	1.41E-05	1.07E-06	2.16E-05	1.44E-05
5501	490223.74, 3859517.48	1.19E-01	3.75E-05	1.59E-05	6.92E-02	2.18E-05	9.27E-06	1.77E-02	5.57E-06	3.21E-07	1.84E-02	5.81E-06	4.41E-07	1.60E-05	9.39E-06
5502	490846.34, 3859817.22	1.32E-01	4.17E-05	1.77E-05	8.09E-02	2.55E-05	1.08E-05	2.57E-02	8.11E-06	4.66E-07	2.82E-02	8.90E-06	6.75E-07	1.79E-05	1.10E-05
5503	490925.65, 3859844.59	1.29E-01	4.08E-05	1.73E-05	7.82E-02	2.47E-05	1.05E-05	2.38E-02	7.50E-06	4.31E-07	2.60E-02	8.22E-06	6.24E-07	1.75E-05	1.07E-05
5504	491159.29, 3859896.28	1.19E-01	3.74E-05	1.59E-05	6.85E-02	2.16E-05	9.17E-06	1.67E-02	5.26E-06	3.02E-07	1.74E-02	5.48E-06	4.16E-07	1.60E-05	9.29E-06
5505	491370.69, 3859960.89	1.03E-01	3.26E-05	1.38E-05	5.84E-02	1.84E-05	7.82E-06	1.27E-02	4.02E-06	2.31E-07	1.32E-02	4.16E-06	3.15E-07	1.39E-05	7.91E-06
5506	491330.28, 3860063.17	1.21E-01	3.82E-05	1.62E-05	7.43E-02	2.34E-05	9.95E-06	2.37E-02	7.49E-06	4.31E-07	2.41E-02	7.62E-06	5.79E-07	1.64E-05	1.01E-05
5507	491636.45, 3860180.75	9.60E-02	3.03E-05	1.29E-05	5.50E-02	1.74E-05	7.36E-06	1.27E-02	4.02E-06	2.31E-07	1.35E-02	4.27E-06	3.24E-07	1.30E-05	7.45E-06
5508	491617.94, 3860203.93	1.10E-01	3.47E-05	1.47E-05	6.30E-02	1.99E-05	8.44E-06	1.47E-02	4.64E-06	2.67E-07	1.57E-02	4.96E-06	3.77E-07	1.48E-05	8.55E-06
5509	491805.68, 3860271.59	8.06E-02	2.54E-05	1.08E-05	4.63E-02	1.46E-05	6.20E-06	1.10E-02	3.48E-06	2.00E-07	1.18E-02	3.74E-06	2.84E-07	1.09E-05	6.29E-06
5510	491654.23, 3860414.02	1.21E-01	3.81E-05	1.62E-05	9.56E-02	3.02E-05	1.28E-05	5.69E-02	1.80E-05	1.03E-06	6.47E-02	2.04E-05	1.55E-06	1.67E-05	1.33E-05
5511	491592.62, 3860510.76	3.13E-02	9.87E-06	4.19E-06	2.23E-02	7.04E-06	2.99E-06	1.10E-02	3.47E-06	2.00E-07	1.08E-02	3.40E-06	2.58E-07	4.24E-06	3.05E-06
5512	491475.41, 3860368.93	6.12E-02	1.93E-05	8.19E-06	4.17E-02	1.32E-05	5.59E-06	1.85E-02	5.84E-06	3.36E-07	1.80E-02	5.68E-06	4.31E-07	8.29E-06	5.68E-06
5513	491445.61, 3860337.28	6.62E-02	2.09E-05	8.86E-06	4.55E-02	1.44E-05	6.09E-06	2.06E-02	6.50E-06	3.74E-07	2.03E-02	6.39E-06	4.85E-07	8.97E-06	6.20E-06
5514	491399.05, 3860300.37	6.78E-02	2.14E-05	9.08E-06	4.65E-02	1.47E-05	6.23E-06	2.09E-02	6.61E-06	3.80E-07	2.11E-02	6.66E-06	5.06E-07	9.21E-06	6.36E-06
5515	491228.84, 3860235.98	5.00E-02	1.58E-05	6.70E-06	3.10E-02	9.78E-06	4.15E-06	1.03E-02	3.25E-06	1.87E-07	1.08E-02	3.42E-06	2.60E-07	6.77E-06	4.22E-06
5516	491228.47, 3860174.57	7.59E-02	2.39E-05	1.02E-05	4.96E-02	1.57E-05	6.64E-06	1.96E-02	6.19E-06	3.56E-07	2.13E-02	6.72E-06	5.10E-07	1.03E-05	6.80E-06
5517	491145.77, 3860112.55	7.29E-02	2.30E-05	9.77E-06	4.81E-02	1.52E-05	6.44E-06	1.95E-02	6.15E-06	3.53E-07	2.14E-02	6.75E-06	5.13E-07	9.93E-06	6.60E-06
5518	490844.41, 3859966.22	7.05E-02	2.23E-05	9.44E-06	4.60E-02	1.45E-05	6.16E-06	1.81E-02	5.72E-06	3.29E-07	1.76E-02	5.57E-06	4.23E-07	9.53E-06	6.26E-06
5519	490845.55, 3859928.15	1.10E-01	3.47E-05	1.47E-05	7.93E-02	2.50E-05	1.06E-05	4.01E-02	1.27E-05	7.28E-07	3.70E-02	1.17E-05	8.85E-07	1.49E-05	1.08E-05
5520	490046.91, 3859625.6	9.40E-02	2.97E-05	1.26E-05	6.30E-02	1.99E-05	8.44E-06	2.68E-02	8.45E-06	4.86E-07	2.80E-02	8.85E-06	6.72E-07	1.28E-05	8.63E-06
5521	489970.48, 3859589.4	9.79E-02	3.09E-05	1.31E-05	6.58E-02	2.08E-05	8.81E-06	2.81E-02	8.85E-06	5.09E-07	2.85E-02	8.99E-06	6.82E-07	1.33E-05	8.98E-06
5522	489865.89, 3859529.06	1.11E-01	3.51E-05	1.49E-05	7.39E-02	2.33E-05	9.89E-06	3.06E-02	9.67E-06	5.56E-07	3.06E-02	9.66E-06	7.33E-07	1.51E-05	1.01E-05
5523	489826.89, 3859531.74	8.94E-02	2.82E-05	1.20E-05	5.63E-02	1.78E-05	7.54E-06	1.98E-02	6.24E-06	3.59E-07	1.99E-02	6.28E-06	4.76E-07	1.21E-05	7.65E-06
5524	489410.47, 3859303.06	1.04E-01	3.29E-05	1.40E-05	6.34E-02	2.00E-05	8.50E-06	1.96E-02	6.18E-06	3.55E-07	1.87E-02	5.89E-06	4.47E-07	1.41E-05	8.59E-06
5525	489407.15, 3859286.09	1.17E-01	3.68E-05	1.56E-05	7.31E-02	2.31E-05	9.79E-06	2.53E-02	7.99E-06	4.60E-07	2.37E-02	7.49E-06	5.68E-07	1.57E-05	9.89E-06
5526	488806.07, 3858963.62	1.87E-01	5.90E-05	2.50E-05	1.05E-01	3.31E-05	1.41E-05	2.17E-02	6.86E-06	3.94E-07	1.05E-02	3.31E-06	2.51E-07	2.49E-05	1.39E-05
5527	488817.64, 3859546.3	1.52E-01	4.78E-05	2.03E-05	7.50E-02	2.37E-05	1.00E-05	1.90E-03	6.00E-07	3.45E-08	1.83E-03	5.77E-07	4.38E-08	2.03E-05	1.01E-05
5528	489187.25, 3859549.52	1.05E-01	3.31E-05	1.40E-05	5.28E-02	1.67E-05	7.07E-06	2.69E-03	8.50E-07	4.89E-08	2.66E-03	8.40E-07	6.38E-08	1.41E-05	7.09E-06
5529	489187.66, 3859523.74	9.18E-02	2.90E-05	1.23E-05	4.65E-02	1.47E-05	6.23E-06	2.86E-03	9.03E-07	5.19E-08	2.82E-03	8.90E-07	6.76E-08	1.23E-05	6.25E-06
5530	489232.59, 3859522.85	8.86E-02	2.80E-05	1.19E-05	4.51E-02	1.42E-05	6.04E-06	3.05E-03	9.63E-07	5.54E-08	3.01E-03	9.52E-07	7.22E-08	1.19E-05	6.05E-06
5531	489224.98, 3859759.91	8.05E-02	2.54E-05	1.08E-05	4.04E-02	1.28E-05	5.41E-06	1.92E-03	6.05E-07	3.48E-08	1.91E-03	6.04E-07	4.58E-08	1.08E-05	5.42E-06
5532	488401.39, 3859763.34	1.35E-01	4.26E-05	1.81E-05	6.65E-02	2.10E-05	8.90E-06	1.19E-03	3.74E-07	2.15E-08	1.14E-03	3.59E-07	2.72E-08	1.81E-05	8.90E-06
5533	488405.51, 3859966.16	1.46E-01	4.61E-05	1.96E-05	7.18E-02	2.27E-05	9.61E-06	1.04E-03	3.30E-07	1.90E-08	1.02E-03	3.21E-07	2.44E-08	1.96E-05	9.62E-06
5534	489202.85, 3859956.57	9.53E-02	3.01E-05	1.28E-05	4.74E-02	1.50E-05	6.34E-06	1.48E-03	4.68E-07	2.69E-08	1.48E-03	4.68E-07	3.55E-08	1.28E-05	6.35E-06
5535	489191.9, 3860676.74	5.16E-02	1.63E-05	6.91E-06	2.57E-02	8.11E-06	3.44E-06	8.65E-04	2.73E-07	1.57E-08	8.75E-04	2.76E-07	2.10E-08	6.92E-06	3.45E-06
5536	488392.82, 3860687.88	8.54E-02	2.69E-05	1.14E-05	4.20E-02	1.33E-05	5.63E-06	7.17E-04	2.26E-07	1.30E-08	7.08E-04	2.24E-07	1.70E-08	1.14E-05	5.63E-06
5537	488392.82, 3860760.27	3.92E-02	1.24E-05	5.25E-06	1.95E-02	6.16E-06	2.62E-06	6.97E-04	2.20E-07	1.27E-08	6.89E-04	2.17E-07	1.65E-08	5.25E-06	2.62E-06
5538	487549.05, 3860777.45	1.38E-02	4.35E-06	1.84E-06	7.08E-03	2.24E-06	9.49E-07	5.92E-04	1.87E-07	1.07E-08	5.76E-04	1.82E-07	1.38E-08	1.85E-06	9.52E-07
5539	487554.62, 3859571.83	9.00E-02	2.84E-05	1.21E-05	4.45E-02	1.40E-05	5.95E-06	9.98E-04	3.15E-07	1.81E-08	9.06E-04	2.86E-07	2.17E-08	1.21E-05	5.96E-06
5540	485949.46, 3859558.54	1.42E-02	4.49E-06	1.91E-06	7.37E-03	2.33E-06	9.87E-07	6.86E-04	2.17E-07	1.25E-08	6.20E-04	1.96E-07	1.49E-08	1.91E-06	9.89E-07
5541	485947.55, 3857943.61	4.96E-02	1.57E-05	6.64E-06	2.53E-02	7.99E-06	3.39E-06	1.80E-03	5.68E-07	3.26E-08	9.71E-04	3.07E-07	2.33E-08	6.63E-06	3.38E-06
5542	484738.38, 3857940.21	1.73E-02	5.46E-06	2.32E-06	9.01E-03	2.84E-06	1.21E-06	9.24E-04	2.92E-07	1.68E-08	6.81E-04	2.15E-07	1.63E-08	2.32E-06	1.21E-06
5543	484737.06, 3857535.68	2.41E-02	7.60E-06	3.22E-06	1.25E-02	3.93E-06	1.67E-06	1.16E-03	3.65E-07	2.10E-08	7.54E-04	2.38E-07	1.81E-08	3.22E-06	1.67E-06
5544	483730.2, 3857530.13	1.57E-02	4.95E-06	2.10E-06	8.14E-03	2.57E-06	1.09E-06	7.91E-04	2.50E-07	1.44E-08	6.07E-04	1.92E-07	1.45E-08	2.10E-06	1.09E-06
5545	483727.27, 3857130.01	3.03E-02	9.55E-06	4.05E-06	1.53E-02	4.84E-06	2.05E-06	9.24E-04	2.92E-07	1.68E-08	6.61E-04	2.09E-07	1.58E-08	4.05E-06	2.05E-06
5546	483124.42, 3857123.45	1.78E-02	5.61E-06	2.38E-06	9.14E-03	2.89E-06	1.22E-06	7.69E-04	2.43E-07	1.40E-08	5.96E-04	1.88E-07	1.43E-08	2.38E-06	1.22E-06
5547	483111.13, 3855921.03	7.71E-02	2.43E-05	1.03E-05	3.84E-02	1.21E-05	5.14E-06	1.31E-03	4.14E-07	2.38E-08	7.85E-04	2.48E-07	1.88E-08	1.03E-05	5.13E-06
5548	482701.73, 3855918.24	2.91E-02	9.17E-06	3.89E-06	1.48E-02	4.68E-06	1.99E-06	1.05E-03	3.32E-07	1.91E-08	7.21E-04	2.28E-07	1.73E-08	3.89E-06	1.98E-06
5549	482668.02, 3853521.78	5.59E-02	1.76E-05	7.48E-06	3.29E-02	1.04E-05	4.41E-06	8.86E-03	2.80E-06	1.61E-07	8.05E-03	2.54E-06	1.93E-07	7.51E-06	4.44E-06
5550	482579.91, 3853219.19	4.90E-02	1.55E-05	6.57E-06	3.08E-02	9.71E-06	4.12E-06	1.07E-02	3.37E-06	1.94E-07	1.12E-02	3.53E-06	2.68E-07	6.64E-06	4.19E-06
5551	482434.06, 3852961.94	4.98E-02	1.57E-05	6.68E-06	3.40E-02	1.07E-05	4.55E-06	1.51E-02	4.75E-06	2.73E-07	1.60E-02	5.04E-06	3.83E-07	6.78E-06	4.66E-06
5552	482332.11, 3852832.85	5.19E-02	1.64E-05	6.95E-06	3.79E-02	1.20E-05	5.07E-06	1.95E-02	6.17E-06	3.55E-07	2.08E-02	6.55E-06	4.97E-07	7.10E-06	5.22E-06
5553	481334.99, 3851818.96	4.25E-02	1.34E-05	5.69E-06	3.11E-02	9.81E-06	4.16E-06	1.61E-02	5.09E-06	2.93E-07	1.71E-02	5.39E-06	4.09E-07	5.80E-06	4.28E-06
5554	481127.62, 3851646.36	4.21E-02	1.33E-05	5.64E-06	2.95E-02	9.30E-06	3.94E-06	1.39E-02	4.38E-06	2.52E-07	1.45E-02	4.57E-06	3.47E-07	5.73E-06	4.04E-06
5555	481025.04, 3851591.73	3.92E-02	1.24E-05	5.25E-06	2.73E-02	8.60E-06	3.65E-06	1.27E-02	4.00E-06	2.30E-07	1.31E-02	4.15E-06	3.15E-07	5.33E-06	3.74E-06
5556	480513.6, 3851335.76	4.06E-02	1.28E-05	5.44E-06	2.81E-02	8.88E-06	3.77E-06	1.30E-02	4.09E-06	2.35E-07	1.37E-02	4.34E-06	3.29E-07	5.53E-06	3.86E-06
5557	480523.56, 3851317.66	5.28E-02	1.67E-05	7.07E-06	3.70E-02	1.17E-05	4.96E-06	1.75E-02	5.54E-06	3.18E-07	1.86E-02	5.88E-06	4.46E-07	7.20E-06	5.09E-06
5558	476921.56, 3849569.11	4.08E-02	1.29E-05	5.47E-06	2.98E-02	9.42E-06	4.00E-06	1.55E-02	4.88E-06	2.80E-07	1.62E-02	5.11E-06	3.88E-07	5.57E-06	4.10E-06
5559	476521.19, 3849373.96	4.80E-02	1.52E-05	6.43E-06	3.54E-02	1.12E-05	4.74E-06	1.86E-02	5.87E-06	3.38E-07	1.94E-02	6.11E-06	4.64E-07	6.56E-06	4.86E-06
5560	476391.45, 3849333.38	4.96E-02	1.57E-05	6.64E-06	3.70E-02	1.17E-05	4.95E-06	1.99E-02	6.27E-06	3.61E-07	2.08E-02	6.56E-06	4.98E-07	6.78E-06	5.09E-06
5561	476219.41, 3849304.29	4.45E-02	1.40E-05	5.96E-06	3.28E-02	1.04E-05	4.40E-06	1.73E-02	5.47E-06	3.15E-07	1.82E-02	5.75E-06	4.36E-07	6.08E-06	4.52E-06
5562	475679.11, 3849218.47	4.00E-02	1.26E-05	5.35E-06	2.85E-02	9.01E-06	3.82E-06	1.41E-02	4.44E-06	2.56E-07	1.47E-02	4.64E-06	3.52E-07	5.45E-06	3.92E-06
5563	475677.71, 3849233.88	3.19E-02	1.01E-05	4.27E-06	2.28E-02	7.20E-06	3.05E-06	1.13E-02	3.56E-06	2.05E-07	1.18E-02	3.72E-06	2.82E-07	4.35E-06	3.13E-06
5564	475492.74, 3849204.66	2.45E-02	7.73E-06	3.28E-06	1.70E-02	5.37E-06	2.28E-06	7.86E-03	2.48E-06	1.43E-07	8.25E-03	2.60E-06	1.98E-07	3.34E-06	2.33E-06
5565	475497.64, 3849158.75	6.15E-02	1.94E-05	8.24E-06	4.19E-02	1.32E-05	5.61E-06	1.85E-02	5.84E-06	3.36E-07	1.94E-02	6.12E-06	4.64E-07	8.37E-06	5.74E-06
5566	475391.35, 3849141.94	3.85E-02	1.21E-05	5.15E-06	2.78E-02	8.78E-06	3.73E-06	1.41E-02	4.46E-06	2.56E-07	1.48E-02	4.66E-06	3.54E-07	5.25E-06	3.82E-06
5567	475277, 3849095.47	3.66E-02	1.16E-05	4.90E-06	2.66E-02	8.40E-06	3.56E-06	1.36E-02	4.30E-06	2.47E-07	1.43E-02	4.50E-06	3.42E-07	4.99E-06	3.66E-06
5568	475183.93, 3849025.66	4.48E-02	1.41E-05	6.00E-06	3.33E-02	1.05E-05	4.46E-06	1.78E-02	5.61E-06	3.23E-07	1.87E-02	5.89E-06	4.47E-07	6.13E-06	4.58E-06
5569	474453.23, 3848378.77	4.62E-02	1.46E-05	6.19E-06	3.89E-02	1.23E-05	5.21E-06	2.54E-02	8.01E-06	4.61E-07	2.66E-02	8.41E-06	6.38E-07	6.37E-06	5.39E-06
5570	474569.63, 3848399.34	8.23E-02	2.60E-05	1.10E-05	7.53E-02	2.38E-05	1.01E-05	5.46E-02	1.72E-05	9.92E-07	5.74E-02	1.81E-05	1.37E-06	1.14E-05	1.05E-05
5571	474644.33, 3848464.52	8.47E-02	2.67E-05	1.13E-05	7.70E-02	2.43E-05	1.03E-05	5.54E-02	1.75E-05	1.01E-06	5.82E-02	1.84E-05	1.39E-06	1.17E-05	1.07E-05
5572	474719.04, 3848529.7	8.72E-02	2.75E-05	1.17E-05	7.89E-02	2.49E-05	1.06E-05	5.66E-02	1.78E-05	1.03E-06	5.94E-02	1.87E-05	1.42E-06	1.21E-05	1.10E-05
5573	474793.74, 3848594.88	8.93E-02	2.82E-05	1.20E-05	8.06E-02	2.55E-05	1.08E-05	5.76E-02	1.82E-05	1.04E-06	6.04E-02	1.91E-05	1.45E-06	1.24E-05	1.12E-05
5574	474868.45, 3848660.07	9.09E-02	2.87E-05	1.22E-05	8.16E-02	2.58E-05	1.09E-05	5.79E-02	1.83E-05	1.05E-06	6.07E-02	1.92E-05	1.45E-06	1.26E-05	1.13E-05
5575	474943.15, 3848725.25	9.34E-02	2.95E-05	1.25E-05	8.35E-02	2.64E-05	1.12E-05	5.89E-02	1.86E-05	1.07E-06	6.18E-02	1.95E-05	1.48E-06	1.29E-05	1.16E-05
5576	475017.86, 3848790.43	9.72E-02	3.07E-05	1.30E-05	8.66E-02	2.73E-05	1.16E-05	6.09E-02	1.92E-05	1.11E-06	6.38E-02	2.02E-05	1.53E-06	1.34E-05	1.20E-05

5577	475092.56, 3848855.61	1.00E-01	3.17E-05	1.34E-05	8.90E-02	2.81E-05	1.19E-05	6.22E-02	1.96E-05	1.13E-06	6.52E-02	2.06E-05	1.56E-06	1.39E-05	1.23E-05
5578	475232.58, 3848959.38	9.41E-02	2.97E-05	1.26E-05	7.96E-02	2.51E-05	1.07E-05	5.24E-02	1.65E-05	9.51E-07	5.50E-02	1.73E-05	1.32E-06	1.30E-05	1.10E-05
5579	475368.47, 3849029.98	9.98E-02	3.15E-05	1.34E-05	8.36E-02	2.64E-05	1.12E-05	5.43E-02	1.71E-05	9.85E-07	5.74E-02	1.81E-05	1.37E-06	1.38E-05	1.16E-05
5580	475609.57, 3849096.09	9.02E-02	2.85E-05	1.21E-05	7.31E-02	2.31E-05	9.79E-06	4.52E-02	1.43E-05	8.20E-07	4.76E-02	1.50E-05	1.14E-06	1.24E-05	1.01E-05
5581	475680.68, 3849116.62	9.71E-02	3.07E-05	1.30E-05	8.08E-02	2.55E-05	1.08E-05	5.19E-02	1.64E-05	9.42E-07	5.50E-02	1.74E-05	1.32E-06	1.34E-05	1.12E-05
5582	475843.76, 3849151.52	1.11E-01	3.52E-05	1.49E-05	9.56E-02	3.02E-05	1.28E-05	6.41E-02	2.02E-05	1.16E-06	6.77E-02	2.14E-05	1.62E-06	1.54E-05	1.33E-05
5583	475935.73, 3849165.89	1.04E-01	3.30E-05	1.40E-05	8.89E-02	2.81E-05	1.19E-05	5.90E-02	1.86E-05	1.07E-06	6.21E-02	1.96E-05	1.49E-06	1.44E-05	1.23E-05
5584	476027.7, 3849180.26	1.05E-01	3.31E-05	1.40E-05	8.91E-02	2.81E-05	1.19E-05	5.90E-02	1.86E-05	1.07E-06	6.20E-02	1.96E-05	1.48E-06	1.45E-05	1.23E-05
5585	476119.68, 3849194.64	1.10E-01	3.48E-05	1.48E-05	9.34E-02	2.95E-05	1.25E-05	6.17E-02	1.95E-05	1.12E-06	6.47E-02	2.04E-05	1.55E-06	1.52E-05	1.29E-05
5586	476211.65, 3849209.01	1.10E-01	3.48E-05	1.48E-05	9.30E-02	2.94E-05	1.25E-05	6.10E-02	1.93E-05	1.11E-06	6.38E-02	2.01E-05	1.53E-06	1.52E-05	1.29E-05
5587	476497.8, 3849283.9	1.35E-01	4.25E-05	1.80E-05	1.17E-01	3.68E-05	1.56E-05	7.92E-02	2.50E-05	1.44E-06	8.45E-02	2.67E-05	2.02E-06	1.86E-05	1.62E-05
5588	476603.73, 3849323.77	1.36E-01	4.28E-05	1.81E-05	1.17E-01	3.69E-05	1.57E-05	7.89E-02	2.49E-05	1.43E-06	8.40E-02	2.65E-05	2.01E-06	1.87E-05	1.62E-05
5589	476728.99, 3849382.76	1.30E-01	4.10E-05	1.74E-05	1.10E-01	3.48E-05	1.48E-05	7.28E-02	2.30E-05	1.32E-06	7.72E-02	2.44E-05	1.85E-06	1.79E-05	1.53E-05
5590	476801.27, 3849418.65	1.31E-01	4.14E-05	1.76E-05	1.11E-01	3.50E-05	1.48E-05	7.27E-02	2.30E-05	1.32E-06	7.69E-02	2.43E-05	1.84E-06	1.81E-05	1.54E-05
5591	476956.2, 3849495.05	1.34E-01	4.22E-05	1.79E-05	1.12E-01	3.54E-05	1.50E-05	7.28E-02	2.30E-05	1.32E-06	7.66E-02	2.42E-05	1.83E-06	1.84E-05	1.55E-05
5592	477038.84, 3849535.56	1.36E-01	4.30E-05	1.83E-05	1.14E-01	3.60E-05	1.53E-05	7.38E-02	2.33E-05	1.34E-06	7.74E-02	2.44E-05	1.85E-06	1.88E-05	1.58E-05
5593	477121.48, 3849576.08	1.37E-01	4.33E-05	1.84E-05	1.14E-01	3.60E-05	1.53E-05	7.35E-02	2.32E-05	1.33E-06	7.69E-02	2.43E-05	1.84E-06	1.89E-05	1.58E-05
5594	477204.13, 3849616.6	1.39E-01	4.39E-05	1.86E-05	1.15E-01	3.64E-05	1.55E-05	7.39E-02	2.33E-05	1.34E-06	7.71E-02	2.43E-05	1.85E-06	1.91E-05	1.60E-05
5595	477286.78, 3849657.12	1.35E-01	4.27E-05	1.81E-05	1.11E-01	3.49E-05	1.48E-05	6.95E-02	2.19E-05	1.26E-06	7.22E-02	2.28E-05	1.73E-06	1.86E-05	1.53E-05
5596	477369.42, 3849697.63	1.41E-01	4.45E-05	1.89E-05	1.16E-01	3.67E-05	1.56E-05	7.39E-02	2.33E-05	1.34E-06	7.68E-02	2.42E-05	1.84E-06	1.94E-05	1.61E-05
5597	477452.07, 3849738.15	1.42E-01	4.48E-05	1.90E-05	1.17E-01	3.69E-05	1.56E-05	7.39E-02	2.33E-05	1.34E-06	7.64E-02	2.41E-05	1.83E-06	1.95E-05	1.61E-05
5598	477534.71, 3849778.67	1.45E-01	4.59E-05	1.95E-05	1.20E-01	3.78E-05	1.61E-05	7.61E-02	2.40E-05	1.38E-06	7.87E-02	2.48E-05	1.88E-06	2.00E-05	1.66E-05
5599	477617.35, 3849819.18	1.46E-01	4.61E-05	1.96E-05	1.20E-01	3.79E-05	1.61E-05	7.59E-02	2.39E-05	1.38E-06	7.82E-02	2.47E-05	1.87E-06	2.01E-05	1.66E-05
5600	477824.74, 3849896.37	1.20E-01	3.77E-05	1.60E-05	9.04E-02	2.85E-05	1.21E-05	4.98E-02	1.57E-05	9.05E-07	5.15E-02	1.63E-05	1.23E-06	1.63E-05	1.24E-05
5601	477906.31, 3849936.37	1.23E-01	3.89E-05	1.65E-05	9.31E-02	2.94E-05	1.25E-05	5.14E-02	1.62E-05	9.32E-07	5.27E-02	1.66E-05	1.26E-06	1.68E-05	1.28E-05
5602	477987.89, 3849976.36	1.23E-01	3.89E-05	1.65E-05	9.32E-02	2.94E-05	1.25E-05	5.14E-02	1.62E-05	9.34E-07	5.29E-02	1.67E-05	1.27E-06	1.68E-05	1.28E-05
5603	478069.47, 3850016.36	1.24E-01	3.92E-05	1.66E-05	9.40E-02	2.97E-05	1.26E-05	5.20E-02	1.64E-05	9.44E-07	5.32E-02	1.68E-05	1.28E-06	1.70E-05	1.29E-05
5604	478151.04, 3850056.35	1.25E-01	3.93E-05	1.67E-05	9.44E-02	2.98E-05	1.26E-05	5.23E-02	1.65E-05	9.49E-07	5.34E-02	1.68E-05	1.28E-06	1.70E-05	1.30E-05
5605	478232.62, 3850096.35	1.25E-01	3.95E-05	1.68E-05	9.50E-02	3.00E-05	1.27E-05	5.28E-02	1.67E-05	9.59E-07	5.38E-02	1.70E-05	1.29E-06	1.71E-05	1.31E-05
5606	478314.2, 3850136.34	1.25E-01	3.95E-05	1.68E-05	9.52E-02	3.00E-05	1.27E-05	5.30E-02	1.67E-05	9.62E-07	5.39E-02	1.70E-05	1.29E-06	1.71E-05	1.31E-05
5607	478395.77, 3850176.34	1.26E-01	3.96E-05	1.68E-05	9.54E-02	3.01E-05	1.28E-05	5.31E-02	1.68E-05	9.65E-07	5.39E-02	1.70E-05	1.29E-06	1.71E-05	1.31E-05
5608	478575.43, 3850244.45	1.12E-01	3.53E-05	1.50E-05	8.07E-02	2.55E-05	1.08E-05	4.06E-02	1.28E-05	7.37E-07	4.13E-02	1.30E-05	9.90E-07	1.52E-05	1.11E-05
5609	478665.06, 3850287.29	1.13E-01	3.56E-05	1.51E-05	8.08E-02	2.55E-05	1.08E-05	4.02E-02	1.27E-05	7.30E-07	4.08E-02	1.29E-05	9.78E-07	1.53E-05	1.11E-05
5610	478754.69, 3850330.14	1.13E-01	3.56E-05	1.51E-05	8.06E-02	2.54E-05	1.08E-05	3.97E-02	1.25E-05	7.21E-07	4.03E-02	1.27E-05	9.65E-07	1.54E-05	1.10E-05
5611	478844.32, 3850372.99	1.13E-01	3.56E-05	1.51E-05	8.01E-02	2.53E-05	1.07E-05	3.90E-02	1.23E-05	7.07E-07	3.95E-02	1.25E-05	9.45E-07	1.54E-05	1.10E-05
5612	478933.95, 3850415.84	1.13E-01	3.57E-05	1.52E-05	7.97E-02	2.51E-05	1.07E-05	3.80E-02	1.20E-05	6.90E-07	3.85E-02	1.22E-05	9.23E-07	1.54E-05	1.09E-05
5613	479023.58, 3850458.68	1.18E-01	3.73E-05	1.58E-05	8.23E-02	2.60E-05	1.10E-05	3.85E-02	1.21E-05	6.99E-07	3.89E-02	1.23E-05	9.31E-07	1.61E-05	1.13E-05
5614	479110.66, 3850441.9	8.56E-02	2.70E-05	1.15E-05	5.57E-02	1.76E-05	7.46E-06	2.18E-02	6.89E-06	3.96E-07	2.24E-02	7.06E-06	5.36E-07	1.16E-05	7.60E-06
5615	479191.22, 3850423.99	7.56E-02	2.39E-05	1.01E-05	4.67E-02	1.47E-05	6.25E-06	1.53E-02	4.83E-06	2.78E-07	1.58E-02	4.99E-06	3.79E-07	1.02E-05	6.36E-06
5616	479274.32, 3850465.71	9.08E-02	2.87E-05	1.22E-05	5.42E-02	1.71E-05	7.26E-06	1.55E-02	4.89E-06	2.81E-07	1.60E-02	5.04E-06	3.82E-07	1.23E-05	7.36E-06
5617	479357.43, 3850507.42	9.72E-02	3.07E-05	1.30E-05	5.74E-02	1.81E-05	7.68E-06	1.56E-02	4.93E-06	2.84E-07	1.61E-02	5.08E-06	3.85E-07	1.31E-05	7.79E-06
5618	479440.53, 3850549.14	1.00E-01	3.16E-05	1.34E-05	5.88E-02	1.86E-05	7.88E-06	1.56E-02	4.93E-06	2.83E-07	1.60E-02	5.06E-06	3.84E-07	1.35E-05	7.98E-06
5619	479523.64, 3850590.85	1.02E-01	3.21E-05	1.36E-05	5.96E-02	1.88E-05	7.98E-06	1.56E-02	4.94E-06	2.84E-07	1.61E-02	5.07E-06	3.85E-07	1.37E-05	8.08E-06
5620	479606.74, 3850632.57	1.03E-01	3.24E-05	1.38E-05	6.02E-02	1.90E-05	8.06E-06	1.58E-02	4.98E-06	2.86E-07	1.62E-02	5.10E-06	3.87E-07	1.39E-05	8.16E-06
5621	479777.37, 3850707.61	9.65E-02	3.04E-05	1.29E-05	5.66E-02	1.79E-05	7.59E-06	1.50E-02	4.74E-06	2.72E-07	1.54E-02	4.86E-06	3.69E-07	1.30E-05	7.68E-06
5622	479864.9, 3850740.95	8.74E-02	2.76E-05	1.17E-05	5.18E-02	1.63E-05	6.94E-06	1.43E-02	4.53E-06	2.60E-07	1.47E-02	4.65E-06	3.53E-07	1.18E-05	7.03E-06
5623	479931.87, 3850829.56	9.36E-02	2.95E-05	1.25E-05	5.84E-02	1.84E-05	7.82E-06	1.99E-02	6.28E-06	3.61E-07	2.03E-02	6.41E-06	4.86E-07	1.27E-05	7.95E-06
5624	479995.55, 3850926.75	1.11E-01	3.49E-05	1.48E-05	7.70E-02	2.43E-05	1.03E-05	3.58E-02	1.13E-05	6.50E-07	3.61E-02	1.14E-05	8.65E-07	1.50E-05	1.05E-05
5625	480079.78, 3850968.64	1.09E-01	3.44E-05	1.46E-05	7.60E-02	2.40E-05	1.02E-05	3.57E-02	1.13E-05	6.48E-07	3.62E-02	1.14E-05	8.67E-07	1.48E-05	1.04E-05
5626	480164.01, 3851010.54	1.08E-01	3.41E-05	1.45E-05	7.57E-02	2.39E-05	1.01E-05	3.57E-02	1.13E-05	6.47E-07	3.64E-02	1.15E-05	8.73E-07	1.47E-05	1.04E-05
5627	480248.23, 3851052.43	1.07E-01	3.39E-05	1.44E-05	7.52E-02	2.37E-05	1.01E-05	3.54E-02	1.12E-05	6.43E-07	3.64E-02	1.15E-05	8.73E-07	1.46E-05	1.03E-05
5628	480332.46, 3851094.33	1.08E-01	3.40E-05	1.44E-05	7.55E-02	2.38E-05	1.01E-05	3.58E-02	1.13E-05	6.49E-07	3.69E-02	1.17E-05	8.84E-07	1.47E-05	1.03E-05
5629	480416.69, 3851136.22	1.09E-01	3.43E-05	1.46E-05	7.65E-02	2.41E-05	1.02E-05	3.64E-02	1.15E-05	6.61E-07	3.77E-02	1.19E-05	9.03E-07	1.48E-05	1.05E-05
5630	480579.95, 3851215.17	1.08E-01	3.41E-05	1.45E-05	7.58E-02	2.39E-05	1.01E-05	3.59E-02	1.13E-05	6.52E-07	3.74E-02	1.18E-05	8.97E-07	1.47E-05	1.04E-05
5631	480658.98, 3851252.22	1.07E-01	3.39E-05	1.44E-05	7.49E-02	2.36E-05	1.00E-05	3.51E-02	1.11E-05	6.37E-07	3.68E-02	1.16E-05	8.81E-07	1.46E-05	1.03E-05
5632	480817.36, 3851327.85	1.08E-01	3.40E-05	1.44E-05	7.45E-02	2.35E-05	9.98E-06	3.41E-02	1.08E-05	6.20E-07	3.61E-02	1.14E-05	8.64E-07	1.47E-05	1.02E-05
5633	480896.71, 3851366.42	1.08E-01	3.40E-05	1.44E-05	7.43E-02	2.34E-05	9.95E-06	3.39E-02	1.07E-05	6.15E-07	3.60E-02	1.13E-05	8.61E-07	1.47E-05	1.02E-05
5634	480976.07, 3851405	1.07E-01	3.39E-05	1.44E-05	7.39E-02	2.33E-05	9.90E-06	3.36E-02	1.06E-05	6.10E-07	3.58E-02	1.13E-05	8.58E-07	1.46E-05	1.02E-05
5635	481178, 3851487.31	9.21E-02	2.91E-05	1.23E-05	6.23E-02	1.97E-05	8.34E-06	2.70E-02	8.53E-06	4.91E-07	2.88E-02	9.09E-06	6.90E-07	1.25E-05	8.54E-06
5636	481244.9, 3851557.17	9.83E-02	3.10E-05	1.32E-05	6.96E-02	2.20E-05	9.33E-06	3.37E-02	1.06E-05	6.12E-07	3.55E-02	1.12E-05	8.50E-07	1.34E-05	9.56E-06
5637	481311.81, 3851627.03	1.00E-01	3.16E-05	1.34E-05	7.37E-02	2.32E-05	9.86E-06	3.87E-02	1.22E-05	7.03E-07	4.05E-02	1.28E-05	9.70E-07	1.37E-05	1.01E-05
5638	481378.71, 3851696.89	9.46E-02	2.99E-05	1.27E-05	7.01E-02	2.21E-05	9.38E-06	3.72E-02	1.18E-05	6.76E-07	3.88E-02	1.22E-05	9.30E-07	1.29E-05	9.64E-06
5639	481445.61, 3851766.76	9.12E-02	2.88E-05	1.22E-05	6.82E-02	2.15E-05	9.13E-06	3.68E-02	1.16E-05	6.68E-07	3.84E-02	1.21E-05	9.19E-07	1.25E-05	9.38E-06
5640	481512.51, 3851836.62	9.00E-02	2.84E-05	1.21E-05	6.76E-02	2.13E-05	9.05E-06	3.68E-02	1.16E-05	6.67E-07	3.83E-02	1.21E-05	9.18E-07	1.23E-05	9.30E-06
5641	481579.42, 3851906.48	8.97E-02	2.83E-05	1.20E-05	6.72E-02	2.12E-05	9.00E-06	3.65E-02	1.15E-05	6.63E-07	3.81E-02	1.20E-05	9.12E-07	1.23E-05	9.25E-06
5642	481646.32, 3851976.34	9.03E-02	2.85E-05	1.21E-05	6.77E-02	2.14E-05	9.07E-06	3.68E-02	1.16E-05	6.69E-07	3.84E-02	1.21E-05	9.20E-07	1.23E-05	9.32E-06
5643	481713.22, 3852046.2	9.02E-02	2.85E-05	1.21E-05	6.75E-02	2.13E-05	9.04E-06	3.66E-02	1.15E-05	6.64E-07	3.81E-02	1.20E-05	9.14E-07	1.23E-05	9.29E-06
5644	481780.12, 3852116.06	9.09E-02	2.87E-05	1.22E-05	6.81E-02	2.15E-05	9.11E-06	3.69E-02	1.16E-05	6.70E-07	3.85E-02	1.21E-05	9.21E-07	1.24E-05	9.37E-06
5645	481847.03, 3852185.92	9.19E-02	2.90E-05	1.23E-05	6.89E-02	2.17E-05	9.23E-06	3.74E-02	1.18E-05	6.79E-07	3.90E-02	1.23E-05	9.34E-07	1.26E-05	9.48E-06
5646	481913.93, 3852255.78	9.27E-02	2.93E-05	1.24E-05	6.94E-02	2.19E-05	9.30E-06	3.77E-02	1.19E-05	6.84E-07	3.93E-02	1.24E-05	9.41E-07	1.27E-05	9.55E-06
5647	481980.83, 3852325.65	9.37E-02	2.96E-05	1.25E-05	7.02E-02	2.22E-05	9.40E-06	3.81E-02	1.20E-05	6.92E-07	3.97E-02	1.25E-05	9.52E-07	1.28E-05	9.66E-06
5648	482047.73, 3852395.51	9.42E-02	2.97E-05	1.26E-05	7.05E-02	2.23E-05	9.44E-06	3.82E-02	1.21E-05	6.94E-07	3.99E-02	1.26E-05	9.55E-07	1.29E-05	9.70E-06
5649	482114.64, 3852465.37	9.46E-02	2.99E-05	1.27E-05	7.07E-02	2.23E-05	9.47E-06	3.82E-02	1.21E-05	6.94E-07	3.99E-02	1.26E-05	9.56E-07	1.29E-05	9.73E-06
5650	482181.54, 3852535.23	9.57E-02	3.02E-05	1.28E-05	7.16E-02	2.26E-05	9.59E-06	3.88E-02	1.22E-05	7.04E-07	4.04E-02	1.28E-05	9.69E-07	1.31E-05	9.85E-06
5651	482338.69, 3852700.04	9.80E-02	3.09E-05	1.31E-05	7.33E-02	2.31E-05	9.82E-06	3.97E-02	1.25E-05	7.20E-07	4.13E-02	1.30E-05	9.90E-07	1.34E-05	1.01E-05
5652	482404.05, 3852767.78	9.84E-02	3.11E-05	1.32E-05	7.33E-02	2.31E-05	9.82E-06	3.94E-02	1.24E-05	7.15E-07	4.11E-02	1.30E-05	9.84E-07	1.34E-05	1.01E-05
5653	482469.4, 3852835.52	9.99E-02	3.15E-05	1.34E-05	7.42E-02	2.34E-05	9.94E-06	3.96E-02	1.25E-05	7.19E-07	4.13E-02	1.30E-05	9.89E-07	1.36E-05	1.02E-05
5654	482534.75, 3852903.25	1.03E-01	3.25E-05	1.38E-05	7.56E-02	2.39E-05	1.01E-05	3.96E-02	1.25E-05	7.19E-07	4.12E-02	1.30E-05	9.87E-07	1.40E-05	1.04E-05
5655	482600.11, 3852970.99	1.05E-01	3.33E-05	1.41E-05	7.63E-02	2.41E-05	1.02E-05	3.86E-02	1.22E-05	7.01E-07	4.04E-02	1.27E-05	9.68E-07	1.44E-05	1.05E-05
5656	482706.71, 3853119.28	9.91E-02	3.13E-05	1.33E-05	6.84E-02	2.16E-05	9.16E-06	3.13E-02	9.87E-06	5.68E-07	3.31E-02	1.04E-05	7.92E-07	1.35E-05	9.39E-06
5657	482747.96, 3853199.84	1.01E-01	3.19E-05	1.35E-05	6.96E-02	2.20E-05	9.32E-06	3.17E-02	1.00E-05	5.76E-07	3.35E-02	1.06E-05	8.02E-07	1.37E-05	9.55E-06
5658	482789.21, 3853280.4	1.01E-01	3.20E-05	1.36E-05	6.87E-02	2.17E-05	9.19E-06	3.00E-02	9.46E-06	5.44E-07	3.20E-02	1.01E-05	7.67E-07	1.38E-05	9.42E-06
5659	482830.46, 3853360.96	9.91E-02	3.13E-05	1.33E-05	6.46E-02	2.04E-05	8.65E-06	2.53E-02	7.98E-06	4.59E-07	2.87E-02	9.05E-06	6.87E-07	1.35E-05	8.87E-06
5660	482871.71, 3853441.52	9.86E-02	3.11E-05	1.32E-05	6.20E-02	1.96E-05	8.31E-06	2.17E-02	6.85E-06	3.94E-07	2.59E-02	8.17E-06	6.20E-07	1.34E-05	8.53E-06
5661	482912.95, 3853522.07	9.98E-02	3.15E-05	1.34E-05	6.08E-02	1.92E-05	8.14E-06	1.89E-02	5.98E-06	3.44E-07	2.43E-02	7.67E-06	5.82E-07	1.36E-05	8.38E-06
5662	482954.2, 3853602.63	1.01E-01	3.18E-05	1.35E-05	5.90E-02	1.86E-05	7.90E-06	1.56E-02	4.92E-06	2.83E-07	2.32E-02	7.31E-06	5.55E-07	1.37E-05	8.18E-06
5663	482995.45, 3853683.19	1.03E-01	3.24E-05	1.38E-05	5.84E-02	1.84E-05	7.82E-06	1.30E-02	4.11E-06	2.37E-07	2.22E-02	7.02E-06	5.32E-07	1.41E-05	8.12E-06
5664	483036.7, 3853763.75	1.06E-01	3.36E-05	1.43E-05	5.90E-02	1.86E-05	7.91E-06	1.12E-02	3.53E-06	2.03E-07	2.14E-02	6.77E-06	5.14E-07	1.46E-05	8.22E-06
5665	483214.2, 3853909.91	1.17E-01	3.70E-05	1.57E-05	6.11E-02	1.93E-05	8.19E-06	6.28E-03	1.98E-06	1.14E-07	1.20E-02	3.78E-06	2.87E-07	1.59E-05	8.36E-06
5666	483307.01, 3853910.44	1.09E-01	3.45E-05	1.46E-05	5.65E-02	1.78E-05	7.57E-06	5.23E-03	1.65E-06	9.49E-08	9.29E-03	2.93E-06	2.23E-07	1.47E-05	7.70E-06

5667	483399.83, 3853910.96	1.01E-01	3.19E-05	1.35E-05	5.21E-02	1.64E-05	6.98E-06	4.45E-03	1.40E-06	8.08E-08	7.62E-03	2.41E-06	1.83E-07	1.36E-05	7.08E-06
5668	483494.52, 3854009.24	1.14E-01	3.61E-05	1.53E-05	5.82E-02	1.84E-05	7.79E-06	3.99E-03	1.26E-06	7.25E-08	8.43E-03	2.66E-06	2.02E-07	1.54E-05	7.92E-06
5669	483496.41, 3854106.98	1.22E-01	3.84E-05	1.63E-05	6.18E-02	1.95E-05	8.28E-06	4.08E-03	1.29E-06	7.41E-08	1.24E-02	3.90E-06	2.96E-07	1.65E-05	8.50E-06
5670	483577.56, 3854261.96	1.30E-01	4.09E-05	1.74E-05	6.55E-02	2.07E-05	8.77E-06	3.67E-03	1.16E-06	6.65E-08	2.29E-02	7.22E-06	5.48E-07	1.78E-05	9.25E-06
5671	483656.83, 3854319.19	1.33E-01	4.19E-05	1.78E-05	6.67E-02	2.11E-05	8.93E-06	3.30E-03	1.04E-06	5.99E-08	2.44E-02	7.69E-06	5.84E-07	1.83E-05	9.46E-06
5672	483736.1, 3854376.41	1.35E-01	4.28E-05	1.81E-05	6.79E-02	2.14E-05	9.09E-06	3.01E-03	9.49E-07	5.46E-08	2.59E-02	8.17E-06	6.20E-07	1.87E-05	9.65E-06
5673	483815.36, 3854433.64	1.39E-01	4.39E-05	1.86E-05	6.94E-02	2.19E-05	9.30E-06	2.77E-03	8.75E-07	5.03E-08	2.78E-02	8.78E-06	6.66E-07	1.92E-05	9.91E-06
5674	483894.63, 3854490.87	1.43E-01	4.52E-05	1.92E-05	7.14E-02	2.25E-05	9.56E-06	2.58E-03	8.14E-07	4.68E-08	3.00E-02	9.47E-06	7.19E-07	1.99E-05	1.02E-05
5675	483973.9, 3854548.09	1.49E-01	4.69E-05	1.99E-05	7.39E-02	2.33E-05	9.89E-06	2.43E-03	7.66E-07	4.41E-08	3.22E-02	1.02E-05	7.72E-07	2.06E-05	1.06E-05
5676	484053.17, 3854605.32	1.54E-01	4.86E-05	2.06E-05	7.64E-02	2.41E-05	1.02E-05	2.34E-03	7.38E-07	4.24E-08	3.57E-02	1.13E-05	8.54E-07	2.14E-05	1.10E-05
5677	484214.97, 3854698.15	1.56E-01	4.91E-05	2.08E-05	7.71E-02	2.43E-05	1.03E-05	2.19E-03	6.92E-07	3.98E-08	3.68E-02	1.16E-05	8.82E-07	2.17E-05	1.12E-05
5678	484297.5, 3854733.74	1.55E-01	4.89E-05	2.08E-05	7.69E-02	2.43E-05	1.03E-05	2.17E-03	6.84E-07	3.93E-08	3.74E-02	1.18E-05	8.97E-07	2.16E-05	1.12E-05
5679	484380.03, 3854769.34	1.58E-01	4.98E-05	2.12E-05	7.82E-02	2.47E-05	1.05E-05	2.11E-03	6.66E-07	3.83E-08	3.68E-02	1.16E-05	8.81E-07	2.20E-05	1.13E-05
5680	484462.56, 3854804.94	1.60E-01	5.04E-05	2.14E-05	7.92E-02	2.50E-05	1.06E-05	2.10E-03	6.62E-07	3.80E-08	3.66E-02	1.15E-05	8.76E-07	2.22E-05	1.14E-05
5681	484545.09, 3854840.53	1.62E-01	5.11E-05	2.17E-05	8.01E-02	2.53E-05	1.07E-05	2.04E-03	6.45E-07	3.71E-08	3.51E-02	1.11E-05	8.42E-07	2.25E-05	1.15E-05
5682	484691.88, 3854912.58	1.62E-01	5.11E-05	2.17E-05	8.02E-02	2.53E-05	1.07E-05	2.04E-03	6.45E-07	3.71E-08	3.69E-02	1.17E-05	8.85E-07	2.25E-05	1.16E-05
5683	484830.81, 3855012.51	1.59E-01	5.03E-05	2.13E-05	7.89E-02	2.49E-05	1.06E-05	2.07E-03	6.55E-07	3.76E-08	3.12E-02	9.85E-06	7.48E-07	2.20E-05	1.13E-05
5684	484905.48, 3855075.97	1.58E-01	5.00E-05	2.12E-05	7.85E-02	2.48E-05	1.05E-05	2.15E-03	6.80E-07	3.91E-08	2.88E-02	9.10E-06	6.91E-07	2.19E-05	1.12E-05
5685	484980.14, 3855139.44	1.58E-01	4.99E-05	2.12E-05	7.83E-02	2.47E-05	1.05E-05	2.20E-03	6.94E-07	3.99E-08	2.73E-02	8.62E-06	6.54E-07	2.18E-05	1.11E-05
5686	485054.81, 3855202.91	1.57E-01	4.95E-05	2.10E-05	7.78E-02	2.46E-05	1.04E-05	2.22E-03	6.99E-07	4.02E-08	2.58E-02	8.14E-06	6.18E-07	2.16E-05	1.10E-05
5687	485129.48, 3855266.37	1.57E-01	4.97E-05	2.11E-05	7.80E-02	2.46E-05	1.04E-05	2.19E-03	6.91E-07	3.98E-08	2.39E-02	7.55E-06	5.73E-07	2.16E-05	1.10E-05
5688	485204.15, 3855329.84	1.57E-01	4.96E-05	2.10E-05	7.79E-02	2.46E-05	1.04E-05	2.24E-03	7.08E-07	4.07E-08	2.36E-02	7.44E-06	5.64E-07	2.16E-05	1.10E-05
5689	485278.82, 3855393.31	1.56E-01	4.94E-05	2.09E-05	7.76E-02	2.45E-05	1.04E-05	2.25E-03	7.10E-07	4.09E-08	2.24E-02	7.07E-06	5.36E-07	2.14E-05	1.09E-05
5690	485353.48, 3855456.77	1.56E-01	4.93E-05	2.09E-05	7.75E-02	2.45E-05	1.04E-05	2.28E-03	7.21E-07	4.15E-08	2.15E-02	6.80E-06	5.16E-07	2.14E-05	1.09E-05
5691	485428.15, 3855520.24	1.55E-01	4.89E-05	2.07E-05	7.69E-02	2.43E-05	1.03E-05	2.29E-03	7.24E-07	4.16E-08	2.05E-02	6.47E-06	4.91E-07	2.12E-05	1.07E-05
5692	485502.82, 3855583.71	1.56E-01	4.93E-05	2.09E-05	7.75E-02	2.45E-05	1.04E-05	2.31E-03	7.29E-07	4.19E-08	1.97E-02	6.21E-06	4.71E-07	2.13E-05	1.08E-05
5693	485577.49, 3855647.17	1.54E-01	4.85E-05	2.06E-05	7.62E-02	2.41E-05	1.02E-05	2.36E-03	7.45E-07	4.28E-08	1.92E-02	6.05E-06	4.60E-07	2.10E-05	1.06E-05
5694	485652.16, 3855710.64	1.54E-01	4.87E-05	2.07E-05	7.66E-02	2.42E-05	1.03E-05	2.41E-03	7.60E-07	4.37E-08	1.87E-02	5.89E-06	4.47E-07	2.11E-05	1.07E-05
5695	485726.83, 3855774.1	1.52E-01	4.81E-05	2.04E-05	7.57E-02	2.39E-05	1.01E-05	2.42E-03	7.65E-07	4.40E-08	1.79E-02	5.65E-06	4.29E-07	2.08E-05	1.05E-05
5696	485801.49, 3855837.57	1.53E-01	4.83E-05	2.05E-05	7.60E-02	2.40E-05	1.02E-05	2.42E-03	7.63E-07	4.39E-08	1.71E-02	5.40E-06	4.10E-07	2.08E-05	1.05E-05
5697	485876.16, 3855901.04	1.52E-01	4.79E-05	2.03E-05	7.55E-02	2.38E-05	1.01E-05	2.43E-03	7.67E-07	4.41E-08	1.66E-02	5.24E-06	3.97E-07	2.07E-05	1.05E-05
5698	485950.83, 3855964.5	1.52E-01	4.81E-05	2.04E-05	7.57E-02	2.39E-05	1.01E-05	2.43E-03	7.66E-07	4.40E-08	1.61E-02	5.07E-06	3.85E-07	2.07E-05	1.05E-05
5699	486025.5, 3856027.97	1.52E-01	4.79E-05	2.03E-05	7.55E-02	2.38E-05	1.01E-05	2.40E-03	7.58E-07	4.36E-08	1.54E-02	4.87E-06	3.69E-07	2.07E-05	1.04E-05
5700	486100.17, 3856091.44	1.51E-01	4.77E-05	2.02E-05	7.51E-02	2.37E-05	1.01E-05	2.46E-03	7.78E-07	4.47E-08	1.54E-02	4.85E-06	3.68E-07	2.05E-05	1.04E-05
5701	486174.83, 3856154.9	1.51E-01	4.76E-05	2.02E-05	7.50E-02	2.37E-05	1.00E-05	2.43E-03	7.66E-07	4.41E-08	1.46E-02	4.61E-06	3.50E-07	2.05E-05	1.03E-05
5702	486249.5, 3856218.37	1.52E-01	4.81E-05	2.04E-05	7.57E-02	2.39E-05	1.01E-05	2.34E-03	7.40E-07	4.25E-08	1.37E-02	4.33E-06	3.28E-07	2.07E-05	1.04E-05
5703	486324.17, 3856281.84	1.53E-01	4.84E-05	2.05E-05	7.61E-02	2.40E-05	1.02E-05	2.29E-03	7.22E-07	4.15E-08	1.33E-02	4.20E-06	3.19E-07	2.08E-05	1.05E-05
5704	486398.84, 3856345.3	1.52E-01	4.81E-05	2.04E-05	7.56E-02	2.39E-05	1.01E-05	2.31E-03	7.30E-07	4.20E-08	1.34E-02	4.24E-06	3.22E-07	2.07E-05	1.04E-05
5705	486473.51, 3856408.77	1.52E-01	4.78E-05	2.03E-05	7.53E-02	2.38E-05	1.01E-05	2.32E-03	7.32E-07	4.21E-08	1.32E-02	4.16E-06	3.16E-07	2.06E-05	1.04E-05
5706	486548.17, 3856472.24	1.50E-01	4.75E-05	2.01E-05	7.47E-02	2.36E-05	1.00E-05	2.35E-03	7.42E-07	4.27E-08	1.31E-02	4.13E-06	3.13E-07	2.04E-05	1.03E-05
5707	486622.84, 3856535.7	1.51E-01	4.76E-05	2.02E-05	7.49E-02	2.36E-05	1.00E-05	2.38E-03	7.53E-07	4.33E-08	1.29E-02	4.07E-06	3.09E-07	2.04E-05	1.03E-05
5708	486765.48, 3856659.69	1.47E-01	4.65E-05	1.97E-05	7.33E-02	2.31E-05	9.82E-06	2.48E-03	7.83E-07	4.50E-08	1.23E-02	3.89E-06	2.95E-07	2.00E-05	1.01E-05
5709	486833.44, 3856720.2	1.51E-01	4.75E-05	2.02E-05	7.49E-02	2.36E-05	1.00E-05	2.52E-03	7.95E-07	4.57E-08	1.22E-02	3.84E-06	2.91E-07	2.04E-05	1.03E-05
5710	486901.41, 3856780.72	1.51E-01	4.75E-05	2.02E-05	7.50E-02	2.37E-05	1.00E-05	2.57E-03	8.12E-07	4.67E-08	1.20E-02	3.78E-06	2.87E-07	2.04E-05	1.03E-05
5711	486969.38, 3856841.24	1.51E-01	4.78E-05	2.03E-05	7.54E-02	2.38E-05	1.01E-05	2.62E-03	8.27E-07	4.75E-08	1.18E-02	3.74E-06	2.84E-07	2.05E-05	1.03E-05
5712	487037.34, 3856901.75	1.54E-01	4.86E-05	2.06E-05	7.67E-02	2.42E-05	1.03E-05	2.67E-03	8.41E-07	4.84E-08	1.17E-02	3.70E-06	2.81E-07	2.09E-05	1.05E-05
5713	487271.23, 3856855.51	1.23E-01	3.89E-05	1.65E-05	6.15E-02	1.94E-05	8.23E-06	2.36E-03	7.45E-07	4.29E-08	6.51E-03	2.06E-06	1.56E-07	1.66E-05	8.34E-06
5714	487368.95, 3856857.29	1.22E-01	3.84E-05	1.63E-05	6.06E-02	1.91E-05	8.12E-06	2.29E-03	7.21E-07	4.15E-08	5.70E-03	1.80E-06	1.36E-07	1.64E-05	8.21E-06
5715	487466.68, 3856859.06	1.17E-01	3.68E-05	1.56E-05	5.83E-02	1.84E-05	7.80E-06	2.22E-03	7.02E-07	4.04E-08	5.07E-03	1.60E-06	1.21E-07	1.57E-05	7.88E-06
5716	487636.44, 3856930	1.23E-01	3.87E-05	1.64E-05	6.11E-02	1.93E-05	8.18E-06	2.20E-03	6.96E-07	4.00E-08	4.59E-03	1.45E-06	1.10E-07	1.65E-05	8.25E-06
5717	487709.57, 3856928.43	1.17E-01	3.69E-05	1.56E-05	5.82E-02	1.84E-05	7.80E-06	2.16E-03	6.82E-07	3.92E-08	4.27E-03	1.35E-06	1.02E-07	1.57E-05	7.86E-06
5718	487782.55, 3856841.96	9.18E-02	2.90E-05	1.23E-05	4.60E-02	1.45E-05	6.16E-06	2.02E-03	6.36E-07	3.66E-08	3.72E-03	1.17E-06	8.91E-08	1.24E-05	6.21E-06
5719	487849.83, 3856754.74	8.06E-02	2.54E-05	1.08E-05	4.05E-02	1.28E-05	5.42E-06	1.90E-03	5.99E-07	3.44E-08	3.32E-03	1.05E-06	7.95E-08	1.08E-05	5.46E-06
5720	487918.03, 3856819.39	8.97E-02	2.83E-05	1.20E-05	4.49E-02	1.42E-05	6.02E-06	1.94E-03	6.12E-07	3.52E-08	3.32E-03	1.05E-06	7.95E-08	1.21E-05	6.06E-06
5721	487918.8, 3856886.37	9.72E-02	3.07E-05	1.30E-05	4.86E-02	1.53E-05	6.51E-06	2.01E-03	6.34E-07	3.65E-08	3.48E-03	1.10E-06	8.33E-08	1.31E-05	6.55E-06
5722	488065.46, 3857127.5	1.12E-01	3.54E-05	1.50E-05	5.60E-02	1.77E-05	7.50E-06	2.19E-03	6.92E-07	3.98E-08	3.77E-03	1.19E-06	9.03E-08	1.51E-05	7.55E-06
5723	488192.19, 3857385.83	1.10E-01	3.49E-05	1.48E-05	5.54E-02	1.75E-05	7.42E-06	2.53E-03	7.99E-07	4.60E-08	4.26E-03	1.34E-06	1.02E-07	1.48E-05	7.47E-06
5724	488191.21, 3857473.87	1.12E-01	3.54E-05	1.50E-05	5.63E-02	1.78E-05	7.54E-06	2.72E-03	8.59E-07	4.94E-08	4.66E-03	1.47E-06	1.12E-07	1.51E-05	7.60E-06
5725	488190.24, 3857561.9	1.14E-01	3.59E-05	1.52E-05	5.73E-02	1.81E-05	7.68E-06	2.94E-03	9.29E-07	5.34E-08	5.15E-03	1.63E-06	1.23E-07	1.53E-05	7.75E-06
5726	488158.35, 3857691.13	1.17E-01	3.70E-05	1.57E-05	5.93E-02	1.87E-05	7.94E-06	3.37E-03	1.06E-06	6.12E-08	6.43E-03	2.03E-06	1.54E-07	1.58E-05	8.03E-06
5727	488208.37, 3857816.66	1.11E-01	3.52E-05	1.49E-05	5.67E-02	1.79E-05	7.59E-06	3.77E-03	1.19E-06	6.85E-08	7.34E-03	2.32E-06	1.76E-07	1.50E-05	7.70E-06
5728	488271.97, 3857874.6	1.11E-01	3.49E-05	1.48E-05	5.63E-02	1.78E-05	7.54E-06	3.91E-03	1.23E-06	7.09E-08	7.31E-03	2.31E-06	1.75E-07	1.49E-05	7.65E-06
5729	488463.56, 3857942.31	9.59E-02	3.03E-05	1.28E-05	4.92E-02	1.55E-05	6.58E-06	3.83E-03	1.21E-06	6.96E-08	6.11E-03	1.93E-06	1.46E-07	1.29E-05	6.66E-06
5730	488554.83, 3857940.83	8.82E-02	2.78E-05	1.18E-05	4.53E-02	1.43E-05	6.06E-06	3.64E-03	1.15E-06	6.61E-08	5.43E-03	1.71E-06	1.30E-07	1.19E-05	6.13E-06
5731	488646.1, 3857939.36	8.25E-02	2.60E-05	1.10E-05	4.24E-02	1.34E-05	5.68E-06	3.47E-03	1.10E-06	6.30E-08	4.90E-03	1.55E-06	1.17E-07	1.11E-05	5.73E-06
5732	488737.37, 3857937.88	7.82E-02	2.47E-05	1.05E-05	4.02E-02	1.27E-05	5.39E-06	3.31E-03	1.05E-06	6.02E-08	4.47E-03	1.41E-06	1.07E-07	1.05E-05	5.43E-06
5733	488733.59, 3857960.57	8.02E-02	2.53E-05	1.07E-05	4.12E-02	1.30E-05	5.52E-06	3.39E-03	1.07E-06	6.16E-08	4.59E-03	1.45E-06	1.10E-07	1.08E-05	5.57E-06
5734	488638.09, 3857961.57	8.47E-02	2.67E-05	1.13E-05	4.36E-02	1.37E-05	5.83E-06	3.57E-03	1.13E-06	6.47E-08	5.06E-03	1.60E-06	1.21E-07	1.14E-05	5.89E-06
5735	488542.6, 3857962.56	9.12E-02	2.88E-05	1.22E-05	4.68E-02	1.48E-05	6.27E-06	3.76E-03	1.19E-06	6.82E-08	5.67E-03	1.79E-06	1.36E-07	1.23E-05	6.34E-06
5736	488447.1, 3857963.56	1.00E-01	3.17E-05	1.34E-05	5.14E-02	1.62E-05	6.88E-06	3.97E-03	1.25E-06	7.20E-08	6.46E-03	2.04E-06	1.55E-07	1.35E-05	6.97E-06
5737	488254.28, 3857890.36	1.17E-01	3.69E-05	1.56E-05	5.95E-02	1.88E-05	7.96E-06	4.03E-03	1.27E-06	7.31E-08	7.77E-03	2.45E-06	1.86E-07	1.58E-05	8.08E-06
5738	488191.69, 3857833.06	1.17E-01	3.70E-05	1.57E-05	5.96E-02	1.88E-05	7.98E-06	3.88E-03	1.22E-06	7.04E-08	7.80E-03	2.46E-06	1.87E-07	1.58E-05	8.09E-06
5739	488129.5, 3857907.43	1.68E-01	5.31E-05	2.25E-05	8.47E-02	2.67E-05	1.13E-05	4.45E-03	1.41E-06	8.08E-08	1.06E-02	3.35E-06	2.55E-07	2.27E-05	1.15E-05
5740	488196.47, 3857968.73	1.69E-01	5.34E-05	2.26E-05	8.53E-02	2.69E-05	1.14E-05	4.66E-03	1.47E-06	8.46E-08	1.06E-02	3.33E-06	2.53E-07	2.28E-05	1.16E-05
5741	488263.44, 3858030.04	1.71E-01	5.38E-05	2.28E-05	8.61E-02	2.72E-05	1.15E-05	4.87E-03	1.54E-06	8.85E-08	1.04E-02	3.30E-06	2.50E-07	2.30E-05	1.17E-05
5742	488400.64, 3858132.9	1.65E-01	5.21E-05	2.21E-05	8.36E-02	2.64E-05	1.12E-05	5.18E-03	1.63E-06	9.40E-08	9.73E-03	3.07E-06	2.33E-07	2.22E-05	1.13E-05
5743	488519.89, 3858218.38	1.65E-01	5.21E-05	2.21E-05	8.40E-02	2.65E-05	1.12E-05	5.54E-03	1.75E-06	1.01E-07	9.44E-03	2.98E-06	2.26E-07	2.23E-05	1.14E-05
5744	488647.97, 3858214.99	1.41E-01	4.45E-05	1.89E-05	7.19E-02	2.27E-05	9.63E-06	4.94E-03	1.56E-06	8.97E-08	7.32E-03	2.31E-06	1.75E-07	1.90E-05	9.71E-06
5745	488727.05, 3858167.67	1.24E-01	3.91E-05	1.66E-05	6.32E-02	1.99E-05	8.46E-06	4.36E-03	1.37E-06	7.91E-08	6.02E-03	1.90E-06	1.44E-07	1.67E-05	8.52E-06
5746	488806.12, 3858120.35	1.13E-01	3.57E-05	1.52E-05	5.76E-02	1.82E-05	7.72E-06	3.90E-03	1.23E-06	7.07E-08	5.14E-03	1.62E-06	1.23E-07	1.52E-05	7.77E-06
5747	488885.2, 3858073.03	1.06E-01	3.33E-05	1.41E-05	5.36E-02	1.69E-05	7.18E-06	3.53E-03	1.11E-06	6.41E-08	4.49E-03	1.42E-06	1.08E-07	1.42E-05	7.23E-06
5748	489055.76, 3857991.17	9.71E-02	3.06E-05	1.30E-05	4.92E-02	1.55E-05	6.59E-06	2.99E-03	9.44E-07	5.43E-08	3.61E-03	1.14E-06	8.65E-08	1.30E-05	6.62E-06
5749	489245.39, 3857944.54	9.79E-02	3.09E-05	1.31E-05	4.94E-02	1.56E-05	6.61E-06	2.64E-03	8.34E-07	4.79E-08	3.08E-03	9.72E-07	7.37E-08	1.31E-05	6.64E-06
5750	489430.63, 3857930.91	9.99E-02	3.15E-05	1.34E-05	5.02E-02	1.58E-05	6.72E-06	2.44E-03	7.71E-07	4.43E-08	2.76E-03	8.72E-07	6.62E-08	1.34E-05	6.74E-06
5751	489517.74, 3857929.36	9.95E-02	3.14E-05	1.33E-05	5.00E-02	1.58E-05	6.69E-06	2.37E-03	7.47E-07	4.29E-08	2.65E-03	8.35E-07	6.34E-08	1.33E-05	6.71E-06
5752	489604.85, 3857927.82	9.80E-02	3.09E-05	1.31E-05	4.92E-02	1.55E-05	6.59E-06	2.29E-03	7.23E-07	4.16E-08	2.54E-03	8.01E-07	6.08E-08	1.31E-05	6.61E-06
5753	489691.97, 3857926.28	9.60E-02	3.03E-05	1.29E-05	4.82E-02	1.52E-05	6.45E-06	2.22E-03	7.02E-07	4.04E-08	2.44E-03	7.70E-07	5.85E-08	1.29E-05	6.47E-06
5754	489779.08, 3857924.73	9.38E-02	2.96E-05	1.26E-05	4.71E-02	1.49E-05	6.30E-06	2.16E-03	6.82E-07	3.92E-08	2.35E-03	7.42E-07	5.63E-08	1.26E-05	6.32E-06
5755	490017.55, 3857875.08	7.68E-02	2.42E-05	1.03E-05	3.86E-02	1.22E-05	5.17E-06	1.96E-03	6.17E-07	3.55E-08	2.10E-03	6.62E-07	5.02E-08	1.03E-05	5.19E-06
5756	490033.82, 3857960.81	7.56E-02	2.39E-05	1.01E-05	3.81E-02	1.20E-05	5.11E-06	2.05E-03	6.46E-07	3.72E-08	2.17E-03	6.84E-07	5.19E-08	1.01E-05	5.12E-06

5757	489959.15, 3857987.49	7.54E-02	2.38E-05	1.01E-05	3.81E-02	1.20E-05	5.10E-06	2.13E-03	6.73E-07	3.87E-08	2.26E-03	7.14E-07	5.42E-08	1.01E-05	5.11E-06
5758	489791.49, 3858016.12	7.25E-02	2.29E-05	9.70E-06	3.67E-02	1.16E-05	4.92E-06	2.27E-03	7.17E-07	4.12E-08	2.44E-03	7.70E-07	5.85E-08	9.72E-06	4.94E-06
5759	489698.51, 3858018.07	7.54E-02	2.38E-05	1.01E-05	3.82E-02	1.21E-05	5.12E-06	2.35E-03	7.41E-07	4.26E-08	2.55E-03	8.04E-07	6.10E-08	1.01E-05	5.14E-06
5760	489605.52, 3858020.01	7.84E-02	2.48E-05	1.05E-05	3.98E-02	1.25E-05	5.32E-06	2.43E-03	7.68E-07	4.42E-08	2.66E-03	8.41E-07	6.38E-08	1.05E-05	5.34E-06
5761	489512.53, 3858021.96	8.16E-02	2.57E-05	1.09E-05	4.13E-02	1.30E-05	5.54E-06	2.52E-03	7.96E-07	4.58E-08	2.79E-03	8.81E-07	6.69E-08	1.09E-05	5.56E-06
5762	489419.55, 3858023.91	8.51E-02	2.68E-05	1.14E-05	4.31E-02	1.36E-05	5.77E-06	2.62E-03	8.28E-07	4.76E-08	2.94E-03	9.28E-07	7.04E-08	1.14E-05	5.79E-06
5763	489228.47, 3858041.29	9.41E-02	2.97E-05	1.26E-05	4.76E-02	1.50E-05	6.38E-06	2.86E-03	9.03E-07	5.19E-08	3.31E-03	1.05E-06	7.94E-08	1.26E-05	6.41E-06
5764	489065.75, 3858085.78	1.01E-01	3.19E-05	1.35E-05	5.13E-02	1.62E-05	6.87E-06	3.24E-03	1.02E-06	5.87E-08	3.87E-03	1.22E-06	9.28E-08	1.36E-05	6.91E-06
5765	489001.12, 3858114.86	1.07E-01	3.38E-05	1.43E-05	5.44E-02	1.72E-05	7.28E-06	3.45E-03	1.09E-06	6.26E-08	4.20E-03	1.33E-06	1.01E-07	1.44E-05	7.32E-06
5766	488861.89, 3858189.81	1.21E-01	3.82E-05	1.62E-05	6.15E-02	1.94E-05	8.24E-06	4.06E-03	1.28E-06	7.37E-08	5.23E-03	1.65E-06	1.25E-07	1.63E-05	8.29E-06
5767	488787.29, 3858235.69	1.30E-01	4.10E-05	1.74E-05	6.61E-02	2.09E-05	8.85E-06	4.57E-03	1.44E-06	8.29E-08	6.13E-03	1.93E-06	1.47E-07	1.74E-05	8.92E-06
5768	488712.68, 3858281.57	1.42E-01	4.49E-05	1.91E-05	7.26E-02	2.29E-05	9.72E-06	5.18E-03	1.63E-06	9.40E-08	7.39E-03	2.33E-06	1.77E-07	1.91E-05	9.80E-06
5769	488654.39, 3858436.17	1.59E-01	5.02E-05	2.13E-05	8.22E-02	2.59E-05	1.10E-05	7.47E-03	2.36E-06	1.36E-07	1.23E-02	3.88E-06	2.94E-07	2.14E-05	1.12E-05
5770	488726.3, 3858505.26	1.46E-01	4.60E-05	1.95E-05	7.61E-02	2.40E-05	1.02E-05	8.06E-03	2.54E-06	1.46E-07	1.24E-02	3.91E-06	2.97E-07	1.97E-05	1.03E-05
5771	488880.6, 3858599.28	1.55E-01	4.88E-05	2.07E-05	8.06E-02	2.54E-05	1.08E-05	8.25E-03	2.60E-06	1.50E-07	1.08E-02	3.41E-06	2.59E-07	2.08E-05	1.09E-05
5772	489008.06, 3858714.75	1.16E-01	3.67E-05	1.56E-05	6.26E-02	1.98E-05	8.38E-06	9.39E-03	2.96E-06	1.70E-07	1.14E-02	3.60E-06	2.73E-07	1.57E-05	8.48E-06
5773	489071.48, 3858772.72	1.10E-01	3.46E-05	1.47E-05	5.99E-02	1.89E-05	8.02E-06	1.01E-02	3.19E-06	1.83E-07	1.20E-02	3.80E-06	2.88E-07	1.48E-05	8.12E-06
5774	489244.59, 3858920.19	1.12E-01	3.53E-05	1.50E-05	6.23E-02	1.97E-05	8.35E-06	1.22E-02	3.85E-06	2.22E-07	1.36E-02	4.30E-06	3.26E-07	1.51E-05	8.45E-06
5775	489239.69, 3858952.23	1.17E-01	3.68E-05	1.56E-05	6.60E-02	2.08E-05	8.83E-06	1.42E-02	4.49E-06	2.58E-07	1.60E-02	5.04E-06	3.83E-07	1.57E-05	8.96E-06
5776	489121.67, 3858854.49	1.12E-01	3.53E-05	1.50E-05	6.23E-02	1.97E-05	8.35E-06	1.23E-02	3.89E-06	2.23E-07	1.47E-02	4.64E-06	3.52E-07	1.51E-05	8.48E-06
5777	489059.59, 3858797.27	1.12E-01	3.52E-05	1.49E-05	6.15E-02	1.94E-05	8.24E-06	1.13E-02	3.55E-06	2.04E-07	1.37E-02	4.34E-06	3.29E-07	1.51E-05	8.37E-06
5778	488997.52, 3858740.04	1.15E-01	3.64E-05	1.54E-05	6.28E-02	1.98E-05	8.41E-06	1.04E-02	3.27E-06	1.88E-07	1.29E-02	4.06E-06	3.08E-07	1.55E-05	8.53E-06
5779	488935.44, 3858682.82	1.26E-01	3.98E-05	1.69E-05	6.75E-02	2.13E-05	9.04E-06	9.62E-03	3.04E-06	1.75E-07	1.22E-02	3.86E-06	2.93E-07	1.70E-05	9.16E-06
5780	488869.17, 3858848.43	1.81E-01	5.71E-05	2.42E-05	1.05E-01	3.33E-05	1.41E-05	2.70E-02	8.51E-06	4.89E-07	5.50E-02	1.74E-05	1.32E-06	2.51E-05	1.50E-05
5781	488932.48, 3858892.69	1.83E-01	5.79E-05	2.46E-05	1.08E-01	3.42E-05	1.45E-05	2.93E-02	9.26E-06	5.33E-07	5.48E-02	1.73E-05	1.31E-06	2.53E-05	1.53E-05
5782	489063.27, 3858977.17	1.78E-01	5.63E-05	2.39E-05	1.08E-01	3.42E-05	1.45E-05	3.32E-02	1.05E-05	6.02E-07	4.95E-02	1.56E-05	1.19E-06	2.45E-05	1.51E-05
5783	489248.2, 3859117.15	1.88E-01	5.95E-05	2.52E-05	1.26E-01	3.97E-05	1.68E-05	5.27E-02	1.66E-05	9.57E-07	6.40E-02	2.02E-05	1.53E-06	2.58E-05	1.74E-05
5784	489296.25, 3859049.22	1.33E-01	4.20E-05	1.78E-05	7.81E-02	2.47E-05	1.05E-05	2.07E-02	6.53E-06	3.76E-07	2.28E-02	7.20E-06	5.47E-07	1.80E-05	1.06E-05
5785	489353.38, 3858993.96	1.23E-01	3.88E-05	1.65E-05	6.82E-02	2.15E-05	9.13E-06	1.30E-02	4.09E-06	2.35E-07	1.38E-02	4.36E-06	3.31E-07	1.66E-05	9.23E-06
5786	489537.24, 3859120.22	1.38E-01	4.37E-05	1.85E-05	7.67E-02	2.42E-05	1.03E-05	1.45E-02	4.58E-06	2.63E-07	1.52E-02	4.80E-06	3.64E-07	1.86E-05	1.04E-05
5787	489726.98, 3859246.04	1.39E-01	4.38E-05	1.86E-05	7.81E-02	2.47E-05	1.05E-05	1.62E-02	5.12E-06	2.95E-07	1.69E-02	5.35E-06	4.06E-07	1.87E-05	1.06E-05
5788	489911.46, 3859366.33	1.38E-01	4.37E-05	1.85E-05	7.90E-02	2.49E-05	1.06E-05	1.80E-02	5.67E-06	3.26E-07	1.89E-02	5.97E-06	4.53E-07	1.87E-05	1.07E-05
5789	490035.3, 3859430.26	1.43E-01	4.51E-05	1.91E-05	8.10E-02	2.56E-05	1.08E-05	1.79E-02	5.64E-06	3.24E-07	1.88E-02	5.92E-06	4.49E-07	1.92E-05	1.10E-05
5790	490101.11, 3859458.61	1.38E-01	4.35E-05	1.85E-05	7.83E-02	2.47E-05	1.05E-05	1.73E-02	5.46E-06	3.14E-07	1.81E-02	5.72E-06	4.34E-07	1.86E-05	1.06E-05
5791	490312.68, 3859560.3	1.30E-01	4.10E-05	1.74E-05	7.53E-02	2.38E-05	1.01E-05	1.87E-02	5.90E-06	3.39E-07	1.95E-02	6.17E-06	4.68E-07	1.75E-05	1.02E-05
5792	490401.63, 3859603.12	1.34E-01	4.24E-05	1.80E-05	7.82E-02	2.47E-05	1.05E-05	1.99E-02	6.27E-06	3.61E-07	2.09E-02	6.60E-06	5.01E-07	1.81E-05	1.06E-05
5793	490490.57, 3859645.94	1.35E-01	4.25E-05	1.80E-05	7.91E-02	2.50E-05	1.06E-05	2.11E-02	6.65E-06	3.83E-07	2.23E-02	7.05E-06	5.35E-07	1.82E-05	1.07E-05
5794	490579.51, 3859688.76	1.34E-01	4.22E-05	1.79E-05	7.94E-02	2.51E-05	1.06E-05	2.22E-02	7.02E-06	4.04E-07	2.37E-02	7.49E-06	5.68E-07	1.81E-05	1.08E-05
5795	490668.45, 3859731.58	1.32E-01	4.16E-05	1.76E-05	7.89E-02	2.49E-05	1.06E-05	2.29E-02	7.22E-06	4.15E-07	2.46E-02	7.76E-06	5.89E-07	1.78E-05	1.07E-05
5796	490757.4, 3859774.4	1.32E-01	4.16E-05	1.76E-05	8.02E-02	2.53E-05	1.07E-05	2.48E-02	7.84E-06	4.51E-07	2.69E-02	8.50E-06	6.45E-07	1.78E-05	1.09E-05
5797	491003.53, 3859861.82	1.25E-01	3.95E-05	1.68E-05	7.49E-02	2.36E-05	1.00E-05	2.16E-02	6.81E-06	3.92E-07	2.35E-02	7.42E-06	5.63E-07	1.69E-05	1.02E-05
5798	491081.41, 3859879.05	1.23E-01	3.88E-05	1.64E-05	7.21E-02	2.28E-05	9.65E-06	1.91E-02	6.03E-06	3.47E-07	2.04E-02	6.43E-06	4.88E-07	1.66E-05	9.80E-06
5799	491229.76, 3859917.82	1.19E-01	3.74E-05	1.59E-05	6.77E-02	2.14E-05	9.07E-06	1.54E-02	4.88E-06	2.80E-07	1.60E-02	5.04E-06	3.83E-07	1.60E-05	9.17E-06
5800	491300.22, 3859939.35	1.14E-01	3.60E-05	1.53E-05	6.45E-02	2.04E-05	8.64E-06	1.40E-02	4.43E-06	2.55E-07	1.45E-02	4.59E-06	3.48E-07	1.53E-05	8.73E-06
5801	491350.48, 3860012.03	1.11E-01	3.51E-05	1.49E-05	6.50E-02	2.05E-05	8.70E-06	1.68E-02	5.30E-06	3.05E-07	1.72E-02	5.44E-06	4.13E-07	1.50E-05	8.81E-06
5802	491406.82, 3860092.56	1.11E-01	3.51E-05	1.49E-05	6.67E-02	2.10E-05	8.93E-06	1.95E-02	6.16E-06	3.54E-07	2.02E-02	6.38E-06	4.84E-07	1.50E-05	9.06E-06
5803	491483.36, 3860121.96	1.07E-01	3.38E-05	1.43E-05	6.29E-02	1.98E-05	8.42E-06	1.66E-02	5.24E-06	3.01E-07	1.74E-02	5.49E-06	4.17E-07	1.45E-05	8.53E-06
5804	491559.91, 3860151.35	1.04E-01	3.27E-05	1.39E-05	5.97E-02	1.88E-05	8.00E-06	1.45E-02	4.56E-06	2.63E-07	1.53E-02	4.82E-06	3.66E-07	1.40E-05	8.10E-06
5805	491711.81, 3860237.76	9.70E-02	3.06E-05	1.30E-05	5.40E-02	1.70E-05	7.23E-06	1.05E-02	3.30E-06	1.90E-07	1.12E-02	3.54E-06	2.69E-07	1.31E-05	7.31E-06
5806	491755.2, 3860319.07	8.84E-02	2.79E-05	1.18E-05	5.27E-02	1.66E-05	7.06E-06	1.50E-02	4.74E-06	2.72E-07	1.63E-02	5.14E-06	3.90E-07	1.20E-05	7.17E-06
5807	491704.71, 3860366.54	9.27E-02	2.93E-05	1.24E-05	6.07E-02	1.91E-05	8.12E-06	2.41E-02	7.61E-06	4.38E-07	2.65E-02	8.38E-06	6.36E-07	1.26E-05	8.32E-06
5808	491623.42, 3860462.39	6.13E-02	1.93E-05	8.21E-06	4.70E-02	1.48E-05	6.30E-06	2.67E-02	8.41E-06	4.84E-07	2.45E-02	7.72E-06	5.86E-07	8.31E-06	6.40E-06
5809	491534.02, 3860439.84	4.31E-02	1.36E-05	5.77E-06	2.81E-02	8.85E-06	3.76E-06	1.10E-02	3.47E-06	2.00E-07	1.10E-02	3.46E-06	2.63E-07	5.83E-06	3.82E-06
5810	491313.95, 3860268.17	5.57E-02	1.76E-05	7.45E-06	3.59E-02	1.13E-05	4.81E-06	1.36E-02	4.30E-06	2.47E-07	1.42E-02	4.47E-06	3.39E-07	7.54E-06	4.90E-06
5811	491187.12, 3860143.56	7.25E-02	2.29E-05	9.70E-06	4.78E-02	1.51E-05	6.40E-06	1.94E-02	6.12E-06	3.52E-07	2.13E-02	6.72E-06	5.10E-07	9.86E-06	6.56E-06
5812	491070.43, 3860075.97	6.85E-02	2.16E-05	9.17E-06	4.44E-02	1.40E-05	5.94E-06	1.71E-02	5.39E-06	3.10E-07	1.81E-02	5.71E-06	4.33E-07	9.30E-06	6.06E-06
5813	490995.09, 3860039.38	6.72E-02	2.12E-05	9.00E-06	4.29E-02	1.35E-05	5.74E-06	1.58E-02	4.98E-06	2.86E-07	1.67E-02	5.27E-06	4.00E-07	9.11E-06	5.86E-06
5814	490919.75, 3860002.8	6.79E-02	2.14E-05	9.10E-06	4.35E-02	1.37E-05	5.82E-06	1.61E-02	5.10E-06	2.93E-07	1.64E-02	5.18E-06	3.93E-07	9.20E-06	5.92E-06
5815	490756.81, 3859894.53	1.00E-01	3.17E-05	1.34E-05	7.35E-02	2.32E-05	9.84E-06	3.82E-02	1.21E-05	6.94E-07	3.62E-02	1.14E-05	8.68E-07	1.36E-05	1.00E-05
5816	490668.07, 3859860.92	9.70E-02	3.06E-05	1.30E-05	7.04E-02	2.22E-05	9.42E-06	3.58E-02	1.13E-05	6.51E-07	3.45E-02	1.09E-05	8.27E-07	1.32E-05	9.60E-06
5817	490579.34, 3859827.3	9.66E-02	3.05E-05	1.29E-05	6.95E-02	2.19E-05	9.30E-06	3.48E-02	1.10E-05	6.31E-07	3.40E-02	1.07E-05	8.15E-07	1.31E-05	9.49E-06
5818	490490.6, 3859793.68	9.47E-02	2.99E-05	1.27E-05	6.69E-02	2.11E-05	8.95E-06	3.22E-02	1.02E-05	5.84E-07	3.20E-02	1.01E-05	7.67E-07	1.29E-05	9.14E-06
5819	490401.86, 3859760.07	9.38E-02	2.96E-05	1.26E-05	6.52E-02	2.06E-05	8.74E-06	3.03E-02	9.57E-06	5.51E-07	3.06E-02	9.66E-06	7.33E-07	1.27E-05	8.92E-06
5820	490313.12, 3859726.45	9.44E-02	2.98E-05	1.26E-05	6.50E-02	2.05E-05	8.70E-06	2.95E-02	9.32E-06	5.36E-07	3.02E-02	9.52E-06	7.23E-07	1.28E-05	8.89E-06
5821	490224.39, 3859692.83	9.52E-02	3.00E-05	1.27E-05	6.49E-02	2.05E-05	8.70E-06	2.89E-02	9.11E-06	5.24E-07	2.98E-02	9.41E-06	7.14E-07	1.29E-05	8.89E-06
5822	490135.65, 3859659.22	9.56E-02	3.02E-05	1.28E-05	6.48E-02	2.04E-05	8.68E-06	2.83E-02	8.92E-06	5.13E-07	2.95E-02	9.31E-06	7.07E-07	1.30E-05	8.87E-06
5823	489918.18, 3859559.23	1.04E-01	3.28E-05	1.39E-05	6.98E-02	2.20E-05	9.35E-06	2.98E-02	9.40E-06	5.41E-07	2.99E-02	9.44E-06	7.16E-07	1.41E-05	9.52E-06
5824	489743.61, 3859486	9.56E-02	3.02E-05	1.28E-05	5.92E-02	1.87E-05	7.93E-06	1.97E-02	6.22E-06	3.58E-07	1.97E-02	6.22E-06	4.72E-07	1.29E-05	8.05E-06
5825	489660.32, 3859440.27	9.81E-02	3.10E-05	1.31E-05	6.05E-02	1.91E-05	8.10E-06	1.97E-02	6.21E-06	3.57E-07	1.96E-02	6.18E-06	4.69E-07	1.33E-05	8.21E-06
5826	489577.04, 3859394.53	1.00E-01	3.17E-05	1.34E-05	6.15E-02	1.94E-05	8.24E-06	1.97E-02	6.21E-06	3.57E-07	1.95E-02	6.14E-06	4.66E-07	1.35E-05	8.35E-06
5827	489493.75, 3859348.8	1.02E-01	3.22E-05	1.37E-05	6.24E-02	1.97E-05	8.35E-06	1.96E-02	6.18E-06	3.55E-07	1.92E-02	6.05E-06	4.59E-07	1.38E-05	8.46E-06
5828	489321.28, 3859240.02	1.17E-01	3.69E-05	1.57E-05	7.29E-02	2.30E-05	9.77E-06	2.47E-02	7.81E-06	4.49E-07	2.20E-02	6.96E-06	5.28E-07	1.57E-05	9.84E-06
5829	489235.41, 3859193.96	1.22E-01	3.86E-05	1.64E-05	7.54E-02	2.38E-05	1.01E-05	2.45E-02	7.72E-06	4.44E-07	2.07E-02	6.53E-06	4.96E-07	1.64E-05	1.01E-05
5830	489149.54, 3859147.89	1.23E-01	3.89E-05	1.65E-05	7.51E-02	2.37E-05	1.01E-05	2.33E-02	7.34E-06	4.22E-07	1.87E-02	5.89E-06	4.47E-07	1.65E-05	1.01E-05
5831	489063.68, 3859101.82	1.30E-01	4.11E-05	1.74E-05	7.83E-02	2.47E-05	1.05E-05	2.31E-02	7.30E-06	4.20E-07	1.65E-02	5.20E-06	3.95E-07	1.74E-05	1.05E-05
5832	488977.81, 3859055.75	1.42E-01	4.47E-05	1.90E-05	8.37E-02	2.64E-05	1.12E-05	2.30E-02	7.24E-06	4.17E-07	1.41E-02	4.45E-06	3.38E-07	1.89E-05	1.11E-05
5833	488891.94, 3859009.69	1.59E-01	5.01E-05	2.13E-05	9.16E-02	2.89E-05	1.23E-05	2.22E-02	6.99E-06	4.02E-07	1.20E-02	3.79E-06	2.88E-07	2.11E-05	1.21E-05
5834	488808, 3859060.73	1.57E-01	4.96E-05	2.10E-05	8.14E-02	2.57E-05	1.09E-05	7.73E-03	2.44E-06	1.40E-07	5.75E-03	1.82E-06	1.38E-07	2.10E-05	1.09E-05
5835	488809.93, 3859157.85	1.49E-01	4.70E-05	2.00E-05	7.55E-02	2.38E-05	1.01E-05	4.65E-03	1.47E-06	8.44E-08	3.97E-03	1.25E-06	9.50E-08	2.00E-05	1.01E-05
5836	488811.85, 3859254.96	1.45E-01	4.56E-05	1.94E-05	7.25E-02	2.29E-05	9.71E-06	3.36E-03	1.06E-06	6.09E-08	3.04E-03	9.59E-07	7.28E-08	1.94E-05	9.72E-06
5837	488813.78, 3859352.07	1.42E-01	4.47E-05	1.90E-05	7.06E-02	2.23E-05	9.46E-06	2.65E-03	8.37E-07	4.81E-08	2.48E-03	7.82E-07	5.93E-08	1.90E-05	9.47E-06
5838	488815.71, 3859449.19	1.41E-01	4.44E-05	1.89E-05	7.00E-02	2.21E-05	9.37E-06	2.21E-03	6.97E-07	4.01E-08	2.10E-03	6.63E-07	5.03E-08	1.89E-05	9.38E-06
5839	488910.04, 3859547.1	1.34E-01	4.22E-05	1.79E-05	6.65E-02	2.10E-05	8.90E-06	2.04E-03	6.45E-07	3.71E-08	1.98E-03	6.24E-07	4.74E-08	1.79E-05	8.91E-06
5840	489002.45, 3859547.91	1.25E-01	3.94E-05	1.67E-05	6.23E-02	1.96E-05	8.34E-06	2.22E-03	7.00E-07	4.02E-08	2.16E-03	6.83E-07	5.18E-08	1.67E-05	8.35E-06
5841	489094.85, 3859548.71	1.17E-01	3.71E-05	1.57E-05	5.87E-02	1.85E-05	7.87E-06	2.43E-03	7.67E-07	4.41E-08	2.39E-03	7.54E-07	5.72E-08	1.57E-05	7.88E-06
5842	489230.05, 3859601.87	1.14E-01	3.60E-05	1.53E-05	5.71E-02	1.80E-05	7.64E-06	2.53E-03	7.98E-07	4.59E-08	2.51E-03	7.92E-07	6.01E-08	1.53E-05	7.66E-06
5843	489227.52, 3859680.89	1.11E-01	3.49E-05	1.48E-05	5.53E-02	1.74E-05	7.40E-06	2.17E-03	6.86E-07	3.95E-08	2.17E-03	6.84E-07	5.19E-08	1.48E-05	7.41E-06
5844	489133.47, 3859760.29	8.27E-02	2.61E-05	1.11E-05	4.14E-02	1.31E-05	5.55E-06	1.79E-03	5.65E-07	3.25E-08	1.78E-03	5.61E-07	4.26E-08	1.11E-05	5.56E-06
5845	489041.96, 3859760.67	8.62E-02	2.72E-05	1.15E-05	4.30E-02	1.36E-05	5.76E-06	1.68E-03	5.30E-07	3.05E-08	1.66E-03	5.23E-07	3.97E-08	1.15E-05	5.77E-06
5846	488950.45, 3859761.05	8.81E-02	2.78E-05	1.18E-05	4.39E-02	1.39E-05	5.88E-06	1.58E-03	4.99E-07	2.87E-08	1.55E-03	4.90E-07	3.72E-08	1.18E-05	5.89E-06

5847	488858.94, 3859761.43	8.97E-02	2.83E-05	1.20E-05	4.46E-02	1.41E-05	5.97E-06	1.50E-03	4.73E-07	2.72E-08	1.46E-03	4.62E-07	3.51E-08	1.20E-05	5.98E-06
5848	488767.43, 3859761.82	9.14E-02	2.89E-05	1.22E-05	4.54E-02	1.43E-05	6.08E-06	1.42E-03	4.48E-07	2.58E-08	1.38E-03	4.36E-07	3.31E-08	1.23E-05	6.09E-06
5849	488675.92, 3859762.2	9.43E-02	2.98E-05	1.26E-05	4.68E-02	1.48E-05	6.26E-06	1.35E-03	4.27E-07	2.46E-08	1.31E-03	4.14E-07	3.14E-08	1.26E-05	6.27E-06
5850	488584.41, 3859762.58	9.93E-02	3.13E-05	1.33E-05	4.91E-02	1.55E-05	6.58E-06	1.29E-03	4.07E-07	2.34E-08	1.25E-03	3.93E-07	2.98E-08	1.33E-05	6.59E-06
5851	488492.9, 3859762.96	1.10E-01	3.47E-05	1.47E-05	5.43E-02	1.71E-05	7.27E-06	1.24E-03	3.90E-07	2.24E-08	1.19E-03	3.76E-07	2.85E-08	1.47E-05	7.28E-06
5852	488402.76, 3859830.95	1.30E-01	4.11E-05	1.74E-05	6.40E-02	2.02E-05	8.58E-06	1.13E-03	3.57E-07	2.06E-08	1.09E-03	3.45E-07	2.62E-08	1.74E-05	8.58E-06
5853	488404.14, 3859898.55	1.32E-01	4.17E-05	1.77E-05	6.50E-02	2.05E-05	8.70E-06	1.08E-03	3.42E-07	1.97E-08	1.05E-03	3.32E-07	2.52E-08	1.77E-05	8.71E-06
5854	488505.18, 3859964.96	1.32E-01	4.18E-05	1.77E-05	6.52E-02	2.06E-05	8.73E-06	1.08E-03	3.41E-07	1.96E-08	1.06E-03	3.33E-07	2.53E-08	1.77E-05	8.73E-06
5855	488604.84, 3859963.76	1.27E-01	3.99E-05	1.69E-05	6.23E-02	1.97E-05	8.34E-06	1.12E-03	3.54E-07	2.03E-08	1.10E-03	3.46E-07	2.63E-08	1.69E-05	8.35E-06
5856	488704.51, 3859962.56	1.23E-01	3.89E-05	1.65E-05	6.08E-02	1.92E-05	8.14E-06	1.17E-03	3.68E-07	2.12E-08	1.14E-03	3.61E-07	2.74E-08	1.65E-05	8.15E-06
5857	488804.18, 3859961.37	1.21E-01	3.82E-05	1.62E-05	5.97E-02	1.89E-05	8.00E-06	1.22E-03	3.84E-07	2.21E-08	1.20E-03	3.78E-07	2.87E-08	1.62E-05	8.01E-06
5858	488903.85, 3859960.17	1.19E-01	3.75E-05	1.59E-05	5.87E-02	1.85E-05	7.86E-06	1.28E-03	4.02E-07	2.31E-08	1.26E-03	3.97E-07	3.01E-08	1.59E-05	7.87E-06
5859	489003.52, 3859958.97	1.16E-01	3.66E-05	1.55E-05	5.74E-02	1.81E-05	7.68E-06	1.34E-03	4.22E-07	2.43E-08	1.32E-03	4.18E-07	3.17E-08	1.55E-05	7.69E-06
5860	489103.18, 3859957.77	1.10E-01	3.47E-05	1.47E-05	5.44E-02	1.72E-05	7.29E-06	1.41E-03	4.43E-07	2.55E-08	1.40E-03	4.42E-07	3.35E-08	1.47E-05	7.29E-06
5861	489201.48, 3860046.59	1.22E-01	3.84E-05	1.63E-05	6.01E-02	1.90E-05	8.05E-06	1.36E-03	4.29E-07	2.47E-08	1.36E-03	4.29E-07	3.26E-08	1.63E-05	8.05E-06
5862	489200.11, 3860136.61	1.25E-01	3.93E-05	1.67E-05	6.15E-02	1.94E-05	8.23E-06	1.26E-03	3.97E-07	2.28E-08	1.26E-03	3.98E-07	3.02E-08	1.67E-05	8.24E-06
5863	489198.74, 3860226.63	1.24E-01	3.93E-05	1.67E-05	6.14E-02	1.94E-05	8.22E-06	1.18E-03	3.72E-07	2.14E-08	1.18E-03	3.73E-07	2.83E-08	1.67E-05	8.22E-06
5864	489197.38, 3860316.66	1.22E-01	3.85E-05	1.63E-05	6.01E-02	1.90E-05	8.05E-06	1.11E-03	3.50E-07	2.01E-08	1.11E-03	3.52E-07	2.67E-08	1.63E-05	8.05E-06
5865	489196.01, 3860406.68	1.18E-01	3.72E-05	1.58E-05	5.80E-02	1.83E-05	7.76E-06	1.04E-03	3.30E-07	1.90E-08	1.05E-03	3.32E-07	2.52E-08	1.58E-05	7.77E-06
5866	489194.64, 3860496.7	1.11E-01	3.49E-05	1.48E-05	5.45E-02	1.72E-05	7.29E-06	9.79E-04	3.09E-07	1.78E-08	9.88E-04	3.12E-07	2.37E-08	1.48E-05	7.30E-06
5867	489193.27, 3860586.72	9.66E-02	3.05E-05	1.29E-05	4.76E-02	1.50E-05	6.37E-06	9.18E-04	2.90E-07	1.67E-08	9.29E-04	2.93E-07	2.22E-08	1.29E-05	6.38E-06
5868	489092.02, 3860678.13	5.36E-02	1.69E-05	7.18E-06	2.66E-02	8.40E-06	3.57E-06	8.40E-04	2.65E-07	1.52E-08	8.47E-04	2.67E-07	2.03E-08	7.18E-06	3.57E-06
5869	488992.13, 3860679.53	5.52E-02	1.74E-05	7.40E-06	2.74E-02	8.65E-06	3.67E-06	8.16E-04	2.58E-07	1.48E-08	8.23E-04	2.60E-07	1.97E-08	7.40E-06	3.68E-06
5870	488892.24, 3860680.92	5.58E-02	1.76E-05	7.47E-06	2.77E-02	8.73E-06	3.71E-06	7.97E-04	2.52E-07	1.45E-08	8.00E-04	2.52E-07	1.92E-08	7.48E-06	3.71E-06
5871	488792.36, 3860682.31	5.62E-02	1.77E-05	7.53E-06	2.79E-02	8.80E-06	3.73E-06	7.79E-04	2.46E-07	1.41E-08	7.77E-04	2.45E-07	1.86E-08	7.53E-06	3.74E-06
5872	488692.48, 3860683.7	5.69E-02	1.80E-05	7.62E-06	2.82E-02	8.90E-06	3.78E-06	7.61E-04	2.40E-07	1.38E-08	7.57E-04	2.39E-07	1.81E-08	7.63E-06	3.78E-06
5873	488592.59, 3860685.09	5.87E-02	1.85E-05	7.86E-06	2.90E-02	9.16E-06	3.89E-06	7.44E-04	2.35E-07	1.35E-08	7.38E-04	2.33E-07	1.77E-08	7.86E-06	3.89E-06
5874	488492.71, 3860686.49	6.44E-02	2.03E-05	8.62E-06	3.18E-02	1.00E-05	4.26E-06	7.30E-04	2.30E-07	1.33E-08	7.21E-04	2.28E-07	1.73E-08	8.63E-06	4.26E-06
5875	488299.07, 3860762.18	3.95E-02	1.25E-05	5.29E-06	1.97E-02	6.21E-06	2.64E-06	6.86E-04	2.17E-07	1.25E-08	6.74E-04	2.13E-07	1.61E-08	5.30E-06	2.64E-06
5876	488205.32, 3860764.09	3.80E-02	1.20E-05	5.09E-06	1.89E-02	5.98E-06	2.54E-06	6.74E-04	2.13E-07	1.22E-08	6.61E-04	2.09E-07	1.58E-08	5.10E-06	2.54E-06
5877	488111.56, 3860766	3.46E-02	1.09E-05	4.63E-06	1.72E-02	5.44E-06	2.31E-06	6.60E-04	2.08E-07	1.20E-08	6.46E-04	2.04E-07	1.55E-08	4.63E-06	2.31E-06
5878	488017.81, 3860767.91	2.93E-02	9.23E-06	3.92E-06	1.47E-02	4.63E-06	1.96E-06	6.47E-04	2.04E-07	1.17E-08	6.32E-04	1.99E-07	1.51E-08	3.92E-06	1.97E-06
5879	487924.06, 3860769.81	2.28E-02	7.20E-06	3.05E-06	1.15E-02	3.63E-06	1.54E-06	6.33E-04	2.00E-07	1.15E-08	6.17E-04	1.95E-07	1.48E-08	3.06E-06	1.54E-06
5880	487830.31, 3860771.72	1.91E-02	6.03E-06	2.56E-06	9.71E-03	3.06E-06	1.30E-06	6.22E-04	1.96E-07	1.13E-08	6.06E-04	1.91E-07	1.45E-08	2.56E-06	1.30E-06
5881	487736.55, 3860773.63	1.66E-02	5.23E-06	2.22E-06	8.45E-03	2.67E-06	1.13E-06	6.09E-04	1.92E-07	1.11E-08	5.94E-04	1.88E-07	1.42E-08	2.22E-06	1.13E-06
5882	487642.8, 3860775.54	1.50E-02	4.72E-06	2.00E-06	7.67E-03	2.42E-06	1.03E-06	6.00E-04	1.89E-07	1.09E-08	5.84E-04	1.84E-07	1.40E-08	2.01E-06	1.03E-06
5883	487549.48, 3860684.71	1.68E-02	5.29E-06	2.24E-06	8.55E-03	2.70E-06	1.14E-06	6.09E-04	1.92E-07	1.11E-08	5.93E-04	1.87E-07	1.42E-08	2.25E-06	1.15E-06
5884	487549.91, 3860591.97	2.09E-02	6.59E-06	2.80E-06	1.06E-02	3.34E-06	1.42E-06	6.30E-04	1.99E-07	1.14E-08	6.09E-04	1.92E-07	1.46E-08	2.80E-06	1.42E-06
5885	487550.34, 3860499.23	2.66E-02	8.40E-06	3.56E-06	1.34E-02	4.22E-06	1.79E-06	6.52E-04	2.06E-07	1.18E-08	6.28E-04	1.98E-07	1.51E-08	3.57E-06	1.79E-06
5886	487550.76, 3860406.49	3.52E-02	1.11E-05	4.72E-06	1.76E-02	5.55E-06	2.36E-06	6.78E-04	2.14E-07	1.23E-08	6.53E-04	2.06E-07	1.56E-08	4.72E-06	2.36E-06
5887	487551.19, 3860313.75	4.98E-02	1.57E-05	6.66E-06	2.47E-02	7.79E-06	3.30E-06	7.08E-04	2.23E-07	1.29E-08	6.79E-04	2.14E-07	1.63E-08	6.67E-06	3.31E-06
5888	487551.62, 3860221.01	5.58E-02	1.76E-05	7.47E-06	2.76E-02	8.72E-06	3.70E-06	7.41E-04	2.34E-07	1.35E-08	7.08E-04	2.24E-07	1.70E-08	7.47E-06	3.70E-06
5889	487552.05, 3860128.27	5.81E-02	1.84E-05	7.79E-06	2.88E-02	9.09E-06	3.86E-06	7.79E-04	2.46E-07	1.41E-08	7.41E-04	2.34E-07	1.78E-08	7.79E-06	3.86E-06
5890	487552.48, 3860035.53	6.00E-02	1.89E-05	8.03E-06	2.97E-02	9.38E-06	3.98E-06	8.15E-04	2.57E-07	1.48E-08	7.72E-04	2.44E-07	1.85E-08	8.03E-06	3.98E-06
5891	487552.91, 3859942.79	6.16E-02	1.94E-05	8.25E-06	3.05E-02	9.63E-06	4.09E-06	8.46E-04	2.67E-07	1.54E-08	7.97E-04	2.51E-07	1.91E-08	8.25E-06	4.09E-06
5892	487553.33, 3859850.05	6.34E-02	2.00E-05	8.48E-06	3.14E-02	9.91E-06	4.21E-06	8.80E-04	2.78E-07	1.60E-08	8.23E-04	2.60E-07	1.97E-08	8.49E-06	4.21E-06
5893	487553.76, 3859757.31	6.56E-02	2.07E-05	8.78E-06	3.25E-02	1.03E-05	4.35E-06	9.13E-04	2.88E-07	1.66E-08	8.47E-04	2.67E-07	2.03E-08	8.78E-06	4.36E-06
5894	487554.19, 3859664.57	6.98E-02	2.20E-05	9.35E-06	3.46E-02	1.09E-05	4.63E-06	9.49E-04	3.00E-07	1.72E-08	8.72E-04	2.75E-07	2.09E-08	9.36E-06	4.64E-06
5895	487460.2, 3859571.05	7.00E-02	2.21E-05	9.38E-06	3.47E-02	1.10E-05	4.65E-06	9.68E-04	3.06E-07	1.76E-08	8.75E-04	2.76E-07	2.10E-08	9.38E-06	4.65E-06
5896	487365.78, 3859570.27	5.92E-02	1.87E-05	7.93E-06	2.94E-02	9.29E-06	3.94E-06	9.43E-04	2.98E-07	1.71E-08	8.52E-04	2.69E-07	2.04E-08	7.94E-06	3.95E-06
5897	487271.36, 3859569.48	4.77E-02	1.50E-05	6.38E-06	2.38E-02	7.51E-06	3.19E-06	9.21E-04	2.91E-07	1.67E-08	8.29E-04	2.62E-07	1.99E-08	6.39E-06	3.19E-06
5898	487176.94, 3859568.7	3.89E-02	1.23E-05	5.21E-06	1.95E-02	6.16E-06	2.61E-06	8.99E-04	2.84E-07	1.63E-08	8.06E-04	2.54E-07	1.93E-08	5.21E-06	2.62E-06
5899	487082.51, 3859567.92	3.32E-02	1.05E-05	4.45E-06	1.67E-02	5.28E-06	2.24E-06	8.79E-04	2.77E-07	1.60E-08	7.88E-04	2.49E-07	1.89E-08	4.45E-06	2.25E-06
5900	486988.09, 3859567.14	2.93E-02	9.24E-06	3.92E-06	1.48E-02	4.67E-06	1.98E-06	8.58E-04	2.71E-07	1.56E-08	7.69E-04	2.43E-07	1.84E-08	3.92E-06	1.99E-06
5901	486893.67, 3859566.36	2.63E-02	8.29E-06	3.52E-06	1.33E-02	4.20E-06	1.78E-06	8.40E-04	2.65E-07	1.52E-08	7.52E-04	2.37E-07	1.80E-08	3.52E-06	1.79E-06
5902	486799.25, 3859565.58	2.39E-02	7.54E-06	3.20E-06	1.22E-02	3.84E-06	1.63E-06	8.22E-04	2.60E-07	1.49E-08	7.36E-04	2.32E-07	1.76E-08	3.20E-06	1.63E-06
5903	486704.83, 3859564.79	2.21E-02	6.98E-06	2.96E-06	1.13E-02	3.56E-06	1.51E-06	8.05E-04	2.54E-07	1.46E-08	7.21E-04	2.28E-07	1.73E-08	2.96E-06	1.51E-06
5904	486610.41, 3859564.01	2.07E-02	6.53E-06	2.77E-06	1.06E-02	3.34E-06	1.42E-06	7.90E-04	2.49E-07	1.43E-08	7.08E-04	2.24E-07	1.70E-08	2.77E-06	1.42E-06
5905	486515.99, 3859563.23	1.95E-02	6.14E-06	2.61E-06	9.97E-03	3.15E-06	1.34E-06	7.72E-04	2.44E-07	1.40E-08	6.94E-04	2.19E-07	1.66E-08	2.61E-06	1.34E-06
5906	486421.57, 3859562.45	1.84E-02	5.80E-06	2.46E-06	9.44E-03	2.98E-06	1.26E-06	7.57E-04	2.39E-07	1.37E-08	6.81E-04	2.15E-07	1.63E-08	2.46E-06	1.27E-06
5907	486327.14, 3859561.67	1.74E-02	5.49E-06	2.33E-06	8.95E-03	2.83E-06	1.20E-06	7.44E-04	2.35E-07	1.35E-08	6.69E-04	2.11E-07	1.60E-08	2.33E-06	1.20E-06
5908	486232.72, 3859560.89	1.65E-02	5.21E-06	2.21E-06	8.50E-03	2.68E-06	1.14E-06	7.28E-04	2.30E-07	1.32E-08	6.56E-04	2.07E-07	1.57E-08	2.21E-06	1.14E-06
5909	486138.3, 3859560.1	1.57E-02	4.95E-06	2.10E-06	8.09E-03	2.55E-06	1.08E-06	7.14E-04	2.25E-07	1.30E-08	6.45E-04	2.03E-07	1.54E-08	2.10E-06	1.09E-06
5910	486043.88, 3859559.32	1.49E-02	4.71E-06	2.00E-06	7.71E-03	2.43E-06	1.03E-06	7.00E-04	2.21E-07	1.27E-08	6.32E-04	1.99E-07	1.51E-08	2.00E-06	1.04E-06
5911	485949.35, 3859463.54	1.51E-02	4.77E-06	2.02E-06	7.81E-03	2.47E-06	1.05E-06	7.08E-04	2.23E-07	1.29E-08	6.33E-04	2.00E-07	1.52E-08	2.03E-06	1.05E-06
5912	485949.24, 3859368.55	1.61E-02	5.07E-06	2.15E-06	8.29E-03	2.62E-06	1.11E-06	7.30E-04	2.30E-07	1.33E-08	6.45E-04	2.03E-07	1.54E-08	2.15E-06	1.11E-06
5913	485949.12, 3859273.55	1.71E-02	5.39E-06	2.29E-06	8.80E-03	2.78E-06	1.18E-06	7.53E-04	2.38E-07	1.37E-08	6.55E-04	2.07E-07	1.57E-08	2.29E-06	1.18E-06
5914	485949.01, 3859178.56	1.82E-02	5.74E-06	2.43E-06	9.35E-03	2.95E-06	1.25E-06	7.77E-04	2.45E-07	1.41E-08	6.66E-04	2.10E-07	1.60E-08	2.44E-06	1.25E-06
5915	485948.9, 3859083.56	1.93E-02	6.10E-06	2.59E-06	9.93E-03	3.13E-06	1.33E-06	8.07E-04	2.55E-07	1.46E-08	6.79E-04	2.14E-07	1.63E-08	2.59E-06	1.33E-06
5916	485948.79, 3858988.56	2.05E-02	6.47E-06	2.74E-06	1.05E-02	3.32E-06	1.41E-06	8.41E-04	2.66E-07	1.53E-08	6.95E-04	2.19E-07	1.67E-08	2.75E-06	1.41E-06
5917	485948.67, 3858893.57	2.16E-02	6.83E-06	2.90E-06	1.11E-02	3.50E-06	1.49E-06	8.80E-04	2.78E-07	1.60E-08	7.13E-04	2.25E-07	1.71E-08	2.90E-06	1.49E-06
5918	485948.56, 3858798.57	2.28E-02	7.19E-06	3.05E-06	1.17E-02	3.69E-06	1.57E-06	9.26E-04	2.92E-07	1.68E-08	7.36E-04	2.32E-07	1.76E-08	3.05E-06	1.57E-06
5919	485948.45, 3858703.58	2.39E-02	7.54E-06	3.20E-06	1.23E-02	3.87E-06	1.64E-06	9.74E-04	3.08E-07	1.77E-08	7.56E-04	2.39E-07	1.81E-08	3.20E-06	1.64E-06
5920	485948.34, 3858608.58	2.51E-02	7.91E-06	3.36E-06	1.29E-02	4.06E-06	1.72E-06	1.03E-03	3.25E-07	1.87E-08	7.80E-04	2.46E-07	1.87E-08	3.36E-06	1.72E-06
5921	485948.22, 3858513.59	2.63E-02	8.31E-06	3.53E-06	1.35E-02	4.27E-06	1.81E-06	1.09E-03	3.45E-07	1.98E-08	8.03E-04	2.53E-07	1.92E-08	3.53E-06	1.81E-06
5922	485948.11, 3858418.59	2.78E-02	8.77E-06	3.72E-06	1.43E-02	4.51E-06	1.91E-06	1.16E-03	3.67E-07	2.11E-08	8.24E-04	2.60E-07	1.97E-08	3.72E-06	1.91E-06
5923	485948, 3858323.59	2.96E-02	9.34E-06	3.96E-06	1.52E-02	4.80E-06	2.04E-06	1.25E-03	3.94E-07	2.27E-08	8.50E-04	2.68E-07	2.04E-08	3.96E-06	2.03E-06
5924	485947.89, 3858228.6	3.19E-02	1.01E-05	4.27E-06	1.64E-02	5.18E-06	2.20E-06	1.34E-03	4.24E-07	2.44E-08	8.75E-04	2.76E-07	2.10E-08	4.27E-06	2.19E-06
5925	485947.77, 3858133.6	3.52E-02	1.11E-05	4.71E-06	1.81E-02	5.70E-06	2.42E-06	1.46E-03	4.59E-07	2.64E-08	9.01E-04	2.84E-07	2.16E-08	4.71E-06	2.41E-06
5926	485947.66, 3858038.61	3.96E-02	1.25E-05	5.30E-06	2.03E-02	6.41E-06	2.72E-06	1.61E-03	5.07E-07	2.92E-08	9.34E-04	2.95E-07	2.24E-08	5.29E-06	2.71E-06
5927	485854.54, 3857943.35	4.14E-02	1.31E-05	5.55E-06	2.12E-02	6.70E-06	2.84E-06	1.65E-03	5.21E-07	3.00E-08	9.32E-04	2.94E-07	2.23E-08	5.54E-06	2.84E-06
5928	485761.52, 3857943.09	3.57E-02	1.13E-05	4.78E-06	1.84E-02	5.80E-06	2.46E-06	1.54E-03	4.87E-07	2.80E-08	9.03E-04	2.85E-07	2.16E-08	4.78E-06	2.45E-06
5929	485668.51, 3857942.83	3.18E-02	1.00E-05	4.26E-06	1.64E-02	5.18E-06	2.20E-06	1.46E-03	4.59E-07	2.64E-08	8.77E-04	2.77E-07	2.10E-08	4.25E-06	2.19E-06
5930	485575.5, 3857942.56	2.89E-02	9.11E-06	3.87E-06	1.49E-02	4.71E-06	2.00E-06	1.37E-03	4.33E-07	2.49E-08	8.50E-04	2.68E-07	2.04E-08	3.86E-06	2.00E-06
5931	485482.48, 3857942.3	2.66E-02	8.40E-06	3.56E-06	1.38E-02	4.35E-06	1.85E-06	1.30E-03	4.11E-07	2.37E-08	8.28E-04	2.61E-07	1.98E-08	3.56E-06	1.84E-06
5932	485389.47, 3857942.04	2.48E-02	7.81E-06	3.31E-06	1.28E-02	4.06E-06	1.72E-06	1.24E-03	3.92E-07	2.25E-08	8.06E-04	2.54E-07	1.93E-08	3.31E-06	1.72E-06
5933	485296.46, 3857941.78	2.32E-02	7.32E-06	3.11E-06	1.21E-02	3.80E-06	1.61E-06	1.18E-03	3.73E-07	2.15E-08	7.87E-04	2.48E-07	1.88E-08	3.10E-06	1.61E-06
5934	485203.45, 3857941.52	2.19E-02	6.91E-06	2.93E-06	1.14E-02	3.59E-06	1.52E-06	1.13E-03	3.58E-07	2.06E-08	7.69E-04	2.43E-07	1.84E-08	2.93E-06	1.52E-06
5935	485110.43, 3857941.26	2.07E-02	6.55E-06	2.78E-06	1.08E-02	3.41E-06	1.45E-06	1.09E-03	3.43E-07	1.97E-08	7.49E-04	2.36E-07	1.79E-08	2.78E-06	1.44E-06
5936	485017.42, 3857940.99	1.97E-02	6.23E-06	2.64E-06	1.03E-02	3.24E-06	1.38E-06	1.04E-03	3.28E-07	1.89E-08	7.30E-04	2.30E-07	1.75E-08	2.64E-06	1.37E-06

5937	484924.41, 3857940.73	1.88E-02	5.94E-06	2.52E-06	9.81E-03	3.10E-06	1.31E-06	9.98E-04	3.15E-07	1.81E-08	7.12E-04	2.25E-07	1.70E-08	2.52E-06	1.31E-06
5938	484831.39, 3857940.47	1.80E-02	5.69E-06	2.41E-06	9.39E-03	2.96E-06	1.26E-06	9.59E-04	3.03E-07	1.74E-08	6.95E-04	2.19E-07	1.67E-08	2.41E-06	1.26E-06
5939	484738.12, 3857859.3	1.81E-02	5.72E-06	2.43E-06	9.45E-03	2.98E-06	1.27E-06	9.60E-04	3.03E-07	1.74E-08	6.92E-04	2.18E-07	1.66E-08	2.43E-06	1.26E-06
5940	484737.85, 3857778.4	1.92E-02	6.05E-06	2.57E-06	9.98E-03	3.15E-06	1.34E-06	1.00E-03	3.17E-07	1.82E-08	7.07E-04	2.23E-07	1.69E-08	2.57E-06	1.34E-06
5941	484737.59, 3857697.49	2.04E-02	6.45E-06	2.74E-06	1.06E-02	3.35E-06	1.42E-06	1.05E-03	3.32E-07	1.91E-08	7.23E-04	2.28E-07	1.73E-08	2.74E-06	1.42E-06
5942	484737.32, 3857616.59	2.20E-02	6.95E-06	2.95E-06	1.14E-02	3.60E-06	1.53E-06	1.10E-03	3.48E-07	2.00E-08	7.38E-04	2.33E-07	1.77E-08	2.94E-06	1.53E-06
5943	484645.53, 3857535.18	2.29E-02	7.24E-06	3.07E-06	1.19E-02	3.75E-06	1.59E-06	1.11E-03	3.49E-07	2.01E-08	7.36E-04	2.32E-07	1.76E-08	3.07E-06	1.59E-06
5944	484553.99, 3857534.67	2.19E-02	6.91E-06	2.93E-06	1.13E-02	3.58E-06	1.52E-06	1.06E-03	3.34E-07	1.92E-08	7.18E-04	2.27E-07	1.72E-08	2.93E-06	1.52E-06
5945	484462.46, 3857534.17	2.10E-02	6.61E-06	2.81E-06	1.09E-02	3.43E-06	1.45E-06	1.01E-03	3.20E-07	1.84E-08	7.02E-04	2.22E-07	1.68E-08	2.80E-06	1.45E-06
5946	484370.93, 3857533.66	2.01E-02	6.34E-06	2.69E-06	1.04E-02	3.28E-06	1.39E-06	9.74E-04	3.08E-07	1.77E-08	6.87E-04	2.17E-07	1.65E-08	2.69E-06	1.39E-06
5947	484279.4, 3857533.16	1.93E-02	6.08E-06	2.58E-06	9.98E-03	3.15E-06	1.34E-06	9.38E-04	2.96E-07	1.70E-08	6.74E-04	2.13E-07	1.61E-08	2.58E-06	1.34E-06
5948	484187.86, 3857532.65	1.85E-02	5.84E-06	2.48E-06	9.59E-03	3.03E-06	1.28E-06	9.07E-04	2.86E-07	1.65E-08	6.61E-04	2.09E-07	1.58E-08	2.48E-06	1.28E-06
5949	484096.33, 3857532.15	1.77E-02	5.60E-06	2.38E-06	9.20E-03	2.90E-06	1.23E-06	8.79E-04	2.77E-07	1.60E-08	6.50E-04	2.05E-07	1.56E-08	2.37E-06	1.23E-06
5950	484004.8, 3857531.64	1.71E-02	5.39E-06	2.29E-06	8.86E-03	2.80E-06	1.19E-06	8.54E-04	2.69E-07	1.55E-08	6.38E-04	2.01E-07	1.53E-08	2.29E-06	1.19E-06
5951	483913.27, 3857531.14	1.65E-02	5.21E-06	2.21E-06	8.56E-03	2.70E-06	1.15E-06	8.30E-04	2.62E-07	1.51E-08	6.27E-04	1.98E-07	1.50E-08	2.21E-06	1.15E-06
5952	483821.73, 3857530.63	1.60E-02	5.07E-06	2.15E-06	8.33E-03	2.63E-06	1.12E-06	8.08E-04	2.55E-07	1.47E-08	6.17E-04	1.95E-07	1.48E-08	2.15E-06	1.12E-06
5953	483729.61, 3857450.11	1.69E-02	5.32E-06	2.26E-06	8.73E-03	2.75E-06	1.17E-06	8.11E-04	2.56E-07	1.47E-08	6.17E-04	1.95E-07	1.48E-08	2.26E-06	1.17E-06
5954	483729.03, 3857370.08	1.85E-02	5.82E-06	2.47E-06	9.52E-03	3.01E-06	1.28E-06	8.38E-04	2.65E-07	1.52E-08	6.28E-04	1.98E-07	1.51E-08	2.47E-06	1.28E-06
5955	483728.44, 3857290.06	2.08E-02	6.56E-06	2.78E-06	1.07E-02	3.37E-06	1.43E-06	8.66E-04	2.73E-07	1.57E-08	6.38E-04	2.01E-07	1.53E-08	2.78E-06	1.43E-06
5956	483727.86, 3857210.03	2.43E-02	7.68E-06	3.26E-06	1.24E-02	3.92E-06	1.66E-06	8.94E-04	2.82E-07	1.62E-08	6.50E-04	2.05E-07	1.56E-08	3.26E-06	1.66E-06
5957	483641.15, 3857129.07	2.63E-02	8.31E-06	3.53E-06	1.34E-02	4.23E-06	1.79E-06	8.99E-04	2.84E-07	1.63E-08	6.51E-04	2.06E-07	1.56E-08	3.53E-06	1.79E-06
5958	483555.03, 3857128.14	2.39E-02	7.56E-06	3.21E-06	1.22E-02	3.86E-06	1.64E-06	8.73E-04	2.75E-07	1.58E-08	6.40E-04	2.02E-07	1.53E-08	3.21E-06	1.64E-06
5959	483468.91, 3857127.2	2.22E-02	7.00E-06	2.97E-06	1.13E-02	3.58E-06	1.52E-06	8.47E-04	2.67E-07	1.54E-08	6.28E-04	1.98E-07	1.51E-08	2.97E-06	1.52E-06
5960	483382.78, 3857126.26	2.08E-02	6.57E-06	2.79E-06	1.07E-02	3.36E-06	1.43E-06	8.26E-04	2.61E-07	1.50E-08	6.20E-04	1.96E-07	1.49E-08	2.79E-06	1.43E-06
5961	483296.66, 3857125.32	1.96E-02	6.20E-06	2.63E-06	1.01E-02	3.18E-06	1.35E-06	8.05E-04	2.54E-07	1.46E-08	6.10E-04	1.93E-07	1.46E-08	2.63E-06	1.35E-06
5962	483210.54, 3857124.39	1.86E-02	5.88E-06	2.49E-06	9.57E-03	3.02E-06	1.28E-06	7.85E-04	2.48E-07	1.42E-08	6.02E-04	1.90E-07	1.44E-08	2.49E-06	1.28E-06
5963	483123.4, 3857030.96	1.91E-02	6.04E-06	2.56E-06	9.82E-03	3.10E-06	1.32E-06	7.91E-04	2.50E-07	1.44E-08	6.06E-04	1.91E-07	1.45E-08	2.56E-06	1.32E-06
5964	483122.38, 3856938.46	2.07E-02	6.54E-06	2.78E-06	1.06E-02	3.35E-06	1.42E-06	8.18E-04	2.58E-07	1.48E-08	6.17E-04	1.95E-07	1.48E-08	2.78E-06	1.42E-06
5965	483121.35, 3856845.97	2.25E-02	7.11E-06	3.01E-06	1.15E-02	3.63E-06	1.54E-06	8.44E-04	2.66E-07	1.53E-08	6.30E-04	1.99E-07	1.51E-08	3.01E-06	1.54E-06
5966	483120.33, 3856753.47	2.44E-02	7.69E-06	3.26E-06	1.24E-02	3.92E-06	1.66E-06	8.71E-04	2.75E-07	1.58E-08	6.41E-04	2.02E-07	1.54E-08	3.26E-06	1.66E-06
5967	483119.31, 3856660.98	2.63E-02	8.30E-06	3.52E-06	1.34E-02	4.22E-06	1.79E-06	9.01E-04	2.84E-07	1.64E-08	6.53E-04	2.06E-07	1.56E-08	3.52E-06	1.79E-06
5968	483118.29, 3856568.49	2.82E-02	8.91E-06	3.78E-06	1.43E-02	4.53E-06	1.92E-06	9.34E-04	2.95E-07	1.69E-08	6.64E-04	2.10E-07	1.59E-08	3.78E-06	1.92E-06
5969	483117.26, 3856475.99	3.04E-02	9.58E-06	4.07E-06	1.54E-02	4.86E-06	2.06E-06	9.71E-04	3.07E-07	1.76E-08	6.77E-04	2.14E-07	1.62E-08	4.06E-06	2.06E-06
5970	483116.24, 3856383.5	3.30E-02	1.04E-05	4.41E-06	1.67E-02	5.27E-06	2.24E-06	1.01E-03	3.19E-07	1.84E-08	6.90E-04	2.18E-07	1.65E-08	4.41E-06	2.23E-06
5971	483115.22, 3856291.01	3.68E-02	1.16E-05	4.93E-06	1.86E-02	5.87E-06	2.49E-06	1.06E-03	3.33E-07	1.92E-08	7.05E-04	2.23E-07	1.69E-08	4.93E-06	2.49E-06
5972	483114.2, 3856198.51	4.37E-02	1.38E-05	5.85E-06	2.20E-02	6.94E-06	2.94E-06	1.10E-03	3.49E-07	2.00E-08	7.21E-04	2.28E-07	1.73E-08	5.85E-06	2.94E-06
5973	483113.17, 3856106.02	5.81E-02	1.83E-05	7.78E-06	2.90E-02	9.16E-06	3.89E-06	1.17E-03	3.68E-07	2.12E-08	7.41E-04	2.34E-07	1.78E-08	7.78E-06	3.88E-06
5974	483112.15, 3856013.52	6.52E-02	2.06E-05	8.74E-06	3.25E-02	1.03E-05	4.36E-06	1.23E-03	3.89E-07	2.24E-08	7.62E-04	2.41E-07	1.83E-08	8.73E-06	4.35E-06
5975	483029.25, 3855920.47	5.32E-02	1.68E-05	7.12E-06	2.67E-02	8.42E-06	3.57E-06	1.25E-03	3.94E-07	2.27E-08	7.72E-04	2.44E-07	1.85E-08	7.12E-06	3.57E-06
5976	482947.37, 3855919.91	4.26E-02	1.35E-05	5.71E-06	2.15E-02	6.79E-06	2.88E-06	1.19E-03	3.76E-07	2.16E-08	7.59E-04	2.40E-07	1.82E-08	5.71E-06	2.88E-06
5977	482865.49, 3855919.36	3.60E-02	1.14E-05	4.82E-06	1.83E-02	5.76E-06	2.45E-06	1.14E-03	3.59E-07	2.07E-08	7.46E-04	2.35E-07	1.79E-08	4.82E-06	2.44E-06
5978	482783.61, 3855918.8	3.19E-02	1.01E-05	4.27E-06	1.62E-02	5.12E-06	2.17E-06	1.09E-03	3.46E-07	1.99E-08	7.35E-04	2.32E-07	1.76E-08	4.27E-06	2.17E-06
5979	482700.33, 3855818.39	3.34E-02	1.05E-05	4.47E-06	1.69E-02	5.35E-06	2.27E-06	1.11E-03	3.49E-07	2.01E-08	7.44E-04	2.35E-07	1.78E-08	4.46E-06	2.27E-06
5980	482698.92, 3855718.54	5.19E-02	1.64E-05	6.94E-06	2.60E-02	8.20E-06	3.48E-06	1.17E-03	3.69E-07	2.12E-08	7.69E-04	2.43E-07	1.84E-08	6.94E-06	3.48E-06
5981	482697.52, 3855618.68	5.96E-02	1.88E-05	7.98E-06	2.98E-02	9.41E-06	3.99E-06	1.24E-03	3.92E-07	2.25E-08	7.97E-04	2.51E-07	1.91E-08	7.98E-06	3.99E-06
5982	482696.11, 3855518.83	6.22E-02	1.96E-05	8.33E-06	3.11E-02	9.83E-06	4.17E-06	1.33E-03	4.20E-07	2.41E-08	8.29E-04	2.62E-07	1.99E-08	8.33E-06	4.17E-06
5983	482694.71, 3855418.98	6.35E-02	2.00E-05	8.50E-06	3.18E-02	1.00E-05	4.26E-06	1.43E-03	4.51E-07	2.59E-08	8.65E-04	2.73E-07	2.07E-08	8.50E-06	4.26E-06
5984	482693.3, 3855319.13	6.42E-02	2.03E-05	8.60E-06	3.23E-02	1.02E-05	4.32E-06	1.55E-03	4.88E-07	2.81E-08	9.04E-04	2.85E-07	2.17E-08	8.59E-06	4.31E-06
5985	482691.9, 3855219.27	6.47E-02	2.04E-05	8.67E-06	3.26E-02	1.03E-05	4.36E-06	1.69E-03	5.32E-07	3.06E-08	9.52E-04	3.00E-07	2.28E-08	8.66E-06	4.36E-06
5986	482690.49, 3855119.42	6.50E-02	2.05E-05	8.70E-06	3.28E-02	1.04E-05	4.39E-06	1.86E-03	5.86E-07	3.37E-08	1.00E-03	3.16E-07	2.40E-08	8.69E-06	4.38E-06
5987	482689.09, 3855019.57	6.52E-02	2.06E-05	8.73E-06	3.31E-02	1.04E-05	4.43E-06	2.08E-03	6.55E-07	3.77E-08	1.06E-03	3.36E-07	2.55E-08	8.72E-06	4.42E-06
5988	482687.68, 3854919.71	6.53E-02	2.06E-05	8.75E-06	3.33E-02	1.05E-05	4.46E-06	2.34E-03	7.38E-07	4.24E-08	1.13E-03	3.58E-07	2.72E-08	8.73E-06	4.44E-06
5989	482686.28, 3854819.86	6.58E-02	2.08E-05	8.81E-06	3.37E-02	1.06E-05	4.52E-06	2.68E-03	8.44E-07	4.86E-08	1.22E-03	3.85E-07	2.92E-08	8.79E-06	4.50E-06
5990	482684.88, 3854720.01	6.66E-02	2.10E-05	8.92E-06	3.44E-02	1.09E-05	4.61E-06	3.08E-03	9.72E-07	5.59E-08	1.32E-03	4.17E-07	3.16E-08	8.90E-06	4.59E-06
5991	482683.47, 3854620.16	6.68E-02	2.11E-05	8.95E-06	3.48E-02	1.10E-05	4.67E-06	3.59E-03	1.13E-06	6.51E-08	1.45E-03	4.59E-07	3.48E-08	8.92E-06	4.64E-06
5992	482682.07, 3854520.31	6.70E-02	2.11E-05	8.97E-06	3.53E-02	1.11E-05	4.72E-06	4.15E-03	1.31E-06	7.53E-08	1.61E-03	5.08E-07	3.86E-08	8.93E-06	4.69E-06
5993	482680.66, 3854420.45	6.70E-02	2.11E-05	8.97E-06	3.57E-02	1.13E-05	4.78E-06	4.76E-03	1.50E-06	8.63E-08	1.81E-03	5.72E-07	4.34E-08	8.93E-06	4.73E-06
5994	482679.26, 3854320.6	6.68E-02	2.11E-05	8.94E-06	3.59E-02	1.13E-05	4.81E-06	5.29E-03	1.67E-06	9.61E-08	2.07E-03	6.53E-07	4.96E-08	8.90E-06	4.76E-06
5995	482677.85, 3854220.75	6.66E-02	2.10E-05	8.91E-06	3.61E-02	1.14E-05	4.83E-06	5.69E-03	1.80E-06	1.03E-07	2.43E-03	7.67E-07	5.82E-08	8.87E-06	4.79E-06
5996	482676.45, 3854120.9	6.54E-02	2.06E-05	8.76E-06	3.56E-02	1.12E-05	4.77E-06	5.87E-03	1.85E-06	1.07E-07	2.83E-03	8.93E-07	6.78E-08	8.72E-06	4.73E-06
5997	482675.04, 3854021.04	6.45E-02	2.04E-05	8.64E-06	3.53E-02	1.11E-05	4.73E-06	6.10E-03	1.93E-06	1.11E-07	3.32E-03	1.05E-06	7.95E-08	8.60E-06	4.70E-06
5998	482673.64, 3853921.19	6.19E-02	1.95E-05	8.29E-06	3.42E-02	1.08E-05	4.58E-06	6.33E-03	2.00E-06	1.15E-07	3.84E-03	1.21E-06	9.20E-08	8.27E-06	4.56E-06
5999	482672.23, 3853821.34	6.01E-02	1.90E-05	8.05E-06	3.36E-02	1.06E-05	4.50E-06	6.73E-03	2.12E-06	1.22E-07	4.44E-03	1.40E-06	1.06E-07	8.04E-06	4.49E-06
6000	482670.83, 3853721.48	5.85E-02	1.85E-05	7.83E-06	3.31E-02	1.04E-05	4.43E-06	7.19E-03	2.27E-06	1.31E-07	5.24E-03	1.65E-06	1.25E-07	7.83E-06	4.43E-06
6001	482669.42, 3853621.63	5.68E-02	1.79E-05	7.61E-06	3.27E-02	1.03E-05	4.37E-06	7.76E-03	2.45E-06	1.41E-07	6.37E-03	2.01E-06	1.52E-07	7.62E-06	4.38E-06
6002	482645.99, 3853446.13	5.27E-02	1.66E-05	7.05E-06	3.13E-02	9.89E-06	4.20E-06	8.84E-03	2.79E-06	1.60E-07	8.47E-03	2.67E-06	2.03E-07	7.09E-06	4.24E-06
6003	482623.96, 3853370.48	5.02E-02	1.59E-05	6.73E-06	3.02E-02	9.54E-06	4.05E-06	8.94E-03	2.82E-06	1.62E-07	8.96E-03	2.83E-06	2.15E-07	6.78E-06	4.10E-06
6004	482601.94, 3853294.84	4.85E-02	1.53E-05	6.49E-06	2.96E-02	9.35E-06	3.97E-06	9.36E-03	2.96E-06	1.70E-07	9.72E-03	3.07E-06	2.33E-07	6.55E-06	4.03E-06
6005	482531.29, 3853133.44	4.68E-02	1.48E-05	6.27E-06	2.97E-02	9.39E-06	3.98E-06	1.08E-02	3.40E-06	1.95E-07	1.12E-02	3.55E-06	2.69E-07	6.34E-06	4.06E-06
6006	482482.68, 3853047.69	4.61E-02	1.45E-05	6.17E-06	2.99E-02	9.43E-06	4.00E-06	1.16E-02	3.65E-06	2.10E-07	1.22E-02	3.84E-06	2.91E-07	6.25E-06	4.08E-06
6007	482383.08, 3852897.4	4.98E-02	1.57E-05	6.67E-06	3.53E-02	1.11E-05	4.72E-06	1.71E-02	5.40E-06	3.10E-07	1.81E-02	5.73E-06	4.35E-07	6.80E-06	4.85E-06
6008	482265.64, 3852765.26	5.05E-02	1.60E-05	6.77E-06	3.71E-02	1.17E-05	4.96E-06	1.93E-02	6.09E-06	3.50E-07	2.05E-02	6.47E-06	4.91E-07	6.91E-06	5.10E-06
6009	482199.16, 3852697.66	4.96E-02	1.57E-05	6.65E-06	3.65E-02	1.15E-05	4.89E-06	1.91E-02	6.03E-06	3.47E-07	2.03E-02	6.40E-06	4.86E-07	6.79E-06	5.03E-06
6010	482132.69, 3852630.07	4.87E-02	1.54E-05	6.52E-06	3.58E-02	1.13E-05	4.79E-06	1.88E-02	5.92E-06	3.41E-07	1.99E-02	6.28E-06	4.77E-07	6.65E-06	4.93E-06
6011	482066.21, 3852562.48	4.80E-02	1.51E-05	6.43E-06	3.54E-02	1.12E-05	4.73E-06	1.86E-02	5.87E-06	3.37E-07	1.97E-02	6.22E-06	4.72E-07	6.56E-06	4.87E-06
6012	481999.74, 3852494.89	4.72E-02	1.49E-05	6.32E-06	3.47E-02	1.10E-05	4.65E-06	1.83E-02	5.76E-06	3.31E-07	1.94E-02	6.11E-06	4.64E-07	6.45E-06	4.78E-06
6013	481933.26, 3852427.29	4.61E-02	1.46E-05	6.18E-06	3.39E-02	1.07E-05	4.54E-06	1.77E-02	5.60E-06	3.22E-07	1.88E-02	5.94E-06	4.51E-07	6.31E-06	4.67E-06
6014	481866.79, 3852359.7	4.56E-02	1.44E-05	6.11E-06	3.36E-02	1.06E-05	4.50E-06	1.76E-02	5.56E-06	3.20E-07	1.87E-02	5.90E-06	4.48E-07	6.24E-06	4.62E-06
6015	481800.31, 3852292.11	4.47E-02	1.41E-05	5.99E-06	3.28E-02	1.04E-05	4.40E-06	1.72E-02	5.42E-06	3.12E-07	1.82E-02	5.74E-06	4.36E-07	6.11E-06	4.52E-06
6016	481733.84, 3852224.52	4.40E-02	1.39E-05	5.90E-06	3.23E-02	1.02E-05	4.33E-06	1.69E-02	5.32E-06	3.06E-07	1.79E-02	5.64E-06	4.28E-07	6.02E-06	4.45E-06
6017	481667.36, 3852156.92	4.38E-02	1.38E-05	5.86E-06	3.22E-02	1.02E-05	4.31E-06	1.68E-02	5.32E-06	3.06E-07	1.78E-02	5.63E-06	4.27E-07	5.98E-06	4.43E-06
6018	481600.89, 3852089.33	4.31E-02	1.36E-05	5.77E-06	3.16E-02	9.98E-06	4.24E-06	1.65E-02	5.21E-06	3.00E-07	1.75E-02	5.51E-06	4.19E-07	5.89E-06	4.36E-06
6019	481534.41, 3852021.74	4.28E-02	1.35E-05	5.73E-06	3.14E-02	9.91E-06	4.20E-06	1.64E-02	5.17E-06	2.97E-07	1.74E-02	5.48E-06	4.16E-07	5.85E-06	4.32E-06
6020	481467.94, 3851954.15	4.25E-02	1.34E-05	5.69E-06	3.12E-02	9.84E-06	4.17E-06	1.63E-02	5.14E-06	2.95E-07	1.72E-02	5.44E-06	4.13E-07	5.80E-06	4.29E-06
6021	481401.46, 3851886.55	4.23E-02	1.34E-05	5.67E-06	3.11E-02	9.81E-06	4.16E-06	1.62E-02	5.12E-06	2.94E-07	1.72E-02	5.42E-06	4.11E-07	5.79E-06	4.28E-06
6022	481265.87, 3851761.43	3.96E-02	1.25E-05	5.31E-06	2.85E-02	8.99E-06	3.82E-06	1.42E-02	4.50E-06	2.59E-07	1.51E-02	4.75E-06	3.61E-07	5.41E-06	3.92E-06
6023	481196.74, 3851703.89	3.95E-02	1.25E-05	5.29E-06	2.78E-02	8.79E-06	3.73E-06	1.33E-02	4.21E-06	2.42E-07	1.40E-02	4.42E-06	3.36E-07	5.38E-06	3.82E-06
6024	481076.33, 3851619.04	3.95E-02	1.25E-05	5.29E-06	2.76E-02	8.71E-06	3.70E-06	1.30E-02	4.09E-06	2.35E-07	1.35E-02	4.26E-06	3.23E-07	5.38E-06	3.78E-06
6025	480939.8, 3851549.07	3.91E-02	1.23E-05	5.24E-06	2.72E-02	8.57E-06	3.64E-06	1.26E-02	3.97E-06	2.28E-07	1.30E-02	4.11E-06	3.12E-07	5.32E-06	3.72E-06
6026	480854.56, 3851506.41	3.94E-02	1.24E-05	5.28E-06	2.73E-02	8.63E-06	3.66E-06	1.26E-02	3.99E-06	2.29E-07	1.31E-02	4.14E-06	3.14E-07	5.37E-06	3.75E-06

6027	480769.32, 3851463.75	4.02E-02	1.27E-05	5.38E-06	2.78E-02	8.78E-06	3.72E-06	1.28E-02	4.03E-06	2.32E-07	1.33E-02	4.21E-06	3.19E-07	5.47E-06	3.81E-06
6028	480684.08, 3851421.08	4.09E-02	1.29E-05	5.48E-06	2.83E-02	8.92E-06	3.78E-06	1.29E-02	4.08E-06	2.35E-07	1.36E-02	4.28E-06	3.25E-07	5.57E-06	3.87E-06
6029	480598.84, 3851378.42	4.10E-02	1.29E-05	5.49E-06	2.83E-02	8.94E-06	3.79E-06	1.29E-02	4.08E-06	2.35E-07	1.36E-02	4.30E-06	3.27E-07	5.58E-06	3.88E-06
6030	480435.71, 3851275.01	4.70E-02	1.48E-05	6.30E-06	3.42E-02	1.08E-05	4.58E-06	1.75E-02	5.52E-06	3.18E-07	1.87E-02	5.91E-06	4.48E-07	6.43E-06	4.71E-06
6031	480347.85, 3851232.36	4.59E-02	1.45E-05	6.14E-06	3.35E-02	1.06E-05	4.48E-06	1.73E-02	5.45E-06	3.13E-07	1.86E-02	5.86E-06	4.45E-07	6.28E-06	4.61E-06
6032	480260, 3851189.72	4.54E-02	1.43E-05	6.08E-06	3.31E-02	1.04E-05	4.43E-06	1.70E-02	5.37E-06	3.09E-07	1.84E-02	5.82E-06	4.42E-07	6.21E-06	4.56E-06
6033	480172.15, 3851147.07	4.52E-02	1.43E-05	6.05E-06	3.28E-02	1.04E-05	4.39E-06	1.68E-02	5.30E-06	3.05E-07	1.83E-02	5.79E-06	4.39E-07	6.18E-06	4.53E-06
6034	480084.29, 3851104.42	4.51E-02	1.42E-05	6.04E-06	3.26E-02	1.03E-05	4.37E-06	1.66E-02	5.24E-06	3.01E-07	1.82E-02	5.75E-06	4.36E-07	6.17E-06	4.51E-06
6035	479996.44, 3851061.77	4.51E-02	1.42E-05	6.04E-06	3.26E-02	1.03E-05	4.36E-06	1.64E-02	5.19E-06	2.98E-07	1.81E-02	5.72E-06	4.34E-07	6.18E-06	4.50E-06
6036	479908.58, 3851019.13	4.57E-02	1.44E-05	6.12E-06	3.30E-02	1.04E-05	4.42E-06	1.67E-02	5.27E-06	3.03E-07	1.85E-02	5.85E-06	4.44E-07	6.26E-06	4.56E-06
6037	479820.73, 3850976.48	4.58E-02	1.45E-05	6.14E-06	3.30E-02	1.04E-05	4.41E-06	1.65E-02	5.21E-06	3.00E-07	1.84E-02	5.82E-06	4.41E-07	6.28E-06	4.56E-06
6038	479732.88, 3850933.83	4.65E-02	1.47E-05	6.23E-06	3.32E-02	1.05E-05	4.45E-06	1.64E-02	5.17E-06	2.97E-07	1.83E-02	5.78E-06	4.39E-07	6.37E-06	4.59E-06
6039	479645.02, 3850891.18	4.74E-02	1.49E-05	6.34E-06	3.36E-02	1.06E-05	4.50E-06	1.63E-02	5.15E-06	2.96E-07	1.83E-02	5.77E-06	4.38E-07	6.48E-06	4.64E-06
6040	479557.17, 3850848.54	4.79E-02	1.51E-05	6.41E-06	3.37E-02	1.07E-05	4.52E-06	1.62E-02	5.11E-06	2.94E-07	1.81E-02	5.72E-06	4.34E-07	6.55E-06	4.66E-06
6041	479469.32, 3850805.89	4.85E-02	1.53E-05	6.50E-06	3.42E-02	1.08E-05	4.58E-06	1.64E-02	5.16E-06	2.97E-07	1.83E-02	5.77E-06	4.38E-07	6.64E-06	4.72E-06
6042	479381.46, 3850763.24	4.85E-02	1.53E-05	6.49E-06	3.41E-02	1.08E-05	4.56E-06	1.62E-02	5.12E-06	2.94E-07	1.81E-02	5.70E-06	4.33E-07	6.63E-06	4.70E-06
6043	479293.61, 3850720.59	4.80E-02	1.52E-05	6.43E-06	3.37E-02	1.06E-05	4.51E-06	1.59E-02	5.03E-06	2.89E-07	1.77E-02	5.60E-06	4.25E-07	6.57E-06	4.64E-06
6044	479205.76, 3850677.95	4.76E-02	1.50E-05	6.38E-06	3.34E-02	1.05E-05	4.47E-06	1.57E-02	4.97E-06	2.86E-07	1.75E-02	5.52E-06	4.19E-07	6.51E-06	4.60E-06
6045	479117.9, 3850635.3	4.68E-02	1.48E-05	6.27E-06	3.26E-02	1.03E-05	4.37E-06	1.52E-02	4.81E-06	2.77E-07	1.69E-02	5.32E-06	4.04E-07	6.40E-06	4.50E-06
6046	479030.05, 3850592.65	4.59E-02	1.45E-05	6.15E-06	3.19E-02	1.01E-05	4.27E-06	1.48E-02	4.67E-06	2.69E-07	1.63E-02	5.15E-06	3.91E-07	6.27E-06	4.40E-06
6047	478942.19, 3850550	4.55E-02	1.44E-05	6.09E-06	3.19E-02	1.01E-05	4.27E-06	1.51E-02	4.76E-06	2.74E-07	1.66E-02	5.23E-06	3.97E-07	6.22E-06	4.39E-06
6048	478854.34, 3850507.36	4.61E-02	1.46E-05	6.18E-06	3.28E-02	1.04E-05	4.40E-06	1.61E-02	5.08E-06	2.92E-07	1.77E-02	5.58E-06	4.24E-07	6.31E-06	4.53E-06
6049	478766.49, 3850464.71	4.56E-02	1.44E-05	6.11E-06	3.26E-02	1.03E-05	4.37E-06	1.62E-02	5.10E-06	2.93E-07	1.77E-02	5.59E-06	4.24E-07	6.24E-06	4.50E-06
6050	478678.63, 3850422.06	4.51E-02	1.42E-05	6.05E-06	3.24E-02	1.02E-05	4.34E-06	1.61E-02	5.09E-06	2.93E-07	1.76E-02	5.57E-06	4.23E-07	6.18E-06	4.47E-06
6051	478590.78, 3850379.41	4.49E-02	1.42E-05	6.01E-06	3.23E-02	1.02E-05	4.32E-06	1.62E-02	5.10E-06	2.94E-07	1.76E-02	5.57E-06	4.23E-07	6.14E-06	4.45E-06
6052	478502.93, 3850336.77	4.46E-02	1.41E-05	5.97E-06	3.21E-02	1.01E-05	4.30E-06	1.61E-02	5.09E-06	2.93E-07	1.76E-02	5.54E-06	4.21E-07	6.10E-06	4.43E-06
6053	478415.07, 3850294.12	4.41E-02	1.39E-05	5.90E-06	3.18E-02	1.00E-05	4.25E-06	1.60E-02	5.05E-06	2.90E-07	1.73E-02	5.47E-06	4.16E-07	6.03E-06	4.38E-06
6054	478327.22, 3850251.47	4.38E-02	1.38E-05	5.86E-06	3.17E-02	1.00E-05	4.24E-06	1.61E-02	5.07E-06	2.92E-07	1.74E-02	5.50E-06	4.17E-07	5.99E-06	4.37E-06
6055	478239.36, 3850208.82	4.35E-02	1.37E-05	5.83E-06	3.16E-02	9.96E-06	4.23E-06	1.61E-02	5.08E-06	2.92E-07	1.74E-02	5.49E-06	4.17E-07	5.95E-06	4.35E-06
6056	478151.51, 3850166.18	4.34E-02	1.37E-05	5.81E-06	3.15E-02	9.93E-06	4.22E-06	1.61E-02	5.07E-06	2.92E-07	1.73E-02	5.47E-06	4.15E-07	5.93E-06	4.34E-06
6057	478063.66, 3850123.53	4.32E-02	1.36E-05	5.79E-06	3.14E-02	9.90E-06	4.20E-06	1.60E-02	5.05E-06	2.91E-07	1.72E-02	5.43E-06	4.12E-07	5.91E-06	4.32E-06
6058	477975.8, 3850080.88	4.24E-02	1.34E-05	5.67E-06	3.07E-02	9.69E-06	4.11E-06	1.56E-02	4.93E-06	2.83E-07	1.68E-02	5.29E-06	4.02E-07	5.79E-06	4.23E-06
6059	477887.95, 3850038.23	4.22E-02	1.33E-05	5.65E-06	3.06E-02	9.64E-06	4.09E-06	1.55E-02	4.91E-06	2.82E-07	1.67E-02	5.26E-06	3.99E-07	5.76E-06	4.21E-06
6060	477800.1, 3849995.59	4.17E-02	1.32E-05	5.59E-06	3.02E-02	9.53E-06	4.04E-06	1.53E-02	4.83E-06	2.78E-07	1.64E-02	5.17E-06	3.92E-07	5.70E-06	4.16E-06
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6062	477624.39, 3849910.29	4.13E-02	1.30E-05	5.53E-06	3.00E-02	9.47E-06	4.02E-06	1.54E-02	4.85E-06	2.79E-07	1.64E-02	5.16E-06	3.92E-07	5.64E-06	4.13E-06
6063	477536.54, 3849867.64	4.05E-02	1.28E-05	5.42E-06	2.95E-02	9.30E-06	3.95E-06	1.51E-02	4.78E-06	2.75E-07	1.61E-02	5.08E-06	3.86E-07	5.53E-06	4.06E-06
6064	477448.68, 3849825	4.01E-02	1.27E-05	5.37E-06	2.93E-02	9.24E-06	3.92E-06	1.51E-02	4.76E-06	2.74E-07	1.60E-02	5.05E-06	3.83E-07	5.48E-06	4.03E-06
6065	477360.83, 3849782.35	3.98E-02	1.26E-05	5.33E-06	2.90E-02	9.15E-06	3.88E-06	1.49E-02	4.72E-06	2.71E-07	1.58E-02	5.00E-06	3.79E-07	5.43E-06	3.99E-06
6066	477272.97, 3849739.7	3.95E-02	1.25E-05	5.29E-06	2.87E-02	9.07E-06	3.85E-06	1.47E-02	4.65E-06	2.67E-07	1.56E-02	4.91E-06	3.73E-07	5.40E-06	3.95E-06
6067	477185.12, 3849697.05	3.95E-02	1.25E-05	5.28E-06	2.87E-02	9.05E-06	3.84E-06	1.47E-02	4.63E-06	2.66E-07	1.55E-02	4.88E-06	3.70E-07	5.39E-06	3.94E-06
6068	477097.27, 3849654.41	3.98E-02	1.26E-05	5.33E-06	2.89E-02	9.13E-06	3.88E-06	1.48E-02	4.69E-06	2.69E-07	1.56E-02	4.93E-06	3.74E-07	5.43E-06	3.98E-06
6069	477009.41, 3849611.76	4.05E-02	1.28E-05	5.42E-06	2.96E-02	9.34E-06	3.96E-06	1.53E-02	4.84E-06	2.78E-07	1.61E-02	5.08E-06	3.85E-07	5.53E-06	4.07E-06
6070	476841.49, 3849530.08	4.11E-02	1.30E-05	5.50E-06	3.00E-02	9.45E-06	4.01E-06	1.54E-02	4.87E-06	2.80E-07	1.61E-02	5.10E-06	3.87E-07	5.60E-06	4.12E-06
6071	476761.41, 3849491.05	4.12E-02	1.30E-05	5.52E-06	3.00E-02	9.48E-06	4.02E-06	1.54E-02	4.87E-06	2.80E-07	1.61E-02	5.09E-06	3.86E-07	5.63E-06	4.13E-06
6072	476681.34, 3849452.02	4.21E-02	1.33E-05	5.64E-06	3.07E-02	9.69E-06	4.11E-06	1.58E-02	5.00E-06	2.87E-07	1.65E-02	5.21E-06	3.95E-07	5.75E-06	4.22E-06
6073	476601.26, 3849412.99	4.38E-02	1.38E-05	5.87E-06	3.20E-02	1.01E-05	4.29E-06	1.66E-02	5.25E-06	3.02E-07	1.73E-02	5.46E-06	4.15E-07	5.98E-06	4.40E-06
6074	476456.32, 3849353.67	4.78E-02	1.51E-05	6.40E-06	3.56E-02	1.12E-05	4.77E-06	1.91E-02	6.04E-06	3.47E-07	1.99E-02	6.30E-06	4.78E-07	6.53E-06	4.90E-06
6075	476305.43, 3849318.83	4.60E-02	1.45E-05	6.16E-06	3.42E-02	1.08E-05	4.58E-06	1.83E-02	5.77E-06	3.32E-07	1.92E-02	6.05E-06	4.59E-07	6.29E-06	4.71E-06
6076	476129.36, 3849289.99	4.32E-02	1.37E-05	5.79E-06	3.18E-02	1.00E-05	4.25E-06	1.66E-02	5.24E-06	3.01E-07	1.74E-02	5.50E-06	4.18E-07	5.91E-06	4.37E-06
6077	476039.31, 3849275.68	4.22E-02	1.33E-05	5.65E-06	3.08E-02	9.74E-06	4.13E-06	1.60E-02	5.05E-06	2.91E-07	1.68E-02	5.30E-06	4.02E-07	5.76E-06	4.24E-06
6078	475949.26, 3849261.38	4.24E-02	1.34E-05	5.67E-06	3.11E-02	9.81E-06	4.16E-06	1.62E-02	5.12E-06	2.94E-07	1.70E-02	5.36E-06	4.07E-07	5.79E-06	4.28E-06
6079	475859.21, 3849247.08	4.10E-02	1.29E-05	5.49E-06	2.99E-02	9.43E-06	4.00E-06	1.54E-02	4.85E-06	2.79E-07	1.61E-02	5.07E-06	3.85E-07	5.60E-06	4.11E-06
6080	475769.16, 3849232.77	4.01E-02	1.27E-05	5.38E-06	2.90E-02	9.17E-06	3.89E-06	1.47E-02	4.65E-06	2.67E-07	1.54E-02	4.86E-06	3.69E-07	5.48E-06	3.99E-06
6081	475585.22, 3849219.27	2.77E-02	8.74E-06	3.71E-06	1.90E-02	6.00E-06	2.55E-06	8.58E-03	2.71E-06	1.56E-07	8.99E-03	2.84E-06	2.15E-07	3.77E-06	2.61E-06
6082	475444.49, 3849150.34	4.75E-02	1.50E-05	6.37E-06	3.41E-02	1.08E-05	4.56E-06	1.69E-02	5.34E-06	3.07E-07	1.77E-02	5.59E-06	4.24E-07	6.48E-06	4.68E-06
6083	475334.17, 3849118.71	3.86E-02	1.22E-05	5.17E-06	2.79E-02	8.80E-06	3.73E-06	1.41E-02	4.45E-06	2.56E-07	1.47E-02	4.65E-06	3.53E-07	5.26E-06	3.83E-06
6084	475230.46, 3849060.57	4.33E-02	1.37E-05	5.80E-06	3.18E-02	1.00E-05	4.25E-06	1.66E-02	5.23E-06	3.01E-07	1.73E-02	5.47E-06	4.15E-07	5.91E-06	4.37E-06
6085	475110.86, 3848960.97	4.61E-02	1.45E-05	6.17E-06	3.48E-02	1.10E-05	4.66E-06	1.91E-02	6.03E-06	3.47E-07	2.01E-02	6.35E-06	4.82E-07	6.30E-06	4.79E-06
6086	475037.79, 3848896.28	4.65E-02	1.47E-05	6.22E-06	3.56E-02	1.12E-05	4.76E-06	2.00E-02	6.33E-06	3.64E-07	2.11E-02	6.65E-06	5.05E-07	6.37E-06	4.90E-06
6087	474964.72, 3848831.59	4.73E-02	1.49E-05	6.34E-06	3.65E-02	1.15E-05	4.89E-06	2.09E-02	6.59E-06	3.79E-07	2.19E-02	6.93E-06	5.26E-07	6.48E-06	5.03E-06
6088	474891.65, 3848766.9	4.70E-02	1.48E-05	6.29E-06	3.67E-02	1.16E-05	4.91E-06	2.14E-02	6.74E-06	3.88E-07	2.25E-02	7.09E-06	5.38E-07	6.44E-06	5.06E-06
6089	474818.58, 3848702.22	4.73E-02	1.49E-05	6.34E-06	3.74E-02	1.18E-05	5.01E-06	2.22E-02	7.01E-06	4.03E-07	2.34E-02	7.37E-06	5.59E-07	6.49E-06	5.16E-06
6090	474745.51, 3848637.53	4.40E-02	1.39E-05	5.89E-06	3.53E-02	1.11E-05	4.72E-06	2.15E-02	6.78E-06	3.90E-07	2.26E-02	7.12E-06	5.40E-07	6.04E-06	4.87E-06
6091	474672.44, 3848572.84	4.37E-02	1.38E-05	5.86E-06	3.55E-02	1.12E-05	4.75E-06	2.20E-02	6.94E-06	3.99E-07	2.31E-02	7.29E-06	5.53E-07	6.01E-06	4.90E-06
6092	474599.37, 3848508.15	4.52E-02	1.43E-05	6.05E-06	3.71E-02	1.17E-05	4.96E-06	2.34E-02	7.37E-06	4.24E-07	2.45E-02	7.74E-06	5.88E-07	6.21E-06	5.13E-06
6093	474526.3, 3848443.46	4.54E-02	1.43E-05	6.08E-06	3.76E-02	1.19E-05	5.04E-06	2.41E-02	7.59E-06	4.37E-07	2.53E-02	7.97E-06	6.05E-07	6.25E-06	5.21E-06

Construction - Worker Risk

		Unmitigated			Mitigated			Existing Main			S. Main			Total Risk	
Rec#	X, Y	Concentratio	Dose	Risk	Concentratio	Dose	Risk	Concentra	Dose	Risk	Concentrat	Dose	Risk	Unmitigate	Mitigated
1	485973.61, 3854936.51	0.0503216	1.90E-05	7.47E-06	2.53E-02	9.57E-06	3.76E-06	1.26E-03	4.76E-07	1.20E-08	3.05E-03	1.15E-06	2.92E-08	7.49E-06	3.78E-06
2	486023.61, 3854936.51	0.0492307	1.86E-05	7.31E-06	2.48E-02	9.36E-06	3.68E-06	1.24E-03	4.67E-07	1.18E-08	2.93E-03	1.11E-06	2.80E-08	7.33E-06	3.69E-06
3	486073.61, 3854936.51	0.0479991	1.81E-05	7.13E-06	2.42E-02	9.13E-06	3.59E-06	1.22E-03	4.61E-07	1.17E-08	2.83E-03	1.07E-06	2.71E-08	7.14E-06	3.60E-06
4	486123.61, 3854936.51	0.0468336	1.77E-05	6.96E-06	2.36E-02	8.91E-06	3.50E-06	1.19E-03	4.51E-07	1.14E-08	2.70E-03	1.02E-06	2.59E-08	6.97E-06	3.51E-06
5	486173.61, 3854936.51	0.0460232	1.74E-05	6.84E-06	2.32E-02	8.76E-06	3.44E-06	1.18E-03	4.47E-07	1.13E-08	2.64E-03	9.97E-07	2.52E-08	6.85E-06	3.45E-06
6	486223.61, 3854936.51	0.0450764	1.70E-05	6.70E-06	2.27E-02	8.58E-06	3.37E-06	1.16E-03	4.39E-07	1.11E-08	2.54E-03	9.62E-07	2.43E-08	6.71E-06	3.38E-06
7	486273.61, 3854936.51	0.0442039	1.67E-05	6.57E-06	2.23E-02	8.41E-06	3.31E-06	1.15E-03	4.34E-07	1.10E-08	2.46E-03	9.32E-07	2.36E-08	6.58E-06	3.32E-06
8	486323.61, 3854936.51	0.0434025	1.64E-05	6.45E-06	2.19E-02	8.26E-06	3.25E-06	1.13E-03	4.28E-07	1.08E-08	2.39E-03	9.05E-07	2.29E-08	6.46E-06	3.26E-06
9	485973.61, 3854986.51	0.0525909	1.99E-05	7.81E-06	2.64E-02	9.99E-06	3.93E-06	1.29E-03	4.87E-07	1.23E-08	3.18E-03	1.20E-06	3.04E-08	7.83E-06	3.94E-06
10	486023.61, 3854986.51	0.0514334	1.94E-05	7.64E-06	2.59E-02	9.78E-06	3.84E-06	1.27E-03	4.80E-07	1.21E-08	3.06E-03	1.16E-06	2.92E-08	7.66E-06	3.86E-06
11	486073.61, 3854986.51	0.0502859	1.90E-05	7.47E-06	2.53E-02	9.56E-06	3.75E-06	1.25E-03	4.71E-07	1.19E-08	2.93E-03	1.11E-06	2.81E-08	7.49E-06	3.77E-06
12	486123.61, 3854986.51	0.0492258	1.86E-05	7.31E-06	2.48E-02	9.36E-06	3.68E-06	1.23E-03	4.63E-07	1.17E-08	2.82E-03	1.07E-06	2.70E-08	7.33E-06	3.69E-06
13	486173.61, 3854986.51	0.0480254	1.82E-05	7.13E-06	2.42E-02	9.13E-06	3.59E-06	1.21E-03	4.57E-07	1.16E-08	2.74E-03	1.03E-06	2.62E-08	7.15E-06	3.60E-06
14	486223.61, 3854986.51	0.0469939	1.78E-05	6.98E-06	2.36E-02	8.94E-06	3.51E-06	1.19E-03	4.50E-07	1.14E-08	2.64E-03	9.97E-07	2.52E-08	6.99E-06	3.53E-06
15	486273.61, 3854986.51	0.0459607	1.74E-05	6.83E-06	2.31E-02	8.74E-06	3.43E-06	1.17E-03	4.41E-07	1.12E-08	2.54E-03	9.59E-07	2.43E-08	6.84E-06	3.45E-06
16	486323.61, 3854986.51	0.0452401	1.71E-05	6.72E-06	2.28E-02	8.61E-06	3.38E-06	1.16E-03	4.39E-07	1.11E-08	2.48E-03	9.39E-07	2.38E-08	6.73E-06	3.39E-06
17	485973.61, 3855036.51	0.0549734	2.08E-05	8.17E-06	2.76E-02	1.04E-05	4.10E-06	1.32E-03	5.00E-07	1.26E-08	3.31E-03	1.25E-06	3.17E-08	8.18E-06	4.12E-06
18	486023.61, 3855036.51	0.0536757	2.03E-05	7.97E-06	2.70E-02	1.02E-05	4.01E-06	1.30E-03	4.92E-07	1.24E-08	3.18E-03	1.20E-06	3.04E-08	7.99E-06	4.02E-06
19	486073.61, 3855036.51	0.0524126	1.98E-05	7.78E-06	2.63E-02	9.96E-06	3.91E-06	1.27E-03	4.82E-07	1.22E-08	3.04E-03	1.15E-06	2.91E-08	7.80E-06	3.93E-06
20	486123.61, 3855036.51	0.0512678	1.94E-05	7.61E-06	2.58E-02	9.74E-06	3.83E-06	1.25E-03	4.73E-07	1.20E-08	2.92E-03	1.11E-06	2.80E-08	7.63E-06	3.84E-06
21	486173.61, 3855036.51	0.0502324	1.90E-05	7.46E-06	2.52E-02	9.55E-06	3.75E-06	1.24E-03	4.68E-07	1.18E-08	2.83E-03	1.07E-06	2.71E-08	7.48E-06	3.77E-06
22	486223.61, 3855036.51	0.0488953	1.85E-05	7.26E-06	2.46E-02	9.29E-06	3.65E-06	1.21E-03	4.59E-07	1.16E-08	2.72E-03	1.03E-06	2.60E-08	7.28E-06	3.67E-06
23	486273.61, 3855036.51	0.0479868	1.81E-05	7.13E-06	2.41E-02	9.12E-06	3.58E-06	1.20E-03	4.54E-07	1.15E-08	2.65E-03	1.00E-06	2.53E-08	7.14E-06	3.60E-06
24	486323.61, 3855036.51	0.0469995	1.78E-05	6.98E-06	2.36E-02	8.94E-06	3.51E-06	1.18E-03	4.47E-07	1.13E-08	2.56E-03	9.66E-07	2.45E-08	6.99E-06	3.52E-06
25	485973.61, 3855086.51	0.0573431	2.17E-05	8.52E-06	2.88E-02	1.09E-05	4.28E-06	1.36E-03	5.12E-07	1.30E-08	3.45E-03	1.30E-06	3.30E-08	8.54E-06	4.30E-06
26	486023.61, 3855086.51	0.0560471	2.12E-05	8.32E-06	2.81E-02	1.06E-05	4.18E-06	1.33E-03	5.05E-07	1.28E-08	3.31E-03	1.25E-06	3.17E-08	8.34E-06	4.20E-06
27	486073.61, 3855086.51	0.0546712	2.07E-05	8.12E-06	2.75E-02	1.04E-05	4.08E-06	1.31E-03	4.94E-07	1.25E-08	3.16E-03	1.20E-06	3.03E-08	8.14E-06	4.10E-06
28	486123.61, 3855086.51	0.0534489	2.02E-05	7.94E-06	2.68E-02	1.02E-05	3.99E-06	1.29E-03	4.87E-07	1.23E-08	3.05E-03	1.15E-06	2.92E-08	7.96E-06	4.00E-06
29	486173.61, 3855086.51	0.0522308	1.97E-05	7.76E-06	2.62E-02	9.92E-06	3.90E-06	1.26E-03	4.77E-07	1.21E-08	2.93E-03	1.11E-06	2.80E-08	7.77E-06	3.91E-06
30	486223.61, 3855086.51	0.0511355	1.93E-05	7.60E-06	2.57E-02	9.71E-06	3.82E-06	1.25E-03	4.71E-07	1.19E-08	2.83E-03	1.07E-06	2.70E-08	7.61E-06	3.83E-06
31	485973.61, 3855136.51	0.0596316	2.25E-05	8.86E-06	2.99E-02	1.13E-05	4.45E-06	1.40E-03	5.28E-07	1.34E-08	3.61E-03	1.36E-06	3.45E-08	8.88E-06	4.47E-06
32	486023.61, 3855136.51	0.0582836	2.20E-05	8.66E-06	2.93E-02	1.11E-05	4.35E-06	1.37E-03	5.18E-07	1.31E-08	3.45E-03	1.30E-06	3.30E-08	8.68E-06	4.36E-06
33	486073.61, 3855136.51	0.0569913	2.15E-05	8.47E-06	2.86E-02	1.08E-05	4.25E-06	1.34E-03	5.08E-07	1.28E-08	3.30E-03	1.25E-06	3.16E-08	8.48E-06	4.27E-06
34	486123.61, 3855136.51	0.0556803	2.11E-05	8.27E-06	2.80E-02	1.06E-05	4.15E-06	1.32E-03	4.99E-07	1.26E-08	3.17E-03	1.20E-06	3.03E-08	8.29E-06	4.17E-06
35	486173.61, 3855136.51	0.0543821	2.06E-05	8.08E-06	2.73E-02	1.03E-05	4.06E-06	1.30E-03	4.90E-07	1.24E-08	3.04E-03	1.15E-06	2.91E-08	8.09E-06	4.07E-06
36	486223.61, 3855136.51	0.0531695	2.01E-05	7.90E-06	2.67E-02	1.01E-05	3.97E-06	1.28E-03	4.82E-07	1.22E-08	2.93E-03	1.11E-06	2.80E-08	7.91E-06	3.98E-06
37	485973.61, 3855186.51	0.0619362	2.34E-05	9.20E-06	3.11E-02	1.17E-05	4.62E-06	1.44E-03	5.43E-07	1.37E-08	3.78E-03	1.43E-06	3.61E-08	9.22E-06	4.64E-06
38	486023.61, 3855186.51	0.060505	2.29E-05	8.99E-06	3.04E-02	1.15E-05	4.51E-06	1.41E-03	5.33E-07	1.35E-08	3.61E-03	1.37E-06	3.45E-08	9.01E-06	4.53E-06
39	486073.61, 3855186.51	0.0591759	2.24E-05	8.79E-06	2.97E-02	1.12E-05	4.41E-06	1.38E-03	5.21E-07	1.32E-08	3.44E-03	1.30E-06	3.29E-08	8.81E-06	4.43E-06
40	486123.61, 3855186.51	0.0578919	2.19E-05	8.60E-06	2.90E-02	1.10E-05	4.31E-06	1.35E-03	5.10E-07	1.29E-08	3.28E-03	1.24E-06	3.14E-08	8.62E-06	4.33E-06
41	486173.61, 3855186.51	0.0565657	2.14E-05	8.40E-06	2.84E-02	1.07E-05	4.22E-06	1.33E-03	5.01E-07	1.27E-08	3.15E-03	1.19E-06	3.01E-08	8.42E-06	4.23E-06
42	486223.61, 3855186.51	0.0552565	2.09E-05	8.21E-06	2.77E-02	1.05E-05	4.12E-06	1.30E-03	4.93E-07	1.25E-08	3.03E-03	1.15E-06	2.90E-08	8.22E-06	4.14E-06
43	486273.61, 3855186.51	0.0540009	2.04E-05	8.02E-06	2.71E-02	1.03E-05	4.03E-06	1.28E-03	4.84E-07	1.22E-08	2.91E-03	1.10E-06	2.79E-08	8.04E-06	4.04E-06
44	486323.61, 3855186.51	0.0529663	2.00E-05	7.87E-06	2.66E-02	1.01E-05	3.95E-06	1.27E-03	4.82E-07	1.22E-08	2.85E-03	1.08E-06	2.73E-08	7.88E-06	3.97E-06
45	485973.61, 3855236.51	0.0642973	2.43E-05	9.55E-06	3.23E-02	1.22E-05	4.79E-06	1.48E-03	5.59E-07	1.41E-08	3.95E-03	1.49E-06	3.78E-08	9.57E-06	4.81E-06
46	486023.61, 3855236.51	0.06284	2.38E-05	9.33E-06	3.15E-02	1.19E-05	4.68E-06	1.44E-03	5.46E-07	1.38E-08	3.76E-03	1.42E-06	3.59E-08	9.36E-06	4.70E-06
47	486073.61, 3855236.51	0.0614364	2.32E-05	9.13E-06	3.08E-02	1.17E-05	4.58E-06	1.41E-03	5.33E-07	1.35E-08	3.57E-03	1.35E-06	3.41E-08	9.15E-06	4.60E-06
48	486123.61, 3855236.51	0.0600474	2.27E-05	8.92E-06	3.01E-02	1.14E-05	4.47E-06	1.38E-03	5.23E-07	1.32E-08	3.41E-03	1.29E-06	3.27E-08	8.94E-06	4.49E-06
49	486173.61, 3855236.51	0.0587171	2.22E-05	8.72E-06	2.95E-02	1.11E-05	4.38E-06	1.36E-03	5.13E-07	1.30E-08	3.27E-03	1.24E-06	3.13E-08	8.74E-06	4.39E-06
50	486223.61, 3855236.51	0.0574291	2.17E-05	8.53E-06	2.88E-02	1.09E-05	4.28E-06	1.33E-03	5.04E-07	1.28E-08	3.14E-03	1.19E-06	3.00E-08	8.55E-06	4.30E-06
51	486273.61, 3855236.51	0.0560088	2.12E-05	8.32E-06	2.81E-02	1.06E-05	4.17E-06	1.30E-03	4.92E-07	1.25E-08	2.99E-03	1.13E-06	2.86E-08	8.34E-06	4.19E-06
52	486323.61, 3855236.51	0.0549736	2.08E-05	8.17E-06	2.76E-02	1.04E-05	4.10E-06	1.30E-03	4.93E-07	1.25E-08	2.94E-03	1.11E-06	2.82E-08	8.18E-06	4.12E-06
53	485973.61, 3855286.51	0.0667445	2.52E-05	9.91E-06	3.35E-02	1.27E-05	4.97E-06	1.52E-03	5.75E-07	1.45E-08	4.14E-03	1.56E-06	3.96E-08	9.94E-06	5.00E-06
54	486023.61, 3855286.51	0.0652234	2.47E-05	9.69E-06	3.27E-02	1.24E-05	4.86E-06	1.48E-03	5.60E-07	1.42E-08	3.92E-03	1.48E-06	3.75E-08	9.71E-06	4.88E-06
55	486073.61, 3855286.51	0.0637119	2.41E-05	9.46E-06	3.19E-02	1.21E-05	4.75E-06	1.45E-03	5.48E-07	1.39E-08	3.73E-03	1.41E-06	3.56E-08	9.49E-06	4.77E-06
56	486123.61, 3855286.51	0.0622838	2.35E-05	9.25E-06	3.12E-02	1.18E-05	4.64E-06	1.42E-03	5.35E-07	1.35E-08	3.55E-03	1.34E-06	3.39E-08	9.27E-06	4.66E-06
57	486173.61, 3855286.51	0.0608917	2.30E-05	9.04E-06	3.05E-02	1.15E-05	4.54E-06	1.39E-03	5.25E-07	1.33E-08	3.39E-03	1.28E-06	3.24E-08	9.06E-06	4.55E-06
58	486223.61, 3855286.51	0.0595238	2.25E-05	8.84E-06	2.99E-02	1.13E-05	4.43E-06	1.36E-03	5.16E-07	1.31E-08	3.25E-03	1.23E-06	3.11E-08	8.86E-06	4.45E-06
59	486123.61, 3855336.51	0.0645928	2.44E-05	9.59E-06	3.24E-02	1.22E-05	4.81E-06	1.45E-03	5.48E-07	1.39E-08	3.69E-03	1.39E-06	3.53E-08	9.62E-06	4.83E-06
60	486173.61, 3855336.51	0.0630933	2.39E-05	9.37E-06	3.16E-02	1.20E-05	4.70E-06	1.42E-03	5.38E-07	1.36E-08	3.52E-03	1.33E-06	3.37E-08	9.39E-06	4.72E-06
61	486223.61, 3855336.51	0.0616633	2.33E-05	9.16E-06	3.09E-02	1.17E-05	4.59E-06	1.40E-03	5.28E-07	1.34E-08	3.37E-03	1.27E-06	3.22E-08	9.18E-06	4.61E-06
62	486123.61, 3855386.51	0.0669664	2.53E-05	9.95E-06	3.36E-02	1.27E-05	4.98E-06	1.49E-03	5.63E-07	1.43E-08	3.85E-03	1.45E-06	3.68E-08	9.97E-06	5.01E-06
63	486173.61, 3855386.51	0.0653649	2.47E-05	9.71E-06	3.28E-02	1.24E-05	4.87E-06	1.46E-03	5.52E-07	1.40E-08	3.67E-03	1.39E-06	3.51E-08	9.73E-06	4.89E-06
64	486223.61, 3855386.51	0.0638386	2.41E-05	9.48E-06	3.20E-02	1.21E-05	4.75E-06	1.43E-03	5.42E-07	1.37E-08	3.51E-03	1.33E-06	3.36E-08	9.50E-06	4.77E-06
65	486533.18, 3855443.15	0.0578187	2.19E-05	8.59E-06	2.90E-02	1.10E-05	4.31E-06	1.34E-03	5.06E-07	1.28E-08	2.90E-03	1.10E-06	2.78E-08	8.60E-06	4.32E-06
66	486583.18, 3855443.15	0.0566626	2.14E-05	8.42E-06	2.84E-02	1.07E-05	4.22E-06	1.32E-03	4.98E-07	1.26E-08	2.80E-03	1.06E-06	2.68E-08	8.43E-06	4.24E-06
67	486633.18, 3855443.15	0.0555093	2.10E-05	8.24E-06	2.79E-02	1.05E-05	4.14E-06	1.30E-03	4.90E-07	1.24E-08	2.71E-03	1.03E-06	2.59E-08	8.26E-06	4.15E-06
68	486683.18, 3855443.15	0.0543926	2.06E-05	8.08E-06	2.73E-02	1.03E-05	4.06E-06	1.28E-03	4.84E-07	1.22E-08	2.64E-03	9.97E-07	2.52E-08	8.09E-06	4.07E-06
69	486533.18, 3855493.15	0.0596673	2.26E-05	8.86E-06	2.99E-02	1.13E-05	4.44E-06	1.37E-03	5.17E-07	1.31E-08	3.00E-03	1.13E-06	2.87E-08	8.88E-06	4.46E-06
70	486583.18, 3855493.15	0.0584431	2.21E-05	8.68E-06	2.93E-02	1.11E-05	4.35E-06	1.35E-03	5.09E-07	1.29E-08	2.90E-03	1.09E-06	2.77E-08	8.70E-06	4.37E-06
71	486633.18, 3855493.15	0.0572757	2.17E-05	8.51E-06	2.87E-02	1.09E-05	4.27E-06	1.33E-03	5.01E-07	1.27E-08	2.80E-03	1.06E-06	2.68E-08	8.52E-06	4.28E-06
72	486683.18, 3855493.15	0.0561368	2.12E-05	8.34E-06	2.82E-02	1.06E-05	4.18E-06	1.30E-03	4.93E-07	1.25E-08	2.71E-03	1.02E-06	2.59E-08	8.35E-06	4.20E-06
73	486533.18, 3855543.15	0.0615374	2.33E-05	9.14E-06	3.09E-02	1.17E-05	4.58E-06	1.40E-03	5.29E-07	1.34E-08	3.10E-03	1.17E-06	2.97E-08	9.16E-06	4.60E-06
74	486583.18, 3855543.15	0.0602878	2.28E-05	8.95E-06	3.02E-02	1.14E-05	4.49E-06	1.37E-03	5.19E-07	1.31E-08	2.98E-03	1.13E-06	2.85E-08	8.97E-06	4.51E-06
75	486633.18, 3855543.15	0.0590522	2.23E-05	8.77E-06	2.96E-02	1.12E-05	4.40E-06	1.35E-03	5.11E-07	1.29E-08	2.88E-03	1.09E-06	2.76E-08	8.79E-06	4.41E-06
76	486683.18, 3855543.15	0.0578905	2.19E-05	8.60E-06	2.90E-02	1.10E-05	4.31E-06	1.33E-03	5.02E-07	1.27E-08	2.77E-03	1.05E-06	2.65E-08	8.61E-06	4.33E-06
77	486533.18, 3855593.15	0.0635003	2.40E-05	9.43E-06	3.18E-02	1.20E-05	4.73E-06	1.43E-03	5.41E-07	1.37E-08	3.21E-03	1.21E-06	3.07E-08	9.45E-06	4.75E-06
78	486583.18, 3855593.15	0.0621589	2.35E-05	9.23E-06	3.12E-02	1.18E-05	4.63E-06	1.41E-03	5.31E-07	1.34E-08	3.08E-03	1.17E-06	2.95E-08	9.25E-06	4.64E-06
79	486633.18, 3855593.15	0.0608763	2.30E-05	9.04E-06	3.05E-02	1.15E-05	4.53E-06	1.38E-03	5.22E-07	1.32E-08	2.97E-03	1.12E-06	2.84E-08	9.06E-06	4.55E-06
80	486683.18, 3855593.15	0.0596143	2.25E-05	8.85E-06	2.99E-02	1.13E-05	4.44E-06	1.36E-03	5.15E-07	1.30E-08	2.87E-03	1.09E-06	2.75E-08	8.87E-06	4.45E-06
81	486533.18, 3855643.15	0.0655276	2.48E-05	9.73E-06	3.28E-02	1.24E-05	4.88E-06	1.46E-03	5.54E-07	1.40E-08	3.32E-03	1.26E-06	3.18E-08	9.75E-06	4.90E-06
82	486583.18, 3855643.15	0.0641018	2.42E-05	9.52E-06	3.21E-02	1.21E-05	4.77E-06	1.44E-03	5.44E-07	1.38E-08	3.19E-03	1.21E-06	3.05E-08	9.54E-06	4.79E-06
83	486633.18, 3855643.15	0.0627339	2.37E-05	9.32E-06	3.14E-02	1.19E-05	4.67E-06	1.41E-03	5.34E-07	1.35E-08	3.07E-03	1.16E-06	2.94E-08	9.33E-06	4.69E-06
84	486683.18, 3855643.15	0.061425	2.32E-05	9.12E-06	3.08E-02	1.16E-05	4.57E-06	1.39E-03	5.25E-07	1.33E-08	2.97E-03	1.12E-06	2.84E-08	9.14E-06	4.59E-06
85	486533.18, 3855693.15	0.0675675	2.55E-05	1.00E-05	3.39E-02	1.28E-05	5.03E-06	1.50E-03	5.69E-07	1.44E-08	3.47E-03	1.31E-06	3.31E-08	1.01E-05	5.05E-06
86	486583.18, 3855693.15	0.0661401	2.50E-05	9.82E-06	3.31E-02	1.25E-05	4.92E-06	1.47E-03	5.56E-07	1.41E-08	3.31E-03	1.25E-06	3.16E-08	9.84E-06	4.94E-06
87	486633.18, 3855693.15	0.0647571	2.45E-05	9.62E-06	3.24E-02	1.23E-05	4.82E-06	1.44E-03	5.43E-07	1.37E-08	3.16E-03	1.19E-06	3.02E-08	9.64E-06	4.84E-06
88	486683.18, 3855693.15	0.0632954	2.39E-05	9.40E-06	3.17E-02	1.20E-05	4.71E-06	1.42E-03	5.37E-07	1.36E-08	3.06E-03	1.16E-06	2.93E-08	9.42E-06	4.73E-06
89	486733.18, 3855693.15	0.0618736	2.34E-05	9.19E-06	3.10E-02	1.17E-05	4.61E-06	1.41E-03	5.32E-07	1.35E-08	2.99E-03	1.13E-06	2.86E-08	9.21E-06	4.62E-06
90	486783.18, 3855693.15	0.0604865	2.29E-05	8.98E-06	3.03E-02	1.15E-05	4.51E-06	1.40E-03	5.29E-07	1.34E-08	2.93E-03	1.11E-06	2.80E-08	9.00E-06	4.52E-06

91	486533.18, 3855743.15	0.0697561	2.64E-05	1.04E-05	3.49E-02	1.32E-05	5.19E-06	1.54E-03	5.82E-07	1.47E-08	3.61E-03	1.37E-06	3.46E-08	1.04E-05	5.21E-06
92	486583.18, 3855743.15	0.0683017	2.58E-05	1.01E-05	3.42E-02	1.29E-05	5.08E-06	1.50E-03	5.67E-07	1.43E-08	3.42E-03	1.29E-06	3.27E-08	1.02E-05	5.10E-06
93	486633.18, 3855743.15	0.0667735	2.52E-05	9.92E-06	3.35E-02	1.26E-05	4.97E-06	1.47E-03	5.56E-07	1.41E-08	3.28E-03	1.24E-06	3.14E-08	9.94E-06	4.99E-06
94	486683.18, 3855743.15	0.0651803	2.46E-05	9.68E-06	3.27E-02	1.24E-05	4.85E-06	1.46E-03	5.50E-07	1.39E-08	3.19E-03	1.20E-06	3.05E-08	9.70E-06	4.87E-06
95	486733.18, 3855743.15	0.0637301	2.41E-05	9.47E-06	3.19E-02	1.21E-05	4.75E-06	1.44E-03	5.43E-07	1.37E-08	3.09E-03	1.17E-06	2.95E-08	9.48E-06	4.76E-06
96	486783.18, 3855743.15	0.0622122	2.35E-05	9.24E-06	3.12E-02	1.18E-05	4.64E-06	1.43E-03	5.41E-07	1.37E-08	3.03E-03	1.15E-06	2.90E-08	9.26E-06	4.65E-06
97	486533.18, 3855793.15	0.0720507	2.72E-05	1.07E-05	3.61E-02	1.36E-05	5.36E-06	1.58E-03	5.97E-07	1.51E-08	3.78E-03	1.43E-06	3.62E-08	1.07E-05	5.38E-06
98	486583.18, 3855793.15	0.0706142	2.67E-05	1.05E-05	3.54E-02	1.34E-05	5.25E-06	1.53E-03	5.77E-07	1.46E-08	3.55E-03	1.34E-06	3.39E-08	1.05E-05	5.27E-06
99	486633.18, 3855793.15	0.0688088	2.60E-05	1.02E-05	3.45E-02	1.30E-05	5.12E-06	1.51E-03	5.71E-07	1.44E-08	3.43E-03	1.30E-06	3.28E-08	1.02E-05	5.14E-06
100	486683.18, 3855793.15	0.0670916	2.54E-05	9.97E-06	3.36E-02	1.27E-05	4.99E-06	1.50E-03	5.66E-07	1.43E-08	3.33E-03	1.26E-06	3.18E-08	9.98E-06	5.01E-06
101	486733.18, 3855793.15	0.0655182	2.48E-05	9.73E-06	3.28E-02	1.24E-05	4.88E-06	1.48E-03	5.59E-07	1.41E-08	3.22E-03	1.22E-06	3.08E-08	9.75E-06	4.90E-06
102	486783.18, 3855793.15	0.064009	2.42E-05	9.51E-06	3.21E-02	1.21E-05	4.77E-06	1.46E-03	5.53E-07	1.40E-08	3.13E-03	1.18E-06	3.00E-08	9.52E-06	4.78E-06
103	486533.18, 3855843.15	0.0746253	2.82E-05	1.11E-05	3.74E-02	1.41E-05	5.55E-06	1.61E-03	6.09E-07	1.54E-08	3.95E-03	1.49E-06	3.78E-08	1.11E-05	5.57E-06
104	486583.18, 3855843.15	0.0729415	2.76E-05	1.08E-05	3.65E-02	1.38E-05	5.42E-06	1.57E-03	5.93E-07	1.50E-08	3.72E-03	1.41E-06	3.56E-08	1.09E-05	5.44E-06
105	486633.18, 3855843.15	0.0709687	2.68E-05	1.05E-05	3.55E-02	1.34E-05	5.28E-06	1.55E-03	5.86E-07	1.48E-08	3.59E-03	1.36E-06	3.43E-08	1.06E-05	5.30E-06
106	486683.18, 3855843.15	0.0691363	2.61E-05	1.03E-05	3.46E-02	1.31E-05	5.15E-06	1.53E-03	5.79E-07	1.47E-08	3.48E-03	1.31E-06	3.32E-08	1.03E-05	5.16E-06
107	486733.18, 3855843.15	0.0674171	2.55E-05	1.00E-05	3.38E-02	1.28E-05	5.02E-06	1.52E-03	5.73E-07	1.45E-08	3.37E-03	1.27E-06	3.22E-08	1.00E-05	5.04E-06
108	486783.18, 3855843.15	0.0658198	2.49E-05	9.78E-06	3.30E-02	1.25E-05	4.90E-06	1.50E-03	5.67E-07	1.43E-08	3.26E-03	1.23E-06	3.12E-08	9.79E-06	4.92E-06
109	486533.18, 3855893.15	0.0775699	2.93E-05	1.15E-05	3.88E-02	1.47E-05	5.76E-06	1.64E-03	6.18E-07	1.56E-08	4.10E-03	1.55E-06	3.92E-08	1.15E-05	5.79E-06
110	486583.18, 3855893.15	0.0753259	2.85E-05	1.12E-05	3.77E-02	1.43E-05	5.60E-06	1.61E-03	6.10E-07	1.54E-08	3.93E-03	1.49E-06	3.76E-08	1.12E-05	5.62E-06
111	486633.18, 3855893.15	0.0732602	2.77E-05	1.09E-05	3.67E-02	1.39E-05	5.45E-06	1.59E-03	6.01E-07	1.52E-08	3.77E-03	1.43E-06	3.61E-08	1.09E-05	5.47E-06
112	486683.18, 3855893.15	0.0712734	2.69E-05	1.06E-05	3.57E-02	1.35E-05	5.30E-06	1.57E-03	5.94E-07	1.50E-08	3.64E-03	1.38E-06	3.48E-08	1.06E-05	5.32E-06
113	486733.18, 3855893.15	0.0694271	2.62E-05	1.03E-05	3.48E-02	1.32E-05	5.17E-06	1.55E-03	5.88E-07	1.49E-08	3.52E-03	1.33E-06	3.37E-08	1.03E-05	5.19E-06
114	486783.18, 3855893.15	0.0676708	2.56E-05	1.01E-05	3.39E-02	1.28E-05	5.04E-06	1.54E-03	5.82E-07	1.47E-08	3.41E-03	1.29E-06	3.27E-08	1.01E-05	5.06E-06
115	486533.18, 3855943.15	0.0804765	3.04E-05	1.20E-05	4.03E-02	1.52E-05	5.98E-06	1.68E-03	6.34E-07	1.60E-08	4.34E-03	1.64E-06	4.15E-08	1.20E-05	6.00E-06
116	486583.18, 3855943.15	0.0778717	2.94E-05	1.16E-05	3.90E-02	1.47E-05	5.79E-06	1.66E-03	6.28E-07	1.59E-08	4.17E-03	1.58E-06	3.99E-08	1.16E-05	5.81E-06
117	486633.18, 3855943.15	0.0756733	2.86E-05	1.12E-05	3.79E-02	1.43E-05	5.63E-06	1.63E-03	6.18E-07	1.56E-08	3.98E-03	1.51E-06	3.81E-08	1.13E-05	5.65E-06
118	486683.18, 3855943.15	0.0734832	2.78E-05	1.09E-05	3.68E-02	1.39E-05	5.47E-06	1.62E-03	6.11E-07	1.55E-08	3.84E-03	1.45E-06	3.67E-08	1.09E-05	5.49E-06
119	486733.18, 3855943.15	0.0715447	2.70E-05	1.06E-05	3.59E-02	1.36E-05	5.33E-06	1.59E-03	6.03E-07	1.53E-08	3.69E-03	1.40E-06	3.53E-08	1.06E-05	5.35E-06
120	486783.18, 3855943.15	0.069635	2.63E-05	1.03E-05	3.49E-02	1.32E-05	5.19E-06	1.58E-03	5.97E-07	1.51E-08	3.58E-03	1.35E-06	3.42E-08	1.04E-05	5.20E-06
121	486533.18, 3855993.15	0.0834796	3.16E-05	1.24E-05	4.17E-02	1.58E-05	6.20E-06	1.73E-03	6.53E-07	1.65E-08	4.64E-03	1.75E-06	4.44E-08	1.24E-05	6.23E-06
122	486583.18, 3855993.15	0.0807335	3.05E-05	1.20E-05	4.04E-02	1.53E-05	6.00E-06	1.70E-03	6.44E-07	1.63E-08	4.42E-03	1.67E-06	4.23E-08	1.20E-05	6.03E-06
123	486633.18, 3855993.15	0.0782494	2.96E-05	1.16E-05	3.92E-02	1.48E-05	5.82E-06	1.68E-03	6.35E-07	1.61E-08	4.22E-03	1.60E-06	4.04E-08	1.16E-05	5.84E-06
124	486683.18, 3855993.15	0.0758897	2.87E-05	1.13E-05	3.80E-02	1.44E-05	5.65E-06	1.66E-03	6.28E-07	1.59E-08	4.06E-03	1.53E-06	3.88E-08	1.13E-05	5.67E-06
125	486733.18, 3855993.15	0.0737699	2.79E-05	1.10E-05	3.70E-02	1.40E-05	5.49E-06	1.64E-03	6.19E-07	1.57E-08	3.89E-03	1.47E-06	3.72E-08	1.10E-05	5.51E-06
126	486783.18, 3855993.15	0.0717423	2.71E-05	1.07E-05	3.60E-02	1.36E-05	5.34E-06	1.62E-03	6.12E-07	1.55E-08	3.75E-03	1.42E-06	3.59E-08	1.07E-05	5.36E-06
127	486533.18, 3856043.15	0.0868267	3.28E-05	1.29E-05	4.34E-02	1.64E-05	6.45E-06	1.78E-03	6.73E-07	1.70E-08	4.97E-03	1.88E-06	4.75E-08	1.29E-05	6.48E-06
128	486583.18, 3856043.15	0.0837342	3.17E-05	1.24E-05	4.19E-02	1.58E-05	6.22E-06	1.76E-03	6.64E-07	1.68E-08	4.73E-03	1.79E-06	4.52E-08	1.25E-05	6.25E-06
129	486633.18, 3856043.15	0.0810446	3.06E-05	1.20E-05	4.06E-02	1.53E-05	6.02E-06	1.73E-03	6.53E-07	1.65E-08	4.49E-03	1.70E-06	4.30E-08	1.21E-05	6.05E-06
130	486683.18, 3856043.15	0.078436	2.97E-05	1.17E-05	3.93E-02	1.49E-05	5.83E-06	1.71E-03	6.46E-07	1.63E-08	4.31E-03	1.63E-06	4.12E-08	1.17E-05	5.86E-06
131	486733.18, 3856043.15	0.0761569	2.88E-05	1.13E-05	3.82E-02	1.44E-05	5.67E-06	1.68E-03	6.36E-07	1.61E-08	4.12E-03	1.56E-06	3.94E-08	1.13E-05	5.69E-06
132	486783.18, 3856043.15	0.0739147	2.79E-05	1.10E-05	3.71E-02	1.40E-05	5.50E-06	1.67E-03	6.30E-07	1.59E-08	3.97E-03	1.50E-06	3.80E-08	1.10E-05	5.53E-06
133	486533.18, 3856093.15	0.090457	3.42E-05	1.34E-05	4.52E-02	1.71E-05	6.72E-06	1.84E-03	6.95E-07	1.76E-08	5.38E-03	2.03E-06	5.15E-08	1.35E-05	6.75E-06
134	486583.18, 3856093.15	0.0870949	3.29E-05	1.29E-05	4.36E-02	1.65E-05	6.47E-06	1.81E-03	6.83E-07	1.73E-08	5.08E-03	1.92E-06	4.86E-08	1.30E-05	6.50E-06
135	486633.18, 3856093.15	0.0840717	3.18E-05	1.25E-05	4.21E-02	1.59E-05	6.25E-06	1.78E-03	6.73E-07	1.70E-08	4.81E-03	1.82E-06	4.60E-08	1.25E-05	6.28E-06
136	486683.18, 3856093.15	0.0812434	3.07E-05	1.21E-05	4.07E-02	1.54E-05	6.04E-06	1.76E-03	6.64E-07	1.68E-08	4.59E-03	1.74E-06	4.39E-08	1.21E-05	6.07E-06
137	486733.18, 3856093.15	0.0787148	2.98E-05	1.17E-05	3.94E-02	1.49E-05	5.86E-06	1.73E-03	6.54E-07	1.65E-08	4.38E-03	1.66E-06	4.19E-08	1.17E-05	5.88E-06
138	486783.18, 3856093.15	0.0763129	2.89E-05	1.13E-05	3.82E-02	1.45E-05	5.68E-06	1.71E-03	6.47E-07	1.64E-08	4.20E-03	1.59E-06	4.02E-08	1.14E-05	5.71E-06
139	486533.18, 3856143.15	0.0946344	3.58E-05	1.41E-05	4.73E-02	1.79E-05	7.02E-06	1.89E-03	7.16E-07	1.81E-08	5.85E-03	2.21E-06	5.60E-08	1.41E-05	7.06E-06
140	486583.18, 3856143.15	0.0909019	3.44E-05	1.35E-05	4.54E-02	1.72E-05	6.75E-06	1.86E-03	7.03E-07	1.78E-08	5.48E-03	2.07E-06	5.24E-08	1.35E-05	6.78E-06
141	486633.18, 3856143.15	0.0874325	3.31E-05	1.30E-05	4.37E-02	1.65E-05	6.50E-06	1.83E-03	6.93E-07	1.75E-08	5.19E-03	1.96E-06	4.96E-08	1.30E-05	6.53E-06
142	486683.18, 3856143.15	0.0843261	3.19E-05	1.25E-05	4.22E-02	1.60E-05	6.27E-06	1.80E-03	6.82E-07	1.73E-08	4.92E-03	1.86E-06	4.70E-08	1.26E-05	6.30E-06
143	486733.18, 3856143.15	0.0815061	3.08E-05	1.21E-05	4.08E-02	1.54E-05	6.06E-06	1.78E-03	6.73E-07	1.70E-08	4.68E-03	1.77E-06	4.47E-08	1.21E-05	6.09E-06
144	486783.18, 3856143.15	0.0788033	2.98E-05	1.17E-05	3.95E-02	1.49E-05	5.87E-06	1.76E-03	6.66E-07	1.69E-08	4.49E-03	1.70E-06	4.29E-08	1.17E-05	5.89E-06
145	486533.18, 3856193.15	0.0993348	3.76E-05	1.48E-05	4.96E-02	1.88E-05	7.37E-06	1.96E-03	7.40E-07	1.87E-08	6.45E-03	2.44E-06	6.17E-08	1.48E-05	7.41E-06
146	486583.18, 3856193.15	0.0951221	3.60E-05	1.41E-05	4.75E-02	1.80E-05	7.06E-06	1.92E-03	7.25E-07	1.83E-08	5.99E-03	2.26E-06	5.73E-08	1.42E-05	7.10E-06
147	486633.18, 3856193.15	0.0912023	3.45E-05	1.35E-05	4.56E-02	1.72E-05	6.77E-06	1.89E-03	7.14E-07	1.81E-08	5.63E-03	2.13E-06	5.38E-08	1.36E-05	6.81E-06
148	486683.18, 3856193.15	0.0876124	3.31E-05	1.30E-05	4.38E-02	1.66E-05	6.51E-06	1.86E-03	7.05E-07	1.78E-08	5.33E-03	2.01E-06	5.10E-08	1.30E-05	6.55E-06
149	486733.18, 3856193.15	0.0845274	3.20E-05	1.26E-05	4.23E-02	1.60E-05	6.29E-06	1.83E-03	6.94E-07	1.75E-08	5.04E-03	1.90E-06	4.82E-08	1.26E-05	6.32E-06
150	486783.18, 3856193.15	0.0815552	3.08E-05	1.21E-05	4.09E-02	1.55E-05	6.07E-06	1.82E-03	6.86E-07	1.74E-08	4.80E-03	1.82E-06	4.59E-08	1.21E-05	6.10E-06
151	486533.18, 3856243.15	0.1048824	3.97E-05	1.56E-05	5.24E-02	1.98E-05	7.78E-06	2.02E-03	7.63E-07	1.93E-08	7.17E-03	2.71E-06	6.86E-08	1.56E-05	7.83E-06
152	486583.18, 3856243.15	0.0998426	3.77E-05	1.48E-05	4.99E-02	1.89E-05	7.41E-06	1.98E-03	7.50E-07	1.90E-08	6.62E-03	2.50E-06	6.33E-08	1.49E-05	7.45E-06
153	486633.18, 3856243.15	0.0954143	3.61E-05	1.42E-05	4.77E-02	1.80E-05	7.09E-06	1.95E-03	7.37E-07	1.86E-08	6.16E-03	2.33E-06	5.89E-08	1.42E-05	7.13E-06
154	486683.18, 3856243.15	0.0914366	3.46E-05	1.36E-05	4.57E-02	1.73E-05	6.79E-06	1.92E-03	7.26E-07	1.84E-08	5.77E-03	2.18E-06	5.52E-08	1.36E-05	6.83E-06
155	486733.18, 3856243.15	0.0878407	3.32E-05	1.30E-05	4.40E-02	1.66E-05	6.53E-06	1.90E-03	7.17E-07	1.81E-08	5.44E-03	2.06E-06	5.20E-08	1.31E-05	6.57E-06
156	486783.18, 3856243.15	0.0846506	3.20E-05	1.26E-05	4.24E-02	1.60E-05	6.30E-06	1.87E-03	7.06E-07	1.79E-08	5.14E-03	1.94E-06	4.91E-08	1.26E-05	6.33E-06
157	486533.18, 3856293.15	0.1114262	4.21E-05	1.66E-05	5.56E-02	2.10E-05	8.26E-06	2.09E-03	7.89E-07	2.00E-08	8.05E-03	3.04E-06	7.70E-08	1.66E-05	8.31E-06
158	486583.18, 3856293.15	0.1054268	3.99E-05	1.57E-05	5.26E-02	1.99E-05	7.82E-06	2.05E-03	7.74E-07	1.96E-08	7.34E-03	2.77E-06	7.02E-08	1.57E-05	7.87E-06
159	486633.18, 3856293.15	0.1002284	3.79E-05	1.49E-05	5.01E-02	1.89E-05	7.44E-06	2.01E-03	7.61E-07	1.93E-08	6.76E-03	2.56E-06	6.47E-08	1.49E-05	7.48E-06
160	486683.18, 3856293.15	0.0957018	3.62E-05	1.42E-05	4.79E-02	1.81E-05	7.11E-06	1.98E-03	7.49E-07	1.89E-08	6.29E-03	2.38E-06	6.01E-08	1.43E-05	7.15E-06
161	486733.18, 3856293.15	0.0915938	3.46E-05	1.36E-05	4.58E-02	1.73E-05	6.81E-06	1.96E-03	7.40E-07	1.87E-08	5.89E-03	2.23E-06	5.64E-08	1.36E-05	6.85E-06
162	486783.18, 3856293.15	0.0880434	3.33E-05	1.31E-05	4.41E-02	1.67E-05	6.55E-06	1.93E-03	7.28E-07	1.84E-08	5.53E-03	2.09E-06	5.29E-08	1.31E-05	6.58E-06
163	486783.18, 3856343.15	0.0917411	3.47E-05	1.36E-05	4.59E-02	1.74E-05	6.82E-06	1.99E-03	7.53E-07	1.91E-08	6.00E-03	2.27E-06	5.74E-08	1.37E-05	6.86E-06
164	486833.18, 3856343.15	0.0881276	3.33E-05	1.31E-05	4.42E-02	1.67E-05	6.56E-06	1.96E-03	7.43E-07	1.88E-08	5.63E-03	2.13E-06	5.38E-08	1.31E-05	6.59E-06
165	486883.18, 3856343.15	0.0848646	3.21E-05	1.26E-05	4.26E-02	1.61E-05	6.32E-06	1.94E-03	7.33E-07	1.86E-08	5.30E-03	2.00E-06	5.07E-08	1.26E-05	6.35E-06
166	486783.18, 3856393.15	0.0961286	3.63E-05	1.43E-05	4.81E-02	1.82E-05	7.15E-06	2.05E-03	7.76E-07	1.96E-08	6.51E-03	2.46E-06	6.22E-08	1.43E-05	7.19E-06
167	486833.18, 3856393.15	0.0919995	3.48E-05	1.37E-05	4.61E-02	1.74E-05	6.85E-06	2.02E-03	7.65E-07	1.94E-08	6.06E-03	2.29E-06	5.80E-08	1.37E-05	6.88E-06
168	486883.18, 3856393.15	0.0884124	3.34E-05	1.31E-05	4.43E-02	1.68E-05	6.58E-06	1.99E-03	7.53E-07	1.91E-08	5.67E-03	2.15E-06	5.43E-08	1.32E-05	6.62E-06
169	487208.74, 3856886.11	0.1313258	4.97E-05	1.95E-05	6.55E-02	2.48E-05	9.73E-06	2.47E-03	9.33E-07	2.36E-08	7.62E-03	2.88E-06	7.29E-08	1.96E-05	9.78E-06
170	487258.74, 3856886.11	0.1348315	5.10E-05	2.00E-05	6.72E-02	2.54E-05	9.98E-06	2.42E-03	9.16E-07	2.32E-08	6.99E-03	2.64E-06	6.69E-08	2.01E-05	1.00E-05
171	487308.74, 3856886.11	0.1350521	5.11E-05	2.01E-05	6.73E-02	2.54E-05	9.99E-06	2.38E-03	9.00E-07	2.28E-08	6.46E-03	2.44E-06	6.18E-08	2.01E-05	1.00E-05
172	487358.74, 3856886.11	0.1341112	5.07E-05	1.99E-05	6.68E-02	2.53E-05	9.92E-06	2.34E-03	8.83E-07	2.23E-08	6.01E-03	2.27E-06	5.75E-08	2.00E-05	9.96E-06
173	487208.74, 3856936.11	0.1441022	5.45E-05	2.14E-05	7.18E-02	2.71E-05	1.07E-05	2.56E-03	9.68E-07	2.45E-08	8.44E-03	3.19E-06	8.07E-08	2.15E-05	1.07E-05
174	487258.74, 3856936.11	0.1442381	5.45E-05	2.14E-05	7.18E-02	2.72E-05	1.07E-05	2.51E-03	9.49E-07	2.40E-08	7.66E-03	2.90E-06	7.33E-08	2.15E-05	1.07E-05
175	487308.74, 3856936.11	0.1432109	5.41E-05	2.13E-05	7.13E-02	2.70E-05	1.06E-05	2.47E-03	9.32E-07	2.36E-08	7.02E-03	2.65E-06	6.72E-08	2.13E-05	1.06E-05
176	487358.74, 3856936.11	0.1418054	5.36E-05	2.11E-05	7.06E-02	2.67E-05	1.05E-05	2.42E-03	9.15E-07	2.32E-08	6.49E-03	2.45E-06	6.21E-08	2.11E-05	1.05E-05
177	487208.74, 3856986.11	0.150801	5.70E-05	2.24E-05	7.51E-02	2.84E-05	1.12E-05	2.66E-03	1.00E-06	2.54E-08	9.47E-03	3.58E-06	9.06E-08	2.25E-05	1.12E-05
178	487258.74, 3856986.11	0.1489713	5.63E-05	2.21E-05	7.42E-02	2.81E-05	1.10E-05	2.61E-03	9.87E-07	2.50E-08	8.49E-03	3.21E-06	8.12E-08	2.22E-05	1.11E-05
179	487308.74, 3856986.11	0.1475097	5.58E-05	2.19E-05	7.34E-02	2.78E-05	1.09E-05	2.55E-03	9.66E-07	2.44E-08	7.71E-03	2.91E-06	7.37E-08	2.20E-05	1.10E-05
180	487358.74, 3856986.11	0.1454251	5.50E-05	2.16E-05	7.24E-02	2.74E-05	1.08E-05	2.51E-03	9.49E-07	2.40E-08	7.06E-03	2.67E-06	6.75E-08	2.16E-05	1.08E-05
181	487208.74, 3857036.11	0.1565838	5.92E-05	2.33E-05	7.80E-02	2.95E-05	1.16E-05	2.76E-03	1.04E-06	2.64E-08	1.08E-02	4.09E-06	1.04E-07	2.33E-05	1.17E-05
182	487258.74, 3857036.11	0.1518131	5.74E-05	2.25E-05	7.56E-02	2.86E-05	1.12E-05	2.71E-03	1.02E-06	2.59E-08	9.54E-03	3.61E-06	9.13E-08	2.26E-05	1.13E-05
183	487308.74, 3857036.11	0.1497302	5.66E-05	2.22E-05	7.46E-02	2.82E-05	1.11E-05	2.66E-03	1.00E-06	2.54E-08	8.54E-03	3.23E-06	8.17E-08	2.23E-05	1.11E-05
184	487358.74, 3857036.11	0.1477736	5.59E-05	2.19E-05	7.36E-02	2.78E-05	1.09E-05	2.61E-03	9.86E-07	2.49E-08	7.74E-03	2.93E-06	7.41E-08	2.20E-05	1.10E-05

185	487427.14, 3856878.23	0.1282834	4.85E-05	1.91E-05	6.39E-02	2.42E-05	9.49E-06	2.28E-03	8.61E-07	2.18E-08	5.44E-03	2.06E-06	5.20E-08	1.91E-05	9.52E-06
186	487477.14, 3856878.23	0.1247611	4.72E-05	1.85E-05	6.22E-02	2.35E-05	9.24E-06	2.24E-03	8.48E-07	2.15E-08	5.13E-03	1.94E-06	4.90E-08	1.86E-05	9.26E-06
187	487527.14, 3856878.23	0.1189398	4.50E-05	1.77E-05	5.93E-02	2.24E-05	8.81E-06	2.21E-03	8.35E-07	2.11E-08	4.85E-03	1.83E-06	4.64E-08	1.77E-05	8.84E-06
188	487427.14, 3856928.23	0.1379296	5.21E-05	2.05E-05	6.87E-02	2.60E-05	1.02E-05	2.35E-03	8.90E-07	2.25E-08	5.82E-03	2.20E-06	5.56E-08	2.05E-05	1.02E-05
189	487477.14, 3856928.23	0.1354562	5.12E-05	2.01E-05	6.74E-02	2.55E-05	1.00E-05	2.31E-03	8.75E-07	2.21E-08	5.46E-03	2.06E-06	5.22E-08	2.01E-05	1.00E-05
190	487527.14, 3856928.23	0.131494	4.97E-05	1.95E-05	6.55E-02	2.48E-05	9.73E-06	2.28E-03	8.61E-07	2.18E-08	5.14E-03	1.94E-06	4.92E-08	1.96E-05	9.75E-06
191	487577.14, 3856928.23	0.1283065	4.85E-05	1.91E-05	6.39E-02	2.42E-05	9.49E-06	2.24E-03	8.48E-07	2.15E-08	4.87E-03	1.84E-06	4.65E-08	1.91E-05	9.52E-06
192	487627.14, 3856928.23	0.1227425	4.64E-05	1.82E-05	6.12E-02	2.31E-05	9.09E-06	2.21E-03	8.35E-07	2.11E-08	4.62E-03	1.75E-06	4.42E-08	1.83E-05	9.11E-06
193	487677.14, 3856928.23	0.1185715	4.48E-05	1.76E-05	5.91E-02	2.24E-05	8.78E-06	2.18E-03	8.23E-07	2.08E-08	4.40E-03	1.66E-06	4.21E-08	1.76E-05	8.80E-06
194	487727.14, 3856928.23	0.11587	4.38E-05	1.72E-05	5.78E-02	2.18E-05	8.58E-06	2.15E-03	8.13E-07	2.06E-08	4.20E-03	1.59E-06	4.02E-08	1.72E-05	8.60E-06
195	487777.14, 3856928.23	0.114075	4.31E-05	1.69E-05	5.69E-02	2.15E-05	8.45E-06	2.12E-03	8.02E-07	2.03E-08	4.02E-03	1.52E-06	3.84E-08	1.70E-05	8.47E-06
196	487427.14, 3856978.23	0.1424169	5.38E-05	2.12E-05	7.09E-02	2.68E-05	1.05E-05	2.43E-03	9.20E-07	2.33E-08	6.26E-03	2.37E-06	5.99E-08	2.12E-05	1.06E-05
197	487477.14, 3856978.23	0.1402115	5.30E-05	2.08E-05	6.98E-02	2.64E-05	1.04E-05	2.39E-03	9.05E-07	2.29E-08	5.84E-03	2.21E-06	5.59E-08	2.09E-05	1.04E-05
198	487527.14, 3856978.23	0.1380542	5.22E-05	2.05E-05	6.87E-02	2.60E-05	1.02E-05	2.36E-03	8.91E-07	2.25E-08	5.48E-03	2.07E-06	5.24E-08	2.05E-05	1.02E-05
199	487577.14, 3856978.23	0.1361698	5.15E-05	2.02E-05	6.78E-02	2.56E-05	1.01E-05	2.32E-03	8.77E-07	2.22E-08	5.16E-03	1.95E-06	4.93E-08	2.03E-05	1.01E-05
200	487627.14, 3856978.23	0.1342885	5.08E-05	1.99E-05	6.68E-02	2.53E-05	9.93E-06	2.28E-03	8.61E-07	2.18E-08	4.88E-03	1.84E-06	4.67E-08	2.00E-05	9.95E-06
201	487677.14, 3856978.23	0.1317306	4.98E-05	1.96E-05	6.56E-02	2.48E-05	9.74E-06	2.25E-03	8.49E-07	2.15E-08	4.63E-03	1.75E-06	4.43E-08	1.96E-05	9.76E-06
202	487727.14, 3856978.23	0.1298647	4.91E-05	1.93E-05	6.46E-02	2.44E-05	9.60E-06	2.20E-03	8.33E-07	2.11E-08	4.41E-03	1.67E-06	4.22E-08	1.93E-05	9.62E-06
203	487777.14, 3856978.23	0.1257475	4.75E-05	1.87E-05	6.26E-02	2.37E-05	9.30E-06	2.19E-03	8.27E-07	2.09E-08	4.20E-03	1.59E-06	4.02E-08	1.87E-05	9.32E-06
204	487427.14, 3857028.23	0.1447785	5.47E-05	2.15E-05	7.21E-02	2.73E-05	1.07E-05	2.53E-03	9.55E-07	2.42E-08	6.78E-03	2.56E-06	6.49E-08	2.15E-05	1.08E-05
205	487477.14, 3857028.23	0.1428335	5.40E-05	2.12E-05	7.11E-02	2.69E-05	1.06E-05	2.48E-03	9.38E-07	2.37E-08	6.28E-03	2.38E-06	6.01E-08	2.13E-05	1.06E-05
206	487527.14, 3857028.23	0.1410352	5.33E-05	2.09E-05	7.02E-02	2.65E-05	1.04E-05	2.44E-03	9.21E-07	2.33E-08	5.86E-03	2.22E-06	5.61E-08	2.10E-05	1.05E-05
207	487577.14, 3857028.23	0.1391314	5.26E-05	2.07E-05	6.93E-02	2.62E-05	1.03E-05	2.40E-03	9.06E-07	2.29E-08	5.49E-03	2.08E-06	5.25E-08	2.07E-05	1.03E-05
208	487627.14, 3857028.23	0.1375361	5.20E-05	2.04E-05	6.85E-02	2.59E-05	1.02E-05	2.35E-03	8.89E-07	2.25E-08	5.17E-03	1.96E-06	4.95E-08	2.05E-05	1.02E-05
209	487677.14, 3857028.23	0.1353746	5.12E-05	2.01E-05	6.74E-02	2.55E-05	1.00E-05	2.32E-03	8.76E-07	2.22E-08	4.89E-03	1.85E-06	4.68E-08	2.01E-05	1.00E-05
210	487727.14, 3857028.23	0.1327769	5.02E-05	1.97E-05	6.61E-02	2.50E-05	9.82E-06	2.29E-03	8.65E-07	2.19E-08	4.64E-03	1.75E-06	4.44E-08	1.97E-05	9.84E-06
211	487777.14, 3857028.23	0.1300141	4.92E-05	1.93E-05	6.47E-02	2.45E-05	9.62E-06	2.25E-03	8.52E-07	2.16E-08	4.41E-03	1.67E-06	4.22E-08	1.93E-05	9.64E-06
212	487427.14, 3857078.23	0.1466332	5.54E-05	2.18E-05	7.31E-02	2.76E-05	1.09E-05	2.62E-03	9.91E-07	2.51E-08	7.41E-03	2.80E-06	7.09E-08	2.18E-05	1.09E-05
213	487477.14, 3857078.23	0.1447812	5.47E-05	2.15E-05	7.21E-02	2.73E-05	1.07E-05	2.57E-03	9.72E-07	2.46E-08	6.81E-03	2.57E-06	6.51E-08	2.15E-05	1.08E-05
214	487527.14, 3857078.23	0.1428565	5.40E-05	2.12E-05	7.12E-02	2.69E-05	1.06E-05	2.53E-03	9.55E-07	2.42E-08	6.31E-03	2.38E-06	6.03E-08	2.13E-05	1.06E-05
215	487577.14, 3857078.23	0.1410108	5.33E-05	2.09E-05	7.02E-02	2.66E-05	1.04E-05	2.48E-03	9.38E-07	2.37E-08	5.88E-03	2.22E-06	5.62E-08	2.10E-05	1.05E-05
216	487627.14, 3857078.23	0.139275	5.27E-05	2.07E-05	6.94E-02	2.62E-05	1.03E-05	2.43E-03	9.20E-07	2.33E-08	5.51E-03	2.08E-06	5.27E-08	2.07E-05	1.03E-05
217	487677.14, 3857078.23	0.1372545	5.19E-05	2.04E-05	6.84E-02	2.58E-05	1.02E-05	2.40E-03	9.06E-07	2.29E-08	5.19E-03	1.96E-06	4.96E-08	2.04E-05	1.02E-05
218	487727.14, 3857078.23	0.1349993	5.10E-05	2.01E-05	6.72E-02	2.54E-05	9.99E-06	2.36E-03	8.93E-07	2.26E-08	4.90E-03	1.85E-06	4.69E-08	2.01E-05	1.00E-05
219	487777.14, 3857078.23	0.132731	5.02E-05	1.97E-05	6.61E-02	2.50E-05	9.82E-06	2.32E-03	8.78E-07	2.22E-08	4.65E-03	1.76E-06	4.45E-08	1.97E-05	9.84E-06
220	487427.14, 3857128.23	0.1484038	5.61E-05	2.20E-05	7.40E-02	2.80E-05	1.10E-05	2.73E-03	1.03E-06	2.61E-08	8.17E-03	3.09E-06	7.82E-08	2.21E-05	1.10E-05
221	487477.14, 3857128.23	0.1464694	5.54E-05	2.18E-05	7.30E-02	2.76E-05	1.08E-05	2.67E-03	1.01E-06	2.55E-08	7.44E-03	2.81E-06	7.12E-08	2.18E-05	1.09E-05
222	487527.14, 3857128.23	0.1446197	5.47E-05	2.15E-05	7.21E-02	2.73E-05	1.07E-05	2.62E-03	9.89E-07	2.50E-08	6.84E-03	2.59E-06	6.55E-08	2.15E-05	1.07E-05
223	487577.14, 3857128.23	0.1426608	5.39E-05	2.12E-05	7.11E-02	2.69E-05	1.06E-05	2.57E-03	9.71E-07	2.46E-08	6.33E-03	2.39E-06	6.06E-08	2.12E-05	1.06E-05
224	487627.14, 3857128.23	0.1406838	5.32E-05	2.09E-05	7.01E-02	2.65E-05	1.04E-05	2.52E-03	9.54E-07	2.41E-08	5.90E-03	2.23E-06	5.64E-08	2.09E-05	1.04E-05
225	487677.14, 3857128.23	0.1389099	5.25E-05	2.06E-05	6.92E-02	2.62E-05	1.03E-05	2.48E-03	9.37E-07	2.37E-08	5.53E-03	2.09E-06	5.29E-08	2.07E-05	1.03E-05
226	487727.14, 3857128.23	0.1365975	5.16E-05	2.03E-05	6.81E-02	2.57E-05	1.01E-05	2.44E-03	9.23E-07	2.34E-08	5.20E-03	1.97E-06	4.97E-08	2.03E-05	1.01E-05
227	487777.14, 3857128.23	0.1345064	5.09E-05	2.00E-05	6.70E-02	2.53E-05	9.95E-06	2.40E-03	9.08E-07	2.30E-08	4.91E-03	1.86E-06	4.70E-08	2.00E-05	9.98E-06
228	488049.44, 3856539.39	0.0537344	2.03E-05	7.98E-06	2.72E-02	1.03E-05	4.04E-06	1.66E-03	6.29E-07	1.59E-08	2.63E-03	9.95E-07	2.52E-08	7.99E-06	4.05E-06
229	488099.44, 3856539.39	0.0529041	2.00E-05	7.86E-06	2.68E-02	1.01E-05	3.98E-06	1.64E-03	6.22E-07	1.57E-08	2.57E-03	9.73E-07	2.46E-08	7.87E-06	3.99E-06
230	488149.44, 3856539.39	0.0520685	1.97E-05	7.73E-06	2.64E-02	9.98E-06	3.92E-06	1.63E-03	6.16E-07	1.56E-08	2.52E-03	9.51E-07	2.41E-08	7.74E-06	3.93E-06
231	488049.44, 3856589.39	0.0554039	2.09E-05	8.23E-06	2.81E-02	1.06E-05	4.17E-06	1.70E-03	6.43E-07	1.63E-08	2.69E-03	1.02E-06	2.58E-08	8.24E-06	4.18E-06
232	488099.44, 3856589.39	0.0545293	2.06E-05	8.10E-06	2.76E-02	1.04E-05	4.10E-06	1.68E-03	6.36E-07	1.61E-08	2.63E-03	9.95E-07	2.52E-08	8.11E-06	4.11E-06
233	488149.44, 3856589.39	0.0536548	2.03E-05	7.97E-06	2.72E-02	1.03E-05	4.04E-06	1.66E-03	6.29E-07	1.59E-08	2.57E-03	9.73E-07	2.46E-08	7.98E-06	4.05E-06
234	488199.44, 3856589.39	0.0528332	2.00E-05	7.85E-06	2.68E-02	1.01E-05	3.98E-06	1.64E-03	6.22E-07	1.57E-08	2.52E-03	9.51E-07	2.41E-08	7.86E-06	3.99E-06
235	488249.44, 3856589.39	0.0519164	1.96E-05	7.71E-06	2.63E-02	9.95E-06	3.91E-06	1.64E-03	6.19E-07	1.57E-08	2.46E-03	9.31E-07	2.36E-08	7.72E-06	3.92E-06
236	488049.44, 3856639.39	0.0576411	2.18E-05	8.56E-06	2.92E-02	1.10E-05	4.33E-06	1.74E-03	6.56E-07	1.66E-08	2.76E-03	1.04E-06	2.64E-08	8.57E-06	4.34E-06
237	488099.44, 3856639.39	0.0566545	2.14E-05	8.42E-06	2.87E-02	1.08E-05	4.26E-06	1.72E-03	6.49E-07	1.64E-08	2.70E-03	1.02E-06	2.58E-08	8.42E-06	4.27E-06
238	488149.44, 3856639.39	0.0556756	2.10E-05	8.27E-06	2.82E-02	1.07E-05	4.19E-06	1.70E-03	6.42E-07	1.62E-08	2.63E-03	9.95E-07	2.52E-08	8.28E-06	4.20E-06
239	488199.44, 3856639.39	0.0546796	2.07E-05	8.12E-06	2.77E-02	1.05E-05	4.11E-06	1.68E-03	6.37E-07	1.61E-08	2.57E-03	9.73E-07	2.46E-08	8.13E-06	4.12E-06
240	488249.44, 3856639.39	0.053726	2.03E-05	7.98E-06	2.72E-02	1.03E-05	4.04E-06	1.67E-03	6.31E-07	1.60E-08	2.52E-03	9.52E-07	2.41E-08	7.99E-06	4.05E-06
241	488299.44, 3856639.39	0.0527804	2.00E-05	7.84E-06	2.68E-02	1.01E-05	3.97E-06	1.65E-03	6.25E-07	1.58E-08	2.46E-03	9.31E-07	2.36E-08	7.85E-06	3.98E-06
242	488349.44, 3856639.39	0.05191	1.96E-05	7.71E-06	2.63E-02	9.95E-06	3.91E-06	1.64E-03	6.19E-07	1.57E-08	2.41E-03	9.12E-07	2.31E-08	7.72E-06	3.92E-06
243	488399.44, 3856639.39	0.0509817	1.93E-05	7.57E-06	2.59E-02	9.78E-06	3.84E-06	1.63E-03	6.15E-07	1.56E-08	2.37E-03	8.94E-07	2.26E-08	7.58E-06	3.85E-06
244	488099.44, 3856689.39	0.0595499	2.25E-05	8.85E-06	3.01E-02	1.14E-05	4.47E-06	1.76E-03	6.64E-07	1.68E-08	2.77E-03	1.05E-06	2.64E-08	8.85E-06	4.48E-06
245	488149.44, 3856689.39	0.0582893	2.20E-05	8.66E-06	2.95E-02	1.12E-05	4.38E-06	1.74E-03	6.56E-07	1.66E-08	2.70E-03	1.02E-06	2.58E-08	8.67E-06	4.39E-06
246	488199.44, 3856689.39	0.0570435	2.16E-05	8.47E-06	2.89E-02	1.09E-05	4.29E-06	1.72E-03	6.50E-07	1.65E-08	2.63E-03	9.96E-07	2.52E-08	8.48E-06	4.30E-06
247	488249.44, 3856689.39	0.055894	2.11E-05	8.30E-06	2.83E-02	1.07E-05	4.20E-06	1.70E-03	6.43E-07	1.63E-08	2.57E-03	9.73E-07	2.46E-08	8.31E-06	4.21E-06
248	488299.44, 3856689.39	0.054737	2.07E-05	8.13E-06	2.77E-02	1.05E-05	4.12E-06	1.69E-03	6.39E-07	1.62E-08	2.52E-03	9.52E-07	2.41E-08	8.14E-06	4.13E-06
249	488349.44, 3856689.39	0.0536963	2.03E-05	7.98E-06	2.72E-02	1.03E-05	4.04E-06	1.67E-03	6.33E-07	1.60E-08	2.46E-03	9.32E-07	2.36E-08	7.98E-06	4.05E-06
250	488399.44, 3856689.39	0.0527521	1.99E-05	7.84E-06	2.67E-02	1.01E-05	3.97E-06	1.65E-03	6.24E-07	1.58E-08	2.41E-03	9.12E-07	2.31E-08	7.84E-06	3.98E-06
251	488099.44, 3856739.39	0.0633647	2.40E-05	9.41E-06	3.20E-02	1.21E-05	4.75E-06	1.80E-03	6.80E-07	1.72E-08	2.84E-03	1.07E-06	2.72E-08	9.42E-06	4.76E-06
252	488149.44, 3856739.39	0.0615275	2.33E-05	9.14E-06	3.11E-02	1.18E-05	4.62E-06	1.77E-03	6.71E-07	1.70E-08	2.77E-03	1.05E-06	2.65E-08	9.15E-06	4.63E-06
253	488199.44, 3856739.39	0.0597883	2.26E-05	8.88E-06	3.02E-02	1.14E-05	4.49E-06	1.76E-03	6.66E-07	1.68E-08	2.70E-03	1.02E-06	2.58E-08	8.89E-06	4.50E-06
254	488249.44, 3856739.39	0.0583207	2.21E-05	8.66E-06	2.95E-02	1.12E-05	4.38E-06	1.74E-03	6.58E-07	1.66E-08	2.64E-03	9.97E-07	2.52E-08	8.67E-06	4.39E-06
255	488299.44, 3856739.39	0.057046	2.16E-05	8.47E-06	2.89E-02	1.09E-05	4.29E-06	1.72E-03	6.49E-07	1.64E-08	2.58E-03	9.74E-07	2.46E-08	8.48E-06	4.30E-06
256	488349.44, 3856739.39	0.0556904	2.11E-05	8.27E-06	2.82E-02	1.07E-05	4.19E-06	1.71E-03	6.46E-07	1.63E-08	2.52E-03	9.52E-07	2.41E-08	8.28E-06	4.20E-06
257	488399.44, 3856739.39	0.0544268	2.06E-05	8.08E-06	2.76E-02	1.04E-05	4.10E-06	1.70E-03	6.42E-07	1.62E-08	2.46E-03	9.32E-07	2.36E-08	8.09E-06	4.11E-06
258	487999.44, 3856789.39	0.0758285	2.87E-05	1.13E-05	3.81E-02	1.44E-05	5.66E-06	1.87E-03	7.08E-07	1.79E-08	3.09E-03	1.17E-06	2.96E-08	1.13E-05	5.67E-06
259	488049.44, 3856789.39	0.0710397	2.69E-05	1.06E-05	3.58E-02	1.35E-05	5.31E-06	1.85E-03	7.01E-07	1.77E-08	3.00E-03	1.13E-06	2.87E-08	1.06E-05	5.32E-06
260	488099.44, 3856789.39	0.06757	2.55E-05	1.00E-05	3.41E-02	1.29E-05	5.06E-06	1.84E-03	6.95E-07	1.76E-08	2.92E-03	1.10E-06	2.79E-08	1.00E-05	5.07E-06
261	488149.44, 3856789.39	0.0649749	2.46E-05	9.65E-06	3.28E-02	1.24E-05	4.87E-06	1.82E-03	6.87E-07	1.74E-08	2.84E-03	1.07E-06	2.72E-08	9.66E-06	4.88E-06
262	488199.44, 3856789.39	0.0627926	2.37E-05	9.33E-06	3.17E-02	1.20E-05	4.71E-06	1.80E-03	6.81E-07	1.72E-08	2.77E-03	1.05E-06	2.65E-08	9.34E-06	4.72E-06
263	488249.44, 3856789.39	0.0609466	2.30E-05	9.05E-06	3.08E-02	1.17E-05	4.58E-06	1.78E-03	6.73E-07	1.70E-08	2.70E-03	1.02E-06	2.58E-08	9.06E-06	4.59E-06
264	488299.44, 3856789.39	0.0593605	2.24E-05	8.82E-06	3.00E-02	1.14E-05	4.46E-06	1.76E-03	6.65E-07	1.68E-08	2.64E-03	9.97E-07	2.52E-08	8.83E-06	4.47E-06
265	488349.44, 3856789.39	0.0577603	2.18E-05	8.58E-06	2.92E-02	1.11E-05	4.34E-06	1.75E-03	6.61E-07	1.67E-08	2.58E-03	9.74E-07	2.46E-08	8.59E-06	4.35E-06
266	488399.44, 3856789.39	0.0563365	2.13E-05	8.37E-06	2.85E-02	1.08E-05	4.24E-06	1.73E-03	6.56E-07	1.66E-08	2.52E-03	9.52E-07	2.41E-08	8.38E-06	4.25E-06
267	487949.44, 3856839.39	0.0886143	3.35E-05	1.32E-05	4.44E-02	1.68E-05	6.59E-06	1.94E-03	7.34E-07	1.86E-08	3.30E-03	1.25E-06	3.15E-08	1.32E-05	6.61E-06
268	487999.44, 3856839.39	0.081027	3.06E-05	1.20E-05	4.07E-02	1.54E-05	6.04E-06	1.92E-03	7.26E-07	1.84E-08	3.19E-03	1.21E-06	3.05E-08	1.20E-05	6.05E-06
269	488049.44, 3856839.39	0.075592	2.86E-05	1.12E-05	3.80E-02	1.44E-05	5.65E-06	1.90E-03	7.17E-07	1.81E-08	3.09E-03	1.17E-06	2.96E-08	1.12E-05	5.66E-06
270	488099.44, 3856839.39	0.0715317	2.70E-05	1.06E-05	3.60E-02	1.36E-05	5.35E-06	1.88E-03	7.10E-07	1.80E-08	3.01E-03	1.14E-06	2.88E-08	1.06E-05	5.36E-06
271	488149.44, 3856839.39	0.068369	2.58E-05	1.02E-05	3.45E-02	1.30E-05	5.12E-06	1.86E-03	7.03E-07	1.78E-08	2.92E-03	1.11E-06	2.80E-08	1.02E-05	5.13E-06
272	488199.44, 3856839.39	0.0657624	2.49E-05	9.77E-06	3.32E-02	1.26E-05	4.93E-06	1.84E-03	6.97E-07	1.76E-08	2.85E-03	1.08E-06	2.72E-08	9.78E-06	4.94E-06
273	487949.44, 3856889.39	0.0941622	3.56E-05	1.40E-05	4.71E-02	1.78E-05	7.00E-06	1.99E-03	7.51E-07	1.90E-08	3.41E-03	1.29E-06	3.26E-08	1.40E-05	7.01E-06
274	487999.44, 3856889.39	0.0857182	3.24E-05	1.27E-05	4.30E-02	1.63E-05	6.39E-06	1.97E-03	7.44E-07	1.88E-08	3.30E-03	1.25E-06	3.16E-08	1.27E-05	6.40E-06
275	488049.44, 3856889.39	0.0798703	3.02E-05	1.19E-05	4.01E-02	1.52E-05	5.96E-06	1.94E-03	7.34E-07	1.86E-08	3.20E-03	1.21E-06	3.06E-08	1.19E-05	5.97E-06
276	488099.44, 3856889.39	0.0752768	2.85E-05	1.12E-05	3.79E-02	1.43E-05	5.63E-06	1.92E-03	7.27E-07	1.84E-08	3.10E-03	1.17E-06	2.97E-08	1.12E-05	5.64E-06
277	488635.86, 3857895.05	0.0799201	3.02E-05	1.19E-05	4.10E-02	1.55E-05	6.10E-06	3.33E-03	1.26E-06	3.18E-08	4.70E-03	1.78E-06	4.49E-08	1.19E-05	6.11E-06
278	489137.64, 3857804.15	0.0612663	2.32E-05	9.10E-06	3.14E-02	1.19E-05	4.67E-06	2.50E-03	9.46E-07	2.39E-08	3.00E-03	1.13E-06	2.87E-08	9.10E-06	4.67E-06

279	488617.32, 3857859.41	0.0786874	2.98E-05	1.17E-05	4.04E-02	1.53E-05	6.00E-06	3.24E-03	1.23E-06	3.10E-08	4.60E-03	1.74E-06	4.40E-08	1.17E-05	6.01E-06
280	488667.32, 3857859.41	0.0763498	2.89E-05	1.13E-05	3.92E-02	1.48E-05	5.82E-06	3.16E-03	1.20E-06	3.03E-08	4.39E-03	1.66E-06	4.20E-08	1.14E-05	5.84E-06
281	488717.32, 3857859.41	0.0742744	2.81E-05	1.10E-05	3.81E-02	1.44E-05	5.67E-06	3.09E-03	1.17E-06	2.96E-08	4.19E-03	1.59E-06	4.01E-08	1.10E-05	5.68E-06
282	488767.32, 3857859.41	0.0723929	2.74E-05	1.08E-05	3.72E-02	1.41E-05	5.52E-06	3.03E-03	1.14E-06	2.90E-08	4.02E-03	1.52E-06	3.85E-08	1.08E-05	5.53E-06
283	488617.32, 3857909.41	0.0818655	3.10E-05	1.22E-05	4.20E-02	1.59E-05	6.25E-06	3.41E-03	1.29E-06	3.26E-08	4.86E-03	1.84E-06	4.65E-08	1.22E-05	6.26E-06
284	488667.32, 3857909.41	0.079262	3.00E-05	1.18E-05	4.07E-02	1.54E-05	6.05E-06	3.33E-03	1.26E-06	3.19E-08	4.63E-03	1.75E-06	4.43E-08	1.18E-05	6.06E-06
285	488717.32, 3857909.41	0.0771647	2.92E-05	1.15E-05	3.97E-02	1.50E-05	5.89E-06	3.24E-03	1.23E-06	3.10E-08	4.41E-03	1.67E-06	4.21E-08	1.15E-05	5.90E-06
286	488767.32, 3857909.41	0.0752553	2.85E-05	1.12E-05	3.87E-02	1.46E-05	5.74E-06	3.17E-03	1.20E-06	3.03E-08	4.22E-03	1.59E-06	4.03E-08	1.12E-05	5.75E-06
287	488417.32, 3857959.41	0.1033453	3.91E-05	1.54E-05	5.29E-02	2.00E-05	7.86E-06	4.02E-03	1.52E-06	3.84E-08	6.71E-03	2.54E-06	6.42E-08	1.54E-05	7.88E-06
288	488467.32, 3857959.41	0.0976319	3.69E-05	1.45E-05	5.00E-02	1.89E-05	7.43E-06	3.90E-03	1.48E-06	3.73E-08	6.23E-03	2.36E-06	5.96E-08	1.45E-05	7.46E-06
289	488517.32, 3857959.41	0.0929384	3.51E-05	1.38E-05	4.77E-02	1.80E-05	7.08E-06	3.80E-03	1.44E-06	3.63E-08	5.84E-03	2.21E-06	5.58E-08	1.38E-05	7.10E-06
290	488567.32, 3857959.41	0.0890231	3.37E-05	1.32E-05	4.57E-02	1.73E-05	6.79E-06	3.70E-03	1.40E-06	3.54E-08	5.48E-03	2.07E-06	5.24E-08	1.32E-05	6.81E-06
291	488617.32, 3857959.41	0.0857602	3.24E-05	1.27E-05	4.41E-02	1.67E-05	6.55E-06	3.60E-03	1.36E-06	3.44E-08	5.17E-03	1.95E-06	4.94E-08	1.28E-05	6.56E-06
292	488667.32, 3857959.41	0.0830146	3.14E-05	1.23E-05	4.27E-02	1.61E-05	6.34E-06	3.50E-03	1.32E-06	3.35E-08	4.90E-03	1.85E-06	4.68E-08	1.23E-05	6.35E-06
293	488717.32, 3857959.41	0.0807137	3.05E-05	1.20E-05	4.15E-02	1.57E-05	6.16E-06	3.42E-03	1.29E-06	3.27E-08	4.66E-03	1.76E-06	4.45E-08	1.20E-05	6.18E-06
294	488767.32, 3857959.41	0.0788914	2.98E-05	1.17E-05	4.06E-02	1.53E-05	6.02E-06	3.33E-03	1.26E-06	3.19E-08	4.44E-03	1.68E-06	4.25E-08	1.17E-05	6.03E-06
295	488417.32, 3858009.41	0.1121268	4.24E-05	1.67E-05	5.73E-02	2.17E-05	8.52E-06	4.29E-03	1.62E-06	4.10E-08	7.32E-03	2.77E-06	7.00E-08	1.67E-05	8.55E-06
296	488467.32, 3858009.41	0.1047418	3.96E-05	1.56E-05	5.37E-02	2.03E-05	7.97E-06	4.16E-03	1.57E-06	3.98E-08	6.77E-03	2.56E-06	6.47E-08	1.56E-05	8.00E-06
297	488517.32, 3858009.41	0.098969	3.74E-05	1.47E-05	5.08E-02	1.92E-05	7.54E-06	4.04E-03	1.53E-06	3.86E-08	6.29E-03	2.38E-06	6.02E-08	1.47E-05	7.56E-06
298	488567.32, 3858009.41	0.0943445	3.57E-05	1.40E-05	4.85E-02	1.83E-05	7.20E-06	3.93E-03	1.48E-06	3.76E-08	5.89E-03	2.23E-06	5.63E-08	1.40E-05	7.22E-06
299	488617.32, 3858009.41	0.0906439	3.43E-05	1.35E-05	4.66E-02	1.76E-05	6.92E-06	3.81E-03	1.44E-06	3.65E-08	5.52E-03	2.09E-06	5.28E-08	1.35E-05	6.94E-06
300	488667.32, 3858009.41	0.0876725	3.31E-05	1.30E-05	4.51E-02	1.70E-05	6.69E-06	3.70E-03	1.40E-06	3.54E-08	5.20E-03	1.97E-06	4.98E-08	1.30E-05	6.71E-06
301	488717.32, 3858009.41	0.0853625	3.23E-05	1.27E-05	4.39E-02	1.66E-05	6.52E-06	3.60E-03	1.36E-06	3.45E-08	4.93E-03	1.86E-06	4.72E-08	1.27E-05	6.53E-06
302	488767.32, 3858009.41	0.0838098	3.17E-05	1.24E-05	4.31E-02	1.63E-05	6.40E-06	3.51E-03	1.33E-06	3.36E-08	4.69E-03	1.77E-06	4.48E-08	1.25E-05	6.41E-06
303	488417.32, 3858059.41	0.1244339	4.70E-05	1.85E-05	6.35E-02	2.40E-05	9.44E-06	4.61E-03	1.74E-06	4.41E-08	8.08E-03	3.06E-06	7.73E-08	1.85E-05	9.47E-06
304	488467.32, 3858059.41	0.1142744	4.32E-05	1.70E-05	5.85E-02	2.21E-05	8.69E-06	4.46E-03	1.69E-06	4.26E-08	7.41E-03	2.80E-06	7.08E-08	1.70E-05	8.72E-06
305	488517.32, 3858059.41	0.1068479	4.04E-05	1.59E-05	5.48E-02	2.07E-05	8.14E-06	4.32E-03	1.63E-06	4.13E-08	6.83E-03	2.58E-06	6.54E-08	1.59E-05	8.16E-06
306	488567.32, 3858059.41	0.1011929	3.83E-05	1.50E-05	5.20E-02	1.96E-05	7.72E-06	4.19E-03	1.58E-06	4.00E-08	6.36E-03	2.40E-06	6.08E-08	1.51E-05	7.74E-06
307	488617.32, 3858059.41	0.0968781	3.66E-05	1.44E-05	4.98E-02	1.88E-05	7.39E-06	4.06E-03	1.54E-06	3.89E-08	5.94E-03	2.25E-06	5.68E-08	1.44E-05	7.41E-06
308	488667.32, 3858059.41	0.0937366	3.54E-05	1.39E-05	4.82E-02	1.82E-05	7.15E-06	3.94E-03	1.49E-06	3.77E-08	5.57E-03	2.11E-06	5.33E-08	1.39E-05	7.17E-06
309	488417.32, 3858109.41	0.144102	5.45E-05	2.14E-05	7.33E-02	2.77E-05	1.09E-05	4.95E-03	1.87E-06	4.74E-08	8.95E-03	3.38E-06	8.56E-08	2.14E-05	1.09E-05
310	488467.32, 3858109.41	0.1282697	4.85E-05	1.91E-05	6.55E-02	2.48E-05	9.73E-06	4.79E-03	1.81E-06	4.58E-08	8.15E-03	3.08E-06	7.79E-08	1.91E-05	9.76E-06
311	488517.32, 3858109.41	0.1177577	4.45E-05	1.75E-05	6.03E-02	2.28E-05	8.96E-06	4.63E-03	1.75E-06	4.43E-08	7.48E-03	2.83E-06	7.16E-08	1.75E-05	8.99E-06
312	488567.32, 3858109.41	0.1104527	4.18E-05	1.64E-05	5.67E-02	2.14E-05	8.42E-06	4.48E-03	1.69E-06	4.29E-08	6.91E-03	2.61E-06	6.61E-08	1.64E-05	8.44E-06
313	488617.32, 3858109.41	0.105391	3.98E-05	1.57E-05	5.41E-02	2.05E-05	8.04E-06	4.34E-03	1.64E-06	4.15E-08	6.41E-03	2.42E-06	6.13E-08	1.57E-05	8.06E-06
314	488667.32, 3858109.41	0.1024074	3.87E-05	1.52E-05	5.26E-02	1.99E-05	7.81E-06	4.19E-03	1.59E-06	4.01E-08	5.98E-03	2.26E-06	5.72E-08	1.52E-05	7.82E-06
315	488769.93, 3858449.27	0.1237337	4.68E-05	1.84E-05	6.45E-02	2.44E-05	9.59E-06	6.67E-03	2.52E-06	6.38E-08	9.46E-03	3.58E-06	9.05E-08	1.84E-05	9.61E-06
316	488819.93, 3858449.27	0.1139605	4.31E-05	1.69E-05	5.95E-02	2.25E-05	8.84E-06	6.31E-03	2.39E-06	6.03E-08	8.52E-03	3.22E-06	8.15E-08	1.69E-05	8.87E-06
317	488819.93, 3858499.27	0.1332584	5.04E-05	1.98E-05	6.94E-02	2.62E-05	1.03E-05	7.01E-03	2.65E-06	6.71E-08	9.57E-03	3.62E-06	9.16E-08	1.98E-05	1.03E-05
318	488869.93, 3858499.27	0.119024	4.50E-05	1.77E-05	6.22E-02	2.35E-05	9.24E-06	6.61E-03	2.50E-06	6.32E-08	8.62E-03	3.26E-06	8.24E-08	1.77E-05	9.26E-06
319	488869.93, 3858549.27	0.1412802	5.34E-05	2.10E-05	7.35E-02	2.78E-05	1.09E-05	7.39E-03	2.79E-06	7.07E-08	9.70E-03	3.67E-06	9.28E-08	2.10E-05	1.09E-05
320	489438.17, 3859571.48	0.0708365	2.68E-05	1.05E-05	3.68E-02	1.39E-05	5.47E-06	3.65E-03	1.38E-06	3.49E-08	3.65E-03	1.38E-06	3.49E-08	1.05E-05	5.47E-06
321	489488.17, 3859571.48	0.0678608	2.57E-05	1.01E-05	3.56E-02	1.35E-05	5.29E-06	3.99E-03	1.51E-06	3.82E-08	4.01E-03	1.52E-06	3.83E-08	1.01E-05	5.29E-06
322	489538.17, 3859571.48	0.0657585	2.49E-05	9.77E-06	3.49E-02	1.32E-05	5.18E-06	4.41E-03	1.67E-06	4.22E-08	4.44E-03	1.68E-06	4.25E-08	9.77E-06	5.18E-06
323	489588.17, 3859571.48	0.064348	2.43E-05	9.56E-06	3.45E-02	1.30E-05	5.12E-06	4.93E-03	1.86E-06	4.71E-08	4.97E-03	1.88E-06	4.75E-08	9.56E-06	5.13E-06
324	489438.17, 3859621.48	0.0698263	2.64E-05	1.04E-05	3.60E-02	1.36E-05	5.35E-06	3.15E-03	1.19E-06	3.01E-08	3.16E-03	1.19E-06	3.02E-08	1.04E-05	5.35E-06
325	489488.17, 3859621.48	0.0662222	2.50E-05	9.84E-06	3.44E-02	1.30E-05	5.11E-06	3.40E-03	1.28E-06	3.25E-08	3.41E-03	1.29E-06	3.26E-08	9.84E-06	5.11E-06
326	489538.17, 3859621.48	0.0635874	2.40E-05	9.44E-06	3.33E-02	1.26E-05	4.95E-06	3.69E-03	1.40E-06	3.53E-08	3.71E-03	1.40E-06	3.55E-08	9.44E-06	4.95E-06
327	489588.17, 3859621.48	0.0617187	2.33E-05	9.17E-06	3.27E-02	1.23E-05	4.85E-06	4.05E-03	1.53E-06	3.87E-08	4.09E-03	1.54E-06	3.91E-08	9.17E-06	4.85E-06
328	489238.17, 3859671.48	0.1073153	4.06E-05	1.59E-05	5.37E-02	2.03E-05	7.97E-06	2.23E-03	8.45E-07	2.14E-08	2.23E-03	8.42E-07	2.13E-08	1.59E-05	7.97E-06
329	489288.17, 3859671.48	0.0894813	3.38E-05	1.33E-05	4.51E-02	1.70E-05	6.69E-06	2.35E-03	8.87E-07	2.24E-08	2.34E-03	8.86E-07	2.24E-08	1.33E-05	6.69E-06
330	489338.17, 3859671.48	0.0789326	2.98E-05	1.17E-05	4.00E-02	1.51E-05	5.94E-06	2.47E-03	9.35E-07	2.37E-08	2.47E-03	9.36E-07	2.37E-08	1.17E-05	5.94E-06
331	489388.17, 3859671.48	0.0721267	2.73E-05	1.07E-05	3.68E-02	1.39E-05	5.47E-06	2.62E-03	9.91E-07	2.51E-08	2.63E-03	9.93E-07	2.51E-08	1.07E-05	5.47E-06
332	489438.17, 3859671.48	0.0673344	2.55E-05	1.00E-05	3.46E-02	1.31E-05	5.13E-06	2.78E-03	1.05E-06	2.66E-08	2.79E-03	1.06E-06	2.67E-08	1.00E-05	5.13E-06
333	489488.17, 3859671.48	0.0638789	2.42E-05	9.49E-06	3.30E-02	1.25E-05	4.90E-06	2.97E-03	1.12E-06	2.85E-08	2.99E-03	1.13E-06	2.86E-08	9.49E-06	4.90E-06
334	489538.17, 3859671.48	0.0612564	2.32E-05	9.10E-06	3.19E-02	1.21E-05	4.73E-06	3.19E-03	1.21E-06	3.05E-08	3.21E-03	1.22E-06	3.07E-08	9.10E-06	4.74E-06
335	489588.17, 3859671.48	0.0592821	2.24E-05	8.81E-06	3.11E-02	1.18E-05	4.62E-06	3.45E-03	1.30E-06	3.30E-08	3.48E-03	1.32E-06	3.33E-08	8.81E-06	4.62E-06
336	489238.17, 3859721.48	0.0954241	3.61E-05	1.42E-05	4.78E-02	1.81E-05	7.10E-06	2.06E-03	7.77E-07	1.97E-08	2.05E-03	7.76E-07	1.96E-08	1.42E-05	7.10E-06
337	489288.17, 3859721.48	0.0808098	3.06E-05	1.20E-05	4.07E-02	1.54E-05	6.05E-06	2.15E-03	8.14E-07	2.06E-08	2.15E-03	8.14E-07	2.06E-08	1.20E-05	6.05E-06
338	489338.17, 3859721.48	0.072657	2.75E-05	1.08E-05	3.68E-02	1.39E-05	5.47E-06	2.26E-03	8.53E-07	2.16E-08	2.26E-03	8.55E-07	2.16E-08	1.08E-05	5.47E-06
339	489388.17, 3859721.48	0.0674457	2.55E-05	1.00E-05	3.44E-02	1.30E-05	5.10E-06	2.37E-03	8.97E-07	2.27E-08	2.38E-03	9.00E-07	2.28E-08	1.00E-05	5.10E-06
340	489438.17, 3859721.48	0.0637282	2.41E-05	9.47E-06	3.26E-02	1.23E-05	4.85E-06	2.50E-03	9.45E-07	2.39E-08	2.51E-03	9.50E-07	2.40E-08	9.47E-06	4.85E-06
341	489488.17, 3859721.48	0.060981	2.31E-05	9.06E-06	3.14E-02	1.19E-05	4.66E-06	2.65E-03	1.00E-06	2.53E-08	2.67E-03	1.01E-06	2.55E-08	9.06E-06	4.66E-06
342	489538.17, 3859721.48	0.058784	2.22E-05	8.73E-06	3.04E-02	1.15E-05	4.52E-06	2.82E-03	1.06E-06	2.69E-08	2.84E-03	1.07E-06	2.72E-08	8.73E-06	4.52E-06
343	489588.17, 3859721.48	0.0570382	2.16E-05	8.47E-06	2.97E-02	1.12E-05	4.41E-06	3.01E-03	1.14E-06	2.88E-08	3.04E-03	1.15E-06	2.90E-08	8.47E-06	4.41E-06
344	489238.17, 3859771.48	0.0738019	2.79E-05	1.10E-05	3.72E-02	1.40E-05	5.52E-06	1.91E-03	7.21E-07	1.82E-08	1.91E-03	7.21E-07	1.82E-08	1.10E-05	5.52E-06
345	489288.17, 3859771.48	0.0691265	2.61E-05	1.03E-05	3.49E-02	1.32E-05	5.19E-06	1.99E-03	7.52E-07	1.90E-08	1.99E-03	7.54E-07	1.91E-08	1.03E-05	5.19E-06
346	489338.17, 3859771.48	0.0655033	2.48E-05	9.73E-06	3.32E-02	1.26E-05	4.93E-06	2.07E-03	7.84E-07	1.98E-08	2.08E-03	7.87E-07	1.99E-08	9.73E-06	4.93E-06
347	489388.17, 3859771.48	0.0626738	2.37E-05	9.31E-06	3.19E-02	1.21E-05	4.74E-06	2.17E-03	8.19E-07	2.07E-08	2.18E-03	8.24E-07	2.08E-08	9.31E-06	4.74E-06
348	489438.17, 3859771.48	0.0603022	2.28E-05	8.96E-06	3.08E-02	1.17E-05	4.58E-06	2.27E-03	8.58E-07	2.17E-08	2.29E-03	8.64E-07	2.19E-08	8.96E-06	4.58E-06
349	489488.17, 3859771.48	0.0584035	2.21E-05	8.67E-06	3.00E-02	1.13E-05	4.45E-06	2.39E-03	9.04E-07	2.29E-08	2.41E-03	9.12E-07	2.31E-08	8.67E-06	4.45E-06
350	489538.17, 3859771.48	0.0567299	2.14E-05	8.43E-06	2.92E-02	1.11E-05	4.34E-06	2.52E-03	9.54E-07	2.41E-08	2.55E-03	9.63E-07	2.44E-08	8.43E-06	4.34E-06
351	489588.17, 3859771.48	0.0552551	2.09E-05	8.21E-06	2.86E-02	1.08E-05	4.25E-06	2.67E-03	1.01E-06	2.55E-08	2.70E-03	1.02E-06	2.58E-08	8.21E-06	4.25E-06
352	489238.17, 3859821.48	0.0661158	2.50E-05	9.82E-06	3.33E-02	1.26E-05	4.95E-06	1.78E-03	6.73E-07	1.70E-08	1.78E-03	6.73E-07	1.70E-08	9.82E-06	4.95E-06
353	489288.17, 3859821.48	0.0636059	2.40E-05	9.45E-06	3.22E-02	1.22E-05	4.78E-06	1.85E-03	6.99E-07	1.77E-08	1.85E-03	7.01E-07	1.77E-08	9.45E-06	4.78E-06
354	489338.17, 3859821.48	0.0617493	2.33E-05	9.17E-06	3.13E-02	1.18E-05	4.65E-06	1.92E-03	7.26E-07	1.84E-08	1.93E-03	7.29E-07	1.85E-08	9.17E-06	4.65E-06
355	489388.17, 3859821.48	0.0600609	2.27E-05	8.92E-06	3.05E-02	1.15E-05	4.53E-06	2.00E-03	7.56E-07	1.91E-08	2.01E-03	7.61E-07	1.93E-08	8.92E-06	4.53E-06
356	489438.17, 3859821.48	0.0584981	2.21E-05	8.69E-06	2.98E-02	1.13E-05	4.43E-06	2.09E-03	7.89E-07	2.00E-08	2.11E-03	7.96E-07	2.01E-08	8.69E-06	4.43E-06
357	489488.17, 3859821.48	0.0570045	2.16E-05	8.47E-06	2.92E-02	1.10E-05	4.33E-06	2.18E-03	8.26E-07	2.09E-08	2.21E-03	8.34E-07	2.11E-08	8.47E-06	4.33E-06
358	489538.17, 3859821.48	0.0555832	2.10E-05	8.26E-06	2.85E-02	1.08E-05	4.24E-06	2.29E-03	8.65E-07	2.19E-08	2.31E-03	8.74E-07	2.21E-08	8.26E-06	4.24E-06
359	489588.17, 3859821.48	0.0542299	2.05E-05	8.05E-06	2.79E-02	1.06E-05	4.15E-06	2.40E-03	9.07E-07	2.30E-08	2.43E-03	9.18E-07	2.32E-08	8.06E-06	4.15E-06
360	489238.17, 3859871.48	0.0671317	2.54E-05	9.97E-06	3.38E-02	1.28E-05	5.01E-06	1.67E-03	6.31E-07	1.60E-08	1.67E-03	6.33E-07	1.60E-08	9.97E-06	5.01E-06
361	489288.17, 3859871.48	0.0644054	2.44E-05	9.57E-06	3.25E-02	1.23E-05	4.82E-06	1.73E-03	6.53E-07	1.65E-08	1.74E-03	6.56E-07	1.66E-08	9.57E-06	4.82E-06
362	489338.17, 3859871.48	0.0623568	2.36E-05	9.26E-06	3.15E-02	1.19E-05	4.68E-06	1.79E-03	6.76E-07	1.71E-08	1.80E-03	6.81E-07	1.72E-08	9.26E-06	4.68E-06
363	489388.17, 3859871.48	0.0605166	2.29E-05	8.99E-06	3.07E-02	1.16E-05	4.55E-06	1.86E-03	7.02E-07	1.78E-08	1.87E-03	7.08E-07	1.79E-08	8.99E-06	4.55E-06
364	489438.17, 3859871.48	0.058814	2.22E-05	8.74E-06	2.99E-02	1.13E-05	4.44E-06	1.93E-03	7.31E-07	1.85E-08	1.95E-03	7.38E-07	1.87E-08	8.74E-06	4.44E-06
365	489488.17, 3859871.48	0.0572085	2.16E-05	8.50E-06	2.91E-02	1.10E-05	4.33E-06	2.01E-03	7.59E-07	1.92E-08	2.03E-03	7.68E-07	1.94E-08	8.50E-06	4.33E-06
366	489538.17, 3859871.48	0.0555749	2.10E-05	8.25E-06	2.84E-02	1.07E-05	4.22E-06	2.09E-03	7.91E-07	2.00E-08	2.12E-03	8.00E-07	2.03E-08	8.25E-06	4.22E-06
367	489588.17, 3859871.48	0.0540987	2.05E-05	8.04E-06	2.77E-02	1.05E-05	4.12E-06	2.18E-03	8.25E-07	2.09E-08	2.21E-03	8.36E-07	2.11E-08	8.04E-06	4.12E-06
368	489238.17, 3859921.48	0.0757979	2.87E-05	1.13E-05	3.79E-02	1.43E-05	5.63E-06	1.58E-03	5.96E-07	1.51E-08	1.58E-03	5.97E-07	1.51E-08	1.13E-05	5.63E-06
369	489288.17, 3859921.48	0.0709386	2.68E-05	1.05E-05	3.56E-02	1.35E-05	5.28E-06	1.63E-03	6.15E-07	1.56E-08	1.64E-03	6.18E-07	1.56E-08	1.05E-05	5.28E-06
370	489338.17, 3859921.48	0.0670269	2.53E-05	9.96E-06	3.37E-02	1.27E-05	5.01E-06	1.68E-03	6.36E-07	1.61E-08	1.69E-03	6.40E-07	1.62E-08	9.96E-06	5.01E-06
371	489388.17, 3859921.48	0.0637857	2.41E-05	9.47E-06	3.22E-02	1.22E-05	4.78E-06	1.74E-03	6.57E-07	1.66E-08	1.75E-03	6.63E-07	1.68E-08	9.47E-06	4.78E-06
372	489438.17, 3859921.48	0.0610792	2.31E-05	9.07E-06	3.09E-02	1.17E-05	4.59E-06	1.80E-03	6.79E-07	1.72E-08	1.82E-03	6.87E-07	1.74E-08	9.07E-06	4.59E-06

373	489488.17, 3859921.48	0.0586715	2.22E-05	8.71E-06	2.98E-02	1.13E-05	4.42E-06	1.86E-03	7.02E-07	1.78E-08	1.88E-03	7.11E-07	1.80E-08	8.71E-06	4.42E-06
374	489538.17, 3859921.48	0.0565284	2.14E-05	8.40E-06	2.88E-02	1.09E-05	4.27E-06	1.93E-03	7.28E-07	1.84E-08	1.95E-03	7.38E-07	1.87E-08	8.40E-06	4.27E-06
375	489588.17, 3859921.48	0.0546634	2.07E-05	8.12E-06	2.79E-02	1.05E-05	4.14E-06	1.99E-03	7.52E-07	1.90E-08	2.02E-03	7.63E-07	1.93E-08	8.12E-06	4.14E-06
376	489238.17, 3859971.48	0.0962756	3.64E-05	1.43E-05	4.78E-02	1.81E-05	7.10E-06	1.50E-03	5.66E-07	1.43E-08	1.50E-03	5.67E-07	1.43E-08	1.43E-05	7.10E-06
377	489288.17, 3859971.48	0.0822539	3.11E-05	1.22E-05	4.10E-02	1.55E-05	6.09E-06	1.54E-03	5.82E-07	1.47E-08	1.55E-03	5.85E-07	1.48E-08	1.22E-05	6.09E-06
378	489338.17, 3859971.48	0.0739608	2.80E-05	1.10E-05	3.70E-02	1.40E-05	5.50E-06	1.59E-03	5.99E-07	1.52E-08	1.60E-03	6.04E-07	1.53E-08	1.10E-05	5.50E-06
379	489388.17, 3859971.48	0.0683349	2.58E-05	1.01E-05	3.43E-02	1.30E-05	5.10E-06	1.63E-03	6.17E-07	1.56E-08	1.65E-03	6.23E-07	1.58E-08	1.02E-05	5.10E-06
380	489438.17, 3859971.48	0.0641682	2.43E-05	9.53E-06	3.23E-02	1.22E-05	4.80E-06	1.67E-03	6.31E-07	1.60E-08	1.69E-03	6.40E-07	1.62E-08	9.53E-06	4.80E-06
381	489488.17, 3859971.48	0.0609388	2.30E-05	9.05E-06	3.08E-02	1.16E-05	4.57E-06	1.69E-03	6.40E-07	1.62E-08	1.73E-03	6.52E-07	1.65E-08	9.05E-06	4.57E-06
382	489538.17, 3859971.48	0.0581791	2.20E-05	8.64E-06	2.94E-02	1.11E-05	4.37E-06	1.72E-03	6.49E-07	1.64E-08	1.75E-03	6.63E-07	1.68E-08	8.64E-06	4.37E-06
383	489588.17, 3859971.48	0.0557962	2.11E-05	8.29E-06	2.83E-02	1.07E-05	4.20E-06	1.75E-03	6.60E-07	1.67E-08	1.79E-03	6.75E-07	1.71E-08	8.29E-06	4.20E-06
384	483577.7, 3854071	0.0908126	3.43E-05	1.35E-05	4.65E-02	1.76E-05	6.91E-06	3.63E-03	1.37E-06	3.47E-08	8.90E-03	3.37E-06	8.52E-08	1.35E-05	6.96E-06
385	483627.7, 3854071	0.0791466	2.99E-05	1.18E-05	4.07E-02	1.54E-05	6.05E-06	3.42E-03	1.29E-06	3.27E-08	8.11E-03	3.07E-06	7.76E-08	1.18E-05	6.09E-06
386	483677.7, 3854071	0.0712286	2.69E-05	1.06E-05	3.68E-02	1.39E-05	5.46E-06	3.23E-03	1.22E-06	3.09E-08	7.44E-03	2.81E-06	7.12E-08	1.06E-05	5.50E-06
387	483727.7, 3854071	0.0653893	2.47E-05	9.71E-06	3.38E-02	1.28E-05	5.02E-06	3.05E-03	1.15E-06	2.92E-08	6.88E-03	2.60E-06	6.58E-08	9.75E-06	5.06E-06
388	483777.7, 3854071	0.060923	2.30E-05	9.05E-06	3.15E-02	1.19E-05	4.68E-06	2.87E-03	1.09E-06	2.75E-08	6.35E-03	2.40E-06	6.07E-08	9.08E-06	4.71E-06
389	483577.7, 3854121	0.0943437	3.57E-05	1.40E-05	4.83E-02	1.83E-05	7.17E-06	3.66E-03	1.38E-06	3.50E-08	1.07E-02	4.06E-06	1.03E-07	1.41E-05	7.24E-06
390	483627.7, 3854121	0.0825961	3.12E-05	1.23E-05	4.24E-02	1.60E-05	6.30E-06	3.42E-03	1.29E-06	3.27E-08	9.57E-03	3.62E-06	9.15E-08	1.23E-05	6.36E-06
391	483677.7, 3854121	0.0747301	2.83E-05	1.11E-05	3.84E-02	1.45E-05	5.71E-06	3.19E-03	1.21E-06	3.06E-08	8.58E-03	3.25E-06	8.21E-08	1.12E-05	5.76E-06
392	483727.7, 3854121	0.069006	2.61E-05	1.02E-05	3.55E-02	1.34E-05	5.28E-06	2.99E-03	1.13E-06	2.86E-08	7.76E-03	2.94E-06	7.43E-08	1.03E-05	5.32E-06
393	483777.7, 3854121	0.0643918	2.43E-05	9.56E-06	3.32E-02	1.25E-05	4.93E-06	2.83E-03	1.07E-06	2.71E-08	7.12E-03	2.69E-06	6.81E-08	9.61E-06	4.97E-06
394	483577.7, 3854171	0.0992048	3.75E-05	1.47E-05	5.06E-02	1.91E-05	7.52E-06	3.64E-03	1.38E-06	3.49E-08	1.32E-02	5.01E-06	1.27E-07	1.48E-05	7.61E-06
395	483627.7, 3854171	0.0873167	3.30E-05	1.30E-05	4.47E-02	1.69E-05	6.64E-06	3.37E-03	1.27E-06	3.22E-08	1.14E-02	4.32E-06	1.09E-07	1.30E-05	6.71E-06
396	483677.7, 3854171	0.0792444	3.00E-05	1.18E-05	4.06E-02	1.54E-05	6.03E-06	3.15E-03	1.19E-06	3.01E-08	1.01E-02	3.81E-06	9.65E-08	1.18E-05	6.10E-06
397	483727.7, 3854171	0.0732408	2.77E-05	1.09E-05	3.76E-02	1.42E-05	5.58E-06	2.96E-03	1.12E-06	2.84E-08	9.03E-03	3.41E-06	8.64E-08	1.09E-05	5.64E-06
398	483777.7, 3854171	0.0685379	2.59E-05	1.02E-05	3.52E-02	1.33E-05	5.22E-06	2.80E-03	1.06E-06	2.67E-08	8.15E-03	3.08E-06	7.79E-08	1.02E-05	5.27E-06
399	483827.7, 3854171	0.0648264	2.45E-05	9.63E-06	3.32E-02	1.26E-05	4.94E-06	2.62E-03	9.90E-07	2.50E-08	7.34E-03	2.77E-06	7.02E-08	9.67E-06	4.98E-06
400	483877.7, 3854171	0.0614806	2.32E-05	9.13E-06	3.15E-02	1.19E-05	4.68E-06	2.49E-03	9.43E-07	2.39E-08	6.76E-03	2.55E-06	6.46E-08	9.17E-06	4.72E-06
401	483727.7, 3854221	0.0795166	3.01E-05	1.18E-05	4.06E-02	1.54E-05	6.03E-06	2.95E-03	1.12E-06	2.83E-08	1.08E-02	4.10E-06	1.04E-07	1.19E-05	6.11E-06
402	483777.7, 3854221	0.0742402	2.81E-05	1.10E-05	3.79E-02	1.43E-05	5.63E-06	2.78E-03	1.05E-06	2.66E-08	9.58E-03	3.62E-06	9.16E-08	1.11E-05	5.70E-06
403	483827.7, 3854221	0.0696468	2.63E-05	1.03E-05	3.56E-02	1.35E-05	5.29E-06	2.66E-03	1.01E-06	2.55E-08	8.72E-03	3.30E-06	8.34E-08	1.04E-05	5.35E-06
404	483877.7, 3854221	0.0660981	2.50E-05	9.82E-06	3.38E-02	1.28E-05	5.02E-06	2.51E-03	9.51E-07	2.41E-08	7.85E-03	2.97E-06	7.51E-08	9.87E-06	5.07E-06
405	489150.19, 3858726.45	0.0939545	3.55E-05	1.40E-05	5.08E-02	1.92E-05	7.54E-06	7.79E-03	2.95E-06	7.45E-08	8.74E-03	3.31E-06	8.36E-08	1.40E-05	7.55E-06
406	489200.19, 3858726.45	0.0912848	3.45E-05	1.36E-05	4.91E-02	1.86E-05	7.30E-06	7.29E-03	2.76E-06	6.98E-08	8.03E-03	3.04E-06	7.68E-08	1.36E-05	7.31E-06
407	489150.19, 3858776.45	0.098165	3.71E-05	1.46E-05	5.35E-02	2.02E-05	7.95E-06	8.93E-03	3.38E-06	8.54E-08	1.01E-02	3.84E-06	9.70E-08	1.46E-05	7.96E-06
408	489200.19, 3858776.45	0.0949162	3.59E-05	1.41E-05	5.15E-02	1.95E-05	7.65E-06	8.26E-03	3.12E-06	7.90E-08	9.16E-03	3.46E-06	8.77E-08	1.41E-05	7.66E-06
409	488919.6, 3856400.76	0.040103	1.52E-05	5.96E-06	2.04E-02	7.71E-06	3.03E-06	1.36E-03	5.12E-07	1.30E-08	1.84E-03	6.96E-07	1.76E-08	5.96E-06	3.03E-06
410	488919.6, 3856450.76	0.0407656	1.54E-05	6.06E-06	2.07E-02	7.84E-06	3.08E-06	1.38E-03	5.21E-07	1.32E-08	1.87E-03	7.06E-07	1.79E-08	6.06E-06	3.08E-06
411	488969.6, 3856450.76	0.0403413	1.53E-05	5.99E-06	2.05E-02	7.76E-06	3.05E-06	1.37E-03	5.17E-07	1.31E-08	1.84E-03	6.96E-07	1.76E-08	6.00E-06	3.05E-06
412	488919.6, 3856500.76	0.041488	1.57E-05	6.16E-06	2.11E-02	7.98E-06	3.13E-06	1.40E-03	5.31E-07	1.34E-08	1.90E-03	7.16E-07	1.81E-08	6.17E-06	3.14E-06
413	488969.6, 3856500.76	0.0410107	1.55E-05	6.09E-06	2.09E-02	7.89E-06	3.10E-06	1.39E-03	5.27E-07	1.33E-08	1.87E-03	7.06E-07	1.79E-08	6.10E-06	3.10E-06
414	488919.6, 3856550.76	0.0422227	1.60E-05	6.27E-06	2.15E-02	8.12E-06	3.19E-06	1.43E-03	5.41E-07	1.37E-08	1.92E-03	7.27E-07	1.84E-08	6.28E-06	3.19E-06
415	488969.6, 3856550.76	0.0417394	1.58E-05	6.20E-06	2.12E-02	8.03E-06	3.15E-06	1.42E-03	5.36E-07	1.36E-08	1.90E-03	7.16E-07	1.81E-08	6.20E-06	3.16E-06
416	488819.6, 3856600.76	0.04416	1.67E-05	6.56E-06	2.25E-02	8.49E-06	3.33E-06	1.48E-03	5.60E-07	1.42E-08	2.01E-03	7.61E-07	1.93E-08	6.56E-06	3.34E-06
417	488869.6, 3856600.76	0.0435966	1.65E-05	6.48E-06	2.22E-02	8.38E-06	3.29E-06	1.47E-03	5.55E-07	1.40E-08	1.98E-03	7.49E-07	1.90E-08	6.48E-06	3.30E-06
418	488919.6, 3856600.76	0.0430365	1.63E-05	6.39E-06	2.19E-02	8.28E-06	3.25E-06	1.46E-03	5.51E-07	1.39E-08	1.95E-03	7.37E-07	1.87E-08	6.40E-06	3.26E-06
419	488819.6, 3856650.76	0.0450963	1.71E-05	6.70E-06	2.29E-02	8.67E-06	3.41E-06	1.51E-03	5.71E-07	1.44E-08	2.04E-03	7.73E-07	1.95E-08	6.70E-06	3.41E-06
420	488869.6, 3856650.76	0.0444874	1.68E-05	6.61E-06	2.26E-02	8.55E-06	3.36E-06	1.50E-03	5.66E-07	1.43E-08	2.01E-03	7.60E-07	1.92E-08	6.61E-06	3.36E-06
421	488819.6, 3856700.76	0.0460652	1.74E-05	6.84E-06	2.34E-02	8.85E-06	3.48E-06	1.54E-03	5.82E-07	1.47E-08	2.08E-03	7.86E-07	1.99E-08	6.85E-06	3.48E-06
422	488869.6, 3856700.76	0.0454175	1.72E-05	6.75E-06	2.31E-02	8.73E-06	3.43E-06	1.52E-03	5.76E-07	1.46E-08	2.04E-03	7.73E-07	1.95E-08	6.75E-06	3.43E-06
423	488819.6, 3856750.76	0.0470953	1.78E-05	7.00E-06	2.39E-02	9.05E-06	3.56E-06	1.57E-03	5.93E-07	1.50E-08	2.11E-03	7.99E-07	2.02E-08	7.00E-06	3.56E-06
424	488869.6, 3856750.76	0.046364	1.75E-05	6.89E-06	2.36E-02	8.91E-06	3.50E-06	1.56E-03	5.88E-07	1.49E-08	2.08E-03	7.86E-07	1.99E-08	6.89E-06	3.51E-06
425	488819.6, 3857050.76	0.0535052	2.02E-05	7.95E-06	2.72E-02	1.03E-05	4.04E-06	1.78E-03	6.73E-07	1.70E-08	2.36E-03	8.94E-07	2.26E-08	7.95E-06	4.04E-06
426	488869.6, 3857050.76	0.0523477	1.98E-05	7.78E-06	2.66E-02	1.01E-05	3.95E-06	1.76E-03	6.67E-07	1.69E-08	2.32E-03	8.76E-07	2.22E-08	7.78E-06	3.96E-06
427	488919.6, 3857050.76	0.0512802	1.94E-05	7.62E-06	2.61E-02	9.86E-06	3.87E-06	1.75E-03	6.60E-07	1.67E-08	2.27E-03	8.60E-07	2.17E-08	7.62E-06	3.88E-06
428	488819.6, 3857100.76	0.054568	2.06E-05	8.11E-06	2.77E-02	1.05E-05	4.12E-06	1.82E-03	6.89E-07	1.74E-08	2.42E-03	9.13E-07	2.31E-08	8.11E-06	4.13E-06
429	488869.6, 3857100.76	0.0533544	2.02E-05	7.92E-06	2.71E-02	1.03E-05	4.03E-06	1.80E-03	6.82E-07	1.73E-08	2.37E-03	8.95E-07	2.26E-08	7.93E-06	4.04E-06
430	488919.6, 3857100.76	0.0521974	1.97E-05	7.75E-06	2.66E-02	1.00E-05	3.95E-06	1.79E-03	6.76E-07	1.71E-08	2.32E-03	8.77E-07	2.22E-08	7.76E-06	3.95E-06
431	488819.6, 3857150.76	0.0555836	2.10E-05	8.26E-06	2.83E-02	1.07E-05	4.20E-06	1.87E-03	7.07E-07	1.79E-08	2.47E-03	9.34E-07	2.36E-08	8.26E-06	4.20E-06
432	488869.6, 3857150.76	0.0542798	2.05E-05	8.06E-06	2.76E-02	1.04E-05	4.10E-06	1.85E-03	6.99E-07	1.77E-08	2.42E-03	9.15E-07	2.31E-08	8.07E-06	4.11E-06
433	488919.6, 3857150.76	0.0530804	2.01E-05	7.88E-06	2.70E-02	1.02E-05	4.01E-06	1.83E-03	6.92E-07	1.75E-08	2.37E-03	8.96E-07	2.27E-08	7.89E-06	4.02E-06
434	488969.6, 3857150.76	0.051954	1.96E-05	7.72E-06	2.65E-02	1.00E-05	3.93E-06	1.81E-03	6.85E-07	1.73E-08	2.32E-03	8.78E-07	2.22E-08	7.72E-06	3.93E-06
435	488819.6, 3857200.76	0.0565399	2.14E-05	8.40E-06	2.88E-02	1.09E-05	4.27E-06	1.92E-03	7.24E-07	1.83E-08	2.53E-03	9.57E-07	2.42E-08	8.40E-06	4.28E-06
436	488869.6, 3857200.76	0.0551614	2.09E-05	8.19E-06	2.81E-02	1.06E-05	4.17E-06	1.90E-03	7.17E-07	1.81E-08	2.47E-03	9.36E-07	2.37E-08	8.20E-06	4.18E-06
437	488919.6, 3857200.76	0.053905	2.04E-05	8.01E-06	2.74E-02	1.04E-05	4.08E-06	1.88E-03	7.09E-07	1.79E-08	2.42E-03	9.16E-07	2.32E-08	8.01E-06	4.08E-06
438	488969.6, 3857200.76	0.052748	1.99E-05	7.83E-06	2.69E-02	1.02E-05	3.99E-06	1.85E-03	7.01E-07	1.77E-08	2.37E-03	8.97E-07	2.27E-08	7.84E-06	4.00E-06
439	488819.6, 3857250.76	0.0574316	2.17E-05	8.53E-06	2.92E-02	1.10E-05	4.34E-06	1.97E-03	7.43E-07	1.88E-08	2.59E-03	9.80E-07	2.48E-08	8.54E-06	4.35E-06
440	488869.6, 3857250.76	0.0560212	2.12E-05	8.32E-06	2.85E-02	1.08E-05	4.24E-06	1.94E-03	7.35E-07	1.86E-08	2.53E-03	9.58E-07	2.42E-08	8.33E-06	4.24E-06
441	488919.6, 3857250.76	0.054705	2.07E-05	8.13E-06	2.79E-02	1.05E-05	4.14E-06	1.92E-03	7.27E-07	1.84E-08	2.48E-03	9.37E-07	2.37E-08	8.13E-06	4.14E-06
442	488969.6, 3857250.76	0.0534893	2.02E-05	7.94E-06	2.73E-02	1.03E-05	4.05E-06	1.90E-03	7.19E-07	1.82E-08	2.43E-03	9.18E-07	2.32E-08	7.95E-06	4.05E-06
443	488819.6, 3857300.76	0.0582526	2.20E-05	8.65E-06	2.97E-02	1.12E-05	4.41E-06	2.02E-03	7.63E-07	1.93E-08	2.66E-03	1.00E-06	2.54E-08	8.66E-06	4.41E-06
444	488869.6, 3857300.76	0.0567834	2.15E-05	8.43E-06	2.89E-02	1.09E-05	4.30E-06	2.00E-03	7.55E-07	1.91E-08	2.60E-03	9.82E-07	2.48E-08	8.44E-06	4.30E-06
445	488919.6, 3857300.76	0.0554346	2.10E-05	8.23E-06	2.83E-02	1.07E-05	4.20E-06	1.97E-03	7.46E-07	1.89E-08	2.54E-03	9.60E-07	2.43E-08	8.24E-06	4.20E-06
446	488819.6, 3857450.76	0.0604091	2.28E-05	8.97E-06	3.08E-02	1.17E-05	4.58E-06	2.20E-03	8.32E-07	2.10E-08	2.88E-03	1.09E-06	2.76E-08	8.98E-06	4.58E-06
447	488869.6, 3857450.76	0.0589044	2.23E-05	8.75E-06	3.01E-02	1.14E-05	4.47E-06	2.17E-03	8.20E-07	2.08E-08	2.81E-03	1.06E-06	2.69E-08	8.76E-06	4.47E-06
448	488919.6, 3857450.76	0.0574658	2.17E-05	8.54E-06	2.94E-02	1.11E-05	4.36E-06	2.14E-03	8.11E-07	2.05E-08	2.74E-03	1.04E-06	2.62E-08	8.54E-06	4.37E-06
449	488819.6, 3857500.76	0.0611307	2.31E-05	9.08E-06	3.12E-02	1.18E-05	4.64E-06	2.27E-03	8.56E-07	2.17E-08	2.97E-03	1.12E-06	2.84E-08	9.09E-06	4.64E-06
450	488869.6, 3857500.76	0.0595857	2.25E-05	8.85E-06	3.04E-02	1.15E-05	4.52E-06	2.24E-03	8.46E-07	2.14E-08	2.89E-03	1.09E-06	2.77E-08	8.86E-06	4.53E-06
451	488919.6, 3857500.76	0.0581518	2.20E-05	8.64E-06	2.97E-02	1.12E-05	4.42E-06	2.21E-03	8.35E-07	2.11E-08	2.82E-03	1.07E-06	2.69E-08	8.64E-06	4.42E-06
452	488819.6, 3857550.76	0.0618591	2.34E-05	9.19E-06	3.16E-02	1.20E-05	4.70E-06	2.34E-03	8.84E-07	2.24E-08	3.06E-03	1.16E-06	2.93E-08	9.20E-06	4.70E-06
453	488869.6, 3857550.76	0.0603307	2.28E-05	8.96E-06	3.09E-02	1.17E-05	4.58E-06	2.31E-03	8.72E-07	2.21E-08	2.98E-03	1.13E-06	2.85E-08	8.97E-06	4.59E-06
454	488919.6, 3857550.76	0.0588928	2.23E-05	8.75E-06	3.01E-02	1.14E-05	4.48E-06	2.28E-03	8.61E-07	2.18E-08	2.90E-03	1.10E-06	2.77E-08	8.75E-06	4.48E-06
455	489663.71, 3860900.05	0.0160732	6.08E-06	2.39E-06	8.38E-03	3.17E-06	1.24E-06	8.60E-04	3.25E-07	8.23E-09	8.80E-04	3.33E-07	8.42E-09	2.39E-06	1.24E-06
456	489813.71, 3860900.05	0.0156864	5.93E-06	2.33E-06	8.22E-03	3.11E-06	1.22E-06	9.02E-04	3.41E-07	8.63E-09	9.22E-04	3.49E-07	8.82E-09	2.33E-06	1.22E-06
457	489863.71, 3860900.05	0.0155297	5.87E-06	2.31E-06	8.15E-03	3.08E-06	1.21E-06	9.16E-04	3.46E-07	8.77E-09	9.37E-04	3.54E-07	8.96E-09	2.31E-06	1.21E-06
458	489913.71, 3860900.05	0.0154048	5.82E-06	2.29E-06	8.10E-03	3.06E-06	1.20E-06	9.32E-04	3.52E-07	8.92E-09	9.53E-04	3.60E-07	9.12E-09	2.29E-06	1.20E-06
459	489963.71, 3860900.05	0.0152527	5.77E-06	2.27E-06	8.04E-03	3.04E-06	1.19E-06	9.48E-04	3.58E-07	9.07E-09	9.70E-04	3.67E-07	9.27E-09	2.27E-06	1.19E-06
460	490013.71, 3860900.05	0.0151314	5.72E-06	2.25E-06	7.99E-03	3.02E-06	1.19E-06	9.65E-04	3.65E-07	9.23E-09	9.88E-04	3.73E-07	9.45E-09	2.25E-06	1.19E-06
461	490063.71, 3860900.05	0.0149964	5.67E-06	2.23E-06	7.93E-03	3.00E-06	1.18E-06	9.82E-04	3.71E-07	9.40E-09	1.01E-03	3.80E-07	9.62E-09	2.23E-06	1.18E-06
462	489663.71, 3860950.05	0.0145356	5.50E-06	2.16E-06	7.62E-03	2.88E-06	1.13E-06	8.37E-04	3.16E-07	8.00E-09	8.57E-04	3.24E-07	8.20E-09	2.16E-06	1.13E-06
463	489813.71, 3860950.05	0.0142815	5.40E-06	2.12E-06	7.52E-03	2.84E-06	1.12E-06	8.76E-04	3.31E-07	8.38E-09	8.96E-04	3.39E-07	8.57E-09	2.12E-06	1.12E-06
464	489863.71, 3860950.05	0.0141913	5.37E-06	2.11E-06	7.48E-03	2.83E-06	1.11E-06	8.88E-04	3.36E-07	8.50E-09	9.09E-04	3.44E-07	8.70E-09	2.11E-06	1.11E-06
465	489913.71, 3860950.05	0.0141052	5.33E-06	2.10E-06	7.45E-03	2.82E-06	1.11E-06	9.02E-04	3.41E-07	8.63E-09	9.26E-04	3.50E-07	8.85E-09	2.10E-06	1.11E-06
466	489963.71, 3860950.05	0.014008	5.30E-06	2.08E-06	7.41E-03	2.80E-06	1.10E-06	9.18E-04	3.47E-07	8.78E-09	9.40E-04	3.55E-07	8.99E-09	2.08E-06	1.10E-06

467	490013.71, 3860950.05	0.0139119	5.26E-06	2.07E-06	7.37E-03	2.79E-06	1.10E-06	9.34E-04	3.53E-07	8.93E-09	9.57E-04	3.62E-07	9.15E-09	2.07E-06	1.10E-06
468	490063.71, 3860950.05	0.0138301	5.23E-06	2.05E-06	7.34E-03	2.78E-06	1.09E-06	9.49E-04	3.59E-07	9.08E-09	9.73E-04	3.68E-07	9.31E-09	2.05E-06	1.09E-06
469	489513.71, 3861000.05	0.0133852	5.06E-06	1.99E-06	7.02E-03	2.65E-06	1.04E-06	7.85E-04	2.97E-07	7.51E-09	8.01E-04	3.03E-07	7.67E-09	1.99E-06	1.04E-06
470	489563.71, 3861000.05	0.0133278	5.04E-06	1.98E-06	7.00E-03	2.65E-06	1.04E-06	7.94E-04	3.00E-07	7.60E-09	8.11E-04	3.07E-07	7.76E-09	1.98E-06	1.04E-06
471	489613.71, 3861000.05	0.0132977	5.03E-06	1.98E-06	6.99E-03	2.64E-06	1.04E-06	8.05E-04	3.04E-07	7.70E-09	8.23E-04	3.11E-07	7.87E-09	1.98E-06	1.04E-06
472	489663.71, 3861000.05	0.0132474	5.01E-06	1.97E-06	6.97E-03	2.64E-06	1.04E-06	8.16E-04	3.09E-07	7.81E-09	8.34E-04	3.15E-07	7.98E-09	1.97E-06	1.04E-06
473	489713.71, 3861000.05	0.0131884	4.99E-06	1.96E-06	6.95E-03	2.63E-06	1.03E-06	8.27E-04	3.13E-07	7.91E-09	8.47E-04	3.20E-07	8.10E-09	1.96E-06	1.03E-06
474	489763.71, 3861000.05	0.0131335	4.97E-06	1.95E-06	6.93E-03	2.62E-06	1.03E-06	8.38E-04	3.17E-07	8.02E-09	8.59E-04	3.25E-07	8.21E-09	1.95E-06	1.03E-06
475	489813.71, 3861000.05	0.0130834	4.95E-06	1.94E-06	6.92E-03	2.62E-06	1.03E-06	8.51E-04	3.22E-07	8.14E-09	8.73E-04	3.30E-07	8.35E-09	1.94E-06	1.03E-06
476	489863.71, 3861000.05	0.0130209	4.92E-06	1.93E-06	6.90E-03	2.61E-06	1.02E-06	8.63E-04	3.26E-07	8.26E-09	8.85E-04	3.34E-07	8.46E-09	1.93E-06	1.02E-06
477	489913.71, 3861000.05	0.0129621	4.90E-06	1.93E-06	6.88E-03	2.60E-06	1.02E-06	8.77E-04	3.32E-07	8.39E-09	8.99E-04	3.40E-07	8.60E-09	1.93E-06	1.02E-06
478	489963.71, 3861000.05	0.0129019	4.88E-06	1.92E-06	6.85E-03	2.59E-06	1.02E-06	8.90E-04	3.36E-07	8.51E-09	9.12E-04	3.45E-07	8.73E-09	1.92E-06	1.02E-06
479	490013.71, 3861000.05	0.0128334	4.85E-06	1.91E-06	6.83E-03	2.58E-06	1.01E-06	9.05E-04	3.42E-07	8.66E-09	9.27E-04	3.51E-07	8.87E-09	1.91E-06	1.01E-06
480	490063.71, 3861000.05	0.0127769	4.83E-06	1.90E-06	6.81E-03	2.58E-06	1.01E-06	9.20E-04	3.48E-07	8.80E-09	9.43E-04	3.57E-07	9.02E-09	1.90E-06	1.01E-06
481	489513.71, 3861050.05	0.0122378	4.63E-06	1.82E-06	6.45E-03	2.44E-06	9.58E-07	7.68E-04	2.90E-07	7.34E-09	7.83E-04	2.96E-07	7.49E-09	1.82E-06	9.59E-07
482	489563.71, 3861050.05	0.0122056	4.61E-06	1.81E-06	6.44E-03	2.44E-06	9.57E-07	7.75E-04	2.93E-07	7.42E-09	7.93E-04	3.00E-07	7.59E-09	1.81E-06	9.57E-07
483	489613.71, 3861050.05	0.0121891	4.61E-06	1.81E-06	6.44E-03	2.44E-06	9.57E-07	7.86E-04	2.97E-07	7.52E-09	8.05E-04	3.04E-07	7.70E-09	1.81E-06	9.57E-07
484	489663.71, 3861050.05	0.0121639	4.60E-06	1.81E-06	6.43E-03	2.43E-06	9.56E-07	7.96E-04	3.01E-07	7.61E-09	8.15E-04	3.08E-07	7.79E-09	1.81E-06	9.56E-07
485	489713.71, 3861050.05	0.0121167	4.58E-06	1.80E-06	6.42E-03	2.43E-06	9.53E-07	8.05E-04	3.04E-07	7.70E-09	8.26E-04	3.12E-07	7.90E-09	1.80E-06	9.53E-07
486	489763.71, 3861050.05	0.012089	4.57E-06	1.80E-06	6.41E-03	2.42E-06	9.52E-07	8.16E-04	3.09E-07	7.81E-09	8.37E-04	3.17E-07	8.01E-09	1.80E-06	9.52E-07
487	489813.71, 3861050.05	0.0120526	4.56E-06	1.79E-06	6.40E-03	2.42E-06	9.51E-07	8.29E-04	3.13E-07	7.93E-09	8.49E-04	3.21E-07	8.12E-09	1.79E-06	9.51E-07
488	489863.71, 3861050.05	0.0120157	4.54E-06	1.78E-06	6.39E-03	2.42E-06	9.49E-07	8.40E-04	3.17E-07	8.03E-09	8.62E-04	3.26E-07	8.24E-09	1.78E-06	9.49E-07
489	489913.71, 3861050.05	0.0119823	4.53E-06	1.78E-06	6.38E-03	2.41E-06	9.48E-07	8.52E-04	3.22E-07	8.15E-09	8.75E-04	3.31E-07	8.37E-09	1.78E-06	9.48E-07
490	489963.71, 3861050.05	0.0119364	4.51E-06	1.77E-06	6.37E-03	2.41E-06	9.46E-07	8.65E-04	3.27E-07	8.27E-09	8.88E-04	3.36E-07	8.49E-09	1.77E-06	9.46E-07
491	490013.71, 3861050.05	0.0118935	4.50E-06	1.77E-06	6.36E-03	2.40E-06	9.44E-07	8.79E-04	3.32E-07	8.41E-09	9.03E-04	3.41E-07	8.63E-09	1.77E-06	9.44E-07
492	490063.71, 3861050.05	0.0118507	4.48E-06	1.76E-06	6.34E-03	2.40E-06	9.42E-07	8.93E-04	3.38E-07	8.54E-09	9.16E-04	3.46E-07	8.76E-09	1.76E-06	9.43E-07
493	489513.71, 3861100.05	0.0112944	4.27E-06	1.68E-06	5.98E-03	2.26E-06	8.89E-07	7.50E-04	2.84E-07	7.18E-09	7.66E-04	2.89E-07	7.32E-09	1.68E-06	8.89E-07
494	489563.71, 3861100.05	0.0112627	4.26E-06	1.67E-06	5.97E-03	2.26E-06	8.87E-07	7.58E-04	2.87E-07	7.25E-09	7.75E-04	2.93E-07	7.42E-09	1.67E-06	8.87E-07
495	489613.71, 3861100.05	0.0112412	4.25E-06	1.67E-06	5.97E-03	2.26E-06	8.86E-07	7.66E-04	2.90E-07	7.33E-09	7.83E-04	2.96E-07	7.49E-09	1.67E-06	8.86E-07
496	489663.71, 3861100.05	0.0112163	4.24E-06	1.67E-06	5.96E-03	2.25E-06	8.85E-07	7.75E-04	2.93E-07	7.42E-09	7.93E-04	3.00E-07	7.59E-09	1.67E-06	8.85E-07
497	489713.71, 3861100.05	0.0112104	4.24E-06	1.67E-06	5.96E-03	2.25E-06	8.86E-07	7.85E-04	2.97E-07	7.51E-09	8.05E-04	3.04E-07	7.70E-09	1.67E-06	8.86E-07
498	489763.71, 3861100.05	0.0111829	4.23E-06	1.66E-06	5.96E-03	2.25E-06	8.85E-07	7.96E-04	3.01E-07	7.61E-09	8.16E-04	3.09E-07	7.81E-09	1.66E-06	8.85E-07
499	489813.71, 3861100.05	0.0111719	4.22E-06	1.66E-06	5.96E-03	2.25E-06	8.85E-07	8.07E-04	3.05E-07	7.72E-09	8.28E-04	3.13E-07	7.92E-09	1.66E-06	8.85E-07
500	489863.71, 3861100.05	0.0111494	4.22E-06	1.66E-06	5.95E-03	2.25E-06	8.84E-07	8.18E-04	3.09E-07	7.82E-09	8.41E-04	3.18E-07	8.04E-09	1.66E-06	8.85E-07
501	489913.71, 3861100.05	0.0111139	4.20E-06	1.65E-06	5.94E-03	2.25E-06	8.83E-07	8.29E-04	3.13E-07	7.93E-09	8.52E-04	3.22E-07	8.15E-09	1.65E-06	8.83E-07
502	489963.71, 3861100.05	0.0110956	4.20E-06	1.65E-06	5.94E-03	2.25E-06	8.83E-07	8.41E-04	3.18E-07	8.05E-09	8.65E-04	3.27E-07	8.28E-09	1.65E-06	8.83E-07
503	490013.71, 3861100.05	0.0110504	4.18E-06	1.64E-06	5.93E-03	2.24E-06	8.81E-07	8.54E-04	3.23E-07	8.17E-09	8.77E-04	3.31E-07	8.38E-09	1.64E-06	8.81E-07
504	490063.71, 3861100.05	0.0110353	4.17E-06	1.64E-06	5.93E-03	2.24E-06	8.81E-07	8.68E-04	3.28E-07	8.30E-09	8.91E-04	3.37E-07	8.53E-09	1.64E-06	8.81E-07
505	489713.71, 3861150.05	0.0104158	3.94E-06	1.55E-06	5.56E-03	2.10E-06	8.26E-07	7.66E-04	2.90E-07	7.33E-09	7.85E-04	2.97E-07	7.51E-09	1.55E-06	8.27E-07
506	489763.71, 3861150.05	0.0104138	3.94E-06	1.55E-06	5.57E-03	2.11E-06	8.27E-07	7.75E-04	2.93E-07	7.42E-09	7.97E-04	3.01E-07	7.62E-09	1.55E-06	8.27E-07
507	489813.71, 3861150.05	0.0104027	3.93E-06	1.55E-06	5.57E-03	2.11E-06	8.27E-07	7.86E-04	2.97E-07	7.52E-09	8.08E-04	3.05E-07	7.73E-09	1.55E-06	8.28E-07
508	489863.71, 3861150.05	0.0103781	3.92E-06	1.54E-06	5.57E-03	2.10E-06	8.27E-07	7.96E-04	3.01E-07	7.61E-09	8.19E-04	3.10E-07	7.84E-09	1.54E-06	8.27E-07
509	489913.71, 3861150.05	0.0103704	3.92E-06	1.54E-06	5.57E-03	2.11E-06	8.27E-07	8.07E-04	3.05E-07	7.72E-09	8.31E-04	3.14E-07	7.95E-09	1.54E-06	8.27E-07
510	489963.71, 3861150.05	0.0103518	3.91E-06	1.54E-06	5.57E-03	2.11E-06	8.27E-07	8.19E-04	3.10E-07	7.84E-09	8.42E-04	3.18E-07	8.06E-09	1.54E-06	8.27E-07
511	490013.71, 3861150.05	0.0103187	3.90E-06	1.53E-06	5.56E-03	2.10E-06	8.26E-07	8.30E-04	3.14E-07	7.94E-09	8.54E-04	3.23E-07	8.17E-09	1.53E-06	8.26E-07
512	490063.71, 3861150.05	0.0103021	3.90E-06	1.53E-06	5.56E-03	2.10E-06	8.26E-07	8.43E-04	3.19E-07	8.06E-09	8.67E-04	3.28E-07	8.29E-09	1.53E-06	8.26E-07
513	489613.71, 3861200.05	0.0097495	3.69E-06	1.45E-06	5.22E-03	1.97E-06	7.75E-07	7.30E-04	2.76E-07	6.98E-09	7.48E-04	2.83E-07	7.15E-09	1.45E-06	7.75E-07
514	489663.71, 3861200.05	0.0097519	3.69E-06	1.45E-06	5.22E-03	1.98E-06	7.76E-07	7.39E-04	2.80E-07	7.07E-09	7.57E-04	2.86E-07	7.24E-09	1.45E-06	7.76E-07
515	489713.71, 3861200.05	0.0097442	3.68E-06	1.45E-06	5.23E-03	1.98E-06	7.76E-07	7.47E-04	2.83E-07	7.15E-09	7.67E-04	2.90E-07	7.34E-09	1.45E-06	7.76E-07
516	489763.71, 3861200.05	0.0097421	3.68E-06	1.45E-06	5.23E-03	1.98E-06	7.77E-07	7.57E-04	2.86E-07	7.24E-09	7.77E-04	2.94E-07	7.43E-09	1.45E-06	7.77E-07
517	489813.71, 3861200.05	0.0097293	3.68E-06	1.45E-06	5.23E-03	1.98E-06	7.77E-07	7.66E-04	2.90E-07	7.33E-09	7.88E-04	2.98E-07	7.54E-09	1.45E-06	7.77E-07
518	489863.71, 3861200.05	0.0097341	3.68E-06	1.45E-06	5.24E-03	1.98E-06	7.78E-07	7.77E-04	2.94E-07	7.43E-09	8.00E-04	3.02E-07	7.65E-09	1.45E-06	7.78E-07
519	489913.71, 3861200.05	0.0097109	3.67E-06	1.44E-06	5.23E-03	1.98E-06	7.77E-07	7.86E-04	2.97E-07	7.52E-09	8.10E-04	3.06E-07	7.74E-09	1.44E-06	7.78E-07
520	489963.71, 3861200.05	0.0096908	3.66E-06	1.44E-06	5.23E-03	1.98E-06	7.77E-07	7.97E-04	3.01E-07	7.63E-09	8.21E-04	3.10E-07	7.85E-09	1.44E-06	7.77E-07
521	490013.71, 3861200.05	0.0096852	3.66E-06	1.44E-06	5.24E-03	1.98E-06	7.78E-07	8.08E-04	3.06E-07	7.73E-09	8.32E-04	3.15E-07	7.96E-09	1.44E-06	7.78E-07
522	490063.71, 3861200.05	0.0096683	3.66E-06	1.44E-06	5.24E-03	1.98E-06	7.78E-07	8.21E-04	3.10E-07	7.85E-09	8.44E-04	3.19E-07	8.07E-09	1.44E-06	7.78E-07
523	489513.71, 3861250.05	0.0091487	3.46E-06	1.36E-06	4.90E-03	1.85E-06	7.28E-07	6.99E-04	2.64E-07	6.68E-09	7.13E-04	2.70E-07	6.82E-09	1.36E-06	7.29E-07
524	489563.71, 3861250.05	0.009158	3.46E-06	1.36E-06	4.91E-03	1.86E-06	7.30E-07	7.06E-04	2.67E-07	6.76E-09	7.23E-04	2.73E-07	6.92E-09	1.36E-06	7.30E-07
525	489613.71, 3861250.05	0.0091646	3.46E-06	1.36E-06	4.92E-03	1.86E-06	7.31E-07	7.14E-04	2.70E-07	6.83E-09	7.31E-04	2.76E-07	6.99E-09	1.36E-06	7.31E-07
526	489663.71, 3861250.05	0.0091647	3.46E-06	1.36E-06	4.93E-03	1.86E-06	7.32E-07	7.22E-04	2.73E-07	6.91E-09	7.41E-04	2.80E-07	7.09E-09	1.36E-06	7.32E-07
527	489713.71, 3861250.05	0.0091568	3.46E-06	1.36E-06	4.93E-03	1.86E-06	7.32E-07	7.30E-04	2.76E-07	6.98E-09	7.49E-04	2.83E-07	7.17E-09	1.36E-06	7.32E-07
528	489763.71, 3861250.05	0.0091549	3.46E-06	1.36E-06	4.93E-03	1.87E-06	7.33E-07	7.39E-04	2.80E-07	7.07E-09	7.59E-04	2.87E-07	7.26E-09	1.36E-06	7.33E-07
529	489813.71, 3861250.05	0.0091555	3.46E-06	1.36E-06	4.94E-03	1.87E-06	7.34E-07	7.49E-04	2.83E-07	7.16E-09	7.69E-04	2.91E-07	7.35E-09	1.36E-06	7.34E-07
530	489863.71, 3861250.05	0.0091447	3.46E-06	1.36E-06	4.94E-03	1.87E-06	7.34E-07	7.58E-04	2.87E-07	7.25E-09	7.80E-04	2.95E-07	7.46E-09	1.36E-06	7.34E-07
531	489913.71, 3861250.05	0.0091355	3.45E-06	1.36E-06	4.94E-03	1.87E-06	7.34E-07	7.68E-04	2.90E-07	7.34E-09	7.90E-04	2.99E-07	7.56E-09	1.36E-06	7.34E-07
532	489963.71, 3861250.05	0.0091272	3.45E-06	1.36E-06	4.94E-03	1.87E-06	7.34E-07	7.77E-04	2.94E-07	7.43E-09	8.01E-04	3.03E-07	7.67E-09	1.36E-06	7.35E-07
533	490013.71, 3861250.05	0.0091218	3.45E-06	1.35E-06	4.95E-03	1.87E-06	7.35E-07	7.88E-04	2.98E-07	7.54E-09	8.11E-04	3.07E-07	7.76E-09	1.36E-06	7.35E-07
534	490063.71, 3861250.05	0.0091031	3.44E-06	1.35E-06	4.95E-03	1.87E-06	7.35E-07	7.99E-04	3.02E-07	7.64E-09	8.23E-04	3.11E-07	7.87E-09	1.35E-06	7.35E-07
535	489528.13, 3861308.47	0.0085518	3.23E-06	1.27E-06	4.60E-03	1.74E-06	6.84E-07	6.85E-04	2.59E-07	6.55E-09	6.99E-04	2.64E-07	6.68E-09	1.27E-06	6.84E-07
536	489578.13, 3861308.47	0.0085624	3.24E-06	1.27E-06	4.61E-03	1.74E-06	6.85E-07	6.91E-04	2.61E-07	6.61E-09	7.07E-04	2.67E-07	6.76E-09	1.27E-06	6.85E-07
537	489628.13, 3861308.47	0.0085712	3.24E-06	1.27E-06	4.62E-03	1.75E-06	6.87E-07	6.99E-04	2.64E-07	6.68E-09	7.15E-04	2.70E-07	6.84E-09	1.27E-06	6.87E-07
538	489678.13, 3861308.47	0.0085714	3.24E-06	1.27E-06	4.63E-03	1.75E-06	6.87E-07	7.05E-04	2.67E-07	6.74E-09	7.23E-04	2.73E-07	6.92E-09	1.27E-06	6.87E-07
539	489728.13, 3861308.47	0.0085665	3.24E-06	1.27E-06	4.63E-03	1.75E-06	6.88E-07	7.14E-04	2.70E-07	6.83E-09	7.33E-04	2.77E-07	7.01E-09	1.27E-06	6.88E-07
540	489778.13, 3861308.47	0.0085633	3.24E-06	1.27E-06	4.63E-03	1.75E-06	6.88E-07	7.22E-04	2.73E-07	6.91E-09	7.41E-04	2.80E-07	7.09E-09	1.27E-06	6.89E-07
541	489678.13, 3861358.47	0.0081251	3.07E-06	1.21E-06	4.40E-03	1.66E-06	6.54E-07	6.91E-04	2.61E-07	6.61E-09	7.08E-04	2.68E-07	6.78E-09	1.21E-06	6.54E-07
542	489728.13, 3861358.47	0.0081299	3.07E-06	1.21E-06	4.41E-03	1.67E-06	6.55E-07	6.97E-04	2.64E-07	6.67E-09	7.17E-04	2.71E-07	6.85E-09	1.21E-06	6.55E-07
543	489528.13, 3861408.47	0.0077293	2.92E-06	1.15E-06	4.19E-03	1.58E-06	6.22E-07	6.56E-04	2.48E-07	6.28E-09	6.69E-04	2.53E-07	6.40E-09	1.15E-06	6.22E-07
544	489578.13, 3861408.47	0.0077257	2.92E-06	1.15E-06	4.19E-03	1.58E-06	6.22E-07	6.63E-04	2.51E-07	6.34E-09	6.77E-04	2.56E-07	6.48E-09	1.15E-06	6.22E-07
545	489628.13, 3861408.47	0.0077325	2.92E-06	1.15E-06	4.20E-03	1.59E-06	6.23E-07	6.69E-04	2.53E-07	6.40E-09	6.86E-04	2.59E-07	6.56E-09	1.15E-06	6.23E-07
546	489678.13, 3861408.47	0.0077457	2.93E-06	1.15E-06	4.21E-03	1.59E-06	6.25E-07	6.75E-04	2.55E-07	6.46E-09	6.92E-04	2.62E-07	6.62E-09	1.15E-06	6.25E-07
547	489728.13, 3861408.47	0.0077385	2.93E-06	1.15E-06	4.21E-03	1.59E-06	6.25E-07	6.83E-04	2.58E-07	6.53E-09	7.00E-04	2.65E-07	6.70E-09	1.15E-06	6.25E-07
548	489528.13, 3861458.47	0.0073823	2.79E-06	1.10E-06	4.01E-03	1.52E-06	5.95E-07	6.44E-04	2.43E-07	6.16E-09	6.56E-04	2.48E-07	6.28E-09	1.10E-06	5.96E-07
549	489578.13, 3861458.47	0.0073922	2.79E-06	1.10E-06	4.02E-03	1.52E-06	5.97E-07	6.50E-04	2.46E-07	6.22E-09	6.63E-04	2.51E-07	6.34E-09	1.10E-06	5.97E-07
550	489628.13, 3861458.47	0.0073984	2.80E-06	1.10E-06	4.02E-03	1.52E-06	5.98E-07	6.56E-04	2.48E-07	6.28E-09	6.71E-04	2.54E-07	6.42E-09	1.10E-06	5.98E-07
551	489678.13, 3861458.47	0.007398	2.80E-06	1.10E-06	4.03E-03	1.52E-06	5.98E-07	6.63E-04	2.51E-07	6.34E-09	6.79E-04	2.57E-07	6.50E-09	1.10E-06	5.99E-07
552	489728.13, 3861458.47	0.0074021	2.80E-06	1.10E-06	4.03E-03	1.53E-06	5.99E-07	6.69E-04	2.53E-07	6.40E-09	6.86E-04	2.59E-07	6.56E-09	1.10E-06	5.99E-07
553	489528.13, 3861508.47	0.0070763	2.68E-06	1.05E-06	3.85E-03	1.46E-06	5.72E-07	6.31E-04	2.39E-07	6.04E-09	6.43E-04	2.43E-07	6.15E-09	1.05E-06	5.72E-07
554	489578.13, 3861508.47	0.007086	2.68E-06	1.05E-06	3.86E-03	1.46E-06	5.73E-07	6.38E-04	2.41E-07	6.10E-09	6.50E-04	2.46E-07	6.21E-09	1.05E-06	5.74E-07
555	489628.13, 3861508.47	0.0070783	2.68E-06	1.05E-06	3.86E-03	1.46E-06	5.73E-07	6.44E-04	2.43E-07	6.16E-09	6.58E-04	2.49E-07	6.29E-09	1.05E-06	5.74E-07
556	489678.13, 3861508.47	0.0070893	2.68E-06	1.05E-06	3.87E-03	1.46E-06	5.75E-07	6.49E-04	2.45E-07	6.20E-09	6.64E-04	2.51E-07	6.35E-09	1.05E-06	5.75E-07
557	489728.13, 3861508.47	0.0070933	2.68E-06	1.05E-06	3.88E-03	1.47E-06	5.76E-07	6.55E-04	2.48E-07	6.26E-09	6.73E-04	2.54E-07	6.43E-09	1.05E-06	5.76E-07
558	489628.13, 3861558.47	0.0068132	2.58E-06	1.01E-06	3.72E-03	1.41E-06	5.53E-07	6.31E-04	2.39E-07	6.04E-09	6.45E-04	2.44E-07	6.17E-09	1.01E-06	5.53E-07
559	489678.13, 3861558.47	0.0068125	2.58E-06	1.01E-06	3.73E-03	1.41E-06	5.54E-07	6.38E-04	2.41E-07	6.10E-09	6.51E-04	2.46E-07	6.23E-09	1.01E-06	5.54E-07
560	489728.13, 3861558.47	0.0068167	2.58E-06	1.01E-06	3.73E-03	1.41E-06	5.55E-07	6.44E-04	2.43E-07	6.16E-09	6.59E-04	2.49E-07	6.31E-09	1.01E-06	5.55E-07

561	489357.08, 3861015.81	0.0132005	4.99E-06	1.96E-06	6.91E-03	2.61E-06	1.03E-06	7.52E-04	2.84E-07	7.19E-09	7.64E-04	2.89E-07	7.31E-09	1.96E-06	1.03E-06
562	489407.08, 3861015.81	0.0131054	4.95E-06	1.95E-06	6.87E-03	2.60E-06	1.02E-06	7.60E-04	2.87E-07	7.27E-09	7.74E-04	2.93E-07	7.40E-09	1.95E-06	1.02E-06
563	489457.08, 3861015.81	0.0130476	4.93E-06	1.94E-06	6.85E-03	2.59E-06	1.02E-06	7.68E-04	2.90E-07	7.34E-09	7.83E-04	2.96E-07	7.49E-09	1.94E-06	1.02E-06
564	489357.08, 3861065.81	0.0120683	4.56E-06	1.79E-06	6.35E-03	2.40E-06	9.43E-07	7.36E-04	2.78E-07	7.04E-09	7.48E-04	2.83E-07	7.15E-09	1.79E-06	9.43E-07
565	489407.08, 3861065.81	0.0119856	4.53E-06	1.78E-06	6.31E-03	2.39E-06	9.38E-07	7.43E-04	2.81E-07	7.10E-09	7.56E-04	2.86E-07	7.23E-09	1.78E-06	9.38E-07
566	489457.08, 3861065.81	0.0119412	4.51E-06	1.77E-06	6.30E-03	2.38E-06	9.35E-07	7.50E-04	2.84E-07	7.18E-09	7.66E-04	2.89E-07	7.32E-09	1.77E-06	9.35E-07
567	489357.08, 3861115.81	0.0111263	4.21E-06	1.65E-06	5.88E-03	2.22E-06	8.73E-07	7.21E-04	2.72E-07	6.89E-09	7.31E-04	2.76E-07	6.99E-09	1.65E-06	8.74E-07
568	489407.08, 3861115.81	0.0110585	4.18E-06	1.64E-06	5.85E-03	2.21E-06	8.69E-07	7.27E-04	2.75E-07	6.95E-09	7.41E-04	2.80E-07	7.09E-09	1.64E-06	8.69E-07
569	489457.08, 3861115.81	0.0110279	4.17E-06	1.64E-06	5.84E-03	2.21E-06	8.68E-07	7.35E-04	2.78E-07	7.03E-09	7.49E-04	2.83E-07	7.17E-09	1.64E-06	8.68E-07
570	489407.08, 3861165.81	0.0102664	3.88E-06	1.52E-06	5.46E-03	2.06E-06	8.10E-07	7.11E-04	2.69E-07	6.80E-09	7.25E-04	2.74E-07	6.93E-09	1.53E-06	8.11E-07
571	489457.08, 3861165.81	0.0102372	3.87E-06	1.52E-06	5.45E-03	2.06E-06	8.09E-07	7.19E-04	2.72E-07	6.88E-09	7.33E-04	2.77E-07	7.01E-09	1.52E-06	8.09E-07
572	489407.08, 3861215.81	0.0095875	3.62E-06	1.42E-06	5.12E-03	1.93E-06	7.60E-07	6.96E-04	2.63E-07	6.65E-09	7.08E-04	2.68E-07	6.78E-09	1.42E-06	7.60E-07
573	489457.08, 3861215.81	0.0095684	3.62E-06	1.42E-06	5.11E-03	1.93E-06	7.59E-07	7.02E-04	2.65E-07	6.71E-09	7.17E-04	2.71E-07	6.85E-09	1.42E-06	7.59E-07
574	489407.08, 3861265.81	0.009014	3.41E-06	1.34E-06	4.83E-03	1.82E-06	7.17E-07	6.80E-04	2.57E-07	6.50E-09	6.92E-04	2.62E-07	6.62E-09	1.34E-06	7.17E-07
575	489457.08, 3861265.81	0.0089825	3.40E-06	1.33E-06	4.82E-03	1.82E-06	7.15E-07	6.86E-04	2.59E-07	6.56E-09	7.00E-04	2.65E-07	6.70E-09	1.33E-06	7.15E-07
576	489309.86, 3861110.14	0.0114141	4.32E-06	1.70E-06	6.02E-03	2.27E-06	8.94E-07	7.14E-04	2.70E-07	6.83E-09	7.25E-04	2.74E-07	6.93E-09	1.70E-06	8.94E-07
577	489407.08, 3861315.81	0.0085276	3.22E-06	1.27E-06	4.58E-03	1.73E-06	6.80E-07	6.66E-04	2.52E-07	6.37E-09	6.77E-04	2.56E-07	6.48E-09	1.27E-06	6.80E-07
578	489457.08, 3861315.81	0.0084959	3.21E-06	1.26E-06	4.57E-03	1.73E-06	6.79E-07	6.72E-04	2.54E-07	6.43E-09	6.86E-04	2.59E-07	6.56E-09	1.26E-06	6.79E-07
579	488906.03, 3861006.75	0.0121115	4.58E-06	1.80E-06	6.34E-03	2.40E-06	9.42E-07	6.94E-04	2.62E-07	6.64E-09	6.95E-04	2.63E-07	6.65E-09	1.80E-06	9.42E-07
580	488956.03, 3861006.75	0.0122121	4.62E-06	1.81E-06	6.40E-03	2.42E-06	9.50E-07	7.00E-04	2.65E-07	6.70E-09	7.04E-04	2.66E-07	6.73E-09	1.81E-06	9.50E-07
581	488904.24, 3861051.87	0.0110734	4.19E-06	1.64E-06	5.83E-03	2.20E-06	8.66E-07	6.83E-04	2.58E-07	6.53E-09	6.84E-04	2.59E-07	6.54E-09	1.64E-06	8.66E-07
582	488954.24, 3861051.87	0.011134	4.21E-06	1.65E-06	5.86E-03	2.22E-06	8.71E-07	6.88E-04	2.60E-07	6.58E-09	6.90E-04	2.61E-07	6.60E-09	1.65E-06	8.71E-07
583	489004.24, 3861051.87	0.0112715	4.26E-06	1.67E-06	5.94E-03	2.24E-06	8.82E-07	6.96E-04	2.63E-07	6.65E-09	6.99E-04	2.64E-07	6.68E-09	1.67E-06	8.82E-07
584	488804.24, 3861101.87	0.0099039	3.74E-06	1.47E-06	5.25E-03	1.98E-06	7.79E-07	6.58E-04	2.49E-07	6.29E-09	6.56E-04	2.48E-07	6.28E-09	1.47E-06	7.79E-07
585	488854.24, 3861101.87	0.0099918	3.78E-06	1.48E-06	5.29E-03	2.00E-06	7.86E-07	6.64E-04	2.51E-07	6.35E-09	6.64E-04	2.51E-07	6.35E-09	1.48E-06	7.86E-07
586	488904.24, 3861101.87	0.0100303	3.79E-06	1.49E-06	5.31E-03	2.01E-06	7.89E-07	6.67E-04	2.52E-07	6.38E-09	6.69E-04	2.53E-07	6.40E-09	1.49E-06	7.89E-07
587	488954.24, 3861101.87	0.010119	3.83E-06	1.50E-06	5.36E-03	2.03E-06	7.96E-07	6.74E-04	2.55E-07	6.44E-09	6.76E-04	2.55E-07	6.46E-09	1.50E-06	7.96E-07
588	489004.24, 3861101.87	0.0102326	3.87E-06	1.52E-06	5.42E-03	2.05E-06	8.05E-07	6.78E-04	2.56E-07	6.49E-09	6.82E-04	2.58E-07	6.53E-09	1.52E-06	8.05E-07
589	488804.24, 3861151.87	0.0090777	3.43E-06	1.35E-06	4.83E-03	1.83E-06	7.18E-07	6.44E-04	2.43E-07	6.16E-09	6.41E-04	2.43E-07	6.14E-09	1.35E-06	7.18E-07
590	488854.24, 3861151.87	0.0091381	3.45E-06	1.36E-06	4.87E-03	1.84E-06	7.23E-07	6.49E-04	2.45E-07	6.20E-09	6.48E-04	2.45E-07	6.20E-09	1.36E-06	7.23E-07
591	489129.49, 3861187.55	0.0095419	3.61E-06	1.42E-06	5.08E-03	1.92E-06	7.54E-07	6.69E-04	2.53E-07	6.40E-09	6.74E-04	2.55E-07	6.45E-09	1.42E-06	7.54E-07
592	489179.49, 3861187.55	0.0106068	4.01E-06	1.58E-06	5.60E-03	2.12E-06	8.32E-07	6.75E-04	2.55E-07	6.46E-09	6.81E-04	2.57E-07	6.51E-09	1.58E-06	8.32E-07
593	488804.24, 3861201.87	0.0084569	3.20E-06	1.26E-06	4.52E-03	1.71E-06	6.72E-07	6.31E-04	2.39E-07	6.04E-09	6.30E-04	2.38E-07	6.03E-09	1.26E-06	6.72E-07
594	488854.24, 3861201.87	0.0085037	3.22E-06	1.26E-06	4.55E-03	1.72E-06	6.76E-07	6.36E-04	2.40E-07	6.08E-09	6.35E-04	2.40E-07	6.07E-09	1.26E-06	6.76E-07
595	489129.49, 3861237.55	0.0089604	3.39E-06	1.33E-06	4.79E-03	1.81E-06	7.11E-07	6.56E-04	2.48E-07	6.28E-09	6.61E-04	2.50E-07	6.32E-09	1.33E-06	7.11E-07
596	489179.49, 3861237.55	0.0100426	3.80E-06	1.49E-06	5.31E-03	2.01E-06	7.89E-07	6.61E-04	2.50E-07	6.32E-09	6.68E-04	2.52E-07	6.39E-09	1.49E-06	7.89E-07
597	488804.24, 3861251.87	0.0079205	2.99E-06	1.18E-06	4.26E-03	1.61E-06	6.32E-07	6.20E-04	2.35E-07	5.93E-09	6.19E-04	2.34E-07	5.92E-09	1.18E-06	6.32E-07
598	488854.24, 3861251.87	0.0079793	3.02E-06	1.19E-06	4.29E-03	1.62E-06	6.37E-07	6.23E-04	2.36E-07	5.96E-09	6.24E-04	2.36E-07	5.96E-09	1.19E-06	6.37E-07
599	488804.24, 3861301.87	0.0074644	2.82E-06	1.11E-06	4.03E-03	1.52E-06	5.98E-07	6.08E-04	2.30E-07	5.81E-09	6.06E-04	2.29E-07	5.79E-09	1.11E-06	5.98E-07
600	488854.24, 3861301.87	0.0075252	2.85E-06	1.12E-06	4.06E-03	1.53E-06	6.03E-07	6.13E-04	2.32E-07	5.86E-09	6.12E-04	2.31E-07	5.86E-09	1.12E-06	6.03E-07
601	490943.5, 3860181.97	0.0340369	1.29E-05	5.06E-06	1.97E-02	7.46E-06	2.93E-06	4.91E-03	1.85E-06	4.69E-08	5.09E-03	1.93E-06	4.87E-08	5.06E-06	2.93E-06
602	490993.5, 3860181.97	0.0354331	1.34E-05	5.26E-06	2.08E-02	7.87E-06	3.09E-06	5.53E-03	2.09E-06	5.29E-08	5.77E-03	2.18E-06	5.52E-08	5.27E-06	3.09E-06
603	491043.5, 3860181.97	0.0375287	1.42E-05	5.57E-06	2.24E-02	8.47E-06	3.33E-06	6.39E-03	2.41E-06	6.11E-08	6.69E-03	2.53E-06	6.40E-08	5.58E-06	3.33E-06
604	491093.5, 3860181.97	0.0408186	1.54E-05	6.06E-06	2.48E-02	9.37E-06	3.68E-06	7.61E-03	2.88E-06	7.28E-08	8.03E-03	3.04E-06	7.68E-08	6.07E-06	3.68E-06
605	490943.5, 3860231.97	0.0311234	1.18E-05	4.62E-06	1.78E-02	6.74E-06	2.65E-06	4.14E-03	1.57E-06	3.96E-08	4.29E-03	1.62E-06	4.10E-08	4.62E-06	2.65E-06
606	490993.5, 3860231.97	0.0320516	1.21E-05	4.76E-06	1.86E-02	7.02E-06	2.76E-06	4.60E-03	1.74E-06	4.40E-08	4.78E-03	1.81E-06	4.57E-08	4.76E-06	2.76E-06
607	491043.5, 3860231.97	0.0333234	1.26E-05	4.95E-06	1.96E-02	7.39E-06	2.90E-06	5.16E-03	1.95E-06	4.94E-08	5.38E-03	2.04E-06	5.15E-08	4.95E-06	2.91E-06
608	491093.5, 3860231.97	0.0352955	1.33E-05	5.24E-06	2.10E-02	7.94E-06	3.12E-06	5.93E-03	2.24E-06	5.67E-08	6.20E-03	2.34E-06	5.93E-08	5.25E-06	3.12E-06
609	490943.5, 3860281.97	0.0287933	1.09E-05	4.28E-06	1.63E-02	6.18E-06	2.43E-06	3.60E-03	1.36E-06	3.44E-08	3.71E-03	1.40E-06	3.55E-08	4.28E-06	2.43E-06
610	490993.5, 3860281.97	0.0293621	1.11E-05	4.36E-06	1.68E-02	6.36E-06	2.50E-06	3.94E-03	1.49E-06	3.76E-08	4.07E-03	1.54E-06	3.90E-08	4.36E-06	2.50E-06
611	491043.5, 3860281.97	0.0301531	1.14E-05	4.48E-06	1.75E-02	6.61E-06	2.60E-06	4.34E-03	1.64E-06	4.16E-08	4.51E-03	1.70E-06	4.31E-08	4.48E-06	2.60E-06
612	491093.5, 3860281.97	0.0313234	1.18E-05	4.65E-06	1.84E-02	6.95E-06	2.73E-06	4.87E-03	1.84E-06	4.66E-08	5.06E-03	1.91E-06	4.84E-08	4.65E-06	2.73E-06
613	490943.5, 3860331.97	0.0267896	1.01E-05	3.98E-06	1.51E-02	5.71E-06	2.24E-06	3.18E-03	1.20E-06	3.04E-08	3.28E-03	1.24E-06	3.14E-08	3.98E-06	2.24E-06
614	490993.5, 3860331.97	0.0270796	1.02E-05	4.02E-06	1.54E-02	5.82E-06	2.29E-06	3.43E-03	1.30E-06	3.28E-08	3.54E-03	1.34E-06	3.39E-08	4.02E-06	2.29E-06
615	491043.5, 3860331.97	0.0275636	1.04E-05	4.09E-06	1.58E-02	5.99E-06	2.35E-06	3.74E-03	1.41E-06	3.58E-08	3.86E-03	1.46E-06	3.70E-08	4.10E-06	2.35E-06
616	491093.5, 3860331.97	0.0282557	1.07E-05	4.20E-06	1.64E-02	6.21E-06	2.44E-06	4.13E-03	1.56E-06	3.95E-08	4.27E-03	1.61E-06	4.08E-08	4.20E-06	2.44E-06
617	490086.72, 3859935.12	0.0429474	1.62E-05	6.38E-06	2.29E-02	8.67E-06	3.41E-06	3.16E-03	1.19E-06	3.02E-08	3.23E-03	1.22E-06	3.09E-08	6.38E-06	3.41E-06
618	490136.72, 3859935.12	0.042437	1.60E-05	6.30E-06	2.28E-02	8.63E-06	3.39E-06	3.36E-03	1.27E-06	3.21E-08	3.44E-03	1.30E-06	3.29E-08	6.30E-06	3.39E-06
619	490186.72, 3859935.12	0.0420464	1.59E-05	6.25E-06	2.28E-02	8.61E-06	3.38E-06	3.59E-03	1.36E-06	3.43E-08	3.67E-03	1.39E-06	3.51E-08	6.25E-06	3.38E-06
620	490236.72, 3859935.12	0.0417957	1.58E-05	6.21E-06	2.28E-02	8.63E-06	3.39E-06	3.85E-03	1.46E-06	3.68E-08	3.94E-03	1.49E-06	3.77E-08	6.21E-06	3.39E-06
621	490286.72, 3859935.12	0.0416606	1.58E-05	6.19E-06	2.30E-02	8.68E-06	3.41E-06	4.15E-03	1.57E-06	3.97E-08	4.24E-03	1.60E-06	4.06E-08	6.19E-06	3.41E-06
622	490336.72, 3859935.12	0.0416852	1.58E-05	6.19E-06	2.32E-02	8.77E-06	3.44E-06	4.49E-03	1.70E-06	4.30E-08	4.60E-03	1.74E-06	4.40E-08	6.19E-06	3.45E-06
623	490386.72, 3859935.12	0.0419158	1.58E-05	6.23E-06	2.36E-02	8.91E-06	3.50E-06	4.91E-03	1.86E-06	4.70E-08	5.02E-03	1.90E-06	4.81E-08	6.23E-06	3.50E-06
624	490436.72, 3859935.12	0.0423759	1.60E-05	6.29E-06	2.41E-02	9.12E-06	3.58E-06	5.42E-03	2.05E-06	5.18E-08	5.54E-03	2.09E-06	5.30E-08	6.30E-06	3.58E-06
625	490486.72, 3859935.12	0.0431472	1.63E-05	6.41E-06	2.49E-02	9.41E-06	3.70E-06	6.04E-03	2.28E-06	5.78E-08	6.17E-03	2.33E-06	5.90E-08	6.41E-06	3.70E-06
626	490536.72, 3859935.12	0.0444577	1.68E-05	6.60E-06	2.61E-02	9.86E-06	3.87E-06	6.89E-03	2.61E-06	6.59E-08	7.03E-03	2.66E-06	6.72E-08	6.60E-06	3.88E-06
627	490586.72, 3859935.12	0.0463891	1.75E-05	6.89E-06	2.78E-02	1.05E-05	4.12E-06	8.03E-03	3.04E-06	7.68E-08	8.17E-03	3.09E-06	7.81E-08	6.89E-06	4.13E-06
628	490636.72, 3859935.12	0.049057	1.85E-05	7.29E-06	3.00E-02	1.13E-05	4.46E-06	9.51E-03	3.60E-06	9.10E-08	9.63E-03	3.64E-06	9.21E-08	7.29E-06	4.46E-06
629	490686.72, 3859935.12	0.0533893	2.02E-05	7.93E-06	3.36E-02	1.27E-05	4.99E-06	1.18E-02	4.46E-06	1.13E-07	1.18E-02	4.48E-06	1.13E-07	7.93E-06	4.99E-06
630	490736.72, 3859935.12	0.0599323	2.27E-05	8.90E-06	3.89E-02	1.47E-05	5.78E-06	1.51E-02	5.70E-06	1.44E-07	1.50E-02	5.67E-06	1.44E-07	8.90E-06	5.78E-06
631	490086.72, 3859985.12	0.0416755	1.58E-05	6.19E-06	2.21E-02	8.35E-06	3.28E-06	2.77E-03	1.05E-06	2.65E-08	2.83E-03	1.07E-06	2.71E-08	6.19E-06	3.28E-06
632	490136.72, 3859985.12	0.0410132	1.55E-05	6.09E-06	2.18E-02	8.26E-06	3.25E-06	2.92E-03	1.10E-06	2.79E-08	2.99E-03	1.13E-06	2.86E-08	6.09E-06	3.25E-06
633	490186.72, 3859985.12	0.0404765	1.53E-05	6.01E-06	2.17E-02	8.20E-06	3.22E-06	3.09E-03	1.17E-06	2.96E-08	3.16E-03	1.19E-06	3.02E-08	6.01E-06	3.22E-06
634	490236.72, 3859985.12	0.0400558	1.51E-05	5.95E-06	2.16E-02	8.17E-06	3.21E-06	3.28E-03	1.24E-06	3.14E-08	3.36E-03	1.27E-06	3.21E-08	5.95E-06	3.21E-06
635	490286.72, 3859985.12	0.0397223	1.50E-05	5.90E-06	2.16E-02	8.16E-06	3.21E-06	3.49E-03	1.32E-06	3.34E-08	3.57E-03	1.35E-06	3.42E-08	5.90E-06	3.21E-06
636	490336.72, 3859985.12	0.0394833	1.49E-05	5.86E-06	2.16E-02	8.18E-06	3.21E-06	3.73E-03	1.41E-06	3.57E-08	3.81E-03	1.44E-06	3.65E-08	5.87E-06	3.21E-06
637	490386.72, 3859985.12	0.0393592	1.49E-05	5.85E-06	2.17E-02	8.22E-06	3.23E-06	3.99E-03	1.51E-06	3.82E-08	4.08E-03	1.54E-06	3.90E-08	5.85E-06	3.23E-06
638	490436.72, 3859985.12	0.039415	1.49E-05	5.85E-06	2.20E-02	8.31E-06	3.26E-06	4.31E-03	1.63E-06	4.12E-08	4.40E-03	1.66E-06	4.21E-08	5.86E-06	3.26E-06
639	490486.72, 3859985.12	0.0396916	1.50E-05	5.90E-06	2.23E-02	8.45E-06	3.32E-06	4.69E-03	1.77E-06	4.49E-08	4.79E-03	1.81E-06	4.58E-08	5.90E-06	3.32E-06
640	490536.72, 3859985.12	0.0402302	1.52E-05	5.98E-06	2.29E-02	8.66E-06	3.40E-06	5.17E-03	1.95E-06	4.94E-08	5.28E-03	1.99E-06	5.05E-08	5.98E-06	3.41E-06
641	490586.72, 3859985.12	0.0411188	1.55E-05	6.11E-06	2.37E-02	8.97E-06	3.53E-06	5.77E-03	2.18E-06	5.52E-08	5.88E-03	2.22E-06	5.63E-08	6.11E-06	3.53E-06
642	490636.72, 3859985.12	0.0424434	1.60E-05	6.30E-06	2.49E-02	9.41E-06	3.69E-06	6.53E-03	2.47E-06	6.25E-08	6.65E-03	2.51E-06	6.36E-08	6.31E-06	3.70E-06
643	490686.72, 3859985.12	0.044482	1.68E-05	6.61E-06	2.65E-02	1.00E-05	3.94E-06	7.56E-03	2.86E-06	7.24E-08	7.68E-03	2.90E-06	7.34E-08	6.61E-06	3.94E-06
644	490736.72, 3859985.12	0.0472355	1.79E-05	7.02E-06	2.87E-02	1.09E-05	4.26E-06	8.85E-03	3.35E-06	8.46E-08	8.94E-03	3.38E-06	8.55E-08	7.02E-06	4.26E-06
645	490786.72, 3859985.12	0.0516201	1.95E-05	7.67E-06	3.20E-02	1.21E-05	4.75E-06	1.07E-02	4.03E-06	1.02E-07	1.07E-02	4.04E-06	1.02E-07	7.67E-06	4.75E-06
646	490086.72, 3860035.12	0.0405493	1.53E-05	6.02E-06	2.13E-02	8.07E-06	3.17E-06	2.48E-03	9.38E-07	2.37E-08	2.53E-03	9.57E-07	2.42E-08	6.02E-06	3.17E-06
647	490136.72, 3860035.12	0.0397913	1.50E-05	5.91E-06	2.10E-02	7.96E-06	3.13E-06	2.60E-03	9.81E-07	2.48E-08	2.65E-03	1.00E-06	2.54E-08	5.91E-06	3.13E-06
648	490186.72, 3860035.12	0.0391189	1.48E-05	5.81E-06	2.08E-02	7.86E-06	3.09E-06	2.72E-03	1.03E-06	2.61E-08	2.78E-03	1.05E-06	2.66E-08	5.81E-06	3.09E-06
649	490236.72, 3860035.12	0.0385614	1.46E-05	5.73E-06	2.06E-02	7.80E-06	3.06E-06	2.87E-03	1.08E-06	2.74E-08	2.93E-03	1.11E-06	2.80E-08	5.73E-06	3.06E-06
650	490286.72, 3860035.12	0.038074	1.44E-05	5.66E-06	2.05E-02	7.74E-06	3.04E-06	3.02E-03	1.14E-06	2.89E-08	3.09E-03	1.17E-06	2.95E-08	5.66E-06	3.04E-06
651	490336.72, 3860035.12	0.0377317	1.43E-05	5.60E-06	2.04E-02	7.72E-06	3.03E-06	3.20E-03	1.21E-06	3.06E-08	3.27E-03	1.24E-06	3.13E-08	5.61E-06	3.04E-06
652	490386.72, 3860035.12	0.0374251	1.41E-05	5.56E-06	2.04E-02	7.71E-06	3.03E-06	3.39E-03	1.28E-06	3.24E-08	3.46E-03	1.31E-06	3.31E-08	5.56E-06	3.03E-06
653	490436.72, 3860035.12	0.0372579	1.41E-05	5.53E-06	2.05E-02	7.74E-06	3.04E-06	3.61E-03	1.36E-06	3.45E-08	3.68E-03	1.39E-06	3.52E-08	5.53E-06	3.04E-06
654	490486.72, 3860035.12	0.0372476	1.41E-05	5.53E-06	2.06E-02	7.80E-06	3.06E-06	3.86E-03	1.46E-06	3.69E-08	3.94E-03	1.49E-06	3.77E-08	5.53E-06	3.06E-06

655	490536.72, 3860035.12	0.0374306	1.42E-05	5.56E-06	2.09E-02	7.91E-06	3.11E-06	4.17E-03	1.58E-06	3.99E-08	4.26E-03	1.61E-06	4.07E-08	5.56E-06	3.11E-06
656	490586.72, 3860035.12	0.0377925	1.43E-05	5.61E-06	2.13E-02	8.06E-06	3.17E-06	4.53E-03	1.71E-06	4.33E-08	4.63E-03	1.75E-06	4.42E-08	5.61E-06	3.17E-06
657	490636.72, 3860035.12	0.0383631	1.45E-05	5.70E-06	2.19E-02	8.27E-06	3.25E-06	4.95E-03	1.87E-06	4.74E-08	5.05E-03	1.91E-06	4.83E-08	5.70E-06	3.25E-06
658	490686.72, 3860035.12	0.0393394	1.49E-05	5.84E-06	2.27E-02	8.58E-06	3.37E-06	5.50E-03	2.08E-06	5.26E-08	5.62E-03	2.12E-06	5.37E-08	5.84E-06	3.37E-06
659	490736.72, 3860035.12	0.04087	1.55E-05	6.07E-06	2.39E-02	9.04E-06	3.55E-06	6.24E-03	2.36E-06	5.97E-08	6.36E-03	2.41E-06	6.09E-08	6.07E-06	3.55E-06
660	490786.72, 3860035.12	0.0428231	1.62E-05	6.36E-06	2.54E-02	9.61E-06	3.78E-06	7.09E-03	2.68E-06	6.79E-08	7.23E-03	2.74E-06	6.92E-08	6.36E-06	3.78E-06
661	490836.72, 3860035.12	0.0455766	1.72E-05	6.77E-06	2.75E-02	1.04E-05	4.08E-06	8.23E-03	3.11E-06	7.87E-08	8.40E-03	3.17E-06	8.03E-08	6.77E-06	4.09E-06
662	490086.72, 3860085.12	0.0395686	1.50E-05	5.88E-06	2.07E-02	7.83E-06	3.08E-06	2.25E-03	8.52E-07	2.16E-08	2.30E-03	8.70E-07	2.20E-08	5.88E-06	3.08E-06
663	490136.72, 3860085.12	0.0386478	1.46E-05	5.74E-06	2.03E-02	7.68E-06	3.02E-06	2.34E-03	8.85E-07	2.24E-08	2.39E-03	9.03E-07	2.28E-08	5.74E-06	3.02E-06
664	490186.72, 3860085.12	0.0379195	1.43E-05	5.63E-06	2.00E-02	7.58E-06	2.98E-06	2.45E-03	9.25E-07	2.34E-08	2.50E-03	9.45E-07	2.39E-08	5.63E-06	2.98E-06
665	490236.72, 3860085.12	0.0372503	1.41E-05	5.53E-06	1.98E-02	7.48E-06	2.94E-06	2.56E-03	9.67E-07	2.45E-08	2.61E-03	9.88E-07	2.50E-08	5.53E-06	2.94E-06
666	490286.72, 3860085.12	0.036678	1.39E-05	5.45E-06	1.96E-02	7.40E-06	2.91E-06	2.68E-03	1.01E-06	2.56E-08	2.74E-03	1.03E-06	2.62E-08	5.45E-06	2.91E-06
667	490336.72, 3860085.12	0.036187	1.37E-05	5.37E-06	1.94E-02	7.34E-06	2.89E-06	2.81E-03	1.06E-06	2.69E-08	2.87E-03	1.08E-06	2.74E-08	5.38E-06	2.89E-06
668	490386.72, 3860085.12	0.0357858	1.35E-05	5.32E-06	1.93E-02	7.31E-06	2.87E-06	2.95E-03	1.12E-06	2.82E-08	3.01E-03	1.14E-06	2.88E-08	5.32E-06	2.87E-06
669	490436.72, 3860085.12	0.0354877	1.34E-05	5.27E-06	1.93E-02	7.29E-06	2.86E-06	3.11E-03	1.18E-06	2.98E-08	3.18E-03	1.20E-06	3.04E-08	5.27E-06	2.86E-06
670	490486.72, 3860085.12	0.0352827	1.33E-05	5.24E-06	1.93E-02	7.30E-06	2.87E-06	3.29E-03	1.25E-06	3.15E-08	3.36E-03	1.27E-06	3.22E-08	5.24E-06	2.87E-06
671	490536.72, 3860085.12	0.0352507	1.33E-05	5.24E-06	1.94E-02	7.34E-06	2.89E-06	3.51E-03	1.33E-06	3.36E-08	3.59E-03	1.36E-06	3.43E-08	5.24E-06	2.89E-06
672	490586.72, 3860085.12	0.0353438	1.34E-05	5.25E-06	1.96E-02	7.42E-06	2.92E-06	3.76E-03	1.42E-06	3.60E-08	3.84E-03	1.45E-06	3.68E-08	5.25E-06	2.92E-06
673	490636.72, 3860085.12	0.0355769	1.35E-05	5.28E-06	1.99E-02	7.54E-06	2.96E-06	4.05E-03	1.53E-06	3.87E-08	4.14E-03	1.56E-06	3.96E-08	5.29E-06	2.96E-06
674	490686.72, 3860085.12	0.0360595	1.36E-05	5.36E-06	2.04E-02	7.71E-06	3.03E-06	4.40E-03	1.66E-06	4.21E-08	4.50E-03	1.70E-06	4.31E-08	5.36E-06	3.03E-06
675	490736.72, 3860085.12	0.0367977	1.39E-05	5.47E-06	2.10E-02	7.95E-06	3.12E-06	4.83E-03	1.83E-06	4.62E-08	4.95E-03	1.87E-06	4.74E-08	5.47E-06	3.12E-06
676	490786.72, 3860085.12	0.0378513	1.43E-05	5.62E-06	2.19E-02	8.27E-06	3.25E-06	5.36E-03	2.03E-06	5.13E-08	5.51E-03	2.08E-06	5.27E-08	5.62E-06	3.25E-06
677	490836.72, 3860085.12	0.0391868	1.48E-05	5.82E-06	2.29E-02	8.67E-06	3.41E-06	6.00E-03	2.27E-06	5.73E-08	6.17E-03	2.33E-06	5.91E-08	5.82E-06	3.41E-06
678	490086.72, 3860135.12	0.0384006	1.45E-05	5.70E-06	2.00E-02	7.57E-06	2.97E-06	2.05E-03	7.76E-07	1.96E-08	2.09E-03	7.91E-07	2.00E-08	5.70E-06	2.97E-06
679	490136.72, 3860135.12	0.0374979	1.42E-05	5.57E-06	1.96E-02	7.42E-06	2.92E-06	2.13E-03	8.06E-07	2.04E-08	2.17E-03	8.22E-07	2.08E-08	5.57E-06	2.92E-06
680	490186.72, 3860135.12	0.0367172	1.39E-05	5.45E-06	1.93E-02	7.30E-06	2.87E-06	2.22E-03	8.39E-07	2.12E-08	2.27E-03	8.57E-07	2.17E-08	5.45E-06	2.87E-06
681	490236.72, 3860135.12	0.0359799	1.36E-05	5.34E-06	1.90E-02	7.18E-06	2.82E-06	2.31E-03	8.73E-07	2.21E-08	2.36E-03	8.92E-07	2.26E-08	5.34E-06	2.82E-06
682	490286.72, 3860135.12	0.0353512	1.34E-05	5.25E-06	1.88E-02	7.09E-06	2.79E-06	2.41E-03	9.10E-07	2.30E-08	2.46E-03	9.31E-07	2.35E-08	5.25E-06	2.79E-06
683	490336.72, 3860135.12	0.0348	1.32E-05	5.17E-06	1.86E-02	7.02E-06	2.76E-06	2.51E-03	9.50E-07	2.40E-08	2.57E-03	9.71E-07	2.46E-08	5.17E-06	2.76E-06
684	490386.72, 3860135.12	0.0343157	1.30E-05	5.10E-06	1.84E-02	6.96E-06	2.73E-06	2.63E-03	9.93E-07	2.51E-08	2.69E-03	1.02E-06	2.57E-08	5.10E-06	2.73E-06
685	490436.72, 3860135.12	0.0339129	1.28E-05	5.04E-06	1.83E-02	6.91E-06	2.72E-06	2.75E-03	1.04E-06	2.63E-08	2.81E-03	1.06E-06	2.69E-08	5.04E-06	2.72E-06
686	490486.72, 3860135.12	0.0336152	1.27E-05	4.99E-06	1.82E-02	6.89E-06	2.71E-06	2.89E-03	1.09E-06	2.77E-08	2.96E-03	1.12E-06	2.83E-08	4.99E-06	2.71E-06
687	490536.72, 3860135.12	0.0334311	1.26E-05	4.97E-06	1.82E-02	6.90E-06	2.71E-06	3.06E-03	1.16E-06	2.92E-08	3.12E-03	1.18E-06	2.99E-08	4.97E-06	2.71E-06
688	490586.72, 3860135.12	0.0333534	1.26E-05	4.95E-06	1.83E-02	6.93E-06	2.72E-06	3.24E-03	1.22E-06	3.10E-08	3.31E-03	1.25E-06	3.17E-08	4.95E-06	2.72E-06
689	490636.72, 3860135.12	0.0333787	1.26E-05	4.96E-06	1.85E-02	6.98E-06	2.74E-06	3.45E-03	1.30E-06	3.30E-08	3.53E-03	1.33E-06	3.38E-08	4.96E-06	2.74E-06
690	490686.72, 3860135.12	0.0335419	1.27E-05	4.98E-06	1.87E-02	7.07E-06	2.78E-06	3.69E-03	1.40E-06	3.53E-08	3.78E-03	1.43E-06	3.62E-08	4.98E-06	2.78E-06
691	490736.72, 3860135.12	0.033889	1.28E-05	5.03E-06	1.91E-02	7.21E-06	2.83E-06	3.98E-03	1.51E-06	3.81E-08	4.09E-03	1.54E-06	3.91E-08	5.03E-06	2.83E-06
692	490786.72, 3860135.12	0.0344636	1.30E-05	5.12E-06	1.96E-02	7.40E-06	2.91E-06	4.34E-03	1.64E-06	4.15E-08	4.46E-03	1.69E-06	4.27E-08	5.12E-06	2.91E-06
693	490836.72, 3860135.12	0.0351884	1.33E-05	5.23E-06	2.02E-02	7.64E-06	3.00E-06	4.76E-03	1.80E-06	4.55E-08	4.91E-03	1.86E-06	4.69E-08	5.23E-06	3.00E-06
694	490086.72, 3860185.12	0.0372597	1.41E-05	5.53E-06	1.94E-02	7.32E-06	2.88E-06	1.89E-03	7.16E-07	1.81E-08	1.93E-03	7.29E-07	1.84E-08	5.53E-06	2.88E-06
695	490136.72, 3860185.12	0.0363448	1.37E-05	5.40E-06	1.90E-02	7.17E-06	2.82E-06	1.96E-03	7.42E-07	1.88E-08	2.00E-03	7.56E-07	1.91E-08	5.40E-06	2.82E-06
696	490186.72, 3860185.12	0.0355025	1.34E-05	5.27E-06	1.86E-02	7.03E-06	2.76E-06	2.03E-03	7.69E-07	1.95E-08	2.08E-03	7.85E-07	1.99E-08	5.27E-06	2.76E-06
697	490236.72, 3860185.12	0.0347329	1.31E-05	5.16E-06	1.83E-02	6.91E-06	2.71E-06	2.11E-03	7.98E-07	2.02E-08	2.15E-03	8.15E-07	2.06E-08	5.16E-06	2.71E-06
698	490286.72, 3860185.12	0.0340539	1.29E-05	5.06E-06	1.80E-02	6.80E-06	2.67E-06	2.19E-03	8.29E-07	2.10E-08	2.24E-03	8.47E-07	2.14E-08	5.06E-06	2.67E-06
699	490336.72, 3860185.12	0.0334498	1.26E-05	4.97E-06	1.78E-02	6.71E-06	2.64E-06	2.28E-03	8.61E-07	2.18E-08	2.33E-03	8.81E-07	2.23E-08	4.97E-06	2.64E-06
700	490386.72, 3860185.12	0.0329114	1.24E-05	4.89E-06	1.76E-02	6.64E-06	2.61E-06	2.37E-03	8.97E-07	2.27E-08	2.43E-03	9.18E-07	2.32E-08	4.89E-06	2.61E-06
701	490436.72, 3860185.12	0.0324677	1.23E-05	4.82E-06	1.74E-02	6.58E-06	2.58E-06	2.48E-03	9.36E-07	2.37E-08	2.53E-03	9.58E-07	2.42E-08	4.82E-06	2.59E-06
702	490486.72, 3860185.12	0.0320913	1.21E-05	4.77E-06	1.73E-02	6.54E-06	2.57E-06	2.59E-03	9.78E-07	2.48E-08	2.65E-03	1.00E-06	2.53E-08	4.77E-06	2.57E-06
703	490536.72, 3860185.12	0.0318045	1.20E-05	4.72E-06	1.72E-02	6.52E-06	2.56E-06	2.72E-03	1.03E-06	2.60E-08	2.78E-03	1.05E-06	2.66E-08	4.72E-06	2.56E-06
704	490586.72, 3860185.12	0.0316229	1.20E-05	4.70E-06	1.72E-02	6.52E-06	2.56E-06	2.86E-03	1.08E-06	2.74E-08	2.93E-03	1.11E-06	2.80E-08	4.70E-06	2.56E-06
705	490636.72, 3860185.12	0.0315019	1.19E-05	4.68E-06	1.73E-02	6.54E-06	2.57E-06	3.02E-03	1.14E-06	2.89E-08	3.09E-03	1.17E-06	2.96E-08	4.68E-06	2.57E-06
706	490686.72, 3860185.12	0.0315231	1.19E-05	4.68E-06	1.74E-02	6.58E-06	2.59E-06	3.21E-03	1.21E-06	3.07E-08	3.29E-03	1.24E-06	3.15E-08	4.68E-06	2.59E-06
707	490736.72, 3860185.12	0.0316149	1.20E-05	4.70E-06	1.76E-02	6.65E-06	2.61E-06	3.42E-03	1.29E-06	3.27E-08	3.51E-03	1.33E-06	3.36E-08	4.70E-06	2.61E-06
708	490786.72, 3860185.12	0.031877	1.21E-05	4.73E-06	1.79E-02	6.76E-06	2.66E-06	3.68E-03	1.39E-06	3.52E-08	3.78E-03	1.43E-06	3.62E-08	4.74E-06	2.66E-06
709	490836.72, 3860185.12	0.0322943	1.22E-05	4.80E-06	1.83E-02	6.91E-06	2.72E-06	3.98E-03	1.50E-06	3.81E-08	4.10E-03	1.55E-06	3.93E-08	4.80E-06	2.72E-06
710	490086.72, 3860235.12	0.0360739	1.36E-05	5.36E-06	1.87E-02	7.07E-06	2.78E-06	1.76E-03	6.66E-07	1.69E-08	1.79E-03	6.78E-07	1.72E-08	5.36E-06	2.78E-06
711	490136.72, 3860235.12	0.0351173	1.33E-05	5.22E-06	1.83E-02	6.91E-06	2.71E-06	1.82E-03	6.88E-07	1.74E-08	1.85E-03	7.01E-07	1.77E-08	5.22E-06	2.71E-06
712	490186.72, 3860235.12	0.0342608	1.30E-05	5.09E-06	1.79E-02	6.76E-06	2.66E-06	1.88E-03	7.11E-07	1.80E-08	1.92E-03	7.26E-07	1.84E-08	5.09E-06	2.66E-06
713	490236.72, 3860235.12	0.0334652	1.27E-05	4.97E-06	1.75E-02	6.63E-06	2.61E-06	1.95E-03	7.36E-07	1.86E-08	1.99E-03	7.52E-07	1.90E-08	4.97E-06	2.61E-06
714	490286.72, 3860235.12	0.0327557	1.24E-05	4.87E-06	1.72E-02	6.52E-06	2.56E-06	2.02E-03	7.62E-07	1.93E-08	2.06E-03	7.79E-07	1.97E-08	4.87E-06	2.56E-06
715	490336.72, 3860235.12	0.0321213	1.21E-05	4.77E-06	1.70E-02	6.42E-06	2.52E-06	2.09E-03	7.90E-07	2.00E-08	2.14E-03	8.08E-07	2.05E-08	4.77E-06	2.52E-06
716	490386.72, 3860235.12	0.0315639	1.19E-05	4.69E-06	1.68E-02	6.34E-06	2.49E-06	2.17E-03	8.20E-07	2.08E-08	2.22E-03	8.40E-07	2.13E-08	4.69E-06	2.49E-06
717	490436.72, 3860235.12	0.0310719	1.17E-05	4.62E-06	1.66E-02	6.27E-06	2.46E-06	2.26E-03	8.53E-07	2.16E-08	2.31E-03	8.74E-07	2.21E-08	4.62E-06	2.46E-06
718	490486.72, 3860235.12	0.0306546	1.16E-05	4.55E-06	1.64E-02	6.21E-06	2.44E-06	2.35E-03	8.88E-07	2.25E-08	2.41E-03	9.10E-07	2.30E-08	4.55E-06	2.44E-06
719	490536.72, 3860235.12	0.0303109	1.15E-05	4.50E-06	1.63E-02	6.18E-06	2.43E-06	2.46E-03	9.29E-07	2.35E-08	2.52E-03	9.51E-07	2.41E-08	4.50E-06	2.43E-06
720	490586.72, 3860235.12	0.0300503	1.14E-05	4.46E-06	1.63E-02	6.16E-06	2.42E-06	2.57E-03	9.73E-07	2.46E-08	2.64E-03	9.97E-07	2.52E-08	4.46E-06	2.42E-06
721	490636.72, 3860235.12	0.0298628	1.13E-05	4.44E-06	1.63E-02	6.16E-06	2.42E-06	2.71E-03	1.02E-06	2.59E-08	2.77E-03	1.05E-06	2.65E-08	4.44E-06	2.42E-06
722	490686.72, 3860235.12	0.0297524	1.12E-05	4.42E-06	1.63E-02	6.17E-06	2.42E-06	2.85E-03	1.08E-06	2.73E-08	2.93E-03	1.11E-06	2.80E-08	4.42E-06	2.43E-06
723	490736.72, 3860235.12	0.0297481	1.12E-05	4.42E-06	1.64E-02	6.21E-06	2.44E-06	3.02E-03	1.14E-06	2.89E-08	3.10E-03	1.17E-06	2.97E-08	4.42E-06	2.44E-06
724	490786.72, 3860235.12	0.0298208	1.13E-05	4.43E-06	1.66E-02	6.27E-06	2.46E-06	3.22E-03	1.22E-06	3.08E-08	3.31E-03	1.25E-06	3.16E-08	4.43E-06	2.47E-06
725	490086.72, 3860285.12	0.0347781	1.31E-05	5.17E-06	1.80E-02	6.80E-06	2.67E-06	1.65E-03	6.24E-07	1.58E-08	1.68E-03	6.35E-07	1.61E-08	5.17E-06	2.67E-06
726	490136.72, 3860285.12	0.0338251	1.28E-05	5.02E-06	1.76E-02	6.64E-06	2.61E-06	1.70E-03	6.43E-07	1.63E-08	1.73E-03	6.55E-07	1.66E-08	5.02E-06	2.61E-06
727	490186.72, 3860285.12	0.0329424	1.25E-05	4.89E-06	1.72E-02	6.49E-06	2.55E-06	1.75E-03	6.63E-07	1.68E-08	1.79E-03	6.76E-07	1.71E-08	4.89E-06	2.55E-06
728	490236.72, 3860285.12	0.032164	1.22E-05	4.78E-06	1.68E-02	6.36E-06	2.50E-06	1.81E-03	6.85E-07	1.73E-08	1.85E-03	6.99E-07	1.77E-08	4.78E-06	2.50E-06
729	490286.72, 3860285.12	0.0314264	1.19E-05	4.67E-06	1.65E-02	6.24E-06	2.45E-06	1.87E-03	7.07E-07	1.79E-08	1.91E-03	7.22E-07	1.83E-08	4.67E-06	2.45E-06
730	490336.72, 3860285.12	0.0307793	1.16E-05	4.57E-06	1.62E-02	6.14E-06	2.41E-06	1.93E-03	7.31E-07	1.85E-08	1.98E-03	7.48E-07	1.89E-08	4.57E-06	2.41E-06
731	490386.72, 3860285.12	0.030223	1.14E-05	4.49E-06	1.60E-02	6.05E-06	2.38E-06	2.00E-03	7.58E-07	1.92E-08	2.05E-03	7.76E-07	1.96E-08	4.49E-06	2.38E-06
732	490436.72, 3860285.12	0.0297118	1.12E-05	4.41E-06	1.58E-02	5.97E-06	2.35E-06	2.08E-03	7.85E-07	1.99E-08	2.13E-03	8.05E-07	2.04E-08	4.41E-06	2.35E-06
733	490486.72, 3860285.12	0.0292661	1.11E-05	4.35E-06	1.56E-02	5.91E-06	2.32E-06	2.16E-03	8.16E-07	2.06E-08	2.21E-03	8.37E-07	2.12E-08	4.35E-06	2.32E-06
734	490536.72, 3860285.12	0.0288834	1.09E-05	4.29E-06	1.55E-02	5.86E-06	2.30E-06	2.25E-03	8.49E-07	2.15E-08	2.30E-03	8.71E-07	2.20E-08	4.29E-06	2.30E-06
735	490586.72, 3860285.12	0.0285682	1.08E-05	4.24E-06	1.54E-02	5.83E-06	2.29E-06	2.34E-03	8.86E-07	2.24E-08	2.40E-03	9.09E-07	2.30E-08	4.24E-06	2.29E-06
736	490636.72, 3860285.12	0.0283241	1.07E-05	4.21E-06	1.54E-02	5.81E-06	2.28E-06	2.45E-03	9.27E-07	2.35E-08	2.52E-03	9.52E-07	2.41E-08	4.21E-06	2.28E-06
737	490686.72, 3860285.12	0.0281689	1.07E-05	4.18E-06	1.54E-02	5.81E-06	2.28E-06	2.58E-03	9.75E-07	2.47E-08	2.65E-03	1.00E-06	2.53E-08	4.18E-06	2.28E-06
738	490736.72, 3860285.12	0.0280709	1.06E-05	4.17E-06	1.54E-02	5.83E-06	2.29E-06	2.72E-03	1.03E-06	2.60E-08	2.79E-03	1.05E-06	2.67E-08	4.17E-06	2.29E-06
739	490786.72, 3860285.12	0.0280559	1.06E-05	4.17E-06	1.55E-02	5.87E-06	2.30E-06	2.88E-03	1.09E-06	2.75E-08	2.96E-03	1.12E-06	2.83E-08	4.17E-06	2.30E-06
740	490086.72, 3860335.12	0.0333543	1.26E-05	4.95E-06	1.72E-02	6.52E-06	2.56E-06	1.56E-03	5.89E-07	1.49E-08	1.58E-03	5.99E-07	1.52E-08	4.95E-06	2.56E-06
741	490136.72, 3860335.12	0.0324205	1.23E-05	4.82E-06	1.68E-02	6.36E-06	2.50E-06	1.60E-03	6.05E-07	1.53E-08	1.63E-03	6.17E-07	1.56E-08	4.82E-06	2.50E-06
742	490186.72, 3860335.12	0.0315572	1.19E-05	4.69E-06	1.64E-02	6.21E-06	2.44E-06	1.65E-03	6.22E-07	1.57E-08	1.68E-03	6.34E-07	1.60E-08	4.69E-06	2.44E-06
743	490236.72, 3860335.12	0.0307938	1.16E-05	4.57E-06	1.61E-02	6.08E-06	2.39E-06	1.69E-03	6.41E-07	1.62E-08	1.73E-03	6.54E-07	1.66E-08	4.57E-06	2.39E-06
744	490286.72, 3860335.12	0.0300754	1.14E-05	4.47E-06	1.58E-02	5.96E-06	2.34E-06	1.75E-03	6.60E-07	1.67E-08	1.78E-03	6.75E-07	1.71E-08	4.47E-06	2.34E-06
745	490336.72, 3860335.12	0.0294315	1.11E-05	4.37E-06	1.55E-02	5.86E-06	2.30E-06	1.80E-03	6.82E-07	1.72E-08	1.84E-03	6.97E-07	1.76E-08	4.37E-06	2.30E-06
746	490386.72, 3860335.12	0.0288605	1.09E-05	4.29E-06	1.53E-02	5.77E-06	2.27E-06	1.86E-03	7.04E-07	1.78E-08	1.91E-03	7.21E-07	1.82E-08	4.29E-06	2.27E-06
747	490436.72, 3860335.12	0.0283505	1.07E-05	4.21E-06	1.50E-02	5.69E-06	2.23E-06	1.93E-03	7.28E-07	1.84E-08	1.98E-03	7.47E-07	1.89E-08	4.21E-06	2.23E-06
748	490486.72, 3860335.12	0.02789	1.05E-05	4.14E-06	1.49E-02	5.62E-06	2.21E-06	2.00E-03	7.55E-07	1.91E-08	2.05E-03	7.75E-07	1.96E-08	4.14E-06	2.21E-06

749	490536.72, 3860335.12	0.0275063	1.04E-05	4.09E-06	1.47E-02	5.57E-06	2.19E-06	2.07E-03	7.84E-07	1.98E-08	2.13E-03	8.05E-07	2.04E-08	4.09E-06	2.19E-06
750	490586.72, 3860335.12	0.0271602	1.03E-05	4.03E-06	1.46E-02	5.53E-06	2.17E-06	2.16E-03	8.16E-07	2.06E-08	2.22E-03	8.38E-07	2.12E-08	4.03E-06	2.17E-06
751	490636.72, 3860335.12	0.0268933	1.02E-05	3.99E-06	1.45E-02	5.50E-06	2.16E-06	2.25E-03	8.51E-07	2.15E-08	2.31E-03	8.74E-07	2.21E-08	4.00E-06	2.16E-06
752	490686.72, 3860335.12	0.0266837	1.01E-05	3.96E-06	1.45E-02	5.49E-06	2.16E-06	2.36E-03	8.91E-07	2.25E-08	2.42E-03	9.15E-07	2.32E-08	3.96E-06	2.16E-06
753	490736.72, 3860335.12	0.0265314	1.00E-05	3.94E-06	1.45E-02	5.49E-06	2.16E-06	2.47E-03	9.35E-07	2.37E-08	2.54E-03	9.61E-07	2.43E-08	3.94E-06	2.16E-06
754	490786.72, 3860335.12	0.0264702	1.00E-05	3.93E-06	1.46E-02	5.51E-06	2.16E-06	2.61E-03	9.86E-07	2.49E-08	2.68E-03	1.01E-06	2.57E-08	3.93E-06	2.16E-06
755	490086.72, 3860385.12	0.0318146	1.20E-05	4.73E-06	1.64E-02	6.22E-06	2.44E-06	1.48E-03	5.59E-07	1.41E-08	1.50E-03	5.69E-07	1.44E-08	4.73E-06	2.44E-06
756	490136.72, 3860385.12	0.0309139	1.17E-05	4.59E-06	1.60E-02	6.06E-06	2.38E-06	1.52E-03	5.73E-07	1.45E-08	1.54E-03	5.84E-07	1.48E-08	4.59E-06	2.38E-06
757	490186.72, 3860385.12	0.0300832	1.14E-05	4.47E-06	1.56E-02	5.92E-06	2.32E-06	1.56E-03	5.88E-07	1.49E-08	1.58E-03	5.99E-07	1.52E-08	4.47E-06	2.32E-06
758	490236.72, 3860385.12	0.0293389	1.11E-05	4.36E-06	1.53E-02	5.79E-06	2.27E-06	1.60E-03	6.04E-07	1.53E-08	1.63E-03	6.16E-07	1.56E-08	4.36E-06	2.27E-06
759	490286.72, 3860385.12	0.0286534	1.08E-05	4.26E-06	1.50E-02	5.67E-06	2.23E-06	1.64E-03	6.21E-07	1.57E-08	1.68E-03	6.34E-07	1.61E-08	4.26E-06	2.23E-06
760	490336.72, 3860385.12	0.0280269	1.06E-05	4.16E-06	1.47E-02	5.57E-06	2.19E-06	1.69E-03	6.40E-07	1.62E-08	1.73E-03	6.54E-07	1.65E-08	4.16E-06	2.19E-06
761	490386.72, 3860385.12	0.0274725	1.04E-05	4.08E-06	1.45E-02	5.48E-06	2.15E-06	1.74E-03	6.59E-07	1.67E-08	1.79E-03	6.75E-07	1.71E-08	4.08E-06	2.15E-06
762	490436.72, 3860385.12	0.0269678	1.02E-05	4.01E-06	1.43E-02	5.40E-06	2.12E-06	1.80E-03	6.81E-07	1.72E-08	1.85E-03	6.98E-07	1.77E-08	4.01E-06	2.12E-06
763	490486.72, 3860385.12	0.0265359	1.00E-05	3.94E-06	1.41E-02	5.34E-06	2.10E-06	1.86E-03	7.04E-07	1.78E-08	1.91E-03	7.23E-07	1.83E-08	3.94E-06	2.10E-06
764	490536.72, 3860385.12	0.0261394	9.88E-06	3.88E-06	1.40E-02	5.28E-06	2.07E-06	1.93E-03	7.30E-07	1.85E-08	1.98E-03	7.49E-07	1.90E-08	3.88E-06	2.08E-06
765	490586.72, 3860385.12	0.0257926	9.75E-06	3.83E-06	1.38E-02	5.24E-06	2.06E-06	2.00E-03	7.58E-07	1.92E-08	2.06E-03	7.78E-07	1.97E-08	3.83E-06	2.06E-06
766	490636.72, 3860385.12	0.0255085	9.64E-06	3.79E-06	1.38E-02	5.20E-06	2.04E-06	2.08E-03	7.88E-07	1.99E-08	2.14E-03	8.10E-07	2.05E-08	3.79E-06	2.04E-06
767	490686.72, 3860385.12	0.0252803	9.56E-06	3.75E-06	1.37E-02	5.18E-06	2.04E-06	2.17E-03	8.22E-07	2.08E-08	2.23E-03	8.45E-07	2.14E-08	3.76E-06	2.04E-06
768	490736.72, 3860385.12	0.0250896	9.49E-06	3.73E-06	1.37E-02	5.17E-06	2.03E-06	2.27E-03	8.59E-07	2.17E-08	2.34E-03	8.84E-07	2.24E-08	3.73E-06	2.03E-06
769	490786.72, 3860385.12	0.0249582	9.44E-06	3.71E-06	1.37E-02	5.18E-06	2.03E-06	2.39E-03	9.02E-07	2.28E-08	2.45E-03	9.28E-07	2.35E-08	3.71E-06	2.03E-06
770	490136.72, 3860435.12	0.0293002	1.11E-05	4.35E-06	1.52E-02	5.74E-06	2.26E-06	1.44E-03	5.46E-07	1.38E-08	1.47E-03	5.57E-07	1.41E-08	4.35E-06	2.26E-06
771	490186.72, 3860435.12	0.0285341	1.08E-05	4.24E-06	1.48E-02	5.61E-06	2.20E-06	1.48E-03	5.60E-07	1.42E-08	1.51E-03	5.70E-07	1.44E-08	4.24E-06	2.21E-06
772	490236.72, 3860435.12	0.0278226	1.05E-05	4.13E-06	1.45E-02	5.49E-06	2.16E-06	1.52E-03	5.73E-07	1.45E-08	1.55E-03	5.85E-07	1.48E-08	4.13E-06	2.16E-06
773	490286.72, 3860435.12	0.0271837	1.03E-05	4.04E-06	1.42E-02	5.38E-06	2.11E-06	1.56E-03	5.88E-07	1.49E-08	1.59E-03	6.00E-07	1.52E-08	4.04E-06	2.11E-06
774	490336.72, 3860435.12	0.0265897	1.01E-05	3.95E-06	1.40E-02	5.28E-06	2.08E-06	1.60E-03	6.04E-07	1.53E-08	1.63E-03	6.17E-07	1.56E-08	3.95E-06	2.08E-06
775	490386.72, 3860435.12	0.0260706	9.86E-06	3.87E-06	1.38E-02	5.20E-06	2.04E-06	1.64E-03	6.22E-07	1.57E-08	1.68E-03	6.36E-07	1.61E-08	3.87E-06	2.04E-06
776	490436.72, 3860435.12	0.0255808	9.67E-06	3.80E-06	1.35E-02	5.12E-06	2.01E-06	1.69E-03	6.40E-07	1.62E-08	1.74E-03	6.56E-07	1.66E-08	3.80E-06	2.01E-06
777	490486.72, 3860435.12	0.0251676	9.52E-06	3.74E-06	1.34E-02	5.06E-06	1.99E-06	1.75E-03	6.61E-07	1.67E-08	1.79E-03	6.78E-07	1.71E-08	3.74E-06	1.99E-06
778	490536.72, 3860435.12	0.0247863	9.37E-06	3.68E-06	1.32E-02	5.00E-06	1.97E-06	1.81E-03	6.83E-07	1.73E-08	1.86E-03	7.02E-07	1.78E-08	3.68E-06	1.97E-06
779	490586.72, 3860435.12	0.0244542	9.25E-06	3.63E-06	1.31E-02	4.96E-06	1.95E-06	1.87E-03	7.07E-07	1.79E-08	1.92E-03	7.27E-07	1.84E-08	3.63E-06	1.95E-06
780	490636.72, 3860435.12	0.0241576	9.13E-06	3.59E-06	1.30E-02	4.92E-06	1.93E-06	1.94E-03	7.34E-07	1.86E-08	2.00E-03	7.55E-07	1.91E-08	3.59E-06	1.93E-06
781	490686.72, 3860435.12	0.0239128	9.04E-06	3.55E-06	1.29E-02	4.89E-06	1.92E-06	2.02E-03	7.63E-07	1.93E-08	2.08E-03	7.85E-07	1.99E-08	3.55E-06	1.92E-06
782	490736.72, 3860435.12	0.0237194	8.97E-06	3.52E-06	1.29E-02	4.88E-06	1.92E-06	2.11E-03	7.96E-07	2.01E-08	2.17E-03	8.20E-07	2.07E-08	3.52E-06	1.92E-06
783	490786.72, 3860435.12	0.0235539	8.91E-06	3.50E-06	1.29E-02	4.87E-06	1.91E-06	2.20E-03	8.33E-07	2.11E-08	2.27E-03	8.57E-07	2.17E-08	3.50E-06	1.91E-06
784	490136.72, 3860485.12	0.0276372	1.04E-05	4.11E-06	1.43E-02	5.42E-06	2.13E-06	1.39E-03	5.24E-07	1.33E-08	1.41E-03	5.34E-07	1.35E-08	4.11E-06	2.13E-06
785	490186.72, 3860485.12	0.0269175	1.02E-05	4.00E-06	1.40E-02	5.30E-06	2.08E-06	1.42E-03	5.35E-07	1.35E-08	1.44E-03	5.46E-07	1.38E-08	4.00E-06	2.08E-06
786	490236.72, 3860485.12	0.0262702	9.93E-06	3.90E-06	1.37E-02	5.19E-06	2.04E-06	1.45E-03	5.48E-07	1.39E-08	1.48E-03	5.59E-07	1.41E-08	3.90E-06	2.04E-06
787	490286.72, 3860485.12	0.0256799	9.71E-06	3.81E-06	1.35E-02	5.09E-06	2.00E-06	1.48E-03	5.61E-07	1.42E-08	1.51E-03	5.73E-07	1.45E-08	3.81E-06	2.00E-06
788	490336.72, 3860485.12	0.0251346	9.50E-06	3.73E-06	1.32E-02	5.00E-06	1.96E-06	1.52E-03	5.75E-07	1.45E-08	1.55E-03	5.87E-07	1.48E-08	3.73E-06	1.96E-06
789	490386.72, 3860485.12	0.0246483	9.32E-06	3.66E-06	1.30E-02	4.92E-06	1.93E-06	1.56E-03	5.90E-07	1.49E-08	1.60E-03	6.04E-07	1.53E-08	3.66E-06	1.93E-06
790	490436.72, 3860485.12	0.0242211	9.16E-06	3.60E-06	1.28E-02	4.85E-06	1.91E-06	1.61E-03	6.07E-07	1.54E-08	1.64E-03	6.21E-07	1.57E-08	3.60E-06	1.91E-06
791	490486.72, 3860485.12	0.0238112	9.00E-06	3.54E-06	1.27E-02	4.79E-06	1.88E-06	1.65E-03	6.25E-07	1.58E-08	1.69E-03	6.41E-07	1.62E-08	3.54E-06	1.88E-06
792	490536.72, 3860485.12	0.0234466	8.86E-06	3.48E-06	1.25E-02	4.73E-06	1.86E-06	1.70E-03	6.44E-07	1.63E-08	1.75E-03	6.61E-07	1.67E-08	3.48E-06	1.86E-06
793	490586.72, 3860485.12	0.0231294	8.74E-06	3.44E-06	1.24E-02	4.69E-06	1.84E-06	1.76E-03	6.65E-07	1.68E-08	1.81E-03	6.83E-07	1.73E-08	3.44E-06	1.84E-06
794	490636.72, 3860485.12	0.02285	8.64E-06	3.39E-06	1.23E-02	4.65E-06	1.83E-06	1.82E-03	6.88E-07	1.74E-08	1.87E-03	7.08E-07	1.79E-08	3.39E-06	1.83E-06
795	490686.72, 3860485.12	0.0226021	8.55E-06	3.36E-06	1.22E-02	4.62E-06	1.81E-06	1.89E-03	7.13E-07	1.80E-08	1.94E-03	7.34E-07	1.86E-08	3.36E-06	1.82E-06
796	490736.72, 3860485.12	0.0223962	8.47E-06	3.33E-06	1.22E-02	4.60E-06	1.81E-06	1.96E-03	7.42E-07	1.88E-08	2.02E-03	7.64E-07	1.93E-08	3.33E-06	1.81E-06
797	490786.72, 3860485.12	0.0222259	8.40E-06	3.30E-06	1.21E-02	4.59E-06	1.80E-06	2.05E-03	7.74E-07	1.96E-08	2.11E-03	7.97E-07	2.02E-08	3.30E-06	1.80E-06
798	490136.72, 3860535.12	0.025914	9.80E-06	3.85E-06	1.35E-02	5.09E-06	2.00E-06	1.33E-03	5.05E-07	1.28E-08	1.36E-03	5.15E-07	1.30E-08	3.85E-06	2.00E-06
799	490186.72, 3860535.12	0.0253021	9.57E-06	3.76E-06	1.32E-02	4.99E-06	1.96E-06	1.36E-03	5.15E-07	1.30E-08	1.39E-03	5.26E-07	1.33E-08	3.76E-06	1.96E-06
800	490236.72, 3860535.12	0.024705	9.34E-06	3.67E-06	1.29E-02	4.89E-06	1.92E-06	1.39E-03	5.27E-07	1.33E-08	1.42E-03	5.37E-07	1.36E-08	3.67E-06	1.92E-06
801	490286.72, 3860535.12	0.0241634	9.14E-06	3.59E-06	1.27E-02	4.79E-06	1.88E-06	1.42E-03	5.38E-07	1.36E-08	1.45E-03	5.49E-07	1.39E-08	3.59E-06	1.88E-06
802	490336.72, 3860535.12	0.0236824	8.95E-06	3.52E-06	1.25E-02	4.71E-06	1.85E-06	1.46E-03	5.51E-07	1.39E-08	1.49E-03	5.62E-07	1.42E-08	3.52E-06	1.85E-06
803	490386.72, 3860535.12	0.0232586	8.79E-06	3.45E-06	1.23E-02	4.64E-06	1.82E-06	1.49E-03	5.64E-07	1.43E-08	1.52E-03	5.76E-07	1.46E-08	3.45E-06	1.82E-06
804	490436.72, 3860535.12	0.0228642	8.64E-06	3.40E-06	1.21E-02	4.58E-06	1.80E-06	1.53E-03	5.79E-07	1.46E-08	1.57E-03	5.92E-07	1.50E-08	3.40E-06	1.80E-06
805	490486.72, 3860535.12	0.022503	8.51E-06	3.34E-06	1.20E-02	4.53E-06	1.78E-06	1.57E-03	5.95E-07	1.50E-08	1.61E-03	6.09E-07	1.54E-08	3.34E-06	1.78E-06
806	490536.72, 3860535.12	0.0222014	8.39E-06	3.30E-06	1.19E-02	4.48E-06	1.76E-06	1.62E-03	6.12E-07	1.55E-08	1.66E-03	6.28E-07	1.59E-08	3.30E-06	1.76E-06
807	490586.72, 3860535.12	0.0218593	8.26E-06	3.25E-06	1.17E-02	4.43E-06	1.74E-06	1.67E-03	6.30E-07	1.59E-08	1.71E-03	6.47E-07	1.64E-08	3.25E-06	1.74E-06
808	490636.72, 3860535.12	0.0215947	8.16E-06	3.21E-06	1.16E-02	4.39E-06	1.73E-06	1.72E-03	6.50E-07	1.64E-08	1.77E-03	6.68E-07	1.69E-08	3.21E-06	1.73E-06
809	490686.72, 3860535.12	0.0213639	8.08E-06	3.17E-06	1.15E-02	4.37E-06	1.71E-06	1.78E-03	6.72E-07	1.70E-08	1.83E-03	6.91E-07	1.75E-08	3.17E-06	1.72E-06
810	490736.72, 3860535.12	0.0211414	7.99E-06	3.14E-06	1.15E-02	4.34E-06	1.70E-06	1.84E-03	6.96E-07	1.76E-08	1.90E-03	7.16E-07	1.81E-08	3.14E-06	1.71E-06
811	490786.72, 3860535.12	0.0209725	7.93E-06	3.12E-06	1.14E-02	4.33E-06	1.70E-06	1.91E-03	7.24E-07	1.83E-08	1.97E-03	7.46E-07	1.89E-08	3.12E-06	1.70E-06
812	490136.72, 3860585.12	0.0242113	9.15E-06	3.60E-06	1.26E-02	4.77E-06	1.87E-06	1.29E-03	4.87E-07	1.23E-08	1.31E-03	4.97E-07	1.26E-08	3.60E-06	1.87E-06
813	490186.72, 3860585.12	0.0236056	8.92E-06	3.51E-06	1.23E-02	4.66E-06	1.83E-06	1.31E-03	4.96E-07	1.25E-08	1.34E-03	5.06E-07	1.28E-08	3.51E-06	1.83E-06
814	490236.72, 3860585.12	0.0231167	8.74E-06	3.43E-06	1.21E-02	4.58E-06	1.80E-06	1.34E-03	5.06E-07	1.28E-08	1.37E-03	5.17E-07	1.31E-08	3.43E-06	1.80E-06
815	490286.72, 3860585.12	0.0226709	8.57E-06	3.37E-06	1.19E-02	4.51E-06	1.77E-06	1.37E-03	5.18E-07	1.31E-08	1.40E-03	5.28E-07	1.34E-08	3.37E-06	1.77E-06
816	490336.72, 3860585.12	0.0222542	8.41E-06	3.31E-06	1.17E-02	4.44E-06	1.74E-06	1.40E-03	5.29E-07	1.34E-08	1.43E-03	5.41E-07	1.37E-08	3.31E-06	1.74E-06
817	490386.72, 3860585.12	0.0218651	8.27E-06	3.25E-06	1.16E-02	4.37E-06	1.72E-06	1.43E-03	5.41E-07	1.37E-08	1.46E-03	5.53E-07	1.40E-08	3.25E-06	1.72E-06
818	490436.72, 3860585.12	0.0215512	8.15E-06	3.20E-06	1.14E-02	4.32E-06	1.70E-06	1.47E-03	5.55E-07	1.40E-08	1.50E-03	5.68E-07	1.44E-08	3.20E-06	1.70E-06
819	490486.72, 3860585.12	0.021253	8.04E-06	3.16E-06	1.13E-02	4.28E-06	1.68E-06	1.51E-03	5.69E-07	1.44E-08	1.54E-03	5.83E-07	1.47E-08	3.16E-06	1.68E-06
820	490536.72, 3860585.12	0.0209443	7.92E-06	3.11E-06	1.12E-02	4.23E-06	1.66E-06	1.55E-03	5.85E-07	1.48E-08	1.58E-03	5.99E-07	1.52E-08	3.11E-06	1.66E-06
821	490586.72, 3860585.12	0.020621	7.80E-06	3.06E-06	1.11E-02	4.18E-06	1.64E-06	1.59E-03	6.00E-07	1.52E-08	1.63E-03	6.15E-07	1.56E-08	3.06E-06	1.64E-06
822	490636.72, 3860585.12	0.0203894	7.71E-06	3.03E-06	1.10E-02	4.15E-06	1.63E-06	1.63E-03	6.18E-07	1.56E-08	1.68E-03	6.34E-07	1.61E-08	3.03E-06	1.63E-06
823	490686.72, 3860585.12	0.0201619	7.62E-06	2.99E-06	1.09E-02	4.12E-06	1.62E-06	1.68E-03	6.37E-07	1.61E-08	1.73E-03	6.55E-07	1.66E-08	3.00E-06	1.62E-06
824	490736.72, 3860585.12	0.0199702	7.55E-06	2.97E-06	1.08E-02	4.10E-06	1.61E-06	1.74E-03	6.58E-07	1.66E-08	1.79E-03	6.78E-07	1.71E-08	2.97E-06	1.61E-06
825	490786.72, 3860585.12	0.0197867	7.48E-06	2.94E-06	1.08E-02	4.08E-06	1.60E-06	1.80E-03	6.82E-07	1.72E-08	1.86E-03	7.02E-07	1.78E-08	2.94E-06	1.60E-06
826	490136.72, 3860635.12	0.0225618	8.53E-06	3.35E-06	1.18E-02	4.45E-06	1.75E-06	1.24E-03	4.68E-07	1.19E-08	1.27E-03	4.79E-07	1.21E-08	3.35E-06	1.75E-06
827	490186.72, 3860635.12	0.0220562	8.34E-06	3.28E-06	1.16E-02	4.37E-06	1.72E-06	1.27E-03	4.79E-07	1.21E-08	1.29E-03	4.89E-07	1.24E-08	3.28E-06	1.72E-06
828	490236.72, 3860635.12	0.0215917	8.16E-06	3.21E-06	1.13E-02	4.29E-06	1.68E-06	1.29E-03	4.89E-07	1.24E-08	1.32E-03	4.99E-07	1.26E-08	3.21E-06	1.69E-06
829	490286.72, 3860635.12	0.0211962	8.01E-06	3.15E-06	1.12E-02	4.22E-06	1.66E-06	1.32E-03	4.99E-07	1.26E-08	1.35E-03	5.09E-07	1.29E-08	3.15E-06	1.66E-06
830	490336.72, 3860635.12	0.0208459	7.88E-06	3.10E-06	1.10E-02	4.17E-06	1.64E-06	1.35E-03	5.10E-07	1.29E-08	1.38E-03	5.20E-07	1.32E-08	3.10E-06	1.64E-06
831	490386.72, 3860635.12	0.0205233	7.76E-06	3.05E-06	1.09E-02	4.11E-06	1.62E-06	1.38E-03	5.21E-07	1.32E-08	1.41E-03	5.33E-07	1.35E-08	3.05E-06	1.62E-06
832	490436.72, 3860635.12	0.0202182	7.64E-06	3.00E-06	1.08E-02	4.07E-06	1.60E-06	1.41E-03	5.34E-07	1.35E-08	1.44E-03	5.45E-07	1.38E-08	3.00E-06	1.60E-06
833	490486.72, 3860635.12	0.0199428	7.54E-06	2.96E-06	1.06E-02	4.02E-06	1.58E-06	1.45E-03	5.47E-07	1.38E-08	1.48E-03	5.59E-07	1.41E-08	2.96E-06	1.58E-06
834	490536.72, 3860635.12	0.019699	7.45E-06	2.93E-06	1.05E-02	3.99E-06	1.57E-06	1.48E-03	5.61E-07	1.42E-08	1.52E-03	5.74E-07	1.45E-08	2.93E-06	1.57E-06
835	490586.72, 3860635.12	0.0194544	7.36E-06	2.89E-06	1.05E-02	3.95E-06	1.55E-06	1.52E-03	5.75E-07	1.45E-08	1.56E-03	5.89E-07	1.49E-08	2.89E-06	1.55E-06
836	490636.72, 3860635.12	0.0192282	7.27E-06	2.86E-06	1.04E-02	3.92E-06	1.54E-06	1.56E-03	5.90E-07	1.49E-08	1.60E-03	6.07E-07	1.53E-08	2.86E-06	1.54E-06
837	490686.72, 3860635.12	0.0190355	7.20E-06	2.83E-06	1.03E-02	3.90E-06	1.53E-06	1.61E-03	6.08E-07	1.54E-08	1.65E-03	6.25E-07	1.58E-08	2.83E-06	1.53E-06
838	490736.72, 3860635.12	0.018847	7.13E-06	2.80E-06	1.02E-02	3.87E-06	1.52E-06	1.66E-03	6.26E-07	1.58E-08	1.70E-03	6.44E-07	1.63E-08	2.80E-06	1.52E-06
839	490786.72, 3860635.12	0.0186807	7.06E-06	2.77E-06	1.02E-02	3.86E-06	1.51E-06	1.71E-03	6.47E-07	1.64E-08	1.76E-03	6.66E-07	1.68E-08	2.78E-06	1.52E-06
840	490136.72, 3860685.12	0.020902	7.90E-06	3.10E-06	1.09E-02	4.14E-06	1.63E-06	1.19E-03	4.51E-07	1.14E-08	1.22E-03	4.61E-07	1.17E-08	3.10E-06	1.63E-06
841	490186.72, 3860685.12	0.0205712	7.78E-06	3.06E-06	1.08E-02	4.08E-06	1.60E-06	1.22E-03	4.60E-07	1.16E-08	1.24E-03	4.70E-07	1.19E-08	3.06E-06	1.60E-06
842	490236.72, 3860685.12	0.0201613	7.62E-06	2.99E-06	1.06E-02	4.01E-06	1.58E-06	1.24E-03	4.70E-07	1.19E-08	1.27E-03	4.80E-07	1.21E-08	2.99E-06	1.58E-06

843	490286.72, 3860685.12	0.0197764	7.48E-06	2.94E-06	1.04E-02	3.95E-06	1.55E-06	1.27E-03	4.80E-07	1.21E-08	1.30E-03	4.90E-07	1.24E-08	2.94E-06	1.55E-06
844	490336.72, 3860685.12	0.0194928	7.37E-06	2.90E-06	1.03E-02	3.90E-06	1.53E-06	1.30E-03	4.90E-07	1.24E-08	1.33E-03	5.01E-07	1.27E-08	2.90E-06	1.53E-06
845	490386.72, 3860685.12	0.0192247	7.27E-06	2.86E-06	1.02E-02	3.86E-06	1.52E-06	1.33E-03	5.02E-07	1.27E-08	1.35E-03	5.12E-07	1.30E-08	2.86E-06	1.52E-06
846	490436.72, 3860685.12	0.0189565	7.17E-06	2.82E-06	1.01E-02	3.82E-06	1.50E-06	1.36E-03	5.13E-07	1.30E-08	1.39E-03	5.24E-07	1.33E-08	2.82E-06	1.50E-06
847	490486.72, 3860685.12	0.0187196	7.08E-06	2.78E-06	1.00E-02	3.78E-06	1.49E-06	1.39E-03	5.25E-07	1.33E-08	1.42E-03	5.37E-07	1.36E-08	2.78E-06	1.49E-06
848	490536.72, 3860685.12	0.0184988	6.99E-06	2.75E-06	9.92E-03	3.75E-06	1.47E-06	1.42E-03	5.38E-07	1.36E-08	1.46E-03	5.50E-07	1.39E-08	2.75E-06	1.47E-06
849	490586.72, 3860685.12	0.0183074	6.92E-06	2.72E-06	9.85E-03	3.73E-06	1.46E-06	1.46E-03	5.52E-07	1.40E-08	1.50E-03	5.65E-07	1.43E-08	2.72E-06	1.46E-06
850	490636.72, 3860685.12	0.0181203	6.85E-06	2.69E-06	9.79E-03	3.70E-06	1.45E-06	1.50E-03	5.67E-07	1.43E-08	1.54E-03	5.81E-07	1.47E-08	2.69E-06	1.45E-06
851	490686.72, 3860685.12	0.0179648	6.79E-06	2.67E-06	9.74E-03	3.68E-06	1.45E-06	1.54E-03	5.83E-07	1.47E-08	1.58E-03	5.98E-07	1.51E-08	2.67E-06	1.45E-06
852	490736.72, 3860685.12	0.0177974	6.73E-06	2.64E-06	9.69E-03	3.66E-06	1.44E-06	1.59E-03	5.99E-07	1.52E-08	1.63E-03	6.16E-07	1.56E-08	2.64E-06	1.44E-06
853	490786.72, 3860685.12	0.0176641	6.68E-06	2.62E-06	9.65E-03	3.65E-06	1.43E-06	1.63E-03	6.18E-07	1.56E-08	1.68E-03	6.36E-07	1.61E-08	2.62E-06	1.43E-06
854	490136.72, 3860735.12	0.0192941	7.29E-06	2.87E-06	1.01E-02	3.83E-06	1.50E-06	1.15E-03	4.34E-07	1.10E-08	1.17E-03	4.43E-07	1.12E-08	2.87E-06	1.51E-06
855	490186.72, 3860735.12	0.018974	7.17E-06	2.82E-06	9.99E-03	3.78E-06	1.48E-06	1.17E-03	4.42E-07	1.12E-08	1.19E-03	4.52E-07	1.14E-08	2.82E-06	1.48E-06
856	490236.72, 3860735.12	0.0186858	7.06E-06	2.78E-06	9.87E-03	3.73E-06	1.47E-06	1.19E-03	4.51E-07	1.14E-08	1.22E-03	4.61E-07	1.17E-08	2.78E-06	1.47E-06
857	490286.72, 3860735.12	0.0184252	6.97E-06	2.74E-06	9.76E-03	3.69E-06	1.45E-06	1.22E-03	4.61E-07	1.17E-08	1.25E-03	4.71E-07	1.19E-08	2.74E-06	1.45E-06
858	490336.72, 3860735.12	0.0181803	6.87E-06	2.70E-06	9.65E-03	3.65E-06	1.43E-06	1.25E-03	4.71E-07	1.19E-08	1.27E-03	4.81E-07	1.22E-08	2.70E-06	1.43E-06
859	490386.72, 3860735.12	0.0179672	6.79E-06	2.67E-06	9.57E-03	3.62E-06	1.42E-06	1.28E-03	4.82E-07	1.22E-08	1.30E-03	4.92E-07	1.24E-08	2.67E-06	1.42E-06
860	490436.72, 3860735.12	0.0177817	6.72E-06	2.64E-06	9.50E-03	3.59E-06	1.41E-06	1.30E-03	4.93E-07	1.25E-08	1.33E-03	5.04E-07	1.28E-08	2.64E-06	1.41E-06
861	490486.72, 3860735.12	0.01757	6.64E-06	2.61E-06	9.41E-03	3.56E-06	1.40E-06	1.34E-03	5.05E-07	1.28E-08	1.36E-03	5.16E-07	1.31E-08	2.61E-06	1.40E-06
862	490536.72, 3860735.12	0.0173699	6.57E-06	2.58E-06	9.34E-03	3.53E-06	1.39E-06	1.37E-03	5.16E-07	1.31E-08	1.40E-03	5.28E-07	1.34E-08	2.58E-06	1.39E-06
863	490586.72, 3860735.12	0.01719	6.50E-06	2.55E-06	9.27E-03	3.51E-06	1.38E-06	1.40E-03	5.29E-07	1.34E-08	1.43E-03	5.42E-07	1.37E-08	2.55E-06	1.38E-06
864	490636.72, 3860735.12	0.0170395	6.44E-06	2.53E-06	9.22E-03	3.49E-06	1.37E-06	1.44E-03	5.43E-07	1.37E-08	1.47E-03	5.57E-07	1.41E-08	2.53E-06	1.37E-06
865	490686.72, 3860735.12	0.0169094	6.39E-06	2.51E-06	9.18E-03	3.47E-06	1.36E-06	1.48E-03	5.59E-07	1.41E-08	1.51E-03	5.73E-07	1.45E-08	2.51E-06	1.36E-06
866	490736.72, 3860735.12	0.016795	6.35E-06	2.49E-06	9.16E-03	3.46E-06	1.36E-06	1.52E-03	5.75E-07	1.45E-08	1.56E-03	5.90E-07	1.49E-08	2.49E-06	1.36E-06
867	490136.72, 3860785.12	0.0177957	6.73E-06	2.64E-06	9.37E-03	3.54E-06	1.39E-06	1.10E-03	4.16E-07	1.05E-08	1.12E-03	4.25E-07	1.08E-08	2.64E-06	1.39E-06
868	490186.72, 3860785.12	0.0175581	6.64E-06	2.61E-06	9.27E-03	3.50E-06	1.38E-06	1.12E-03	4.24E-07	1.07E-08	1.15E-03	4.34E-07	1.10E-08	2.61E-06	1.38E-06
869	490236.72, 3860785.12	0.0173226	6.55E-06	2.57E-06	9.17E-03	3.47E-06	1.36E-06	1.15E-03	4.33E-07	1.10E-08	1.17E-03	4.42E-07	1.12E-08	2.57E-06	1.36E-06
870	490286.72, 3860785.12	0.0171147	6.47E-06	2.54E-06	9.08E-03	3.43E-06	1.35E-06	1.17E-03	4.42E-07	1.12E-08	1.19E-03	4.52E-07	1.14E-08	2.54E-06	1.35E-06
871	490336.72, 3860785.12	0.0169246	6.40E-06	2.51E-06	9.01E-03	3.41E-06	1.34E-06	1.20E-03	4.52E-07	1.14E-08	1.22E-03	4.62E-07	1.17E-08	2.51E-06	1.34E-06
872	490386.72, 3860785.12	0.0167623	6.34E-06	2.49E-06	8.95E-03	3.38E-06	1.33E-06	1.22E-03	4.62E-07	1.17E-08	1.25E-03	4.72E-07	1.19E-08	2.49E-06	1.33E-06
873	490436.72, 3860785.12	0.0166016	6.28E-06	2.47E-06	8.89E-03	3.36E-06	1.32E-06	1.25E-03	4.73E-07	1.20E-08	1.28E-03	4.83E-07	1.22E-08	2.47E-06	1.32E-06
874	490486.72, 3860785.12	0.0164591	6.22E-06	2.44E-06	8.84E-03	3.34E-06	1.31E-06	1.28E-03	4.84E-07	1.23E-08	1.31E-03	4.95E-07	1.25E-08	2.44E-06	1.31E-06
875	490536.72, 3860785.12	0.0163003	6.16E-06	2.42E-06	8.78E-03	3.32E-06	1.30E-06	1.31E-03	4.96E-07	1.25E-08	1.34E-03	5.07E-07	1.28E-08	2.42E-06	1.30E-06
876	490586.72, 3860785.12	0.0161432	6.10E-06	2.40E-06	8.72E-03	3.30E-06	1.30E-06	1.34E-03	5.08E-07	1.28E-08	1.37E-03	5.19E-07	1.31E-08	2.40E-06	1.30E-06
877	490636.72, 3860785.12	0.016018	6.06E-06	2.38E-06	8.69E-03	3.28E-06	1.29E-06	1.38E-03	5.21E-07	1.32E-08	1.41E-03	5.33E-07	1.35E-08	2.38E-06	1.29E-06
878	490686.72, 3860785.12	0.0158952	6.01E-06	2.36E-06	8.65E-03	3.27E-06	1.28E-06	1.41E-03	5.34E-07	1.35E-08	1.45E-03	5.47E-07	1.38E-08	2.36E-06	1.28E-06
879	490736.72, 3860785.12	0.0158063	5.98E-06	2.35E-06	8.63E-03	3.26E-06	1.28E-06	1.45E-03	5.50E-07	1.39E-08	1.49E-03	5.64E-07	1.43E-08	2.35E-06	1.28E-06
880	490086.72, 3860835.12	0.0166119	6.28E-06	2.47E-06	8.76E-03	3.31E-06	1.30E-06	1.04E-03	3.92E-07	9.92E-09	1.06E-03	4.01E-07	1.01E-08	2.47E-06	1.30E-06
881	490136.72, 3860835.12	0.016427	6.21E-06	2.44E-06	8.68E-03	3.28E-06	1.29E-06	1.06E-03	4.00E-07	1.01E-08	1.08E-03	4.09E-07	1.04E-08	2.44E-06	1.29E-06
882	490186.72, 3860835.12	0.0162418	6.14E-06	2.41E-06	8.60E-03	3.25E-06	1.28E-06	1.08E-03	4.07E-07	1.03E-08	1.10E-03	4.17E-07	1.05E-08	2.41E-06	1.28E-06
883	490236.72, 3860835.12	0.0160591	6.07E-06	2.39E-06	8.53E-03	3.22E-06	1.27E-06	1.10E-03	4.16E-07	1.05E-08	1.12E-03	4.25E-07	1.08E-08	2.39E-06	1.27E-06
884	490286.72, 3860835.12	0.015906	6.01E-06	2.36E-06	8.47E-03	3.20E-06	1.26E-06	1.12E-03	4.25E-07	1.07E-08	1.15E-03	4.34E-07	1.10E-08	2.36E-06	1.26E-06
885	490336.72, 3860835.12	0.0157528	5.96E-06	2.34E-06	8.41E-03	3.18E-06	1.25E-06	1.15E-03	4.34E-07	1.10E-08	1.17E-03	4.42E-07	1.12E-08	2.34E-06	1.25E-06
886	490386.72, 3860835.12	0.0156156	5.90E-06	2.32E-06	8.36E-03	3.16E-06	1.24E-06	1.17E-03	4.43E-07	1.12E-08	1.20E-03	4.52E-07	1.14E-08	2.32E-06	1.24E-06
887	490436.72, 3860835.12	0.0154943	5.86E-06	2.30E-06	8.32E-03	3.14E-06	1.24E-06	1.20E-03	4.53E-07	1.15E-08	1.22E-03	4.63E-07	1.17E-08	2.30E-06	1.24E-06
888	490486.72, 3860835.12	0.015375	5.81E-06	2.28E-06	8.28E-03	3.13E-06	1.23E-06	1.23E-03	4.64E-07	1.17E-08	1.25E-03	4.73E-07	1.20E-08	2.28E-06	1.23E-06
889	490536.72, 3860835.12	0.0152575	5.77E-06	2.27E-06	8.24E-03	3.11E-06	1.22E-06	1.26E-03	4.75E-07	1.20E-08	1.28E-03	4.85E-07	1.23E-08	2.27E-06	1.22E-06
890	490586.72, 3860835.12	0.0151534	5.73E-06	2.25E-06	8.21E-03	3.10E-06	1.22E-06	1.29E-03	4.86E-07	1.23E-08	1.31E-03	4.97E-07	1.26E-08	2.25E-06	1.22E-06
891	490636.72, 3860835.12	0.015038	5.69E-06	2.23E-06	8.17E-03	3.09E-06	1.21E-06	1.32E-03	4.98E-07	1.26E-08	1.35E-03	5.10E-07	1.29E-08	2.23E-06	1.21E-06
892	490686.72, 3860835.12	0.0149539	5.65E-06	2.22E-06	8.15E-03	3.08E-06	1.21E-06	1.35E-03	5.11E-07	1.29E-08	1.38E-03	5.23E-07	1.32E-08	2.22E-06	1.21E-06
893	490736.72, 3860835.12	0.0148765	5.62E-06	2.21E-06	8.14E-03	3.08E-06	1.21E-06	1.39E-03	5.26E-07	1.33E-08	1.42E-03	5.39E-07	1.36E-08	2.21E-06	1.21E-06
894	490086.72, 3860885.12	0.0153056	5.79E-06	2.27E-06	8.10E-03	3.06E-06	1.20E-06	1.00E-03	3.78E-07	9.58E-09	1.02E-03	3.87E-07	9.79E-09	2.27E-06	1.20E-06
895	490136.72, 3860885.12	0.0151596	5.73E-06	2.25E-06	8.04E-03	3.04E-06	1.19E-06	1.02E-03	3.86E-07	9.75E-09	1.04E-03	3.94E-07	9.98E-09	2.25E-06	1.19E-06
896	490186.72, 3860885.12	0.0150273	5.68E-06	2.23E-06	7.98E-03	3.02E-06	1.19E-06	1.04E-03	3.93E-07	9.93E-09	1.06E-03	4.02E-07	1.02E-08	2.23E-06	1.19E-06
897	490236.72, 3860885.12	0.0148973	5.63E-06	2.21E-06	7.93E-03	3.00E-06	1.18E-06	1.06E-03	4.00E-07	1.01E-08	1.08E-03	4.09E-07	1.04E-08	2.21E-06	1.18E-06
898	490286.72, 3860885.12	0.0147676	5.58E-06	2.19E-06	7.88E-03	2.98E-06	1.17E-06	1.08E-03	4.08E-07	1.03E-08	1.10E-03	4.17E-07	1.06E-08	2.19E-06	1.17E-06
899	490336.72, 3860885.12	0.0146535	5.54E-06	2.18E-06	7.84E-03	2.97E-06	1.16E-06	1.10E-03	4.16E-07	1.05E-08	1.12E-03	4.25E-07	1.08E-08	2.18E-06	1.17E-06
900	490386.72, 3860885.12	0.0145554	5.50E-06	2.16E-06	7.81E-03	2.95E-06	1.16E-06	1.12E-03	4.25E-07	1.08E-08	1.15E-03	4.34E-07	1.10E-08	2.16E-06	1.16E-06
901	490436.72, 3860885.12	0.0144595	5.47E-06	2.15E-06	7.78E-03	2.94E-06	1.16E-06	1.15E-03	4.35E-07	1.10E-08	1.17E-03	4.44E-07	1.12E-08	2.15E-06	1.16E-06
902	490486.72, 3860885.12	0.0143772	5.44E-06	2.14E-06	7.76E-03	2.93E-06	1.15E-06	1.17E-03	4.44E-07	1.12E-08	1.20E-03	4.54E-07	1.15E-08	2.14E-06	1.15E-06
903	490536.72, 3860885.12	0.0142852	5.40E-06	2.12E-06	7.73E-03	2.92E-06	1.15E-06	1.20E-03	4.55E-07	1.15E-08	1.23E-03	4.65E-07	1.18E-08	2.12E-06	1.15E-06
904	490586.72, 3860885.12	0.014193	5.37E-06	2.11E-06	7.70E-03	2.91E-06	1.14E-06	1.23E-03	4.66E-07	1.18E-08	1.26E-03	4.76E-07	1.20E-08	2.11E-06	1.14E-06
905	490636.72, 3860885.12	0.0141164	5.34E-06	2.10E-06	7.69E-03	2.91E-06	1.14E-06	1.26E-03	4.77E-07	1.21E-08	1.29E-03	4.87E-07	1.23E-08	2.10E-06	1.14E-06
906	490686.72, 3860885.12	0.014042	5.31E-06	2.09E-06	7.67E-03	2.90E-06	1.14E-06	1.29E-03	4.89E-07	1.24E-08	1.32E-03	5.00E-07	1.26E-08	2.09E-06	1.14E-06
907	490736.72, 3860885.12	0.013972	5.28E-06	2.08E-06	7.66E-03	2.90E-06	1.14E-06	1.33E-03	5.02E-07	1.27E-08	1.36E-03	5.14E-07	1.30E-08	2.08E-06	1.14E-06
908	490086.72, 3860935.12	0.01411	5.33E-06	2.10E-06	7.49E-03	2.83E-06	1.11E-06	9.67E-04	3.65E-07	9.25E-09	9.89E-04	3.74E-07	9.46E-09	2.10E-06	1.11E-06
909	490136.72, 3860935.12	0.0140027	5.29E-06	2.08E-06	7.45E-03	2.82E-06	1.11E-06	9.84E-04	3.72E-07	9.41E-09	1.01E-03	3.81E-07	9.63E-09	2.08E-06	1.11E-06
910	490186.72, 3860935.12	0.01391	5.26E-06	2.07E-06	7.42E-03	2.80E-06	1.10E-06	1.00E-03	3.78E-07	9.58E-09	1.03E-03	3.88E-07	9.81E-09	2.07E-06	1.10E-06
911	490236.72, 3860935.12	0.0138194	5.22E-06	2.05E-06	7.38E-03	2.79E-06	1.10E-06	1.02E-03	3.86E-07	9.75E-09	1.04E-03	3.95E-07	9.99E-09	2.05E-06	1.10E-06
912	490286.72, 3860935.12	0.0137308	5.19E-06	2.04E-06	7.35E-03	2.78E-06	1.09E-06	1.04E-03	3.93E-07	9.95E-09	1.06E-03	4.02E-07	1.02E-08	2.04E-06	1.09E-06
913	490336.72, 3860935.12	0.0136421	5.16E-06	2.03E-06	7.32E-03	2.77E-06	1.09E-06	1.06E-03	4.01E-07	1.01E-08	1.08E-03	4.10E-07	1.04E-08	2.03E-06	1.09E-06
914	490386.72, 3860935.12	0.0135696	5.13E-06	2.02E-06	7.30E-03	2.76E-06	1.08E-06	1.08E-03	4.09E-07	1.04E-08	1.11E-03	4.18E-07	1.06E-08	2.02E-06	1.09E-06
915	490436.72, 3860935.12	0.0134991	5.10E-06	2.01E-06	7.28E-03	2.75E-06	1.08E-06	1.11E-03	4.18E-07	1.06E-08	1.13E-03	4.27E-07	1.08E-08	2.01E-06	1.08E-06
916	490486.72, 3860935.12	0.0134284	5.08E-06	1.99E-06	7.27E-03	2.75E-06	1.08E-06	1.13E-03	4.27E-07	1.08E-08	1.15E-03	4.36E-07	1.10E-08	1.99E-06	1.08E-06
917	490536.72, 3860935.12	0.0133735	5.06E-06	1.99E-06	7.25E-03	2.74E-06	1.08E-06	1.15E-03	4.37E-07	1.10E-08	1.18E-03	4.46E-07	1.13E-08	1.99E-06	1.08E-06
918	490586.72, 3860935.12	0.0133049	5.03E-06	1.98E-06	7.24E-03	2.74E-06	1.08E-06	1.18E-03	4.46E-07	1.13E-08	1.20E-03	4.55E-07	1.15E-08	1.98E-06	1.08E-06
919	490636.72, 3860935.12	0.01324	5.01E-06	1.97E-06	7.22E-03	2.73E-06	1.07E-06	1.21E-03	4.57E-07	1.16E-08	1.23E-03	4.67E-07	1.18E-08	1.97E-06	1.07E-06
920	490686.72, 3860935.12	0.0131911	4.99E-06	1.96E-06	7.22E-03	2.73E-06	1.07E-06	1.24E-03	4.68E-07	1.18E-08	1.27E-03	4.78E-07	1.21E-08	1.96E-06	1.07E-06
921	490736.72, 3860935.12	0.0131306	4.96E-06	1.95E-06	7.21E-03	2.73E-06	1.07E-06	1.27E-03	4.80E-07	1.21E-08	1.30E-03	4.91E-07	1.24E-08	1.95E-06	1.07E-06
922	490786.72, 3860935.12	0.0130859	4.95E-06	1.94E-06	7.21E-03	2.73E-06	1.07E-06	1.30E-03	4.92E-07	1.25E-08	1.33E-03	5.04E-07	1.28E-08	1.94E-06	1.07E-06
923	490836.72, 3860935.12	0.0130612	4.94E-06	1.94E-06	7.22E-03	2.73E-06	1.07E-06	1.34E-03	5.06E-07	1.28E-08	1.37E-03	5.19E-07	1.31E-08	1.94E-06	1.07E-06
924	490086.72, 3860985.12	0.0130435	4.93E-06	1.94E-06	6.95E-03	2.63E-06	1.03E-06	9.37E-04	3.54E-07	8.96E-09	9.60E-04	3.63E-07	9.18E-09	1.94E-06	1.03E-06
925	490136.72, 3860985.12	0.0129757	4.91E-06	1.93E-06	6.93E-03	2.62E-06	1.03E-06	9.52E-04	3.60E-07	9.11E-09	9.74E-04	3.68E-07	9.32E-09	1.93E-06	1.03E-06
926	490186.72, 3860985.12	0.0129102	4.88E-06	1.92E-06	6.91E-03	2.61E-06	1.03E-06	9.70E-04	3.67E-07	9.28E-09	9.92E-04	3.75E-07	9.49E-09	1.92E-06	1.03E-06
927	490236.72, 3860985.12	0.0128428	4.86E-06	1.91E-06	6.89E-03	2.60E-06	1.02E-06	9.85E-04	3.73E-07	9.43E-09	1.01E-03	3.81E-07	9.65E-09	1.91E-06	1.02E-06
928	490286.72, 3860985.12	0.0127796	4.83E-06	1.90E-06	6.87E-03	2.60E-06	1.02E-06	1.00E-03	3.80E-07	9.61E-09	1.03E-03	3.88E-07	9.82E-09	1.90E-06	1.02E-06
929	490336.72, 3860985.12	0.0127167	4.81E-06	1.89E-06	6.85E-03	2.59E-06	1.02E-06	1.02E-03	3.87E-07	9.78E-09	1.05E-03	3.96E-07	1.00E-08	1.89E-06	1.02E-06
930	490386.72, 3860985.12	0.0126557	4.78E-06	1.88E-06	6.83E-03	2.58E-06	1.02E-06	1.04E-03	3.94E-07	9.98E-09	1.07E-03	4.03E-07	1.02E-08	1.88E-06	1.02E-06
931	490436.72, 3860985.12	0.0126246	4.77E-06	1.88E-06	6.83E-03	2.58E-06	1.01E-06	1.07E-03	4.03E-07	1.02E-08	1.09E-03	4.12E-07	1.04E-08	1.88E-06	1.02E-06
932	490486.72, 3860985.12	0.0125658	4.75E-06	1.87E-06	6.82E-03	2.58E-06	1.01E-06	1.09E-03	4.11E-07	1.04E-08	1.11E-03	4.20E-07	1.06E-08	1.87E-06	1.01E-06
933	490536.72, 3860985.12	0.0125204	4.73E-06	1.86E-06	6.81E-03	2.57E-06	1.01E-06	1.11E-03	4.19E-07	1.06E-08	1.13E-03	4.28E-07	1.08E-08	1.86E-06	1.01E-06
934	490586.72, 3860985.12	0.0124654	4.71E-06	1.85E-06	6.80E-03	2.57E-06	1.01E-06	1.13E-03	4.29E-07	1.08E-08	1.16E-03	4.38E-07	1.11E-08	1.85E-06	1.01E-06
935	490636.72, 3860985.12	0.0124243	4.70E-06	1.85E-06	6.80E-03	2.57E-06	1.01E-06	1.16E-03	4.38E-07	1.11E-08	1.18E-03	4.47E-07	1.13E-08	1.85E-06	1.01E-06
936	490686.72, 3860985.12	0.0123852	4.68E-06	1.84E-06	6.79E-03	2.57E-06	1.01E-06	1.19E-03	4.48E-07	1.13E-08	1.21E-03	4.58E-07	1.16E-08	1.84E-06	1.01E-06

937	490736.72, 3860985.12	0.0123481	4.67E-06	1.83E-06	6.79E-03	2.57E-06	1.01E-06	1.21E-03	4.59E-07	1.16E-08	1.24E-03	4.69E-07	1.19E-08	1.83E-06	1.01E-06
938	490786.72, 3860985.12	0.0123152	4.66E-06	1.83E-06	6.80E-03	2.57E-06	1.01E-06	1.25E-03	4.71E-07	1.19E-08	1.27E-03	4.81E-07	1.22E-08	1.83E-06	1.01E-06
939	490836.72, 3860985.12	0.0122846	4.64E-06	1.82E-06	6.80E-03	2.57E-06	1.01E-06	1.28E-03	4.83E-07	1.22E-08	1.31E-03	4.95E-07	1.25E-08	1.82E-06	1.01E-06
940	490086.72, 3861035.12	0.0120995	4.57E-06	1.80E-06	6.47E-03	2.45E-06	9.62E-07	9.07E-04	3.43E-07	8.68E-09	9.30E-04	3.52E-07	8.90E-09	1.80E-06	9.62E-07
941	490136.72, 3861035.12	0.0120458	4.55E-06	1.79E-06	6.46E-03	2.44E-06	9.59E-07	9.23E-04	3.49E-07	8.83E-09	9.47E-04	3.58E-07	9.06E-09	1.79E-06	9.60E-07
942	490186.72, 3861035.12	0.0119921	4.53E-06	1.78E-06	6.44E-03	2.44E-06	9.57E-07	9.38E-04	3.55E-07	8.98E-09	9.61E-04	3.63E-07	9.20E-09	1.78E-06	9.57E-07
943	490236.72, 3861035.12	0.0119544	4.52E-06	1.78E-06	6.44E-03	2.43E-06	9.56E-07	9.56E-04	3.61E-07	9.14E-09	9.78E-04	3.70E-07	9.35E-09	1.78E-06	9.56E-07
944	490286.72, 3861035.12	0.0119009	4.50E-06	1.77E-06	6.42E-03	2.43E-06	9.54E-07	9.71E-04	3.67E-07	9.29E-09	9.94E-04	3.76E-07	9.51E-09	1.77E-06	9.54E-07
945	490336.72, 3861035.12	0.0118631	4.49E-06	1.76E-06	6.41E-03	2.42E-06	9.52E-07	9.88E-04	3.74E-07	9.46E-09	1.01E-03	3.83E-07	9.68E-09	1.76E-06	9.53E-07
946	490386.72, 3861035.12	0.0118302	4.47E-06	1.76E-06	6.41E-03	2.42E-06	9.52E-07	1.01E-03	3.81E-07	9.65E-09	1.03E-03	3.90E-07	9.87E-09	1.76E-06	9.52E-07
947	490436.72, 3861035.12	0.0118087	4.46E-06	1.75E-06	6.41E-03	2.42E-06	9.52E-07	1.03E-03	3.89E-07	9.83E-09	1.05E-03	3.97E-07	1.01E-08	1.75E-06	9.52E-07
948	490486.72, 3861035.12	0.0117753	4.45E-06	1.75E-06	6.41E-03	2.42E-06	9.52E-07	1.05E-03	3.96E-07	1.00E-08	1.07E-03	4.05E-07	1.02E-08	1.75E-06	9.52E-07
949	490536.72, 3861035.12	0.0117302	4.43E-06	1.74E-06	6.40E-03	2.42E-06	9.51E-07	1.07E-03	4.05E-07	1.02E-08	1.09E-03	4.13E-07	1.04E-08	1.74E-06	9.51E-07
950	490586.72, 3861035.12	0.0116987	4.42E-06	1.74E-06	6.40E-03	2.42E-06	9.50E-07	1.09E-03	4.13E-07	1.04E-08	1.11E-03	4.22E-07	1.07E-08	1.74E-06	9.51E-07
951	490636.72, 3861035.12	0.0116692	4.41E-06	1.73E-06	6.40E-03	2.42E-06	9.51E-07	1.12E-03	4.22E-07	1.07E-08	1.14E-03	4.30E-07	1.09E-08	1.73E-06	9.51E-07
952	490686.72, 3861035.12	0.0116399	4.40E-06	1.73E-06	6.40E-03	2.42E-06	9.51E-07	1.14E-03	4.31E-07	1.09E-08	1.16E-03	4.40E-07	1.11E-08	1.73E-06	9.51E-07
953	490736.72, 3861035.12	0.0116145	4.39E-06	1.73E-06	6.41E-03	2.42E-06	9.51E-07	1.17E-03	4.41E-07	1.11E-08	1.19E-03	4.50E-07	1.14E-08	1.73E-06	9.52E-07
954	490786.72, 3861035.12	0.0115896	4.38E-06	1.72E-06	6.41E-03	2.42E-06	9.52E-07	1.19E-03	4.51E-07	1.14E-08	1.22E-03	4.61E-07	1.17E-08	1.72E-06	9.52E-07
955	490836.72, 3861035.12	0.0115686	4.37E-06	1.72E-06	6.42E-03	2.43E-06	9.54E-07	1.22E-03	4.62E-07	1.17E-08	1.25E-03	4.73E-07	1.20E-08	1.72E-06	9.54E-07
956	490086.72, 3861085.12	0.0112572	4.26E-06	1.67E-06	6.05E-03	2.29E-06	8.98E-07	8.82E-04	3.33E-07	8.44E-09	9.04E-04	3.42E-07	8.65E-09	1.67E-06	8.99E-07
957	490136.72, 3861085.12	0.0112292	4.25E-06	1.67E-06	6.04E-03	2.29E-06	8.98E-07	8.96E-04	3.39E-07	8.57E-09	9.19E-04	3.47E-07	8.79E-09	1.67E-06	8.98E-07
958	490186.72, 3861085.12	0.0112034	4.24E-06	1.66E-06	6.04E-03	2.28E-06	8.97E-07	9.12E-04	3.45E-07	8.72E-09	9.35E-04	3.54E-07	8.95E-09	1.66E-06	8.98E-07
959	490236.72, 3861085.12	0.0111615	4.22E-06	1.66E-06	6.03E-03	2.28E-06	8.96E-07	9.26E-04	3.50E-07	8.86E-09	9.50E-04	3.59E-07	9.09E-09	1.66E-06	8.96E-07
960	490286.72, 3861085.12	0.011122	4.21E-06	1.65E-06	6.02E-03	2.28E-06	8.94E-07	9.41E-04	3.56E-07	9.01E-09	9.65E-04	3.65E-07	9.23E-09	1.65E-06	8.95E-07
961	490336.72, 3861085.12	0.0110961	4.20E-06	1.65E-06	6.02E-03	2.28E-06	8.94E-07	9.57E-04	3.62E-07	9.16E-09	9.81E-04	3.71E-07	9.38E-09	1.65E-06	8.94E-07
962	490386.72, 3861085.12	0.0110747	4.19E-06	1.64E-06	6.02E-03	2.28E-06	8.94E-07	9.76E-04	3.69E-07	9.34E-09	9.99E-04	3.78E-07	9.56E-09	1.65E-06	8.94E-07
963	490436.72, 3861085.12	0.0110512	4.18E-06	1.64E-06	6.02E-03	2.28E-06	8.94E-07	9.93E-04	3.75E-07	9.50E-09	1.02E-03	3.84E-07	9.73E-09	1.64E-06	8.94E-07
964	490486.72, 3861085.12	0.0110316	4.17E-06	1.64E-06	6.02E-03	2.28E-06	8.95E-07	1.01E-03	3.83E-07	9.69E-09	1.03E-03	3.91E-07	9.90E-09	1.64E-06	8.95E-07
965	490536.72, 3861085.12	0.0110102	4.16E-06	1.64E-06	6.03E-03	2.28E-06	8.95E-07	1.03E-03	3.90E-07	9.87E-09	1.06E-03	3.99E-07	1.01E-08	1.64E-06	8.95E-07
966	490586.72, 3861085.12	0.0109906	4.16E-06	1.63E-06	6.03E-03	2.28E-06	8.96E-07	1.05E-03	3.98E-07	1.01E-08	1.08E-03	4.07E-07	1.03E-08	1.63E-06	8.96E-07
967	490636.72, 3861085.12	0.0109728	4.15E-06	1.63E-06	6.03E-03	2.28E-06	8.96E-07	1.07E-03	4.06E-07	1.03E-08	1.10E-03	4.15E-07	1.05E-08	1.63E-06	8.97E-07
968	490686.72, 3861085.12	0.0109416	4.14E-06	1.63E-06	6.03E-03	2.28E-06	8.96E-07	1.10E-03	4.15E-07	1.05E-08	1.12E-03	4.23E-07	1.07E-08	1.63E-06	8.96E-07
969	490736.72, 3861085.12	0.0109263	4.13E-06	1.62E-06	6.04E-03	2.28E-06	8.97E-07	1.12E-03	4.23E-07	1.07E-08	1.14E-03	4.33E-07	1.09E-08	1.62E-06	8.98E-07
970	490786.72, 3861085.12	0.0109131	4.13E-06	1.62E-06	6.05E-03	2.29E-06	8.99E-07	1.15E-03	4.33E-07	1.10E-08	1.17E-03	4.42E-07	1.12E-08	1.62E-06	8.99E-07
971	490836.72, 3861085.12	0.0109017	4.12E-06	1.62E-06	6.06E-03	2.29E-06	9.01E-07	1.17E-03	4.43E-07	1.12E-08	1.20E-03	4.53E-07	1.15E-08	1.62E-06	9.01E-07
972	490086.72, 3861135.12	0.0105103	3.97E-06	1.56E-06	5.67E-03	2.14E-06	8.42E-07	8.57E-04	3.24E-07	8.20E-09	8.80E-04	3.33E-07	8.42E-09	1.56E-06	8.42E-07
973	490136.72, 3861135.12	0.0104804	3.96E-06	1.56E-06	5.66E-03	2.14E-06	8.41E-07	8.69E-04	3.29E-07	8.32E-09	8.94E-04	3.38E-07	8.56E-09	1.56E-06	8.41E-07
974	490186.72, 3861135.12	0.0104685	3.96E-06	1.55E-06	5.67E-03	2.14E-06	8.42E-07	8.85E-04	3.35E-07	8.47E-09	9.08E-04	3.43E-07	8.68E-09	1.56E-06	8.42E-07
975	490236.72, 3861135.12	0.0104546	3.95E-06	1.55E-06	5.67E-03	2.14E-06	8.42E-07	8.99E-04	3.40E-07	8.60E-09	9.22E-04	3.49E-07	8.82E-09	1.55E-06	8.42E-07
976	490286.72, 3861135.12	0.0104269	3.94E-06	1.55E-06	5.66E-03	2.14E-06	8.41E-07	9.13E-04	3.45E-07	8.74E-09	9.37E-04	3.54E-07	8.96E-09	1.55E-06	8.42E-07
977	490336.72, 3861135.12	0.0104013	3.93E-06	1.54E-06	5.66E-03	2.14E-06	8.41E-07	9.29E-04	3.51E-07	8.89E-09	9.53E-04	3.60E-07	9.12E-09	1.55E-06	8.41E-07
978	490386.72, 3861135.12	0.0103914	3.93E-06	1.54E-06	5.67E-03	2.14E-06	8.42E-07	9.46E-04	3.58E-07	9.05E-09	9.68E-04	3.66E-07	9.26E-09	1.54E-06	8.42E-07
979	490436.72, 3861135.12	0.0103798	3.92E-06	1.54E-06	5.67E-03	2.14E-06	8.43E-07	9.62E-04	3.64E-07	9.20E-09	9.86E-04	3.73E-07	9.43E-09	1.54E-06	8.43E-07
980	490486.72, 3861135.12	0.0103584	3.92E-06	1.54E-06	5.67E-03	2.15E-06	8.43E-07	9.81E-04	3.71E-07	9.38E-09	1.00E-03	3.79E-07	9.59E-09	1.54E-06	8.43E-07
981	490536.72, 3861135.12	0.0103488	3.91E-06	1.54E-06	5.68E-03	2.15E-06	8.44E-07	9.98E-04	3.77E-07	9.55E-09	1.02E-03	3.86E-07	9.77E-09	1.54E-06	8.44E-07
982	490586.72, 3861135.12	0.0103431	3.91E-06	1.54E-06	5.69E-03	2.15E-06	8.45E-07	1.02E-03	3.85E-07	9.74E-09	1.04E-03	3.93E-07	9.95E-09	1.54E-06	8.46E-07
983	490636.72, 3861135.12	0.0103215	3.90E-06	1.53E-06	5.69E-03	2.15E-06	8.46E-07	1.04E-03	3.92E-07	9.92E-09	1.06E-03	4.01E-07	1.01E-08	1.53E-06	8.46E-07
984	490686.72, 3861135.12	0.010316	3.90E-06	1.53E-06	5.70E-03	2.16E-06	8.47E-07	1.06E-03	4.00E-07	1.01E-08	1.08E-03	4.09E-07	1.03E-08	1.53E-06	8.47E-07
985	490736.72, 3861135.12	0.0102988	3.89E-06	1.53E-06	5.71E-03	2.16E-06	8.48E-07	1.08E-03	4.08E-07	1.03E-08	1.10E-03	4.17E-07	1.06E-08	1.53E-06	8.48E-07
986	490786.72, 3861135.12	0.0102972	3.89E-06	1.53E-06	5.72E-03	2.16E-06	8.50E-07	1.10E-03	4.17E-07	1.05E-08	1.13E-03	4.26E-07	1.08E-08	1.53E-06	8.50E-07
987	490836.72, 3861135.12	0.0102976	3.89E-06	1.53E-06	5.74E-03	2.17E-06	8.53E-07	1.13E-03	4.26E-07	1.08E-08	1.15E-03	4.36E-07	1.10E-08	1.53E-06	8.53E-07
988	490086.72, 3861185.12	0.0098474	3.72E-06	1.46E-06	5.33E-03	2.02E-06	7.92E-07	8.33E-04	3.15E-07	7.97E-09	8.57E-04	3.24E-07	8.20E-09	1.46E-06	7.92E-07
989	490136.72, 3861185.12	0.009829	3.72E-06	1.46E-06	5.33E-03	2.01E-06	7.92E-07	8.44E-04	3.19E-07	8.08E-09	8.68E-04	3.28E-07	8.31E-09	1.46E-06	7.92E-07
990	490186.72, 3861185.12	0.0098152	3.71E-06	1.46E-06	5.33E-03	2.02E-06	7.92E-07	8.58E-04	3.25E-07	8.21E-09	8.81E-04	3.33E-07	8.43E-09	1.46E-06	7.92E-07
991	490236.72, 3861185.12	0.0098015	3.71E-06	1.46E-06	5.33E-03	2.02E-06	7.92E-07	8.73E-04	3.30E-07	8.35E-09	8.96E-04	3.39E-07	8.57E-09	1.46E-06	7.93E-07
992	490286.72, 3861185.12	0.0097883	3.70E-06	1.45E-06	5.34E-03	2.02E-06	7.93E-07	8.87E-04	3.35E-07	8.48E-09	9.11E-04	3.44E-07	8.71E-09	1.45E-06	7.93E-07
993	490336.72, 3861185.12	0.0097742	3.70E-06	1.45E-06	5.34E-03	2.02E-06	7.93E-07	9.01E-04	3.41E-07	8.62E-09	9.24E-04	3.49E-07	8.84E-09	1.45E-06	7.93E-07
994	490386.72, 3861185.12	0.0097628	3.69E-06	1.45E-06	5.34E-03	2.02E-06	7.94E-07	9.16E-04	3.46E-07	8.77E-09	9.40E-04	3.55E-07	8.99E-09	1.45E-06	7.94E-07
995	490436.72, 3861185.12	0.009765	3.69E-06	1.45E-06	5.35E-03	2.02E-06	7.95E-07	9.32E-04	3.52E-07	8.92E-09	9.57E-04	3.62E-07	9.15E-09	1.45E-06	7.96E-07
996	490486.72, 3861185.12	0.0097554	3.69E-06	1.45E-06	5.36E-03	2.03E-06	7.96E-07	9.49E-04	3.59E-07	9.08E-09	9.71E-04	3.67E-07	9.29E-09	1.45E-06	7.97E-07
997	490536.72, 3861185.12	0.00976	3.69E-06	1.45E-06	5.37E-03	2.03E-06	7.98E-07	9.67E-04	3.65E-07	9.25E-09	9.89E-04	3.74E-07	9.46E-09	1.45E-06	7.99E-07
998	490586.72, 3861185.12	0.0097523	3.69E-06	1.45E-06	5.38E-03	2.04E-06	8.00E-07	9.85E-04	3.73E-07	9.43E-09	1.01E-03	3.81E-07	9.63E-09	1.45E-06	8.00E-07
999	490636.72, 3861185.12	0.0097288	3.68E-06	1.45E-06	5.38E-03	2.04E-06	7.99E-07	1.00E-03	3.79E-07	9.59E-09	1.03E-03	3.88E-07	9.81E-09	1.45E-06	8.00E-07
1000	490686.72, 3861185.12	0.0097213	3.68E-06	1.44E-06	5.39E-03	2.04E-06	8.01E-07	1.02E-03	3.86E-07	9.77E-09	1.04E-03	3.95E-07	9.99E-09	1.44E-06	8.01E-07
1001	490736.72, 3861185.12	0.0097318	3.68E-06	1.45E-06	5.41E-03	2.05E-06	8.04E-07	1.04E-03	3.94E-07	9.98E-09	1.06E-03	4.02E-07	1.02E-08	1.45E-06	8.04E-07
1002	490786.72, 3861185.12	0.0097266	3.68E-06	1.44E-06	5.42E-03	2.05E-06	8.05E-07	1.06E-03	4.02E-07	1.02E-08	1.09E-03	4.11E-07	1.04E-08	1.44E-06	8.05E-07
1003	490836.72, 3861185.12	0.0097251	3.68E-06	1.44E-06	5.44E-03	2.06E-06	8.07E-07	1.09E-03	4.11E-07	1.04E-08	1.11E-03	4.20E-07	1.06E-08	1.44E-06	8.08E-07
1004	490086.72, 3861235.12	0.0092528	3.50E-06	1.37E-06	5.03E-03	1.90E-06	7.47E-07	8.10E-04	3.06E-07	7.75E-09	8.34E-04	3.15E-07	7.98E-09	1.37E-06	7.47E-07
1005	490136.72, 3861235.12	0.0092502	3.50E-06	1.37E-06	5.03E-03	1.90E-06	7.48E-07	8.22E-04	3.11E-07	7.87E-09	8.46E-04	3.20E-07	8.09E-09	1.37E-06	7.48E-07
1006	490186.72, 3861235.12	0.0092347	3.49E-06	1.37E-06	5.03E-03	1.90E-06	7.48E-07	8.35E-04	3.16E-07	7.99E-09	8.59E-04	3.25E-07	8.21E-09	1.37E-06	7.48E-07
1007	490236.72, 3861235.12	0.009219	3.49E-06	1.37E-06	5.03E-03	1.90E-06	7.48E-07	8.47E-04	3.20E-07	8.11E-09	8.72E-04	3.30E-07	8.34E-09	1.37E-06	7.48E-07
1008	490386.72, 3861235.12	0.009204	3.48E-06	1.37E-06	5.05E-03	1.91E-06	7.51E-07	8.88E-04	3.36E-07	8.50E-09	9.12E-04	3.45E-07	8.73E-09	1.37E-06	7.51E-07
1009	490436.72, 3861235.12	0.0091926	3.48E-06	1.37E-06	5.06E-03	1.91E-06	7.51E-07	9.04E-04	3.42E-07	8.65E-09	9.27E-04	3.51E-07	8.87E-09	1.37E-06	7.51E-07
1010	490486.72, 3861235.12	0.0091951	3.48E-06	1.37E-06	5.07E-03	1.92E-06	7.53E-07	9.20E-04	3.48E-07	8.80E-09	9.42E-04	3.56E-07	9.01E-09	1.37E-06	7.53E-07
1011	490536.72, 3861235.12	0.0092001	3.48E-06	1.37E-06	5.08E-03	1.92E-06	7.55E-07	9.37E-04	3.54E-07	8.96E-09	9.60E-04	3.63E-07	9.18E-09	1.37E-06	7.55E-07
1012	490586.72, 3861235.12	0.0092049	3.48E-06	1.37E-06	5.10E-03	1.93E-06	7.57E-07	9.54E-04	3.61E-07	9.13E-09	9.76E-04	3.69E-07	9.34E-09	1.37E-06	7.57E-07
1013	490636.72, 3861235.12	0.0091928	3.48E-06	1.37E-06	5.10E-03	1.93E-06	7.58E-07	9.70E-04	3.67E-07	9.28E-09	9.92E-04	3.75E-07	9.49E-09	1.37E-06	7.58E-07
1014	490686.72, 3861235.12	0.0091856	3.47E-06	1.36E-06	5.11E-03	1.93E-06	7.59E-07	9.88E-04	3.74E-07	9.46E-09	1.01E-03	3.82E-07	9.66E-09	1.36E-06	7.59E-07
1015	490736.72, 3861235.12	0.0091921	3.48E-06	1.37E-06	5.12E-03	1.94E-06	7.61E-07	1.01E-03	3.81E-07	9.63E-09	1.03E-03	3.89E-07	9.85E-09	1.37E-06	7.61E-07
1016	490786.72, 3861235.12	0.0092009	3.48E-06	1.37E-06	5.14E-03	1.94E-06	7.64E-07	1.03E-03	3.89E-07	9.83E-09	1.05E-03	3.97E-07	1.01E-08	1.37E-06	7.64E-07
1017	490836.72, 3861235.12	0.0092113	3.48E-06	1.37E-06	5.16E-03	1.95E-06	7.67E-07	1.05E-03	3.97E-07	1.00E-08	1.07E-03	4.05E-07	1.03E-08	1.37E-06	7.67E-07
1018	490086.72, 3861285.12	0.0087444	3.31E-06	1.30E-06	4.77E-03	1.80E-06	7.08E-07	7.90E-04	2.99E-07	7.55E-09	8.13E-04	3.07E-07	7.78E-09	1.30E-06	7.08E-07
1019	490136.72, 3861285.12	0.0087406	3.30E-06	1.30E-06	4.77E-03	1.80E-06	7.09E-07	8.00E-04	3.03E-07	7.66E-09	8.26E-04	3.12E-07	7.90E-09	1.30E-06	7.09E-07
1020	490186.72, 3861285.12	0.0087228	3.30E-06	1.30E-06	4.77E-03	1.80E-06	7.08E-07	8.11E-04	3.07E-07	7.76E-09	8.36E-04	3.16E-07	7.99E-09	1.30E-06	7.09E-07
1021	490236.72, 3861285.12	0.008721	3.30E-06	1.30E-06	4.78E-03	1.81E-06	7.10E-07	8.24E-04	3.12E-07	7.88E-09	8.49E-04	3.21E-07	8.12E-09	1.30E-06	7.10E-07
1022	490386.72, 3861285.12	0.0086908	3.29E-06	1.29E-06	4.79E-03	1.81E-06	7.11E-07	8.63E-04	3.26E-07	8.26E-09	8.86E-04	3.35E-07	8.48E-09	1.29E-06	7.11E-07
1023	490436.72, 3861285.12	0.0086914	3.29E-06	1.29E-06	4.80E-03	1.81E-06	7.12E-07	8.77E-04	3.32E-07	8.39E-09	9.01E-04	3.41E-07	8.62E-09	1.29E-06	7.13E-07
1024	490486.72, 3861285.12	0.0086918	3.29E-06	1.29E-06	4.81E-03	1.82E-06	7.14E-07	8.91E-04	3.37E-07	8.53E-09	9.16E-04	3.46E-07	8.76E-09	1.29E-06	7.14E-07
1025	490536.72, 3861285.12	0.0086944	3.29E-06	1.29E-06	4.82E-03	1.82E-06	7.16E-07	9.07E-04	3.43E-07	8.68E-09	9.30E-04	3.52E-07	8.90E-09	1.29E-06	7.16E-07
1026	490586.72, 3861285.12	0.0086993	3.29E-06	1.29E-06	4.83E-03	1.83E-06	7.18E-07	9.24E-04	3.49E-07	8.84E-09	9.47E-04	3.58E-07	9.06E-09	1.29E-06	7.18E-07
1027	490636.72, 3861285.12	0.008688	3.28E-06	1.29E-06	4.84E-03	1.83E-06	7.18E-07	9.40E-04	3.55E-07	8.99E-09	9.61E-04	3.63E-07	9.20E-09	1.29E-06	7.18E-07
1028	490686.72, 3861285.12	0.0086905	3.29E-06	1.29E-06	4.85E-03	1.83E-06	7.20E-07	9.56E-04	3.61E-07	9.14E-09	9.79E-04	3.70E-07	9.37E-09	1.29E-06	7.20E-07
1029	490736.72, 3861285.12	0.0087132	3.29E-06	1.29E-06	4.87E-03	1.84E-06	7.24E-07	9.76E-04	3.69E-07	9.34E-09	9.97E-04	3.77E-07	9.54E-09	1.29E-06	7.24E-07
1030	490786.72, 3861285.12	0.0087179	3.30E-06	1.29E-06	4.88E-03	1.85E-06	7.26E-07	9.93E-04	3.75E-07	9.50E-09	1.02E-03	3.84E-07	9.71E-09	1.30E-06	7.26E-07

1031	490836.72, 3861285.12	0.0087242	3.30E-06	1.30E-06	4.90E-03	1.85E-06	7.28E-07	1.01E-03	3.83E-07	9.68E-09	1.03E-03	3.91E-07	9.90E-09	1.30E-06	7.28E-07
1032	490061.24, 3859716.13	0.0565393	2.14E-05	8.40E-06	3.30E-02	1.25E-05	4.91E-06	8.55E-03	3.23E-06	8.18E-08	8.83E-03	3.34E-06	8.45E-08	8.40E-06	4.91E-06
1033	490111.24, 3859716.13	0.0595096	2.25E-05	8.84E-06	3.57E-02	1.35E-05	5.30E-06	1.04E-02	3.92E-06	9.91E-08	1.07E-02	4.06E-06	1.03E-07	8.84E-06	5.30E-06
1034	490161.24, 3859716.13	0.0641872	2.43E-05	9.53E-06	3.96E-02	1.50E-05	5.89E-06	1.30E-02	4.91E-06	1.24E-07	1.34E-02	5.08E-06	1.29E-07	9.54E-06	5.89E-06
1035	490211.24, 3859716.13	0.0715489	2.71E-05	1.06E-05	4.58E-02	1.73E-05	6.80E-06	1.70E-02	6.41E-06	1.62E-07	1.75E-02	6.63E-06	1.68E-07	1.06E-05	6.80E-06
1036	490061.24, 3859766.13	0.0507828	1.92E-05	7.54E-06	2.86E-02	1.08E-05	4.25E-06	6.02E-03	2.27E-06	5.76E-08	6.18E-03	2.34E-06	5.92E-08	7.54E-06	4.25E-06
1037	490111.24, 3859766.13	0.051739	1.96E-05	7.68E-06	2.96E-02	1.12E-05	4.40E-06	6.86E-03	2.59E-06	6.56E-08	7.06E-03	2.67E-06	6.75E-08	7.69E-06	4.40E-06
1038	490161.24, 3859766.13	0.0532285	2.01E-05	7.91E-06	3.10E-02	1.17E-05	4.61E-06	7.93E-03	3.00E-06	7.59E-08	8.18E-03	3.09E-06	7.82E-08	7.91E-06	4.61E-06
1039	490211.24, 3859766.13	0.0555215	2.10E-05	8.25E-06	3.31E-02	1.25E-05	4.92E-06	9.40E-03	3.56E-06	9.00E-08	9.69E-03	3.66E-06	9.27E-08	8.25E-06	4.92E-06
1040	490061.24, 3859816.13	0.0475108	1.80E-05	7.06E-06	2.61E-02	9.88E-06	3.88E-06	4.65E-03	1.76E-06	4.45E-08	4.77E-03	1.80E-06	4.56E-08	7.06E-06	3.88E-06
1041	490111.24, 3859816.13	0.0476553	1.80E-05	7.08E-06	2.65E-02	1.00E-05	3.94E-06	5.13E-03	1.94E-06	4.90E-08	5.26E-03	1.99E-06	5.03E-08	7.08E-06	3.94E-06
1042	490161.24, 3859816.13	0.048075	1.82E-05	7.14E-06	2.71E-02	1.02E-05	4.02E-06	5.71E-03	2.16E-06	5.46E-08	5.86E-03	2.21E-06	5.60E-08	7.14E-06	4.02E-06
1043	490211.24, 3859816.13	0.0488192	1.85E-05	7.25E-06	2.79E-02	1.06E-05	4.15E-06	6.42E-03	2.43E-06	6.14E-08	6.60E-03	2.50E-06	6.31E-08	7.25E-06	4.15E-06
1044	490061.24, 3859866.13	0.045344	1.71E-05	6.74E-06	2.45E-02	9.27E-06	3.64E-06	3.81E-03	1.44E-06	3.64E-08	3.89E-03	1.47E-06	3.72E-08	6.74E-06	3.64E-06
1045	490111.24, 3859866.13	0.0450949	1.70E-05	6.70E-06	2.46E-02	9.30E-06	3.65E-06	4.11E-03	1.56E-06	3.93E-08	4.21E-03	1.59E-06	4.03E-08	6.70E-06	3.66E-06
1046	490161.24, 3859866.13	0.0450271	1.70E-05	6.69E-06	2.48E-02	9.38E-06	3.68E-06	4.48E-03	1.69E-06	4.28E-08	4.58E-03	1.73E-06	4.38E-08	6.69E-06	3.69E-06
1047	490211.24, 3859866.13	0.0451391	1.71E-05	6.70E-06	2.51E-02	9.50E-06	3.73E-06	4.90E-03	1.85E-06	4.69E-08	5.02E-03	1.90E-06	4.80E-08	6.71E-06	3.73E-06
1048	490061.24, 3859916.13	0.0437456	1.65E-05	6.50E-06	2.34E-02	8.84E-06	3.47E-06	3.23E-03	1.22E-06	3.09E-08	3.30E-03	1.25E-06	3.16E-08	6.50E-06	3.47E-06
1049	490111.24, 3859916.13	0.0432711	1.64E-05	6.43E-06	2.33E-02	8.81E-06	3.46E-06	3.45E-03	1.30E-06	3.30E-08	3.53E-03	1.33E-06	3.37E-08	6.43E-06	3.46E-06
1050	490161.24, 3859916.13	0.0429004	1.62E-05	6.37E-06	2.33E-02	8.80E-06	3.46E-06	3.70E-03	1.40E-06	3.53E-08	3.78E-03	1.43E-06	3.62E-08	6.37E-06	3.46E-06
1051	490211.24, 3859916.13	0.0426557	1.61E-05	6.34E-06	2.33E-02	8.82E-06	3.46E-06	3.97E-03	1.50E-06	3.80E-08	4.06E-03	1.54E-06	3.89E-08	6.34E-06	3.47E-06
1052	490229.25, 3859815.26	0.0493029	1.86E-05	7.32E-06	2.84E-02	1.07E-05	4.21E-06	6.78E-03	2.56E-06	6.48E-08	6.96E-03	2.63E-06	6.66E-08	7.32E-06	4.22E-06
1053	490279.25, 3859815.26	0.0506814	1.92E-05	7.53E-06	2.97E-02	1.12E-05	4.41E-06	7.79E-03	2.95E-06	7.46E-08	8.01E-03	3.03E-06	7.66E-08	7.53E-06	4.41E-06
1054	490329.25, 3859815.26	0.0527616	1.99E-05	7.84E-06	3.16E-02	1.19E-05	4.69E-06	9.15E-03	3.46E-06	8.75E-08	9.39E-03	3.55E-06	8.98E-08	7.84E-06	4.69E-06
1055	490379.25, 3859815.26	0.0561204	2.12E-05	8.34E-06	3.45E-02	1.30E-05	5.12E-06	1.11E-02	4.21E-06	1.06E-07	1.14E-02	4.30E-06	1.09E-07	8.34E-06	5.13E-06
1056	490429.25, 3859815.26	0.0615157	2.33E-05	9.14E-06	3.91E-02	1.48E-05	5.81E-06	1.42E-02	5.36E-06	1.36E-07	1.44E-02	5.46E-06	1.38E-07	9.14E-06	5.81E-06
1057	490229.25, 3859865.26	0.0452828	1.71E-05	6.73E-06	2.53E-02	9.58E-06	3.76E-06	5.10E-03	1.93E-06	4.88E-08	5.22E-03	1.97E-06	5.00E-08	6.73E-06	3.76E-06
1058	490279.25, 3859865.26	0.0456903	1.73E-05	6.79E-06	2.59E-02	9.79E-06	3.84E-06	5.65E-03	2.13E-06	5.40E-08	5.79E-03	2.19E-06	5.54E-08	6.79E-06	3.85E-06
1059	490329.25, 3859865.26	0.0464049	1.75E-05	6.89E-06	2.67E-02	1.01E-05	3.96E-06	6.33E-03	2.39E-06	6.05E-08	6.48E-03	2.45E-06	6.20E-08	6.89E-06	3.96E-06
1060	490379.25, 3859865.26	0.0475901	1.80E-05	7.07E-06	2.78E-02	1.05E-05	4.13E-06	7.21E-03	2.73E-06	6.90E-08	7.38E-03	2.79E-06	7.06E-08	7.07E-06	4.13E-06
1061	490429.25, 3859865.26	0.0494125	1.87E-05	7.34E-06	2.95E-02	1.11E-05	4.38E-06	8.39E-03	3.17E-06	8.02E-08	8.57E-03	3.24E-06	8.20E-08	7.34E-06	4.38E-06
1062	490229.25, 3859915.26	0.0426555	1.61E-05	6.34E-06	2.34E-02	8.85E-06	3.48E-06	4.10E-03	1.55E-06	3.92E-08	4.19E-03	1.59E-06	4.01E-08	6.34E-06	3.48E-06
1063	490279.25, 3859915.26	0.042612	1.61E-05	6.33E-06	2.36E-02	8.92E-06	3.51E-06	4.44E-03	1.68E-06	4.24E-08	4.54E-03	1.72E-06	4.34E-08	6.33E-06	3.51E-06
1064	490329.25, 3859915.26	0.0427568	1.62E-05	6.35E-06	2.39E-02	9.05E-06	3.56E-06	4.84E-03	1.83E-06	4.63E-08	4.96E-03	1.87E-06	4.74E-08	6.35E-06	3.56E-06
1065	490379.25, 3859915.26	0.0431372	1.63E-05	6.41E-06	2.44E-02	9.24E-06	3.63E-06	5.34E-03	2.02E-06	5.11E-08	5.46E-03	2.06E-06	5.22E-08	6.41E-06	3.63E-06
1066	490429.25, 3859915.26	0.043797	1.66E-05	6.51E-06	2.52E-02	9.51E-06	3.74E-06	5.94E-03	2.25E-06	5.68E-08	6.08E-03	2.30E-06	5.81E-08	6.51E-06	3.74E-06
1067	490451.43, 3859872.59	0.0492532	1.86E-05	7.32E-06	2.94E-02	1.11E-05	4.37E-06	8.48E-03	3.20E-06	8.11E-08	8.66E-03	3.27E-06	8.28E-08	7.32E-06	4.38E-06
1068	490501.43, 3859872.59	0.0521569	1.97E-05	7.75E-06	3.20E-02	1.21E-05	4.75E-06	1.02E-02	3.85E-06	9.74E-08	1.04E-02	3.92E-06	9.91E-08	7.75E-06	4.75E-06
1069	490551.43, 3859872.59	0.0567856	2.15E-05	8.43E-06	3.59E-02	1.36E-05	5.34E-06	1.28E-02	4.85E-06	1.23E-07	1.30E-02	4.91E-06	1.24E-07	8.44E-06	5.34E-06
1070	490601.43, 3859872.59	0.0642063	2.43E-05	9.54E-06	4.23E-02	1.60E-05	6.28E-06	1.71E-02	6.45E-06	1.63E-07	1.71E-02	6.45E-06	1.63E-07	9.54E-06	6.28E-06
1071	490451.43, 3859922.59	0.0435611	1.65E-05	6.47E-06	2.51E-02	9.48E-06	3.72E-06	5.99E-03	2.26E-06	5.73E-08	6.12E-03	2.31E-06	5.86E-08	6.47E-06	3.72E-06
1072	490501.43, 3859922.59	0.0447018	1.69E-05	6.64E-06	2.61E-02	9.88E-06	3.88E-06	6.78E-03	2.57E-06	6.49E-08	6.93E-03	2.62E-06	6.62E-08	6.64E-06	3.88E-06
1073	490551.43, 3859922.59	0.0464852	1.76E-05	6.90E-06	2.77E-02	1.05E-05	4.12E-06	7.87E-03	2.98E-06	7.53E-08	8.02E-03	3.03E-06	7.67E-08	6.91E-06	4.12E-06
1074	490601.43, 3859922.59	0.0491406	1.86E-05	7.30E-06	3.00E-02	1.13E-05	4.45E-06	9.40E-03	3.55E-06	8.99E-08	9.53E-03	3.60E-06	9.11E-08	7.30E-06	4.45E-06
1075	482129.67, 3852241.07	0.0319919	1.21E-05	4.75E-06	2.28E-02	8.62E-06	3.39E-06	1.12E-02	4.23E-06	1.07E-07	1.17E-02	4.43E-06	1.12E-07	4.76E-06	3.39E-06
1076	482029.67, 3852291.07	0.0556999	2.11E-05	8.27E-06	4.06E-02	1.53E-05	6.03E-06	2.09E-02	7.89E-06	2.00E-07	2.18E-02	8.25E-06	2.09E-07	8.28E-06	6.04E-06
1077	482079.67, 3852291.07	0.0441302	1.67E-05	6.55E-06	3.19E-02	1.21E-05	4.74E-06	1.62E-02	6.12E-06	1.55E-07	1.69E-02	6.41E-06	1.62E-07	6.56E-06	4.75E-06
1078	482129.67, 3852291.07	0.0368602	1.39E-05	5.47E-06	2.64E-02	1.00E-05	3.93E-06	1.32E-02	4.98E-06	1.26E-07	1.38E-02	5.21E-06	1.32E-07	5.48E-06	3.93E-06
1079	482179.67, 3852291.07	0.0318049	1.20E-05	4.72E-06	2.25E-02	8.53E-06	3.35E-06	1.09E-02	4.14E-06	1.05E-07	1.15E-02	4.34E-06	1.10E-07	4.73E-06	3.35E-06
1080	482229.67, 3852291.07	0.0281371	1.06E-05	4.18E-06	1.97E-02	7.44E-06	2.92E-06	9.27E-03	3.50E-06	8.86E-08	9.73E-03	3.68E-06	9.30E-08	4.18E-06	2.93E-06
1081	482029.67, 3852341.07	0.0752735	2.85E-05	1.12E-05	5.52E-02	2.09E-05	8.20E-06	2.88E-02	1.09E-05	2.75E-07	3.00E-02	1.14E-05	2.87E-07	1.12E-05	8.21E-06
1082	482079.67, 3852341.07	0.0554591	2.10E-05	8.24E-06	4.04E-02	1.53E-05	5.99E-06	2.07E-02	7.83E-06	1.98E-07	2.16E-02	8.18E-06	2.07E-07	8.25E-06	6.00E-06
1083	482129.67, 3852341.07	0.0440111	1.66E-05	6.54E-06	3.18E-02	1.20E-05	4.72E-06	1.61E-02	6.07E-06	1.54E-07	1.68E-02	6.36E-06	1.61E-07	6.54E-06	4.73E-06
1084	482179.67, 3852341.07	0.0367504	1.39E-05	5.46E-06	2.63E-02	9.94E-06	3.90E-06	1.30E-02	4.92E-06	1.24E-07	1.36E-02	5.15E-06	1.30E-07	5.46E-06	3.91E-06
1085	482259.06, 3852400.14	0.0348481	1.32E-05	5.18E-06	2.49E-02	9.41E-06	3.70E-06	1.23E-02	4.64E-06	1.17E-07	1.29E-02	4.86E-06	1.23E-07	5.18E-06	3.70E-06
1086	482309.06, 3852400.14	0.030302	1.15E-05	4.50E-06	2.13E-02	8.05E-06	3.16E-06	1.01E-02	3.83E-06	9.70E-08	1.06E-02	4.02E-06	1.02E-07	4.51E-06	3.17E-06
1087	482209.06, 3852450.14	0.0499526	1.89E-05	7.42E-06	3.62E-02	1.37E-05	5.37E-06	1.84E-02	6.95E-06	1.76E-07	1.92E-02	7.27E-06	1.84E-07	7.43E-06	5.38E-06
1088	482259.06, 3852450.14	0.0408277	1.54E-05	6.06E-06	2.93E-02	1.11E-05	4.36E-06	1.47E-02	5.54E-06	1.40E-07	1.53E-02	5.80E-06	1.47E-07	6.07E-06	4.36E-06
1089	482309.06, 3852450.14	0.0346565	1.31E-05	5.15E-06	2.46E-02	9.30E-06	3.65E-06	1.20E-02	4.52E-06	1.14E-07	1.25E-02	4.74E-06	1.20E-07	5.15E-06	3.66E-06
1090	482209.06, 3852500.14	0.0649011	2.45E-05	9.64E-06	4.72E-02	1.79E-05	7.01E-06	2.42E-02	9.16E-06	2.32E-07	2.53E-02	9.57E-06	2.42E-07	9.65E-06	7.02E-06
1091	482259.06, 3852500.14	0.049835	1.88E-05	7.40E-06	3.60E-02	1.36E-05	5.35E-06	1.82E-02	6.89E-06	1.74E-07	1.90E-02	7.20E-06	1.82E-07	7.41E-06	5.36E-06
1092	482309.06, 3852500.14	0.0406895	1.54E-05	6.04E-06	2.91E-02	1.10E-05	4.32E-06	1.44E-02	5.45E-06	1.38E-07	1.51E-02	5.70E-06	1.44E-07	6.05E-06	4.33E-06
1093	482283.91, 3852513.62	0.0473604	1.79E-05	7.03E-06	3.41E-02	1.29E-05	5.07E-06	1.72E-02	6.49E-06	1.64E-07	1.80E-02	6.79E-06	1.72E-07	7.04E-06	5.08E-06
1094	482333.91, 3852513.62	0.0391744	1.48E-05	5.82E-06	2.80E-02	1.06E-05	4.15E-06	1.38E-02	5.21E-06	1.32E-07	1.44E-02	5.45E-06	1.38E-07	5.82E-06	4.16E-06
1095	482283.91, 3852563.62	0.0603929	2.28E-05	8.97E-06	4.38E-02	1.65E-05	6.50E-06	2.23E-02	8.41E-06	2.13E-07	2.33E-02	8.80E-06	2.23E-07	8.98E-06	6.51E-06
1096	482333.91, 3852563.62	0.0473609	1.79E-05	7.03E-06	3.41E-02	1.29E-05	5.06E-06	1.71E-02	6.46E-06	1.63E-07	1.79E-02	6.75E-06	1.71E-07	7.04E-06	5.07E-06
1097	482383.91, 3852563.62	0.0393381	1.49E-05	5.84E-06	2.81E-02	1.06E-05	4.17E-06	1.38E-02	5.21E-06	1.32E-07	1.44E-02	5.46E-06	1.38E-07	5.85E-06	4.17E-06
1098	482283.91, 3852613.62	0.0821122	3.10E-05	1.22E-05	5.99E-02	2.27E-05	8.90E-06	3.09E-02	1.17E-05	2.96E-07	3.22E-02	1.22E-05	3.08E-07	1.22E-05	8.91E-06
1099	482333.91, 3852613.62	0.0602105	2.28E-05	8.94E-06	4.35E-02	1.65E-05	6.47E-06	2.20E-02	8.33E-06	2.11E-07	2.30E-02	8.70E-06	2.20E-07	8.95E-06	6.47E-06
1100	482383.91, 3852613.62	0.0474021	1.79E-05	7.04E-06	3.40E-02	1.29E-05	5.05E-06	1.70E-02	6.42E-06	1.62E-07	1.78E-02	6.71E-06	1.70E-07	7.05E-06	5.06E-06
1101	482602.38, 3852600.87	0.0255824	9.67E-06	3.80E-06	1.74E-02	6.59E-06	2.59E-06	7.70E-03	2.91E-06	7.37E-08	8.08E-03	3.05E-06	7.73E-08	3.80E-06	2.59E-06
1102	482652.38, 3852600.87	0.0236281	8.93E-06	3.51E-06	1.59E-02	6.03E-06	2.37E-06	6.88E-03	2.60E-06	6.58E-08	7.24E-03	2.74E-06	6.92E-08	3.51E-06	2.37E-06
1103	482702.38, 3852600.87	0.0218557	8.26E-06	3.25E-06	1.45E-02	5.49E-06	2.16E-06	6.01E-03	2.27E-06	5.75E-08	6.35E-03	2.40E-06	6.07E-08	3.25E-06	2.16E-06
1104	482552.38, 3852650.87	0.0314374	1.19E-05	4.67E-06	2.19E-02	8.26E-06	3.25E-06	1.01E-02	3.84E-06	9.71E-08	1.06E-02	4.01E-06	1.02E-07	4.67E-06	3.25E-06
1105	482602.38, 3852650.87	0.0281921	1.07E-05	4.19E-06	1.94E-02	7.32E-06	2.88E-06	8.75E-03	3.31E-06	8.37E-08	9.17E-03	3.47E-06	8.77E-08	4.19E-06	2.88E-06
1106	482652.38, 3852650.87	0.0257405	9.73E-06	3.82E-06	1.75E-02	6.62E-06	2.60E-06	7.73E-03	2.92E-06	7.39E-08	8.13E-03	3.07E-06	7.77E-08	3.83E-06	2.61E-06
1107	482702.38, 3852650.87	0.0237902	8.99E-06	3.53E-06	1.60E-02	6.07E-06	2.38E-06	6.92E-03	2.61E-06	6.62E-08	7.29E-03	2.76E-06	6.97E-08	3.54E-06	2.39E-06
1108	482552.38, 3852700.87	0.035963	1.36E-05	5.34E-06	2.52E-02	9.53E-06	3.74E-06	1.19E-02	4.51E-06	1.14E-07	1.25E-02	4.72E-06	1.19E-07	5.35E-06	3.75E-06
1109	482602.38, 3852700.87	0.0317186	1.20E-05	4.71E-06	2.20E-02	8.33E-06	3.27E-06	1.02E-02	3.86E-06	9.77E-08	1.07E-02	4.04E-06	1.02E-07	4.72E-06	3.28E-06
1110	482652.38, 3852700.87	0.0286322	1.08E-05	4.25E-06	1.98E-02	7.47E-06	2.93E-06	9.02E-03	3.41E-06	8.63E-08	9.47E-03	3.58E-06	9.06E-08	4.26E-06	2.94E-06
1111	482702.38, 3852700.87	0.0260306	9.84E-06	3.87E-06	1.77E-02	6.71E-06	2.64E-06	7.86E-03	2.97E-06	7.52E-08	8.28E-03	3.13E-06	7.92E-08	3.87E-06	2.64E-06
1112	482452.38, 3852750.87	0.066672	2.52E-05	9.90E-06	4.79E-02	1.81E-05	7.12E-06	2.40E-02	9.08E-06	2.30E-07	2.51E-02	9.47E-06	2.40E-07	9.91E-06	7.13E-06
1113	482521.29, 3852749.74	0.0472036	1.78E-05	7.01E-06	3.35E-02	1.27E-05	4.98E-06	1.63E-02	6.18E-06	1.56E-07	1.71E-02	6.46E-06	1.63E-07	7.02E-06	4.99E-06
1114	482571.29, 3852749.74	0.0395595	1.50E-05	5.88E-06	2.78E-02	1.05E-05	4.13E-06	1.33E-02	5.03E-06	1.27E-07	1.39E-02	5.25E-06	1.33E-07	5.88E-06	4.14E-06
1115	482521.29, 3852799.74	0.0596759	2.26E-05	8.86E-06	4.26E-02	1.61E-05	6.33E-06	2.10E-02	7.95E-06	2.01E-07	2.20E-02	8.30E-06	2.10E-07	8.87E-06	6.34E-06
1116	482571.29, 3852799.74	0.0475316	1.80E-05	7.06E-06	3.36E-02	1.27E-05	5.00E-06	1.63E-02	6.16E-06	1.56E-07	1.70E-02	6.43E-06	1.63E-07	7.07E-06	5.00E-06
1117	482621.29, 3852799.74	0.0398564	1.51E-05	5.92E-06	2.79E-02	1.06E-05	4.15E-06	1.32E-02	5.00E-06	1.26E-07	1.38E-02	5.23E-06	1.32E-07	5.93E-06	4.15E-06
1118	482571.29, 3852849.74	0.060143	2.27E-05	8.93E-06	4.27E-02	1.61E-05	6.34E-06	2.08E-02	7.86E-06	1.99E-07	2.17E-02	8.20E-06	2.07E-07	8.94E-06	6.35E-06
1119	482621.29, 3852849.74	0.0479263	1.81E-05	7.12E-06	3.37E-02	1.27E-05	5.00E-06	1.60E-02	6.05E-06	1.53E-07	1.67E-02	6.33E-06	1.60E-07	7.13E-06	5.01E-06
1120	482577.42, 3852901.55	0.0794854	3.01E-05	1.18E-05	5.64E-02	2.13E-05	8.38E-06	2.74E-02	1.04E-05	2.62E-07	2.86E-02	1.08E-05	2.74E-07	1.18E-05	8.39E-06
1121	482627.42, 3852901.55	0.0594424	2.25E-05	8.83E-06	4.17E-02	1.58E-05	6.19E-06	1.97E-02	7.46E-06	1.89E-07	2.06E-02	7.79E-06	1.97E-07	8.84E-06	6.20E-06
1122	482629.96, 3852955.85	0.0810798	3.07E-05	1.20E-05	5.68E-02	2.15E-05	8.43E-06	2.68E-02	1.01E-05	2.57E-07	2.80E-02	1.06E-05	2.68E-07	1.21E-05	8.45E-06
1123	482679.96, 3852955.85	0.0604559	2.29E-05	8.98E-06	4.18E-02	1.58E-05	6.21E-06	1.92E-02	7.25E-06	1.83E-07	2.01E-02	7.61E-06	1.92E-07	8.99E-06	6.22E-06
1124	482781.63, 3853034.48	0.0507221	1.92E-05	7.53E-06	3.38E-02	1.28E-05	5.02E-06	1.41E-02	5.34E-06	1.35E-07	1.50E-02	5.68E-06	1.44E-07	7.54E-06	5.03E-06

1125	482831.63, 3853034.48	0.0421222	1.59E-05	6.26E-06	2.78E-02	1.05E-05	4.14E-06	1.14E-02	4.30E-06	1.09E-07	1.21E-02	4.58E-06	1.16E-07	6.26E-06	4.14E-06
1126	482881.63, 3853034.48	0.0363362	1.37E-05	5.40E-06	2.38E-02	8.99E-06	3.53E-06	9.44E-03	3.57E-06	9.03E-08	1.01E-02	3.80E-06	9.63E-08	5.40E-06	3.54E-06
1127	482781.63, 3853084.48	0.0581733	2.20E-05	8.64E-06	3.86E-02	1.46E-05	5.74E-06	1.60E-02	6.04E-06	1.53E-07	1.70E-02	6.42E-06	1.62E-07	8.65E-06	5.75E-06
1128	482831.63, 3853084.48	0.0469933	1.78E-05	6.98E-06	3.10E-02	1.17E-05	4.60E-06	1.25E-02	4.74E-06	1.20E-07	1.33E-02	5.04E-06	1.28E-07	6.99E-06	4.61E-06
1129	482881.63, 3853084.48	0.0399407	1.51E-05	5.93E-06	2.61E-02	9.87E-06	3.88E-06	1.03E-02	3.91E-06	9.88E-08	1.10E-02	4.16E-06	1.05E-07	5.94E-06	3.88E-06
1130	482781.63, 3853134.48	0.0674348	2.55E-05	1.00E-05	4.49E-02	1.70E-05	6.66E-06	1.86E-02	7.05E-06	1.78E-07	1.98E-02	7.47E-06	1.89E-07	1.00E-05	6.67E-06
1131	482831.63, 3853134.48	0.0527131	1.99E-05	7.83E-06	3.48E-02	1.31E-05	5.16E-06	1.41E-02	5.33E-06	1.35E-07	1.50E-02	5.66E-06	1.43E-07	7.84E-06	5.17E-06
1132	482881.63, 3853134.48	0.0439295	1.66E-05	6.52E-06	2.87E-02	1.09E-05	4.27E-06	1.14E-02	4.31E-06	1.09E-07	1.21E-02	4.58E-06	1.16E-07	6.53E-06	4.27E-06
1133	482831.63, 3853184.48	0.0600735	2.27E-05	8.92E-06	3.97E-02	1.50E-05	5.89E-06	1.62E-02	6.12E-06	1.55E-07	1.72E-02	6.49E-06	1.64E-07	8.93E-06	5.90E-06
1134	482881.63, 3853184.48	0.0487174	1.84E-05	7.24E-06	3.19E-02	1.21E-05	4.74E-06	1.27E-02	4.79E-06	1.21E-07	1.35E-02	5.09E-06	1.29E-07	7.24E-06	4.74E-06
1135	484154.84, 3854250.98	0.0554382	2.10E-05	8.23E-06	2.82E-02	1.07E-05	4.20E-06	1.96E-03	7.41E-07	1.87E-08	5.45E-03	2.06E-06	5.21E-08	8.27E-06	4.23E-06
1136	484204.84, 3854250.98	0.0535473	2.02E-05	7.95E-06	2.73E-02	1.03E-05	4.05E-06	1.90E-03	7.18E-07	1.82E-08	5.15E-03	1.95E-06	4.93E-08	7.98E-06	4.08E-06
1137	484154.84, 3854300.98	0.0602273	2.28E-05	8.95E-06	3.06E-02	1.16E-05	4.54E-06	1.94E-03	7.34E-07	1.86E-08	5.97E-03	2.26E-06	5.71E-08	8.98E-06	4.58E-06
1138	484204.84, 3854300.98	0.0578711	2.19E-05	8.60E-06	2.94E-02	1.11E-05	4.37E-06	1.89E-03	7.15E-07	1.81E-08	5.66E-03	2.14E-06	5.41E-08	8.63E-06	4.40E-06
1139	484074.19, 3854519.8	0.1062666	4.02E-05	1.58E-05	5.31E-02	2.01E-05	7.89E-06	2.14E-03	8.10E-07	2.05E-08	1.53E-02	5.78E-06	1.46E-07	1.59E-05	8.01E-06
1140	484124.19, 3854519.8	0.0982624	3.72E-05	1.46E-05	4.92E-02	1.86E-05	7.30E-06	2.06E-03	7.78E-07	1.97E-08	1.29E-02	4.87E-06	1.23E-07	1.47E-05	7.41E-06
1141	484074.19, 3854569.8	0.1261947	4.77E-05	1.87E-05	6.28E-02	2.38E-05	9.33E-06	2.20E-03	8.30E-07	2.10E-08	2.13E-02	8.05E-06	2.04E-07	1.89E-05	9.52E-06
1142	484124.19, 3854569.8	0.11443	4.33E-05	1.70E-05	5.71E-02	2.16E-05	8.47E-06	2.10E-03	7.92E-07	2.00E-08	1.69E-02	6.37E-06	1.61E-07	1.71E-05	8.62E-06
1143	485205.11, 3855188.89	0.1116059	4.22E-05	1.66E-05	5.56E-02	2.10E-05	8.26E-06	1.97E-03	7.46E-07	1.89E-08	1.22E-02	4.61E-06	1.17E-07	1.67E-05	8.36E-06
1144	485255.11, 3855188.89	0.1050128	3.97E-05	1.56E-05	5.23E-02	1.98E-05	7.77E-06	1.90E-03	7.20E-07	1.82E-08	1.04E-02	3.95E-06	9.98E-08	1.57E-05	7.86E-06
1145	485205.11, 3855238.89	0.1236403	4.67E-05	1.84E-05	6.15E-02	2.32E-05	9.13E-06	2.02E-03	7.63E-07	1.93E-08	1.41E-02	5.34E-06	1.35E-07	1.85E-05	9.25E-06
1146	485255.11, 3855238.89	0.1141622	4.32E-05	1.70E-05	5.68E-02	2.15E-05	8.44E-06	1.97E-03	7.44E-07	1.88E-08	1.20E-02	4.52E-06	1.14E-07	1.71E-05	8.54E-06
1147	485205.11, 3855288.89	0.1377889	5.21E-05	2.05E-05	6.84E-02	2.59E-05	1.02E-05	2.14E-03	8.07E-07	2.04E-08	1.84E-02	6.94E-06	1.76E-07	2.06E-05	1.03E-05
1148	485255.11, 3855288.89	0.1247804	4.72E-05	1.85E-05	6.21E-02	2.35E-05	9.22E-06	2.07E-03	7.83E-07	1.98E-08	1.47E-02	5.56E-06	1.41E-07	1.87E-05	9.34E-06
1149	485255.11, 3855338.89	0.1404876	5.31E-05	2.09E-05	6.98E-02	2.64E-05	1.04E-05	2.18E-03	8.26E-07	2.09E-08	1.88E-02	7.11E-06	1.80E-07	2.10E-05	1.05E-05
1150	485305.11, 3855338.89	0.126539	4.78E-05	1.88E-05	6.30E-02	2.38E-05	9.35E-06	2.11E-03	7.98E-07	2.02E-08	1.50E-02	5.68E-06	1.44E-07	1.89E-05	9.47E-06
1151	485852.5, 3855635.28	0.0981912	3.71E-05	1.46E-05	4.91E-02	1.86E-05	7.29E-06	2.01E-03	7.60E-07	1.92E-08	7.90E-03	2.99E-06	7.55E-08	1.46E-05	7.35E-06
1152	485902.5, 3855635.28	0.0940534	3.56E-05	1.40E-05	4.70E-02	1.78E-05	6.99E-06	1.95E-03	7.36E-07	1.86E-08	7.12E-03	2.69E-06	6.81E-08	1.40E-05	7.04E-06
1153	485852.5, 3855685.28	0.1044985	3.95E-05	1.55E-05	5.22E-02	1.97E-05	7.75E-06	2.08E-03	7.86E-07	1.99E-08	8.79E-03	3.33E-06	8.41E-08	1.56E-05	7.82E-06
1154	485902.5, 3855685.28	0.0995831	3.77E-05	1.48E-05	4.98E-02	1.88E-05	7.39E-06	2.01E-03	7.60E-07	1.92E-08	7.84E-03	2.96E-06	7.50E-08	1.48E-05	7.45E-06
1155	485852.5, 3855735.28	0.1121251	4.24E-05	1.67E-05	5.60E-02	2.12E-05	8.31E-06	2.15E-03	8.13E-07	2.06E-08	9.93E-03	3.75E-06	9.50E-08	1.67E-05	8.39E-06
1156	485902.5, 3855735.28	0.1058472	4.00E-05	1.57E-05	5.29E-02	2.00E-05	7.85E-06	2.09E-03	7.89E-07	2.00E-08	8.78E-03	3.32E-06	8.40E-08	1.58E-05	7.92E-06
1157	485852.5, 3855785.28	0.1216487	4.60E-05	1.81E-05	6.07E-02	2.29E-05	9.01E-06	2.24E-03	8.47E-07	2.14E-08	1.15E-02	4.35E-06	1.10E-07	1.82E-05	9.10E-06
1158	485902.5, 3855785.28	0.1137725	4.30E-05	1.69E-05	5.68E-02	2.15E-05	8.43E-06	2.16E-03	8.15E-07	2.06E-08	9.89E-03	3.74E-06	9.46E-08	1.70E-05	8.51E-06
1159	486809.46, 3856465.28	0.1008314	3.81E-05	1.50E-05	5.05E-02	1.91E-05	7.49E-06	2.14E-03	8.07E-07	2.04E-08	7.10E-03	2.68E-06	6.79E-08	1.50E-05	7.54E-06
1160	486859.46, 3856465.28	0.0961605	3.64E-05	1.43E-05	4.82E-02	1.82E-05	7.15E-06	2.10E-03	7.94E-07	2.01E-08	6.56E-03	2.48E-06	6.27E-08	1.43E-05	7.20E-06
1161	486909.46, 3856465.28	0.0921309	3.48E-05	1.37E-05	4.62E-02	1.75E-05	6.86E-06	2.06E-03	7.81E-07	1.97E-08	6.09E-03	2.30E-06	5.83E-08	1.37E-05	6.90E-06
1162	486809.46, 3856515.28	0.1066963	4.03E-05	1.58E-05	5.34E-02	2.02E-05	7.93E-06	2.20E-03	8.33E-07	2.11E-08	7.80E-03	2.95E-06	7.46E-08	1.59E-05	7.98E-06
1163	486859.46, 3856515.28	0.1011492	3.82E-05	1.50E-05	5.06E-02	1.91E-05	7.52E-06	2.17E-03	8.21E-07	2.08E-08	7.14E-03	2.70E-06	6.83E-08	1.51E-05	7.57E-06
1164	486909.46, 3856515.28	0.0964768	3.65E-05	1.43E-05	4.83E-02	1.83E-05	7.18E-06	2.14E-03	8.08E-07	2.04E-08	6.59E-03	2.49E-06	6.30E-08	1.44E-05	7.22E-06
1165	486980.94, 3856357.95	0.0803073	3.04E-05	1.19E-05	4.03E-02	1.52E-05	5.99E-06	1.90E-03	7.17E-07	1.81E-08	4.84E-03	1.83E-06	4.63E-08	1.20E-05	6.02E-06
1166	487030.94, 3856357.95	0.077802	2.94E-05	1.16E-05	3.91E-02	1.48E-05	5.80E-06	1.87E-03	7.07E-07	1.79E-08	4.60E-03	1.74E-06	4.40E-08	1.16E-05	5.83E-06
1167	486980.94, 3856407.95	0.0832367	3.15E-05	1.24E-05	4.18E-02	1.58E-05	6.21E-06	1.96E-03	7.39E-07	1.87E-08	5.15E-03	1.95E-06	4.93E-08	1.24E-05	6.24E-06
1168	487030.94, 3856407.95	0.0805069	3.04E-05	1.20E-05	4.04E-02	1.53E-05	6.01E-06	1.93E-03	7.28E-07	1.84E-08	4.87E-03	1.84E-06	4.66E-08	1.20E-05	6.03E-06
1169	487447.18, 3856437.45	0.0651633	2.46E-05	9.68E-06	3.29E-02	1.24E-05	4.88E-06	1.76E-03	6.66E-07	1.69E-08	3.49E-03	1.32E-06	3.34E-08	9.70E-06	4.90E-06
1170	487497.18, 3856437.45	0.0636636	2.41E-05	9.46E-06	3.21E-02	1.21E-05	4.77E-06	1.74E-03	6.59E-07	1.67E-08	3.37E-03	1.27E-06	3.22E-08	9.47E-06	4.79E-06
1171	487547.18, 3856437.45	0.0622311	2.35E-05	9.24E-06	3.14E-02	1.19E-05	4.66E-06	1.73E-03	6.53E-07	1.65E-08	3.26E-03	1.23E-06	3.12E-08	9.26E-06	4.68E-06
1172	487447.18, 3856487.45	0.0669473	2.53E-05	9.94E-06	3.38E-02	1.28E-05	5.01E-06	1.81E-03	6.83E-07	1.73E-08	3.63E-03	1.37E-06	3.47E-08	9.96E-06	5.03E-06
1173	487497.18, 3856487.45	0.0653754	2.47E-05	9.71E-06	3.30E-02	1.25E-05	4.90E-06	1.79E-03	6.76E-07	1.71E-08	3.49E-03	1.32E-06	3.34E-08	9.73E-06	4.91E-06
1174	487547.18, 3856487.45	0.0638735	2.41E-05	9.49E-06	3.22E-02	1.22E-05	4.79E-06	1.77E-03	6.69E-07	1.69E-08	3.38E-03	1.28E-06	3.23E-08	9.50E-06	4.80E-06
1175	487447.18, 3856537.45	0.0689404	2.61E-05	1.02E-05	3.48E-02	1.31E-05	5.16E-06	1.86E-03	7.02E-07	1.78E-08	3.77E-03	1.43E-06	3.61E-08	1.03E-05	5.18E-06
1176	487497.18, 3856537.45	0.0672764	2.54E-05	9.99E-06	3.39E-02	1.28E-05	5.04E-06	1.83E-03	6.93E-07	1.75E-08	3.63E-03	1.37E-06	3.47E-08	1.00E-05	5.06E-06
1177	487547.18, 3856537.45	0.0656903	2.48E-05	9.76E-06	3.31E-02	1.25E-05	4.92E-06	1.82E-03	6.86E-07	1.74E-08	3.50E-03	1.32E-06	3.35E-08	9.77E-06	4.94E-06
1178	489285.89, 3858826.54	0.0895401	3.39E-05	1.33E-05	4.90E-02	1.85E-05	7.27E-06	8.34E-03	3.15E-06	7.98E-08	9.01E-03	3.41E-06	8.62E-08	1.33E-05	7.28E-06
1179	489335.89, 3858826.54	0.0844459	3.19E-05	1.25E-05	4.61E-02	1.74E-05	6.85E-06	7.77E-03	2.94E-06	7.43E-08	8.26E-03	3.12E-06	7.91E-08	1.25E-05	6.85E-06
1180	489385.89, 3858826.54	0.0803781	3.04E-05	1.19E-05	4.38E-02	1.66E-05	6.51E-06	7.27E-03	2.75E-06	6.95E-08	7.62E-03	2.88E-06	7.29E-08	1.19E-05	6.51E-06
1181	489435.89, 3858826.54	0.0769467	2.91E-05	1.14E-05	4.19E-02	1.58E-05	6.22E-06	6.83E-03	2.58E-06	6.54E-08	7.09E-03	2.68E-06	6.78E-08	1.14E-05	6.22E-06
1182	489485.89, 3858826.54	0.0739176	2.79E-05	1.10E-05	4.01E-02	1.52E-05	5.96E-06	6.45E-03	2.44E-06	6.17E-08	6.63E-03	2.51E-06	6.35E-08	1.10E-05	5.96E-06
1183	489535.89, 3858826.54	0.0712067	2.69E-05	1.06E-05	3.86E-02	1.46E-05	5.73E-06	6.12E-03	2.31E-06	5.85E-08	6.24E-03	2.36E-06	5.97E-08	1.06E-05	5.74E-06
1184	489585.89, 3858826.54	0.0687666	2.60E-05	1.02E-05	3.72E-02	1.41E-05	5.53E-06	5.82E-03	2.20E-06	5.56E-08	5.90E-03	2.23E-06	5.64E-08	1.02E-05	5.53E-06
1185	489635.89, 3858826.54	0.0665342	2.52E-05	9.88E-06	3.60E-02	1.36E-05	5.34E-06	5.55E-03	2.10E-06	5.31E-08	5.59E-03	2.11E-06	5.35E-08	9.88E-06	5.34E-06
1186	489685.89, 3858826.54	0.0644773	2.44E-05	9.58E-06	3.48E-02	1.32E-05	5.17E-06	5.30E-03	2.00E-06	5.07E-08	5.32E-03	2.01E-06	5.09E-08	9.58E-06	5.17E-06
1187	489735.89, 3858826.54	0.0625858	2.37E-05	9.30E-06	3.37E-02	1.28E-05	5.01E-06	5.08E-03	1.92E-06	4.85E-08	5.08E-03	1.92E-06	4.86E-08	9.30E-06	5.01E-06
1188	489785.89, 3858826.54	0.0608348	2.30E-05	9.04E-06	3.28E-02	1.24E-05	4.87E-06	4.87E-03	1.84E-06	4.66E-08	4.86E-03	1.84E-06	4.65E-08	9.04E-06	4.87E-06
1189	489835.89, 3858826.54	0.0592142	2.24E-05	8.80E-06	3.18E-02	1.20E-05	4.73E-06	4.68E-03	1.77E-06	4.48E-08	4.66E-03	1.76E-06	4.46E-08	8.79E-06	4.73E-06
1190	489885.89, 3858826.54	0.0576671	2.18E-05	8.57E-06	3.10E-02	1.17E-05	4.60E-06	4.51E-03	1.71E-06	4.32E-08	4.48E-03	1.69E-06	4.29E-08	8.57E-06	4.60E-06
1191	489935.89, 3858826.54	0.0562082	2.13E-05	8.35E-06	3.02E-02	1.14E-05	4.48E-06	4.35E-03	1.64E-06	4.16E-08	4.31E-03	1.63E-06	4.13E-08	8.35E-06	4.48E-06
1192	489985.89, 3858826.54	0.0548338	2.07E-05	8.14E-06	2.94E-02	1.11E-05	4.37E-06	4.20E-03	1.59E-06	4.02E-08	4.16E-03	1.57E-06	3.98E-08	8.14E-06	4.37E-06
1193	490035.89, 3858826.54	0.0535585	2.02E-05	7.96E-06	2.87E-02	1.08E-05	4.26E-06	4.05E-03	1.53E-06	3.87E-08	4.00E-03	1.51E-06	3.83E-08	7.95E-06	4.26E-06
1194	489285.89, 3858876.54	0.0950232	3.59E-05	1.41E-05	5.25E-02	1.98E-05	7.79E-06	9.65E-03	3.65E-06	9.23E-08	1.05E-02	3.96E-06	1.00E-07	1.41E-05	7.80E-06
1195	489335.89, 3858876.54	0.0889209	3.36E-05	1.32E-05	4.90E-02	1.85E-05	7.28E-06	8.88E-03	3.36E-06	8.49E-08	9.47E-03	3.58E-06	9.06E-08	1.32E-05	7.29E-06
1196	489385.89, 3858876.54	0.0841513	3.18E-05	1.25E-05	4.63E-02	1.75E-05	6.87E-06	8.23E-03	3.11E-06	7.88E-08	8.65E-03	3.27E-06	8.28E-08	1.25E-05	6.88E-06
1197	489435.89, 3858876.54	0.0802835	3.04E-05	1.19E-05	4.40E-02	1.66E-05	6.54E-06	7.68E-03	2.90E-06	7.34E-08	7.97E-03	3.01E-06	7.63E-08	1.19E-05	6.54E-06
1198	489485.89, 3858876.54	0.0768991	2.91E-05	1.14E-05	4.21E-02	1.59E-05	6.25E-06	7.19E-03	2.72E-06	6.88E-08	7.40E-03	2.80E-06	7.07E-08	1.14E-05	6.25E-06
1199	489535.89, 3858876.54	0.0738752	2.79E-05	1.10E-05	4.03E-02	1.52E-05	5.99E-06	6.77E-03	2.56E-06	6.47E-08	6.90E-03	2.61E-06	6.60E-08	1.10E-05	5.99E-06
1200	489585.89, 3858876.54	0.0711553	2.69E-05	1.06E-05	3.88E-02	1.47E-05	5.76E-06	6.39E-03	2.42E-06	6.11E-08	6.48E-03	2.45E-06	6.19E-08	1.06E-05	5.76E-06
1201	489635.89, 3858876.54	0.0686654	2.60E-05	1.02E-05	3.73E-02	1.41E-05	5.55E-06	6.06E-03	2.29E-06	5.80E-08	6.11E-03	2.31E-06	5.85E-08	1.02E-05	5.55E-06
1202	489685.89, 3858876.54	0.0664078	2.51E-05	9.86E-06	3.60E-02	1.36E-05	5.35E-06	5.77E-03	2.18E-06	5.52E-08	5.79E-03	2.19E-06	5.54E-08	9.86E-06	5.35E-06
1203	489735.89, 3858876.54	0.0643383	2.43E-05	9.56E-06	3.49E-02	1.32E-05	5.18E-06	5.50E-03	2.08E-06	5.26E-08	5.50E-03	2.08E-06	5.26E-08	9.56E-06	5.18E-06
1204	489785.89, 3858876.54	0.0624074	2.36E-05	9.27E-06	3.38E-02	1.28E-05	5.02E-06	5.26E-03	1.99E-06	5.03E-08	5.25E-03	1.98E-06	5.02E-08	9.27E-06	5.02E-06
1205	489835.89, 3858876.54	0.0606336	2.29E-05	9.01E-06	3.28E-02	1.24E-05	4.87E-06	5.04E-03	1.91E-06	4.82E-08	5.02E-03	1.90E-06	4.80E-08	9.01E-06	4.87E-06
1206	489885.89, 3858876.54	0.0589416	2.23E-05	8.75E-06	3.18E-02	1.20E-05	4.73E-06	4.85E-03	1.83E-06	4.63E-08	4.82E-03	1.82E-06	4.61E-08	8.75E-06	4.73E-06
1207	489935.89, 3858876.54	0.0573882	2.17E-05	8.52E-06	3.09E-02	1.17E-05	4.60E-06	4.66E-03	1.76E-06	4.45E-08	4.62E-03	1.75E-06	4.42E-08	8.52E-06	4.60E-06
1208	489985.89, 3858876.54	0.0559261	2.11E-05	8.31E-06	3.01E-02	1.14E-05	4.47E-06	4.47E-03	1.69E-06	4.28E-08	4.43E-03	1.68E-06	4.24E-08	8.31E-06	4.47E-06
1209	490035.89, 3858876.54	0.054571	2.06E-05	8.11E-06	2.93E-02	1.11E-05	4.36E-06	4.30E-03	1.63E-06	4.12E-08	4.26E-03	1.61E-06	4.07E-08	8.11E-06	4.36E-06
1210	489285.89, 3858926.54	0.1047505	3.96E-05	1.56E-05	5.84E-02	2.21E-05	8.67E-06	1.15E-02	4.34E-06	1.10E-07	1.25E-02	4.74E-06	1.20E-07	1.56E-05	8.68E-06
1211	489335.89, 3858926.54	0.0966237	3.65E-05	1.44E-05	5.37E-02	2.03E-05	7.98E-06	1.04E-02	3.93E-06	9.95E-08	1.11E-02	4.20E-06	1.06E-07	1.44E-05	7.99E-06
1212	489385.89, 3858926.54	0.0906853	3.43E-05	1.35E-05	5.03E-02	1.90E-05	7.47E-06	9.50E-03	3.59E-06	9.09E-08	1.00E-02	3.78E-06	9.57E-08	1.35E-05	7.47E-06
1213	489435.89, 3858926.54	0.0859607	3.25E-05	1.28E-05	4.75E-02	1.80E-05	7.05E-06	8.76E-03	3.31E-06	8.38E-08	9.11E-03	3.44E-06	8.71E-08	1.28E-05	7.06E-06
1214	489485.89, 3858926.54	0.0817608	3.09E-05	1.21E-05	4.50E-02	1.70E-05	6.69E-06	8.13E-03	3.07E-06	7.78E-08	8.37E-03	3.16E-06	8.00E-08	1.21E-05	6.69E-06
1215	489535.89, 3858926.54	0.0779384	2.95E-05	1.16E-05	4.28E-02	1.62E-05	6.36E-06	7.59E-03	2.87E-06	7.26E-08	7.75E-03	2.93E-06	7.41E-08	1.16E-05	6.36E-06
1216	489585.89, 3858926.54	0.0745792	2.82E-05	1.11E-05	4.09E-02	1.55E-05	6.07E-06	7.11E-03	2.69E-06	6.80E-08	7.21E-03	2.73E-06	6.90E-08	1.11E-05	6.07E-06
1217	489635.89, 3858926.54	0.0716407	2.71E-05	1.06E-05	3.92E-02	1.48E-05	5.82E-06	6.70E-03	2.53E-06	6.41E-08	6.76E-03	2.55E-06	6.46E-08	1.06E-05	5.82E-06
1218	489685.89, 3858926.54	0.069	2.61E-05	1.02E-05	3.77E-02	1.42E-05	5.60E-06	6.33E-03	2.39E-06	6.05E-08	6.36E-03	2.40E-06	6.08E-08	1.02E-05	5.60E-06

1219	489735.89, 3858926.54	0.0665888	2.52E-05	9.89E-06	3.63E-02	1.37E-05	5.39E-06	6.01E-03	2.27E-06	5.75E-08	6.02E-03	2.28E-06	5.76E-08	9.89E-06	5.39E-06
1220	489785.89, 3858926.54	0.0644052	2.44E-05	9.57E-06	3.50E-02	1.32E-05	5.21E-06	5.72E-03	2.16E-06	5.48E-08	5.72E-03	2.16E-06	5.47E-08	9.57E-06	5.21E-06
1221	489835.89, 3858926.54	0.0624131	2.36E-05	9.27E-06	3.39E-02	1.28E-05	5.04E-06	5.46E-03	2.06E-06	5.22E-08	5.44E-03	2.06E-06	5.21E-08	9.27E-06	5.04E-06
1222	489885.89, 3858926.54	0.0605515	2.29E-05	8.99E-06	3.28E-02	1.24E-05	4.88E-06	5.23E-03	1.98E-06	5.00E-08	5.20E-03	1.97E-06	4.97E-08	8.99E-06	4.88E-06
1223	489935.89, 3858926.54	0.0588431	2.22E-05	8.74E-06	3.19E-02	1.21E-05	4.73E-06	5.01E-03	1.89E-06	4.79E-08	4.98E-03	1.88E-06	4.76E-08	8.74E-06	4.73E-06
1224	489985.89, 3858926.54	0.0572646	2.17E-05	8.51E-06	3.10E-02	1.17E-05	4.60E-06	4.80E-03	1.82E-06	4.59E-08	4.76E-03	1.80E-06	4.56E-08	8.51E-06	4.60E-06
1225	490035.89, 3858926.54	0.0557999	2.11E-05	8.29E-06	3.01E-02	1.14E-05	4.47E-06	4.58E-03	1.73E-06	4.38E-08	4.54E-03	1.72E-06	4.35E-08	8.29E-06	4.47E-06
1226	489335.89, 3858976.54	0.1158024	4.38E-05	1.72E-05	6.45E-02	2.44E-05	9.58E-06	1.26E-02	4.75E-06	1.20E-07	1.35E-02	5.09E-06	1.29E-07	1.72E-05	9.58E-06
1227	489385.89, 3858976.54	0.1075054	4.06E-05	1.60E-05	5.96E-02	2.25E-05	8.85E-06	1.13E-02	4.26E-06	1.08E-07	1.19E-02	4.49E-06	1.14E-07	1.60E-05	8.86E-06
1228	489435.89, 3858976.54	0.0979364	3.70E-05	1.45E-05	5.43E-02	2.05E-05	8.06E-06	1.02E-02	3.87E-06	9.79E-08	1.07E-02	4.03E-06	1.02E-07	1.46E-05	8.07E-06
1229	489485.89, 3858976.54	0.0902607	3.41E-05	1.34E-05	5.00E-02	1.89E-05	7.42E-06	9.37E-03	3.54E-06	8.97E-08	9.66E-03	3.65E-06	9.24E-08	1.34E-05	7.43E-06
1230	489535.89, 3858976.54	0.0842048	3.18E-05	1.25E-05	4.66E-02	1.76E-05	6.92E-06	8.64E-03	3.27E-06	8.27E-08	8.84E-03	3.34E-06	8.46E-08	1.25E-05	6.92E-06
1231	489585.89, 3858976.54	0.0794986	3.01E-05	1.18E-05	4.39E-02	1.66E-05	6.52E-06	8.03E-03	3.04E-06	7.68E-08	8.17E-03	3.09E-06	7.81E-08	1.18E-05	6.52E-06
1232	489635.89, 3858976.54	0.0757078	2.86E-05	1.12E-05	4.17E-02	1.58E-05	6.19E-06	7.50E-03	2.84E-06	7.17E-08	7.59E-03	2.87E-06	7.26E-08	1.12E-05	6.19E-06
1233	489685.89, 3858976.54	0.0724444	2.74E-05	1.08E-05	3.98E-02	1.50E-05	5.91E-06	7.03E-03	2.66E-06	6.73E-08	7.09E-03	2.68E-06	6.78E-08	1.08E-05	5.91E-06
1234	489735.89, 3858976.54	0.0695674	2.63E-05	1.03E-05	3.81E-02	1.44E-05	5.67E-06	6.63E-03	2.51E-06	6.34E-08	6.66E-03	2.52E-06	6.37E-08	1.03E-05	5.67E-06
1235	489785.89, 3858976.54	0.0669931	2.53E-05	9.95E-06	3.67E-02	1.39E-05	5.45E-06	6.28E-03	2.38E-06	6.01E-08	6.30E-03	2.38E-06	6.02E-08	9.95E-06	5.45E-06
1236	489835.89, 3858976.54	0.0646737	2.45E-05	9.61E-06	3.53E-02	1.34E-05	5.25E-06	5.97E-03	2.26E-06	5.71E-08	5.97E-03	2.26E-06	5.71E-08	9.61E-06	5.25E-06
1237	489885.89, 3858976.54	0.0625963	2.37E-05	9.30E-06	3.41E-02	1.29E-05	5.07E-06	5.68E-03	2.15E-06	5.43E-08	5.66E-03	2.14E-06	5.42E-08	9.30E-06	5.07E-06
1238	489935.89, 3858976.54	0.06067	2.29E-05	9.01E-06	3.30E-02	1.25E-05	4.91E-06	5.41E-03	2.05E-06	5.18E-08	5.39E-03	2.04E-06	5.16E-08	9.01E-06	4.91E-06
1239	489985.89, 3858976.54	0.0588792	2.23E-05	8.75E-06	3.20E-02	1.21E-05	4.75E-06	5.18E-03	1.96E-06	4.95E-08	5.15E-03	1.95E-06	4.93E-08	8.75E-06	4.75E-06
1240	490035.89, 3858976.54	0.0573251	2.17E-05	8.51E-06	3.11E-02	1.17E-05	4.61E-06	4.88E-03	1.84E-06	4.67E-08	4.85E-03	1.83E-06	4.64E-08	8.51E-06	4.61E-06
1241	489385.89, 3859026.54	0.128442	4.86E-05	1.91E-05	7.15E-02	2.70E-05	1.06E-05	1.38E-02	5.24E-06	1.32E-07	1.47E-02	5.55E-06	1.40E-07	1.91E-05	1.06E-05
1242	489435.89, 3859026.54	0.1183781	4.48E-05	1.76E-05	6.56E-02	2.48E-05	9.74E-06	1.23E-02	4.65E-06	1.18E-07	1.29E-02	4.87E-06	1.23E-07	1.76E-05	9.74E-06
1243	489485.89, 3859026.54	0.1022433	3.87E-05	1.52E-05	5.69E-02	2.15E-05	8.45E-06	1.11E-02	4.18E-06	1.06E-07	1.15E-02	4.34E-06	1.10E-07	1.52E-05	8.46E-06
1244	489535.89, 3859026.54	0.0927081	3.51E-05	1.38E-05	5.16E-02	1.95E-05	7.67E-06	1.01E-02	3.80E-06	9.62E-08	1.04E-02	3.91E-06	9.90E-08	1.38E-05	7.67E-06
1245	489585.89, 3859026.54	0.0863407	3.26E-05	1.28E-05	4.80E-02	1.81E-05	7.13E-06	9.22E-03	3.49E-06	8.82E-08	9.43E-03	3.57E-06	9.02E-08	1.28E-05	7.13E-06
1246	489635.89, 3859026.54	0.081452	3.08E-05	1.21E-05	4.51E-02	1.71E-05	6.71E-06	8.52E-03	3.22E-06	8.15E-08	8.67E-03	3.28E-06	8.30E-08	1.21E-05	6.71E-06
1247	489685.89, 3859026.54	0.0773164	2.92E-05	1.15E-05	4.28E-02	1.62E-05	6.35E-06	7.93E-03	3.00E-06	7.58E-08	8.03E-03	3.04E-06	7.68E-08	1.15E-05	6.35E-06
1248	489735.89, 3859026.54	0.0736684	2.79E-05	1.09E-05	4.06E-02	1.54E-05	6.04E-06	7.42E-03	2.80E-06	7.10E-08	7.49E-03	2.83E-06	7.17E-08	1.09E-05	6.04E-06
1249	489785.89, 3859026.54	0.0704792	2.66E-05	1.05E-05	3.88E-02	1.47E-05	5.76E-06	6.98E-03	2.64E-06	6.67E-08	7.02E-03	2.65E-06	6.72E-08	1.05E-05	5.76E-06
1250	489835.89, 3859026.54	0.0676819	2.56E-05	1.01E-05	3.72E-02	1.41E-05	5.52E-06	6.57E-03	2.48E-06	6.28E-08	6.60E-03	2.49E-06	6.31E-08	1.01E-05	5.52E-06
1251	489885.89, 3859026.54	0.0651843	2.46E-05	9.68E-06	3.57E-02	1.35E-05	5.31E-06	6.22E-03	2.35E-06	5.95E-08	6.23E-03	2.36E-06	5.96E-08	9.68E-06	5.31E-06
1252	489935.89, 3859026.54	0.0629366	2.38E-05	9.35E-06	3.44E-02	1.30E-05	5.12E-06	5.90E-03	2.23E-06	5.64E-08	5.90E-03	2.23E-06	5.65E-08	9.35E-06	5.12E-06
1253	489985.89, 3859026.54	0.0608906	2.30E-05	9.04E-06	3.33E-02	1.26E-05	4.94E-06	5.61E-03	2.12E-06	5.37E-08	5.61E-03	2.12E-06	5.36E-08	9.04E-06	4.94E-06
1254	490035.89, 3859026.54	0.0591104	2.23E-05	8.78E-06	3.22E-02	1.22E-05	4.78E-06	5.25E-03	1.98E-06	5.02E-08	5.23E-03	1.98E-06	5.01E-08	8.78E-06	4.78E-06
1255	489485.89, 3859076.54	0.1190843	4.50E-05	1.77E-05	6.67E-02	2.52E-05	9.91E-06	1.35E-02	5.11E-06	1.29E-07	1.42E-02	5.36E-06	1.36E-07	1.77E-05	9.91E-06
1256	489535.89, 3859076.54	0.1092695	4.13E-05	1.62E-05	6.10E-02	2.30E-05	9.05E-06	1.20E-02	4.55E-06	1.15E-07	1.25E-02	4.73E-06	1.20E-07	1.62E-05	9.06E-06
1257	489585.89, 3859076.54	0.0992486	3.75E-05	1.47E-05	5.53E-02	2.09E-05	8.22E-06	1.08E-02	4.10E-06	1.04E-07	1.12E-02	4.23E-06	1.07E-07	1.47E-05	8.22E-06
1258	489635.89, 3859076.54	0.0913671	3.45E-05	1.36E-05	5.09E-02	1.92E-05	7.55E-06	9.90E-03	3.74E-06	9.47E-08	1.01E-02	3.84E-06	9.70E-08	1.36E-05	7.56E-06
1259	489685.89, 3859076.54	0.0849345	3.21E-05	1.26E-05	4.72E-02	1.79E-05	7.01E-06	9.10E-03	3.44E-06	8.71E-08	9.28E-03	3.51E-06	8.88E-08	1.26E-05	7.02E-06
1260	489735.89, 3859076.54	0.0796038	3.01E-05	1.18E-05	4.42E-02	1.67E-05	6.56E-06	8.43E-03	3.19E-06	8.06E-08	8.56E-03	3.24E-06	8.19E-08	1.18E-05	6.56E-06
1261	489785.89, 3859076.54	0.0752253	2.84E-05	1.12E-05	4.17E-02	1.58E-05	6.19E-06	7.85E-03	2.97E-06	7.51E-08	7.95E-03	3.00E-06	7.60E-08	1.12E-05	6.19E-06
1262	489835.89, 3859076.54	0.0715889	2.71E-05	1.06E-05	3.96E-02	1.50E-05	5.88E-06	7.34E-03	2.77E-06	7.02E-08	7.41E-03	2.80E-06	7.09E-08	1.06E-05	5.88E-06
1263	489885.89, 3859076.54	0.0684653	2.59E-05	1.02E-05	3.78E-02	1.43E-05	5.61E-06	6.89E-03	2.60E-06	6.59E-08	6.94E-03	2.62E-06	6.64E-08	1.02E-05	5.61E-06
1264	489935.89, 3859076.54	0.0657246	2.48E-05	9.76E-06	3.62E-02	1.37E-05	5.38E-06	6.50E-03	2.46E-06	6.22E-08	6.54E-03	2.47E-06	6.25E-08	9.76E-06	5.38E-06
1265	489985.89, 3859076.54	0.0633242	2.39E-05	9.41E-06	3.48E-02	1.32E-05	5.17E-06	6.15E-03	2.32E-06	5.88E-08	6.17E-03	2.33E-06	5.90E-08	9.41E-06	5.17E-06
1266	490035.89, 3859076.54	0.061209	2.31E-05	9.09E-06	3.35E-02	1.27E-05	4.97E-06	5.73E-03	2.17E-06	5.48E-08	5.75E-03	2.17E-06	5.50E-08	9.09E-06	4.98E-06
1267	489585.89, 3859126.54	0.1266779	4.79E-05	1.88E-05	7.02E-02	2.65E-05	1.04E-05	1.32E-02	5.00E-06	1.26E-07	1.38E-02	5.20E-06	1.32E-07	1.88E-05	1.04E-05
1268	489635.89, 3859126.54	0.1089231	4.12E-05	1.62E-05	6.06E-02	2.29E-05	9.01E-06	1.18E-02	4.47E-06	1.13E-07	1.22E-02	4.62E-06	1.17E-07	1.62E-05	9.01E-06
1269	489685.89, 3859126.54	0.0962784	3.64E-05	1.43E-05	5.38E-02	2.03E-05	7.99E-06	1.07E-02	4.04E-06	1.02E-07	1.10E-02	4.15E-06	1.05E-07	1.43E-05	7.99E-06
1270	489735.89, 3859126.54	0.0875518	3.31E-05	1.30E-05	4.89E-02	1.85E-05	7.27E-06	9.76E-03	3.69E-06	9.34E-08	9.98E-03	3.77E-06	9.55E-08	1.30E-05	7.27E-06
1271	489785.89, 3859126.54	0.0813209	3.07E-05	1.21E-05	4.54E-02	1.72E-05	6.74E-06	8.98E-03	3.40E-06	8.59E-08	9.16E-03	3.46E-06	8.76E-08	1.21E-05	6.74E-06
1272	489835.89, 3859126.54	0.0765577	2.89E-05	1.14E-05	4.26E-02	1.61E-05	6.33E-06	8.32E-03	3.14E-06	7.96E-08	8.45E-03	3.19E-06	8.08E-08	1.14E-05	6.33E-06
1273	489885.89, 3859126.54	0.0726145	2.75E-05	1.08E-05	4.03E-02	1.53E-05	5.99E-06	7.73E-03	2.92E-06	7.40E-08	7.83E-03	2.96E-06	7.49E-08	1.08E-05	5.99E-06
1274	489935.89, 3859126.54	0.0692481	2.62E-05	1.03E-05	3.84E-02	1.45E-05	5.70E-06	7.24E-03	2.74E-06	6.93E-08	7.32E-03	2.77E-06	7.00E-08	1.03E-05	5.70E-06
1275	489985.89, 3859126.54	0.0663437	2.51E-05	9.85E-06	3.67E-02	1.39E-05	5.45E-06	6.78E-03	2.56E-06	6.48E-08	6.84E-03	2.58E-06	6.54E-08	9.85E-06	5.45E-06
1276	490035.89, 3859126.54	0.0637693	2.41E-05	9.47E-06	3.51E-02	1.33E-05	5.22E-06	6.33E-03	2.39E-06	6.06E-08	6.38E-03	2.41E-06	6.10E-08	9.47E-06	5.22E-06
1277	489585.89, 3859176.54	0.1430458	5.41E-05	2.12E-05	8.05E-02	3.05E-05	1.20E-05	1.69E-02	6.39E-06	1.62E-07	1.78E-02	6.72E-06	1.70E-07	2.13E-05	1.20E-05
1278	489635.89, 3859176.54	0.1289406	4.88E-05	1.92E-05	7.22E-02	2.73E-05	1.07E-05	1.47E-02	5.55E-06	1.40E-07	1.53E-02	5.78E-06	1.46E-07	1.92E-05	1.07E-05
1279	489685.89, 3859176.54	0.1095107	4.14E-05	1.63E-05	6.17E-02	2.33E-05	9.16E-06	1.30E-02	4.90E-06	1.24E-07	1.34E-02	5.08E-06	1.28E-07	1.63E-05	9.17E-06
1280	489735.89, 3859176.54	0.0979334	3.70E-05	1.45E-05	5.52E-02	2.09E-05	8.20E-06	1.16E-02	4.40E-06	1.11E-07	1.20E-02	4.53E-06	1.15E-07	1.45E-05	8.20E-06
1281	489785.89, 3859176.54	0.0898514	3.40E-05	1.33E-05	5.05E-02	1.91E-05	7.50E-06	1.05E-02	3.98E-06	1.01E-07	1.08E-02	4.08E-06	1.03E-07	1.33E-05	7.51E-06
1282	489835.89, 3859176.54	0.0835536	3.16E-05	1.24E-05	4.69E-02	1.77E-05	6.96E-06	9.61E-03	3.63E-06	9.19E-08	9.83E-03	3.72E-06	9.40E-08	1.24E-05	6.96E-06
1283	489885.89, 3859176.54	0.0783337	2.96E-05	1.16E-05	4.38E-02	1.66E-05	6.51E-06	8.84E-03	3.34E-06	8.45E-08	9.02E-03	3.41E-06	8.62E-08	1.16E-05	6.51E-06
1284	489935.89, 3859176.54	0.0739212	2.79E-05	1.10E-05	4.13E-02	1.56E-05	6.13E-06	8.20E-03	3.10E-06	7.84E-08	8.34E-03	3.15E-06	7.98E-08	1.10E-05	6.13E-06
1285	489985.89, 3859176.54	0.0701971	2.65E-05	1.04E-05	3.91E-02	1.48E-05	5.80E-06	7.60E-03	2.87E-06	7.27E-08	7.71E-03	2.92E-06	7.38E-08	1.04E-05	5.80E-06
1286	490035.89, 3859176.54	0.0669963	2.53E-05	9.95E-06	3.72E-02	1.41E-05	5.53E-06	7.12E-03	2.69E-06	6.81E-08	7.22E-03	2.73E-06	6.91E-08	9.95E-06	5.53E-06
1287	489685.89, 3859226.54	0.1319563	4.99E-05	1.96E-05	7.49E-02	2.83E-05	1.11E-05	1.65E-02	6.23E-06	1.58E-07	1.72E-02	6.50E-06	1.65E-07	1.96E-05	1.11E-05
1288	489735.89, 3859226.54	0.1232867	4.66E-05	1.83E-05	6.93E-02	2.62E-05	1.03E-05	1.44E-02	5.43E-06	1.37E-07	1.49E-02	5.64E-06	1.43E-07	1.83E-05	1.03E-05
1289	489785.89, 3859226.54	0.1072854	4.06E-05	1.59E-05	6.04E-02	2.28E-05	8.98E-06	1.27E-02	4.81E-06	1.22E-07	1.32E-02	4.97E-06	1.26E-07	1.59E-05	8.98E-06
1290	489835.89, 3859226.54	0.0956552	3.62E-05	1.42E-05	5.39E-02	2.04E-05	8.01E-06	1.14E-02	4.30E-06	1.09E-07	1.17E-02	4.44E-06	1.12E-07	1.42E-05	8.01E-06
1291	489885.89, 3859226.54	0.0869364	3.29E-05	1.29E-05	4.90E-02	1.85E-05	7.27E-06	1.03E-02	3.90E-06	9.87E-08	1.06E-02	4.01E-06	1.02E-07	1.29E-05	7.28E-06
1292	489935.89, 3859226.54	0.0803378	3.04E-05	1.19E-05	4.52E-02	1.71E-05	6.71E-06	9.43E-03	3.57E-06	9.02E-08	9.67E-03	3.66E-06	9.25E-08	1.19E-05	6.71E-06
1293	489985.89, 3859226.54	0.0752448	2.84E-05	1.12E-05	4.22E-02	1.60E-05	6.27E-06	8.62E-03	3.26E-06	8.24E-08	8.81E-03	3.33E-06	8.43E-08	1.12E-05	6.27E-06
1294	490035.89, 3859226.54	0.0711251	2.69E-05	1.06E-05	3.98E-02	1.50E-05	5.91E-06	8.02E-03	3.03E-06	7.68E-08	8.19E-03	3.10E-06	7.83E-08	1.06E-05	5.91E-06
1295	489735.89, 3859276.54	0.1463741	5.53E-05	2.17E-05	8.34E-02	3.15E-05	1.24E-05	1.88E-02	7.12E-06	1.80E-07	1.98E-02	7.47E-06	1.89E-07	2.18E-05	1.24E-05
1296	489785.89, 3859276.54	0.1359795	5.14E-05	2.02E-05	7.66E-02	2.90E-05	1.14E-05	1.61E-02	6.08E-06	1.54E-07	1.68E-02	6.36E-06	1.61E-07	2.02E-05	1.14E-05
1297	489835.89, 3859276.54	0.113705	4.30E-05	1.69E-05	6.44E-02	2.43E-05	9.56E-06	1.40E-02	5.29E-06	1.34E-07	1.46E-02	5.51E-06	1.39E-07	1.69E-05	9.57E-06
1298	489885.89, 3859276.54	0.0981661	3.71E-05	1.46E-05	5.58E-02	2.11E-05	8.29E-06	1.24E-02	4.70E-06	1.19E-07	1.29E-02	4.87E-06	1.23E-07	1.46E-05	8.29E-06
1299	489935.89, 3859276.54	0.0885752	3.35E-05	1.32E-05	5.03E-02	1.90E-05	7.47E-06	1.11E-02	4.21E-06	1.07E-07	1.15E-02	4.36E-06	1.10E-07	1.32E-05	7.48E-06
1300	489985.89, 3859276.54	0.0818317	3.09E-05	1.22E-05	4.63E-02	1.75E-05	6.87E-06	1.00E-02	3.78E-06	9.56E-08	1.03E-02	3.90E-06	9.86E-08	1.22E-05	6.88E-06
1301	490035.89, 3859276.54	0.0766673	2.90E-05	1.14E-05	4.33E-02	1.64E-05	6.43E-06	9.25E-03	3.50E-06	8.84E-08	9.51E-03	3.59E-06	9.09E-08	1.14E-05	6.43E-06
1302	490458.06, 3859590.74	0.1036578	3.92E-05	1.54E-05	6.05E-02	2.29E-05	8.99E-06	1.56E-02	5.90E-06	1.49E-07	1.64E-02	6.19E-06	1.57E-07	1.54E-05	9.00E-06
1303	490508.06, 3859590.74	0.0906619	3.43E-05	1.35E-05	5.30E-02	2.01E-05	7.88E-06	1.38E-02	5.22E-06	1.32E-07	1.45E-02	5.47E-06	1.38E-07	1.35E-05	7.88E-06
1304	490558.06, 3859590.74	0.081356	3.08E-05	1.21E-05	4.75E-02	1.80E-05	7.06E-06	1.23E-02	4.65E-06	1.18E-07	1.29E-02	4.87E-06	1.23E-07	1.21E-05	7.07E-06
1305	490608.06, 3859590.74	0.074424	2.81E-05	1.11E-05	4.34E-02	1.64E-05	6.44E-06	1.11E-02	4.18E-06	1.06E-07	1.16E-02	4.38E-06	1.11E-07	1.11E-05	6.45E-06
1306	490658.06, 3859590.74	0.0690427	2.61E-05	1.03E-05	4.01E-02	1.52E-05	5.95E-06	1.00E-02	3.79E-06	9.58E-08	1.05E-02	3.96E-06	1.00E-07	1.03E-05	5.96E-06
1307	490708.06, 3859590.74	0.0647067	2.45E-05	9.61E-06	3.74E-02	1.41E-05	5.55E-06	9.13E-03	3.45E-06	8.73E-08	9.54E-03	3.61E-06	9.13E-08	9.61E-06	5.56E-06
1308	490758.06, 3859590.74	0.0611307	2.31E-05	9.08E-06	3.51E-02	1.33E-05	5.22E-06	8.34E-03	3.15E-06	7.98E-08	8.70E-03	3.29E-06	8.33E-08	9.08E-06	5.22E-06
1309	490808.06, 3859590.74	0.0581468	2.20E-05	8.64E-06	3.33E-02	1.26E-05	4.94E-06	7.71E-03	2.91E-06	7.37E-08	8.04E-03	3.04E-06	7.69E-08	8.64E-06	4.95E-06
1310	490858.06, 3859590.74	0.055573	2.10E-05	8.25E-06	3.17E-02	1.20E-05	4.70E-06	7.14E-03	2.70E-06	6.83E-08	7.44E-03	2.81E-06	7.11E-08	8.26E-06	4.71E-06
1311	490458.06, 3859640.74	0.1403339	5.31E-05	2.08E-05	8.28E-02	3.13E-05	1.23E-05	2.25E-02	8.51E-06	2.15E-07	2.38E-02	9.01E-06	2.28E-07	2.09E-05	1.23E-05
1312	490508.06, 3859640.74	0.1233076	4.66E-05	1.83E-05	7.24E-02	2.74E-05	1.08E-05	1.91E-02	7.24E-06	1.83E-07	2.02E-02	7.66E-06	1.94E-07	1.83E-05	1.08E-05

1313	490558.06, 3859640.74	0.1044221	3.95E-05	1.55E-05	6.15E-02	2.33E-05	9.14E-06	1.66E-02	6.28E-06	1.59E-07	1.75E-02	6.63E-06	1.68E-07	1.55E-05	9.15E-06
1314	490608.06, 3859640.74	0.0905328	3.42E-05	1.34E-05	5.34E-02	2.02E-05	7.93E-06	1.44E-02	5.45E-06	1.38E-07	1.52E-02	5.76E-06	1.46E-07	1.35E-05	7.94E-06
1315	490658.06, 3859640.74	0.0807367	3.05E-05	1.20E-05	4.75E-02	1.79E-05	7.05E-06	1.27E-02	4.79E-06	1.21E-07	1.33E-02	5.04E-06	1.28E-07	1.20E-05	7.06E-06
1316	490708.06, 3859640.74	0.0736326	2.78E-05	1.09E-05	4.31E-02	1.63E-05	6.41E-06	1.13E-02	4.28E-06	1.08E-07	1.19E-02	4.51E-06	1.14E-07	1.09E-05	6.41E-06
1317	490758.06, 3859640.74	0.0681178	2.58E-05	1.01E-05	3.97E-02	1.50E-05	5.90E-06	1.02E-02	3.85E-06	9.73E-08	1.07E-02	4.04E-06	1.02E-07	1.01E-05	5.90E-06
1318	490808.06, 3859640.74	0.0638111	2.41E-05	9.48E-06	3.71E-02	1.40E-05	5.50E-06	9.30E-03	3.52E-06	8.89E-08	9.76E-03	3.69E-06	9.34E-08	9.48E-06	5.51E-06
1319	490858.06, 3859640.74	0.060263	2.28E-05	8.95E-06	3.49E-02	1.32E-05	5.18E-06	8.56E-03	3.24E-06	8.19E-08	8.97E-03	3.39E-06	8.58E-08	8.95E-06	5.18E-06
1320	490608.06, 3859690.74	0.1235792	4.67E-05	1.84E-05	7.33E-02	2.77E-05	1.09E-05	2.04E-02	7.72E-06	1.95E-07	2.18E-02	8.23E-06	2.08E-07	1.84E-05	1.09E-05
1321	490658.06, 3859690.74	0.1038032	3.92E-05	1.54E-05	6.16E-02	2.33E-05	9.15E-06	1.71E-02	6.48E-06	1.64E-07	1.82E-02	6.90E-06	1.75E-07	1.54E-05	9.16E-06
1322	490708.06, 3859690.74	0.0897307	3.39E-05	1.33E-05	5.32E-02	2.01E-05	7.91E-06	1.48E-02	5.60E-06	1.42E-07	1.57E-02	5.95E-06	1.50E-07	1.33E-05	7.92E-06
1323	490758.06, 3859690.74	0.0798673	3.02E-05	1.19E-05	4.72E-02	1.79E-05	7.02E-06	1.30E-02	4.90E-06	1.24E-07	1.37E-02	5.20E-06	1.31E-07	1.19E-05	7.02E-06
1324	490808.06, 3859690.74	0.0727619	2.75E-05	1.08E-05	4.29E-02	1.62E-05	6.37E-06	1.16E-02	4.37E-06	1.11E-07	1.22E-02	4.63E-06	1.17E-07	1.08E-05	6.38E-06
1325	490858.06, 3859690.74	0.0674476	2.55E-05	1.00E-05	3.97E-02	1.50E-05	5.89E-06	1.06E-02	4.00E-06	1.01E-07	1.12E-02	4.23E-06	1.07E-07	1.00E-05	5.90E-06
1326	490708.06, 3859740.74	0.1232149	4.66E-05	1.83E-05	7.38E-02	2.79E-05	1.10E-05	2.14E-02	8.09E-06	2.05E-07	2.30E-02	8.71E-06	2.20E-07	1.83E-05	1.10E-05
1327	490758.06, 3859740.74	0.1038212	3.93E-05	1.54E-05	6.23E-02	2.35E-05	9.25E-06	1.82E-02	6.88E-06	1.74E-07	1.95E-02	7.37E-06	1.86E-07	1.54E-05	9.26E-06
1328	490808.06, 3859740.74	0.0896873	3.39E-05	1.33E-05	5.38E-02	2.03E-05	7.99E-06	1.57E-02	5.94E-06	1.50E-07	1.68E-02	6.35E-06	1.61E-07	1.33E-05	8.00E-06
1329	490858.06, 3859740.74	0.0799486	3.02E-05	1.19E-05	4.79E-02	1.81E-05	7.11E-06	1.39E-02	5.24E-06	1.33E-07	1.48E-02	5.58E-06	1.41E-07	1.19E-05	7.12E-06
1330	490786.56, 3859749.39	0.1002919	3.79E-05	1.49E-05	6.03E-02	2.28E-05	8.96E-06	1.78E-02	6.73E-06	1.70E-07	1.91E-02	7.22E-06	1.83E-07	1.49E-05	8.97E-06
1331	490836.56, 3859749.39	0.0873016	3.30E-05	1.30E-05	5.25E-02	1.98E-05	7.79E-06	1.54E-02	5.83E-06	1.48E-07	1.65E-02	6.24E-06	1.58E-07	1.30E-05	7.80E-06
1332	490786.56, 3859799.39	0.1372134	5.19E-05	2.04E-05	8.50E-02	3.22E-05	1.26E-05	2.83E-02	1.07E-05	2.71E-07	3.09E-02	1.17E-05	2.95E-07	2.04E-05	1.27E-05
1333	490836.56, 3859799.39	0.1209777	4.57E-05	1.80E-05	7.36E-02	2.78E-05	1.09E-05	2.29E-02	8.64E-06	2.19E-07	2.49E-02	9.42E-06	2.38E-07	1.80E-05	1.10E-05
1334	492307.84, 3854508.36	0.0164547	6.22E-06	2.44E-06	8.45E-03	3.20E-06	1.26E-06	6.89E-04	2.61E-07	6.59E-09	8.46E-04	3.20E-07	8.09E-09	2.45E-06	1.26E-06
1335	486445.7, 3854753.6	0.0363108	1.37E-05	5.39E-06	1.83E-02	6.94E-06	2.72E-06	1.04E-03	3.93E-07	9.93E-09	2.04E-03	7.72E-07	1.95E-08	5.40E-06	2.73E-06
1336	472599.75, 3877830.11	0.0004014	1.52E-07	5.96E-08	2.36E-04	8.92E-08	3.50E-08	6.27E-05	2.37E-08	5.99E-10	6.53E-05	2.47E-08	6.25E-10	5.96E-08	3.51E-08
1337	493107.48, 3866840.19	0.0016786	6.35E-07	2.49E-07	9.05E-04	3.42E-07	1.34E-07	1.36E-04	5.15E-08	1.30E-09	1.45E-04	5.49E-08	1.39E-09	2.49E-07	1.35E-07
1338	495815.79, 3861662.87	0.012369	4.68E-06	1.84E-06	9.91E-03	3.75E-06	1.47E-06	6.03E-03	2.28E-06	5.76E-08	6.29E-03	2.38E-06	6.02E-08	1.84E-06	1.47E-06
1339	480272.33, 3841389.2	0.0009061	3.43E-07	1.35E-07	5.14E-04	1.94E-07	7.63E-08	1.13E-04	4.26E-08	1.08E-09	1.19E-04	4.51E-08	1.14E-09	1.35E-07	7.64E-08
1340	497005.18, 3862813.64	0.0054368	2.06E-06	8.08E-07	4.00E-03	1.51E-06	5.94E-07	2.10E-03	7.92E-07	2.00E-08	2.20E-03	8.31E-07	2.10E-08	8.09E-07	5.95E-07
1341	493677.33, 3860302.55	0.0174555	6.60E-06	2.59E-06	9.99E-03	3.78E-06	1.48E-06	2.31E-03	8.75E-07	2.21E-08	2.39E-03	9.04E-07	2.29E-08	2.59E-06	1.48E-06
1342	493727.33, 3860302.55	0.0172528	6.52E-06	2.56E-06	9.87E-03	3.73E-06	1.47E-06	2.27E-03	8.60E-07	2.18E-08	2.35E-03	8.88E-07	2.25E-08	2.56E-06	1.47E-06
1343	493777.33, 3860302.55	0.0170773	6.46E-06	2.54E-06	9.75E-03	3.69E-06	1.45E-06	2.23E-03	8.44E-07	2.14E-08	2.30E-03	8.71E-07	2.20E-08	2.54E-06	1.45E-06
1344	493827.33, 3860302.55	0.0169029	6.39E-06	2.51E-06	9.64E-03	3.65E-06	1.43E-06	2.19E-03	8.29E-07	2.10E-08	2.26E-03	8.55E-07	2.16E-08	2.51E-06	1.43E-06
1345	493877.33, 3860302.55	0.0167227	6.32E-06	2.48E-06	9.53E-03	3.60E-06	1.42E-06	2.16E-03	8.17E-07	2.07E-08	2.23E-03	8.42E-07	2.13E-08	2.48E-06	1.42E-06
1346	493927.33, 3860302.55	0.0165231	6.25E-06	2.45E-06	9.42E-03	3.56E-06	1.40E-06	2.13E-03	8.07E-07	2.04E-08	2.20E-03	8.32E-07	2.10E-08	2.45E-06	1.40E-06
1347	493977.33, 3860302.55	0.0164057	6.20E-06	2.44E-06	9.33E-03	3.53E-06	1.39E-06	2.08E-03	7.85E-07	1.99E-08	2.14E-03	8.10E-07	2.05E-08	2.44E-06	1.39E-06
1348	494027.33, 3860302.55	0.0162559	6.15E-06	2.41E-06	9.23E-03	3.49E-06	1.37E-06	2.04E-03	7.71E-07	1.95E-08	2.10E-03	7.94E-07	2.01E-08	2.42E-06	1.37E-06
1349	493677.33, 3860352.55	0.0163914	6.20E-06	2.43E-06	9.52E-03	3.60E-06	1.41E-06	2.39E-03	9.02E-07	2.28E-08	2.47E-03	9.33E-07	2.36E-08	2.44E-06	1.41E-06
1350	493727.33, 3860352.55	0.016213	6.13E-06	2.41E-06	9.41E-03	3.56E-06	1.40E-06	2.35E-03	8.88E-07	2.25E-08	2.43E-03	9.18E-07	2.32E-08	2.41E-06	1.40E-06
1351	493777.33, 3860352.55	0.0160347	6.06E-06	2.38E-06	9.30E-03	3.52E-06	1.38E-06	2.31E-03	8.75E-07	2.21E-08	2.39E-03	9.04E-07	2.29E-08	2.38E-06	1.38E-06
1352	493827.33, 3860352.55	0.0158704	6.00E-06	2.36E-06	9.19E-03	3.48E-06	1.37E-06	2.28E-03	8.61E-07	2.18E-08	2.35E-03	8.89E-07	2.25E-08	2.36E-06	1.37E-06
1353	493877.33, 3860352.55	0.0157162	5.94E-06	2.33E-06	9.09E-03	3.44E-06	1.35E-06	2.23E-03	8.45E-07	2.14E-08	2.31E-03	8.72E-07	2.21E-08	2.34E-06	1.35E-06
1354	493927.33, 3860352.55	0.0155843	5.89E-06	2.31E-06	9.00E-03	3.40E-06	1.34E-06	2.19E-03	8.26E-07	2.09E-08	2.26E-03	8.53E-07	2.16E-08	2.32E-06	1.34E-06
1355	493977.33, 3860352.55	0.0154493	5.84E-06	2.29E-06	8.90E-03	3.36E-06	1.32E-06	2.13E-03	8.07E-07	2.04E-08	2.20E-03	8.33E-07	2.11E-08	2.30E-06	1.32E-06
1356	494027.33, 3860352.55	0.015305	5.79E-06	2.27E-06	8.81E-03	3.33E-06	1.31E-06	2.10E-03	7.95E-07	2.01E-08	2.17E-03	8.20E-07	2.08E-08	2.27E-06	1.31E-06
1357	493677.33, 3860402.55	0.0158514	5.99E-06	2.35E-06	9.31E-03	3.52E-06	1.38E-06	2.48E-03	9.36E-07	2.37E-08	2.56E-03	9.70E-07	2.45E-08	2.36E-06	1.38E-06
1358	493727.33, 3860402.55	0.0156728	5.93E-06	2.33E-06	9.20E-03	3.48E-06	1.37E-06	2.44E-03	9.22E-07	2.33E-08	2.52E-03	9.54E-07	2.41E-08	2.33E-06	1.37E-06
1359	493777.33, 3860402.55	0.0155245	5.87E-06	2.31E-06	9.09E-03	3.44E-06	1.35E-06	2.37E-03	8.98E-07	2.27E-08	2.46E-03	9.29E-07	2.35E-08	2.31E-06	1.35E-06
1360	493827.33, 3860402.55	0.0153604	5.81E-06	2.28E-06	8.99E-03	3.40E-06	1.34E-06	2.35E-03	8.88E-07	2.25E-08	2.43E-03	9.18E-07	2.32E-08	2.28E-06	1.34E-06
1361	493877.33, 3860402.55	0.0152001	5.75E-06	2.26E-06	8.89E-03	3.36E-06	1.32E-06	2.31E-03	8.74E-07	2.21E-08	2.39E-03	9.03E-07	2.29E-08	2.26E-06	1.32E-06
1362	493927.33, 3860402.55	0.0150711	5.70E-06	2.24E-06	8.79E-03	3.32E-06	1.31E-06	2.25E-03	8.52E-07	2.16E-08	2.33E-03	8.81E-07	2.23E-08	2.24E-06	1.31E-06
1363	493977.33, 3860402.55	0.0149448	5.65E-06	2.22E-06	8.69E-03	3.29E-06	1.29E-06	2.20E-03	8.31E-07	2.10E-08	2.27E-03	8.58E-07	2.17E-08	2.22E-06	1.29E-06
1364	494027.33, 3860402.55	0.0148072	5.60E-06	2.20E-06	8.61E-03	3.25E-06	1.28E-06	2.17E-03	8.20E-07	2.08E-08	2.24E-03	8.47E-07	2.14E-08	2.20E-06	1.28E-06
1365	493677.33, 3860452.55	0.0154473	5.84E-06	2.29E-06	9.17E-03	3.47E-06	1.36E-06	2.56E-03	9.67E-07	2.45E-08	2.65E-03	1.00E-06	2.53E-08	2.30E-06	1.36E-06
1366	493727.33, 3860452.55	0.0152723	5.77E-06	2.27E-06	9.07E-03	3.43E-06	1.35E-06	2.53E-03	9.57E-07	2.42E-08	2.62E-03	9.92E-07	2.51E-08	2.27E-06	1.35E-06
1367	493777.33, 3860452.55	0.0151033	5.71E-06	2.24E-06	8.96E-03	3.39E-06	1.33E-06	2.49E-03	9.41E-07	2.38E-08	2.58E-03	9.74E-07	2.47E-08	2.24E-06	1.33E-06
1368	493827.33, 3860452.55	0.0149634	5.66E-06	2.22E-06	8.85E-03	3.35E-06	1.32E-06	2.43E-03	9.20E-07	2.33E-08	2.52E-03	9.52E-07	2.41E-08	2.22E-06	1.32E-06
1369	493877.33, 3860452.55	0.0148154	5.60E-06	2.20E-06	8.75E-03	3.31E-06	1.30E-06	2.38E-03	9.01E-07	2.28E-08	2.46E-03	9.32E-07	2.36E-08	2.20E-06	1.30E-06
1370	493927.33, 3860452.55	0.0147043	5.56E-06	2.18E-06	8.65E-03	3.27E-06	1.29E-06	2.32E-03	8.76E-07	2.22E-08	2.40E-03	9.06E-07	2.29E-08	2.18E-06	1.29E-06
1371	493977.33, 3860452.55	0.0145595	5.50E-06	2.16E-06	8.56E-03	3.24E-06	1.27E-06	2.28E-03	8.62E-07	2.18E-08	2.36E-03	8.91E-07	2.25E-08	2.16E-06	1.27E-06
1372	494027.33, 3860452.55	0.0144296	5.46E-06	2.14E-06	8.47E-03	3.20E-06	1.26E-06	2.25E-03	8.49E-07	2.15E-08	2.32E-03	8.78E-07	2.22E-08	2.14E-06	1.26E-06
1373	493677.33, 3860502.55	0.0151011	5.71E-06	2.24E-06	9.06E-03	3.43E-06	1.35E-06	2.65E-03	1.00E-06	2.53E-08	2.75E-03	1.04E-06	2.63E-08	2.24E-06	1.35E-06
1374	493727.33, 3860502.55	0.0149321	5.65E-06	2.22E-06	8.96E-03	3.39E-06	1.33E-06	2.62E-03	9.89E-07	2.50E-08	2.71E-03	1.03E-06	2.59E-08	2.22E-06	1.33E-06
1375	493777.33, 3860502.55	0.0147737	5.59E-06	2.19E-06	8.85E-03	3.35E-06	1.31E-06	2.57E-03	9.71E-07	2.46E-08	2.66E-03	1.01E-06	2.55E-08	2.20E-06	1.32E-06
1376	493827.33, 3860502.55	0.014633	5.53E-06	2.17E-06	8.75E-03	3.31E-06	1.30E-06	2.53E-03	9.55E-07	2.42E-08	2.61E-03	9.89E-07	2.50E-08	2.17E-06	1.30E-06
1377	493877.33, 3860502.55	0.0144895	5.48E-06	2.15E-06	8.65E-03	3.27E-06	1.28E-06	2.47E-03	9.33E-07	2.36E-08	2.56E-03	9.66E-07	2.45E-08	2.15E-06	1.28E-06
1378	493927.33, 3860502.55	0.0143696	5.43E-06	2.13E-06	8.55E-03	3.23E-06	1.27E-06	2.41E-03	9.10E-07	2.30E-08	2.49E-03	9.42E-07	2.38E-08	2.14E-06	1.27E-06
1379	493977.33, 3860502.55	0.0142267	5.38E-06	2.11E-06	8.46E-03	3.20E-06	1.26E-06	2.37E-03	8.97E-07	2.27E-08	2.45E-03	9.28E-07	2.35E-08	2.11E-06	1.26E-06
1380	494027.33, 3860502.55	0.0141058	5.33E-06	2.10E-06	8.37E-03	3.17E-06	1.24E-06	2.33E-03	8.82E-07	2.23E-08	2.41E-03	9.12E-07	2.31E-08	2.10E-06	1.24E-06
1381	493627.33, 3860552.55	0.0149534	5.65E-06	2.22E-06	9.09E-03	3.44E-06	1.35E-06	2.80E-03	1.06E-06	2.68E-08	2.91E-03	1.10E-06	2.78E-08	2.22E-06	1.35E-06
1382	493677.33, 3860552.55	0.0147773	5.59E-06	2.19E-06	8.98E-03	3.39E-06	1.33E-06	2.76E-03	1.05E-06	2.64E-08	2.87E-03	1.08E-06	2.74E-08	2.20E-06	1.33E-06
1383	493727.33, 3860552.55	0.0146249	5.53E-06	2.17E-06	8.88E-03	3.36E-06	1.32E-06	2.72E-03	1.03E-06	2.60E-08	2.82E-03	1.07E-06	2.70E-08	2.17E-06	1.32E-06
1384	493777.33, 3860552.55	0.0144732	5.47E-06	2.15E-06	8.77E-03	3.31E-06	1.30E-06	2.67E-03	1.01E-06	2.55E-08	2.77E-03	1.05E-06	2.65E-08	2.15E-06	1.30E-06
1385	493827.33, 3860552.55	0.0143394	5.42E-06	2.13E-06	8.66E-03	3.28E-06	1.29E-06	2.61E-03	9.86E-07	2.49E-08	2.70E-03	1.02E-06	2.59E-08	2.13E-06	1.29E-06
1386	493877.33, 3860552.55	0.0141892	5.36E-06	2.11E-06	8.56E-03	3.24E-06	1.27E-06	2.57E-03	9.71E-07	2.46E-08	2.66E-03	1.01E-06	2.55E-08	2.11E-06	1.27E-06
1387	493927.33, 3860552.55	0.0140632	5.32E-06	2.09E-06	8.47E-03	3.20E-06	1.26E-06	2.51E-03	9.50E-07	2.40E-08	2.61E-03	9.85E-07	2.49E-08	2.09E-06	1.26E-06
1388	493977.33, 3860552.55	0.0139491	5.27E-06	2.07E-06	8.38E-03	3.17E-06	1.24E-06	2.46E-03	9.29E-07	2.35E-08	2.54E-03	9.62E-07	2.43E-08	2.07E-06	1.24E-06
1389	494027.33, 3860552.55	0.0138208	5.23E-06	2.05E-06	8.29E-03	3.13E-06	1.23E-06	2.42E-03	9.16E-07	2.32E-08	2.51E-03	9.48E-07	2.40E-08	2.05E-06	1.23E-06
1390	493627.33, 3860602.55	0.0146642	5.54E-06	2.18E-06	9.02E-03	3.41E-06	1.34E-06	2.92E-03	1.10E-06	2.79E-08	3.03E-03	1.15E-06	2.90E-08	2.18E-06	1.34E-06
1391	493727.33, 3860602.55	0.0143443	5.42E-06	2.13E-06	8.82E-03	3.33E-06	1.31E-06	2.84E-03	1.07E-06	2.72E-08	2.95E-03	1.12E-06	2.82E-08	2.13E-06	1.31E-06
1392	493777.33, 3860602.55	0.0141994	5.37E-06	2.11E-06	8.70E-03	3.29E-06	1.29E-06	2.77E-03	1.05E-06	2.65E-08	2.88E-03	1.09E-06	2.75E-08	2.11E-06	1.29E-06
1393	493827.33, 3860602.55	0.0140639	5.32E-06	2.09E-06	8.60E-03	3.25E-06	1.28E-06	2.72E-03	1.03E-06	2.60E-08	2.82E-03	1.07E-06	2.70E-08	2.09E-06	1.28E-06
1394	493877.33, 3860602.55	0.0139423	5.27E-06	2.07E-06	8.50E-03	3.21E-06	1.26E-06	2.66E-03	1.00E-06	2.54E-08	2.76E-03	1.04E-06	2.64E-08	2.07E-06	1.26E-06
1395	493927.33, 3860602.55	0.0138067	5.22E-06	2.05E-06	8.40E-03	3.18E-06	1.25E-06	2.61E-03	9.85E-07	2.49E-08	2.70E-03	1.02E-06	2.58E-08	2.05E-06	1.25E-06
1396	493977.33, 3860602.55	0.0136851	5.17E-06	2.03E-06	8.31E-03	3.14E-06	1.23E-06	2.55E-03	9.65E-07	2.44E-08	2.65E-03	1.00E-06	2.53E-08	2.03E-06	1.24E-06
1397	494027.33, 3860602.55	0.013559	5.13E-06	2.01E-06	8.23E-03	3.11E-06	1.22E-06	2.52E-03	9.53E-07	2.41E-08	2.61E-03	9.87E-07	2.50E-08	2.01E-06	1.22E-06
1398	493627.33, 3860652.55	0.0144051	5.45E-06	2.14E-06	8.98E-03	3.39E-06	1.33E-06	3.05E-03	1.15E-06	2.92E-08	3.17E-03	1.20E-06	3.03E-08	2.14E-06	1.33E-06
1399	493727.33, 3860652.55	0.0140986	5.33E-06	2.09E-06	8.77E-03	3.32E-06	1.30E-06	2.96E-03	1.12E-06	2.83E-08	3.08E-03	1.16E-06	2.94E-08	2.10E-06	1.30E-06
1400	493777.33, 3860652.55	0.0139578	5.28E-06	2.07E-06	8.66E-03	3.27E-06	1.29E-06	2.89E-03	1.09E-06	2.77E-08	3.01E-03	1.14E-06	2.87E-08	2.07E-06	1.29E-06
1401	493827.33, 3860652.55	0.013821	5.23E-06	2.05E-06	8.55E-03	3.23E-06	1.27E-06	2.83E-03	1.07E-06	2.71E-08	2.94E-03	1.11E-06	2.81E-08	2.05E-06	1.27E-06
1402	493877.33, 3860652.55	0.0136942	5.18E-06	2.03E-06	8.45E-03	3.19E-06	1.25E-06	2.76E-03	1.04E-06	2.64E-08	2.87E-03	1.08E-06	2.74E-08	2.04E-06	1.26E-06
1403	493927.33, 3860652.55	0.0135726	5.13E-06	2.02E-06	8.36E-03	3.16E-06	1.24E-06	2.71E-03	1.02E-06	2.59E-08	2.81E-03	1.06E-06	2.69E-08	2.02E-06	1.24E-06
1404	493977.33, 3860652.55	0.0134569	5.09E-06	2.00E-06	8.27E-03	3.13E-06	1.23E-06	2.66E-03	1.01E-06	2.55E-08	2.76E-03	1.04E-06	2.64E-08	2.00E-06	1.23E-06
1405	494027.33, 3860652.55	0.0133435	5.04E-06	1.98E-06	8.18E-03	3.09E-06	1.21E-06	2.61E-03	9.86E-07	2.49E-08	2.70E-03	1.02E-06	2.59E-08	1.98E-06	1.22E-06
1406	494311.06, 3858401.99	0.0172251	6.51E-06	2.56E-06	8.85E-03	3.35E-06	1.32E-06	7.27E-04	2.75E-07	6.95E-09	7.49E-04	2.83E-07	7.17E-09	2.56E-06	1.32E-06

1407	494361.06, 3858401.99	0.016954	6.41E-06	2.52E-06	8.72E-03	3.30E-06	1.29E-06	7.21E-04	2.72E-07	6.89E-09	7.43E-04	2.81E-07	7.10E-09	2.52E-06	1.30E-06
1408	494411.06, 3858401.99	0.0167525	6.33E-06	2.49E-06	8.62E-03	3.26E-06	1.28E-06	7.14E-04	2.70E-07	6.83E-09	7.38E-04	2.79E-07	7.06E-09	2.49E-06	1.28E-06
1409	494461.06, 3858401.99	0.0166515	6.30E-06	2.47E-06	8.56E-03	3.24E-06	1.27E-06	7.11E-04	2.69E-07	6.80E-09	7.35E-04	2.78E-07	7.03E-09	2.47E-06	1.27E-06
1410	494511.06, 3858401.99	0.0164382	6.21E-06	2.44E-06	8.46E-03	3.20E-06	1.26E-06	7.06E-04	2.67E-07	6.76E-09	7.28E-04	2.75E-07	6.96E-09	2.44E-06	1.26E-06
1411	494561.06, 3858401.99	0.0163237	6.17E-06	2.42E-06	8.40E-03	3.18E-06	1.25E-06	7.03E-04	2.66E-07	6.73E-09	7.25E-04	2.74E-07	6.93E-09	2.42E-06	1.25E-06
1412	494611.06, 3858401.99	0.0160677	6.07E-06	2.39E-06	8.27E-03	3.13E-06	1.23E-06	6.97E-04	2.64E-07	6.67E-09	7.20E-04	2.72E-07	6.89E-09	2.39E-06	1.23E-06
1413	494661.06, 3858401.99	0.0158931	6.01E-06	2.36E-06	8.18E-03	3.09E-06	1.22E-06	6.92E-04	2.62E-07	6.62E-09	7.15E-04	2.70E-07	6.84E-09	2.36E-06	1.22E-06
1414	494711.06, 3858401.99	0.0156497	5.92E-06	2.32E-06	8.06E-03	3.05E-06	1.20E-06	6.86E-04	2.59E-07	6.56E-09	7.08E-04	2.68E-07	6.78E-09	2.32E-06	1.20E-06
1415	494761.06, 3858401.99	0.0155075	5.86E-06	2.30E-06	7.99E-03	3.02E-06	1.19E-06	6.83E-04	2.58E-07	6.53E-09	7.05E-04	2.67E-07	6.75E-09	2.30E-06	1.19E-06
1416	494811.06, 3858401.99	0.0153082	5.79E-06	2.27E-06	7.89E-03	2.98E-06	1.17E-06	6.78E-04	2.56E-07	6.49E-09	6.99E-04	2.64E-07	6.68E-09	2.27E-06	1.17E-06
1417	494861.06, 3858401.99	0.0151364	5.72E-06	2.25E-06	7.80E-03	2.95E-06	1.16E-06	6.74E-04	2.55E-07	6.44E-09	6.95E-04	2.63E-07	6.65E-09	2.25E-06	1.16E-06
1418	494911.06, 3858401.99	0.0149647	5.66E-06	2.22E-06	7.72E-03	2.92E-06	1.15E-06	6.69E-04	2.53E-07	6.40E-09	6.90E-04	2.61E-07	6.60E-09	2.22E-06	1.15E-06
1419	494961.06, 3858401.99	0.0147927	5.59E-06	2.20E-06	7.63E-03	2.88E-06	1.13E-06	6.64E-04	2.51E-07	6.35E-09	6.86E-04	2.59E-07	6.56E-09	2.20E-06	1.13E-06
1420	495011.06, 3858401.99	0.0145795	5.51E-06	2.17E-06	7.52E-03	2.84E-06	1.12E-06	6.60E-04	2.49E-07	6.31E-09	6.79E-04	2.57E-07	6.50E-09	2.17E-06	1.12E-06
1421	495061.06, 3858401.99	0.0144078	5.45E-06	2.14E-06	7.44E-03	2.81E-06	1.10E-06	6.55E-04	2.48E-07	6.26E-09	6.74E-04	2.55E-07	6.45E-09	2.14E-06	1.10E-06
1422	495111.06, 3858401.99	0.0141077	5.33E-06	2.10E-06	7.28E-03	2.75E-06	1.08E-06	6.47E-04	2.45E-07	6.19E-09	6.66E-04	2.52E-07	6.37E-09	2.10E-06	1.08E-06
1423	495161.06, 3858401.99	0.0140216	5.30E-06	2.08E-06	7.24E-03	2.74E-06	1.08E-06	6.44E-04	2.43E-07	6.16E-09	6.64E-04	2.51E-07	6.35E-09	2.08E-06	1.08E-06
1424	495211.06, 3858401.99	0.0137646	5.20E-06	2.04E-06	7.11E-03	2.69E-06	1.06E-06	6.38E-04	2.41E-07	6.10E-09	6.56E-04	2.48E-07	6.28E-09	2.04E-06	1.06E-06
1425	495261.06, 3858401.99	0.0136073	5.14E-06	2.02E-06	7.03E-03	2.66E-06	1.04E-06	6.33E-04	2.39E-07	6.05E-09	6.53E-04	2.47E-07	6.25E-09	2.02E-06	1.04E-06
1426	495311.06, 3858401.99	0.0134522	5.09E-06	2.00E-06	6.95E-03	2.63E-06	1.03E-06	6.30E-04	2.38E-07	6.02E-09	6.48E-04	2.45E-07	6.20E-09	2.00E-06	1.03E-06
1427	495361.06, 3858401.99	0.013339	5.04E-06	1.98E-06	6.90E-03	2.61E-06	1.02E-06	6.27E-04	2.37E-07	5.99E-09	6.45E-04	2.44E-07	6.17E-09	1.98E-06	1.02E-06
1428	495411.06, 3858401.99	0.0132673	5.02E-06	1.97E-06	6.86E-03	2.59E-06	1.02E-06	6.23E-04	2.36E-07	5.96E-09	6.43E-04	2.43E-07	6.15E-09	1.97E-06	1.02E-06
1429	495461.06, 3858401.99	0.0132121	5.00E-06	1.96E-06	6.83E-03	2.58E-06	1.01E-06	6.22E-04	2.35E-07	5.95E-09	6.41E-04	2.43E-07	6.14E-09	1.96E-06	1.02E-06
1430	495511.06, 3858401.99	0.0131431	4.97E-06	1.95E-06	6.80E-03	2.57E-06	1.01E-06	6.20E-04	2.35E-07	5.93E-09	6.38E-04	2.41E-07	6.10E-09	1.95E-06	1.01E-06
1431	495561.06, 3858401.99	0.0130284	4.93E-06	1.94E-06	6.74E-03	2.55E-06	1.00E-06	6.16E-04	2.33E-07	5.89E-09	6.35E-04	2.40E-07	6.07E-09	1.94E-06	1.00E-06
1432	495611.06, 3858401.99	0.0129741	4.91E-06	1.93E-06	6.71E-03	2.54E-06	9.97E-07	6.14E-04	2.32E-07	5.87E-09	6.32E-04	2.39E-07	6.04E-09	1.93E-06	9.97E-07
1433	495661.06, 3858401.99	0.0129808	4.91E-06	1.93E-06	6.72E-03	2.54E-06	9.98E-07	6.16E-04	2.33E-07	5.89E-09	6.33E-04	2.39E-07	6.06E-09	1.93E-06	9.98E-07
1434	494311.06, 3858451.99	0.0176044	6.66E-06	2.61E-06	9.05E-03	3.42E-06	1.34E-06	7.44E-04	2.81E-07	7.12E-09	7.69E-04	2.91E-07	7.35E-09	2.62E-06	1.34E-06
1435	494361.06, 3858451.99	0.017375	6.57E-06	2.58E-06	8.93E-03	3.38E-06	1.33E-06	7.38E-04	2.79E-07	7.06E-09	7.62E-04	2.88E-07	7.29E-09	2.58E-06	1.33E-06
1436	494411.06, 3858451.99	0.0171754	6.49E-06	2.55E-06	8.83E-03	3.34E-06	1.31E-06	7.33E-04	2.77E-07	7.01E-09	7.56E-04	2.86E-07	7.23E-09	2.55E-06	1.31E-06
1437	494461.06, 3858451.99	0.0170016	6.43E-06	2.53E-06	8.74E-03	3.31E-06	1.30E-06	7.27E-04	2.75E-07	6.95E-09	7.51E-04	2.84E-07	7.18E-09	2.53E-06	1.30E-06
1438	494511.06, 3858451.99	0.0168734	6.38E-06	2.51E-06	8.68E-03	3.28E-06	1.29E-06	7.24E-04	2.74E-07	6.92E-09	7.48E-04	2.83E-07	7.15E-09	2.51E-06	1.29E-06
1439	494561.06, 3858451.99	0.0166582	6.30E-06	2.47E-06	8.57E-03	3.24E-06	1.27E-06	7.17E-04	2.71E-07	6.86E-09	7.41E-04	2.80E-07	7.09E-09	2.47E-06	1.27E-06
1440	494611.06, 3858451.99	0.0164864	6.23E-06	2.45E-06	8.48E-03	3.21E-06	1.26E-06	7.13E-04	2.69E-07	6.82E-09	7.36E-04	2.78E-07	7.04E-09	2.45E-06	1.26E-06
1441	494661.06, 3858451.99	0.016301	6.16E-06	2.42E-06	8.39E-03	3.17E-06	1.25E-06	7.08E-04	2.68E-07	6.77E-09	7.31E-04	2.76E-07	6.99E-09	2.42E-06	1.25E-06
1442	494711.06, 3858451.99	0.0160854	6.08E-06	2.39E-06	8.28E-03	3.13E-06	1.23E-06	7.02E-04	2.65E-07	6.71E-09	7.26E-04	2.75E-07	6.95E-09	2.39E-06	1.23E-06
1443	494761.06, 3858451.99	0.015872	6.00E-06	2.36E-06	8.18E-03	3.09E-06	1.21E-06	6.97E-04	2.64E-07	6.67E-09	7.20E-04	2.72E-07	6.89E-09	2.36E-06	1.21E-06
1444	494811.06, 3858451.99	0.015632	5.91E-06	2.32E-06	8.06E-03	3.05E-06	1.20E-06	6.92E-04	2.62E-07	6.62E-09	7.15E-04	2.70E-07	6.84E-09	2.32E-06	1.20E-06
1445	494861.06, 3858451.99	0.0154278	5.83E-06	2.29E-06	7.95E-03	3.01E-06	1.18E-06	6.86E-04	2.59E-07	6.56E-09	7.08E-04	2.68E-07	6.78E-09	2.29E-06	1.18E-06
1446	494911.06, 3858451.99	0.0152256	5.76E-06	2.26E-06	7.85E-03	2.97E-06	1.17E-06	6.80E-04	2.57E-07	6.50E-09	7.02E-04	2.65E-07	6.71E-09	2.26E-06	1.17E-06
1447	494961.06, 3858451.99	0.0149855	5.67E-06	2.23E-06	7.73E-03	2.92E-06	1.15E-06	6.75E-04	2.55E-07	6.46E-09	6.97E-04	2.64E-07	6.67E-09	2.23E-06	1.15E-06
1448	495011.06, 3858451.99	0.0147564	5.58E-06	2.19E-06	7.61E-03	2.88E-06	1.13E-06	6.69E-04	2.53E-07	6.40E-09	6.90E-04	2.61E-07	6.60E-09	2.19E-06	1.13E-06
1449	495061.06, 3858451.99	0.0146422	5.54E-06	2.17E-06	7.56E-03	2.86E-06	1.12E-06	6.66E-04	2.52E-07	6.37E-09	6.87E-04	2.60E-07	6.57E-09	2.18E-06	1.12E-06
1450	495111.06, 3858451.99	0.0144139	5.45E-06	2.14E-06	7.44E-03	2.81E-06	1.11E-06	6.60E-04	2.49E-07	6.31E-09	6.81E-04	2.57E-07	6.51E-09	2.14E-06	1.11E-06
1451	495161.06, 3858451.99	0.0141712	5.36E-06	2.10E-06	7.32E-03	2.77E-06	1.09E-06	6.53E-04	2.47E-07	6.25E-09	6.74E-04	2.55E-07	6.45E-09	2.11E-06	1.09E-06
1452	495211.06, 3858451.99	0.0139448	5.27E-06	2.07E-06	7.21E-03	2.72E-06	1.07E-06	6.49E-04	2.45E-07	6.20E-09	6.68E-04	2.52E-07	6.39E-09	2.07E-06	1.07E-06
1453	495261.06, 3858451.99	0.0138013	5.22E-06	2.05E-06	7.13E-03	2.70E-06	1.06E-06	6.44E-04	2.43E-07	6.16E-09	6.63E-04	2.51E-07	6.34E-09	2.05E-06	1.06E-06
1454	495311.06, 3858451.99	0.0136722	5.17E-06	2.03E-06	7.07E-03	2.67E-06	1.05E-06	6.39E-04	2.42E-07	6.11E-09	6.59E-04	2.49E-07	6.31E-09	2.03E-06	1.05E-06
1455	495361.06, 3858451.99	0.013559	5.13E-06	2.01E-06	7.01E-03	2.65E-06	1.04E-06	6.36E-04	2.40E-07	6.08E-09	6.56E-04	2.48E-07	6.28E-09	2.01E-06	1.04E-06
1456	495411.06, 3858451.99	0.0134899	5.10E-06	2.00E-06	6.98E-03	2.64E-06	1.04E-06	6.34E-04	2.40E-07	6.07E-09	6.55E-04	2.47E-07	6.26E-09	2.00E-06	1.04E-06
1457	495461.06, 3858451.99	0.0134486	5.08E-06	2.00E-06	6.95E-03	2.63E-06	1.03E-06	6.33E-04	2.39E-07	6.05E-09	6.53E-04	2.47E-07	6.25E-09	2.00E-06	1.03E-06
1458	495511.06, 3858451.99	0.0133224	5.04E-06	1.98E-06	6.89E-03	2.61E-06	1.02E-06	6.30E-04	2.38E-07	6.02E-09	6.50E-04	2.46E-07	6.21E-09	1.98E-06	1.02E-06
1459	495561.06, 3858451.99	0.0133105	5.03E-06	1.98E-06	6.88E-03	2.60E-06	1.02E-06	6.28E-04	2.38E-07	6.01E-09	6.48E-04	2.45E-07	6.20E-09	1.98E-06	1.02E-06
1460	495611.06, 3858451.99	0.0131712	4.98E-06	1.96E-06	6.81E-03	2.58E-06	1.01E-06	6.25E-04	2.36E-07	5.98E-09	6.45E-04	2.44E-07	6.17E-09	1.96E-06	1.01E-06
1461	495661.06, 3858451.99	0.013132	4.96E-06	1.95E-06	6.79E-03	2.57E-06	1.01E-06	6.23E-04	2.36E-07	5.96E-09	6.43E-04	2.43E-07	6.15E-09	1.95E-06	1.01E-06
1462	494311.06, 3858501.99	0.0177579	6.71E-06	2.64E-06	9.13E-03	3.45E-06	1.36E-06	7.58E-04	2.87E-07	7.25E-09	7.82E-04	2.96E-07	7.48E-09	2.64E-06	1.36E-06
1463	494361.06, 3858501.99	0.0175862	6.65E-06	2.61E-06	9.05E-03	3.42E-06	1.34E-06	7.53E-04	2.85E-07	7.21E-09	7.77E-04	2.94E-07	7.43E-09	2.61E-06	1.34E-06
1464	494411.06, 3858501.99	0.0173989	6.58E-06	2.58E-06	8.95E-03	3.38E-06	1.33E-06	7.47E-04	2.83E-07	7.15E-09	7.70E-04	2.91E-07	7.37E-09	2.58E-06	1.33E-06
1465	494461.06, 3858501.99	0.0172552	6.52E-06	2.56E-06	8.88E-03	3.36E-06	1.32E-06	7.43E-04	2.81E-07	7.10E-09	7.67E-04	2.90E-07	7.34E-09	2.56E-06	1.32E-06
1466	494511.06, 3858501.99	0.017026	6.44E-06	2.53E-06	8.76E-03	3.31E-06	1.30E-06	7.36E-04	2.78E-07	7.04E-09	7.59E-04	2.87E-07	7.26E-09	2.53E-06	1.30E-06
1467	494561.06, 3858501.99	0.0169973	6.43E-06	2.52E-06	8.75E-03	3.31E-06	1.30E-06	7.35E-04	2.78E-07	7.03E-09	7.59E-04	2.87E-07	7.26E-09	2.52E-06	1.30E-06
1468	494611.06, 3858501.99	0.0167959	6.35E-06	2.49E-06	8.65E-03	3.27E-06	1.28E-06	7.28E-04	2.75E-07	6.97E-09	7.52E-04	2.85E-07	7.20E-09	2.49E-06	1.28E-06
1469	494661.06, 3858501.99	0.0166522	6.30E-06	2.47E-06	8.57E-03	3.24E-06	1.27E-06	7.24E-04	2.74E-07	6.92E-09	7.48E-04	2.83E-07	7.15E-09	2.47E-06	1.27E-06
1470	494711.06, 3858501.99	0.0164232	6.21E-06	2.44E-06	8.46E-03	3.20E-06	1.26E-06	7.17E-04	2.71E-07	6.86E-09	7.41E-04	2.80E-07	7.09E-09	2.44E-06	1.26E-06
1471	494761.06, 3858501.99	0.0161797	6.12E-06	2.40E-06	8.33E-03	3.15E-06	1.24E-06	7.11E-04	2.69E-07	6.80E-09	7.35E-04	2.78E-07	7.03E-09	2.40E-06	1.24E-06
1472	494811.06, 3858501.99	0.015937	6.03E-06	2.37E-06	8.21E-03	3.10E-06	1.22E-06	7.05E-04	2.67E-07	6.74E-09	7.28E-04	2.75E-07	6.96E-09	2.37E-06	1.22E-06
1473	494861.06, 3858501.99	0.0157792	5.97E-06	2.34E-06	8.13E-03	3.07E-06	1.21E-06	7.00E-04	2.65E-07	6.70E-09	7.23E-04	2.73E-07	6.92E-09	2.34E-06	1.21E-06
1474	494911.06, 3858501.99	0.0154243	5.83E-06	2.29E-06	7.95E-03	3.01E-06	1.18E-06	6.92E-04	2.62E-07	6.62E-09	7.15E-04	2.70E-07	6.84E-09	2.29E-06	1.18E-06
1475	494961.06, 3858501.99	0.01525	5.77E-06	2.27E-06	7.87E-03	2.97E-06	1.17E-06	6.88E-04	2.60E-07	6.58E-09	7.10E-04	2.68E-07	6.79E-09	2.27E-06	1.17E-06
1476	495011.06, 3858501.99	0.0149932	5.67E-06	2.23E-06	7.74E-03	2.93E-06	1.15E-06	6.81E-04	2.58E-07	6.52E-09	7.04E-04	2.66E-07	6.73E-09	2.23E-06	1.15E-06
1477	495061.06, 3858501.99	0.0148636	5.62E-06	2.21E-06	7.67E-03	2.90E-06	1.14E-06	6.77E-04	2.56E-07	6.47E-09	6.99E-04	2.64E-07	6.68E-09	2.21E-06	1.14E-06
1478	495111.06, 3858501.99	0.0145499	5.50E-06	2.16E-06	7.51E-03	2.84E-06	1.12E-06	6.69E-04	2.53E-07	6.40E-09	6.90E-04	2.61E-07	6.60E-09	2.16E-06	1.12E-06
1479	495161.06, 3858501.99	0.014351	5.43E-06	2.13E-06	7.41E-03	2.80E-06	1.10E-06	6.64E-04	2.51E-07	6.35E-09	6.84E-04	2.59E-07	6.54E-09	2.13E-06	1.10E-06
1480	495211.06, 3858501.99	0.0141368	5.34E-06	2.10E-06	7.31E-03	2.76E-06	1.09E-06	6.58E-04	2.49E-07	6.29E-09	6.79E-04	2.57E-07	6.50E-09	2.10E-06	1.09E-06
1481	495261.06, 3858501.99	0.0139954	5.29E-06	2.08E-06	7.23E-03	2.74E-06	1.07E-06	6.55E-04	2.48E-07	6.26E-09	6.74E-04	2.55E-07	6.45E-09	2.08E-06	1.07E-06
1482	495311.06, 3858501.99	0.0138963	5.25E-06	2.06E-06	7.18E-03	2.72E-06	1.07E-06	6.52E-04	2.46E-07	6.23E-09	6.71E-04	2.54E-07	6.42E-09	2.06E-06	1.07E-06
1483	495361.06, 3858501.99	0.0137976	5.22E-06	2.05E-06	7.13E-03	2.70E-06	1.06E-06	6.49E-04	2.45E-07	6.20E-09	6.68E-04	2.52E-07	6.39E-09	2.05E-06	1.06E-06
1484	495411.06, 3858501.99	0.0137266	5.19E-06	2.04E-06	7.10E-03	2.68E-06	1.05E-06	6.45E-04	2.44E-07	6.17E-09	6.66E-04	2.52E-07	6.37E-09	2.04E-06	1.05E-06
1485	495461.06, 3858501.99	0.0136585	5.16E-06	2.03E-06	7.06E-03	2.67E-06	1.05E-06	6.44E-04	2.43E-07	6.16E-09	6.64E-04	2.51E-07	6.35E-09	2.03E-06	1.05E-06
1486	495511.06, 3858501.99	0.0135746	5.13E-06	2.02E-06	7.02E-03	2.65E-06	1.04E-06	6.41E-04	2.42E-07	6.13E-09	6.61E-04	2.50E-07	6.32E-09	2.02E-06	1.04E-06
1487	495561.06, 3858501.99	0.0135647	5.13E-06	2.01E-06	7.02E-03	2.65E-06	1.04E-06	6.41E-04	2.42E-07	6.13E-09	6.61E-04	2.50E-07	6.32E-09	2.01E-06	1.04E-06
1488	495611.06, 3858501.99	0.0134512	5.09E-06	2.00E-06	6.96E-03	2.63E-06	1.03E-06	6.36E-04	2.40E-07	6.08E-09	6.56E-04	2.48E-07	6.28E-09	2.00E-06	1.03E-06
1489	495661.06, 3858501.99	0.0133999	5.07E-06	1.99E-06	6.93E-03	2.62E-06	1.03E-06	6.34E-04	2.40E-07	6.07E-09	6.56E-04	2.48E-07	6.28E-09	1.99E-06	1.03E-06
1490	494311.06, 3858551.99	0.017717	6.70E-06	2.63E-06	9.12E-03	3.45E-06	1.35E-06	7.63E-04	2.88E-07	7.30E-09	7.87E-04	2.97E-07	7.53E-09	2.63E-06	1.35E-06
1491	494361.06, 3858551.99	0.0177182	6.70E-06	2.63E-06	9.12E-03	3.45E-06	1.35E-06	7.63E-04	2.88E-07	7.30E-09	7.87E-04	2.97E-07	7.53E-09	2.63E-06	1.35E-06
1492	494411.06, 3858551.99	0.0176822	6.69E-06	2.63E-06	9.10E-03	3.44E-06	1.35E-06	7.64E-04	2.89E-07	7.31E-09	7.88E-04	2.98E-07	7.54E-09	2.63E-06	1.35E-06
1493	494461.06, 3858551.99	0.0175961	6.65E-06	2.61E-06	9.06E-03	3.42E-06	1.35E-06	7.61E-04	2.88E-07	7.28E-09	7.85E-04	2.97E-07	7.51E-09	2.61E-06	1.35E-06
1494	494511.06, 3858551.99	0.0174386	6.59E-06	2.59E-06	8.98E-03	3.39E-06	1.33E-06	7.57E-04	2.86E-07	7.24E-09	7.80E-04	2.95E-07	7.46E-09	2.59E-06	1.33E-06
1495	494561.06, 3858551.99	0.0173089	6.54E-06	2.57E-06	8.91E-03	3.37E-06	1.32E-06	7.52E-04	2.84E-07	7.19E-09	7.77E-04	2.94E-07	7.43E-09	2.57E-06	1.32E-06
1496	494611.06, 3858551.99	0.0171377	6.48E-06	2.55E-06	8.82E-03	3.34E-06	1.31E-06	7.47E-04	2.83E-07	7.15E-09	7.72E-04	2.92E-07	7.39E-09	2.55E-06	1.31E-06
1497	494661.06, 3858551.99	0.0169804	6.42E-06	2.52E-06	8.74E-03	3.31E-06	1.30E-06	7.43E-04	2.81E-07	7.10E-09	7.67E-04	2.90E-07	7.34E-09	2.52E-06	1.30E-06
1498	494711.06, 3858551.99	0.0167356	6.33E-06	2.49E-06	8.62E-03	3.26E-06	1.28E-06	7.35E-04	2.78E-07	7.03E-09	7.59E-04	2.87E-07	7.26E-09	2.49E-06	1.28E-06
1499	494761.06, 3858551.99	0.0164906	6.23E-06	2.45E-06	8.50E-03	3.21E-06	1.26E-06	7.27E-04	2.75E-07	6.95E-09	7.51E-04	2.84E-07	7.18E-09	2.45E-06	1.26E-06
1500	494811.06, 3858551.99	0.0162894	6.16E-06	2.42E-06	8.39E-03	3.17E-06	1.25E-06	7.21E-04	2.72E-07	6.89E-09	7.46E-04	2.82E-07	7.14E-09	2.42E-06	1.25E-06

1501	494861.06, 3858551.99	0.0160465	6.07E-06	2.38E-06	8.27E-03	3.13E-06	1.23E-06	7.14E-04	2.70E-07	6.83E-09	7.38E-04	2.79E-07	7.06E-09	2.38E-06	1.23E-06
1502	494911.06, 3858551.99	0.0157875	5.97E-06	2.34E-06	8.14E-03	3.08E-06	1.21E-06	7.06E-04	2.67E-07	6.76E-09	7.31E-04	2.76E-07	6.99E-09	2.35E-06	1.21E-06
1503	494961.06, 3858551.99	0.0155585	5.88E-06	2.31E-06	8.03E-03	3.03E-06	1.19E-06	7.00E-04	2.65E-07	6.70E-09	7.25E-04	2.74E-07	6.93E-09	2.31E-06	1.19E-06
1504	495011.06, 3858551.99	0.0152861	5.78E-06	2.27E-06	7.89E-03	2.98E-06	1.17E-06	6.92E-04	2.62E-07	6.62E-09	7.17E-04	2.71E-07	6.85E-09	2.27E-06	1.17E-06
1505	495061.06, 3858551.99	0.0150606	5.69E-06	2.24E-06	7.77E-03	2.94E-06	1.15E-06	6.88E-04	2.60E-07	6.58E-09	7.12E-04	2.69E-07	6.81E-09	2.24E-06	1.16E-06
1506	495111.06, 3858551.99	0.0147442	5.57E-06	2.19E-06	7.62E-03	2.88E-06	1.13E-06	6.80E-04	2.57E-07	6.50E-09	7.02E-04	2.65E-07	6.71E-09	2.19E-06	1.13E-06
1507	495161.06, 3858551.99	0.0145298	5.49E-06	2.16E-06	7.51E-03	2.84E-06	1.12E-06	6.74E-04	2.55E-07	6.44E-09	6.95E-04	2.63E-07	6.65E-09	2.16E-06	1.12E-06
1508	495211.06, 3858551.99	0.0143452	5.42E-06	2.13E-06	7.41E-03	2.80E-06	1.10E-06	6.69E-04	2.53E-07	6.40E-09	6.90E-04	2.61E-07	6.60E-09	2.13E-06	1.10E-06
1509	495261.06, 3858551.99	0.0142024	5.37E-06	2.11E-06	7.34E-03	2.78E-06	1.09E-06	6.64E-04	2.51E-07	6.35E-09	6.86E-04	2.59E-07	6.56E-09	2.11E-06	1.09E-06
1510	495311.06, 3858551.99	0.0141194	5.34E-06	2.10E-06	7.30E-03	2.76E-06	1.08E-06	6.63E-04	2.51E-07	6.34E-09	6.84E-04	2.59E-07	6.54E-09	2.10E-06	1.08E-06
1511	495361.06, 3858551.99	0.0140347	5.31E-06	2.08E-06	7.26E-03	2.74E-06	1.08E-06	6.60E-04	2.49E-07	6.31E-09	6.81E-04	2.57E-07	6.51E-09	2.08E-06	1.08E-06
1512	495411.06, 3858551.99	0.0139802	5.29E-06	2.08E-06	7.23E-03	2.73E-06	1.07E-06	6.58E-04	2.49E-07	6.29E-09	6.79E-04	2.57E-07	6.50E-09	2.08E-06	1.07E-06
1513	495461.06, 3858551.99	0.0138968	5.25E-06	2.06E-06	7.19E-03	2.72E-06	1.07E-06	6.55E-04	2.48E-07	6.26E-09	6.76E-04	2.55E-07	6.46E-09	2.06E-06	1.07E-06
1514	495511.06, 3858551.99	0.0138436	5.23E-06	2.06E-06	7.16E-03	2.71E-06	1.06E-06	6.53E-04	2.47E-07	6.25E-09	6.74E-04	2.55E-07	6.45E-09	2.06E-06	1.06E-06
1515	495561.06, 3858551.99	0.0137612	5.20E-06	2.04E-06	7.12E-03	2.69E-06	1.06E-06	6.50E-04	2.46E-07	6.22E-09	6.73E-04	2.54E-07	6.43E-09	2.04E-06	1.06E-06
1516	495611.06, 3858551.99	0.013681	5.17E-06	2.03E-06	7.08E-03	2.68E-06	1.05E-06	6.49E-04	2.45E-07	6.20E-09	6.69E-04	2.53E-07	6.40E-09	2.03E-06	1.05E-06
1517	495661.06, 3858551.99	0.0135858	5.14E-06	2.02E-06	7.03E-03	2.66E-06	1.04E-06	6.45E-04	2.44E-07	6.17E-09	6.66E-04	2.52E-07	6.37E-09	2.02E-06	1.04E-06
1518	494311.06, 3858601.99	0.0171581	6.49E-06	2.55E-06	8.84E-03	3.34E-06	1.31E-06	7.61E-04	2.88E-07	7.28E-09	7.83E-04	2.96E-07	7.49E-09	2.55E-06	1.31E-06
1519	494361.06, 3858601.99	0.017741	6.71E-06	2.64E-06	9.13E-03	3.45E-06	1.36E-06	7.72E-04	2.92E-07	7.39E-09	7.97E-04	3.01E-07	7.62E-09	2.64E-06	1.36E-06
1520	494411.06, 3858601.99	0.0180372	6.82E-06	2.68E-06	9.29E-03	3.51E-06	1.38E-06	7.83E-04	2.96E-07	7.49E-09	8.08E-04	3.05E-07	7.73E-09	2.68E-06	1.38E-06
1521	494461.06, 3858601.99	0.017922	6.78E-06	2.66E-06	9.23E-03	3.49E-06	1.37E-06	7.79E-04	2.94E-07	7.45E-09	8.05E-04	3.04E-07	7.70E-09	2.66E-06	1.37E-06
1522	494511.06, 3858601.99	0.0177458	6.71E-06	2.64E-06	9.14E-03	3.45E-06	1.36E-06	7.71E-04	2.91E-07	7.37E-09	7.98E-04	3.02E-07	7.64E-09	2.64E-06	1.36E-06
1523	494561.06, 3858601.99	0.0176516	6.67E-06	2.62E-06	9.09E-03	3.44E-06	1.35E-06	7.71E-04	2.91E-07	7.37E-09	7.97E-04	3.01E-07	7.62E-09	2.62E-06	1.35E-06
1524	494611.06, 3858601.99	0.0174366	6.59E-06	2.59E-06	8.98E-03	3.40E-06	1.33E-06	7.64E-04	2.89E-07	7.31E-09	7.90E-04	2.99E-07	7.56E-09	2.59E-06	1.33E-06
1525	494661.06, 3858601.99	0.0172638	6.53E-06	2.56E-06	8.89E-03	3.36E-06	1.32E-06	7.58E-04	2.87E-07	7.25E-09	7.83E-04	2.96E-07	7.49E-09	2.56E-06	1.32E-06
1526	494711.06, 3858601.99	0.017035	6.44E-06	2.53E-06	8.78E-03	3.32E-06	1.30E-06	7.52E-04	2.84E-07	7.19E-09	7.77E-04	2.94E-07	7.43E-09	2.53E-06	1.30E-06
1527	494761.06, 3858601.99	0.0168042	6.35E-06	2.50E-06	8.66E-03	3.27E-06	1.29E-06	7.44E-04	2.81E-07	7.12E-09	7.70E-04	2.91E-07	7.37E-09	2.50E-06	1.29E-06
1528	494811.06, 3858601.99	0.0165014	6.24E-06	2.45E-06	8.51E-03	3.22E-06	1.26E-06	7.35E-04	2.78E-07	7.03E-09	7.61E-04	2.88E-07	7.28E-09	2.45E-06	1.26E-06
1529	494861.06, 3858601.99	0.0163005	6.16E-06	2.42E-06	8.40E-03	3.18E-06	1.25E-06	7.28E-04	2.75E-07	6.97E-09	7.54E-04	2.85E-07	7.21E-09	2.42E-06	1.25E-06
1530	494911.06, 3858601.99	0.016	6.05E-06	2.38E-06	8.25E-03	3.12E-06	1.23E-06	7.21E-04	2.72E-07	6.89E-09	7.44E-04	2.81E-07	7.12E-09	2.38E-06	1.23E-06
1531	494961.06, 3858601.99	0.0157829	5.97E-06	2.34E-06	8.14E-03	3.08E-06	1.21E-06	7.13E-04	2.69E-07	6.82E-09	7.38E-04	2.79E-07	7.06E-09	2.34E-06	1.21E-06
1532	495011.06, 3858601.99	0.015554	5.88E-06	2.31E-06	8.03E-03	3.03E-06	1.19E-06	7.06E-04	2.67E-07	6.76E-09	7.31E-04	2.76E-07	6.99E-09	2.31E-06	1.19E-06
1533	495061.06, 3858601.99	0.0153119	5.79E-06	2.27E-06	7.91E-03	2.99E-06	1.17E-06	7.00E-04	2.65E-07	6.70E-09	7.23E-04	2.73E-07	6.92E-09	2.27E-06	1.17E-06
1534	495111.06, 3858601.99	0.0149281	5.64E-06	2.22E-06	7.71E-03	2.92E-06	1.15E-06	6.91E-04	2.61E-07	6.61E-09	7.13E-04	2.70E-07	6.82E-09	2.22E-06	1.15E-06
1535	495161.06, 3858601.99	0.014727	5.57E-06	2.19E-06	7.61E-03	2.88E-06	1.13E-06	6.86E-04	2.59E-07	6.56E-09	7.08E-04	2.68E-07	6.78E-09	2.19E-06	1.13E-06
1536	495211.06, 3858601.99	0.014598	5.52E-06	2.17E-06	7.55E-03	2.85E-06	1.12E-06	6.81E-04	2.58E-07	6.52E-09	7.04E-04	2.66E-07	6.73E-09	2.17E-06	1.12E-06
1537	495261.06, 3858601.99	0.0144418	5.46E-06	2.15E-06	7.47E-03	2.82E-06	1.11E-06	6.77E-04	2.56E-07	6.47E-09	7.00E-04	2.65E-07	6.70E-09	2.15E-06	1.11E-06
1538	495311.06, 3858601.99	0.0143294	5.42E-06	2.13E-06	7.41E-03	2.80E-06	1.10E-06	6.74E-04	2.55E-07	6.44E-09	6.95E-04	2.63E-07	6.65E-09	2.13E-06	1.10E-06
1539	495361.06, 3858601.99	0.0142457	5.39E-06	2.12E-06	7.37E-03	2.79E-06	1.09E-06	6.70E-04	2.53E-07	6.41E-09	6.94E-04	2.62E-07	6.64E-09	2.12E-06	1.09E-06
1540	495411.06, 3858601.99	0.014178	5.36E-06	2.11E-06	7.33E-03	2.77E-06	1.09E-06	6.69E-04	2.53E-07	6.40E-09	6.90E-04	2.61E-07	6.60E-09	2.11E-06	1.09E-06
1541	495461.06, 3858601.99	0.014109	5.33E-06	2.10E-06	7.30E-03	2.76E-06	1.08E-06	6.66E-04	2.52E-07	6.37E-09	6.89E-04	2.60E-07	6.59E-09	2.10E-06	1.08E-06
1542	495511.06, 3858601.99	0.0139987	5.29E-06	2.08E-06	7.24E-03	2.74E-06	1.08E-06	6.63E-04	2.51E-07	6.34E-09	6.86E-04	2.59E-07	6.56E-09	2.08E-06	1.08E-06
1543	495561.06, 3858601.99	0.0139606	5.28E-06	2.07E-06	7.22E-03	2.73E-06	1.07E-06	6.61E-04	2.50E-07	6.32E-09	6.84E-04	2.59E-07	6.54E-09	2.07E-06	1.07E-06
1544	495611.06, 3858601.99	0.0138238	5.23E-06	2.05E-06	7.15E-03	2.70E-06	1.06E-06	6.58E-04	2.49E-07	6.29E-09	6.81E-04	2.57E-07	6.51E-09	2.05E-06	1.06E-06
1545	495661.06, 3858601.99	0.0137719	5.21E-06	2.05E-06	7.13E-03	2.69E-06	1.06E-06	6.55E-04	2.48E-07	6.26E-09	6.77E-04	2.56E-07	6.48E-09	2.05E-06	1.06E-06
1546	494311.06, 3858651.99	0.0171528	6.49E-06	2.55E-06	8.85E-03	3.34E-06	1.31E-06	7.71E-04	2.91E-07	7.37E-09	7.93E-04	3.00E-07	7.59E-09	2.55E-06	1.31E-06
1547	494361.06, 3858651.99	0.017722	6.70E-06	2.63E-06	9.13E-03	3.45E-06	1.36E-06	7.82E-04	2.96E-07	7.48E-09	8.06E-04	3.05E-07	7.71E-09	2.63E-06	1.36E-06
1548	494411.06, 3858651.99	0.018258	6.90E-06	2.71E-06	9.40E-03	3.55E-06	1.40E-06	7.96E-04	3.01E-07	7.61E-09	8.24E-04	3.12E-07	7.88E-09	2.71E-06	1.40E-06
1549	494461.06, 3858651.99	0.018181	6.87E-06	2.70E-06	9.36E-03	3.54E-06	1.39E-06	7.97E-04	3.01E-07	7.63E-09	8.24E-04	3.12E-07	7.88E-09	2.70E-06	1.39E-06
1550	494511.06, 3858651.99	0.0180242	6.81E-06	2.68E-06	9.28E-03	3.51E-06	1.38E-06	7.93E-04	3.00E-07	7.58E-09	8.19E-04	3.10E-07	7.84E-09	2.68E-06	1.38E-06
1551	494561.06, 3858651.99	0.0178954	6.77E-06	2.66E-06	9.22E-03	3.49E-06	1.37E-06	7.88E-04	2.98E-07	7.54E-09	8.15E-04	3.08E-07	7.79E-09	2.66E-06	1.37E-06
1552	494611.06, 3858651.99	0.0177523	6.71E-06	2.64E-06	9.15E-03	3.46E-06	1.36E-06	7.83E-04	2.96E-07	7.49E-09	8.10E-04	3.06E-07	7.74E-09	2.64E-06	1.36E-06
1553	494661.06, 3858651.99	0.0175499	6.64E-06	2.61E-06	9.04E-03	3.42E-06	1.34E-06	7.75E-04	2.93E-07	7.42E-09	8.03E-04	3.04E-07	7.68E-09	2.61E-06	1.34E-06
1554	494711.06, 3858651.99	0.0172917	6.54E-06	2.57E-06	8.91E-03	3.37E-06	1.32E-06	7.68E-04	2.90E-07	7.34E-09	7.95E-04	3.01E-07	7.60E-09	2.57E-06	1.32E-06
1555	494761.06, 3858651.99	0.0170907	6.46E-06	2.54E-06	8.81E-03	3.33E-06	1.31E-06	7.61E-04	2.88E-07	7.28E-09	7.87E-04	2.97E-07	7.53E-09	2.54E-06	1.31E-06
1556	494811.06, 3858651.99	0.0168021	6.35E-06	2.50E-06	8.66E-03	3.28E-06	1.29E-06	7.52E-04	2.84E-07	7.19E-09	7.79E-04	2.94E-07	7.45E-09	2.50E-06	1.29E-06
1557	494861.06, 3858651.99	0.0165432	6.25E-06	2.46E-06	8.53E-03	3.23E-06	1.27E-06	7.44E-04	2.81E-07	7.12E-09	7.69E-04	2.91E-07	7.35E-09	2.46E-06	1.27E-06
1558	494911.06, 3858651.99	0.0162546	6.15E-06	2.41E-06	8.39E-03	3.17E-06	1.25E-06	7.35E-04	2.78E-07	7.03E-09	7.61E-04	2.88E-07	7.28E-09	2.41E-06	1.25E-06
1559	494961.06, 3858651.99	0.0159824	6.04E-06	2.37E-06	8.25E-03	3.12E-06	1.23E-06	7.27E-04	2.75E-07	6.95E-09	7.51E-04	2.84E-07	7.18E-09	2.37E-06	1.23E-06
1560	495011.06, 3858651.99	0.0157678	5.96E-06	2.34E-06	8.14E-03	3.08E-06	1.21E-06	7.21E-04	2.72E-07	6.89E-09	7.44E-04	2.81E-07	7.12E-09	2.34E-06	1.21E-06
1561	495061.06, 3858651.99	0.0155236	5.87E-06	2.31E-06	8.02E-03	3.03E-06	1.19E-06	7.13E-04	2.69E-07	6.82E-09	7.38E-04	2.79E-07	7.06E-09	2.31E-06	1.19E-06
1562	495111.06, 3858651.99	0.0152517	5.77E-06	2.27E-06	7.88E-03	2.98E-06	1.17E-06	7.05E-04	2.67E-07	6.74E-09	7.28E-04	2.75E-07	6.96E-09	2.27E-06	1.17E-06
1563	495161.06, 3858651.99	0.0150655	5.70E-06	2.24E-06	7.78E-03	2.94E-06	1.16E-06	6.99E-04	2.64E-07	6.68E-09	7.23E-04	2.73E-07	6.92E-09	2.24E-06	1.16E-06
1564	495211.06, 3858651.99	0.0148517	5.62E-06	2.21E-06	7.68E-03	2.90E-06	1.14E-06	6.92E-04	2.62E-07	6.62E-09	7.17E-04	2.71E-07	6.85E-09	2.21E-06	1.14E-06
1565	495261.06, 3858651.99	0.0147673	5.58E-06	2.19E-06	7.63E-03	2.89E-06	1.13E-06	6.89E-04	2.61E-07	6.59E-09	7.13E-04	2.70E-07	6.82E-09	2.19E-06	1.13E-06
1566	495311.06, 3858651.99	0.0145875	5.52E-06	2.17E-06	7.54E-03	2.85E-06	1.12E-06	6.86E-04	2.59E-07	6.56E-09	7.10E-04	2.68E-07	6.79E-09	2.17E-06	1.12E-06
1567	495361.06, 3858651.99	0.0145043	5.48E-06	2.15E-06	7.50E-03	2.84E-06	1.11E-06	6.83E-04	2.58E-07	6.53E-09	7.07E-04	2.67E-07	6.76E-09	2.15E-06	1.11E-06
1568	495411.06, 3858651.99	0.0144375	5.46E-06	2.14E-06	7.47E-03	2.82E-06	1.11E-06	6.81E-04	2.58E-07	6.52E-09	7.05E-04	2.67E-07	6.75E-09	2.14E-06	1.11E-06
1569	495461.06, 3858651.99	0.0143853	5.44E-06	2.14E-06	7.44E-03	2.81E-06	1.11E-06	6.80E-04	2.57E-07	6.50E-09	7.04E-04	2.66E-07	6.73E-09	2.14E-06	1.11E-06
1570	495511.06, 3858651.99	0.0142597	5.39E-06	2.12E-06	7.38E-03	2.79E-06	1.10E-06	6.75E-04	2.55E-07	6.46E-09	6.99E-04	2.64E-07	6.68E-09	2.12E-06	1.10E-06
1571	495561.06, 3858651.99	0.0141484	5.35E-06	2.10E-06	7.32E-03	2.77E-06	1.09E-06	6.72E-04	2.54E-07	6.43E-09	6.95E-04	2.63E-07	6.65E-09	2.10E-06	1.09E-06
1572	495611.06, 3858651.99	0.0140108	5.30E-06	2.08E-06	7.25E-03	2.74E-06	1.08E-06	6.67E-04	2.52E-07	6.38E-09	6.92E-04	2.62E-07	6.62E-09	2.08E-06	1.08E-06
1573	495661.06, 3858651.99	0.0139485	5.27E-06	2.07E-06	7.22E-03	2.73E-06	1.07E-06	6.66E-04	2.52E-07	6.37E-09	6.89E-04	2.60E-07	6.59E-09	2.07E-06	1.07E-06
1574	494311.06, 3858701.99	0.017437	6.59E-06	2.59E-06	9.00E-03	3.40E-06	1.34E-06	7.90E-04	2.99E-07	7.55E-09	8.13E-04	3.07E-07	7.78E-09	2.59E-06	1.34E-06
1575	494361.06, 3858701.99	0.0181808	6.87E-06	2.70E-06	9.37E-03	3.54E-06	1.39E-06	8.05E-04	3.04E-07	7.70E-09	8.32E-04	3.15E-07	7.96E-09	2.70E-06	1.39E-06
1576	494411.06, 3858701.99	0.0184897	6.99E-06	2.75E-06	9.53E-03	3.60E-06	1.41E-06	8.15E-04	3.08E-07	7.79E-09	8.44E-04	3.19E-07	8.07E-09	2.75E-06	1.42E-06
1577	494461.06, 3858701.99	0.018405	6.96E-06	2.73E-06	9.48E-03	3.59E-06	1.41E-06	8.11E-04	3.07E-07	7.76E-09	8.41E-04	3.18E-07	8.04E-09	2.73E-06	1.41E-06
1578	494511.06, 3858701.99	0.0182706	6.91E-06	2.71E-06	9.42E-03	3.56E-06	1.40E-06	8.11E-04	3.07E-07	7.76E-09	8.39E-04	3.17E-07	8.03E-09	2.71E-06	1.40E-06
1579	494561.06, 3858701.99	0.0181259	6.85E-06	2.69E-06	9.34E-03	3.53E-06	1.39E-06	8.05E-04	3.04E-07	7.70E-09	8.34E-04	3.15E-07	7.98E-09	2.69E-06	1.39E-06
1580	494611.06, 3858701.99	0.0178376	6.74E-06	2.65E-06	9.20E-03	3.48E-06	1.37E-06	7.96E-04	3.01E-07	7.61E-09	8.24E-04	3.12E-07	7.88E-09	2.65E-06	1.37E-06
1581	494661.06, 3858701.99	0.0177532	6.71E-06	2.64E-06	9.15E-03	3.46E-06	1.36E-06	7.93E-04	3.00E-07	7.58E-09	8.21E-04	3.10E-07	7.85E-09	2.64E-06	1.36E-06
1582	494711.06, 3858701.99	0.017216	6.51E-06	2.56E-06	8.88E-03	3.36E-06	1.32E-06	7.74E-04	2.93E-07	7.40E-09	8.01E-04	3.03E-07	7.67E-09	2.56E-06	1.32E-06
1583	494761.06, 3858701.99	0.017249	6.52E-06	2.56E-06	8.90E-03	3.36E-06	1.32E-06	7.75E-04	2.93E-07	7.42E-09	8.03E-04	3.04E-07	7.68E-09	2.56E-06	1.32E-06
1584	494811.06, 3858701.99	0.0169741	6.42E-06	2.52E-06	8.76E-03	3.31E-06	1.30E-06	7.66E-04	2.90E-07	7.33E-09	7.92E-04	2.99E-07	7.57E-09	2.52E-06	1.30E-06
1585	494861.06, 3858701.99	0.0167297	6.33E-06	2.48E-06	8.63E-03	3.26E-06	1.28E-06	7.58E-04	2.87E-07	7.25E-09	7.85E-04	2.97E-07	7.51E-09	2.49E-06	1.28E-06
1586	494911.06, 3858701.99	0.016515	6.24E-06	2.45E-06	8.52E-03	3.22E-06	1.27E-06	7.52E-04	2.84E-07	7.19E-09	7.77E-04	2.94E-07	7.43E-09	2.45E-06	1.27E-06
1587	494961.06, 3858701.99	0.0161391	6.10E-06	2.40E-06	8.33E-03	3.15E-06	1.24E-06	7.39E-04	2.80E-07	7.07E-09	7.66E-04	2.89E-07	7.32E-09	2.40E-06	1.24E-06
1588	495011.06, 3858701.99	0.0158948	6.01E-06	2.36E-06	8.21E-03	3.10E-06	1.22E-06	7.32E-04	2.77E-07	7.00E-09	7.56E-04	2.86E-07	7.23E-09	2.36E-06	1.22E-06
1589	495061.06, 3858701.99	0.0157525	5.96E-06	2.34E-06	8.14E-03	3.08E-06	1.21E-06	7.27E-04	2.75E-07	6.95E-09	7.52E-04	2.85E-07	7.20E-09	2.34E-06	1.21E-06
1590	495111.06, 3858701.99	0.0154514	5.84E-06	2.30E-06	7.98E-03	3.02E-06	1.19E-06	7.17E-04	2.71E-07	6.86E-09	7.43E-04	2.81E-07	7.10E-09	2.30E-06	1.19E-06
1591	495161.06, 3858701.99	0.0152949	5.78E-06	2.27E-06	7.90E-03	2.99E-06	1.17E-06	7.13E-04	2.69E-07	6.82E-09	7.36E-04	2.78E-07	7.04E-09	2.27E-06	1.17E-06
1592	495211.06, 3858701.99	0.0150815	5.70E-06	2.24E-06	7.80E-03	2.95E-06	1.16E-06	7.06E-04	2.67E-07	6.76E-09	7.30E-04	2.76E-07	6.98E-09	2.24E-06	1.16E-06
1593	495261.06, 3858701.99	0.0149981	5.67E-06	2.23E-06	7.75E-03	2.93E-06	1.15E-06	7.03E-04	2.66E-07	6.73E-09	7.28E-04	2.75E-07	6.96E-09	2.23E-06	1.15E-06
1594	495311.06, 3858701.99	0.0149154	5.64E-06	2.22E-06	7.71E-03	2.92E-06	1.15E-06	7.00E-04	2.65E-07	6.70E-09	7.25E-04	2.74E-07	6.93E-09	2.22E-06	1.15E-06

1595	495361.06, 3858701.99	0.0148051	5.60E-06	2.20E-06	7.66E-03	2.89E-06	1.14E-06	6.97E-04	2.64E-07	6.67E-09	7.21E-04	2.73E-07	6.90E-09	2.20E-06	1.14E-06
1596	495411.06, 3858701.99	0.0147531	5.58E-06	2.19E-06	7.63E-03	2.88E-06	1.13E-06	6.96E-04	2.63E-07	6.65E-09	7.20E-04	2.72E-07	6.89E-09	2.19E-06	1.13E-06
1597	495461.06, 3858701.99	0.0146716	5.55E-06	2.18E-06	7.59E-03	2.87E-06	1.13E-06	6.92E-04	2.62E-07	6.62E-09	7.17E-04	2.71E-07	6.85E-09	2.18E-06	1.13E-06
1598	495511.06, 3858701.99	0.0145611	5.51E-06	2.16E-06	7.53E-03	2.85E-06	1.12E-06	6.88E-04	2.60E-07	6.58E-09	7.13E-04	2.70E-07	6.82E-09	2.16E-06	1.12E-06
1599	495561.06, 3858701.99	0.0144261	5.45E-06	2.14E-06	7.46E-03	2.82E-06	1.11E-06	6.85E-04	2.59E-07	6.55E-09	7.08E-04	2.68E-07	6.78E-09	2.14E-06	1.11E-06
1600	495611.06, 3858701.99	0.014304	5.41E-06	2.12E-06	7.40E-03	2.80E-06	1.10E-06	6.80E-04	2.57E-07	6.50E-09	7.05E-04	2.67E-07	6.75E-09	2.12E-06	1.10E-06
1601	495661.06, 3858701.99	0.0142139	5.37E-06	2.11E-06	7.36E-03	2.78E-06	1.09E-06	6.77E-04	2.56E-07	6.47E-09	7.02E-04	2.65E-07	6.71E-09	2.11E-06	1.09E-06
1602	494311.06, 3858751.99	0.0178018	6.73E-06	2.64E-06	9.19E-03	3.47E-06	1.36E-06	8.07E-04	3.05E-07	7.72E-09	8.32E-04	3.15E-07	7.96E-09	2.64E-06	1.36E-06
1603	494361.06, 3858751.99	0.0185577	7.02E-06	2.76E-06	9.57E-03	3.62E-06	1.42E-06	8.29E-04	3.13E-07	7.93E-09	8.57E-04	3.24E-07	8.20E-09	2.76E-06	1.42E-06
1604	494411.06, 3858751.99	0.0187404	7.09E-06	2.78E-06	9.66E-03	3.65E-06	1.44E-06	8.37E-04	3.16E-07	8.00E-09	8.65E-04	3.27E-07	8.28E-09	2.78E-06	1.44E-06
1605	494461.06, 3858751.99	0.0186406	7.05E-06	2.77E-06	9.61E-03	3.63E-06	1.43E-06	8.32E-04	3.14E-07	7.96E-09	8.62E-04	3.26E-07	8.24E-09	2.77E-06	1.43E-06
1606	494511.06, 3858751.99	0.0185367	7.01E-06	2.75E-06	9.56E-03	3.61E-06	1.42E-06	8.33E-04	3.15E-07	7.97E-09	8.62E-04	3.26E-07	8.24E-09	2.75E-06	1.42E-06
1607	494561.06, 3858751.99	0.0183575	6.94E-06	2.73E-06	9.47E-03	3.58E-06	1.41E-06	8.22E-04	3.11E-07	7.87E-09	8.52E-04	3.22E-07	8.15E-09	2.73E-06	1.41E-06
1608	494611.06, 3858751.99	0.0181133	6.85E-06	2.69E-06	9.34E-03	3.53E-06	1.39E-06	8.15E-04	3.08E-07	7.79E-09	8.44E-04	3.19E-07	8.07E-09	2.69E-06	1.39E-06
1609	494661.06, 3858751.99	0.0179527	6.79E-06	2.67E-06	9.26E-03	3.50E-06	1.38E-06	8.07E-04	3.05E-07	7.72E-09	8.36E-04	3.16E-07	7.99E-09	2.67E-06	1.38E-06
1610	494711.06, 3858751.99	0.0176351	6.67E-06	2.62E-06	9.10E-03	3.44E-06	1.35E-06	7.96E-04	3.01E-07	7.61E-09	8.24E-04	3.12E-07	7.88E-09	2.62E-06	1.35E-06
1611	494761.06, 3858751.99	0.017455	6.60E-06	2.59E-06	9.01E-03	3.41E-06	1.34E-06	7.93E-04	3.00E-07	7.58E-09	8.19E-04	3.10E-07	7.84E-09	2.59E-06	1.34E-06
1612	494811.06, 3858751.99	0.0171644	6.49E-06	2.55E-06	8.86E-03	3.35E-06	1.32E-06	7.82E-04	2.96E-07	7.48E-09	8.10E-04	3.06E-07	7.74E-09	2.55E-06	1.32E-06
1613	494861.06, 3858751.99	0.0169036	6.39E-06	2.51E-06	8.73E-03	3.30E-06	1.30E-06	7.72E-04	2.92E-07	7.39E-09	8.00E-04	3.02E-07	7.65E-09	2.51E-06	1.30E-06
1614	494911.06, 3858751.99	0.0166015	6.28E-06	2.47E-06	8.57E-03	3.24E-06	1.27E-06	7.63E-04	2.88E-07	7.30E-09	7.88E-04	2.98E-07	7.54E-09	2.47E-06	1.27E-06
1615	494961.06, 3858751.99	0.0163713	6.19E-06	2.43E-06	8.46E-03	3.20E-06	1.26E-06	7.55E-04	2.85E-07	7.22E-09	7.82E-04	2.96E-07	7.48E-09	2.43E-06	1.26E-06
1616	495011.06, 3858751.99	0.0161994	6.12E-06	2.41E-06	8.37E-03	3.16E-06	1.24E-06	7.49E-04	2.83E-07	7.16E-09	7.75E-04	2.93E-07	7.42E-09	2.41E-06	1.24E-06
1617	495061.06, 3858751.99	0.0159695	6.04E-06	2.37E-06	8.25E-03	3.12E-06	1.23E-06	7.41E-04	2.80E-07	7.09E-09	7.67E-04	2.90E-07	7.34E-09	2.37E-06	1.23E-06
1618	495111.06, 3858751.99	0.0156981	5.94E-06	2.33E-06	8.11E-03	3.07E-06	1.21E-06	7.33E-04	2.77E-07	7.01E-09	7.59E-04	2.87E-07	7.26E-09	2.33E-06	1.21E-06
1619	495161.06, 3858751.99	0.0155266	5.87E-06	2.31E-06	8.03E-03	3.03E-06	1.19E-06	7.27E-04	2.75E-07	6.95E-09	7.52E-04	2.85E-07	7.20E-09	2.31E-06	1.19E-06
1620	495211.06, 3858751.99	0.0153141	5.79E-06	2.27E-06	7.92E-03	2.99E-06	1.18E-06	7.21E-04	2.72E-07	6.89E-09	7.46E-04	2.82E-07	7.14E-09	2.27E-06	1.18E-06
1621	495261.06, 3858751.99	0.0152179	5.75E-06	2.26E-06	7.87E-03	2.98E-06	1.17E-06	7.17E-04	2.71E-07	6.86E-09	7.43E-04	2.81E-07	7.10E-09	2.26E-06	1.17E-06
1622	495311.06, 3858751.99	0.015136	5.72E-06	2.25E-06	7.83E-03	2.96E-06	1.16E-06	7.14E-04	2.70E-07	6.83E-09	7.39E-04	2.80E-07	7.07E-09	2.25E-06	1.16E-06
1623	495361.06, 3858751.99	0.0150403	5.69E-06	2.23E-06	7.78E-03	2.94E-06	1.16E-06	7.11E-04	2.69E-07	6.80E-09	7.36E-04	2.78E-07	7.04E-09	2.23E-06	1.16E-06
1624	495411.06, 3858751.99	0.0149894	5.67E-06	2.23E-06	7.75E-03	2.93E-06	1.15E-06	7.10E-04	2.68E-07	6.79E-09	7.35E-04	2.78E-07	7.03E-09	2.23E-06	1.15E-06
1625	495461.06, 3858751.99	0.0149092	5.64E-06	2.21E-06	7.71E-03	2.92E-06	1.15E-06	7.06E-04	2.67E-07	6.76E-09	7.31E-04	2.76E-07	6.99E-09	2.21E-06	1.15E-06
1626	495511.06, 3858751.99	0.0147863	5.59E-06	2.20E-06	7.65E-03	2.89E-06	1.14E-06	7.02E-04	2.65E-07	6.71E-09	7.28E-04	2.75E-07	6.96E-09	2.20E-06	1.14E-06
1627	495561.06, 3858751.99	0.0146646	5.54E-06	2.18E-06	7.59E-03	2.87E-06	1.13E-06	6.97E-04	2.64E-07	6.67E-09	7.23E-04	2.73E-07	6.92E-09	2.18E-06	1.13E-06
1628	495611.06, 3858751.99	0.0145311	5.49E-06	2.16E-06	7.52E-03	2.84E-06	1.12E-06	6.92E-04	2.62E-07	6.62E-09	7.18E-04	2.72E-07	6.87E-09	2.16E-06	1.12E-06
1629	495661.06, 3858751.99	0.0144299	5.46E-06	2.14E-06	7.47E-03	2.82E-06	1.11E-06	6.89E-04	2.61E-07	6.59E-09	7.15E-04	2.70E-07	6.84E-09	2.14E-06	1.11E-06
1630	494311.06, 3858801.99	0.0182765	6.91E-06	2.71E-06	9.43E-03	3.57E-06	1.40E-06	8.32E-04	3.14E-07	7.96E-09	8.59E-04	3.25E-07	8.21E-09	2.71E-06	1.40E-06
1631	494361.06, 3858801.99	0.0188387	7.12E-06	2.80E-06	9.72E-03	3.67E-06	1.44E-06	8.52E-04	3.22E-07	8.15E-09	8.81E-04	3.33E-07	8.43E-09	2.80E-06	1.44E-06
1632	494411.06, 3858801.99	0.018874	7.14E-06	2.80E-06	9.74E-03	3.68E-06	1.45E-06	8.54E-04	3.23E-07	8.17E-09	8.83E-04	3.34E-07	8.45E-09	2.80E-06	1.45E-06
1633	494461.06, 3858801.99	0.0188237	7.12E-06	2.80E-06	9.71E-03	3.67E-06	1.44E-06	8.54E-04	3.23E-07	8.17E-09	8.83E-04	3.34E-07	8.45E-09	2.80E-06	1.44E-06
1634	494511.06, 3858801.99	0.0187325	7.08E-06	2.78E-06	9.67E-03	3.66E-06	1.44E-06	8.54E-04	3.23E-07	8.17E-09	8.85E-04	3.34E-07	8.46E-09	2.78E-06	1.44E-06
1635	494561.06, 3858801.99	0.0185913	7.03E-06	2.76E-06	9.60E-03	3.63E-06	1.43E-06	8.49E-04	3.21E-07	8.12E-09	8.78E-04	3.32E-07	8.40E-09	2.76E-06	1.43E-06
1636	494611.06, 3858801.99	0.018418	6.96E-06	2.74E-06	9.51E-03	3.59E-06	1.41E-06	8.41E-04	3.18E-07	8.05E-09	8.72E-04	3.30E-07	8.34E-09	2.74E-06	1.41E-06
1637	494661.06, 3858801.99	0.0181727	6.87E-06	2.70E-06	9.38E-03	3.55E-06	1.39E-06	8.32E-04	3.14E-07	7.96E-09	8.60E-04	3.25E-07	8.23E-09	2.70E-06	1.39E-06
1638	494711.06, 3858801.99	0.0179112	6.77E-06	2.66E-06	9.25E-03	3.50E-06	1.37E-06	8.21E-04	3.10E-07	7.85E-09	8.50E-04	3.22E-07	8.13E-09	2.66E-06	1.37E-06
1639	494761.06, 3858801.99	0.0176056	6.66E-06	2.61E-06	9.09E-03	3.44E-06	1.35E-06	8.08E-04	3.06E-07	7.73E-09	8.37E-04	3.17E-07	8.01E-09	2.62E-06	1.35E-06
1640	494811.06, 3858801.99	0.0172852	6.54E-06	2.57E-06	8.93E-03	3.38E-06	1.33E-06	7.96E-04	3.01E-07	7.61E-09	8.24E-04	3.12E-07	7.88E-09	2.57E-06	1.33E-06
1641	494861.06, 3858801.99	0.0170828	6.46E-06	2.54E-06	8.82E-03	3.34E-06	1.31E-06	7.88E-04	2.98E-07	7.54E-09	8.16E-04	3.09E-07	7.81E-09	2.54E-06	1.31E-06
1642	494911.06, 3858801.99	0.0168083	6.35E-06	2.50E-06	8.68E-03	3.28E-06	1.29E-06	7.79E-04	2.94E-07	7.45E-09	8.06E-04	3.05E-07	7.71E-09	2.50E-06	1.29E-06
1643	494961.06, 3858801.99	0.0165923	6.27E-06	2.46E-06	8.57E-03	3.24E-06	1.27E-06	7.71E-04	2.91E-07	7.37E-09	7.98E-04	3.02E-07	7.64E-09	2.46E-06	1.27E-06
1644	495011.06, 3858801.99	0.0163492	6.18E-06	2.43E-06	8.45E-03	3.19E-06	1.26E-06	7.63E-04	2.88E-07	7.30E-09	7.90E-04	2.99E-07	7.56E-09	2.43E-06	1.26E-06
1645	495061.06, 3858801.99	0.0161781	6.12E-06	2.40E-06	8.36E-03	3.16E-06	1.24E-06	7.57E-04	2.86E-07	7.24E-09	7.83E-04	2.96E-07	7.49E-09	2.40E-06	1.24E-06
1646	495111.06, 3858801.99	0.0158908	6.01E-06	2.36E-06	8.22E-03	3.11E-06	1.22E-06	7.47E-04	2.83E-07	7.15E-09	7.74E-04	2.93E-07	7.40E-09	2.36E-06	1.22E-06
1647	495161.06, 3858801.99	0.0156764	5.93E-06	2.33E-06	8.11E-03	3.07E-06	1.20E-06	7.39E-04	2.80E-07	7.07E-09	7.66E-04	2.89E-07	7.32E-09	2.33E-06	1.20E-06
1648	495211.06, 3858801.99	0.0155231	5.87E-06	2.31E-06	8.03E-03	3.04E-06	1.19E-06	7.35E-04	2.78E-07	7.03E-09	7.61E-04	2.88E-07	7.28E-09	2.31E-06	1.19E-06
1649	495261.06, 3858801.99	0.0154415	5.84E-06	2.29E-06	7.99E-03	3.02E-06	1.19E-06	7.32E-04	2.77E-07	7.00E-09	7.57E-04	2.86E-07	7.24E-09	2.29E-06	1.19E-06
1650	495311.06, 3858801.99	0.0153608	5.81E-06	2.28E-06	7.95E-03	3.00E-06	1.18E-06	7.28E-04	2.75E-07	6.97E-09	7.54E-04	2.85E-07	7.21E-09	2.28E-06	1.18E-06
1651	495361.06, 3858801.99	0.0152661	5.77E-06	2.27E-06	7.90E-03	2.99E-06	1.17E-06	7.25E-04	2.74E-07	6.94E-09	7.51E-04	2.84E-07	7.18E-09	2.27E-06	1.17E-06
1652	495411.06, 3858801.99	0.0152447	5.76E-06	2.26E-06	7.89E-03	2.98E-06	1.17E-06	7.24E-04	2.74E-07	6.92E-09	7.51E-04	2.84E-07	7.18E-09	2.26E-06	1.17E-06
1653	495461.06, 3858801.99	0.0151383	5.72E-06	2.25E-06	7.83E-03	2.96E-06	1.16E-06	7.21E-04	2.72E-07	6.89E-09	7.46E-04	2.82E-07	7.14E-09	2.25E-06	1.16E-06
1654	495511.06, 3858801.99	0.0150033	5.67E-06	2.23E-06	7.76E-03	2.94E-06	1.15E-06	7.16E-04	2.71E-07	6.85E-09	7.43E-04	2.81E-07	7.10E-09	2.23E-06	1.15E-06
1655	495561.06, 3858801.99	0.0148997	5.63E-06	2.21E-06	7.71E-03	2.92E-06	1.15E-06	7.13E-04	2.69E-07	6.82E-09	7.38E-04	2.79E-07	7.06E-09	2.21E-06	1.15E-06
1656	495611.06, 3858801.99	0.0147525	5.58E-06	2.19E-06	7.64E-03	2.89E-06	1.13E-06	7.06E-04	2.67E-07	6.76E-09	7.33E-04	2.77E-07	7.01E-09	2.19E-06	1.13E-06
1657	495661.06, 3858801.99	0.01467	5.55E-06	2.18E-06	7.59E-03	2.87E-06	1.13E-06	7.03E-04	2.66E-07	6.73E-09	7.30E-04	2.76E-07	6.98E-09	2.18E-06	1.13E-06
1658	494311.06, 3858851.99	0.0190552	7.20E-06	2.83E-06	9.84E-03	3.72E-06	1.46E-06	8.73E-04	3.30E-07	8.35E-09	9.03E-04	3.41E-07	8.63E-09	2.83E-06	1.46E-06
1659	494361.06, 3858851.99	0.019245	7.28E-06	2.86E-06	9.94E-03	3.76E-06	1.48E-06	8.84E-04	3.34E-07	8.45E-09	9.14E-04	3.46E-07	8.74E-09	2.86E-06	1.48E-06
1660	494411.06, 3858851.99	0.0191045	7.22E-06	2.84E-06	9.87E-03	3.73E-06	1.47E-06	8.79E-04	3.32E-07	8.41E-09	9.09E-04	3.44E-07	8.70E-09	2.84E-06	1.47E-06
1661	494461.06, 3858851.99	0.0190088	7.19E-06	2.82E-06	9.82E-03	3.71E-06	1.46E-06	8.76E-04	3.31E-07	8.38E-09	9.06E-04	3.43E-07	8.67E-09	2.82E-06	1.46E-06
1662	494511.06, 3858851.99	0.0188761	7.14E-06	2.80E-06	9.75E-03	3.69E-06	1.45E-06	8.76E-04	3.31E-07	8.38E-09	9.06E-04	3.43E-07	8.67E-09	2.80E-06	1.45E-06
1663	494561.06, 3858851.99	0.01872	7.08E-06	2.78E-06	9.67E-03	3.66E-06	1.44E-06	8.69E-04	3.29E-07	8.32E-09	8.99E-04	3.40E-07	8.60E-09	2.78E-06	1.44E-06
1664	494611.06, 3858851.99	0.0185311	7.01E-06	2.75E-06	9.58E-03	3.62E-06	1.42E-06	8.60E-04	3.25E-07	8.23E-09	8.91E-04	3.37E-07	8.53E-09	2.75E-06	1.42E-06
1665	494661.06, 3858851.99	0.0183144	6.92E-06	2.72E-06	9.46E-03	3.58E-06	1.41E-06	8.51E-04	3.22E-07	8.14E-09	8.80E-04	3.33E-07	8.42E-09	2.72E-06	1.41E-06
1666	494711.06, 3858851.99	0.018022	6.81E-06	2.68E-06	9.31E-03	3.52E-06	1.38E-06	8.37E-04	3.16E-07	8.00E-09	8.67E-04	3.28E-07	8.29E-09	2.68E-06	1.38E-06
1667	494761.06, 3858851.99	0.0177314	6.70E-06	2.63E-06	9.16E-03	3.46E-06	1.36E-06	8.24E-04	3.12E-07	7.88E-09	8.54E-04	3.23E-07	8.17E-09	2.63E-06	1.36E-06
1668	494811.06, 3858851.99	0.0174718	6.61E-06	2.60E-06	9.03E-03	3.41E-06	1.34E-06	8.15E-04	3.08E-07	7.79E-09	8.44E-04	3.19E-07	8.07E-09	2.60E-06	1.34E-06
1669	494861.06, 3858851.99	0.0172838	6.53E-06	2.57E-06	8.93E-03	3.38E-06	1.33E-06	8.07E-04	3.05E-07	7.72E-09	8.36E-04	3.16E-07	7.99E-09	2.57E-06	1.33E-06
1670	494911.06, 3858851.99	0.0170359	6.44E-06	2.53E-06	8.81E-03	3.33E-06	1.31E-06	7.96E-04	3.01E-07	7.61E-09	8.24E-04	3.12E-07	7.88E-09	2.53E-06	1.31E-06
1671	494961.06, 3858851.99	0.0168067	6.35E-06	2.50E-06	8.69E-03	3.29E-06	1.29E-06	7.88E-04	2.98E-07	7.54E-09	8.16E-04	3.09E-07	7.81E-09	2.50E-06	1.29E-06
1672	495011.06, 3858851.99	0.0166064	6.28E-06	2.47E-06	8.59E-03	3.25E-06	1.28E-06	7.80E-04	2.95E-07	7.46E-09	8.08E-04	3.05E-07	7.73E-09	2.47E-06	1.28E-06
1673	495061.06, 3858851.99	0.0163778	6.19E-06	2.43E-06	8.47E-03	3.20E-06	1.26E-06	7.72E-04	2.92E-07	7.39E-09	8.00E-04	3.02E-07	7.65E-09	2.43E-06	1.26E-06
1674	495111.06, 3858851.99	0.0160174	6.06E-06	2.38E-06	8.29E-03	3.13E-06	1.23E-06	7.60E-04	2.87E-07	7.27E-09	7.87E-04	2.97E-07	7.53E-09	2.38E-06	1.23E-06
1675	495161.06, 3858851.99	0.0158045	5.98E-06	2.35E-06	8.18E-03	3.09E-06	1.21E-06	7.52E-04	2.84E-07	7.19E-09	7.79E-04	2.94E-07	7.45E-09	2.35E-06	1.21E-06
1676	495211.06, 3858851.99	0.0157546	5.96E-06	2.34E-06	8.15E-03	3.08E-06	1.21E-06	7.50E-04	2.84E-07	7.18E-09	7.77E-04	2.94E-07	7.43E-09	2.34E-06	1.21E-06
1677	495261.06, 3858851.99	0.0156605	5.92E-06	2.33E-06	8.11E-03	3.06E-06	1.20E-06	7.47E-04	2.83E-07	7.15E-09	7.74E-04	2.93E-07	7.40E-09	2.33E-06	1.20E-06
1678	495311.06, 3858851.99	0.0155953	5.90E-06	2.32E-06	8.07E-03	3.05E-06	1.20E-06	7.44E-04	2.81E-07	7.12E-09	7.70E-04	2.91E-07	7.37E-09	2.32E-06	1.20E-06
1679	495361.06, 3858851.99	0.0155165	5.87E-06	2.30E-06	8.03E-03	3.04E-06	1.19E-06	7.41E-04	2.80E-07	7.09E-09	7.67E-04	2.90E-07	7.34E-09	2.30E-06	1.19E-06
1680	495411.06, 3858851.99	0.015425	5.83E-06	2.29E-06	7.98E-03	3.02E-06	1.19E-06	7.38E-04	2.79E-07	7.06E-09	7.64E-04	2.89E-07	7.31E-09	2.29E-06	1.19E-06
1681	495461.06, 3858851.99	0.0153486	5.80E-06	2.28E-06	7.95E-03	3.00E-06	1.18E-06	7.35E-04	2.78E-07	7.03E-09	7.62E-04	2.88E-07	7.29E-09	2.28E-06	1.18E-06
1682	495511.06, 3858851.99	0.0152849	5.78E-06	2.27E-06	7.91E-03	2.99E-06	1.18E-06	7.30E-04	2.76E-07	6.98E-09	7.57E-04	2.86E-07	7.24E-09	2.27E-06	1.18E-06
1683	495561.06, 3858851.99	0.0150702	5.70E-06	2.24E-06	7.80E-03	2.95E-06	1.16E-06	7.25E-04	2.74E-07	6.94E-09	7.51E-04	2.84E-07	7.18E-09	2.24E-06	1.16E-06
1684	495611.06, 3858851.99	0.0149267	5.64E-06	2.22E-06	7.73E-03	2.92E-06	1.15E-06	7.19E-04	2.72E-07	6.88E-09	7.46E-04	2.82E-07	7.14E-09	2.22E-06	1.15E-06
1685	495661.06, 3858851.99	0.0148643	5.62E-06	2.21E-06	7.70E-03	2.91E-06	1.14E-06	7.16E-04	2.71E-07	6.85E-09	7.43E-04	2.81E-07	7.10E-09	2.21E-06	1.14E-06
1686	494311.06, 3858901.99	0.0193308	7.31E-06	2.87E-06	9.99E-03	3.78E-06	1.48E-06	9.01E-04	3.41E-07	8.62E-09	9.30E-04	3.52E-07	8.90E-09	2.87E-06	1.48E-06
1687	494361.06, 3858901.99	0.0194036	7.34E-06	2.88E-06	1.00E-02	3.79E-06	1.49E-06	9.07E-04	3.43E-07	8.68E-09	9.39E-04	3.55E-07	8.98E-09	2.88E-06	1.49E-06
1688	494411.06, 3858901.99	0.0192949	7.30E-06	2.87E-06	9.98E-03	3.77E-06	1.48E-06	9.04E-04	3.42E-07	8.65E-09	9.35E-04	3.54E-07	8.95E-09	2.87E-06	1.48E-06

1689	494461.06, 3858901.99	0.0191795	7.25E-06	2.85E-06	9.92E-03	3.75E-06	1.47E-06	9.05E-04	3.42E-07	8.66E-09	9.35E-04	3.54E-07	8.95E-09	2.85E-06	1.47E-06
1690	494511.06, 3858901.99	0.0190548	7.20E-06	2.83E-06	9.86E-03	3.73E-06	1.46E-06	9.01E-04	3.41E-07	8.62E-09	9.32E-04	3.52E-07	8.92E-09	2.83E-06	1.46E-06
1691	494561.06, 3858901.99	0.0188671	7.13E-06	2.80E-06	9.76E-03	3.69E-06	1.45E-06	8.91E-04	3.37E-07	8.53E-09	9.22E-04	3.49E-07	8.82E-09	2.80E-06	1.45E-06
1692	494611.06, 3858901.99	0.0186026	7.03E-06	2.76E-06	9.62E-03	3.64E-06	1.43E-06	8.77E-04	3.32E-07	8.39E-09	9.09E-04	3.44E-07	8.70E-09	2.76E-06	1.43E-06
1693	494661.06, 3858901.99	0.0184182	6.96E-06	2.74E-06	9.53E-03	3.60E-06	1.41E-06	8.69E-04	3.29E-07	8.32E-09	8.99E-04	3.40E-07	8.60E-09	2.74E-06	1.42E-06
1694	494711.06, 3858901.99	0.0181573	6.86E-06	2.70E-06	9.39E-03	3.55E-06	1.39E-06	8.57E-04	3.24E-07	8.20E-09	8.86E-04	3.35E-07	8.48E-09	2.70E-06	1.40E-06
1695	494761.06, 3858901.99	0.0178665	6.76E-06	2.65E-06	9.24E-03	3.49E-06	1.37E-06	8.43E-04	3.19E-07	8.06E-09	8.72E-04	3.30E-07	8.34E-09	2.65E-06	1.37E-06
1696	494811.06, 3858901.99	0.0176516	6.67E-06	2.62E-06	9.13E-03	3.45E-06	1.36E-06	8.33E-04	3.15E-07	7.97E-09	8.62E-04	3.26E-07	8.24E-09	2.62E-06	1.36E-06
1697	494861.06, 3858901.99	0.017465	6.60E-06	2.59E-06	9.03E-03	3.42E-06	1.34E-06	8.26E-04	3.12E-07	7.90E-09	8.55E-04	3.23E-07	8.18E-09	2.59E-06	1.34E-06
1698	494911.06, 3858901.99	0.0171563	6.49E-06	2.55E-06	8.87E-03	3.36E-06	1.32E-06	8.11E-04	3.07E-07	7.76E-09	8.41E-04	3.18E-07	8.04E-09	2.55E-06	1.32E-06
1699	494961.06, 3858901.99	0.0169569	6.41E-06	2.52E-06	8.77E-03	3.32E-06	1.30E-06	8.04E-04	3.04E-07	7.69E-09	8.32E-04	3.15E-07	7.96E-09	2.52E-06	1.30E-06
1700	495011.06, 3858901.99	0.0167443	6.33E-06	2.49E-06	8.66E-03	3.28E-06	1.29E-06	7.96E-04	3.01E-07	7.61E-09	8.24E-04	3.12E-07	7.88E-09	2.49E-06	1.29E-06
1701	495061.06, 3858901.99	0.0164846	6.23E-06	2.45E-06	8.53E-03	3.23E-06	1.27E-06	7.85E-04	2.97E-07	7.51E-09	8.13E-04	3.07E-07	7.78E-09	2.45E-06	1.27E-06
1702	495111.06, 3858901.99	0.016126	6.10E-06	2.40E-06	8.35E-03	3.16E-06	1.24E-06	7.72E-04	2.92E-07	7.39E-09	8.00E-04	3.02E-07	7.65E-09	2.40E-06	1.24E-06
1703	495161.06, 3858901.99	0.0159734	6.04E-06	2.37E-06	8.27E-03	3.13E-06	1.23E-06	7.66E-04	2.90E-07	7.33E-09	7.93E-04	3.00E-07	7.59E-09	2.37E-06	1.23E-06
1704	495211.06, 3858901.99	0.0159704	6.04E-06	2.37E-06	8.27E-03	3.13E-06	1.23E-06	7.66E-04	2.90E-07	7.33E-09	7.93E-04	3.00E-07	7.59E-09	2.37E-06	1.23E-06
1705	495261.06, 3858901.99	0.0158931	6.01E-06	2.36E-06	8.23E-03	3.11E-06	1.22E-06	7.63E-04	2.88E-07	7.30E-09	7.90E-04	2.99E-07	7.56E-09	2.36E-06	1.22E-06
1706	495311.06, 3858901.99	0.0157997	5.97E-06	2.35E-06	8.18E-03	3.09E-06	1.21E-06	7.58E-04	2.87E-07	7.25E-09	7.87E-04	2.97E-07	7.53E-09	2.35E-06	1.22E-06
1707	495361.06, 3858901.99	0.0157092	5.94E-06	2.33E-06	8.13E-03	3.08E-06	1.21E-06	7.55E-04	2.85E-07	7.22E-09	7.82E-04	2.96E-07	7.48E-09	2.33E-06	1.21E-06
1708	495411.06, 3858901.99	0.0156507	5.92E-06	2.32E-06	8.10E-03	3.06E-06	1.20E-06	7.53E-04	2.85E-07	7.21E-09	7.80E-04	2.95E-07	7.46E-09	2.32E-06	1.20E-06
1709	495461.06, 3858901.99	0.015546	5.88E-06	2.31E-06	8.05E-03	3.04E-06	1.20E-06	7.49E-04	2.83E-07	7.16E-09	7.77E-04	2.94E-07	7.43E-09	2.31E-06	1.20E-06
1710	495511.06, 3858901.99	0.0154009	5.82E-06	2.29E-06	7.98E-03	3.02E-06	1.18E-06	7.44E-04	2.81E-07	7.12E-09	7.70E-04	2.91E-07	7.37E-09	2.29E-06	1.19E-06
1711	495561.06, 3858901.99	0.0152873	5.78E-06	2.27E-06	7.92E-03	2.99E-06	1.18E-06	7.39E-04	2.80E-07	7.07E-09	7.66E-04	2.89E-07	7.32E-09	2.27E-06	1.18E-06
1712	495611.06, 3858901.99	0.0151348	5.72E-06	2.25E-06	7.84E-03	2.96E-06	1.16E-06	7.33E-04	2.77E-07	7.01E-09	7.61E-04	2.88E-07	7.28E-09	2.25E-06	1.16E-06
1713	495661.06, 3858901.99	0.0150975	5.71E-06	2.24E-06	7.82E-03	2.96E-06	1.16E-06	7.32E-04	2.77E-07	7.00E-09	7.57E-04	2.86E-07	7.24E-09	2.24E-06	1.16E-06
1714	494311.06, 3858951.99	0.0196461	7.43E-06	2.92E-06	1.02E-02	3.84E-06	1.51E-06	9.35E-04	3.54E-07	8.95E-09	9.66E-04	3.65E-07	9.24E-09	2.92E-06	1.51E-06
1715	494361.06, 3858951.99	0.0195711	7.40E-06	2.91E-06	1.01E-02	3.83E-06	1.50E-06	9.35E-04	3.54E-07	8.95E-09	9.66E-04	3.65E-07	9.24E-09	2.91E-06	1.50E-06
1716	494411.06, 3858951.99	0.0193997	7.33E-06	2.88E-06	1.00E-02	3.80E-06	1.49E-06	9.27E-04	3.51E-07	8.87E-09	9.58E-04	3.62E-07	9.17E-09	2.88E-06	1.49E-06
1717	494461.06, 3858951.99	0.0192859	7.29E-06	2.86E-06	9.99E-03	3.78E-06	1.48E-06	9.29E-04	3.51E-07	8.89E-09	9.60E-04	3.63E-07	9.18E-09	2.86E-06	1.48E-06
1718	494511.06, 3858951.99	0.0191459	7.24E-06	2.84E-06	9.91E-03	3.75E-06	1.47E-06	9.23E-04	3.49E-07	8.83E-09	9.53E-04	3.60E-07	9.12E-09	2.84E-06	1.47E-06
1719	494561.06, 3858951.99	0.0189601	7.17E-06	2.82E-06	9.82E-03	3.71E-06	1.46E-06	9.13E-04	3.45E-07	8.74E-09	9.43E-04	3.57E-07	9.02E-09	2.82E-06	1.46E-06
1720	494611.06, 3858951.99	0.0187287	7.08E-06	2.78E-06	9.70E-03	3.67E-06	1.44E-06	9.01E-04	3.41E-07	8.62E-09	9.32E-04	3.52E-07	8.92E-09	2.78E-06	1.44E-06
1721	494661.06, 3858951.99	0.0185124	7.00E-06	2.75E-06	9.58E-03	3.62E-06	1.42E-06	8.88E-04	3.36E-07	8.50E-09	9.19E-04	3.47E-07	8.79E-09	2.75E-06	1.42E-06
1722	494711.06, 3858951.99	0.0182384	6.90E-06	2.71E-06	9.44E-03	3.57E-06	1.40E-06	8.74E-04	3.30E-07	8.36E-09	9.04E-04	3.42E-07	8.65E-09	2.71E-06	1.40E-06
1723	494761.06, 3858951.99	0.0180101	6.81E-06	2.68E-06	9.32E-03	3.52E-06	1.38E-06	8.62E-04	3.26E-07	8.24E-09	8.93E-04	3.38E-07	8.54E-09	2.68E-06	1.39E-06
1724	494811.06, 3858951.99	0.0178298	6.74E-06	2.65E-06	9.23E-03	3.49E-06	1.37E-06	8.54E-04	3.23E-07	8.17E-09	8.83E-04	3.34E-07	8.45E-09	2.65E-06	1.37E-06
1725	494861.06, 3858951.99	0.0176298	6.67E-06	2.62E-06	9.13E-03	3.45E-06	1.36E-06	8.44E-04	3.19E-07	8.08E-09	8.75E-04	3.31E-07	8.37E-09	2.62E-06	1.36E-06
1726	494911.06, 3858951.99	0.0173853	6.57E-06	2.58E-06	9.00E-03	3.40E-06	1.34E-06	8.33E-04	3.15E-07	7.97E-09	8.63E-04	3.26E-07	8.26E-09	2.58E-06	1.34E-06
1727	494961.06, 3858951.99	0.0172321	6.52E-06	2.56E-06	8.92E-03	3.37E-06	1.32E-06	8.26E-04	3.12E-07	7.90E-09	8.55E-04	3.23E-07	8.18E-09	2.56E-06	1.33E-06
1728	495011.06, 3858951.99	0.0168681	6.38E-06	2.51E-06	8.73E-03	3.30E-06	1.30E-06	8.10E-04	3.06E-07	7.75E-09	8.41E-04	3.18E-07	8.04E-09	2.51E-06	1.30E-06
1729	495061.06, 3858951.99	0.016523	6.25E-06	2.45E-06	8.56E-03	3.23E-06	1.27E-06	7.96E-04	3.01E-07	7.61E-09	8.24E-04	3.12E-07	7.88E-09	2.45E-06	1.27E-06
1730	495111.06, 3858951.99	0.0162393	6.14E-06	2.41E-06	8.41E-03	3.18E-06	1.25E-06	7.85E-04	2.97E-07	7.51E-09	8.13E-04	3.07E-07	7.78E-09	2.41E-06	1.25E-06
1731	495161.06, 3858951.99	0.0162725	6.15E-06	2.42E-06	8.43E-03	3.19E-06	1.25E-06	7.86E-04	2.97E-07	7.52E-09	8.15E-04	3.08E-07	7.79E-09	2.42E-06	1.25E-06
1732	495211.06, 3858951.99	0.0161997	6.12E-06	2.41E-06	8.39E-03	3.17E-06	1.25E-06	7.83E-04	2.96E-07	7.49E-09	8.11E-04	3.07E-07	7.76E-09	2.41E-06	1.25E-06
1733	495261.06, 3858951.99	0.0161246	6.10E-06	2.40E-06	8.35E-03	3.16E-06	1.24E-06	7.79E-04	2.94E-07	7.45E-09	8.08E-04	3.05E-07	7.73E-09	2.40E-06	1.24E-06
1734	495311.06, 3858951.99	0.0159608	6.03E-06	2.37E-06	8.27E-03	3.13E-06	1.23E-06	7.72E-04	2.92E-07	7.39E-09	8.01E-04	3.03E-07	7.67E-09	2.37E-06	1.23E-06
1735	495361.06, 3858951.99	0.0159042	6.01E-06	2.36E-06	8.24E-03	3.11E-06	1.22E-06	7.71E-04	2.91E-07	7.37E-09	7.98E-04	3.02E-07	7.64E-09	2.36E-06	1.22E-06
1736	495411.06, 3858951.99	0.0158609	6.00E-06	2.36E-06	8.22E-03	3.11E-06	1.22E-06	7.68E-04	2.90E-07	7.34E-09	7.97E-04	3.01E-07	7.62E-09	2.36E-06	1.22E-06
1737	495461.06, 3858951.99	0.015761	5.96E-06	2.34E-06	8.17E-03	3.09E-06	1.21E-06	7.64E-04	2.89E-07	7.31E-09	7.93E-04	3.00E-07	7.59E-09	2.34E-06	1.21E-06
1738	495511.06, 3858951.99	0.0157067	5.94E-06	2.33E-06	8.14E-03	3.08E-06	1.21E-06	7.61E-04	2.88E-07	7.28E-09	7.90E-04	2.99E-07	7.56E-09	2.33E-06	1.21E-06
1739	495561.06, 3858951.99	0.015506	5.86E-06	2.30E-06	8.03E-03	3.04E-06	1.19E-06	7.53E-04	2.85E-07	7.21E-09	7.82E-04	2.96E-07	7.48E-09	2.30E-06	1.19E-06
1740	495611.06, 3858951.99	0.0153743	5.81E-06	2.28E-06	7.97E-03	3.01E-06	1.18E-06	7.47E-04	2.83E-07	7.15E-09	7.75E-04	2.93E-07	7.42E-09	2.28E-06	1.18E-06
1741	495661.06, 3858951.99	0.015366	5.81E-06	2.28E-06	7.96E-03	3.01E-06	1.18E-06	7.46E-04	2.82E-07	7.13E-09	7.74E-04	2.93E-07	7.40E-09	2.28E-06	1.18E-06
1742	494311.06, 3859001.99	0.0197903	7.48E-06	2.94E-06	1.03E-02	3.88E-06	1.52E-06	9.67E-04	3.65E-07	9.25E-09	9.97E-04	3.77E-07	9.54E-09	2.94E-06	1.52E-06
1743	494361.06, 3859001.99	0.019666	7.44E-06	2.92E-06	1.02E-02	3.85E-06	1.51E-06	9.62E-04	3.64E-07	9.20E-09	9.92E-04	3.75E-07	9.49E-09	2.92E-06	1.51E-06
1744	494411.06, 3859001.99	0.0195197	7.38E-06	2.90E-06	1.01E-02	3.83E-06	1.50E-06	9.60E-04	3.63E-07	9.19E-09	9.91E-04	3.75E-07	9.48E-09	2.90E-06	1.50E-06
1745	494461.06, 3859001.99	0.0193669	7.32E-06	2.88E-06	1.00E-02	3.80E-06	1.49E-06	9.54E-04	3.61E-07	9.13E-09	9.84E-04	3.72E-07	9.42E-09	2.88E-06	1.49E-06
1746	494511.06, 3859001.99	0.0192134	7.26E-06	2.85E-06	9.96E-03	3.77E-06	1.48E-06	9.46E-04	3.58E-07	9.05E-09	9.78E-04	3.70E-07	9.35E-09	2.85E-06	1.48E-06
1747	494561.06, 3859001.99	0.0190113	7.19E-06	2.82E-06	9.86E-03	3.73E-06	1.46E-06	9.34E-04	3.53E-07	8.93E-09	9.65E-04	3.65E-07	9.23E-09	2.82E-06	1.46E-06
1748	494611.06, 3859001.99	0.0188138	7.11E-06	2.79E-06	9.75E-03	3.69E-06	1.45E-06	9.23E-04	3.49E-07	8.83E-09	9.53E-04	3.60E-07	9.12E-09	2.79E-06	1.45E-06
1749	494661.06, 3859001.99	0.0185862	7.03E-06	2.76E-06	9.63E-03	3.64E-06	1.43E-06	9.09E-04	3.44E-07	8.69E-09	9.39E-04	3.55E-07	8.98E-09	2.76E-06	1.43E-06
1750	494711.06, 3859001.99	0.0183305	6.93E-06	2.72E-06	9.50E-03	3.59E-06	1.41E-06	8.93E-04	3.38E-07	8.54E-09	9.24E-04	3.49E-07	8.84E-09	2.72E-06	1.41E-06
1751	494761.06, 3859001.99	0.0181432	6.86E-06	2.69E-06	9.40E-03	3.55E-06	1.40E-06	8.84E-04	3.34E-07	8.45E-09	9.14E-04	3.46E-07	8.74E-09	2.70E-06	1.40E-06
1752	494811.06, 3859001.99	0.0180019	6.81E-06	2.67E-06	9.33E-03	3.53E-06	1.39E-06	8.76E-04	3.31E-07	8.38E-09	9.06E-04	3.43E-07	8.67E-09	2.67E-06	1.39E-06
1753	494861.06, 3859001.99	0.0177923	6.73E-06	2.64E-06	9.22E-03	3.49E-06	1.37E-06	8.65E-04	3.27E-07	8.27E-09	8.94E-04	3.38E-07	8.56E-09	2.64E-06	1.37E-06
1754	494911.06, 3859001.99	0.0175832	6.65E-06	2.61E-06	9.11E-03	3.44E-06	1.35E-06	8.54E-04	3.23E-07	8.17E-09	8.83E-04	3.34E-07	8.45E-09	2.61E-06	1.35E-06
1755	494961.06, 3859001.99	0.0173494	6.56E-06	2.58E-06	8.99E-03	3.40E-06	1.34E-06	8.43E-04	3.19E-07	8.06E-09	8.72E-04	3.30E-07	8.34E-09	2.58E-06	1.34E-06
1756	495011.06, 3859001.99	0.0168472	6.37E-06	2.50E-06	8.73E-03	3.30E-06	1.30E-06	8.18E-04	3.09E-07	7.82E-09	8.47E-04	3.20E-07	8.10E-09	2.50E-06	1.30E-06
1757	495061.06, 3859001.99	0.0166933	6.31E-06	2.48E-06	8.65E-03	3.27E-06	1.28E-06	8.11E-04	3.07E-07	7.76E-09	8.41E-04	3.18E-07	8.04E-09	2.48E-06	1.28E-06
1758	495111.06, 3859001.99	0.0164296	6.21E-06	2.44E-06	8.51E-03	3.22E-06	1.26E-06	8.00E-04	3.03E-07	7.66E-09	8.29E-04	3.14E-07	7.93E-09	2.44E-06	1.26E-06
1759	495161.06, 3859001.99	0.0165359	6.25E-06	2.46E-06	8.57E-03	3.24E-06	1.27E-06	8.04E-04	3.04E-07	7.69E-09	8.32E-04	3.15E-07	7.96E-09	2.46E-06	1.27E-06
1760	495211.06, 3859001.99	0.0164399	6.22E-06	2.44E-06	8.52E-03	3.22E-06	1.27E-06	7.99E-04	3.02E-07	7.64E-09	8.28E-04	3.13E-07	7.92E-09	2.44E-06	1.27E-06
1761	495261.06, 3859001.99	0.0163747	6.19E-06	2.43E-06	8.48E-03	3.21E-06	1.26E-06	7.96E-04	3.01E-07	7.61E-09	8.26E-04	3.12E-07	7.90E-09	2.43E-06	1.26E-06
1762	495311.06, 3859001.99	0.0162609	6.15E-06	2.42E-06	8.43E-03	3.19E-06	1.25E-06	7.91E-04	2.99E-07	7.57E-09	8.21E-04	3.10E-07	7.85E-09	2.42E-06	1.25E-06
1763	495361.06, 3859001.99	0.0161929	6.12E-06	2.41E-06	8.39E-03	3.17E-06	1.25E-06	7.88E-04	2.98E-07	7.54E-09	8.18E-04	3.09E-07	7.82E-09	2.41E-06	1.25E-06
1764	495411.06, 3859001.99	0.016109	6.09E-06	2.39E-06	8.35E-03	3.16E-06	1.24E-06	7.85E-04	2.97E-07	7.51E-09	8.13E-04	3.07E-07	7.78E-09	2.39E-06	1.24E-06
1765	495461.06, 3859001.99	0.0160409	6.06E-06	2.38E-06	8.31E-03	3.14E-06	1.23E-06	7.82E-04	2.96E-07	7.48E-09	8.10E-04	3.06E-07	7.74E-09	2.38E-06	1.23E-06
1766	495511.06, 3859001.99	0.015865	6.00E-06	2.36E-06	8.22E-03	3.11E-06	1.22E-06	7.74E-04	2.93E-07	7.40E-09	8.03E-04	3.04E-07	7.68E-09	2.36E-06	1.22E-06
1767	495561.06, 3859001.99	0.0157592	5.96E-06	2.34E-06	8.17E-03	3.09E-06	1.21E-06	7.69E-04	2.91E-07	7.36E-09	7.98E-04	3.02E-07	7.64E-09	2.34E-06	1.21E-06
1768	495611.06, 3859001.99	0.0156646	5.92E-06	2.33E-06	8.12E-03	3.07E-06	1.21E-06	7.63E-04	2.88E-07	7.30E-09	7.92E-04	2.99E-07	7.57E-09	2.33E-06	1.21E-06
1769	495661.06, 3859001.99	0.0157169	5.94E-06	2.33E-06	8.14E-03	3.08E-06	1.21E-06	7.63E-04	2.88E-07	7.30E-09	7.92E-04	2.99E-07	7.57E-09	2.33E-06	1.21E-06
1770	494311.06, 3859051.99	0.0198624	7.51E-06	2.95E-06	1.03E-02	3.90E-06	1.53E-06	9.96E-04	3.77E-07	9.53E-09	1.03E-03	3.88E-07	9.81E-09	2.95E-06	1.53E-06
1771	494361.06, 3859051.99	0.0197324	7.46E-06	2.93E-06	1.02E-02	3.87E-06	1.52E-06	9.96E-04	3.77E-07	9.53E-09	1.03E-03	3.88E-07	9.82E-09	2.93E-06	1.52E-06
1772	494411.06, 3859051.99	0.0195609	7.40E-06	2.91E-06	1.02E-02	3.84E-06	1.51E-06	9.87E-04	3.73E-07	9.44E-09	1.02E-03	3.84E-07	9.73E-09	2.91E-06	1.51E-06
1773	494461.06, 3859051.99	0.0193901	7.33E-06	2.88E-06	1.01E-02	3.81E-06	1.50E-06	9.78E-04	3.70E-07	9.35E-09	1.01E-03	3.81E-07	9.63E-09	2.88E-06	1.50E-06
1774	494511.06, 3859051.99	0.019205	7.26E-06	2.85E-06	9.97E-03	3.77E-06	1.48E-06	9.67E-04	3.65E-07	9.25E-09	9.96E-04	3.76E-07	9.52E-09	2.85E-06	1.48E-06
1775	494561.06, 3859051.99	0.0190373	7.20E-06	2.83E-06	9.88E-03	3.74E-06	1.47E-06	9.56E-04	3.61E-07	9.14E-09	9.86E-04	3.73E-07	9.43E-09	2.83E-06	1.47E-06
1776	494611.06, 3859051.99	0.0188431	7.12E-06	2.80E-06	9.78E-03	3.70E-06	1.45E-06	9.43E-04	3.57E-07	9.02E-09	9.73E-04	3.68E-07	9.31E-09	2.80E-06	1.45E-06
1777	494661.06, 3859051.99	0.0186523	7.05E-06	2.77E-06	9.68E-03	3.66E-06	1.44E-06	9.29E-04	3.51E-07	8.89E-09	9.60E-04	3.63E-07	9.18E-09	2.77E-06	1.44E-06
1778	494711.06, 3859051.99	0.0184581	6.98E-06	2.74E-06	9.58E-03	3.62E-06	1.42E-06	9.16E-04	3.46E-07	8.77E-09	9.48E-04	3.59E-07	9.07E-09	2.74E-06	1.42E-06
1779	494761.06, 3859051.99	0.0182726	6.91E-06	2.71E-06	9.48E-03	3.58E-06	1.41E-06	9.04E-04	3.42E-07	8.65E-09	9.35E-04	3.54E-07	8.95E-09	2.71E-06	1.41E-06
1780	494811.06, 3859051.99	0.0181408	6.86E-06	2.69E-06	9.41E-03	3.56E-06	1.40E-06	8.94E-04	3.38E-07	8.56E-09	9.26E-04	3.50E-07	8.85E-09	2.69E-06	1.40E-06
1781	494861.06, 3859051.99	0.0179854	6.80E-06	2.67E-06	9.33E-03	3.53E-06	1.39E-06	8.85E-04	3.35E-07	8.47E-09	9.16E-04	3.46E-07	8.76E-09	2.67E-06	1.39E-06
1782	494911.06, 3859051.99	0.0177661	6.72E-06	2.64E-06	9.21E-03	3.48E-06	1.37E-06	8.71E-04	3.29E-07	8.33E-09	9.03E-04	3.41E-07	8.63E-09	2.64E-06	1.37E-06

1783	494961.06, 3859051.99	0.0174759	6.61E-06	2.60E-06	9.06E-03	3.42E-06	1.35E-06	8.54E-04	3.23E-07	8.17E-09	8.85E-04	3.34E-07	8.46E-09	2.60E-06	1.35E-06
1784	495011.06, 3859051.99	0.0172207	6.51E-06	2.56E-06	8.92E-03	3.37E-06	1.33E-06	8.40E-04	3.17E-07	8.03E-09	8.70E-04	3.29E-07	8.32E-09	2.56E-06	1.33E-06
1785	495061.06, 3859051.99	0.0170392	6.44E-06	2.53E-06	8.83E-03	3.34E-06	1.31E-06	8.30E-04	3.14E-07	7.94E-09	8.60E-04	3.25E-07	8.23E-09	2.53E-06	1.31E-06
1786	495111.06, 3859051.99	0.016916	6.40E-06	2.51E-06	8.76E-03	3.31E-06	1.30E-06	8.22E-04	3.11E-07	7.87E-09	8.54E-04	3.23E-07	8.17E-09	2.51E-06	1.30E-06
1787	495161.06, 3859051.99	0.0169456	6.41E-06	2.52E-06	8.78E-03	3.32E-06	1.30E-06	8.22E-04	3.11E-07	7.87E-09	8.54E-04	3.23E-07	8.17E-09	2.52E-06	1.30E-06
1788	495211.06, 3859051.99	0.0168075	6.35E-06	2.50E-06	8.71E-03	3.29E-06	1.29E-06	8.16E-04	3.09E-07	7.81E-09	8.46E-04	3.20E-07	8.09E-09	2.50E-06	1.29E-06
1789	495261.06, 3859051.99	0.0167923	6.35E-06	2.49E-06	8.70E-03	3.29E-06	1.29E-06	8.15E-04	3.08E-07	7.79E-09	8.44E-04	3.19E-07	8.07E-09	2.49E-06	1.29E-06
1790	495311.06, 3859051.99	0.0166637	6.30E-06	2.48E-06	8.63E-03	3.26E-06	1.28E-06	8.08E-04	3.06E-07	7.73E-09	8.39E-04	3.17E-07	8.03E-09	2.48E-06	1.28E-06
1791	495361.06, 3859051.99	0.0165858	6.27E-06	2.46E-06	8.59E-03	3.25E-06	1.28E-06	8.05E-04	3.04E-07	7.70E-09	8.34E-04	3.15E-07	7.98E-09	2.46E-06	1.28E-06
1792	495411.06, 3859051.99	0.0165281	6.25E-06	2.45E-06	8.56E-03	3.24E-06	1.27E-06	8.02E-04	3.03E-07	7.67E-09	8.32E-04	3.15E-07	7.96E-09	2.46E-06	1.27E-06
1793	495461.06, 3859051.99	0.0164672	6.23E-06	2.45E-06	8.53E-03	3.23E-06	1.27E-06	7.99E-04	3.02E-07	7.64E-09	8.29E-04	3.14E-07	7.93E-09	2.45E-06	1.27E-06
1794	495511.06, 3859051.99	0.0162945	6.16E-06	2.42E-06	8.44E-03	3.19E-06	1.25E-06	7.91E-04	2.99E-07	7.57E-09	8.21E-04	3.10E-07	7.85E-09	2.42E-06	1.25E-06
1795	495561.06, 3859051.99	0.016168	6.11E-06	2.40E-06	8.38E-03	3.17E-06	1.24E-06	7.85E-04	2.97E-07	7.51E-09	8.15E-04	3.08E-07	7.79E-09	2.40E-06	1.24E-06
1796	495611.06, 3859051.99	0.0160649	6.07E-06	2.39E-06	8.32E-03	3.15E-06	1.24E-06	7.79E-04	2.94E-07	7.45E-09	8.08E-04	3.05E-07	7.73E-09	2.39E-06	1.24E-06
1797	495661.06, 3859051.99	0.0161524	6.11E-06	2.40E-06	8.36E-03	3.16E-06	1.24E-06	7.79E-04	2.94E-07	7.45E-09	8.08E-04	3.05E-07	7.73E-09	2.40E-06	1.24E-06
1798	494311.06, 3859101.99	0.0199023	7.52E-06	2.96E-06	1.04E-02	3.91E-06	1.54E-06	1.03E-03	3.90E-07	9.87E-09	1.06E-03	4.01E-07	1.01E-08	2.96E-06	1.54E-06
1799	494361.06, 3859101.99	0.0197309	7.46E-06	2.93E-06	1.03E-02	3.88E-06	1.52E-06	1.02E-03	3.87E-07	9.78E-09	1.05E-03	3.98E-07	1.01E-08	2.93E-06	1.52E-06
1800	494411.06, 3859101.99	0.0195783	7.40E-06	2.91E-06	1.02E-02	3.85E-06	1.51E-06	1.02E-03	3.84E-07	9.72E-09	1.04E-03	3.95E-07	9.99E-09	2.91E-06	1.51E-06
1801	494461.06, 3859101.99	0.0194066	7.34E-06	2.88E-06	1.01E-02	3.82E-06	1.50E-06	1.01E-03	3.80E-07	9.62E-09	1.03E-03	3.91E-07	9.90E-09	2.88E-06	1.50E-06
1802	494511.06, 3859101.99	0.0192163	7.27E-06	2.85E-06	9.99E-03	3.78E-06	1.48E-06	9.90E-04	3.74E-07	9.47E-09	1.02E-03	3.86E-07	9.76E-09	2.85E-06	1.48E-06
1803	494561.06, 3859101.99	0.019051	7.20E-06	2.83E-06	9.91E-03	3.74E-06	1.47E-06	9.79E-04	3.70E-07	9.37E-09	1.01E-03	3.81E-07	9.65E-09	2.83E-06	1.47E-06
1804	494611.06, 3859101.99	0.0188434	7.12E-06	2.80E-06	9.79E-03	3.70E-06	1.45E-06	9.63E-04	3.64E-07	9.22E-09	9.94E-04	3.76E-07	9.51E-09	2.80E-06	1.46E-06
1805	494661.06, 3859101.99	0.0186963	7.07E-06	2.78E-06	9.72E-03	3.67E-06	1.44E-06	9.52E-04	3.60E-07	9.11E-09	9.83E-04	3.72E-07	9.40E-09	2.78E-06	1.44E-06
1806	494711.06, 3859101.99	0.0185031	7.00E-06	2.75E-06	9.61E-03	3.63E-06	1.43E-06	9.35E-04	3.54E-07	8.95E-09	9.66E-04	3.65E-07	9.24E-09	2.75E-06	1.43E-06
1807	494761.06, 3859101.99	0.0184368	6.97E-06	2.74E-06	9.57E-03	3.62E-06	1.42E-06	9.29E-04	3.51E-07	8.89E-09	9.60E-04	3.63E-07	9.18E-09	2.74E-06	1.42E-06
1808	494811.06, 3859101.99	0.0183913	6.95E-06	2.73E-06	9.54E-03	3.61E-06	1.42E-06	9.16E-04	3.46E-07	8.77E-09	9.48E-04	3.59E-07	9.07E-09	2.73E-06	1.42E-06
1809	494861.06, 3859101.99	0.018357	6.94E-06	2.73E-06	9.52E-03	3.60E-06	1.41E-06	9.05E-04	3.42E-07	8.66E-09	9.37E-04	3.54E-07	8.96E-09	2.73E-06	1.41E-06
1810	494911.06, 3859101.99	0.0182814	6.91E-06	2.72E-06	9.47E-03	3.58E-06	1.41E-06	8.91E-04	3.37E-07	8.53E-09	9.22E-04	3.49E-07	8.82E-09	2.72E-06	1.41E-06
1811	494961.06, 3859101.99	0.018111	6.85E-06	2.69E-06	9.38E-03	3.55E-06	1.39E-06	8.73E-04	3.30E-07	8.35E-09	9.03E-04	3.41E-07	8.63E-09	2.69E-06	1.39E-06
1812	495011.06, 3859101.99	0.0178275	6.74E-06	2.65E-06	9.23E-03	3.49E-06	1.37E-06	8.52E-04	3.22E-07	8.15E-09	8.83E-04	3.34E-07	8.45E-09	2.65E-06	1.37E-06
1813	495061.06, 3859101.99	0.0178955	6.77E-06	2.66E-06	9.26E-03	3.50E-06	1.38E-06	8.49E-04	3.21E-07	8.12E-09	8.80E-04	3.33E-07	8.42E-09	2.66E-06	1.38E-06
1814	495111.06, 3859101.99	0.0178058	6.73E-06	2.64E-06	9.21E-03	3.48E-06	1.37E-06	8.41E-04	3.18E-07	8.05E-09	8.72E-04	3.30E-07	8.34E-09	2.65E-06	1.37E-06
1815	495161.06, 3859101.99	0.0178691	6.76E-06	2.65E-06	9.24E-03	3.49E-06	1.37E-06	8.41E-04	3.18E-07	8.05E-09	8.72E-04	3.30E-07	8.34E-09	2.65E-06	1.37E-06
1816	495211.06, 3859101.99	0.0177408	6.71E-06	2.64E-06	9.17E-03	3.47E-06	1.36E-06	8.35E-04	3.16E-07	7.99E-09	8.65E-04	3.27E-07	8.28E-09	2.64E-06	1.36E-06
1817	495261.06, 3859101.99	0.017714	6.70E-06	2.63E-06	9.16E-03	3.46E-06	1.36E-06	8.32E-04	3.14E-07	7.96E-09	8.62E-04	3.26E-07	8.24E-09	2.63E-06	1.36E-06
1818	495311.06, 3859101.99	0.0176816	6.69E-06	2.63E-06	9.14E-03	3.46E-06	1.36E-06	8.26E-04	3.12E-07	7.90E-09	8.57E-04	3.24E-07	8.20E-09	2.63E-06	1.36E-06
1819	495361.06, 3859101.99	0.0176186	6.66E-06	2.62E-06	9.11E-03	3.44E-06	1.35E-06	8.26E-04	3.12E-07	7.90E-09	8.55E-04	3.23E-07	8.18E-09	2.62E-06	1.35E-06
1820	495411.06, 3859101.99	0.0175502	6.64E-06	2.61E-06	9.07E-03	3.43E-06	1.35E-06	8.21E-04	3.10E-07	7.85E-09	8.52E-04	3.22E-07	8.15E-09	2.61E-06	1.35E-06
1821	495461.06, 3859101.99	0.017468	6.60E-06	2.59E-06	9.03E-03	3.41E-06	1.34E-06	8.13E-04	3.07E-07	7.78E-09	8.42E-04	3.18E-07	8.06E-09	2.59E-06	1.34E-06
1822	495511.06, 3859101.99	0.0173882	6.57E-06	2.58E-06	8.99E-03	3.40E-06	1.33E-06	8.08E-04	3.06E-07	7.73E-09	8.39E-04	3.17E-07	8.03E-09	2.58E-06	1.33E-06
1823	495561.06, 3859101.99	0.0172166	6.51E-06	2.56E-06	8.90E-03	3.36E-06	1.32E-06	8.04E-04	3.04E-07	7.69E-09	8.34E-04	3.15E-07	7.98E-09	2.56E-06	1.32E-06
1824	495611.06, 3859101.99	0.0171003	6.47E-06	2.54E-06	8.84E-03	3.34E-06	1.31E-06	7.97E-04	3.01E-07	7.63E-09	8.28E-04	3.13E-07	7.92E-09	2.54E-06	1.31E-06
1825	495661.06, 3859101.99	0.0171753	6.49E-06	2.55E-06	8.87E-03	3.35E-06	1.32E-06	7.94E-04	3.00E-07	7.60E-09	8.24E-04	3.12E-07	7.88E-09	2.55E-06	1.32E-06
1826	494311.06, 3859151.99	0.0198916	7.52E-06	2.95E-06	1.04E-02	3.92E-06	1.54E-06	1.06E-03	4.02E-07	1.02E-08	1.09E-03	4.12E-07	1.04E-08	2.95E-06	1.54E-06
1827	494361.06, 3859151.99	0.0197376	7.46E-06	2.93E-06	1.03E-02	3.89E-06	1.53E-06	1.05E-03	3.99E-07	1.01E-08	1.08E-03	4.09E-07	1.04E-08	2.93E-06	1.53E-06
1828	494411.06, 3859151.99	0.0195482	7.39E-06	2.90E-06	1.02E-02	3.85E-06	1.51E-06	1.04E-03	3.94E-07	9.96E-09	1.07E-03	4.05E-07	1.02E-08	2.90E-06	1.51E-06
1829	494461.06, 3859151.99	0.0193743	7.33E-06	2.88E-06	1.01E-02	3.82E-06	1.50E-06	1.03E-03	3.89E-07	9.84E-09	1.06E-03	4.00E-07	1.01E-08	2.88E-06	1.50E-06
1830	494511.06, 3859151.99	0.0191848	7.25E-06	2.85E-06	9.99E-03	3.78E-06	1.48E-06	1.01E-03	3.83E-07	9.69E-09	1.04E-03	3.94E-07	9.98E-09	2.85E-06	1.48E-06
1831	494561.06, 3859151.99	0.0190362	7.20E-06	2.83E-06	9.91E-03	3.75E-06	1.47E-06	1.00E-03	3.79E-07	9.59E-09	1.03E-03	3.90E-07	9.87E-09	2.83E-06	1.47E-06
1832	494611.06, 3859151.99	0.018847	7.13E-06	2.80E-06	9.81E-03	3.71E-06	1.46E-06	9.87E-04	3.73E-07	9.44E-09	1.02E-03	3.84E-07	9.73E-09	2.80E-06	1.46E-06
1833	494661.06, 3859151.99	0.018708	7.07E-06	2.78E-06	9.74E-03	3.68E-06	1.45E-06	9.76E-04	3.69E-07	9.34E-09	1.01E-03	3.81E-07	9.63E-09	2.78E-06	1.45E-06
1834	494711.06, 3859151.99	0.0186157	7.04E-06	2.77E-06	9.69E-03	3.66E-06	1.44E-06	9.67E-04	3.65E-07	9.25E-09	9.97E-04	3.77E-07	9.54E-09	2.77E-06	1.44E-06
1835	494761.06, 3859151.99	0.0185379	7.01E-06	2.75E-06	9.64E-03	3.64E-06	1.43E-06	9.51E-04	3.60E-07	9.10E-09	9.81E-04	3.71E-07	9.38E-09	2.75E-06	1.43E-06
1836	494811.06, 3859151.99	0.0187722	7.10E-06	2.79E-06	9.74E-03	3.68E-06	1.45E-06	9.37E-04	3.54E-07	8.96E-09	9.68E-04	3.66E-07	9.26E-09	2.79E-06	1.45E-06
1837	494861.06, 3859151.99	0.0193448	7.31E-06	2.87E-06	1.00E-02	3.79E-06	1.49E-06	9.27E-04	3.51E-07	8.87E-09	9.58E-04	3.62E-07	9.17E-09	2.87E-06	1.49E-06
1838	494911.06, 3859151.99	0.0207885	7.86E-06	3.09E-06	1.07E-02	4.05E-06	1.59E-06	9.10E-04	3.44E-07	8.71E-09	9.42E-04	3.56E-07	9.01E-09	3.09E-06	1.59E-06
1839	494961.06, 3859151.99	0.0204656	7.74E-06	3.04E-06	1.05E-02	3.98E-06	1.56E-06	8.88E-04	3.36E-07	8.50E-09	9.21E-04	3.48E-07	8.81E-09	3.04E-06	1.57E-06
1840	495011.06, 3859151.99	0.020391	7.71E-06	3.03E-06	1.05E-02	3.97E-06	1.56E-06	8.73E-04	3.30E-07	8.35E-09	9.03E-04	3.41E-07	8.63E-09	3.03E-06	1.56E-06
1841	495061.06, 3859151.99	0.0200855	7.59E-06	2.98E-06	1.03E-02	3.91E-06	1.54E-06	8.68E-04	3.28E-07	8.30E-09	8.98E-04	3.39E-07	8.59E-09	2.98E-06	1.54E-06
1842	495111.06, 3859151.99	0.0199357	7.54E-06	2.96E-06	1.03E-02	3.88E-06	1.52E-06	8.62E-04	3.26E-07	8.24E-09	8.93E-04	3.38E-07	8.54E-09	2.96E-06	1.52E-06
1843	495161.06, 3859151.99	0.0197068	7.45E-06	2.93E-06	1.01E-02	3.84E-06	1.51E-06	8.62E-04	3.26E-07	8.24E-09	8.93E-04	3.38E-07	8.54E-09	2.93E-06	1.51E-06
1844	495211.06, 3859151.99	0.0199864	7.56E-06	2.97E-06	1.03E-02	3.89E-06	1.53E-06	8.55E-04	3.23E-07	8.18E-09	8.86E-04	3.35E-07	8.48E-09	2.97E-06	1.53E-06
1845	495261.06, 3859151.99	0.0194544	7.36E-06	2.89E-06	1.00E-02	3.79E-06	1.49E-06	8.51E-04	3.22E-07	8.14E-09	8.81E-04	3.33E-07	8.43E-09	2.89E-06	1.49E-06
1846	495311.06, 3859151.99	0.0192228	7.27E-06	2.86E-06	9.90E-03	3.74E-06	1.47E-06	8.46E-04	3.20E-07	8.09E-09	8.77E-04	3.31E-07	8.38E-09	2.86E-06	1.47E-06
1847	495361.06, 3859151.99	0.0192865	7.29E-06	2.86E-06	9.93E-03	3.75E-06	1.48E-06	8.41E-04	3.18E-07	8.05E-09	8.72E-04	3.30E-07	8.34E-09	2.86E-06	1.48E-06
1848	495411.06, 3859151.99	0.0190209	7.19E-06	2.83E-06	9.80E-03	3.71E-06	1.46E-06	8.41E-04	3.18E-07	8.05E-09	8.72E-04	3.30E-07	8.34E-09	2.83E-06	1.46E-06
1849	495461.06, 3859151.99	0.0190344	7.20E-06	2.83E-06	9.80E-03	3.71E-06	1.46E-06	8.37E-04	3.16E-07	8.00E-09	8.67E-04	3.28E-07	8.29E-09	2.83E-06	1.46E-06
1850	495511.06, 3859151.99	0.0188022	7.11E-06	2.79E-06	9.69E-03	3.66E-06	1.44E-06	8.29E-04	3.13E-07	7.93E-09	8.60E-04	3.25E-07	8.23E-09	2.79E-06	1.44E-06
1851	495561.06, 3859151.99	0.0185581	7.02E-06	2.76E-06	9.56E-03	3.62E-06	1.42E-06	8.22E-04	3.11E-07	7.87E-09	8.54E-04	3.23E-07	8.17E-09	2.76E-06	1.42E-06
1852	495611.06, 3859151.99	0.0182757	6.91E-06	2.71E-06	9.42E-03	3.56E-06	1.40E-06	8.16E-04	3.09E-07	7.81E-09	8.47E-04	3.20E-07	8.10E-09	2.71E-06	1.40E-06
1853	495661.06, 3859151.99	0.0179553	6.79E-06	2.67E-06	9.26E-03	3.50E-06	1.38E-06	8.11E-04	3.07E-07	7.76E-09	8.42E-04	3.18E-07	8.06E-09	2.67E-06	1.38E-06
1854	494311.06, 3859201.99	0.0198573	7.51E-06	2.95E-06	1.04E-02	3.92E-06	1.54E-06	1.09E-03	4.13E-07	1.05E-08	1.12E-03	4.23E-07	1.07E-08	2.95E-06	1.54E-06
1855	494361.06, 3859201.99	0.0196875	7.44E-06	2.92E-06	1.03E-02	3.89E-06	1.53E-06	1.08E-03	4.10E-07	1.04E-08	1.11E-03	4.20E-07	1.06E-08	2.92E-06	1.53E-06
1856	494411.06, 3859201.99	0.0195131	7.38E-06	2.90E-06	1.02E-02	3.85E-06	1.51E-06	1.07E-03	4.05E-07	1.02E-08	1.10E-03	4.15E-07	1.05E-08	2.90E-06	1.51E-06
1857	494461.06, 3859201.99	0.0193329	7.31E-06	2.87E-06	1.01E-02	3.82E-06	1.50E-06	1.05E-03	3.99E-07	1.01E-08	1.08E-03	4.09E-07	1.04E-08	2.87E-06	1.50E-06
1858	494511.06, 3859201.99	0.0191641	7.25E-06	2.85E-06	1.00E-02	3.78E-06	1.49E-06	1.04E-03	3.94E-07	9.96E-09	1.07E-03	4.05E-07	1.02E-08	2.85E-06	1.49E-06
1859	494561.06, 3859201.99	0.0189813	7.18E-06	2.82E-06	9.90E-03	3.74E-06	1.47E-06	1.03E-03	3.88E-07	9.81E-09	1.05E-03	3.99E-07	1.01E-08	2.82E-06	1.47E-06
1860	494611.06, 3859201.99	0.0188248	7.12E-06	2.80E-06	9.82E-03	3.71E-06	1.46E-06	1.01E-03	3.83E-07	9.68E-09	1.04E-03	3.94E-07	9.96E-09	2.80E-06	1.46E-06
1861	494661.06, 3859201.99	0.0186893	7.07E-06	2.78E-06	9.74E-03	3.68E-06	1.45E-06	1.00E-03	3.78E-07	9.58E-09	1.03E-03	3.89E-07	9.85E-09	2.78E-06	1.45E-06
1862	494711.06, 3859201.99	0.0185976	7.03E-06	2.76E-06	9.69E-03	3.66E-06	1.44E-06	9.88E-04	3.74E-07	9.46E-09	1.02E-03	3.85E-07	9.74E-09	2.76E-06	1.44E-06
1863	494761.06, 3859201.99	0.0185435	7.01E-06	2.75E-06	9.65E-03	3.65E-06	1.43E-06	9.73E-04	3.68E-07	9.31E-09	1.00E-03	3.79E-07	9.59E-09	2.75E-06	1.43E-06
1864	494811.06, 3859201.99	0.0187812	7.10E-06	2.79E-06	9.76E-03	3.69E-06	1.45E-06	9.59E-04	3.62E-07	9.17E-09	9.89E-04	3.74E-07	9.46E-09	2.79E-06	1.45E-06
1865	494861.06, 3859201.99	0.0194054	7.34E-06	2.88E-06	1.01E-02	3.80E-06	1.49E-06	9.41E-04	3.56E-07	9.01E-09	9.73E-04	3.68E-07	9.31E-09	2.88E-06	1.49E-06
1866	494911.06, 3859201.99	0.0188161	7.11E-06	2.79E-06	9.76E-03	3.69E-06	1.45E-06	9.26E-04	3.50E-07	8.86E-09	9.58E-04	3.62E-07	9.17E-09	2.80E-06	1.45E-06
1867	494961.06, 3859201.99	0.0182168	6.89E-06	2.71E-06	9.45E-03	3.57E-06	1.40E-06	9.09E-04	3.44E-07	8.69E-09	9.39E-04	3.55E-07	8.98E-09	2.71E-06	1.40E-06
1868	495011.06, 3859201.99	0.0177353	6.71E-06	2.63E-06	9.20E-03	3.48E-06	1.37E-06	8.85E-04	3.35E-07	8.47E-09	9.17E-04	3.47E-07	8.77E-09	2.63E-06	1.37E-06
1869	495061.06, 3859201.99	0.0177035	6.69E-06	2.63E-06	9.19E-03	3.48E-06	1.37E-06	8.90E-04	3.36E-07	8.51E-09	9.21E-04	3.48E-07	8.81E-09	2.63E-06	1.37E-06
1870	495111.06, 3859201.99	0.0175801	6.65E-06	2.61E-06	9.13E-03	3.45E-06	1.36E-06	8.85E-04	3.35E-07	8.47E-09	9.17E-04	3.47E-07	8.77E-09	2.61E-06	1.36E-06
1871	495161.06, 3859201.99	0.0174523	6.60E-06	2.59E-06	9.06E-03	3.43E-06	1.35E-06	8.80E-04	3.33E-07	8.42E-09	9.12E-04	3.45E-07	8.73E-09	2.59E-06	1.35E-06
1872	495211.06, 3859201.99	0.0173031	6.54E-06	2.57E-06	8.99E-03	3.40E-06	1.33E-06	8.74E-04	3.30E-07	8.36E-09	9.04E-04	3.42E-07	8.65E-09	2.57E-06	1.34E-06
1873	495261.06, 3859201.99	0.0171909	6.50E-06	2.55E-06	8.93E-03	3.38E-06	1.33E-06	8.71E-04	3.29E-07	8.33E-09	9.01E-04	3.41E-07	8.62E-09	2.55E-06	1.33E-06
1874	495311.06, 3859201.99	0.0170667	6.45E-06	2.53E-06	8.87E-03	3.35E-06	1.32E-06	8.66E-04	3.28E-07	8.29E-09	8.98E-04	3.39E-07	8.59E-09	2.54E-06	1.32E-06
1875	495361.06, 3859201.99	0.0169546	6.41E-06	2.52E-06	8.81E-03	3.33E-06	1.31E-06	8.62E-04	3.26E-07	8.24E-09	8.93E-04	3.38E-07	8.54E-09	2.52E-06	1.31E-06
1876	495411.06, 3859201.99	0.0168666	6.38E-06	2.51E-06	8.76E-03	3.31E-06	1.30E-06	8.60E-04	3.25E-07	8.23E-09	8.91E-04	3.37E-07	8.53E-09	2.51E-06	1.30E-06

1877	495461.06, 3859201.99	0.0167281	6.32E-06	2.48E-06	8.69E-03	3.29E-06	1.29E-06	8.55E-04	3.23E-07	8.18E-09	8.86E-04	3.35E-07	8.48E-09	2.48E-06	1.29E-06
1878	495511.06, 3859201.99	0.0165967	6.27E-06	2.47E-06	8.63E-03	3.26E-06	1.28E-06	8.49E-04	3.21E-07	8.12E-09	8.81E-04	3.33E-07	8.43E-09	2.47E-06	1.28E-06
1879	495561.06, 3859201.99	0.0164259	6.21E-06	2.44E-06	8.54E-03	3.23E-06	1.27E-06	8.41E-04	3.18E-07	8.05E-09	8.72E-04	3.30E-07	8.34E-09	2.44E-06	1.27E-06
1880	495611.06, 3859201.99	0.0162678	6.15E-06	2.42E-06	8.46E-03	3.20E-06	1.26E-06	8.33E-04	3.15E-07	7.97E-09	8.65E-04	3.27E-07	8.28E-09	2.42E-06	1.26E-06
1881	495661.06, 3859201.99	0.0161078	6.09E-06	2.39E-06	8.38E-03	3.17E-06	1.24E-06	8.29E-04	3.13E-07	7.93E-09	8.60E-04	3.25E-07	8.23E-09	2.39E-06	1.24E-06
1882	494311.06, 3859251.99	0.0198116	7.49E-06	2.94E-06	1.04E-02	3.92E-06	1.54E-06	1.12E-03	4.25E-07	1.08E-08	1.15E-03	4.34E-07	1.10E-08	2.94E-06	1.54E-06
1883	494361.06, 3859251.99	0.0196378	7.42E-06	2.92E-06	1.03E-02	3.89E-06	1.53E-06	1.11E-03	4.21E-07	1.06E-08	1.14E-03	4.30E-07	1.09E-08	2.92E-06	1.53E-06
1884	494411.06, 3859251.99	0.0194545	7.36E-06	2.89E-06	1.02E-02	3.85E-06	1.51E-06	1.09E-03	4.13E-07	1.05E-08	1.12E-03	4.23E-07	1.07E-08	2.89E-06	1.51E-06
1885	494461.06, 3859251.99	0.0192708	7.29E-06	2.86E-06	1.01E-02	3.81E-06	1.50E-06	1.08E-03	4.09E-07	1.04E-08	1.11E-03	4.19E-07	1.06E-08	2.86E-06	1.50E-06
1886	494511.06, 3859251.99	0.019076	7.21E-06	2.83E-06	9.97E-03	3.77E-06	1.48E-06	1.06E-03	4.02E-07	1.02E-08	1.09E-03	4.12E-07	1.04E-08	2.83E-06	1.48E-06
1887	494561.06, 3859251.99	0.0189265	7.16E-06	2.81E-06	9.89E-03	3.74E-06	1.47E-06	1.05E-03	3.97E-07	1.00E-08	1.08E-03	4.07E-07	1.03E-08	2.81E-06	1.47E-06
1888	494611.06, 3859251.99	0.0187672	7.10E-06	2.79E-06	9.80E-03	3.71E-06	1.46E-06	1.03E-03	3.91E-07	9.89E-09	1.06E-03	4.02E-07	1.02E-08	2.79E-06	1.46E-06
1889	494661.06, 3859251.99	0.0186469	7.05E-06	2.77E-06	9.74E-03	3.68E-06	1.45E-06	1.02E-03	3.87E-07	9.80E-09	1.05E-03	3.98E-07	1.01E-08	2.77E-06	1.45E-06
1890	494711.06, 3859251.99	0.0185388	7.01E-06	2.75E-06	9.68E-03	3.66E-06	1.44E-06	1.01E-03	3.83E-07	9.68E-09	1.04E-03	3.94E-07	9.96E-09	2.75E-06	1.44E-06
1891	494761.06, 3859251.99	0.0184641	6.98E-06	2.74E-06	9.62E-03	3.64E-06	1.43E-06	9.87E-04	3.73E-07	9.44E-09	1.02E-03	3.84E-07	9.71E-09	2.74E-06	1.43E-06
1892	494811.06, 3859251.99	0.0187059	7.07E-06	2.78E-06	9.74E-03	3.68E-06	1.45E-06	9.82E-04	3.71E-07	9.40E-09	1.01E-03	3.83E-07	9.68E-09	2.78E-06	1.45E-06
1893	494861.06, 3859251.99	0.0193676	7.32E-06	2.88E-06	1.00E-02	3.80E-06	1.49E-06	9.57E-04	3.62E-07	9.16E-09	9.88E-04	3.73E-07	9.45E-09	2.88E-06	1.49E-06
1894	494911.06, 3859251.99	0.0185745	7.02E-06	2.76E-06	9.65E-03	3.65E-06	1.43E-06	9.43E-04	3.57E-07	9.02E-09	9.73E-04	3.68E-07	9.31E-09	2.76E-06	1.43E-06
1895	494961.06, 3859251.99	0.0180174	6.81E-06	2.68E-06	9.37E-03	3.54E-06	1.39E-06	9.31E-04	3.52E-07	8.90E-09	9.61E-04	3.63E-07	9.20E-09	2.68E-06	1.39E-06
1896	495011.06, 3859251.99	0.0176496	6.67E-06	2.62E-06	9.18E-03	3.47E-06	1.36E-06	9.18E-04	3.47E-07	8.78E-09	9.50E-04	3.59E-07	9.09E-09	2.62E-06	1.36E-06
1897	495061.06, 3859251.99	0.0174738	6.61E-06	2.60E-06	9.10E-03	3.44E-06	1.35E-06	9.15E-04	3.46E-07	8.75E-09	9.47E-04	3.58E-07	9.06E-09	2.60E-06	1.35E-06
1898	495111.06, 3859251.99	0.0172808	6.53E-06	2.57E-06	9.00E-03	3.40E-06	1.34E-06	9.09E-04	3.44E-07	8.69E-09	9.40E-04	3.55E-07	8.99E-09	2.57E-06	1.34E-06
1899	495161.06, 3859251.99	0.0171361	6.48E-06	2.55E-06	8.92E-03	3.37E-06	1.33E-06	9.04E-04	3.42E-07	8.65E-09	9.34E-04	3.53E-07	8.93E-09	2.55E-06	1.33E-06
1900	495211.06, 3859251.99	0.0169688	6.42E-06	2.52E-06	8.84E-03	3.34E-06	1.31E-06	8.96E-04	3.39E-07	8.57E-09	9.27E-04	3.51E-07	8.87E-09	2.52E-06	1.31E-06
1901	495261.06, 3859251.99	0.0168612	6.37E-06	2.50E-06	8.78E-03	3.32E-06	1.30E-06	8.88E-04	3.36E-07	8.50E-09	9.21E-04	3.48E-07	8.81E-09	2.50E-06	1.30E-06
1902	495311.06, 3859251.99	0.0167287	6.32E-06	2.48E-06	8.72E-03	3.30E-06	1.29E-06	8.88E-04	3.36E-07	8.50E-09	9.19E-04	3.47E-07	8.79E-09	2.49E-06	1.29E-06
1903	495361.06, 3859251.99	0.0166017	6.28E-06	2.47E-06	8.65E-03	3.27E-06	1.28E-06	8.82E-04	3.33E-07	8.44E-09	9.14E-04	3.46E-07	8.74E-09	2.47E-06	1.29E-06
1904	495411.06, 3859251.99	0.0165086	6.24E-06	2.45E-06	8.60E-03	3.25E-06	1.28E-06	8.80E-04	3.33E-07	8.42E-09	9.12E-04	3.45E-07	8.73E-09	2.45E-06	1.28E-06
1905	495461.06, 3859251.99	0.0163843	6.19E-06	2.43E-06	8.54E-03	3.23E-06	1.27E-06	8.76E-04	3.31E-07	8.38E-09	9.06E-04	3.43E-07	8.67E-09	2.43E-06	1.27E-06
1906	495511.06, 3859251.99	0.0162127	6.13E-06	2.41E-06	8.45E-03	3.20E-06	1.26E-06	8.66E-04	3.28E-07	8.29E-09	8.98E-04	3.39E-07	8.59E-09	2.41E-06	1.26E-06
1907	495561.06, 3859251.99	0.0160831	6.08E-06	2.39E-06	8.38E-03	3.17E-06	1.25E-06	8.60E-04	3.25E-07	8.23E-09	8.91E-04	3.37E-07	8.53E-09	2.39E-06	1.25E-06
1908	495611.06, 3859251.99	0.0159209	6.02E-06	2.36E-06	8.30E-03	3.14E-06	1.23E-06	8.51E-04	3.22E-07	8.14E-09	8.83E-04	3.34E-07	8.45E-09	2.37E-06	1.23E-06
1909	495661.06, 3859251.99	0.0157733	5.96E-06	2.34E-06	8.22E-03	3.11E-06	1.22E-06	8.46E-04	3.20E-07	8.09E-09	8.77E-04	3.31E-07	8.38E-09	2.34E-06	1.22E-06
1910	494311.06, 3859301.99	0.0197405	7.46E-06	2.93E-06	1.04E-02	3.92E-06	1.54E-06	1.16E-03	4.37E-07	1.11E-08	1.18E-03	4.46E-07	1.13E-08	2.93E-06	1.54E-06
1911	494361.06, 3859301.99	0.0195641	7.40E-06	2.91E-06	1.03E-02	3.88E-06	1.52E-06	1.14E-03	4.31E-07	1.09E-08	1.17E-03	4.41E-07	1.11E-08	2.91E-06	1.52E-06
1912	494411.06, 3859301.99	0.0193704	7.32E-06	2.88E-06	1.02E-02	3.84E-06	1.51E-06	1.12E-03	4.25E-07	1.07E-08	1.15E-03	4.34E-07	1.10E-08	2.88E-06	1.51E-06
1913	494461.06, 3859301.99	0.019188	7.25E-06	2.85E-06	1.01E-02	3.80E-06	1.49E-06	1.10E-03	4.18E-07	1.06E-08	1.13E-03	4.28E-07	1.08E-08	2.85E-06	1.49E-06
1914	494511.06, 3859301.99	0.0190137	7.19E-06	2.82E-06	9.96E-03	3.76E-06	1.48E-06	1.09E-03	4.12E-07	1.04E-08	1.11E-03	4.22E-07	1.07E-08	2.82E-06	1.48E-06
1915	494561.06, 3859301.99	0.0188505	7.13E-06	2.80E-06	9.87E-03	3.73E-06	1.47E-06	1.08E-03	4.07E-07	1.03E-08	1.10E-03	4.17E-07	1.06E-08	2.80E-06	1.47E-06
1916	494611.06, 3859301.99	0.0186935	7.07E-06	2.78E-06	9.78E-03	3.70E-06	1.45E-06	1.06E-03	4.02E-07	1.02E-08	1.09E-03	4.12E-07	1.04E-08	2.78E-06	1.45E-06
1917	494661.06, 3859301.99	0.0185646	7.02E-06	2.76E-06	9.71E-03	3.67E-06	1.44E-06	1.05E-03	3.96E-07	1.00E-08	1.08E-03	4.07E-07	1.03E-08	2.76E-06	1.44E-06
1918	494711.06, 3859301.99	0.0184496	6.98E-06	2.74E-06	9.65E-03	3.65E-06	1.43E-06	1.03E-03	3.90E-07	9.87E-09	1.06E-03	4.01E-07	1.01E-08	2.74E-06	1.43E-06
1919	494761.06, 3859301.99	0.0184224	6.97E-06	2.74E-06	9.62E-03	3.64E-06	1.43E-06	1.02E-03	3.85E-07	9.74E-09	1.05E-03	3.96E-07	1.00E-08	2.74E-06	1.43E-06
1920	494811.06, 3859301.99	0.018598	7.03E-06	2.76E-06	9.70E-03	3.67E-06	1.44E-06	1.00E-03	3.78E-07	9.58E-09	1.03E-03	3.89E-07	9.85E-09	2.76E-06	1.44E-06
1921	494861.06, 3859301.99	0.0187168	7.08E-06	2.78E-06	9.74E-03	3.68E-06	1.45E-06	9.79E-04	3.70E-07	9.37E-09	1.01E-03	3.81E-07	9.65E-09	2.78E-06	1.45E-06
1922	494911.06, 3859301.99	0.0185733	7.02E-06	2.76E-06	9.66E-03	3.65E-06	1.44E-06	9.67E-04	3.65E-07	9.25E-09	9.96E-04	3.76E-07	9.52E-09	2.76E-06	1.44E-06
1923	494961.06, 3859301.99	0.0178803	6.76E-06	2.66E-06	9.31E-03	3.52E-06	1.38E-06	9.45E-04	3.57E-07	9.04E-09	9.74E-04	3.68E-07	9.32E-09	2.66E-06	1.38E-06
1924	495011.06, 3859301.99	0.0175376	6.63E-06	2.60E-06	9.14E-03	3.46E-06	1.36E-06	9.34E-04	3.53E-07	8.93E-09	9.65E-04	3.65E-07	9.23E-09	2.61E-06	1.36E-06
1925	495061.06, 3859301.99	0.0174083	6.58E-06	2.59E-06	9.08E-03	3.43E-06	1.35E-06	9.37E-04	3.54E-07	8.96E-09	9.68E-04	3.66E-07	9.26E-09	2.59E-06	1.35E-06
1926	495111.06, 3859301.99	0.0171626	6.49E-06	2.55E-06	8.95E-03	3.38E-06	1.33E-06	9.26E-04	3.50E-07	8.86E-09	9.57E-04	3.62E-07	9.15E-09	2.55E-06	1.33E-06
1927	495161.06, 3859301.99	0.0169946	6.43E-06	2.52E-06	8.87E-03	3.35E-06	1.32E-06	9.21E-04	3.48E-07	8.81E-09	9.53E-04	3.60E-07	9.12E-09	2.52E-06	1.32E-06
1928	495211.06, 3859301.99	0.0168857	6.38E-06	2.51E-06	8.81E-03	3.33E-06	1.31E-06	9.20E-04	3.48E-07	8.80E-09	9.52E-04	3.60E-07	9.10E-09	2.51E-06	1.31E-06
1929	495261.06, 3859301.99	0.0167521	6.33E-06	2.49E-06	8.75E-03	3.31E-06	1.30E-06	9.16E-04	3.46E-07	8.77E-09	9.47E-04	3.58E-07	9.06E-09	2.49E-06	1.30E-06
1930	495311.06, 3859301.99	0.0165849	6.27E-06	2.46E-06	8.66E-03	3.27E-06	1.29E-06	9.07E-04	3.43E-07	8.68E-09	9.39E-04	3.55E-07	8.98E-09	2.46E-06	1.29E-06
1931	495361.06, 3859301.99	0.016473	6.23E-06	2.45E-06	8.60E-03	3.25E-06	1.28E-06	9.04E-04	3.42E-07	8.65E-09	9.35E-04	3.54E-07	8.95E-09	2.45E-06	1.28E-06
1932	495411.06, 3859301.99	0.016346	6.18E-06	2.43E-06	8.54E-03	3.23E-06	1.27E-06	8.99E-04	3.40E-07	8.60E-09	9.30E-04	3.52E-07	8.90E-09	2.43E-06	1.27E-06
1933	495461.06, 3859301.99	0.0162337	6.14E-06	2.41E-06	8.48E-03	3.21E-06	1.26E-06	8.94E-04	3.38E-07	8.56E-09	9.26E-04	3.50E-07	8.85E-09	2.41E-06	1.26E-06
1934	495511.06, 3859301.99	0.0160751	6.08E-06	2.39E-06	8.40E-03	3.17E-06	1.25E-06	8.87E-04	3.35E-07	8.48E-09	9.17E-04	3.47E-07	8.77E-09	2.39E-06	1.25E-06
1935	495561.06, 3859301.99	0.0158985	6.01E-06	2.36E-06	8.30E-03	3.14E-06	1.23E-06	8.76E-04	3.31E-07	8.38E-09	9.06E-04	3.43E-07	8.67E-09	2.36E-06	1.23E-06
1936	495611.06, 3859301.99	0.0157708	5.96E-06	2.34E-06	8.24E-03	3.11E-06	1.22E-06	8.69E-04	3.29E-07	8.32E-09	8.99E-04	3.40E-07	8.60E-09	2.34E-06	1.22E-06
1937	495661.06, 3859301.99	0.0156253	5.91E-06	2.32E-06	8.16E-03	3.09E-06	1.21E-06	8.62E-04	3.26E-07	8.24E-09	8.93E-04	3.38E-07	8.54E-09	2.32E-06	1.21E-06
1938	494311.06, 3859351.99	0.0196001	7.41E-06	2.91E-06	1.03E-02	3.90E-06	1.53E-06	1.18E-03	4.48E-07	1.13E-08	1.21E-03	4.56E-07	1.15E-08	2.91E-06	1.53E-06
1939	494361.06, 3859351.99	0.0194402	7.35E-06	2.89E-06	1.02E-02	3.86E-06	1.52E-06	1.17E-03	4.42E-07	1.12E-08	1.19E-03	4.51E-07	1.14E-08	2.89E-06	1.52E-06
1940	494411.06, 3859351.99	0.0192853	7.29E-06	2.86E-06	1.01E-02	3.83E-06	1.50E-06	1.15E-03	4.34E-07	1.10E-08	1.17E-03	4.43E-07	1.12E-08	2.86E-06	1.50E-06
1941	494461.06, 3859351.99	0.0191061	7.22E-06	2.84E-06	1.00E-02	3.79E-06	1.49E-06	1.13E-03	4.28E-07	1.08E-08	1.15E-03	4.36E-07	1.10E-08	2.84E-06	1.49E-06
1942	494511.06, 3859351.99	0.0189308	7.16E-06	2.81E-06	9.93E-03	3.76E-06	1.48E-06	1.11E-03	4.21E-07	1.07E-08	1.14E-03	4.31E-07	1.09E-08	2.81E-06	1.48E-06
1943	494561.06, 3859351.99	0.018783	7.10E-06	2.79E-06	9.85E-03	3.73E-06	1.46E-06	1.10E-03	4.16E-07	1.05E-08	1.13E-03	4.26E-07	1.08E-08	2.79E-06	1.46E-06
1944	494611.06, 3859351.99	0.0186282	7.04E-06	2.77E-06	9.77E-03	3.69E-06	1.45E-06	1.09E-03	4.12E-07	1.04E-08	1.11E-03	4.21E-07	1.06E-08	2.77E-06	1.45E-06
1945	494661.06, 3859351.99	0.0184976	6.99E-06	2.75E-06	9.70E-03	3.67E-06	1.44E-06	1.07E-03	4.06E-07	1.03E-08	1.10E-03	4.16E-07	1.05E-08	2.75E-06	1.44E-06
1946	494711.06, 3859351.99	0.0183784	6.95E-06	2.73E-06	9.63E-03	3.64E-06	1.43E-06	1.06E-03	3.99E-07	1.01E-08	1.08E-03	4.09E-07	1.04E-08	2.73E-06	1.43E-06
1947	494761.06, 3859351.99	0.0183203	6.93E-06	2.72E-06	9.58E-03	3.62E-06	1.42E-06	1.03E-03	3.90E-07	9.87E-09	1.06E-03	4.01E-07	1.01E-08	2.72E-06	1.42E-06
1948	494811.06, 3859351.99	0.0184903	6.99E-06	2.75E-06	9.65E-03	3.65E-06	1.43E-06	1.01E-03	3.82E-07	9.66E-09	1.04E-03	3.93E-07	9.95E-09	2.75E-06	1.43E-06
1949	494861.06, 3859351.99	0.0190572	7.21E-06	2.83E-06	9.92E-03	3.75E-06	1.47E-06	9.99E-04	3.78E-07	9.56E-09	1.03E-03	3.89E-07	9.84E-09	2.83E-06	1.47E-06
1950	494911.06, 3859351.99	0.0185328	7.01E-06	2.75E-06	9.66E-03	3.65E-06	1.43E-06	9.90E-04	3.74E-07	9.47E-09	1.02E-03	3.86E-07	9.76E-09	2.75E-06	1.44E-06
1951	494961.06, 3859351.99	0.0179277	6.78E-06	2.66E-06	9.36E-03	3.54E-06	1.39E-06	9.78E-04	3.70E-07	9.35E-09	1.01E-03	3.81E-07	9.63E-09	2.66E-06	1.39E-06
1952	495011.06, 3859351.99	0.0175825	6.65E-06	2.61E-06	9.18E-03	3.47E-06	1.36E-06	9.68E-04	3.66E-07	9.26E-09	9.99E-04	3.78E-07	9.56E-09	2.61E-06	1.36E-06
1953	495061.06, 3859351.99	0.0173877	6.57E-06	2.58E-06	9.09E-03	3.44E-06	1.35E-06	9.68E-04	3.66E-07	9.26E-09	9.97E-04	3.77E-07	9.54E-09	2.58E-06	1.35E-06
1954	495111.06, 3859351.99	0.0171646	6.49E-06	2.55E-06	8.97E-03	3.39E-06	1.33E-06	9.57E-04	3.62E-07	9.16E-09	9.88E-04	3.73E-07	9.45E-09	2.55E-06	1.33E-06
1955	495161.06, 3859351.99	0.0169863	6.42E-06	2.52E-06	8.88E-03	3.36E-06	1.32E-06	9.51E-04	3.60E-07	9.10E-09	9.81E-04	3.71E-07	9.38E-09	2.52E-06	1.32E-06
1956	495211.06, 3859351.99	0.0168198	6.36E-06	2.50E-06	8.80E-03	3.33E-06	1.31E-06	9.45E-04	3.57E-07	9.04E-09	9.74E-04	3.68E-07	9.32E-09	2.50E-06	1.31E-06
1957	495261.06, 3859351.99	0.0166787	6.31E-06	2.48E-06	8.73E-03	3.30E-06	1.30E-06	9.40E-04	3.55E-07	8.99E-09	9.70E-04	3.67E-07	9.27E-09	2.48E-06	1.30E-06
1958	495311.06, 3859351.99	0.0165203	6.25E-06	2.45E-06	8.64E-03	3.27E-06	1.28E-06	9.31E-04	3.52E-07	8.90E-09	9.61E-04	3.63E-07	9.20E-09	2.45E-06	1.28E-06
1959	495361.06, 3859351.99	0.0163713	6.19E-06	2.43E-06	8.57E-03	3.24E-06	1.27E-06	9.24E-04	3.49E-07	8.84E-09	9.55E-04	3.61E-07	9.13E-09	2.43E-06	1.27E-06
1960	495411.06, 3859351.99	0.0162417	6.14E-06	2.41E-06	8.50E-03	3.21E-06	1.26E-06	9.20E-04	3.48E-07	8.80E-09	9.52E-04	3.60E-07	9.10E-09	2.41E-06	1.26E-06
1961	495461.06, 3859351.99	0.0161298	6.10E-06	2.40E-06	8.44E-03	3.19E-06	1.25E-06	9.16E-04	3.46E-07	8.77E-09	9.48E-04	3.59E-07	9.07E-09	2.40E-06	1.25E-06
1962	495511.06, 3859351.99	0.0159648	6.04E-06	2.37E-06	8.36E-03	3.16E-06	1.24E-06	9.05E-04	3.42E-07	8.66E-09	9.37E-04	3.54E-07	8.96E-09	2.37E-06	1.24E-06
1963	495561.06, 3859351.99	0.0158202	5.98E-06	2.35E-06	8.28E-03	3.13E-06	1.23E-06	8.98E-04	3.39E-07	8.59E-09	9.29E-04	3.51E-07	8.88E-09	2.35E-06	1.23E-06
1964	495611.06, 3859351.99	0.0156924	5.93E-06	2.33E-06	8.21E-03	3.11E-06	1.22E-06	8.91E-04	3.37E-07	8.53E-09	9.22E-04	3.49E-07	8.82E-09	2.33E-06	1.22E-06
1965	495661.06, 3859351.99	0.015529	5.87E-06	2.31E-06	8.13E-03	3.07E-06	1.21E-06	8.80E-04	3.33E-07	8.42E-09	9.12E-04	3.45E-07	8.73E-09	2.31E-06	1.21E-06
1966	494311.06, 3859401.99	0.0194456	7.35E-06	2.89E-06	1.02E-02	3.88E-06	1.52E-06	1.22E-03	4.60E-07	1.16E-08	1.24E-03	4.68E-07	1.18E-08	2.89E-06	1.52E-06
1967	494361.06, 3859401.99	0.0192967	7.30E-06	2.87E-06	1.02E-02	3.84E-06	1.51E-06	1.19E-03	4.51E-07	1.14E-08	1.22E-03	4.60E-07	1.16E-08	2.87E-06	1.51E-06
1968	494411.06, 3859401.99	0.0191632	7.25E-06	2.85E-06	1.01E-02	3.81E-06	1.50E-06	1.17E-03	4.44E-07	1.12E-08	1.20E-03	4.52E-07	1.14E-08	2.85E-06	1.50E-06
1969	494461.06, 3859401.99	0.0190158	7.19E-06	2.82E-06	1.00E-02	3.78E-06	1.49E-06	1.16E-03	4.37E-07	1.11E-08	1.18E-03	4.46E-07	1.13E-08	2.82E-06	1.49E-06
1970	494511.06, 3859401.99	0.0188657	7.13E-06	2.80E-06	9.92E-03	3.75E-06	1.47E-06	1.14E-03	4.32E-07	1.09E-08	1.17E-03	4.41E-07	1.12E-08	2.80E-06	1.47E-06

1971	494561.06, 3859401.99	0.0187211	7.08E-06	2.78E-06	9.84E-03	3.72E-06	1.46E-06	1.13E-03	4.28E-07	1.08E-08	1.15E-03	4.36E-07	1.10E-08	2.78E-06	1.46E-06
1972	494611.06, 3859401.99	0.0185785	7.02E-06	2.76E-06	9.76E-03	3.69E-06	1.45E-06	1.11E-03	4.21E-07	1.07E-08	1.14E-03	4.31E-07	1.09E-08	2.76E-06	1.45E-06
1973	494661.06, 3859401.99	0.0184591	6.98E-06	2.74E-06	9.70E-03	3.67E-06	1.44E-06	1.10E-03	4.17E-07	1.05E-08	1.13E-03	4.26E-07	1.08E-08	2.74E-06	1.44E-06
1974	494711.06, 3859401.99	0.0183574	6.94E-06	2.73E-06	9.64E-03	3.64E-06	1.43E-06	1.09E-03	4.11E-07	1.04E-08	1.11E-03	4.21E-07	1.06E-08	2.73E-06	1.43E-06
1975	494761.06, 3859401.99	0.018289	6.91E-06	2.72E-06	9.59E-03	3.62E-06	1.42E-06	1.06E-03	4.01E-07	1.01E-08	1.09E-03	4.11E-07	1.04E-08	2.72E-06	1.42E-06
1976	494811.06, 3859401.99	0.0184685	6.98E-06	2.74E-06	9.66E-03	3.65E-06	1.44E-06	1.05E-03	3.96E-07	1.00E-08	1.07E-03	4.06E-07	1.03E-08	2.74E-06	1.44E-06
1977	494861.06, 3859401.99	0.0190158	7.19E-06	2.82E-06	9.92E-03	3.75E-06	1.47E-06	1.03E-03	3.88E-07	9.81E-09	1.05E-03	3.99E-07	1.01E-08	2.82E-06	1.47E-06
1978	494911.06, 3859401.99	0.0184708	6.98E-06	2.74E-06	9.64E-03	3.65E-06	1.43E-06	1.01E-03	3.82E-07	9.66E-09	1.04E-03	3.93E-07	9.93E-09	2.74E-06	1.43E-06
1979	494961.06, 3859401.99	0.0179009	6.77E-06	2.66E-06	9.36E-03	3.54E-06	1.39E-06	1.00E-03	3.80E-07	9.61E-09	1.03E-03	3.90E-07	9.87E-09	2.66E-06	1.39E-06
1980	495011.06, 3859401.99	0.0175673	6.64E-06	2.61E-06	9.19E-03	3.48E-06	1.37E-06	9.96E-04	3.77E-07	9.53E-09	1.03E-03	3.88E-07	9.81E-09	2.61E-06	1.37E-06
1981	495061.06, 3859401.99	0.017332	6.55E-06	2.57E-06	9.07E-03	3.43E-06	1.35E-06	9.87E-04	3.73E-07	9.44E-09	1.02E-03	3.84E-07	9.73E-09	2.57E-06	1.35E-06
1982	495111.06, 3859401.99	0.0171001	6.47E-06	2.54E-06	8.95E-03	3.39E-06	1.33E-06	9.76E-04	3.69E-07	9.34E-09	1.01E-03	3.80E-07	9.62E-09	2.54E-06	1.33E-06
1983	495161.06, 3859401.99	0.0169057	6.39E-06	2.51E-06	8.86E-03	3.35E-06	1.32E-06	9.73E-04	3.68E-07	9.31E-09	1.00E-03	3.80E-07	9.60E-09	2.51E-06	1.32E-06
1984	495211.06, 3859401.99	0.016753	6.33E-06	2.49E-06	8.78E-03	3.32E-06	1.30E-06	9.70E-04	3.67E-07	9.28E-09	9.99E-04	3.78E-07	9.56E-09	2.49E-06	1.30E-06
1985	495261.06, 3859401.99	0.0166007	6.28E-06	2.47E-06	8.70E-03	3.29E-06	1.29E-06	9.62E-04	3.64E-07	9.20E-09	9.92E-04	3.75E-07	9.49E-09	2.47E-06	1.29E-06
1986	495311.06, 3859401.99	0.016441	6.22E-06	2.44E-06	8.62E-03	3.26E-06	1.28E-06	9.54E-04	3.61E-07	9.13E-09	9.84E-04	3.72E-07	9.42E-09	2.44E-06	1.28E-06
1987	495361.06, 3859401.99	0.0163081	6.17E-06	2.42E-06	8.55E-03	3.23E-06	1.27E-06	9.51E-04	3.60E-07	9.10E-09	9.81E-04	3.71E-07	9.38E-09	2.42E-06	1.27E-06
1988	495411.06, 3859401.99	0.0161748	6.12E-06	2.40E-06	8.48E-03	3.21E-06	1.26E-06	9.46E-04	3.58E-07	9.05E-09	9.76E-04	3.69E-07	9.34E-09	2.40E-06	1.26E-06
1989	495461.06, 3859401.99	0.0160229	6.06E-06	2.38E-06	8.40E-03	3.18E-06	1.25E-06	9.37E-04	3.54E-07	8.96E-09	9.68E-04	3.66E-07	9.26E-09	2.38E-06	1.25E-06
1990	495511.06, 3859401.99	0.0158703	6.00E-06	2.36E-06	8.32E-03	3.15E-06	1.24E-06	9.26E-04	3.50E-07	8.86E-09	9.57E-04	3.62E-07	9.15E-09	2.36E-06	1.24E-06
1991	495561.06, 3859401.99	0.0157046	5.94E-06	2.33E-06	8.23E-03	3.11E-06	1.22E-06	9.15E-04	3.46E-07	8.75E-09	9.45E-04	3.57E-07	9.04E-09	2.33E-06	1.22E-06
1992	495611.06, 3859401.99	0.0155735	5.89E-06	2.31E-06	8.17E-03	3.09E-06	1.21E-06	9.07E-04	3.43E-07	8.68E-09	9.39E-04	3.55E-07	8.98E-09	2.31E-06	1.21E-06
1993	495661.06, 3859401.99	0.0154453	5.84E-06	2.29E-06	8.10E-03	3.06E-06	1.20E-06	9.01E-04	3.41E-07	8.62E-09	9.32E-04	3.52E-07	8.92E-09	2.29E-06	1.20E-06
1994	494311.06, 3859451.99	0.0192926	7.29E-06	2.87E-06	1.02E-02	3.85E-06	1.51E-06	1.24E-03	4.69E-07	1.19E-08	1.26E-03	4.77E-07	1.21E-08	2.87E-06	1.51E-06
1995	494361.06, 3859451.99	0.0191643	7.25E-06	2.85E-06	1.01E-02	3.82E-06	1.50E-06	1.22E-03	4.61E-07	1.17E-08	1.24E-03	4.70E-07	1.19E-08	2.85E-06	1.50E-06
1996	494411.06, 3859451.99	0.0190554	7.20E-06	2.83E-06	1.00E-02	3.80E-06	1.49E-06	1.19E-03	4.51E-07	1.14E-08	1.22E-03	4.60E-07	1.16E-08	2.83E-06	1.49E-06
1997	494461.06, 3859451.99	0.0189243	7.15E-06	2.81E-06	9.97E-03	3.77E-06	1.48E-06	1.18E-03	4.47E-07	1.13E-08	1.21E-03	4.56E-07	1.15E-08	2.81E-06	1.48E-06
1998	494511.06, 3859451.99	0.0188092	7.11E-06	2.79E-06	9.91E-03	3.75E-06	1.47E-06	1.17E-03	4.41E-07	1.11E-08	1.19E-03	4.50E-07	1.14E-08	2.79E-06	1.47E-06
1999	494561.06, 3859451.99	0.0187003	7.07E-06	2.78E-06	9.85E-03	3.72E-06	1.46E-06	1.15E-03	4.36E-07	1.10E-08	1.18E-03	4.45E-07	1.13E-08	2.78E-06	1.46E-06
2000	494611.06, 3859451.99	0.018608	7.04E-06	2.76E-06	9.80E-03	3.70E-06	1.45E-06	1.14E-03	4.32E-07	1.09E-08	1.17E-03	4.41E-07	1.12E-08	2.76E-06	1.46E-06
2001	494661.06, 3859451.99	0.0184881	6.99E-06	2.75E-06	9.73E-03	3.68E-06	1.44E-06	1.13E-03	4.26E-07	1.08E-08	1.15E-03	4.35E-07	1.10E-08	2.75E-06	1.44E-06
2002	494711.06, 3859451.99	0.0183872	6.95E-06	2.73E-06	9.67E-03	3.65E-06	1.44E-06	1.11E-03	4.20E-07	1.06E-08	1.13E-03	4.29E-07	1.09E-08	2.73E-06	1.44E-06
2003	494761.06, 3859451.99	0.0183473	6.94E-06	2.73E-06	9.64E-03	3.64E-06	1.43E-06	1.10E-03	4.15E-07	1.05E-08	1.12E-03	4.24E-07	1.07E-08	2.73E-06	1.43E-06
2004	494811.06, 3859451.99	0.018515	7.00E-06	2.75E-06	9.71E-03	3.67E-06	1.44E-06	1.08E-03	4.07E-07	1.03E-08	1.10E-03	4.17E-07	1.05E-08	2.75E-06	1.44E-06
2005	494861.06, 3859451.99	0.0186126	7.04E-06	2.76E-06	9.74E-03	3.68E-06	1.45E-06	1.06E-03	4.00E-07	1.01E-08	1.09E-03	4.10E-07	1.04E-08	2.76E-06	1.45E-06
2006	494911.06, 3859451.99	0.0185251	7.00E-06	2.75E-06	9.69E-03	3.66E-06	1.44E-06	1.04E-03	3.95E-07	9.99E-09	1.07E-03	4.05E-07	1.03E-08	2.75E-06	1.44E-06
2007	494961.06, 3859451.99	0.0179314	6.78E-06	2.66E-06	9.40E-03	3.55E-06	1.40E-06	1.04E-03	3.92E-07	9.92E-09	1.06E-03	4.02E-07	1.02E-08	2.66E-06	1.40E-06
2008	495011.06, 3859451.99	0.01755	6.64E-06	2.61E-06	9.20E-03	3.48E-06	1.37E-06	1.03E-03	3.88E-07	9.81E-09	1.05E-03	3.99E-07	1.01E-08	2.61E-06	1.37E-06
2009	495061.06, 3859451.99	0.0172739	6.53E-06	2.57E-06	9.06E-03	3.43E-06	1.35E-06	1.02E-03	3.84E-07	9.72E-09	1.04E-03	3.95E-07	9.99E-09	2.57E-06	1.35E-06
2010	495111.06, 3859451.99	0.0170275	6.44E-06	2.53E-06	8.94E-03	3.38E-06	1.33E-06	1.01E-03	3.80E-07	9.62E-09	1.03E-03	3.91E-07	9.90E-09	2.53E-06	1.33E-06
2011	495161.06, 3859451.99	0.0168446	6.37E-06	2.50E-06	8.84E-03	3.34E-06	1.31E-06	9.99E-04	3.78E-07	9.56E-09	1.03E-03	3.89E-07	9.84E-09	2.50E-06	1.31E-06
2012	495211.06, 3859451.99	0.0166676	6.30E-06	2.48E-06	8.76E-03	3.31E-06	1.30E-06	9.95E-04	3.76E-07	9.52E-09	1.02E-03	3.87E-07	9.79E-09	2.48E-06	1.30E-06
2013	495261.06, 3859451.99	0.0165124	6.24E-06	2.45E-06	8.68E-03	3.28E-06	1.29E-06	9.88E-04	3.74E-07	9.46E-09	1.02E-03	3.85E-07	9.74E-09	2.45E-06	1.29E-06
2014	495311.06, 3859451.99	0.0163476	6.18E-06	2.43E-06	8.59E-03	3.25E-06	1.28E-06	9.81E-04	3.71E-07	9.38E-09	1.01E-03	3.82E-07	9.66E-09	2.43E-06	1.28E-06
2015	495361.06, 3859451.99	0.0162047	6.13E-06	2.41E-06	8.52E-03	3.22E-06	1.26E-06	9.74E-04	3.68E-07	9.32E-09	1.00E-03	3.80E-07	9.60E-09	2.41E-06	1.27E-06
2016	495411.06, 3859451.99	0.0160634	6.07E-06	2.39E-06	8.44E-03	3.19E-06	1.25E-06	9.67E-04	3.65E-07	9.25E-09	9.96E-04	3.76E-07	9.52E-09	2.39E-06	1.25E-06
2017	495461.06, 3859451.99	0.0159128	6.02E-06	2.36E-06	8.36E-03	3.16E-06	1.24E-06	9.59E-04	3.62E-07	9.17E-09	9.89E-04	3.74E-07	9.46E-09	2.36E-06	1.24E-06
2018	495511.06, 3859451.99	0.0157561	5.96E-06	2.34E-06	8.28E-03	3.13E-06	1.23E-06	9.46E-04	3.58E-07	9.05E-09	9.76E-04	3.69E-07	9.34E-09	2.34E-06	1.23E-06
2019	495561.06, 3859451.99	0.0156224	5.91E-06	2.32E-06	8.21E-03	3.10E-06	1.22E-06	9.38E-04	3.55E-07	8.98E-09	9.68E-04	3.66E-07	9.26E-09	2.32E-06	1.22E-06
2020	495611.06, 3859451.99	0.0154748	5.85E-06	2.30E-06	8.13E-03	3.07E-06	1.21E-06	9.29E-04	3.51E-07	8.89E-09	9.60E-04	3.63E-07	9.18E-09	2.30E-06	1.21E-06
2021	495661.06, 3859451.99	0.015346	5.80E-06	2.28E-06	8.07E-03	3.05E-06	1.20E-06	9.23E-04	3.49E-07	8.83E-09	9.52E-04	3.60E-07	9.10E-09	2.28E-06	1.20E-06
2022	494311.06, 3859501.99	0.0191277	7.23E-06	2.84E-06	1.01E-02	3.83E-06	1.50E-06	1.27E-03	4.80E-07	1.21E-08	1.29E-03	4.88E-07	1.24E-08	2.84E-06	1.50E-06
2023	494361.06, 3859501.99	0.0190597	7.21E-06	2.83E-06	1.01E-02	3.81E-06	1.50E-06	1.25E-03	4.72E-07	1.19E-08	1.27E-03	4.80E-07	1.21E-08	2.83E-06	1.50E-06
2024	494411.06, 3859501.99	0.0190334	7.20E-06	2.83E-06	1.00E-02	3.80E-06	1.49E-06	1.21E-03	4.59E-07	1.16E-08	1.24E-03	4.68E-07	1.18E-08	2.83E-06	1.49E-06
2025	494461.06, 3859501.99	0.0190191	7.19E-06	2.82E-06	1.00E-02	3.80E-06	1.49E-06	1.21E-03	4.58E-07	1.16E-08	1.23E-03	4.67E-07	1.18E-08	2.83E-06	1.49E-06
2026	494511.06, 3859501.99	0.0189837	7.18E-06	2.82E-06	1.00E-02	3.78E-06	1.49E-06	1.19E-03	4.51E-07	1.14E-08	1.21E-03	4.59E-07	1.16E-08	2.82E-06	1.49E-06
2027	494561.06, 3859501.99	0.0189892	7.18E-06	2.82E-06	1.00E-02	3.78E-06	1.49E-06	1.18E-03	4.45E-07	1.13E-08	1.20E-03	4.54E-07	1.15E-08	2.82E-06	1.49E-06
2028	494611.06, 3859501.99	0.0189865	7.18E-06	2.82E-06	1.00E-02	3.78E-06	1.49E-06	1.17E-03	4.44E-07	1.12E-08	1.20E-03	4.52E-07	1.14E-08	2.82E-06	1.49E-06
2029	494661.06, 3859501.99	0.0189161	7.15E-06	2.81E-06	9.95E-03	3.76E-06	1.48E-06	1.15E-03	4.37E-07	1.10E-08	1.18E-03	4.45E-07	1.13E-08	2.81E-06	1.48E-06
2030	494711.06, 3859501.99	0.0188295	7.12E-06	2.80E-06	9.90E-03	3.74E-06	1.47E-06	1.13E-03	4.28E-07	1.08E-08	1.16E-03	4.37E-07	1.11E-08	2.80E-06	1.47E-06
2031	494761.06, 3859501.99	0.0188062	7.11E-06	2.79E-06	9.88E-03	3.74E-06	1.47E-06	1.12E-03	4.25E-07	1.08E-08	1.15E-03	4.34E-07	1.10E-08	2.79E-06	1.47E-06
2032	494811.06, 3859501.99	0.0188409	7.12E-06	2.80E-06	9.88E-03	3.74E-06	1.47E-06	1.10E-03	4.15E-07	1.05E-08	1.12E-03	4.25E-07	1.07E-08	2.80E-06	1.47E-06
2033	494861.06, 3859501.99	0.01888	7.14E-06	2.80E-06	9.89E-03	3.74E-06	1.47E-06	1.09E-03	4.10E-07	1.04E-08	1.11E-03	4.20E-07	1.06E-08	2.80E-06	1.47E-06
2034	494911.06, 3859501.99	0.0186937	7.07E-06	2.78E-06	9.79E-03	3.70E-06	1.45E-06	1.08E-03	4.07E-07	1.03E-08	1.10E-03	4.17E-07	1.06E-08	2.78E-06	1.45E-06
2035	494961.06, 3859501.99	0.0179564	6.79E-06	2.67E-06	9.43E-03	3.56E-06	1.40E-06	1.06E-03	4.02E-07	1.02E-08	1.09E-03	4.12E-07	1.04E-08	2.67E-06	1.40E-06
2036	495011.06, 3859501.99	0.0175202	6.62E-06	2.60E-06	9.21E-03	3.48E-06	1.37E-06	1.05E-03	3.99E-07	1.01E-08	1.08E-03	4.09E-07	1.03E-08	2.60E-06	1.37E-06
2037	495061.06, 3859501.99	0.0172079	6.51E-06	2.56E-06	9.05E-03	3.42E-06	1.34E-06	1.05E-03	3.96E-07	1.00E-08	1.07E-03	4.05E-07	1.03E-08	2.56E-06	1.34E-06
2038	495111.06, 3859501.99	0.016933	6.40E-06	2.52E-06	8.91E-03	3.37E-06	1.32E-06	1.03E-03	3.90E-07	9.87E-09	1.06E-03	4.01E-07	1.01E-08	2.52E-06	1.32E-06
2039	495161.06, 3859501.99	0.0167227	6.32E-06	2.48E-06	8.80E-03	3.33E-06	1.31E-06	1.02E-03	3.87E-07	9.80E-09	1.05E-03	3.98E-07	1.01E-08	2.48E-06	1.31E-06
2040	495211.06, 3859501.99	0.0165532	6.26E-06	2.46E-06	8.72E-03	3.30E-06	1.29E-06	1.02E-03	3.86E-07	9.75E-09	1.05E-03	3.96E-07	1.00E-08	2.46E-06	1.29E-06
2041	495261.06, 3859501.99	0.0163799	6.19E-06	2.43E-06	8.63E-03	3.26E-06	1.28E-06	1.01E-03	3.83E-07	9.69E-09	1.04E-03	3.94E-07	9.96E-09	2.43E-06	1.28E-06
2042	495311.06, 3859501.99	0.0162305	6.14E-06	2.41E-06	8.55E-03	3.23E-06	1.27E-06	1.01E-03	3.81E-07	9.63E-09	1.03E-03	3.91E-07	9.90E-09	2.41E-06	1.27E-06
2043	495361.06, 3859501.99	0.0160824	6.08E-06	2.39E-06	8.47E-03	3.20E-06	1.26E-06	9.98E-04	3.77E-07	9.55E-09	1.03E-03	3.88E-07	9.82E-09	2.39E-06	1.26E-06
2044	495411.06, 3859501.99	0.0159303	6.02E-06	2.37E-06	8.39E-03	3.17E-06	1.25E-06	9.92E-04	3.75E-07	9.49E-09	1.02E-03	3.86E-07	9.76E-09	2.37E-06	1.25E-06
2045	495461.06, 3859501.99	0.0157907	5.97E-06	2.35E-06	8.32E-03	3.15E-06	1.24E-06	9.82E-04	3.71E-07	9.40E-09	1.01E-03	3.83E-07	9.68E-09	2.35E-06	1.24E-06
2046	495511.06, 3859501.99	0.0156267	5.91E-06	2.32E-06	8.23E-03	3.11E-06	1.22E-06	9.65E-04	3.65E-07	9.23E-09	9.94E-04	3.76E-07	9.51E-09	2.32E-06	1.22E-06
2047	495561.06, 3859501.99	0.0155013	5.86E-06	2.30E-06	8.17E-03	3.09E-06	1.21E-06	9.62E-04	3.64E-07	9.20E-09	9.91E-04	3.75E-07	9.48E-09	2.30E-06	1.21E-06
2048	495611.06, 3859501.99	0.0153674	5.81E-06	2.28E-06	8.09E-03	3.06E-06	1.20E-06	9.52E-04	3.60E-07	9.11E-09	9.83E-04	3.72E-07	9.40E-09	2.28E-06	1.20E-06
2049	495661.06, 3859501.99	0.0152207	5.75E-06	2.26E-06	8.02E-03	3.03E-06	1.19E-06	9.43E-04	3.57E-07	9.02E-09	9.73E-04	3.68E-07	9.31E-09	2.26E-06	1.19E-06
2050	494311.06, 3859551.99	0.018955	7.17E-06	2.82E-06	1.01E-02	3.80E-06	1.49E-06	1.30E-03	4.90E-07	1.24E-08	1.32E-03	4.99E-07	1.26E-08	2.82E-06	1.49E-06
2051	494361.06, 3859551.99	0.0189502	7.16E-06	2.81E-06	1.00E-02	3.80E-06	1.49E-06	1.27E-03	4.79E-07	1.21E-08	1.29E-03	4.87E-07	1.23E-08	2.81E-06	1.49E-06
2052	494411.06, 3859551.99	0.0191994	7.26E-06	2.85E-06	1.01E-02	3.83E-06	1.51E-06	1.23E-03	4.67E-07	1.18E-08	1.26E-03	4.75E-07	1.20E-08	2.85E-06	1.51E-06
2053	494461.06, 3859551.99	0.0199055	7.53E-06	2.96E-06	1.05E-02	3.97E-06	1.56E-06	1.24E-03	4.68E-07	1.18E-08	1.26E-03	4.76E-07	1.21E-08	2.96E-06	1.56E-06
2054	494511.06, 3859551.99	0.0218944	8.28E-06	3.25E-06	1.14E-02	4.33E-06	1.70E-06	1.22E-03	4.61E-07	1.17E-08	1.24E-03	4.70E-07	1.19E-08	3.25E-06	1.70E-06
2055	494561.06, 3859551.99	0.0217004	8.20E-06	3.22E-06	1.13E-02	4.29E-06	1.68E-06	1.20E-03	4.55E-07	1.15E-08	1.23E-03	4.63E-07	1.17E-08	3.22E-06	1.68E-06
2056	494611.06, 3859551.99	0.0215991	8.17E-06	3.21E-06	1.13E-02	4.27E-06	1.68E-06	1.19E-03	4.51E-07	1.14E-08	1.22E-03	4.60E-07	1.16E-08	3.21E-06	1.68E-06
2057	494661.06, 3859551.99	0.0214097	8.09E-06	3.18E-06	1.12E-02	4.23E-06	1.66E-06	1.18E-03	4.47E-07	1.13E-08	1.20E-03	4.55E-07	1.15E-08	3.18E-06	1.66E-06
2058	494711.06, 3859551.99	0.0212348	8.03E-06	3.15E-06	1.11E-02	4.19E-06	1.65E-06	1.15E-03	4.34E-07	1.10E-08	1.17E-03	4.43E-07	1.12E-08	3.15E-06	1.65E-06
2059	494761.06, 3859551.99	0.0213302	8.06E-06	3.17E-06	1.11E-02	4.21E-06	1.65E-06	1.15E-03	4.35E-07	1.10E-08	1.18E-03	4.44E-07	1.12E-08	3.17E-06	1.65E-06
2060	494811.06, 3859551.99	0.0211554	8.00E-06	3.14E-06	1.10E-02	4.17E-06	1.64E-06	1.13E-03	4.26E-07	1.08E-08	1.15E-03	4.36E-07	1.10E-08	3.14E-06	1.64E-06
2061	494861.06, 3859551.99	0.0203557	7.70E-06	3.02E-06	1.06E-02	4.02E-06	1.58E-06	1.12E-03	4.22E-07	1.07E-08	1.14E-03	4.31E-07	1.09E-08	3.02E-06	1.58E-06
2062	494911.06, 3859551.99	0.0185536	7.01E-06	2.76E-06	9.74E-03	3.68E-06	1.45E-06	1.10E-03	4.16E-07	1.05E-08	1.13E-03	4.26E-07	1.08E-08	2.76E-06	1.45E-06
2063	494961.06, 3859551.99	0.0177337	6.70E-06	2.63E-06	9.34E-03	3.53E-06	1.39E-06	1.09E-03	4.13E-07	1.05E-08	1.12E-03	4.23E-07	1.07E-08	2.63E-06	1.39E-06
2064	495011.06, 3859551.99	0.0173082	6.54E-06	2.57E-06	9.13E-03	3.45E-06	1.36E-06	1.09E-03	4.10E-07	1.04E-08	1.11E-03	4.20E-07	1.06E-08	2.57E-06	1.36E-06

2065	495061.06, 3859551.99	0.0170103	6.43E-06	2.53E-06	8.97E-03	3.39E-06	1.33E-06	1.07E-03	4.06E-07	1.03E-08	1.10E-03	4.16E-07	1.05E-08	2.53E-06	1.33E-06
2066	495111.06, 3859551.99	0.016756	6.34E-06	2.49E-06	8.84E-03	3.34E-06	1.31E-06	1.06E-03	4.02E-07	1.02E-08	1.09E-03	4.12E-07	1.04E-08	2.49E-06	1.31E-06
2067	495161.06, 3859551.99	0.0165707	6.27E-06	2.46E-06	8.75E-03	3.31E-06	1.30E-06	1.05E-03	3.99E-07	1.01E-08	1.08E-03	4.09E-07	1.04E-08	2.46E-06	1.30E-06
2068	495211.06, 3859551.99	0.0164086	6.20E-06	2.44E-06	8.66E-03	3.28E-06	1.29E-06	1.05E-03	3.97E-07	1.00E-08	1.08E-03	4.07E-07	1.03E-08	2.44E-06	1.29E-06
2069	495261.06, 3859551.99	0.0162335	6.14E-06	2.41E-06	8.57E-03	3.24E-06	1.27E-06	1.04E-03	3.93E-07	9.93E-09	1.07E-03	4.03E-07	1.02E-08	2.41E-06	1.27E-06
2070	495311.06, 3859551.99	0.0160715	6.08E-06	2.39E-06	8.49E-03	3.21E-06	1.26E-06	1.03E-03	3.90E-07	9.86E-09	1.06E-03	4.00E-07	1.01E-08	2.39E-06	1.26E-06
2071	495361.06, 3859551.99	0.0159295	6.02E-06	2.37E-06	8.41E-03	3.18E-06	1.25E-06	1.02E-03	3.87E-07	9.78E-09	1.05E-03	3.97E-07	1.01E-08	2.37E-06	1.25E-06
2072	495411.06, 3859551.99	0.015794	5.97E-06	2.35E-06	8.34E-03	3.15E-06	1.24E-06	1.02E-03	3.84E-07	9.72E-09	1.04E-03	3.95E-07	9.99E-09	2.35E-06	1.24E-06
2073	495461.06, 3859551.99	0.0156511	5.92E-06	2.32E-06	8.27E-03	3.13E-06	1.23E-06	1.00E-03	3.80E-07	9.61E-09	1.03E-03	3.90E-07	9.87E-09	2.32E-06	1.23E-06
2074	495511.06, 3859551.99	0.0154964	5.86E-06	2.30E-06	8.18E-03	3.09E-06	1.22E-06	9.92E-04	3.75E-07	9.49E-09	1.02E-03	3.86E-07	9.76E-09	2.30E-06	1.22E-06
2075	495561.06, 3859551.99	0.0153648	5.81E-06	2.28E-06	8.11E-03	3.07E-06	1.21E-06	9.84E-04	3.72E-07	9.41E-09	1.01E-03	3.83E-07	9.68E-09	2.28E-06	1.21E-06
2076	495611.06, 3859551.99	0.0152322	5.76E-06	2.26E-06	8.04E-03	3.04E-06	1.19E-06	9.74E-04	3.68E-07	9.32E-09	1.00E-03	3.80E-07	9.60E-09	2.26E-06	1.19E-06
2077	495661.06, 3859551.99	0.0151001	5.71E-06	2.24E-06	7.97E-03	3.01E-06	1.18E-06	9.65E-04	3.65E-07	9.23E-09	9.94E-04	3.76E-07	9.51E-09	2.24E-06	1.18E-06
2078	494311.06, 3859601.99	0.0187425	7.09E-06	2.78E-06	9.98E-03	3.77E-06	1.48E-06	1.33E-03	5.02E-07	1.27E-08	1.35E-03	5.10E-07	1.29E-08	2.78E-06	1.48E-06
2079	494361.06, 3859601.99	0.0187791	7.10E-06	2.79E-06	9.97E-03	3.77E-06	1.48E-06	1.29E-03	4.87E-07	1.23E-08	1.31E-03	4.95E-07	1.25E-08	2.79E-06	1.48E-06
2080	494411.06, 3859601.99	0.0190718	7.21E-06	2.83E-06	1.01E-02	3.82E-06	1.50E-06	1.27E-03	4.79E-07	1.21E-08	1.29E-03	4.87E-07	1.23E-08	2.83E-06	1.50E-06
2081	494461.06, 3859601.99	0.0197471	7.47E-06	2.93E-06	1.04E-02	3.94E-06	1.55E-06	1.26E-03	4.78E-07	1.21E-08	1.29E-03	4.87E-07	1.23E-08	2.93E-06	1.55E-06
2082	494511.06, 3859601.99	0.019368	7.32E-06	2.88E-06	1.02E-02	3.87E-06	1.52E-06	1.24E-03	4.68E-07	1.19E-08	1.26E-03	4.77E-07	1.21E-08	2.88E-06	1.52E-06
2083	494561.06, 3859601.99	0.0189085	7.15E-06	2.81E-06	1.00E-02	3.78E-06	1.49E-06	1.23E-03	4.67E-07	1.18E-08	1.26E-03	4.75E-07	1.20E-08	2.81E-06	1.49E-06
2084	494611.06, 3859601.99	0.0186276	7.04E-06	2.77E-06	9.86E-03	3.73E-06	1.46E-06	1.23E-03	4.64E-07	1.17E-08	1.25E-03	4.72E-07	1.19E-08	2.77E-06	1.46E-06
2085	494661.06, 3859601.99	0.0184534	6.98E-06	2.74E-06	9.75E-03	3.69E-06	1.45E-06	1.20E-03	4.52E-07	1.14E-08	1.22E-03	4.61E-07	1.17E-08	2.74E-06	1.45E-06
2086	494711.06, 3859601.99	0.0182923	6.92E-06	2.72E-06	9.66E-03	3.65E-06	1.44E-06	1.17E-03	4.44E-07	1.12E-08	1.20E-03	4.54E-07	1.15E-08	2.72E-06	1.44E-06
2087	494761.06, 3859601.99	0.0180875	6.84E-06	2.69E-06	9.57E-03	3.62E-06	1.42E-06	1.18E-03	4.47E-07	1.13E-08	1.21E-03	4.56E-07	1.15E-08	2.69E-06	1.42E-06
2088	494811.06, 3859601.99	0.0179198	6.78E-06	2.66E-06	9.47E-03	3.58E-06	1.41E-06	1.16E-03	4.38E-07	1.11E-08	1.18E-03	4.47E-07	1.13E-08	2.66E-06	1.41E-06
2089	494861.06, 3859601.99	0.0176649	6.68E-06	2.62E-06	9.34E-03	3.53E-06	1.39E-06	1.15E-03	4.34E-07	1.10E-08	1.17E-03	4.42E-07	1.12E-08	2.62E-06	1.39E-06
2090	494911.06, 3859601.99	0.0173979	6.58E-06	2.58E-06	9.20E-03	3.48E-06	1.37E-06	1.13E-03	4.26E-07	1.08E-08	1.15E-03	4.36E-07	1.10E-08	2.58E-06	1.37E-06
2091	494961.06, 3859601.99	0.0171496	6.48E-06	2.55E-06	9.07E-03	3.43E-06	1.35E-06	1.13E-03	4.26E-07	1.08E-08	1.15E-03	4.35E-07	1.10E-08	2.55E-06	1.35E-06
2092	495011.06, 3859601.99	0.016925	6.40E-06	2.51E-06	8.95E-03	3.39E-06	1.33E-06	1.11E-03	4.19E-07	1.06E-08	1.13E-03	4.28E-07	1.08E-08	2.51E-06	1.33E-06
2093	495061.06, 3859601.99	0.0167271	6.32E-06	2.48E-06	8.85E-03	3.35E-06	1.32E-06	1.10E-03	4.17E-07	1.05E-08	1.13E-03	4.26E-07	1.08E-08	2.48E-06	1.32E-06
2094	495111.06, 3859601.99	0.0165436	6.25E-06	2.46E-06	8.76E-03	3.31E-06	1.30E-06	1.09E-03	4.12E-07	1.04E-08	1.11E-03	4.22E-07	1.07E-08	2.46E-06	1.30E-06
2095	495161.06, 3859601.99	0.0163715	6.19E-06	2.43E-06	8.67E-03	3.28E-06	1.29E-06	1.08E-03	4.09E-07	1.04E-08	1.11E-03	4.19E-07	1.06E-08	2.43E-06	1.29E-06
2096	495211.06, 3859601.99	0.0162167	6.13E-06	2.41E-06	8.59E-03	3.25E-06	1.28E-06	1.07E-03	4.06E-07	1.03E-08	1.10E-03	4.16E-07	1.05E-08	2.41E-06	1.28E-06
2097	495261.06, 3859601.99	0.0160729	6.08E-06	2.39E-06	8.51E-03	3.22E-06	1.26E-06	1.07E-03	4.03E-07	1.02E-08	1.09E-03	4.13E-07	1.04E-08	2.39E-06	1.26E-06
2098	495311.06, 3859601.99	0.0159341	6.02E-06	2.37E-06	8.44E-03	3.19E-06	1.25E-06	1.06E-03	4.01E-07	1.01E-08	1.09E-03	4.11E-07	1.04E-08	2.37E-06	1.25E-06
2099	495361.06, 3859601.99	0.0157807	5.97E-06	2.34E-06	8.36E-03	3.16E-06	1.24E-06	1.05E-03	3.97E-07	1.01E-08	1.08E-03	4.07E-07	1.03E-08	2.34E-06	1.24E-06
2100	495411.06, 3859601.99	0.0156482	5.92E-06	2.32E-06	8.29E-03	3.13E-06	1.23E-06	1.04E-03	3.95E-07	9.99E-09	1.07E-03	4.05E-07	1.02E-08	2.32E-06	1.23E-06
2101	495461.06, 3859601.99	0.0155031	5.86E-06	2.30E-06	8.21E-03	3.10E-06	1.22E-06	1.03E-03	3.89E-07	9.84E-09	1.06E-03	3.99E-07	1.01E-08	2.30E-06	1.22E-06
2102	495511.06, 3859601.99	0.0153461	5.80E-06	2.28E-06	8.12E-03	3.07E-06	1.21E-06	1.01E-03	3.83E-07	9.69E-09	1.04E-03	3.94E-07	9.96E-09	2.28E-06	1.21E-06
2103	495561.06, 3859601.99	0.015237	5.76E-06	2.26E-06	8.07E-03	3.05E-06	1.20E-06	1.01E-03	3.82E-07	9.66E-09	1.04E-03	3.93E-07	9.93E-09	2.26E-06	1.20E-06
2104	495611.06, 3859601.99	0.0150955	5.71E-06	2.24E-06	7.99E-03	3.02E-06	1.19E-06	9.95E-04	3.76E-07	9.52E-09	1.02E-03	3.87E-07	9.79E-09	2.24E-06	1.19E-06
2105	495661.06, 3859601.99	0.0149699	5.66E-06	2.22E-06	7.92E-03	3.00E-06	1.18E-06	9.88E-04	3.74E-07	9.46E-09	1.02E-03	3.84E-07	9.73E-09	2.22E-06	1.18E-06
2106	494311.06, 3859651.99	0.0185248	7.00E-06	2.75E-06	9.89E-03	3.74E-06	1.47E-06	1.35E-03	5.11E-07	1.29E-08	1.37E-03	5.19E-07	1.31E-08	2.75E-06	1.47E-06
2107	494361.06, 3859651.99	0.0185408	7.01E-06	2.75E-06	9.87E-03	3.73E-06	1.47E-06	1.31E-03	4.96E-07	1.25E-08	1.34E-03	5.05E-07	1.28E-08	2.75E-06	1.47E-06
2108	494411.06, 3859651.99	0.0188018	7.11E-06	2.79E-06	9.99E-03	3.78E-06	1.48E-06	1.30E-03	4.90E-07	1.24E-08	1.32E-03	4.99E-07	1.26E-08	2.79E-06	1.48E-06
2109	494461.06, 3859651.99	0.0194061	7.34E-06	2.88E-06	1.03E-02	3.89E-06	1.53E-06	1.29E-03	4.89E-07	1.24E-08	1.32E-03	4.98E-07	1.26E-08	2.88E-06	1.53E-06
2110	494511.06, 3859651.99	0.0189002	7.15E-06	2.81E-06	1.00E-02	3.79E-06	1.49E-06	1.28E-03	4.83E-07	1.22E-08	1.30E-03	4.91E-07	1.24E-08	2.81E-06	1.49E-06
2111	494561.06, 3859651.99	0.018347	6.94E-06	2.73E-06	9.75E-03	3.69E-06	1.45E-06	1.27E-03	4.79E-07	1.21E-08	1.29E-03	4.87E-07	1.23E-08	2.73E-06	1.45E-06
2112	494611.06, 3859651.99	0.0180272	6.82E-06	2.68E-06	9.58E-03	3.62E-06	1.42E-06	1.25E-03	4.74E-07	1.20E-08	1.28E-03	4.83E-07	1.22E-08	2.68E-06	1.42E-06
2113	494661.06, 3859651.99	0.0177846	6.72E-06	2.64E-06	9.44E-03	3.57E-06	1.40E-06	1.22E-03	4.61E-07	1.17E-08	1.24E-03	4.70E-07	1.19E-08	2.64E-06	1.40E-06
2114	494711.06, 3859651.99	0.0175916	6.65E-06	2.61E-06	9.34E-03	3.53E-06	1.39E-06	1.21E-03	4.57E-07	1.16E-08	1.23E-03	4.66E-07	1.18E-08	2.61E-06	1.39E-06
2115	494761.06, 3859651.99	0.0174245	6.59E-06	2.59E-06	9.26E-03	3.50E-06	1.38E-06	1.20E-03	4.55E-07	1.15E-08	1.23E-03	4.65E-07	1.18E-08	2.59E-06	1.38E-06
2116	494811.06, 3859651.99	0.0172523	6.52E-06	2.56E-06	9.16E-03	3.46E-06	1.36E-06	1.19E-03	4.49E-07	1.14E-08	1.21E-03	4.58E-07	1.16E-08	2.56E-06	1.36E-06
2117	494861.06, 3859651.99	0.0170732	6.46E-06	2.54E-06	9.07E-03	3.43E-06	1.35E-06	1.18E-03	4.45E-07	1.13E-08	1.20E-03	4.54E-07	1.15E-08	2.54E-06	1.35E-06
2118	494911.06, 3859651.99	0.016893	6.39E-06	2.51E-06	8.97E-03	3.39E-06	1.33E-06	1.16E-03	4.40E-07	1.11E-08	1.19E-03	4.49E-07	1.14E-08	2.51E-06	1.33E-06
2119	494961.06, 3859651.99	0.0167347	6.33E-06	2.49E-06	8.89E-03	3.36E-06	1.32E-06	1.15E-03	4.36E-07	1.10E-08	1.18E-03	4.45E-07	1.13E-08	2.49E-06	1.32E-06
2120	495011.06, 3859651.99	0.0165783	6.27E-06	2.46E-06	8.81E-03	3.33E-06	1.31E-06	1.14E-03	4.31E-07	1.09E-08	1.17E-03	4.41E-07	1.11E-08	2.46E-06	1.31E-06
2121	495061.06, 3859651.99	0.0164185	6.21E-06	2.44E-06	8.72E-03	3.30E-06	1.30E-06	1.13E-03	4.28E-07	1.08E-08	1.16E-03	4.38E-07	1.11E-08	2.44E-06	1.30E-06
2122	495111.06, 3859651.99	0.0162668	6.15E-06	2.42E-06	8.64E-03	3.27E-06	1.28E-06	1.12E-03	4.23E-07	1.07E-08	1.14E-03	4.33E-07	1.09E-08	2.42E-06	1.28E-06
2123	495161.06, 3859651.99	0.0161225	6.10E-06	2.39E-06	8.56E-03	3.24E-06	1.27E-06	1.11E-03	4.20E-07	1.06E-08	1.14E-03	4.30E-07	1.09E-08	2.39E-06	1.27E-06
2124	495211.06, 3859651.99	0.0159833	6.04E-06	2.37E-06	8.49E-03	3.21E-06	1.26E-06	1.10E-03	4.17E-07	1.05E-08	1.13E-03	4.26E-07	1.08E-08	2.37E-06	1.26E-06
2125	495261.06, 3859651.99	0.0158436	5.99E-06	2.35E-06	8.42E-03	3.18E-06	1.25E-06	1.09E-03	4.13E-07	1.05E-08	1.12E-03	4.23E-07	1.07E-08	2.35E-06	1.25E-06
2126	495311.06, 3859651.99	0.0157226	5.94E-06	2.34E-06	8.35E-03	3.16E-06	1.24E-06	1.09E-03	4.10E-07	1.04E-08	1.11E-03	4.20E-07	1.06E-08	2.34E-06	1.24E-06
2127	495361.06, 3859651.99	0.0155897	5.89E-06	2.32E-06	8.28E-03	3.13E-06	1.23E-06	1.08E-03	4.07E-07	1.03E-08	1.10E-03	4.17E-07	1.06E-08	2.32E-06	1.23E-06
2128	495411.06, 3859651.99	0.0154694	5.85E-06	2.30E-06	8.22E-03	3.11E-06	1.22E-06	1.07E-03	4.04E-07	1.02E-08	1.09E-03	4.13E-07	1.05E-08	2.30E-06	1.22E-06
2129	495461.06, 3859651.99	0.0153405	5.80E-06	2.28E-06	8.15E-03	3.08E-06	1.21E-06	1.05E-03	3.98E-07	1.01E-08	1.08E-03	4.08E-07	1.03E-08	2.28E-06	1.21E-06
2130	495511.06, 3859651.99	0.0152034	5.75E-06	2.26E-06	8.07E-03	3.05E-06	1.20E-06	1.04E-03	3.93E-07	9.95E-09	1.07E-03	4.04E-07	1.02E-08	2.26E-06	1.20E-06
2131	495561.06, 3859651.99	0.0150751	5.70E-06	2.24E-06	8.00E-03	3.03E-06	1.19E-06	1.03E-03	3.90E-07	9.87E-09	1.06E-03	4.01E-07	1.01E-08	2.24E-06	1.19E-06
2132	495611.06, 3859651.99	0.0149581	5.66E-06	2.22E-06	7.94E-03	3.00E-06	1.18E-06	1.02E-03	3.87E-07	9.78E-09	1.05E-03	3.97E-07	1.01E-08	2.22E-06	1.18E-06
2133	495661.06, 3859651.99	0.0148263	5.61E-06	2.20E-06	7.87E-03	2.98E-06	1.17E-06	1.01E-03	3.83E-07	9.68E-09	1.04E-03	3.93E-07	9.95E-09	2.20E-06	1.17E-06
2134	494311.06, 3859701.99	0.0182935	6.92E-06	2.72E-06	9.77E-03	3.70E-06	1.45E-06	1.35E-03	5.09E-07	1.29E-08	1.37E-03	5.18E-07	1.31E-08	2.72E-06	1.45E-06
2135	494361.06, 3859701.99	0.0182935	6.92E-06	2.72E-06	9.76E-03	3.69E-06	1.45E-06	1.33E-03	5.03E-07	1.27E-08	1.35E-03	5.12E-07	1.30E-08	2.72E-06	1.45E-06
2136	494411.06, 3859701.99	0.018531	7.01E-06	2.75E-06	9.87E-03	3.73E-06	1.47E-06	1.32E-03	4.99E-07	1.26E-08	1.35E-03	5.09E-07	1.29E-08	2.75E-06	1.47E-06
2137	494461.06, 3859701.99	0.0186683	7.06E-06	2.77E-06	9.94E-03	3.76E-06	1.48E-06	1.32E-03	5.00E-07	1.27E-08	1.35E-03	5.09E-07	1.29E-08	2.77E-06	1.48E-06
2138	494511.06, 3859701.99	0.0186115	7.04E-06	2.76E-06	9.90E-03	3.74E-06	1.47E-06	1.31E-03	4.95E-07	1.25E-08	1.33E-03	5.04E-07	1.27E-08	2.76E-06	1.47E-06
2139	494561.06, 3859701.99	0.0180334	6.82E-06	2.68E-06	9.61E-03	3.64E-06	1.43E-06	1.30E-03	4.90E-07	1.24E-08	1.32E-03	4.99E-07	1.26E-08	2.68E-06	1.43E-06
2140	494611.06, 3859701.99	0.017698	6.69E-06	2.63E-06	9.44E-03	3.57E-06	1.40E-06	1.29E-03	4.86E-07	1.23E-08	1.31E-03	4.95E-07	1.25E-08	2.63E-06	1.40E-06
2141	494661.06, 3859701.99	0.0174625	6.60E-06	2.59E-06	9.31E-03	3.52E-06	1.38E-06	1.25E-03	4.73E-07	1.20E-08	1.27E-03	4.82E-07	1.22E-08	2.59E-06	1.38E-06
2142	494711.06, 3859701.99	0.0172579	6.52E-06	2.56E-06	9.20E-03	3.48E-06	1.37E-06	1.25E-03	4.71E-07	1.19E-08	1.27E-03	4.80E-07	1.21E-08	2.56E-06	1.37E-06
2143	494761.06, 3859701.99	0.0170773	6.46E-06	2.54E-06	9.11E-03	3.44E-06	1.35E-06	1.23E-03	4.64E-07	1.17E-08	1.25E-03	4.73E-07	1.20E-08	2.54E-06	1.35E-06
2144	494811.06, 3859701.99	0.0169072	6.39E-06	2.51E-06	9.01E-03	3.41E-06	1.34E-06	1.21E-03	4.58E-07	1.16E-08	1.24E-03	4.67E-07	1.18E-08	2.51E-06	1.34E-06
2145	494861.06, 3859701.99	0.0167358	6.33E-06	2.49E-06	8.93E-03	3.37E-06	1.33E-06	1.21E-03	4.57E-07	1.16E-08	1.23E-03	4.66E-07	1.18E-08	2.49E-06	1.33E-06
2146	494911.06, 3859701.99	0.0165824	6.27E-06	2.46E-06	8.84E-03	3.34E-06	1.31E-06	1.20E-03	4.52E-07	1.14E-08	1.22E-03	4.60E-07	1.16E-08	2.46E-06	1.31E-06
2147	494961.06, 3859701.99	0.0164324	6.21E-06	2.44E-06	8.76E-03	3.31E-06	1.30E-06	1.18E-03	4.47E-07	1.13E-08	1.20E-03	4.55E-07	1.15E-08	2.44E-06	1.30E-06
2148	495011.06, 3859701.99	0.0162808	6.16E-06	2.42E-06	8.68E-03	3.28E-06	1.29E-06	1.17E-03	4.44E-07	1.12E-08	1.20E-03	4.53E-07	1.15E-08	2.42E-06	1.29E-06
2149	495061.06, 3859701.99	0.01614	6.10E-06	2.40E-06	8.61E-03	3.25E-06	1.28E-06	1.16E-03	4.39E-07	1.11E-08	1.19E-03	4.49E-07	1.14E-08	2.40E-06	1.28E-06
2150	495111.06, 3859701.99	0.0160146	6.05E-06	2.38E-06	8.54E-03	3.23E-06	1.27E-06	1.15E-03	4.35E-07	1.10E-08	1.18E-03	4.44E-07	1.12E-08	2.38E-06	1.27E-06
2151	495161.06, 3859701.99	0.0158742	6.00E-06	2.36E-06	8.46E-03	3.20E-06	1.26E-06	1.14E-03	4.31E-07	1.09E-08	1.16E-03	4.40E-07	1.11E-08	2.36E-06	1.26E-06
2152	495211.06, 3859701.99	0.0157485	5.95E-06	2.34E-06	8.39E-03	3.17E-06	1.25E-06	1.13E-03	4.26E-07	1.08E-08	1.15E-03	4.35E-07	1.10E-08	2.34E-06	1.25E-06
2153	495261.06, 3859701.99	0.0156088	5.90E-06	2.32E-06	8.32E-03	3.15E-06	1.24E-06	1.12E-03	4.24E-07	1.07E-08	1.15E-03	4.34E-07	1.10E-08	2.32E-06	1.24E-06
2154	495311.06, 3859701.99	0.0154872	5.86E-06	2.30E-06	8.26E-03	3.12E-06	1.23E-06	1.11E-03	4.20E-07	1.06E-08	1.14E-03	4.30E-07	1.09E-08	2.30E-06	1.23E-06
2155	495361.06, 3859701.99	0.0153687	5.81E-06	2.28E-06	8.19E-03	3.10E-06	1.22E-06	1.10E-03	4.16E-07	1.05E-08	1.13E-03	4.26E-07	1.08E-08	2.28E-06	1.22E-06
2156	495411.06, 3859701.99	0.0152438	5.76E-06	2.26E-06	8.12E-03	3.07E-06	1.21E-06	1.09E-03	4.11E-07	1.04E-08	1.11E-03	4.21E-07	1.06E-08	2.26E-06	1.21E-06
2157	495461.06, 3859701.99	0.0151243	5.72E-06	2.25E-06	8.06E-03	3.05E-06	1.20E-06	1.08E-03	4.07E-07	1.03E-08	1.10E-03	4.17E-07	1.05E-08	2.25E-06	1.20E-06
2158	495511.06, 3859701.99	0.0150087	5.67E-06	2.23E-06	7.99E-03	3.02E-06	1.19E-06	1.06E-03	4.00E-07	1.01E-08	1.09E-03	4.10E-07	1.04E-08	2.23E-06	1.19E-06

2159	495561.06, 3859701.99	0.0149051	5.64E-06	2.21E-06	7.94E-03	3.00E-06	1.18E-06	1.06E-03	4.00E-07	1.01E-08	1.08E-03	4.10E-07	1.04E-08	2.21E-06	1.18E-06
2160	495611.06, 3859701.99	0.0147895	5.59E-06	2.20E-06	7.88E-03	2.98E-06	1.17E-06	1.05E-03	3.96E-07	1.00E-08	1.07E-03	4.06E-07	1.03E-08	2.20E-06	1.17E-06
2161	495661.06, 3859701.99	0.0146721	5.55E-06	2.18E-06	7.81E-03	2.95E-06	1.16E-06	1.04E-03	3.92E-07	9.92E-09	1.06E-03	4.02E-07	1.02E-08	2.18E-06	1.16E-06
2162	494311.06, 3859751.99	0.0180325	6.82E-06	2.68E-06	9.67E-03	3.66E-06	1.44E-06	1.39E-03	5.25E-07	1.33E-08	1.41E-03	5.34E-07	1.35E-08	2.68E-06	1.44E-06
2163	494361.06, 3859751.99	0.0180308	6.82E-06	2.68E-06	9.66E-03	3.65E-06	1.44E-06	1.37E-03	5.18E-07	1.31E-08	1.40E-03	5.28E-07	1.33E-08	2.68E-06	1.44E-06
2164	494411.06, 3859751.99	0.0182625	6.90E-06	2.71E-06	9.76E-03	3.69E-06	1.45E-06	1.35E-03	5.11E-07	1.29E-08	1.38E-03	5.20E-07	1.32E-08	2.71E-06	1.45E-06
2165	494461.06, 3859751.99	0.0184221	6.97E-06	2.74E-06	9.84E-03	3.72E-06	1.46E-06	1.35E-03	5.11E-07	1.29E-08	1.37E-03	5.20E-07	1.31E-08	2.74E-06	1.46E-06
2166	494511.06, 3859751.99	0.0183256	6.93E-06	2.72E-06	9.79E-03	3.70E-06	1.45E-06	1.34E-03	5.08E-07	1.29E-08	1.37E-03	5.17E-07	1.31E-08	2.72E-06	1.45E-06
2167	494561.06, 3859751.99	0.0177522	6.71E-06	2.64E-06	9.50E-03	3.59E-06	1.41E-06	1.33E-03	5.02E-07	1.27E-08	1.35E-03	5.12E-07	1.29E-08	2.64E-06	1.41E-06
2168	494611.06, 3859751.99	0.017411	6.58E-06	2.59E-06	9.32E-03	3.52E-06	1.38E-06	1.31E-03	4.95E-07	1.25E-08	1.33E-03	5.04E-07	1.28E-08	2.59E-06	1.38E-06
2169	494661.06, 3859751.99	0.0171683	6.49E-06	2.55E-06	9.18E-03	3.47E-06	1.36E-06	1.28E-03	4.83E-07	1.22E-08	1.30E-03	4.92E-07	1.24E-08	2.55E-06	1.36E-06
2170	494711.06, 3859751.99	0.0169627	6.41E-06	2.52E-06	9.08E-03	3.43E-06	1.35E-06	1.28E-03	4.83E-07	1.22E-08	1.30E-03	4.92E-07	1.24E-08	2.52E-06	1.35E-06
2171	494761.06, 3859751.99	0.0167769	6.34E-06	2.49E-06	8.98E-03	3.40E-06	1.33E-06	1.27E-03	4.79E-07	1.21E-08	1.29E-03	4.88E-07	1.24E-08	2.49E-06	1.33E-06
2172	494811.06, 3859751.99	0.0166069	6.28E-06	2.47E-06	8.89E-03	3.36E-06	1.32E-06	1.25E-03	4.73E-07	1.20E-08	1.27E-03	4.82E-07	1.22E-08	2.47E-06	1.32E-06
2173	494861.06, 3859751.99	0.016452	6.22E-06	2.44E-06	8.81E-03	3.33E-06	1.31E-06	1.24E-03	4.68E-07	1.19E-08	1.26E-03	4.78E-07	1.21E-08	2.44E-06	1.31E-06
2174	494911.06, 3859751.99	0.0163039	6.16E-06	2.42E-06	8.73E-03	3.30E-06	1.30E-06	1.23E-03	4.64E-07	1.17E-08	1.25E-03	4.73E-07	1.20E-08	2.42E-06	1.30E-06
2175	494961.06, 3859751.99	0.0161607	6.11E-06	2.40E-06	8.65E-03	3.27E-06	1.29E-06	1.22E-03	4.60E-07	1.16E-08	1.24E-03	4.69E-07	1.19E-08	2.40E-06	1.29E-06
2176	495011.06, 3859751.99	0.016018	6.06E-06	2.38E-06	8.57E-03	3.24E-06	1.27E-06	1.20E-03	4.55E-07	1.15E-08	1.23E-03	4.65E-07	1.18E-08	2.38E-06	1.27E-06
2177	495061.06, 3859751.99	0.0158843	6.01E-06	2.36E-06	8.50E-03	3.22E-06	1.26E-06	1.20E-03	4.52E-07	1.14E-08	1.22E-03	4.61E-07	1.17E-08	2.36E-06	1.26E-06
2178	495111.06, 3859751.99	0.0157454	5.95E-06	2.34E-06	8.43E-03	3.19E-06	1.25E-06	1.18E-03	4.48E-07	1.13E-08	1.21E-03	4.57E-07	1.16E-08	2.34E-06	1.25E-06
2179	495161.06, 3859751.99	0.0156211	5.91E-06	2.32E-06	8.36E-03	3.16E-06	1.24E-06	1.17E-03	4.43E-07	1.12E-08	1.20E-03	4.52E-07	1.14E-08	2.32E-06	1.24E-06
2180	495211.06, 3859751.99	0.0154977	5.86E-06	2.30E-06	8.29E-03	3.13E-06	1.23E-06	1.16E-03	4.38E-07	1.11E-08	1.18E-03	4.47E-07	1.13E-08	2.30E-06	1.23E-06
2181	495261.06, 3859751.99	0.0153804	5.82E-06	2.28E-06	8.23E-03	3.11E-06	1.22E-06	1.15E-03	4.35E-07	1.10E-08	1.18E-03	4.44E-07	1.12E-08	2.28E-06	1.22E-06
2182	495311.06, 3859751.99	0.0152608	5.77E-06	2.27E-06	8.16E-03	3.09E-06	1.21E-06	1.14E-03	4.31E-07	1.09E-08	1.16E-03	4.40E-07	1.11E-08	2.27E-06	1.21E-06
2183	495361.06, 3859751.99	0.0151423	5.73E-06	2.25E-06	8.10E-03	3.06E-06	1.20E-06	1.13E-03	4.26E-07	1.08E-08	1.15E-03	4.36E-07	1.10E-08	2.25E-06	1.20E-06
2184	495411.06, 3859751.99	0.0150262	5.68E-06	2.23E-06	8.04E-03	3.04E-06	1.19E-06	1.12E-03	4.23E-07	1.07E-08	1.14E-03	4.32E-07	1.09E-08	2.23E-06	1.19E-06
2185	495461.06, 3859751.99	0.014917	5.64E-06	2.22E-06	7.97E-03	3.01E-06	1.18E-06	1.10E-03	4.18E-07	1.06E-08	1.13E-03	4.27E-07	1.08E-08	2.22E-06	1.18E-06
2186	495511.06, 3859751.99	0.014808	5.60E-06	2.20E-06	7.91E-03	2.99E-06	1.18E-06	1.09E-03	4.12E-07	1.04E-08	1.11E-03	4.22E-07	1.07E-08	2.20E-06	1.18E-06
2187	495561.06, 3859751.99	0.0146931	5.56E-06	2.18E-06	7.85E-03	2.97E-06	1.17E-06	1.08E-03	4.09E-07	1.03E-08	1.11E-03	4.18E-07	1.06E-08	2.18E-06	1.17E-06
2188	495611.06, 3859751.99	0.0145783	5.51E-06	2.17E-06	7.79E-03	2.94E-06	1.16E-06	1.07E-03	4.05E-07	1.02E-08	1.10E-03	4.15E-07	1.05E-08	2.17E-06	1.16E-06
2189	495661.06, 3859751.99	0.0144803	5.47E-06	2.15E-06	7.73E-03	2.92E-06	1.15E-06	1.06E-03	4.02E-07	1.02E-08	1.09E-03	4.12E-07	1.04E-08	2.15E-06	1.15E-06
2190	494311.06, 3859801.99	0.0177604	6.71E-06	2.64E-06	9.57E-03	3.62E-06	1.42E-06	1.43E-03	5.40E-07	1.37E-08	1.45E-03	5.50E-07	1.39E-08	2.64E-06	1.42E-06
2191	494361.06, 3859801.99	0.0177569	6.71E-06	2.64E-06	9.55E-03	3.61E-06	1.42E-06	1.40E-03	5.31E-07	1.34E-08	1.43E-03	5.41E-07	1.37E-08	2.64E-06	1.42E-06
2192	494411.06, 3859801.99	0.01799	6.80E-06	2.67E-06	9.65E-03	3.65E-06	1.43E-06	1.38E-03	5.21E-07	1.32E-08	1.41E-03	5.31E-07	1.34E-08	2.67E-06	1.43E-06
2193	494461.06, 3859801.99	0.0182243	6.89E-06	2.71E-06	9.76E-03	3.69E-06	1.45E-06	1.38E-03	5.21E-07	1.32E-08	1.40E-03	5.30E-07	1.34E-08	2.71E-06	1.45E-06
2194	494511.06, 3859801.99	0.018033	6.82E-06	2.68E-06	9.67E-03	3.65E-06	1.44E-06	1.38E-03	5.21E-07	1.32E-08	1.40E-03	5.30E-07	1.34E-08	2.68E-06	1.44E-06
2195	494561.06, 3859801.99	0.017483	6.61E-06	2.60E-06	9.39E-03	3.55E-06	1.39E-06	1.36E-03	5.15E-07	1.30E-08	1.39E-03	5.25E-07	1.33E-08	2.60E-06	1.39E-06
2196	494611.06, 3859801.99	0.0171594	6.49E-06	2.55E-06	9.21E-03	3.48E-06	1.37E-06	1.33E-03	5.05E-07	1.28E-08	1.36E-03	5.14E-07	1.30E-08	2.55E-06	1.37E-06
2197	494661.06, 3859801.99	0.0169003	6.39E-06	2.51E-06	9.08E-03	3.43E-06	1.35E-06	1.32E-03	4.99E-07	1.26E-08	1.34E-03	5.08E-07	1.28E-08	2.51E-06	1.35E-06
2198	494711.06, 3859801.99	0.0167035	6.32E-06	2.48E-06	8.97E-03	3.39E-06	1.33E-06	1.30E-03	4.92E-07	1.24E-08	1.32E-03	5.00E-07	1.27E-08	2.48E-06	1.33E-06
2199	494761.06, 3859801.99	0.0165034	6.24E-06	2.45E-06	8.87E-03	3.35E-06	1.32E-06	1.30E-03	4.91E-07	1.24E-08	1.32E-03	5.00E-07	1.27E-08	2.45E-06	1.32E-06
2200	494811.06, 3859801.99	0.0163499	6.18E-06	2.43E-06	8.79E-03	3.32E-06	1.31E-06	1.28E-03	4.86E-07	1.23E-08	1.31E-03	4.94E-07	1.25E-08	2.43E-06	1.31E-06
2201	494861.06, 3859801.99	0.0161837	6.12E-06	2.40E-06	8.70E-03	3.29E-06	1.29E-06	1.27E-03	4.82E-07	1.22E-08	1.30E-03	4.91E-07	1.24E-08	2.40E-06	1.29E-06
2202	494911.06, 3859801.99	0.016042	6.07E-06	2.38E-06	8.62E-03	3.26E-06	1.28E-06	1.26E-03	4.76E-07	1.20E-08	1.28E-03	4.84E-07	1.23E-08	2.38E-06	1.28E-06
2203	494961.06, 3859801.99	0.0158965	6.01E-06	2.36E-06	8.54E-03	3.23E-06	1.27E-06	1.25E-03	4.71E-07	1.19E-08	1.27E-03	4.80E-07	1.21E-08	2.36E-06	1.27E-06
2204	495011.06, 3859801.99	0.01577	5.96E-06	2.34E-06	8.47E-03	3.20E-06	1.26E-06	1.23E-03	4.67E-07	1.18E-08	1.26E-03	4.76E-07	1.20E-08	2.34E-06	1.26E-06
2205	495061.06, 3859801.99	0.0156323	5.91E-06	2.32E-06	8.40E-03	3.18E-06	1.25E-06	1.22E-03	4.63E-07	1.17E-08	1.25E-03	4.72E-07	1.19E-08	2.32E-06	1.25E-06
2206	495111.06, 3859801.99	0.0155064	5.86E-06	2.30E-06	8.33E-03	3.15E-06	1.24E-06	1.21E-03	4.58E-07	1.16E-08	1.23E-03	4.67E-07	1.18E-08	2.30E-06	1.24E-06
2207	495161.06, 3859801.99	0.0153802	5.81E-06	2.28E-06	8.26E-03	3.12E-06	1.23E-06	1.20E-03	4.52E-07	1.14E-08	1.22E-03	4.62E-07	1.17E-08	2.28E-06	1.23E-06
2208	495211.06, 3859801.99	0.0152624	5.77E-06	2.27E-06	8.20E-03	3.10E-06	1.22E-06	1.19E-03	4.49E-07	1.14E-08	1.21E-03	4.59E-07	1.16E-08	2.27E-06	1.22E-06
2209	495261.06, 3859801.99	0.0151406	5.72E-06	2.25E-06	8.13E-03	3.07E-06	1.21E-06	1.17E-03	4.44E-07	1.12E-08	1.20E-03	4.54E-07	1.15E-08	2.25E-06	1.21E-06
2210	495311.06, 3859801.99	0.0150266	5.68E-06	2.23E-06	8.07E-03	3.05E-06	1.20E-06	1.17E-03	4.41E-07	1.12E-08	1.19E-03	4.51E-07	1.14E-08	2.23E-06	1.20E-06
2211	495361.06, 3859801.99	0.0149065	5.64E-06	2.21E-06	8.00E-03	3.03E-06	1.19E-06	1.15E-03	4.37E-07	1.10E-08	1.18E-03	4.46E-07	1.13E-08	2.21E-06	1.19E-06
2212	495411.06, 3859801.99	0.0147997	5.60E-06	2.20E-06	7.94E-03	3.00E-06	1.18E-06	1.14E-03	4.32E-07	1.09E-08	1.17E-03	4.41E-07	1.12E-08	2.20E-06	1.18E-06
2213	495461.06, 3859801.99	0.0146962	5.56E-06	2.18E-06	7.88E-03	2.98E-06	1.17E-06	1.13E-03	4.28E-07	1.08E-08	1.16E-03	4.37E-07	1.11E-08	2.18E-06	1.17E-06
2214	495511.06, 3859801.99	0.0145877	5.52E-06	2.17E-06	7.82E-03	2.96E-06	1.16E-06	1.12E-03	4.22E-07	1.07E-08	1.14E-03	4.32E-07	1.09E-08	2.17E-06	1.16E-06
2215	495561.06, 3859801.99	0.0144737	5.47E-06	2.15E-06	7.76E-03	2.93E-06	1.15E-06	1.11E-03	4.19E-07	1.06E-08	1.13E-03	4.28E-07	1.08E-08	2.15E-06	1.15E-06
2216	495611.06, 3859801.99	0.0143667	5.43E-06	2.13E-06	7.70E-03	2.91E-06	1.14E-06	1.10E-03	4.17E-07	1.05E-08	1.13E-03	4.26E-07	1.08E-08	2.13E-06	1.14E-06
2217	495661.06, 3859801.99	0.0142733	5.40E-06	2.12E-06	7.65E-03	2.89E-06	1.14E-06	1.09E-03	4.12E-07	1.04E-08	1.11E-03	4.22E-07	1.07E-08	2.12E-06	1.14E-06
2218	494311.06, 3859851.99	0.0174825	6.61E-06	2.60E-06	9.45E-03	3.57E-06	1.40E-06	1.46E-03	5.53E-07	1.40E-08	1.49E-03	5.63E-07	1.42E-08	2.60E-06	1.40E-06
2219	494361.06, 3859851.99	0.0174672	6.60E-06	2.59E-06	9.43E-03	3.57E-06	1.40E-06	1.44E-03	5.45E-07	1.38E-08	1.47E-03	5.55E-07	1.41E-08	2.59E-06	1.40E-06
2220	494411.06, 3859851.99	0.0176948	6.69E-06	2.63E-06	9.53E-03	3.60E-06	1.42E-06	1.42E-03	5.37E-07	1.36E-08	1.45E-03	5.47E-07	1.38E-08	2.63E-06	1.42E-06
2221	494461.06, 3859851.99	0.0179122	6.77E-06	2.66E-06	9.62E-03	3.64E-06	1.43E-06	1.40E-03	5.30E-07	1.34E-08	1.43E-03	5.40E-07	1.37E-08	2.66E-06	1.43E-06
2222	494511.06, 3859851.99	0.0178049	6.73E-06	2.64E-06	9.57E-03	3.62E-06	1.42E-06	1.40E-03	5.28E-07	1.34E-08	1.42E-03	5.38E-07	1.36E-08	2.64E-06	1.42E-06
2223	494561.06, 3859851.99	0.0172102	6.51E-06	2.56E-06	9.28E-03	3.51E-06	1.38E-06	1.39E-03	5.27E-07	1.33E-08	1.42E-03	5.37E-07	1.36E-08	2.56E-06	1.38E-06
2224	494611.06, 3859851.99	0.0168981	6.39E-06	2.51E-06	9.10E-03	3.44E-06	1.35E-06	1.36E-03	5.15E-07	1.30E-08	1.39E-03	5.25E-07	1.33E-08	2.51E-06	1.35E-06
2225	494661.06, 3859851.99	0.0166362	6.29E-06	2.47E-06	8.97E-03	3.39E-06	1.33E-06	1.36E-03	5.12E-07	1.30E-08	1.38E-03	5.22E-07	1.32E-08	2.47E-06	1.33E-06
2226	494711.06, 3859851.99	0.0164329	6.21E-06	2.44E-06	8.86E-03	3.35E-06	1.32E-06	1.33E-03	5.04E-07	1.28E-08	1.36E-03	5.13E-07	1.30E-08	2.44E-06	1.32E-06
2227	494761.06, 3859851.99	0.0162428	6.14E-06	2.41E-06	8.76E-03	3.31E-06	1.30E-06	1.33E-03	5.03E-07	1.27E-08	1.35E-03	5.12E-07	1.30E-08	2.41E-06	1.30E-06
2228	494811.06, 3859851.99	0.0160892	6.08E-06	2.39E-06	8.68E-03	3.28E-06	1.29E-06	1.32E-03	4.98E-07	1.26E-08	1.34E-03	5.07E-07	1.28E-08	2.39E-06	1.29E-06
2229	494861.06, 3859851.99	0.0159264	6.02E-06	2.37E-06	8.60E-03	3.25E-06	1.28E-06	1.31E-03	4.95E-07	1.25E-08	1.33E-03	5.04E-07	1.27E-08	2.37E-06	1.28E-06
2230	494911.06, 3859851.99	0.0157822	5.97E-06	2.34E-06	8.52E-03	3.22E-06	1.26E-06	1.29E-03	4.88E-07	1.23E-08	1.32E-03	4.97E-07	1.26E-08	2.34E-06	1.27E-06
2231	494961.06, 3859851.99	0.0156512	5.92E-06	2.32E-06	8.44E-03	3.19E-06	1.25E-06	1.28E-03	4.84E-07	1.22E-08	1.30E-03	4.93E-07	1.25E-08	2.32E-06	1.25E-06
2232	495011.06, 3859851.99	0.0155079	5.86E-06	2.30E-06	8.37E-03	3.16E-06	1.24E-06	1.27E-03	4.79E-07	1.21E-08	1.29E-03	4.88E-07	1.24E-08	2.30E-06	1.24E-06
2233	495061.06, 3859851.99	0.0153831	5.82E-06	2.28E-06	8.30E-03	3.14E-06	1.23E-06	1.26E-03	4.75E-07	1.20E-08	1.28E-03	4.84E-07	1.23E-08	2.29E-06	1.23E-06
2234	495111.06, 3859851.99	0.0152527	5.77E-06	2.27E-06	8.23E-03	3.11E-06	1.22E-06	1.24E-03	4.69E-07	1.19E-08	1.27E-03	4.78E-07	1.21E-08	2.27E-06	1.22E-06
2235	495161.06, 3859851.99	0.0151422	5.72E-06	2.25E-06	8.16E-03	3.09E-06	1.21E-06	1.23E-03	4.64E-07	1.17E-08	1.25E-03	4.74E-07	1.20E-08	2.25E-06	1.21E-06
2236	495211.06, 3859851.99	0.0150214	5.68E-06	2.23E-06	8.10E-03	3.06E-06	1.20E-06	1.22E-03	4.60E-07	1.16E-08	1.24E-03	4.70E-07	1.19E-08	2.23E-06	1.20E-06
2237	495261.06, 3859851.99	0.0148995	5.63E-06	2.21E-06	8.03E-03	3.04E-06	1.19E-06	1.20E-03	4.55E-07	1.15E-08	1.23E-03	4.65E-07	1.18E-08	2.21E-06	1.19E-06
2238	495311.06, 3859851.99	0.0147968	5.59E-06	2.20E-06	7.97E-03	3.01E-06	1.18E-06	1.20E-03	4.52E-07	1.14E-08	1.22E-03	4.61E-07	1.17E-08	2.20E-06	1.18E-06
2239	495361.06, 3859851.99	0.0146786	5.55E-06	2.18E-06	7.91E-03	2.99E-06	1.17E-06	1.18E-03	4.48E-07	1.13E-08	1.21E-03	4.57E-07	1.16E-08	2.18E-06	1.18E-06
2240	495411.06, 3859851.99	0.014572	5.51E-06	2.16E-06	7.85E-03	2.97E-06	1.17E-06	1.17E-03	4.43E-07	1.12E-08	1.20E-03	4.52E-07	1.14E-08	2.16E-06	1.17E-06
2241	495461.06, 3859851.99	0.014466	5.47E-06	2.15E-06	7.79E-03	2.95E-06	1.16E-06	1.16E-03	4.38E-07	1.11E-08	1.18E-03	4.47E-07	1.13E-08	2.15E-06	1.16E-06
2242	495511.06, 3859851.99	0.0143717	5.43E-06	2.13E-06	7.73E-03	2.92E-06	1.15E-06	1.15E-03	4.33E-07	1.10E-08	1.17E-03	4.42E-07	1.12E-08	2.13E-06	1.15E-06
2243	495561.06, 3859851.99	0.0142602	5.39E-06	2.12E-06	7.68E-03	2.90E-06	1.14E-06	1.14E-03	4.30E-07	1.09E-08	1.16E-03	4.39E-07	1.11E-08	2.12E-06	1.14E-06
2244	495611.06, 3859851.99	0.0141623	5.35E-06	2.10E-06	7.62E-03	2.88E-06	1.13E-06	1.13E-03	4.27E-07	1.08E-08	1.15E-03	4.36E-07	1.10E-08	2.10E-06	1.13E-06
2245	495661.06, 3859851.99	0.0140576	5.31E-06	2.09E-06	7.56E-03	2.86E-06	1.12E-06	1.12E-03	4.22E-07	1.07E-08	1.14E-03	4.32E-07	1.09E-08	2.09E-06	1.12E-06
2246	494311.06, 3859901.99	0.0172165	6.51E-06	2.56E-06	9.34E-03	3.53E-06	1.39E-06	1.49E-03	5.65E-07	1.43E-08	1.52E-03	5.76E-07	1.46E-08	2.56E-06	1.39E-06
2247	494361.06, 3859901.99	0.0172085	6.51E-06	2.56E-06	9.32E-03	3.52E-06	1.38E-06	1.46E-03	5.53E-07	1.40E-08	1.49E-03	5.65E-07	1.43E-08	2.56E-06	1.38E-06
2248	494411.06, 3859901.99	0.0174176	6.59E-06	2.59E-06	9.42E-03	3.56E-06	1.40E-06	1.45E-03	5.50E-07	1.39E-08	1.48E-03	5.60E-07	1.42E-08	2.59E-06	1.40E-06
2249	494461.06, 3859901.99	0.0175932	6.65E-06	2.61E-06	9.49E-03	3.59E-06	1.41E-06	1.44E-03	5.44E-07	1.38E-08	1.47E-03	5.54E-07	1.40E-08	2.61E-06	1.41E-06
2250	494511.06, 3859901.99	0.0175583	6.64E-06	2.61E-06	9.47E-03	3.58E-06	1.41E-06	1.43E-03	5.40E-07	1.37E-08	1.45E-03	5.50E-07	1.39E-08	2.61E-06	1.41E-06
2251	494561.06, 3859901.99	0.0169484	6.41E-06	2.52E-06	9.17E-03	3.47E-06	1.36E-06	1.43E-03	5.40E-07	1.37E-08	1.46E-03	5.50E-07	1.39E-08	2.52E-06	1.36E-06
2252	494611.06, 3859901.99	0.0166438	6.29E-06	2.47E-06	9.00E-03	3.40E-06	1.34E-06	1.40E-03	5.28E-07	1.34E-08	1.42E-03	5.38E-07	1.36E-08	2.47E-06	1.34E-06

2253	494661.06, 3859901.99	0.0163754	6.19E-06	2.43E-06	8.87E-03	3.35E-06	1.32E-06	1.39E-03	5.27E-07	1.33E-08	1.42E-03	5.37E-07	1.36E-08	2.43E-06	1.32E-06
2254	494711.06, 3859901.99	0.0161821	6.12E-06	2.40E-06	8.76E-03	3.31E-06	1.30E-06	1.36E-03	5.15E-07	1.30E-08	1.39E-03	5.25E-07	1.33E-08	2.40E-06	1.30E-06
2255	494761.06, 3859901.99	0.0160003	6.05E-06	2.38E-06	8.66E-03	3.28E-06	1.29E-06	1.36E-03	5.13E-07	1.30E-08	1.38E-03	5.23E-07	1.32E-08	2.38E-06	1.29E-06
2256	494811.06, 3859901.99	0.0158163	5.98E-06	2.35E-06	8.57E-03	3.24E-06	1.27E-06	1.35E-03	5.11E-07	1.29E-08	1.38E-03	5.21E-07	1.32E-08	2.35E-06	1.27E-06
2257	494861.06, 3859901.99	0.0156625	5.92E-06	2.33E-06	8.49E-03	3.21E-06	1.26E-06	1.34E-03	5.08E-07	1.28E-08	1.37E-03	5.17E-07	1.31E-08	2.33E-06	1.26E-06
2258	494911.06, 3859901.99	0.0155297	5.87E-06	2.31E-06	8.41E-03	3.18E-06	1.25E-06	1.33E-03	5.01E-07	1.27E-08	1.35E-03	5.10E-07	1.29E-08	2.31E-06	1.25E-06
2259	494961.06, 3859901.99	0.0153839	5.82E-06	2.29E-06	8.34E-03	3.15E-06	1.24E-06	1.31E-03	4.97E-07	1.26E-08	1.34E-03	5.07E-07	1.28E-08	2.29E-06	1.24E-06
2260	495011.06, 3859901.99	0.0152639	5.77E-06	2.27E-06	8.27E-03	3.13E-06	1.23E-06	1.30E-03	4.92E-07	1.24E-08	1.32E-03	5.00E-07	1.27E-08	2.27E-06	1.23E-06
2261	495061.06, 3859901.99	0.0151335	5.72E-06	2.25E-06	8.20E-03	3.10E-06	1.22E-06	1.29E-03	4.86E-07	1.23E-08	1.31E-03	4.96E-07	1.25E-08	2.25E-06	1.22E-06
2262	495111.06, 3859901.99	0.0150158	5.68E-06	2.23E-06	8.13E-03	3.07E-06	1.21E-06	1.27E-03	4.80E-07	1.22E-08	1.30E-03	4.90E-07	1.24E-08	2.23E-06	1.21E-06
2263	495161.06, 3859901.99	0.0149019	5.63E-06	2.21E-06	8.06E-03	3.05E-06	1.20E-06	1.26E-03	4.75E-07	1.20E-08	1.28E-03	4.84E-07	1.22E-08	2.21E-06	1.20E-06
2264	495211.06, 3859901.99	0.0147834	5.59E-06	2.20E-06	8.00E-03	3.02E-06	1.19E-06	1.25E-03	4.71E-07	1.19E-08	1.27E-03	4.81E-07	1.22E-08	2.20E-06	1.19E-06
2265	495261.06, 3859901.99	0.0146694	5.55E-06	2.18E-06	7.94E-03	3.00E-06	1.18E-06	1.23E-03	4.66E-07	1.18E-08	1.26E-03	4.75E-07	1.20E-08	2.18E-06	1.18E-06
2266	495311.06, 3859901.99	0.0145528	5.50E-06	2.16E-06	7.87E-03	2.98E-06	1.17E-06	1.22E-03	4.62E-07	1.17E-08	1.25E-03	4.71E-07	1.19E-08	2.16E-06	1.17E-06
2267	495361.06, 3859901.99	0.0144474	5.46E-06	2.15E-06	7.81E-03	2.95E-06	1.16E-06	1.21E-03	4.58E-07	1.16E-08	1.23E-03	4.67E-07	1.18E-08	2.15E-06	1.16E-06
2268	495411.06, 3859901.99	0.0143519	5.43E-06	2.13E-06	7.76E-03	2.93E-06	1.15E-06	1.20E-03	4.52E-07	1.14E-08	1.22E-03	4.62E-07	1.17E-08	2.13E-06	1.15E-06
2269	495461.06, 3859901.99	0.0142459	5.39E-06	2.12E-06	7.70E-03	2.91E-06	1.14E-06	1.18E-03	4.48E-07	1.13E-08	1.21E-03	4.57E-07	1.16E-08	2.12E-06	1.14E-06
2270	495511.06, 3859901.99	0.0141454	5.35E-06	2.10E-06	7.64E-03	2.89E-06	1.14E-06	1.17E-03	4.44E-07	1.12E-08	1.20E-03	4.54E-07	1.15E-08	2.10E-06	1.14E-06
2271	495561.06, 3859901.99	0.0140335	5.31E-06	2.08E-06	7.58E-03	2.87E-06	1.13E-06	1.17E-03	4.41E-07	1.12E-08	1.19E-03	4.51E-07	1.14E-08	2.08E-06	1.13E-06
2272	495611.06, 3859901.99	0.0139424	5.27E-06	2.07E-06	7.53E-03	2.85E-06	1.12E-06	1.15E-03	4.37E-07	1.10E-08	1.18E-03	4.46E-07	1.13E-08	2.07E-06	1.12E-06
2273	495661.06, 3859901.99	0.0138515	5.24E-06	2.06E-06	7.48E-03	2.83E-06	1.11E-06	1.14E-03	4.32E-07	1.09E-08	1.17E-03	4.41E-07	1.12E-08	2.06E-06	1.11E-06
2274	494311.06, 3859951.99	0.016959	6.41E-06	2.52E-06	9.24E-03	3.49E-06	1.37E-06	1.53E-03	5.79E-07	1.47E-08	1.56E-03	5.91E-07	1.50E-08	2.52E-06	1.37E-06
2275	494361.06, 3859951.99	0.0169508	6.41E-06	2.52E-06	9.22E-03	3.49E-06	1.37E-06	1.51E-03	5.70E-07	1.44E-08	1.54E-03	5.83E-07	1.47E-08	2.52E-06	1.37E-06
2276	494411.06, 3859951.99	0.0171639	6.49E-06	2.55E-06	9.32E-03	3.52E-06	1.38E-06	1.49E-03	5.63E-07	1.43E-08	1.52E-03	5.75E-07	1.45E-08	2.55E-06	1.38E-06
2277	494461.06, 3859951.99	0.0173621	6.56E-06	2.58E-06	9.40E-03	3.55E-06	1.40E-06	1.47E-03	5.57E-07	1.41E-08	1.50E-03	5.68E-07	1.44E-08	2.58E-06	1.40E-06
2278	494511.06, 3859951.99	0.0173402	6.56E-06	2.58E-06	9.38E-03	3.55E-06	1.39E-06	1.46E-03	5.53E-07	1.40E-08	1.49E-03	5.64E-07	1.43E-08	2.58E-06	1.39E-06
2279	494561.06, 3859951.99	0.0167112	6.32E-06	2.48E-06	9.08E-03	3.43E-06	1.35E-06	1.47E-03	5.55E-07	1.40E-08	1.50E-03	5.66E-07	1.43E-08	2.48E-06	1.35E-06
2280	494611.06, 3859951.99	0.0163899	6.20E-06	2.43E-06	8.91E-03	3.37E-06	1.32E-06	1.44E-03	5.43E-07	1.37E-08	1.47E-03	5.54E-07	1.40E-08	2.43E-06	1.32E-06
2281	494661.06, 3859951.99	0.0161231	6.10E-06	2.39E-06	8.77E-03	3.32E-06	1.30E-06	1.43E-03	5.43E-07	1.37E-08	1.46E-03	5.53E-07	1.40E-08	2.40E-06	1.30E-06
2282	494711.06, 3859951.99	0.0159261	6.02E-06	2.37E-06	8.66E-03	3.27E-06	1.29E-06	1.41E-03	5.32E-07	1.35E-08	1.43E-03	5.42E-07	1.37E-08	2.37E-06	1.29E-06
2283	494761.06, 3859951.99	0.0157432	5.95E-06	2.34E-06	8.56E-03	3.24E-06	1.27E-06	1.40E-03	5.28E-07	1.34E-08	1.42E-03	5.38E-07	1.36E-08	2.34E-06	1.27E-06
2284	494811.06, 3859951.99	0.0155708	5.89E-06	2.31E-06	8.47E-03	3.20E-06	1.26E-06	1.38E-03	5.24E-07	1.32E-08	1.41E-03	5.34E-07	1.35E-08	2.31E-06	1.26E-06
2285	494861.06, 3859951.99	0.0154042	5.82E-06	2.29E-06	8.39E-03	3.17E-06	1.25E-06	1.38E-03	5.21E-07	1.32E-08	1.41E-03	5.31E-07	1.34E-08	2.29E-06	1.25E-06
2286	494911.06, 3859951.99	0.0152659	5.77E-06	2.27E-06	8.31E-03	3.14E-06	1.23E-06	1.36E-03	5.14E-07	1.30E-08	1.39E-03	5.24E-07	1.33E-08	2.27E-06	1.23E-06
2287	494961.06, 3859951.99	0.0151376	5.72E-06	2.25E-06	8.24E-03	3.11E-06	1.22E-06	1.34E-03	5.08E-07	1.29E-08	1.37E-03	5.18E-07	1.31E-08	2.25E-06	1.22E-06
2288	495011.06, 3859951.99	0.0150158	5.68E-06	2.23E-06	8.17E-03	3.09E-06	1.21E-06	1.33E-03	5.03E-07	1.27E-08	1.35E-03	5.12E-07	1.30E-08	2.23E-06	1.21E-06
2289	495061.06, 3859951.99	0.0148862	5.63E-06	2.21E-06	8.10E-03	3.06E-06	1.20E-06	1.32E-03	4.98E-07	1.26E-08	1.34E-03	5.08E-07	1.28E-08	2.21E-06	1.20E-06
2290	495111.06, 3859951.99	0.0147655	5.58E-06	2.19E-06	8.03E-03	3.03E-06	1.19E-06	1.30E-03	4.92E-07	1.24E-08	1.33E-03	5.01E-07	1.27E-08	2.19E-06	1.19E-06
2291	495161.06, 3859951.99	0.0146485	5.54E-06	2.18E-06	7.96E-03	3.01E-06	1.18E-06	1.28E-03	4.86E-07	1.23E-08	1.31E-03	4.96E-07	1.25E-08	2.18E-06	1.18E-06
2292	495211.06, 3859951.99	0.0145489	5.50E-06	2.16E-06	7.90E-03	2.99E-06	1.17E-06	1.27E-03	4.80E-07	1.22E-08	1.30E-03	4.90E-07	1.24E-08	2.16E-06	1.17E-06
2293	495261.06, 3859951.99	0.014426	5.45E-06	2.14E-06	7.83E-03	2.96E-06	1.16E-06	1.26E-03	4.76E-07	1.20E-08	1.28E-03	4.85E-07	1.23E-08	2.14E-06	1.16E-06
2294	495311.06, 3859951.99	0.0143267	5.42E-06	2.13E-06	7.78E-03	2.94E-06	1.16E-06	1.25E-03	4.73E-07	1.20E-08	1.28E-03	4.83E-07	1.22E-08	2.13E-06	1.16E-06
2295	495361.06, 3859951.99	0.0142216	5.38E-06	2.11E-06	7.72E-03	2.92E-06	1.15E-06	1.24E-03	4.69E-07	1.19E-08	1.27E-03	4.78E-07	1.21E-08	2.11E-06	1.15E-06
2296	495411.06, 3859951.99	0.0141124	5.34E-06	2.10E-06	7.66E-03	2.90E-06	1.14E-06	1.23E-03	4.64E-07	1.17E-08	1.25E-03	4.73E-07	1.20E-08	2.10E-06	1.14E-06
2297	495461.06, 3859951.99	0.0140197	5.30E-06	2.08E-06	7.61E-03	2.88E-06	1.13E-06	1.21E-03	4.59E-07	1.16E-08	1.24E-03	4.68E-07	1.19E-08	2.08E-06	1.13E-06
2298	495511.06, 3859951.99	0.0139142	5.26E-06	2.07E-06	7.55E-03	2.85E-06	1.12E-06	1.20E-03	4.54E-07	1.15E-08	1.23E-03	4.63E-07	1.17E-08	2.07E-06	1.12E-06
2299	495561.06, 3859951.99	0.0138206	5.23E-06	2.05E-06	7.50E-03	2.84E-06	1.11E-06	1.20E-03	4.52E-07	1.14E-08	1.22E-03	4.62E-07	1.17E-08	2.05E-06	1.11E-06
2300	495611.06, 3859951.99	0.0137272	5.19E-06	2.04E-06	7.45E-03	2.81E-06	1.11E-06	1.18E-03	4.47E-07	1.13E-08	1.21E-03	4.57E-07	1.16E-08	2.04E-06	1.11E-06
2301	495661.06, 3859951.99	0.0136339	5.15E-06	2.03E-06	7.39E-03	2.79E-06	1.10E-06	1.17E-03	4.42E-07	1.12E-08	1.19E-03	4.51E-07	1.14E-08	2.03E-06	1.10E-06
2302	494311.06, 3860001.99	0.0167857	6.35E-06	2.49E-06	9.18E-03	3.47E-06	1.36E-06	1.57E-03	5.93E-07	1.50E-08	1.60E-03	6.07E-07	1.53E-08	2.49E-06	1.36E-06
2303	494361.06, 3860001.99	0.0168342	6.36E-06	2.50E-06	9.20E-03	3.48E-06	1.37E-06	1.55E-03	5.86E-07	1.48E-08	1.58E-03	5.99E-07	1.52E-08	2.50E-06	1.37E-06
2304	494411.06, 3860001.99	0.0170467	6.45E-06	2.53E-06	9.28E-03	3.51E-06	1.38E-06	1.52E-03	5.76E-07	1.46E-08	1.56E-03	5.89E-07	1.49E-08	2.53E-06	1.38E-06
2305	494461.06, 3860001.99	0.0173418	6.56E-06	2.58E-06	9.42E-03	3.56E-06	1.40E-06	1.51E-03	5.72E-07	1.45E-08	1.54E-03	5.84E-07	1.48E-08	2.58E-06	1.40E-06
2306	494511.06, 3860001.99	0.0172601	6.53E-06	2.56E-06	9.36E-03	3.54E-06	1.39E-06	1.49E-03	5.64E-07	1.43E-08	1.52E-03	5.76E-07	1.46E-08	2.56E-06	1.39E-06
2307	494561.06, 3860001.99	0.0165476	6.26E-06	2.46E-06	9.03E-03	3.41E-06	1.34E-06	1.51E-03	5.69E-07	1.44E-08	1.54E-03	5.81E-07	1.47E-08	2.46E-06	1.34E-06
2308	494611.06, 3860001.99	0.0161704	6.11E-06	2.40E-06	8.83E-03	3.34E-06	1.31E-06	1.48E-03	5.61E-07	1.42E-08	1.51E-03	5.73E-07	1.45E-08	2.40E-06	1.31E-06
2309	494661.06, 3860001.99	0.0158844	6.01E-06	2.36E-06	8.68E-03	3.28E-06	1.29E-06	1.47E-03	5.57E-07	1.41E-08	1.50E-03	5.68E-07	1.44E-08	2.36E-06	1.29E-06
2310	494711.06, 3860001.99	0.0156916	5.93E-06	2.33E-06	8.56E-03	3.24E-06	1.27E-06	1.43E-03	5.41E-07	1.37E-08	1.46E-03	5.52E-07	1.40E-08	2.33E-06	1.27E-06
2311	494761.06, 3860001.99	0.0154758	5.85E-06	2.30E-06	8.46E-03	3.20E-06	1.26E-06	1.43E-03	5.42E-07	1.37E-08	1.46E-03	5.53E-07	1.40E-08	2.30E-06	1.26E-06
2312	494811.06, 3860001.99	0.0153017	5.79E-06	2.27E-06	8.37E-03	3.16E-06	1.24E-06	1.42E-03	5.38E-07	1.36E-08	1.45E-03	5.49E-07	1.39E-08	2.27E-06	1.24E-06
2313	494861.06, 3860001.99	0.0151445	5.73E-06	2.25E-06	8.29E-03	3.13E-06	1.23E-06	1.42E-03	5.36E-07	1.36E-08	1.44E-03	5.46E-07	1.38E-08	2.25E-06	1.23E-06
2314	494911.06, 3860001.99	0.0150187	5.68E-06	2.23E-06	8.20E-03	3.10E-06	1.22E-06	1.38E-03	5.22E-07	1.32E-08	1.41E-03	5.33E-07	1.35E-08	2.23E-06	1.22E-06
2315	494961.06, 3860001.99	0.0148735	5.62E-06	2.21E-06	8.13E-03	3.07E-06	1.21E-06	1.37E-03	5.19E-07	1.31E-08	1.40E-03	5.30E-07	1.34E-08	2.21E-06	1.21E-06
2316	495011.06, 3860001.99	0.0147618	5.58E-06	2.19E-06	8.06E-03	3.05E-06	1.20E-06	1.36E-03	5.13E-07	1.30E-08	1.38E-03	5.23E-07	1.32E-08	2.19E-06	1.20E-06
2317	495061.06, 3860001.99	0.0146248	5.53E-06	2.17E-06	7.99E-03	3.02E-06	1.19E-06	1.35E-03	5.11E-07	1.29E-08	1.38E-03	5.21E-07	1.32E-08	2.17E-06	1.19E-06
2318	495111.06, 3860001.99	0.0145171	5.49E-06	2.16E-06	7.93E-03	3.00E-06	1.18E-06	1.33E-03	5.04E-07	1.28E-08	1.36E-03	5.14E-07	1.30E-08	2.16E-06	1.18E-06
2319	495161.06, 3860001.99	0.0144	5.44E-06	2.14E-06	7.86E-03	2.97E-06	1.17E-06	1.32E-03	4.98E-07	1.26E-08	1.34E-03	5.08E-07	1.28E-08	2.14E-06	1.17E-06
2320	495211.06, 3860001.99	0.0142964	5.41E-06	2.12E-06	7.80E-03	2.95E-06	1.16E-06	1.31E-03	4.95E-07	1.25E-08	1.34E-03	5.05E-07	1.28E-08	2.12E-06	1.16E-06
2321	495261.06, 3860001.99	0.0141841	5.36E-06	2.11E-06	7.74E-03	2.93E-06	1.15E-06	1.30E-03	4.90E-07	1.24E-08	1.32E-03	4.99E-07	1.26E-08	2.11E-06	1.15E-06
2322	495311.06, 3860001.99	0.0140779	5.32E-06	2.09E-06	7.68E-03	2.90E-06	1.14E-06	1.28E-03	4.86E-07	1.23E-08	1.31E-03	4.95E-07	1.25E-08	2.09E-06	1.14E-06
2323	495361.06, 3860001.99	0.0139856	5.29E-06	2.08E-06	7.62E-03	2.88E-06	1.13E-06	1.26E-03	4.78E-07	1.21E-08	1.29E-03	4.88E-07	1.23E-08	2.08E-06	1.13E-06
2324	495411.06, 3860001.99	0.0138764	5.25E-06	2.06E-06	7.57E-03	2.86E-06	1.12E-06	1.26E-03	4.76E-07	1.20E-08	1.28E-03	4.86E-07	1.23E-08	2.06E-06	1.12E-06
2325	495461.06, 3860001.99	0.0137837	5.21E-06	2.05E-06	7.51E-03	2.84E-06	1.12E-06	1.25E-03	4.71E-07	1.19E-08	1.27E-03	4.81E-07	1.22E-08	2.05E-06	1.12E-06
2326	495511.06, 3860001.99	0.0136918	5.18E-06	2.03E-06	7.46E-03	2.82E-06	1.11E-06	1.23E-03	4.67E-07	1.18E-08	1.26E-03	4.76E-07	1.21E-08	2.03E-06	1.11E-06
2327	495561.06, 3860001.99	0.0135954	5.14E-06	2.02E-06	7.41E-03	2.80E-06	1.10E-06	1.23E-03	4.64E-07	1.17E-08	1.25E-03	4.74E-07	1.20E-08	2.02E-06	1.10E-06
2328	495611.06, 3860001.99	0.0135017	5.10E-06	2.01E-06	7.36E-03	2.78E-06	1.09E-06	1.21E-03	4.59E-07	1.16E-08	1.24E-03	4.68E-07	1.19E-08	2.01E-06	1.09E-06
2329	495661.06, 3860001.99	0.0134224	5.07E-06	1.99E-06	7.31E-03	2.76E-06	1.09E-06	1.20E-03	4.54E-07	1.15E-08	1.22E-03	4.63E-07	1.17E-08	1.99E-06	1.09E-06
2330	494411.06, 3860051.99	0.0190538	7.20E-06	2.83E-06	1.03E-02	3.89E-06	1.53E-06	1.57E-03	5.93E-07	1.50E-08	1.60E-03	6.06E-07	1.53E-08	2.83E-06	1.53E-06
2331	494461.06, 3860051.99	0.0187641	7.09E-06	2.79E-06	1.01E-02	3.83E-06	1.51E-06	1.55E-03	5.86E-07	1.48E-08	1.58E-03	5.99E-07	1.51E-08	2.79E-06	1.51E-06
2332	494511.06, 3860051.99	0.0172269	6.51E-06	2.56E-06	9.37E-03	3.54E-06	1.39E-06	1.53E-03	5.79E-07	1.47E-08	1.57E-03	5.92E-07	1.50E-08	2.56E-06	1.39E-06
2333	494561.06, 3860051.99	0.016305	6.16E-06	2.42E-06	8.93E-03	3.37E-06	1.33E-06	1.53E-03	5.80E-07	1.47E-08	1.57E-03	5.92E-07	1.50E-08	2.42E-06	1.33E-06
2334	494611.06, 3860051.99	0.0158647	6.00E-06	2.36E-06	8.71E-03	3.29E-06	1.29E-06	1.52E-03	5.76E-07	1.46E-08	1.56E-03	5.89E-07	1.49E-08	2.36E-06	1.29E-06
2335	494661.06, 3860051.99	0.0155783	5.89E-06	2.31E-06	8.56E-03	3.24E-06	1.27E-06	1.51E-03	5.72E-07	1.45E-08	1.54E-03	5.84E-07	1.48E-08	2.31E-06	1.27E-06
2336	494711.06, 3860051.99	0.0153846	5.82E-06	2.29E-06	8.45E-03	3.19E-06	1.25E-06	1.48E-03	5.61E-07	1.42E-08	1.51E-03	5.73E-07	1.45E-08	2.29E-06	1.25E-06
2337	494761.06, 3860051.99	0.0151912	5.74E-06	2.26E-06	8.34E-03	3.16E-06	1.24E-06	1.47E-03	5.57E-07	1.41E-08	1.50E-03	5.68E-07	1.44E-08	2.26E-06	1.24E-06
2338	494811.06, 3860051.99	0.0150137	5.68E-06	2.23E-06	8.26E-03	3.12E-06	1.23E-06	1.47E-03	5.56E-07	1.41E-08	1.50E-03	5.67E-07	1.43E-08	2.23E-06	1.23E-06
2339	494861.06, 3860051.99	0.0148569	5.62E-06	2.21E-06	8.18E-03	3.09E-06	1.21E-06	1.46E-03	5.53E-07	1.40E-08	1.49E-03	5.65E-07	1.43E-08	2.21E-06	1.21E-06
2340	494911.06, 3860051.99	0.0147263	5.57E-06	2.19E-06	8.10E-03	3.06E-06	1.20E-06	1.44E-03	5.45E-07	1.38E-08	1.47E-03	5.56E-07	1.41E-08	2.19E-06	1.20E-06
2341	494961.06, 3860051.99	0.0146008	5.52E-06	2.17E-06	8.02E-03	3.03E-06	1.19E-06	1.42E-03	5.37E-07	1.36E-08	1.45E-03	5.47E-07	1.38E-08	2.17E-06	1.19E-06
2342	495011.06, 3860051.99	0.0144822	5.48E-06	2.15E-06	7.95E-03	3.01E-06	1.18E-06	1.40E-03	5.29E-07	1.34E-08	1.43E-03	5.40E-07	1.37E-08	2.15E-06	1.18E-06
2343	495061.06, 3860051.99	0.0143763	5.44E-06	2.14E-06	7.89E-03	2.98E-06	1.17E-06	1.38E-03	5.24E-07	1.32E-08	1.41E-03	5.34E-07	1.35E-08	2.14E-06	1.17E-06
2344	495111.06, 3860051.99	0.0142638	5.39E-06	2.12E-06	7.82E-03	2.96E-06	1.16E-06	1.36E-03	5.16E-07	1.31E-08	1.39E-03	5.26E-07	1.33E-08	2.12E-06	1.16E-06
2345	495161.06, 3860051.99	0.014149	5.35E-06	2.10E-06	7.76E-03	2.93E-06	1.15E-06	1.35E-03	5.11E-07	1.29E-08	1.38E-03	5.21E-07	1.32E-08	2.10E-06	1.15E-06
2346	495211.06, 3860051.99	0.0140471	5.31E-06	2.09E-06	7.70E-03	2.91E-06	1.14E-06	1.33E-03	5.05E-07	1.28E-08	1.36E-03	5.15E-07	1.30E-08	2.09E-06	1.14E-06

2347	495261.06, 3860051.99	0.0139418	5.27E-06	2.07E-06	7.64E-03	2.89E-06	1.14E-06	1.33E-03	5.01E-07	1.27E-08	1.35E-03	5.11E-07	1.29E-08	2.07E-06	1.14E-06
2348	495311.06, 3860051.99	0.0138378	5.23E-06	2.06E-06	7.58E-03	2.87E-06	1.13E-06	1.32E-03	4.98E-07	1.26E-08	1.34E-03	5.07E-07	1.28E-08	2.06E-06	1.13E-06
2349	495361.06, 3860051.99	0.0137459	5.20E-06	2.04E-06	7.53E-03	2.85E-06	1.12E-06	1.30E-03	4.93E-07	1.25E-08	1.33E-03	5.04E-07	1.27E-08	2.04E-06	1.12E-06
2350	495411.06, 3860051.99	0.0136408	5.16E-06	2.03E-06	7.47E-03	2.83E-06	1.11E-06	1.29E-03	4.89E-07	1.24E-08	1.32E-03	4.99E-07	1.26E-08	2.03E-06	1.11E-06
2351	495461.06, 3860051.99	0.0135458	5.12E-06	2.01E-06	7.42E-03	2.81E-06	1.10E-06	1.28E-03	4.84E-07	1.22E-08	1.31E-03	4.94E-07	1.25E-08	2.01E-06	1.10E-06
2352	495511.06, 3860051.99	0.0134582	5.09E-06	2.00E-06	7.37E-03	2.79E-06	1.09E-06	1.27E-03	4.80E-07	1.22E-08	1.30E-03	4.90E-07	1.24E-08	2.00E-06	1.10E-06
2353	495561.06, 3860051.99	0.0133686	5.05E-06	1.99E-06	7.32E-03	2.77E-06	1.09E-06	1.26E-03	4.76E-07	1.20E-08	1.28E-03	4.86E-07	1.23E-08	1.99E-06	1.09E-06
2354	495611.06, 3860051.99	0.0132754	5.02E-06	1.97E-06	7.27E-03	2.75E-06	1.08E-06	1.25E-03	4.71E-07	1.19E-08	1.27E-03	4.81E-07	1.22E-08	1.97E-06	1.08E-06
2355	495661.06, 3860051.99	0.0131935	4.99E-06	1.96E-06	7.22E-03	2.73E-06	1.07E-06	1.23E-03	4.65E-07	1.18E-08	1.26E-03	4.75E-07	1.20E-08	1.96E-06	1.07E-06
2356	494411.06, 3860101.99	0.0171189	6.47E-06	2.54E-06	9.36E-03	3.54E-06	1.39E-06	1.59E-03	6.02E-07	1.52E-08	1.63E-03	6.17E-07	1.56E-08	2.54E-06	1.39E-06
2357	494461.06, 3860101.99	0.0164674	6.23E-06	2.45E-06	9.04E-03	3.42E-06	1.34E-06	1.59E-03	6.02E-07	1.52E-08	1.63E-03	6.16E-07	1.56E-08	2.45E-06	1.34E-06
2358	494511.06, 3860101.99	0.0160675	6.07E-06	2.39E-06	8.83E-03	3.34E-06	1.31E-06	1.56E-03	5.92E-07	1.50E-08	1.60E-03	6.05E-07	1.53E-08	2.39E-06	1.31E-06
2359	494561.06, 3860101.99	0.0157424	5.95E-06	2.34E-06	8.67E-03	3.28E-06	1.29E-06	1.56E-03	5.89E-07	1.49E-08	1.59E-03	6.02E-07	1.52E-08	2.34E-06	1.29E-06
2360	494611.06, 3860101.99	0.0154716	5.85E-06	2.30E-06	8.54E-03	3.23E-06	1.27E-06	1.56E-03	5.89E-07	1.49E-08	1.59E-03	6.02E-07	1.52E-08	2.30E-06	1.27E-06
2361	494661.06, 3860101.99	0.0152377	5.76E-06	2.26E-06	8.42E-03	3.18E-06	1.25E-06	1.55E-03	5.86E-07	1.48E-08	1.58E-03	5.99E-07	1.51E-08	2.26E-06	1.25E-06
2362	494711.06, 3860101.99	0.0150724	5.70E-06	2.24E-06	8.32E-03	3.15E-06	1.24E-06	1.52E-03	5.76E-07	1.46E-08	1.56E-03	5.88E-07	1.49E-08	2.24E-06	1.24E-06
2363	494761.06, 3860101.99	0.0148912	5.63E-06	2.21E-06	8.22E-03	3.11E-06	1.22E-06	1.51E-03	5.72E-07	1.45E-08	1.54E-03	5.84E-07	1.48E-08	2.21E-06	1.22E-06
2364	494811.06, 3860101.99	0.0147376	5.57E-06	2.19E-06	8.14E-03	3.08E-06	1.21E-06	1.50E-03	5.68E-07	1.44E-08	1.53E-03	5.80E-07	1.47E-08	2.19E-06	1.21E-06
2365	494861.06, 3860101.99	0.0145377	5.50E-06	2.16E-06	8.05E-03	3.04E-06	1.20E-06	1.51E-03	5.72E-07	1.45E-08	1.54E-03	5.83E-07	1.48E-08	2.16E-06	1.20E-06
2366	494911.06, 3860101.99	0.014471	5.47E-06	2.15E-06	7.99E-03	3.02E-06	1.19E-06	1.47E-03	5.54E-07	1.40E-08	1.50E-03	5.66E-07	1.43E-08	2.15E-06	1.19E-06
2367	494961.06, 3860101.99	0.0143335	5.42E-06	2.13E-06	7.92E-03	2.99E-06	1.18E-06	1.45E-03	5.50E-07	1.39E-08	1.48E-03	5.61E-07	1.42E-08	2.13E-06	1.18E-06
2368	495011.06, 3860101.99	0.0142177	5.38E-06	2.11E-06	7.85E-03	2.97E-06	1.17E-06	1.43E-03	5.43E-07	1.37E-08	1.46E-03	5.54E-07	1.40E-08	2.11E-06	1.17E-06
2369	495061.06, 3860101.99	0.0141073	5.33E-06	2.10E-06	7.78E-03	2.94E-06	1.16E-06	1.42E-03	5.36E-07	1.36E-08	1.45E-03	5.47E-07	1.38E-08	2.10E-06	1.16E-06
2370	495111.06, 3860101.99	0.0140062	5.30E-06	2.08E-06	7.72E-03	2.92E-06	1.15E-06	1.40E-03	5.28E-07	1.34E-08	1.42E-03	5.39E-07	1.36E-08	2.08E-06	1.15E-06
2371	495161.06, 3860101.99	0.0138982	5.25E-06	2.06E-06	7.66E-03	2.90E-06	1.14E-06	1.39E-03	5.24E-07	1.33E-08	1.42E-03	5.35E-07	1.35E-08	2.06E-06	1.14E-06
2372	495211.06, 3860101.99	0.0137987	5.22E-06	2.05E-06	7.60E-03	2.87E-06	1.13E-06	1.37E-03	5.19E-07	1.31E-08	1.40E-03	5.30E-07	1.34E-08	2.05E-06	1.13E-06
2373	495261.06, 3860101.99	0.0137023	5.18E-06	2.04E-06	7.55E-03	2.85E-06	1.12E-06	1.36E-03	5.14E-07	1.30E-08	1.39E-03	5.25E-07	1.33E-08	2.04E-06	1.12E-06
2374	495311.06, 3860101.99	0.013594	5.14E-06	2.02E-06	7.49E-03	2.83E-06	1.11E-06	1.35E-03	5.09E-07	1.29E-08	1.37E-03	5.20E-07	1.31E-08	2.02E-06	1.11E-06
2375	495361.06, 3860101.99	0.013493	5.10E-06	2.00E-06	7.43E-03	2.81E-06	1.10E-06	1.34E-03	5.06E-07	1.28E-08	1.37E-03	5.17E-07	1.31E-08	2.00E-06	1.10E-06
2376	495411.06, 3860101.99	0.0134131	5.07E-06	1.99E-06	7.39E-03	2.79E-06	1.10E-06	1.33E-03	5.02E-07	1.27E-08	1.35E-03	5.12E-07	1.29E-08	1.99E-06	1.10E-06
2377	495461.06, 3860101.99	0.0133253	5.04E-06	1.98E-06	7.33E-03	2.77E-06	1.09E-06	1.31E-03	4.95E-07	1.25E-08	1.33E-03	5.04E-07	1.28E-08	1.98E-06	1.09E-06
2378	495511.06, 3860101.99	0.0132266	5.00E-06	1.96E-06	7.28E-03	2.75E-06	1.08E-06	1.30E-03	4.92E-07	1.24E-08	1.33E-03	5.02E-07	1.27E-08	1.96E-06	1.08E-06
2379	495561.06, 3860101.99	0.013142	4.97E-06	1.95E-06	7.23E-03	2.73E-06	1.07E-06	1.29E-03	4.89E-07	1.24E-08	1.32E-03	4.99E-07	1.26E-08	1.95E-06	1.07E-06
2380	495611.06, 3860101.99	0.013058	4.94E-06	1.94E-06	7.18E-03	2.71E-06	1.07E-06	1.28E-03	4.82E-07	1.22E-08	1.30E-03	4.92E-07	1.24E-08	1.94E-06	1.07E-06
2381	495661.06, 3860101.99	0.01297	4.90E-06	1.93E-06	7.13E-03	2.70E-06	1.06E-06	1.26E-03	4.78E-07	1.21E-08	1.29E-03	4.88E-07	1.23E-08	1.93E-06	1.06E-06
2382	494861.06, 3860151.99	0.0142396	5.38E-06	2.12E-06	7.94E-03	3.00E-06	1.18E-06	1.56E-03	5.91E-07	1.50E-08	1.60E-03	6.04E-07	1.53E-08	2.12E-06	1.18E-06
2383	494911.06, 3860151.99	0.0141821	5.36E-06	2.11E-06	7.88E-03	2.98E-06	1.17E-06	1.51E-03	5.72E-07	1.45E-08	1.54E-03	5.84E-07	1.48E-08	2.11E-06	1.17E-06
2384	494961.06, 3860151.99	0.014064	5.32E-06	2.09E-06	7.81E-03	2.95E-06	1.16E-06	1.49E-03	5.64E-07	1.43E-08	1.52E-03	5.76E-07	1.46E-08	2.09E-06	1.16E-06
2385	495011.06, 3860151.99	0.0139475	5.27E-06	2.07E-06	7.74E-03	2.93E-06	1.15E-06	1.47E-03	5.57E-07	1.41E-08	1.50E-03	5.69E-07	1.44E-08	2.07E-06	1.15E-06
2386	495061.06, 3860151.99	0.0138496	5.24E-06	2.06E-06	7.68E-03	2.90E-06	1.14E-06	1.45E-03	5.50E-07	1.39E-08	1.49E-03	5.62E-07	1.42E-08	2.06E-06	1.14E-06
2387	495111.06, 3860151.99	0.0137471	5.20E-06	2.04E-06	7.62E-03	2.88E-06	1.13E-06	1.44E-03	5.44E-07	1.38E-08	1.47E-03	5.55E-07	1.41E-08	2.04E-06	1.13E-06
2388	495161.06, 3860151.99	0.0136468	5.16E-06	2.03E-06	7.56E-03	2.86E-06	1.12E-06	1.43E-03	5.39E-07	1.36E-08	1.46E-03	5.50E-07	1.39E-08	2.03E-06	1.12E-06
2389	495211.06, 3860151.99	0.0135477	5.12E-06	2.01E-06	7.51E-03	2.84E-06	1.11E-06	1.41E-03	5.34E-07	1.35E-08	1.44E-03	5.44E-07	1.38E-08	2.01E-06	1.12E-06
2390	495261.06, 3860151.99	0.0134524	5.09E-06	2.00E-06	7.45E-03	2.82E-06	1.11E-06	1.40E-03	5.29E-07	1.34E-08	1.43E-03	5.40E-07	1.37E-08	2.00E-06	1.11E-06
2391	495311.06, 3860151.99	0.0133445	5.05E-06	1.98E-06	7.39E-03	2.79E-06	1.10E-06	1.39E-03	5.24E-07	1.33E-08	1.42E-03	5.35E-07	1.35E-08	1.98E-06	1.10E-06
2392	495361.06, 3860151.99	0.0132532	5.01E-06	1.97E-06	7.34E-03	2.77E-06	1.09E-06	1.38E-03	5.20E-07	1.32E-08	1.40E-03	5.31E-07	1.34E-08	1.97E-06	1.09E-06
2393	495411.06, 3860151.99	0.0131741	4.98E-06	1.96E-06	7.29E-03	2.76E-06	1.08E-06	1.36E-03	5.15E-07	1.30E-08	1.39E-03	5.26E-07	1.33E-08	1.96E-06	1.08E-06
2394	495461.06, 3860151.99	0.0130822	4.95E-06	1.94E-06	7.24E-03	2.74E-06	1.08E-06	1.35E-03	5.11E-07	1.29E-08	1.38E-03	5.21E-07	1.32E-08	1.94E-06	1.08E-06
2395	495511.06, 3860151.99	0.0130001	4.92E-06	1.93E-06	7.19E-03	2.72E-06	1.07E-06	1.33E-03	5.05E-07	1.28E-08	1.36E-03	5.15E-07	1.30E-08	1.93E-06	1.07E-06
2396	495561.06, 3860151.99	0.0129136	4.88E-06	1.92E-06	7.14E-03	2.70E-06	1.06E-06	1.33E-03	5.01E-07	1.27E-08	1.35E-03	5.12E-07	1.29E-08	1.92E-06	1.06E-06
2397	495611.06, 3860151.99	0.0128348	4.85E-06	1.91E-06	7.09E-03	2.68E-06	1.05E-06	1.31E-03	4.96E-07	1.25E-08	1.34E-03	5.06E-07	1.28E-08	1.91E-06	1.05E-06
2398	495661.06, 3860151.99	0.0127543	4.82E-06	1.89E-06	7.04E-03	2.66E-06	1.05E-06	1.30E-03	4.90E-07	1.24E-08	1.32E-03	5.00E-07	1.26E-08	1.89E-06	1.05E-06
2399	495718.25, 3859442.96	0.0152095	5.75E-06	2.26E-06	7.99E-03	3.02E-06	1.19E-06	9.09E-04	3.44E-07	8.69E-09	9.39E-04	3.55E-07	8.98E-09	2.26E-06	1.19E-06
2400	495818.25, 3859442.96	0.0149365	5.65E-06	2.22E-06	7.85E-03	2.97E-06	1.17E-06	8.91E-04	3.37E-07	8.53E-09	9.22E-04	3.49E-07	8.82E-09	2.22E-06	1.17E-06
2401	495918.25, 3859442.96	0.0147007	5.56E-06	2.18E-06	7.72E-03	2.92E-06	1.15E-06	8.79E-04	3.32E-07	8.41E-09	9.09E-04	3.44E-07	8.70E-09	2.18E-06	1.15E-06
2402	496018.25, 3859442.96	0.0144829	5.48E-06	2.15E-06	7.61E-03	2.88E-06	1.13E-06	8.68E-04	3.28E-07	8.30E-09	8.98E-04	3.39E-07	8.59E-09	2.15E-06	1.13E-06
2403	496118.25, 3859442.96	0.0143256	5.42E-06	2.13E-06	7.53E-03	2.85E-06	1.12E-06	8.68E-04	3.28E-07	8.30E-09	8.98E-04	3.39E-07	8.59E-09	2.13E-06	1.12E-06
2404	496218.25, 3859442.96	0.0141647	5.36E-06	2.10E-06	7.45E-03	2.82E-06	1.11E-06	8.65E-04	3.27E-07	8.27E-09	8.96E-04	3.39E-07	8.57E-09	2.10E-06	1.11E-06
2405	496318.25, 3859442.96	0.0139678	5.28E-06	2.07E-06	7.35E-03	2.78E-06	1.09E-06	8.57E-04	3.24E-07	8.20E-09	8.86E-04	3.35E-07	8.48E-09	2.07E-06	1.09E-06
2406	496418.25, 3859442.96	0.0137673	5.21E-06	2.04E-06	7.25E-03	2.74E-06	1.08E-06	8.46E-04	3.20E-07	8.09E-09	8.77E-04	3.31E-07	8.38E-09	2.05E-06	1.08E-06
2407	495718.25, 3859542.96	0.0149779	5.66E-06	2.22E-06	7.90E-03	2.99E-06	1.17E-06	9.51E-04	3.60E-07	9.10E-09	9.81E-04	3.71E-07	9.38E-09	2.22E-06	1.17E-06
2408	495818.25, 3859542.96	0.0147396	5.57E-06	2.19E-06	7.78E-03	2.94E-06	1.16E-06	9.37E-04	3.54E-07	8.96E-09	9.66E-04	3.65E-07	9.24E-09	2.19E-06	1.16E-06
2409	495918.25, 3859542.96	0.0144988	5.48E-06	2.15E-06	7.65E-03	2.89E-06	1.14E-06	9.20E-04	3.48E-07	8.80E-09	9.50E-04	3.59E-07	9.09E-09	2.15E-06	1.14E-06
2410	496018.25, 3859542.96	0.0142778	5.40E-06	2.12E-06	7.53E-03	2.85E-06	1.12E-06	9.05E-04	3.42E-07	8.66E-09	9.37E-04	3.54E-07	8.96E-09	2.12E-06	1.12E-06
2411	496118.25, 3859542.96	0.0141085	5.33E-06	2.10E-06	7.45E-03	2.82E-06	1.11E-06	9.05E-04	3.42E-07	8.66E-09	9.35E-04	3.54E-07	8.95E-09	2.10E-06	1.11E-06
2412	496218.25, 3859542.96	0.0139324	5.27E-06	2.07E-06	7.36E-03	2.78E-06	1.09E-06	9.01E-04	3.41E-07	8.62E-09	9.30E-04	3.52E-07	8.90E-09	2.07E-06	1.09E-06
2413	496318.25, 3859542.96	0.0137544	5.20E-06	2.04E-06	7.27E-03	2.75E-06	1.08E-06	8.94E-04	3.38E-07	8.56E-09	9.24E-04	3.49E-07	8.84E-09	2.04E-06	1.08E-06
2414	496418.25, 3859542.96	0.0135661	5.13E-06	2.02E-06	7.17E-03	2.71E-06	1.07E-06	8.82E-04	3.33E-07	8.44E-09	9.11E-04	3.44E-07	8.71E-09	2.02E-06	1.07E-06
2415	495718.25, 3859642.96	0.0147142	5.56E-06	2.19E-06	7.80E-03	2.95E-06	1.16E-06	9.95E-04	3.76E-07	9.52E-09	1.02E-03	3.86E-07	9.77E-09	2.19E-06	1.16E-06
2416	495818.25, 3859642.96	0.0144714	5.47E-06	2.15E-06	7.67E-03	2.90E-06	1.14E-06	9.76E-04	3.69E-07	9.34E-09	1.01E-03	3.80E-07	9.62E-09	2.15E-06	1.14E-06
2417	495918.25, 3859642.96	0.0142398	5.38E-06	2.12E-06	7.55E-03	2.86E-06	1.12E-06	9.63E-04	3.64E-07	9.22E-09	9.92E-04	3.75E-07	9.49E-09	2.12E-06	1.12E-06
2418	496018.25, 3859642.96	0.0140318	5.31E-06	2.08E-06	7.44E-03	2.81E-06	1.11E-06	9.48E-04	3.58E-07	9.07E-09	9.78E-04	3.70E-07	9.35E-09	2.08E-06	1.11E-06
2419	496118.25, 3859642.96	0.0138929	5.25E-06	2.06E-06	7.38E-03	2.79E-06	1.10E-06	9.49E-04	3.59E-07	9.08E-09	9.78E-04	3.70E-07	9.35E-09	2.06E-06	1.10E-06
2420	496218.25, 3859642.96	0.0137203	5.19E-06	2.04E-06	7.29E-03	2.76E-06	1.08E-06	9.46E-04	3.58E-07	9.05E-09	9.74E-04	3.68E-07	9.32E-09	2.04E-06	1.08E-06
2421	496318.25, 3859642.96	0.013533	5.12E-06	2.01E-06	7.19E-03	2.72E-06	1.07E-06	9.34E-04	3.53E-07	8.93E-09	9.61E-04	3.63E-07	9.20E-09	2.01E-06	1.07E-06
2422	496418.25, 3859642.96	0.0132431	5.01E-06	1.97E-06	7.03E-03	2.66E-06	1.04E-06	8.99E-04	3.40E-07	8.60E-09	9.29E-04	3.51E-07	8.88E-09	1.97E-06	1.04E-06
2423	495718.25, 3859742.96	0.0143999	5.44E-06	2.14E-06	7.69E-03	2.91E-06	1.14E-06	1.05E-03	3.96E-07	1.00E-08	1.08E-03	4.07E-07	1.03E-08	2.14E-06	1.14E-06
2424	495818.25, 3859742.96	0.0141969	5.37E-06	2.11E-06	7.57E-03	2.86E-06	1.12E-06	1.03E-03	3.89E-07	9.83E-09	1.05E-03	3.99E-07	1.01E-08	2.11E-06	1.13E-06
2425	495918.25, 3859742.96	0.0139871	5.29E-06	2.08E-06	7.46E-03	2.82E-06	1.11E-06	1.01E-03	3.82E-07	9.66E-09	1.04E-03	3.93E-07	9.93E-09	2.08E-06	1.11E-06
2426	496018.25, 3859742.96	0.013778	5.21E-06	2.05E-06	7.35E-03	2.78E-06	1.09E-06	9.93E-04	3.75E-07	9.50E-09	1.02E-03	3.86E-07	9.76E-09	2.05E-06	1.09E-06
2427	496118.25, 3859742.96	0.0136215	5.15E-06	2.02E-06	7.27E-03	2.75E-06	1.08E-06	9.92E-04	3.75E-07	9.49E-09	1.02E-03	3.85E-07	9.74E-09	2.02E-06	1.08E-06
2428	496218.25, 3859742.96	0.0134451	5.08E-06	2.00E-06	7.19E-03	2.72E-06	1.07E-06	9.95E-04	3.76E-07	9.52E-09	1.02E-03	3.86E-07	9.77E-09	2.00E-06	1.07E-06
2429	496318.25, 3859742.96	0.0132249	5.00E-06	1.96E-06	7.06E-03	2.67E-06	1.05E-06	9.60E-04	3.63E-07	9.19E-09	9.89E-04	3.74E-07	9.46E-09	1.96E-06	1.05E-06
2430	496418.25, 3859742.96	0.013008	4.92E-06	1.93E-06	6.93E-03	2.62E-06	1.03E-06	9.27E-04	3.51E-07	8.87E-09	9.57E-04	3.62E-07	9.15E-09	1.93E-06	1.03E-06
2431	495718.25, 3859842.96	0.0139913	5.29E-06	2.08E-06	7.52E-03	2.84E-06	1.12E-06	1.10E-03	4.16E-07	1.05E-08	1.13E-03	4.26E-07	1.08E-08	2.08E-06	1.12E-06
2432	495818.25, 3859842.96	0.0137929	5.21E-06	2.05E-06	7.41E-03	2.80E-06	1.10E-06	1.08E-03	4.09E-07	1.04E-08	1.11E-03	4.19E-07	1.06E-08	2.05E-06	1.10E-06
2433	495918.25, 3859842.96	0.0136089	5.15E-06	2.02E-06	7.31E-03	2.76E-06	1.09E-06	1.06E-03	4.02E-07	1.02E-08	1.09E-03	4.12E-07	1.04E-08	2.02E-06	1.09E-06
2434	496018.25, 3859842.96	0.0134352	5.08E-06	2.00E-06	7.22E-03	2.73E-06	1.07E-06	1.05E-03	3.97E-07	1.01E-08	1.08E-03	4.07E-07	1.03E-08	2.00E-06	1.07E-06
2435	496118.25, 3859842.96	0.0132432	5.01E-06	1.97E-06	7.13E-03	2.69E-06	1.06E-06	1.05E-03	3.98E-07	1.01E-08	1.08E-03	4.08E-07	1.03E-08	1.97E-06	1.06E-06
2436	496218.25, 3859842.96	0.0130821	4.95E-06	1.94E-06	7.03E-03	2.66E-06	1.04E-06	1.02E-03	3.86E-07	9.77E-09	1.05E-03	3.96E-07	1.00E-08	1.94E-06	1.04E-06
2437	496318.25, 3859842.96	0.0128512	4.86E-06	1.91E-06	6.88E-03	2.60E-06	1.02E-06	9.62E-04	3.64E-07	9.20E-09	9.91E-04	3.75E-07	9.48E-09	1.91E-06	1.02E-06
2438	496418.25, 3859842.96	0.0125625	4.75E-06	1.87E-06	6.71E-03	2.54E-06	9.97E-07	9.27E-04	3.51E-07	8.87E-09	9.58E-04	3.62E-07	9.17E-09	1.87E-06	9.97E-07
2439	495718.25, 3859942.96	0.0135701	5.13E-06	2.02E-06	7.35E-03	2.78E-06	1.09E-06	1.15E-03	4.37E-07	1.10E-08	1.18E-03	4.46E-07	1.13E-08	2.02E-06	1.09E-06
2440	495818.25, 3859942.96	0.0133946	5.06E-06	1.99E-06	7.25E-03	2.74E-06	1.08E-06	1.13E-03	4.28E-07	1.08E-08	1.16E-03	4.38E-07	1.11E-08	1.99E-06	1.08E-06

2441	495918.25, 3859942.96	0.0132177	5.00E-06	1.96E-06	7.16E-03	2.71E-06	1.06E-06	1.12E-03	4.23E-07	1.07E-08	1.14E-03	4.32E-07	1.09E-08	1.96E-06	1.06E-06
2442	496018.25, 3859942.96	0.0130312	4.93E-06	1.94E-06	7.06E-03	2.67E-06	1.05E-06	1.12E-03	4.22E-07	1.07E-08	1.14E-03	4.31E-07	1.09E-08	1.94E-06	1.05E-06
2443	496118.25, 3859942.96	0.0128871	4.87E-06	1.91E-06	6.97E-03	2.64E-06	1.04E-06	1.09E-03	4.10E-07	1.04E-08	1.11E-03	4.20E-07	1.06E-08	1.91E-06	1.04E-06
2444	496218.25, 3859942.96	0.0127339	4.81E-06	1.89E-06	6.87E-03	2.60E-06	1.02E-06	1.04E-03	3.93E-07	9.95E-09	1.07E-03	4.04E-07	1.02E-08	1.89E-06	1.02E-06
2445	496318.25, 3859942.96	0.0125443	4.74E-06	1.86E-06	6.75E-03	2.55E-06	1.00E-06	9.98E-04	3.77E-07	9.55E-09	1.03E-03	3.88E-07	9.81E-09	1.86E-06	1.00E-06
2446	496418.25, 3859942.96	0.0122463	4.63E-06	1.82E-06	6.57E-03	2.48E-06	9.76E-07	9.48E-04	3.58E-07	9.07E-09	9.78E-04	3.70E-07	9.35E-09	1.82E-06	9.77E-07
2447	496856.82, 3858864.83	0.0130447	4.93E-06	1.94E-06	6.78E-03	2.56E-06	1.01E-06	6.67E-04	2.52E-07	6.38E-09	6.95E-04	2.63E-07	6.65E-09	1.94E-06	1.01E-06
2448	496956.82, 3858864.83	0.0128548	4.86E-06	1.91E-06	6.68E-03	2.53E-06	9.93E-07	6.61E-04	2.50E-07	6.32E-09	6.89E-04	2.60E-07	6.59E-09	1.91E-06	9.93E-07
2449	497056.82, 3858864.83	0.0126539	4.78E-06	1.88E-06	6.58E-03	2.49E-06	9.78E-07	6.55E-04	2.48E-07	6.26E-09	6.82E-04	2.58E-07	6.53E-09	1.88E-06	9.78E-07
2450	497156.82, 3858864.83	0.0124409	4.70E-06	1.85E-06	6.47E-03	2.45E-06	9.62E-07	6.49E-04	2.45E-07	6.20E-09	6.76E-04	2.55E-07	6.46E-09	1.85E-06	9.62E-07
2451	497256.82, 3858864.83	0.0123174	4.66E-06	1.83E-06	6.41E-03	2.42E-06	9.52E-07	6.45E-04	2.44E-07	6.17E-09	6.73E-04	2.54E-07	6.43E-09	1.83E-06	9.53E-07
2452	496856.82, 3858964.83	0.0131691	4.98E-06	1.96E-06	6.85E-03	2.59E-06	1.02E-06	6.88E-04	2.60E-07	6.58E-09	7.17E-04	2.71E-07	6.85E-09	1.96E-06	1.02E-06
2453	496956.82, 3858964.83	0.012921	4.89E-06	1.92E-06	6.73E-03	2.54E-06	9.99E-07	6.78E-04	2.56E-07	6.49E-09	7.08E-04	2.68E-07	6.78E-09	1.92E-06	9.99E-07
2454	497056.82, 3858964.83	0.0127213	4.81E-06	1.89E-06	6.63E-03	2.51E-06	9.84E-07	6.72E-04	2.54E-07	6.43E-09	7.00E-04	2.65E-07	6.70E-09	1.89E-06	9.84E-07
2455	497156.82, 3858964.83	0.0125094	4.73E-06	1.86E-06	6.52E-03	2.46E-06	9.68E-07	6.66E-04	2.52E-07	6.37E-09	6.94E-04	2.62E-07	6.64E-09	1.86E-06	9.69E-07
2456	497256.82, 3858964.83	0.0124773	4.72E-06	1.85E-06	6.50E-03	2.46E-06	9.66E-07	6.67E-04	2.52E-07	6.38E-09	6.95E-04	2.63E-07	6.65E-09	1.85E-06	9.66E-07
2457	496856.82, 3859064.83	0.0131454	4.97E-06	1.95E-06	6.85E-03	2.59E-06	1.02E-06	7.03E-04	2.66E-07	6.73E-09	7.35E-04	2.78E-07	7.03E-09	1.95E-06	1.02E-06
2458	496956.82, 3859064.83	0.01293	4.89E-06	1.92E-06	6.74E-03	2.55E-06	1.00E-06	6.96E-04	2.63E-07	6.65E-09	7.26E-04	2.75E-07	6.95E-09	1.92E-06	1.00E-06
2459	497056.82, 3859064.83	0.0127465	4.82E-06	1.89E-06	6.65E-03	2.51E-06	9.88E-07	6.89E-04	2.61E-07	6.59E-09	7.20E-04	2.72E-07	6.89E-09	1.89E-06	9.88E-07
2460	497156.82, 3859064.83	0.0125663	4.75E-06	1.87E-06	6.56E-03	2.48E-06	9.74E-07	6.85E-04	2.59E-07	6.55E-09	7.13E-04	2.70E-07	6.82E-09	1.87E-06	9.74E-07
2461	497256.82, 3859064.83	0.0125685	4.75E-06	1.87E-06	6.56E-03	2.48E-06	9.75E-07	6.89E-04	2.61E-07	6.59E-09	7.18E-04	2.72E-07	6.87E-09	1.87E-06	9.75E-07
2462	496856.82, 3859164.83	0.013037	4.93E-06	1.94E-06	6.81E-03	2.57E-06	1.01E-06	7.17E-04	2.71E-07	6.86E-09	7.48E-04	2.83E-07	7.15E-09	1.94E-06	1.01E-06
2463	496956.82, 3859164.83	0.0128101	4.84E-06	1.90E-06	6.69E-03	2.53E-06	9.94E-07	7.10E-04	2.68E-07	6.79E-09	7.39E-04	2.80E-07	7.07E-09	1.90E-06	9.94E-07
2464	497056.82, 3859164.83	0.0126727	4.79E-06	1.88E-06	6.62E-03	2.50E-06	9.84E-07	7.05E-04	2.67E-07	6.74E-09	7.35E-04	2.78E-07	7.03E-09	1.88E-06	9.84E-07
2465	497156.82, 3859164.83	0.0125992	4.76E-06	1.87E-06	6.59E-03	2.49E-06	9.78E-07	7.05E-04	2.67E-07	6.74E-09	7.36E-04	2.78E-07	7.04E-09	1.87E-06	9.79E-07
2466	497256.82, 3859164.83	0.012607	4.77E-06	1.87E-06	6.60E-03	2.49E-06	9.80E-07	7.13E-04	2.69E-07	6.82E-09	7.43E-04	2.81E-07	7.10E-09	1.87E-06	9.80E-07
2467	496856.82, 3859264.83	0.0128595	4.86E-06	1.91E-06	6.73E-03	2.55E-06	1.00E-06	7.32E-04	2.77E-07	7.00E-09	7.61E-04	2.88E-07	7.28E-09	1.91E-06	1.00E-06
2468	496956.82, 3859264.83	0.0127393	4.82E-06	1.89E-06	6.67E-03	2.52E-06	9.91E-07	7.28E-04	2.75E-07	6.97E-09	7.57E-04	2.86E-07	7.24E-09	1.89E-06	9.91E-07
2469	497056.82, 3859264.83	0.0126529	4.78E-06	1.88E-06	6.63E-03	2.51E-06	9.85E-07	7.28E-04	2.75E-07	6.97E-09	7.59E-04	2.87E-07	7.26E-09	1.88E-06	9.85E-07
2470	497156.82, 3859264.83	0.0125669	4.75E-06	1.87E-06	6.59E-03	2.49E-06	9.78E-07	7.28E-04	2.75E-07	6.97E-09	7.59E-04	2.87E-07	7.26E-09	1.87E-06	9.79E-07
2471	497256.82, 3859264.83	0.0125323	4.74E-06	1.86E-06	6.57E-03	2.49E-06	9.76E-07	7.35E-04	2.78E-07	7.03E-09	7.64E-04	2.89E-07	7.31E-09	1.86E-06	9.77E-07
2472	497088.92, 3858620.93	0.0121273	4.59E-06	1.80E-06	6.30E-03	2.38E-06	9.35E-07	6.08E-04	2.30E-07	5.81E-09	6.33E-04	2.39E-07	6.06E-09	1.80E-06	9.35E-07
2473	497138.92, 3858620.93	0.012077	4.57E-06	1.79E-06	6.27E-03	2.37E-06	9.31E-07	6.06E-04	2.29E-07	5.80E-09	6.33E-04	2.39E-07	6.06E-09	1.79E-06	9.32E-07
2474	497188.92, 3858620.93	0.011972	4.53E-06	1.78E-06	6.22E-03	2.35E-06	9.24E-07	6.05E-04	2.29E-07	5.78E-09	6.30E-04	2.38E-07	6.03E-09	1.78E-06	9.24E-07
2475	497238.92, 3858620.93	0.0118948	4.50E-06	1.77E-06	6.18E-03	2.34E-06	9.18E-07	6.03E-04	2.28E-07	5.77E-09	6.28E-04	2.38E-07	6.01E-09	1.77E-06	9.18E-07
2476	497088.92, 3858670.93	0.012115	4.58E-06	1.80E-06	6.29E-03	2.38E-06	9.35E-07	6.14E-04	2.32E-07	5.87E-09	6.40E-04	2.42E-07	6.12E-09	1.80E-06	9.35E-07
2477	497138.92, 3858670.93	0.012109	4.58E-06	1.80E-06	6.29E-03	2.38E-06	9.34E-07	6.14E-04	2.32E-07	5.87E-09	6.40E-04	2.42E-07	6.12E-09	1.80E-06	9.35E-07
2478	497188.92, 3858670.93	0.012002	4.54E-06	1.78E-06	6.24E-03	2.36E-06	9.26E-07	6.11E-04	2.31E-07	5.84E-09	6.38E-04	2.41E-07	6.10E-09	1.78E-06	9.27E-07
2479	497238.92, 3858670.93	0.0119688	4.53E-06	1.78E-06	6.22E-03	2.35E-06	9.24E-07	6.11E-04	2.31E-07	5.84E-09	6.37E-04	2.41E-07	6.09E-09	1.78E-06	9.24E-07
2480	497088.92, 3858720.93	0.0123327	4.66E-06	1.83E-06	6.41E-03	2.42E-06	9.52E-07	6.25E-04	2.36E-07	5.98E-09	6.51E-04	2.46E-07	6.23E-09	1.83E-06	9.52E-07
2481	497138.92, 3858720.93	0.0120651	4.56E-06	1.79E-06	6.27E-03	2.37E-06	9.31E-07	6.17E-04	2.33E-07	5.90E-09	6.43E-04	2.43E-07	6.15E-09	1.79E-06	9.32E-07
2482	497188.92, 3858720.93	0.0119885	4.53E-06	1.78E-06	6.23E-03	2.36E-06	9.26E-07	6.16E-04	2.33E-07	5.89E-09	6.41E-04	2.43E-07	6.14E-09	1.78E-06	9.26E-07
2483	497238.92, 3858720.93	0.0121003	4.57E-06	1.80E-06	6.29E-03	2.38E-06	9.34E-07	6.19E-04	2.34E-07	5.92E-09	6.45E-04	2.44E-07	6.17E-09	1.80E-06	9.34E-07
2484	497088.92, 3858770.93	0.0123775	4.68E-06	1.84E-06	6.43E-03	2.43E-06	9.55E-07	6.31E-04	2.39E-07	6.04E-09	6.59E-04	2.49E-07	6.31E-09	1.84E-06	9.56E-07
2485	497138.92, 3858770.93	0.0122568	4.63E-06	1.82E-06	6.37E-03	2.41E-06	9.46E-07	6.28E-04	2.38E-07	6.01E-09	6.55E-04	2.47E-07	6.26E-09	1.82E-06	9.47E-07
2486	497188.92, 3858770.93	0.0121914	4.61E-06	1.81E-06	6.34E-03	2.40E-06	9.41E-07	6.25E-04	2.36E-07	5.98E-09	6.51E-04	2.46E-07	6.23E-09	1.81E-06	9.42E-07
2487	497238.92, 3858770.93	0.0122305	4.62E-06	1.82E-06	6.36E-03	2.40E-06	9.44E-07	6.27E-04	2.37E-07	5.99E-09	6.55E-04	2.47E-07	6.26E-09	1.82E-06	9.45E-07
2488	497396.65, 3858622.63	0.0121434	4.59E-06	1.80E-06	6.31E-03	2.38E-06	9.37E-07	6.13E-04	2.32E-07	5.86E-09	6.40E-04	2.42E-07	6.12E-09	1.80E-06	9.37E-07
2489	497496.65, 3858622.63	0.0122263	4.62E-06	1.82E-06	6.35E-03	2.40E-06	9.43E-07	6.17E-04	2.33E-07	5.90E-09	6.46E-04	2.44E-07	6.18E-09	1.82E-06	9.43E-07
2490	497596.65, 3858622.63	0.0124318	4.70E-06	1.85E-06	6.46E-03	2.44E-06	9.59E-07	6.30E-04	2.38E-07	6.02E-09	6.59E-04	2.49E-07	6.31E-09	1.85E-06	9.59E-07
2491	497696.65, 3858622.63	0.0124035	4.69E-06	1.84E-06	6.45E-03	2.44E-06	9.57E-07	6.33E-04	2.39E-07	6.05E-09	6.63E-04	2.51E-07	6.34E-09	1.84E-06	9.58E-07
2492	497796.65, 3858622.63	0.0124635	4.71E-06	1.85E-06	6.48E-03	2.45E-06	9.62E-07	6.39E-04	2.42E-07	6.11E-09	6.71E-04	2.54E-07	6.42E-09	1.85E-06	9.63E-07
2493	497896.65, 3858622.63	0.012499	4.73E-06	1.86E-06	6.50E-03	2.46E-06	9.66E-07	6.47E-04	2.45E-07	6.19E-09	6.79E-04	2.57E-07	6.50E-09	1.86E-06	9.66E-07
2494	497396.65, 3858722.63	0.0123141	4.66E-06	1.83E-06	6.40E-03	2.42E-06	9.51E-07	6.31E-04	2.39E-07	6.04E-09	6.59E-04	2.49E-07	6.31E-09	1.83E-06	9.51E-07
2495	497496.65, 3858722.63	0.0123841	4.68E-06	1.84E-06	6.44E-03	2.43E-06	9.56E-07	6.36E-04	2.40E-07	6.08E-09	6.66E-04	2.52E-07	6.37E-09	1.84E-06	9.57E-07
2496	497596.65, 3858722.63	0.0125198	4.73E-06	1.86E-06	6.51E-03	2.46E-06	9.67E-07	6.47E-04	2.45E-07	6.19E-09	6.76E-04	2.55E-07	6.46E-09	1.86E-06	9.67E-07
2497	497696.65, 3858722.63	0.0125499	4.74E-06	1.86E-06	6.53E-03	2.47E-06	9.70E-07	6.52E-04	2.46E-07	6.23E-09	6.82E-04	2.58E-07	6.53E-09	1.86E-06	9.70E-07
2498	497796.65, 3858722.63	0.0125085	4.73E-06	1.86E-06	6.51E-03	2.46E-06	9.67E-07	6.55E-04	2.48E-07	6.26E-09	6.86E-04	2.59E-07	6.56E-09	1.86E-06	9.67E-07
2499	497896.65, 3858722.63	0.0124863	4.72E-06	1.85E-06	6.50E-03	2.46E-06	9.66E-07	6.61E-04	2.50E-07	6.32E-09	6.92E-04	2.62E-07	6.62E-09	1.85E-06	9.66E-07
2500	497396.65, 3858822.63	0.0123837	4.68E-06	1.84E-06	6.45E-03	2.44E-06	9.57E-07	6.47E-04	2.45E-07	6.19E-09	6.74E-04	2.55E-07	6.45E-09	1.84E-06	9.58E-07
2501	497496.65, 3858822.63	0.0124106	4.69E-06	1.84E-06	6.46E-03	2.44E-06	9.60E-07	6.50E-04	2.46E-07	6.22E-09	6.79E-04	2.57E-07	6.50E-09	1.84E-06	9.60E-07
2502	497596.65, 3858822.63	0.0125746	4.75E-06	1.87E-06	6.55E-03	2.48E-06	9.72E-07	6.61E-04	2.50E-07	6.32E-09	6.92E-04	2.62E-07	6.62E-09	1.87E-06	9.73E-07
2503	497696.65, 3858822.63	0.012538	4.74E-06	1.86E-06	6.53E-03	2.47E-06	9.70E-07	6.67E-04	2.52E-07	6.38E-09	6.97E-04	2.64E-07	6.67E-09	1.86E-06	9.71E-07
2504	497796.65, 3858822.63	0.0124951	4.72E-06	1.86E-06	6.51E-03	2.46E-06	9.67E-07	6.69E-04	2.53E-07	6.40E-09	7.00E-04	2.65E-07	6.70E-09	1.86E-06	9.68E-07
2505	497896.65, 3858822.63	0.0125079	4.73E-06	1.86E-06	6.53E-03	2.47E-06	9.69E-07	6.80E-04	2.57E-07	6.50E-09	7.10E-04	2.68E-07	6.79E-09	1.86E-06	9.70E-07
2506	497396.65, 3858922.63	0.012439	4.70E-06	1.85E-06	6.48E-03	2.45E-06	9.63E-07	6.63E-04	2.51E-07	6.34E-09	6.92E-04	2.62E-07	6.62E-09	1.85E-06	9.63E-07
2507	497496.65, 3858922.63	0.0125476	4.74E-06	1.86E-06	6.54E-03	2.47E-06	9.72E-07	6.74E-04	2.55E-07	6.44E-09	7.02E-04	2.65E-07	6.71E-09	1.86E-06	9.72E-07
2508	497596.65, 3858922.63	0.0124438	4.70E-06	1.85E-06	6.49E-03	2.45E-06	9.64E-07	6.72E-04	2.54E-07	6.43E-09	7.02E-04	2.65E-07	6.71E-09	1.85E-06	9.64E-07
2509	497696.65, 3858922.63	0.0125402	4.74E-06	1.86E-06	6.54E-03	2.47E-06	9.72E-07	6.83E-04	2.58E-07	6.53E-09	7.13E-04	2.70E-07	6.82E-09	1.86E-06	9.72E-07
2510	497796.65, 3858922.63	0.0125096	4.73E-06	1.86E-06	6.54E-03	2.47E-06	9.71E-07	6.92E-04	2.62E-07	6.62E-09	7.21E-04	2.73E-07	6.90E-09	1.86E-06	9.71E-07
2511	497896.65, 3858922.63	0.0125241	4.74E-06	1.86E-06	6.55E-03	2.48E-06	9.73E-07	7.03E-04	2.66E-07	6.73E-09	7.33E-04	2.77E-07	7.01E-09	1.86E-06	9.73E-07
2512	497364.44, 3858201.52	0.0116827	4.42E-06	1.74E-06	6.05E-03	2.29E-06	8.99E-07	5.66E-04	2.14E-07	5.41E-09	5.89E-04	2.23E-07	5.64E-09	1.74E-06	8.99E-07
2513	497414.44, 3858201.52	0.0117418	4.44E-06	1.74E-06	6.08E-03	2.30E-06	9.03E-07	5.67E-04	2.14E-07	5.42E-09	5.91E-04	2.23E-07	5.65E-09	1.74E-06	9.04E-07
2514	497464.44, 3858201.52	0.0117915	4.46E-06	1.75E-06	6.11E-03	2.31E-06	9.07E-07	5.70E-04	2.16E-07	5.45E-09	5.94E-04	2.25E-07	5.68E-09	1.75E-06	9.07E-07
2515	497514.44, 3858201.52	0.0117724	4.45E-06	1.75E-06	6.10E-03	2.31E-06	9.06E-07	5.72E-04	2.16E-07	5.47E-09	5.96E-04	2.25E-07	5.70E-09	1.75E-06	9.06E-07
2516	497564.44, 3858201.52	0.0117214	4.43E-06	1.74E-06	6.07E-03	2.30E-06	9.02E-07	5.70E-04	2.16E-07	5.45E-09	5.94E-04	2.25E-07	5.68E-09	1.74E-06	9.02E-07
2517	497614.44, 3858201.52	0.0117146	4.43E-06	1.74E-06	6.07E-03	2.30E-06	9.02E-07	5.70E-04	2.16E-07	5.45E-09	5.96E-04	2.25E-07	5.70E-09	1.74E-06	9.02E-07
2518	497364.44, 3858251.52	0.0118174	4.47E-06	1.76E-06	6.12E-03	2.31E-06	9.09E-07	5.73E-04	2.17E-07	5.48E-09	5.97E-04	2.26E-07	5.71E-09	1.76E-06	9.10E-07
2519	497414.44, 3858251.52	0.0118954	4.50E-06	1.77E-06	6.16E-03	2.33E-06	9.15E-07	5.76E-04	2.18E-07	5.51E-09	6.01E-04	2.27E-07	5.75E-09	1.77E-06	9.16E-07
2520	497464.44, 3858251.52	0.0118023	4.46E-06	1.75E-06	6.12E-03	2.31E-06	9.08E-07	5.75E-04	2.17E-07	5.50E-09	5.99E-04	2.26E-07	5.73E-09	1.75E-06	9.09E-07
2521	497514.44, 3858251.52	0.0116941	4.42E-06	1.74E-06	6.06E-03	2.29E-06	9.00E-07	5.72E-04	2.16E-07	5.47E-09	5.97E-04	2.26E-07	5.71E-09	1.74E-06	9.01E-07
2522	497564.44, 3858251.52	0.0116455	4.40E-06	1.73E-06	6.04E-03	2.28E-06	8.97E-07	5.72E-04	2.16E-07	5.47E-09	5.96E-04	2.25E-07	5.70E-09	1.73E-06	8.97E-07
2523	497614.44, 3858251.52	0.0115959	4.38E-06	1.72E-06	6.01E-03	2.27E-06	8.93E-07	5.70E-04	2.16E-07	5.45E-09	5.96E-04	2.25E-07	5.70E-09	1.72E-06	8.93E-07
2524	497364.44, 3858301.52	0.0118538	4.48E-06	1.76E-06	6.14E-03	2.32E-06	9.12E-07	5.78E-04	2.19E-07	5.53E-09	6.02E-04	2.28E-07	5.76E-09	1.76E-06	9.13E-07
2525	497414.44, 3858301.52	0.0118897	4.50E-06	1.77E-06	6.16E-03	2.33E-06	9.15E-07	5.80E-04	2.19E-07	5.54E-09	6.06E-04	2.29E-07	5.79E-09	1.77E-06	9.15E-07
2526	497464.44, 3858301.52	0.0117679	4.45E-06	1.75E-06	6.10E-03	2.31E-06	9.06E-07	5.76E-04	2.18E-07	5.51E-09	6.02E-04	2.28E-07	5.76E-09	1.75E-06	9.06E-07
2527	497514.44, 3858301.52	0.0116899	4.42E-06	1.74E-06	6.06E-03	2.29E-06	9.00E-07	5.75E-04	2.17E-07	5.50E-09	6.01E-04	2.27E-07	5.75E-09	1.74E-06	9.01E-07
2528	497564.44, 3858301.52	0.0115846	4.38E-06	1.72E-06	6.01E-03	2.27E-06	8.93E-07	5.73E-04	2.17E-07	5.48E-09	5.97E-04	2.26E-07	5.71E-09	1.72E-06	8.93E-07
2529	497614.44, 3858301.52	0.0115218	4.36E-06	1.71E-06	5.98E-03	2.26E-06	8.88E-07	5.72E-04	2.16E-07	5.47E-09	5.96E-04	2.25E-07	5.70E-09	1.71E-06	8.88E-07
2530	497364.44, 3858351.52	0.0118924	4.50E-06	1.77E-06	6.16E-03	2.33E-06	9.16E-07	5.83E-04	2.20E-07	5.57E-09	6.09E-04	2.30E-07	5.82E-09	1.77E-06	9.16E-07
2531	497414.44, 3858351.52	0.0118143	4.47E-06	1.75E-06	6.13E-03	2.32E-06	9.10E-07	5.81E-04	2.20E-07	5.56E-09	6.07E-04	2.30E-07	5.81E-09	1.76E-06	9.10E-07
2532	497464.44, 3858351.52	0.0117662	4.45E-06	1.75E-06	6.10E-03	2.31E-06	9.06E-07	5.81E-04	2.20E-07	5.56E-09	6.06E-04	2.29E-07	5.79E-09	1.75E-06	9.07E-07
2533	497514.44, 3858351.52	0.0117028	4.42E-06	1.74E-06	6.07E-03	2.30E-06	9.02E-07	5.80E-04	2.19E-07	5.54E-09	6.04E-04	2.28E-07	5.78E-09	1.74E-06	9.02E-07
2534	497564.44, 3858351.52	0.0115685	4.37E-06	1.72E-06	6.00E-03	2.27E-06	8.92E-07	5.76E-04	2.18E-07	5.51E-09	6.01E-04	2.27E-07	5.75E-09	1.72E-06	8.92E-07

2535	497614.44, 3858351.52	0.0115196	4.36E-06	1.71E-06	5.98E-03	2.26E-06	8.88E-07	5.75E-04	2.17E-07	5.50E-09	5.99E-04	2.26E-07	5.73E-09	1.71E-06	8.88E-07
2536	497364.44, 3858401.52	0.0118437	4.48E-06	1.76E-06	6.14E-03	2.32E-06	9.12E-07	5.84E-04	2.21E-07	5.59E-09	6.09E-04	2.30E-07	5.82E-09	1.76E-06	9.13E-07
2537	497414.44, 3858401.52	0.0117831	4.45E-06	1.75E-06	6.11E-03	2.31E-06	9.08E-07	5.84E-04	2.21E-07	5.59E-09	6.09E-04	2.30E-07	5.82E-09	1.75E-06	9.08E-07
2538	497464.44, 3858401.52	0.0117058	4.43E-06	1.74E-06	6.07E-03	2.30E-06	9.02E-07	5.83E-04	2.20E-07	5.57E-09	6.07E-04	2.30E-07	5.81E-09	1.74E-06	9.02E-07
2539	497514.44, 3858401.52	0.0116429	4.40E-06	1.73E-06	6.04E-03	2.28E-06	8.97E-07	5.81E-04	2.20E-07	5.56E-09	6.06E-04	2.29E-07	5.79E-09	1.73E-06	8.98E-07
2540	497564.44, 3858401.52	0.0116975	4.42E-06	1.74E-06	6.07E-03	2.30E-06	9.02E-07	5.84E-04	2.21E-07	5.59E-09	6.09E-04	2.30E-07	5.82E-09	1.74E-06	9.02E-07
2541	497614.44, 3858401.52	0.0117614	4.45E-06	1.75E-06	6.10E-03	2.31E-06	9.06E-07	5.84E-04	2.21E-07	5.59E-09	6.12E-04	2.31E-07	5.86E-09	1.75E-06	9.07E-07
2542	493478.11, 3860497.94	0.0158329	5.99E-06	2.35E-06	9.55E-03	3.61E-06	1.42E-06	2.85E-03	1.08E-06	2.73E-08	2.96E-03	1.12E-06	2.84E-08	2.35E-06	1.42E-06
2543	493528.11, 3860497.94	0.0156378	5.91E-06	2.32E-06	9.42E-03	3.56E-06	1.40E-06	2.80E-03	1.06E-06	2.68E-08	2.91E-03	1.10E-06	2.78E-08	2.32E-06	1.40E-06
2544	493478.11, 3860547.94	0.0154923	5.86E-06	2.30E-06	9.46E-03	3.58E-06	1.40E-06	2.97E-03	1.12E-06	2.84E-08	3.09E-03	1.17E-06	2.95E-08	2.30E-06	1.41E-06
2545	493528.11, 3860547.94	0.015314	5.79E-06	2.27E-06	9.34E-03	3.53E-06	1.39E-06	2.92E-03	1.10E-06	2.79E-08	3.03E-03	1.15E-06	2.90E-08	2.28E-06	1.39E-06
2546	493478.11, 3860597.94	0.0151874	5.74E-06	2.26E-06	9.39E-03	3.55E-06	1.39E-06	3.10E-03	1.17E-06	2.96E-08	3.22E-03	1.22E-06	3.08E-08	2.26E-06	1.40E-06
2547	493528.11, 3860597.94	0.0150162	5.68E-06	2.23E-06	9.27E-03	3.51E-06	1.38E-06	3.04E-03	1.15E-06	2.91E-08	3.16E-03	1.19E-06	3.02E-08	2.23E-06	1.38E-06
2548	493561.88, 3860524.64	0.0153355	5.80E-06	2.28E-06	9.29E-03	3.51E-06	1.38E-06	2.82E-03	1.07E-06	2.70E-08	2.93E-03	1.11E-06	2.81E-08	2.28E-06	1.38E-06
2549	493591.88, 3860524.64	0.0152433	5.76E-06	2.26E-06	9.22E-03	3.48E-06	1.37E-06	2.79E-03	1.05E-06	2.66E-08	2.89E-03	1.09E-06	2.77E-08	2.27E-06	1.37E-06
2550	493561.88, 3860554.64	0.0151536	5.73E-06	2.25E-06	9.25E-03	3.50E-06	1.37E-06	2.90E-03	1.10E-06	2.77E-08	3.01E-03	1.14E-06	2.88E-08	2.25E-06	1.37E-06
2551	493591.88, 3860554.64	0.0150521	5.69E-06	2.24E-06	9.17E-03	3.47E-06	1.36E-06	2.85E-03	1.08E-06	2.73E-08	2.96E-03	1.12E-06	2.83E-08	2.24E-06	1.36E-06
2552	492880.5, 3860293.11	0.0231248	8.74E-06	3.43E-06	1.34E-02	5.07E-06	1.99E-06	3.36E-03	1.27E-06	3.21E-08	3.50E-03	1.32E-06	3.35E-08	3.44E-06	1.99E-06
2553	492930.5, 3860293.11	0.0224933	8.50E-06	3.34E-06	1.30E-02	4.93E-06	1.94E-06	3.24E-03	1.23E-06	3.10E-08	3.38E-03	1.28E-06	3.23E-08	3.34E-06	1.94E-06
2554	492980.5, 3860293.11	0.022008	8.32E-06	3.27E-06	1.27E-02	4.81E-06	1.89E-06	3.13E-03	1.18E-06	2.99E-08	3.25E-03	1.23E-06	3.11E-08	3.27E-06	1.89E-06
2555	493030.5, 3860293.11	0.0215094	8.13E-06	3.19E-06	1.24E-02	4.68E-06	1.84E-06	2.94E-03	1.11E-06	2.81E-08	3.06E-03	1.16E-06	2.93E-08	3.20E-06	1.84E-06
2556	493080.5, 3860293.11	0.0211445	7.99E-06	3.14E-06	1.21E-02	4.56E-06	1.79E-06	2.76E-03	1.04E-06	2.64E-08	2.87E-03	1.08E-06	2.74E-08	3.14E-06	1.79E-06
2557	493130.5, 3860293.11	0.0208263	7.87E-06	3.09E-06	1.19E-02	4.51E-06	1.77E-06	2.78E-03	1.05E-06	2.66E-08	2.88E-03	1.09E-06	2.76E-08	3.09E-06	1.77E-06
2558	493180.5, 3860293.11	0.0204562	7.73E-06	3.04E-06	1.17E-02	4.44E-06	1.74E-06	2.77E-03	1.05E-06	2.65E-08	2.88E-03	1.09E-06	2.75E-08	3.04E-06	1.75E-06
2559	493230.5, 3860293.11	0.0201431	7.62E-06	2.99E-06	1.16E-02	4.37E-06	1.72E-06	2.72E-03	1.03E-06	2.60E-08	2.82E-03	1.07E-06	2.70E-08	2.99E-06	1.72E-06
2560	493280.5, 3860293.11	0.0199464	7.54E-06	2.96E-06	1.14E-02	4.31E-06	1.69E-06	2.62E-03	9.91E-07	2.51E-08	2.72E-03	1.03E-06	2.60E-08	2.96E-06	1.69E-06
2561	493330.5, 3860293.11	0.0196607	7.43E-06	2.92E-06	1.12E-02	4.24E-06	1.67E-06	2.55E-03	9.64E-07	2.44E-08	2.64E-03	9.99E-07	2.53E-08	2.92E-06	1.67E-06
2562	493380.5, 3860293.11	0.0193849	7.33E-06	2.88E-06	1.10E-02	4.18E-06	1.64E-06	2.49E-03	9.42E-07	2.38E-08	2.58E-03	9.76E-07	2.47E-08	2.88E-06	1.64E-06
2563	492880.5, 3860343.11	0.0218596	8.26E-06	3.25E-06	1.29E-02	4.88E-06	1.92E-06	3.51E-03	1.33E-06	3.36E-08	3.66E-03	1.38E-06	3.50E-08	3.25E-06	1.92E-06
2564	492930.5, 3860343.11	0.0209414	7.92E-06	3.11E-06	1.24E-02	4.68E-06	1.84E-06	3.40E-03	1.28E-06	3.25E-08	3.54E-03	1.34E-06	3.39E-08	3.11E-06	1.84E-06
2565	492980.5, 3860343.11	0.0203057	7.68E-06	3.02E-06	1.19E-02	4.52E-06	1.77E-06	3.19E-03	1.21E-06	3.06E-08	3.33E-03	1.26E-06	3.18E-08	3.02E-06	1.78E-06
2566	493030.5, 3860343.11	0.0198494	7.50E-06	2.95E-06	1.17E-02	4.41E-06	1.73E-06	3.09E-03	1.17E-06	2.96E-08	3.22E-03	1.22E-06	3.08E-08	2.95E-06	1.73E-06
2567	493080.5, 3860343.11	0.0194756	7.36E-06	2.89E-06	1.14E-02	4.30E-06	1.69E-06	2.92E-03	1.10E-06	2.79E-08	3.04E-03	1.15E-06	2.91E-08	2.89E-06	1.69E-06
2568	493130.5, 3860343.11	0.0191516	7.24E-06	2.84E-06	1.12E-02	4.23E-06	1.66E-06	2.88E-03	1.09E-06	2.75E-08	2.99E-03	1.13E-06	2.86E-08	2.85E-06	1.66E-06
2569	493180.5, 3860343.11	0.0188172	7.11E-06	2.79E-06	1.10E-02	4.16E-06	1.64E-06	2.87E-03	1.09E-06	2.75E-08	2.99E-03	1.13E-06	2.86E-08	2.80E-06	1.64E-06
2570	493230.5, 3860343.11	0.0185345	7.01E-06	2.75E-06	1.08E-02	4.10E-06	1.61E-06	2.82E-03	1.07E-06	2.70E-08	2.93E-03	1.11E-06	2.80E-08	2.75E-06	1.61E-06
2571	493280.5, 3860343.11	0.018298	6.92E-06	2.72E-06	1.07E-02	4.03E-06	1.58E-06	2.72E-03	1.03E-06	2.60E-08	2.82E-03	1.07E-06	2.70E-08	2.72E-06	1.58E-06
2572	493330.5, 3860343.11	0.018059	6.83E-06	2.68E-06	1.05E-02	3.97E-06	1.56E-06	2.63E-03	9.96E-07	2.52E-08	2.73E-03	1.03E-06	2.62E-08	2.68E-06	1.56E-06
2573	493380.5, 3860343.11	0.0178231	6.74E-06	2.65E-06	1.03E-02	3.91E-06	1.54E-06	2.58E-03	9.74E-07	2.46E-08	2.67E-03	1.01E-06	2.56E-08	2.65E-06	1.54E-06
2574	492880.5, 3860393.11	0.021071	7.97E-06	3.13E-06	1.26E-02	4.78E-06	1.88E-06	3.68E-03	1.39E-06	3.52E-08	3.84E-03	1.45E-06	3.68E-08	3.13E-06	1.88E-06
2575	492930.5, 3860393.11	0.0201761	7.63E-06	3.00E-06	1.21E-02	4.58E-06	1.80E-06	3.54E-03	1.34E-06	3.39E-08	3.70E-03	1.40E-06	3.53E-08	3.00E-06	1.80E-06
2576	492980.5, 3860393.11	0.0195787	7.40E-06	2.91E-06	1.17E-02	4.43E-06	1.74E-06	3.38E-03	1.28E-06	3.23E-08	3.52E-03	1.33E-06	3.37E-08	2.91E-06	1.74E-06
2577	493030.5, 3860393.11	0.0191275	7.23E-06	2.84E-06	1.14E-02	4.31E-06	1.69E-06	3.25E-03	1.23E-06	3.10E-08	3.38E-03	1.28E-06	3.24E-08	2.84E-06	1.70E-06
2578	493080.5, 3860393.11	0.0187632	7.09E-06	2.79E-06	1.11E-02	4.20E-06	1.65E-06	3.06E-03	1.16E-06	2.93E-08	3.19E-03	1.21E-06	3.05E-08	2.79E-06	1.65E-06
2579	493130.5, 3860393.11	0.0184409	6.97E-06	2.74E-06	1.09E-02	4.13E-06	1.62E-06	3.03E-03	1.14E-06	2.90E-08	3.15E-03	1.19E-06	3.01E-08	2.74E-06	1.62E-06
2580	493180.5, 3860393.11	0.0181361	6.86E-06	2.69E-06	1.08E-02	4.07E-06	1.60E-06	3.02E-03	1.14E-06	2.88E-08	3.14E-03	1.19E-06	3.00E-08	2.69E-06	1.60E-06
2581	493230.5, 3860393.11	0.017865	6.75E-06	2.65E-06	1.06E-02	4.00E-06	1.57E-06	2.94E-03	1.11E-06	2.81E-08	3.05E-03	1.15E-06	2.92E-08	2.65E-06	1.57E-06
2582	493280.5, 3860393.11	0.0176219	6.66E-06	2.62E-06	1.04E-02	3.93E-06	1.54E-06	2.82E-03	1.07E-06	2.70E-08	2.93E-03	1.11E-06	2.81E-08	2.62E-06	1.55E-06
2583	493330.5, 3860393.11	0.0173884	6.57E-06	2.58E-06	1.02E-02	3.87E-06	1.52E-06	2.73E-03	1.03E-06	2.61E-08	2.84E-03	1.07E-06	2.72E-08	2.58E-06	1.52E-06
2584	493380.5, 3860393.11	0.0171593	6.49E-06	2.55E-06	1.01E-02	3.81E-06	1.50E-06	2.67E-03	1.01E-06	2.55E-08	2.77E-03	1.05E-06	2.65E-08	2.55E-06	1.50E-06
2585	492880.5, 3860443.11	0.0197787	7.48E-06	2.94E-06	1.21E-02	4.58E-06	1.80E-06	3.85E-03	1.46E-06	3.68E-08	4.02E-03	1.52E-06	3.85E-08	2.94E-06	1.80E-06
2586	492930.5, 3860443.11	0.0193144	7.30E-06	2.87E-06	1.18E-02	4.46E-06	1.75E-06	3.73E-03	1.41E-06	3.57E-08	3.89E-03	1.47E-06	3.72E-08	2.87E-06	1.76E-06
2587	492980.5, 3860443.11	0.0188986	7.15E-06	2.81E-06	1.15E-02	4.35E-06	1.71E-06	3.57E-03	1.35E-06	3.42E-08	3.73E-03	1.41E-06	3.57E-08	2.81E-06	1.71E-06
2588	493030.5, 3860443.11	0.0185352	7.01E-06	2.75E-06	1.12E-02	4.25E-06	1.67E-06	3.43E-03	1.30E-06	3.28E-08	3.57E-03	1.35E-06	3.42E-08	2.75E-06	1.67E-06
2589	493080.5, 3860443.11	0.0182011	6.88E-06	2.70E-06	1.10E-02	4.16E-06	1.63E-06	3.32E-03	1.25E-06	3.17E-08	3.46E-03	1.31E-06	3.31E-08	2.70E-06	1.64E-06
2590	493130.5, 3860443.11	0.0179041	6.77E-06	2.66E-06	1.08E-02	4.08E-06	1.60E-06	3.21E-03	1.21E-06	3.07E-08	3.35E-03	1.27E-06	3.20E-08	2.66E-06	1.60E-06
2591	493180.5, 3860443.11	0.0176209	6.66E-06	2.62E-06	1.06E-02	4.02E-06	1.58E-06	3.18E-03	1.20E-06	3.04E-08	3.31E-03	1.25E-06	3.17E-08	2.62E-06	1.58E-06
2592	493230.5, 3860443.11	0.0173584	6.56E-06	2.58E-06	1.04E-02	3.94E-06	1.55E-06	3.05E-03	1.15E-06	2.92E-08	3.17E-03	1.20E-06	3.04E-08	2.58E-06	1.55E-06
2593	493280.5, 3860443.11	0.0171255	6.47E-06	2.54E-06	1.02E-02	3.87E-06	1.52E-06	2.95E-03	1.12E-06	2.82E-08	3.07E-03	1.16E-06	2.94E-08	2.54E-06	1.52E-06
2594	493330.5, 3860443.11	0.0168898	6.39E-06	2.51E-06	1.01E-02	3.80E-06	1.49E-06	2.84E-03	1.07E-06	2.71E-08	2.95E-03	1.11E-06	2.82E-08	2.51E-06	1.49E-06
2595	493380.5, 3860443.11	0.0166797	6.31E-06	2.48E-06	9.92E-03	3.75E-06	1.47E-06	2.79E-03	1.05E-06	2.66E-08	2.89E-03	1.09E-06	2.77E-08	2.48E-06	1.47E-06
2596	493180.5, 3860493.11	0.0171869	6.50E-06	2.55E-06	1.05E-02	3.97E-06	1.56E-06	3.31E-03	1.25E-06	3.16E-08	3.44E-03	1.30E-06	3.29E-08	2.55E-06	1.56E-06
2597	493230.5, 3860493.11	0.016925	6.40E-06	2.51E-06	1.03E-02	3.89E-06	1.53E-06	3.19E-03	1.21E-06	3.05E-08	3.32E-03	1.26E-06	3.18E-08	2.52E-06	1.53E-06
2598	493280.5, 3860493.11	0.0166951	6.31E-06	2.48E-06	1.01E-02	3.82E-06	1.50E-06	3.08E-03	1.16E-06	2.95E-08	3.20E-03	1.21E-06	3.06E-08	2.48E-06	1.50E-06
2599	493330.5, 3860493.11	0.0164743	6.23E-06	2.45E-06	9.95E-03	3.76E-06	1.48E-06	2.99E-03	1.13E-06	2.86E-08	3.11E-03	1.17E-06	2.97E-08	2.45E-06	1.48E-06
2600	493380.5, 3860493.11	0.0162603	6.15E-06	2.42E-06	9.81E-03	3.71E-06	1.46E-06	2.93E-03	1.11E-06	2.80E-08	3.04E-03	1.15E-06	2.91E-08	2.42E-06	1.46E-06
2601	493330.5, 3860543.11	0.0161081	6.09E-06	2.39E-06	9.86E-03	3.73E-06	1.46E-06	3.12E-03	1.18E-06	2.99E-08	3.25E-03	1.23E-06	3.11E-08	2.39E-06	1.47E-06
2602	493380.5, 3860543.11	0.0159043	6.01E-06	2.36E-06	9.72E-03	3.67E-06	1.44E-06	3.06E-03	1.16E-06	2.93E-08	3.18E-03	1.20E-06	3.05E-08	2.36E-06	1.44E-06
2603	494135.94, 3860876.85	0.0124578	4.71E-06	1.85E-06	8.10E-03	3.06E-06	1.20E-06	3.15E-03	1.19E-06	3.02E-08	3.28E-03	1.24E-06	3.14E-08	1.85E-06	1.20E-06
2604	494185.94, 3860876.85	0.0123522	4.67E-06	1.83E-06	8.02E-03	3.03E-06	1.19E-06	3.10E-03	1.17E-06	2.97E-08	3.22E-03	1.22E-06	3.08E-08	1.84E-06	1.19E-06
2605	494135.94, 3860926.85	0.0124273	4.70E-06	1.85E-06	8.22E-03	3.11E-06	1.22E-06	3.36E-03	1.27E-06	3.22E-08	3.50E-03	1.32E-06	3.35E-08	1.85E-06	1.22E-06
2606	494185.94, 3860926.85	0.0123241	4.66E-06	1.83E-06	8.13E-03	3.07E-06	1.21E-06	3.31E-03	1.25E-06	3.16E-08	3.44E-03	1.30E-06	3.29E-08	1.83E-06	1.21E-06
2607	494135.94, 3860976.85	0.012453	4.71E-06	1.85E-06	8.39E-03	3.17E-06	1.25E-06	3.61E-03	1.36E-06	3.45E-08	3.75E-03	1.42E-06	3.59E-08	1.85E-06	1.25E-06
2608	494185.94, 3860976.85	0.0123382	4.66E-06	1.83E-06	8.29E-03	3.13E-06	1.23E-06	3.54E-03	1.34E-06	3.39E-08	3.68E-03	1.39E-06	3.52E-08	1.83E-06	1.23E-06
2609	494135.94, 3861026.85	0.0125561	4.75E-06	1.86E-06	8.63E-03	3.26E-06	1.28E-06	3.90E-03	1.48E-06	3.73E-08	4.06E-03	1.54E-06	3.88E-08	1.87E-06	1.28E-06
2610	494185.94, 3861026.85	0.0124278	4.70E-06	1.85E-06	8.52E-03	3.22E-06	1.27E-06	3.82E-03	1.45E-06	3.66E-08	3.98E-03	1.50E-06	3.80E-08	1.85E-06	1.27E-06
2611	494135.94, 3861076.85	0.0127407	4.82E-06	1.89E-06	8.95E-03	3.38E-06	1.33E-06	4.26E-03	1.61E-06	4.08E-08	4.43E-03	1.68E-06	4.24E-08	1.89E-06	1.33E-06
2612	494185.94, 3861076.85	0.0125947	4.76E-06	1.87E-06	8.82E-03	3.34E-06	1.31E-06	4.17E-03	1.58E-06	3.99E-08	4.33E-03	1.64E-06	4.15E-08	1.87E-06	1.31E-06
2613	490360.04, 3858710.04	0.0458453	1.73E-05	6.81E-06	2.43E-02	9.17E-06	3.60E-06	3.01E-03	1.14E-06	2.88E-08	2.96E-03	1.12E-06	2.83E-08	6.81E-06	3.60E-06
2614	490410.04, 3858710.04	0.045121	1.71E-05	6.70E-06	2.38E-02	9.02E-06	3.54E-06	2.92E-03	1.10E-06	2.79E-08	2.88E-03	1.09E-06	2.75E-08	6.70E-06	3.54E-06
2615	490460.04, 3858710.04	0.0445022	1.68E-05	6.61E-06	2.35E-02	8.88E-06	3.49E-06	2.82E-03	1.07E-06	2.70E-08	2.78E-03	1.05E-06	2.66E-08	6.61E-06	3.49E-06
2616	490510.04, 3858710.04	0.0438436	1.66E-05	6.51E-06	2.31E-02	8.74E-06	3.43E-06	2.75E-03	1.04E-06	2.63E-08	2.71E-03	1.02E-06	2.59E-08	6.51E-06	3.43E-06
2617	490560.04, 3858710.04	0.0431853	1.63E-05	6.41E-06	2.28E-02	8.60E-06	3.38E-06	2.68E-03	1.01E-06	2.56E-08	2.64E-03	9.99E-07	2.53E-08	6.41E-06	3.38E-06
2618	490610.04, 3858710.04	0.0425687	1.61E-05	6.32E-06	2.24E-02	8.47E-06	3.33E-06	2.61E-03	9.88E-07	2.50E-08	2.57E-03	9.73E-07	2.46E-08	6.32E-06	3.33E-06
2619	490660.04, 3858710.04	0.0419231	1.59E-05	6.23E-06	2.21E-02	8.34E-06	3.28E-06	2.56E-03	9.69E-07	2.45E-08	2.53E-03	9.55E-07	2.42E-08	6.23E-06	3.28E-06
2620	490710.04, 3858710.04	0.0413961	1.57E-05	6.15E-06	2.18E-02	8.23E-06	3.23E-06	2.49E-03	9.42E-07	2.38E-08	2.46E-03	9.29E-07	2.35E-08	6.15E-06	3.23E-06
2621	490760.04, 3858710.04	0.0408545	1.54E-05	6.07E-06	2.15E-02	8.11E-06	3.19E-06	2.43E-03	9.18E-07	2.32E-08	2.39E-03	9.05E-07	2.29E-08	6.07E-06	3.19E-06
2622	490810.04, 3858710.04	0.0403433	1.53E-05	5.99E-06	2.12E-02	8.00E-06	3.14E-06	2.37E-03	8.96E-07	2.27E-08	2.34E-03	8.84E-07	2.24E-08	5.99E-06	3.14E-06
2623	490860.04, 3858710.04	0.0398885	1.51E-05	5.92E-06	2.09E-02	7.90E-06	3.10E-06	2.30E-03	8.70E-07	2.20E-08	2.27E-03	8.59E-07	2.17E-08	5.92E-06	3.10E-06
2624	490360.04, 3858760.04	0.0462635	1.75E-05	6.87E-06	2.45E-02	9.28E-06	3.64E-06	3.13E-03	1.18E-06	3.00E-08	3.08E-03	1.17E-06	2.95E-08	6.87E-06	3.64E-06
2625	490410.04, 3858760.04	0.0455237	1.72E-05	6.76E-06	2.41E-02	9.12E-06	3.58E-06	3.04E-03	1.15E-06	2.90E-08	2.99E-03	1.13E-06	2.86E-08	6.76E-06	3.58E-06
2626	490460.04, 3858760.04	0.0448363	1.70E-05	6.66E-06	2.37E-02	8.97E-06	3.52E-06	2.94E-03	1.11E-06	2.81E-08	2.90E-03	1.09E-06	2.77E-08	6.66E-06	3.52E-06
2627	490510.04, 3858760.04	0.0441928	1.67E-05	6.56E-06	2.33E-02	8.83E-06	3.47E-06	2.84E-03	1.07E-06	2.72E-08	2.80E-03	1.06E-06	2.68E-08	6.56E-06	3.47E-06
2628	490560.04, 3858760.04	0.0435308	1.65E-05	6.47E-06	2.30E-02	8.69E-06	3.41E-06	2.76E-03	1.04E-06	2.64E-08	2.72E-03	1.03E-06	2.61E-08	6.47E-06	3.41E-06

2629	490610.04, 3858760.04	0.0429103	1.62E-05	6.37E-06	2.26E-02	8.55E-06	3.36E-06	2.68E-03	1.01E-06	2.57E-08	2.65E-03	1.00E-06	2.53E-08	6.37E-06	3.36E-06
2630	490660.04, 3858760.04	0.042301	1.60E-05	6.28E-06	2.23E-02	8.42E-06	3.31E-06	2.61E-03	9.87E-07	2.50E-08	2.58E-03	9.74E-07	2.46E-08	6.28E-06	3.31E-06
2631	490710.04, 3858760.04	0.0417235	1.58E-05	6.20E-06	2.20E-02	8.30E-06	3.26E-06	2.54E-03	9.61E-07	2.43E-08	2.51E-03	9.49E-07	2.40E-08	6.20E-06	3.26E-06
2632	490760.04, 3858760.04	0.0411927	1.56E-05	6.12E-06	2.16E-02	8.18E-06	3.21E-06	2.47E-03	9.33E-07	2.36E-08	2.44E-03	9.21E-07	2.33E-08	6.12E-06	3.21E-06
2633	490810.04, 3858760.04	0.0406702	1.54E-05	6.04E-06	2.13E-02	8.07E-06	3.17E-06	2.40E-03	9.08E-07	2.30E-08	2.37E-03	8.97E-07	2.27E-08	6.04E-06	3.17E-06
2634	490860.04, 3858760.04	0.0401607	1.52E-05	5.97E-06	2.11E-02	7.96E-06	3.13E-06	2.34E-03	8.86E-07	2.24E-08	2.31E-03	8.75E-07	2.21E-08	5.96E-06	3.13E-06
2635	490360.04, 3858810.04	0.0467848	1.77E-05	6.95E-06	2.49E-02	9.40E-06	3.69E-06	3.26E-03	1.23E-06	3.12E-08	3.21E-03	1.21E-06	3.07E-08	6.95E-06	3.69E-06
2636	490410.04, 3858810.04	0.0460137	1.74E-05	6.83E-06	2.44E-02	9.24E-06	3.63E-06	3.15E-03	1.19E-06	3.01E-08	3.10E-03	1.17E-06	2.97E-08	6.83E-06	3.63E-06
2637	490460.04, 3858810.04	0.0453019	1.71E-05	6.73E-06	2.40E-02	9.08E-06	3.57E-06	3.04E-03	1.15E-06	2.91E-08	3.00E-03	1.13E-06	2.87E-08	6.73E-06	3.57E-06
2638	490510.04, 3858810.04	0.0445606	1.68E-05	6.62E-06	2.36E-02	8.92E-06	3.51E-06	2.96E-03	1.12E-06	2.83E-08	2.91E-03	1.10E-06	2.79E-08	6.62E-06	3.50E-06
2639	490560.04, 3858810.04	0.0438742	1.66E-05	6.52E-06	2.32E-02	8.77E-06	3.45E-06	2.87E-03	1.08E-06	2.74E-08	2.83E-03	1.07E-06	2.71E-08	6.52E-06	3.45E-06
2640	490610.04, 3858810.04	0.0432699	1.64E-05	6.43E-06	2.29E-02	8.64E-06	3.39E-06	2.77E-03	1.05E-06	2.65E-08	2.73E-03	1.03E-06	2.61E-08	6.43E-06	3.39E-06
2641	490660.04, 3858810.04	0.0426451	1.61E-05	6.33E-06	2.25E-02	8.50E-06	3.34E-06	2.69E-03	1.02E-06	2.57E-08	2.65E-03	1.00E-06	2.54E-08	6.33E-06	3.34E-06
2642	490710.04, 3858810.04	0.0420739	1.59E-05	6.25E-06	2.22E-02	8.38E-06	3.29E-06	2.61E-03	9.85E-07	2.49E-08	2.57E-03	9.73E-07	2.46E-08	6.25E-06	3.29E-06
2643	490760.04, 3858810.04	0.0415563	1.57E-05	6.17E-06	2.18E-02	8.26E-06	3.25E-06	2.51E-03	9.50E-07	2.40E-08	2.48E-03	9.39E-07	2.37E-08	6.17E-06	3.25E-06
2644	490810.04, 3858810.04	0.0409586	1.55E-05	6.08E-06	2.15E-02	8.14E-06	3.20E-06	2.46E-03	9.30E-07	2.35E-08	2.43E-03	9.19E-07	2.32E-08	6.08E-06	3.20E-06
2645	490860.04, 3858810.04	0.0404541	1.53E-05	6.01E-06	2.12E-02	8.03E-06	3.15E-06	2.39E-03	9.02E-07	2.28E-08	2.36E-03	8.92E-07	2.26E-08	6.01E-06	3.15E-06
2646	490360.04, 3858860.04	0.0474277	1.79E-05	7.04E-06	2.53E-02	9.55E-06	3.75E-06	3.38E-03	1.28E-06	3.23E-08	3.33E-03	1.26E-06	3.19E-08	7.04E-06	3.75E-06
2647	490410.04, 3858860.04	0.0465538	1.76E-05	6.91E-06	2.48E-02	9.37E-06	3.68E-06	3.28E-03	1.24E-06	3.14E-08	3.24E-03	1.23E-06	3.10E-08	6.91E-06	3.68E-06
2648	490460.04, 3858860.04	0.0458045	1.73E-05	6.80E-06	2.43E-02	9.20E-06	3.61E-06	3.16E-03	1.20E-06	3.02E-08	3.12E-03	1.18E-06	2.99E-08	6.80E-06	3.61E-06
2649	490510.04, 3858860.04	0.0449903	1.70E-05	6.68E-06	2.39E-02	9.03E-06	3.55E-06	3.08E-03	1.16E-06	2.95E-08	3.04E-03	1.15E-06	2.91E-08	6.68E-06	3.55E-06
2650	490560.04, 3858860.04	0.044307	1.68E-05	6.58E-06	2.35E-02	8.88E-06	3.49E-06	2.97E-03	1.12E-06	2.85E-08	2.94E-03	1.11E-06	2.81E-08	6.58E-06	3.49E-06
2651	490610.04, 3858860.04	0.0436971	1.65E-05	6.49E-06	2.31E-02	8.74E-06	3.43E-06	2.85E-03	1.08E-06	2.73E-08	2.82E-03	1.07E-06	2.70E-08	6.49E-06	3.43E-06
2652	490660.04, 3858860.04	0.0430513	1.63E-05	6.39E-06	2.27E-02	8.60E-06	3.38E-06	2.77E-03	1.05E-06	2.65E-08	2.73E-03	1.03E-06	2.62E-08	6.39E-06	3.38E-06
2653	490710.04, 3858860.04	0.0423842	1.60E-05	6.30E-06	2.24E-02	8.46E-06	3.32E-06	2.69E-03	1.02E-06	2.58E-08	2.66E-03	1.01E-06	2.55E-08	6.30E-06	3.32E-06
2654	490760.04, 3858860.04	0.0418463	1.58E-05	6.22E-06	2.20E-02	8.33E-06	3.27E-06	2.60E-03	9.81E-07	2.48E-08	2.57E-03	9.71E-07	2.46E-08	6.22E-06	3.27E-06
2655	490810.04, 3858860.04	0.0413212	1.56E-05	6.14E-06	2.17E-02	8.22E-06	3.23E-06	2.51E-03	9.48E-07	2.40E-08	2.48E-03	9.39E-07	2.38E-08	6.14E-06	3.23E-06
2656	490860.04, 3858860.04	0.0408144	1.54E-05	6.06E-06	2.14E-02	8.10E-06	3.18E-06	2.42E-03	9.16E-07	2.32E-08	2.40E-03	9.08E-07	2.30E-08	6.06E-06	3.18E-06
2657	490360.04, 3858910.04	0.048032	1.82E-05	7.13E-06	2.57E-02	9.71E-06	3.81E-06	3.57E-03	1.35E-06	3.41E-08	3.52E-03	1.33E-06	3.37E-08	7.13E-06	3.81E-06
2658	490410.04, 3858910.04	0.0471421	1.78E-05	7.00E-06	2.52E-02	9.52E-06	3.74E-06	3.44E-03	1.30E-06	3.29E-08	3.40E-03	1.29E-06	3.25E-08	7.00E-06	3.74E-06
2659	490460.04, 3858910.04	0.0463114	1.75E-05	6.88E-06	2.47E-02	9.33E-06	3.67E-06	3.32E-03	1.25E-06	3.17E-08	3.28E-03	1.24E-06	3.14E-08	6.88E-06	3.67E-06
2660	490510.04, 3858910.04	0.0455335	1.72E-05	6.76E-06	2.42E-02	9.16E-06	3.60E-06	3.19E-03	1.21E-06	3.06E-08	3.16E-03	1.19E-06	3.02E-08	6.76E-06	3.60E-06
2661	490560.04, 3858910.04	0.044826	1.69E-05	6.66E-06	2.38E-02	9.00E-06	3.54E-06	3.07E-03	1.16E-06	2.94E-08	3.04E-03	1.15E-06	2.91E-08	6.66E-06	3.54E-06
2662	490610.04, 3858910.04	0.0441501	1.67E-05	6.56E-06	2.34E-02	8.85E-06	3.48E-06	2.95E-03	1.12E-06	2.82E-08	2.92E-03	1.11E-06	2.80E-08	6.56E-06	3.47E-06
2663	490660.04, 3858910.04	0.0434634	1.64E-05	6.46E-06	2.30E-02	8.70E-06	3.42E-06	2.86E-03	1.08E-06	2.73E-08	2.83E-03	1.07E-06	2.71E-08	6.46E-06	3.42E-06
2664	490710.04, 3858910.04	0.0428374	1.62E-05	6.36E-06	2.26E-02	8.56E-06	3.36E-06	2.75E-03	1.04E-06	2.63E-08	2.73E-03	1.03E-06	2.61E-08	6.36E-06	3.36E-06
2665	490760.04, 3858910.04	0.0422835	1.60E-05	6.28E-06	2.23E-02	8.43E-06	3.31E-06	2.65E-03	1.00E-06	2.53E-08	2.62E-03	9.92E-07	2.51E-08	6.28E-06	3.31E-06
2666	490810.04, 3858910.04	0.0416998	1.58E-05	6.19E-06	2.20E-02	8.30E-06	3.26E-06	2.56E-03	9.70E-07	2.45E-08	2.54E-03	9.62E-07	2.43E-08	6.19E-06	3.26E-06
2667	490860.04, 3858910.04	0.0411997	1.56E-05	6.12E-06	2.16E-02	8.18E-06	3.22E-06	2.47E-03	9.32E-07	2.36E-08	2.45E-03	9.26E-07	2.34E-08	6.12E-06	3.21E-06
2668	490360.04, 3858960.04	0.0488085	1.85E-05	7.25E-06	2.62E-02	9.89E-06	3.89E-06	3.74E-03	1.41E-06	3.58E-08	3.71E-03	1.40E-06	3.54E-08	7.25E-06	3.89E-06
2669	490410.04, 3858960.04	0.0478719	1.81E-05	7.11E-06	2.56E-02	9.69E-06	3.81E-06	3.59E-03	1.36E-06	3.43E-08	3.56E-03	1.34E-06	3.40E-08	7.11E-06	3.80E-06
2670	490460.04, 3858960.04	0.0470039	1.78E-05	6.98E-06	2.51E-02	9.49E-06	3.73E-06	3.44E-03	1.30E-06	3.29E-08	3.41E-03	1.29E-06	3.26E-08	6.98E-06	3.73E-06
2671	490510.04, 3858960.04	0.0461722	1.75E-05	6.86E-06	2.46E-02	9.30E-06	3.66E-06	3.31E-03	1.25E-06	3.16E-08	3.28E-03	1.24E-06	3.14E-08	6.86E-06	3.65E-06
2672	490560.04, 3858960.04	0.0453923	1.72E-05	6.74E-06	2.41E-02	9.13E-06	3.59E-06	3.18E-03	1.20E-06	3.04E-08	3.16E-03	1.19E-06	3.02E-08	6.74E-06	3.59E-06
2673	490610.04, 3858960.04	0.0447005	1.69E-05	6.64E-06	2.37E-02	8.97E-06	3.52E-06	3.04E-03	1.15E-06	2.91E-08	3.02E-03	1.14E-06	2.89E-08	6.64E-06	3.52E-06
2674	490660.04, 3858960.04	0.0439344	1.66E-05	6.53E-06	2.33E-02	8.81E-06	3.46E-06	2.96E-03	1.12E-06	2.83E-08	2.93E-03	1.11E-06	2.81E-08	6.53E-06	3.46E-06
2675	490710.04, 3858960.04	0.0433161	1.64E-05	6.43E-06	2.29E-02	8.66E-06	3.40E-06	2.83E-03	1.07E-06	2.71E-08	2.81E-03	1.06E-06	2.69E-08	6.43E-06	3.40E-06
2676	490760.04, 3858960.04	0.0427084	1.61E-05	6.34E-06	2.25E-02	8.52E-06	3.35E-06	2.72E-03	1.03E-06	2.60E-08	2.71E-03	1.02E-06	2.59E-08	6.34E-06	3.35E-06
2677	490810.04, 3858960.04	0.0421361	1.59E-05	6.26E-06	2.22E-02	8.39E-06	3.30E-06	2.62E-03	9.91E-07	2.51E-08	2.61E-03	9.86E-07	2.49E-08	6.26E-06	3.30E-06
2678	490860.04, 3858960.04	0.0416387	1.57E-05	6.18E-06	2.19E-02	8.28E-06	3.25E-06	2.51E-03	9.51E-07	2.41E-08	2.50E-03	9.46E-07	2.39E-08	6.18E-06	3.25E-06
2679	490360.04, 3859010.04	0.0496878	1.88E-05	7.38E-06	2.67E-02	1.01E-05	3.97E-06	3.93E-03	1.49E-06	3.76E-08	3.91E-03	1.48E-06	3.74E-08	7.38E-06	3.97E-06
2680	490410.04, 3859010.04	0.0486844	1.84E-05	7.23E-06	2.61E-02	9.88E-06	3.88E-06	3.76E-03	1.42E-06	3.59E-08	3.73E-03	1.41E-06	3.57E-08	7.23E-06	3.88E-06
2681	490460.04, 3859010.04	0.047791	1.81E-05	7.10E-06	2.56E-02	9.67E-06	3.80E-06	3.57E-03	1.35E-06	3.41E-08	3.55E-03	1.34E-06	3.40E-08	7.10E-06	3.80E-06
2682	490510.04, 3859010.04	0.0469468	1.77E-05	6.97E-06	2.50E-02	9.47E-06	3.72E-06	3.40E-03	1.29E-06	3.25E-08	3.38E-03	1.28E-06	3.24E-08	6.97E-06	3.72E-06
2683	490560.04, 3859010.04	0.0460619	1.74E-05	6.84E-06	2.45E-02	9.28E-06	3.65E-06	3.29E-03	1.24E-06	3.14E-08	3.27E-03	1.24E-06	3.13E-08	6.84E-06	3.65E-06
2684	490610.04, 3859010.04	0.0453161	1.71E-05	6.73E-06	2.41E-02	9.11E-06	3.58E-06	3.14E-03	1.19E-06	3.00E-08	3.12E-03	1.18E-06	2.99E-08	6.73E-06	3.58E-06
2685	490660.04, 3859010.04	0.0445029	1.68E-05	6.61E-06	2.36E-02	8.93E-06	3.51E-06	3.05E-03	1.15E-06	2.91E-08	3.03E-03	1.15E-06	2.90E-08	6.61E-06	3.51E-06
2686	490710.04, 3859010.04	0.0438534	1.66E-05	6.51E-06	2.32E-02	8.78E-06	3.45E-06	2.91E-03	1.10E-06	2.78E-08	2.90E-03	1.10E-06	2.77E-08	6.51E-06	3.45E-06
2687	490760.04, 3859010.04	0.04323	1.63E-05	6.42E-06	2.28E-02	8.64E-06	3.39E-06	2.79E-03	1.05E-06	2.67E-08	2.78E-03	1.05E-06	2.66E-08	6.42E-06	3.39E-06
2688	490810.04, 3859010.04	0.0426407	1.61E-05	6.33E-06	2.25E-02	8.50E-06	3.34E-06	2.68E-03	1.01E-06	2.56E-08	2.67E-03	1.01E-06	2.55E-08	6.33E-06	3.34E-06
2689	490860.04, 3859010.04	0.0420735	1.59E-05	6.25E-06	2.21E-02	8.37E-06	3.29E-06	2.58E-03	9.74E-07	2.46E-08	2.57E-03	9.72E-07	2.46E-08	6.25E-06	3.29E-06
2690	490360.04, 3859060.04	0.0507093	1.92E-05	7.53E-06	2.74E-02	1.03E-05	4.06E-06	4.14E-03	1.57E-06	3.96E-08	4.13E-03	1.56E-06	3.95E-08	7.53E-06	4.06E-06
2691	490410.04, 3859060.04	0.0496646	1.88E-05	7.38E-06	2.67E-02	1.01E-05	3.97E-06	3.91E-03	1.48E-06	3.74E-08	3.90E-03	1.47E-06	3.73E-08	7.38E-06	3.97E-06
2692	490460.04, 3859060.04	0.0486668	1.84E-05	7.23E-06	2.61E-02	9.86E-06	3.87E-06	3.71E-03	1.40E-06	3.55E-08	3.71E-03	1.40E-06	3.54E-08	7.23E-06	3.87E-06
2693	490510.04, 3859060.04	0.0477205	1.80E-05	7.09E-06	2.55E-02	9.65E-06	3.79E-06	3.55E-03	1.34E-06	3.39E-08	3.54E-03	1.34E-06	3.39E-08	7.09E-06	3.79E-06
2694	490560.04, 3859060.04	0.046858	1.77E-05	6.96E-06	2.50E-02	9.45E-06	3.71E-06	3.37E-03	1.28E-06	3.23E-08	3.37E-03	1.27E-06	3.22E-08	6.96E-06	3.71E-06
2695	490610.04, 3859060.04	0.0459941	1.74E-05	6.83E-06	2.45E-02	9.26E-06	3.64E-06	3.25E-03	1.23E-06	3.11E-08	3.24E-03	1.23E-06	3.10E-08	6.83E-06	3.64E-06
2696	490660.04, 3859060.04	0.0451727	1.71E-05	6.71E-06	2.40E-02	9.08E-06	3.57E-06	3.13E-03	1.18E-06	3.00E-08	3.13E-03	1.18E-06	2.99E-08	6.71E-06	3.57E-06
2697	490710.04, 3859060.04	0.0444828	1.68E-05	6.61E-06	2.36E-02	8.91E-06	3.50E-06	2.98E-03	1.13E-06	2.85E-08	2.98E-03	1.13E-06	2.85E-08	6.61E-06	3.50E-06
2698	490760.04, 3859060.04	0.0438331	1.66E-05	6.51E-06	2.32E-02	8.76E-06	3.44E-06	2.86E-03	1.08E-06	2.73E-08	2.85E-03	1.08E-06	2.73E-08	6.51E-06	3.44E-06
2699	490810.04, 3859060.04	0.0432217	1.63E-05	6.42E-06	2.28E-02	8.62E-06	3.39E-06	2.74E-03	1.03E-06	2.62E-08	2.73E-03	1.03E-06	2.62E-08	6.42E-06	3.39E-06
2700	490860.04, 3859060.04	0.0426156	1.61E-05	6.33E-06	2.24E-02	8.48E-06	3.33E-06	2.63E-03	9.94E-07	2.51E-08	2.63E-03	9.94E-07	2.52E-08	6.33E-06	3.33E-06
2701	490360.04, 3859110.04	0.0518465	1.96E-05	7.70E-06	2.81E-02	1.06E-05	4.17E-06	4.41E-03	1.67E-06	4.22E-08	4.42E-03	1.67E-06	4.23E-08	7.70E-06	4.17E-06
2702	490410.04, 3859110.04	0.0507003	1.92E-05	7.53E-06	2.74E-02	1.03E-05	4.06E-06	4.14E-03	1.57E-06	3.96E-08	4.15E-03	1.57E-06	3.97E-08	7.53E-06	4.06E-06
2703	490460.04, 3859110.04	0.0495846	1.87E-05	7.36E-06	2.67E-02	1.01E-05	3.96E-06	3.94E-03	1.49E-06	3.77E-08	3.95E-03	1.49E-06	3.78E-08	7.36E-06	3.96E-06
2704	490510.04, 3859110.04	0.0486569	1.84E-05	7.23E-06	2.61E-02	9.85E-06	3.87E-06	3.69E-03	1.39E-06	3.53E-08	3.69E-03	1.39E-06	3.53E-08	7.23E-06	3.87E-06
2705	490560.04, 3859110.04	0.0476993	1.80E-05	7.08E-06	2.55E-02	9.64E-06	3.79E-06	3.51E-03	1.33E-06	3.36E-08	3.51E-03	1.33E-06	3.36E-08	7.08E-06	3.79E-06
2706	490610.04, 3859110.04	0.0468254	1.77E-05	6.96E-06	2.49E-02	9.43E-06	3.71E-06	3.34E-03	1.26E-06	3.19E-08	3.34E-03	1.26E-06	3.20E-08	6.96E-06	3.71E-06
2707	490660.04, 3859110.04	0.0460504	1.74E-05	6.84E-06	2.45E-02	9.25E-06	3.63E-06	3.17E-03	1.20E-06	3.03E-08	3.17E-03	1.20E-06	3.04E-08	6.84E-06	3.63E-06
2708	490710.04, 3859110.04	0.0452539	1.71E-05	6.72E-06	2.40E-02	9.07E-06	3.56E-06	3.05E-03	1.15E-06	2.92E-08	3.06E-03	1.16E-06	2.93E-08	6.72E-06	3.56E-06
2709	490760.04, 3859110.04	0.0445372	1.68E-05	6.62E-06	2.36E-02	8.91E-06	3.50E-06	2.92E-03	1.11E-06	2.80E-08	2.93E-03	1.11E-06	2.80E-08	6.62E-06	3.50E-06
2710	490810.04, 3859110.04	0.0438976	1.66E-05	6.52E-06	2.32E-02	8.76E-06	3.44E-06	2.79E-03	1.06E-06	2.67E-08	2.80E-03	1.06E-06	2.68E-08	6.52E-06	3.44E-06
2711	490860.04, 3859110.04	0.0432999	1.64E-05	6.43E-06	2.28E-02	8.62E-06	3.39E-06	2.67E-03	1.01E-06	2.56E-08	2.68E-03	1.01E-06	2.57E-08	6.43E-06	3.39E-06
2712	490360.04, 3859160.04	0.053173	2.01E-05	7.90E-06	2.89E-02	1.09E-05	4.30E-06	4.74E-03	1.79E-06	4.54E-08	4.77E-03	1.80E-06	4.56E-08	7.90E-06	4.30E-06
2713	490410.04, 3859160.04	0.0518996	1.96E-05	7.71E-06	2.81E-02	1.06E-05	4.18E-06	4.45E-03	1.68E-06	4.25E-08	4.47E-03	1.69E-06	4.28E-08	7.71E-06	4.18E-06
2714	490460.04, 3859160.04	0.0506854	1.92E-05	7.53E-06	2.74E-02	1.03E-05	4.07E-06	4.19E-03	1.58E-06	4.01E-08	4.21E-03	1.59E-06	4.03E-08	7.53E-06	4.07E-06
2715	490510.04, 3859160.04	0.04958	1.87E-05	7.36E-06	2.67E-02	1.01E-05	3.96E-06	3.95E-03	1.49E-06	3.78E-08	3.96E-03	1.50E-06	3.79E-08	7.36E-06	3.96E-06
2716	490560.04, 3859160.04	0.0486154	1.84E-05	7.22E-06	2.61E-02	9.85E-06	3.87E-06	3.70E-03	1.40E-06	3.54E-08	3.72E-03	1.41E-06	3.56E-08	7.22E-06	3.87E-06
2717	490610.04, 3859160.04	0.0476423	1.80E-05	7.08E-06	2.55E-02	9.63E-06	3.78E-06	3.53E-03	1.33E-06	3.37E-08	3.54E-03	1.34E-06	3.39E-08	7.08E-06	3.78E-06
2718	490660.04, 3859160.04	0.0469419	1.77E-05	6.97E-06	2.50E-02	9.44E-06	3.71E-06	3.28E-03	1.24E-06	3.13E-08	3.29E-03	1.24E-06	3.15E-08	6.97E-06	3.71E-06
2719	490710.04, 3859160.04	0.046085	1.74E-05	6.85E-06	2.45E-02	9.25E-06	3.63E-06	3.14E-03	1.19E-06	3.01E-08	3.16E-03	1.19E-06	3.02E-08	6.85E-06	3.63E-06
2720	490760.04, 3859160.04	0.0454319	1.72E-05	6.75E-06	2.40E-02	9.09E-06	3.57E-06	2.97E-03	1.12E-06	2.84E-08	2.99E-03	1.13E-06	2.86E-08	6.75E-06	3.57E-06
2721	490810.04, 3859160.04	0.04467	1.69E-05	6.63E-06	2.36E-02	8.92E-06	3.50E-06	2.86E-03	1.08E-06	2.74E-08	2.88E-03	1.09E-06	2.75E-08	6.64E-06	3.50E-06
2722	490860.04, 3859160.04	0.0439781	1.66E-05	6.53E-06	2.32E-02	8.76E-06	3.44E-06	2.75E-03	1.04E-06	2.63E-08	2.77E-03	1.05E-06	2.65E-08	6.53E-06	3.44E-06

2723	490360.04, 3859210.04	0.0547859	2.07E-05	8.14E-06	3.00E-02	1.13E-05	4.45E-06	5.14E-03	1.94E-06	4.92E-08	5.20E-03	1.96E-06	4.97E-08	8.14E-06	4.45E-06
2724	490410.04, 3859210.04	0.0532761	2.01E-05	7.91E-06	2.91E-02	1.10E-05	4.32E-06	4.87E-03	1.84E-06	4.66E-08	4.92E-03	1.86E-06	4.70E-08	7.91E-06	4.32E-06
2725	490460.04, 3859210.04	0.0519732	1.97E-05	7.72E-06	2.82E-02	1.07E-05	4.19E-06	4.48E-03	1.70E-06	4.29E-08	4.52E-03	1.71E-06	4.33E-08	7.72E-06	4.19E-06
2726	490510.04, 3859210.04	0.0507774	1.92E-05	7.54E-06	2.74E-02	1.04E-05	4.07E-06	4.20E-03	1.59E-06	4.02E-08	4.23E-03	1.60E-06	4.05E-08	7.54E-06	4.07E-06
2727	490560.04, 3859210.04	0.0495992	1.88E-05	7.37E-06	2.67E-02	1.01E-05	3.97E-06	3.99E-03	1.51E-06	3.81E-08	4.02E-03	1.52E-06	3.84E-08	7.37E-06	3.97E-06
2728	490610.04, 3859210.04	0.0485865	1.84E-05	7.22E-06	2.61E-02	9.86E-06	3.87E-06	3.75E-03	1.42E-06	3.59E-08	3.78E-03	1.43E-06	3.62E-08	7.22E-06	3.87E-06
2729	490660.04, 3859210.04	0.0477423	1.81E-05	7.09E-06	2.55E-02	9.64E-06	3.79E-06	3.49E-03	1.32E-06	3.34E-08	3.52E-03	1.33E-06	3.36E-08	7.09E-06	3.79E-06
2730	490710.04, 3859210.04	0.0468063	1.77E-05	6.95E-06	2.49E-02	9.42E-06	3.70E-06	3.31E-03	1.25E-06	3.16E-08	3.34E-03	1.26E-06	3.19E-08	6.95E-06	3.70E-06
2731	490760.04, 3859210.04	0.0461553	1.75E-05	6.86E-06	2.45E-02	9.26E-06	3.64E-06	3.13E-03	1.18E-06	2.99E-08	3.16E-03	1.19E-06	3.02E-08	6.86E-06	3.64E-06
2732	490810.04, 3859210.04	0.0452398	1.71E-05	6.72E-06	2.40E-02	9.07E-06	3.56E-06	3.04E-03	1.15E-06	2.91E-08	3.07E-03	1.16E-06	2.94E-08	6.72E-06	3.56E-06
2733	490860.04, 3859210.04	0.0443807	1.68E-05	6.59E-06	2.35E-02	8.89E-06	3.49E-06	2.96E-03	1.12E-06	2.83E-08	2.99E-03	1.13E-06	2.86E-08	6.59E-06	3.49E-06
2734	490360.04, 3859260.04	0.0568171	2.15E-05	8.44E-06	3.13E-02	1.18E-05	4.64E-06	5.59E-03	2.11E-06	5.35E-08	5.68E-03	2.15E-06	5.43E-08	8.44E-06	4.64E-06
2735	490410.04, 3859260.04	0.0550838	2.08E-05	8.18E-06	3.02E-02	1.14E-05	4.48E-06	5.24E-03	1.98E-06	5.01E-08	5.31E-03	2.01E-06	5.08E-08	8.18E-06	4.49E-06
2736	490460.04, 3859260.04	0.0534833	2.02E-05	7.94E-06	2.92E-02	1.11E-05	4.34E-06	4.95E-03	1.87E-06	4.74E-08	5.02E-03	1.90E-06	4.80E-08	7.94E-06	4.34E-06
2737	490510.04, 3859260.04	0.0520045	1.97E-05	7.72E-06	2.83E-02	1.07E-05	4.21E-06	4.68E-03	1.77E-06	4.48E-08	4.74E-03	1.79E-06	4.53E-08	7.72E-06	4.21E-06
2738	490560.04, 3859260.04	0.0507634	1.92E-05	7.54E-06	2.75E-02	1.04E-05	4.09E-06	4.38E-03	1.66E-06	4.19E-08	4.44E-03	1.68E-06	4.25E-08	7.54E-06	4.09E-06
2739	490610.04, 3859260.04	0.0496691	1.88E-05	7.38E-06	2.68E-02	1.01E-05	3.98E-06	4.06E-03	1.53E-06	3.88E-08	4.11E-03	1.55E-06	3.93E-08	7.38E-06	3.98E-06
2740	490660.04, 3859260.04	0.0484732	1.83E-05	7.20E-06	2.61E-02	9.87E-06	3.88E-06	3.91E-03	1.48E-06	3.74E-08	3.95E-03	1.49E-06	3.78E-08	7.20E-06	3.88E-06
2741	490710.04, 3859260.04	0.0474024	1.79E-05	7.04E-06	2.55E-02	9.63E-06	3.78E-06	3.70E-03	1.40E-06	3.54E-08	3.74E-03	1.42E-06	3.58E-08	7.04E-06	3.78E-06
2742	490760.04, 3859260.04	0.0466477	1.76E-05	6.93E-06	2.49E-02	9.43E-06	3.71E-06	3.47E-03	1.31E-06	3.32E-08	3.51E-03	1.33E-06	3.36E-08	6.93E-06	3.71E-06
2743	490810.04, 3859260.04	0.0456946	1.73E-05	6.79E-06	2.44E-02	9.23E-06	3.62E-06	3.34E-03	1.26E-06	3.20E-08	3.39E-03	1.28E-06	3.24E-08	6.79E-06	3.62E-06
2744	490860.04, 3859260.04	0.0447956	1.69E-05	6.65E-06	2.39E-02	9.03E-06	3.55E-06	3.23E-03	1.22E-06	3.09E-08	3.27E-03	1.24E-06	3.13E-08	6.65E-06	3.55E-06
2745	490360.04, 3859310.04	0.0593662	2.24E-05	8.82E-06	3.29E-02	1.25E-05	4.89E-06	6.26E-03	2.37E-06	5.99E-08	6.39E-03	2.41E-06	6.11E-08	8.82E-06	4.89E-06
2746	490410.04, 3859310.04	0.0572827	2.17E-05	8.51E-06	3.16E-02	1.20E-05	4.70E-06	5.83E-03	2.20E-06	5.58E-08	5.94E-03	2.25E-06	5.68E-08	8.51E-06	4.70E-06
2747	490460.04, 3859310.04	0.05542	2.10E-05	8.23E-06	3.05E-02	1.15E-05	4.53E-06	5.47E-03	2.07E-06	5.23E-08	5.57E-03	2.10E-06	5.32E-08	8.23E-06	4.53E-06
2748	490510.04, 3859310.04	0.0537312	2.03E-05	7.98E-06	2.95E-02	1.12E-05	4.38E-06	5.17E-03	1.96E-06	4.95E-08	5.26E-03	1.99E-06	5.03E-08	7.98E-06	4.38E-06
2749	490560.04, 3859310.04	0.0521807	1.97E-05	7.75E-06	2.86E-02	1.08E-05	4.24E-06	4.89E-03	1.85E-06	4.68E-08	4.97E-03	1.88E-06	4.76E-08	7.75E-06	4.24E-06
2750	490610.04, 3859310.04	0.05076	1.92E-05	7.54E-06	2.77E-02	1.05E-05	4.12E-06	4.65E-03	1.76E-06	4.45E-08	4.73E-03	1.79E-06	4.52E-08	7.54E-06	4.12E-06
2751	490660.04, 3859310.04	0.0494839	1.87E-05	7.35E-06	2.69E-02	1.02E-05	4.00E-06	4.40E-03	1.66E-06	4.21E-08	4.47E-03	1.69E-06	4.27E-08	7.35E-06	4.00E-06
2752	490710.04, 3859310.04	0.048429	1.83E-05	7.19E-06	2.62E-02	9.91E-06	3.89E-06	4.07E-03	1.54E-06	3.89E-08	4.13E-03	1.56E-06	3.95E-08	7.19E-06	3.89E-06
2753	490760.04, 3859310.04	0.0473873	1.79E-05	7.04E-06	2.56E-02	9.66E-06	3.80E-06	3.86E-03	1.46E-06	3.69E-08	3.91E-03	1.48E-06	3.74E-08	7.04E-06	3.80E-06
2754	490810.04, 3859310.04	0.0463487	1.75E-05	6.88E-06	2.49E-02	9.43E-06	3.71E-06	3.70E-03	1.40E-06	3.54E-08	3.76E-03	1.42E-06	3.59E-08	6.88E-06	3.71E-06
2755	490860.04, 3859310.04	0.0454312	1.72E-05	6.75E-06	2.44E-02	9.22E-06	3.62E-06	3.52E-03	1.33E-06	3.37E-08	3.58E-03	1.35E-06	3.42E-08	6.75E-06	3.62E-06
2756	490360.04, 3859360.04	0.0627182	2.37E-05	9.32E-06	3.51E-02	1.33E-05	5.22E-06	7.12E-03	2.69E-06	6.81E-08	7.31E-03	2.76E-06	6.99E-08	9.32E-06	5.22E-06
2757	490410.04, 3859360.04	0.0601097	2.27E-05	8.93E-06	3.36E-02	1.27E-05	4.98E-06	6.65E-03	2.52E-06	6.36E-08	6.82E-03	2.58E-06	6.52E-08	8.93E-06	4.99E-06
2758	490460.04, 3859360.04	0.0578196	2.19E-05	8.59E-06	3.22E-02	1.22E-05	4.78E-06	6.25E-03	2.36E-06	5.97E-08	6.39E-03	2.42E-06	6.11E-08	8.59E-06	4.78E-06
2759	490510.04, 3859360.04	0.0557931	2.11E-05	8.29E-06	3.10E-02	1.17E-05	4.60E-06	5.88E-03	2.22E-06	5.62E-08	6.01E-03	2.27E-06	5.75E-08	8.29E-06	4.60E-06
2760	490560.04, 3859360.04	0.0539974	2.04E-05	8.02E-06	2.98E-02	1.13E-05	4.43E-06	5.49E-03	2.08E-06	5.26E-08	5.61E-03	2.12E-06	5.37E-08	8.02E-06	4.43E-06
2761	490610.04, 3859360.04	0.0523889	1.98E-05	7.78E-06	2.88E-02	1.09E-05	4.28E-06	5.15E-03	1.95E-06	4.93E-08	5.26E-03	1.99E-06	5.03E-08	7.78E-06	4.28E-06
2762	490660.04, 3859360.04	0.0509066	1.92E-05	7.56E-06	2.79E-02	1.06E-05	4.15E-06	4.87E-03	1.84E-06	4.66E-08	4.97E-03	1.88E-06	4.75E-08	7.56E-06	4.15E-06
2763	490710.04, 3859360.04	0.049604	1.88E-05	7.37E-06	2.71E-02	1.02E-05	4.02E-06	4.56E-03	1.72E-06	4.36E-08	4.65E-03	1.76E-06	4.45E-08	7.37E-06	4.02E-06
2764	490760.04, 3859360.04	0.048441	1.83E-05	7.20E-06	2.63E-02	9.96E-06	3.91E-06	4.27E-03	1.62E-06	4.09E-08	4.35E-03	1.65E-06	4.16E-08	7.20E-06	3.91E-06
2765	490810.04, 3859360.04	0.0472388	1.79E-05	7.02E-06	2.57E-02	9.70E-06	3.81E-06	4.12E-03	1.56E-06	3.94E-08	4.19E-03	1.59E-06	4.01E-08	7.02E-06	3.81E-06
2766	490860.04, 3859360.04	0.0461992	1.75E-05	6.86E-06	2.50E-02	9.46E-06	3.72E-06	3.92E-03	1.48E-06	3.75E-08	3.99E-03	1.51E-06	3.82E-08	6.86E-06	3.72E-06
2767	490360.04, 3859410.04	0.067229	2.54E-05	9.99E-06	3.81E-02	1.44E-05	5.65E-06	8.27E-03	3.13E-06	7.91E-08	8.53E-03	3.23E-06	8.16E-08	9.99E-06	5.66E-06
2768	490410.04, 3859410.04	0.0638465	2.41E-05	9.48E-06	3.60E-02	1.36E-05	5.35E-06	7.70E-03	2.91E-06	7.36E-08	7.92E-03	3.00E-06	7.58E-08	9.49E-06	5.36E-06
2769	490460.04, 3859410.04	0.0609799	2.31E-05	9.06E-06	3.43E-02	1.30E-05	5.10E-06	7.18E-03	2.71E-06	6.87E-08	7.38E-03	2.79E-06	7.06E-08	9.06E-06	5.10E-06
2770	490510.04, 3859410.04	0.0585119	2.21E-05	8.69E-06	3.28E-02	1.24E-05	4.87E-06	6.71E-03	2.54E-06	6.42E-08	6.89E-03	2.61E-06	6.60E-08	8.69E-06	4.88E-06
2771	490560.04, 3859410.04	0.0563409	2.13E-05	8.37E-06	3.15E-02	1.19E-05	4.68E-06	6.29E-03	2.38E-06	6.02E-08	6.46E-03	2.44E-06	6.18E-08	8.37E-06	4.68E-06
2772	490610.04, 3859410.04	0.0544228	2.06E-05	8.08E-06	3.03E-02	1.15E-05	4.50E-06	5.92E-03	2.24E-06	5.66E-08	6.06E-03	2.29E-06	5.80E-08	8.08E-06	4.50E-06
2773	490660.04, 3859410.04	0.0526947	1.99E-05	7.83E-06	2.92E-02	1.10E-05	4.34E-06	5.49E-03	2.08E-06	5.26E-08	5.63E-03	2.13E-06	5.38E-08	7.83E-06	4.34E-06
2774	490710.04, 3859410.04	0.051152	1.93E-05	7.60E-06	2.82E-02	1.07E-05	4.19E-06	5.14E-03	1.94E-06	4.92E-08	5.26E-03	1.99E-06	5.03E-08	7.60E-06	4.19E-06
2775	490760.04, 3859410.04	0.0497794	1.88E-05	7.39E-06	2.73E-02	1.03E-05	4.06E-06	4.78E-03	1.81E-06	4.57E-08	4.89E-03	1.85E-06	4.68E-08	7.39E-06	4.06E-06
2776	490810.04, 3859410.04	0.0484904	1.83E-05	7.20E-06	2.66E-02	1.00E-05	3.95E-06	4.59E-03	1.73E-06	4.39E-08	4.69E-03	1.77E-06	4.49E-08	7.20E-06	3.95E-06
2777	490860.04, 3859410.04	0.0472152	1.79E-05	7.01E-06	2.58E-02	9.77E-06	3.84E-06	4.43E-03	1.67E-06	4.24E-08	4.53E-03	1.71E-06	4.33E-08	7.01E-06	3.84E-06
2778	490360.04, 3859460.04	0.0736373	2.78E-05	1.09E-05	4.22E-02	1.60E-05	6.27E-06	9.88E-03	3.74E-06	9.46E-08	1.02E-02	3.87E-06	9.80E-08	1.09E-05	6.28E-06
2779	490410.04, 3859460.04	0.0691291	2.61E-05	1.03E-05	3.95E-02	1.49E-05	5.87E-06	9.05E-03	3.42E-06	8.66E-08	9.36E-03	3.54E-06	8.95E-08	1.03E-05	5.87E-06
2780	490460.04, 3859460.04	0.065473	2.48E-05	9.72E-06	3.73E-02	1.41E-05	5.54E-06	8.39E-03	3.17E-06	8.02E-08	8.66E-03	3.28E-06	8.29E-08	9.73E-06	5.54E-06
2781	490510.04, 3859460.04	0.0623523	2.36E-05	9.26E-06	3.54E-02	1.34E-05	5.26E-06	7.79E-03	2.95E-06	7.45E-08	8.04E-03	3.04E-06	7.69E-08	9.26E-06	5.26E-06
2782	490560.04, 3859460.04	0.0596615	2.26E-05	8.86E-06	3.37E-02	1.28E-05	5.01E-06	7.27E-03	2.75E-06	6.96E-08	7.50E-03	2.84E-06	7.17E-08	8.86E-06	5.01E-06
2783	490610.04, 3859460.04	0.0573024	2.17E-05	8.51E-06	3.23E-02	1.22E-05	4.79E-06	6.78E-03	2.56E-06	6.48E-08	6.98E-03	2.64E-06	6.68E-08	8.51E-06	4.79E-06
2784	490660.04, 3859460.04	0.0552052	2.09E-05	8.20E-06	3.09E-02	1.17E-05	4.60E-06	6.31E-03	2.39E-06	6.04E-08	6.50E-03	2.46E-06	6.21E-08	8.20E-06	4.60E-06
2785	490710.04, 3859460.04	0.0533004	2.02E-05	7.92E-06	2.98E-02	1.13E-05	4.42E-06	5.93E-03	2.24E-06	5.67E-08	6.10E-03	2.31E-06	5.83E-08	7.92E-06	4.42E-06
2786	490760.04, 3859460.04	0.0516483	1.95E-05	7.67E-06	2.87E-02	1.09E-05	4.27E-06	5.56E-03	2.10E-06	5.32E-08	5.71E-03	2.16E-06	5.47E-08	7.67E-06	4.27E-06
2787	490810.04, 3859460.04	0.0501201	1.89E-05	7.44E-06	2.78E-02	1.05E-05	4.12E-06	5.23E-03	1.98E-06	5.00E-08	5.37E-03	2.03E-06	5.14E-08	7.45E-06	4.13E-06
2788	490860.04, 3859460.04	0.0486794	1.84E-05	7.23E-06	2.69E-02	1.02E-05	4.00E-06	5.00E-03	1.89E-06	4.78E-08	5.14E-03	1.94E-06	4.91E-08	7.23E-06	4.00E-06
2789	490360.04, 3859510.04	0.0852811	3.22E-05	1.27E-05	4.95E-02	1.87E-05	7.35E-06	1.23E-02	4.67E-06	1.18E-07	1.28E-02	4.85E-06	1.23E-07	1.27E-05	7.35E-06
2790	490410.04, 3859510.04	0.0784888	2.97E-05	1.17E-05	4.54E-02	1.72E-05	6.75E-06	1.12E-02	4.22E-06	1.07E-07	1.16E-02	4.39E-06	1.11E-07	1.17E-05	6.75E-06
2791	490460.04, 3859510.04	0.0730084	2.76E-05	1.08E-05	4.21E-02	1.59E-05	6.25E-06	1.01E-02	3.84E-06	9.71E-08	1.05E-02	3.98E-06	1.01E-07	1.08E-05	6.26E-06
2792	490510.04, 3859510.04	0.0685331	2.59E-05	1.02E-05	3.94E-02	1.49E-05	5.85E-06	9.32E-03	3.52E-06	8.92E-08	9.67E-03	3.66E-06	9.25E-08	1.02E-05	5.85E-06
2793	490560.04, 3859510.04	0.0647846	2.45E-05	9.62E-06	3.71E-02	1.40E-05	5.51E-06	8.61E-03	3.25E-06	8.23E-08	8.93E-03	3.37E-06	8.54E-08	9.63E-06	5.51E-06
2794	490610.04, 3859510.04	0.061574	2.33E-05	9.15E-06	3.51E-02	1.33E-05	5.21E-06	7.95E-03	3.01E-06	7.61E-08	8.24E-03	3.12E-06	7.88E-08	9.15E-06	5.22E-06
2795	490660.04, 3859510.04	0.0588234	2.22E-05	8.74E-06	3.34E-02	1.26E-05	4.96E-06	7.38E-03	2.79E-06	7.06E-08	7.64E-03	2.89E-06	7.31E-08	8.74E-06	4.96E-06
2796	490710.04, 3859510.04	0.0564075	2.13E-05	8.38E-06	3.19E-02	1.21E-05	4.74E-06	6.86E-03	2.59E-06	6.56E-08	7.09E-03	2.68E-06	6.79E-08	8.38E-06	4.74E-06
2797	490760.04, 3859510.04	0.05429	2.05E-05	8.06E-06	3.06E-02	1.16E-05	4.54E-06	6.41E-03	2.42E-06	6.13E-08	6.62E-03	2.50E-06	6.33E-08	8.07E-06	4.54E-06
2798	490810.04, 3859510.04	0.0523879	1.98E-05	7.78E-06	2.94E-02	1.11E-05	4.37E-06	6.03E-03	2.28E-06	5.77E-08	6.23E-03	2.36E-06	5.96E-08	7.78E-06	4.37E-06
2799	490860.04, 3859510.04	0.0506754	1.92E-05	7.53E-06	2.83E-02	1.07E-05	4.21E-06	5.68E-03	2.15E-06	5.43E-08	5.86E-03	2.21E-06	5.60E-08	7.53E-06	4.21E-06
2800	490360.04, 3859560.04	0.1136611	4.30E-05	1.69E-05	6.59E-02	2.49E-05	9.79E-06	1.64E-02	6.20E-06	1.57E-07	1.71E-02	6.48E-06	1.64E-07	1.69E-05	9.80E-06
2801	490410.04, 3859560.04	0.0984551	3.72E-05	1.46E-05	5.73E-02	2.17E-05	8.51E-06	1.45E-02	5.49E-06	1.39E-07	1.52E-02	5.74E-06	1.45E-07	1.46E-05	8.52E-06
2802	490460.04, 3859560.04	0.087426	3.31E-05	1.30E-05	5.09E-02	1.93E-05	7.56E-06	1.30E-02	4.90E-06	1.24E-07	1.36E-02	5.13E-06	1.30E-07	1.30E-05	7.57E-06
2803	490510.04, 3859560.04	0.0792533	3.00E-05	1.18E-05	4.61E-02	1.74E-05	6.84E-06	1.16E-02	4.38E-06	1.11E-07	1.21E-02	4.57E-06	1.16E-07	1.18E-05	6.85E-06
2804	490560.04, 3859560.04	0.0731226	2.76E-05	1.09E-05	4.24E-02	1.60E-05	6.30E-06	1.06E-02	3.99E-06	1.01E-07	1.10E-02	4.16E-06	1.05E-07	1.09E-05	6.30E-06
2805	490610.04, 3859560.04	0.0682191	2.58E-05	1.01E-05	3.94E-02	1.49E-05	5.86E-06	9.63E-03	3.64E-06	9.21E-08	1.00E-02	3.80E-06	9.60E-08	1.01E-05	5.86E-06
2806	490660.04, 3859560.04	0.0642078	2.43E-05	9.54E-06	3.70E-02	1.40E-05	5.49E-06	8.84E-03	3.34E-06	8.45E-08	9.21E-03	3.48E-06	8.81E-08	9.54E-06	5.49E-06
2807	490710.04, 3859560.04	0.0608498	2.30E-05	9.04E-06	3.49E-02	1.32E-05	5.18E-06	8.13E-03	3.08E-06	7.78E-08	8.47E-03	3.20E-06	8.10E-08	9.04E-06	5.18E-06
2808	490760.04, 3859560.04	0.0579713	2.19E-05	8.61E-06	3.30E-02	1.25E-05	4.91E-06	7.47E-03	2.83E-06	7.15E-08	7.77E-03	2.94E-06	7.43E-08	8.61E-06	4.91E-06
2809	490810.04, 3859560.04	0.0555096	2.10E-05	8.24E-06	3.15E-02	1.19E-05	4.68E-06	6.94E-03	2.63E-06	6.64E-08	7.21E-03	2.73E-06	6.90E-08	8.25E-06	4.68E-06
2810	490860.04, 3859560.04	0.053363	2.02E-05	7.93E-06	3.01E-02	1.14E-05	4.48E-06	6.47E-03	2.45E-06	6.19E-08	6.71E-03	2.54E-06	6.42E-08	7.93E-06	4.48E-06
2811	490187.25, 3859422.08	0.0899402	3.40E-05	1.34E-05	5.14E-02	1.94E-05	7.63E-06	1.18E-02	4.46E-06	1.13E-07	1.23E-02	4.64E-06	1.17E-07	1.34E-05	7.64E-06
2812	490237.25, 3859422.08	0.0819057	3.10E-05	1.22E-05	4.68E-02	1.77E-05	6.95E-06	1.07E-02	4.04E-06	1.02E-07	1.11E-02	4.19E-06	1.06E-07	1.22E-05	6.95E-06
2813	490287.25, 3859422.08	0.0755157	2.86E-05	1.12E-05	4.30E-02	1.63E-05	6.39E-06	9.74E-03	3.68E-06	9.32E-08	1.01E-02	3.81E-06	9.65E-08	1.12E-05	6.40E-06
2814	490337.25, 3859422.08	0.0704737	2.66E-05	1.05E-05	4.01E-02	1.51E-05	5.95E-06	8.92E-03	3.37E-06	8.53E-08	9.21E-03	3.48E-06	8.81E-08	1.05E-05	5.95E-06
2815	490187.25, 3859472.08	0.1124182	4.25E-05	1.67E-05	6.43E-02	2.43E-05	9.55E-06	1.48E-02	5.61E-06	1.42E-07	1.55E-02	5.85E-06	1.48E-07	1.67E-05	9.56E-06
2816	490237.25, 3859472.08	0.0959998	3.63E-05	1.43E-05	5.53E-02	2.09E-05	8.21E-06	1.32E-02	5.01E-06	1.27E-07	1.38E-02	5.21E-06	1.32E-07	1.43E-05	8.22E-06

2817	490287.25, 3859472.08	0.0853799	3.23E-05	1.27E-05	4.92E-02	1.86E-05	7.31E-06	1.19E-02	4.50E-06	1.14E-07	1.24E-02	4.67E-06	1.18E-07	1.27E-05	7.32E-06
2818	490337.25, 3859472.08	0.0782898	2.96E-05	1.16E-05	4.51E-02	1.70E-05	6.70E-06	1.08E-02	4.09E-06	1.03E-07	1.12E-02	4.24E-06	1.07E-07	1.16E-05	6.70E-06
2819	490297.07, 3859500.42	0.0920945	3.48E-05	1.37E-05	5.35E-02	2.02E-05	7.94E-06	1.34E-02	5.06E-06	1.28E-07	1.39E-02	5.26E-06	1.33E-07	1.37E-05	7.95E-06
2820	490327.07, 3859500.42	0.08705	3.29E-05	1.29E-05	5.05E-02	1.91E-05	7.50E-06	1.26E-02	4.77E-06	1.21E-07	1.31E-02	4.96E-06	1.25E-07	1.29E-05	7.51E-06
2821	490297.07, 3859530.42	0.1090302	4.12E-05	1.62E-05	6.33E-02	2.39E-05	9.41E-06	1.59E-02	6.02E-06	1.52E-07	1.66E-02	6.27E-06	1.59E-07	1.62E-05	9.41E-06
2822	490327.07, 3859530.42	0.1014157	3.83E-05	1.51E-05	5.89E-02	2.23E-05	8.75E-06	1.48E-02	5.60E-06	1.42E-07	1.54E-02	5.83E-06	1.48E-07	1.51E-05	8.76E-06
2823	490319.73, 3859055.34	0.0514947	1.95E-05	7.65E-06	2.79E-02	1.05E-05	4.14E-06	4.32E-03	1.63E-06	4.13E-08	4.31E-03	1.63E-06	4.12E-08	7.65E-06	4.14E-06
2824	490319.73, 3859105.34	0.0527274	1.99E-05	7.83E-06	2.86E-02	1.08E-05	4.25E-06	4.60E-03	1.74E-06	4.40E-08	4.60E-03	1.74E-06	4.40E-08	7.83E-06	4.25E-06
2825	490069.73, 3859155.34	0.0637546	2.41E-05	9.47E-06	3.52E-02	1.33E-05	5.23E-06	6.52E-03	2.46E-06	6.24E-08	6.58E-03	2.49E-06	6.30E-08	9.47E-06	5.23E-06
2826	490119.73, 3859155.34	0.0613819	2.32E-05	9.12E-06	3.38E-02	1.28E-05	5.03E-06	6.15E-03	2.33E-06	5.89E-08	6.21E-03	2.35E-06	5.94E-08	9.12E-06	5.03E-06
2827	490269.73, 3859155.34	0.0556694	2.10E-05	8.27E-06	3.05E-02	1.15E-05	4.53E-06	5.27E-03	1.99E-06	5.04E-08	5.30E-03	2.00E-06	5.07E-08	8.27E-06	4.53E-06
2828	490319.73, 3859155.34	0.0541494	2.05E-05	8.04E-06	2.96E-02	1.12E-05	4.39E-06	4.96E-03	1.87E-06	4.74E-08	4.99E-03	1.89E-06	4.77E-08	8.04E-06	4.39E-06
2829	490069.73, 3859205.34	0.0670443	2.53E-05	9.96E-06	3.74E-02	1.41E-05	5.55E-06	7.33E-03	2.77E-06	7.01E-08	7.45E-03	2.82E-06	7.13E-08	9.96E-06	5.55E-06
2830	490119.73, 3859205.34	0.0641775	2.43E-05	9.53E-06	3.57E-02	1.35E-05	5.30E-06	6.91E-03	2.61E-06	6.61E-08	7.02E-03	2.65E-06	6.71E-08	9.53E-06	5.30E-06
2831	490169.73, 3859205.34	0.0617293	2.33E-05	9.17E-06	3.42E-02	1.29E-05	5.09E-06	6.51E-03	2.46E-06	6.23E-08	6.60E-03	2.50E-06	6.31E-08	9.17E-06	5.09E-06
2832	490219.73, 3859205.34	0.0595735	2.25E-05	8.85E-06	3.29E-02	1.24E-05	4.89E-06	6.09E-03	2.30E-06	5.83E-08	6.17E-03	2.33E-06	5.90E-08	8.85E-06	4.89E-06
2833	490269.73, 3859205.34	0.0576718	2.18E-05	8.57E-06	3.17E-02	1.20E-05	4.71E-06	5.68E-03	2.15E-06	5.44E-08	5.75E-03	2.17E-06	5.50E-08	8.57E-06	4.72E-06
2834	490319.73, 3859205.34	0.0559039	2.11E-05	8.30E-06	3.07E-02	1.16E-05	4.56E-06	5.37E-03	2.03E-06	5.14E-08	5.43E-03	2.05E-06	5.19E-08	8.30E-06	4.56E-06
2835	490069.73, 3859255.34	0.0713371	2.70E-05	1.06E-05	4.01E-02	1.52E-05	5.95E-06	8.31E-03	3.14E-06	7.95E-08	8.50E-03	3.22E-06	8.13E-08	1.06E-05	5.96E-06
2836	490119.73, 3859255.34	0.067878	2.57E-05	1.01E-05	3.81E-02	1.44E-05	5.65E-06	7.77E-03	2.94E-06	7.43E-08	7.93E-03	3.00E-06	7.59E-08	1.01E-05	5.65E-06
2837	490169.73, 3859255.34	0.0649366	2.46E-05	9.65E-06	3.63E-02	1.37E-05	5.39E-06	7.26E-03	2.75E-06	6.95E-08	7.41E-03	2.80E-06	7.09E-08	9.65E-06	5.39E-06
2838	490219.73, 3859255.34	0.0623885	2.36E-05	9.27E-06	3.47E-02	1.31E-05	5.16E-06	6.76E-03	2.56E-06	6.47E-08	6.88E-03	2.60E-06	6.59E-08	9.27E-06	5.16E-06
2839	490269.73, 3859255.34	0.0601122	2.27E-05	8.93E-06	3.33E-02	1.26E-05	4.95E-06	6.30E-03	2.38E-06	6.03E-08	6.41E-03	2.42E-06	6.13E-08	8.93E-06	4.95E-06
2840	490319.73, 3859255.34	0.058061	2.20E-05	8.62E-06	3.21E-02	1.21E-05	4.76E-06	5.91E-03	2.24E-06	5.66E-08	6.01E-03	2.27E-06	5.75E-08	8.62E-06	4.77E-06
2841	490069.73, 3859305.34	0.0777475	2.94E-05	1.15E-05	4.41E-02	1.67E-05	6.54E-06	9.62E-03	3.64E-06	9.20E-08	9.92E-03	3.75E-06	9.49E-08	1.16E-05	6.55E-06
2842	490119.73, 3859305.34	0.0732366	2.77E-05	1.09E-05	4.14E-02	1.56E-05	6.15E-06	8.90E-03	3.36E-06	8.51E-08	9.16E-03	3.46E-06	8.76E-08	1.09E-05	6.15E-06
2843	490169.73, 3859305.34	0.0694741	2.63E-05	1.03E-05	3.91E-02	1.48E-05	5.81E-06	8.24E-03	3.12E-06	7.89E-08	8.47E-03	3.20E-06	8.10E-08	1.03E-05	5.82E-06
2844	490219.73, 3859305.34	0.0662525	2.50E-05	9.84E-06	3.72E-02	1.41E-05	5.52E-06	7.64E-03	2.89E-06	7.31E-08	7.83E-03	2.96E-06	7.49E-08	9.84E-06	5.52E-06
2845	490269.73, 3859305.34	0.0634001	2.40E-05	9.42E-06	3.54E-02	1.34E-05	5.26E-06	7.09E-03	2.68E-06	6.78E-08	7.25E-03	2.74E-06	6.94E-08	9.42E-06	5.27E-06
2846	490319.73, 3859305.34	0.060899	2.30E-05	9.05E-06	3.39E-02	1.28E-05	5.03E-06	6.58E-03	2.49E-06	6.29E-08	6.72E-03	2.54E-06	6.43E-08	9.05E-06	5.03E-06
2847	490069.73, 3859355.34	0.0889849	3.36E-05	1.32E-05	5.07E-02	1.92E-05	7.54E-06	1.15E-02	4.35E-06	1.10E-07	1.19E-02	4.51E-06	1.14E-07	1.32E-05	7.54E-06
2848	490119.73, 3859355.34	0.0819101	3.10E-05	1.22E-05	4.66E-02	1.76E-05	6.93E-06	1.05E-02	3.96E-06	1.00E-07	1.09E-02	4.10E-06	1.04E-07	1.22E-05	6.93E-06
2849	490169.73, 3859355.34	0.0763892	2.89E-05	1.13E-05	4.34E-02	1.64E-05	6.44E-06	9.59E-03	3.63E-06	9.17E-08	9.91E-03	3.75E-06	9.48E-08	1.13E-05	6.45E-06
2850	490219.73, 3859355.34	0.0718816	2.72E-05	1.07E-05	4.07E-02	1.54E-05	6.04E-06	8.79E-03	3.32E-06	8.40E-08	9.06E-03	3.42E-06	8.66E-08	1.07E-05	6.04E-06
2851	490269.73, 3859355.34	0.0680248	2.57E-05	1.01E-05	3.83E-02	1.45E-05	5.70E-06	8.11E-03	3.07E-06	7.76E-08	8.35E-03	3.16E-06	7.98E-08	1.01E-05	5.70E-06
2852	490319.73, 3859355.34	0.0646965	2.45E-05	9.61E-06	3.63E-02	1.37E-05	5.40E-06	7.49E-03	2.83E-06	7.16E-08	7.69E-03	2.91E-06	7.36E-08	9.61E-06	5.40E-06
2853	490069.73, 3859405.34	0.1107963	4.19E-05	1.65E-05	6.31E-02	2.39E-05	9.38E-06	1.43E-02	5.39E-06	1.36E-07	1.49E-02	5.63E-06	1.43E-07	1.65E-05	9.38E-06
2854	490119.73, 3859405.34	0.0973089	3.68E-05	1.45E-05	5.56E-02	2.10E-05	8.25E-06	1.27E-02	4.81E-06	1.22E-07	1.32E-02	5.01E-06	1.27E-07	1.45E-05	8.26E-06
2855	490169.73, 3859405.34	0.0877205	3.32E-05	1.30E-05	5.01E-02	1.89E-05	7.44E-06	1.14E-02	4.32E-06	1.09E-07	1.19E-02	4.49E-06	1.14E-07	1.30E-05	7.44E-06
2856	490219.73, 3859405.34	0.0805466	3.05E-05	1.20E-05	4.59E-02	1.74E-05	6.82E-06	1.04E-02	3.93E-06	9.93E-08	1.08E-02	4.07E-06	1.03E-07	1.20E-05	6.82E-06
2857	490269.73, 3859405.34	0.0746909	2.82E-05	1.11E-05	4.25E-02	1.61E-05	6.31E-06	9.46E-03	3.58E-06	9.05E-08	9.78E-03	3.70E-06	9.36E-08	1.11E-05	6.31E-06
2858	490319.73, 3859405.34	0.0699093	2.64E-05	1.04E-05	3.96E-02	1.50E-05	5.89E-06	8.67E-03	3.28E-06	8.29E-08	8.95E-03	3.38E-06	8.56E-08	1.04E-05	5.89E-06
2859	490161.89, 3859541.83	0.1371894	5.19E-05	2.04E-05	8.35E-02	3.16E-05	1.24E-05	2.59E-02	9.81E-06	2.48E-07	2.70E-02	1.02E-05	2.59E-07	2.04E-05	1.24E-05
2860	490171.89, 3859541.83	0.1351795	5.11E-05	2.01E-05	8.20E-02	3.10E-05	1.22E-05	2.50E-02	9.46E-06	2.39E-07	2.61E-02	9.86E-06	2.50E-07	2.01E-05	1.22E-05
2861	490161.89, 3859551.83	0.1395192	5.27E-05	2.07E-05	8.64E-02	3.27E-05	1.28E-05	2.87E-02	1.08E-05	2.74E-07	2.99E-02	1.13E-05	2.86E-07	2.07E-05	1.28E-05
2862	490171.89, 3859551.83	0.1374728	5.20E-05	2.04E-05	8.47E-02	3.20E-05	1.26E-05	2.76E-02	1.04E-05	2.64E-07	2.87E-02	1.09E-05	2.75E-07	2.04E-05	1.26E-05
2863	489799.72, 3859348.21	0.1460716	5.52E-05	2.17E-05	8.68E-02	3.28E-05	1.29E-05	2.43E-02	9.20E-06	2.33E-07	2.58E-02	9.76E-06	2.47E-07	2.17E-05	1.29E-05
2864	489819.72, 3859348.21	0.1419474	5.37E-05	2.11E-05	8.35E-02	3.16E-05	1.24E-05	2.24E-02	8.46E-06	2.14E-07	2.37E-02	8.96E-06	2.27E-07	2.11E-05	1.24E-05
2865	489799.72, 3859368.21	0.1571506	5.94E-05	2.33E-05	9.52E-02	3.60E-05	1.41E-05	2.89E-02	1.09E-05	2.77E-07	3.09E-02	1.17E-05	2.95E-07	2.34E-05	1.42E-05
2866	489819.72, 3859368.21	0.1529294	5.78E-05	2.27E-05	9.14E-02	3.45E-05	1.36E-05	2.62E-02	9.92E-06	2.51E-07	2.79E-02	1.05E-05	2.67E-07	2.27E-05	1.36E-05
2867	489775.41, 3859329.72	0.1460009	5.52E-05	2.17E-05	8.62E-02	3.26E-05	1.28E-05	2.34E-02	8.85E-06	2.24E-07	2.48E-02	9.37E-06	2.37E-07	2.17E-05	1.28E-05
2868	489795.41, 3859329.72	0.14081	5.32E-05	2.09E-05	8.25E-02	3.12E-05	1.22E-05	2.16E-02	8.16E-06	2.06E-07	2.28E-02	8.62E-06	2.18E-07	2.09E-05	1.23E-05
2869	489775.41, 3859349.72	0.1527585	5.78E-05	2.27E-05	9.22E-02	3.48E-05	1.37E-05	2.76E-02	1.04E-05	2.64E-07	2.94E-02	1.11E-05	2.81E-07	2.27E-05	1.37E-05
2870	489795.41, 3859349.72	0.1478616	5.59E-05	2.20E-05	8.82E-02	3.33E-05	1.31E-05	2.51E-02	9.49E-06	2.40E-07	2.67E-02	1.01E-05	2.55E-07	2.20E-05	1.31E-05
2871	489595.05, 3859219.43	0.1467869	5.55E-05	2.18E-05	8.53E-02	3.23E-05	1.27E-05	2.15E-02	8.14E-06	2.06E-07	2.27E-02	8.60E-06	2.18E-07	2.18E-05	1.27E-05
2872	489615.05, 3859219.43	0.1421127	5.37E-05	2.11E-05	8.20E-02	3.10E-05	1.22E-05	1.99E-02	7.54E-06	1.91E-07	2.10E-02	7.93E-06	2.01E-07	2.11E-05	1.22E-05
2873	489595.05, 3859239.43	0.1549089	5.86E-05	2.30E-05	9.16E-02	3.46E-05	1.36E-05	2.51E-02	9.49E-06	2.40E-07	2.66E-02	1.01E-05	2.55E-07	2.30E-05	1.36E-05
2874	489615.05, 3859239.43	0.1507144	5.70E-05	2.24E-05	8.82E-02	3.33E-05	1.31E-05	2.30E-02	8.69E-06	2.20E-07	2.43E-02	9.18E-06	2.32E-07	2.24E-05	1.31E-05
2875	489372.4, 3859092.58	0.138459	5.23E-05	2.06E-05	8.09E-02	3.06E-05	1.20E-05	2.09E-02	7.90E-06	2.00E-07	2.28E-02	8.61E-06	2.18E-07	2.06E-05	1.20E-05
2876	489422.4, 3859092.58	0.1326642	5.02E-05	1.97E-05	7.59E-02	2.87E-05	1.13E-05	1.76E-02	6.64E-06	1.68E-07	1.88E-02	7.10E-06	1.80E-07	1.97E-05	1.13E-05
2877	489372.4, 3859142.58	0.1625862	6.15E-05	2.41E-05	9.95E-02	3.76E-05	1.48E-05	3.16E-02	1.20E-05	3.02E-07	3.56E-02	1.35E-05	3.40E-07	2.42E-05	1.48E-05
2878	489422.4, 3859142.58	0.1527734	5.78E-05	2.27E-05	9.03E-02	3.41E-05	1.34E-05	2.47E-02	9.35E-06	2.37E-07	2.70E-02	1.02E-05	2.59E-07	2.27E-05	1.34E-05
2879	488870.84, 3858666.64	0.1463286	5.53E-05	2.17E-05	7.78E-02	2.94E-05	1.16E-05	1.02E-02	3.87E-06	9.80E-08	1.39E-02	5.25E-06	1.33E-07	2.18E-05	1.16E-05
2880	488900.84, 3858666.64	0.1364626	5.16E-05	2.03E-05	7.27E-02	2.75E-05	1.08E-05	9.71E-03	3.67E-06	9.29E-08	1.27E-02	4.80E-06	1.21E-07	2.03E-05	1.08E-05
2881	488870.84, 3858696.64	0.141709	5.36E-05	2.10E-05	7.63E-02	2.89E-05	1.13E-05	1.14E-02	4.31E-06	1.09E-07	1.58E-02	5.96E-06	1.51E-07	2.11E-05	1.14E-05
2882	488900.84, 3858696.64	0.1323128	5.00E-05	1.97E-05	7.13E-02	2.70E-05	1.06E-05	1.07E-02	4.06E-06	1.03E-07	1.43E-02	5.40E-06	1.37E-07	1.97E-05	1.06E-05
2883	488889.67, 3858683.97	0.136762	5.17E-05	2.03E-05	7.33E-02	2.77E-05	1.09E-05	1.05E-02	3.97E-06	1.00E-07	1.40E-02	5.30E-06	1.34E-07	2.03E-05	1.09E-05
2884	488919.67, 3858683.97	0.1293253	4.89E-05	1.92E-05	6.94E-02	2.62E-05	1.03E-05	9.93E-03	3.75E-06	9.50E-08	1.28E-02	4.85E-06	1.23E-07	1.92E-05	1.03E-05
2885	488889.67, 3858713.97	0.1346075	5.09E-05	2.00E-05	7.31E-02	2.76E-05	1.09E-05	1.17E-02	4.43E-06	1.12E-07	1.60E-02	6.06E-06	1.53E-07	2.00E-05	1.09E-05
2886	488919.67, 3858713.97	0.126924	4.80E-05	1.89E-05	6.89E-02	2.60E-05	1.02E-05	1.10E-02	4.16E-06	1.05E-07	1.45E-02	5.49E-06	1.39E-07	1.89E-05	1.03E-05
2887	488906.61, 3858703.33	0.1303727	4.93E-05	1.94E-05	7.05E-02	2.66E-05	1.05E-05	1.09E-02	4.11E-06	1.04E-07	1.44E-02	5.45E-06	1.38E-07	1.94E-05	1.05E-05
2888	488936.61, 3858703.33	0.1242995	4.70E-05	1.85E-05	6.71E-02	2.54E-05	9.97E-06	1.03E-02	3.88E-06	9.82E-08	1.32E-02	4.98E-06	1.26E-07	1.85E-05	1.00E-05
2889	488906.61, 3858733.33	0.1301721	4.92E-05	1.93E-05	7.12E-02	2.69E-05	1.06E-05	1.22E-02	4.60E-06	1.16E-07	1.66E-02	6.28E-06	1.59E-07	1.94E-05	1.06E-05
2890	488936.61, 3858733.33	0.1234919	4.67E-05	1.83E-05	6.75E-02	2.55E-05	1.00E-05	1.14E-02	4.32E-06	1.09E-07	1.50E-02	5.67E-06	1.44E-07	1.84E-05	1.01E-05
2891	488637.63, 3858467.85	0.157457	5.95E-05	2.34E-05	8.20E-02	3.10E-05	1.22E-05	8.29E-03	3.13E-06	7.93E-08	1.45E-02	5.48E-06	1.39E-07	2.34E-05	1.22E-05
2892	488662.63, 3858467.85	0.148587	5.62E-05	2.21E-05	7.75E-02	2.93E-05	1.15E-05	8.00E-03	3.02E-06	7.65E-08	1.33E-02	5.04E-06	1.27E-07	2.21E-05	1.16E-05
2893	488637.63, 3858492.85	0.1552243	5.87E-05	2.31E-05	8.13E-02	3.07E-05	1.21E-05	8.89E-03	3.36E-06	8.50E-08	1.60E-02	6.06E-06	1.53E-07	2.31E-05	1.21E-05
2894	488662.63, 3858492.85	0.1482784	5.61E-05	2.20E-05	7.77E-02	2.94E-05	1.15E-05	8.55E-03	3.23E-06	8.18E-08	1.46E-02	5.52E-06	1.40E-07	2.21E-05	1.16E-05
2895	488687.63, 3858492.85	0.1444295	5.46E-05	2.15E-05	7.56E-02	2.86E-05	1.12E-05	8.24E-03	3.11E-06	7.88E-08	1.34E-02	5.07E-06	1.28E-07	2.15E-05	1.13E-05
2896	488637.63, 3858517.85	0.1594618	6.03E-05	2.37E-05	8.38E-02	3.17E-05	1.24E-05	9.60E-03	3.63E-06	9.18E-08	1.79E-02	6.78E-06	1.72E-07	2.38E-05	1.25E-05
2897	488662.63, 3858517.85	0.1536175	5.81E-05	2.28E-05	8.07E-02	3.05E-05	1.20E-05	9.20E-03	3.48E-06	8.80E-08	1.62E-02	6.11E-06	1.55E-07	2.29E-05	1.21E-05
2898	488687.63, 3858517.85	0.1506564	5.70E-05	2.24E-05	7.90E-02	2.99E-05	1.17E-05	8.84E-03	3.34E-06	8.46E-08	1.47E-02	5.56E-06	1.41E-07	2.24E-05	1.18E-05
2899	488194.42, 3857168.98	0.0946515	3.58E-05	1.41E-05	4.75E-02	1.79E-05	7.05E-06	2.17E-03	8.21E-07	2.08E-08	3.53E-03	1.34E-06	3.38E-08	1.41E-05	7.06E-06
2900	488244.42, 3857168.98	0.0872516	3.30E-05	1.30E-05	4.39E-02	1.66E-05	6.51E-06	2.16E-03	8.16E-07	2.06E-08	3.41E-03	1.29E-06	3.26E-08	1.30E-05	6.53E-06
2901	488294.42, 3857168.98	0.081739	3.09E-05	1.21E-05	4.12E-02	1.56E-05	6.11E-06	2.14E-03	8.07E-07	2.04E-08	3.30E-03	1.25E-06	3.15E-08	1.22E-05	6.13E-06
2902	488244.42, 3857218.98	0.0924096	3.49E-05	1.37E-05	4.64E-02	1.75E-05	6.89E-06	2.21E-03	8.37E-07	2.12E-08	3.54E-03	1.34E-06	3.39E-08	1.37E-05	6.91E-06
2903	488294.42, 3857218.98	0.0855343	3.23E-05	1.27E-05	4.30E-02	1.63E-05	6.39E-06	2.19E-03	8.29E-07	2.10E-08	3.42E-03	1.29E-06	3.27E-08	1.27E-05	6.41E-06
2904	488294.42, 3857268.98	0.088532	3.35E-05	1.31E-05	4.46E-02	1.68E-05	6.62E-06	2.26E-03	8.55E-07	2.16E-08	3.55E-03	1.34E-06	3.39E-08	1.32E-05	6.63E-06
2905	488139.13, 3857111.68	0.0944131	3.57E-05	1.40E-05	4.73E-02	1.79E-05	7.03E-06	2.13E-03	8.05E-07	2.04E-08	3.52E-03	1.33E-06	3.37E-08	1.40E-05	7.04E-06
2906	488189.13, 3857111.68	0.0872728	3.30E-05	1.30E-05	4.38E-02	1.66E-05	6.51E-06	2.12E-03	8.01E-07	2.03E-08	3.40E-03	1.28E-06	3.25E-08	1.30E-05	6.53E-06
2907	488189.13, 3857161.68	0.0944439	3.57E-05	1.40E-05	4.74E-02	1.79E-05	7.04E-06	2.17E-03	8.19E-07	2.07E-08	3.53E-03	1.33E-06	3.37E-08	1.40E-05	7.05E-06
2908	487951.04, 3856961.26	0.1030998	3.90E-05	1.53E-05	5.15E-02	1.95E-05	7.65E-06	2.06E-03	7.79E-07	1.97E-08	3.60E-03	1.36E-06	3.44E-08	1.53E-05	7.67E-06
2909	488001.04, 3856961.26	0.0932386	3.53E-05	1.38E-05	4.67E-02	1.77E-05	6.94E-06	2.04E-03	7.71E-07	1.95E-08	3.47E-03	1.31E-06	3.32E-08	1.39E-05	6.95E-06
2910	488051.04, 3856961.26	0.0862681	3.26E-05	1.28E-05	4.33E-02	1.64E-05	6.43E-06	2.01E-03	7.60E-07	1.92E-08	3.35E-03	1.27E-06	3.21E-08	1.28E-05	6.44E-06

2911	488101.04, 3856961.26	0.0805494	3.05E-05	1.20E-05	4.05E-02	1.53E-05	6.02E-06	2.00E-03	7.58E-07	1.92E-08	3.24E-03	1.23E-06	3.10E-08	1.20E-05	6.03E-06
2912	487951.04, 3857011.26	0.1106271	4.18E-05	1.64E-05	5.52E-02	2.09E-05	8.20E-06	2.12E-03	8.01E-07	2.03E-08	3.74E-03	1.42E-06	3.58E-08	1.64E-05	8.22E-06
2913	488001.04, 3857011.26	0.1002948	3.79E-05	1.49E-05	5.02E-02	1.90E-05	7.45E-06	2.09E-03	7.89E-07	2.00E-08	3.61E-03	1.36E-06	3.45E-08	1.49E-05	7.47E-06
2914	488051.04, 3857011.26	0.0920493	3.48E-05	1.37E-05	4.61E-02	1.74E-05	6.85E-06	2.06E-03	7.78E-07	1.97E-08	3.48E-03	1.32E-06	3.33E-08	1.37E-05	6.87E-06
2915	488101.04, 3857011.26	0.0853458	3.23E-05	1.27E-05	4.29E-02	1.62E-05	6.37E-06	2.05E-03	7.75E-07	1.96E-08	3.36E-03	1.27E-06	3.21E-08	1.27E-05	6.38E-06
2916	488001.04, 3857061.26	0.1102569	4.17E-05	1.64E-05	5.51E-02	2.08E-05	8.18E-06	2.14E-03	8.10E-07	2.05E-08	3.75E-03	1.42E-06	3.59E-08	1.64E-05	8.19E-06
2917	488051.04, 3857061.26	0.099809	3.77E-05	1.48E-05	5.00E-02	1.89E-05	7.42E-06	2.12E-03	8.01E-07	2.03E-08	3.61E-03	1.37E-06	3.46E-08	1.48E-05	7.43E-06
2918	488101.04, 3857061.26	0.0916572	3.47E-05	1.36E-05	4.60E-02	1.74E-05	6.83E-06	2.10E-03	7.94E-07	2.01E-08	3.48E-03	1.32E-06	3.33E-08	1.36E-05	6.84E-06
2919	487638.98, 3856673.79	0.0699526	2.64E-05	1.04E-05	3.53E-02	1.33E-05	5.24E-06	1.91E-03	7.21E-07	1.82E-08	3.63E-03	1.37E-06	3.47E-08	1.04E-05	5.26E-06
2920	487688.98, 3856673.79	0.0686971	2.60E-05	1.02E-05	3.47E-02	1.31E-05	5.15E-06	1.89E-03	7.13E-07	1.80E-08	3.50E-03	1.32E-06	3.35E-08	1.02E-05	5.16E-06
2921	487638.98, 3856723.79	0.0740778	2.80E-05	1.10E-05	3.73E-02	1.41E-05	5.54E-06	1.96E-03	7.40E-07	1.87E-08	3.78E-03	1.43E-06	3.61E-08	1.10E-05	5.56E-06
2922	487688.98, 3856723.79	0.0731271	2.76E-05	1.09E-05	3.68E-02	1.39E-05	5.47E-06	1.93E-03	7.31E-07	1.85E-08	3.64E-03	1.37E-06	3.48E-08	1.09E-05	5.49E-06
2923	486324.61, 3855740.57	0.0772182	2.92E-05	1.15E-05	3.87E-02	1.46E-05	5.75E-06	1.69E-03	6.40E-07	1.62E-08	4.50E-03	1.70E-06	4.31E-08	1.15E-05	5.77E-06
2924	486374.61, 3855740.57	0.0754423	2.85E-05	1.12E-05	3.78E-02	1.43E-05	5.61E-06	1.64E-03	6.20E-07	1.57E-08	4.21E-03	1.59E-06	4.02E-08	1.12E-05	5.64E-06
2925	486424.61, 3855740.57	0.0734382	2.78E-05	1.09E-05	3.68E-02	1.39E-05	5.46E-06	1.61E-03	6.08E-07	1.54E-08	4.00E-03	1.51E-06	3.83E-08	1.09E-05	5.49E-06
2926	486324.61, 3855790.57	0.0803457	3.04E-05	1.19E-05	4.02E-02	1.52E-05	5.97E-06	1.73E-03	6.55E-07	1.66E-08	4.75E-03	1.79E-06	4.54E-08	1.20E-05	6.00E-06
2927	486374.61, 3855790.57	0.0782945	2.96E-05	1.16E-05	3.92E-02	1.48E-05	5.82E-06	1.68E-03	6.36E-07	1.61E-08	4.43E-03	1.67E-06	4.24E-08	1.17E-05	5.85E-06
2928	486424.61, 3855790.57	0.0759712	2.87E-05	1.13E-05	3.80E-02	1.44E-05	5.65E-06	1.66E-03	6.26E-07	1.58E-08	4.22E-03	1.60E-06	4.04E-08	1.13E-05	5.68E-06
2929	486324.61, 3855840.57	0.083799	3.17E-05	1.24E-05	4.19E-02	1.59E-05	6.23E-06	1.77E-03	6.70E-07	1.70E-08	5.03E-03	1.90E-06	4.81E-08	1.25E-05	6.26E-06
2930	486374.61, 3855840.57	0.0810696	3.07E-05	1.20E-05	4.06E-02	1.53E-05	6.03E-06	1.74E-03	6.58E-07	1.66E-08	4.75E-03	1.80E-06	4.54E-08	1.21E-05	6.06E-06
2931	486424.61, 3855840.57	0.078693	2.98E-05	1.17E-05	3.94E-02	1.49E-05	5.85E-06	1.70E-03	6.44E-07	1.63E-08	4.48E-03	1.70E-06	4.29E-08	1.17E-05	5.88E-06
2932	486324.61, 3855890.57	0.0871776	3.30E-05	1.29E-05	4.36E-02	1.65E-05	6.48E-06	1.84E-03	6.95E-07	1.76E-08	5.44E-03	2.06E-06	5.21E-08	1.30E-05	6.51E-06
2933	486374.61, 3855890.57	0.0842105	3.18E-05	1.25E-05	4.22E-02	1.59E-05	6.26E-06	1.80E-03	6.81E-07	1.72E-08	5.10E-03	1.93E-06	4.88E-08	1.25E-05	6.29E-06
2934	486424.61, 3855890.57	0.0816112	3.09E-05	1.21E-05	4.09E-02	1.54E-05	6.07E-06	1.76E-03	6.65E-07	1.68E-08	4.79E-03	1.81E-06	4.58E-08	1.22E-05	6.10E-06
2935	488735.69, 3858285.64	0.1331956	5.04E-05	1.98E-05	6.81E-02	2.58E-05	1.01E-05	5.12E-03	1.94E-06	4.90E-08	7.18E-03	2.71E-06	6.87E-08	1.98E-05	1.01E-05
2936	488765.69, 3858285.64	0.1235391	4.67E-05	1.83E-05	6.34E-02	2.40E-05	9.41E-06	5.00E-03	1.89E-06	4.78E-08	6.84E-03	2.59E-06	6.55E-08	1.84E-05	9.43E-06
2937	488735.69, 3858315.64	0.1289119	4.87E-05	1.91E-05	6.62E-02	2.50E-05	9.84E-06	5.38E-03	2.03E-06	5.14E-08	7.59E-03	2.87E-06	7.26E-08	1.92E-05	9.86E-06
2938	488765.69, 3858315.64	0.1206116	4.56E-05	1.79E-05	6.21E-02	2.35E-05	9.22E-06	5.24E-03	1.98E-06	5.01E-08	7.21E-03	2.73E-06	6.90E-08	1.79E-05	9.24E-06
2939	478676.63, 3849871.93	0.0185403	7.01E-06	2.75E-06	1.30E-02	4.90E-06	1.93E-06	6.11E-03	2.31E-06	5.85E-08	6.40E-03	2.42E-06	6.12E-08	2.76E-06	1.93E-06
2940	479326.63, 3849871.93	0.0127877	4.83E-06	1.90E-06	8.59E-03	3.25E-06	1.28E-06	3.66E-03	1.38E-06	3.50E-08	3.83E-03	1.45E-06	3.66E-08	1.90E-06	1.28E-06
2941	479376.63, 3849871.93	0.0125114	4.73E-06	1.86E-06	8.38E-03	3.17E-06	1.24E-06	3.55E-03	1.34E-06	3.39E-08	3.71E-03	1.40E-06	3.55E-08	1.86E-06	1.25E-06
2942	479426.63, 3849871.93	0.0122667	4.64E-06	1.82E-06	8.21E-03	3.10E-06	1.22E-06	3.46E-03	1.31E-06	3.31E-08	3.62E-03	1.37E-06	3.47E-08	1.82E-06	1.22E-06
2943	478726.63, 3849921.93	0.0195338	7.39E-06	2.90E-06	1.37E-02	5.17E-06	2.03E-06	6.44E-03	2.43E-06	6.16E-08	6.73E-03	2.55E-06	6.44E-08	2.90E-06	2.03E-06
2944	478776.63, 3849921.93	0.0187648	7.09E-06	2.79E-06	1.31E-02	4.95E-06	1.94E-06	6.13E-03	2.32E-06	5.86E-08	6.41E-03	2.42E-06	6.13E-08	2.79E-06	1.95E-06
2945	478826.63, 3849921.93	0.0180757	6.83E-06	2.68E-06	1.26E-02	4.75E-06	1.87E-06	5.84E-03	2.21E-06	5.58E-08	6.11E-03	2.31E-06	5.84E-08	2.69E-06	1.87E-06
2946	478976.63, 3849921.93	0.0163799	6.19E-06	2.43E-06	1.13E-02	4.26E-06	1.67E-06	5.12E-03	1.93E-06	4.90E-08	5.35E-03	2.02E-06	5.12E-08	2.44E-06	1.68E-06
2947	479026.63, 3849921.93	0.0158948	6.01E-06	2.36E-06	1.09E-02	4.13E-06	1.62E-06	4.94E-03	1.87E-06	4.72E-08	5.16E-03	1.95E-06	4.94E-08	2.36E-06	1.62E-06
2948	479076.63, 3849921.93	0.01546	5.85E-06	2.30E-06	1.06E-02	4.01E-06	1.57E-06	4.75E-03	1.80E-06	4.55E-08	4.97E-03	1.88E-06	4.75E-08	2.30E-06	1.58E-06
2949	479126.63, 3849921.93	0.0150446	5.69E-06	2.23E-06	1.03E-02	3.89E-06	1.53E-06	4.58E-03	1.73E-06	4.38E-08	4.78E-03	1.81E-06	4.58E-08	2.24E-06	1.53E-06
2950	479176.63, 3849921.93	0.0146453	5.54E-06	2.18E-06	9.98E-03	3.77E-06	1.48E-06	4.42E-03	1.67E-06	4.23E-08	4.62E-03	1.75E-06	4.42E-08	2.18E-06	1.48E-06
2951	479226.63, 3849921.93	0.0142802	5.40E-06	2.12E-06	9.69E-03	3.66E-06	1.44E-06	4.24E-03	1.60E-06	4.05E-08	4.43E-03	1.68E-06	4.24E-08	2.12E-06	1.44E-06
2952	479276.63, 3849921.93	0.0139089	5.26E-06	2.07E-06	9.36E-03	3.54E-06	1.39E-06	4.02E-03	1.52E-06	3.85E-08	4.20E-03	1.59E-06	4.02E-08	2.07E-06	1.39E-06
2953	479326.63, 3849921.93	0.0136046	5.14E-06	2.02E-06	9.19E-03	3.47E-06	1.36E-06	3.97E-03	1.50E-06	3.80E-08	4.15E-03	1.57E-06	3.97E-08	2.02E-06	1.37E-06
2954	479376.63, 3849921.93	0.0132743	5.02E-06	1.97E-06	8.90E-03	3.36E-06	1.32E-06	3.78E-03	1.43E-06	3.61E-08	3.95E-03	1.49E-06	3.78E-08	1.97E-06	1.32E-06
2955	479426.63, 3849921.93	0.0130027	4.92E-06	1.93E-06	8.72E-03	3.30E-06	1.30E-06	3.71E-03	1.40E-06	3.55E-08	3.88E-03	1.47E-06	3.71E-08	1.93E-06	1.30E-06
2956	478726.63, 3849971.93	0.0216074	8.17E-06	3.21E-06	1.51E-02	5.73E-06	2.25E-06	7.17E-03	2.71E-06	6.86E-08	7.50E-03	2.84E-06	7.18E-08	3.21E-06	2.25E-06
2957	478776.63, 3849971.93	0.0206466	7.81E-06	3.07E-06	1.44E-02	5.46E-06	2.14E-06	6.79E-03	2.57E-06	6.49E-08	7.10E-03	2.68E-06	6.79E-08	3.07E-06	2.15E-06
2958	478826.63, 3849971.93	0.019797	7.48E-06	2.94E-06	1.38E-02	5.21E-06	2.05E-06	6.44E-03	2.43E-06	6.16E-08	6.73E-03	2.55E-06	6.44E-08	2.94E-06	2.05E-06
2959	478976.63, 3849971.93	0.0177243	6.70E-06	2.63E-06	1.22E-02	4.63E-06	1.82E-06	5.60E-03	2.12E-06	5.36E-08	5.86E-03	2.21E-06	5.60E-08	2.64E-06	1.82E-06
2960	479026.63, 3849971.93	0.0171718	6.49E-06	2.55E-06	1.18E-02	4.47E-06	1.76E-06	5.36E-03	2.03E-06	5.12E-08	5.60E-03	2.12E-06	5.36E-08	2.55E-06	1.76E-06
2961	479076.63, 3849971.93	0.0166607	6.30E-06	2.47E-06	1.14E-02	4.32E-06	1.70E-06	5.14E-03	1.94E-06	4.91E-08	5.37E-03	2.03E-06	5.13E-08	2.48E-06	1.70E-06
2962	479126.63, 3849971.93	0.0161633	6.11E-06	2.40E-06	1.11E-02	4.18E-06	1.64E-06	4.93E-03	1.87E-06	4.72E-08	5.16E-03	1.95E-06	4.93E-08	2.40E-06	1.64E-06
2963	479176.63, 3849971.93	0.0157033	5.94E-06	2.33E-06	1.07E-02	4.05E-06	1.59E-06	4.75E-03	1.80E-06	4.55E-08	4.97E-03	1.88E-06	4.75E-08	2.33E-06	1.59E-06
2964	479226.63, 3849971.93	0.0152803	5.78E-06	2.27E-06	1.03E-02	3.90E-06	1.53E-06	4.47E-03	1.69E-06	4.28E-08	4.67E-03	1.77E-06	4.47E-08	2.27E-06	1.54E-06
2965	479276.63, 3849971.93	0.0148663	5.62E-06	2.21E-06	1.01E-02	3.80E-06	1.49E-06	4.38E-03	1.66E-06	4.19E-08	4.58E-03	1.73E-06	4.38E-08	2.21E-06	1.50E-06
2966	479326.63, 3849971.93	0.0144776	5.47E-06	2.15E-06	9.81E-03	3.71E-06	1.46E-06	4.28E-03	1.62E-06	4.09E-08	4.47E-03	1.69E-06	4.28E-08	2.15E-06	1.46E-06
2967	479376.63, 3849971.93	0.014147	5.35E-06	2.10E-06	9.51E-03	3.60E-06	1.41E-06	4.07E-03	1.54E-06	3.89E-08	4.25E-03	1.61E-06	4.07E-08	2.10E-06	1.41E-06
2968	479426.63, 3849971.93	0.013828	5.23E-06	2.05E-06	9.28E-03	3.51E-06	1.38E-06	3.96E-03	1.50E-06	3.78E-08	4.14E-03	1.56E-06	3.96E-08	2.06E-06	1.38E-06
2969	478726.63, 3850021.93	0.0242443	9.17E-06	3.60E-06	1.70E-02	6.44E-06	2.53E-06	8.11E-03	3.07E-06	7.76E-08	8.47E-03	3.20E-06	8.11E-08	3.60E-06	2.53E-06
2970	478776.63, 3850021.93	0.023023	8.70E-06	3.42E-06	1.61E-02	6.10E-06	2.39E-06	7.62E-03	2.88E-06	7.29E-08	7.96E-03	3.01E-06	7.61E-08	3.42E-06	2.40E-06
2971	478826.63, 3850021.93	0.0219582	8.30E-06	3.26E-06	1.53E-02	5.79E-06	2.28E-06	7.18E-03	2.72E-06	6.87E-08	7.51E-03	2.84E-06	7.18E-08	3.26E-06	2.28E-06
2972	478976.63, 3850021.93	0.0193864	7.33E-06	2.88E-06	1.34E-02	5.07E-06	1.99E-06	6.14E-03	2.32E-06	5.88E-08	6.42E-03	2.43E-06	6.14E-08	2.88E-06	1.99E-06
2973	478726.63, 3850071.93	0.0277008	1.05E-05	4.11E-06	1.95E-02	7.38E-06	2.90E-06	9.35E-03	3.53E-06	8.94E-08	9.75E-03	3.69E-06	9.32E-08	4.12E-06	2.90E-06
2974	478776.63, 3850071.93	0.0261017	9.87E-06	3.88E-06	1.83E-02	6.92E-06	2.72E-06	8.69E-03	3.29E-06	8.31E-08	9.07E-03	3.43E-06	8.67E-08	3.88E-06	2.72E-06
2975	478826.63, 3850071.93	0.0247217	9.35E-06	3.67E-06	1.73E-02	6.53E-06	2.57E-06	8.12E-03	3.07E-06	7.77E-08	8.48E-03	3.21E-06	8.11E-08	3.68E-06	2.57E-06
2976	478876.63, 3850071.93	0.0235023	8.89E-06	3.49E-06	1.64E-02	6.19E-06	2.43E-06	7.63E-03	2.88E-06	7.30E-08	7.97E-03	3.01E-06	7.62E-08	3.49E-06	2.43E-06
2977	478976.63, 3850071.93	0.0214628	8.11E-06	3.19E-06	1.48E-02	5.61E-06	2.20E-06	6.81E-03	2.57E-06	6.51E-08	7.11E-03	2.69E-06	6.80E-08	3.19E-06	2.21E-06
2978	478726.63, 3850121.93	0.0325243	1.23E-05	4.83E-06	2.30E-02	8.68E-06	3.41E-06	1.10E-02	4.18E-06	1.06E-07	1.15E-02	4.35E-06	1.10E-07	4.84E-06	3.42E-06
2979	478776.63, 3850121.93	0.0303026	1.15E-05	4.50E-06	2.13E-02	8.05E-06	3.16E-06	1.01E-02	3.83E-06	9.70E-08	1.06E-02	3.99E-06	1.01E-07	4.50E-06	3.17E-06
2980	478826.63, 3850121.93	0.0284118	1.07E-05	4.22E-06	1.99E-02	7.52E-06	2.95E-06	9.37E-03	3.54E-06	8.96E-08	9.76E-03	3.69E-06	9.34E-08	4.22E-06	2.96E-06
2981	478876.63, 3850121.93	0.0268086	1.01E-05	3.98E-06	1.87E-02	7.06E-06	2.77E-06	8.71E-03	3.29E-06	8.33E-08	9.08E-03	3.43E-06	8.69E-08	3.99E-06	2.78E-06
2982	478976.63, 3850121.93	0.0241256	9.12E-06	3.58E-06	1.67E-02	6.31E-06	2.48E-06	7.65E-03	2.89E-06	7.32E-08	7.98E-03	3.02E-06	7.63E-08	3.59E-06	2.48E-06
2983	479026.63, 3850121.93	0.0230333	8.71E-06	3.42E-06	1.59E-02	6.00E-06	2.36E-06	7.21E-03	2.73E-06	6.90E-08	7.53E-03	2.85E-06	7.20E-08	3.42E-06	2.36E-06
2984	479076.63, 3850121.93	0.0220606	8.34E-06	3.28E-06	1.51E-02	5.72E-06	2.25E-06	6.82E-03	2.58E-06	6.52E-08	7.12E-03	2.69E-06	6.81E-08	3.28E-06	2.25E-06
2985	479126.63, 3850121.93	0.0211682	8.00E-06	3.14E-06	1.45E-02	5.47E-06	2.15E-06	6.47E-03	2.44E-06	6.19E-08	6.75E-03	2.55E-06	6.45E-08	3.15E-06	2.15E-06
2986	478776.63, 3850171.93	0.0363297	1.37E-05	5.40E-06	2.56E-02	9.66E-06	3.80E-06	1.22E-02	4.61E-06	1.17E-07	1.27E-02	4.79E-06	1.21E-07	5.40E-06	3.80E-06
2987	478826.63, 3850171.93	0.0335682	1.27E-05	4.99E-06	2.35E-02	8.88E-06	3.49E-06	1.11E-02	4.19E-06	1.06E-07	1.15E-02	4.36E-06	1.10E-07	4.99E-06	3.49E-06
2988	478876.63, 3850171.93	0.0312724	1.18E-05	4.64E-06	2.18E-02	8.24E-06	3.24E-06	1.02E-02	3.85E-06	9.73E-08	1.06E-02	4.00E-06	1.01E-07	4.65E-06	3.24E-06
2989	478976.63, 3850171.93	0.0276032	1.04E-05	4.10E-06	1.91E-02	7.21E-06	2.83E-06	8.74E-03	3.30E-06	8.36E-08	9.10E-03	3.44E-06	8.71E-08	4.10E-06	2.84E-06
2990	479026.63, 3850171.93	0.0261393	9.88E-06	3.88E-06	1.80E-02	6.80E-06	2.67E-06	8.17E-03	3.09E-06	7.81E-08	8.51E-03	3.22E-06	8.14E-08	3.89E-06	2.68E-06
2991	479076.63, 3850171.93	0.0248868	9.41E-06	3.70E-06	1.71E-02	6.45E-06	2.53E-06	7.67E-03	2.90E-06	7.34E-08	8.00E-03	3.02E-06	7.65E-08	3.70E-06	2.54E-06
2992	479126.63, 3850171.93	0.023748	8.98E-06	3.53E-06	1.62E-02	6.13E-06	2.41E-06	7.23E-03	2.73E-06	6.92E-08	7.54E-03	2.85E-06	7.21E-08	3.53E-06	2.41E-06
2993	479176.63, 3850171.93	0.0226761	8.57E-06	3.37E-06	1.55E-02	5.84E-06	2.30E-06	6.84E-03	2.59E-06	6.55E-08	7.13E-03	2.70E-06	6.82E-08	3.37E-06	2.30E-06
2994	479226.63, 3850171.93	0.0216963	8.20E-06	3.22E-06	1.48E-02	5.58E-06	2.19E-06	6.51E-03	2.46E-06	6.22E-08	6.79E-03	2.57E-06	6.49E-08	3.23E-06	2.20E-06
2995	479276.63, 3850171.93	0.0208103	7.87E-06	3.09E-06	1.41E-02	5.34E-06	2.10E-06	6.20E-03	2.35E-06	5.93E-08	6.47E-03	2.45E-06	6.19E-08	3.09E-06	2.10E-06
2996	479326.63, 3850171.93	0.0200862	7.59E-06	2.98E-06	1.36E-02	5.14E-06	2.02E-06	5.92E-03	2.24E-06	5.66E-08	6.18E-03	2.34E-06	5.91E-08	2.99E-06	2.02E-06
2997	479376.63, 3850171.93	0.0194205	7.34E-06	2.88E-06	1.31E-02	4.95E-06	1.95E-06	5.65E-03	2.14E-06	5.40E-08	5.89E-03	2.23E-06	5.64E-08	2.89E-06	1.95E-06
2998	478676.63, 3850221.93	0.0597044	2.26E-05	8.87E-06	4.24E-02	1.60E-05	6.30E-06	2.06E-02	7.81E-06	1.97E-07	2.13E-02	8.05E-06	2.04E-07	8.87E-06	6.30E-06
2999	478726.63, 3850221.93	0.0515106	1.95E-05	7.65E-06	3.64E-02	1.38E-05	5.41E-06	1.76E-02	6.65E-06	1.68E-07	1.82E-02	6.88E-06	1.74E-07	7.66E-06	5.42E-06
3000	478976.63, 3850221.93	0.0322616	1.22E-05	4.79E-06	2.23E-02	8.43E-06	3.31E-06	1.02E-02	3.86E-06	9.76E-08	1.06E-02	4.01E-06	1.01E-07	4.80E-06	3.31E-06
3001	479026.63, 3850221.93	0.03025	1.14E-05	4.49E-06	2.08E-02	7.87E-06	3.09E-06	9.42E-03	3.56E-06	9.01E-08	9.81E-03	3.71E-06	9.38E-08	4.50E-06	3.09E-06
3002	479076.63, 3850221.93	0.0285765	1.08E-05	4.24E-06	1.96E-02	7.40E-06	2.91E-06	8.76E-03	3.31E-06	8.38E-08	9.13E-03	3.45E-06	8.73E-08	4.25E-06	2.91E-06
3003	479126.63, 3850221.93	0.0270817	1.02E-05	4.02E-06	1.85E-02	6.98E-06	2.74E-06	8.19E-03	3.10E-06	7.84E-08	8.53E-03	3.23E-06	8.16E-08	4.03E-06	2.75E-06
3004	479176.63, 3850221.93	0.0256813	9.71E-06	3.81E-06	1.75E-02	6.60E-06	2.59E-06	7.69E-03	2.91E-06	7.36E-08	8.02E-03	3.03E-06	7.67E-08	3.82E-06	2.60E-06

3005	479226.63, 3850221.93	0.0244373	9.24E-06	3.63E-06	1.66E-02	6.27E-06	2.46E-06	7.26E-03	2.74E-06	6.94E-08	7.56E-03	2.86E-06	7.23E-08	3.63E-06	2.47E-06
3006	479276.63, 3850221.93	0.0233518	8.83E-06	3.47E-06	1.58E-02	5.97E-06	2.35E-06	6.87E-03	2.60E-06	6.57E-08	7.16E-03	2.71E-06	6.85E-08	3.47E-06	2.35E-06
3007	479326.63, 3850221.93	0.0224691	8.50E-06	3.34E-06	1.51E-02	5.73E-06	2.25E-06	6.53E-03	2.47E-06	6.24E-08	6.80E-03	2.57E-06	6.51E-08	3.34E-06	2.25E-06
3008	479376.63, 3850221.93	0.0216647	8.19E-06	3.22E-06	1.46E-02	5.50E-06	2.16E-06	6.21E-03	2.35E-06	5.94E-08	6.48E-03	2.45E-06	6.19E-08	3.22E-06	2.16E-06
3009	478676.63, 3850271.93	0.0923473	3.49E-05	1.37E-05	6.54E-02	2.47E-05	9.71E-06	3.17E-02	1.20E-05	3.03E-07	3.23E-02	1.22E-05	3.09E-07	1.37E-05	9.72E-06
3010	478726.63, 3850271.93	0.0738672	2.79E-05	1.10E-05	5.22E-02	1.97E-05	7.75E-06	2.51E-02	9.49E-06	2.40E-07	2.58E-02	9.74E-06	2.46E-07	1.10E-05	7.75E-06
3011	478976.63, 3850271.93	0.0388418	1.47E-05	5.77E-06	2.68E-02	1.01E-05	3.99E-06	1.23E-02	4.65E-06	1.18E-07	1.28E-02	4.82E-06	1.22E-07	5.77E-06	3.99E-06
3012	479026.63, 3850271.93	0.0359513	1.36E-05	5.34E-06	2.47E-02	9.34E-06	3.67E-06	1.12E-02	4.22E-06	1.07E-07	1.16E-02	4.38E-06	1.11E-07	5.34E-06	3.67E-06
3013	479076.63, 3850271.93	0.0336145	1.27E-05	4.99E-06	2.30E-02	8.68E-06	3.41E-06	1.02E-02	3.87E-06	9.79E-08	1.06E-02	4.02E-06	1.02E-07	5.00E-06	3.42E-06
3014	479126.63, 3850271.93	0.0315871	1.19E-05	4.69E-06	2.15E-02	8.12E-06	3.19E-06	9.46E-03	3.58E-06	9.05E-08	9.83E-03	3.72E-06	9.41E-08	4.70E-06	3.19E-06
3015	479176.63, 3850271.93	0.0297406	1.12E-05	4.42E-06	2.01E-02	7.62E-06	2.99E-06	8.79E-03	3.32E-06	8.41E-08	9.15E-03	3.46E-06	8.75E-08	4.42E-06	3.00E-06
3016	479226.63, 3850271.93	0.0281193	1.06E-05	4.18E-06	1.90E-02	7.18E-06	2.82E-06	8.21E-03	3.11E-06	7.86E-08	8.55E-03	3.23E-06	8.18E-08	4.18E-06	2.82E-06
3017	479276.63, 3850271.93	0.0267848	1.01E-05	3.98E-06	1.80E-02	6.81E-06	2.68E-06	7.72E-03	2.92E-06	7.38E-08	8.03E-03	3.04E-06	7.69E-08	3.98E-06	2.68E-06
3018	479326.63, 3850271.93	0.0256791	9.71E-06	3.81E-06	1.72E-02	6.50E-06	2.55E-06	7.28E-03	2.75E-06	6.96E-08	7.58E-03	2.87E-06	7.25E-08	3.82E-06	2.56E-06
3019	479376.63, 3850271.93	0.0247157	9.34E-06	3.67E-06	1.65E-02	6.23E-06	2.45E-06	6.88E-03	2.60E-06	6.58E-08	7.17E-03	2.71E-06	6.86E-08	3.67E-06	2.45E-06
3020	479053.24, 3850293.52	0.0376201	1.42E-05	5.59E-06	2.58E-02	9.74E-06	3.82E-06	1.15E-02	4.36E-06	1.10E-07	1.20E-02	4.52E-06	1.14E-07	5.59E-06	3.83E-06
3021	479103.24, 3850293.52	0.035152	1.33E-05	5.22E-06	2.39E-02	9.04E-06	3.55E-06	1.05E-02	3.98E-06	1.01E-07	1.09E-02	4.14E-06	1.05E-07	5.23E-06	3.56E-06
3022	479153.24, 3850293.52	0.0329471	1.25E-05	4.89E-06	2.23E-02	8.43E-06	3.31E-06	9.72E-03	3.67E-06	9.29E-08	1.01E-02	3.82E-06	9.66E-08	4.90E-06	3.32E-06
3023	479203.24, 3850293.52	0.0309853	1.17E-05	4.60E-06	2.09E-02	7.90E-06	3.10E-06	9.01E-03	3.41E-06	8.62E-08	9.37E-03	3.54E-06	8.96E-08	4.61E-06	3.11E-06
3024	479253.24, 3850293.52	0.0293575	1.11E-05	4.36E-06	1.97E-02	7.45E-06	2.93E-06	8.41E-03	3.18E-06	8.04E-08	8.75E-03	3.31E-06	8.37E-08	4.36E-06	2.93E-06
3025	479303.24, 3850293.52	0.0280248	1.06E-05	4.16E-06	1.87E-02	7.08E-06	2.78E-06	7.89E-03	2.98E-06	7.55E-08	8.21E-03	3.10E-06	7.86E-08	4.17E-06	2.79E-06
3026	479353.24, 3850293.52	0.0268853	1.02E-05	3.99E-06	1.79E-02	6.76E-06	2.66E-06	7.43E-03	2.81E-06	7.11E-08	7.73E-03	2.92E-06	7.40E-08	4.00E-06	2.66E-06
3027	479153.24, 3850343.52	0.0406869	1.54E-05	6.04E-06	2.73E-02	1.03E-05	4.05E-06	1.16E-02	4.38E-06	1.11E-07	1.20E-02	4.54E-06	1.15E-07	6.05E-06	4.06E-06
3028	479203.24, 3850343.52	0.038028	1.44E-05	5.65E-06	2.53E-02	9.58E-06	3.76E-06	1.06E-02	4.00E-06	1.01E-07	1.10E-02	4.15E-06	1.05E-07	5.65E-06	3.77E-06
3029	479253.24, 3850343.52	0.0359182	1.36E-05	5.34E-06	2.38E-02	8.99E-06	3.53E-06	9.76E-03	3.69E-06	9.34E-08	1.01E-02	3.83E-06	9.70E-08	5.34E-06	3.54E-06
3030	479303.24, 3850343.52	0.0340711	1.29E-05	5.06E-06	2.24E-02	8.48E-06	3.33E-06	9.06E-03	3.43E-06	8.67E-08	9.42E-03	3.56E-06	9.01E-08	5.06E-06	3.34E-06
3031	479353.24, 3850343.52	0.0323907	1.22E-05	4.81E-06	2.12E-02	8.02E-06	3.15E-06	8.45E-03	3.19E-06	8.08E-08	8.78E-03	3.32E-06	8.40E-08	4.81E-06	3.16E-06
3032	479203.24, 3850393.52	0.0536691	2.03E-05	7.97E-06	3.44E-02	1.30E-05	5.11E-06	1.29E-02	4.87E-06	1.23E-07	1.33E-02	5.04E-06	1.28E-07	7.98E-06	5.12E-06
3033	479253.24, 3850393.52	0.0490267	1.85E-05	7.28E-06	3.14E-02	1.19E-05	4.66E-06	1.17E-02	4.41E-06	1.12E-07	1.21E-02	4.57E-06	1.16E-07	7.29E-06	4.67E-06
3034	479303.24, 3850393.52	0.0449576	1.70E-05	6.68E-06	2.88E-02	1.09E-05	4.27E-06	1.07E-02	4.03E-06	1.02E-07	1.11E-02	4.18E-06	1.06E-07	6.68E-06	4.28E-06
3035	479353.24, 3850393.52	0.0415562	1.57E-05	6.17E-06	2.66E-02	1.00E-05	3.95E-06	9.83E-03	3.72E-06	9.40E-08	1.02E-02	3.86E-06	9.75E-08	6.18E-06	3.95E-06
3036	479403.24, 3850393.52	0.0386546	1.46E-05	5.74E-06	2.47E-02	9.33E-06	3.67E-06	9.10E-03	3.44E-06	8.70E-08	9.45E-03	3.57E-06	9.04E-08	5.74E-06	3.67E-06
3037	479453.24, 3850393.52	0.0361899	1.37E-05	5.38E-06	2.31E-02	8.72E-06	3.43E-06	8.46E-03	3.20E-06	8.09E-08	8.79E-03	3.32E-06	8.40E-08	5.38E-06	3.43E-06
3038	479503.24, 3850393.52	0.0340313	1.29E-05	5.05E-06	2.17E-02	8.19E-06	3.22E-06	7.88E-03	2.98E-06	7.54E-08	8.19E-03	3.09E-06	7.83E-08	5.06E-06	3.22E-06
3039	479303.24, 3850443.52	0.0669422	2.53E-05	9.94E-06	4.10E-02	1.55E-05	6.09E-06	1.30E-02	4.92E-06	1.25E-07	1.35E-02	5.09E-06	1.29E-07	9.95E-06	6.09E-06
3040	479353.24, 3850443.52	0.057859	2.19E-05	8.59E-06	3.58E-02	1.35E-05	5.31E-06	1.18E-02	4.45E-06	1.13E-07	1.22E-02	4.61E-06	1.17E-07	8.60E-06	5.32E-06
3041	479403.24, 3850443.52	0.0512977	1.94E-05	7.62E-06	3.19E-02	1.21E-05	4.74E-06	1.07E-02	4.05E-06	1.03E-07	1.11E-02	4.20E-06	1.06E-07	7.62E-06	4.74E-06
3042	479453.24, 3850443.52	0.0463587	1.75E-05	6.89E-06	2.89E-02	1.09E-05	4.29E-06	9.82E-03	3.71E-06	9.40E-08	1.02E-02	3.85E-06	9.74E-08	6.89E-06	4.30E-06
3043	479503.24, 3850443.52	0.0424506	1.60E-05	6.31E-06	2.65E-02	1.00E-05	3.94E-06	9.04E-03	3.42E-06	8.65E-08	9.38E-03	3.55E-06	8.97E-08	6.31E-06	3.94E-06
3044	480327.18, 3850987.04	0.0500039	1.89E-05	7.43E-06	3.46E-02	1.31E-05	5.14E-06	1.59E-02	6.00E-06	1.52E-07	1.65E-02	6.23E-06	1.58E-07	7.43E-06	5.14E-06
3045	480377.18, 3850987.04	0.0445535	1.68E-05	6.62E-06	3.07E-02	1.16E-05	4.56E-06	1.40E-02	5.29E-06	1.34E-07	1.46E-02	5.51E-06	1.39E-07	6.62E-06	4.57E-06
3046	480427.18, 3850987.04	0.0403089	1.52E-05	5.99E-06	2.77E-02	1.05E-05	4.11E-06	1.25E-02	4.73E-06	1.20E-07	1.30E-02	4.92E-06	1.25E-07	5.99E-06	4.12E-06
3047	480477.18, 3850987.04	0.0368927	1.39E-05	5.48E-06	2.52E-02	9.53E-06	3.75E-06	1.12E-02	4.25E-06	1.08E-07	1.17E-02	4.43E-06	1.12E-07	5.48E-06	3.75E-06
3048	480327.18, 3851037.04	0.0674772	2.55E-05	1.00E-05	4.69E-02	1.77E-05	6.97E-06	2.18E-02	8.23E-06	2.08E-07	2.25E-02	8.53E-06	2.16E-07	1.00E-05	6.97E-06
3049	480377.18, 3851037.04	0.0570688	2.16E-05	8.48E-06	3.97E-02	1.50E-05	5.89E-06	1.84E-02	6.97E-06	1.76E-07	1.91E-02	7.23E-06	1.83E-07	8.48E-06	5.90E-06
3050	480427.18, 3851037.04	0.0496748	1.88E-05	7.38E-06	3.45E-02	1.30E-05	5.12E-06	1.59E-02	6.02E-06	1.52E-07	1.66E-02	6.26E-06	1.58E-07	7.38E-06	5.12E-06
3051	480477.18, 3851037.04	0.0441666	1.67E-05	6.56E-06	3.05E-02	1.15E-05	4.53E-06	1.40E-02	5.29E-06	1.34E-07	1.46E-02	5.51E-06	1.39E-07	6.57E-06	4.54E-06
3052	480622.06, 3851087.39	0.0400934	1.52E-05	5.96E-06	2.76E-02	1.05E-05	4.11E-06	1.26E-02	4.76E-06	1.20E-07	1.32E-02	4.98E-06	1.26E-07	5.96E-06	4.11E-06
3053	480672.06, 3851087.39	0.0365958	1.38E-05	5.44E-06	2.51E-02	9.50E-06	3.73E-06	1.13E-02	4.29E-06	1.09E-07	1.19E-02	4.49E-06	1.14E-07	5.44E-06	3.74E-06
3054	480622.06, 3851137.39	0.0502751	1.90E-05	7.47E-06	3.49E-02	1.32E-05	5.19E-06	1.62E-02	6.12E-06	1.55E-07	1.69E-02	6.40E-06	1.62E-07	7.47E-06	5.19E-06
3055	480672.06, 3851137.39	0.0444938	1.68E-05	6.61E-06	3.08E-02	1.16E-05	4.58E-06	1.42E-02	5.36E-06	1.36E-07	1.49E-02	5.62E-06	1.42E-07	6.62E-06	4.58E-06
3056	480722.06, 3851137.39	0.040083	1.52E-05	5.95E-06	2.77E-02	1.05E-05	4.11E-06	1.26E-02	4.78E-06	1.21E-07	1.33E-02	5.01E-06	1.27E-07	5.96E-06	4.12E-06
3057	480622.06, 3851187.39	0.0699387	2.64E-05	1.04E-05	4.86E-02	1.84E-05	7.22E-06	2.26E-02	8.55E-06	2.16E-07	2.36E-02	8.94E-06	2.26E-07	1.04E-05	7.23E-06
3058	480672.06, 3851187.39	0.0585428	2.21E-05	8.70E-06	4.07E-02	1.54E-05	6.05E-06	1.89E-02	7.15E-06	1.81E-07	1.98E-02	7.50E-06	1.90E-07	8.70E-06	6.06E-06
3059	480722.06, 3851187.39	0.0506349	1.91E-05	7.52E-06	3.51E-02	1.33E-05	5.22E-06	1.63E-02	6.15E-06	1.56E-07	1.71E-02	6.46E-06	1.63E-07	7.53E-06	5.23E-06
3060	471363.09, 3845877.25	0.0020469	7.74E-07	3.04E-07	1.37E-03	5.18E-07	2.04E-07	5.80E-04	2.19E-07	5.54E-09	6.09E-04	2.30E-07	5.82E-09	3.04E-07	2.04E-07
3061	471863.09, 3845877.25	0.0020584	7.78E-07	3.06E-07	1.38E-03	5.20E-07	2.04E-07	5.78E-04	2.19E-07	5.53E-09	6.06E-04	2.29E-07	5.79E-09	3.06E-07	2.04E-07
3062	472363.09, 3845877.25	0.0021963	8.30E-07	3.26E-07	1.50E-03	5.67E-07	2.23E-07	6.66E-04	2.52E-07	6.37E-09	6.97E-04	2.64E-07	6.67E-09	3.27E-07	2.23E-07
3063	472863.09, 3845877.25	0.002126	8.04E-07	3.16E-07	1.45E-03	5.48E-07	2.15E-07	6.42E-04	2.43E-07	6.14E-09	6.74E-04	2.55E-07	6.45E-09	3.16E-07	2.16E-07
3064	473363.09, 3845877.25	0.0021332	8.07E-07	3.17E-07	1.46E-03	5.53E-07	2.17E-07	6.58E-04	2.49E-07	6.29E-09	6.95E-04	2.63E-07	6.65E-09	3.17E-07	2.18E-07
3065	473863.09, 3845877.25	0.0021187	8.01E-07	3.15E-07	1.46E-03	5.53E-07	2.17E-07	6.67E-04	2.52E-07	6.38E-09	7.07E-04	2.67E-07	6.76E-09	3.15E-07	2.18E-07
3066	474363.09, 3845877.25	0.0021429	8.10E-07	3.18E-07	1.50E-03	5.67E-07	2.23E-07	7.08E-04	2.68E-07	6.77E-09	7.49E-04	2.83E-07	7.17E-09	3.19E-07	2.23E-07
3067	474863.09, 3845877.25	0.0021832	8.25E-07	3.24E-07	1.53E-03	5.80E-07	2.28E-07	7.30E-04	2.76E-07	6.98E-09	7.70E-04	2.91E-07	7.37E-09	3.25E-07	2.28E-07
3068	475363.09, 3845877.25	0.0022482	8.50E-07	3.34E-07	1.57E-03	5.94E-07	2.33E-07	7.39E-04	2.80E-07	7.07E-09	7.74E-04	2.93E-07	7.40E-09	3.34E-07	2.34E-07
3069	475863.09, 3845877.25	0.0022642	8.56E-07	3.36E-07	1.57E-03	5.93E-07	2.33E-07	7.21E-04	2.72E-07	6.89E-09	7.54E-04	2.85E-07	7.21E-09	3.37E-07	2.33E-07
3070	476363.09, 3845877.25	0.0022181	8.39E-07	3.29E-07	1.52E-03	5.75E-07	2.26E-07	6.85E-04	2.59E-07	6.55E-09	7.20E-04	2.72E-07	6.89E-09	3.30E-07	2.26E-07
3071	476863.09, 3845877.25	0.0021123	7.99E-07	3.14E-07	1.44E-03	5.46E-07	2.14E-07	6.44E-04	2.43E-07	6.16E-09	6.81E-04	2.57E-07	6.51E-09	3.14E-07	2.15E-07
3072	477363.09, 3845877.25	0.0020179	7.63E-07	3.00E-07	1.38E-03	5.20E-07	2.04E-07	6.11E-04	2.31E-07	5.84E-09	6.46E-04	2.44E-07	6.18E-09	3.00E-07	2.05E-07
3073	477863.09, 3845877.25	0.0019452	7.35E-07	2.89E-07	1.32E-03	4.98E-07	1.96E-07	5.73E-04	2.17E-07	5.48E-09	6.06E-04	2.29E-07	5.79E-09	2.89E-07	1.96E-07
3074	478363.09, 3845877.25	0.0019304	7.30E-07	2.87E-07	1.30E-03	4.90E-07	1.92E-07	5.51E-04	2.08E-07	5.27E-09	5.79E-04	2.19E-07	5.54E-09	2.87E-07	1.93E-07
3075	478863.09, 3845877.25	0.0019024	7.19E-07	2.83E-07	1.27E-03	4.80E-07	1.88E-07	5.31E-04	2.01E-07	5.08E-09	5.58E-04	2.11E-07	5.34E-09	2.83E-07	1.89E-07
3076	479363.09, 3845877.25	0.0019287	7.29E-07	2.86E-07	1.27E-03	4.82E-07	1.89E-07	5.20E-04	1.97E-07	4.97E-09	5.48E-04	2.07E-07	5.25E-09	2.87E-07	1.90E-07
3077	479863.09, 3845877.25	0.0019572	7.40E-07	2.91E-07	1.28E-03	4.82E-07	1.89E-07	5.00E-04	1.89E-07	4.78E-09	5.27E-04	1.99E-07	5.04E-09	2.91E-07	1.90E-07
3078	480363.09, 3845877.25	0.0019566	7.40E-07	2.91E-07	1.25E-03	4.74E-07	1.86E-07	4.67E-04	1.76E-07	4.47E-09	4.91E-04	1.86E-07	4.70E-09	2.91E-07	1.86E-07
3079	480863.09, 3845877.25	0.0019453	7.35E-07	2.89E-07	1.24E-03	4.67E-07	1.83E-07	4.46E-04	1.69E-07	4.27E-09	4.68E-04	1.77E-07	4.48E-09	2.89E-07	1.84E-07
3080	481363.09, 3845877.25	0.0018948	7.16E-07	2.81E-07	1.20E-03	4.53E-07	1.78E-07	4.28E-04	1.62E-07	4.09E-09	4.51E-04	1.70E-07	4.31E-09	2.82E-07	1.78E-07
3081	481863.09, 3845877.25	0.0017876	6.76E-07	2.66E-07	1.13E-03	4.28E-07	1.68E-07	4.07E-04	1.54E-07	3.90E-09	4.29E-04	1.62E-07	4.11E-09	2.66E-07	1.68E-07
3082	482363.09, 3845877.25	0.0017068	6.45E-07	2.54E-07	1.08E-03	4.09E-07	1.60E-07	3.87E-04	1.46E-07	3.70E-09	4.08E-04	1.54E-07	3.90E-09	2.54E-07	1.61E-07
3083	482863.09, 3845877.25	0.0015989	6.05E-07	2.37E-07	1.00E-03	3.78E-07	1.49E-07	3.45E-04	1.30E-07	3.30E-09	3.64E-04	1.38E-07	3.48E-09	2.38E-07	1.49E-07
3084	483363.09, 3845877.25	0.0015603	5.90E-07	2.32E-07	9.69E-04	3.66E-07	1.44E-07	3.24E-04	1.23E-07	3.10E-09	3.41E-04	1.29E-07	3.26E-09	2.32E-07	1.44E-07
3085	483863.09, 3845877.25	0.0016612	6.28E-07	2.47E-07	1.03E-03	3.91E-07	1.54E-07	3.49E-04	1.32E-07	3.34E-09	3.69E-04	1.39E-07	3.53E-09	2.47E-07	1.54E-07
3086	484363.09, 3845877.25	0.0016432	6.21E-07	2.44E-07	1.02E-03	3.87E-07	1.52E-07	3.46E-04	1.31E-07	3.31E-09	3.64E-04	1.38E-07	3.48E-09	2.44E-07	1.52E-07
3087	484863.09, 3845877.25	0.0016052	6.07E-07	2.38E-07	1.00E-03	3.78E-07	1.48E-07	3.38E-04	1.28E-07	3.24E-09	3.56E-04	1.35E-07	3.40E-09	2.39E-07	1.49E-07
3088	485363.09, 3845877.25	0.0015608	5.90E-07	2.32E-07	9.70E-04	3.67E-07	1.44E-07	3.26E-04	1.23E-07	3.12E-09	3.44E-04	1.30E-07	3.29E-09	2.32E-07	1.44E-07
3089	485863.09, 3845877.25	0.0015732	5.95E-07	2.34E-07	9.76E-04	3.69E-07	1.45E-07	3.26E-04	1.23E-07	3.12E-09	3.43E-04	1.30E-07	3.28E-09	2.34E-07	1.45E-07
3090	486363.09, 3845877.25	0.0015809	5.98E-07	2.35E-07	9.77E-04	3.69E-07	1.45E-07	3.21E-04	1.21E-07	3.07E-09	3.38E-04	1.28E-07	3.23E-09	2.35E-07	1.45E-07
3091	486863.09, 3845877.25	0.0015515	5.87E-07	2.30E-07	9.54E-04	3.61E-07	1.42E-07	3.09E-04	1.17E-07	2.95E-09	3.25E-04	1.23E-07	3.11E-09	2.31E-07	1.42E-07
3092	487363.09, 3845877.25	0.0015594	5.90E-07	2.32E-07	9.55E-04	3.61E-07	1.42E-07	3.04E-04	1.15E-07	2.91E-09	3.20E-04	1.21E-07	3.06E-09	2.32E-07	1.42E-07
3093	487863.09, 3845877.25	0.0015325	5.79E-07	2.28E-07	9.35E-04	3.54E-07	1.39E-07	2.93E-04	1.11E-07	2.80E-09	3.09E-04	1.17E-07	2.95E-09	2.28E-07	1.39E-07
3094	488363.09, 3845877.25	0.0015254	5.77E-07	2.27E-07	9.28E-04	3.51E-07	1.38E-07	2.87E-04	1.08E-07	2.74E-09	3.02E-04	1.14E-07	2.89E-09	2.27E-07	1.38E-07
3095	488863.09, 3845877.25	0.0015973	6.04E-07	2.37E-07	9.72E-04	3.67E-07	1.44E-07	3.01E-04	1.14E-07	2.88E-09	3.17E-04	1.20E-07	3.03E-09	2.37E-07	1.44E-07
3096	489363.09, 3845877.25	0.0016059	6.07E-07	2.39E-07	9.74E-04	3.68E-07	1.45E-07	2.98E-04	1.13E-07	2.85E-09	3.13E-04	1.18E-07	3.00E-09	2.39E-07	1.45E-07
3097	489863.09, 3845877.25	0.0015666	5.92E-07	2.33E-07	9.49E-04	3.59E-07	1.41E-07	2.88E-04	1.09E-07	2.76E-09	3.02E-04	1.14E-07	2.89E-09	2.33E-07	1.41E-07
3098	490363.09, 3845877.25	0.0015351	5.80E-07	2.28E-07	9.24E-04	3.49E-07	1.37E-07	2.74E-04	1.04E-07	2.62E-09	2.87E-04	1.09E-07	2.75E-09	2.28E-07	1.37E-07

3099	490863.09, 3845877.25	0.0014744	5.57E-07	2.19E-07	8.77E-04	3.32E-07	1.30E-07	2.48E-04	9.36E-08	2.37E-09	2.61E-04	9.87E-08	2.50E-09	2.19E-07	1.30E-07
3100	491363.09, 3845877.25	0.0015321	5.79E-07	2.28E-07	9.14E-04	3.45E-07	1.36E-07	2.60E-04	9.83E-08	2.49E-09	2.73E-04	1.03E-07	2.61E-09	2.28E-07	1.36E-07
3101	491863.09, 3845877.25	0.0015795	5.97E-07	2.35E-07	9.40E-04	3.55E-07	1.40E-07	2.65E-04	1.00E-07	2.53E-09	2.77E-04	1.05E-07	2.65E-09	2.35E-07	1.40E-07
3102	492363.09, 3845877.25	0.0015279	5.78E-07	2.27E-07	9.02E-04	3.41E-07	1.34E-07	2.46E-04	9.30E-08	2.35E-09	2.58E-04	9.75E-08	2.47E-09	2.27E-07	1.34E-07
3103	492863.09, 3845877.25	0.0016181	6.12E-07	2.40E-07	9.57E-04	3.62E-07	1.42E-07	2.63E-04	9.95E-08	2.52E-09	2.77E-04	1.05E-07	2.65E-09	2.40E-07	1.42E-07
3104	493363.09, 3845877.25	0.001665	6.30E-07	2.47E-07	9.83E-04	3.72E-07	1.46E-07	2.68E-04	1.01E-07	2.56E-09	2.82E-04	1.07E-07	2.70E-09	2.47E-07	1.46E-07
3105	493863.09, 3845877.25	0.0017104	6.47E-07	2.54E-07	1.01E-03	3.81E-07	1.50E-07	2.71E-04	1.02E-07	2.59E-09	2.86E-04	1.08E-07	2.73E-09	2.54E-07	1.50E-07
3106	494363.09, 3845877.25	0.0017536	6.63E-07	2.60E-07	1.03E-03	3.89E-07	1.53E-07	2.73E-04	1.03E-07	2.61E-09	2.87E-04	1.09E-07	2.75E-09	2.61E-07	1.53E-07
3107	494863.09, 3845877.25	0.0017809	6.73E-07	2.65E-07	1.04E-03	3.94E-07	1.55E-07	2.73E-04	1.03E-07	2.61E-09	2.87E-04	1.09E-07	2.75E-09	2.65E-07	1.55E-07
3108	495363.09, 3845877.25	0.0018104	6.84E-07	2.69E-07	1.06E-03	4.00E-07	1.57E-07	2.74E-04	1.04E-07	2.62E-09	2.89E-04	1.09E-07	2.76E-09	2.69E-07	1.57E-07
3109	495863.09, 3845877.25	0.0018537	7.01E-07	2.75E-07	1.08E-03	4.08E-07	1.60E-07	2.76E-04	1.04E-07	2.64E-09	2.91E-04	1.10E-07	2.78E-09	2.75E-07	1.61E-07
3110	496363.09, 3845877.25	0.001898	7.18E-07	2.82E-07	1.10E-03	4.17E-07	1.64E-07	2.77E-04	1.05E-07	2.65E-09	2.92E-04	1.10E-07	2.79E-09	2.82E-07	1.64E-07
3111	496863.09, 3845877.25	0.0019242	7.28E-07	2.86E-07	1.11E-03	4.21E-07	1.66E-07	2.76E-04	1.04E-07	2.64E-09	2.92E-04	1.10E-07	2.79E-09	2.86E-07	1.66E-07
3112	497363.09, 3845877.25	0.0019524	7.38E-07	2.90E-07	1.13E-03	4.27E-07	1.68E-07	2.76E-04	1.04E-07	2.64E-09	2.91E-04	1.10E-07	2.78E-09	2.90E-07	1.68E-07
3113	497863.09, 3845877.25	0.0019922	7.53E-07	2.96E-07	1.15E-03	4.34E-07	1.70E-07	2.74E-04	1.04E-07	2.62E-09	2.89E-04	1.09E-07	2.76E-09	2.96E-07	1.70E-07
3114	498363.09, 3845877.25	0.002032	7.68E-07	3.02E-07	1.17E-03	4.40E-07	1.73E-07	2.73E-04	1.03E-07	2.61E-09	2.89E-04	1.09E-07	2.76E-09	3.02E-07	1.73E-07
3115	471363.09, 3846377.25	0.0148444	5.61E-06	2.20E-06	1.41E-02	5.33E-06	2.09E-06	1.06E-02	4.02E-06	1.02E-07	1.12E-02	4.23E-06	1.07E-07	2.21E-06	2.10E-06
3116	471863.09, 3846377.25	0.0127472	4.82E-06	1.89E-06	1.20E-02	4.54E-06	1.78E-06	8.99E-03	3.40E-06	8.60E-08	9.44E-03	3.57E-06	9.03E-08	1.90E-06	1.79E-06
3117	472363.09, 3846377.25	0.0048539	1.84E-06	7.21E-07	4.13E-03	1.56E-06	6.13E-07	2.74E-03	1.03E-06	2.62E-08	2.87E-03	1.09E-06	2.75E-08	7.22E-07	6.14E-07
3118	472863.09, 3846377.25	0.0038156	1.44E-06	5.67E-07	3.08E-03	1.17E-06	4.58E-07	1.90E-03	7.18E-07	1.82E-08	1.99E-03	7.53E-07	1.90E-08	5.68E-07	4.59E-07
3119	473363.09, 3846377.25	0.0033096	1.25E-06	4.92E-07	2.58E-03	9.74E-07	3.83E-07	1.50E-03	5.66E-07	1.43E-08	1.57E-03	5.94E-07	1.50E-08	4.92E-07	3.83E-07
3120	473863.09, 3846377.25	0.0031001	1.17E-06	4.60E-07	2.37E-03	8.97E-07	3.53E-07	1.34E-03	5.06E-07	1.28E-08	1.41E-03	5.33E-07	1.35E-08	4.61E-07	3.53E-07
3121	474363.09, 3846377.25	0.0029126	1.10E-06	4.33E-07	2.20E-03	8.32E-07	3.27E-07	1.21E-03	4.58E-07	1.16E-08	1.28E-03	4.84E-07	1.22E-08	4.33E-07	3.27E-07
3122	474863.09, 3846377.25	0.002807	1.06E-06	4.17E-07	2.10E-03	7.94E-07	3.12E-07	1.14E-03	4.30E-07	1.09E-08	1.20E-03	4.54E-07	1.15E-08	4.18E-07	3.13E-07
3123	475363.09, 3846377.25	0.0027057	1.02E-06	4.02E-07	2.00E-03	7.56E-07	2.97E-07	1.06E-03	4.00E-07	1.01E-08	1.11E-03	4.22E-07	1.07E-08	4.02E-07	2.98E-07
3124	475863.09, 3846377.25	0.0026702	1.01E-06	3.97E-07	1.94E-03	7.35E-07	2.89E-07	9.98E-04	3.77E-07	9.55E-09	1.04E-03	3.95E-07	9.99E-09	3.97E-07	2.89E-07
3125	476363.09, 3846377.25	0.0026069	9.86E-07	3.87E-07	1.86E-03	7.03E-07	2.76E-07	9.16E-04	3.46E-07	8.77E-09	9.60E-04	3.63E-07	9.18E-09	3.88E-07	2.77E-07
3126	476863.09, 3846377.25	0.0025058	9.47E-07	3.72E-07	1.77E-03	6.68E-07	2.62E-07	8.47E-04	3.20E-07	8.11E-09	8.93E-04	3.38E-07	8.54E-09	3.73E-07	2.63E-07
3127	477363.09, 3846377.25	0.0023745	8.98E-07	3.53E-07	1.66E-03	6.29E-07	2.47E-07	7.86E-04	2.97E-07	7.52E-09	8.32E-04	3.15E-07	7.96E-09	3.53E-07	2.48E-07
3128	477863.09, 3846377.25	0.0022584	8.54E-07	3.35E-07	1.57E-03	5.93E-07	2.33E-07	7.25E-04	2.74E-07	6.94E-09	7.69E-04	2.91E-07	7.35E-09	3.36E-07	2.33E-07
3129	478363.09, 3846377.25	0.0022055	8.34E-07	3.28E-07	1.51E-03	5.72E-07	2.25E-07	6.81E-04	2.58E-07	6.52E-09	7.18E-04	2.72E-07	6.87E-09	3.28E-07	2.25E-07
3130	478863.09, 3846377.25	0.0021863	8.27E-07	3.25E-07	1.49E-03	5.63E-07	2.21E-07	6.56E-04	2.48E-07	6.28E-09	6.89E-04	2.60E-07	6.59E-09	3.25E-07	2.21E-07
3131	479363.09, 3846377.25	0.0021598	8.17E-07	3.21E-07	1.46E-03	5.50E-07	2.16E-07	6.27E-04	2.37E-07	5.99E-09	6.59E-04	2.49E-07	6.31E-09	3.21E-07	2.17E-07
3132	479863.09, 3846377.25	0.0021585	8.16E-07	3.21E-07	1.43E-03	5.42E-07	2.13E-07	5.94E-04	2.24E-07	5.68E-09	6.25E-04	2.36E-07	5.98E-09	3.21E-07	2.13E-07
3133	480363.09, 3846377.25	0.0022145	8.37E-07	3.29E-07	1.45E-03	5.47E-07	2.15E-07	5.73E-04	2.17E-07	5.48E-09	6.02E-04	2.28E-07	5.76E-09	3.29E-07	2.15E-07
3134	480863.09, 3846377.25	0.0021711	8.21E-07	3.22E-07	1.40E-03	5.28E-07	2.08E-07	5.28E-04	2.00E-07	5.05E-09	5.55E-04	2.10E-07	5.31E-09	3.23E-07	2.08E-07
3135	481363.09, 3846377.25	0.0021442	8.11E-07	3.18E-07	1.37E-03	5.18E-07	2.04E-07	5.06E-04	1.91E-07	4.84E-09	5.32E-04	2.01E-07	5.09E-09	3.19E-07	2.04E-07
3136	481863.09, 3846377.25	0.0020545	7.77E-07	3.05E-07	1.31E-03	4.95E-07	1.94E-07	4.78E-04	1.81E-07	4.57E-09	5.04E-04	1.91E-07	4.82E-09	3.05E-07	1.95E-07
3137	482363.09, 3846377.25	0.0019215	7.26E-07	2.85E-07	1.22E-03	4.63E-07	1.82E-07	4.48E-04	1.69E-07	4.29E-09	4.73E-04	1.79E-07	4.53E-09	2.86E-07	1.82E-07
3138	482863.09, 3846377.25	0.001817	6.87E-07	2.70E-07	1.15E-03	4.34E-07	1.71E-07	4.09E-04	1.55E-07	3.91E-09	4.33E-04	1.64E-07	4.14E-09	2.70E-07	1.71E-07
3139	483363.09, 3846377.25	0.0018491	6.99E-07	2.75E-07	1.17E-03	4.41E-07	1.73E-07	4.12E-04	1.56E-07	3.94E-09	4.34E-04	1.64E-07	4.15E-09	2.75E-07	1.73E-07
3140	483863.09, 3846377.25	0.0018502	7.00E-07	2.75E-07	1.16E-03	4.38E-07	1.72E-07	4.01E-04	1.52E-07	3.84E-09	4.23E-04	1.60E-07	4.04E-09	2.75E-07	1.72E-07
3141	484363.09, 3846377.25	0.0017812	6.73E-07	2.65E-07	1.11E-03	4.20E-07	1.65E-07	3.79E-04	1.43E-07	3.63E-09	4.00E-04	1.51E-07	3.83E-09	2.65E-07	1.65E-07
3142	484863.09, 3846377.25	0.0018065	6.83E-07	2.68E-07	1.13E-03	4.27E-07	1.68E-07	3.88E-04	1.47E-07	3.72E-09	4.10E-04	1.55E-07	3.92E-09	2.69E-07	1.68E-07
3143	485363.09, 3846377.25	0.0017994	6.80E-07	2.67E-07	1.12E-03	4.25E-07	1.67E-07	3.84E-04	1.45E-07	3.67E-09	4.03E-04	1.52E-07	3.86E-09	2.67E-07	1.67E-07
3144	485863.09, 3846377.25	0.0017503	6.62E-07	2.60E-07	1.09E-03	4.12E-07	1.62E-07	3.68E-04	1.39E-07	3.52E-09	3.87E-04	1.46E-07	3.70E-09	2.60E-07	1.62E-07
3145	486363.09, 3846377.25	0.0016734	6.33E-07	2.49E-07	1.03E-03	3.91E-07	1.54E-07	3.40E-04	1.29E-07	3.25E-09	3.57E-04	1.35E-07	3.42E-09	2.49E-07	1.54E-07
3146	486863.09, 3846377.25	0.0016597	6.28E-07	2.47E-07	1.02E-03	3.86E-07	1.52E-07	3.29E-04	1.24E-07	3.15E-09	3.46E-04	1.31E-07	3.31E-09	2.47E-07	1.52E-07
3147	487363.09, 3846377.25	0.0016891	6.39E-07	2.51E-07	1.04E-03	3.92E-07	1.54E-07	3.31E-04	1.25E-07	3.16E-09	3.48E-04	1.31E-07	3.33E-09	2.51E-07	1.54E-07
3148	487863.09, 3846377.25	0.0017454	6.60E-07	2.59E-07	1.07E-03	4.05E-07	1.59E-07	3.41E-04	1.29E-07	3.27E-09	3.59E-04	1.36E-07	3.43E-09	2.59E-07	1.59E-07
3149	488363.09, 3846377.25	0.0017499	6.62E-07	2.60E-07	1.07E-03	4.03E-07	1.59E-07	3.34E-04	1.26E-07	3.19E-09	3.53E-04	1.33E-07	3.37E-09	2.60E-07	1.59E-07
3150	488863.09, 3846377.25	0.0017431	6.59E-07	2.59E-07	1.06E-03	4.01E-07	1.58E-07	3.29E-04	1.24E-07	3.15E-09	3.48E-04	1.31E-07	3.33E-09	2.59E-07	1.58E-07
3151	489363.09, 3846377.25	0.0017362	6.56E-07	2.58E-07	1.05E-03	3.99E-07	1.57E-07	3.24E-04	1.23E-07	3.10E-09	3.41E-04	1.29E-07	3.26E-09	2.58E-07	1.57E-07
3152	489863.09, 3846377.25	0.001722	6.51E-07	2.56E-07	1.04E-03	3.93E-07	1.55E-07	3.13E-04	1.18E-07	3.00E-09	3.30E-04	1.25E-07	3.15E-09	2.56E-07	1.55E-07
3153	490363.09, 3846377.25	0.0016336	6.18E-07	2.43E-07	9.80E-04	3.71E-07	1.46E-07	2.87E-04	1.08E-07	2.74E-09	3.02E-04	1.14E-07	2.89E-09	2.43E-07	1.46E-07
3154	490863.09, 3846377.25	0.0016184	6.12E-07	2.40E-07	9.65E-04	3.65E-07	1.43E-07	2.74E-04	1.04E-07	2.62E-09	2.89E-04	1.09E-07	2.76E-09	2.41E-07	1.43E-07
3155	491363.09, 3846377.25	0.0016268	6.15E-07	2.42E-07	9.66E-04	3.65E-07	1.43E-07	2.69E-04	1.02E-07	2.58E-09	2.84E-04	1.07E-07	2.72E-09	2.42E-07	1.44E-07
3156	491863.09, 3846377.25	0.001715	6.48E-07	2.55E-07	1.02E-03	3.85E-07	1.51E-07	2.85E-04	1.08E-07	2.73E-09	2.99E-04	1.13E-07	2.86E-09	2.55E-07	1.51E-07
3157	492363.09, 3846377.25	0.0017048	6.45E-07	2.53E-07	1.01E-03	3.81E-07	1.50E-07	2.77E-04	1.05E-07	2.65E-09	2.92E-04	1.10E-07	2.79E-09	2.53E-07	1.50E-07
3158	492863.09, 3846377.25	0.0017322	6.55E-07	2.57E-07	1.02E-03	3.86E-07	1.52E-07	2.77E-04	1.05E-07	2.65E-09	2.91E-04	1.10E-07	2.78E-09	2.57E-07	1.52E-07
3159	493363.09, 3846377.25	0.0017989	6.80E-07	2.67E-07	1.06E-03	4.01E-07	1.58E-07	2.87E-04	1.08E-07	2.74E-09	3.00E-04	1.14E-07	2.87E-09	2.67E-07	1.58E-07
3160	493863.09, 3846377.25	0.001856	7.02E-07	2.76E-07	1.09E-03	4.12E-07	1.62E-07	2.88E-04	1.09E-07	2.76E-09	3.04E-04	1.15E-07	2.90E-09	2.76E-07	1.62E-07
3161	494363.09, 3846377.25	0.0018834	7.12E-07	2.80E-07	1.10E-03	4.17E-07	1.64E-07	2.88E-04	1.09E-07	2.76E-09	3.04E-04	1.15E-07	2.90E-09	2.80E-07	1.64E-07
3162	494863.09, 3846377.25	0.0019128	7.23E-07	2.84E-07	1.12E-03	4.23E-07	1.66E-07	2.90E-04	1.10E-07	2.77E-09	3.05E-04	1.15E-07	2.92E-09	2.84E-07	1.66E-07
3163	495363.09, 3846377.25	0.0019543	7.39E-07	2.90E-07	1.14E-03	4.30E-07	1.69E-07	2.90E-04	1.10E-07	2.77E-09	3.05E-04	1.15E-07	2.92E-09	2.90E-07	1.69E-07
3164	495863.09, 3846377.25	0.0019983	7.56E-07	2.97E-07	1.16E-03	4.39E-07	1.72E-07	2.91E-04	1.10E-07	2.79E-09	3.07E-04	1.16E-07	2.94E-09	2.97E-07	1.73E-07
3165	496363.09, 3846377.25	0.0020423	7.72E-07	3.03E-07	1.18E-03	4.47E-07	1.76E-07	2.93E-04	1.11E-07	2.80E-09	3.09E-04	1.17E-07	2.95E-09	3.03E-07	1.76E-07
3166	496863.09, 3846377.25	0.0020822	7.87E-07	3.09E-07	1.20E-03	4.54E-07	1.78E-07	2.91E-04	1.10E-07	2.79E-09	3.09E-04	1.17E-07	2.95E-09	3.09E-07	1.79E-07
3167	497363.09, 3846377.25	0.0021243	8.03E-07	3.16E-07	1.22E-03	4.62E-07	1.82E-07	2.91E-04	1.10E-07	2.79E-09	3.07E-04	1.16E-07	2.94E-09	3.16E-07	1.82E-07
3168	497863.09, 3846377.25	0.0021642	8.18E-07	3.21E-07	1.24E-03	4.69E-07	1.84E-07	2.90E-04	1.10E-07	2.77E-09	3.05E-04	1.15E-07	2.92E-09	3.22E-07	1.84E-07
3169	498363.09, 3846377.25	0.0022018	8.32E-07	3.27E-07	1.26E-03	4.75E-07	1.87E-07	2.87E-04	1.08E-07	2.74E-09	3.02E-04	1.14E-07	2.89E-09	3.27E-07	1.87E-07
3170	471363.09, 3846877.25	0.0033775	1.28E-06	5.02E-07	2.59E-03	9.78E-07	3.84E-07	1.46E-03	5.52E-07	1.40E-08	1.54E-03	5.81E-07	1.47E-08	5.02E-07	3.85E-07
3171	471863.09, 3846877.25	0.0054559	2.06E-06	8.10E-07	4.66E-03	1.76E-06	6.92E-07	3.10E-03	1.17E-06	2.97E-08	3.26E-03	1.23E-06	3.12E-08	8.12E-07	6.93E-07
3172	472363.09, 3846877.25	0.0511295	1.93E-05	7.59E-06	5.03E-02	1.90E-05	7.47E-06	3.94E-02	1.49E-05	3.77E-07	4.13E-02	1.56E-05	3.95E-07	7.61E-06	7.49E-06
3173	472863.09, 3846877.25	0.0074583	2.82E-06	1.11E-06	6.68E-03	2.52E-06	9.92E-07	4.72E-03	1.78E-06	4.51E-08	4.95E-03	1.87E-06	4.73E-08	1.11E-06	9.94E-07
3174	473363.09, 3846877.25	0.005214	1.97E-06	7.74E-07	4.42E-03	1.67E-06	6.56E-07	2.91E-03	1.10E-06	2.79E-08	3.06E-03	1.16E-06	2.92E-08	7.76E-07	6.58E-07
3175	473863.09, 3846877.25	0.0045266	1.71E-06	6.72E-07	3.72E-03	1.41E-06	5.53E-07	2.35E-03	8.90E-07	2.25E-08	2.47E-03	9.34E-07	2.36E-08	6.73E-07	5.54E-07
3176	474363.09, 3846877.25	0.0039268	1.48E-06	5.83E-07	3.13E-03	1.18E-06	4.65E-07	1.89E-03	7.14E-07	1.81E-08	1.98E-03	7.50E-07	1.90E-08	5.84E-07	4.66E-07
3177	474863.09, 3846877.25	0.0035406	1.34E-06	5.26E-07	2.76E-03	1.04E-06	4.09E-07	1.60E-03	6.05E-07	1.53E-08	1.69E-03	6.39E-07	1.62E-08	5.27E-07	4.10E-07
3178	475363.09, 3846877.25	0.0032562	1.23E-06	4.84E-07	2.49E-03	9.40E-07	3.69E-07	1.40E-03	5.28E-07	1.34E-08	1.47E-03	5.57E-07	1.41E-08	4.84E-07	3.70E-07
3179	475863.09, 3846877.25	0.0031648	1.20E-06	4.70E-07	2.39E-03	9.03E-07	3.55E-07	1.31E-03	4.96E-07	1.26E-08	1.38E-03	5.23E-07	1.32E-08	4.71E-07	3.55E-07
3180	476363.09, 3846877.25	0.0030504	1.15E-06	4.53E-07	2.26E-03	8.55E-07	3.36E-07	1.20E-03	4.54E-07	1.15E-08	1.26E-03	4.76E-07	1.20E-08	4.54E-07	3.36E-07
3181	476863.09, 3846877.25	0.0029319	1.11E-06	4.35E-07	2.13E-03	8.05E-07	3.16E-07	1.09E-03	4.11E-07	1.04E-08	1.14E-03	4.31E-07	1.09E-08	4.36E-07	3.17E-07
3182	477363.09, 3846877.25	0.0028168	1.06E-06	4.18E-07	2.01E-03	7.62E-07	2.99E-07	9.96E-04	3.77E-07	9.53E-09	1.05E-03	3.97E-07	1.01E-08	4.19E-07	3.00E-07
3183	477863.09, 3846877.25	0.0026345	9.96E-07	3.91E-07	1.87E-03	7.06E-07	2.77E-07	9.05E-04	3.42E-07	8.66E-09	9.60E-04	3.63E-07	9.18E-09	3.92E-07	2.78E-07
3184	478363.09, 3846877.25	0.0025423	9.61E-07	3.78E-07	1.78E-03	6.73E-07	2.64E-07	8.41E-04	3.18E-07	8.05E-09	8.90E-04	3.36E-07	8.51E-09	3.78E-07	2.65E-07
3185	478863.09, 3846877.25	0.0025052	9.47E-07	3.72E-07	1.74E-03	6.56E-07	2.58E-07	7.99E-04	3.02E-07	7.64E-09	8.41E-04	3.18E-07	8.04E-09	3.72E-07	2.58E-07
3186	479363.09, 3846877.25	0.0024398	9.22E-07	3.62E-07	1.67E-03	6.32E-07	2.48E-07	7.49E-04	2.83E-07	7.16E-09	7.88E-04	2.98E-07	7.54E-09	3.63E-07	2.49E-07
3187	479863.09, 3846877.25	0.0023187	8.77E-07	3.44E-07	1.56E-03	5.89E-07	2.31E-07	6.66E-04	2.52E-07	6.37E-09	7.00E-04	2.65E-07	6.70E-09	3.45E-07	2.32E-07
3188	480363.09, 3846877.25	0.002286	8.64E-07	3.40E-07	1.51E-03	5.69E-07	2.24E-07	6.08E-04	2.30E-07	5.81E-09	6.38E-04	2.41E-07	6.10E-09	3.40E-07	2.24E-07
3189	480863.09, 3846877.25	0.002295	8.68E-07	3.41E-07	1.49E-03	5.62E-07	2.21E-07	5.72E-04	2.16E-07	5.47E-09	6.01E-04	2.27E-07	5.75E-09	3.41E-07	2.21E-07
3190	481363.09, 3846877.25	0.0023402	8.85E-07	3.48E-07	1.50E-03	5.68E-07	2.23E-07	5.64E-04	2.13E-07	5.39E-09	5.94E-04	2.25E-07	5.68E-09	3.48E-07	2.24E-07
3191	481863.09, 3846877.25	0.002286	8.64E-07	3.40E-07	1.46E-03	5.53E-07	2.17E-07	5.42E-04	2.05E-07	5.18E-09	5.71E-04	2.16E-07	5.46E-09	3.40E-07	2.18E-07
3192	482363.09, 3846877.25	0.0021238	8.03E-07	3.15E-07	1.36E-03	5.13E-07	2.01E-07	5.00E-04	1.89E-07	4.78E-09	5.27E-04	1.99E-07	5.04E-09	3.16E-07	2.02E-07

3193	482863.09, 3846877.25	0.0021018	7.95E-07	3.12E-07	1.33E-03	5.05E-07	1.98E-07	4.82E-04	1.82E-07	4.62E-09	5.09E-04	1.93E-07	4.87E-09	3.12E-07	1.98E-07
3194	483363.09, 3846877.25	0.0020705	7.83E-07	3.08E-07	1.31E-03	4.95E-07	1.95E-07	4.68E-04	1.77E-07	4.48E-09	4.93E-04	1.86E-07	4.72E-09	3.08E-07	1.95E-07
3195	483863.09, 3846877.25	0.0020543	7.77E-07	3.05E-07	1.29E-03	4.89E-07	1.92E-07	4.54E-04	1.72E-07	4.35E-09	4.80E-04	1.81E-07	4.59E-09	3.05E-07	1.92E-07
3196	484363.09, 3846877.25	0.0020476	7.74E-07	3.04E-07	1.29E-03	4.86E-07	1.91E-07	4.48E-04	1.69E-07	4.29E-09	4.72E-04	1.78E-07	4.51E-09	3.04E-07	1.91E-07
3197	484863.09, 3846877.25	0.002015	7.62E-07	2.99E-07	1.26E-03	4.77E-07	1.87E-07	4.34E-04	1.64E-07	4.15E-09	4.57E-04	1.73E-07	4.37E-09	3.00E-07	1.88E-07
3198	485363.09, 3846877.25	0.0020062	7.59E-07	2.98E-07	1.25E-03	4.74E-07	1.86E-07	4.28E-04	1.62E-07	4.09E-09	4.51E-04	1.70E-07	4.31E-09	2.98E-07	1.86E-07
3199	485863.09, 3846877.25	0.0019569	7.40E-07	2.91E-07	1.22E-03	4.61E-07	1.81E-07	4.12E-04	1.56E-07	3.94E-09	4.34E-04	1.64E-07	4.15E-09	2.91E-07	1.81E-07
3200	486363.09, 3846877.25	0.0019856	7.51E-07	2.95E-07	1.23E-03	4.66E-07	1.83E-07	4.14E-04	1.56E-07	3.96E-09	4.36E-04	1.65E-07	4.17E-09	2.95E-07	1.83E-07
3201	486863.09, 3846877.25	0.0018916	7.15E-07	2.81E-07	1.17E-03	4.41E-07	1.73E-07	3.82E-04	1.45E-07	3.66E-09	4.03E-04	1.52E-07	3.86E-09	2.81E-07	1.74E-07
3202	487363.09, 3846877.25	0.0019175	7.25E-07	2.85E-07	1.18E-03	4.46E-07	1.75E-07	3.81E-04	1.44E-07	3.64E-09	4.02E-04	1.52E-07	3.84E-09	2.85E-07	1.75E-07
3203	487863.09, 3846877.25	0.0019239	7.27E-07	2.86E-07	1.18E-03	4.45E-07	1.75E-07	3.74E-04	1.42E-07	3.58E-09	3.93E-04	1.49E-07	3.76E-09	2.86E-07	1.75E-07
3204	488363.09, 3846877.25	0.0019111	7.23E-07	2.84E-07	1.16E-03	4.40E-07	1.73E-07	3.63E-04	1.37E-07	3.48E-09	3.84E-04	1.45E-07	3.67E-09	2.84E-07	1.73E-07
3205	488863.09, 3846877.25	0.0019044	7.20E-07	2.83E-07	1.16E-03	4.38E-07	1.72E-07	3.59E-04	1.36E-07	3.43E-09	3.77E-04	1.43E-07	3.61E-09	2.83E-07	1.72E-07
3206	489363.09, 3846877.25	0.0018973	7.17E-07	2.82E-07	1.15E-03	4.36E-07	1.71E-07	3.54E-04	1.34E-07	3.39E-09	3.72E-04	1.41E-07	3.56E-09	2.82E-07	1.71E-07
3207	489863.09, 3846877.25	0.0018816	7.11E-07	2.79E-07	1.14E-03	4.30E-07	1.69E-07	3.41E-04	1.29E-07	3.27E-09	3.61E-04	1.36E-07	3.45E-09	2.80E-07	1.69E-07
3208	490363.09, 3846877.25	0.0018108	6.85E-07	2.69E-07	1.09E-03	4.11E-07	1.61E-07	3.18E-04	1.20E-07	3.04E-09	3.35E-04	1.27E-07	3.20E-09	2.69E-07	1.62E-07
3209	490863.09, 3846877.25	0.0017978	6.80E-07	2.67E-07	1.07E-03	4.06E-07	1.59E-07	3.07E-04	1.16E-07	2.94E-09	3.23E-04	1.22E-07	3.09E-09	2.67E-07	1.60E-07
3210	491363.09, 3846877.25	0.0018216	6.89E-07	2.71E-07	1.08E-03	4.09E-07	1.61E-07	3.04E-04	1.15E-07	2.91E-09	3.20E-04	1.21E-07	3.06E-09	2.71E-07	1.61E-07
3211	491863.09, 3846877.25	0.0018074	6.83E-07	2.68E-07	1.07E-03	4.04E-07	1.59E-07	2.93E-04	1.11E-07	2.80E-09	3.09E-04	1.17E-07	2.95E-09	2.69E-07	1.59E-07
3212	492363.09, 3846877.25	0.0019074	7.21E-07	2.83E-07	1.13E-03	4.26E-07	1.67E-07	3.07E-04	1.16E-07	2.94E-09	3.23E-04	1.22E-07	3.09E-09	2.83E-07	1.67E-07
3213	492863.09, 3846877.25	0.0019328	7.31E-07	2.87E-07	1.14E-03	4.30E-07	1.69E-07	3.05E-04	1.15E-07	2.92E-09	3.22E-04	1.22E-07	3.08E-09	2.87E-07	1.69E-07
3214	493363.09, 3846877.25	0.001974	7.46E-07	2.93E-07	1.16E-03	4.38E-07	1.72E-07	3.05E-04	1.15E-07	2.92E-09	3.23E-04	1.22E-07	3.09E-09	2.93E-07	1.72E-07
3215	493863.09, 3846877.25	0.0020017	7.57E-07	2.97E-07	1.17E-03	4.43E-07	1.74E-07	3.05E-04	1.15E-07	2.92E-09	3.22E-04	1.22E-07	3.08E-09	2.97E-07	1.74E-07
3216	494363.09, 3846877.25	0.0020268	7.66E-07	3.01E-07	1.18E-03	4.47E-07	1.76E-07	3.04E-04	1.15E-07	2.91E-09	3.20E-04	1.21E-07	3.06E-09	3.01E-07	1.76E-07
3217	494863.09, 3846877.25	0.0020662	7.81E-07	3.07E-07	1.20E-03	4.54E-07	1.78E-07	3.02E-04	1.14E-07	2.89E-09	3.18E-04	1.20E-07	3.04E-09	3.07E-07	1.79E-07
3218	495363.09, 3846877.25	0.0020924	7.91E-07	3.11E-07	1.21E-03	4.58E-07	1.80E-07	3.01E-04	1.14E-07	2.88E-09	3.17E-04	1.20E-07	3.03E-09	3.11E-07	1.80E-07
3219	495863.09, 3846877.25	0.0021327	8.06E-07	3.17E-07	1.23E-03	4.65E-07	1.83E-07	2.99E-04	1.13E-07	2.86E-09	3.17E-04	1.20E-07	3.03E-09	3.17E-07	1.83E-07
3220	496363.09, 3846877.25	0.002175	8.22E-07	3.23E-07	1.25E-03	4.73E-07	1.86E-07	2.99E-04	1.13E-07	2.86E-09	3.15E-04	1.19E-07	3.01E-09	3.23E-07	1.86E-07
3221	496863.09, 3846877.25	0.0022325	8.44E-07	3.32E-07	1.28E-03	4.84E-07	1.90E-07	3.01E-04	1.14E-07	2.88E-09	3.17E-04	1.20E-07	3.03E-09	3.32E-07	1.90E-07
3222	497363.09, 3846877.25	0.002304	8.71E-07	3.42E-07	1.32E-03	4.98E-07	1.96E-07	3.02E-04	1.14E-07	2.89E-09	3.20E-04	1.21E-07	3.06E-09	3.42E-07	1.96E-07
3223	497863.09, 3846877.25	0.0023753	8.98E-07	3.53E-07	1.35E-03	5.11E-07	2.01E-07	3.04E-04	1.15E-07	2.91E-09	3.20E-04	1.21E-07	3.06E-09	3.53E-07	2.01E-07
3224	498363.09, 3846877.25	0.0024105	9.11E-07	3.58E-07	1.37E-03	5.17E-07	2.03E-07	2.99E-04	1.13E-07	2.86E-09	3.17E-04	1.20E-07	3.03E-09	3.58E-07	2.03E-07
3225	471363.09, 3847377.25	0.0028667	1.08E-06	4.26E-07	2.01E-03	7.58E-07	2.98E-07	9.45E-04	3.57E-07	9.04E-09	9.92E-04	3.75E-07	9.49E-09	4.26E-07	2.98E-07
3226	471863.09, 3847377.25	0.0033142	1.25E-06	4.92E-07	2.45E-03	9.25E-07	3.63E-07	1.29E-03	4.87E-07	1.23E-08	1.36E-03	5.13E-07	1.30E-08	4.93E-07	3.64E-07
3227	472363.09, 3847377.25	0.0045002	1.70E-06	6.68E-07	3.62E-03	1.37E-06	5.38E-07	2.22E-03	8.40E-07	2.12E-08	2.34E-03	8.84E-07	2.24E-08	6.70E-07	5.39E-07
3228	472863.09, 3847377.25	0.0142529	5.39E-06	2.12E-06	1.34E-02	5.05E-06	1.98E-06	9.96E-03	3.76E-06	9.52E-08	1.04E-02	3.95E-06	9.99E-08	2.12E-06	1.99E-06
3229	473363.09, 3847377.25	0.0132384	5.01E-06	1.97E-06	1.24E-02	4.67E-06	1.84E-06	9.16E-03	3.46E-06	8.76E-08	9.63E-03	3.64E-06	9.21E-08	1.97E-06	1.84E-06
3230	473863.09, 3847377.25	0.0071616	2.71E-06	1.06E-06	6.27E-03	2.37E-06	9.31E-07	4.31E-03	1.63E-06	4.12E-08	4.53E-03	1.71E-06	4.33E-08	1.07E-06	9.33E-07
3231	474363.09, 3847377.25	0.0057584	2.18E-06	8.55E-07	4.84E-03	1.83E-06	7.19E-07	3.16E-03	1.19E-06	3.02E-08	3.32E-03	1.26E-06	3.18E-08	8.57E-07	7.21E-07
3232	474863.09, 3847377.25	0.0046821	1.77E-06	6.95E-07	3.79E-03	1.43E-06	5.62E-07	2.34E-03	8.83E-07	2.23E-08	2.46E-03	9.29E-07	2.35E-08	6.97E-07	5.64E-07
3233	475363.09, 3847377.25	0.0040282	1.52E-06	5.98E-07	3.16E-03	1.19E-06	4.69E-07	1.86E-03	7.02E-07	1.78E-08	1.96E-03	7.41E-07	1.88E-08	5.99E-07	4.70E-07
3234	475863.09, 3847377.25	0.0038249	1.45E-06	5.68E-07	2.96E-03	1.12E-06	4.40E-07	1.71E-03	6.45E-07	1.63E-08	1.80E-03	6.81E-07	1.72E-08	5.69E-07	4.41E-07
3235	476363.09, 3847377.25	0.0036416	1.38E-06	5.41E-07	2.78E-03	1.05E-06	4.13E-07	1.56E-03	5.90E-07	1.49E-08	1.64E-03	6.21E-07	1.57E-08	5.42E-07	4.14E-07
3236	476863.09, 3847377.25	0.0034225	1.29E-06	5.08E-07	2.55E-03	9.63E-07	3.78E-07	1.37E-03	5.16E-07	1.31E-08	1.43E-03	5.41E-07	1.37E-08	5.09E-07	3.79E-07
3237	477363.09, 3847377.25	0.0032843	1.24E-06	4.88E-07	2.40E-03	9.06E-07	3.56E-07	1.24E-03	4.67E-07	1.18E-08	1.30E-03	4.91E-07	1.24E-08	4.88E-07	3.57E-07
3238	477863.09, 3847377.25	0.0031179	1.18E-06	4.63E-07	2.24E-03	8.46E-07	3.32E-07	1.12E-03	4.22E-07	1.07E-08	1.18E-03	4.45E-07	1.13E-08	4.64E-07	3.33E-07
3239	478363.09, 3847377.25	0.002959	1.12E-06	4.40E-07	2.10E-03	7.94E-07	3.12E-07	1.02E-03	3.86E-07	9.77E-09	1.08E-03	4.09E-07	1.04E-08	4.40E-07	3.12E-07
3240	478863.09, 3847377.25	0.0028987	1.10E-06	4.31E-07	2.03E-03	7.68E-07	3.02E-07	9.60E-04	3.63E-07	9.19E-09	1.01E-03	3.83E-07	9.70E-09	4.31E-07	3.02E-07
3241	479363.09, 3847377.25	0.0027092	1.02E-06	4.02E-07	1.87E-03	7.07E-07	2.78E-07	8.52E-04	3.22E-07	8.15E-09	8.96E-04	3.39E-07	8.57E-09	4.03E-07	2.78E-07
3242	479863.09, 3847377.25	0.0024834	9.39E-07	3.69E-07	1.68E-03	6.35E-07	2.50E-07	7.30E-04	2.76E-07	6.98E-09	7.69E-04	2.91E-07	7.35E-09	3.69E-07	2.50E-07
3243	480363.09, 3847377.25	0.0022989	8.69E-07	3.41E-07	1.52E-03	5.74E-07	2.25E-07	6.17E-04	2.33E-07	5.90E-09	6.46E-04	2.44E-07	6.18E-09	3.42E-07	2.26E-07
3244	480863.09, 3847377.25	0.0022413	8.47E-07	3.33E-07	1.46E-03	5.52E-07	2.17E-07	5.72E-04	2.16E-07	5.47E-09	5.99E-04	2.26E-07	5.73E-09	3.33E-07	2.17E-07
3245	481363.09, 3847377.25	0.0023601	8.92E-07	3.51E-07	1.52E-03	5.76E-07	2.26E-07	5.80E-04	2.19E-07	5.54E-09	6.09E-04	2.30E-07	5.82E-09	3.51E-07	2.26E-07
3246	481863.09, 3847377.25	0.0025527	9.65E-07	3.79E-07	1.64E-03	6.19E-07	2.43E-07	6.13E-04	2.32E-07	5.86E-09	6.46E-04	2.44E-07	6.18E-09	3.79E-07	2.44E-07
3247	482363.09, 3847377.25	0.0024966	9.44E-07	3.71E-07	1.60E-03	6.03E-07	2.37E-07	5.89E-04	2.23E-07	5.63E-09	6.22E-04	2.35E-07	5.95E-09	3.71E-07	2.37E-07
3248	482863.09, 3847377.25	0.0024432	9.24E-07	3.63E-07	1.55E-03	5.86E-07	2.30E-07	5.58E-04	2.11E-07	5.33E-09	5.89E-04	2.23E-07	5.64E-09	3.63E-07	2.30E-07
3249	483363.09, 3847377.25	0.002339	8.84E-07	3.47E-07	1.48E-03	5.60E-07	2.20E-07	5.29E-04	2.00E-07	5.06E-09	5.60E-04	2.12E-07	5.36E-09	3.48E-07	2.20E-07
3250	483863.09, 3847377.25	0.0023361	8.83E-07	3.47E-07	1.47E-03	5.56E-07	2.18E-07	5.15E-04	1.95E-07	4.93E-09	5.44E-04	2.06E-07	5.20E-09	3.47E-07	2.19E-07
3251	484363.09, 3847377.25	0.0023633	8.94E-07	3.51E-07	1.48E-03	5.60E-07	2.20E-07	5.14E-04	1.94E-07	4.91E-09	5.42E-04	2.05E-07	5.18E-09	3.51E-07	2.20E-07
3252	484863.09, 3847377.25	0.0023127	8.74E-07	3.44E-07	1.45E-03	5.46E-07	2.15E-07	4.95E-04	1.87E-07	4.74E-09	5.22E-04	1.97E-07	5.00E-09	3.44E-07	2.15E-07
3253	485363.09, 3847377.25	0.0022824	8.63E-07	3.39E-07	1.42E-03	5.38E-07	2.11E-07	4.82E-04	1.82E-07	4.62E-09	5.08E-04	1.92E-07	4.86E-09	3.39E-07	2.12E-07
3254	485863.09, 3847377.25	0.0022565	8.53E-07	3.35E-07	1.40E-03	5.31E-07	2.09E-07	4.75E-04	1.79E-07	4.54E-09	5.01E-04	1.89E-07	4.79E-09	3.35E-07	2.09E-07
3255	486363.09, 3847377.25	0.0022468	8.49E-07	3.34E-07	1.40E-03	5.28E-07	2.07E-07	4.68E-04	1.77E-07	4.48E-09	4.93E-04	1.86E-07	4.72E-09	3.34E-07	2.08E-07
3256	486863.09, 3847377.25	0.0021663	8.19E-07	3.22E-07	1.34E-03	5.05E-07	1.99E-07	4.37E-04	1.65E-07	4.18E-09	4.60E-04	1.74E-07	4.40E-09	3.22E-07	1.99E-07
3257	487363.09, 3847377.25	0.0021882	8.27E-07	3.25E-07	1.34E-03	5.08E-07	2.00E-07	4.32E-04	1.63E-07	4.14E-09	4.55E-04	1.72E-07	4.36E-09	3.25E-07	2.00E-07
3258	487863.09, 3847377.25	0.0021227	8.03E-07	3.15E-07	1.30E-03	4.91E-07	1.93E-07	4.12E-04	1.56E-07	3.94E-09	4.34E-04	1.64E-07	4.15E-09	3.16E-07	1.93E-07
3259	488363.09, 3847377.25	0.0021232	8.03E-07	3.15E-07	1.29E-03	4.89E-07	1.92E-07	4.01E-04	1.52E-07	3.84E-09	4.21E-04	1.59E-07	4.03E-09	3.16E-07	1.92E-07
3260	488863.09, 3847377.25	0.0021125	7.99E-07	3.14E-07	1.28E-03	4.85E-07	1.90E-07	3.93E-04	1.49E-07	3.76E-09	4.13E-04	1.56E-07	3.95E-09	3.14E-07	1.91E-07
3261	489363.09, 3847377.25	0.0021151	8.00E-07	3.14E-07	1.28E-03	4.83E-07	1.90E-07	3.85E-04	1.46E-07	3.69E-09	4.06E-04	1.54E-07	3.89E-09	3.14E-07	1.90E-07
3262	489863.09, 3847377.25	0.0020526	7.76E-07	3.05E-07	1.24E-03	4.68E-07	1.84E-07	3.68E-04	1.39E-07	3.52E-09	3.87E-04	1.46E-07	3.70E-09	3.05E-07	1.84E-07
3263	490363.09, 3847377.25	0.0020177	7.63E-07	3.00E-07	1.21E-03	4.57E-07	1.80E-07	3.51E-04	1.33E-07	3.36E-09	3.69E-04	1.39E-07	3.53E-09	3.00E-07	1.80E-07
3264	490863.09, 3847377.25	0.0020223	7.65E-07	3.00E-07	1.21E-03	4.56E-07	1.79E-07	3.43E-04	1.30E-07	3.28E-09	3.62E-04	1.37E-07	3.47E-09	3.01E-07	1.79E-07
3265	491363.09, 3847377.25	0.0020266	7.66E-07	3.01E-07	1.20E-03	4.55E-07	1.79E-07	3.35E-04	1.27E-07	3.21E-09	3.53E-04	1.33E-07	3.37E-09	3.01E-07	1.79E-07
3266	491863.09, 3847377.25	0.0020846	7.88E-07	3.10E-07	1.23E-03	4.66E-07	1.83E-07	3.38E-04	1.28E-07	3.24E-09	3.56E-04	1.35E-07	3.40E-09	3.10E-07	1.83E-07
3267	492363.09, 3847377.25	0.0020863	7.89E-07	3.10E-07	1.23E-03	4.64E-07	1.82E-07	3.29E-04	1.24E-07	3.15E-09	3.48E-04	1.31E-07	3.33E-09	3.10E-07	1.83E-07
3268	492863.09, 3847377.25	0.0021274	8.04E-07	3.16E-07	1.25E-03	4.72E-07	1.85E-07	3.29E-04	1.24E-07	3.15E-09	3.46E-04	1.31E-07	3.31E-09	3.16E-07	1.86E-07
3269	493363.09, 3847377.25	0.002151	8.13E-07	3.19E-07	1.26E-03	4.75E-07	1.87E-07	3.26E-04	1.23E-07	3.12E-09	3.43E-04	1.30E-07	3.28E-09	3.20E-07	1.87E-07
3270	493863.09, 3847377.25	0.0021549	8.15E-07	3.20E-07	1.25E-03	4.74E-07	1.86E-07	3.18E-04	1.20E-07	3.04E-09	3.35E-04	1.27E-07	3.20E-09	3.20E-07	1.86E-07
3271	494363.09, 3847377.25	0.0021609	8.17E-07	3.21E-07	1.25E-03	4.74E-07	1.86E-07	3.12E-04	1.18E-07	2.98E-09	3.28E-04	1.24E-07	3.14E-09	3.21E-07	1.86E-07
3272	494863.09, 3847377.25	0.002183	8.25E-07	3.24E-07	1.26E-03	4.77E-07	1.87E-07	3.07E-04	1.16E-07	2.94E-09	3.25E-04	1.23E-07	3.11E-09	3.24E-07	1.87E-07
3273	495363.09, 3847377.25	0.0022212	8.40E-07	3.30E-07	1.28E-03	4.83E-07	1.90E-07	3.04E-04	1.15E-07	2.91E-09	3.22E-04	1.22E-07	3.08E-09	3.30E-07	1.90E-07
3274	495863.09, 3847377.25	0.0022611	8.55E-07	3.36E-07	1.30E-03	4.90E-07	1.92E-07	3.02E-04	1.14E-07	2.89E-09	3.20E-04	1.21E-07	3.06E-09	3.36E-07	1.93E-07
3275	496363.09, 3847377.25	0.0023012	8.70E-07	3.42E-07	1.31E-03	4.97E-07	1.95E-07	3.01E-04	1.14E-07	2.88E-09	3.18E-04	1.20E-07	3.04E-09	3.42E-07	1.95E-07
3276	496863.09, 3847377.25	0.0023751	8.98E-07	3.53E-07	1.35E-03	5.11E-07	2.01E-07	3.04E-04	1.15E-07	2.91E-09	3.20E-04	1.21E-07	3.06E-09	3.53E-07	2.01E-07
3277	497363.09, 3847377.25	0.0024621	9.31E-07	3.66E-07	1.40E-03	5.28E-07	2.07E-07	3.07E-04	1.16E-07	2.94E-09	3.25E-04	1.23E-07	3.11E-09	3.66E-07	2.08E-07
3278	497863.09, 3847377.25	0.0025802	9.76E-07	3.83E-07	1.46E-03	5.51E-07	2.17E-07	3.13E-04	1.18E-07	3.00E-09	3.31E-04	1.25E-07	3.17E-09	3.83E-07	2.17E-07
3279	498363.09, 3847377.25	0.0026328	9.95E-07	3.91E-07	1.48E-03	5.61E-07	2.20E-07	3.12E-04	1.18E-07	2.98E-09	3.30E-04	1.25E-07	3.15E-09	3.91E-07	2.20E-07
3280	471363.09, 3847877.25	0.0027403	1.04E-06	4.07E-07	1.82E-03	6.86E-07	2.70E-07	7.46E-04	2.82E-07	7.13E-09	7.82E-04	2.96E-07	7.48E-09	4.07E-07	2.70E-07
3281	471863.09, 3847877.25	0.002965	1.12E-06	4.40E-07	2.03E-03	7.66E-07	3.01E-07	9.02E-04	3.41E-07	8.63E-09	9.48E-04	3.59E-07	9.07E-09	4.41E-07	3.01E-07
3282	472363.09, 3847877.25	0.0033589	1.27E-06	4.99E-07	2.40E-03	9.07E-07	3.56E-07	1.18E-03	4.47E-07	1.13E-08	1.25E-03	4.71E-07	1.19E-08	5.00E-07	3.57E-07
3283	472863.09, 3847877.25	0.0041328	1.56E-06	6.14E-07	3.14E-03	1.19E-06	4.67E-07	1.75E-03	6.63E-07	1.68E-08	1.85E-03	6.98E-07	1.77E-08	6.15E-07	4.68E-07
3284	473363.09, 3847877.25	0.0063639	2.41E-06	9.45E-07	5.34E-03	2.02E-06	7.93E-07	3.47E-03	1.31E-06	3.32E-08	3.64E-03	1.38E-06	3.48E-08	9.47E-07	7.95E-07
3285	473863.09, 3847877.25	0.0793759	3.00E-05	1.18E-05	7.83E-02	2.96E-05	1.16E-05	6.14E-02	2.32E-05	5.88E-07	6.35E-02	2.40E-05	6.07E-07	1.18E-05	1.16E-05
3286	474363.09, 3847877.25	0.0104351	3.95E-06	1.55E-06	9.34E-03	3.53E-06	1.39E-06	6.61E-03	2.50E-06	6.32E-08	6.96E-03	2.63E-06	6.66E-08	1.55E-06	1.39E-06

3287	474863.09, 3847877.25	0.0071704	2.71E-06	1.07E-06	6.08E-03	2.30E-06	9.03E-07	4.01E-03	1.52E-06	3.84E-08	4.21E-03	1.59E-06	4.03E-08	1.07E-06	9.05E-07
3288	475363.09, 3847877.25	0.0053873	2.04E-06	8.00E-07	4.36E-03	1.65E-06	6.47E-07	2.69E-03	1.02E-06	2.57E-08	2.83E-03	1.07E-06	2.70E-08	8.02E-07	6.49E-07
3289	475863.09, 3847877.25	0.0044957	1.70E-06	6.68E-07	3.52E-03	1.33E-06	5.23E-07	2.07E-03	7.81E-07	1.98E-08	2.18E-03	8.23E-07	2.08E-08	6.69E-07	5.24E-07
3290	476363.09, 3847877.25	0.0043875	1.66E-06	6.52E-07	3.41E-03	1.29E-06	5.06E-07	1.97E-03	7.44E-07	1.88E-08	2.08E-03	7.85E-07	1.99E-08	6.53E-07	5.07E-07
3291	476863.09, 3847877.25	0.0040782	1.54E-06	6.06E-07	3.10E-03	1.17E-06	4.60E-07	1.72E-03	6.51E-07	1.65E-08	1.81E-03	6.85E-07	1.73E-08	6.07E-07	4.61E-07
3292	477363.09, 3847877.25	0.0038572	1.46E-06	5.73E-07	2.86E-03	1.08E-06	4.25E-07	1.53E-03	5.77E-07	1.46E-08	1.60E-03	6.04E-07	1.53E-08	5.74E-07	4.26E-07
3293	477863.09, 3847877.25	0.0037123	1.40E-06	5.51E-07	2.70E-03	1.02E-06	4.01E-07	1.38E-03	5.22E-07	1.32E-08	1.45E-03	5.48E-07	1.39E-08	5.52E-07	4.01E-07
3294	478363.09, 3847877.25	0.0035184	1.33E-06	5.23E-07	2.52E-03	9.52E-07	3.74E-07	1.25E-03	4.72E-07	1.19E-08	1.32E-03	4.98E-07	1.26E-08	5.23E-07	3.75E-07
3295	478863.09, 3847877.25	0.0033949	1.28E-06	5.04E-07	2.39E-03	9.05E-07	3.56E-07	1.15E-03	4.35E-07	1.10E-08	1.22E-03	4.60E-07	1.16E-08	5.05E-07	3.56E-07
3296	479363.09, 3847877.25	0.003039	1.15E-06	4.51E-07	2.10E-03	7.94E-07	3.12E-07	9.63E-04	3.64E-07	9.22E-09	1.02E-03	3.84E-07	9.71E-09	4.52E-07	3.13E-07
3297	479863.09, 3847877.25	0.0026036	9.84E-07	3.87E-07	1.75E-03	6.62E-07	2.60E-07	7.49E-04	2.83E-07	7.16E-09	7.87E-04	2.97E-07	7.53E-09	3.87E-07	2.60E-07
3298	480363.09, 3847877.25	0.0026686	1.01E-06	3.96E-07	1.77E-03	6.71E-07	2.64E-07	7.36E-04	2.78E-07	7.04E-09	7.74E-04	2.93E-07	7.40E-09	3.97E-07	2.64E-07
3299	480863.09, 3847877.25	0.0026085	9.86E-07	3.87E-07	1.71E-03	6.46E-07	2.54E-07	6.78E-04	2.56E-07	6.49E-09	7.12E-04	2.69E-07	6.81E-09	3.88E-07	2.54E-07
3300	481363.09, 3847877.25	0.0026664	1.01E-06	3.96E-07	1.72E-03	6.52E-07	2.56E-07	6.60E-04	2.49E-07	6.31E-09	6.92E-04	2.62E-07	6.62E-09	3.96E-07	2.56E-07
3301	481863.09, 3847877.25	0.0029853	1.13E-06	4.43E-07	1.92E-03	7.24E-07	2.85E-07	7.17E-04	2.71E-07	6.86E-09	7.57E-04	2.86E-07	7.24E-09	4.44E-07	2.85E-07
3302	482363.09, 3847877.25	0.0028827	1.09E-06	4.28E-07	1.84E-03	6.96E-07	2.73E-07	6.78E-04	2.56E-07	6.49E-09	7.17E-04	2.71E-07	6.85E-09	4.29E-07	2.74E-07
3303	482863.09, 3847877.25	0.0027594	1.04E-06	4.10E-07	1.75E-03	6.63E-07	2.60E-07	6.34E-04	2.40E-07	6.07E-09	6.69E-04	2.53E-07	6.40E-09	4.10E-07	2.61E-07
3304	483363.09, 3847877.25	0.0027194	1.03E-06	4.04E-07	1.71E-03	6.48E-07	2.54E-07	6.03E-04	2.28E-07	5.77E-09	6.37E-04	2.41E-07	6.09E-09	4.04E-07	2.55E-07
3305	483863.09, 3847877.25	0.0027254	1.03E-06	4.05E-07	1.70E-03	6.45E-07	2.53E-07	5.86E-04	2.22E-07	5.60E-09	6.19E-04	2.34E-07	5.92E-09	4.05E-07	2.54E-07
3306	484363.09, 3847877.25	0.0027332	1.03E-06	4.06E-07	1.70E-03	6.44E-07	2.53E-07	5.80E-04	2.19E-07	5.54E-09	6.12E-04	2.31E-07	5.86E-09	4.06E-07	2.53E-07
3307	484863.09, 3847877.25	0.0026835	1.01E-06	3.99E-07	1.67E-03	6.31E-07	2.48E-07	5.61E-04	2.12E-07	5.36E-09	5.93E-04	2.24E-07	5.67E-09	3.99E-07	2.48E-07
3308	485363.09, 3847877.25	0.0026579	1.00E-06	3.95E-07	1.65E-03	6.24E-07	2.45E-07	5.51E-04	2.08E-07	5.27E-09	5.81E-04	2.20E-07	5.56E-09	3.95E-07	2.45E-07
3309	485863.09, 3847877.25	0.0026286	9.94E-07	3.90E-07	1.63E-03	6.16E-07	2.42E-07	5.40E-04	2.04E-07	5.17E-09	5.70E-04	2.15E-07	5.45E-09	3.91E-07	2.42E-07
3310	486363.09, 3847877.25	0.0025238	9.54E-07	3.75E-07	1.56E-03	5.90E-07	2.32E-07	5.14E-04	1.94E-07	4.91E-09	5.42E-04	2.05E-07	5.18E-09	3.75E-07	2.32E-07
3311	486863.09, 3847877.25	0.0024548	9.28E-07	3.65E-07	1.51E-03	5.72E-07	2.25E-07	4.92E-04	1.86E-07	4.71E-09	5.19E-04	1.96E-07	4.97E-09	3.65E-07	2.25E-07
3312	487363.09, 3847877.25	0.0024336	9.20E-07	3.61E-07	1.49E-03	5.64E-07	2.21E-07	4.75E-04	1.79E-07	4.54E-09	5.01E-04	1.89E-07	4.79E-09	3.62E-07	2.22E-07
3313	487863.09, 3847877.25	0.0023795	9.00E-07	3.53E-07	1.45E-03	5.48E-07	2.15E-07	4.53E-04	1.71E-07	4.33E-09	4.77E-04	1.80E-07	4.56E-09	3.54E-07	2.16E-07
3314	488363.09, 3847877.25	0.0023629	8.93E-07	3.51E-07	1.43E-03	5.42E-07	2.13E-07	4.39E-04	1.66E-07	4.20E-09	4.62E-04	1.75E-07	4.42E-09	3.51E-07	2.13E-07
3315	488863.09, 3847877.25	0.0023637	8.94E-07	3.51E-07	1.43E-03	5.40E-07	2.12E-07	4.29E-04	1.62E-07	4.11E-09	4.52E-04	1.71E-07	4.32E-09	3.51E-07	2.12E-07
3316	489363.09, 3847877.25	0.0023509	8.89E-07	3.49E-07	1.42E-03	5.35E-07	2.10E-07	4.20E-04	1.59E-07	4.02E-09	4.42E-04	1.67E-07	4.23E-09	3.49E-07	2.10E-07
3317	489863.09, 3847877.25	0.0024027	9.08E-07	3.57E-07	1.44E-03	5.44E-07	2.14E-07	4.17E-04	1.58E-07	3.99E-09	4.39E-04	1.66E-07	4.20E-09	3.57E-07	2.14E-07
3318	490363.09, 3847877.25	0.0023737	8.97E-07	3.53E-07	1.42E-03	5.35E-07	2.10E-07	4.04E-04	1.53E-07	3.87E-09	4.28E-04	1.62E-07	4.09E-09	3.53E-07	2.11E-07
3319	490863.09, 3847877.25	0.0023573	8.91E-07	3.50E-07	1.40E-03	5.29E-07	2.08E-07	3.90E-04	1.47E-07	3.73E-09	4.11E-04	1.56E-07	3.93E-09	3.50E-07	2.08E-07
3320	491363.09, 3847877.25	0.0022898	8.66E-07	3.40E-07	1.35E-03	5.12E-07	2.01E-07	3.70E-04	1.40E-07	3.54E-09	3.90E-04	1.47E-07	3.73E-09	3.40E-07	2.01E-07
3321	491863.09, 3847877.25	0.002293	8.67E-07	3.41E-07	1.35E-03	5.10E-07	2.00E-07	3.62E-04	1.37E-07	3.46E-09	3.82E-04	1.44E-07	3.65E-09	3.41E-07	2.01E-07
3322	492363.09, 3847877.25	0.0023125	8.74E-07	3.43E-07	1.36E-03	5.12E-07	2.01E-07	3.56E-04	1.34E-07	3.40E-09	3.75E-04	1.42E-07	3.59E-09	3.44E-07	2.01E-07
3323	492863.09, 3847877.25	0.0023186	8.77E-07	3.44E-07	1.35E-03	5.12E-07	2.01E-07	3.49E-04	1.32E-07	3.34E-09	3.67E-04	1.39E-07	3.51E-09	3.45E-07	2.01E-07
3324	493363.09, 3847877.25	0.0022851	8.64E-07	3.39E-07	1.33E-03	5.02E-07	1.97E-07	3.34E-04	1.26E-07	3.19E-09	3.51E-04	1.33E-07	3.36E-09	3.40E-07	1.97E-07
3325	493863.09, 3847877.25	0.0022714	8.59E-07	3.37E-07	1.31E-03	4.97E-07	1.95E-07	3.23E-04	1.22E-07	3.09E-09	3.40E-04	1.28E-07	3.25E-09	3.38E-07	1.95E-07
3326	494363.09, 3847877.25	0.0022893	8.66E-07	3.40E-07	1.32E-03	4.98E-07	1.96E-07	3.15E-04	1.19E-07	3.01E-09	3.33E-04	1.26E-07	3.19E-09	3.40E-07	1.96E-07
3327	494863.09, 3847877.25	0.0023275	8.80E-07	3.46E-07	1.33E-03	5.04E-07	1.98E-07	3.12E-04	1.18E-07	2.98E-09	3.30E-04	1.25E-07	3.15E-09	3.46E-07	1.98E-07
3328	495363.09, 3847877.25	0.0023461	8.87E-07	3.48E-07	1.34E-03	5.06E-07	1.99E-07	3.04E-04	1.15E-07	2.91E-09	3.22E-04	1.22E-07	3.08E-09	3.49E-07	1.99E-07
3329	495863.09, 3847877.25	0.0022954	8.68E-07	3.41E-07	1.30E-03	4.92E-07	1.93E-07	2.85E-04	1.08E-07	2.73E-09	3.00E-04	1.14E-07	2.87E-09	3.41E-07	1.93E-07
3330	496363.09, 3847877.25	0.0024531	9.27E-07	3.64E-07	1.39E-03	5.25E-07	2.06E-07	3.01E-04	1.14E-07	2.88E-09	3.18E-04	1.20E-07	3.04E-09	3.65E-07	2.06E-07
3331	496863.09, 3847877.25	0.0025269	9.55E-07	3.75E-07	1.43E-03	5.39E-07	2.12E-07	3.04E-04	1.15E-07	2.91E-09	3.22E-04	1.22E-07	3.08E-09	3.75E-07	2.12E-07
3332	497363.09, 3847877.25	0.0026158	9.89E-07	3.89E-07	1.47E-03	5.57E-07	2.19E-07	3.09E-04	1.17E-07	2.95E-09	3.26E-04	1.23E-07	3.12E-09	3.89E-07	2.19E-07
3333	497863.09, 3847877.25	0.0027984	1.06E-06	4.16E-07	1.57E-03	5.94E-07	2.33E-07	3.23E-04	1.22E-07	3.09E-09	3.43E-04	1.30E-07	3.28E-09	4.16E-07	2.33E-07
3334	498363.09, 3847877.25	0.0028825	1.09E-06	4.28E-07	1.61E-03	6.10E-07	2.39E-07	3.24E-04	1.23E-07	3.10E-09	3.44E-04	1.30E-07	3.29E-09	4.28E-07	2.40E-07
3335	471363.09, 3848377.25	0.0027098	1.02E-06	4.02E-07	1.73E-03	6.54E-07	2.57E-07	6.34E-04	2.40E-07	6.07E-09	6.66E-04	2.52E-07	6.37E-09	4.03E-07	2.57E-07
3336	471863.09, 3848377.25	0.0028915	1.09E-06	4.29E-07	1.88E-03	7.11E-07	2.79E-07	7.35E-04	2.78E-07	7.03E-09	7.70E-04	2.91E-07	7.37E-09	4.30E-07	2.80E-07
3337	472363.09, 3848377.25	0.0031375	1.19E-06	4.66E-07	2.09E-03	7.91E-07	3.11E-07	8.76E-04	3.31E-07	8.38E-09	9.19E-04	3.47E-07	8.79E-09	4.66E-07	3.11E-07
3338	472863.09, 3848377.25	0.0034916	1.32E-06	5.19E-07	2.40E-03	9.09E-07	3.57E-07	1.09E-03	4.13E-07	1.04E-08	1.15E-03	4.34E-07	1.10E-08	5.19E-07	3.58E-07
3339	473363.09, 3848377.25	0.0041069	1.55E-06	6.10E-07	2.95E-03	1.12E-06	4.38E-07	1.47E-03	5.57E-07	1.41E-08	1.55E-03	5.86E-07	1.48E-08	6.11E-07	4.39E-07
3340	473863.09, 3848377.25	0.0056195	2.12E-06	8.35E-07	4.28E-03	1.62E-06	6.36E-07	2.39E-03	9.05E-07	2.29E-08	2.52E-03	9.52E-07	2.41E-08	8.36E-07	6.37E-07
3341	474363.09, 3848377.25	0.0192116	7.26E-06	2.85E-06	1.62E-02	6.13E-06	2.41E-06	1.06E-02	4.01E-06	1.02E-07	1.11E-02	4.21E-06	1.07E-07	2.86E-06	2.41E-06
3342	474863.09, 3848377.25	0.0139312	5.27E-06	2.07E-06	1.23E-02	4.65E-06	1.83E-06	8.55E-03	3.23E-06	8.18E-08	8.98E-03	3.39E-06	8.59E-08	2.07E-06	1.83E-06
3343	475363.09, 3848377.25	0.0087159	3.30E-06	1.29E-06	7.34E-03	2.77E-06	1.09E-06	4.79E-03	1.81E-06	4.59E-08	5.03E-03	1.90E-06	4.81E-08	1.30E-06	1.09E-06
3344	475863.09, 3848377.25	0.0063154	2.39E-06	9.38E-07	5.07E-03	1.92E-06	7.53E-07	3.09E-03	1.17E-06	2.96E-08	3.24E-03	1.23E-06	3.10E-08	9.40E-07	7.54E-07
3345	476363.09, 3848377.25	0.0051957	1.96E-06	7.72E-07	4.03E-03	1.52E-06	5.98E-07	2.32E-03	8.77E-07	2.22E-08	2.44E-03	9.23E-07	2.34E-08	7.73E-07	5.99E-07
3346	476863.09, 3848377.25	0.0051858	1.96E-06	7.70E-07	3.98E-03	1.50E-06	5.91E-07	2.25E-03	8.52E-07	2.16E-08	2.38E-03	8.99E-07	2.27E-08	7.71E-07	5.92E-07
3347	477363.09, 3848377.25	0.0048159	1.82E-06	7.15E-07	3.62E-03	1.37E-06	5.38E-07	1.98E-03	7.49E-07	1.90E-08	2.09E-03	7.89E-07	2.00E-08	7.16E-07	5.39E-07
3348	477863.09, 3848377.25	0.0045561	1.72E-06	6.77E-07	3.37E-03	1.27E-06	5.01E-07	1.79E-03	6.76E-07	1.71E-08	1.87E-03	7.08E-07	1.79E-08	6.78E-07	5.02E-07
3349	478363.09, 3848377.25	0.004354	1.65E-06	6.47E-07	3.16E-03	1.19E-06	4.69E-07	1.61E-03	6.08E-07	1.54E-08	1.69E-03	6.39E-07	1.62E-08	6.48E-07	4.70E-07
3350	478863.09, 3848377.25	0.0040907	1.55E-06	6.08E-07	2.91E-03	1.10E-06	4.32E-07	1.42E-03	5.37E-07	1.36E-08	1.50E-03	5.67E-07	1.43E-08	6.08E-07	4.33E-07
3351	479363.09, 3848377.25	0.0036664	1.39E-06	5.45E-07	2.55E-03	9.63E-07	3.78E-07	1.18E-03	4.47E-07	1.13E-08	1.25E-03	4.71E-07	1.19E-08	5.45E-07	3.79E-07
3352	479863.09, 3848377.25	0.0027272	1.03E-06	4.05E-07	1.80E-03	6.82E-07	2.68E-07	7.39E-04	2.80E-07	7.07E-09	7.77E-04	2.94E-07	7.43E-09	4.05E-07	2.68E-07
3353	480363.09, 3848377.25	0.0029913	1.13E-06	4.44E-07	1.99E-03	7.53E-07	2.96E-07	8.29E-04	3.13E-07	7.93E-09	8.72E-04	3.30E-07	8.34E-09	4.45E-07	2.96E-07
3354	480863.09, 3848377.25	0.0033329	1.26E-06	4.95E-07	2.21E-03	8.34E-07	3.28E-07	9.05E-04	3.42E-07	8.66E-09	9.52E-04	3.60E-07	9.10E-09	4.95E-07	3.28E-07
3355	481363.09, 3848377.25	0.0034441	1.30E-06	5.12E-07	2.23E-03	8.45E-07	3.32E-07	8.65E-04	3.27E-07	8.27E-09	9.09E-04	3.44E-07	8.70E-09	5.12E-07	3.32E-07
3356	481863.09, 3848377.25	0.0035157	1.33E-06	5.22E-07	2.25E-03	8.51E-07	3.34E-07	8.35E-04	3.16E-07	7.99E-09	8.81E-04	3.33E-07	8.43E-09	5.23E-07	3.35E-07
3357	482363.09, 3848377.25	0.0034445	1.30E-06	5.12E-07	2.19E-03	8.29E-07	3.26E-07	7.99E-04	3.02E-07	7.64E-09	8.46E-04	3.20E-07	8.09E-09	5.12E-07	3.26E-07
3358	482863.09, 3848377.25	0.0032416	1.23E-06	4.81E-07	2.05E-03	7.76E-07	3.05E-07	7.35E-04	2.78E-07	7.03E-09	7.77E-04	2.94E-07	7.43E-09	4.82E-07	3.05E-07
3359	483363.09, 3848377.25	0.0031828	1.20E-06	4.73E-07	2.00E-03	7.56E-07	2.97E-07	6.99E-04	2.64E-07	6.68E-09	7.39E-04	2.80E-07	7.07E-09	4.73E-07	2.97E-07
3360	483863.09, 3848377.25	0.0030856	1.17E-06	4.58E-07	1.92E-03	7.28E-07	2.86E-07	6.55E-04	2.48E-07	6.26E-09	6.92E-04	2.62E-07	6.62E-09	4.59E-07	2.86E-07
3361	484363.09, 3848377.25	0.0030792	1.16E-06	4.57E-07	1.91E-03	7.22E-07	2.84E-07	6.38E-04	2.41E-07	6.10E-09	6.74E-04	2.55E-07	6.45E-09	4.58E-07	2.84E-07
3362	484863.09, 3848377.25	0.0031226	1.18E-06	4.64E-07	1.93E-03	7.30E-07	2.87E-07	6.38E-04	2.41E-07	6.10E-09	6.73E-04	2.54E-07	6.43E-09	4.64E-07	2.87E-07
3363	485363.09, 3848377.25	0.0030546	1.15E-06	4.54E-07	1.88E-03	7.12E-07	2.80E-07	6.16E-04	2.33E-07	5.89E-09	6.50E-04	2.46E-07	6.21E-09	4.54E-07	2.80E-07
3364	485863.09, 3848377.25	0.002977	1.13E-06	4.42E-07	1.84E-03	6.94E-07	2.73E-07	5.98E-04	2.26E-07	5.72E-09	6.30E-04	2.38E-07	6.03E-09	4.42E-07	2.73E-07
3365	486363.09, 3848377.25	0.0028715	1.09E-06	4.27E-07	1.77E-03	6.68E-07	2.62E-07	5.72E-04	2.16E-07	5.47E-09	6.02E-04	2.28E-07	5.76E-09	4.27E-07	2.63E-07
3366	486863.09, 3848377.25	0.0027802	1.05E-06	4.13E-07	1.70E-03	6.44E-07	2.53E-07	5.44E-04	2.06E-07	5.20E-09	5.73E-04	2.17E-07	5.48E-09	4.13E-07	2.53E-07
3367	487363.09, 3848377.25	0.0026576	1.00E-06	3.95E-07	1.62E-03	6.14E-07	2.41E-07	5.11E-04	1.93E-07	4.88E-09	5.39E-04	2.04E-07	5.15E-09	3.95E-07	2.41E-07
3368	487863.09, 3848377.25	0.002639	9.98E-07	3.92E-07	1.60E-03	6.06E-07	2.38E-07	4.95E-04	1.87E-07	4.74E-09	5.22E-04	1.97E-07	5.00E-09	3.92E-07	2.39E-07
3369	488363.09, 3848377.25	0.0026338	9.96E-07	3.91E-07	1.59E-03	6.02E-07	2.36E-07	4.79E-04	1.81E-07	4.59E-09	5.06E-04	1.91E-07	4.84E-09	3.91E-07	2.37E-07
3370	488863.09, 3848377.25	0.0026288	9.94E-07	3.90E-07	1.58E-03	5.97E-07	2.35E-07	4.65E-04	1.76E-07	4.45E-09	4.91E-04	1.86E-07	4.70E-09	3.91E-07	2.35E-07
3371	489363.09, 3848377.25	0.002644	1.00E-06	3.93E-07	1.58E-03	5.98E-07	2.35E-07	4.56E-04	1.72E-07	4.36E-09	4.82E-04	1.82E-07	4.61E-09	3.93E-07	2.35E-07
3372	489863.09, 3848377.25	0.0026816	1.01E-06	3.98E-07	1.60E-03	6.04E-07	2.37E-07	4.53E-04	1.71E-07	4.33E-09	4.78E-04	1.81E-07	4.57E-09	3.99E-07	2.38E-07
3373	490363.09, 3848377.25	0.0026787	1.01E-06	3.98E-07	1.59E-03	6.00E-07	2.36E-07	4.39E-04	1.66E-07	4.20E-09	4.64E-04	1.75E-07	4.43E-09	3.98E-07	2.36E-07
3374	490863.09, 3848377.25	0.002613	9.88E-07	3.88E-07	1.54E-03	5.83E-07	2.29E-07	4.18E-04	1.58E-07	4.00E-09	4.42E-04	1.67E-07	4.23E-09	3.88E-07	2.29E-07
3375	491363.09, 3848377.25	0.0025767	9.74E-07	3.83E-07	1.51E-03	5.72E-07	2.25E-07	4.01E-04	1.52E-07	3.84E-09	4.23E-04	1.60E-07	4.04E-09	3.83E-07	2.25E-07
3376	491863.09, 3848377.25	0.0025603	9.68E-07	3.80E-07	1.50E-03	5.66E-07	2.22E-07	3.88E-04	1.47E-07	3.72E-09	4.10E-04	1.55E-07	3.92E-09	3.80E-07	2.23E-07
3377	492363.09, 3848377.25	0.0024937	9.43E-07	3.70E-07	1.45E-03	5.49E-07	2.16E-07	3.68E-04	1.39E-07	3.52E-09	3.88E-04	1.47E-07	3.72E-09	3.71E-07	2.16E-07
3378	492863.09, 3848377.25	0.0024268	9.18E-07	3.60E-07	1.41E-03	5.31E-07	2.09E-07	3.48E-04	1.31E-07	3.33E-09	3.67E-04	1.39E-07	3.51E-09	3.61E-07	2.09E-07
3379	493363.09, 3848377.25	0.0024267	9.17E-07	3.60E-07	1.40E-03	5.29E-07	2.08E-07	3.37E-04	1.27E-07	3.22E-09	3.56E-04	1.35E-07	3.40E-09	3.61E-07	2.08E-07
3380	493863.09, 3848377.25	0.0024252	9.17E-07	3.60E-07	1.39E-03	5.25E-07	2.06E-07	3.24E-04	1.23E-07	3.10E-09	3.43E-04	1.30E-07	3.28E-09	3.60E-07	2.07E-07

3381	494363.09, 3848377.25	0.0024282	9.18E-07	3.61E-07	1.39E-03	5.24E-07	2.06E-07	3.15E-04	1.19E-07	3.01E-09	3.33E-04	1.26E-07	3.19E-09	3.61E-07	2.06E-07
3382	494863.09, 3848377.25	0.0024801	9.38E-07	3.68E-07	1.41E-03	5.32E-07	2.09E-07	3.12E-04	1.18E-07	2.98E-09	3.31E-04	1.25E-07	3.17E-09	3.69E-07	2.09E-07
3383	495363.09, 3848377.25	0.002463	9.31E-07	3.66E-07	1.39E-03	5.26E-07	2.07E-07	2.98E-04	1.13E-07	2.85E-09	3.15E-04	1.19E-07	3.01E-09	3.66E-07	2.07E-07
3384	495863.09, 3848377.25	0.0024832	9.39E-07	3.69E-07	1.40E-03	5.28E-07	2.07E-07	2.91E-04	1.10E-07	2.79E-09	3.10E-04	1.17E-07	2.97E-09	3.69E-07	2.08E-07
3385	496363.09, 3848377.25	0.0025743	9.73E-07	3.82E-07	1.45E-03	5.46E-07	2.15E-07	2.98E-04	1.13E-07	2.85E-09	3.15E-04	1.19E-07	3.01E-09	3.83E-07	2.15E-07
3386	496863.09, 3848377.25	0.0026059	9.85E-07	3.87E-07	1.46E-03	5.50E-07	2.16E-07	2.90E-04	1.10E-07	2.77E-09	3.09E-04	1.17E-07	2.95E-09	3.87E-07	2.16E-07
3387	497363.09, 3848377.25	0.0027436	1.04E-06	4.08E-07	1.53E-03	5.78E-07	2.27E-07	3.01E-04	1.14E-07	2.88E-09	3.20E-04	1.21E-07	3.06E-09	4.08E-07	2.27E-07
3388	497863.09, 3848377.25	0.0030757	1.16E-06	4.57E-07	1.71E-03	6.48E-07	2.55E-07	3.35E-04	1.27E-07	3.21E-09	3.56E-04	1.35E-07	3.40E-09	4.57E-07	2.55E-07
3389	498363.09, 3848377.25	0.0031292	1.18E-06	4.65E-07	1.74E-03	6.57E-07	2.58E-07	3.34E-04	1.26E-07	3.19E-09	3.54E-04	1.34E-07	3.39E-09	4.65E-07	2.58E-07
3390	471363.09, 3848877.25	0.0026655	1.01E-06	3.96E-07	1.66E-03	6.26E-07	2.46E-07	5.56E-04	2.10E-07	5.32E-09	5.84E-04	2.21E-07	5.59E-09	3.96E-07	2.46E-07
3391	471863.09, 3848877.25	0.0028135	1.06E-06	4.18E-07	1.77E-03	6.69E-07	2.63E-07	6.19E-04	2.34E-07	5.92E-09	6.50E-04	2.46E-07	6.21E-09	4.18E-07	2.63E-07
3392	472363.09, 3848877.25	0.0030011	1.13E-06	4.46E-07	1.91E-03	7.24E-07	2.84E-07	7.02E-04	2.65E-07	6.71E-09	7.36E-04	2.78E-07	7.04E-09	4.46E-07	2.85E-07
3393	472863.09, 3848877.25	0.0032533	1.23E-06	4.83E-07	2.12E-03	8.00E-07	3.14E-07	8.26E-04	3.12E-07	7.90E-09	8.65E-04	3.27E-07	8.28E-09	4.84E-07	3.15E-07
3394	473363.09, 3848877.25	0.003607	1.36E-06	5.36E-07	2.41E-03	9.10E-07	3.57E-07	1.01E-03	3.81E-07	9.65E-09	1.06E-03	4.01E-07	1.01E-08	5.36E-07	3.58E-07
3395	473863.09, 3848877.25	0.0042645	1.61E-06	6.33E-07	2.94E-03	1.11E-06	4.36E-07	1.34E-03	5.05E-07	1.28E-08	1.41E-03	5.32E-07	1.35E-08	6.34E-07	4.37E-07
3396	474363.09, 3848877.25	0.0057784	2.18E-06	8.58E-07	4.15E-03	1.57E-06	6.17E-07	2.07E-03	7.84E-07	1.98E-08	2.18E-03	8.26E-07	2.09E-08	8.59E-07	6.18E-07
3397	474863.09, 3848877.25	0.0155359	5.87E-06	2.31E-06	1.19E-02	4.49E-06	1.76E-06	6.69E-03	2.53E-06	6.40E-08	7.04E-03	2.66E-06	6.73E-08	2.31E-06	1.77E-06
3398	475363.09, 3848877.25	0.0255292	9.65E-06	3.79E-06	2.17E-02	8.22E-06	3.23E-06	1.44E-02	5.45E-06	1.38E-07	1.51E-02	5.73E-06	1.45E-07	3.80E-06	3.24E-06
3399	475863.09, 3848877.25	0.0135901	5.14E-06	2.02E-06	1.12E-02	4.22E-06	1.66E-06	7.04E-03	2.66E-06	6.74E-08	7.40E-03	2.80E-06	7.08E-08	2.02E-06	1.66E-06
3400	476363.09, 3848877.25	0.0100931	3.82E-06	1.50E-06	8.10E-03	3.06E-06	1.20E-06	4.93E-03	1.87E-06	4.72E-08	5.18E-03	1.96E-06	4.96E-08	1.50E-06	1.21E-06
3401	476863.09, 3848877.25	0.0081766	3.09E-06	1.21E-06	6.40E-03	2.42E-06	9.50E-07	3.75E-03	1.42E-06	3.58E-08	3.94E-03	1.49E-06	3.77E-08	1.22E-06	9.52E-07
3402	477363.09, 3848877.25	0.0075401	2.85E-06	1.12E-06	5.86E-03	2.21E-06	8.70E-07	3.39E-03	1.28E-06	3.24E-08	3.57E-03	1.35E-06	3.42E-08	1.12E-06	8.72E-07
3403	477863.09, 3848877.25	0.0065662	2.48E-06	9.75E-07	4.98E-03	1.88E-06	7.40E-07	2.76E-03	1.05E-06	2.64E-08	2.91E-03	1.10E-06	2.78E-08	9.77E-07	7.41E-07
3404	478363.09, 3848877.25	0.0059602	2.25E-06	8.85E-07	4.41E-03	1.67E-06	6.55E-07	2.34E-03	8.84E-07	2.24E-08	2.45E-03	9.26E-07	2.34E-08	8.86E-07	6.56E-07
3405	478863.09, 3848877.25	0.0054649	2.07E-06	8.12E-07	3.92E-03	1.48E-06	5.83E-07	1.96E-03	7.40E-07	1.87E-08	2.06E-03	7.78E-07	1.97E-08	8.13E-07	5.84E-07
3406	479363.09, 3848877.25	0.0049144	1.86E-06	7.30E-07	3.43E-03	1.30E-06	5.10E-07	1.61E-03	6.08E-07	1.54E-08	1.70E-03	6.42E-07	1.62E-08	7.31E-07	5.10E-07
3407	479863.09, 3848877.25	0.0044221	1.67E-06	6.57E-07	3.01E-03	1.14E-06	4.48E-07	1.34E-03	5.05E-07	1.28E-08	1.41E-03	5.33E-07	1.35E-08	6.58E-07	4.49E-07
3408	480363.09, 3848877.25	0.0043564	1.65E-06	6.47E-07	2.93E-03	1.11E-06	4.35E-07	1.25E-03	4.72E-07	1.19E-08	1.32E-03	4.97E-07	1.26E-08	6.48E-07	4.35E-07
3409	480863.09, 3848877.25	0.004389	1.66E-06	6.52E-07	2.90E-03	1.09E-06	4.30E-07	1.18E-03	4.45E-07	1.13E-08	1.24E-03	4.67E-07	1.18E-08	6.52E-07	4.31E-07
3410	481363.09, 3848877.25	0.004383	1.66E-06	6.51E-07	2.83E-03	1.07E-06	4.20E-07	1.08E-03	4.07E-07	1.03E-08	1.13E-03	4.28E-07	1.08E-08	6.52E-07	4.21E-07
3411	481863.09, 3848877.25	0.004224	1.60E-06	6.27E-07	2.68E-03	1.01E-06	3.98E-07	9.63E-04	3.64E-07	9.22E-09	1.02E-03	3.84E-07	9.71E-09	6.28E-07	3.98E-07
3412	482363.09, 3848877.25	0.003827	1.45E-06	5.68E-07	2.41E-03	9.13E-07	3.59E-07	8.54E-04	3.23E-07	8.17E-09	9.01E-04	3.41E-07	8.62E-09	5.69E-07	3.59E-07
3413	482863.09, 3848877.25	0.0035304	1.33E-06	5.24E-07	2.21E-03	8.37E-07	3.29E-07	7.69E-04	2.91E-07	7.36E-09	8.11E-04	3.07E-07	7.76E-09	5.25E-07	3.29E-07
3414	483363.09, 3848877.25	0.0033545	1.27E-06	4.98E-07	2.09E-03	7.89E-07	3.10E-07	7.05E-04	2.67E-07	6.74E-09	7.44E-04	2.81E-07	7.12E-09	4.99E-07	3.10E-07
3415	483863.09, 3848877.25	0.003249	1.23E-06	4.83E-07	2.02E-03	7.63E-07	3.00E-07	6.75E-04	2.55E-07	6.46E-09	7.12E-04	2.69E-07	6.81E-09	4.83E-07	3.00E-07
3416	484363.09, 3848877.25	0.0034568	1.31E-06	5.13E-07	2.13E-03	8.07E-07	3.17E-07	6.99E-04	2.64E-07	6.68E-09	7.38E-04	2.79E-07	7.06E-09	5.14E-07	3.17E-07
3417	484863.09, 3848877.25	0.003602	1.36E-06	5.35E-07	2.21E-03	8.37E-07	3.29E-07	7.13E-04	2.69E-07	6.82E-09	7.54E-04	2.85E-07	7.21E-09	5.35E-07	3.29E-07
3418	485363.09, 3848877.25	0.0034996	1.32E-06	5.20E-07	2.15E-03	8.11E-07	3.19E-07	6.85E-04	2.59E-07	6.55E-09	7.23E-04	2.73E-07	6.92E-09	5.20E-07	3.19E-07
3419	485863.09, 3848877.25	0.0033962	1.28E-06	5.04E-07	2.08E-03	7.86E-07	3.09E-07	6.58E-04	2.49E-07	6.29E-09	6.95E-04	2.63E-07	6.65E-09	5.05E-07	3.09E-07
3420	486363.09, 3848877.25	0.0032214	1.22E-06	4.78E-07	1.97E-03	7.44E-07	2.92E-07	6.20E-04	2.35E-07	5.93E-09	6.55E-04	2.47E-07	6.26E-09	4.79E-07	2.93E-07
3421	486863.09, 3848877.25	0.0030474	1.15E-06	4.53E-07	1.86E-03	7.03E-07	2.76E-07	5.81E-04	2.20E-07	5.56E-09	6.14E-04	2.32E-07	5.87E-09	4.53E-07	2.76E-07
3422	487363.09, 3848877.25	0.0030283	1.14E-06	4.50E-07	1.84E-03	6.95E-07	2.73E-07	5.66E-04	2.14E-07	5.41E-09	5.97E-04	2.26E-07	5.71E-09	4.50E-07	2.73E-07
3423	487863.09, 3848877.25	0.002959	1.12E-06	4.40E-07	1.79E-03	6.77E-07	2.66E-07	5.42E-04	2.05E-07	5.18E-09	5.71E-04	2.16E-07	5.46E-09	4.40E-07	2.66E-07
3424	488363.09, 3848877.25	0.0029499	1.12E-06	4.38E-07	1.77E-03	6.71E-07	2.63E-07	5.23E-04	1.98E-07	5.00E-09	5.53E-04	2.09E-07	5.29E-09	4.38E-07	2.64E-07
3425	488863.09, 3848877.25	0.0029253	1.11E-06	4.34E-07	1.75E-03	6.61E-07	2.60E-07	5.04E-04	1.91E-07	4.82E-09	5.34E-04	2.02E-07	5.11E-09	4.35E-07	2.60E-07
3426	489363.09, 3848877.25	0.002925	1.11E-06	4.34E-07	1.74E-03	6.59E-07	2.59E-07	4.93E-04	1.87E-07	4.72E-09	5.22E-04	1.97E-07	5.00E-09	4.35E-07	2.59E-07
3427	489863.09, 3848877.25	0.0029552	1.12E-06	4.39E-07	1.75E-03	6.62E-07	2.60E-07	4.84E-04	1.83E-07	4.63E-09	5.13E-04	1.94E-07	4.90E-09	4.39E-07	2.60E-07
3428	490363.09, 3848877.25	0.0029131	1.10E-06	4.33E-07	1.72E-03	6.48E-07	2.55E-07	4.61E-04	1.74E-07	4.41E-09	4.88E-04	1.85E-07	4.67E-09	4.33E-07	2.55E-07
3429	490863.09, 3848877.25	0.0028586	1.08E-06	4.25E-07	1.67E-03	6.33E-07	2.49E-07	4.39E-04	1.66E-07	4.20E-09	4.64E-04	1.75E-07	4.43E-09	4.25E-07	2.49E-07
3430	491363.09, 3848877.25	0.002822	1.07E-06	4.19E-07	1.65E-03	6.22E-07	2.44E-07	4.21E-04	1.59E-07	4.03E-09	4.46E-04	1.68E-07	4.26E-09	4.19E-07	2.45E-07
3431	491863.09, 3848877.25	0.0027353	1.03E-06	4.06E-07	1.59E-03	6.00E-07	2.36E-07	3.96E-04	1.50E-07	3.79E-09	4.19E-04	1.59E-07	4.01E-09	4.07E-07	2.36E-07
3432	492363.09, 3848877.25	0.0026509	1.00E-06	3.94E-07	1.53E-03	5.79E-07	2.27E-07	3.73E-04	1.41E-07	3.57E-09	3.95E-04	1.49E-07	3.78E-09	3.94E-07	2.28E-07
3433	492863.09, 3848877.25	0.0025785	9.75E-07	3.83E-07	1.48E-03	5.59E-07	2.20E-07	3.48E-04	1.31E-07	3.33E-09	3.67E-04	1.39E-07	3.51E-09	3.83E-07	2.20E-07
3434	493363.09, 3848877.25	0.0025081	9.48E-07	3.73E-07	1.43E-03	5.41E-07	2.12E-07	3.24E-04	1.23E-07	3.10E-09	3.43E-04	1.30E-07	3.28E-09	3.73E-07	2.13E-07
3435	493863.09, 3848877.25	0.0025599	9.68E-07	3.80E-07	1.45E-03	5.49E-07	2.16E-07	3.21E-04	1.21E-07	3.07E-09	3.40E-04	1.28E-07	3.25E-09	3.80E-07	2.16E-07
3436	494363.09, 3848877.25	0.0025925	9.80E-07	3.85E-07	1.46E-03	5.54E-07	2.17E-07	3.13E-04	1.18E-07	3.00E-09	3.31E-04	1.25E-07	3.17E-09	3.85E-07	2.18E-07
3437	494863.09, 3848877.25	0.0026485	1.00E-06	3.93E-07	1.49E-03	5.64E-07	2.22E-07	3.13E-04	1.18E-07	3.00E-09	3.33E-04	1.26E-07	3.19E-09	3.94E-07	2.22E-07
3438	495363.09, 3848877.25	0.0027138	1.03E-06	4.03E-07	1.52E-03	5.75E-07	2.26E-07	3.10E-04	1.17E-07	2.97E-09	3.30E-04	1.25E-07	3.15E-09	4.03E-07	2.26E-07
3439	495863.09, 3848877.25	0.0026807	1.01E-06	3.98E-07	1.49E-03	5.65E-07	2.22E-07	2.95E-04	1.11E-07	2.82E-09	3.12E-04	1.18E-07	2.98E-09	3.98E-07	2.22E-07
3440	496363.09, 3848877.25	0.0027322	1.03E-06	4.06E-07	1.52E-03	5.74E-07	2.25E-07	2.91E-04	1.10E-07	2.79E-09	3.10E-04	1.17E-07	2.97E-09	4.06E-07	2.26E-07
3441	496863.09, 3848877.25	0.0028702	1.09E-06	4.26E-07	1.59E-03	6.02E-07	2.36E-07	3.02E-04	1.14E-07	2.89E-09	3.22E-04	1.22E-07	3.08E-09	4.26E-07	2.37E-07
3442	497363.09, 3848877.25	0.0031394	1.19E-06	4.66E-07	1.74E-03	6.58E-07	2.59E-07	3.31E-04	1.25E-07	3.16E-09	3.51E-04	1.33E-07	3.36E-09	4.66E-07	2.59E-07
3443	497863.09, 3848877.25	0.0033011	1.25E-06	4.90E-07	1.83E-03	6.90E-07	2.71E-07	3.38E-04	1.28E-07	3.24E-09	3.61E-04	1.36E-07	3.45E-09	4.91E-07	2.71E-07
3444	498363.09, 3848877.25	0.0034182	1.29E-06	5.08E-07	1.89E-03	7.13E-07	2.80E-07	3.43E-04	1.30E-07	3.28E-09	3.66E-04	1.38E-07	3.50E-09	5.08E-07	2.80E-07
3445	471363.09, 3849377.25	0.0026349	9.96E-07	3.91E-07	1.60E-03	6.04E-07	2.37E-07	4.87E-04	1.84E-07	4.66E-09	5.13E-04	1.94E-07	4.90E-09	3.92E-07	2.37E-07
3446	471863.09, 3849377.25	0.0027681	1.05E-06	4.11E-07	1.70E-03	6.41E-07	2.52E-07	5.39E-04	2.04E-07	5.15E-09	5.68E-04	2.15E-07	5.43E-09	4.11E-07	2.52E-07
3447	472363.09, 3849377.25	0.0029255	1.11E-06	4.35E-07	1.81E-03	6.84E-07	2.69E-07	5.98E-04	2.26E-07	5.72E-09	6.30E-04	2.38E-07	6.03E-09	4.35E-07	2.69E-07
3448	472863.09, 3849377.25	0.0031187	1.18E-06	4.63E-07	1.95E-03	7.39E-07	2.90E-07	6.75E-04	2.55E-07	6.46E-09	7.08E-04	2.68E-07	6.78E-09	4.64E-07	2.91E-07
3449	473363.09, 3849377.25	0.0033864	1.28E-06	5.03E-07	2.16E-03	8.16E-07	3.21E-07	7.90E-04	2.99E-07	7.55E-09	8.28E-04	3.13E-07	7.92E-09	5.03E-07	3.21E-07
3450	473863.09, 3849377.25	0.0037483	1.42E-06	5.57E-07	2.44E-03	9.23E-07	3.63E-07	9.57E-04	3.62E-07	9.16E-09	1.00E-03	3.80E-07	9.60E-09	5.57E-07	3.63E-07
3451	474363.09, 3849377.25	0.0042902	1.62E-06	6.37E-07	2.87E-03	1.09E-06	4.27E-07	1.21E-03	4.59E-07	1.16E-08	1.28E-03	4.83E-07	1.22E-08	6.38E-07	4.27E-07
3452	474863.09, 3849377.25	0.0052281	1.98E-06	7.77E-07	3.63E-03	1.37E-06	5.39E-07	1.68E-03	6.34E-07	1.60E-08	1.77E-03	6.68E-07	1.69E-08	7.77E-07	5.40E-07
3453	475363.09, 3849377.25	0.0073361	2.77E-06	1.09E-06	5.34E-03	2.02E-06	7.93E-07	2.74E-03	1.03E-06	2.62E-08	2.88E-03	1.09E-06	2.76E-08	1.09E-06	7.94E-07
3454	475863.09, 3849377.25	0.0124731	4.72E-06	1.85E-06	9.13E-03	3.45E-06	1.36E-06	4.73E-03	1.79E-06	4.53E-08	4.97E-03	1.88E-06	4.75E-08	1.85E-06	1.36E-06
3455	476363.09, 3849377.25	0.0259721	9.82E-06	3.86E-06	1.93E-02	7.30E-06	2.87E-06	1.03E-02	3.91E-06	9.90E-08	1.08E-02	4.10E-06	1.04E-07	3.86E-06	2.87E-06
3456	476863.09, 3849377.25	0.0556684	2.10E-05	8.27E-06	4.56E-02	1.72E-05	6.77E-06	2.86E-02	1.08E-05	2.74E-07	3.02E-02	1.14E-05	2.89E-07	8.28E-06	6.78E-06
3457	477363.09, 3849377.25	0.0181217	6.85E-06	2.69E-06	1.41E-02	5.34E-06	2.10E-06	8.23E-03	3.11E-06	7.87E-08	8.64E-03	3.27E-06	8.27E-08	2.70E-06	2.10E-06
3458	477863.09, 3849377.25	0.0118184	4.47E-06	1.76E-06	8.94E-03	3.38E-06	1.33E-06	4.94E-03	1.87E-06	4.72E-08	5.19E-03	1.96E-06	4.97E-08	1.76E-06	1.33E-06
3459	478363.09, 3849377.25	0.0095433	3.61E-06	1.42E-06	6.99E-03	2.64E-06	1.04E-06	3.64E-03	1.37E-06	3.48E-08	3.82E-03	1.44E-06	3.65E-08	1.42E-06	1.04E-06
3460	478863.09, 3849377.25	0.0082471	3.12E-06	1.22E-06	5.79E-03	2.19E-06	8.60E-07	2.75E-03	1.04E-06	2.63E-08	2.88E-03	1.09E-06	2.75E-08	1.23E-06	8.61E-07
3461	479363.09, 3849377.25	0.0074365	2.81E-06	1.10E-06	5.07E-03	1.92E-06	7.53E-07	2.25E-03	8.49E-07	2.15E-08	2.36E-03	8.92E-07	2.26E-08	1.11E-06	7.54E-07
3462	479863.09, 3849377.25	0.0063799	2.41E-06	9.48E-07	4.24E-03	1.60E-06	6.31E-07	1.77E-03	6.67E-07	1.69E-08	1.86E-03	7.04E-07	1.78E-08	9.49E-07	6.31E-07
3463	480363.09, 3849377.25	0.0062795	2.37E-06	9.33E-07	4.14E-03	1.56E-06	6.14E-07	1.67E-03	6.33E-07	1.60E-08	1.76E-03	6.67E-07	1.69E-08	9.34E-07	6.15E-07
3464	480863.09, 3849377.25	0.0057989	2.19E-06	8.61E-07	3.77E-03	1.43E-06	5.60E-07	1.47E-03	5.56E-07	1.41E-08	1.55E-03	5.86E-07	1.48E-08	8.62E-07	5.61E-07
3465	481363.09, 3849377.25	0.0053529	2.02E-06	7.95E-07	3.42E-03	1.29E-06	5.08E-07	1.26E-03	4.76E-07	1.20E-08	1.32E-03	4.99E-07	1.26E-08	7.96E-07	5.08E-07
3466	481863.09, 3849377.25	0.0047215	1.79E-06	7.01E-07	2.96E-03	1.12E-06	4.40E-07	1.03E-03	3.90E-07	9.87E-09	1.09E-03	4.10E-07	1.04E-08	7.02E-07	4.41E-07
3467	482363.09, 3849377.25	0.0043221	1.63E-06	6.42E-07	2.70E-03	1.02E-06	4.01E-07	9.21E-04	3.48E-07	8.81E-09	9.70E-04	3.67E-07	9.27E-09	6.42E-07	4.01E-07
3468	482863.09, 3849377.25	0.0038979	1.47E-06	5.79E-07	2.42E-03	9.15E-07	3.60E-07	8.11E-04	3.07E-07	7.76E-09	8.55E-04	3.23E-07	8.18E-09	5.79E-07	3.60E-07
3469	483363.09, 3849377.25	0.0036386	1.38E-06	5.40E-07	2.25E-03	8.52E-07	3.35E-07	7.46E-04	2.82E-07	7.13E-09	7.87E-04	2.97E-07	7.53E-09	5.41E-07	3.35E-07
3470	483863.09, 3849377.25	0.0033379	1.26E-06	4.96E-07	2.06E-03	7.78E-07	3.05E-07	6.69E-04	2.53E-07	6.40E-09	7.05E-04	2.67E-07	6.75E-09	4.96E-07	3.06E-07
3471	484363.09, 3849377.25	0.0038785	1.47E-06	5.76E-07	2.38E-03	9.00E-07	3.53E-07	7.61E-04	2.88E-07	7.28E-09	8.05E-04	3.04E-07	7.70E-09	5.77E-07	3.54E-07
3472	484863.09, 3849377.25	0.0041359	1.56E-06	6.14E-07	2.52E-03	9.53E-07	3.75E-07	7.88E-04	2.98E-07	7.54E-09	8.34E-04	3.15E-07	7.98E-09	6.15E-07	3.75E-07
3473	485363.09, 3849377.25	0.004029	1.52E-06	5.98E-07	2.45E-03	9.26E-07	3.64E-07	7.55E-04	2.85E-07	7.22E-09	8.00E-04	3.02E-07	7.65E-09	5.99E-07	3.64E-07
3474	485863.09, 3849377.25	0.0035609	1.35E-06	5.29E-07	2.16E-03	8.19E-07	3.22E-07	6.69E-04	2.53E-07	6.40E-09	7.07E-04	2.67E-07	6.76E-09	5.29E-07	3.22E-07

3475	486363.09, 3849377.25	0.0032083	1.21E-06	4.77E-07	1.95E-03	7.36E-07	2.89E-07	5.98E-04	2.26E-07	5.72E-09	6.32E-04	2.39E-07	6.04E-09	4.77E-07	2.90E-07
3476	486863.09, 3849377.25	0.0033755	1.28E-06	5.01E-07	2.05E-03	7.73E-07	3.04E-07	6.23E-04	2.36E-07	5.96E-09	6.58E-04	2.49E-07	6.29E-09	5.02E-07	3.04E-07
3477	487363.09, 3849377.25	0.0033876	1.28E-06	5.03E-07	2.04E-03	7.73E-07	3.03E-07	6.11E-04	2.31E-07	5.84E-09	6.45E-04	2.44E-07	6.17E-09	5.03E-07	3.04E-07
3478	487863.09, 3849377.25	0.0033436	1.26E-06	4.97E-07	2.01E-03	7.58E-07	2.98E-07	5.86E-04	2.22E-07	5.60E-09	6.19E-04	2.34E-07	5.92E-09	4.97E-07	2.98E-07
3479	488363.09, 3849377.25	0.0033148	1.25E-06	4.92E-07	1.98E-03	7.47E-07	2.94E-07	5.62E-04	2.13E-07	5.38E-09	5.96E-04	2.25E-07	5.70E-09	4.93E-07	2.94E-07
3480	488863.09, 3849377.25	0.0032922	1.24E-06	4.89E-07	1.95E-03	7.39E-07	2.90E-07	5.45E-04	2.06E-07	5.21E-09	5.78E-04	2.18E-07	5.53E-09	4.89E-07	2.91E-07
3481	489363.09, 3849377.25	0.0032868	1.24E-06	4.88E-07	1.94E-03	7.34E-07	2.88E-07	5.29E-04	2.00E-07	5.06E-09	5.60E-04	2.12E-07	5.36E-09	4.88E-07	2.89E-07
3482	489863.09, 3849377.25	0.0032485	1.23E-06	4.83E-07	1.91E-03	7.22E-07	2.84E-07	5.09E-04	1.92E-07	4.87E-09	5.39E-04	2.04E-07	5.15E-09	4.83E-07	2.84E-07
3483	490363.09, 3849377.25	0.0031869	1.20E-06	4.73E-07	1.86E-03	7.04E-07	2.77E-07	4.81E-04	1.82E-07	4.60E-09	5.09E-04	1.93E-07	4.87E-09	4.74E-07	2.77E-07
3484	490863.09, 3849377.25	0.0031451	1.19E-06	4.67E-07	1.83E-03	6.91E-07	2.71E-07	4.59E-04	1.74E-07	4.39E-09	4.86E-04	1.84E-07	4.65E-09	4.67E-07	2.72E-07
3485	491363.09, 3849377.25	0.0031068	1.17E-06	4.61E-07	1.80E-03	6.79E-07	2.67E-07	4.40E-04	1.66E-07	4.21E-09	4.65E-04	1.76E-07	4.45E-09	4.62E-07	2.67E-07
3486	491863.09, 3849377.25	0.0029894	1.13E-06	4.44E-07	1.72E-03	6.51E-07	2.56E-07	4.12E-04	1.56E-07	3.94E-09	4.36E-04	1.65E-07	4.17E-09	4.44E-07	2.56E-07
3487	492363.09, 3849377.25	0.0029034	1.10E-06	4.31E-07	1.66E-03	6.29E-07	2.47E-07	3.87E-04	1.46E-07	3.70E-09	4.10E-04	1.55E-07	3.92E-09	4.31E-07	2.47E-07
3488	492863.09, 3849377.25	0.0027933	1.06E-06	4.15E-07	1.59E-03	6.00E-07	2.36E-07	3.54E-04	1.34E-07	3.39E-09	3.75E-04	1.42E-07	3.59E-09	4.15E-07	2.36E-07
3489	493363.09, 3849377.25	0.002761	1.04E-06	4.10E-07	1.56E-03	5.91E-07	2.32E-07	3.38E-04	1.28E-07	3.24E-09	3.57E-04	1.35E-07	3.42E-09	4.10E-07	2.32E-07
3490	493863.09, 3849377.25	0.0027893	1.05E-06	4.14E-07	1.57E-03	5.93E-07	2.33E-07	3.27E-04	1.24E-07	3.13E-09	3.48E-04	1.31E-07	3.33E-09	4.14E-07	2.33E-07
3491	494363.09, 3849377.25	0.0028575	1.08E-06	4.24E-07	1.60E-03	6.05E-07	2.38E-07	3.26E-04	1.23E-07	3.12E-09	3.46E-04	1.31E-07	3.31E-09	4.25E-07	2.38E-07
3492	494863.09, 3849377.25	0.0030409	1.15E-06	4.52E-07	1.70E-03	6.43E-07	2.52E-07	3.40E-04	1.29E-07	3.25E-09	3.62E-04	1.37E-07	3.47E-09	4.52E-07	2.53E-07
3493	495363.09, 3849377.25	0.0031108	1.18E-06	4.62E-07	1.73E-03	6.55E-07	2.57E-07	3.40E-04	1.29E-07	3.25E-09	3.62E-04	1.37E-07	3.47E-09	4.62E-07	2.58E-07
3494	495863.09, 3849377.25	0.0029217	1.10E-06	4.34E-07	1.62E-03	6.11E-07	2.40E-07	2.99E-04	1.13E-07	2.86E-09	3.18E-04	1.20E-07	3.04E-09	4.34E-07	2.40E-07
3495	496363.09, 3849377.25	0.0029239	1.11E-06	4.34E-07	1.61E-03	6.09E-07	2.39E-07	2.90E-04	1.10E-07	2.77E-09	3.09E-04	1.17E-07	2.95E-09	4.34E-07	2.39E-07
3496	496863.09, 3849377.25	0.0032721	1.24E-06	4.86E-07	1.80E-03	6.82E-07	2.68E-07	3.26E-04	1.23E-07	3.12E-09	3.49E-04	1.32E-07	3.34E-09	4.86E-07	2.68E-07
3497	497363.09, 3849377.25	0.0033907	1.28E-06	5.04E-07	1.86E-03	7.05E-07	2.77E-07	3.32E-04	1.26E-07	3.18E-09	3.56E-04	1.35E-07	3.40E-09	5.04E-07	2.77E-07
3498	497863.09, 3849377.25	0.0038177	1.44E-06	5.67E-07	2.09E-03	7.92E-07	3.11E-07	3.65E-04	1.38E-07	3.49E-09	3.92E-04	1.48E-07	3.75E-09	5.67E-07	3.11E-07
3499	498363.09, 3849377.25	0.003776	1.43E-06	5.61E-07	2.07E-03	7.81E-07	3.07E-07	3.52E-04	1.33E-07	3.37E-09	3.79E-04	1.43E-07	3.62E-09	5.61E-07	3.07E-07
3500	471363.09, 3849877.25	0.0025828	9.76E-07	3.84E-07	1.52E-03	5.75E-07	2.26E-07	4.10E-04	1.55E-07	3.93E-09	4.34E-04	1.64E-07	4.15E-09	3.84E-07	2.26E-07
3501	471863.09, 3849877.25	0.0027801	1.05E-06	4.13E-07	1.66E-03	6.29E-07	2.47E-07	4.81E-04	1.82E-07	4.60E-09	5.08E-04	1.92E-07	4.86E-09	4.13E-07	2.47E-07
3502	472363.09, 3849877.25	0.0029284	1.11E-06	4.35E-07	1.77E-03	6.69E-07	2.63E-07	5.34E-04	2.02E-07	5.11E-09	5.63E-04	2.13E-07	5.39E-09	4.35E-07	2.63E-07
3503	472863.09, 3849877.25	0.0030479	1.15E-06	4.53E-07	1.86E-03	7.04E-07	2.77E-07	5.86E-04	2.22E-07	5.60E-09	6.17E-04	2.33E-07	5.90E-09	4.53E-07	2.77E-07
3504	473363.09, 3849877.25	0.0032172	1.22E-06	4.78E-07	1.99E-03	7.52E-07	2.95E-07	6.55E-04	2.48E-07	6.26E-09	6.89E-04	2.60E-07	6.59E-09	4.78E-07	2.96E-07
3505	473863.09, 3849877.25	0.0034126	1.29E-06	5.07E-07	2.14E-03	8.10E-07	3.18E-07	7.44E-04	2.81E-07	7.12E-09	7.83E-04	2.96E-07	7.49E-09	5.07E-07	3.18E-07
3506	474363.09, 3849877.25	0.0036475	1.38E-06	5.42E-07	2.33E-03	8.82E-07	3.47E-07	8.65E-04	3.27E-07	8.27E-09	9.08E-04	3.43E-07	8.68E-09	5.42E-07	3.47E-07
3507	474863.09, 3849877.25	0.0039314	1.49E-06	5.84E-07	2.57E-03	9.71E-07	3.81E-07	1.01E-03	3.83E-07	9.69E-09	1.06E-03	4.02E-07	1.02E-08	5.84E-07	3.82E-07
3508	475363.09, 3849877.25	0.0043345	1.64E-06	6.44E-07	2.89E-03	1.09E-06	4.30E-07	1.21E-03	4.59E-07	1.16E-08	1.28E-03	4.84E-07	1.22E-08	6.44E-07	4.30E-07
3509	475863.09, 3849877.25	0.0051079	1.93E-06	7.59E-07	3.44E-03	1.30E-06	5.11E-07	1.48E-03	5.60E-07	1.42E-08	1.57E-03	5.92E-07	1.50E-08	7.59E-07	5.12E-07
3510	476363.09, 3849877.25	0.006223	2.35E-06	9.24E-07	4.25E-03	1.61E-06	6.31E-07	1.89E-03	7.15E-07	1.81E-08	2.00E-03	7.55E-07	1.91E-08	9.25E-07	6.32E-07
3511	476863.09, 3849877.25	0.0084384	3.19E-06	1.25E-06	5.92E-03	2.24E-06	8.80E-07	2.81E-03	1.06E-06	2.69E-08	2.96E-03	1.12E-06	2.83E-08	1.25E-06	8.81E-07
3512	477363.09, 3849877.25	0.0177425	6.71E-06	2.64E-06	1.29E-02	4.88E-06	1.92E-06	6.64E-03	2.51E-06	6.35E-08	7.00E-03	2.65E-06	6.69E-08	2.64E-06	1.92E-06
3513	477863.09, 3849877.25	0.0816202	3.09E-05	1.21E-05	6.04E-02	2.28E-05	8.97E-06	3.20E-02	1.21E-05	3.06E-07	3.31E-02	1.25E-05	3.17E-07	1.21E-05	8.98E-06
3514	478363.09, 3849877.25	0.0255685	9.67E-06	3.80E-06	1.81E-02	6.83E-06	2.68E-06	8.72E-03	3.30E-06	8.34E-08	9.12E-03	3.45E-06	8.72E-08	3.80E-06	2.69E-06
3515	478863.09, 3849877.25	0.0163952	6.20E-06	2.44E-06	1.14E-02	4.30E-06	1.69E-06	5.24E-03	1.98E-06	5.01E-08	5.48E-03	2.07E-06	5.24E-08	2.44E-06	1.69E-06
3516	479363.09, 3849877.25	0.0126542	4.78E-06	1.88E-06	8.48E-03	3.21E-06	1.26E-06	3.60E-03	1.36E-06	3.44E-08	3.76E-03	1.42E-06	3.60E-08	1.88E-06	1.26E-06
3517	479863.09, 3849877.25	0.0106516	4.03E-06	1.58E-06	7.03E-03	2.66E-06	1.04E-06	2.86E-03	1.08E-06	2.74E-08	3.01E-03	1.14E-06	2.87E-08	1.58E-06	1.05E-06
3518	480363.09, 3849877.25	0.0090237	3.41E-06	1.34E-06	5.80E-03	2.19E-06	8.62E-07	2.19E-03	8.27E-07	2.09E-08	2.30E-03	8.70E-07	2.20E-08	1.34E-06	8.63E-07
3519	480863.09, 3849877.25	0.0077855	2.94E-06	1.16E-06	4.94E-03	1.87E-06	7.33E-07	1.77E-03	6.71E-07	1.70E-08	1.87E-03	7.07E-07	1.79E-08	1.16E-06	7.34E-07
3520	481363.09, 3849877.25	0.0069517	2.63E-06	1.03E-06	4.36E-03	1.65E-06	6.48E-07	1.52E-03	5.75E-07	1.45E-08	1.59E-03	6.03E-07	1.53E-08	1.03E-06	6.49E-07
3521	481863.09, 3849877.25	0.0056561	2.14E-06	8.40E-07	3.51E-03	1.33E-06	5.22E-07	1.18E-03	4.45E-07	1.13E-08	1.23E-03	4.67E-07	1.18E-08	8.41E-07	5.22E-07
3522	482363.09, 3849877.25	0.0049503	1.87E-06	7.35E-07	3.06E-03	1.16E-06	4.54E-07	1.01E-03	3.81E-07	9.63E-09	1.06E-03	4.01E-07	1.01E-08	7.36E-07	4.55E-07
3523	482863.09, 3849877.25	0.0044517	1.68E-06	6.61E-07	2.74E-03	1.04E-06	4.07E-07	8.93E-04	3.38E-07	8.54E-09	9.40E-04	3.55E-07	8.99E-09	6.62E-07	4.08E-07
3524	483363.09, 3849877.25	0.0040125	1.52E-06	5.96E-07	2.46E-03	9.32E-07	3.66E-07	7.93E-04	3.00E-07	7.58E-09	8.36E-04	3.16E-07	7.99E-09	5.96E-07	3.67E-07
3525	483863.09, 3849877.25	0.0038824	1.47E-06	5.77E-07	2.38E-03	8.98E-07	3.53E-07	7.53E-04	2.85E-07	7.21E-09	7.97E-04	3.01E-07	7.62E-09	5.77E-07	3.53E-07
3526	484363.09, 3849877.25	0.0043566	1.65E-06	6.47E-07	2.65E-03	1.00E-06	3.94E-07	8.26E-04	3.12E-07	7.90E-09	8.73E-04	3.30E-07	8.35E-09	6.48E-07	3.95E-07
3527	484863.09, 3849877.25	0.0047828	1.81E-06	7.10E-07	2.90E-03	1.09E-06	4.30E-07	8.79E-04	3.32E-07	8.41E-09	9.32E-04	3.52E-07	8.92E-09	7.11E-07	4.31E-07
3528	485363.09, 3849877.25	0.0045329	1.71E-06	6.73E-07	2.73E-03	1.03E-06	4.06E-07	8.18E-04	3.09E-07	7.82E-09	8.67E-04	3.28E-07	8.29E-09	6.74E-07	4.07E-07
3529	485863.09, 3849877.25	0.0041219	1.56E-06	6.12E-07	2.49E-03	9.40E-07	3.69E-07	7.43E-04	2.81E-07	7.10E-09	7.85E-04	2.97E-07	7.51E-09	6.13E-07	3.70E-07
3530	486363.09, 3849877.25	0.0038676	1.46E-06	5.74E-07	2.33E-03	8.81E-07	3.46E-07	6.96E-04	2.63E-07	6.65E-09	7.35E-04	2.78E-07	7.03E-09	5.75E-07	3.47E-07
3531	486863.09, 3849877.25	0.0039312	1.49E-06	5.84E-07	2.36E-03	8.93E-07	3.51E-07	6.94E-04	2.62E-07	6.64E-09	7.33E-04	2.77E-07	7.01E-09	5.84E-07	3.51E-07
3532	487363.09, 3849877.25	0.0038547	1.46E-06	5.73E-07	2.31E-03	8.72E-07	3.43E-07	6.66E-04	2.52E-07	6.37E-09	7.04E-04	2.66E-07	6.73E-09	5.73E-07	3.43E-07
3533	487863.09, 3849877.25	0.0037619	1.42E-06	5.59E-07	2.24E-03	8.47E-07	3.33E-07	6.34E-04	2.40E-07	6.07E-09	6.71E-04	2.54E-07	6.42E-09	5.59E-07	3.33E-07
3534	488363.09, 3849877.25	0.0037154	1.40E-06	5.52E-07	2.20E-03	8.32E-07	3.27E-07	6.08E-04	2.30E-07	5.81E-09	6.45E-04	2.44E-07	6.17E-09	5.52E-07	3.27E-07
3535	488863.09, 3849877.25	0.0036871	1.39E-06	5.48E-07	2.17E-03	8.22E-07	3.23E-07	5.86E-04	2.22E-07	5.60E-09	6.22E-04	2.35E-07	5.95E-09	5.48E-07	3.23E-07
3536	489363.09, 3849877.25	0.0036566	1.38E-06	5.43E-07	2.14E-03	8.10E-07	3.18E-07	5.61E-04	2.12E-07	5.36E-09	5.96E-04	2.25E-07	5.70E-09	5.43E-07	3.18E-07
3537	489863.09, 3849877.25	0.0035962	1.36E-06	5.34E-07	2.09E-03	7.92E-07	3.11E-07	5.33E-04	2.01E-07	5.09E-09	5.66E-04	2.14E-07	5.42E-09	5.34E-07	3.11E-07
3538	490363.09, 3849877.25	0.0035196	1.33E-06	5.23E-07	2.04E-03	7.71E-07	3.03E-07	5.04E-04	1.91E-07	4.82E-09	5.35E-04	2.02E-07	5.12E-09	5.23E-07	3.03E-07
3539	490863.09, 3849877.25	0.0034753	1.31E-06	5.16E-07	2.00E-03	7.57E-07	2.97E-07	4.81E-04	1.82E-07	4.60E-09	5.11E-04	1.93E-07	4.89E-09	5.16E-07	2.98E-07
3540	491363.09, 3849877.25	0.0034488	1.30E-06	5.12E-07	1.98E-03	7.47E-07	2.93E-07	4.61E-04	1.74E-07	4.41E-09	4.88E-04	1.85E-07	4.67E-09	5.13E-07	2.94E-07
3541	491863.09, 3849877.25	0.0033296	1.26E-06	4.95E-07	1.90E-03	7.18E-07	2.82E-07	4.31E-04	1.63E-07	4.12E-09	4.57E-04	1.73E-07	4.37E-09	4.95E-07	2.82E-07
3542	492363.09, 3849877.25	0.0032434	1.23E-06	4.82E-07	1.84E-03	6.96E-07	2.73E-07	4.06E-04	1.53E-07	3.88E-09	4.31E-04	1.63E-07	4.12E-09	4.82E-07	2.74E-07
3543	492863.09, 3849877.25	0.0031538	1.19E-06	4.68E-07	1.78E-03	6.73E-07	2.64E-07	3.78E-04	1.43E-07	3.61E-09	4.03E-04	1.52E-07	3.86E-09	4.69E-07	2.64E-07
3544	493363.09, 3849877.25	0.0030943	1.17E-06	4.60E-07	1.73E-03	6.55E-07	2.57E-07	3.51E-04	1.33E-07	3.36E-09	3.74E-04	1.41E-07	3.58E-09	4.60E-07	2.58E-07
3545	493863.09, 3849877.25	0.0030762	1.16E-06	4.57E-07	1.71E-03	6.48E-07	2.55E-07	3.35E-04	1.27E-07	3.21E-09	3.56E-04	1.35E-07	3.40E-09	4.57E-07	2.55E-07
3546	494363.09, 3849877.25	0.0033112	1.25E-06	4.92E-07	1.84E-03	6.97E-07	2.74E-07	3.57E-04	1.35E-07	3.42E-09	3.82E-04	1.44E-07	3.65E-09	4.92E-07	2.74E-07
3547	494863.09, 3849877.25	0.0035051	1.33E-06	5.21E-07	1.94E-03	7.35E-07	2.89E-07	3.68E-04	1.39E-07	3.52E-09	3.93E-04	1.49E-07	3.76E-09	5.21E-07	2.89E-07
3548	495363.09, 3849877.25	0.0033715	1.27E-06	5.01E-07	1.86E-03	7.03E-07	2.76E-07	3.38E-04	1.28E-07	3.24E-09	3.62E-04	1.37E-07	3.47E-09	5.01E-07	2.76E-07
3549	495863.09, 3849877.25	0.0035699	1.35E-06	5.30E-07	1.97E-03	7.43E-07	2.92E-07	3.54E-04	1.34E-07	3.39E-09	3.79E-04	1.43E-07	3.62E-09	5.30E-07	2.92E-07
3550	496363.09, 3849877.25	0.0036797	1.39E-06	5.47E-07	2.02E-03	7.64E-07	3.00E-07	3.54E-04	1.34E-07	3.39E-09	3.79E-04	1.43E-07	3.62E-09	5.47E-07	3.00E-07
3551	496863.09, 3849877.25	0.0037615	1.42E-06	5.59E-07	2.06E-03	7.78E-07	3.06E-07	3.52E-04	1.33E-07	3.37E-09	3.77E-04	1.43E-07	3.61E-09	5.59E-07	3.06E-07
3552	497363.09, 3849877.25	0.0040746	1.54E-06	6.05E-07	2.22E-03	8.40E-07	3.30E-07	3.71E-04	1.40E-07	3.55E-09	4.00E-04	1.51E-07	3.83E-09	6.05E-07	3.30E-07
3553	497863.09, 3849877.25	0.0042017	1.59E-06	6.24E-07	2.29E-03	8.64E-07	3.40E-07	3.73E-04	1.41E-07	3.57E-09	4.03E-04	1.52E-07	3.86E-09	6.24E-07	3.40E-07
3554	498363.09, 3849877.25	0.0041485	1.57E-06	6.16E-07	2.25E-03	8.52E-07	3.35E-07	3.62E-04	1.37E-07	3.46E-09	3.90E-04	1.47E-07	3.73E-09	6.16E-07	3.35E-07
3555	471363.09, 3850377.25	0.0024325	9.20E-07	3.61E-07	1.38E-03	5.21E-07	2.05E-07	3.01E-04	1.14E-07	2.88E-09	3.20E-04	1.21E-07	3.06E-09	3.61E-07	2.05E-07
3556	471863.09, 3850377.25	0.0026769	1.01E-06	3.98E-07	1.55E-03	5.87E-07	2.30E-07	3.85E-04	1.46E-07	3.69E-09	4.08E-04	1.54E-07	3.90E-09	3.98E-07	2.31E-07
3557	472363.09, 3850377.25	0.0028258	1.07E-06	4.20E-07	1.66E-03	6.27E-07	2.46E-07	4.39E-04	1.66E-07	4.20E-09	4.65E-04	1.76E-07	4.45E-09	4.20E-07	2.47E-07
3558	472863.09, 3850377.25	0.0030096	1.14E-06	4.47E-07	1.79E-03	6.78E-07	2.66E-07	5.09E-04	1.92E-07	4.87E-09	5.39E-04	2.04E-07	5.15E-09	4.47E-07	2.67E-07
3559	473363.09, 3850377.25	0.0031381	1.19E-06	4.66E-07	1.89E-03	7.14E-07	2.80E-07	5.58E-04	2.11E-07	5.33E-09	5.88E-04	2.22E-07	5.62E-09	4.66E-07	2.81E-07
3560	473863.09, 3850377.25	0.0032657	1.23E-06	4.85E-07	1.99E-03	7.51E-07	2.95E-07	6.16E-04	2.33E-07	5.89E-09	6.50E-04	2.46E-07	6.21E-09	4.85E-07	2.95E-07
3561	474363.09, 3850377.25	0.0034312	1.30E-06	5.10E-07	2.11E-03	7.98E-07	3.13E-07	6.81E-04	2.58E-07	6.52E-09	7.18E-04	2.72E-07	6.87E-09	5.10E-07	3.14E-07
3562	474863.09, 3850377.25	0.0035973	1.36E-06	5.34E-07	2.24E-03	8.47E-07	3.33E-07	7.58E-04	2.87E-07	7.25E-09	7.98E-04	3.02E-07	7.64E-09	5.35E-07	3.33E-07
3563	475363.09, 3850377.25	0.0038222	1.45E-06	5.68E-07	2.41E-03	9.11E-07	3.58E-07	8.49E-04	3.21E-07	8.12E-09	8.91E-04	3.37E-07	8.53E-09	5.68E-07	3.58E-07
3564	475863.09, 3850377.25	0.0042033	1.59E-06	6.24E-07	2.68E-03	1.01E-06	3.98E-07	9.78E-04	3.70E-07	9.35E-09	1.03E-03	3.89E-07	9.84E-09	6.25E-07	3.98E-07
3565	476363.09, 3850377.25	0.0047147	1.78E-06	7.00E-07	3.03E-03	1.14E-06	4.50E-07	1.13E-03	4.29E-07	1.08E-08	1.20E-03	4.53E-07	1.15E-08	7.01E-07	4.50E-07
3566	476863.09, 3850377.25	0.005388	2.04E-06	8.00E-07	3.50E-03	1.32E-06	5.21E-07	1.37E-03	5.16E-07	1.31E-08	1.45E-03	5.47E-07	1.38E-08	8.01E-07	5.21E-07
3567	477363.09, 3850377.25	0.0064459	2.44E-06	9.57E-07	4.28E-03	1.62E-06	6.35E-07	1.76E-03	6.67E-07	1.69E-08	1.86E-03	7.05E-07	1.78E-08	9.58E-07	6.36E-07
3568	477863.09, 3850377.25	0.0087771	3.32E-06	1.30E-06	5.98E-03	2.26E-06	8.88E-07	2.64E-03	1.00E-06	2.53E-08	2.79E-03	1.05E-06	2.67E-08	1.31E-06	8.89E-07

3569	478363.09, 3850377.25	0.0182227	6.89E-06	2.71E-06	1.29E-02	4.87E-06	1.91E-06	6.22E-03	2.35E-06	5.95E-08	6.62E-03	2.50E-06	6.33E-08	2.71E-06	1.92E-06
3570	478863.09, 3850377.25	0.1081905	4.09E-05	1.61E-05	7.62E-02	2.88E-05	1.13E-05	3.65E-02	1.38E-05	3.49E-07	3.71E-02	1.40E-05	3.54E-07	1.61E-05	1.13E-05
3571	479363.09, 3850377.25	0.0375336	1.42E-05	5.57E-06	2.42E-02	9.15E-06	3.60E-06	9.19E-03	3.48E-06	8.79E-08	9.55E-03	3.61E-06	9.13E-08	5.58E-06	3.60E-06
3572	479863.09, 3850377.25	0.0226717	8.57E-06	3.37E-06	1.43E-02	5.41E-06	2.13E-06	5.08E-03	1.92E-06	4.86E-08	5.30E-03	2.01E-06	5.07E-08	3.37E-06	2.13E-06
3573	480363.09, 3850377.25	0.0164601	6.22E-06	2.44E-06	1.03E-02	3.88E-06	1.53E-06	3.50E-03	1.32E-06	3.35E-08	3.67E-03	1.39E-06	3.51E-08	2.45E-06	1.53E-06
3574	480863.09, 3850377.25	0.0129197	4.88E-06	1.92E-06	8.08E-03	3.06E-06	1.20E-06	2.78E-03	1.05E-06	2.66E-08	2.92E-03	1.10E-06	2.79E-08	1.92E-06	1.20E-06
3575	481363.09, 3850377.25	0.0095832	3.62E-06	1.42E-06	5.91E-03	2.23E-06	8.77E-07	1.92E-03	7.27E-07	1.84E-08	2.03E-03	7.66E-07	1.94E-08	1.42E-06	8.78E-07
3576	481863.09, 3850377.25	0.0084265	3.19E-06	1.25E-06	5.17E-03	1.95E-06	7.67E-07	1.65E-03	6.24E-07	1.58E-08	1.73E-03	6.55E-07	1.66E-08	1.25E-06	7.68E-07
3577	482363.09, 3850377.25	0.0074918	2.83E-06	1.11E-06	4.56E-03	1.73E-06	6.78E-07	1.42E-03	5.37E-07	1.36E-08	1.50E-03	5.66E-07	1.43E-08	1.11E-06	6.78E-07
3578	482863.09, 3850377.25	0.0058832	2.22E-06	8.74E-07	3.59E-03	1.36E-06	5.34E-07	1.13E-03	4.27E-07	1.08E-08	1.19E-03	4.51E-07	1.14E-08	8.74E-07	5.34E-07
3579	483363.09, 3850377.25	0.0050221	1.90E-06	7.46E-07	3.07E-03	1.16E-06	4.56E-07	9.65E-04	3.65E-07	9.23E-09	1.02E-03	3.86E-07	9.76E-09	7.46E-07	4.56E-07
3580	483863.09, 3850377.25	0.0049927	1.89E-06	7.42E-07	3.04E-03	1.15E-06	4.51E-07	9.40E-04	3.55E-07	8.99E-09	9.96E-04	3.76E-07	9.52E-09	7.42E-07	4.52E-07
3581	484363.09, 3850377.25	0.0052002	1.97E-06	7.72E-07	3.14E-03	1.19E-06	4.67E-07	9.51E-04	3.60E-07	9.10E-09	1.01E-03	3.81E-07	9.65E-09	7.73E-07	4.68E-07
3582	484863.09, 3850377.25	0.0053773	2.03E-06	7.99E-07	3.24E-03	1.22E-06	4.81E-07	9.60E-04	3.63E-07	9.19E-09	1.02E-03	3.86E-07	9.76E-09	7.99E-07	4.81E-07
3583	485363.09, 3850377.25	0.0052069	1.97E-06	7.73E-07	3.12E-03	1.18E-06	4.63E-07	9.07E-04	3.43E-07	8.68E-09	9.63E-04	3.64E-07	9.21E-09	7.74E-07	4.64E-07
3584	485863.09, 3850377.25	0.0048571	1.84E-06	7.21E-07	2.90E-03	1.10E-06	4.31E-07	8.33E-04	3.15E-07	7.97E-09	8.83E-04	3.34E-07	8.45E-09	7.22E-07	4.32E-07
3585	486363.09, 3850377.25	0.0046802	1.77E-06	6.95E-07	2.79E-03	1.05E-06	4.14E-07	7.93E-04	3.00E-07	7.58E-09	8.39E-04	3.17E-07	8.03E-09	6.96E-07	4.15E-07
3586	486863.09, 3850377.25	0.0045308	1.71E-06	6.73E-07	2.69E-03	1.02E-06	4.00E-07	7.55E-04	2.85E-07	7.22E-09	8.00E-04	3.02E-07	7.65E-09	6.73E-07	4.00E-07
3587	487363.09, 3850377.25	0.0043357	1.64E-06	6.44E-07	2.57E-03	9.71E-07	3.81E-07	7.10E-04	2.68E-07	6.79E-09	7.51E-04	2.84E-07	7.18E-09	6.44E-07	3.82E-07
3588	487863.09, 3850377.25	0.0042579	1.61E-06	6.32E-07	2.51E-03	9.49E-07	3.73E-07	6.78E-04	2.56E-07	6.49E-09	7.20E-04	2.72E-07	6.89E-09	6.33E-07	3.73E-07
3589	488363.09, 3850377.25	0.0041766	1.58E-06	6.20E-07	2.45E-03	9.27E-07	3.64E-07	6.47E-04	2.45E-07	6.19E-09	6.87E-04	2.60E-07	6.57E-09	6.21E-07	3.64E-07
3590	488863.09, 3850377.25	0.0041427	1.57E-06	6.15E-07	2.42E-03	9.14E-07	3.59E-07	6.20E-04	2.35E-07	5.93E-09	6.59E-04	2.49E-07	6.31E-09	6.16E-07	3.59E-07
3591	489363.09, 3850377.25	0.0041091	1.55E-06	6.10E-07	2.38E-03	9.01E-07	3.54E-07	5.92E-04	2.24E-07	5.66E-09	6.30E-04	2.38E-07	6.03E-09	6.11E-07	3.54E-07
3592	489863.09, 3850377.25	0.0040292	1.52E-06	5.98E-07	2.32E-03	8.78E-07	3.45E-07	5.59E-04	2.11E-07	5.35E-09	5.94E-04	2.25E-07	5.68E-09	5.99E-07	3.45E-07
3593	490363.09, 3850377.25	0.0039508	1.49E-06	5.87E-07	2.26E-03	8.56E-07	3.36E-07	5.29E-04	2.00E-07	5.06E-09	5.65E-04	2.14E-07	5.40E-09	5.87E-07	3.37E-07
3594	490863.09, 3850377.25	0.0039058	1.48E-06	5.80E-07	2.23E-03	8.42E-07	3.31E-07	5.06E-04	1.91E-07	4.84E-09	5.39E-04	2.04E-07	5.15E-09	5.80E-07	3.31E-07
3595	491363.09, 3850377.25	0.0038747	1.46E-06	5.76E-07	2.20E-03	8.30E-07	3.26E-07	4.81E-04	1.82E-07	4.60E-09	5.13E-04	1.94E-07	4.90E-09	5.76E-07	3.27E-07
3596	491863.09, 3850377.25	0.0037639	1.42E-06	5.59E-07	2.12E-03	8.02E-07	3.15E-07	4.48E-04	1.69E-07	4.29E-09	4.78E-04	1.81E-07	4.57E-09	5.59E-07	3.15E-07
3597	492363.09, 3850377.25	0.0036156	1.37E-06	5.37E-07	2.03E-03	7.67E-07	3.01E-07	4.17E-04	1.58E-07	3.99E-09	4.46E-04	1.68E-07	4.26E-09	5.37E-07	3.02E-07
3598	492863.09, 3850377.25	0.0035642	1.35E-06	5.29E-07	1.99E-03	7.53E-07	2.96E-07	3.96E-04	1.50E-07	3.79E-09	4.23E-04	1.60E-07	4.04E-09	5.30E-07	2.96E-07
3599	493363.09, 3850377.25	0.0035069	1.33E-06	5.21E-07	1.95E-03	7.36E-07	2.89E-07	3.71E-04	1.40E-07	3.55E-09	3.97E-04	1.50E-07	3.79E-09	5.21E-07	2.89E-07
3600	493863.09, 3850377.25	0.0036388	1.38E-06	5.40E-07	2.01E-03	7.61E-07	2.99E-07	3.76E-04	1.42E-07	3.60E-09	4.02E-04	1.52E-07	3.84E-09	5.41E-07	2.99E-07
3601	494363.09, 3850377.25	0.003748	1.42E-06	5.57E-07	2.07E-03	7.81E-07	3.07E-07	3.74E-04	1.42E-07	3.58E-09	4.02E-04	1.52E-07	3.84E-09	5.57E-07	3.07E-07
3602	494863.09, 3850377.25	0.0039529	1.49E-06	5.87E-07	2.17E-03	8.21E-07	3.23E-07	3.84E-04	1.45E-07	3.67E-09	4.11E-04	1.56E-07	3.93E-09	5.87E-07	3.23E-07
3603	495363.09, 3850377.25	0.0041979	1.59E-06	6.24E-07	2.30E-03	8.68E-07	3.41E-07	3.93E-04	1.49E-07	3.76E-09	4.24E-04	1.60E-07	4.06E-09	6.24E-07	3.41E-07
3604	495863.09, 3850377.25	0.0041079	1.55E-06	6.10E-07	2.24E-03	8.48E-07	3.33E-07	3.76E-04	1.42E-07	3.60E-09	4.05E-04	1.53E-07	3.87E-09	6.10E-07	3.33E-07
3605	496363.09, 3850377.25	0.0043538	1.65E-06	6.47E-07	2.37E-03	8.95E-07	3.52E-07	3.85E-04	1.46E-07	3.69E-09	4.16E-04	1.57E-07	3.98E-09	6.47E-07	3.52E-07
3606	496863.09, 3850377.25	0.0045575	1.72E-06	6.77E-07	2.47E-03	9.35E-07	3.67E-07	3.93E-04	1.49E-07	3.76E-09	4.26E-04	1.61E-07	4.08E-09	6.77E-07	3.68E-07
3607	497363.09, 3850377.25	0.0046395	1.75E-06	6.89E-07	2.51E-03	9.49E-07	3.73E-07	3.92E-04	1.48E-07	3.75E-09	4.24E-04	1.60E-07	4.06E-09	6.89E-07	3.73E-07
3608	497863.09, 3850377.25	0.0046299	1.75E-06	6.88E-07	2.50E-03	9.45E-07	3.71E-07	3.82E-04	1.45E-07	3.66E-09	4.15E-04	1.57E-07	3.97E-09	6.88E-07	3.72E-07
3609	498363.09, 3850377.25	0.004622	1.75E-06	6.87E-07	2.49E-03	9.42E-07	3.70E-07	3.74E-04	1.42E-07	3.58E-09	4.05E-04	1.53E-07	3.87E-09	6.87E-07	3.70E-07
3610	471363.09, 3850877.25	0.0026111	9.87E-07	3.88E-07	1.47E-03	5.57E-07	2.19E-07	3.12E-04	1.18E-07	2.98E-09	3.30E-04	1.25E-07	3.15E-09	3.88E-07	2.19E-07
3611	471863.09, 3850877.25	0.002724	1.03E-06	4.05E-07	1.55E-03	5.86E-07	2.30E-07	3.46E-04	1.31E-07	3.31E-09	3.67E-04	1.39E-07	3.51E-09	4.05E-07	2.30E-07
3612	472363.09, 3850877.25	0.0028549	1.08E-06	4.24E-07	1.64E-03	6.22E-07	2.44E-07	3.95E-04	1.49E-07	3.78E-09	4.18E-04	1.58E-07	4.00E-09	4.24E-07	2.44E-07
3613	472863.09, 3850877.25	0.0030012	1.13E-06	4.46E-07	1.75E-03	6.61E-07	2.60E-07	4.45E-04	1.68E-07	4.26E-09	4.70E-04	1.78E-07	4.50E-09	4.46E-07	2.60E-07
3614	473363.09, 3850877.25	0.0030692	1.16E-06	4.56E-07	1.79E-03	6.76E-07	2.66E-07	4.56E-04	1.72E-07	4.36E-09	4.83E-04	1.83E-07	4.62E-09	4.56E-07	2.66E-07
3615	473863.09, 3850877.25	0.0032567	1.23E-06	4.84E-07	1.92E-03	7.26E-07	2.85E-07	5.19E-04	1.96E-07	4.96E-09	5.48E-04	2.07E-07	5.25E-09	4.84E-07	2.85E-07
3616	474363.09, 3850877.25	0.0033642	1.27E-06	5.00E-07	2.01E-03	7.59E-07	2.98E-07	5.72E-04	2.16E-07	5.47E-09	6.04E-04	2.28E-07	5.78E-09	5.00E-07	2.98E-07
3617	474863.09, 3850877.25	0.0035268	1.33E-06	5.24E-07	2.12E-03	8.02E-07	3.15E-07	6.25E-04	2.36E-07	5.98E-09	6.59E-04	2.49E-07	6.31E-09	5.24E-07	3.15E-07
3618	475363.09, 3850877.25	0.0036824	1.39E-06	5.47E-07	2.23E-03	8.44E-07	3.32E-07	6.83E-04	2.58E-07	6.53E-09	7.21E-04	2.73E-07	6.90E-09	5.47E-07	3.32E-07
3619	475863.09, 3850877.25	0.0038975	1.47E-06	5.79E-07	2.38E-03	9.02E-07	3.54E-07	7.55E-04	2.85E-07	7.22E-09	7.95E-04	3.01E-07	7.60E-09	5.79E-07	3.55E-07
3620	476363.09, 3850877.25	0.0042605	1.61E-06	6.33E-07	2.62E-03	9.91E-07	3.89E-07	8.47E-04	3.20E-07	8.11E-09	8.91E-04	3.37E-07	8.53E-09	6.33E-07	3.90E-07
3621	476863.09, 3850877.25	0.0046218	1.75E-06	6.86E-07	2.86E-03	1.08E-06	4.25E-07	9.49E-04	3.59E-07	9.08E-09	1.00E-03	3.79E-07	9.59E-09	6.87E-07	4.26E-07
3622	477363.09, 3850877.25	0.005065	1.92E-06	7.52E-07	3.17E-03	1.20E-06	4.71E-07	1.09E-03	4.14E-07	1.05E-08	1.16E-03	4.39E-07	1.11E-08	7.53E-07	4.72E-07
3623	477863.09, 3850877.25	0.0057301	2.17E-06	8.51E-07	3.64E-03	1.38E-06	5.41E-07	1.32E-03	4.99E-07	1.26E-08	1.40E-03	5.30E-07	1.34E-08	8.52E-07	5.42E-07
3624	478363.09, 3850877.25	0.0069804	2.64E-06	1.04E-06	4.51E-03	1.71E-06	6.71E-07	1.73E-03	6.54E-07	1.66E-08	1.83E-03	6.91E-07	1.75E-08	1.04E-06	6.72E-07
3625	478863.09, 3850877.25	0.0095925	3.63E-06	1.42E-06	6.31E-03	2.39E-06	9.37E-07	2.54E-03	9.61E-07	2.43E-08	2.69E-03	1.02E-06	2.58E-08	1.43E-06	9.39E-07
3626	479363.09, 3850877.25	0.0184023	6.96E-06	2.73E-06	1.26E-02	4.75E-06	1.87E-06	5.58E-03	2.11E-06	5.34E-08	6.01E-03	2.27E-06	5.75E-08	2.74E-06	1.87E-06
3627	479863.09, 3850877.25	0.128349	4.85E-05	1.91E-05	9.08E-02	3.43E-05	1.35E-05	4.38E-02	1.66E-05	4.19E-07	4.36E-02	1.65E-05	4.17E-07	1.91E-05	1.35E-05
3628	480363.09, 3850877.25	0.03327	1.26E-05	4.94E-06	2.23E-02	8.42E-06	3.31E-06	9.42E-03	3.56E-06	9.01E-08	9.81E-03	3.71E-06	9.38E-08	4.95E-06	3.31E-06
3629	480863.09, 3850877.25	0.0197349	7.46E-06	2.93E-06	1.29E-02	4.89E-06	1.92E-06	5.16E-03	1.95E-06	4.94E-08	5.41E-03	2.04E-06	5.17E-08	2.93E-06	1.92E-06
3630	481363.09, 3850877.25	0.0146173	5.53E-06	2.17E-06	9.37E-03	3.54E-06	1.39E-06	3.50E-03	1.32E-06	3.35E-08	3.69E-03	1.39E-06	3.53E-08	2.17E-06	1.39E-06
3631	481863.09, 3850877.25	0.0119316	4.51E-06	1.77E-06	7.43E-03	2.81E-06	1.10E-06	2.52E-03	9.52E-07	2.41E-08	2.65E-03	1.00E-06	2.54E-08	1.77E-06	1.11E-06
3632	482363.09, 3850877.25	0.0096829	3.66E-06	1.44E-06	5.91E-03	2.23E-06	8.78E-07	1.85E-03	7.01E-07	1.77E-08	1.96E-03	7.39E-07	1.87E-08	1.44E-06	8.79E-07
3633	482863.09, 3850877.25	0.0080546	3.05E-06	1.20E-06	4.89E-03	1.85E-06	7.26E-07	1.50E-03	5.66E-07	1.43E-08	1.58E-03	5.99E-07	1.51E-08	1.20E-06	7.27E-07
3634	483363.09, 3850877.25	0.0065951	2.49E-06	9.80E-07	4.00E-03	1.51E-06	5.94E-07	1.23E-03	4.64E-07	1.17E-08	1.30E-03	4.91E-07	1.24E-08	9.80E-07	5.95E-07
3635	483863.09, 3850877.25	0.006103	2.31E-06	9.06E-07	3.69E-03	1.40E-06	5.48E-07	1.12E-03	4.22E-07	1.07E-08	1.19E-03	4.48E-07	1.13E-08	9.07E-07	5.49E-07
3636	484363.09, 3850877.25	0.0061801	2.34E-06	9.18E-07	3.72E-03	1.40E-06	5.52E-07	1.10E-03	4.15E-07	1.05E-08	1.17E-03	4.41E-07	1.11E-08	9.19E-07	5.53E-07
3637	484863.09, 3850877.25	0.0059523	2.25E-06	8.84E-07	3.56E-03	1.35E-06	5.29E-07	1.02E-03	3.87E-07	9.80E-09	1.09E-03	4.12E-07	1.04E-08	8.85E-07	5.29E-07
3638	485363.09, 3850877.25	0.0058275	2.20E-06	8.66E-07	3.47E-03	1.31E-06	5.15E-07	9.76E-04	3.69E-07	9.34E-09	1.04E-03	3.93E-07	9.95E-09	8.66E-07	5.15E-07
3639	485863.09, 3850877.25	0.0053987	2.04E-06	8.02E-07	3.20E-03	1.21E-06	4.75E-07	8.80E-04	3.33E-07	8.42E-09	9.37E-04	3.54E-07	8.96E-09	8.02E-07	4.75E-07
3640	486363.09, 3850877.25	0.0053455	2.02E-06	7.94E-07	3.15E-03	1.19E-06	4.68E-07	8.49E-04	3.21E-07	8.12E-09	9.03E-04	3.41E-07	8.63E-09	7.94E-07	4.68E-07
3641	486863.09, 3850877.25	0.0051418	1.94E-06	7.64E-07	3.02E-03	1.14E-06	4.49E-07	8.02E-04	3.03E-07	7.67E-09	8.52E-04	3.22E-07	8.15E-09	7.64E-07	4.49E-07
3642	487363.09, 3850877.25	0.0048938	1.85E-06	7.27E-07	2.87E-03	1.08E-06	4.26E-07	7.49E-04	2.83E-07	7.16E-09	7.97E-04	3.01E-07	7.62E-09	7.27E-07	4.26E-07
3643	487863.09, 3850877.25	0.0047671	1.80E-06	7.08E-07	2.78E-03	1.05E-06	4.13E-07	7.11E-04	2.69E-07	6.80E-09	7.57E-04	2.86E-07	7.24E-09	7.09E-07	4.13E-07
3644	488363.09, 3850877.25	0.0047403	1.79E-06	7.04E-07	2.75E-03	1.04E-06	4.08E-07	6.78E-04	2.56E-07	6.49E-09	7.25E-04	2.74E-07	6.93E-09	7.05E-07	4.08E-07
3645	488863.09, 3850877.25	0.0046832	1.77E-06	6.96E-07	2.70E-03	1.02E-06	4.00E-07	6.45E-04	2.44E-07	6.17E-09	6.89E-04	2.60E-07	6.59E-09	6.96E-07	4.01E-07
3646	489363.09, 3850877.25	0.0046503	1.76E-06	6.91E-07	2.66E-03	1.01E-06	3.95E-07	6.17E-04	2.33E-07	5.90E-09	6.59E-04	2.49E-07	6.31E-09	6.91E-07	3.96E-07
3647	489863.09, 3850877.25	0.0045977	1.74E-06	6.83E-07	2.62E-03	9.89E-07	3.88E-07	5.84E-04	2.21E-07	5.59E-09	6.27E-04	2.37E-07	6.00E-09	6.83E-07	3.89E-07
3648	490363.09, 3850877.25	0.0045655	1.73E-06	6.78E-07	2.58E-03	9.77E-07	3.84E-07	5.59E-04	2.11E-07	5.35E-09	5.99E-04	2.26E-07	5.73E-09	6.79E-07	3.84E-07
3649	490863.09, 3850877.25	0.0045174	1.71E-06	6.71E-07	2.54E-03	9.61E-07	3.78E-07	5.33E-04	2.01E-07	5.09E-09	5.73E-04	2.17E-07	5.48E-09	6.71E-07	3.78E-07
3650	491363.09, 3850877.25	0.0044122	1.67E-06	6.55E-07	2.47E-03	9.35E-07	3.67E-07	5.03E-04	1.90E-07	4.81E-09	5.40E-04	2.04E-07	5.17E-09	6.56E-07	3.68E-07
3651	491863.09, 3850877.25	0.0043027	1.63E-06	6.39E-07	2.40E-03	9.07E-07	3.56E-07	4.72E-04	1.78E-07	4.51E-09	5.08E-04	1.92E-07	4.86E-09	6.39E-07	3.57E-07
3652	492363.09, 3850877.25	0.0042278	1.60E-06	6.28E-07	2.34E-03	8.86E-07	3.48E-07	4.43E-04	1.68E-07	4.24E-09	4.78E-04	1.81E-07	4.57E-09	6.28E-07	3.48E-07
3653	492863.09, 3850877.25	0.0041635	1.57E-06	6.18E-07	2.30E-03	8.69E-07	3.42E-07	4.23E-04	1.60E-07	4.05E-09	4.55E-04	1.72E-07	4.36E-09	6.19E-07	3.42E-07
3654	493363.09, 3850877.25	0.0041761	1.58E-06	6.20E-07	2.30E-03	8.68E-07	3.41E-07	4.09E-04	1.55E-07	3.91E-09	4.41E-04	1.67E-07	4.22E-09	6.21E-07	3.41E-07
3655	493863.09, 3850877.25	0.0043467	1.64E-06	6.46E-07	2.38E-03	9.00E-07	3.54E-07	4.12E-04	1.56E-07	3.94E-09	4.46E-04	1.68E-07	4.26E-09	6.46E-07	3.54E-07
3656	494363.09, 3850877.25	0.0044491	1.68E-06	6.61E-07	2.43E-03	9.18E-07	3.61E-07	4.06E-04	1.53E-07	3.88E-09	4.39E-04	1.66E-07	4.20E-09	6.61E-07	3.61E-07
3657	494863.09, 3850877.25	0.0046757	1.77E-06	6.94E-07	2.54E-03	9.61E-07	3.77E-07	4.10E-04	1.55E-07	3.93E-09	4.46E-04	1.68E-07	4.26E-09	6.95E-07	3.78E-07
3658	495363.09, 3850877.25	0.0048774	1.84E-06	7.24E-07	2.64E-03	1.00E-06	3.93E-07	4.18E-04	1.58E-07	4.00E-09	4.54E-04	1.72E-07	4.34E-09	7.25E-07	3.93E-07
3659	495863.09, 3850877.25	0.0049232	1.86E-06	7.31E-07	2.66E-03	1.01E-06	3.95E-07	4.10E-04	1.55E-07	3.93E-09	4.46E-04	1.68E-07	4.26E-09	7.32E-07	3.96E-07
3660	496363.09, 3850877.25	0.0050329	1.90E-06	7.48E-07	2.71E-03	1.03E-06	4.03E-07	4.09E-04	1.55E-07	3.91E-09	4.44E-04	1.68E-07	4.25E-09	7.48E-07	4.03E-07
3661	496863.09, 3850877.25	0.0052057	1.97E-06	7.73E-07	2.80E-03	1.06E-06	4.16E-07	4.14E-04	1.56E-07	3.96E-09	4.51E-04	1.70E-07	4.31E-09	7.74E-07	4.16E-07
3662	497363.09, 3850877.25	0.0052102	1.97E-06	7.74E-07	2.80E-03	1.06E-06	4.15E-07	4.04E-04	1.53E-07	3.87E-09	4.42E-04	1.67E-07	4.23E-09	7.74E-07	4.16E-07

3663	497863.09, 3850877.25	0.0051439	1.94E-06	7.64E-07	2.76E-03	1.04E-06	4.10E-07	3.93E-04	1.49E-07	3.76E-09	4.29E-04	1.62E-07	4.11E-09	7.64E-07	4.10E-07
3664	498363.09, 3850877.25	0.0050905	1.92E-06	7.56E-07	2.72E-03	1.03E-06	4.05E-07	3.82E-04	1.45E-07	3.66E-09	4.16E-04	1.57E-07	3.98E-09	7.56E-07	4.05E-07
3665	471363.09, 3851377.25	0.0027238	1.03E-06	4.05E-07	1.52E-03	5.75E-07	2.26E-07	3.02E-04	1.14E-07	2.89E-09	3.22E-04	1.22E-07	3.08E-09	4.05E-07	2.26E-07
3666	471863.09, 3851377.25	0.0028957	1.09E-06	4.30E-07	1.64E-03	6.19E-07	2.43E-07	3.51E-04	1.33E-07	3.36E-09	3.74E-04	1.41E-07	3.58E-09	4.30E-07	2.43E-07
3667	472363.09, 3851377.25	0.0029668	1.12E-06	4.41E-07	1.68E-03	6.35E-07	2.49E-07	3.63E-04	1.37E-07	3.48E-09	3.85E-04	1.46E-07	3.68E-09	4.41E-07	2.50E-07
3668	472863.09, 3851377.25	0.0030282	1.14E-06	4.50E-07	1.72E-03	6.50E-07	2.55E-07	3.79E-04	1.43E-07	3.63E-09	4.02E-04	1.52E-07	3.84E-09	4.50E-07	2.55E-07
3669	473363.09, 3851377.25	0.003025	1.14E-06	4.49E-07	1.71E-03	6.46E-07	2.54E-07	3.65E-04	1.38E-07	3.49E-09	3.87E-04	1.46E-07	3.70E-09	4.50E-07	2.54E-07
3670	473863.09, 3851377.25	0.0031533	1.19E-06	4.68E-07	1.79E-03	6.75E-07	2.65E-07	3.90E-04	1.47E-07	3.73E-09	4.15E-04	1.57E-07	3.97E-09	4.69E-07	2.66E-07
3671	474363.09, 3851377.25	0.0033715	1.27E-06	5.01E-07	1.94E-03	7.34E-07	2.88E-07	4.65E-04	1.76E-07	4.45E-09	4.93E-04	1.86E-07	4.72E-09	5.01E-07	2.89E-07
3672	474863.09, 3851377.25	0.0035631	1.35E-06	5.29E-07	2.08E-03	7.85E-07	3.09E-07	5.31E-04	2.01E-07	5.08E-09	5.62E-04	2.12E-07	5.37E-09	5.30E-07	3.09E-07
3673	475363.09, 3851377.25	0.0037095	1.40E-06	5.51E-07	2.18E-03	8.25E-07	3.24E-07	5.83E-04	2.20E-07	5.57E-09	6.15E-04	2.33E-07	5.89E-09	5.51E-07	3.24E-07
3674	475863.09, 3851377.25	0.0038796	1.47E-06	5.76E-07	2.30E-03	8.68E-07	3.41E-07	6.31E-04	2.39E-07	6.04E-09	6.68E-04	2.52E-07	6.39E-09	5.77E-07	3.41E-07
3675	476363.09, 3851377.25	0.0041465	1.57E-06	6.16E-07	2.46E-03	9.32E-07	3.66E-07	6.91E-04	2.61E-07	6.61E-09	7.31E-04	2.76E-07	6.99E-09	6.16E-07	3.66E-07
3676	476863.09, 3851377.25	0.004412	1.67E-06	6.55E-07	2.64E-03	9.97E-07	3.92E-07	7.60E-04	2.87E-07	7.27E-09	8.00E-04	3.02E-07	7.65E-09	6.56E-07	3.92E-07
3677	477363.09, 3851377.25	0.0046315	1.75E-06	6.88E-07	2.79E-03	1.06E-06	4.15E-07	8.35E-04	3.16E-07	7.99E-09	8.81E-04	3.33E-07	8.43E-09	6.88E-07	4.15E-07
3678	477863.09, 3851377.25	0.0049582	1.87E-06	7.36E-07	3.02E-03	1.14E-06	4.49E-07	9.41E-04	3.56E-07	9.01E-09	9.99E-04	3.78E-07	9.56E-09	7.37E-07	4.49E-07
3679	478363.09, 3851377.25	0.0054034	2.04E-06	8.03E-07	3.33E-03	1.26E-06	4.95E-07	1.09E-03	4.12E-07	1.04E-08	1.16E-03	4.39E-07	1.11E-08	8.03E-07	4.96E-07
3680	478863.09, 3851377.25	0.0060347	2.28E-06	8.96E-07	3.79E-03	1.43E-06	5.63E-07	1.32E-03	4.99E-07	1.26E-08	1.40E-03	5.29E-07	1.34E-08	8.97E-07	5.64E-07
3681	479363.09, 3851377.25	0.0070078	2.65E-06	1.04E-06	4.51E-03	1.71E-06	6.70E-07	1.71E-03	6.45E-07	1.63E-08	1.81E-03	6.83E-07	1.73E-08	1.04E-06	6.71E-07
3682	479863.09, 3851377.25	0.0091315	3.45E-06	1.36E-06	6.06E-03	2.29E-06	8.99E-07	2.50E-03	9.43E-07	2.39E-08	2.65E-03	1.00E-06	2.54E-08	1.36E-06	9.01E-07
3683	480363.09, 3851377.25	0.0170147	6.43E-06	2.53E-06	1.18E-02	4.46E-06	1.75E-06	5.43E-03	2.05E-06	5.19E-08	5.74E-03	2.17E-06	5.49E-08	2.53E-06	1.75E-06
3684	480863.09, 3851377.25	0.1318715	4.99E-05	1.96E-05	9.51E-02	3.60E-05	1.41E-05	4.79E-02	1.81E-05	4.58E-07	5.09E-02	1.92E-05	4.87E-07	1.96E-05	1.42E-05
3685	481363.09, 3851377.25	0.0303619	1.15E-05	4.51E-06	2.04E-02	7.72E-06	3.03E-06	8.76E-03	3.31E-06	8.38E-08	9.24E-03	3.49E-06	8.84E-08	4.51E-06	3.04E-06
3686	481863.09, 3851377.25	0.0172308	6.51E-06	2.56E-06	1.11E-02	4.20E-06	1.65E-06	4.23E-03	1.60E-06	4.04E-08	4.47E-03	1.69E-06	4.27E-08	2.56E-06	1.65E-06
3687	482363.09, 3851377.25	0.0129568	4.90E-06	1.92E-06	8.09E-03	3.06E-06	1.20E-06	2.76E-03	1.04E-06	2.64E-08	2.91E-03	1.10E-06	2.78E-08	1.93E-06	1.20E-06
3688	482863.09, 3851377.25	0.0100954	3.82E-06	1.50E-06	6.14E-03	2.32E-06	9.12E-07	1.90E-03	7.20E-07	1.82E-08	2.02E-03	7.64E-07	1.93E-08	1.50E-06	9.14E-07
3689	483363.09, 3851377.25	0.0080091	3.03E-06	1.19E-06	4.84E-03	1.83E-06	7.19E-07	1.46E-03	5.51E-07	1.39E-08	1.55E-03	5.85E-07	1.48E-08	1.19E-06	7.20E-07
3690	483863.09, 3851377.25	0.007031	2.66E-06	1.04E-06	4.23E-03	1.60E-06	6.28E-07	1.24E-03	4.70E-07	1.19E-08	1.32E-03	5.00E-07	1.27E-08	1.05E-06	6.28E-07
3691	484363.09, 3851377.25	0.0071645	2.71E-06	1.06E-06	4.28E-03	1.62E-06	6.36E-07	1.23E-03	4.67E-07	1.18E-08	1.32E-03	4.98E-07	1.26E-08	1.06E-06	6.37E-07
3692	484863.09, 3851377.25	0.006235	2.36E-06	9.26E-07	3.70E-03	1.40E-06	5.49E-07	1.03E-03	3.89E-07	9.84E-09	1.10E-03	4.14E-07	1.05E-08	9.27E-07	5.50E-07
3693	485363.09, 3851377.25	0.0065626	2.48E-06	9.75E-07	3.87E-03	1.46E-06	5.75E-07	1.05E-03	3.96E-07	1.00E-08	1.12E-03	4.24E-07	1.07E-08	9.75E-07	5.76E-07
3694	485863.09, 3851377.25	0.0061372	2.32E-06	9.12E-07	3.59E-03	1.36E-06	5.33E-07	9.32E-04	3.52E-07	8.92E-09	9.96E-04	3.76E-07	9.52E-09	9.12E-07	5.34E-07
3695	486363.09, 3851377.25	0.0061586	2.33E-06	9.15E-07	3.58E-03	1.35E-06	5.32E-07	9.02E-04	3.41E-07	8.63E-09	9.65E-04	3.65E-07	9.23E-09	9.15E-07	5.32E-07
3696	486863.09, 3851377.25	0.0058794	2.22E-06	8.73E-07	3.40E-03	1.29E-06	5.06E-07	8.40E-04	3.17E-07	8.03E-09	8.98E-04	3.39E-07	8.59E-09	8.74E-07	5.06E-07
3697	487363.09, 3851377.25	0.0053974	2.04E-06	8.02E-07	3.11E-03	1.18E-06	4.63E-07	7.55E-04	2.85E-07	7.22E-09	8.08E-04	3.05E-07	7.73E-09	8.02E-07	4.63E-07
3698	487863.09, 3851377.25	0.0054723	2.07E-06	8.13E-07	3.14E-03	1.19E-06	4.66E-07	7.36E-04	2.78E-07	7.04E-09	7.90E-04	2.99E-07	7.56E-09	8.13E-07	4.67E-07
3699	488363.09, 3851377.25	0.0054744	2.07E-06	8.13E-07	3.12E-03	1.18E-06	4.63E-07	7.05E-04	2.67E-07	6.74E-09	7.56E-04	2.86E-07	7.23E-09	8.14E-07	4.64E-07
3700	488863.09, 3851377.25	0.0054413	2.06E-06	8.08E-07	3.08E-03	1.16E-06	4.58E-07	6.69E-04	2.53E-07	6.40E-09	7.20E-04	2.72E-07	6.89E-09	8.09E-07	4.58E-07
3701	489363.09, 3851377.25	0.0053919	2.04E-06	8.01E-07	3.04E-03	1.15E-06	4.51E-07	6.38E-04	2.41E-07	6.10E-09	6.87E-04	2.60E-07	6.57E-09	8.01E-07	4.51E-07
3702	489863.09, 3851377.25	0.005325	2.01E-06	7.91E-07	2.98E-03	1.13E-06	4.43E-07	6.05E-04	2.29E-07	5.78E-09	6.53E-04	2.47E-07	6.25E-09	7.91E-07	4.43E-07
3703	490363.09, 3851377.25	0.005288	2.00E-06	7.85E-07	2.95E-03	1.11E-06	4.38E-07	5.76E-04	2.18E-07	5.51E-09	6.24E-04	2.36E-07	5.96E-09	7.86E-07	4.38E-07
3704	490863.09, 3851377.25	0.0052252	1.98E-06	7.76E-07	2.90E-03	1.10E-06	4.30E-07	5.48E-04	2.07E-07	5.24E-09	5.94E-04	2.25E-07	5.68E-09	7.77E-07	4.31E-07
3705	491363.09, 3851377.25	0.0051042	1.93E-06	7.58E-07	2.82E-03	1.07E-06	4.19E-07	5.17E-04	1.95E-07	4.94E-09	5.63E-04	2.13E-07	5.39E-09	7.59E-07	4.19E-07
3706	491863.09, 3851377.25	0.0050018	1.89E-06	7.43E-07	2.75E-03	1.04E-06	4.09E-07	4.90E-04	1.85E-07	4.69E-09	5.34E-04	2.02E-07	5.11E-09	7.43E-07	4.09E-07
3707	492363.09, 3851377.25	0.0049798	1.88E-06	7.40E-07	2.73E-03	1.03E-06	4.05E-07	4.70E-04	1.78E-07	4.50E-09	5.11E-04	1.93E-07	4.89E-09	7.40E-07	4.05E-07
3708	492863.09, 3851377.25	0.0049271	1.86E-06	7.32E-07	2.69E-03	1.02E-06	3.99E-07	4.46E-04	1.69E-07	4.27E-09	4.86E-04	1.84E-07	4.65E-09	7.32E-07	3.99E-07
3709	493363.09, 3851377.25	0.0046491	1.76E-06	6.91E-07	2.53E-03	9.56E-07	3.75E-07	4.10E-04	1.55E-07	3.93E-09	4.46E-04	1.68E-07	4.26E-09	6.91E-07	3.76E-07
3710	493863.09, 3851377.25	0.0048324	1.83E-06	7.18E-07	2.62E-03	9.90E-07	3.89E-07	4.14E-04	1.56E-07	3.96E-09	4.51E-04	1.70E-07	4.31E-09	7.18E-07	3.89E-07
3711	494363.09, 3851377.25	0.005257	1.99E-06	7.81E-07	2.84E-03	1.07E-06	4.22E-07	4.34E-04	1.64E-07	4.15E-09	4.73E-04	1.79E-07	4.53E-09	7.81E-07	4.22E-07
3712	494863.09, 3851377.25	0.0053452	2.02E-06	7.94E-07	2.88E-03	1.09E-06	4.27E-07	4.28E-04	1.62E-07	4.09E-09	4.68E-04	1.77E-07	4.48E-09	7.94E-07	4.28E-07
3713	495363.09, 3851377.25	0.0057359	2.17E-06	8.52E-07	3.08E-03	1.16E-06	4.57E-07	4.43E-04	1.68E-07	4.24E-09	4.88E-04	1.85E-07	4.67E-09	8.52E-07	4.58E-07
3714	495863.09, 3851377.25	0.0058576	2.21E-06	8.70E-07	3.14E-03	1.19E-06	4.66E-07	4.40E-04	1.66E-07	4.21E-09	4.85E-04	1.83E-07	4.64E-09	8.70E-07	4.66E-07
3715	496363.09, 3851377.25	0.0059078	2.23E-06	8.78E-07	3.16E-03	1.19E-06	4.69E-07	4.34E-04	1.64E-07	4.15E-09	4.78E-04	1.81E-07	4.57E-09	8.78E-07	4.69E-07
3716	496863.09, 3851377.25	0.0059011	2.23E-06	8.76E-07	3.15E-03	1.19E-06	4.67E-07	4.26E-04	1.61E-07	4.08E-09	4.68E-04	1.77E-07	4.48E-09	8.77E-07	4.68E-07
3717	497363.09, 3851377.25	0.0058511	2.21E-06	8.69E-07	3.12E-03	1.18E-06	4.63E-07	4.17E-04	1.58E-07	3.99E-09	4.59E-04	1.73E-07	4.39E-09	8.69E-07	4.63E-07
3718	497863.09, 3851377.25	0.005757	2.18E-06	8.55E-07	3.06E-03	1.16E-06	4.55E-07	4.06E-04	1.53E-07	3.88E-09	4.47E-04	1.69E-07	4.28E-09	8.55E-07	4.56E-07
3719	498363.09, 3851377.25	0.0055998	2.12E-06	8.32E-07	2.98E-03	1.13E-06	4.42E-07	3.88E-04	1.47E-07	3.72E-09	4.26E-04	1.61E-07	4.08E-09	8.32E-07	4.42E-07
3720	471363.09, 3851877.25	0.0028667	1.08E-06	4.26E-07	1.59E-03	6.00E-07	2.36E-07	2.96E-04	1.12E-07	2.83E-09	3.13E-04	1.18E-07	3.00E-09	4.26E-07	2.36E-07
3721	471863.09, 3851877.25	0.0029106	1.10E-06	4.32E-07	1.61E-03	6.08E-07	2.39E-07	2.98E-04	1.13E-07	2.85E-09	3.17E-04	1.20E-07	3.03E-09	4.33E-07	2.39E-07
3722	472363.09, 3851877.25	0.0030277	1.14E-06	4.50E-07	1.68E-03	6.36E-07	2.50E-07	3.24E-04	1.23E-07	3.10E-09	3.46E-04	1.31E-07	3.31E-09	4.50E-07	2.50E-07
3723	472863.09, 3851877.25	0.0031426	1.19E-06	4.67E-07	1.76E-03	6.64E-07	2.61E-07	3.49E-04	1.32E-07	3.34E-09	3.72E-04	1.41E-07	3.56E-09	4.67E-07	2.61E-07
3724	473363.09, 3851877.25	0.0031721	1.20E-06	4.71E-07	1.76E-03	6.67E-07	2.62E-07	3.40E-04	1.29E-07	3.25E-09	3.62E-04	1.37E-07	3.47E-09	4.71E-07	2.62E-07
3725	473863.09, 3851877.25	0.0032376	1.22E-06	4.81E-07	1.80E-03	6.81E-07	2.67E-07	3.48E-04	1.31E-07	3.33E-09	3.72E-04	1.41E-07	3.56E-09	4.81E-07	2.68E-07
3726	474363.09, 3851877.25	0.003408	1.29E-06	5.06E-07	1.91E-03	7.24E-07	2.84E-07	3.95E-04	1.49E-07	3.78E-09	4.21E-04	1.59E-07	4.03E-09	5.06E-07	2.84E-07
3727	474863.09, 3851877.25	0.0036017	1.36E-06	5.35E-07	2.04E-03	7.73E-07	3.03E-07	4.50E-04	1.70E-07	4.30E-09	4.78E-04	1.81E-07	4.57E-09	5.35E-07	3.04E-07
3728	475363.09, 3851877.25	0.003765	1.42E-06	5.59E-07	2.15E-03	8.13E-07	3.19E-07	4.92E-04	1.86E-07	4.71E-09	5.22E-04	1.97E-07	5.00E-09	5.60E-07	3.20E-07
3729	475863.09, 3851877.25	0.0039559	1.50E-06	5.88E-07	2.27E-03	8.59E-07	3.37E-07	5.36E-04	2.03E-07	5.12E-09	5.66E-04	2.14E-07	5.42E-09	5.88E-07	3.38E-07
3730	476363.09, 3851877.25	0.0041475	1.57E-06	6.16E-07	2.38E-03	9.00E-07	3.53E-07	5.59E-04	2.11E-07	5.35E-09	5.93E-04	2.24E-07	5.67E-09	6.16E-07	3.54E-07
3731	476863.09, 3851877.25	0.0043566	1.65E-06	6.47E-07	2.52E-03	9.52E-07	3.74E-07	6.17E-04	2.33E-07	5.90E-09	6.55E-04	2.47E-07	6.26E-09	6.47E-07	3.75E-07
3732	477363.09, 3851877.25	0.0045696	1.73E-06	6.79E-07	2.66E-03	1.01E-06	3.95E-07	6.77E-04	2.56E-07	6.47E-09	7.18E-04	2.72E-07	6.87E-09	6.79E-07	3.96E-07
3733	477863.09, 3851877.25	0.0048052	1.82E-06	7.14E-07	2.82E-03	1.07E-06	4.19E-07	7.43E-04	2.81E-07	7.10E-09	7.87E-04	2.97E-07	7.53E-09	7.14E-07	4.19E-07
3734	478363.09, 3851877.25	0.0050812	1.92E-06	7.55E-07	3.00E-03	1.13E-06	4.45E-07	8.08E-04	3.06E-07	7.73E-09	8.59E-04	3.25E-07	8.21E-09	7.55E-07	4.45E-07
3735	478863.09, 3851877.25	0.0053425	2.02E-06	7.94E-07	3.20E-03	1.21E-06	4.75E-07	9.27E-04	3.51E-07	8.87E-09	9.91E-04	3.75E-07	9.48E-09	7.94E-07	4.76E-07
3736	479363.09, 3851877.25	0.0056788	2.15E-06	8.43E-07	3.47E-03	1.31E-06	5.16E-07	1.10E-03	4.15E-07	1.05E-08	1.17E-03	4.41E-07	1.12E-08	8.44E-07	5.16E-07
3737	479863.09, 3851877.25	0.0062765	2.37E-06	9.32E-07	3.92E-03	1.48E-06	5.82E-07	1.33E-03	5.05E-07	1.28E-08	1.41E-03	5.34E-07	1.35E-08	9.33E-07	5.82E-07
3738	480363.09, 3851877.25	0.00744	2.81E-06	1.11E-06	4.74E-03	1.79E-06	7.05E-07	1.74E-03	6.58E-07	1.66E-08	1.85E-03	6.98E-07	1.77E-08	1.11E-06	7.06E-07
3739	480863.09, 3851877.25	0.009928	3.75E-06	1.47E-06	6.59E-03	2.49E-06	9.79E-07	2.72E-03	1.03E-06	2.60E-08	2.87E-03	1.08E-06	2.74E-08	1.48E-06	9.80E-07
3740	481363.09, 3851877.25	0.0329191	1.24E-05	4.89E-06	2.39E-02	9.04E-06	3.55E-06	1.22E-02	4.62E-06	1.17E-07	1.29E-02	4.89E-06	1.24E-07	4.90E-06	3.56E-06
3741	481863.09, 3851877.25	0.0260182	9.84E-06	3.86E-06	1.81E-02	6.85E-06	2.69E-06	8.45E-03	3.19E-06	8.08E-08	8.87E-03	3.35E-06	8.48E-08	3.87E-06	2.69E-06
3742	482363.09, 3851877.25	0.0152006	5.75E-06	2.26E-06	9.56E-03	3.62E-06	1.42E-06	3.36E-03	1.27E-06	3.21E-08	3.54E-03	1.34E-06	3.38E-08	2.26E-06	1.42E-06
3743	482863.09, 3851877.25	0.0110172	4.17E-06	1.64E-06	6.70E-03	2.53E-06	9.95E-07	2.07E-03	7.84E-07	1.98E-08	2.20E-03	8.33E-07	2.11E-08	1.64E-06	9.96E-07
3744	483363.09, 3851877.25	0.0096046	3.63E-06	1.43E-06	5.79E-03	2.19E-06	8.60E-07	1.73E-03	6.53E-07	1.65E-08	1.84E-03	6.97E-07	1.76E-08	1.43E-06	8.61E-07
3745	483863.09, 3851877.25	0.0085357	3.23E-06	1.27E-06	5.09E-03	1.92E-06	7.56E-07	1.45E-03	5.47E-07	1.38E-08	1.55E-03	5.87E-07	1.48E-08	1.27E-06	7.57E-07
3746	484363.09, 3851877.25	0.0081824	3.09E-06	1.22E-06	4.85E-03	1.83E-06	7.21E-07	1.35E-03	5.09E-07	1.29E-08	1.45E-03	5.47E-07	1.38E-08	1.22E-06	7.22E-07
3747	484863.09, 3851877.25	0.0076452	2.89E-06	1.14E-06	4.49E-03	1.70E-06	6.66E-07	1.19E-03	4.48E-07	1.13E-08	1.27E-03	4.81E-07	1.22E-08	1.14E-06	6.67E-07
3748	485363.09, 3851877.25	0.0074824	2.83E-06	1.11E-06	4.35E-03	1.65E-06	6.47E-07	1.10E-03	4.16E-07	1.05E-08	1.19E-03	4.49E-07	1.14E-08	1.11E-06	6.47E-07
3749	485863.09, 3851877.25	0.0073675	2.79E-06	1.09E-06	4.25E-03	1.61E-06	6.31E-07	1.03E-03	3.88E-07	9.81E-09	1.11E-03	4.19E-07	1.06E-08	1.10E-06	6.32E-07
3750	486363.09, 3851877.25	0.0070392	2.66E-06	1.05E-06	4.02E-03	1.52E-06	5.97E-07	9.23E-04	3.49E-07	8.83E-09	9.96E-04	3.76E-07	9.52E-09	1.05E-06	5.98E-07
3751	486863.09, 3851877.25	0.0068071	2.57E-06	1.01E-06	3.87E-03	1.46E-06	5.75E-07	8.63E-04	3.26E-07	8.26E-09	9.32E-04	3.52E-07	8.92E-09	1.01E-06	5.76E-07
3752	487363.09, 3851877.25	0.0065798	2.49E-06	9.77E-07	3.73E-03	1.41E-06	5.53E-07	8.10E-04	3.06E-07	7.75E-09	8.77E-04	3.31E-07	8.38E-09	9.78E-07	5.54E-07
3753	487863.09, 3851877.25	0.0061861	2.34E-06	9.19E-07	3.49E-03	1.32E-06	5.18E-07	7.35E-04	2.78E-07	7.03E-09	7.93E-04	3.00E-07	7.59E-09	9.19E-07	5.18E-07
3754	488363.09, 3851877.25	0.0061822	2.34E-06	9.18E-07	3.46E-03	1.31E-06	5.14E-07	6.99E-04	2.64E-07	6.68E-09	7.57E-04	2.86E-07	7.24E-09	9.19E-07	5.15E-07
3755	488863.09, 3851877.25	0.0059994	2.27E-06	8.91E-07	3.34E-03	1.26E-06	4.96E-07	6.52E-04	2.46E-07	6.23E-09	7.08E-04	2.68E-07	6.78E-09	8.92E-07	4.97E-07
3756	489363.09, 3851877.25	0.0058561	2.21E-06	8.70E-07	3.24E-03	1.23E-06	4.82E-07	6.11E-04	2.31E-07	5.84E-09	6.66E-04	2.52E-07	6.37E-09	8.70E-07	4.82E-07

3757	489863.09, 3851877.25	0.0057897	2.19E-06	8.60E-07	3.19E-03	1.21E-06	4.74E-07	5.80E-04	2.19E-07	5.54E-09	6.32E-04	2.39E-07	6.04E-09	8.60E-07	4.75E-07
3758	490363.09, 3851877.25	0.0058153	2.20E-06	8.64E-07	3.19E-03	1.21E-06	4.74E-07	5.58E-04	2.11E-07	5.33E-09	6.10E-04	2.31E-07	5.84E-09	8.64E-07	4.74E-07
3759	490863.09, 3851877.25	0.00589	2.23E-06	8.75E-07	3.22E-03	1.22E-06	4.78E-07	5.40E-04	2.04E-07	5.17E-09	5.94E-04	2.25E-07	5.68E-09	8.75E-07	4.78E-07
3760	491363.09, 3851877.25	0.0059711	2.26E-06	8.87E-07	3.25E-03	1.23E-06	4.82E-07	5.28E-04	2.00E-07	5.05E-09	5.83E-04	2.20E-07	5.57E-09	8.87E-07	4.83E-07
3761	491863.09, 3851877.25	0.0060122	2.27E-06	8.93E-07	3.26E-03	1.23E-06	4.84E-07	5.14E-04	1.94E-07	4.91E-09	5.66E-04	2.14E-07	5.42E-09	8.94E-07	4.84E-07
3762	492363.09, 3851877.25	0.0058902	2.23E-06	8.75E-07	3.18E-03	1.20E-06	4.73E-07	4.89E-04	1.85E-07	4.68E-09	5.40E-04	2.04E-07	5.17E-09	8.75E-07	4.73E-07
3763	492863.09, 3851877.25	0.0054731	2.07E-06	8.13E-07	2.95E-03	1.11E-06	4.38E-07	4.40E-04	1.66E-07	4.21E-09	4.85E-04	1.83E-07	4.64E-09	8.13E-07	4.38E-07
3764	493363.09, 3851877.25	0.0059442	2.25E-06	8.83E-07	3.19E-03	1.21E-06	4.74E-07	4.64E-04	1.75E-07	4.44E-09	5.13E-04	1.94E-07	4.90E-09	8.83E-07	4.75E-07
3765	493863.09, 3851877.25	0.0064644	2.44E-06	9.60E-07	3.46E-03	1.31E-06	5.14E-07	4.86E-04	1.84E-07	4.65E-09	5.39E-04	2.04E-07	5.15E-09	9.61E-07	5.14E-07
3766	494363.09, 3851877.25	0.0063287	2.39E-06	9.40E-07	3.38E-03	1.28E-06	5.02E-07	4.65E-04	1.76E-07	4.45E-09	5.16E-04	1.95E-07	4.93E-09	9.41E-07	5.03E-07
3767	494863.09, 3851877.25	0.0066399	2.51E-06	9.86E-07	3.54E-03	1.34E-06	5.25E-07	4.72E-04	1.78E-07	4.51E-09	5.26E-04	1.99E-07	5.03E-09	9.87E-07	5.26E-07
3768	495363.09, 3851877.25	0.0068075	2.57E-06	1.01E-06	3.62E-03	1.37E-06	5.37E-07	4.72E-04	1.78E-07	4.51E-09	5.24E-04	1.98E-07	5.01E-09	1.01E-06	5.38E-07
3769	495863.09, 3851877.25	0.0068728	2.60E-06	1.02E-06	3.65E-03	1.38E-06	5.41E-07	4.65E-04	1.76E-07	4.45E-09	5.19E-04	1.96E-07	4.97E-09	1.02E-06	5.42E-07
3770	496363.09, 3851877.25	0.0067941	2.57E-06	1.01E-06	3.60E-03	1.36E-06	5.35E-07	4.54E-04	1.72E-07	4.35E-09	5.06E-04	1.91E-07	4.84E-09	1.01E-06	5.35E-07
3771	496863.09, 3851877.25	0.0066853	2.53E-06	9.93E-07	3.54E-03	1.34E-06	5.26E-07	4.42E-04	1.67E-07	4.23E-09	4.91E-04	1.86E-07	4.70E-09	9.93E-07	5.26E-07
3772	497363.09, 3851877.25	0.0065486	2.48E-06	9.73E-07	3.46E-03	1.31E-06	5.15E-07	4.29E-04	1.62E-07	4.11E-09	4.77E-04	1.80E-07	4.56E-09	9.73E-07	5.15E-07
3773	497863.09, 3851877.25	0.0062786	2.37E-06	9.33E-07	3.32E-03	1.26E-06	4.93E-07	4.09E-04	1.55E-07	3.91E-09	4.52E-04	1.71E-07	4.32E-09	9.33E-07	4.94E-07
3774	498363.09, 3851877.25	0.0060542	2.29E-06	8.99E-07	3.20E-03	1.21E-06	4.75E-07	3.92E-04	1.48E-07	3.75E-09	4.31E-04	1.63E-07	4.12E-09	9.00E-07	4.76E-07
3775	471363.09, 3852377.25	0.0028631	1.08E-06	4.25E-07	1.56E-03	5.90E-07	2.32E-07	2.60E-04	9.83E-08	2.49E-09	2.74E-04	1.04E-07	2.62E-09	4.25E-07	2.32E-07
3776	471863.09, 3852377.25	0.0030012	1.13E-06	4.46E-07	1.64E-03	6.21E-07	2.44E-07	2.82E-04	1.07E-07	2.70E-09	2.99E-04	1.13E-07	2.86E-09	4.46E-07	2.44E-07
3777	472363.09, 3852377.25	0.0031056	1.17E-06	4.61E-07	1.70E-03	6.45E-07	2.53E-07	2.99E-04	1.13E-07	2.86E-09	3.15E-04	1.19E-07	3.01E-09	4.61E-07	2.53E-07
3778	472863.09, 3852377.25	0.0032087	1.21E-06	4.77E-07	1.77E-03	6.67E-07	2.62E-07	3.15E-04	1.19E-07	3.01E-09	3.33E-04	1.26E-07	3.19E-09	4.77E-07	2.62E-07
3779	473363.09, 3852377.25	0.0033076	1.25E-06	4.91E-07	1.82E-03	6.89E-07	2.71E-07	3.27E-04	1.24E-07	3.13E-09	3.46E-04	1.31E-07	3.31E-09	4.91E-07	2.71E-07
3780	473863.09, 3852377.25	0.0033987	1.29E-06	5.05E-07	1.87E-03	7.07E-07	2.78E-07	3.34E-04	1.26E-07	3.19E-09	3.54E-04	1.34E-07	3.39E-09	5.05E-07	2.78E-07
3781	474363.09, 3852377.25	0.0034782	1.32E-06	5.17E-07	1.91E-03	7.23E-07	2.84E-07	3.41E-04	1.29E-07	3.27E-09	3.64E-04	1.38E-07	3.48E-09	5.17E-07	2.84E-07
3782	474863.09, 3852377.25	0.0037235	1.41E-06	5.53E-07	2.07E-03	7.84E-07	3.08E-07	4.04E-04	1.53E-07	3.87E-09	4.31E-04	1.63E-07	4.12E-09	5.53E-07	3.08E-07
3783	475363.09, 3852377.25	0.0038541	1.46E-06	5.72E-07	2.15E-03	8.12E-07	3.19E-07	4.20E-04	1.59E-07	4.02E-09	4.51E-04	1.70E-07	4.31E-09	5.73E-07	3.19E-07
3784	475863.09, 3852377.25	0.0039867	1.51E-06	5.92E-07	2.22E-03	8.40E-07	3.30E-07	4.37E-04	1.65E-07	4.18E-09	4.68E-04	1.77E-07	4.48E-09	5.92E-07	3.30E-07
3785	476363.09, 3852377.25	0.0041281	1.56E-06	6.13E-07	2.30E-03	8.70E-07	3.42E-07	4.51E-04	1.71E-07	4.32E-09	4.83E-04	1.83E-07	4.62E-09	6.13E-07	3.42E-07
3786	476863.09, 3852377.25	0.0043293	1.64E-06	6.43E-07	2.42E-03	9.17E-07	3.60E-07	4.92E-04	1.86E-07	4.71E-09	5.24E-04	1.98E-07	5.01E-09	6.43E-07	3.60E-07
3787	477363.09, 3852377.25	0.0045209	1.71E-06	6.71E-07	2.53E-03	9.58E-07	3.76E-07	5.15E-04	1.95E-07	4.93E-09	5.47E-04	2.07E-07	5.23E-09	6.72E-07	3.77E-07
3788	477863.09, 3852377.25	0.0045631	1.73E-06	6.78E-07	2.53E-03	9.58E-07	3.76E-07	4.86E-04	1.84E-07	4.65E-09	5.19E-04	1.96E-07	4.97E-09	6.78E-07	3.77E-07
3789	478363.09, 3852377.25	0.004611	1.74E-06	6.85E-07	2.55E-03	9.66E-07	3.79E-07	4.79E-04	1.81E-07	4.59E-09	5.14E-04	1.94E-07	4.92E-09	6.85E-07	3.80E-07
3790	478863.09, 3852377.25	0.005066	1.92E-06	7.52E-07	2.85E-03	1.08E-06	4.23E-07	5.87E-04	2.22E-07	5.62E-09	6.30E-04	2.38E-07	6.03E-09	7.53E-07	4.23E-07
3791	479363.09, 3852377.25	0.0054333	2.05E-06	8.07E-07	3.08E-03	1.17E-06	4.58E-07	6.81E-04	2.58E-07	6.52E-09	7.33E-04	2.77E-07	7.01E-09	8.08E-07	4.59E-07
3792	479863.09, 3852377.25	0.0058475	2.21E-06	8.69E-07	3.43E-03	1.30E-06	5.09E-07	8.99E-04	3.40E-07	8.60E-09	9.66E-04	3.65E-07	9.24E-09	8.69E-07	5.10E-07
3793	480363.09, 3852377.25	0.0063619	2.41E-06	9.45E-07	3.85E-03	1.46E-06	5.72E-07	1.17E-03	4.41E-07	1.12E-08	1.24E-03	4.68E-07	1.19E-08	9.46E-07	5.73E-07
3794	480863.09, 3852377.25	0.007334	2.77E-06	1.09E-06	4.55E-03	1.72E-06	6.76E-07	1.52E-03	5.74E-07	1.45E-08	1.61E-03	6.10E-07	1.54E-08	1.09E-06	6.77E-07
3795	481363.09, 3852377.25	0.0098348	3.72E-06	1.46E-06	6.39E-03	2.41E-06	9.48E-07	2.48E-03	9.36E-07	2.37E-08	2.62E-03	9.89E-07	2.50E-08	1.46E-06	9.50E-07
3796	481863.09, 3852377.25	0.0378543	1.43E-05	5.62E-06	2.75E-02	1.04E-05	4.09E-06	1.41E-02	5.34E-06	1.35E-07	1.49E-02	5.65E-06	1.43E-07	5.63E-06	4.10E-06
3797	482363.09, 3852377.25	0.0255658	9.67E-06	3.80E-06	1.75E-02	6.63E-06	2.60E-06	7.87E-03	2.98E-06	7.53E-08	8.25E-03	3.12E-06	7.89E-08	3.80E-06	2.61E-06
3798	482863.09, 3852377.25	0.0148046	5.60E-06	2.20E-06	9.36E-03	3.54E-06	1.39E-06	3.33E-03	1.26E-06	3.19E-08	3.55E-03	1.34E-06	3.40E-08	2.20E-06	1.39E-06
3799	483363.09, 3852377.25	0.0117196	4.43E-06	1.74E-06	7.02E-03	2.66E-06	1.04E-06	2.04E-03	7.73E-07	1.96E-08	2.20E-03	8.31E-07	2.10E-08	1.74E-06	1.04E-06
3800	483863.09, 3852377.25	0.0100205	3.79E-06	1.49E-06	5.89E-03	2.23E-06	8.75E-07	1.57E-03	5.95E-07	1.51E-08	1.70E-03	6.42E-07	1.62E-08	1.49E-06	8.77E-07
3801	484363.09, 3852377.25	0.0096001	3.63E-06	1.43E-06	5.60E-03	2.12E-06	8.32E-07	1.44E-03	5.44E-07	1.38E-08	1.56E-03	5.90E-07	1.49E-08	1.43E-06	8.33E-07
3802	484863.09, 3852377.25	0.0092801	3.51E-06	1.38E-06	5.37E-03	2.03E-06	7.97E-07	1.32E-03	4.98E-07	1.26E-08	1.43E-03	5.41E-07	1.37E-08	1.38E-06	7.98E-07
3803	485363.09, 3852377.25	0.0090702	3.43E-06	1.35E-06	5.20E-03	1.96E-06	7.72E-07	1.21E-03	4.58E-07	1.16E-08	1.32E-03	5.00E-07	1.27E-08	1.35E-06	7.73E-07
3804	485863.09, 3852377.25	0.0088102	3.33E-06	1.31E-06	4.98E-03	1.88E-06	7.40E-07	1.07E-03	4.05E-07	1.02E-08	1.18E-03	4.45E-07	1.13E-08	1.31E-06	7.41E-07
3805	486363.09, 3852377.25	0.0083644	3.16E-06	1.24E-06	4.68E-03	1.77E-06	6.95E-07	9.37E-04	3.54E-07	8.96E-09	1.03E-03	3.89E-07	9.84E-09	1.24E-06	6.95E-07
3806	486863.09, 3852377.25	0.0080618	3.05E-06	1.20E-06	4.48E-03	1.69E-06	6.66E-07	8.63E-04	3.26E-07	8.26E-09	9.48E-04	3.59E-07	9.07E-09	1.20E-06	6.66E-07
3807	487363.09, 3852377.25	0.0076394	2.89E-06	1.13E-06	4.23E-03	1.60E-06	6.28E-07	7.88E-04	2.98E-07	7.54E-09	8.67E-04	3.28E-07	8.29E-09	1.14E-06	6.29E-07
3808	487863.09, 3852377.25	0.0072572	2.74E-06	1.08E-06	4.00E-03	1.51E-06	5.94E-07	7.22E-04	2.73E-07	6.91E-09	7.97E-04	3.01E-07	7.62E-09	1.08E-06	5.95E-07
3809	488363.09, 3852377.25	0.0069425	2.62E-06	1.03E-06	3.81E-03	1.44E-06	5.66E-07	6.67E-04	2.52E-07	6.38E-09	7.38E-04	2.79E-07	7.06E-09	1.03E-06	5.67E-07
3810	488863.09, 3852377.25	0.0066294	2.51E-06	9.85E-07	3.62E-03	1.37E-06	5.38E-07	6.14E-04	2.32E-07	5.87E-09	6.81E-04	2.57E-07	6.51E-09	9.85E-07	5.39E-07
3811	489363.09, 3852377.25	0.0064596	2.44E-06	9.59E-07	3.52E-03	1.33E-06	5.22E-07	5.75E-04	2.17E-07	5.50E-09	6.38E-04	2.41E-07	6.10E-09	9.60E-07	5.23E-07
3812	489863.09, 3852377.25	0.0061429	2.32E-06	9.12E-07	3.33E-03	1.26E-06	4.95E-07	5.31E-04	2.01E-07	5.08E-09	5.91E-04	2.23E-07	5.65E-09	9.13E-07	4.96E-07
3813	490363.09, 3852377.25	0.0064635	2.44E-06	9.60E-07	3.49E-03	1.32E-06	5.19E-07	5.36E-04	2.03E-07	5.12E-09	5.97E-04	2.26E-07	5.71E-09	9.61E-07	5.19E-07
3814	490863.09, 3852377.25	0.0066934	2.53E-06	9.94E-07	3.60E-03	1.36E-06	5.35E-07	5.33E-04	2.01E-07	5.09E-09	5.96E-04	2.25E-07	5.70E-09	9.95E-07	5.36E-07
3815	491363.09, 3852377.25	0.0072544	2.74E-06	1.08E-06	3.89E-03	1.47E-06	5.77E-07	5.51E-04	2.08E-07	5.27E-09	6.20E-04	2.35E-07	5.93E-09	1.08E-06	5.78E-07
3816	491863.09, 3852377.25	0.0073284	2.77E-06	1.09E-06	3.91E-03	1.48E-06	5.81E-07	5.39E-04	2.04E-07	5.15E-09	6.07E-04	2.30E-07	5.81E-09	1.09E-06	5.82E-07
3817	492363.09, 3852377.25	0.0073427	2.78E-06	1.09E-06	3.91E-03	1.48E-06	5.81E-07	5.25E-04	1.98E-07	5.02E-09	5.91E-04	2.23E-07	5.65E-09	1.09E-06	5.82E-07
3818	492863.09, 3852377.25	0.0075317	2.85E-06	1.12E-06	4.00E-03	1.51E-06	5.95E-07	5.22E-04	1.97E-07	4.99E-09	5.89E-04	2.23E-07	5.64E-09	1.12E-06	5.95E-07
3819	493363.09, 3852377.25	0.007883	2.98E-06	1.17E-06	4.18E-03	1.58E-06	6.21E-07	5.29E-04	2.00E-07	5.06E-09	6.01E-04	2.27E-07	5.75E-09	1.17E-06	6.21E-07
3820	493863.09, 3852377.25	0.0078074	2.95E-06	1.16E-06	4.13E-03	1.56E-06	6.14E-07	5.14E-04	1.94E-07	4.91E-09	5.81E-04	2.20E-07	5.56E-09	1.16E-06	6.14E-07
3821	494363.09, 3852377.25	0.0077376	2.93E-06	1.15E-06	4.09E-03	1.55E-06	6.07E-07	5.00E-04	1.89E-07	4.78E-09	5.65E-04	2.14E-07	5.40E-09	1.15E-06	6.08E-07
3822	494863.09, 3852377.25	0.0079067	2.99E-06	1.17E-06	4.17E-03	1.58E-06	6.20E-07	5.00E-04	1.89E-07	4.78E-09	5.65E-04	2.14E-07	5.40E-09	1.18E-06	6.20E-07
3823	495363.09, 3852377.25	0.0080481	3.04E-06	1.20E-06	4.24E-03	1.60E-06	6.30E-07	4.98E-04	1.88E-07	4.77E-09	5.65E-04	2.14E-07	5.40E-09	1.20E-06	6.30E-07
3824	495863.09, 3852377.25	0.0078537	2.97E-06	1.17E-06	4.13E-03	1.56E-06	6.14E-07	4.82E-04	1.82E-07	4.62E-09	5.45E-04	2.06E-07	5.21E-09	1.17E-06	6.15E-07
3825	496363.09, 3852377.25	0.0076434	2.89E-06	1.14E-06	4.02E-03	1.52E-06	5.97E-07	4.65E-04	1.76E-07	4.45E-09	5.24E-04	1.98E-07	5.01E-09	1.14E-06	5.98E-07
3826	496863.09, 3852377.25	0.0074802	2.83E-06	1.11E-06	3.93E-03	1.49E-06	5.84E-07	4.53E-04	1.71E-07	4.33E-09	5.09E-04	1.93E-07	4.87E-09	1.11E-06	5.85E-07
3827	497363.09, 3852377.25	0.0071123	2.69E-06	1.06E-06	3.74E-03	1.41E-06	5.56E-07	4.31E-04	1.63E-07	4.12E-09	4.82E-04	1.82E-07	4.61E-09	1.06E-06	5.56E-07
3828	497863.09, 3852377.25	0.0066997	2.53E-06	9.95E-07	3.52E-03	1.33E-06	5.23E-07	4.06E-04	1.53E-07	3.88E-09	4.51E-04	1.70E-07	4.31E-09	9.96E-07	5.24E-07
3829	498363.09, 3852377.25	0.0063477	2.40E-06	9.43E-07	3.34E-03	1.26E-06	4.96E-07	3.85E-04	1.46E-07	3.69E-09	4.24E-04	1.60E-07	4.06E-09	9.43E-07	4.96E-07
3830	471363.09, 3852877.25	0.0029422	1.11E-06	4.37E-07	1.59E-03	6.03E-07	2.37E-07	2.52E-04	9.54E-08	2.41E-09	2.66E-04	1.01E-07	2.55E-09	4.37E-07	2.37E-07
3831	471863.09, 3852877.25	0.0030712	1.16E-06	4.56E-07	1.67E-03	6.31E-07	2.48E-07	2.68E-04	1.01E-07	2.56E-09	2.82E-04	1.07E-07	2.70E-09	4.56E-07	2.48E-07
3832	472363.09, 3852877.25	0.0031842	1.20E-06	4.73E-07	1.73E-03	6.55E-07	2.57E-07	2.82E-04	1.07E-07	2.70E-09	2.97E-04	1.12E-07	2.84E-09	4.73E-07	2.57E-07
3833	472863.09, 3852877.25	0.0032817	1.24E-06	4.87E-07	1.79E-03	6.76E-07	2.65E-07	2.95E-04	1.11E-07	2.82E-09	3.10E-04	1.17E-07	2.97E-09	4.88E-07	2.66E-07
3834	473363.09, 3852877.25	0.0034109	1.29E-06	5.07E-07	1.86E-03	7.03E-07	2.76E-07	3.10E-04	1.17E-07	2.97E-09	3.28E-04	1.24E-07	3.14E-09	5.07E-07	2.77E-07
3835	473863.09, 3852877.25	0.0035446	1.34E-06	5.26E-07	1.94E-03	7.33E-07	2.88E-07	3.29E-04	1.24E-07	3.15E-09	3.48E-04	1.31E-07	3.33E-09	5.27E-07	2.88E-07
3836	474363.09, 3852877.25	0.0036948	1.40E-06	5.49E-07	2.02E-03	7.65E-07	3.01E-07	3.49E-04	1.32E-07	3.34E-09	3.69E-04	1.39E-07	3.53E-09	5.49E-07	3.01E-07
3837	474863.09, 3852877.25	0.0037695	1.43E-06	5.60E-07	2.06E-03	7.77E-07	3.05E-07	3.43E-04	1.30E-07	3.28E-09	3.62E-04	1.37E-07	3.47E-09	5.60E-07	3.06E-07
3838	475363.09, 3852877.25	0.0039533	1.49E-06	5.87E-07	2.16E-03	8.17E-07	3.21E-07	3.68E-04	1.39E-07	3.52E-09	3.90E-04	1.47E-07	3.73E-09	5.87E-07	3.21E-07
3839	475863.09, 3852877.25	0.0040937	1.55E-06	6.08E-07	2.24E-03	8.46E-07	3.32E-07	3.81E-04	1.44E-07	3.64E-09	4.06E-04	1.54E-07	3.89E-09	6.08E-07	3.33E-07
3840	476363.09, 3852877.25	0.0041907	1.58E-06	6.22E-07	2.29E-03	8.64E-07	3.39E-07	3.81E-04	1.44E-07	3.64E-09	4.08E-04	1.54E-07	3.90E-09	6.23E-07	3.40E-07
3841	476863.09, 3852877.25	0.0042072	1.59E-06	6.25E-07	2.29E-03	8.65E-07	3.40E-07	3.71E-04	1.40E-07	3.55E-09	4.02E-04	1.52E-07	3.84E-09	6.25E-07	3.40E-07
3842	477363.09, 3852877.25	0.0042475	1.61E-06	6.31E-07	2.31E-03	8.72E-07	3.43E-07	3.70E-04	1.40E-07	3.54E-09	3.97E-04	1.50E-07	3.79E-09	6.31E-07	3.43E-07
3843	477863.09, 3852877.25	0.0042508	1.61E-06	6.31E-07	2.30E-03	8.71E-07	3.42E-07	3.62E-04	1.37E-07	3.46E-09	3.87E-04	1.46E-07	3.70E-09	6.32E-07	3.42E-07
3844	478363.09, 3852877.25	0.0040567	1.53E-06	6.03E-07	2.19E-03	8.30E-07	3.26E-07	3.40E-04	1.29E-07	3.25E-09	3.61E-04	1.36E-07	3.45E-09	6.03E-07	3.26E-07
3845	478863.09, 3852877.25	0.0044083	1.67E-06	6.55E-07	2.39E-03	9.04E-07	3.55E-07	3.81E-04	1.44E-07	3.64E-09	4.08E-04	1.54E-07	3.90E-09	6.55E-07	3.55E-07
3846	479363.09, 3852877.25	0.0050874	1.92E-06	7.56E-07	2.77E-03	1.05E-06	4.12E-07	4.62E-04	1.75E-07	4.42E-09	4.98E-04	1.88E-07	4.76E-09	7.56E-07	4.12E-07
3847	479863.09, 3852877.25	0.0059949	2.27E-06	8.90E-07	3.33E-03	1.26E-06	4.94E-07	6.34E-04	2.40E-07	6.07E-09	6.90E-04	2.61E-07	6.60E-09	8.91E-07	4.95E-07
3848	480363.09, 3852877.25	0.0064849	2.45E-06	9.63E-07	3.72E-03	1.41E-06	5.53E-07	8.77E-04	3.32E-07	8.39E-09	9.48E-04	3.59E-07	9.07E-09	9.64E-07	5.54E-07
3849	480863.09, 3852877.25	0.0072049	2.72E-06	1.07E-06	4.21E-03	1.59E-06	6.25E-07	1.09E-03	4.12E-07	1.04E-08	1.17E-03	4.41E-07	1.11E-08	1.07E-06	6.26E-07
3850	481363.09, 3852877.25	0.0084038	3.18E-06	1.25E-06	5.05E-03	1.91E-06	7.49E-07	1.48E-03	5.59E-07	1.41E-08	1.57E-03	5.95E-07	1.51E-08	1.25E-06	7.50E-07

3851	481863.09, 3852877.25	0.0114912	4.34E-06	1.71E-06	7.19E-03	2.72E-06	1.07E-06	2.48E-03	9.38E-07	2.37E-08	2.63E-03	9.94E-07	2.51E-08	1.71E-06	1.07E-06
3852	482363.09, 3852877.25	0.0482423	1.82E-05	7.17E-06	3.45E-02	1.30E-05	5.12E-06	1.70E-02	6.43E-06	1.63E-07	1.80E-02	6.82E-06	1.73E-07	7.18E-06	5.13E-06
3853	482863.09, 3852877.25	0.0274287	1.04E-05	4.07E-06	1.81E-02	6.83E-06	2.68E-06	7.30E-03	2.76E-06	6.98E-08	7.75E-03	2.93E-06	7.41E-08	4.08E-06	2.69E-06
3854	483363.09, 3852877.25	0.0166656	6.30E-06	2.48E-06	1.01E-02	3.81E-06	1.50E-06	3.05E-03	1.15E-06	2.92E-08	3.30E-03	1.25E-06	3.16E-08	2.48E-06	1.50E-06
3855	483863.09, 3852877.25	0.0135093	5.11E-06	2.01E-06	7.71E-03	2.92E-06	1.15E-06	1.76E-03	6.67E-07	1.69E-08	1.93E-03	7.31E-07	1.85E-08	2.01E-06	1.15E-06
3856	484363.09, 3852877.25	0.0124325	4.70E-06	1.85E-06	7.07E-03	2.67E-06	1.05E-06	1.58E-03	5.97E-07	1.51E-08	1.75E-03	6.62E-07	1.68E-08	1.85E-06	1.05E-06
3857	484863.09, 3852877.25	0.011834	4.47E-06	1.76E-06	6.68E-03	2.52E-06	9.91E-07	1.42E-03	5.36E-07	1.36E-08	1.59E-03	6.00E-07	1.52E-08	1.76E-06	9.93E-07
3858	485363.09, 3852877.25	0.0110253	4.17E-06	1.64E-06	6.09E-03	2.30E-06	9.04E-07	1.12E-03	4.23E-07	1.07E-08	1.26E-03	4.75E-07	1.20E-08	1.64E-06	9.06E-07
3859	485863.09, 3852877.25	0.0104515	3.95E-06	1.55E-06	5.72E-03	2.16E-06	8.49E-07	9.79E-04	3.70E-07	9.37E-09	1.11E-03	4.18E-07	1.06E-08	1.55E-06	8.51E-07
3860	486363.09, 3852877.25	0.009817	3.71E-06	1.46E-06	5.34E-03	2.02E-06	7.93E-07	8.69E-04	3.29E-07	8.32E-09	9.84E-04	3.72E-07	9.42E-09	1.46E-06	7.94E-07
3861	486863.09, 3852877.25	0.0094478	3.57E-06	1.40E-06	5.12E-03	1.94E-06	7.60E-07	8.05E-04	3.04E-07	7.70E-09	9.14E-04	3.46E-07	8.74E-09	1.40E-06	7.61E-07
3862	487363.09, 3852877.25	0.0088262	3.34E-06	1.31E-06	4.77E-03	1.80E-06	7.09E-07	7.35E-04	2.78E-07	7.03E-09	8.36E-04	3.16E-07	7.99E-09	1.31E-06	7.10E-07
3863	487863.09, 3852877.25	0.0084339	3.19E-06	1.25E-06	4.55E-03	1.72E-06	6.75E-07	6.83E-04	2.58E-07	6.53E-09	7.79E-04	2.94E-07	7.45E-09	1.25E-06	6.76E-07
3864	488363.09, 3852877.25	0.0071168	2.69E-06	1.06E-06	3.83E-03	1.45E-06	5.69E-07	5.72E-04	2.16E-07	5.47E-09	6.50E-04	2.46E-07	6.21E-09	1.06E-06	5.70E-07
3865	488863.09, 3852877.25	0.0074015	2.80E-06	1.10E-06	3.97E-03	1.50E-06	5.90E-07	5.69E-04	2.15E-07	5.44E-09	6.48E-04	2.45E-07	6.20E-09	1.10E-06	5.90E-07
3866	489363.09, 3852877.25	0.0074515	2.82E-06	1.11E-06	3.98E-03	1.51E-06	5.92E-07	5.53E-04	2.09E-07	5.29E-09	6.32E-04	2.39E-07	6.04E-09	1.11E-06	5.92E-07
3867	489863.09, 3852877.25	0.0074572	2.82E-06	1.11E-06	3.98E-03	1.50E-06	5.91E-07	5.37E-04	2.03E-07	5.14E-09	6.15E-04	2.33E-07	5.89E-09	1.11E-06	5.91E-07
3868	490363.09, 3852877.25	0.0084402	3.19E-06	1.25E-06	4.48E-03	1.69E-06	6.66E-07	5.78E-04	2.19E-07	5.53E-09	6.66E-04	2.52E-07	6.37E-09	1.25E-06	6.66E-07
3869	490863.09, 3852877.25	0.0088014	3.33E-06	1.31E-06	4.66E-03	1.76E-06	6.92E-07	5.80E-04	2.19E-07	5.54E-09	6.71E-04	2.54E-07	6.42E-09	1.31E-06	6.93E-07
3870	491363.09, 3852877.25	0.0090708	3.43E-06	1.35E-06	4.79E-03	1.81E-06	7.11E-07	5.80E-04	2.19E-07	5.54E-09	6.73E-04	2.54E-07	6.43E-09	1.35E-06	7.12E-07
3871	491863.09, 3852877.25	0.009108	3.44E-06	1.35E-06	4.80E-03	1.82E-06	7.13E-07	5.70E-04	2.16E-07	5.45E-09	6.59E-04	2.49E-07	6.31E-09	1.35E-06	7.14E-07
3872	492363.09, 3852877.25	0.0092094	3.48E-06	1.37E-06	4.85E-03	1.83E-06	7.20E-07	5.62E-04	2.13E-07	5.38E-09	6.53E-04	2.47E-07	6.25E-09	1.37E-06	7.21E-07
3873	492863.09, 3852877.25	0.0094704	3.58E-06	1.41E-06	4.97E-03	1.88E-06	7.39E-07	5.64E-04	2.13E-07	5.39E-09	6.58E-04	2.49E-07	6.29E-09	1.41E-06	7.40E-07
3874	493363.09, 3852877.25	0.0095632	3.62E-06	1.42E-06	5.02E-03	1.90E-06	7.45E-07	5.61E-04	2.12E-07	5.36E-09	6.53E-04	2.47E-07	6.25E-09	1.42E-06	7.46E-07
3875	493863.09, 3852877.25	0.0094518	3.57E-06	1.40E-06	4.95E-03	1.87E-06	7.36E-07	5.45E-04	2.06E-07	5.21E-09	6.33E-04	2.39E-07	6.06E-09	1.40E-06	7.36E-07
3876	494363.09, 3852877.25	0.0093594	3.54E-06	1.39E-06	4.90E-03	1.85E-06	7.28E-07	5.33E-04	2.01E-07	5.09E-09	6.17E-04	2.33E-07	5.90E-09	1.39E-06	7.29E-07
3877	494863.09, 3852877.25	0.0093284	3.53E-06	1.39E-06	4.88E-03	1.84E-06	7.25E-07	5.25E-04	1.98E-07	5.02E-09	6.06E-04	2.29E-07	5.79E-09	1.39E-06	7.26E-07
3878	495363.09, 3852877.25	0.0090181	3.41E-06	1.34E-06	4.72E-03	1.78E-06	7.00E-07	5.04E-04	1.91E-07	4.82E-09	5.79E-04	2.19E-07	5.54E-09	1.34E-06	7.01E-07
3879	495863.09, 3852877.25	0.008697	3.29E-06	1.29E-06	4.55E-03	1.72E-06	6.75E-07	4.86E-04	1.84E-07	4.65E-09	5.55E-04	2.10E-07	5.31E-09	1.29E-06	6.76E-07
3880	496363.09, 3852877.25	0.0085665	3.24E-06	1.27E-06	4.48E-03	1.69E-06	6.65E-07	4.76E-04	1.80E-07	4.56E-09	5.42E-04	2.05E-07	5.18E-09	1.27E-06	6.66E-07
3881	496863.09, 3852877.25	0.0083323	3.15E-06	1.24E-06	4.35E-03	1.65E-06	6.47E-07	4.61E-04	1.74E-07	4.41E-09	5.24E-04	1.98E-07	5.01E-09	1.24E-06	6.47E-07
3882	497363.09, 3852877.25	0.0076636	2.90E-06	1.14E-06	4.01E-03	1.52E-06	5.95E-07	4.29E-04	1.62E-07	4.11E-09	4.83E-04	1.83E-07	4.62E-09	1.14E-06	5.96E-07
3883	497863.09, 3852877.25	0.0066268	2.51E-06	9.84E-07	3.47E-03	1.31E-06	5.16E-07	3.81E-04	1.44E-07	3.64E-09	4.19E-04	1.59E-07	4.01E-09	9.85E-07	5.16E-07
3884	498363.09, 3852877.25	0.006435	2.43E-06	9.56E-07	3.37E-03	1.27E-06	5.01E-07	3.70E-04	1.40E-07	3.54E-09	4.05E-04	1.53E-07	3.87E-09	9.56E-07	5.01E-07
3885	471363.09, 3853377.25	0.002973	1.12E-06	4.42E-07	1.60E-03	6.07E-07	2.38E-07	2.44E-04	9.24E-08	2.34E-09	2.58E-04	9.75E-08	2.47E-09	4.42E-07	2.39E-07
3886	471863.09, 3853377.25	0.0030988	1.17E-06	4.60E-07	1.67E-03	6.33E-07	2.49E-07	2.55E-04	9.65E-08	2.44E-09	2.71E-04	1.02E-07	2.59E-09	4.60E-07	2.49E-07
3887	472363.09, 3853377.25	0.0032243	1.22E-06	4.79E-07	1.74E-03	6.58E-07	2.59E-07	2.66E-04	1.01E-07	2.55E-09	2.82E-04	1.07E-07	2.70E-09	4.79E-07	2.59E-07
3888	472863.09, 3853377.25	0.0033509	1.27E-06	4.98E-07	1.81E-03	6.85E-07	2.69E-07	2.79E-04	1.05E-07	2.67E-09	2.94E-04	1.11E-07	2.81E-09	4.98E-07	2.69E-07
3889	473363.09, 3853377.25	0.0034586	1.31E-06	5.14E-07	1.87E-03	7.07E-07	2.78E-07	2.88E-04	1.09E-07	2.76E-09	3.05E-04	1.15E-07	2.92E-09	5.14E-07	2.78E-07
3890	473863.09, 3853377.25	0.0035816	1.35E-06	5.32E-07	1.94E-03	7.32E-07	2.88E-07	2.99E-04	1.13E-07	2.86E-09	3.17E-04	1.20E-07	3.03E-09	5.32E-07	2.88E-07
3891	474363.09, 3853377.25	0.0037177	1.41E-06	5.52E-07	2.01E-03	7.60E-07	2.99E-07	3.10E-04	1.17E-07	2.97E-09	3.26E-04	1.23E-07	3.12E-09	5.52E-07	2.99E-07
3892	474863.09, 3853377.25	0.0038262	1.45E-06	5.68E-07	2.06E-03	7.80E-07	3.06E-07	3.10E-04	1.17E-07	2.97E-09	3.28E-04	1.24E-07	3.14E-09	5.68E-07	3.07E-07
3893	475363.09, 3853377.25	0.0039593	1.50E-06	5.88E-07	2.13E-03	8.06E-07	3.17E-07	3.18E-04	1.20E-07	3.04E-09	3.36E-04	1.27E-07	3.22E-09	5.88E-07	3.17E-07
3894	475863.09, 3853377.25	0.0041087	1.55E-06	6.10E-07	2.21E-03	8.36E-07	3.28E-07	3.27E-04	1.24E-07	3.13E-09	3.44E-04	1.30E-07	3.29E-09	6.10E-07	3.29E-07
3895	476363.09, 3853377.25	0.0041739	1.58E-06	6.20E-07	2.24E-03	8.47E-07	3.33E-07	3.24E-04	1.23E-07	3.10E-09	3.41E-04	1.29E-07	3.26E-09	6.20E-07	3.33E-07
3896	476863.09, 3853377.25	0.0040788	1.54E-06	6.06E-07	2.19E-03	8.27E-07	3.25E-07	3.13E-04	1.18E-07	3.00E-09	3.28E-04	1.24E-07	3.14E-09	6.06E-07	3.25E-07
3897	477363.09, 3853377.25	0.0041838	1.58E-06	6.21E-07	2.24E-03	8.48E-07	3.33E-07	3.20E-04	1.21E-07	3.06E-09	3.38E-04	1.28E-07	3.23E-09	6.22E-07	3.33E-07
3898	477863.09, 3853377.25	0.0043481	1.64E-06	6.46E-07	2.33E-03	8.80E-07	3.46E-07	3.29E-04	1.24E-07	3.15E-09	3.48E-04	1.31E-07	3.33E-09	6.46E-07	3.46E-07
3899	478363.09, 3853377.25	0.0043081	1.63E-06	6.40E-07	2.30E-03	8.70E-07	3.42E-07	3.18E-04	1.20E-07	3.04E-09	3.36E-04	1.27E-07	3.22E-09	6.40E-07	3.42E-07
3900	478863.09, 3853377.25	0.0041844	1.58E-06	6.22E-07	2.23E-03	8.45E-07	3.32E-07	3.07E-04	1.16E-07	2.94E-09	3.22E-04	1.22E-07	3.08E-09	6.22E-07	3.32E-07
3901	479363.09, 3853377.25	0.00503	1.90E-06	7.47E-07	2.69E-03	1.02E-06	4.00E-07	3.79E-04	1.43E-07	3.63E-09	4.03E-04	1.52E-07	3.86E-09	7.47E-07	4.00E-07
3902	479863.09, 3853377.25	0.0060509	2.29E-06	8.99E-07	3.25E-03	1.23E-06	4.83E-07	4.73E-04	1.79E-07	4.53E-09	5.09E-04	1.93E-07	4.87E-09	8.99E-07	4.83E-07
3903	480363.09, 3853377.25	0.0071306	2.70E-06	1.06E-06	3.89E-03	1.47E-06	5.78E-07	6.52E-04	2.46E-07	6.23E-09	7.05E-04	2.67E-07	6.75E-09	1.06E-06	5.79E-07
3904	480863.09, 3853377.25	0.0079229	3.00E-06	1.18E-06	4.30E-03	1.63E-06	6.39E-07	6.91E-04	2.61E-07	6.61E-09	7.62E-04	2.88E-07	7.29E-09	1.18E-06	6.40E-07
3905	481363.09, 3853377.25	0.0091348	3.45E-06	1.36E-06	5.10E-03	1.93E-06	7.57E-07	1.01E-03	3.80E-07	9.62E-09	1.08E-03	4.10E-07	1.04E-08	1.36E-06	7.58E-07
3906	481863.09, 3853377.25	0.0115705	4.37E-06	1.72E-06	6.65E-03	2.52E-06	9.88E-07	1.58E-03	5.98E-07	1.51E-08	1.67E-03	6.30E-07	1.59E-08	1.72E-06	9.89E-07
3907	482363.09, 3853377.25	0.019113	7.23E-06	2.84E-06	1.13E-02	4.28E-06	1.68E-06	3.11E-03	1.18E-06	2.97E-08	3.23E-03	1.22E-06	3.09E-08	2.84E-06	1.68E-06
3908	482863.09, 3853377.25	0.089136	3.37E-05	1.32E-05	5.65E-02	2.14E-05	8.39E-06	2.03E-02	7.67E-06	1.94E-07	2.32E-02	8.77E-06	2.22E-07	1.33E-05	8.42E-06
3909	483363.09, 3853377.25	0.0271459	1.03E-05	4.03E-06	1.58E-02	5.96E-06	2.34E-06	3.96E-03	1.50E-06	3.79E-08	4.48E-03	1.69E-06	4.28E-08	4.04E-06	2.35E-06
3910	483863.09, 3853377.25	0.0204297	7.72E-06	3.03E-06	1.14E-02	4.33E-06	1.70E-06	2.32E-03	8.79E-07	2.22E-08	2.70E-03	1.02E-06	2.58E-08	3.04E-06	1.70E-06
3911	484363.09, 3853377.25	0.0178682	6.76E-06	2.65E-06	9.85E-03	3.72E-06	1.46E-06	1.78E-03	6.73E-07	1.70E-08	2.12E-03	8.01E-07	2.03E-08	2.66E-06	1.47E-06
3912	484863.09, 3853377.25	0.016608	6.28E-06	2.47E-06	8.92E-03	3.37E-06	1.33E-06	1.30E-03	4.92E-07	1.25E-08	1.59E-03	6.00E-07	1.52E-08	2.47E-06	1.33E-06
3913	485363.09, 3853377.25	0.0144012	5.44E-06	2.14E-06	7.66E-03	2.89E-06	1.14E-06	1.00E-03	3.78E-07	9.58E-09	1.22E-03	4.60E-07	1.16E-08	2.14E-06	1.14E-06
3914	485863.09, 3853377.25	0.0118782	4.49E-06	1.76E-06	6.32E-03	2.39E-06	9.39E-07	8.41E-04	3.18E-07	8.05E-09	1.01E-03	3.83E-07	9.70E-09	1.77E-06	9.41E-07
3915	486363.09, 3853377.25	0.0118376	4.48E-06	1.76E-06	6.28E-03	2.37E-06	9.33E-07	8.02E-04	3.03E-07	7.67E-09	9.71E-04	3.67E-07	9.29E-09	1.76E-06	9.34E-07
3916	486863.09, 3853377.25	0.0115796	4.38E-06	1.72E-06	6.13E-03	2.32E-06	9.10E-07	7.58E-04	2.87E-07	7.25E-09	9.21E-04	3.48E-07	8.81E-09	1.72E-06	9.11E-07
3917	487363.09, 3853377.25	0.0116368	4.40E-06	1.73E-06	6.14E-03	2.32E-06	9.12E-07	7.38E-04	2.79E-07	7.06E-09	9.01E-04	3.41E-07	8.62E-09	1.73E-06	9.14E-07
3918	487863.09, 3853377.25	0.0115231	4.36E-06	1.71E-06	6.07E-03	2.29E-06	9.02E-07	7.14E-04	2.70E-07	6.83E-09	8.73E-04	3.30E-07	8.35E-09	1.71E-06	9.03E-07
3919	488363.09, 3853377.25	0.0116142	4.39E-06	1.73E-06	6.11E-03	2.31E-06	9.07E-07	7.00E-04	2.65E-07	6.70E-09	8.57E-04	3.24E-07	8.20E-09	1.73E-06	9.08E-07
3920	488863.09, 3853377.25	0.0114863	4.34E-06	1.71E-06	6.03E-03	2.28E-06	8.95E-07	6.74E-04	2.55E-07	6.44E-09	8.23E-04	3.11E-07	7.87E-09	1.71E-06	8.96E-07
3921	489363.09, 3853377.25	0.0113078	4.28E-06	1.68E-06	5.92E-03	2.24E-06	8.80E-07	6.50E-04	2.46E-07	6.22E-09	7.93E-04	3.00E-07	7.59E-09	1.68E-06	8.81E-07
3922	489863.09, 3853377.25	0.0109856	4.15E-06	1.63E-06	5.75E-03	2.17E-06	8.54E-07	6.25E-04	2.36E-07	5.98E-09	7.57E-04	2.86E-07	7.24E-09	1.63E-06	8.55E-07
3923	490363.09, 3853377.25	0.0112059	4.24E-06	1.66E-06	5.86E-03	2.21E-06	8.70E-07	6.23E-04	2.36E-07	5.96E-09	7.56E-04	2.86E-07	7.23E-09	1.67E-06	8.71E-07
3924	490863.09, 3853377.25	0.0113018	4.27E-06	1.68E-06	5.90E-03	2.23E-06	8.76E-07	6.16E-04	2.33E-07	5.89E-09	7.46E-04	2.82E-07	7.14E-09	1.68E-06	8.77E-07
3925	491363.09, 3853377.25	0.0113855	4.30E-06	1.69E-06	5.93E-03	2.24E-06	8.81E-07	6.08E-04	2.30E-07	5.81E-09	7.35E-04	2.78E-07	7.03E-09	1.69E-06	8.83E-07
3926	491863.09, 3853377.25	0.0113365	4.29E-06	1.68E-06	5.90E-03	2.23E-06	8.77E-07	5.98E-04	2.26E-07	5.72E-09	7.20E-04	2.72E-07	6.89E-09	1.68E-06	8.78E-07
3927	492363.09, 3853377.25	0.0114147	4.32E-06	1.70E-06	5.94E-03	2.25E-06	8.82E-07	5.97E-04	2.26E-07	5.71E-09	7.17E-04	2.71E-07	6.85E-09	1.70E-06	8.84E-07
3928	492863.09, 3853377.25	0.0114566	4.33E-06	1.70E-06	5.96E-03	2.25E-06	8.85E-07	5.95E-04	2.25E-07	5.69E-09	7.12E-04	2.69E-07	6.81E-09	1.70E-06	8.86E-07
3929	493363.09, 3853377.25	0.0113157	4.28E-06	1.68E-06	5.89E-03	2.23E-06	8.74E-07	5.86E-04	2.22E-07	5.60E-09	6.97E-04	2.64E-07	6.67E-09	1.68E-06	8.75E-07
3930	493863.09, 3853377.25	0.011159	4.22E-06	1.66E-06	5.80E-03	2.19E-06	8.62E-07	5.75E-04	2.17E-07	5.50E-09	6.79E-04	2.57E-07	6.50E-09	1.66E-06	8.63E-07
3931	494363.09, 3853377.25	0.0108524	4.10E-06	1.61E-06	5.64E-03	2.13E-06	8.38E-07	5.56E-04	2.10E-07	5.32E-09	6.53E-04	2.47E-07	6.25E-09	1.61E-06	8.39E-07
3932	494863.09, 3853377.25	0.0104891	3.97E-06	1.56E-06	5.45E-03	2.06E-06	8.10E-07	5.36E-04	2.03E-07	5.12E-09	6.24E-04	2.36E-07	5.96E-09	1.56E-06	8.11E-07
3933	495363.09, 3853377.25	0.0102318	3.87E-06	1.52E-06	5.32E-03	2.01E-06	7.90E-07	5.23E-04	1.98E-07	5.00E-09	6.06E-04	2.29E-07	5.79E-09	1.52E-06	7.91E-07
3934	495863.09, 3853377.25	0.0098729	3.73E-06	1.47E-06	5.13E-03	1.94E-06	7.62E-07	5.06E-04	1.91E-07	4.84E-09	5.81E-04	2.20E-07	5.56E-09	1.47E-06	7.63E-07
3935	496363.09, 3853377.25	0.0094243	3.56E-06	1.40E-06	4.90E-03	1.85E-06	7.28E-07	4.84E-04	1.83E-07	4.63E-09	5.52E-04	2.09E-07	5.28E-09	1.40E-06	7.28E-07
3936	496863.09, 3853377.25	0.0087956	3.33E-06	1.31E-06	4.57E-03	1.73E-06	6.79E-07	4.53E-04	1.71E-07	4.33E-09	5.14E-04	1.94E-07	4.92E-09	1.31E-06	6.80E-07
3937	497363.09, 3853377.25	0.0079366	3.00E-06	1.18E-06	4.13E-03	1.56E-06	6.14E-07	4.17E-04	1.58E-07	3.99E-09	4.67E-04	1.77E-07	4.47E-09	1.18E-06	6.14E-07
3938	497863.09, 3853377.25	0.0065347	2.47E-06	9.71E-07	3.41E-03	1.29E-06	5.06E-07	3.54E-04	1.34E-07	3.39E-09	3.88E-04	1.47E-07	3.72E-09	9.71E-07	5.07E-07
3939	498363.09, 3853377.25	0.0058858	2.23E-06	8.74E-07	3.07E-03	1.16E-06	4.56E-07	3.23E-04	1.22E-07	3.09E-09	3.51E-04	1.33E-07	3.36E-09	8.75E-07	4.57E-07
3940	471363.09, 3853877.25	0.0029305	1.11E-06	4.35E-07	1.58E-03	5.97E-07	2.35E-07	2.37E-04	8.94E-08	2.26E-09	2.46E-04	9.32E-08	2.36E-09	4.35E-07	2.35E-07
3941	471863.09, 3853877.25	0.0030699	1.16E-06	4.56E-07	1.65E-03	6.25E-07	2.46E-07	2.48E-04	9.36E-08	2.37E-09	2.60E-04	9.81E-08	2.48E-09	4.56E-07	2.46E-07
3942	472363.09, 3853877.25	0.0032055	1.21E-06	4.76E-07	1.73E-03	6.52E-07	2.56E-07	2.55E-04	9.65E-08	2.44E-09	2.68E-04	1.01E-07	2.56E-09	4.76E-07	2.56E-07
3943	472863.09, 3853877.25	0.0033434	1.26E-06	4.97E-07	1.80E-03	6.80E-07	2.67E-07	2.65E-04	1.00E-07	2.53E-09	2.79E-04	1.06E-07	2.67E-09	4.97E-07	2.67E-07
3944	473363.09, 3853877.25	0.0034639	1.31E-06	5.15E-07	1.86E-03	7.04E-07	2.76E-07	2.71E-04	1.02E-07	2.59E-09	2.86E-04	1.08E-07	2.73E-09	5.15E-07	2.77E-07

3945	473863.09, 3853877.25	0.0035978	1.36E-06	5.34E-07	1.93E-03	7.30E-07	2.87E-07	2.77E-04	1.05E-07	2.65E-09	2.94E-04	1.11E-07	2.81E-09	5.35E-07	2.87E-07
3946	474363.09, 3853877.25	0.0037624	1.42E-06	5.59E-07	2.02E-03	7.62E-07	3.00E-07	2.87E-04	1.08E-07	2.74E-09	3.04E-04	1.15E-07	2.90E-09	5.59E-07	3.00E-07
3947	474863.09, 3853877.25	0.0039104	1.48E-06	5.81E-07	2.09E-03	7.91E-07	3.11E-07	2.95E-04	1.11E-07	2.82E-09	3.10E-04	1.17E-07	2.97E-09	5.81E-07	3.11E-07
3948	475363.09, 3853877.25	0.0040035	1.51E-06	5.95E-07	2.14E-03	8.08E-07	3.18E-07	2.93E-04	1.11E-07	2.80E-09	3.09E-04	1.17E-07	2.95E-09	5.95E-07	3.18E-07
3949	475863.09, 3853877.25	0.0040018	1.51E-06	5.94E-07	2.13E-03	8.05E-07	3.16E-07	2.82E-04	1.07E-07	2.70E-09	2.97E-04	1.12E-07	2.84E-09	5.95E-07	3.16E-07
3950	476363.09, 3853877.25	0.0038823	1.47E-06	5.77E-07	2.07E-03	7.82E-07	3.07E-07	2.76E-04	1.04E-07	2.64E-09	2.86E-04	1.08E-07	2.73E-09	5.77E-07	3.07E-07
3951	476863.09, 3853877.25	0.0037578	1.42E-06	5.58E-07	2.00E-03	7.56E-07	2.97E-07	2.65E-04	1.00E-07	2.53E-09	2.71E-04	1.02E-07	2.59E-09	5.58E-07	2.97E-07
3952	477363.09, 3853877.25	0.0040385	1.53E-06	6.00E-07	2.15E-03	8.12E-07	3.19E-07	2.80E-04	1.06E-07	2.68E-09	2.89E-04	1.09E-07	2.76E-09	6.00E-07	3.19E-07
3953	477863.09, 3853877.25	0.0043261	1.64E-06	6.43E-07	2.30E-03	8.70E-07	3.42E-07	3.01E-04	1.14E-07	2.88E-09	3.09E-04	1.17E-07	2.95E-09	6.43E-07	3.42E-07
3954	478363.09, 3853877.25	0.0045589	1.72E-06	6.77E-07	2.42E-03	9.15E-07	3.59E-07	3.10E-04	1.17E-07	2.97E-09	3.20E-04	1.21E-07	3.06E-09	6.77E-07	3.59E-07
3955	478863.09, 3853877.25	0.0043509	1.64E-06	6.46E-07	2.30E-03	8.71E-07	3.42E-07	2.87E-04	1.08E-07	2.74E-09	2.94E-04	1.11E-07	2.81E-09	6.46E-07	3.42E-07
3956	479363.09, 3853877.25	0.0049937	1.89E-06	7.42E-07	2.64E-03	9.99E-07	3.92E-07	3.26E-04	1.23E-07	3.12E-09	3.35E-04	1.27E-07	3.20E-09	7.42E-07	3.92E-07
3957	479863.09, 3853877.25	0.006389	2.42E-06	9.49E-07	3.38E-03	1.28E-06	5.02E-07	4.18E-04	1.58E-07	4.00E-09	4.41E-04	1.67E-07	4.22E-09	9.49E-07	5.02E-07
3958	480363.09, 3853877.25	0.0076489	2.89E-06	1.14E-06	4.06E-03	1.53E-06	6.02E-07	5.15E-04	1.95E-07	4.93E-09	5.53E-04	2.09E-07	5.29E-09	1.14E-06	6.03E-07
3959	480863.09, 3853877.25	0.0090331	3.42E-06	1.34E-06	4.85E-03	1.83E-06	7.20E-07	6.99E-04	2.64E-07	6.68E-09	7.46E-04	2.82E-07	7.14E-09	1.34E-06	7.21E-07
3960	481363.09, 3853877.25	0.0106279	4.02E-06	1.58E-06	5.76E-03	2.18E-06	8.55E-07	9.04E-04	3.42E-07	8.65E-09	9.53E-04	3.60E-07	9.12E-09	1.58E-06	8.56E-07
3961	481863.09, 3853877.25	0.0137035	5.18E-06	2.04E-06	7.54E-03	2.85E-06	1.12E-06	1.35E-03	5.09E-07	1.29E-08	1.32E-03	4.97E-07	1.26E-08	2.04E-06	1.12E-06
3962	482363.09, 3853877.25	0.02283	8.63E-06	3.39E-06	1.27E-02	4.79E-06	1.88E-06	2.39E-03	9.04E-07	2.29E-08	2.12E-03	8.03E-07	2.03E-08	3.39E-06	1.88E-06
3963	482863.09, 3853877.25	0.1568685	5.93E-05	2.33E-05	1.04E-01	3.93E-05	1.54E-05	4.27E-02	1.61E-05	4.08E-07	1.17E-02	4.42E-06	1.12E-07	2.30E-05	1.51E-05
3964	483363.09, 3853877.25	0.0769806	2.91E-05	1.14E-05	4.04E-02	1.53E-05	6.01E-06	4.59E-03	1.74E-06	4.39E-08	7.51E-03	2.84E-06	7.18E-08	1.15E-05	6.03E-06
3965	483863.09, 3853877.25	0.04159	1.57E-05	6.18E-06	2.20E-02	8.30E-06	3.26E-06	2.65E-03	1.00E-06	2.53E-08	4.11E-03	1.55E-06	3.93E-08	6.19E-06	3.27E-06
3966	484363.09, 3853877.25	0.0313177	1.18E-05	4.65E-06	1.64E-02	6.19E-06	2.43E-06	1.75E-03	6.62E-07	1.67E-08	2.75E-03	1.04E-06	2.63E-08	4.66E-06	2.44E-06
3967	484863.09, 3853877.25	0.0258121	9.76E-06	3.83E-06	1.34E-02	5.06E-06	1.99E-06	1.27E-03	4.81E-07	1.22E-08	1.94E-03	7.32E-07	1.85E-08	3.84E-06	1.99E-06
3968	485363.09, 3853877.25	0.0194198	7.34E-06	2.88E-06	1.01E-02	3.80E-06	1.49E-06	9.41E-04	3.56E-07	9.01E-09	1.36E-03	5.15E-07	1.30E-08	2.89E-06	1.50E-06
3969	485863.09, 3853877.25	0.0190385	7.20E-06	2.83E-06	9.83E-03	3.72E-06	1.46E-06	8.77E-04	3.32E-07	8.39E-09	1.27E-03	4.82E-07	1.22E-08	2.83E-06	1.46E-06
3970	486363.09, 3853877.25	0.0175033	6.62E-06	2.60E-06	9.05E-03	3.42E-06	1.34E-06	8.18E-04	3.09E-07	7.82E-09	1.16E-03	4.39E-07	1.11E-08	2.60E-06	1.35E-06
3971	486863.09, 3853877.25	0.0162472	6.14E-06	2.41E-06	8.41E-03	3.18E-06	1.25E-06	7.72E-04	2.92E-07	7.39E-09	1.07E-03	4.04E-07	1.02E-08	2.42E-06	1.25E-06
3972	487363.09, 3853877.25	0.0159563	6.03E-06	2.37E-06	8.26E-03	3.12E-06	1.23E-06	7.60E-04	2.87E-07	7.27E-09	1.03E-03	3.91E-07	9.90E-09	2.37E-06	1.23E-06
3973	487863.09, 3853877.25	0.0161898	6.12E-06	2.40E-06	8.37E-03	3.17E-06	1.24E-06	7.66E-04	2.90E-07	7.33E-09	1.04E-03	3.94E-07	9.98E-09	2.41E-06	1.25E-06
3974	488363.09, 3853877.25	0.0158814	6.00E-06	2.36E-06	8.21E-03	3.11E-06	1.22E-06	7.50E-04	2.84E-07	7.18E-09	1.01E-03	3.81E-07	9.65E-09	2.36E-06	1.22E-06
3975	488863.09, 3853877.25	0.0158003	5.97E-06	2.35E-06	8.17E-03	3.09E-06	1.21E-06	7.46E-04	2.82E-07	7.13E-09	9.96E-04	3.76E-07	9.52E-09	2.35E-06	1.22E-06
3976	489363.09, 3853877.25	0.0151467	5.73E-06	2.25E-06	7.83E-03	2.96E-06	1.16E-06	7.06E-04	2.67E-07	6.76E-09	9.26E-04	3.50E-07	8.85E-09	2.25E-06	1.16E-06
3977	489863.09, 3853877.25	0.0149386	5.65E-06	2.22E-06	7.72E-03	2.92E-06	1.15E-06	6.94E-04	2.62E-07	6.64E-09	8.96E-04	3.39E-07	8.57E-09	2.22E-06	1.15E-06
3978	490363.09, 3853877.25	0.014535	5.50E-06	2.16E-06	7.51E-03	2.84E-06	1.12E-06	6.70E-04	2.53E-07	6.41E-09	8.54E-04	3.23E-07	8.17E-09	2.16E-06	1.12E-06
3979	490863.09, 3853877.25	0.0143146	5.41E-06	2.13E-06	7.39E-03	2.79E-06	1.10E-06	6.56E-04	2.48E-07	6.28E-09	8.28E-04	3.13E-07	7.92E-09	2.13E-06	1.10E-06
3980	491363.09, 3853877.25	0.0140898	5.33E-06	2.09E-06	7.28E-03	2.75E-06	1.08E-06	6.47E-04	2.45E-07	6.19E-09	8.06E-04	3.05E-07	7.71E-09	2.09E-06	1.08E-06
3981	491863.09, 3853877.25	0.0137999	5.22E-06	2.05E-06	7.13E-03	2.70E-06	1.06E-06	6.38E-04	2.41E-07	6.10E-09	7.87E-04	2.97E-07	7.53E-09	2.05E-06	1.06E-06
3982	492363.09, 3853877.25	0.0136564	5.16E-06	2.03E-06	7.06E-03	2.67E-06	1.05E-06	6.38E-04	2.41E-07	6.10E-09	7.80E-04	2.95E-07	7.46E-09	2.03E-06	1.05E-06
3983	492863.09, 3853877.25	0.0134422	5.08E-06	2.00E-06	6.95E-03	2.63E-06	1.03E-06	6.31E-04	2.39E-07	6.04E-09	7.64E-04	2.89E-07	7.31E-09	2.00E-06	1.03E-06
3984	493363.09, 3853877.25	0.0131283	4.96E-06	1.95E-06	6.79E-03	2.57E-06	1.01E-06	6.14E-04	2.32E-07	5.87E-09	7.38E-04	2.79E-07	7.06E-09	1.95E-06	1.01E-06
3985	493863.09, 3853877.25	0.0127691	4.83E-06	1.90E-06	6.60E-03	2.50E-06	9.80E-07	5.95E-04	2.25E-07	5.69E-09	7.08E-04	2.68E-07	6.78E-09	1.90E-06	9.81E-07
3986	494363.09, 3853877.25	0.012444	4.70E-06	1.85E-06	6.43E-03	2.43E-06	9.55E-07	5.81E-04	2.20E-07	5.56E-09	6.86E-04	2.59E-07	6.56E-09	1.85E-06	9.56E-07
3987	494863.09, 3853877.25	0.0120285	4.55E-06	1.79E-06	6.22E-03	2.35E-06	9.23E-07	5.61E-04	2.12E-07	5.36E-09	6.56E-04	2.48E-07	6.28E-09	1.79E-06	9.24E-07
3988	495363.09, 3853877.25	0.0112138	4.24E-06	1.67E-06	5.80E-03	2.19E-06	8.61E-07	5.25E-04	1.98E-07	5.02E-09	6.07E-04	2.30E-07	5.81E-09	1.67E-06	8.62E-07
3989	495863.09, 3853877.25	0.0104079	3.94E-06	1.55E-06	5.39E-03	2.04E-06	8.00E-07	4.95E-04	1.87E-07	4.74E-09	5.66E-04	2.14E-07	5.42E-09	1.55E-06	8.01E-07
3990	496363.09, 3853877.25	0.0098875	3.74E-06	1.47E-06	5.12E-03	1.94E-06	7.60E-07	4.75E-04	1.79E-07	4.54E-09	5.39E-04	2.04E-07	5.15E-09	1.47E-06	7.61E-07
3991	496863.09, 3853877.25	0.0089752	3.39E-06	1.33E-06	4.65E-03	1.76E-06	6.91E-07	4.40E-04	1.66E-07	4.21E-09	4.95E-04	1.87E-07	4.73E-09	1.33E-06	6.92E-07
3992	497363.09, 3853877.25	0.0082346	3.11E-06	1.22E-06	4.27E-03	1.62E-06	6.35E-07	4.12E-04	1.56E-07	3.94E-09	4.57E-04	1.73E-07	4.37E-09	1.22E-06	6.35E-07
3993	497863.09, 3853877.25	0.0072764	2.75E-06	1.08E-06	3.78E-03	1.43E-06	5.62E-07	3.74E-04	1.42E-07	3.58E-09	4.10E-04	1.55E-07	3.92E-09	1.08E-06	5.62E-07
3994	498363.09, 3853877.25	0.0067465	2.55E-06	1.00E-06	3.51E-03	1.33E-06	5.21E-07	3.49E-04	1.32E-07	3.34E-09	3.82E-04	1.44E-07	3.65E-09	1.00E-06	5.22E-07
3995	471363.09, 3854377.25	0.0028358	1.07E-06	4.21E-07	1.53E-03	5.78E-07	2.27E-07	2.29E-04	8.65E-08	2.19E-09	2.38E-04	9.01E-08	2.28E-09	4.21E-07	2.27E-07
3996	471863.09, 3854377.25	0.0029745	1.12E-06	4.42E-07	1.60E-03	6.06E-07	2.38E-07	2.40E-04	9.06E-08	2.29E-09	2.50E-04	9.44E-08	2.39E-09	4.42E-07	2.38E-07
3997	472363.09, 3854377.25	0.0031092	1.18E-06	4.62E-07	1.67E-03	6.33E-07	2.49E-07	2.48E-04	9.36E-08	2.37E-09	2.58E-04	9.75E-08	2.47E-09	4.62E-07	2.49E-07
3998	472863.09, 3854377.25	0.0032401	1.23E-06	4.81E-07	1.74E-03	6.58E-07	2.58E-07	2.52E-04	9.54E-08	2.41E-09	2.64E-04	1.00E-07	2.53E-09	4.81E-07	2.59E-07
3999	473363.09, 3854377.25	0.0034046	1.29E-06	5.06E-07	1.83E-03	6.90E-07	2.71E-07	2.62E-04	9.89E-08	2.50E-09	2.73E-04	1.03E-07	2.61E-09	5.06E-07	2.71E-07
4000	473863.09, 3854377.25	0.0035835	1.35E-06	5.32E-07	1.92E-03	7.26E-07	2.85E-07	2.71E-04	1.02E-07	2.59E-09	2.84E-04	1.07E-07	2.72E-09	5.32E-07	2.85E-07
4001	474363.09, 3854377.25	0.0037608	1.42E-06	5.59E-07	2.01E-03	7.60E-07	2.99E-07	2.79E-04	1.05E-07	2.67E-09	2.92E-04	1.10E-07	2.79E-09	5.59E-07	2.99E-07
4002	474863.09, 3854377.25	0.0038805	1.47E-06	5.76E-07	2.07E-03	7.81E-07	3.07E-07	2.74E-04	1.04E-07	2.62E-09	2.87E-04	1.09E-07	2.75E-09	5.77E-07	3.07E-07
4003	475363.09, 3854377.25	0.0039213	1.48E-06	5.82E-07	2.08E-03	7.85E-07	3.09E-07	2.62E-04	9.89E-08	2.50E-09	2.74E-04	1.04E-07	2.62E-09	5.83E-07	3.09E-07
4004	475863.09, 3854377.25	0.0036004	1.36E-06	5.35E-07	1.91E-03	7.20E-07	2.83E-07	2.37E-04	8.94E-08	2.26E-09	2.45E-04	9.26E-08	2.34E-09	5.35E-07	2.83E-07
4005	476363.09, 3854377.25	0.0035767	1.35E-06	5.31E-07	1.89E-03	7.16E-07	2.81E-07	2.38E-04	9.00E-08	2.28E-09	2.45E-04	9.26E-08	2.34E-09	5.31E-07	2.81E-07
4006	476863.09, 3854377.25	0.0036817	1.39E-06	5.47E-07	1.95E-03	7.37E-07	2.90E-07	2.44E-04	9.24E-08	2.34E-09	2.50E-04	9.44E-08	2.39E-09	5.47E-07	2.90E-07
4007	477363.09, 3854377.25	0.0038021	1.44E-06	5.65E-07	2.01E-03	7.61E-07	2.99E-07	2.52E-04	9.54E-08	2.41E-09	2.58E-04	9.75E-08	2.47E-09	5.65E-07	2.99E-07
4008	477863.09, 3854377.25	0.0040082	1.52E-06	5.95E-07	2.12E-03	8.02E-07	3.15E-07	2.63E-04	9.95E-08	2.52E-09	2.68E-04	1.01E-07	2.56E-09	5.95E-07	3.15E-07
4009	478363.09, 3854377.25	0.0044049	1.67E-06	6.54E-07	2.33E-03	8.80E-07	3.46E-07	2.84E-04	1.07E-07	2.71E-09	2.87E-04	1.09E-07	2.75E-09	6.54E-07	3.46E-07
4010	478863.09, 3854377.25	0.0047524	1.80E-06	7.06E-07	2.51E-03	9.47E-07	3.72E-07	2.98E-04	1.13E-07	2.85E-09	3.00E-04	1.14E-07	2.87E-09	7.06E-07	3.72E-07
4011	479363.09, 3854377.25	0.0057166	2.16E-06	8.49E-07	3.00E-03	1.14E-06	4.46E-07	3.43E-04	1.30E-07	3.28E-09	3.51E-04	1.33E-07	3.36E-09	8.49E-07	4.46E-07
4012	479863.09, 3854377.25	0.0067117	2.54E-06	9.97E-07	3.51E-03	1.33E-06	5.22E-07	3.81E-04	1.44E-07	3.64E-09	3.95E-04	1.49E-07	3.78E-09	9.97E-07	5.22E-07
4013	480363.09, 3854377.25	0.0081491	3.08E-06	1.21E-06	4.26E-03	1.61E-06	6.33E-07	4.53E-04	1.71E-07	4.33E-09	4.73E-04	1.79E-07	4.53E-09	1.21E-06	6.33E-07
4014	480863.09, 3854377.25	0.01017	3.85E-06	1.51E-06	5.33E-03	2.01E-06	7.91E-07	5.84E-04	2.21E-07	5.59E-09	6.09E-04	2.30E-07	5.82E-09	1.51E-06	7.92E-07
4015	481363.09, 3854377.25	0.0123129	4.66E-06	1.83E-06	6.50E-03	2.46E-06	9.65E-07	7.80E-04	2.95E-07	7.46E-09	7.85E-04	2.97E-07	7.51E-09	1.83E-06	9.65E-07
4016	481863.09, 3854377.25	0.0159289	6.02E-06	2.37E-06	8.54E-03	3.23E-06	1.27E-06	1.23E-03	4.63E-07	1.17E-08	1.05E-03	3.97E-07	1.00E-08	2.36E-06	1.27E-06
4017	482363.09, 3854377.25	0.026406	9.98E-06	3.92E-06	1.42E-02	5.37E-06	2.11E-06	2.08E-03	7.85E-07	1.99E-08	1.41E-03	5.31E-07	1.34E-08	3.92E-06	2.10E-06
4018	482863.09, 3854377.25	0.1518241	5.74E-05	2.26E-05	9.45E-02	3.57E-05	1.40E-05	3.19E-02	1.21E-05	3.05E-07	2.45E-03	9.26E-07	2.34E-08	2.23E-05	1.38E-05
4019	483363.09, 3854377.25	0.1565922	5.92E-05	2.33E-05	7.98E-02	3.02E-05	1.19E-05	5.53E-03	2.09E-06	5.29E-08	9.25E-03	3.50E-06	8.85E-08	2.33E-05	1.19E-05
4020	483863.09, 3854377.25	0.0967626	3.66E-05	1.44E-05	4.88E-02	1.84E-05	7.24E-06	2.56E-03	9.70E-07	2.45E-08	1.50E-02	5.67E-06	1.43E-07	1.45E-05	7.36E-06
4021	484363.09, 3854377.25	0.0580163	2.19E-05	8.62E-06	2.93E-02	1.11E-05	4.35E-06	1.67E-03	6.31E-07	1.60E-08	5.12E-03	1.94E-06	4.90E-08	8.65E-06	4.39E-06
4022	484863.09, 3854377.25	0.0387306	1.46E-05	5.75E-06	1.97E-02	7.43E-06	2.92E-06	1.24E-03	4.68E-07	1.18E-08	2.83E-03	1.07E-06	2.71E-08	5.77E-06	2.93E-06
4023	485363.09, 3854377.25	0.0353782	1.34E-05	5.25E-06	1.80E-02	6.80E-06	2.67E-06	1.17E-03	4.44E-07	1.12E-08	2.48E-03	9.37E-07	2.37E-08	5.27E-06	2.68E-06
4024	485863.09, 3854377.25	0.0287659	1.09E-05	4.27E-06	1.46E-02	5.53E-06	2.17E-06	9.76E-04	3.69E-07	9.34E-09	1.81E-03	6.86E-07	1.73E-08	4.28E-06	2.18E-06
4025	486363.09, 3854377.25	0.0267349	1.01E-05	3.97E-06	1.36E-02	5.14E-06	2.02E-06	9.05E-04	3.42E-07	8.66E-09	1.60E-03	6.04E-07	1.53E-08	3.98E-06	2.03E-06
4026	486863.09, 3854377.25	0.0240343	9.09E-06	3.57E-06	1.22E-02	4.62E-06	1.82E-06	8.24E-04	3.12E-07	7.88E-09	1.36E-03	5.13E-07	1.30E-08	3.57E-06	1.82E-06
4027	487363.09, 3854377.25	0.0229069	8.66E-06	3.40E-06	1.17E-02	4.41E-06	1.73E-06	8.05E-04	3.04E-07	7.70E-09	1.27E-03	4.80E-07	1.21E-08	3.41E-06	1.74E-06
4028	487863.09, 3854377.25	0.0221371	8.37E-06	3.29E-06	1.13E-02	4.27E-06	1.68E-06	8.19E-04	3.10E-07	7.84E-09	1.24E-03	4.67E-07	1.18E-08	3.29E-06	1.68E-06
4029	488363.09, 3854377.25	0.0211714	8.00E-06	3.14E-06	1.08E-02	4.10E-06	1.61E-06	8.15E-04	3.08E-07	7.79E-09	1.18E-03	4.47E-07	1.13E-08	3.15E-06	1.61E-06
4030	488863.09, 3854377.25	0.020329	7.69E-06	3.02E-06	1.04E-02	3.94E-06	1.55E-06	8.00E-04	3.03E-07	7.66E-09	1.12E-03	4.25E-07	1.08E-08	3.02E-06	1.55E-06
4031	489363.09, 3854377.25	0.0195259	7.38E-06	2.90E-06	1.00E-02	3.78E-06	1.49E-06	7.82E-04	2.96E-07	7.48E-09	1.07E-03	4.03E-07	1.02E-08	2.90E-06	1.49E-06
4032	489863.09, 3854377.25	0.0187524	7.09E-06	2.79E-06	9.62E-03	3.64E-06	1.43E-06	7.57E-04	2.86E-07	7.24E-09	1.01E-03	3.81E-07	9.65E-09	2.79E-06	1.43E-06
4033	490363.09, 3854377.25	0.0180406	6.82E-06	2.68E-06	9.25E-03	3.50E-06	1.37E-06	7.30E-04	2.76E-07	6.98E-09	9.53E-04	3.60E-07	9.12E-09	2.68E-06	1.38E-06
4034	490863.09, 3854377.25	0.0166149	6.28E-06	2.47E-06	8.51E-03	3.22E-06	1.26E-06	6.60E-04	2.49E-07	6.31E-09	8.42E-04	3.18E-07	8.06E-09	2.47E-06	1.27E-06
4035	491363.09, 3854377.25	0.0165481	6.26E-06	2.46E-06	8.49E-03	3.21E-06	1.26E-06	6.75E-04	2.55E-07	6.46E-09	8.52E-04	3.22E-07	8.15E-09	2.46E-06	1.26E-06
4036	491863.09, 3854377.25	0.0162594	6.15E-06	2.42E-06	8.36E-03	3.16E-06	1.24E-06	6.83E-04	2.58E-07	6.53E-09	8.49E-04	3.21E-07	8.12E-09	2.42E-06	1.24E-06
4037	492363.09, 3854377.25	0.0158444	5.99E-06	2.35E-06	8.15E-03	3.08E-06	1.21E-06	6.77E-04	2.56E-07	6.47E-09	8.31E-04	3.14E-07	7.95E-09	2.35E-06	1.21E-06
4038	492863.09, 3854377.25	0.0153895	5.82E-06	2.29E-06	7.92E-03	2.99E-06	1.18E-06	6.61E-04	2.50E-07	6.32E-09	8.01E-04	3.03E-07	7.67E-09	2.29E-06	1.18E-06

4039	493363.09, 3854377.25	0.0148964	5.63E-06	2.21E-06	7.66E-03	2.90E-06	1.14E-06	6.41E-04	2.42E-07	6.13E-09	7.69E-04	2.91E-07	7.35E-09	2.21E-06	1.14E-06
4040	493863.09, 3854377.25	0.0143983	5.44E-06	2.14E-06	7.41E-03	2.80E-06	1.10E-06	6.20E-04	2.35E-07	5.93E-09	7.36E-04	2.78E-07	7.04E-09	2.14E-06	1.10E-06
4041	494363.09, 3854377.25	0.013911	5.26E-06	2.07E-06	7.16E-03	2.71E-06	1.06E-06	6.00E-04	2.27E-07	5.74E-09	7.07E-04	2.67E-07	6.76E-09	2.07E-06	1.06E-06
4042	494863.09, 3854377.25	0.0127201	4.81E-06	1.89E-06	6.55E-03	2.47E-06	9.72E-07	5.48E-04	2.07E-07	5.24E-09	6.37E-04	2.41E-07	6.09E-09	1.89E-06	9.73E-07
4043	495363.09, 3854377.25	0.0111285	4.21E-06	1.65E-06	5.73E-03	2.17E-06	8.52E-07	4.92E-04	1.86E-07	4.71E-09	5.65E-04	2.14E-07	5.40E-09	1.65E-06	8.52E-07
4044	495863.09, 3854377.25	0.0100068	3.78E-06	1.49E-06	5.17E-03	1.95E-06	7.67E-07	4.56E-04	1.72E-07	4.36E-09	5.16E-04	1.95E-07	4.93E-09	1.49E-06	7.68E-07
4045	496363.09, 3854377.25	0.0094709	3.58E-06	1.41E-06	4.89E-03	1.85E-06	7.27E-07	4.37E-04	1.65E-07	4.18E-09	4.90E-04	1.85E-07	4.68E-09	1.41E-06	7.27E-07
4046	496863.09, 3854377.25	0.0087526	3.31E-06	1.30E-06	4.53E-03	1.71E-06	6.73E-07	4.15E-04	1.57E-07	3.97E-09	4.59E-04	1.73E-07	4.39E-09	1.30E-06	6.73E-07
4047	497363.09, 3854377.25	0.0077403	2.93E-06	1.15E-06	4.01E-03	1.52E-06	5.96E-07	3.79E-04	1.43E-07	3.63E-09	4.13E-04	1.56E-07	3.95E-09	1.15E-06	5.96E-07
4048	497863.09, 3854377.25	0.0077993	2.95E-06	1.16E-06	4.04E-03	1.53E-06	6.01E-07	3.82E-04	1.45E-07	3.66E-09	4.16E-04	1.57E-07	3.98E-09	1.16E-06	6.01E-07
4049	498363.09, 3854377.25	0.0072334	2.73E-06	1.07E-06	3.75E-03	1.42E-06	5.58E-07	3.62E-04	1.37E-07	3.46E-09	3.92E-04	1.48E-07	3.75E-09	1.07E-06	5.58E-07
4050	471363.09, 3854877.25	0.0027916	1.06E-06	4.15E-07	1.50E-03	5.69E-07	2.23E-07	2.26E-04	8.53E-08	2.16E-09	2.35E-04	8.89E-08	2.25E-09	4.15E-07	2.24E-07
4051	471863.09, 3854877.25	0.0029123	1.10E-06	4.33E-07	1.57E-03	5.93E-07	2.33E-07	2.33E-04	8.82E-08	2.23E-09	2.43E-04	9.20E-08	2.33E-09	4.33E-07	2.33E-07
4052	472363.09, 3854877.25	0.0030306	1.15E-06	4.50E-07	1.63E-03	6.16E-07	2.42E-07	2.40E-04	9.06E-08	2.29E-09	2.50E-04	9.44E-08	2.39E-09	4.50E-07	2.42E-07
4053	472863.09, 3854877.25	0.0031428	1.19E-06	4.67E-07	1.69E-03	6.37E-07	2.50E-07	2.41E-04	9.12E-08	2.31E-09	2.51E-04	9.50E-08	2.40E-09	4.67E-07	2.50E-07
4054	473363.09, 3854877.25	0.0033066	1.25E-06	4.91E-07	1.77E-03	6.70E-07	2.63E-07	2.51E-04	9.48E-08	2.40E-09	2.61E-04	9.87E-08	2.50E-09	4.91E-07	2.63E-07
4055	473863.09, 3854877.25	0.0034706	1.31E-06	5.15E-07	1.86E-03	7.02E-07	2.76E-07	2.60E-04	9.83E-08	2.49E-09	2.71E-04	1.02E-07	2.59E-09	5.16E-07	2.76E-07
4056	474363.09, 3854877.25	0.0036802	1.39E-06	5.47E-07	1.97E-03	7.44E-07	2.92E-07	2.73E-04	1.03E-07	2.61E-09	2.84E-04	1.07E-07	2.72E-09	5.47E-07	2.92E-07
4057	474863.09, 3854877.25	0.0037245	1.41E-06	5.53E-07	1.98E-03	7.47E-07	2.94E-07	2.54E-04	9.59E-08	2.43E-09	2.64E-04	1.00E-07	2.53E-09	5.53E-07	2.94E-07
4058	475363.09, 3854877.25	0.0035911	1.36E-06	5.33E-07	1.90E-03	7.18E-07	2.82E-07	2.35E-04	8.88E-08	2.25E-09	2.42E-04	9.13E-08	2.31E-09	5.33E-07	2.82E-07
4059	475863.09, 3854877.25	0.003438	1.30E-06	5.11E-07	1.82E-03	6.87E-07	2.70E-07	2.21E-04	8.35E-08	2.11E-09	2.25E-04	8.52E-08	2.15E-09	5.11E-07	2.70E-07
4060	476363.09, 3854877.25	0.003158	1.19E-06	4.69E-07	1.67E-03	6.31E-07	2.48E-07	2.04E-04	7.70E-08	1.95E-09	2.04E-04	7.71E-08	1.95E-09	4.69E-07	2.48E-07
4061	476863.09, 3854877.25	0.0032882	1.24E-06	4.88E-07	1.73E-03	6.56E-07	2.58E-07	2.07E-04	7.82E-08	1.98E-09	2.09E-04	7.90E-08	2.00E-09	4.88E-07	2.58E-07
4062	477363.09, 3854877.25	0.0036167	1.37E-06	5.37E-07	1.91E-03	7.21E-07	2.83E-07	2.26E-04	8.53E-08	2.16E-09	2.27E-04	8.58E-08	2.17E-09	5.37E-07	2.83E-07
4063	477863.09, 3854877.25	0.0039041	1.48E-06	5.80E-07	2.06E-03	7.78E-07	3.06E-07	2.44E-04	9.24E-08	2.34E-09	2.46E-04	9.32E-08	2.36E-09	5.80E-07	3.06E-07
4064	478363.09, 3854877.25	0.0045217	1.71E-06	6.72E-07	2.38E-03	8.99E-07	3.53E-07	2.76E-04	1.04E-07	2.64E-09	2.79E-04	1.06E-07	2.67E-09	6.72E-07	3.53E-07
4065	478863.09, 3854877.25	0.0053176	2.01E-06	7.90E-07	2.79E-03	1.06E-06	4.15E-07	3.16E-04	1.20E-07	3.03E-09	3.22E-04	1.22E-07	3.08E-09	7.90E-07	4.15E-07
4066	479363.09, 3854877.25	0.0065117	2.46E-06	9.67E-07	3.40E-03	1.29E-06	5.05E-07	3.59E-04	1.36E-07	3.43E-09	3.69E-04	1.39E-07	3.53E-09	9.67E-07	5.05E-07
4067	479863.09, 3854877.25	0.0077955	2.95E-06	1.16E-06	4.06E-03	1.53E-06	6.03E-07	4.07E-04	1.54E-07	3.90E-09	4.24E-04	1.60E-07	4.06E-09	1.16E-06	6.03E-07
4068	480363.09, 3854877.25	0.0091421	3.46E-06	1.36E-06	4.74E-03	1.79E-06	7.05E-07	4.54E-04	1.72E-07	4.35E-09	4.82E-04	1.82E-07	4.61E-09	1.36E-06	7.05E-07
4069	480863.09, 3854877.25	0.0110183	4.17E-06	1.64E-06	5.72E-03	2.16E-06	8.50E-07	5.59E-04	2.11E-07	5.35E-09	5.91E-04	2.23E-07	5.65E-09	1.64E-06	8.51E-07
4070	481363.09, 3854877.25	0.0134744	5.09E-06	2.00E-06	7.00E-03	2.65E-06	1.04E-06	6.89E-04	2.61E-07	6.59E-09	6.97E-04	2.64E-07	6.67E-09	2.00E-06	1.04E-06
4071	481863.09, 3854877.25	0.018291	6.92E-06	2.72E-06	9.41E-03	3.56E-06	1.40E-06	7.90E-04	2.99E-07	7.55E-09	7.72E-04	2.92E-07	7.39E-09	2.72E-06	1.40E-06
4072	482363.09, 3854877.25	0.0278501	1.05E-05	4.14E-06	1.46E-02	5.51E-06	2.16E-06	1.57E-03	5.92E-07	1.50E-08	1.01E-03	3.81E-07	9.65E-09	4.13E-06	2.16E-06
4073	482863.09, 3854877.25	0.118666	4.49E-05	1.76E-05	6.02E-02	2.28E-05	8.94E-06	3.79E-03	1.43E-06	3.63E-08	1.28E-03	4.83E-07	1.22E-08	1.76E-05	8.92E-06
4074	483363.09, 3854877.25	0.1803373	6.82E-05	2.68E-05	9.96E-02	3.76E-05	1.48E-05	1.83E-02	6.90E-06	1.75E-07	1.80E-03	6.81E-07	1.72E-08	2.66E-05	1.46E-05
4075	483863.09, 3854877.25	0.1819068	6.88E-05	2.70E-05	9.14E-02	3.46E-05	1.36E-05	4.49E-03	1.70E-06	4.30E-08	3.44E-03	1.30E-06	3.29E-08	2.70E-05	1.36E-05
4076	484363.09, 3854877.25	0.1888561	7.14E-05	2.81E-05	9.35E-02	3.53E-05	1.39E-05	2.43E-03	9.18E-07	2.32E-08	2.09E-02	7.92E-06	2.00E-07	2.82E-05	1.41E-05
4077	484863.09, 3854877.25	0.1008611	3.81E-05	1.50E-05	5.03E-02	1.90E-05	7.47E-06	1.81E-03	6.85E-07	1.73E-08	1.34E-02	5.07E-06	1.28E-07	1.51E-05	7.58E-06
4078	485363.09, 3854877.25	0.0648808	2.45E-05	9.64E-06	3.25E-02	1.23E-05	4.83E-06	1.47E-03	5.57E-07	1.41E-08	5.12E-03	1.94E-06	4.90E-08	9.67E-06	4.87E-06
4079	485863.09, 3854877.25	0.0499403	1.89E-05	7.42E-06	2.51E-02	9.50E-06	3.73E-06	1.26E-03	4.75E-07	1.20E-08	3.14E-03	1.19E-06	3.00E-08	7.44E-06	3.75E-06
4080	486363.09, 3854877.25	0.0409166	1.55E-05	6.08E-06	2.06E-02	7.80E-06	3.06E-06	1.10E-03	4.16E-07	1.05E-08	2.27E-03	8.58E-07	2.17E-08	6.09E-06	3.07E-06
4081	486863.09, 3854877.25	0.0352637	1.33E-05	5.24E-06	1.78E-02	6.73E-06	2.64E-06	9.92E-04	3.75E-07	9.49E-09	1.82E-03	6.86E-07	1.74E-08	5.25E-06	2.65E-06
4082	487363.09, 3854877.25	0.031915	1.21E-05	4.74E-06	1.61E-02	6.10E-06	2.40E-06	9.34E-04	3.53E-07	8.93E-09	1.59E-03	6.02E-07	1.52E-08	4.75E-06	2.40E-06
4083	487863.09, 3854877.25	0.0291117	1.10E-05	4.32E-06	1.47E-02	5.58E-06	2.19E-06	8.94E-04	3.38E-07	8.56E-09	1.44E-03	5.44E-07	1.38E-08	4.33E-06	2.20E-06
4084	488363.09, 3854877.25	0.0269467	1.02E-05	4.00E-06	1.37E-02	5.17E-06	2.03E-06	8.79E-04	3.32E-07	8.41E-09	1.34E-03	5.05E-07	1.28E-08	4.01E-06	2.04E-06
4085	488863.09, 3854877.25	0.0253639	9.59E-06	3.77E-06	1.29E-02	4.88E-06	1.92E-06	8.77E-04	3.32E-07	8.39E-09	1.27E-03	4.80E-07	1.21E-08	3.77E-06	1.92E-06
4086	489363.09, 3854877.25	0.0238802	9.03E-06	3.55E-06	1.22E-02	4.60E-06	1.81E-06	8.58E-04	3.25E-07	8.21E-09	1.19E-03	4.51E-07	1.14E-08	3.55E-06	1.81E-06
4087	489863.09, 3854877.25	0.0224433	8.49E-06	3.33E-06	1.15E-02	4.33E-06	1.70E-06	8.15E-04	3.08E-07	7.79E-09	1.10E-03	4.17E-07	1.06E-08	3.34E-06	1.70E-06
4088	490363.09, 3854877.25	0.0202721	7.66E-06	3.01E-06	1.03E-02	3.90E-06	1.53E-06	7.05E-04	2.67E-07	6.74E-09	9.29E-04	3.51E-07	8.88E-09	3.01E-06	1.54E-06
4089	490863.09, 3854877.25	0.0165473	6.26E-06	2.46E-06	8.44E-03	3.19E-06	1.25E-06	6.05E-04	2.29E-07	5.78E-09	7.56E-04	2.86E-07	7.23E-09	2.46E-06	1.26E-06
4090	491363.09, 3854877.25	0.0169645	6.41E-06	2.52E-06	8.66E-03	3.27E-06	1.29E-06	6.19E-04	2.34E-07	5.92E-09	7.72E-04	2.92E-07	7.39E-09	2.52E-06	1.29E-06
4091	491863.09, 3854877.25	0.0186091	7.04E-06	2.76E-06	9.53E-03	3.60E-06	1.41E-06	7.24E-04	2.74E-07	6.92E-09	9.03E-04	3.41E-07	8.63E-09	2.77E-06	1.42E-06
4092	492363.09, 3854877.25	0.0180055	6.81E-06	2.67E-06	9.23E-03	3.49E-06	1.37E-06	7.19E-04	2.72E-07	6.88E-09	8.80E-04	3.33E-07	8.42E-09	2.68E-06	1.37E-06
4093	492863.09, 3854877.25	0.0173306	6.55E-06	2.57E-06	8.88E-03	3.36E-06	1.32E-06	6.96E-04	2.63E-07	6.65E-09	8.41E-04	3.18E-07	8.04E-09	2.58E-06	1.32E-06
4094	493363.09, 3854877.25	0.0166187	6.28E-06	2.47E-06	8.52E-03	3.22E-06	1.27E-06	6.66E-04	2.52E-07	6.37E-09	7.98E-04	3.02E-07	7.64E-09	2.47E-06	1.27E-06
4095	493863.09, 3854877.25	0.0159849	6.04E-06	2.37E-06	8.20E-03	3.10E-06	1.22E-06	6.42E-04	2.43E-07	6.14E-09	7.64E-04	2.89E-07	7.31E-09	2.38E-06	1.22E-06
4096	494363.09, 3854877.25	0.0143843	5.44E-06	2.14E-06	7.37E-03	2.79E-06	1.09E-06	5.69E-04	2.15E-07	5.44E-09	6.68E-04	2.52E-07	6.39E-09	2.14E-06	1.10E-06
4097	494863.09, 3854877.25	0.0119366	4.51E-06	1.77E-06	6.13E-03	2.32E-06	9.11E-07	4.97E-04	1.88E-07	4.75E-09	5.68E-04	2.15E-07	5.43E-09	1.77E-06	9.11E-07
4098	495363.09, 3854877.25	0.0103855	3.93E-06	1.54E-06	5.35E-03	2.02E-06	7.94E-07	4.51E-04	1.71E-07	4.32E-09	5.06E-04	1.91E-07	4.84E-09	1.54E-06	7.95E-07
4099	495863.09, 3854877.25	0.0095093	3.60E-06	1.41E-06	4.90E-03	1.85E-06	7.28E-07	4.26E-04	1.61E-07	4.08E-09	4.72E-04	1.78E-07	4.51E-09	1.41E-06	7.29E-07
4100	496363.09, 3854877.25	0.0084554	3.20E-06	1.26E-06	4.37E-03	1.65E-06	6.49E-07	3.92E-04	1.48E-07	3.75E-09	4.26E-04	1.61E-07	4.08E-09	1.26E-06	6.49E-07
4101	496863.09, 3854877.25	0.0078293	2.96E-06	1.16E-06	4.05E-03	1.53E-06	6.01E-07	3.70E-04	1.40E-07	3.54E-09	4.00E-04	1.51E-07	3.83E-09	1.16E-06	6.02E-07
4102	497363.09, 3854877.25	0.0075965	2.87E-06	1.13E-06	3.93E-03	1.49E-06	5.84E-07	3.63E-04	1.37E-07	3.48E-09	3.92E-04	1.48E-07	3.75E-09	1.13E-06	5.84E-07
4103	497863.09, 3854877.25	0.0078199	2.96E-06	1.16E-06	4.05E-03	1.53E-06	6.01E-07	3.76E-04	1.42E-07	3.60E-09	4.05E-04	1.53E-07	3.87E-09	1.16E-06	6.02E-07
4104	498363.09, 3854877.25	0.0076455	2.89E-06	1.14E-06	3.96E-03	1.50E-06	5.88E-07	3.71E-04	1.40E-07	3.55E-09	3.98E-04	1.51E-07	3.81E-09	1.14E-06	5.89E-07
4105	471363.09, 3855377.25	0.0027176	1.03E-06	4.04E-07	1.47E-03	5.54E-07	2.18E-07	2.21E-04	8.35E-08	2.11E-09	2.32E-04	8.76E-08	2.22E-09	4.04E-07	2.18E-07
4106	471863.09, 3855377.25	0.0028342	1.07E-06	4.21E-07	1.53E-03	5.77E-07	2.27E-07	2.26E-04	8.53E-08	2.16E-09	2.37E-04	8.95E-08	2.26E-09	4.21E-07	2.27E-07
4107	472363.09, 3855377.25	0.0029826	1.13E-06	4.43E-07	1.60E-03	6.06E-07	2.38E-07	2.33E-04	8.82E-08	2.23E-09	2.45E-04	9.26E-08	2.34E-09	4.43E-07	2.38E-07
4108	472863.09, 3855377.25	0.0030973	1.17E-06	4.60E-07	1.66E-03	6.28E-07	2.47E-07	2.37E-04	8.94E-08	2.26E-09	2.48E-04	9.38E-08	2.37E-09	4.60E-07	2.47E-07
4109	473363.09, 3855377.25	0.0032637	1.23E-06	4.85E-07	1.75E-03	6.61E-07	2.60E-07	2.48E-04	9.36E-08	2.37E-09	2.60E-04	9.81E-08	2.48E-09	4.85E-07	2.60E-07
4110	473863.09, 3855377.25	0.003428	1.30E-06	5.09E-07	1.83E-03	6.94E-07	2.72E-07	2.57E-04	9.71E-08	2.46E-09	2.69E-04	1.02E-07	2.58E-09	5.09E-07	2.73E-07
4111	474363.09, 3855377.25	0.0036174	1.37E-06	5.37E-07	1.93E-03	7.30E-07	2.87E-07	2.65E-04	1.00E-07	2.53E-09	2.77E-04	1.05E-07	2.65E-09	5.37E-07	2.87E-07
4112	474863.09, 3855377.25	0.0036759	1.39E-06	5.46E-07	1.95E-03	7.37E-07	2.89E-07	2.48E-04	9.36E-08	2.37E-09	2.60E-04	9.81E-08	2.48E-09	5.46E-07	2.90E-07
4113	475363.09, 3855377.25	0.0030376	1.15E-06	4.51E-07	1.61E-03	6.08E-07	2.39E-07	2.01E-04	7.58E-08	1.92E-09	2.06E-04	7.78E-08	1.97E-09	4.51E-07	2.39E-07
4114	475863.09, 3855377.25	0.0029324	1.11E-06	4.36E-07	1.55E-03	5.87E-07	2.30E-07	1.93E-04	7.28E-08	1.84E-09	1.94E-04	7.34E-08	1.86E-09	4.36E-07	2.30E-07
4115	476363.09, 3855377.25	0.0031698	1.20E-06	4.71E-07	1.68E-03	6.33E-07	2.49E-07	2.05E-04	7.76E-08	1.96E-09	2.07E-04	7.84E-08	1.98E-09	4.71E-07	2.49E-07
4116	476863.09, 3855377.25	0.0033147	1.25E-06	4.92E-07	1.75E-03	6.61E-07	2.60E-07	2.10E-04	7.94E-08	2.01E-09	2.11E-04	7.96E-08	2.01E-09	4.92E-07	2.60E-07
4117	477363.09, 3855377.25	0.0035503	1.34E-06	5.27E-07	1.87E-03	7.07E-07	2.78E-07	2.21E-04	8.35E-08	2.11E-09	2.22E-04	8.39E-08	2.12E-09	5.27E-07	2.78E-07
4118	477863.09, 3855377.25	0.0040212	1.52E-06	5.97E-07	2.12E-03	8.00E-07	3.14E-07	2.44E-04	9.24E-08	2.34E-09	2.46E-04	9.32E-08	2.36E-09	5.97E-07	3.14E-07
4119	478363.09, 3855377.25	0.0046472	1.76E-06	6.90E-07	2.44E-03	9.21E-07	3.62E-07	2.71E-04	1.02E-07	2.59E-09	2.76E-04	1.04E-07	2.64E-09	6.90E-07	3.62E-07
4120	478863.09, 3855377.25	0.0053471	2.02E-06	7.94E-07	2.80E-03	1.06E-06	4.15E-07	3.01E-04	1.14E-07	2.88E-09	3.07E-04	1.16E-07	2.94E-09	7.94E-07	4.15E-07
4121	479363.09, 3855377.25	0.006467	2.45E-06	9.61E-07	3.36E-03	1.27E-06	5.00E-07	3.35E-04	1.27E-07	3.21E-09	3.49E-04	1.32E-07	3.34E-09	9.61E-07	5.00E-07
4122	479863.09, 3855377.25	0.0076876	2.91E-06	1.14E-06	3.98E-03	1.51E-06	5.92E-07	3.74E-04	1.42E-07	3.58E-09	3.95E-04	1.49E-07	3.78E-09	1.14E-06	5.92E-07
4123	480363.09, 3855377.25	0.0094929	3.59E-06	1.41E-06	4.90E-03	1.85E-06	7.28E-07	4.37E-04	1.65E-07	4.18E-09	4.72E-04	1.78E-07	4.51E-09	1.41E-06	7.29E-07
4124	480863.09, 3855377.25	0.0114095	4.31E-06	1.69E-06	5.90E-03	2.23E-06	8.77E-07	5.39E-04	2.04E-07	5.15E-09	5.63E-04	2.13E-07	5.39E-09	1.69E-06	8.77E-07
4125	481363.09, 3855377.25	0.013444	5.08E-06	2.00E-06	6.99E-03	2.64E-06	1.04E-06	6.91E-04	2.61E-07	6.61E-09	6.55E-04	2.47E-07	6.26E-09	2.00E-06	1.04E-06
4126	481863.09, 3855377.25	0.0174074	6.58E-06	2.59E-06	9.04E-03	3.42E-06	1.34E-06	8.84E-04	3.34E-07	8.45E-09	7.31E-04	2.76E-07	6.99E-09	2.58E-06	1.34E-06
4127	482363.09, 3855377.25	0.0272575	1.03E-05	4.05E-06	1.40E-02	5.30E-06	2.08E-06	1.16E-03	4.39E-07	1.11E-08	8.05E-04	3.04E-07	7.70E-09	4.05E-06	2.08E-06
4128	482863.09, 3855377.25	0.114562	4.33E-05	1.70E-05	5.69E-02	2.15E-05	8.45E-06	1.72E-03	6.50E-07	1.65E-08	9.24E-04	3.49E-07	8.84E-09	1.70E-05	8.44E-06
4129	483363.09, 3855377.25	0.162766	6.15E-05	2.42E-05	8.17E-02	3.09E-05	1.21E-05	3.82E-03	1.44E-06	3.65E-08	1.10E-03	4.17E-07	1.05E-08	2.42E-05	1.21E-05
4130	483863.09, 3855377.25	0.2070483	7.83E-05	3.08E-05	1.17E-01	4.41E-05	1.73E-05	2.47E-02	9.35E-06	2.37E-07	1.47E-03	5.55E-07	1.41E-08	3.05E-05	1.71E-05
4131	484363.09, 3855377.25	0.1950027	7.37E-05	2.90E-05	9.81E-02	3.71E-05	1.46E-05	4.93E-03	1.86E-06	4.71E-08	2.23E-03	8.45E-07	2.14E-08	2.89E-05	1.45E-05
4132	484863.09, 3855377.25	0.1953253	7.38E-05	2.90E-05	9.70E-02	3.67E-05	1.44E-05	2.96E-03	1.12E-06	2.83E-08	6.12E-03	2.31E-06	5.85E-08	2.90E-05	1.44E-05

4133	485363.09, 3855377.25	0.1234149	4.67E-05	1.83E-05	6.14E-02	2.32E-05	9.13E-06	2.12E-03	8.01E-07	2.03E-08	1.41E-02	5.35E-06	1.35E-07	1.84E-05	9.24E-06
4134	485863.09, 3855377.25	0.0759479	2.87E-05	1.13E-05	3.81E-02	1.44E-05	5.65E-06	1.69E-03	6.38E-07	1.61E-08	5.16E-03	1.95E-06	4.94E-08	1.13E-05	5.69E-06
4135	486363.09, 3855377.25	0.0593503	2.24E-05	8.82E-06	2.98E-02	1.13E-05	4.42E-06	1.39E-03	5.27E-07	1.33E-08	3.20E-03	1.21E-06	3.06E-08	8.83E-06	4.44E-06
4136	486863.09, 3855377.25	0.0489379	1.85E-05	7.27E-06	2.46E-02	9.30E-06	3.65E-06	1.21E-03	4.56E-07	1.15E-08	2.34E-03	8.86E-07	2.24E-08	7.28E-06	3.66E-06
4137	487363.09, 3855377.25	0.0421915	1.60E-05	6.27E-06	2.13E-02	8.04E-06	3.16E-06	1.14E-03	4.31E-07	1.09E-08	2.00E-03	7.57E-07	1.92E-08	6.28E-06	3.17E-06
4138	487863.09, 3855377.25	0.0370223	1.40E-05	5.50E-06	1.87E-02	7.08E-06	2.78E-06	1.07E-03	4.06E-07	1.03E-08	1.75E-03	6.62E-07	1.68E-08	5.51E-06	2.79E-06
4139	488363.09, 3855377.25	0.0331247	1.25E-05	4.92E-06	1.68E-02	6.34E-06	2.49E-06	1.02E-03	3.85E-07	9.74E-09	1.56E-03	5.90E-07	1.49E-08	4.93E-06	2.50E-06
4140	488863.09, 3855377.25	0.0301929	1.14E-05	4.48E-06	1.53E-02	5.79E-06	2.28E-06	9.76E-04	3.69E-07	9.34E-09	1.42E-03	5.36E-07	1.36E-08	4.49E-06	2.28E-06
4141	489363.09, 3855377.25	0.0279465	1.06E-05	4.15E-06	1.42E-02	5.37E-06	2.11E-06	9.37E-04	3.54E-07	8.96E-09	1.30E-03	4.92E-07	1.25E-08	4.15E-06	2.11E-06
4142	489863.09, 3855377.25	0.0262182	9.91E-06	3.89E-06	1.33E-02	5.04E-06	1.98E-06	8.91E-04	3.37E-07	8.53E-09	1.21E-03	4.56E-07	1.15E-08	3.90E-06	1.98E-06
4143	490363.09, 3855377.25	0.0246395	9.32E-06	3.66E-06	1.26E-02	4.75E-06	1.87E-06	8.77E-04	3.32E-07	8.39E-09	1.14E-03	4.32E-07	1.09E-08	3.66E-06	1.87E-06
4144	490863.09, 3855377.25	0.0216626	8.19E-06	3.22E-06	1.10E-02	4.16E-06	1.63E-06	6.99E-04	2.64E-07	6.68E-09	9.08E-04	3.43E-07	8.68E-09	3.22E-06	1.64E-06
4145	491363.09, 3855377.25	0.0194353	7.35E-06	2.89E-06	9.88E-03	3.73E-06	1.47E-06	6.49E-04	2.45E-07	6.20E-09	8.15E-04	3.08E-07	7.79E-09	2.89E-06	1.47E-06
4146	491863.09, 3855377.25	0.0210173	7.95E-06	3.12E-06	1.07E-02	4.06E-06	1.59E-06	7.71E-04	2.91E-07	7.37E-09	9.57E-04	3.62E-07	9.15E-09	3.12E-06	1.60E-06
4147	492363.09, 3855377.25	0.0201085	7.60E-06	2.99E-06	1.03E-02	3.89E-06	1.53E-06	7.60E-04	2.87E-07	7.27E-09	9.22E-04	3.49E-07	8.82E-09	2.99E-06	1.53E-06
4148	492863.09, 3855377.25	0.01918	7.25E-06	2.85E-06	9.81E-03	3.71E-06	1.46E-06	7.28E-04	2.75E-07	6.97E-09	8.77E-04	3.31E-07	8.38E-09	2.85E-06	1.46E-06
4149	493363.09, 3855377.25	0.0181248	6.85E-06	2.69E-06	9.26E-03	3.50E-06	1.38E-06	6.77E-04	2.56E-07	6.47E-09	8.15E-04	3.08E-07	7.79E-09	2.69E-06	1.38E-06
4150	493863.09, 3855377.25	0.0163268	6.17E-06	2.43E-06	8.34E-03	3.15E-06	1.24E-06	6.02E-04	2.27E-07	5.75E-09	7.12E-04	2.69E-07	6.81E-09	2.43E-06	1.24E-06
4151	494363.09, 3855377.25	0.0135708	5.13E-06	2.02E-06	6.95E-03	2.63E-06	1.03E-06	5.26E-04	1.99E-07	5.03E-09	6.04E-04	2.28E-07	5.78E-09	2.02E-06	1.03E-06
4152	494863.09, 3855377.25	0.0111559	4.22E-06	1.66E-06	5.73E-03	2.17E-06	8.51E-07	4.62E-04	1.75E-07	4.42E-09	5.14E-04	1.94E-07	4.92E-09	1.66E-06	8.51E-07
4153	495363.09, 3855377.25	0.0095718	3.62E-06	1.42E-06	4.93E-03	1.86E-06	7.32E-07	4.18E-04	1.58E-07	4.00E-09	4.57E-04	1.73E-07	4.37E-09	1.42E-06	7.32E-07
4154	495863.09, 3855377.25	0.008598	3.25E-06	1.28E-06	4.43E-03	1.68E-06	6.59E-07	3.87E-04	1.46E-07	3.70E-09	4.18E-04	1.58E-07	4.00E-09	1.28E-06	6.59E-07
4155	496363.09, 3855377.25	0.0083078	3.14E-06	1.23E-06	4.29E-03	1.62E-06	6.37E-07	3.81E-04	1.44E-07	3.64E-09	4.08E-04	1.54E-07	3.90E-09	1.23E-06	6.37E-07
4156	496863.09, 3855377.25	0.0080725	3.05E-06	1.20E-06	4.17E-03	1.58E-06	6.20E-07	3.74E-04	1.42E-07	3.58E-09	4.00E-04	1.51E-07	3.83E-09	1.20E-06	6.20E-07
4157	497363.09, 3855377.25	0.0079864	3.02E-06	1.19E-06	4.13E-03	1.56E-06	6.13E-07	3.74E-04	1.42E-07	3.58E-09	4.02E-04	1.52E-07	3.84E-09	1.19E-06	6.14E-07
4158	497863.09, 3855377.25	0.0080618	3.05E-06	1.20E-06	4.17E-03	1.58E-06	6.19E-07	3.82E-04	1.45E-07	3.66E-09	4.06E-04	1.54E-07	3.89E-09	1.20E-06	6.20E-07
4159	498363.09, 3855377.25	0.008207	3.10E-06	1.22E-06	4.25E-03	1.61E-06	6.31E-07	3.90E-04	1.47E-07	3.73E-09	4.16E-04	1.57E-07	3.98E-09	1.22E-06	6.31E-07
4160	471363.09, 3855877.25	0.0026276	9.93E-07	3.90E-07	1.42E-03	5.36E-07	2.11E-07	2.16E-04	8.17E-08	2.07E-09	2.27E-04	8.58E-08	2.17E-09	3.90E-07	2.11E-07
4161	471863.09, 3855877.25	0.0027442	1.04E-06	4.08E-07	1.48E-03	5.59E-07	2.20E-07	2.21E-04	8.35E-08	2.11E-09	2.33E-04	8.83E-08	2.23E-09	4.08E-07	2.20E-07
4162	472363.09, 3855877.25	0.0028947	1.09E-06	4.30E-07	1.56E-03	5.89E-07	2.31E-07	2.30E-04	8.71E-08	2.20E-09	2.43E-04	9.20E-08	2.33E-09	4.30E-07	2.31E-07
4163	472863.09, 3855877.25	0.003021	1.14E-06	4.49E-07	1.62E-03	6.13E-07	2.41E-07	2.32E-04	8.77E-08	2.22E-09	2.45E-04	9.26E-08	2.34E-09	4.49E-07	2.41E-07
4164	473363.09, 3855877.25	0.0032014	1.21E-06	4.76E-07	1.71E-03	6.48E-07	2.55E-07	2.43E-04	9.18E-08	2.32E-09	2.58E-04	9.75E-08	2.47E-09	4.76E-07	2.55E-07
4165	473863.09, 3855877.25	0.0033934	1.28E-06	5.04E-07	1.81E-03	6.86E-07	2.70E-07	2.52E-04	9.54E-08	2.41E-09	2.68E-04	1.01E-07	2.56E-09	5.04E-07	2.70E-07
4166	474363.09, 3855877.25	0.0035677	1.35E-06	5.30E-07	1.90E-03	7.20E-07	2.83E-07	2.58E-04	9.77E-08	2.47E-09	2.74E-04	1.04E-07	2.62E-09	5.30E-07	2.83E-07
4167	474863.09, 3855877.25	0.0036065	1.36E-06	5.36E-07	1.91E-03	7.21E-07	2.83E-07	2.37E-04	8.94E-08	2.26E-09	2.51E-04	9.50E-08	2.40E-09	5.36E-07	2.84E-07
4168	475363.09, 3855877.25	0.0032377	1.22E-06	4.81E-07	1.71E-03	6.46E-07	2.54E-07	2.07E-04	7.82E-08	1.98E-09	2.14E-04	8.08E-08	2.05E-09	4.81E-07	2.54E-07
4169	475863.09, 3855877.25	0.0026448	1.00E-06	3.93E-07	1.40E-03	5.29E-07	2.08E-07	1.72E-04	6.51E-08	1.65E-09	1.75E-04	6.60E-08	1.67E-09	3.93E-07	2.08E-07
4170	476363.09, 3855877.25	0.0027913	1.06E-06	4.15E-07	1.47E-03	5.57E-07	2.19E-07	1.79E-04	6.75E-08	1.71E-09	1.81E-04	6.85E-08	1.73E-09	4.15E-07	2.19E-07
4171	476863.09, 3855877.25	0.0032228	1.22E-06	4.79E-07	1.70E-03	6.43E-07	2.53E-07	2.04E-04	7.70E-08	1.95E-09	2.06E-04	7.78E-08	1.97E-09	4.79E-07	2.53E-07
4172	477363.09, 3855877.25	0.0035753	1.35E-06	5.31E-07	1.88E-03	7.12E-07	2.80E-07	2.21E-04	8.35E-08	2.11E-09	2.24E-04	8.45E-08	2.14E-09	5.31E-07	2.80E-07
4173	477863.09, 3855877.25	0.0040238	1.52E-06	5.98E-07	2.11E-03	7.99E-07	3.14E-07	2.38E-04	9.00E-08	2.28E-09	2.43E-04	9.20E-08	2.33E-09	5.98E-07	3.14E-07
4174	478363.09, 3855877.25	0.0046469	1.76E-06	6.90E-07	2.43E-03	9.19E-07	3.61E-07	2.63E-04	9.95E-08	2.52E-09	2.71E-04	1.02E-07	2.59E-09	6.90E-07	3.61E-07
4175	478863.09, 3855877.25	0.0055625	2.10E-06	8.26E-07	2.90E-03	1.09E-06	4.30E-07	2.91E-04	1.10E-07	2.79E-09	3.04E-04	1.15E-07	2.90E-09	8.26E-07	4.30E-07
4176	479363.09, 3855877.25	0.0067227	2.54E-06	9.99E-07	3.48E-03	1.32E-06	5.17E-07	3.27E-04	1.24E-07	3.13E-09	3.48E-04	1.31E-07	3.33E-09	9.99E-07	5.18E-07
4177	479863.09, 3855877.25	0.0079797	3.02E-06	1.19E-06	4.12E-03	1.56E-06	6.12E-07	3.63E-04	1.37E-07	3.48E-09	3.92E-04	1.48E-07	3.75E-09	1.19E-06	6.12E-07
4178	480363.09, 3855877.25	0.0095511	3.61E-06	1.42E-06	4.92E-03	1.86E-06	7.30E-07	4.17E-04	1.58E-07	3.99E-09	4.52E-04	1.71E-07	4.32E-09	1.42E-06	7.31E-07
4179	480863.09, 3855877.25	0.0113713	4.30E-06	1.69E-06	5.85E-03	2.21E-06	8.69E-07	4.92E-04	1.86E-07	4.71E-09	5.22E-04	1.97E-07	5.00E-09	1.69E-06	8.70E-07
4180	481363.09, 3855877.25	0.0137119	5.18E-06	2.04E-06	7.02E-03	2.65E-06	1.04E-06	5.31E-04	2.01E-07	5.08E-09	5.60E-04	2.12E-07	5.36E-09	2.04E-06	1.04E-06
4181	481863.09, 3855877.25	0.0160986	6.09E-06	2.39E-06	8.32E-03	3.15E-06	1.24E-06	7.57E-04	2.86E-07	7.24E-09	6.45E-04	2.44E-07	6.17E-09	2.39E-06	1.24E-06
4182	482363.09, 3855877.25	0.0219405	8.30E-06	3.26E-06	1.13E-02	4.26E-06	1.67E-06	9.24E-04	3.49E-07	8.84E-09	6.84E-04	2.59E-07	6.54E-09	3.26E-06	1.67E-06
4183	482863.09, 3855877.25	0.0384694	1.45E-05	5.71E-06	1.95E-02	7.36E-06	2.89E-06	1.17E-03	4.41E-07	1.12E-08	7.56E-04	2.86E-07	7.23E-09	5.71E-06	2.89E-06
4184	483363.09, 3855877.25	0.1399723	5.29E-05	2.08E-05	6.92E-02	2.62E-05	1.03E-05	1.66E-03	6.29E-07	1.59E-08	8.54E-04	3.23E-07	8.17E-09	2.08E-05	1.03E-05
4185	483863.09, 3855877.25	0.1736761	6.57E-05	2.58E-05	8.68E-02	3.28E-05	1.29E-05	3.43E-03	1.30E-06	3.28E-08	1.02E-03	3.85E-07	9.74E-09	2.58E-05	1.29E-05
4186	484363.09, 3855877.25	0.2334146	8.82E-05	3.47E-05	1.39E-01	5.27E-05	2.07E-05	4.00E-02	1.51E-05	3.83E-07	1.34E-03	5.08E-07	1.28E-08	3.43E-05	2.03E-05
4187	484863.09, 3855877.25	0.2008114	7.59E-05	2.98E-05	1.02E-01	3.85E-05	1.51E-05	6.27E-03	2.37E-06	6.00E-08	2.01E-03	7.60E-07	1.92E-08	2.98E-05	1.51E-05
4188	485363.09, 3855877.25	0.2000811	7.56E-05	2.97E-05	9.96E-02	3.77E-05	1.48E-05	3.48E-03	1.31E-06	3.33E-08	5.37E-03	2.03E-06	5.14E-08	2.97E-05	1.48E-05
4189	485863.09, 3855877.25	0.1494293	5.65E-05	2.22E-05	7.43E-02	2.81E-05	1.10E-05	2.39E-03	9.03E-07	2.28E-08	1.56E-02	5.90E-06	1.49E-07	2.23E-05	1.12E-05
4190	486363.09, 3855877.25	0.083981	3.18E-05	1.25E-05	4.20E-02	1.59E-05	6.24E-06	1.79E-03	6.78E-07	1.71E-08	5.07E-03	1.92E-06	4.85E-08	1.25E-05	6.27E-06
4191	486863.09, 3855877.25	0.0645477	2.44E-05	9.59E-06	3.24E-02	1.22E-05	4.81E-06	1.50E-03	5.69E-07	1.44E-08	3.21E-03	1.22E-06	3.07E-08	9.60E-06	4.83E-06
4192	487363.09, 3855877.25	0.0526471	1.99E-05	7.82E-06	2.65E-02	1.00E-05	3.94E-06	1.39E-03	5.26E-07	1.33E-08	2.56E-03	9.67E-07	2.45E-08	7.83E-06	3.95E-06
4193	487863.09, 3855877.25	0.0446865	1.69E-05	6.64E-06	2.26E-02	8.54E-06	3.36E-06	1.30E-03	4.93E-07	1.25E-08	2.15E-03	8.12E-07	2.05E-08	6.65E-06	3.36E-06
4194	488363.09, 3855877.25	0.0390723	1.48E-05	5.80E-06	1.98E-02	7.49E-06	2.94E-06	1.22E-03	4.60E-07	1.16E-08	1.84E-03	6.97E-07	1.76E-08	5.81E-06	2.95E-06
4195	488863.09, 3855877.25	0.0350198	1.32E-05	5.20E-06	1.78E-02	6.72E-06	2.64E-06	1.14E-03	4.31E-07	1.09E-08	1.62E-03	6.13E-07	1.55E-08	5.21E-06	2.65E-06
4196	489363.09, 3855877.25	0.0319792	1.21E-05	4.75E-06	1.63E-02	6.15E-06	2.41E-06	1.07E-03	4.04E-07	1.02E-08	1.45E-03	5.49E-07	1.39E-08	4.75E-06	2.42E-06
4197	489863.09, 3855877.25	0.029603	1.12E-05	4.40E-06	1.51E-02	5.69E-06	2.24E-06	1.01E-03	3.82E-07	9.66E-09	1.32E-03	5.00E-07	1.26E-08	4.40E-06	2.24E-06
4198	490363.09, 3855877.25	0.027542	1.04E-05	4.09E-06	1.40E-02	5.30E-06	2.08E-06	9.68E-04	3.66E-07	9.26E-09	1.23E-03	4.63E-07	1.17E-08	4.09E-06	2.09E-06
4199	490863.09, 3855877.25	0.0259113	9.80E-06	3.85E-06	1.32E-02	4.99E-06	1.96E-06	9.09E-04	3.44E-07	8.69E-09	1.14E-03	4.31E-07	1.09E-08	3.85E-06	1.96E-06
4200	491363.09, 3855877.25	0.0244856	9.26E-06	3.64E-06	1.24E-02	4.71E-06	1.85E-06	8.16E-04	3.09E-07	7.81E-09	1.03E-03	3.91E-07	9.90E-09	3.64E-06	1.85E-06
4201	491863.09, 3855877.25	0.023134	8.75E-06	3.44E-06	1.18E-02	4.46E-06	1.75E-06	8.46E-04	3.20E-07	8.09E-09	1.02E-03	3.86E-07	9.76E-09	3.44E-06	1.76E-06
4202	492363.09, 3855877.25	0.0220304	8.33E-06	3.27E-06	1.12E-02	4.25E-06	1.67E-06	8.00E-04	3.03E-07	7.66E-09	9.60E-04	3.63E-07	9.18E-09	3.27E-06	1.67E-06
4203	492863.09, 3855877.25	0.0209235	7.91E-06	3.11E-06	1.07E-02	4.04E-06	1.59E-06	7.61E-04	2.88E-07	7.28E-09	9.04E-04	3.42E-07	8.65E-09	3.11E-06	1.59E-06
4204	493363.09, 3855877.25	0.0190227	7.19E-06	2.83E-06	9.69E-03	3.66E-06	1.44E-06	6.63E-04	2.51E-07	6.34E-09	7.87E-04	2.97E-07	7.53E-09	2.83E-06	1.44E-06
4205	493863.09, 3855877.25	0.0157381	5.95E-06	2.34E-06	8.03E-03	3.04E-06	1.19E-06	5.70E-04	2.16E-07	5.45E-09	6.56E-04	2.48E-07	6.28E-09	2.34E-06	1.19E-06
4206	494363.09, 3855877.25	0.0124804	4.72E-06	1.85E-06	6.39E-03	2.42E-06	9.50E-07	4.93E-04	1.87E-07	4.72E-09	5.48E-04	2.07E-07	5.25E-09	1.85E-06	9.50E-07
4207	494863.09, 3855877.25	0.0104602	3.95E-06	1.55E-06	5.38E-03	2.03E-06	7.99E-07	4.43E-04	1.68E-07	4.24E-09	4.80E-04	1.81E-07	4.59E-09	1.55E-06	7.99E-07
4208	495363.09, 3855877.25	0.0087808	3.32E-06	1.30E-06	4.53E-03	1.71E-06	6.72E-07	3.92E-04	1.48E-07	3.75E-09	4.16E-04	1.57E-07	3.98E-09	1.30E-06	6.73E-07
4209	495863.09, 3855877.25	0.0085005	3.21E-06	1.26E-06	4.39E-03	1.66E-06	6.52E-07	3.85E-04	1.46E-07	3.69E-09	4.08E-04	1.54E-07	3.90E-09	1.26E-06	6.52E-07
4210	496363.09, 3855877.25	0.0083064	3.14E-06	1.23E-06	4.29E-03	1.62E-06	6.37E-07	3.81E-04	1.44E-07	3.64E-09	4.03E-04	1.52E-07	3.86E-09	1.23E-06	6.37E-07
4211	496863.09, 3855877.25	0.0082914	3.13E-06	1.23E-06	4.28E-03	1.62E-06	6.36E-07	3.84E-04	1.45E-07	3.67E-09	4.06E-04	1.54E-07	3.89E-09	1.23E-06	6.36E-07
4212	497363.09, 3855877.25	0.0083204	3.15E-06	1.24E-06	4.30E-03	1.63E-06	6.39E-07	3.88E-04	1.47E-07	3.72E-09	4.11E-04	1.56E-07	3.93E-09	1.24E-06	6.39E-07
4213	497863.09, 3855877.25	0.0084519	3.20E-06	1.26E-06	4.37E-03	1.65E-06	6.49E-07	3.98E-04	1.50E-07	3.81E-09	4.19E-04	1.59E-07	4.01E-09	1.26E-06	6.49E-07
4214	498363.09, 3855877.25	0.0089315	3.38E-06	1.33E-06	4.62E-03	1.75E-06	6.86E-07	4.17E-04	1.58E-07	3.99E-09	4.44E-04	1.68E-07	4.25E-09	1.33E-06	6.86E-07
4215	471363.09, 3856377.25	0.0025595	9.68E-07	3.80E-07	1.38E-03	5.21E-07	2.05E-07	2.07E-04	7.82E-08	1.98E-09	2.19E-04	8.27E-08	2.09E-09	3.80E-07	2.05E-07
4216	471863.09, 3856377.25	0.0026757	1.01E-06	3.97E-07	1.44E-03	5.44E-07	2.14E-07	2.11E-04	8.00E-08	2.02E-09	2.24E-04	8.45E-08	2.14E-09	3.98E-07	2.14E-07
4217	472363.09, 3856377.25	0.002812	1.06E-06	4.18E-07	1.51E-03	5.71E-07	2.24E-07	2.21E-04	8.35E-08	2.11E-09	2.33E-04	8.83E-08	2.23E-09	4.18E-07	2.25E-07
4218	472863.09, 3856377.25	0.002974	1.12E-06	4.42E-07	1.60E-03	6.03E-07	2.37E-07	2.29E-04	8.65E-08	2.19E-09	2.43E-04	9.20E-08	2.33E-09	4.42E-07	2.37E-07
4219	473363.09, 3856377.25	0.0031357	1.19E-06	4.66E-07	1.68E-03	6.35E-07	2.49E-07	2.37E-04	8.94E-08	2.26E-09	2.51E-04	9.50E-08	2.40E-09	4.66E-07	2.50E-07
4220	473863.09, 3856377.25	0.0033316	1.26E-06	4.95E-07	1.78E-03	6.74E-07	2.65E-07	2.49E-04	9.42E-08	2.38E-09	2.64E-04	1.00E-07	2.53E-09	4.95E-07	2.65E-07
4221	474363.09, 3856377.25	0.0034811	1.32E-06	5.17E-07	1.85E-03	7.01E-07	2.75E-07	2.48E-04	9.36E-08	2.37E-09	2.64E-04	1.00E-07	2.53E-09	5.17E-07	2.76E-07
4222	474863.09, 3856377.25	0.003622	1.37E-06	5.38E-07	1.92E-03	7.25E-07	2.85E-07	2.40E-04	9.06E-08	2.29E-09	2.58E-04	9.75E-08	2.47E-09	5.38E-07	2.85E-07
4223	475363.09, 3856377.25	0.0036133	1.37E-06	5.37E-07	1.90E-03	7.19E-07	2.83E-07	2.22E-04	8.41E-08	2.13E-09	2.38E-04	9.01E-08	2.28E-09	5.37E-07	2.83E-07
4224	475863.09, 3856377.25	0.0032865	1.24E-06	4.88E-07	1.73E-03	6.54E-07	2.57E-07	2.02E-04	7.64E-08	1.93E-09	2.12E-04	8.02E-08	2.03E-09	4.88E-07	2.57E-07
4225	476363.09, 3856377.25	0.0033153	1.25E-06	4.92E-07	1.74E-03	6.59E-07	2.59E-07	2.02E-04	7.64E-08	1.93E-09	2.12E-04	8.02E-08	2.03E-09	4.93E-07	2.59E-07
4226	476863.09, 3856377.25	0.0034756	1.31E-06	5.16E-07	1.83E-03	6.90E-07	2.71E-07	2.08E-04	7.88E-08	1.99E-09	2.17E-04	8.21E-08	2.08E-09	5.16E-07	2.71E-07

4227	477363.09, 3856377.25	0.0037102	1.40E-06	5.51E-07	1.95E-03	7.36E-07	2.89E-07	2.19E-04	8.29E-08	2.10E-09	2.27E-04	8.58E-08	2.17E-09	5.51E-07	2.89E-07
4228	477863.09, 3856377.25	0.0035554	1.34E-06	5.28E-07	1.87E-03	7.07E-07	2.78E-07	2.15E-04	8.11E-08	2.05E-09	2.19E-04	8.27E-08	2.09E-09	5.28E-07	2.78E-07
4229	478363.09, 3856377.25	0.0036422	1.38E-06	5.41E-07	1.91E-03	7.23E-07	2.84E-07	2.18E-04	8.23E-08	2.08E-09	2.19E-04	8.27E-08	2.09E-09	5.41E-07	2.84E-07
4230	478863.09, 3856377.25	0.0049498	1.87E-06	7.35E-07	2.58E-03	9.75E-07	3.83E-07	2.63E-04	9.95E-08	2.52E-09	2.71E-04	1.02E-07	2.59E-09	7.35E-07	3.83E-07
4231	479363.09, 3856377.25	0.0059587	2.25E-06	8.85E-07	3.09E-03	1.17E-06	4.59E-07	2.90E-04	1.10E-07	2.77E-09	3.02E-04	1.14E-07	2.89E-09	8.85E-07	4.59E-07
4232	479863.09, 3856377.25	0.00777	2.94E-06	1.15E-06	4.00E-03	1.51E-06	5.94E-07	3.40E-04	1.29E-07	3.25E-09	3.67E-04	1.39E-07	3.51E-09	1.15E-06	5.95E-07
4233	480363.09, 3856377.25	0.0093221	3.52E-06	1.38E-06	4.80E-03	1.81E-06	7.12E-07	3.99E-04	1.51E-07	3.82E-09	4.31E-04	1.63E-07	4.12E-09	1.38E-06	7.13E-07
4234	480863.09, 3856377.25	0.010701	4.05E-06	1.59E-06	5.51E-03	2.08E-06	8.18E-07	4.64E-04	1.75E-07	4.44E-09	4.86E-04	1.84E-07	4.65E-09	1.59E-06	8.18E-07
4235	481363.09, 3856377.25	0.0122218	4.62E-06	1.82E-06	6.31E-03	2.38E-06	9.37E-07	5.53E-04	2.09E-07	5.29E-09	5.37E-04	2.03E-07	5.14E-09	1.82E-06	9.36E-07
4236	481863.09, 3856377.25	0.0140994	5.33E-06	2.09E-06	7.30E-03	2.76E-06	1.08E-06	6.75E-04	2.55E-07	6.46E-09	5.84E-04	2.21E-07	5.59E-09	2.09E-06	1.08E-06
4237	482363.09, 3856377.25	0.0174869	6.61E-06	2.60E-06	9.02E-03	3.41E-06	1.34E-06	7.85E-04	2.97E-07	7.51E-09	6.15E-04	2.33E-07	5.89E-09	2.60E-06	1.34E-06
4238	482863.09, 3856377.25	0.0247882	9.37E-06	3.68E-06	1.27E-02	4.79E-06	1.88E-06	9.24E-04	3.49E-07	8.84E-09	6.64E-04	2.51E-07	6.35E-09	3.68E-06	1.88E-06
4239	483363.09, 3856377.25	0.0687382	2.60E-05	1.02E-05	3.42E-02	1.29E-05	5.08E-06	1.14E-03	4.30E-07	1.09E-08	7.25E-04	2.74E-07	6.93E-09	1.02E-05	5.07E-06
4240	483863.09, 3856377.25	0.1535715	5.81E-05	2.28E-05	7.58E-02	2.86E-05	1.13E-05	1.58E-03	5.96E-07	1.51E-08	8.21E-04	3.10E-07	7.85E-09	2.28E-05	1.12E-05
4241	484363.09, 3856377.25	0.178364	6.74E-05	2.65E-05	8.87E-02	3.35E-05	1.32E-05	2.90E-03	1.10E-06	2.77E-08	9.92E-04	3.75E-07	9.49E-09	2.65E-05	1.32E-05
4242	484863.09, 3856377.25	0.2234772	8.45E-05	3.32E-05	1.28E-01	4.84E-05	1.90E-05	2.98E-02	1.13E-05	2.85E-07	1.27E-03	4.81E-07	1.22E-08	3.29E-05	1.87E-05
4243	485363.09, 3856377.25	0.2047178	7.74E-05	3.04E-05	1.05E-01	3.97E-05	1.56E-05	8.33E-03	3.15E-06	7.96E-08	1.88E-03	7.12E-07	1.80E-08	3.03E-05	1.55E-05
4244	485863.09, 3856377.25	0.2026326	7.66E-05	3.01E-05	1.01E-01	3.83E-05	1.50E-05	3.99E-03	1.51E-06	3.82E-08	4.72E-03	1.78E-06	4.51E-08	3.01E-05	1.50E-05
4245	486363.09, 3856377.25	0.1779797	6.73E-05	2.64E-05	8.82E-02	3.33E-05	1.31E-05	2.43E-03	9.20E-07	2.33E-08	1.80E-02	6.81E-06	1.72E-07	2.66E-05	1.32E-05
4246	486863.09, 3856377.25	0.0886218	3.35E-05	1.32E-05	4.44E-02	1.68E-05	6.60E-06	1.98E-03	7.50E-07	1.90E-08	5.69E-03	2.15E-06	5.44E-08	1.32E-05	6.63E-06
4247	487363.09, 3856377.25	0.0657451	2.49E-05	9.77E-06	3.31E-02	1.25E-05	4.92E-06	1.74E-03	6.59E-07	1.67E-08	3.54E-03	1.34E-06	3.39E-08	9.78E-06	4.94E-06
4248	487863.09, 3856377.25	0.0533179	2.02E-05	7.92E-06	2.70E-02	1.02E-05	4.01E-06	1.60E-03	6.05E-07	1.53E-08	2.65E-03	1.00E-06	2.54E-08	7.93E-06	4.02E-06
4249	488363.09, 3856377.25	0.0455923	1.72E-05	6.77E-06	2.31E-02	8.75E-06	3.44E-06	1.47E-03	5.56E-07	1.41E-08	2.17E-03	8.22E-07	2.08E-08	6.78E-06	3.44E-06
4250	488863.09, 3856377.25	0.0402812	1.52E-05	5.98E-06	2.05E-02	7.74E-06	3.04E-06	1.36E-03	5.13E-07	1.30E-08	1.86E-03	7.02E-07	1.78E-08	5.99E-06	3.05E-06
4251	489363.09, 3856377.25	0.0363587	1.37E-05	5.40E-06	1.85E-02	7.00E-06	2.75E-06	1.26E-03	4.76E-07	1.20E-08	1.63E-03	6.18E-07	1.56E-08	5.40E-06	2.75E-06
4252	489863.09, 3856377.25	0.0331644	1.25E-05	4.93E-06	1.69E-02	6.39E-06	2.51E-06	1.17E-03	4.43E-07	1.12E-08	1.46E-03	5.53E-07	1.40E-08	4.93E-06	2.51E-06
4253	490363.09, 3856377.25	0.0306397	1.16E-05	4.55E-06	1.56E-02	5.90E-06	2.32E-06	1.09E-03	4.11E-07	1.04E-08	1.33E-03	5.02E-07	1.27E-08	4.55E-06	2.32E-06
4254	490863.09, 3856377.25	0.0285828	1.08E-05	4.25E-06	1.46E-02	5.51E-06	2.16E-06	1.01E-03	3.83E-07	9.68E-09	1.22E-03	4.63E-07	1.17E-08	4.25E-06	2.17E-06
4255	491363.09, 3856377.25	0.0267665	1.01E-05	3.98E-06	1.36E-02	5.16E-06	2.03E-06	9.57E-04	3.62E-07	9.16E-09	1.14E-03	4.31E-07	1.09E-08	3.98E-06	2.03E-06
4256	491863.09, 3856377.25	0.0252493	9.55E-06	3.75E-06	1.29E-02	4.87E-06	1.91E-06	9.04E-04	3.42E-07	8.65E-09	1.06E-03	4.02E-07	1.02E-08	3.75E-06	1.91E-06
4257	492363.09, 3856377.25	0.023974	9.06E-06	3.56E-06	1.22E-02	4.62E-06	1.81E-06	8.41E-04	3.18E-07	8.05E-09	9.89E-04	3.74E-07	9.46E-09	3.56E-06	1.82E-06
4258	492863.09, 3856377.25	0.0221737	8.38E-06	3.29E-06	1.13E-02	4.26E-06	1.67E-06	7.47E-04	2.83E-07	7.15E-09	8.81E-04	3.33E-07	8.43E-09	3.29E-06	1.68E-06
4259	493363.09, 3856377.25	0.0177898	6.73E-06	2.64E-06	9.05E-03	3.42E-06	1.34E-06	6.09E-04	2.30E-07	5.83E-09	6.95E-04	2.63E-07	6.65E-09	2.64E-06	1.35E-06
4260	493863.09, 3856377.25	0.0147622	5.58E-06	2.19E-06	7.54E-03	2.85E-06	1.12E-06	5.48E-04	2.07E-07	5.24E-09	6.09E-04	2.30E-07	5.82E-09	2.19E-06	1.12E-06
4261	494363.09, 3856377.25	0.0118916	4.50E-06	1.77E-06	6.10E-03	2.31E-06	9.06E-07	4.82E-04	1.82E-07	4.62E-09	5.19E-04	1.96E-07	4.97E-09	1.77E-06	9.06E-07
4262	494863.09, 3856377.25	0.0099796	3.77E-06	1.48E-06	5.14E-03	1.94E-06	7.63E-07	4.32E-04	1.63E-07	4.14E-09	4.57E-04	1.73E-07	4.37E-09	1.48E-06	7.63E-07
4263	495363.09, 3856377.25	0.0088752	3.36E-06	1.32E-06	4.58E-03	1.73E-06	6.80E-07	4.01E-04	1.52E-07	3.84E-09	4.19E-04	1.59E-07	4.01E-09	1.32E-06	6.80E-07
4264	495863.09, 3856377.25	0.0085334	3.23E-06	1.27E-06	4.41E-03	1.67E-06	6.55E-07	3.93E-04	1.49E-07	3.76E-09	4.11E-04	1.56E-07	3.93E-09	1.27E-06	6.55E-07
4265	496363.09, 3856377.25	0.0084538	3.20E-06	1.26E-06	4.37E-03	1.65E-06	6.49E-07	3.93E-04	1.49E-07	3.76E-09	4.11E-04	1.56E-07	3.93E-09	1.26E-06	6.49E-07
4266	496863.09, 3856377.25	0.0085974	3.25E-06	1.28E-06	4.44E-03	1.68E-06	6.60E-07	4.01E-04	1.52E-07	3.84E-09	4.21E-04	1.59E-07	4.03E-09	1.28E-06	6.60E-07
4267	497363.09, 3856377.25	0.0087272	3.30E-06	1.30E-06	4.51E-03	1.71E-06	6.70E-07	4.10E-04	1.55E-07	3.93E-09	4.31E-04	1.63E-07	4.12E-09	1.30E-06	6.71E-07
4268	497863.09, 3856377.25	0.0090573	3.42E-06	1.35E-06	4.68E-03	1.77E-06	6.95E-07	4.23E-04	1.60E-07	4.05E-09	4.47E-04	1.69E-07	4.28E-09	1.35E-06	6.96E-07
4269	498363.09, 3856377.25	0.0095629	3.62E-06	1.42E-06	4.94E-03	1.87E-06	7.34E-07	4.40E-04	1.66E-07	4.21E-09	4.68E-04	1.77E-07	4.48E-09	1.42E-06	7.34E-07
4270	471363.09, 3856877.25	0.0025106	9.49E-07	3.73E-07	1.35E-03	5.11E-07	2.01E-07	2.01E-04	7.58E-08	1.92E-09	2.12E-04	8.02E-08	2.03E-09	3.73E-07	2.01E-07
4271	471863.09, 3856877.25	0.0026248	9.92E-07	3.90E-07	1.41E-03	5.33E-07	2.09E-07	2.04E-04	7.70E-08	1.95E-09	2.17E-04	8.21E-08	2.08E-09	3.90E-07	2.09E-07
4272	472363.09, 3856877.25	0.0027569	1.04E-06	4.09E-07	1.48E-03	5.59E-07	2.19E-07	2.10E-04	7.94E-08	2.01E-09	2.24E-04	8.45E-08	2.14E-09	4.10E-07	2.20E-07
4273	472863.09, 3856877.25	0.0029027	1.10E-06	4.31E-07	1.55E-03	5.87E-07	2.31E-07	2.16E-04	8.17E-08	2.07E-09	2.30E-04	8.70E-08	2.20E-09	4.31E-07	2.31E-07
4274	473363.09, 3856877.25	0.0030844	1.17E-06	4.58E-07	1.65E-03	6.23E-07	2.45E-07	2.29E-04	8.65E-08	2.19E-09	2.43E-04	9.20E-08	2.33E-09	4.58E-07	2.45E-07
4275	473863.09, 3856877.25	0.0032597	1.23E-06	4.84E-07	1.74E-03	6.58E-07	2.58E-07	2.37E-04	8.94E-08	2.26E-09	2.51E-04	9.50E-08	2.40E-09	4.84E-07	2.58E-07
4276	474363.09, 3856877.25	0.0034108	1.29E-06	5.07E-07	1.81E-03	6.85E-07	2.69E-07	2.37E-04	8.94E-08	2.26E-09	2.53E-04	9.57E-08	2.42E-09	5.07E-07	2.69E-07
4277	474863.09, 3856877.25	0.0035536	1.34E-06	5.28E-07	1.88E-03	7.10E-07	2.79E-07	2.30E-04	8.71E-08	2.20E-09	2.48E-04	9.38E-08	2.37E-09	5.28E-07	2.79E-07
4278	475363.09, 3856877.25	0.0035945	1.36E-06	5.34E-07	1.89E-03	7.15E-07	2.81E-07	2.19E-04	8.29E-08	2.10E-09	2.37E-04	8.95E-08	2.26E-09	5.34E-07	2.81E-07
4279	475863.09, 3856877.25	0.0037618	1.42E-06	5.59E-07	1.97E-03	7.46E-07	2.93E-07	2.21E-04	8.35E-08	2.11E-09	2.37E-04	8.95E-08	2.26E-09	5.59E-07	2.93E-07
4280	476363.09, 3856877.25	0.0037391	1.41E-06	5.55E-07	1.96E-03	7.40E-07	2.91E-07	2.13E-04	8.05E-08	2.04E-09	2.27E-04	8.58E-08	2.17E-09	5.56E-07	2.91E-07
4281	476863.09, 3856877.25	0.0037974	1.44E-06	5.64E-07	1.99E-03	7.51E-07	2.95E-07	2.15E-04	8.11E-08	2.05E-09	2.27E-04	8.58E-08	2.17E-09	5.64E-07	2.95E-07
4282	477363.09, 3856877.25	0.0037559	1.42E-06	5.58E-07	1.97E-03	7.43E-07	2.92E-07	2.13E-04	8.05E-08	2.04E-09	2.24E-04	8.45E-08	2.14E-09	5.58E-07	2.92E-07
4283	477863.09, 3856877.25	0.003359	1.27E-06	4.99E-07	1.77E-03	6.67E-07	2.62E-07	2.02E-04	7.64E-08	1.93E-09	2.07E-04	7.84E-08	1.98E-09	4.99E-07	2.62E-07
4284	478363.09, 3856877.25	0.0034039	1.29E-06	5.06E-07	1.79E-03	6.76E-07	2.66E-07	2.04E-04	7.70E-08	1.95E-09	2.06E-04	7.78E-08	1.97E-09	5.06E-07	2.66E-07
4285	478863.09, 3856877.25	0.0038555	1.46E-06	5.73E-07	2.02E-03	7.64E-07	3.00E-07	2.22E-04	8.41E-08	2.13E-09	2.25E-04	8.52E-08	2.15E-09	5.73E-07	3.00E-07
4286	479363.09, 3856877.25	0.0045713	1.73E-06	6.79E-07	2.38E-03	9.01E-07	3.54E-07	2.44E-04	9.24E-08	2.34E-09	2.51E-04	9.50E-08	2.40E-09	6.79E-07	3.54E-07
4287	479863.09, 3856877.25	0.0073188	2.77E-06	1.09E-06	3.76E-03	1.42E-06	5.59E-07	3.13E-04	1.18E-07	3.00E-09	3.40E-04	1.28E-07	3.25E-09	1.09E-06	5.59E-07
4288	480363.09, 3856877.25	0.0088021	3.33E-06	1.31E-06	4.53E-03	1.71E-06	6.72E-07	3.74E-04	1.42E-07	3.58E-09	4.05E-04	1.53E-07	3.87E-09	1.31E-06	6.73E-07
4289	480863.09, 3856877.25	0.0098422	3.72E-06	1.46E-06	5.08E-03	1.92E-06	7.55E-07	4.51E-04	1.71E-07	4.32E-09	4.62E-04	1.75E-07	4.42E-09	1.46E-06	7.55E-07
4290	481363.09, 3856877.25	0.0108794	4.11E-06	1.62E-06	5.63E-03	2.13E-06	8.37E-07	5.25E-04	1.98E-07	5.02E-09	4.98E-04	1.88E-07	4.76E-09	1.62E-06	8.37E-07
4291	481863.09, 3856877.25	0.0123878	4.68E-06	1.84E-06	6.41E-03	2.42E-06	9.52E-07	5.84E-04	2.21E-07	5.59E-09	5.30E-04	2.01E-07	5.07E-09	1.84E-06	9.51E-07
4292	482363.09, 3856877.25	0.0142117	5.37E-06	2.11E-06	7.36E-03	2.78E-06	1.09E-06	6.88E-04	2.60E-07	6.58E-09	5.62E-04	2.12E-07	5.37E-09	2.11E-06	1.09E-06
4293	482863.09, 3856877.25	0.0181499	6.86E-06	2.70E-06	9.34E-03	3.53E-06	1.39E-06	7.79E-04	2.94E-07	7.45E-09	6.01E-04	2.27E-07	5.75E-09	2.69E-06	1.39E-06
4294	483363.09, 3856877.25	0.0289589	1.09E-05	4.30E-06	1.47E-02	5.55E-06	2.18E-06	9.01E-04	3.41E-07	8.62E-09	6.51E-04	2.46E-07	6.23E-09	4.30E-06	2.18E-06
4295	483863.09, 3856877.25	0.1245572	4.71E-05	1.85E-05	6.13E-02	2.32E-05	9.11E-06	1.09E-03	4.14E-07	1.05E-08	7.17E-04	2.71E-07	6.85E-09	1.85E-05	9.11E-06
4296	484363.09, 3856877.25	0.1565753	5.92E-05	2.33E-05	7.72E-02	2.92E-05	1.15E-05	1.49E-03	5.65E-07	1.43E-08	8.16E-04	3.09E-07	7.81E-09	2.32E-05	1.15E-05
4297	484863.09, 3856877.25	0.1734593	6.56E-05	2.58E-05	8.60E-02	3.25E-05	1.28E-05	2.41E-03	9.12E-07	2.31E-08	9.71E-04	3.67E-07	9.29E-09	2.58E-05	1.28E-05
4298	485363.09, 3856877.25	0.1919997	7.26E-05	2.85E-05	9.93E-02	3.75E-05	1.47E-05	9.02E-03	3.41E-06	8.63E-08	1.24E-03	4.68E-07	1.19E-08	2.84E-05	1.47E-05
4299	485863.09, 3856877.25	0.2036624	7.70E-05	3.03E-05	1.07E-01	4.04E-05	1.59E-05	1.18E-02	4.45E-06	1.13E-07	1.81E-03	6.84E-07	1.73E-08	3.02E-05	1.58E-05
4300	486363.09, 3856877.25	0.2038454	7.71E-05	3.03E-05	1.02E-01	3.85E-05	1.51E-05	3.86E-03	1.46E-06	3.70E-08	4.46E-03	1.69E-06	4.27E-08	3.03E-05	1.51E-05
4301	486863.09, 3856877.25	0.1889575	7.14E-05	2.81E-05	9.38E-02	3.55E-05	1.39E-05	2.79E-03	1.05E-06	2.67E-08	2.09E-02	7.91E-06	2.00E-07	2.82E-05	1.41E-05
4302	487363.09, 3856877.25	0.1314434	4.97E-05	1.95E-05	6.55E-02	2.48E-05	9.73E-06	2.32E-03	8.77E-07	2.22E-08	5.90E-03	2.23E-06	5.65E-08	1.96E-05	9.76E-06
4303	487863.09, 3856877.25	0.0989544	3.74E-05	1.47E-05	4.95E-02	1.87E-05	7.35E-06	2.02E-03	7.62E-07	1.93E-08	3.60E-03	1.36E-06	3.44E-08	1.47E-05	7.36E-06
4304	488363.09, 3856877.25	0.0610589	2.31E-05	9.07E-06	3.09E-02	1.17E-05	4.59E-06	1.82E-03	6.86E-07	1.74E-08	2.67E-03	1.01E-06	2.55E-08	9.08E-06	4.60E-06
4305	488863.09, 3856877.25	0.0489625	1.85E-05	7.27E-06	2.49E-02	9.41E-06	3.70E-06	1.64E-03	6.20E-07	1.57E-08	2.17E-03	8.22E-07	2.08E-08	7.28E-06	3.70E-06
4306	489363.09, 3856877.25	0.0419418	1.59E-05	6.23E-06	2.14E-02	8.08E-06	3.18E-06	1.50E-03	5.67E-07	1.44E-08	1.86E-03	7.05E-07	1.78E-08	6.23E-06	3.18E-06
4307	489863.09, 3856877.25	0.0372578	1.41E-05	5.53E-06	1.90E-02	7.19E-06	2.83E-06	1.37E-03	5.19E-07	1.31E-08	1.64E-03	6.21E-07	1.57E-08	5.54E-06	2.83E-06
4308	490363.09, 3856877.25	0.0340228	1.29E-05	5.05E-06	1.74E-02	6.57E-06	2.58E-06	1.25E-03	4.73E-07	1.20E-08	1.47E-03	5.55E-07	1.41E-08	5.06E-06	2.58E-06
4309	490863.09, 3856877.25	0.0314138	1.19E-05	4.67E-06	1.60E-02	6.06E-06	2.38E-06	1.15E-03	4.35E-07	1.10E-08	1.33E-03	5.02E-07	1.27E-08	4.67E-06	2.38E-06
4310	491363.09, 3856877.25	0.0292521	1.11E-05	4.34E-06	1.49E-02	5.64E-06	2.22E-06	1.07E-03	4.03E-07	1.02E-08	1.21E-03	4.59E-07	1.16E-08	4.35E-06	2.22E-06
4311	491863.09, 3856877.25	0.0283924	1.07E-05	4.22E-06	1.45E-02	5.47E-06	2.15E-06	9.84E-04	3.72E-07	9.41E-09	1.11E-03	4.22E-07	1.07E-08	4.22E-06	2.15E-06
4312	492363.09, 3856877.25	0.0261768	9.90E-06	3.89E-06	1.33E-02	5.02E-06	1.97E-06	8.35E-04	3.16E-07	7.99E-09	9.63E-04	3.64E-07	9.21E-09	3.89E-06	1.97E-06
4313	492863.09, 3856877.25	0.0229963	8.69E-06	3.42E-06	1.17E-02	4.41E-06	1.73E-06	7.32E-04	2.77E-07	7.00E-09	8.34E-04	3.15E-07	7.98E-09	3.42E-06	1.73E-06
4314	493363.09, 3856877.25	0.0189023	7.15E-06	2.81E-06	9.61E-03	3.63E-06	1.43E-06	6.36E-04	2.40E-07	6.08E-09	7.05E-04	2.67E-07	6.75E-09	2.81E-06	1.43E-06
4315	493863.09, 3856877.25	0.0142365	5.38E-06	2.11E-06	7.28E-03	2.75E-06	1.08E-06	5.45E-04	2.06E-07	5.21E-09	5.86E-04	2.22E-07	5.61E-09	2.11E-06	1.08E-06
4316	494363.09, 3856877.25	0.0113173	4.28E-06	1.68E-06	5.82E-03	2.20E-06	8.64E-07	4.81E-04	1.82E-07	4.60E-09	5.04E-04	1.91E-07	4.82E-09	1.68E-06	8.65E-07
4317	494863.09, 3856877.25	0.0101103	3.82E-06	1.50E-06	5.21E-03	1.97E-06	7.74E-07	4.50E-04	1.70E-07	4.30E-09	4.67E-04	1.77E-07	4.47E-09	1.50E-06	7.74E-07
4318	495363.09, 3856877.25	0.0094188	3.56E-06	1.40E-06	4.86E-03	1.84E-06	7.22E-07	4.31E-04	1.63E-07	4.12E-09	4.46E-04	1.68E-07	4.26E-09	1.40E-06	7.22E-07
4319	495863.09, 3856877.25	0.0091155	3.45E-06	1.35E-06	4.71E-03	1.78E-06	7.00E-07	4.25E-04	1.61E-07	4.06E-09	4.41E-04	1.67E-07	4.22E-09	1.35E-06	7.00E-07
4320	496363.09, 3856877.25	0.0089338	3.38E-06	1.33E-06	4.62E-03	1.75E-06	6.86E-07	4.21E-04	1.59E-07	4.03E-09	4.37E-04	1.65E-07	4.18E-09	1.33E-06	6.86E-07

4321	496863.09, 3856877.25	0.0089179	3.37E-06	1.32E-06	4.62E-03	1.75E-06	6.86E-07	4.26E-04	1.61E-07	4.08E-09	4.42E-04	1.67E-07	4.23E-09	1.32E-06	6.86E-07
4322	497363.09, 3856877.25	0.0090889	3.44E-06	1.35E-06	4.71E-03	1.78E-06	6.99E-07	4.35E-04	1.65E-07	4.17E-09	4.54E-04	1.72E-07	4.34E-09	1.35E-06	6.99E-07
4323	497863.09, 3856877.25	0.0097221	3.68E-06	1.44E-06	5.03E-03	1.90E-06	7.47E-07	4.56E-04	1.72E-07	4.36E-09	4.78E-04	1.81E-07	4.57E-09	1.44E-06	7.47E-07
4324	498363.09, 3856877.25	0.0104833	3.96E-06	1.56E-06	5.41E-03	2.05E-06	8.04E-07	4.79E-04	1.81E-07	4.59E-09	5.08E-04	1.92E-07	4.86E-09	1.56E-06	8.04E-07
4325	471363.09, 3857377.25	0.0025038	9.47E-07	3.72E-07	1.35E-03	5.09E-07	2.00E-07	1.96E-04	7.40E-08	1.87E-09	2.09E-04	7.90E-08	2.00E-09	3.72E-07	2.00E-07
4326	471863.09, 3857377.25	0.0026043	9.85E-07	3.87E-07	1.40E-03	5.28E-07	2.07E-07	1.99E-04	7.52E-08	1.90E-09	2.12E-04	8.02E-08	2.03E-09	3.87E-07	2.07E-07
4327	472363.09, 3857377.25	0.0027342	1.03E-06	4.06E-07	1.46E-03	5.53E-07	2.17E-07	2.04E-04	7.70E-08	1.95E-09	2.17E-04	8.21E-08	2.08E-09	4.06E-07	2.17E-07
4328	472863.09, 3857377.25	0.0028662	1.08E-06	4.26E-07	1.53E-03	5.79E-07	2.27E-07	2.10E-04	7.94E-08	2.01E-09	2.24E-04	8.45E-08	2.14E-09	4.26E-07	2.27E-07
4329	473363.09, 3857377.25	0.0030277	1.14E-06	4.50E-07	1.61E-03	6.10E-07	2.40E-07	2.18E-04	8.23E-08	2.08E-09	2.32E-04	8.76E-08	2.22E-09	4.50E-07	2.40E-07
4330	473863.09, 3857377.25	0.0032073	1.21E-06	4.76E-07	1.71E-03	6.46E-07	2.54E-07	2.29E-04	8.65E-08	2.19E-09	2.42E-04	9.13E-08	2.31E-09	4.77E-07	2.54E-07
4331	474363.09, 3857377.25	0.0033366	1.26E-06	4.96E-07	1.77E-03	6.68E-07	2.63E-07	2.22E-04	8.41E-08	2.13E-09	2.37E-04	8.95E-08	2.26E-09	4.96E-07	2.63E-07
4332	474863.09, 3857377.25	0.0033243	1.26E-06	4.94E-07	1.75E-03	6.61E-07	2.60E-07	2.02E-04	7.64E-08	1.93E-09	2.19E-04	8.27E-08	2.09E-09	4.94E-07	2.60E-07
4333	475363.09, 3857377.25	0.0030141	1.14E-06	4.48E-07	1.59E-03	5.99E-07	2.35E-07	1.83E-04	6.93E-08	1.75E-09	1.94E-04	7.34E-08	1.86E-09	4.48E-07	2.36E-07
4334	475863.09, 3857377.25	0.0030001	1.13E-06	4.46E-07	1.58E-03	5.96E-07	2.34E-07	1.82E-04	6.87E-08	1.74E-09	1.93E-04	7.28E-08	1.84E-09	4.46E-07	2.34E-07
4335	476363.09, 3857377.25	0.0035155	1.33E-06	5.22E-07	1.84E-03	6.96E-07	2.73E-07	1.99E-04	7.52E-08	1.90E-09	2.11E-04	7.96E-08	2.01E-09	5.22E-07	2.73E-07
4336	476863.09, 3857377.25	0.0037322	1.41E-06	5.54E-07	1.95E-03	7.37E-07	2.90E-07	2.07E-04	7.82E-08	1.98E-09	2.19E-04	8.27E-08	2.09E-09	5.54E-07	2.90E-07
4337	477363.09, 3857377.25	0.0036774	1.39E-06	5.46E-07	1.92E-03	7.27E-07	2.86E-07	2.05E-04	7.76E-08	1.96E-09	2.15E-04	8.15E-08	2.06E-09	5.46E-07	2.86E-07
4338	477863.09, 3857377.25	0.0033434	1.26E-06	4.97E-07	1.76E-03	6.64E-07	2.61E-07	1.99E-04	7.52E-08	1.90E-09	2.06E-04	7.78E-08	1.97E-09	4.97E-07	2.61E-07
4339	478363.09, 3857377.25	0.0031868	1.20E-06	4.73E-07	1.68E-03	6.34E-07	2.49E-07	1.94E-04	7.34E-08	1.86E-09	1.96E-04	7.41E-08	1.87E-09	4.73E-07	2.49E-07
4340	478863.09, 3857377.25	0.0031703	1.20E-06	4.71E-07	1.67E-03	6.30E-07	2.48E-07	1.91E-04	7.23E-08	1.83E-09	1.93E-04	7.28E-08	1.84E-09	4.71E-07	2.48E-07
4341	479363.09, 3857377.25	0.0038979	1.47E-06	5.79E-07	2.04E-03	7.71E-07	3.03E-07	2.21E-04	8.35E-08	2.11E-09	2.25E-04	8.52E-08	2.15E-09	5.79E-07	3.03E-07
4342	479863.09, 3857377.25	0.0066179	2.50E-06	9.83E-07	3.40E-03	1.29E-06	5.05E-07	2.82E-04	1.07E-07	2.70E-09	3.05E-04	1.15E-07	2.92E-09	9.83E-07	5.06E-07
4343	480363.09, 3857377.25	0.0063687	2.41E-06	9.46E-07	3.28E-03	1.24E-06	4.87E-07	2.77E-04	1.05E-07	2.65E-09	2.94E-04	1.11E-07	2.81E-09	9.46E-07	4.87E-07
4344	480863.09, 3857377.25	0.0091042	3.44E-06	1.35E-06	4.70E-03	1.78E-06	6.99E-07	4.23E-04	1.60E-07	4.05E-09	4.33E-04	1.64E-07	4.14E-09	1.35E-06	6.99E-07
4345	481363.09, 3857377.25	0.0102019	3.86E-06	1.52E-06	5.25E-03	1.99E-06	7.80E-07	4.42E-04	1.67E-07	4.23E-09	4.52E-04	1.71E-07	4.32E-09	1.52E-06	7.80E-07
4346	481863.09, 3857377.25	0.0111472	4.21E-06	1.66E-06	5.75E-03	2.17E-06	8.54E-07	5.06E-04	1.91E-07	4.84E-09	4.90E-04	1.85E-07	4.68E-09	1.66E-06	8.54E-07
4347	482363.09, 3857377.25	0.0119092	4.50E-06	1.77E-06	6.19E-03	2.34E-06	9.19E-07	6.06E-04	2.29E-07	5.80E-09	5.22E-04	1.97E-07	5.00E-09	1.77E-06	9.18E-07
4348	482863.09, 3857377.25	0.0136092	5.15E-06	2.02E-06	7.06E-03	2.67E-06	1.05E-06	6.74E-04	2.55E-07	6.44E-09	5.48E-04	2.07E-07	5.25E-09	2.02E-06	1.05E-06
4349	483363.09, 3857377.25	0.0160264	6.06E-06	2.38E-06	8.29E-03	3.13E-06	1.23E-06	7.52E-04	2.84E-07	7.19E-09	5.88E-04	2.22E-07	5.62E-09	2.38E-06	1.23E-06
4350	483863.09, 3857377.25	0.0193115	7.30E-06	2.87E-06	9.96E-03	3.77E-06	1.48E-06	8.71E-04	3.29E-07	8.33E-09	6.43E-04	2.43E-07	6.15E-09	2.87E-06	1.48E-06
4351	484363.09, 3857377.25	0.0249055	9.42E-06	3.70E-06	1.28E-02	4.84E-06	1.90E-06	1.05E-03	3.99E-07	1.01E-08	7.12E-04	2.69E-07	6.81E-09	3.70E-06	1.90E-06
4352	484863.09, 3857377.25	0.0337076	1.27E-05	5.01E-06	1.73E-02	6.54E-06	2.57E-06	1.39E-03	5.26E-07	1.33E-08	8.18E-04	3.09E-07	7.82E-09	5.00E-06	2.56E-06
4353	485363.09, 3857377.25	0.0592744	2.24E-05	8.80E-06	3.02E-02	1.14E-05	4.48E-06	2.07E-03	7.83E-07	1.98E-08	9.58E-04	3.62E-07	9.17E-09	8.79E-06	4.47E-06
4354	485863.09, 3857377.25	0.1535214	5.80E-05	2.28E-05	7.79E-02	2.95E-05	1.16E-05	4.91E-03	1.86E-06	4.70E-08	1.20E-03	4.52E-07	1.14E-08	2.28E-05	1.15E-05
4355	486363.09, 3857377.25	0.1967234	7.44E-05	2.92E-05	1.07E-01	4.06E-05	1.59E-05	1.78E-02	6.73E-06	1.70E-07	1.78E-03	6.73E-07	1.70E-08	2.91E-05	1.58E-05
4356	486863.09, 3857377.25	0.1954893	7.39E-05	2.90E-05	9.83E-02	3.72E-05	1.46E-05	4.90E-03	1.85E-06	4.69E-08	4.09E-03	1.55E-06	3.91E-08	2.90E-05	1.46E-05
4357	487363.09, 3857377.25	0.1915833	7.24E-05	2.85E-05	9.55E-02	3.61E-05	1.42E-05	3.48E-03	1.32E-06	3.33E-08	2.48E-02	9.40E-06	2.38E-07	2.87E-05	1.44E-05
4358	487863.09, 3857377.25	0.1374175	5.20E-05	2.04E-05	6.87E-02	2.60E-05	1.02E-05	2.83E-03	1.07E-06	2.71E-08	6.11E-03	2.31E-06	5.84E-08	2.04E-05	1.02E-05
4359	488363.09, 3857377.25	0.0836378	3.16E-05	1.24E-05	4.23E-02	1.60E-05	6.28E-06	2.39E-03	9.03E-07	2.29E-08	3.66E-03	1.39E-06	3.51E-08	1.24E-05	6.29E-06
4360	488863.09, 3857377.25	0.0580788	2.20E-05	8.63E-06	2.96E-02	1.12E-05	4.40E-06	2.09E-03	7.88E-07	1.99E-08	2.71E-03	1.02E-06	2.59E-08	8.63E-06	4.40E-06
4361	489363.09, 3857377.25	0.0476298	1.80E-05	7.07E-06	2.44E-02	9.22E-06	3.62E-06	1.85E-03	6.98E-07	1.77E-08	2.20E-03	8.31E-07	2.10E-08	7.08E-06	3.62E-06
4362	489863.09, 3857377.25	0.0417061	1.58E-05	6.19E-06	2.14E-02	8.08E-06	3.17E-06	1.64E-03	6.20E-07	1.57E-08	1.87E-03	7.07E-07	1.79E-08	6.20E-06	3.17E-06
4363	490363.09, 3857377.25	0.0377597	1.43E-05	5.61E-06	1.93E-02	7.31E-06	2.87E-06	1.48E-03	5.58E-07	1.41E-08	1.64E-03	6.21E-07	1.57E-08	5.61E-06	2.87E-06
4364	490863.09, 3857377.25	0.0345712	1.31E-05	5.13E-06	1.77E-02	6.69E-06	2.63E-06	1.34E-03	5.07E-07	1.28E-08	1.47E-03	5.55E-07	1.40E-08	5.14E-06	2.63E-06
4365	491363.09, 3857377.25	0.0320988	1.21E-05	4.77E-06	1.64E-02	6.21E-06	2.44E-06	1.23E-03	4.65E-07	1.18E-08	1.33E-03	5.02E-07	1.27E-08	4.77E-06	2.44E-06
4366	491863.09, 3857377.25	0.0301815	1.14E-05	4.48E-06	1.54E-02	5.82E-06	2.29E-06	1.09E-03	4.13E-07	1.04E-08	1.19E-03	4.48E-07	1.13E-08	4.48E-06	2.29E-06
4367	492363.09, 3857377.25	0.0272176	1.03E-05	4.04E-06	1.38E-02	5.22E-06	2.05E-06	8.68E-04	3.28E-07	8.30E-09	9.63E-04	3.64E-07	9.21E-09	4.04E-06	2.05E-06
4368	492863.09, 3857377.25	0.0222378	8.41E-06	3.30E-06	1.13E-02	4.27E-06	1.68E-06	7.17E-04	2.71E-07	6.86E-09	7.79E-04	2.94E-07	7.45E-09	3.30E-06	1.68E-06
4369	493363.09, 3857377.25	0.0165409	6.25E-06	2.46E-06	8.45E-03	3.19E-06	1.25E-06	6.13E-04	2.32E-07	5.86E-09	6.45E-04	2.44E-07	6.17E-09	2.46E-06	1.25E-06
4370	493863.09, 3857377.25	0.0141808	5.36E-06	2.11E-06	7.27E-03	2.75E-06	1.08E-06	5.67E-04	2.14E-07	5.42E-09	5.89E-04	2.23E-07	5.64E-09	2.11E-06	1.08E-06
4371	494363.09, 3857377.25	0.0121532	4.59E-06	1.81E-06	6.25E-03	2.36E-06	9.29E-07	5.23E-04	1.98E-07	5.00E-09	5.39E-04	2.04E-07	5.15E-09	1.81E-06	9.29E-07
4372	494863.09, 3857377.25	0.0111056	4.20E-06	1.65E-06	5.73E-03	2.17E-06	8.51E-07	5.00E-04	1.89E-07	4.78E-09	5.14E-04	1.94E-07	4.92E-09	1.65E-06	8.51E-07
4373	495363.09, 3857377.25	0.0103319	3.91E-06	1.53E-06	5.34E-03	2.02E-06	7.93E-07	4.81E-04	1.82E-07	4.60E-09	4.93E-04	1.86E-07	4.72E-09	1.53E-06	7.93E-07
4374	495863.09, 3857377.25	0.0099795	3.77E-06	1.48E-06	5.16E-03	1.95E-06	7.67E-07	4.73E-04	1.79E-07	4.53E-09	4.86E-04	1.84E-07	4.65E-09	1.48E-06	7.67E-07
4375	496363.09, 3857377.25	0.0097457	3.68E-06	1.45E-06	5.05E-03	1.91E-06	7.50E-07	4.68E-04	1.77E-07	4.48E-09	4.83E-04	1.83E-07	4.62E-09	1.45E-06	7.50E-07
4376	496863.09, 3857377.25	0.0096141	3.63E-06	1.43E-06	4.98E-03	1.88E-06	7.40E-07	4.67E-04	1.76E-07	4.47E-09	4.83E-04	1.83E-07	4.62E-09	1.43E-06	7.40E-07
4377	497363.09, 3857377.25	0.0098251	3.71E-06	1.46E-06	5.09E-03	1.92E-06	7.56E-07	4.73E-04	1.79E-07	4.53E-09	4.91E-04	1.86E-07	4.70E-09	1.46E-06	7.56E-07
4378	497863.09, 3857377.25	0.0102764	3.89E-06	1.53E-06	5.32E-03	2.01E-06	7.90E-07	4.87E-04	1.84E-07	4.66E-09	5.09E-04	1.93E-07	4.87E-09	1.53E-06	7.90E-07
4379	498363.09, 3857377.25	0.0115493	4.37E-06	1.72E-06	5.96E-03	2.25E-06	8.86E-07	5.29E-04	2.00E-07	5.06E-09	5.60E-04	2.12E-07	5.36E-09	1.72E-06	8.86E-07
4380	471363.09, 3857877.25	0.0024953	9.43E-07	3.71E-07	1.34E-03	5.05E-07	1.99E-07	1.90E-04	7.17E-08	1.81E-09	2.01E-04	7.59E-08	1.92E-09	3.71E-07	1.99E-07
4381	471863.09, 3857877.25	0.0025958	9.81E-07	3.86E-07	1.39E-03	5.25E-07	2.06E-07	1.93E-04	7.28E-08	1.84E-09	2.04E-04	7.71E-08	1.95E-09	3.86E-07	2.06E-07
4382	472363.09, 3857877.25	0.0027123	1.03E-06	4.03E-07	1.45E-03	5.47E-07	2.15E-07	1.97E-04	7.46E-08	1.89E-09	2.09E-04	7.90E-08	2.00E-09	4.03E-07	2.15E-07
4383	472863.09, 3857877.25	0.0028467	1.08E-06	4.23E-07	1.52E-03	5.74E-07	2.25E-07	2.05E-04	7.76E-08	1.96E-09	2.17E-04	8.21E-08	2.08E-09	4.23E-07	2.26E-07
4384	473363.09, 3857877.25	0.0029905	1.13E-06	4.44E-07	1.59E-03	6.02E-07	2.36E-07	2.10E-04	7.94E-08	2.01E-09	2.24E-04	8.45E-08	2.14E-09	4.44E-07	2.36E-07
4385	473863.09, 3857877.25	0.0031547	1.19E-06	4.69E-07	1.68E-03	6.34E-07	2.49E-07	2.19E-04	8.29E-08	2.10E-09	2.32E-04	8.76E-08	2.22E-09	4.69E-07	2.49E-07
4386	474363.09, 3857877.25	0.003266	1.23E-06	4.85E-07	1.73E-03	6.52E-07	2.56E-07	2.10E-04	7.94E-08	2.01E-09	2.25E-04	8.52E-08	2.15E-09	4.85E-07	2.56E-07
4387	474863.09, 3857877.25	0.003171	1.20E-06	4.71E-07	1.67E-03	6.30E-07	2.47E-07	1.90E-04	7.17E-08	1.81E-09	2.04E-04	7.71E-08	1.95E-09	4.71E-07	2.48E-07
4388	475363.09, 3857877.25	0.0025745	9.73E-07	3.82E-07	1.36E-03	5.13E-07	2.02E-07	1.61E-04	6.10E-08	1.54E-09	1.70E-04	6.42E-08	1.62E-09	3.82E-07	2.02E-07
4389	475863.09, 3857877.25	0.0020201	7.64E-07	3.00E-07	1.07E-03	4.05E-07	1.59E-07	1.36E-04	5.15E-08	1.30E-09	1.40E-04	5.31E-08	1.34E-09	3.00E-07	1.59E-07
4390	476363.09, 3857877.25	0.0029035	1.10E-06	4.31E-07	1.52E-03	5.76E-07	2.26E-07	1.71E-04	6.46E-08	1.63E-09	1.80E-04	6.79E-08	1.72E-09	4.31E-07	2.26E-07
4391	476863.09, 3857877.25	0.0033335	1.26E-06	4.95E-07	1.74E-03	6.59E-07	2.59E-07	1.85E-04	6.99E-08	1.77E-09	1.96E-04	7.41E-08	1.87E-09	4.95E-07	2.59E-07
4392	477363.09, 3857877.25	0.0034364	1.30E-06	5.10E-07	1.80E-03	6.79E-07	2.67E-07	1.90E-04	7.17E-08	1.81E-09	1.99E-04	7.53E-08	1.90E-09	5.11E-07	2.67E-07
4393	477863.09, 3857877.25	0.0034689	1.31E-06	5.15E-07	1.81E-03	6.85E-07	2.69E-07	1.93E-04	7.28E-08	1.84E-09	2.02E-04	7.65E-08	1.94E-09	5.15E-07	2.69E-07
4394	478363.09, 3857877.25	0.0028322	1.07E-06	4.21E-07	1.49E-03	5.64E-07	2.22E-07	1.77E-04	6.69E-08	1.69E-09	1.80E-04	6.79E-08	1.72E-09	4.21E-07	2.22E-07
4395	478863.09, 3857877.25	0.0028	1.06E-06	4.16E-07	1.48E-03	5.58E-07	2.19E-07	1.74E-04	6.57E-08	1.66E-09	1.76E-04	6.67E-08	1.69E-09	4.16E-07	2.19E-07
4396	479363.09, 3857877.25	0.0057788	2.18E-06	8.58E-07	2.98E-03	1.13E-06	4.43E-07	2.58E-04	9.77E-08	2.47E-09	2.82E-04	1.07E-07	2.70E-09	8.59E-07	4.43E-07
4397	479863.09, 3857877.25	0.0070195	2.65E-06	1.04E-06	3.63E-03	1.37E-06	5.39E-07	3.27E-04	1.24E-07	3.13E-09	3.53E-04	1.33E-07	3.37E-09	1.04E-06	5.39E-07
4398	480363.09, 3857877.25	0.0075268	2.85E-06	1.12E-06	3.90E-03	1.48E-06	5.80E-07	3.73E-04	1.41E-07	3.57E-09	3.84E-04	1.45E-07	3.67E-09	1.12E-06	5.80E-07
4399	480863.09, 3857877.25	0.0082055	3.10E-06	1.22E-06	4.25E-03	1.61E-06	6.31E-07	3.93E-04	1.49E-07	3.76E-09	4.03E-04	1.52E-07	3.86E-09	1.22E-06	6.31E-07
4400	481363.09, 3857877.25	0.0089707	3.39E-06	1.33E-06	4.63E-03	1.75E-06	6.88E-07	4.15E-04	1.57E-07	3.97E-09	4.23E-04	1.60E-07	4.04E-09	1.33E-06	6.88E-07
4401	481863.09, 3857877.25	0.0096791	3.66E-06	1.44E-06	5.00E-03	1.89E-06	7.43E-07	4.53E-04	1.71E-07	4.33E-09	4.51E-04	1.70E-07	4.31E-09	1.44E-06	7.43E-07
4402	482363.09, 3857877.25	0.0102204	3.86E-06	1.52E-06	5.31E-03	2.01E-06	7.89E-07	5.26E-04	1.99E-07	5.03E-09	4.86E-04	1.84E-07	4.65E-09	1.52E-06	7.89E-07
4403	482863.09, 3857877.25	0.0107611	4.07E-06	1.60E-06	5.62E-03	2.12E-06	8.35E-07	5.92E-04	2.24E-07	5.66E-09	5.08E-04	1.92E-07	4.86E-09	1.60E-06	8.34E-07
4404	483363.09, 3857877.25	0.0117351	4.44E-06	1.74E-06	6.13E-03	2.32E-06	9.10E-07	6.47E-04	2.45E-07	6.19E-09	5.39E-04	2.04E-07	5.15E-09	1.74E-06	9.09E-07
4405	483863.09, 3857877.25	0.0129105	4.88E-06	1.92E-06	6.75E-03	2.55E-06	1.00E-06	7.25E-04	2.74E-07	6.94E-09	5.83E-04	2.20E-07	5.57E-09	1.92E-06	1.00E-06
4406	484363.09, 3857877.25	0.015243	5.76E-06	2.26E-06	7.95E-03	3.01E-06	1.18E-06	8.27E-04	3.13E-07	7.91E-09	6.35E-04	2.40E-07	6.07E-09	2.26E-06	1.18E-06
4407	484863.09, 3857877.25	0.0190162	7.19E-06	2.82E-06	9.91E-03	3.75E-06	1.47E-06	1.01E-03	3.80E-07	9.62E-09	7.13E-04	2.70E-07	6.82E-09	2.82E-06	1.47E-06
4408	485363.09, 3857877.25	0.0255075	9.64E-06	3.79E-06	1.32E-02	5.01E-06	1.97E-06	1.28E-03	4.85E-07	1.23E-08	8.16E-04	3.09E-07	7.81E-09	3.78E-06	1.96E-06
4409	485863.09, 3857877.25	0.0587399	2.22E-05	8.72E-06	2.97E-02	1.12E-05	4.42E-06	1.79E-03	6.78E-07	1.72E-08	9.58E-04	3.62E-07	9.17E-09	8.72E-06	4.41E-06
4410	486363.09, 3857877.25	0.1498743	5.67E-05	2.23E-05	7.51E-02	2.84E-05	1.12E-05	3.29E-03	1.24E-06	3.15E-08	1.19E-03	4.52E-07	1.14E-08	2.22E-05	1.11E-05
4411	486863.09, 3857877.25	0.2036921	7.70E-05	3.03E-05	1.16E-01	4.40E-05	1.73E-05	2.66E-02	1.01E-05	2.55E-07	1.72E-03	6.49E-07	1.64E-08	3.00E-05	1.70E-05
4412	487363.09, 3857877.25	0.1963271	7.42E-05	2.92E-05	1.03E-01	3.88E-05	1.52E-05	1.09E-02	4.11E-06	1.04E-07	3.72E-03	1.41E-06	3.56E-08	2.91E-05	1.52E-05
4413	487863.09, 3857877.25	0.1894995	7.16E-05	2.81E-05	9.57E-02	3.62E-05	1.42E-05	5.29E-03	2.00E-06	5.06E-08	2.96E-02	1.12E-05	2.83E-07	2.84E-05	1.44E-05
4414	488363.09, 3857877.25	0.0987876	3.73E-05	1.47E-05	5.05E-02	1.91E-05	7.50E-06	3.74E-03	1.42E-06	3.58E-08	6.37E-03	2.41E-06	6.10E-08	1.47E-05	7.53E-06

4415	488863.09, 3857877.25	0.0704221	2.66E-05	1.05E-05	3.62E-02	1.37E-05	5.37E-06	2.95E-03	1.12E-06	2.83E-08	3.79E-03	1.43E-06	3.63E-08	1.05E-05	5.38E-06
4416	489363.09, 3857877.25	0.069478	2.63E-05	1.03E-05	3.54E-02	1.34E-05	5.26E-06	2.42E-03	9.15E-07	2.32E-08	2.78E-03	1.05E-06	2.66E-08	1.03E-05	5.26E-06
4417	489863.09, 3857877.25	0.0684572	2.59E-05	1.02E-05	3.46E-02	1.31E-05	5.15E-06	2.05E-03	7.75E-07	1.96E-08	2.22E-03	8.41E-07	2.13E-08	1.02E-05	5.15E-06
4418	490363.09, 3857877.25	0.0481112	1.82E-05	7.15E-06	2.46E-02	9.29E-06	3.65E-06	1.81E-03	6.83E-07	1.73E-08	1.89E-03	7.15E-07	1.81E-08	7.15E-06	3.65E-06
4419	490863.09, 3857877.25	0.0387204	1.46E-05	5.75E-06	1.99E-02	7.52E-06	2.95E-06	1.62E-03	6.11E-07	1.54E-08	1.66E-03	6.29E-07	1.59E-08	5.75E-06	2.95E-06
4420	491363.09, 3857877.25	0.0364532	1.38E-05	5.41E-06	1.86E-02	7.05E-06	2.77E-06	1.39E-03	5.25E-07	1.33E-08	1.44E-03	5.44E-07	1.38E-08	5.41E-06	2.77E-06
4421	491863.09, 3857877.25	0.0319486	1.21E-05	4.75E-06	1.63E-02	6.17E-06	2.42E-06	1.17E-03	4.42E-07	1.12E-08	1.23E-03	4.64E-07	1.17E-08	4.75E-06	2.42E-06
4422	492363.09, 3857877.25	0.0275735	1.04E-05	4.10E-06	1.40E-02	5.30E-06	2.08E-06	9.15E-04	3.46E-07	8.75E-09	9.68E-04	3.66E-07	9.26E-09	4.10E-06	2.08E-06
4423	492863.09, 3857877.25	0.0208617	7.89E-06	3.10E-06	1.06E-02	4.02E-06	1.58E-06	7.49E-04	2.83E-07	7.16E-09	7.77E-04	2.94E-07	7.43E-09	3.10E-06	1.58E-06
4424	493363.09, 3857877.25	0.0174295	6.59E-06	2.59E-06	8.92E-03	3.37E-06	1.32E-06	6.74E-04	2.55E-07	6.44E-09	6.95E-04	2.63E-07	6.65E-09	2.59E-06	1.32E-06
4425	493863.09, 3857877.25	0.0155931	5.90E-06	2.32E-06	8.00E-03	3.02E-06	1.19E-06	6.31E-04	2.39E-07	6.04E-09	6.50E-04	2.46E-07	6.21E-09	2.32E-06	1.19E-06
4426	494363.09, 3857877.25	0.0142628	5.39E-06	2.12E-06	7.33E-03	2.77E-06	1.09E-06	6.02E-04	2.27E-07	5.75E-09	6.19E-04	2.34E-07	5.92E-09	2.12E-06	1.09E-06
4427	494863.09, 3857877.25	0.0124695	4.71E-06	1.85E-06	6.43E-03	2.43E-06	9.55E-07	5.62E-04	2.13E-07	5.38E-09	5.75E-04	2.17E-07	5.50E-09	1.85E-06	9.56E-07
4428	495363.09, 3857877.25	0.0117045	4.43E-06	1.74E-06	6.05E-03	2.29E-06	8.98E-07	5.44E-04	2.06E-07	5.20E-09	5.57E-04	2.10E-07	5.32E-09	1.74E-06	8.98E-07
4429	495863.09, 3857877.25	0.0110481	4.18E-06	1.64E-06	5.72E-03	2.16E-06	8.49E-07	5.28E-04	2.00E-07	5.05E-09	5.40E-04	2.04E-07	5.17E-09	1.64E-06	8.49E-07
4430	496363.09, 3857877.25	0.0109289	4.13E-06	1.62E-06	5.66E-03	2.14E-06	8.40E-07	5.23E-04	1.98E-07	5.00E-09	5.39E-04	2.04E-07	5.15E-09	1.62E-06	8.40E-07
4431	496863.09, 3857877.25	0.011195	4.23E-06	1.66E-06	5.79E-03	2.19E-06	8.59E-07	5.22E-04	1.97E-07	4.99E-09	5.39E-04	2.04E-07	5.15E-09	1.66E-06	8.60E-07
4432	497363.09, 3857877.25	0.0113356	4.29E-06	1.68E-06	5.85E-03	2.21E-06	8.69E-07	5.15E-04	1.95E-07	4.93E-09	5.35E-04	2.02E-07	5.12E-09	1.68E-06	8.69E-07
4433	497863.09, 3857877.25	0.0114298	4.32E-06	1.70E-06	5.91E-03	2.24E-06	8.78E-07	5.42E-04	2.05E-07	5.18E-09	5.68E-04	2.15E-07	5.43E-09	1.70E-06	8.79E-07
4434	498363.09, 3857877.25	0.012024	4.55E-06	1.79E-06	6.22E-03	2.35E-06	9.24E-07	5.67E-04	2.14E-07	5.42E-09	5.99E-04	2.26E-07	5.73E-09	1.79E-06	9.24E-07
4435	471363.09, 3858377.25	0.0024802	9.38E-07	3.68E-07	1.33E-03	5.02E-07	1.97E-07	1.86E-04	7.05E-08	1.78E-09	1.98E-04	7.47E-08	1.89E-09	3.68E-07	1.97E-07
4436	471863.09, 3858377.25	0.0025675	9.71E-07	3.81E-07	1.37E-03	5.19E-07	2.04E-07	1.90E-04	7.17E-08	1.81E-09	2.01E-04	7.59E-08	1.92E-09	3.81E-07	2.04E-07
4437	472363.09, 3858377.25	0.0026822	1.01E-06	3.98E-07	1.43E-03	5.41E-07	2.12E-07	1.93E-04	7.28E-08	1.84E-09	2.04E-04	7.71E-08	1.95E-09	3.98E-07	2.12E-07
4438	472863.09, 3858377.25	0.0027992	1.06E-06	4.16E-07	1.49E-03	5.63E-07	2.21E-07	1.97E-04	7.46E-08	1.89E-09	2.09E-04	7.90E-08	2.00E-09	4.16E-07	2.21E-07
4439	473363.09, 3858377.25	0.0029658	1.12E-06	4.41E-07	1.58E-03	5.97E-07	2.34E-07	2.08E-04	7.88E-08	1.99E-09	2.19E-04	8.27E-08	2.09E-09	4.41E-07	2.34E-07
4440	473863.09, 3858377.25	0.00309	1.17E-06	4.59E-07	1.64E-03	6.20E-07	2.43E-07	2.08E-04	7.88E-08	1.99E-09	2.20E-04	8.33E-08	2.11E-09	4.59E-07	2.43E-07
4441	474363.09, 3858377.25	0.0031554	1.19E-06	4.69E-07	1.66E-03	6.28E-07	2.47E-07	1.96E-04	7.40E-08	1.87E-09	2.11E-04	7.96E-08	2.01E-09	4.69E-07	2.47E-07
4442	474863.09, 3858377.25	0.0031235	1.18E-06	4.64E-07	1.64E-03	6.20E-07	2.43E-07	1.83E-04	6.93E-08	1.75E-09	1.98E-04	7.47E-08	1.89E-09	4.64E-07	2.44E-07
4443	475363.09, 3858377.25	0.0027797	1.05E-06	4.13E-07	1.46E-03	5.51E-07	2.17E-07	1.63E-04	6.16E-08	1.56E-09	1.73E-04	6.54E-08	1.66E-09	4.13E-07	2.17E-07
4444	475863.09, 3858377.25	0.0024639	9.32E-07	3.66E-07	1.30E-03	4.91E-07	1.93E-07	1.52E-04	5.75E-08	1.45E-09	1.60E-04	6.05E-08	1.53E-09	3.66E-07	1.93E-07
4445	476363.09, 3858377.25	0.0026348	9.96E-07	3.91E-07	1.38E-03	5.23E-07	2.06E-07	1.57E-04	5.92E-08	1.50E-09	1.65E-04	6.23E-08	1.58E-09	3.91E-07	2.06E-07
4446	476863.09, 3858377.25	0.0028218	1.07E-06	4.19E-07	1.48E-03	5.59E-07	2.20E-07	1.63E-04	6.16E-08	1.56E-09	1.71E-04	6.48E-08	1.64E-09	4.19E-07	2.20E-07
4447	477363.09, 3858377.25	0.0028536	1.08E-06	4.24E-07	1.50E-03	5.66E-07	2.22E-07	1.66E-04	6.28E-08	1.59E-09	1.73E-04	6.54E-08	1.66E-09	4.24E-07	2.22E-07
4448	477863.09, 3858377.25	0.0033962	1.28E-06	5.04E-07	1.77E-03	6.69E-07	2.63E-07	1.82E-04	6.87E-08	1.74E-09	1.91E-04	7.22E-08	1.83E-09	5.05E-07	2.63E-07
4449	478363.09, 3858377.25	0.0036423	1.38E-06	5.41E-07	1.90E-03	7.17E-07	2.82E-07	1.91E-04	7.23E-08	1.83E-09	2.01E-04	7.59E-08	1.92E-09	5.41E-07	2.82E-07
4450	478863.09, 3858377.25	0.0030949	1.17E-06	4.60E-07	1.62E-03	6.14E-07	2.41E-07	1.82E-04	6.87E-08	1.74E-09	1.88E-04	7.10E-08	1.80E-09	4.60E-07	2.41E-07
4451	479363.09, 3858377.25	0.0054647	2.07E-06	8.12E-07	2.82E-03	1.07E-06	4.19E-07	2.44E-04	9.24E-08	2.34E-09	2.69E-04	1.02E-07	2.58E-09	8.12E-07	4.19E-07
4452	479863.09, 3858377.25	0.0063534	2.40E-06	9.44E-07	3.30E-03	1.25E-06	4.90E-07	3.18E-04	1.20E-07	3.04E-09	3.35E-04	1.27E-07	3.20E-09	9.44E-07	4.90E-07
4453	480363.09, 3858377.25	0.0067495	2.55E-06	1.00E-06	3.52E-03	1.33E-06	5.23E-07	3.60E-04	1.36E-07	3.45E-09	3.66E-04	1.38E-07	3.50E-09	1.00E-06	5.23E-07
4454	480863.09, 3858377.25	0.0072911	2.76E-06	1.08E-06	3.79E-03	1.43E-06	5.63E-07	3.79E-04	1.43E-07	3.63E-09	3.85E-04	1.46E-07	3.68E-09	1.08E-06	5.64E-07
4455	481363.09, 3858377.25	0.0078286	2.96E-06	1.16E-06	4.07E-03	1.54E-06	6.05E-07	4.04E-04	1.53E-07	3.87E-09	4.06E-04	1.54E-07	3.89E-09	1.16E-06	6.05E-07
4456	481863.09, 3858377.25	0.008412	3.18E-06	1.25E-06	4.37E-03	1.65E-06	6.49E-07	4.21E-04	1.59E-07	4.03E-09	4.24E-04	1.60E-07	4.06E-09	1.25E-06	6.49E-07
4457	482363.09, 3858377.25	0.0090072	3.41E-06	1.34E-06	4.68E-03	1.77E-06	6.95E-07	4.57E-04	1.73E-07	4.38E-09	4.51E-04	1.70E-07	4.31E-09	1.34E-06	6.95E-07
4458	482863.09, 3858377.25	0.0093642	3.54E-06	1.39E-06	4.89E-03	1.85E-06	7.27E-07	5.19E-04	1.96E-07	4.96E-09	4.78E-04	1.81E-07	4.57E-09	1.39E-06	7.26E-07
4459	483363.09, 3858377.25	0.0097097	3.67E-06	1.44E-06	5.10E-03	1.93E-06	7.57E-07	5.75E-04	2.17E-07	5.50E-09	5.01E-04	1.89E-07	4.79E-09	1.44E-06	7.56E-07
4460	483863.09, 3858377.25	0.0105058	3.97E-06	1.56E-06	5.52E-03	2.09E-06	8.19E-07	6.25E-04	2.36E-07	5.98E-09	5.29E-04	2.00E-07	5.06E-09	1.56E-06	8.19E-07
4461	484363.09, 3858377.25	0.0119766	4.53E-06	1.78E-06	6.28E-03	2.37E-06	9.32E-07	6.92E-04	2.62E-07	6.62E-09	5.73E-04	2.17E-07	5.48E-09	1.78E-06	9.31E-07
4462	484863.09, 3858377.25	0.0146739	5.55E-06	2.18E-06	7.66E-03	2.89E-06	1.14E-06	7.94E-04	3.00E-07	7.60E-09	6.33E-04	2.39E-07	6.06E-09	2.18E-06	1.14E-06
4463	485363.09, 3858377.25	0.0187369	7.08E-06	2.78E-06	9.73E-03	3.68E-06	1.45E-06	9.45E-04	3.57E-07	9.04E-09	7.13E-04	2.70E-07	6.82E-09	2.78E-06	1.44E-06
4464	485863.09, 3858377.25	0.0263879	9.98E-06	3.92E-06	1.36E-02	5.14E-06	2.02E-06	1.15E-03	4.37E-07	1.10E-08	8.16E-04	3.09E-07	7.81E-09	3.92E-06	2.02E-06
4465	486363.09, 3858377.25	0.0668663	2.53E-05	9.93E-06	3.35E-02	1.27E-05	4.98E-06	1.49E-03	5.63E-07	1.42E-08	9.63E-04	3.64E-07	9.21E-09	9.93E-06	4.97E-06
4466	486863.09, 3858377.25	0.1552582	5.87E-05	2.31E-05	7.70E-02	2.91E-05	1.14E-05	2.15E-03	8.11E-07	2.05E-08	1.20E-03	4.55E-07	1.15E-08	2.31E-05	1.14E-05
4467	487363.09, 3858377.25	0.1794485	6.78E-05	2.67E-05	9.01E-02	3.41E-05	1.34E-05	4.25E-03	1.61E-06	4.06E-08	1.72E-03	6.49E-07	1.64E-08	2.66E-05	1.34E-05
4468	487863.09, 3858377.25	0.27388	1.04E-04	4.07E-05	1.80E-01	6.80E-05	2.67E-05	7.22E-02	2.73E-05	6.91E-07	3.56E-03	1.35E-06	3.41E-08	4.00E-05	2.61E-05
4469	488363.09, 3858377.25	0.1946368	7.36E-05	2.89E-05	1.01E-01	3.82E-05	1.50E-05	9.91E-03	3.75E-06	9.48E-08	3.87E-02	1.46E-05	3.70E-07	2.92E-05	1.53E-05
4470	488863.09, 3858377.25	0.1027311	3.88E-05	1.53E-05	5.34E-02	2.02E-05	7.94E-06	5.31E-03	2.01E-06	5.08E-08	6.88E-03	2.60E-06	6.58E-08	1.53E-05	7.95E-06
4471	489363.09, 3858377.25	0.0690993	2.61E-05	1.03E-05	3.60E-02	1.36E-05	5.35E-06	3.68E-03	1.39E-06	3.52E-08	3.98E-03	1.50E-06	3.81E-08	1.03E-05	5.35E-06
4472	489863.09, 3858377.25	0.0544837	2.06E-05	8.09E-06	2.84E-02	1.07E-05	4.21E-06	2.86E-03	1.08E-06	2.73E-08	2.92E-03	1.10E-06	2.79E-08	8.09E-06	4.21E-06
4473	490363.09, 3858377.25	0.0457972	1.73E-05	6.80E-06	2.38E-02	9.00E-06	3.54E-06	2.35E-03	8.90E-07	2.25E-08	2.35E-03	8.89E-07	2.25E-08	6.80E-06	3.54E-06
4474	490863.09, 3858377.25	0.0396847	1.50E-05	5.89E-06	2.06E-02	7.79E-06	3.06E-06	2.01E-03	7.59E-07	1.92E-08	1.99E-03	7.53E-07	1.90E-08	5.89E-06	3.06E-06
4475	491363.09, 3858377.25	0.0354554	1.34E-05	5.27E-06	1.83E-02	6.93E-06	2.72E-06	1.64E-03	6.21E-07	1.57E-08	1.64E-03	6.19E-07	1.57E-08	5.27E-06	2.72E-06
4476	491863.09, 3858377.25	0.0324945	1.23E-05	4.83E-06	1.66E-02	6.28E-06	2.47E-06	1.24E-03	4.68E-07	1.19E-08	1.26E-03	4.76E-07	1.20E-08	4.83E-06	2.47E-06
4477	492363.09, 3858377.25	0.0254959	9.64E-06	3.79E-06	1.30E-02	4.93E-06	1.94E-06	9.59E-04	3.62E-07	9.17E-09	9.76E-04	3.69E-07	9.34E-09	3.79E-06	1.94E-06
4478	492863.09, 3858377.25	0.0248568	9.40E-06	3.69E-06	1.27E-02	4.80E-06	1.89E-06	9.40E-04	3.55E-07	8.99E-09	9.68E-04	3.66E-07	9.26E-09	3.69E-06	1.89E-06
4479	493363.09, 3858377.25	0.0213512	8.07E-06	3.17E-06	1.09E-02	4.13E-06	1.62E-06	8.41E-04	3.18E-07	8.05E-09	8.67E-04	3.28E-07	8.29E-09	3.17E-06	1.62E-06
4480	493863.09, 3858377.25	0.0190766	7.21E-06	2.83E-06	9.79E-03	3.70E-06	1.45E-06	7.75E-04	2.93E-07	7.42E-09	7.98E-04	3.02E-07	7.64E-09	2.83E-06	1.45E-06
4481	494363.09, 3858377.25	0.0168209	6.36E-06	2.50E-06	8.65E-03	3.27E-06	1.28E-06	7.13E-04	2.69E-07	6.82E-09	7.36E-04	2.78E-07	7.04E-09	2.50E-06	1.28E-06
4482	494863.09, 3858377.25	0.0149905	5.67E-06	2.23E-06	7.73E-03	2.92E-06	1.15E-06	6.67E-04	2.52E-07	6.38E-09	6.87E-04	2.60E-07	6.57E-09	2.23E-06	1.15E-06
4483	495363.09, 3858377.25	0.0132205	5.00E-06	1.96E-06	6.84E-03	2.58E-06	1.02E-06	6.20E-04	2.35E-07	5.93E-09	6.38E-04	2.41E-07	6.10E-09	1.96E-06	1.02E-06
4484	495863.09, 3858377.25	0.012665	4.79E-06	1.88E-06	6.55E-03	2.48E-06	9.73E-07	6.03E-04	2.28E-07	5.77E-09	6.22E-04	2.35E-07	5.95E-09	1.88E-06	9.74E-07
4485	496363.09, 3858377.25	0.0124663	4.71E-06	1.85E-06	6.45E-03	2.44E-06	9.57E-07	5.86E-04	2.22E-07	5.60E-09	6.06E-04	2.29E-07	5.79E-09	1.85E-06	9.58E-07
4486	496863.09, 3858377.25	0.0123009	4.65E-06	1.83E-06	6.37E-03	2.41E-06	9.46E-07	5.89E-04	2.23E-07	5.63E-09	6.12E-04	2.31E-07	5.86E-09	1.83E-06	9.46E-07
4487	497363.09, 3858377.25	0.0118457	4.48E-06	1.76E-06	6.14E-03	2.32E-06	9.12E-07	5.83E-04	2.20E-07	5.57E-09	6.07E-04	2.30E-07	5.81E-09	1.76E-06	9.13E-07
4488	497863.09, 3858377.25	0.0122198	4.62E-06	1.82E-06	6.34E-03	2.40E-06	9.42E-07	6.06E-04	2.29E-07	5.80E-09	6.35E-04	2.40E-07	6.07E-09	1.82E-06	9.42E-07
4489	498363.09, 3858377.25	0.0124609	4.71E-06	1.85E-06	6.48E-03	2.45E-06	9.62E-07	6.41E-04	2.42E-07	6.13E-09	6.73E-04	2.54E-07	6.43E-09	1.85E-06	9.63E-07
4490	471363.09, 3858877.25	0.0024489	9.26E-07	3.64E-07	1.31E-03	4.95E-07	1.94E-07	1.82E-04	6.87E-08	1.74E-09	1.93E-04	7.28E-08	1.84E-09	3.64E-07	1.95E-07
4491	471863.09, 3858877.25	0.0025355	9.59E-07	3.77E-07	1.35E-03	5.12E-07	2.01E-07	1.85E-04	6.99E-08	1.77E-09	1.94E-04	7.34E-08	1.86E-09	3.77E-07	2.01E-07
4492	472363.09, 3858877.25	0.0026543	1.00E-06	3.94E-07	1.42E-03	5.35E-07	2.10E-07	1.91E-04	7.23E-08	1.83E-09	2.01E-04	7.59E-08	1.92E-09	3.94E-07	2.10E-07
4493	472863.09, 3858877.25	0.0027708	1.05E-06	4.12E-07	1.48E-03	5.58E-07	2.19E-07	1.96E-04	7.40E-08	1.87E-09	2.06E-04	7.78E-08	1.97E-09	4.12E-07	2.19E-07
4494	473363.09, 3858877.25	0.0028784	1.09E-06	4.28E-07	1.53E-03	5.79E-07	2.28E-07	2.04E-04	7.70E-08	1.95E-09	2.14E-04	8.08E-08	2.05E-09	4.28E-07	2.28E-07
4495	473863.09, 3858877.25	0.0030316	1.15E-06	4.50E-07	1.61E-03	6.08E-07	2.39E-07	2.05E-04	7.76E-08	1.96E-09	2.15E-04	8.15E-08	2.06E-09	4.50E-07	2.39E-07
4496	474363.09, 3858877.25	0.0030988	1.17E-06	4.60E-07	1.63E-03	6.18E-07	2.43E-07	1.94E-04	7.34E-08	1.86E-09	2.09E-04	7.90E-08	2.00E-09	4.60E-07	2.43E-07
4497	474863.09, 3858877.25	0.0026277	9.93E-07	3.90E-07	1.38E-03	5.21E-07	2.05E-07	1.54E-04	5.80E-08	1.47E-09	1.65E-04	6.23E-08	1.58E-09	3.90E-07	2.05E-07
4498	475363.09, 3858877.25	0.0023408	8.85E-07	3.48E-07	1.23E-03	4.66E-07	1.83E-07	1.44E-04	5.45E-08	1.38E-09	1.52E-04	5.74E-08	1.45E-09	3.48E-07	1.83E-07
4499	475863.09, 3858877.25	0.0025419	9.61E-07	3.78E-07	1.33E-03	5.04E-07	1.98E-07	1.50E-04	5.69E-08	1.44E-09	1.58E-04	5.99E-08	1.51E-09	3.78E-07	1.98E-07
4500	476363.09, 3858877.25	0.0021662	8.19E-07	3.22E-07	1.14E-03	4.32E-07	1.70E-07	1.36E-04	5.15E-08	1.30E-09	1.40E-04	5.31E-08	1.34E-09	3.22E-07	1.70E-07
4501	476863.09, 3858877.25	0.0024149	9.13E-07	3.59E-07	1.27E-03	4.80E-07	1.89E-07	1.47E-04	5.57E-08	1.41E-09	1.52E-04	5.74E-08	1.45E-09	3.59E-07	1.89E-07
4502	477363.09, 3858877.25	0.0025295	9.56E-07	3.76E-07	1.33E-03	5.02E-07	1.97E-07	1.50E-04	5.69E-08	1.44E-09	1.57E-04	5.92E-08	1.50E-09	3.76E-07	1.97E-07
4503	477863.09, 3858877.25	0.0028614	1.08E-06	4.25E-07	1.50E-03	5.66E-07	2.22E-07	1.61E-04	6.10E-08	1.54E-09	1.68E-04	6.36E-08	1.61E-09	4.25E-07	2.22E-07
4504	478363.09, 3858877.25	0.0041365	1.56E-06	6.14E-07	2.14E-03	8.09E-07	3.18E-07	1.96E-04	7.40E-08	1.87E-09	2.14E-04	8.08E-08	2.05E-09	6.15E-07	3.18E-07
4505	478863.09, 3858877.25	0.0039662	1.50E-06	5.89E-07	2.05E-03	7.77E-07	3.05E-07	1.93E-04	7.28E-08	1.84E-09	2.07E-04	7.84E-08	1.98E-09	5.89E-07	3.05E-07
4506	479363.09, 3858877.25	0.003634	1.37E-06	5.40E-07	1.89E-03	7.15E-07	2.81E-07	1.91E-04	7.23E-08	1.83E-09	2.02E-04	7.65E-08	1.94E-09	5.40E-07	2.81E-07
4507	479863.09, 3858877.25	0.0057316	2.17E-06	8.51E-07	2.99E-03	1.13E-06	4.44E-07	3.05E-04	1.15E-07	2.92E-09	3.15E-04	1.19E-07	3.01E-09	8.51E-07	4.44E-07
4508	480363.09, 3858877.25	0.0060619	2.29E-06	9.00E-07	3.16E-03	1.20E-06	4.70E-07	3.32E-04	1.26E-07	3.18E-09	3.35E-04	1.27E-07	3.20E-09	9.00E-07	4.70E-07

4509	480863.09, 3858877.25	0.0064527	2.44E-06	9.58E-07	3.37E-03	1.27E-06	5.00E-07	3.54E-04	1.34E-07	3.39E-09	3.53E-04	1.33E-07	3.37E-09	9.58E-07	5.00E-07
4510	481363.09, 3858877.25	0.0068554	2.59E-06	1.02E-06	3.58E-03	1.35E-06	5.32E-07	3.74E-04	1.42E-07	3.58E-09	3.71E-04	1.40E-07	3.54E-09	1.02E-06	5.31E-07
4511	481863.09, 3858877.25	0.0072609	2.75E-06	1.08E-06	3.79E-03	1.43E-06	5.63E-07	3.96E-04	1.50E-07	3.79E-09	3.93E-04	1.49E-07	3.76E-09	1.08E-06	5.63E-07
4512	482363.09, 3858877.25	0.0077966	2.95E-06	1.16E-06	4.07E-03	1.54E-06	6.04E-07	4.23E-04	1.60E-07	4.05E-09	4.16E-04	1.57E-07	3.98E-09	1.16E-06	6.04E-07
4513	482863.09, 3858877.25	0.0082868	3.13E-06	1.23E-06	4.33E-03	1.64E-06	6.43E-07	4.53E-04	1.71E-07	4.33E-09	4.44E-04	1.68E-07	4.25E-09	1.23E-06	6.42E-07
4514	483363.09, 3858877.25	0.0082858	3.13E-06	1.23E-06	4.37E-03	1.65E-06	6.50E-07	5.29E-04	2.00E-07	5.06E-09	4.78E-04	1.81E-07	4.57E-09	1.23E-06	6.49E-07
4515	483863.09, 3858877.25	0.0089351	3.38E-06	1.33E-06	4.71E-03	1.78E-06	7.00E-07	5.66E-04	2.14E-07	5.41E-09	5.01E-04	1.89E-07	4.79E-09	1.33E-06	7.00E-07
4516	484363.09, 3858877.25	0.0099978	3.78E-06	1.48E-06	5.26E-03	1.99E-06	7.81E-07	6.08E-04	2.30E-07	5.81E-09	5.32E-04	2.01E-07	5.09E-09	1.48E-06	7.80E-07
4517	484863.09, 3858877.25	0.0118758	4.49E-06	1.76E-06	6.21E-03	2.35E-06	9.22E-07	6.63E-04	2.51E-07	6.34E-09	5.70E-04	2.15E-07	5.45E-09	1.76E-06	9.21E-07
4518	485363.09, 3858877.25	0.0149832	5.66E-06	2.23E-06	7.78E-03	2.94E-06	1.16E-06	7.49E-04	2.83E-07	7.16E-09	6.25E-04	2.36E-07	5.98E-09	2.22E-06	1.15E-06
4519	485863.09, 3858877.25	0.0204024	7.71E-06	3.03E-06	1.05E-02	3.97E-06	1.56E-06	8.66E-04	3.28E-07	8.29E-09	7.04E-04	2.66E-07	6.73E-09	3.03E-06	1.56E-06
4520	486363.09, 3858877.25	0.037538	1.42E-05	5.58E-06	1.89E-02	7.16E-06	2.81E-06	1.02E-03	3.84E-07	9.72E-09	8.03E-04	3.04E-07	7.68E-09	5.57E-06	2.81E-06
4521	486863.09, 3858877.25	0.1391124	5.26E-05	2.07E-05	6.85E-02	2.59E-05	1.02E-05	1.24E-03	4.68E-07	1.18E-08	9.55E-04	3.61E-07	9.13E-09	2.07E-05	1.02E-05
4522	487363.09, 3858877.25	0.1670272	6.32E-05	2.48E-05	8.23E-02	3.11E-05	1.22E-05	1.62E-03	6.14E-07	1.55E-08	1.22E-03	4.60E-07	1.16E-08	2.48E-05	1.22E-05
4523	487863.09, 3858877.25	0.1807338	6.83E-05	2.68E-05	8.95E-02	3.38E-05	1.33E-05	2.40E-03	9.07E-07	2.29E-08	1.71E-03	6.46E-07	1.63E-08	2.68E-05	1.33E-05
4524	488363.09, 3858877.25	0.1874317	7.09E-05	2.78E-05	9.47E-02	3.58E-05	1.41E-05	5.39E-03	2.04E-06	5.16E-08	3.33E-03	1.26E-06	3.18E-08	2.78E-05	1.40E-05
4525	488863.09, 3858877.25	0.2052236	7.76E-05	3.05E-05	1.24E-01	4.68E-05	1.84E-05	3.71E-02	1.40E-05	3.55E-07	5.64E-02	2.13E-05	5.39E-07	3.07E-05	1.86E-05
4526	489363.09, 3858877.25	0.0862469	3.26E-05	1.28E-05	4.75E-02	1.80E-05	7.05E-06	8.54E-03	3.23E-06	8.17E-08	9.03E-03	3.41E-06	8.64E-08	1.28E-05	7.06E-06
4527	489863.09, 3858877.25	0.0597253	2.26E-05	8.87E-06	3.23E-02	1.22E-05	4.79E-06	4.94E-03	1.87E-06	4.72E-08	4.91E-03	1.86E-06	4.70E-08	8.87E-06	4.79E-06
4528	490363.09, 3858877.25	0.0475764	1.80E-05	7.07E-06	2.54E-02	9.59E-06	3.77E-06	3.43E-03	1.30E-06	3.28E-08	3.39E-03	1.28E-06	3.24E-08	7.07E-06	3.77E-06
4529	490863.09, 3858877.25	0.0409238	1.55E-05	6.08E-06	2.15E-02	8.12E-06	3.19E-06	2.43E-03	9.19E-07	2.33E-08	2.41E-03	9.12E-07	2.31E-08	6.08E-06	3.19E-06
4530	491363.09, 3858877.25	0.0367769	1.39E-05	5.46E-06	1.90E-02	7.19E-06	2.83E-06	1.73E-03	6.56E-07	1.66E-08	1.74E-03	6.58E-07	1.66E-08	5.46E-06	2.83E-06
4531	491863.09, 3858877.25	0.0309136	1.17E-05	4.59E-06	1.59E-02	6.01E-06	2.36E-06	1.32E-03	4.98E-07	1.26E-08	1.33E-03	5.02E-07	1.27E-08	4.59E-06	2.36E-06
4532	492363.09, 3858877.25	0.0288091	1.09E-05	4.28E-06	1.49E-02	5.62E-06	2.21E-06	1.29E-03	4.87E-07	1.23E-08	1.30E-03	4.92E-07	1.24E-08	4.28E-06	2.21E-06
4533	492863.09, 3858877.25	0.0264158	9.99E-06	3.92E-06	1.37E-02	5.18E-06	2.04E-06	1.31E-03	4.95E-07	1.25E-08	1.32E-03	4.99E-07	1.26E-08	3.92E-06	2.04E-06
4534	493363.09, 3858877.25	0.0240096	9.08E-06	3.57E-06	1.24E-02	4.70E-06	1.85E-06	1.15E-03	4.36E-07	1.10E-08	1.18E-03	4.44E-07	1.12E-08	3.57E-06	1.85E-06
4535	493863.09, 3858877.25	0.0212208	8.02E-06	3.15E-06	1.10E-02	4.14E-06	1.63E-06	9.82E-04	3.71E-07	9.40E-09	1.01E-03	3.82E-07	9.66E-09	3.15E-06	1.63E-06
4536	494363.09, 3858877.25	0.0193183	7.30E-06	2.87E-06	9.98E-03	3.77E-06	1.48E-06	8.96E-04	3.39E-07	8.57E-09	9.26E-04	3.50E-07	8.85E-09	2.87E-06	1.48E-06
4537	494863.09, 3858877.25	0.0173711	6.57E-06	2.58E-06	8.98E-03	3.40E-06	1.33E-06	8.15E-04	3.08E-07	7.79E-09	8.44E-04	3.19E-07	8.07E-09	2.58E-06	1.33E-06
4538	495363.09, 3858877.25	0.0156121	5.90E-06	2.32E-06	8.08E-03	3.06E-06	1.20E-06	7.49E-04	2.83E-07	7.16E-09	7.75E-04	2.93E-07	7.42E-09	2.32E-06	1.20E-06
4539	495863.09, 3858877.25	0.0149364	5.65E-06	2.22E-06	7.73E-03	2.92E-06	1.15E-06	7.08E-04	2.68E-07	6.77E-09	7.36E-04	2.78E-07	7.04E-09	2.22E-06	1.15E-06
4540	496363.09, 3858877.25	0.0138662	5.24E-06	2.06E-06	7.19E-03	2.72E-06	1.07E-06	6.86E-04	2.59E-07	6.56E-09	7.15E-04	2.70E-07	6.84E-09	2.06E-06	1.07E-06
4541	496863.09, 3858877.25	0.0130721	4.94E-06	1.94E-06	6.79E-03	2.57E-06	1.01E-06	6.69E-04	2.53E-07	6.40E-09	6.97E-04	2.64E-07	6.67E-09	1.94E-06	1.01E-06
4542	497363.09, 3858877.25	0.0124038	4.69E-06	1.84E-06	6.46E-03	2.44E-06	9.59E-07	6.53E-04	2.47E-07	6.25E-09	6.82E-04	2.58E-07	6.53E-09	1.84E-06	9.60E-07
4543	497863.09, 3858877.25	0.0124543	4.71E-06	1.85E-06	6.50E-03	2.46E-06	9.66E-07	6.83E-04	2.58E-07	6.53E-09	7.13E-04	2.70E-07	6.82E-09	1.85E-06	9.66E-07
4544	498363.09, 3858877.25	0.0121908	4.61E-06	1.81E-06	6.40E-03	2.42E-06	9.50E-07	7.17E-04	2.71E-07	6.86E-09	7.48E-04	2.83E-07	7.15E-09	1.81E-06	9.50E-07
4545	471363.09, 3859377.25	0.0024139	9.13E-07	3.59E-07	1.29E-03	4.87E-07	1.91E-07	1.77E-04	6.69E-08	1.69E-09	1.86E-04	7.04E-08	1.78E-09	3.59E-07	1.92E-07
4546	471863.09, 3859377.25	0.0025032	9.46E-07	3.72E-07	1.34E-03	5.05E-07	1.98E-07	1.82E-04	6.87E-08	1.74E-09	1.91E-04	7.22E-08	1.83E-09	3.72E-07	1.98E-07
4547	472363.09, 3859377.25	0.0026069	9.86E-07	3.87E-07	1.39E-03	5.25E-07	2.06E-07	1.86E-04	7.05E-08	1.78E-09	1.96E-04	7.41E-08	1.87E-09	3.87E-07	2.06E-07
4548	472863.09, 3859377.25	0.0026992	1.02E-06	4.01E-07	1.44E-03	5.44E-07	2.14E-07	1.93E-04	7.28E-08	1.84E-09	2.01E-04	7.59E-08	1.92E-09	4.01E-07	2.14E-07
4549	473363.09, 3859377.25	0.0028056	1.06E-06	4.17E-07	1.49E-03	5.65E-07	2.22E-07	1.99E-04	7.52E-08	1.90E-09	2.06E-04	7.78E-08	1.97E-09	4.17E-07	2.22E-07
4550	473863.09, 3859377.25	0.0029351	1.11E-06	4.36E-07	1.56E-03	5.89E-07	2.32E-07	2.02E-04	7.64E-08	1.93E-09	2.09E-04	7.90E-08	2.00E-09	4.36E-07	2.32E-07
4551	474363.09, 3859377.25	0.0030034	1.14E-06	4.46E-07	1.59E-03	5.99E-07	2.35E-07	1.91E-04	7.23E-08	1.83E-09	2.02E-04	7.65E-08	1.94E-09	4.46E-07	2.36E-07
4552	474863.09, 3859377.25	0.0029459	1.11E-06	4.38E-07	1.54E-03	5.84E-07	2.29E-07	1.71E-04	6.46E-08	1.63E-09	1.84E-04	6.97E-08	1.76E-09	4.38E-07	2.29E-07
4553	475363.09, 3859377.25	0.0026273	9.93E-07	3.90E-07	1.38E-03	5.20E-07	2.04E-07	1.50E-04	5.69E-08	1.44E-09	1.62E-04	6.11E-08	1.55E-09	3.90E-07	2.04E-07
4554	475863.09, 3859377.25	0.002208	8.35E-07	3.28E-07	1.16E-03	4.40E-07	1.73E-07	1.36E-04	5.15E-08	1.30E-09	1.44E-04	5.43E-08	1.37E-09	3.28E-07	1.73E-07
4555	476363.09, 3859377.25	0.0021516	8.13E-07	3.20E-07	1.13E-03	4.29E-07	1.68E-07	1.35E-04	5.09E-08	1.29E-09	1.40E-04	5.31E-08	1.34E-09	3.20E-07	1.69E-07
4556	476863.09, 3859377.25	0.0020082	7.59E-07	2.98E-07	1.06E-03	4.01E-07	1.58E-07	1.30E-04	4.92E-08	1.24E-09	1.34E-04	5.06E-08	1.28E-09	2.98E-07	1.58E-07
4557	477363.09, 3859377.25	0.0021393	8.09E-07	3.18E-07	1.13E-03	4.27E-07	1.68E-07	1.35E-04	5.09E-08	1.29E-09	1.40E-04	5.31E-08	1.34E-09	3.18E-07	1.68E-07
4558	477863.09, 3859377.25	0.0028989	1.10E-06	4.31E-07	1.51E-03	5.72E-07	2.25E-07	1.57E-04	5.92E-08	1.50E-09	1.66E-04	6.29E-08	1.59E-09	4.31E-07	2.25E-07
4559	478363.09, 3859377.25	0.0037446	1.42E-06	5.56E-07	1.94E-03	7.33E-07	2.88E-07	1.79E-04	6.75E-08	1.71E-09	1.94E-04	7.34E-08	1.86E-09	5.56E-07	2.88E-07
4560	478863.09, 3859377.25	0.0044979	1.70E-06	6.68E-07	2.32E-03	8.79E-07	3.45E-07	2.10E-04	7.94E-08	2.01E-09	2.30E-04	8.70E-08	2.20E-09	6.68E-07	3.46E-07
4561	479363.09, 3859377.25	0.0049495	1.87E-06	7.35E-07	2.57E-03	9.70E-07	3.81E-07	2.44E-04	9.24E-08	2.34E-09	2.61E-04	9.87E-08	2.50E-09	7.35E-07	3.81E-07
4562	479863.09, 3859377.25	0.0052839	2.00E-06	7.85E-07	2.75E-03	1.04E-06	4.08E-07	2.76E-04	1.04E-07	2.64E-09	2.86E-04	1.08E-07	2.73E-09	7.85E-07	4.09E-07
4563	480363.09, 3859377.25	0.0055202	2.09E-06	8.20E-07	2.88E-03	1.09E-06	4.28E-07	3.05E-04	1.15E-07	2.92E-09	3.09E-04	1.17E-07	2.95E-09	8.20E-07	4.28E-07
4564	480863.09, 3859377.25	0.0057636	2.18E-06	8.56E-07	3.02E-03	1.14E-06	4.48E-07	3.29E-04	1.24E-07	3.15E-09	3.26E-04	1.23E-07	3.12E-09	8.56E-07	4.48E-07
4565	481363.09, 3859377.25	0.0060276	2.28E-06	8.95E-07	3.16E-03	1.19E-06	4.69E-07	3.48E-04	1.31E-07	3.33E-09	3.43E-04	1.30E-07	3.28E-09	8.95E-07	4.69E-07
4566	481863.09, 3859377.25	0.0063337	2.39E-06	9.41E-07	3.32E-03	1.26E-06	4.93E-07	3.67E-04	1.39E-07	3.51E-09	3.59E-04	1.36E-07	3.43E-09	9.41E-07	4.93E-07
4567	482363.09, 3859377.25	0.006782	2.56E-06	1.01E-06	3.55E-03	1.34E-06	5.28E-07	3.88E-04	1.47E-07	3.72E-09	3.79E-04	1.43E-07	3.62E-09	1.01E-06	5.27E-07
4568	482863.09, 3859377.25	0.0071402	2.70E-06	1.06E-06	3.74E-03	1.41E-06	5.56E-07	4.14E-04	1.56E-07	3.96E-09	4.00E-04	1.51E-07	3.83E-09	1.06E-06	5.56E-07
4569	483363.09, 3859377.25	0.0073887	2.79E-06	1.10E-06	3.89E-03	1.47E-06	5.78E-07	4.59E-04	1.74E-07	4.39E-09	4.28E-04	1.62E-07	4.09E-09	1.10E-06	5.78E-07
4570	483863.09, 3859377.25	0.0077342	2.92E-06	1.15E-06	4.09E-03	1.54E-06	6.07E-07	4.97E-04	1.88E-07	4.75E-09	4.54E-04	1.72E-07	4.34E-09	1.15E-06	6.06E-07
4571	484363.09, 3859377.25	0.008556	3.23E-06	1.27E-06	4.51E-03	1.71E-06	6.70E-07	5.37E-04	2.03E-07	5.14E-09	4.90E-04	1.85E-07	4.68E-09	1.27E-06	6.70E-07
4572	484863.09, 3859377.25	0.0098218	3.71E-06	1.46E-06	5.16E-03	1.95E-06	7.66E-07	5.84E-04	2.21E-07	5.59E-09	5.29E-04	2.00E-07	5.06E-09	1.46E-06	7.66E-07
4573	485363.09, 3859377.25	0.0119282	4.51E-06	1.77E-06	6.22E-03	2.35E-06	9.24E-07	6.44E-04	2.43E-07	6.16E-09	5.78E-04	2.18E-07	5.53E-09	1.77E-06	9.23E-07
4574	485863.09, 3859377.25	0.0152155	5.75E-06	2.26E-06	7.87E-03	2.97E-06	1.17E-06	7.16E-04	2.71E-07	6.85E-09	6.33E-04	2.39E-07	6.06E-09	2.26E-06	1.17E-06
4575	486363.09, 3859377.25	0.0214475	8.11E-06	3.19E-06	1.10E-02	4.14E-06	1.63E-06	7.97E-04	3.01E-07	7.63E-09	6.99E-04	2.64E-07	6.68E-09	3.18E-06	1.63E-06
4576	486863.09, 3859377.25	0.0547466	2.07E-05	8.13E-06	2.72E-02	1.03E-05	4.04E-06	9.02E-04	3.41E-07	8.63E-09	7.83E-04	2.96E-07	7.49E-09	8.13E-06	4.04E-06
4577	487363.09, 3859377.25	0.1394722	5.27E-05	2.07E-05	6.86E-02	2.59E-05	1.02E-05	1.05E-03	3.97E-07	1.00E-08	9.19E-04	3.47E-07	8.79E-09	2.07E-05	1.02E-05
4578	487863.09, 3859377.25	0.1612295	6.10E-05	2.39E-05	7.93E-02	3.00E-05	1.18E-05	1.29E-03	4.86E-07	1.23E-08	1.15E-03	4.33E-07	1.10E-08	2.39E-05	1.18E-05
4579	488363.09, 3859377.25	0.1715111	6.48E-05	2.55E-05	8.46E-02	3.20E-05	1.26E-05	1.71E-03	6.45E-07	1.63E-08	1.55E-03	5.85E-07	1.48E-08	2.55E-05	1.26E-05
4580	488863.09, 3859377.25	0.1230023	4.65E-05	1.83E-05	6.16E-02	2.33E-05	9.15E-06	2.66E-03	1.01E-06	2.55E-08	2.51E-03	9.50E-07	2.40E-08	1.83E-05	9.15E-06
4581	489363.09, 3859377.25	0.0771217	2.92E-05	1.15E-05	4.22E-02	1.59E-05	6.27E-06	7.19E-03	2.72E-06	6.88E-08	7.07E-03	2.67E-06	6.76E-08	1.15E-05	6.26E-06
4582	489863.09, 3859377.25	0.1483454	5.61E-05	2.20E-05	8.73E-02	3.30E-05	1.30E-05	2.33E-02	8.81E-06	2.23E-07	2.47E-02	9.33E-06	2.36E-07	2.20E-05	1.30E-05
4583	490363.09, 3859377.25	0.0639271	2.42E-05	9.50E-06	3.59E-02	1.36E-05	5.34E-06	7.45E-03	2.82E-06	7.13E-08	7.66E-03	2.90E-06	7.33E-08	9.50E-06	5.34E-06
4584	490863.09, 3859377.25	0.0464228	1.76E-05	6.90E-06	2.52E-02	9.54E-06	3.75E-06	4.08E-03	1.54E-06	3.91E-08	4.16E-03	1.57E-06	3.98E-08	6.90E-06	3.75E-06
4585	491363.09, 3859377.25	0.0391038	1.48E-05	5.81E-06	2.06E-02	7.79E-06	3.06E-06	2.42E-03	9.15E-07	2.32E-08	2.48E-03	9.39E-07	2.37E-08	5.81E-06	3.06E-06
4586	491863.09, 3859377.25	0.0324207	1.23E-05	4.82E-06	1.73E-02	6.52E-06	2.56E-06	2.28E-03	8.62E-07	2.18E-08	2.32E-03	8.78E-07	2.22E-08	4.82E-06	2.56E-06
4587	492363.09, 3859377.25	0.0284629	1.08E-05	4.23E-06	1.51E-02	5.71E-06	2.24E-06	1.94E-03	7.34E-07	1.86E-08	1.98E-03	7.47E-07	1.89E-08	4.23E-06	2.24E-06
4588	492863.09, 3859377.25	0.0253609	9.59E-06	3.77E-06	1.35E-02	5.09E-06	2.00E-06	1.74E-03	6.57E-07	1.66E-08	1.76E-03	6.66E-07	1.68E-08	3.77E-06	2.00E-06
4589	493363.09, 3859377.25	0.0230772	8.73E-06	3.43E-06	1.22E-02	4.60E-06	1.81E-06	1.46E-03	5.52E-07	1.40E-08	1.48E-03	5.60E-07	1.42E-08	3.43E-06	1.81E-06
4590	493863.09, 3859377.25	0.0210002	7.94E-06	3.12E-06	1.11E-02	4.19E-06	1.65E-06	1.32E-03	5.00E-07	1.26E-08	1.34E-03	5.07E-07	1.28E-08	3.12E-06	1.65E-06
4591	494363.09, 3859377.25	0.0193607	7.32E-06	2.88E-06	1.02E-02	3.85E-06	1.51E-06	1.18E-03	4.47E-07	1.13E-08	1.20E-03	4.55E-07	1.15E-08	2.88E-06	1.51E-06
4592	494863.09, 3859377.25	0.0197287	7.46E-06	2.93E-06	1.03E-02	3.88E-06	1.52E-06	1.01E-03	3.82E-07	9.66E-09	1.04E-03	3.93E-07	9.95E-09	2.93E-06	1.52E-06
4593	495363.09, 3859377.25	0.0163382	6.18E-06	2.43E-06	8.56E-03	3.24E-06	1.27E-06	9.38E-04	3.55E-07	8.98E-09	9.70E-04	3.67E-07	9.27E-09	2.43E-06	1.27E-06
4594	495863.09, 3859377.25	0.0149581	5.66E-06	2.22E-06	7.84E-03	2.96E-06	1.16E-06	8.62E-04	3.26E-07	8.24E-09	8.93E-04	3.38E-07	8.54E-09	2.22E-06	1.16E-06
4595	496363.09, 3859377.25	0.013999	5.29E-06	2.08E-06	7.35E-03	2.78E-06	1.09E-06	8.30E-04	3.14E-07	7.94E-09	8.60E-04	3.25E-07	8.23E-09	2.08E-06	1.09E-06
4596	496863.09, 3859377.25	0.0128487	4.86E-06	1.91E-06	6.75E-03	2.55E-06	1.00E-06	7.64E-04	2.89E-07	7.31E-09	7.93E-04	3.00E-07	7.59E-09	1.91E-06	1.00E-06
4597	497363.09, 3859377.25	0.0123139	4.66E-06	1.83E-06	6.49E-03	2.45E-06	9.64E-07	7.64E-04	2.89E-07	7.31E-09	7.93E-04	3.00E-07	7.59E-09	1.83E-06	9.64E-07
4598	497863.09, 3859377.25	0.0118982	4.50E-06	1.77E-06	6.30E-03	2.38E-06	9.36E-07	7.94E-04	3.00E-07	7.60E-09	8.21E-04	3.10E-07	7.85E-09	1.77E-06	9.37E-07
4599	498363.09, 3859377.25	0.0114208	4.32E-06	1.70E-06	6.09E-03	2.30E-06	9.05E-07	8.22E-04	3.11E-07	7.87E-09	8.46E-04	3.20E-07	8.09E-09	1.70E-06	9.05E-07
4600	471363.09, 3859877.25	0.002359	8.92E-07	3.50E-07	1.26E-03	4.77E-07	1.87E-07	1.74E-04	6.57E-08	1.66E-09	1.81E-04	6.85E-08	1.73E-09	3.50E-07	1.87E-07
4601	471863.09, 3859877.25	0.0024494	9.26E-07	3.64E-07	1.31E-03	4.94E-07	1.94E-07	1.79E-04	6.75E-08	1.71E-09	1.86E-04	7.04E-08	1.78E-09	3.64E-07	1.94E-07
4602	472363.09, 3859877.25	0.0025377	9.59E-07	3.77E-07	1.35E-03	5.11E-07	2.01E-07	1.82E-04	6.87E-08	1.74E-09	1.89E-04	7.16E-08	1.81E-09	3.77E-07	2.01E-07

4603	472863.09, 3859877.25	0.0026169	9.89E-07	3.89E-07	1.40E-03	5.27E-07	2.07E-07	1.88E-04	7.11E-08	1.80E-09	1.94E-04	7.34E-08	1.86E-09	3.89E-07	2.07E-07
4604	473363.09, 3859877.25	0.0027077	1.02E-06	4.02E-07	1.44E-03	5.45E-07	2.14E-07	1.93E-04	7.28E-08	1.84E-09	1.99E-04	7.53E-08	1.90E-09	4.02E-07	2.14E-07
4605	473863.09, 3859877.25	0.0028255	1.07E-06	4.20E-07	1.50E-03	5.68E-07	2.23E-07	1.97E-04	7.46E-08	1.89E-09	2.04E-04	7.71E-08	1.95E-09	4.20E-07	2.23E-07
4606	474363.09, 3859877.25	0.0029532	1.12E-06	4.39E-07	1.56E-03	5.90E-07	2.32E-07	1.90E-04	7.17E-08	1.81E-09	2.01E-04	7.59E-08	1.92E-09	4.39E-07	2.32E-07
4607	474863.09, 3859877.25	0.002976	1.13E-06	4.42E-07	1.56E-03	5.91E-07	2.32E-07	1.77E-04	6.69E-08	1.69E-09	1.91E-04	7.22E-08	1.83E-09	4.42E-07	2.32E-07
4608	475363.09, 3859877.25	0.002745	1.04E-06	4.08E-07	1.44E-03	5.43E-07	2.13E-07	1.54E-04	5.80E-08	1.47E-09	1.65E-04	6.23E-08	1.58E-09	4.08E-07	2.13E-07
4609	475863.09, 3859877.25	0.0021073	7.97E-07	3.13E-07	1.11E-03	4.20E-07	1.65E-07	1.32E-04	4.98E-08	1.26E-09	1.39E-04	5.25E-08	1.33E-09	3.13E-07	1.65E-07
4610	476363.09, 3859877.25	0.0017462	6.60E-07	2.59E-07	9.26E-04	3.50E-07	1.38E-07	1.17E-04	4.44E-08	1.12E-09	1.22E-04	4.63E-08	1.17E-09	2.59E-07	1.38E-07
4611	476863.09, 3859877.25	0.0018656	7.05E-07	2.77E-07	9.88E-04	3.74E-07	1.47E-07	1.24E-04	4.68E-08	1.18E-09	1.29E-04	4.88E-08	1.23E-09	2.77E-07	1.47E-07
4612	477363.09, 3859877.25	0.0019555	7.39E-07	2.90E-07	1.03E-03	3.91E-07	1.54E-07	1.28E-04	4.86E-08	1.23E-09	1.34E-04	5.06E-08	1.28E-09	2.91E-07	1.54E-07
4613	477863.09, 3859877.25	0.0026401	9.98E-07	3.92E-07	1.38E-03	5.22E-07	2.05E-07	1.47E-04	5.57E-08	1.41E-09	1.57E-04	5.92E-08	1.50E-09	3.92E-07	2.05E-07
4614	478363.09, 3859877.25	0.0035534	1.34E-06	5.28E-07	1.84E-03	6.96E-07	2.73E-07	1.71E-04	6.46E-08	1.63E-09	1.86E-04	7.04E-08	1.78E-09	5.28E-07	2.73E-07
4615	478863.09, 3859877.25	0.004206	1.59E-06	6.25E-07	2.18E-03	8.23E-07	3.23E-07	2.02E-04	7.64E-08	1.93E-09	2.20E-04	8.33E-08	2.11E-09	6.25E-07	3.24E-07
4616	479363.09, 3859877.25	0.0046456	1.76E-06	6.90E-07	2.42E-03	9.13E-07	3.59E-07	2.40E-04	9.06E-08	2.29E-09	2.53E-04	9.57E-08	2.42E-09	6.90E-07	3.59E-07
4617	479863.09, 3859877.25	0.0048564	1.84E-06	7.21E-07	2.54E-03	9.59E-07	3.77E-07	2.69E-04	1.02E-07	2.58E-09	2.76E-04	1.04E-07	2.64E-09	7.21E-07	3.77E-07
4618	480363.09, 3859877.25	0.0050218	1.90E-06	7.46E-07	2.63E-03	9.96E-07	3.91E-07	2.95E-04	1.11E-07	2.82E-09	2.95E-04	1.12E-07	2.83E-09	7.46E-07	3.91E-07
4619	480863.09, 3859877.25	0.0052042	1.97E-06	7.73E-07	2.74E-03	1.03E-06	4.06E-07	3.13E-04	1.18E-07	3.00E-09	3.10E-04	1.17E-07	2.97E-09	7.73E-07	4.06E-07
4620	481363.09, 3859877.25	0.0053959	2.04E-06	8.01E-07	2.84E-03	1.07E-06	4.22E-07	3.29E-04	1.24E-07	3.15E-09	3.23E-04	1.22E-07	3.09E-09	8.01E-07	4.22E-07
4621	481863.09, 3859877.25	0.0056555	2.14E-06	8.40E-07	2.98E-03	1.12E-06	4.42E-07	3.45E-04	1.30E-07	3.30E-09	3.38E-04	1.28E-07	3.23E-09	8.40E-07	4.42E-07
4622	482363.09, 3859877.25	0.0059742	2.26E-06	8.87E-07	3.14E-03	1.19E-06	4.67E-07	3.63E-04	1.37E-07	3.48E-09	3.54E-04	1.34E-07	3.39E-09	8.87E-07	4.67E-07
4623	482863.09, 3859877.25	0.0062653	2.37E-06	9.31E-07	3.30E-03	1.25E-06	4.89E-07	3.81E-04	1.44E-07	3.64E-09	3.69E-04	1.39E-07	3.53E-09	9.30E-07	4.89E-07
4624	483363.09, 3859877.25	0.0065646	2.48E-06	9.75E-07	3.46E-03	1.31E-06	5.13E-07	4.03E-04	1.52E-07	3.85E-09	3.88E-04	1.47E-07	3.72E-09	9.75E-07	5.13E-07
4625	483863.09, 3859877.25	0.0067126	2.54E-06	9.97E-07	3.55E-03	1.34E-06	5.27E-07	4.37E-04	1.65E-07	4.18E-09	4.10E-04	1.55E-07	3.92E-09	9.97E-07	5.27E-07
4626	484363.09, 3859877.25	0.00726	2.74E-06	1.08E-06	3.83E-03	1.45E-06	5.69E-07	4.64E-04	1.75E-07	4.44E-09	4.33E-04	1.64E-07	4.14E-09	1.08E-06	5.69E-07
4627	484863.09, 3859877.25	0.0080648	3.05E-06	1.20E-06	4.24E-03	1.60E-06	6.30E-07	4.93E-04	1.87E-07	4.72E-09	4.62E-04	1.75E-07	4.42E-09	1.20E-06	6.30E-07
4628	485363.09, 3859877.25	0.009349	3.53E-06	1.39E-06	4.90E-03	1.85E-06	7.27E-07	5.36E-04	2.03E-07	5.12E-09	5.01E-04	1.89E-07	4.79E-09	1.39E-06	7.27E-07
4629	485863.09, 3859877.25	0.0112771	4.26E-06	1.68E-06	5.87E-03	2.22E-06	8.72E-07	5.94E-04	2.24E-07	5.68E-09	5.52E-04	2.09E-07	5.28E-09	1.67E-06	8.72E-07
4630	486363.09, 3859877.25	0.0139311	5.27E-06	2.07E-06	7.21E-03	2.73E-06	1.07E-06	6.63E-04	2.51E-07	6.34E-09	6.15E-04	2.33E-07	5.89E-09	2.07E-06	1.07E-06
4631	486863.09, 3859877.25	0.0182975	6.92E-06	2.72E-06	9.39E-03	3.55E-06	1.39E-06	7.44E-04	2.81E-07	7.12E-09	6.92E-04	2.62E-07	6.62E-09	2.72E-06	1.39E-06
4632	487363.09, 3859877.25	0.0319698	1.21E-05	4.75E-06	1.61E-02	6.09E-06	2.39E-06	8.32E-04	3.14E-07	7.96E-09	7.77E-04	2.94E-07	7.43E-09	4.75E-06	2.39E-06
4633	487863.09, 3859877.25	0.1305647	4.94E-05	1.94E-05	6.42E-02	2.43E-05	9.53E-06	9.46E-04	3.58E-07	9.05E-09	8.98E-04	3.39E-07	8.59E-09	1.94E-05	9.53E-06
4634	488363.09, 3859877.25	0.1373509	5.19E-05	2.04E-05	6.76E-02	2.55E-05	1.00E-05	1.08E-03	4.09E-07	1.04E-08	1.05E-03	3.96E-07	1.00E-08	2.04E-05	1.00E-05
4635	488863.09, 3859877.25	0.0761625	2.88E-05	1.13E-05	3.79E-02	1.43E-05	5.64E-06	1.34E-03	5.08E-07	1.28E-08	1.32E-03	4.99E-07	1.26E-08	1.13E-05	5.63E-06
4636	489363.09, 3859877.25	0.0617134	2.33E-05	9.17E-06	3.12E-02	1.18E-05	4.64E-06	1.81E-03	6.84E-07	1.73E-08	1.82E-03	6.89E-07	1.74E-08	9.17E-06	4.64E-06
4637	489863.09, 3859877.25	0.0474952	1.80E-05	7.05E-06	2.50E-02	9.44E-06	3.71E-06	2.85E-03	1.08E-06	2.72E-08	2.90E-03	1.10E-06	2.77E-08	7.06E-06	3.71E-06
4638	490363.09, 3859877.25	0.0459981	1.74E-05	6.83E-06	2.65E-02	1.00E-05	3.94E-06	6.40E-03	2.42E-06	6.12E-08	6.56E-03	2.48E-06	6.27E-08	6.83E-06	3.94E-06
4639	490863.09, 3859877.25	0.1525692	5.77E-05	2.27E-05	1.06E-01	3.99E-05	1.57E-05	4.86E-02	1.84E-05	4.65E-07	5.58E-02	2.11E-05	5.34E-07	2.27E-05	1.58E-05
4640	491363.09, 3859877.25	0.0641616	2.43E-05	9.53E-06	3.73E-02	1.41E-05	5.54E-06	9.40E-03	3.56E-06	9.00E-08	9.77E-03	3.70E-06	9.35E-08	9.53E-06	5.54E-06
4641	491863.09, 3859877.25	0.0374639	1.42E-05	5.56E-06	2.13E-02	8.06E-06	3.17E-06	4.76E-03	1.80E-06	4.56E-08	4.93E-03	1.86E-06	4.71E-08	5.57E-06	3.17E-06
4642	492363.09, 3859877.25	0.0287039	1.09E-05	4.26E-06	1.61E-02	6.07E-06	2.39E-06	3.23E-03	1.22E-06	3.09E-08	3.33E-03	1.26E-06	3.19E-08	4.26E-06	2.39E-06
4643	492863.09, 3859877.25	0.0239199	9.04E-06	3.55E-06	1.32E-02	4.98E-06	1.96E-06	2.37E-03	8.97E-07	2.27E-08	2.44E-03	9.23E-07	2.34E-08	3.55E-06	1.96E-06
4644	493363.09, 3859877.25	0.0207899	7.86E-06	3.09E-06	1.14E-02	4.30E-06	1.69E-06	1.96E-03	7.40E-07	1.87E-08	2.01E-03	7.58E-07	1.92E-08	3.09E-06	1.69E-06
4645	493863.09, 3859877.25	0.0186056	7.03E-06	2.76E-06	1.01E-02	3.83E-06	1.51E-06	1.68E-03	6.36E-07	1.61E-08	1.72E-03	6.49E-07	1.64E-08	2.76E-06	1.51E-06
4646	494363.09, 3859877.25	0.0173398	6.56E-06	2.58E-06	9.38E-03	3.54E-06	1.39E-06	1.45E-03	5.48E-07	1.39E-08	1.48E-03	5.59E-07	1.41E-08	2.58E-06	1.39E-06
4647	494863.09, 3859877.25	0.0157836	5.97E-06	2.34E-06	8.54E-03	3.23E-06	1.27E-06	1.32E-03	5.00E-07	1.27E-08	1.35E-03	5.10E-07	1.29E-08	2.34E-06	1.27E-06
4648	495363.09, 3859877.25	0.0145544	5.50E-06	2.16E-06	7.86E-03	2.97E-06	1.17E-06	1.20E-03	4.52E-07	1.14E-08	1.22E-03	4.62E-07	1.17E-08	2.16E-06	1.17E-06
4649	495863.09, 3859877.25	0.0135846	5.14E-06	2.02E-06	7.31E-03	2.77E-06	1.09E-06	1.09E-03	4.11E-07	1.04E-08	1.11E-03	4.20E-07	1.06E-08	2.02E-06	1.09E-06
4650	496363.09, 3859877.25	0.0126493	4.78E-06	1.88E-06	6.78E-03	2.56E-06	1.01E-06	9.60E-04	3.63E-07	9.19E-09	9.89E-04	3.74E-07	9.46E-09	1.88E-06	1.01E-06
4651	496863.09, 3859877.25	0.0111203	4.20E-06	1.65E-06	5.93E-03	2.24E-06	8.80E-07	7.96E-04	3.01E-07	7.61E-09	8.26E-04	3.12E-07	7.90E-09	1.65E-06	8.81E-07
4652	497363.09, 3859877.25	0.0111352	4.21E-06	1.65E-06	5.97E-03	2.26E-06	8.86E-07	8.44E-04	3.19E-07	8.08E-09	8.75E-04	3.31E-07	8.37E-09	1.65E-06	8.86E-07
4653	497863.09, 3859877.25	0.0107964	4.08E-06	1.60E-06	5.85E-03	2.21E-06	8.68E-07	9.15E-04	3.46E-07	8.75E-09	9.40E-04	3.55E-07	8.99E-09	1.60E-06	8.69E-07
4654	498363.09, 3859877.25	0.0102226	3.86E-06	1.52E-06	5.59E-03	2.11E-06	8.30E-07	9.51E-04	3.60E-07	9.10E-09	9.74E-04	3.68E-07	9.32E-09	1.52E-06	8.30E-07
4655	471363.09, 3860377.25	0.0022908	8.66E-07	3.40E-07	1.23E-03	4.63E-07	1.82E-07	1.71E-04	6.46E-08	1.63E-09	1.76E-04	6.67E-08	1.69E-09	3.40E-07	1.82E-07
4656	471863.09, 3860377.25	0.0023784	8.99E-07	3.53E-07	1.27E-03	4.80E-07	1.89E-07	1.74E-04	6.57E-08	1.66E-09	1.80E-04	6.79E-08	1.72E-09	3.53E-07	1.89E-07
4657	472363.09, 3860377.25	0.0024544	9.28E-07	3.65E-07	1.31E-03	4.95E-07	1.95E-07	1.79E-04	6.75E-08	1.71E-09	1.84E-04	6.97E-08	1.76E-09	3.65E-07	1.95E-07
4658	472863.09, 3860377.25	0.0025306	9.57E-07	3.76E-07	1.35E-03	5.10E-07	2.01E-07	1.83E-04	6.93E-08	1.75E-09	1.89E-04	7.16E-08	1.81E-09	3.76E-07	2.01E-07
4659	473363.09, 3860377.25	0.0026205	9.91E-07	3.89E-07	1.40E-03	5.28E-07	2.07E-07	1.88E-04	7.11E-08	1.80E-09	1.94E-04	7.34E-08	1.86E-09	3.89E-07	2.08E-07
4660	473863.09, 3860377.25	0.0027219	1.03E-06	4.04E-07	1.45E-03	5.48E-07	2.15E-07	1.91E-04	7.23E-08	1.83E-09	1.98E-04	7.47E-08	1.89E-09	4.04E-07	2.15E-07
4661	474363.09, 3860377.25	0.0028597	1.08E-06	4.25E-07	1.52E-03	5.73E-07	2.25E-07	1.91E-04	7.23E-08	1.83E-09	1.99E-04	7.53E-08	1.90E-09	4.25E-07	2.25E-07
4662	474863.09, 3860377.25	0.0029924	1.13E-06	4.44E-07	1.58E-03	5.97E-07	2.34E-07	1.88E-04	7.11E-08	1.80E-09	1.98E-04	7.47E-08	1.89E-09	4.45E-07	2.34E-07
4663	475363.09, 3860377.25	0.003045	1.15E-06	4.52E-07	1.60E-03	6.04E-07	2.37E-07	1.77E-04	6.69E-08	1.69E-09	1.89E-04	7.16E-08	1.81E-09	4.52E-07	2.37E-07
4664	475863.09, 3860377.25	0.0030574	1.16E-06	4.54E-07	1.60E-03	6.04E-07	2.37E-07	1.68E-04	6.34E-08	1.60E-09	1.80E-04	6.79E-08	1.72E-09	4.54E-07	2.37E-07
4665	476363.09, 3860377.25	0.0029373	1.11E-06	4.36E-07	1.53E-03	5.78E-07	2.27E-07	1.54E-04	5.80E-08	1.47E-09	1.66E-04	6.29E-08	1.59E-09	4.36E-07	2.27E-07
4666	476863.09, 3860377.25	0.0028775	1.09E-06	4.27E-07	1.50E-03	5.66E-07	2.22E-07	1.50E-04	5.69E-08	1.44E-09	1.62E-04	6.11E-08	1.55E-09	4.28E-07	2.23E-07
4667	477363.09, 3860377.25	0.0022794	8.62E-07	3.39E-07	1.20E-03	4.52E-07	1.78E-07	1.35E-04	5.09E-08	1.29E-09	1.42E-04	5.37E-08	1.36E-09	3.39E-07	1.78E-07
4668	477863.09, 3860377.25	0.0026083	9.86E-07	3.87E-07	1.36E-03	5.15E-07	2.02E-07	1.44E-04	5.45E-08	1.38E-09	1.53E-04	5.80E-08	1.47E-09	3.88E-07	2.02E-07
4669	478363.09, 3860377.25	0.0035091	1.33E-06	5.21E-07	1.82E-03	6.87E-07	2.70E-07	1.69E-04	6.40E-08	1.62E-09	1.84E-04	6.97E-08	1.76E-09	5.21E-07	2.70E-07
4670	478863.09, 3860377.25	0.0039784	1.50E-06	5.91E-07	2.06E-03	7.80E-07	3.07E-07	1.97E-04	7.46E-08	1.89E-09	2.12E-04	8.02E-08	2.03E-09	5.91E-07	3.07E-07
4671	479363.09, 3860377.25	0.0043468	1.64E-06	6.46E-07	2.26E-03	8.56E-07	3.36E-07	2.30E-04	8.71E-08	2.20E-09	2.42E-04	9.13E-08	2.31E-09	6.46E-07	3.36E-07
4672	479863.09, 3860377.25	0.0044761	1.69E-06	6.65E-07	2.35E-03	8.87E-07	3.48E-07	2.58E-04	9.77E-08	2.47E-09	2.64E-04	1.00E-07	2.53E-09	6.65E-07	3.48E-07
4673	480363.09, 3860377.25	0.0045651	1.73E-06	6.78E-07	2.40E-03	9.09E-07	3.57E-07	2.80E-04	1.06E-07	2.68E-09	2.81E-04	1.06E-07	2.69E-09	6.78E-07	3.57E-07
4674	480863.09, 3860377.25	0.004676	1.77E-06	6.95E-07	2.47E-03	9.34E-07	3.67E-07	2.99E-04	1.13E-07	2.86E-09	2.95E-04	1.12E-07	2.83E-09	6.95E-07	3.67E-07
4675	481363.09, 3860377.25	0.0048447	1.83E-06	7.20E-07	2.56E-03	9.67E-07	3.80E-07	3.10E-04	1.17E-07	2.97E-09	3.07E-04	1.16E-07	2.94E-09	7.20E-07	3.80E-07
4676	481863.09, 3860377.25	0.0050243	1.90E-06	7.46E-07	2.66E-03	1.00E-06	3.95E-07	3.29E-04	1.24E-07	3.15E-09	3.23E-04	1.22E-07	3.09E-09	7.46E-07	3.95E-07
4677	482363.09, 3860377.25	0.0052706	1.99E-06	7.83E-07	2.79E-03	1.05E-06	4.14E-07	3.45E-04	1.30E-07	3.30E-09	3.36E-04	1.27E-07	3.22E-09	7.83E-07	4.14E-07
4678	482863.09, 3860377.25	0.0055005	2.08E-06	8.17E-07	2.91E-03	1.10E-06	4.32E-07	3.57E-04	1.35E-07	3.42E-09	3.49E-04	1.32E-07	3.34E-09	8.17E-07	4.32E-07
4679	483363.09, 3860377.25	0.0056732	2.14E-06	8.43E-07	3.01E-03	1.14E-06	4.47E-07	3.79E-04	1.43E-07	3.63E-09	3.67E-04	1.39E-07	3.51E-09	8.43E-07	4.46E-07
4680	483863.09, 3860377.25	0.0059459	2.25E-06	8.83E-07	3.15E-03	1.19E-06	4.68E-07	3.96E-04	1.50E-07	3.79E-09	3.84E-04	1.45E-07	3.67E-09	8.83E-07	4.68E-07
4681	484363.09, 3860377.25	0.006137	2.32E-06	9.12E-07	3.26E-03	1.23E-06	4.84E-07	4.21E-04	1.59E-07	4.03E-09	4.03E-04	1.52E-07	3.86E-09	9.11E-07	4.84E-07
4682	484863.09, 3860377.25	0.0066113	2.50E-06	9.82E-07	3.50E-03	1.32E-06	5.20E-07	4.42E-04	1.67E-07	4.23E-09	4.24E-04	1.60E-07	4.06E-09	9.82E-07	5.20E-07
4683	485363.09, 3860377.25	0.0073186	2.77E-06	1.09E-06	3.86E-03	1.46E-06	5.74E-07	4.67E-04	1.76E-07	4.47E-09	4.49E-04	1.70E-07	4.29E-09	1.09E-06	5.74E-07
4684	485863.09, 3860377.25	0.0084845	3.21E-06	1.26E-06	4.46E-03	1.68E-06	6.62E-07	5.04E-04	1.91E-07	4.82E-09	4.83E-04	1.83E-07	4.62E-09	1.26E-06	6.62E-07
4685	486363.09, 3860377.25	0.0100713	3.81E-06	1.50E-06	5.26E-03	1.99E-06	7.81E-07	5.50E-04	2.08E-07	5.26E-09	5.26E-04	1.99E-07	5.03E-09	1.50E-06	7.81E-07
4686	486863.09, 3860377.25	0.0128887	4.87E-06	1.91E-06	6.66E-03	2.52E-06	9.89E-07	6.00E-04	2.27E-07	5.74E-09	5.75E-04	2.17E-07	5.50E-09	1.91E-06	9.89E-07
4687	487363.09, 3860377.25	0.0219926	8.32E-06	3.27E-06	1.11E-02	4.21E-06	1.65E-06	6.61E-04	2.50E-07	6.32E-09	6.33E-04	2.39E-07	6.06E-09	3.27E-06	1.65E-06
4688	487863.09, 3860377.25	0.1150556	4.35E-05	1.71E-05	5.65E-02	2.14E-05	8.39E-06	7.43E-04	2.81E-07	7.10E-09	7.18E-04	2.72E-07	6.87E-09	1.71E-05	8.39E-06
4689	488363.09, 3860377.25	0.1448612	5.48E-05	2.15E-05	7.11E-02	2.69E-05	1.06E-05	8.35E-04	3.16E-07	7.99E-09	8.21E-04	3.10E-07	7.85E-09	2.15E-05	1.06E-05
4690	488863.09, 3860377.25	0.1501825	5.68E-05	2.23E-05	7.37E-02	2.79E-05	1.09E-05	9.57E-04	3.62E-07	9.16E-09	9.58E-04	3.62E-07	9.17E-09	2.23E-05	1.09E-05
4691	489363.09, 3860377.25	0.0716135	2.71E-05	1.06E-05	3.56E-02	1.35E-05	5.29E-06	1.12E-03	4.25E-07	1.08E-08	1.14E-03	4.30E-07	1.09E-08	1.06E-05	5.29E-06
4692	489863.09, 3860377.25	0.037714	1.43E-05	5.60E-06	1.92E-02	7.27E-06	2.86E-06	1.35E-03	5.12E-07	1.29E-08	1.38E-03	5.21E-07	1.32E-08	5.60E-06	2.86E-06
4693	490363.09, 3860377.25	0.0279442	1.06E-05	4.15E-06	1.47E-02	5.57E-06	2.19E-06	1.74E-03	6.56E-07	1.66E-08	1.78E-03	6.71E-07	1.70E-08	4.15E-06	2.19E-06
4694	490863.09, 3860377.25	0.0251132	9.49E-06	3.73E-06	1.39E-02	5.26E-06	2.07E-06	2.63E-03	9.93E-07	2.51E-08	2.70E-03	1.02E-06	2.58E-08	3.73E-06	2.07E-06
4695	491363.09, 3860377.25	0.0347155	1.31E-05	5.16E-06	2.20E-02	8.32E-06	3.27E-06	7.93E-03	3.00E-06	7.59E-08	8.07E-03	3.05E-06	7.72E-08	5.16E-06	3.27E-06
4696	491863.09, 3860377.25	0.0495978	1.88E-05	7.37E-06	3.29E-02	1.24E-05	4.89E-06	1.36E-02	5.14E-06	1.30E-07	1.46E-02	5.52E-06	1.40E-07	7.38E-06	4.90E-06

4697	492363.09, 3860377.25	0.0260635	9.85E-06	3.87E-06	1.62E-02	6.13E-06	2.41E-06	5.47E-03	2.07E-06	5.23E-08	5.77E-03	2.18E-06	5.52E-08	3.87E-06	2.41E-06
4698	492863.09, 3860377.25	0.0218473	8.26E-06	3.25E-06	1.30E-02	4.92E-06	1.93E-06	3.68E-03	1.39E-06	3.52E-08	3.83E-03	1.45E-06	3.67E-08	3.25E-06	1.93E-06
4699	493363.09, 3860377.25	0.0174208	6.59E-06	2.59E-06	1.02E-02	3.85E-06	1.51E-06	2.66E-03	1.00E-06	2.54E-08	2.76E-03	1.04E-06	2.64E-08	2.59E-06	1.52E-06
4700	493863.09, 3860377.25	0.0154826	5.85E-06	2.30E-06	9.01E-03	3.41E-06	1.34E-06	2.28E-03	8.62E-07	2.18E-08	2.36E-03	8.91E-07	2.25E-08	2.30E-06	1.34E-06
4701	494363.09, 3860377.25	0.0141769	5.36E-06	2.11E-06	8.13E-03	3.07E-06	1.21E-06	1.91E-03	7.21E-07	1.83E-08	1.96E-03	7.42E-07	1.88E-08	2.11E-06	1.21E-06
4702	494863.09, 3860377.25	0.0129772	4.91E-06	1.93E-06	7.45E-03	2.82E-06	1.11E-06	1.76E-03	6.65E-07	1.68E-08	1.80E-03	6.81E-07	1.72E-08	1.93E-06	1.11E-06
4703	495363.09, 3860377.25	0.0121975	4.61E-06	1.81E-06	6.94E-03	2.62E-06	1.03E-06	1.55E-03	5.87E-07	1.48E-08	1.59E-03	6.01E-07	1.52E-08	1.81E-06	1.03E-06
4704	495863.09, 3860377.25	0.0116248	4.40E-06	1.73E-06	6.51E-03	2.46E-06	9.67E-07	1.32E-03	4.98E-07	1.26E-08	1.35E-03	5.09E-07	1.29E-08	1.73E-06	9.67E-07
4705	496363.09, 3860377.25	0.0110515	4.18E-06	1.64E-06	6.12E-03	2.31E-06	9.09E-07	1.15E-03	4.34E-07	1.10E-08	1.18E-03	4.45E-07	1.13E-08	1.64E-06	9.09E-07
4706	496863.09, 3860377.25	0.0104814	3.96E-06	1.56E-06	5.77E-03	2.18E-06	8.57E-07	1.04E-03	3.92E-07	9.92E-09	1.07E-03	4.04E-07	1.02E-08	1.56E-06	8.57E-07
4707	497363.09, 3860377.25	0.0097852	3.70E-06	1.45E-06	5.36E-03	2.03E-06	7.96E-07	9.24E-04	3.49E-07	8.84E-09	9.57E-04	3.62E-07	9.15E-09	1.45E-06	7.96E-07
4708	497863.09, 3860377.25	0.0096109	3.63E-06	1.43E-06	5.31E-03	2.01E-06	7.89E-07	9.81E-04	3.71E-07	9.38E-09	1.01E-03	3.82E-07	9.66E-09	1.43E-06	7.89E-07
4709	498363.09, 3860377.25	0.0091795	3.47E-06	1.36E-06	5.14E-03	1.94E-06	7.64E-07	1.05E-03	3.96E-07	1.00E-08	1.07E-03	4.05E-07	1.03E-08	1.36E-06	7.64E-07
4710	471363.09, 3860877.25	0.0022319	8.44E-07	3.32E-07	1.19E-03	4.52E-07	1.77E-07	1.68E-04	6.34E-08	1.60E-09	1.73E-04	6.54E-08	1.66E-09	3.32E-07	1.77E-07
4711	471863.09, 3860877.25	0.0022922	8.67E-07	3.40E-07	1.23E-03	4.64E-07	1.82E-07	1.71E-04	6.46E-08	1.63E-09	1.76E-04	6.67E-08	1.69E-09	3.41E-07	1.82E-07
4712	472363.09, 3860877.25	0.002368	8.95E-07	3.52E-07	1.27E-03	4.79E-07	1.88E-07	1.75E-04	6.63E-08	1.68E-09	1.80E-04	6.79E-08	1.72E-09	3.52E-07	1.88E-07
4713	472863.09, 3860877.25	0.0024557	9.28E-07	3.65E-07	1.31E-03	4.96E-07	1.95E-07	1.79E-04	6.75E-08	1.71E-09	1.84E-04	6.97E-08	1.76E-09	3.65E-07	1.95E-07
4714	473363.09, 3860877.25	0.0025452	9.62E-07	3.78E-07	1.36E-03	5.13E-07	2.02E-07	1.83E-04	6.93E-08	1.75E-09	1.88E-04	7.10E-08	1.80E-09	3.78E-07	2.02E-07
4715	473863.09, 3860877.25	0.002646	1.00E-06	3.93E-07	1.41E-03	5.32E-07	2.09E-07	1.86E-04	7.05E-08	1.78E-09	1.91E-04	7.22E-08	1.83E-09	3.93E-07	2.09E-07
4716	474363.09, 3860877.25	0.0027596	1.04E-06	4.10E-07	1.47E-03	5.54E-07	2.18E-07	1.90E-04	7.17E-08	1.81E-09	1.94E-04	7.34E-08	1.86E-09	4.10E-07	2.18E-07
4717	474863.09, 3860877.25	0.0028731	1.09E-06	4.27E-07	1.52E-03	5.76E-07	2.26E-07	1.93E-04	7.28E-08	1.84E-09	1.98E-04	7.47E-08	1.89E-09	4.27E-07	2.26E-07
4718	475363.09, 3860877.25	0.0030066	1.14E-06	4.47E-07	1.59E-03	6.00E-07	2.36E-07	1.91E-04	7.23E-08	1.83E-09	1.98E-04	7.47E-08	1.89E-09	4.47E-07	2.36E-07
4719	475863.09, 3860877.25	0.0031218	1.18E-06	4.64E-07	1.64E-03	6.20E-07	2.44E-07	1.86E-04	7.05E-08	1.78E-09	1.96E-04	7.41E-08	1.87E-09	4.64E-07	2.44E-07
4720	476363.09, 3860877.25	0.0031625	1.20E-06	4.70E-07	1.65E-03	6.25E-07	2.46E-07	1.77E-04	6.69E-08	1.69E-09	1.89E-04	7.16E-08	1.81E-09	4.70E-07	2.46E-07
4721	476863.09, 3860877.25	0.0032268	1.22E-06	4.79E-07	1.68E-03	6.36E-07	2.50E-07	1.74E-04	6.57E-08	1.66E-09	1.86E-04	7.04E-08	1.78E-09	4.79E-07	2.50E-07
4722	477363.09, 3860877.25	0.0033402	1.26E-06	4.96E-07	1.74E-03	6.58E-07	2.58E-07	1.75E-04	6.63E-08	1.68E-09	1.89E-04	7.16E-08	1.81E-09	4.96E-07	2.58E-07
4723	477863.09, 3860877.25	0.0033297	1.26E-06	4.95E-07	1.73E-03	6.54E-07	2.57E-07	1.68E-04	6.34E-08	1.60E-09	1.81E-04	6.85E-08	1.73E-09	4.95E-07	2.57E-07
4724	478363.09, 3860877.25	0.0027929	1.06E-06	4.15E-07	1.45E-03	5.50E-07	2.16E-07	1.47E-04	5.57E-08	1.41E-09	1.57E-04	5.92E-08	1.50E-09	4.15E-07	2.16E-07
4725	478863.09, 3860877.25	0.00372	1.41E-06	5.53E-07	1.93E-03	7.30E-07	2.87E-07	1.86E-04	7.05E-08	1.78E-09	2.01E-04	7.59E-08	1.92E-09	5.53E-07	2.87E-07
4726	479363.09, 3860877.25	0.0040356	1.53E-06	5.99E-07	2.11E-03	7.97E-07	3.13E-07	2.21E-04	8.35E-08	2.11E-09	2.30E-04	8.70E-08	2.20E-09	6.00E-07	3.13E-07
4727	479863.09, 3860877.25	0.0041004	1.55E-06	6.09E-07	2.15E-03	8.15E-07	3.20E-07	2.46E-04	9.30E-08	2.35E-09	2.51E-04	9.50E-08	2.40E-09	6.09E-07	3.20E-07
4728	480363.09, 3860877.25	0.0041445	1.57E-06	6.16E-07	2.19E-03	8.28E-07	3.25E-07	2.66E-04	1.01E-07	2.55E-09	2.68E-04	1.01E-07	2.56E-09	6.16E-07	3.25E-07
4729	480863.09, 3860877.25	0.0042323	1.60E-06	6.29E-07	2.24E-03	8.47E-07	3.33E-07	2.79E-04	1.05E-07	2.67E-09	2.77E-04	1.05E-07	2.65E-09	6.29E-07	3.33E-07
4730	481363.09, 3860877.25	0.0043488	1.64E-06	6.46E-07	2.30E-03	8.71E-07	3.42E-07	2.91E-04	1.10E-07	2.79E-09	2.91E-04	1.10E-07	2.78E-09	6.46E-07	3.42E-07
4731	481863.09, 3860877.25	0.0045232	1.71E-06	6.72E-07	2.40E-03	9.07E-07	3.56E-07	3.05E-04	1.15E-07	2.92E-09	3.02E-04	1.14E-07	2.89E-09	6.72E-07	3.56E-07
4732	482363.09, 3860877.25	0.0046842	1.77E-06	6.96E-07	2.49E-03	9.40E-07	3.69E-07	3.20E-04	1.21E-07	3.06E-09	3.13E-04	1.18E-07	3.00E-09	6.96E-07	3.69E-07
4733	482863.09, 3860877.25	0.0048544	1.84E-06	7.21E-07	2.58E-03	9.74E-07	3.83E-07	3.31E-04	1.25E-07	3.16E-09	3.25E-04	1.23E-07	3.11E-09	7.21E-07	3.83E-07
4734	483363.09, 3860877.25	0.0050407	1.91E-06	7.49E-07	2.68E-03	1.01E-06	3.98E-07	3.46E-04	1.31E-07	3.31E-09	3.40E-04	1.28E-07	3.25E-09	7.49E-07	3.98E-07
4735	483863.09, 3860877.25	0.0052243	1.98E-06	7.76E-07	2.78E-03	1.05E-06	4.13E-07	3.63E-04	1.37E-07	3.48E-09	3.56E-04	1.35E-07	3.40E-09	7.76E-07	4.12E-07
4736	484363.09, 3860877.25	0.0053684	2.03E-06	7.97E-07	2.86E-03	1.08E-06	4.25E-07	3.84E-04	1.45E-07	3.67E-09	3.74E-04	1.41E-07	3.58E-09	7.97E-07	4.25E-07
4737	484863.09, 3860877.25	0.0055802	2.11E-06	8.29E-07	2.97E-03	1.12E-06	4.42E-07	3.99E-04	1.51E-07	3.82E-09	3.90E-04	1.47E-07	3.73E-09	8.29E-07	4.42E-07
4738	485363.09, 3860877.25	0.0059983	2.27E-06	8.91E-07	3.19E-03	1.21E-06	4.74E-07	4.18E-04	1.58E-07	4.00E-09	4.11E-04	1.56E-07	3.93E-09	8.91E-07	4.74E-07
4739	485863.09, 3860877.25	0.0066545	2.52E-06	9.88E-07	3.53E-03	1.33E-06	5.24E-07	4.46E-04	1.69E-07	4.27E-09	4.39E-04	1.66E-07	4.20E-09	9.88E-07	5.24E-07
4740	486363.09, 3860877.25	0.0074884	2.83E-06	1.11E-06	3.95E-03	1.49E-06	5.87E-07	4.78E-04	1.81E-07	4.57E-09	4.68E-04	1.77E-07	4.48E-09	1.11E-06	5.87E-07
4741	486863.09, 3860877.25	0.0086829	3.28E-06	1.29E-06	4.56E-03	1.72E-06	6.77E-07	5.15E-04	1.95E-07	4.93E-09	5.04E-04	1.91E-07	4.82E-09	1.29E-06	6.77E-07
4742	487363.09, 3860877.25	0.0104887	3.97E-06	1.56E-06	5.46E-03	2.07E-06	8.11E-07	5.55E-04	2.10E-07	5.30E-09	5.42E-04	2.05E-07	5.18E-09	1.56E-06	8.11E-07
4743	487863.09, 3860877.25	0.0127881	4.83E-06	1.90E-06	6.61E-03	2.50E-06	9.82E-07	6.03E-04	2.28E-07	5.77E-09	5.89E-04	2.23E-07	5.64E-09	1.90E-06	9.82E-07
4744	488363.09, 3860877.25	0.0162894	6.16E-06	2.42E-06	8.36E-03	3.16E-06	1.24E-06	6.64E-04	2.51E-07	6.35E-09	6.55E-04	2.47E-07	6.26E-09	2.42E-06	1.24E-06
4745	488863.09, 3860877.25	0.0172842	6.53E-06	2.57E-06	8.88E-03	3.36E-06	1.32E-06	7.24E-04	2.74E-07	6.92E-09	7.25E-04	2.74E-07	6.93E-09	2.57E-06	1.32E-06
4746	489363.09, 3860877.25	0.0180193	6.81E-06	2.68E-06	9.29E-03	3.51E-06	1.38E-06	8.08E-04	3.06E-07	7.73E-09	8.23E-04	3.11E-07	7.87E-09	2.68E-06	1.38E-06
4747	489863.09, 3860877.25	0.0162175	6.13E-06	2.41E-06	8.49E-03	3.21E-06	1.26E-06	9.29E-04	3.51E-07	8.89E-09	9.52E-04	3.60E-07	9.10E-09	2.41E-06	1.26E-06
4748	490363.09, 3860877.25	0.0147709	5.58E-06	2.19E-06	7.91E-03	2.99E-06	1.18E-06	1.12E-03	4.23E-07	1.07E-08	1.14E-03	4.33E-07	1.09E-08	2.19E-06	1.18E-06
4749	490863.09, 3860877.25	0.0139642	5.28E-06	2.07E-06	7.72E-03	2.92E-06	1.15E-06	1.44E-03	5.43E-07	1.37E-08	1.48E-03	5.58E-07	1.41E-08	2.07E-06	1.15E-06
4750	491363.09, 3860877.25	0.0136857	5.17E-06	2.03E-06	8.00E-03	3.02E-06	1.19E-06	2.07E-03	7.82E-07	1.98E-08	2.13E-03	8.05E-07	2.04E-08	2.03E-06	1.19E-06
4751	491863.09, 3860877.25	0.0161981	6.12E-06	2.41E-06	1.08E-02	4.08E-06	1.60E-06	4.50E-03	1.70E-06	4.31E-08	4.63E-03	1.75E-06	4.43E-08	2.41E-06	1.60E-06
4752	492363.09, 3860877.25	0.0401753	1.52E-05	5.97E-06	3.51E-02	1.33E-05	5.22E-06	2.41E-02	9.12E-06	2.31E-07	2.53E-02	9.58E-06	2.42E-07	5.98E-06	5.23E-06
4753	492863.09, 3860877.25	0.0182677	6.91E-06	2.71E-06	1.35E-02	5.09E-06	2.00E-06	7.09E-03	2.68E-06	6.78E-08	7.42E-03	2.81E-06	7.10E-08	2.72E-06	2.00E-06
4754	493363.09, 3860877.25	0.014724	5.57E-06	2.19E-06	1.01E-02	3.80E-06	1.49E-06	4.47E-03	1.69E-06	4.28E-08	4.67E-03	1.77E-06	4.47E-08	2.19E-06	1.50E-06
4755	493863.09, 3860877.25	0.0130883	4.95E-06	1.94E-06	8.63E-03	3.26E-06	1.28E-06	3.50E-03	1.32E-06	3.35E-08	3.64E-03	1.38E-06	3.48E-08	1.95E-06	1.28E-06
4756	494363.09, 3860877.25	0.0120116	4.54E-06	1.78E-06	7.75E-03	2.93E-06	1.15E-06	2.95E-03	1.11E-06	2.82E-08	3.06E-03	1.16E-06	2.92E-08	1.79E-06	1.15E-06
4757	494863.09, 3860877.25	0.0111963	4.23E-06	1.66E-06	7.08E-03	2.68E-06	1.05E-06	2.52E-03	9.54E-07	2.41E-08	2.61E-03	9.89E-07	2.50E-08	1.66E-06	1.05E-06
4758	495363.09, 3860877.25	0.0105548	3.99E-06	1.57E-06	6.56E-03	2.48E-06	9.75E-07	2.21E-03	8.34E-07	2.11E-08	2.28E-03	8.63E-07	2.18E-08	1.57E-06	9.75E-07
4759	495863.09, 3860877.25	0.0100299	3.79E-06	1.49E-06	6.17E-03	2.33E-06	9.17E-07	2.00E-03	7.56E-07	1.91E-08	2.06E-03	7.81E-07	1.98E-08	1.49E-06	9.17E-07
4760	496363.09, 3860877.25	0.0095976	3.63E-06	1.43E-06	5.78E-03	2.18E-06	8.58E-07	1.71E-03	6.47E-07	1.64E-08	1.76E-03	6.67E-07	1.69E-08	1.43E-06	8.58E-07
4761	496863.09, 3860877.25	0.0092334	3.49E-06	1.37E-06	5.39E-03	2.04E-06	8.01E-07	1.39E-03	5.27E-07	1.33E-08	1.44E-03	5.43E-07	1.37E-08	1.37E-06	8.02E-07
4762	497363.09, 3860877.25	0.0088896	3.36E-06	1.32E-06	5.17E-03	1.96E-06	7.68E-07	1.31E-03	4.95E-07	1.25E-08	1.35E-03	5.09E-07	1.29E-08	1.32E-06	7.68E-07
4763	497863.09, 3860877.25	0.0085545	3.23E-06	1.27E-06	4.94E-03	1.87E-06	7.33E-07	1.20E-03	4.53E-07	1.15E-08	1.23E-03	4.67E-07	1.18E-08	1.27E-06	7.34E-07
4764	498363.09, 3860877.25	0.0082435	3.12E-06	1.22E-06	4.79E-03	1.81E-06	7.12E-07	1.21E-03	4.58E-07	1.16E-08	1.25E-03	4.71E-07	1.19E-08	1.22E-06	7.12E-07
4765	471363.09, 3861377.25	0.0021733	8.22E-07	3.23E-07	1.16E-03	4.40E-07	1.73E-07	1.64E-04	6.22E-08	1.57E-09	1.70E-04	6.42E-08	1.62E-09	3.23E-07	1.73E-07
4766	471863.09, 3861377.25	0.0022468	8.49E-07	3.34E-07	1.20E-03	4.54E-07	1.79E-07	1.68E-04	6.34E-08	1.60E-09	1.73E-04	6.54E-08	1.66E-09	3.34E-07	1.79E-07
4767	472363.09, 3861377.25	0.00232	8.77E-07	3.45E-07	1.24E-03	4.69E-07	1.84E-07	1.71E-04	6.46E-08	1.63E-09	1.76E-04	6.67E-08	1.69E-09	3.45E-07	1.84E-07
4768	472863.09, 3861377.25	0.0023952	9.06E-07	3.56E-07	1.28E-03	4.84E-07	1.90E-07	1.75E-04	6.63E-08	1.68E-09	1.80E-04	6.79E-08	1.72E-09	3.56E-07	1.90E-07
4769	473363.09, 3861377.25	0.0024813	9.38E-07	3.69E-07	1.32E-03	5.00E-07	1.97E-07	1.79E-04	6.75E-08	1.71E-09	1.83E-04	6.91E-08	1.75E-09	3.69E-07	1.97E-07
4770	473863.09, 3861377.25	0.0025802	9.76E-07	3.83E-07	1.37E-03	5.19E-07	2.04E-07	1.82E-04	6.87E-08	1.74E-09	1.86E-04	7.04E-08	1.78E-09	3.83E-07	2.04E-07
4771	474363.09, 3861377.25	0.0026536	1.00E-06	3.94E-07	1.41E-03	5.33E-07	2.10E-07	1.85E-04	6.99E-08	1.77E-09	1.89E-04	7.16E-08	1.81E-09	3.94E-07	2.10E-07
4772	474863.09, 3861377.25	0.0027522	1.04E-06	4.09E-07	1.46E-03	5.52E-07	2.17E-07	1.88E-04	7.11E-08	1.80E-09	1.93E-04	7.28E-08	1.84E-09	4.09E-07	2.17E-07
4773	475363.09, 3861377.25	0.0028415	1.07E-06	4.22E-07	1.51E-03	5.70E-07	2.24E-07	1.93E-04	7.28E-08	1.84E-09	1.96E-04	7.41E-08	1.87E-09	4.22E-07	2.24E-07
4774	475863.09, 3861377.25	0.0029539	1.12E-06	4.39E-07	1.56E-03	5.91E-07	2.32E-07	1.94E-04	7.34E-08	1.86E-09	1.99E-04	7.53E-08	1.90E-09	4.39E-07	2.32E-07
4775	476363.09, 3861377.25	0.0030769	1.16E-06	4.57E-07	1.62E-03	6.13E-07	2.41E-07	1.93E-04	7.28E-08	1.84E-09	1.99E-04	7.53E-08	1.90E-09	4.57E-07	2.41E-07
4776	476863.09, 3861377.25	0.0031875	1.21E-06	4.73E-07	1.67E-03	6.33E-07	2.49E-07	1.91E-04	7.23E-08	1.83E-09	1.99E-04	7.53E-08	1.90E-09	4.74E-07	2.49E-07
4777	477363.09, 3861377.25	0.0032868	1.24E-06	4.88E-07	1.72E-03	6.52E-07	2.56E-07	1.91E-04	7.23E-08	1.83E-09	2.01E-04	7.59E-08	1.92E-09	4.88E-07	2.56E-07
4778	477863.09, 3861377.25	0.0032804	1.24E-06	4.87E-07	1.71E-03	6.47E-07	2.54E-07	1.77E-04	6.69E-08	1.69E-09	1.89E-04	7.16E-08	1.81E-09	4.87E-07	2.54E-07
4779	478363.09, 3861377.25	0.0029052	1.10E-06	4.32E-07	1.51E-03	5.71E-07	2.24E-07	1.49E-04	5.63E-08	1.42E-09	1.60E-04	6.05E-08	1.53E-09	4.32E-07	2.24E-07
4780	478863.09, 3861377.25	0.0031964	1.21E-06	4.75E-07	1.66E-03	6.27E-07	2.46E-07	1.60E-04	6.04E-08	1.53E-09	1.73E-04	6.54E-08	1.66E-09	4.75E-07	2.47E-07
4781	479363.09, 3861377.25	0.0037052	1.40E-06	5.50E-07	1.94E-03	7.32E-07	2.88E-07	2.05E-04	7.76E-08	1.96E-09	2.17E-04	8.21E-08	2.08E-09	5.50E-07	2.88E-07
4782	479863.09, 3861377.25	0.0037454	1.42E-06	5.56E-07	1.97E-03	7.46E-07	2.93E-07	2.32E-04	8.77E-08	2.22E-09	2.38E-04	9.01E-08	2.28E-09	5.56E-07	2.93E-07
4783	480363.09, 3861377.25	0.0037651	1.42E-06	5.59E-07	2.00E-03	7.54E-07	2.96E-07	2.52E-04	9.54E-08	2.41E-09	2.55E-04	9.63E-08	2.44E-09	5.59E-07	2.96E-07
4784	480863.09, 3861377.25	0.0038405	1.45E-06	5.70E-07	2.04E-03	7.71E-07	3.03E-07	2.65E-04	1.00E-07	2.53E-09	2.64E-04	1.00E-07	2.53E-09	5.70E-07	3.03E-07
4785	481363.09, 3861377.25	0.0039142	1.48E-06	5.81E-07	2.08E-03	7.88E-07	3.09E-07	2.76E-04	1.04E-07	2.64E-09	2.74E-04	1.04E-07	2.62E-09	5.81E-07	3.09E-07
4786	481863.09, 3861377.25	0.0040442	1.53E-06	6.01E-07	2.15E-03	8.15E-07	3.20E-07	2.88E-04	1.09E-07	2.76E-09	2.84E-04	1.07E-07	2.72E-09	6.01E-07	3.20E-07
4787	482363.09, 3861377.25	0.0041849	1.58E-06	6.22E-07	2.23E-03	8.43E-07	3.31E-07	2.99E-04	1.13E-07	2.86E-09	2.94E-04	1.11E-07	2.81E-09	6.22E-07	3.31E-07
4788	482863.09, 3861377.25	0.0042916	1.62E-06	6.37E-07	2.29E-03	8.65E-07	3.40E-07	3.07E-04	1.16E-07	2.94E-09	3.04E-04	1.15E-07	2.90E-09	6.37E-07	3.40E-07
4789	483363.09, 3861377.25	0.0044142	1.67E-06	6.56E-07	2.35E-03	8.90E-07	3.50E-07	3.20E-04	1.21E-07	3.06E-09	3.15E-04	1.19E-07	3.01E-09	6.56E-07	3.50E-07
4790	483863.09, 3861377.25	0.0045074	1.70E-06	6.69E-07	2.41E-03	9.11E-07	3.58E-07	3.32E-04	1.26E-07	3.18E-09	3.28E-04	1.24E-07	3.14E-09	6.69E-07	3.58E-07

4791	484363.09, 3861377.25	0.0046489	1.76E-06	6.91E-07	2.49E-03	9.40E-07	3.69E-07	3.46E-04	1.31E-07	3.31E-09	3.43E-04	1.30E-07	3.28E-09	6.90E-07	3.69E-07
4792	484863.09, 3861377.25	0.0046888	1.77E-06	6.96E-07	2.51E-03	9.51E-07	3.74E-07	3.60E-04	1.36E-07	3.45E-09	3.57E-04	1.35E-07	3.42E-09	6.96E-07	3.74E-07
4793	485363.09, 3861377.25	0.0047795	1.81E-06	7.10E-07	2.57E-03	9.71E-07	3.81E-07	3.73E-04	1.41E-07	3.57E-09	3.71E-04	1.40E-07	3.54E-09	7.10E-07	3.81E-07
4794	485863.09, 3861377.25	0.0050013	1.89E-06	7.43E-07	2.69E-03	1.02E-06	3.99E-07	3.90E-04	1.47E-07	3.73E-09	3.90E-04	1.47E-07	3.73E-09	7.43E-07	3.99E-07
4795	486363.09, 3861377.25	0.0053365	2.02E-06	7.93E-07	2.87E-03	1.08E-06	4.26E-07	4.15E-04	1.57E-07	3.97E-09	4.13E-04	1.56E-07	3.95E-09	7.93E-07	4.26E-07
4796	486863.09, 3861377.25	0.0057591	2.18E-06	8.55E-07	3.09E-03	1.17E-06	4.59E-07	4.45E-04	1.68E-07	4.26E-09	4.41E-04	1.67E-07	4.22E-09	8.55E-07	4.59E-07
4797	487363.09, 3861377.25	0.0060025	2.27E-06	8.92E-07	3.23E-03	1.22E-06	4.80E-07	4.76E-04	1.80E-07	4.56E-09	4.70E-04	1.78E-07	4.50E-09	8.92E-07	4.80E-07
4798	487863.09, 3861377.25	0.0059129	2.24E-06	8.78E-07	3.21E-03	1.21E-06	4.76E-07	5.11E-04	1.93E-07	4.88E-09	5.04E-04	1.91E-07	4.82E-09	8.78E-07	4.76E-07
4799	488363.09, 3861377.25	0.0063009	2.38E-06	9.36E-07	3.42E-03	1.29E-06	5.08E-07	5.51E-04	2.08E-07	5.27E-09	5.44E-04	2.06E-07	5.20E-09	9.36E-07	5.08E-07
4800	488863.09, 3861377.25	0.0069716	2.64E-06	1.04E-06	3.78E-03	1.43E-06	5.61E-07	5.97E-04	2.26E-07	5.71E-09	5.96E-04	2.25E-07	5.70E-09	1.04E-06	5.61E-07
4801	489363.09, 3861377.25	0.008098	3.06E-06	1.20E-06	4.36E-03	1.65E-06	6.47E-07	6.45E-04	2.44E-07	6.17E-09	6.55E-04	2.47E-07	6.26E-09	1.20E-06	6.47E-07
4802	489863.09, 3861377.25	0.0079819	3.02E-06	1.19E-06	4.35E-03	1.64E-06	6.45E-07	7.13E-04	2.69E-07	6.82E-09	7.35E-04	2.78E-07	7.03E-09	1.19E-06	6.46E-07
4803	490363.09, 3861377.25	0.0079009	2.99E-06	1.17E-06	4.37E-03	1.65E-06	6.49E-07	8.15E-04	3.08E-07	7.79E-09	8.39E-04	3.17E-07	8.03E-09	1.17E-06	6.50E-07
4804	490863.09, 3861377.25	0.0079468	3.00E-06	1.18E-06	4.49E-03	1.70E-06	6.67E-07	9.63E-04	3.64E-07	9.22E-09	9.86E-04	3.73E-07	9.43E-09	1.18E-06	6.67E-07
4805	491363.09, 3861377.25	0.0081411	3.08E-06	1.21E-06	4.74E-03	1.79E-06	7.03E-07	1.20E-03	4.52E-07	1.14E-08	1.23E-03	4.67E-07	1.18E-08	1.21E-06	7.04E-07
4806	491863.09, 3861377.25	0.0086982	3.29E-06	1.29E-06	5.30E-03	2.00E-06	7.87E-07	1.65E-03	6.24E-07	1.58E-08	1.71E-03	6.48E-07	1.64E-08	1.29E-06	7.88E-07
4807	492363.09, 3861377.25	0.0102309	3.87E-06	1.52E-06	6.85E-03	2.59E-06	1.02E-06	2.90E-03	1.10E-06	2.78E-08	3.01E-03	1.14E-06	2.88E-08	1.52E-06	1.02E-06
4808	492863.09, 3861377.25	0.0190981	7.22E-06	2.84E-06	1.58E-02	5.98E-06	2.35E-06	1.01E-02	3.82E-06	9.65E-08	1.04E-02	3.95E-06	9.98E-08	2.84E-06	2.35E-06
4809	493363.09, 3861377.25	0.0631857	2.39E-05	9.39E-06	6.00E-02	2.27E-05	8.91E-06	4.53E-02	1.71E-05	4.33E-07	4.46E-02	1.69E-05	4.26E-07	9.38E-06	8.90E-06
4810	493863.09, 3861377.25	0.0230445	8.71E-06	3.42E-06	1.99E-02	7.53E-06	2.96E-06	1.35E-02	5.10E-06	1.29E-07	1.39E-02	5.24E-06	1.33E-07	3.43E-06	2.96E-06
4811	494363.09, 3861377.25	0.0157624	5.96E-06	2.34E-06	1.27E-02	4.80E-06	1.89E-06	7.80E-03	2.95E-06	7.46E-08	8.09E-03	3.06E-06	7.74E-08	2.34E-06	1.89E-06
4812	494863.09, 3861377.25	0.012743	4.82E-06	1.89E-06	9.74E-03	3.68E-06	1.45E-06	5.48E-03	2.07E-06	5.24E-08	5.70E-03	2.16E-06	5.45E-08	1.89E-06	1.45E-06
4813	495363.09, 3861377.25	0.0111236	4.21E-06	1.65E-06	8.18E-03	3.09E-06	1.21E-06	4.28E-03	1.62E-06	4.10E-08	4.46E-03	1.69E-06	4.27E-08	1.65E-06	1.22E-06
4814	495863.09, 3861377.25	0.0101116	3.82E-06	1.50E-06	7.23E-03	2.73E-06	1.07E-06	3.57E-03	1.35E-06	3.41E-08	3.72E-03	1.41E-06	3.56E-08	1.50E-06	1.07E-06
4815	496363.09, 3861377.25	0.0093136	3.52E-06	1.38E-06	6.44E-03	2.44E-06	9.57E-07	2.96E-03	1.12E-06	2.83E-08	3.08E-03	1.16E-06	2.95E-08	1.38E-06	9.58E-07
4816	496863.09, 3861377.25	0.0085902	3.25E-06	1.28E-06	5.68E-03	2.15E-06	8.43E-07	2.32E-03	8.76E-07	2.22E-08	2.41E-03	9.10E-07	2.30E-08	1.28E-06	8.44E-07
4817	497363.09, 3861377.25	0.0081922	3.10E-06	1.22E-06	5.30E-03	2.00E-06	7.87E-07	2.03E-03	7.68E-07	1.94E-08	2.11E-03	7.97E-07	2.02E-08	1.22E-06	7.88E-07
4818	497863.09, 3861377.25	0.0078552	2.97E-06	1.17E-06	4.99E-03	1.89E-06	7.41E-07	1.81E-03	6.83E-07	1.73E-08	1.87E-03	7.08E-07	1.79E-08	1.17E-06	7.42E-07
4819	498363.09, 3861377.25	0.0075625	2.86E-06	1.12E-06	4.72E-03	1.79E-06	7.02E-07	1.62E-03	6.11E-07	1.55E-08	1.67E-03	6.33E-07	1.60E-08	1.12E-06	7.02E-07
4820	471363.09, 3861877.25	0.0021109	7.98E-07	3.14E-07	1.13E-03	4.27E-07	1.68E-07	1.60E-04	6.04E-08	1.53E-09	1.65E-04	6.23E-08	1.58E-09	3.14E-07	1.68E-07
4821	471863.09, 3861877.25	0.0021833	8.25E-07	3.24E-07	1.17E-03	4.42E-07	1.73E-07	1.63E-04	6.16E-08	1.56E-09	1.66E-04	6.29E-08	1.59E-09	3.24E-07	1.73E-07
4822	472363.09, 3861877.25	0.0022418	8.48E-07	3.33E-07	1.20E-03	4.53E-07	1.78E-07	1.66E-04	6.28E-08	1.59E-09	1.70E-04	6.42E-08	1.62E-09	3.33E-07	1.78E-07
4823	472863.09, 3861877.25	0.0023162	8.76E-07	3.44E-07	1.24E-03	4.68E-07	1.84E-07	1.71E-04	6.46E-08	1.63E-09	1.73E-04	6.54E-08	1.66E-09	3.44E-07	1.84E-07
4824	473363.09, 3861877.25	0.0023885	9.03E-07	3.55E-07	1.27E-03	4.82E-07	1.89E-07	1.74E-04	6.57E-08	1.66E-09	1.76E-04	6.67E-08	1.69E-09	3.55E-07	1.89E-07
4825	473863.09, 3861877.25	0.0024615	9.31E-07	3.66E-07	1.31E-03	4.96E-07	1.95E-07	1.77E-04	6.69E-08	1.69E-09	1.80E-04	6.79E-08	1.72E-09	3.66E-07	1.95E-07
4826	474363.09, 3861877.25	0.0025354	9.59E-07	3.77E-07	1.35E-03	5.11E-07	2.01E-07	1.80E-04	6.81E-08	1.72E-09	1.83E-04	6.91E-08	1.75E-09	3.77E-07	2.01E-07
4827	474863.09, 3861877.25	0.0026231	9.92E-07	3.90E-07	1.40E-03	5.27E-07	2.07E-07	1.83E-04	6.93E-08	1.75E-09	1.86E-04	7.04E-08	1.78E-09	3.90E-07	2.07E-07
4828	475363.09, 3861877.25	0.0026981	1.02E-06	4.01E-07	1.43E-03	5.42E-07	2.13E-07	1.86E-04	7.05E-08	1.78E-09	1.89E-04	7.16E-08	1.81E-09	4.01E-07	2.13E-07
4829	475863.09, 3861877.25	0.002762	1.04E-06	4.10E-07	1.47E-03	5.55E-07	2.18E-07	1.91E-04	7.23E-08	1.83E-09	1.94E-04	7.34E-08	1.86E-09	4.10E-07	2.18E-07
4830	476363.09, 3861877.25	0.002837	1.07E-06	4.21E-07	1.51E-03	5.70E-07	2.24E-07	1.94E-04	7.34E-08	1.86E-09	1.98E-04	7.47E-08	1.89E-09	4.21E-07	2.24E-07
4831	476863.09, 3861877.25	0.0029376	1.11E-06	4.36E-07	1.56E-03	5.88E-07	2.31E-07	1.96E-04	7.40E-08	1.87E-09	2.01E-04	7.59E-08	1.92E-09	4.36E-07	2.31E-07
4832	477363.09, 3861877.25	0.0030339	1.15E-06	4.51E-07	1.60E-03	6.06E-07	2.38E-07	1.96E-04	7.40E-08	1.87E-09	2.01E-04	7.59E-08	1.92E-09	4.51E-07	2.38E-07
4833	477863.09, 3861877.25	0.0030543	1.15E-06	4.54E-07	1.60E-03	6.05E-07	2.37E-07	1.74E-04	6.57E-08	1.66E-09	1.84E-04	6.97E-08	1.76E-09	4.54E-07	2.38E-07
4834	478363.09, 3861877.25	0.0025178	9.52E-07	3.74E-07	1.31E-03	4.97E-07	1.95E-07	1.38E-04	5.21E-08	1.32E-09	1.47E-04	5.55E-08	1.41E-09	3.74E-07	1.95E-07
4835	478863.09, 3861877.25	0.0030739	1.16E-06	4.57E-07	1.60E-03	6.05E-07	2.38E-07	1.61E-04	6.10E-08	1.54E-09	1.75E-04	6.60E-08	1.67E-09	4.57E-07	2.38E-07
4836	479363.09, 3861877.25	0.0030553	1.16E-06	4.54E-07	1.59E-03	6.01E-07	2.36E-07	1.57E-04	5.92E-08	1.50E-09	1.71E-04	6.48E-08	1.64E-09	4.54E-07	2.36E-07
4837	479863.09, 3861877.25	0.0034429	1.30E-06	5.11E-07	1.82E-03	6.88E-07	2.70E-07	2.21E-04	8.35E-08	2.11E-09	2.27E-04	8.58E-08	2.17E-09	5.11E-07	2.70E-07
4838	480363.09, 3861877.25	0.0034208	1.29E-06	5.08E-07	1.82E-03	6.88E-07	2.70E-07	2.41E-04	9.12E-08	2.31E-09	2.43E-04	9.20E-08	2.33E-09	5.08E-07	2.70E-07
4839	480863.09, 3861877.25	0.0034773	1.31E-06	5.16E-07	1.85E-03	7.01E-07	2.75E-07	2.51E-04	9.48E-08	2.40E-09	2.51E-04	9.50E-08	2.40E-09	5.17E-07	2.75E-07
4840	481363.09, 3861877.25	0.0035061	1.33E-06	5.21E-07	1.87E-03	7.09E-07	2.78E-07	2.60E-04	9.83E-08	2.49E-09	2.60E-04	9.81E-08	2.48E-09	5.21E-07	2.78E-07
4841	481863.09, 3861877.25	0.0035908	1.36E-06	5.33E-07	1.92E-03	7.27E-07	2.86E-07	2.71E-04	1.02E-07	2.59E-09	2.69E-04	1.02E-07	2.58E-09	5.33E-07	2.86E-07
4842	482363.09, 3861877.25	0.0036847	1.39E-06	5.47E-07	1.97E-03	7.47E-07	2.93E-07	2.80E-04	1.06E-07	2.68E-09	2.77E-04	1.05E-07	2.65E-09	5.47E-07	2.93E-07
4843	482863.09, 3861877.25	0.0037583	1.42E-06	5.58E-07	2.01E-03	7.62E-07	2.99E-07	2.87E-04	1.08E-07	2.74E-09	2.86E-04	1.08E-07	2.73E-09	5.58E-07	2.99E-07
4844	483363.09, 3861877.25	0.0038087	1.44E-06	5.66E-07	2.05E-03	7.74E-07	3.04E-07	2.98E-04	1.13E-07	2.85E-09	2.95E-04	1.12E-07	2.83E-09	5.66E-07	3.04E-07
4845	483863.09, 3861877.25	0.0038198	1.44E-06	5.67E-07	2.06E-03	7.78E-07	3.06E-07	3.07E-04	1.16E-07	2.94E-09	3.05E-04	1.15E-07	2.92E-09	5.67E-07	3.06E-07
4846	484363.09, 3861877.25	0.0038144	1.44E-06	5.67E-07	2.06E-03	7.80E-07	3.06E-07	3.20E-04	1.21E-07	3.06E-09	3.18E-04	1.20E-07	3.04E-09	5.67E-07	3.06E-07
4847	484863.09, 3861877.25	0.0039079	1.48E-06	5.80E-07	2.12E-03	8.00E-07	3.14E-07	3.32E-04	1.26E-07	3.18E-09	3.31E-04	1.25E-07	3.17E-09	5.80E-07	3.14E-07
4848	485363.09, 3861877.25	0.0039054	1.48E-06	5.80E-07	2.12E-03	8.02E-07	3.15E-07	3.41E-04	1.29E-07	3.27E-09	3.43E-04	1.30E-07	3.28E-09	5.80E-07	3.15E-07
4849	485863.09, 3861877.25	0.003868	1.46E-06	5.75E-07	2.11E-03	7.98E-07	3.13E-07	3.52E-04	1.33E-07	3.37E-09	3.56E-04	1.35E-07	3.40E-09	5.75E-07	3.13E-07
4850	486363.09, 3861877.25	0.003982	1.51E-06	5.91E-07	2.18E-03	8.23E-07	3.23E-07	3.71E-04	1.40E-07	3.55E-09	3.74E-04	1.41E-07	3.58E-09	5.91E-07	3.24E-07
4851	486863.09, 3861877.25	0.0041517	1.57E-06	6.17E-07	2.28E-03	8.60E-07	3.38E-07	3.95E-04	1.49E-07	3.78E-09	3.95E-04	1.49E-07	3.78E-09	6.17E-07	3.38E-07
4852	487363.09, 3861877.25	0.0041417	1.57E-06	6.15E-07	2.29E-03	8.65E-07	3.40E-07	4.20E-04	1.59E-07	4.02E-09	4.18E-04	1.58E-07	4.00E-09	6.15E-07	3.40E-07
4853	487863.09, 3861877.25	0.0040623	1.54E-06	6.03E-07	2.26E-03	8.56E-07	3.36E-07	4.45E-04	1.68E-07	4.26E-09	4.42E-04	1.67E-07	4.23E-09	6.03E-07	3.36E-07
4854	488363.09, 3861877.25	0.0041639	1.57E-06	6.18E-07	2.33E-03	8.82E-07	3.47E-07	4.75E-04	1.79E-07	4.54E-09	4.70E-04	1.78E-07	4.50E-09	6.18E-07	3.47E-07
4855	488863.09, 3861877.25	0.0047807	1.81E-06	7.10E-07	2.66E-03	1.00E-06	3.94E-07	5.09E-04	1.92E-07	4.87E-09	5.08E-04	1.92E-07	4.86E-09	7.10E-07	3.94E-07
4856	489363.09, 3861877.25	0.0057064	2.16E-06	8.48E-07	3.13E-03	1.18E-06	4.65E-07	5.45E-04	2.06E-07	5.21E-09	5.50E-04	2.08E-07	5.26E-09	8.48E-07	4.65E-07
4857	489863.09, 3861877.25	0.0055194	2.09E-06	8.20E-07	3.07E-03	1.16E-06	4.56E-07	5.89E-04	2.23E-07	5.63E-09	6.04E-04	2.28E-07	5.78E-09	8.20E-07	4.56E-07
4858	490363.09, 3861877.25	0.005401	2.04E-06	8.02E-07	3.05E-03	1.15E-06	4.53E-07	6.47E-04	2.45E-07	6.19E-09	6.73E-04	2.54E-07	6.43E-09	8.02E-07	4.53E-07
4859	490863.09, 3861877.25	0.0053253	2.01E-06	7.91E-07	3.07E-03	1.16E-06	4.55E-07	7.33E-04	2.77E-07	7.01E-09	7.57E-04	2.86E-07	7.24E-09	7.91E-07	4.56E-07
4860	491363.09, 3861877.25	0.0054383	2.06E-06	8.08E-07	3.20E-03	1.21E-06	4.75E-07	8.51E-04	3.22E-07	8.14E-09	8.72E-04	3.30E-07	8.34E-09	8.08E-07	4.75E-07
4861	491863.09, 3861877.25	0.0056873	2.15E-06	8.45E-07	3.42E-03	1.29E-06	5.08E-07	1.01E-03	3.83E-07	9.68E-09	1.04E-03	3.95E-07	9.99E-09	8.45E-07	5.09E-07
4862	492363.09, 3861877.25	0.0060864	2.30E-06	9.04E-07	3.77E-03	1.43E-06	5.60E-07	1.25E-03	4.73E-07	1.20E-08	1.30E-03	4.93E-07	1.25E-08	9.05E-07	5.61E-07
4863	492863.09, 3861877.25	0.0065618	2.48E-06	9.75E-07	4.24E-03	1.60E-06	6.30E-07	1.62E-03	6.12E-07	1.55E-08	1.69E-03	6.38E-07	1.61E-08	9.75E-07	6.30E-07
4864	493363.09, 3861877.25	0.0072717	2.75E-06	1.08E-06	4.95E-03	1.87E-06	7.36E-07	2.19E-03	8.27E-07	2.09E-08	2.28E-03	8.63E-07	2.18E-08	1.08E-06	7.36E-07
4865	493863.09, 3861877.25	0.0085849	3.25E-06	1.28E-06	6.26E-03	2.37E-06	9.30E-07	3.23E-03	1.22E-06	3.09E-08	3.40E-03	1.28E-06	3.25E-08	1.28E-06	9.32E-07
4866	494363.09, 3861877.25	0.0117573	4.45E-06	1.75E-06	9.46E-03	3.58E-06	1.41E-06	5.79E-03	2.19E-06	5.54E-08	6.16E-03	2.33E-06	5.89E-08	1.75E-06	1.41E-06
4867	494863.09, 3861877.25	0.0341514	1.29E-05	5.07E-06	3.19E-02	1.21E-05	4.74E-06	2.37E-02	8.94E-06	2.26E-07	2.58E-02	9.76E-06	2.47E-07	5.09E-06	4.76E-06
4868	495363.09, 3861877.25	0.0392391	1.48E-05	5.83E-06	3.70E-02	1.40E-05	5.50E-06	2.77E-02	1.05E-05	2.65E-07	2.87E-02	1.09E-05	2.75E-07	5.84E-06	5.50E-06
4869	495863.09, 3861877.25	0.0186733	7.06E-06	2.77E-06	1.64E-02	6.22E-06	2.44E-06	1.14E-02	4.31E-06	1.09E-07	1.19E-02	4.51E-06	1.14E-07	2.78E-06	2.45E-06
4870	496363.09, 3861877.25	0.0133099	5.03E-06	1.98E-06	1.11E-02	4.20E-06	1.65E-06	7.16E-03	2.71E-06	6.85E-08	7.50E-03	2.84E-06	7.17E-08	1.98E-06	1.65E-06
4871	496863.09, 3861877.25	0.0092853	3.51E-06	1.38E-06	6.92E-03	2.62E-06	1.03E-06	3.71E-03	1.40E-06	3.55E-08	3.88E-03	1.47E-06	3.72E-08	1.38E-06	1.03E-06
4872	497363.09, 3861877.25	0.0092684	3.50E-06	1.38E-06	7.03E-03	2.66E-06	1.04E-06	3.90E-03	1.47E-06	3.73E-08	4.08E-03	1.54E-06	3.90E-08	1.38E-06	1.05E-06
4873	497863.09, 3861877.25	0.0086711	3.28E-06	1.29E-06	6.47E-03	2.45E-06	9.61E-07	3.48E-03	1.32E-06	3.33E-08	3.63E-03	1.37E-06	3.48E-08	1.29E-06	9.62E-07
4874	498363.09, 3861877.25	0.0080897	3.06E-06	1.20E-06	5.89E-03	2.23E-06	8.75E-07	3.03E-03	1.14E-06	2.90E-08	3.16E-03	1.19E-06	3.02E-08	1.20E-06	8.76E-07
4875	471363.09, 3862377.25	0.0020477	7.74E-07	3.04E-07	1.10E-03	4.15E-07	1.63E-07	1.57E-04	5.92E-08	1.50E-09	1.60E-04	6.05E-08	1.53E-09	3.04E-07	1.63E-07
4876	471863.09, 3862377.25	0.0021045	7.96E-07	3.13E-07	1.13E-03	4.26E-07	1.67E-07	1.58E-04	5.98E-08	1.51E-09	1.63E-04	6.17E-08	1.56E-09	3.13E-07	1.67E-07
4877	472363.09, 3862377.25	0.0021519	8.14E-07	3.20E-07	1.15E-03	4.36E-07	1.71E-07	1.63E-04	6.16E-08	1.56E-09	1.65E-04	6.23E-08	1.58E-09	3.20E-07	1.71E-07
4878	472863.09, 3862377.25	0.0022116	8.36E-07	3.28E-07	1.18E-03	4.48E-07	1.76E-07	1.66E-04	6.28E-08	1.59E-09	1.68E-04	6.36E-08	1.61E-09	3.29E-07	1.76E-07
4879	473363.09, 3862377.25	0.0022854	8.64E-07	3.39E-07	1.22E-03	4.62E-07	1.81E-07	1.69E-04	6.40E-08	1.62E-09	1.71E-04	6.48E-08	1.64E-09	3.39E-07	1.81E-07
4880	473863.09, 3862377.25	0.0023444	8.86E-07	3.48E-07	1.25E-03	4.73E-07	1.86E-07	1.71E-04	6.46E-08	1.63E-09	1.75E-04	6.60E-08	1.67E-09	3.48E-07	1.86E-07
4881	474363.09, 3862377.25	0.0024054	9.09E-07	3.57E-07	1.28E-03	4.85E-07	1.91E-07	1.74E-04	6.57E-08	1.66E-09	1.76E-04	6.67E-08	1.69E-09	3.57E-07	1.91E-07
4882	474863.09, 3862377.25	0.0024804	9.38E-07	3.68E-07	1.32E-03	5.00E-07	1.96E-07	1.77E-04	6.69E-08	1.69E-09	1.80E-04	6.79E-08	1.72E-09	3.68E-07	1.96E-07
4883	475363.09, 3862377.25	0.0025296	9.56E-07	3.76E-07	1.35E-03	5.10E-07	2.00E-07	1.82E-04	6.87E-08	1.74E-09	1.84E-04	6.97E-08	1.76E-09	3.76E-07	2.00E-07
4884	475863.09, 3862377.25	0.0025784	9.75E-07	3.83E-07	1.38E-03	5.20E-07	2.04E-07	1.86E-04	7.05E-08	1.78E-09	1.88E-04	7.10E-08	1.80E-09	3.83E-07	2.04E-07

4885	476363.09, 3862377.25	0.002638	9.97E-07	3.92E-07	1.41E-03	5.32E-07	2.09E-07	1.90E-04	7.17E-08	1.81E-09	1.93E-04	7.28E-08	1.84E-09	3.92E-07	2.09E-07
4886	476863.09, 3862377.25	0.0026972	1.02E-06	4.01E-07	1.44E-03	5.43E-07	2.13E-07	1.93E-04	7.28E-08	1.84E-09	1.96E-04	7.41E-08	1.87E-09	4.01E-07	2.14E-07
4887	477363.09, 3862377.25	0.0027934	1.06E-06	4.15E-07	1.49E-03	5.61E-07	2.21E-07	1.94E-04	7.34E-08	1.86E-09	1.98E-04	7.47E-08	1.89E-09	4.15E-07	2.21E-07
4888	477863.09, 3862377.25	0.0029053	1.10E-06	4.32E-07	1.53E-03	5.78E-07	2.27E-07	1.79E-04	6.75E-08	1.71E-09	1.86E-04	7.04E-08	1.78E-09	4.32E-07	2.27E-07
4889	478363.09, 3862377.25	0.002868	1.08E-06	4.26E-07	1.50E-03	5.67E-07	2.23E-07	1.61E-04	6.10E-08	1.54E-09	1.73E-04	6.54E-08	1.66E-09	4.26E-07	2.23E-07
4890	478863.09, 3862377.25	0.0029451	1.11E-06	4.37E-07	1.54E-03	5.82E-07	2.29E-07	1.64E-04	6.22E-08	1.57E-09	1.76E-04	6.67E-08	1.69E-09	4.38E-07	2.29E-07
4891	479363.09, 3862377.25	0.0030669	1.16E-06	4.56E-07	1.61E-03	6.08E-07	2.39E-07	1.79E-04	6.75E-08	1.71E-09	1.89E-04	7.16E-08	1.81E-09	4.56E-07	2.39E-07
4892	479863.09, 3862377.25	0.0031212	1.18E-06	4.64E-07	1.66E-03	6.27E-07	2.46E-07	2.15E-04	8.11E-08	2.05E-09	2.19E-04	8.27E-08	2.09E-09	4.64E-07	2.46E-07
4893	480363.09, 3862377.25	0.0030753	1.16E-06	4.57E-07	1.65E-03	6.22E-07	2.44E-07	2.30E-04	8.71E-08	2.20E-09	2.32E-04	8.76E-08	2.22E-09	4.57E-07	2.44E-07
4894	480863.09, 3862377.25	0.0030868	1.17E-06	4.58E-07	1.66E-03	6.26E-07	2.46E-07	2.38E-04	9.00E-08	2.28E-09	2.38E-04	9.01E-08	2.28E-09	4.58E-07	2.46E-07
4895	481363.09, 3862377.25	0.0030981	1.17E-06	4.60E-07	1.67E-03	6.30E-07	2.48E-07	2.46E-04	9.30E-08	2.35E-09	2.46E-04	9.32E-08	2.36E-09	4.60E-07	2.48E-07
4896	481863.09, 3862377.25	0.0031388	1.19E-06	4.66E-07	1.69E-03	6.40E-07	2.52E-07	2.57E-04	9.71E-08	2.46E-09	2.55E-04	9.63E-08	2.44E-09	4.66E-07	2.52E-07
4897	482363.09, 3862377.25	0.0032007	1.21E-06	4.75E-07	1.73E-03	6.54E-07	2.57E-07	2.65E-04	1.00E-07	2.53E-09	2.63E-04	9.94E-08	2.51E-09	4.75E-07	2.57E-07
4898	482863.09, 3862377.25	0.0032459	1.23E-06	4.82E-07	1.75E-03	6.63E-07	2.61E-07	2.71E-04	1.02E-07	2.59E-09	2.69E-04	1.02E-07	2.58E-09	4.82E-07	2.61E-07
4899	483363.09, 3862377.25	0.0032817	1.24E-06	4.87E-07	1.78E-03	6.72E-07	2.64E-07	2.79E-04	1.05E-07	2.67E-09	2.77E-04	1.05E-07	2.65E-09	4.87E-07	2.64E-07
4900	483863.09, 3862377.25	0.0032543	1.23E-06	4.83E-07	1.77E-03	6.69E-07	2.63E-07	2.87E-04	1.08E-07	2.74E-09	2.87E-04	1.09E-07	2.75E-09	4.83E-07	2.63E-07
4901	484363.09, 3862377.25	0.0032744	1.24E-06	4.86E-07	1.78E-03	6.75E-07	2.65E-07	2.96E-04	1.12E-07	2.83E-09	2.99E-04	1.13E-07	2.86E-09	4.86E-07	2.65E-07
4902	484863.09, 3862377.25	0.0032527	1.23E-06	4.83E-07	1.78E-03	6.74E-07	2.65E-07	3.09E-04	1.17E-07	2.95E-09	3.10E-04	1.17E-07	2.97E-09	4.83E-07	2.65E-07
4903	485363.09, 3862377.25	0.0031895	1.21E-06	4.74E-07	1.76E-03	6.65E-07	2.61E-07	3.18E-04	1.20E-07	3.04E-09	3.20E-04	1.21E-07	3.06E-09	4.74E-07	2.61E-07
4904	485863.09, 3862377.25	0.0031121	1.18E-06	4.62E-07	1.73E-03	6.53E-07	2.56E-07	3.27E-04	1.24E-07	3.13E-09	3.31E-04	1.25E-07	3.17E-09	4.62E-07	2.56E-07
4905	486363.09, 3862377.25	0.0031118	1.18E-06	4.62E-07	1.73E-03	6.56E-07	2.58E-07	3.40E-04	1.29E-07	3.25E-09	3.46E-04	1.31E-07	3.31E-09	4.62E-07	2.58E-07
4906	486863.09, 3862377.25	0.003127	1.18E-06	4.64E-07	1.75E-03	6.63E-07	2.60E-07	3.59E-04	1.36E-07	3.43E-09	3.62E-04	1.37E-07	3.47E-09	4.64E-07	2.61E-07
4907	487363.09, 3862377.25	0.0031259	1.18E-06	4.64E-07	1.77E-03	6.68E-07	2.62E-07	3.81E-04	1.44E-07	3.64E-09	3.82E-04	1.44E-07	3.65E-09	4.64E-07	2.63E-07
4908	487863.09, 3862377.25	0.0031508	1.19E-06	4.68E-07	1.79E-03	6.78E-07	2.66E-07	4.03E-04	1.52E-07	3.85E-09	4.03E-04	1.52E-07	3.86E-09	4.68E-07	2.66E-07
4909	488363.09, 3862377.25	0.0031875	1.21E-06	4.73E-07	1.83E-03	6.90E-07	2.71E-07	4.25E-04	1.61E-07	4.06E-09	4.26E-04	1.61E-07	4.08E-09	4.73E-07	2.71E-07
4910	488863.09, 3862377.25	0.0036035	1.36E-06	5.35E-07	2.05E-03	7.74E-07	3.04E-07	4.53E-04	1.71E-07	4.33E-09	4.52E-04	1.71E-07	4.32E-09	5.35E-07	3.04E-07
4911	489363.09, 3862377.25	0.0045645	1.73E-06	6.78E-07	2.53E-03	9.58E-07	3.76E-07	4.82E-04	1.82E-07	4.62E-09	4.85E-04	1.83E-07	4.64E-09	6.78E-07	3.76E-07
4912	489863.09, 3862377.25	0.0043518	1.65E-06	6.46E-07	2.45E-03	9.26E-07	3.64E-07	5.14E-04	1.94E-07	4.91E-09	5.22E-04	1.97E-07	5.00E-09	6.46E-07	3.64E-07
4913	490363.09, 3862377.25	0.0043492	1.64E-06	6.46E-07	2.47E-03	9.34E-07	3.67E-07	5.48E-04	2.07E-07	5.24E-09	5.68E-04	2.15E-07	5.43E-09	6.46E-07	3.67E-07
4914	490863.09, 3862377.25	0.0041781	1.58E-06	6.21E-07	2.42E-03	9.14E-07	3.59E-07	5.95E-04	2.25E-07	5.69E-09	6.22E-04	2.35E-07	5.95E-09	6.21E-07	3.59E-07
4915	491363.09, 3862377.25	0.0041321	1.56E-06	6.14E-07	2.44E-03	9.21E-07	3.62E-07	6.58E-04	2.49E-07	6.29E-09	6.81E-04	2.57E-07	6.51E-09	6.14E-07	3.62E-07
4916	491863.09, 3862377.25	0.004192	1.58E-06	6.23E-07	2.51E-03	9.50E-07	3.73E-07	7.32E-04	2.77E-07	7.00E-09	7.49E-04	2.83E-07	7.17E-09	6.23E-07	3.73E-07
4917	492363.09, 3862377.25	0.0043664	1.65E-06	6.49E-07	2.65E-03	1.00E-06	3.94E-07	8.19E-04	3.10E-07	7.84E-09	8.46E-04	3.20E-07	8.09E-09	6.49E-07	3.94E-07
4918	492863.09, 3862377.25	0.0045777	1.73E-06	6.80E-07	2.83E-03	1.07E-06	4.21E-07	9.38E-04	3.55E-07	8.98E-09	9.79E-04	3.70E-07	9.37E-09	6.80E-07	4.21E-07
4919	493363.09, 3862377.25	0.0047701	1.80E-06	7.09E-07	3.03E-03	1.14E-06	4.50E-07	1.09E-03	4.13E-07	1.04E-08	1.14E-03	4.30E-07	1.09E-08	7.09E-07	4.50E-07
4920	493863.09, 3862377.25	0.0050296	1.90E-06	7.47E-07	3.27E-03	1.24E-06	4.86E-07	1.28E-03	4.84E-07	1.22E-08	1.33E-03	5.02E-07	1.27E-08	7.48E-07	4.87E-07
4921	494363.09, 3862377.25	0.0054225	2.05E-06	8.05E-07	3.64E-03	1.38E-06	5.41E-07	1.55E-03	5.87E-07	1.48E-08	1.61E-03	6.10E-07	1.54E-08	8.06E-07	5.41E-07
4922	494863.09, 3862377.25	0.0059396	2.25E-06	8.82E-07	4.14E-03	1.57E-06	6.16E-07	1.94E-03	7.34E-07	1.86E-08	2.03E-03	7.68E-07	1.94E-08	8.83E-07	6.16E-07
4923	495363.09, 3862377.25	0.0066166	2.50E-06	9.83E-07	4.85E-03	1.83E-06	7.20E-07	2.52E-03	9.54E-07	2.41E-08	2.65E-03	1.00E-06	2.53E-08	9.84E-07	7.21E-07
4924	495863.09, 3862377.25	0.0081262	3.07E-06	1.21E-06	6.39E-03	2.41E-06	9.49E-07	3.77E-03	1.42E-06	3.60E-08	3.96E-03	1.50E-06	3.79E-08	1.21E-06	9.51E-07
4925	496363.09, 3862377.25	0.012766	4.83E-06	1.90E-06	1.10E-02	4.17E-06	1.64E-06	7.47E-03	2.82E-06	7.14E-08	7.84E-03	2.96E-06	7.50E-08	1.90E-06	1.64E-06
4926	496863.09, 3862377.25	0.0856534	3.24E-05	1.27E-05	8.39E-02	3.17E-05	1.25E-05	6.54E-02	2.47E-05	6.26E-07	6.64E-02	2.51E-05	6.36E-07	1.27E-05	1.25E-05
4927	497363.09, 3862377.25	0.0521487	1.97E-05	7.75E-06	5.04E-02	1.91E-05	7.49E-06	3.88E-02	1.47E-05	3.71E-07	4.08E-02	1.54E-05	3.90E-07	7.76E-06	7.51E-06
4928	497863.09, 3862377.25	0.1316358	4.98E-05	1.96E-05	1.30E-01	4.91E-05	1.93E-05	1.02E-01	3.86E-05	9.76E-07	1.14E-01	4.32E-05	1.09E-06	1.97E-05	1.94E-05
4929	498363.09, 3862377.25	0.0202162	7.64E-06	3.00E-06	1.85E-02	6.99E-06	2.75E-06	1.34E-02	5.07E-06	1.28E-07	1.39E-02	5.24E-06	1.33E-07	3.01E-06	2.75E-06
4930	471363.09, 3862877.25	0.0019708	7.45E-07	2.93E-07	1.06E-03	4.00E-07	1.57E-07	1.52E-04	5.75E-08	1.45E-09	1.55E-04	5.86E-08	1.48E-09	2.93E-07	1.57E-07
4931	471863.09, 3862877.25	0.0020173	7.63E-07	3.00E-07	1.08E-03	4.09E-07	1.61E-07	1.55E-04	5.86E-08	1.48E-09	1.58E-04	5.99E-08	1.51E-09	3.00E-07	1.61E-07
4932	472363.09, 3862877.25	0.0020639	7.80E-07	3.07E-07	1.11E-03	4.18E-07	1.64E-07	1.58E-04	5.98E-08	1.51E-09	1.62E-04	6.11E-08	1.55E-09	3.07E-07	1.64E-07
4933	472863.09, 3862877.25	0.0021246	8.03E-07	3.16E-07	1.14E-03	4.30E-07	1.69E-07	1.61E-04	6.10E-08	1.54E-09	1.63E-04	6.17E-08	1.56E-09	3.16E-07	1.69E-07
4934	473363.09, 3862877.25	0.0021719	8.21E-07	3.23E-07	1.16E-03	4.40E-07	1.73E-07	1.64E-04	6.22E-08	1.57E-09	1.66E-04	6.29E-08	1.59E-09	3.23E-07	1.73E-07
4935	473863.09, 3862877.25	0.0022306	8.43E-07	3.31E-07	1.19E-03	4.51E-07	1.77E-07	1.66E-04	6.28E-08	1.59E-09	1.70E-04	6.42E-08	1.62E-09	3.31E-07	1.77E-07
4936	474363.09, 3862877.25	0.0022775	8.61E-07	3.38E-07	1.22E-03	4.60E-07	1.81E-07	1.69E-04	6.40E-08	1.62E-09	1.71E-04	6.48E-08	1.64E-09	3.38E-07	1.81E-07
4937	474863.09, 3862877.25	0.0023238	8.79E-07	3.45E-07	1.24E-03	4.70E-07	1.85E-07	1.72E-04	6.51E-08	1.65E-09	1.75E-04	6.60E-08	1.67E-09	3.45E-07	1.85E-07
4938	475363.09, 3862877.25	0.0023574	8.91E-07	3.50E-07	1.26E-03	4.77E-07	1.87E-07	1.77E-04	6.69E-08	1.69E-09	1.80E-04	6.79E-08	1.72E-09	3.50E-07	1.87E-07
4939	475863.09, 3862877.25	0.0024025	9.08E-07	3.57E-07	1.29E-03	4.86E-07	1.91E-07	1.80E-04	6.81E-08	1.72E-09	1.83E-04	6.91E-08	1.75E-09	3.57E-07	1.91E-07
4940	476363.09, 3862877.25	0.002436	9.21E-07	3.62E-07	1.31E-03	4.93E-07	1.94E-07	1.85E-04	6.99E-08	1.77E-09	1.86E-04	7.04E-08	1.78E-09	3.62E-07	1.94E-07
4941	476863.09, 3862877.25	0.0024934	9.43E-07	3.70E-07	1.33E-03	5.04E-07	1.98E-07	1.86E-04	7.05E-08	1.78E-09	1.89E-04	7.16E-08	1.81E-09	3.70E-07	1.98E-07
4942	477363.09, 3862877.25	0.0025672	9.71E-07	3.81E-07	1.37E-03	5.19E-07	2.04E-07	1.90E-04	7.17E-08	1.81E-09	1.93E-04	7.28E-08	1.84E-09	3.81E-07	2.04E-07
4943	477863.09, 3862877.25	0.0026706	1.01E-06	3.97E-07	1.42E-03	5.37E-07	2.11E-07	1.85E-04	6.99E-08	1.77E-09	1.89E-04	7.16E-08	1.81E-09	3.97E-07	2.11E-07
4944	478363.09, 3862877.25	0.0027069	1.02E-06	4.02E-07	1.43E-03	5.39E-07	2.12E-07	1.69E-04	6.40E-08	1.62E-09	1.78E-04	6.73E-08	1.70E-09	4.02E-07	2.12E-07
4945	478863.09, 3862877.25	0.0027542	1.04E-06	4.09E-07	1.45E-03	5.49E-07	2.15E-07	1.71E-04	6.46E-08	1.63E-09	1.80E-04	6.79E-08	1.72E-09	4.09E-07	2.16E-07
4946	479363.09, 3862877.25	0.0028169	1.07E-06	4.18E-07	1.48E-03	5.61E-07	2.20E-07	1.75E-04	6.63E-08	1.68E-09	1.84E-04	6.97E-08	1.76E-09	4.18E-07	2.21E-07
4947	479863.09, 3862877.25	0.0027579	1.04E-06	4.10E-07	1.48E-03	5.59E-07	2.20E-07	2.11E-04	8.00E-08	2.02E-09	2.14E-04	8.08E-08	2.05E-09	4.10E-07	2.20E-07
4948	480363.09, 3862877.25	0.0027433	1.04E-06	4.07E-07	1.48E-03	5.59E-07	2.20E-07	2.21E-04	8.35E-08	2.11E-09	2.20E-04	8.33E-08	2.11E-09	4.07E-07	2.20E-07
4949	480863.09, 3862877.25	0.0027501	1.04E-06	4.08E-07	1.48E-03	5.61E-07	2.20E-07	2.26E-04	8.53E-08	2.16E-09	2.27E-04	8.58E-08	2.17E-09	4.08E-07	2.20E-07
4950	481363.09, 3862877.25	0.0027338	1.03E-06	4.06E-07	1.48E-03	5.60E-07	2.20E-07	2.35E-04	8.88E-08	2.25E-09	2.35E-04	8.89E-08	2.25E-09	4.06E-07	2.20E-07
4951	481863.09, 3862877.25	0.0028236	1.07E-06	4.19E-07	1.53E-03	5.79E-07	2.27E-07	2.43E-04	9.18E-08	2.32E-09	2.42E-04	9.13E-08	2.31E-09	4.19E-07	2.27E-07
4952	482363.09, 3862877.25	0.0028142	1.06E-06	4.18E-07	1.53E-03	5.79E-07	2.27E-07	2.49E-04	9.42E-08	2.38E-09	2.50E-04	9.44E-08	2.39E-09	4.18E-07	2.27E-07
4953	482863.09, 3862877.25	0.0028477	1.08E-06	4.23E-07	1.55E-03	5.86E-07	2.30E-07	2.55E-04	9.65E-08	2.44E-09	2.56E-04	9.69E-08	2.45E-09	4.23E-07	2.30E-07
4954	483363.09, 3862877.25	0.0028594	1.08E-06	4.25E-07	1.56E-03	5.90E-07	2.32E-07	2.63E-04	9.95E-08	2.52E-09	2.63E-04	9.94E-08	2.51E-09	4.25E-07	2.32E-07
4955	483863.09, 3862877.25	0.002819	1.07E-06	4.19E-07	1.55E-03	5.85E-07	2.30E-07	2.69E-04	1.02E-07	2.58E-09	2.71E-04	1.02E-07	2.59E-09	4.19E-07	2.30E-07
4956	484363.09, 3862877.25	0.0028092	1.06E-06	4.17E-07	1.55E-03	5.85E-07	2.30E-07	2.79E-04	1.05E-07	2.67E-09	2.81E-04	1.06E-07	2.69E-09	4.17E-07	2.30E-07
4957	484863.09, 3862877.25	0.0027365	1.03E-06	4.06E-07	1.52E-03	5.74E-07	2.25E-07	2.88E-04	1.09E-07	2.76E-09	2.92E-04	1.10E-07	2.79E-09	4.06E-07	2.26E-07
4958	485363.09, 3862877.25	0.0026586	1.01E-06	3.95E-07	1.49E-03	5.62E-07	2.21E-07	2.98E-04	1.13E-07	2.85E-09	3.02E-04	1.14E-07	2.89E-09	3.95E-07	2.21E-07
4959	485863.09, 3862877.25	0.0025571	9.67E-07	3.80E-07	1.44E-03	5.46E-07	2.14E-07	3.07E-04	1.16E-07	2.94E-09	3.12E-04	1.18E-07	2.98E-09	3.80E-07	2.14E-07
4960	486363.09, 3862877.25	0.0025142	9.51E-07	3.73E-07	1.43E-03	5.40E-07	2.12E-07	3.16E-04	1.20E-07	3.03E-09	3.23E-04	1.22E-07	3.09E-09	3.74E-07	2.12E-07
4961	486863.09, 3862877.25	0.0024703	9.34E-07	3.67E-07	1.42E-03	5.35E-07	2.10E-07	3.31E-04	1.25E-07	3.16E-09	3.36E-04	1.27E-07	3.22E-09	3.67E-07	2.10E-07
4962	487363.09, 3862877.25	0.0025149	9.51E-07	3.74E-07	1.45E-03	5.48E-07	2.15E-07	3.48E-04	1.31E-07	3.33E-09	3.53E-04	1.33E-07	3.37E-09	3.74E-07	2.15E-07
4963	487863.09, 3862877.25	0.0025491	9.64E-07	3.79E-07	1.48E-03	5.59E-07	2.19E-07	3.67E-04	1.39E-07	3.51E-09	3.69E-04	1.39E-07	3.53E-09	3.79E-07	2.19E-07
4964	488363.09, 3862877.25	0.0026065	9.85E-07	3.87E-07	1.52E-03	5.73E-07	2.25E-07	3.84E-04	1.45E-07	3.67E-09	3.87E-04	1.46E-07	3.70E-09	3.87E-07	2.25E-07
4965	488863.09, 3862877.25	0.0028595	1.08E-06	4.25E-07	1.65E-03	6.25E-07	2.45E-07	4.04E-04	1.53E-07	3.87E-09	4.05E-04	1.53E-07	3.87E-09	4.25E-07	2.45E-07
4966	489363.09, 3862877.25	0.003759	1.42E-06	5.58E-07	2.11E-03	7.96E-07	3.13E-07	4.28E-04	1.62E-07	4.09E-09	4.29E-04	1.62E-07	4.11E-09	5.58E-07	3.13E-07
4967	489863.09, 3862877.25	0.0036166	1.37E-06	5.37E-07	2.05E-03	7.76E-07	3.05E-07	4.53E-04	1.71E-07	4.33E-09	4.59E-04	1.73E-07	4.39E-09	5.37E-07	3.05E-07
4968	490363.09, 3862877.25	0.0036599	1.38E-06	5.44E-07	2.09E-03	7.90E-07	3.10E-07	4.78E-04	1.81E-07	4.57E-09	4.90E-04	1.85E-07	4.68E-09	5.44E-07	3.11E-07
4969	490863.09, 3862877.25	0.0035475	1.34E-06	5.27E-07	2.05E-03	7.76E-07	3.05E-07	5.04E-04	1.91E-07	4.82E-09	5.27E-04	1.99E-07	5.04E-09	5.27E-07	3.05E-07
4970	491363.09, 3862877.25	0.0034172	1.29E-06	5.08E-07	2.01E-03	7.60E-07	2.99E-07	5.37E-04	2.03E-07	5.14E-09	5.63E-04	2.13E-07	5.39E-09	5.08E-07	2.99E-07
4971	491863.09, 3862877.25	0.0033626	1.27E-06	4.99E-07	2.01E-03	7.61E-07	2.99E-07	5.81E-04	2.20E-07	5.56E-09	6.02E-04	2.28E-07	5.76E-09	5.00E-07	2.99E-07
4972	492363.09, 3862877.25	0.0034217	1.29E-06	5.08E-07	2.07E-03	7.83E-07	3.08E-07	6.28E-04	2.38E-07	6.01E-09	6.43E-04	2.43E-07	6.15E-09	5.08E-07	3.08E-07
4973	492863.09, 3862877.25	0.003559	1.35E-06	5.29E-07	2.17E-03	8.22E-07	3.23E-07	6.83E-04	2.58E-07	6.53E-09	7.04E-04	2.66E-07	6.73E-09	5.29E-07	3.23E-07
4974	493363.09, 3862877.25	0.0036664	1.39E-06	5.45E-07	2.27E-03	8.58E-07	3.37E-07	7.50E-04	2.84E-07	7.18E-09	7.83E-04	2.96E-07	7.49E-09	5.45E-07	3.37E-07
4975	493863.09, 3862877.25	0.0037639	1.42E-06	5.59E-07	2.36E-03	8.92E-07	3.50E-07	8.16E-04	3.09E-07	7.81E-09	8.50E-04	3.22E-07	8.13E-09	5.59E-07	3.51E-07
4976	494363.09, 3862877.25	0.0038897	1.47E-06	5.78E-07	2.48E-03	9.37E-07	3.68E-07	9.07E-04	3.43E-07	8.68E-09	9.39E-04	3.55E-07	8.98E-09	5.78E-07	3.68E-07
4977	494863.09, 3862877.25	0.0040758	1.54E-06	6.05E-07	2.65E-03	1.00E-06	3.94E-07	1.04E-03	3.92E-07	9.92E-09	1.07E-03	4.05E-07	1.03E-08	6.06E-07	3.94E-07
4978	495363.09, 3862877.25	0.0042947	1.62E-06	6.38E-07	2.85E-03	1.08E-06	4.24E-07	1.18E-03	4.46E-07	1.13E-08	1.22E-03	4.62E-07	1.17E-08	6.38E-07	4.24E-07

4979	495863.09, 3862877.25	0.0044857	1.70E-06	6.66E-07	3.04E-03	1.15E-06	4.52E-07	1.33E-03	5.03E-07	1.27E-08	1.39E-03	5.24E-07	1.33E-08	6.67E-07	4.52E-07
4980	496363.09, 3862877.25	0.0046803	1.77E-06	6.95E-07	3.25E-03	1.23E-06	4.83E-07	1.51E-03	5.69E-07	1.44E-08	1.58E-03	5.96E-07	1.51E-08	6.96E-07	4.83E-07
4981	496863.09, 3862877.25	0.0049286	1.86E-06	7.32E-07	3.52E-03	1.33E-06	5.23E-07	1.74E-03	6.56E-07	1.66E-08	1.82E-03	6.87E-07	1.74E-08	7.33E-07	5.24E-07
4982	497363.09, 3862877.25	0.0050923	1.93E-06	7.56E-07	3.70E-03	1.40E-06	5.49E-07	1.89E-03	7.14E-07	1.81E-08	1.98E-03	7.49E-07	1.89E-08	7.57E-07	5.50E-07
4983	497863.09, 3862877.25	0.0050912	1.92E-06	7.56E-07	3.70E-03	1.40E-06	5.49E-07	1.89E-03	7.15E-07	1.81E-08	1.98E-03	7.48E-07	1.89E-08	7.57E-07	5.50E-07
4984	498363.09, 3862877.25	0.0050224	1.90E-06	7.46E-07	3.62E-03	1.37E-06	5.37E-07	1.82E-03	6.87E-07	1.74E-08	1.90E-03	7.18E-07	1.82E-08	7.47E-07	5.38E-07
4985	471363.09, 3863377.25	0.0018998	7.18E-07	2.82E-07	1.02E-03	3.86E-07	1.52E-07	1.49E-04	5.63E-08	1.42E-09	1.52E-04	5.74E-08	1.45E-09	2.82E-07	1.52E-07
4986	471863.09, 3863377.25	0.001933	7.31E-07	2.87E-07	1.04E-03	3.93E-07	1.54E-07	1.52E-04	5.75E-08	1.45E-09	1.55E-04	5.86E-08	1.48E-09	2.87E-07	1.54E-07
4987	472363.09, 3863377.25	0.0019778	7.48E-07	2.94E-07	1.06E-03	4.01E-07	1.58E-07	1.54E-04	5.80E-08	1.47E-09	1.57E-04	5.92E-08	1.50E-09	2.94E-07	1.58E-07
4988	472863.09, 3863377.25	0.0020244	7.65E-07	3.01E-07	1.09E-03	4.11E-07	1.61E-07	1.57E-04	5.92E-08	1.50E-09	1.60E-04	6.05E-08	1.53E-09	3.01E-07	1.61E-07
4989	473363.09, 3863377.25	0.0020569	7.78E-07	3.06E-07	1.10E-03	4.18E-07	1.64E-07	1.60E-04	6.04E-08	1.53E-09	1.62E-04	6.11E-08	1.55E-09	3.06E-07	1.64E-07
4990	473863.09, 3863377.25	0.0021027	7.95E-07	3.12E-07	1.13E-03	4.27E-07	1.68E-07	1.63E-04	6.16E-08	1.56E-09	1.65E-04	6.23E-08	1.58E-09	3.12E-07	1.68E-07
4991	474363.09, 3863377.25	0.0021323	8.06E-07	3.17E-07	1.14E-03	4.33E-07	1.70E-07	1.64E-04	6.22E-08	1.57E-09	1.68E-04	6.36E-08	1.61E-09	3.17E-07	1.70E-07
4992	474863.09, 3863377.25	0.0021497	8.13E-07	3.19E-07	1.15E-03	4.37E-07	1.71E-07	1.68E-04	6.34E-08	1.60E-09	1.70E-04	6.42E-08	1.62E-09	3.19E-07	1.72E-07
4993	475363.09, 3863377.25	0.0021947	8.30E-07	3.26E-07	1.18E-03	4.46E-07	1.75E-07	1.71E-04	6.46E-08	1.63E-09	1.73E-04	6.54E-08	1.66E-09	3.26E-07	1.75E-07
4994	475863.09, 3863377.25	0.0022266	8.42E-07	3.31E-07	1.20E-03	4.52E-07	1.78E-07	1.74E-04	6.57E-08	1.66E-09	1.76E-04	6.67E-08	1.69E-09	3.31E-07	1.78E-07
4995	476363.09, 3863377.25	0.0022474	8.50E-07	3.34E-07	1.21E-03	4.57E-07	1.80E-07	1.79E-04	6.75E-08	1.71E-09	1.80E-04	6.79E-08	1.72E-09	3.34E-07	1.80E-07
4996	476863.09, 3863377.25	0.0022808	8.62E-07	3.39E-07	1.23E-03	4.64E-07	1.82E-07	1.82E-04	6.87E-08	1.74E-09	1.83E-04	6.91E-08	1.75E-09	3.39E-07	1.82E-07
4997	477363.09, 3863377.25	0.0023285	8.80E-07	3.46E-07	1.25E-03	4.74E-07	1.86E-07	1.85E-04	6.99E-08	1.77E-09	1.86E-04	7.04E-08	1.78E-09	3.46E-07	1.86E-07
4998	477863.09, 3863377.25	0.0023999	9.07E-07	3.56E-07	1.29E-03	4.87E-07	1.91E-07	1.85E-04	6.99E-08	1.77E-09	1.88E-04	7.10E-08	1.80E-09	3.56E-07	1.91E-07
4999	478363.09, 3863377.25	0.002488	9.41E-07	3.70E-07	1.33E-03	5.01E-07	1.97E-07	1.77E-04	6.69E-08	1.69E-09	1.83E-04	6.91E-08	1.75E-09	3.70E-07	1.97E-07
5000	478863.09, 3863377.25	0.0025082	9.48E-07	3.73E-07	1.34E-03	5.06E-07	1.99E-07	1.82E-04	6.87E-08	1.74E-09	1.86E-04	7.04E-08	1.78E-09	3.73E-07	1.99E-07
5001	479363.09, 3863377.25	0.0024981	9.44E-07	3.71E-07	1.34E-03	5.07E-07	1.99E-07	1.94E-04	7.34E-08	1.86E-09	1.98E-04	7.47E-08	1.89E-09	3.71E-07	1.99E-07
5002	479863.09, 3863377.25	0.0024576	9.29E-07	3.65E-07	1.33E-03	5.02E-07	1.97E-07	2.05E-04	7.76E-08	1.96E-09	2.07E-04	7.84E-08	1.98E-09	3.65E-07	1.97E-07
5003	480363.09, 3863377.25	0.0024524	9.27E-07	3.64E-07	1.33E-03	5.03E-07	1.98E-07	2.11E-04	8.00E-08	2.02E-09	2.12E-04	8.02E-08	2.03E-09	3.64E-07	1.98E-07
5004	480863.09, 3863377.25	0.0024578	9.29E-07	3.65E-07	1.34E-03	5.05E-07	1.98E-07	2.16E-04	8.17E-08	2.07E-09	2.19E-04	8.27E-08	2.09E-09	3.65E-07	1.98E-07
5005	481363.09, 3863377.25	0.0024377	9.22E-07	3.62E-07	1.33E-03	5.03E-07	1.98E-07	2.24E-04	8.47E-08	2.14E-09	2.25E-04	8.52E-08	2.15E-09	3.62E-07	1.98E-07
5006	481863.09, 3863377.25	0.0024718	9.35E-07	3.67E-07	1.35E-03	5.11E-07	2.01E-07	2.32E-04	8.77E-08	2.22E-09	2.32E-04	8.76E-08	2.22E-09	3.67E-07	2.01E-07
5007	482363.09, 3863377.25	0.0024915	9.42E-07	3.70E-07	1.37E-03	5.17E-07	2.03E-07	2.38E-04	9.00E-08	2.28E-09	2.38E-04	9.01E-08	2.28E-09	3.70E-07	2.03E-07
5008	482863.09, 3863377.25	0.0024847	9.39E-07	3.69E-07	1.37E-03	5.17E-07	2.03E-07	2.43E-04	9.18E-08	2.32E-09	2.45E-04	9.26E-08	2.34E-09	3.69E-07	2.03E-07
5009	483363.09, 3863377.25	0.0024971	9.44E-07	3.71E-07	1.38E-03	5.20E-07	2.04E-07	2.49E-04	9.42E-08	2.38E-09	2.51E-04	9.50E-08	2.40E-09	3.71E-07	2.04E-07
5010	483863.09, 3863377.25	0.0024699	9.34E-07	3.67E-07	1.37E-03	5.17E-07	2.03E-07	2.55E-04	9.65E-08	2.44E-09	2.58E-04	9.75E-08	2.47E-09	3.67E-07	2.03E-07
5011	484363.09, 3863377.25	0.0023992	9.07E-07	3.56E-07	1.34E-03	5.06E-07	1.99E-07	2.63E-04	9.95E-08	2.52E-09	2.68E-04	1.01E-07	2.56E-09	3.56E-07	1.99E-07
5012	484863.09, 3863377.25	0.0023232	8.78E-07	3.45E-07	1.31E-03	4.94E-07	1.94E-07	2.73E-04	1.03E-07	2.61E-09	2.76E-04	1.04E-07	2.64E-09	3.45E-07	1.94E-07
5013	485363.09, 3863377.25	0.0022315	8.44E-07	3.31E-07	1.27E-03	4.79E-07	1.88E-07	2.80E-04	1.06E-07	2.68E-09	2.86E-04	1.08E-07	2.73E-09	3.31E-07	1.88E-07
5014	485863.09, 3863377.25	0.0021715	8.21E-07	3.23E-07	1.24E-03	4.70E-07	1.85E-07	2.88E-04	1.09E-07	2.76E-09	2.94E-04	1.11E-07	2.81E-09	3.23E-07	1.85E-07
5015	486363.09, 3863377.25	0.0020977	7.93E-07	3.12E-07	1.21E-03	4.58E-07	1.80E-07	2.95E-04	1.11E-07	2.82E-09	3.02E-04	1.14E-07	2.89E-09	3.12E-07	1.80E-07
5016	486863.09, 3863377.25	0.0020509	7.75E-07	3.05E-07	1.20E-03	4.52E-07	1.78E-07	3.05E-04	1.15E-07	2.92E-09	3.12E-04	1.18E-07	2.98E-09	3.05E-07	1.78E-07
5017	487363.09, 3863377.25	0.0020592	7.79E-07	3.06E-07	1.21E-03	4.57E-07	1.79E-07	3.18E-04	1.20E-07	3.04E-09	3.25E-04	1.23E-07	3.11E-09	3.06E-07	1.79E-07
5018	487863.09, 3863377.25	0.0021152	8.00E-07	3.14E-07	1.24E-03	4.71E-07	1.85E-07	3.34E-04	1.26E-07	3.19E-09	3.38E-04	1.28E-07	3.23E-09	3.14E-07	1.85E-07
5019	488363.09, 3863377.25	0.002177	8.23E-07	3.23E-07	1.28E-03	4.86E-07	1.91E-07	3.48E-04	1.31E-07	3.33E-09	3.51E-04	1.33E-07	3.36E-09	3.23E-07	1.91E-07
5020	488863.09, 3863377.25	0.0023499	8.88E-07	3.49E-07	1.38E-03	5.21E-07	2.05E-07	3.63E-04	1.37E-07	3.48E-09	3.66E-04	1.38E-07	3.50E-09	3.49E-07	2.05E-07
5021	489363.09, 3863377.25	0.0030886	1.17E-06	4.59E-07	1.75E-03	6.61E-07	2.60E-07	3.79E-04	1.43E-07	3.63E-09	3.82E-04	1.44E-07	3.65E-09	4.59E-07	2.60E-07
5022	489863.09, 3863377.25	0.0029826	1.13E-06	4.43E-07	1.71E-03	6.46E-07	2.54E-07	3.98E-04	1.50E-07	3.81E-09	4.02E-04	1.52E-07	3.84E-09	4.43E-07	2.54E-07
5023	490363.09, 3863377.25	0.0031125	1.18E-06	4.62E-07	1.78E-03	6.74E-07	2.65E-07	4.17E-04	1.58E-07	3.99E-09	4.24E-04	1.60E-07	4.06E-09	4.62E-07	2.65E-07
5024	490863.09, 3863377.25	0.0031191	1.18E-06	4.63E-07	1.80E-03	6.80E-07	2.67E-07	4.34E-04	1.64E-07	4.15E-09	4.49E-04	1.70E-07	4.29E-09	4.63E-07	2.67E-07
5025	491363.09, 3863377.25	0.0029543	1.12E-06	4.39E-07	1.73E-03	6.54E-07	2.57E-07	4.53E-04	1.71E-07	4.33E-09	4.75E-04	1.80E-07	4.54E-09	4.39E-07	2.57E-07
5026	491863.09, 3863377.25	0.0028294	1.07E-06	4.20E-07	1.68E-03	6.37E-07	2.50E-07	4.76E-04	1.80E-07	4.56E-09	4.99E-04	1.89E-07	4.78E-09	4.20E-07	2.50E-07
5027	492363.09, 3863377.25	0.0028379	1.07E-06	4.22E-07	1.70E-03	6.44E-07	2.53E-07	4.98E-04	1.88E-07	4.77E-09	5.17E-04	1.96E-07	4.95E-09	4.22E-07	2.53E-07
5028	492863.09, 3863377.25	0.0029015	1.10E-06	4.31E-07	1.73E-03	6.54E-07	2.57E-07	4.90E-04	1.85E-07	4.69E-09	5.01E-04	1.89E-07	4.79E-09	4.31E-07	2.57E-07
5029	493363.09, 3863377.25	0.0029736	1.12E-06	4.42E-07	1.75E-03	6.62E-07	2.60E-07	4.68E-04	1.77E-07	4.48E-09	4.80E-04	1.81E-07	4.59E-09	4.42E-07	2.60E-07
5030	493863.09, 3863377.25	0.0030316	1.15E-06	4.50E-07	1.80E-03	6.79E-07	2.67E-07	4.95E-04	1.87E-07	4.74E-09	5.16E-04	1.95E-07	4.93E-09	4.50E-07	2.67E-07
5031	494363.09, 3863377.25	0.00305	1.15E-06	4.53E-07	1.84E-03	6.96E-07	2.73E-07	5.51E-04	2.08E-07	5.27E-09	5.76E-04	2.18E-07	5.51E-09	4.53E-07	2.74E-07
5032	494863.09, 3863377.25	0.0030905	1.17E-06	4.59E-07	1.87E-03	7.06E-07	2.77E-07	5.62E-04	2.13E-07	5.38E-09	5.81E-04	2.20E-07	5.56E-09	4.59E-07	2.78E-07
5033	495363.09, 3863377.25	0.0031306	1.18E-06	4.65E-07	1.88E-03	7.11E-07	2.79E-07	5.53E-04	2.09E-07	5.29E-09	5.68E-04	2.15E-07	5.43E-09	4.65E-07	2.79E-07
5034	495863.09, 3863377.25	0.0032094	1.21E-06	4.77E-07	1.93E-03	7.28E-07	2.86E-07	5.62E-04	2.13E-07	5.38E-09	5.76E-04	2.18E-07	5.51E-09	4.77E-07	2.86E-07
5035	496363.09, 3863377.25	0.003391	1.28E-06	5.04E-07	2.16E-03	8.15E-07	3.20E-07	7.83E-04	2.96E-07	7.49E-09	8.11E-04	3.07E-07	7.76E-09	5.04E-07	3.21E-07
5036	496863.09, 3863377.25	0.0033686	1.27E-06	5.00E-07	2.16E-03	8.17E-07	3.21E-07	8.08E-04	3.06E-07	7.73E-09	8.41E-04	3.18E-07	8.04E-09	5.01E-07	3.21E-07
5037	497363.09, 3863377.25	0.0033127	1.25E-06	4.92E-07	2.13E-03	8.04E-07	3.16E-07	7.96E-04	3.01E-07	7.61E-09	8.31E-04	3.14E-07	7.95E-09	4.92E-07	3.16E-07
5038	497863.09, 3863377.25	0.0032536	1.23E-06	4.83E-07	2.08E-03	7.87E-07	3.09E-07	7.71E-04	2.91E-07	7.37E-09	8.06E-04	3.05E-07	7.71E-09	4.84E-07	3.09E-07
5039	498363.09, 3863377.25	0.0032304	1.22E-06	4.80E-07	2.07E-03	7.81E-07	3.07E-07	7.64E-04	2.89E-07	7.31E-09	8.00E-04	3.02E-07	7.65E-09	4.80E-07	3.07E-07
5040	471363.09, 3863877.25	0.0018134	6.86E-07	2.69E-07	9.76E-04	3.69E-07	1.45E-07	1.44E-04	5.45E-08	1.38E-09	1.47E-04	5.55E-08	1.41E-09	2.69E-07	1.45E-07
5041	471863.09, 3863877.25	0.0018597	7.03E-07	2.76E-07	1.00E-03	3.78E-07	1.49E-07	1.47E-04	5.57E-08	1.41E-09	1.50E-04	5.68E-08	1.44E-09	2.76E-07	1.49E-07
5042	472363.09, 3863877.25	0.0018899	7.15E-07	2.81E-07	1.02E-03	3.84E-07	1.51E-07	1.49E-04	5.63E-08	1.42E-09	1.52E-04	5.74E-08	1.45E-09	2.81E-07	1.51E-07
5043	472863.09, 3863877.25	0.0019215	7.27E-07	2.85E-07	1.03E-03	3.91E-07	1.53E-07	1.52E-04	5.75E-08	1.45E-09	1.55E-04	5.86E-08	1.48E-09	2.85E-07	1.54E-07
5044	473363.09, 3863877.25	0.0019391	7.33E-07	2.88E-07	1.04E-03	3.95E-07	1.55E-07	1.55E-04	5.86E-08	1.48E-09	1.57E-04	5.92E-08	1.50E-09	2.88E-07	1.55E-07
5045	473863.09, 3863877.25	0.0019838	7.50E-07	2.95E-07	1.07E-03	4.04E-07	1.59E-07	1.58E-04	5.98E-08	1.51E-09	1.60E-04	6.05E-08	1.53E-09	2.95E-07	1.59E-07
5046	474363.09, 3863877.25	0.0019994	7.56E-07	2.97E-07	1.08E-03	4.07E-07	1.60E-07	1.60E-04	6.04E-08	1.53E-09	1.62E-04	6.11E-08	1.55E-09	2.97E-07	1.60E-07
5047	474863.09, 3863877.25	0.0020036	7.58E-07	2.98E-07	1.08E-03	4.08E-07	1.60E-07	1.63E-04	6.16E-08	1.56E-09	1.65E-04	6.23E-08	1.58E-09	2.98E-07	1.60E-07
5048	475363.09, 3863877.25	0.002036	7.70E-07	3.02E-07	1.10E-03	4.15E-07	1.63E-07	1.66E-04	6.28E-08	1.59E-09	1.68E-04	6.36E-08	1.61E-09	3.02E-07	1.63E-07
5049	475863.09, 3863877.25	0.0020416	7.72E-07	3.03E-07	1.10E-03	4.17E-07	1.64E-07	1.69E-04	6.40E-08	1.62E-09	1.71E-04	6.48E-08	1.64E-09	3.03E-07	1.64E-07
5050	476363.09, 3863877.25	0.0020751	7.85E-07	3.08E-07	1.12E-03	4.24E-07	1.67E-07	1.72E-04	6.51E-08	1.65E-09	1.75E-04	6.60E-08	1.67E-09	3.08E-07	1.67E-07
5051	476863.09, 3863877.25	0.0020815	7.87E-07	3.09E-07	1.13E-03	4.26E-07	1.67E-07	1.75E-04	6.63E-08	1.68E-09	1.78E-04	6.73E-08	1.70E-09	3.09E-07	1.67E-07
5052	477363.09, 3863877.25	0.0021286	8.05E-07	3.16E-07	1.15E-03	4.35E-07	1.71E-07	1.79E-04	6.75E-08	1.71E-09	1.80E-04	6.79E-08	1.72E-09	3.16E-07	1.71E-07
5053	477863.09, 3863877.25	0.0021871	8.27E-07	3.25E-07	1.18E-03	4.46E-07	1.75E-07	1.80E-04	6.81E-08	1.72E-09	1.83E-04	6.91E-08	1.75E-09	3.25E-07	1.75E-07
5054	478363.09, 3863877.25	0.0022631	8.56E-07	3.36E-07	1.21E-03	4.59E-07	1.80E-07	1.75E-04	6.63E-08	1.68E-09	1.81E-04	6.85E-08	1.73E-09	3.36E-07	1.80E-07
5055	478863.09, 3863877.25	0.0022507	8.51E-07	3.34E-07	1.22E-03	4.60E-07	1.81E-07	1.86E-04	7.05E-08	1.78E-09	1.89E-04	7.16E-08	1.81E-09	3.34E-07	1.81E-07
5056	479363.09, 3863877.25	0.0022455	8.49E-07	3.34E-07	1.22E-03	4.60E-07	1.81E-07	1.93E-04	7.28E-08	1.84E-09	1.94E-04	7.34E-08	1.86E-09	3.34E-07	1.81E-07
5057	479863.09, 3863877.25	0.00224	8.47E-07	3.33E-07	1.22E-03	4.61E-07	1.81E-07	1.99E-04	7.52E-08	1.90E-09	2.01E-04	7.59E-08	1.92E-09	3.33E-07	1.81E-07
5058	480363.09, 3863877.25	0.0022312	8.44E-07	3.31E-07	1.22E-03	4.60E-07	1.81E-07	2.04E-04	7.70E-08	1.95E-09	2.04E-04	7.71E-08	1.95E-09	3.31E-07	1.81E-07
5059	480863.09, 3863877.25	0.002194	8.30E-07	3.26E-07	1.20E-03	4.55E-07	1.79E-07	2.08E-04	7.88E-08	1.99E-09	2.11E-04	7.96E-08	2.01E-09	3.26E-07	1.79E-07
5060	481363.09, 3863877.25	0.0021718	8.21E-07	3.23E-07	1.20E-03	4.52E-07	1.78E-07	2.15E-04	8.11E-08	2.05E-09	2.15E-04	8.15E-08	2.06E-09	3.23E-07	1.78E-07
5061	481863.09, 3863877.25	0.0021915	8.29E-07	3.26E-07	1.21E-03	4.57E-07	1.80E-07	2.21E-04	8.35E-08	2.11E-09	2.22E-04	8.39E-08	2.12E-09	3.26E-07	1.80E-07
5062	482363.09, 3863877.25	0.0022114	8.36E-07	3.28E-07	1.22E-03	4.62E-07	1.82E-07	2.26E-04	8.53E-08	2.16E-09	2.27E-04	8.58E-08	2.17E-09	3.28E-07	1.82E-07
5063	482863.09, 3863877.25	0.0022067	8.34E-07	3.28E-07	1.22E-03	4.62E-07	1.82E-07	2.30E-04	8.71E-08	2.20E-09	2.32E-04	8.76E-08	2.22E-09	3.28E-07	1.82E-07
5064	483363.09, 3863877.25	0.0022039	8.33E-07	3.27E-07	1.22E-03	4.63E-07	1.82E-07	2.35E-04	8.88E-08	2.25E-09	2.38E-04	9.01E-08	2.28E-09	3.27E-07	1.82E-07
5065	483863.09, 3863877.25	0.0021589	8.16E-07	3.21E-07	1.21E-03	4.56E-07	1.79E-07	2.40E-04	9.06E-08	2.29E-09	2.43E-04	9.20E-08	2.33E-09	3.21E-07	1.79E-07
5066	484363.09, 3863877.25	0.0020546	7.77E-07	3.05E-07	1.16E-03	4.38E-07	1.72E-07	2.46E-04	9.30E-08	2.35E-09	2.50E-04	9.44E-08	2.39E-09	3.05E-07	1.72E-07
5067	484863.09, 3863877.25	0.0019743	7.46E-07	2.93E-07	1.12E-03	4.25E-07	1.67E-07	2.52E-04	9.54E-08	2.41E-09	2.58E-04	9.75E-08	2.47E-09	2.93E-07	1.67E-07
5068	485363.09, 3863877.25	0.0019243	7.28E-07	2.86E-07	1.10E-03	4.17E-07	1.64E-07	2.58E-04	9.77E-08	2.47E-09	2.64E-04	1.00E-07	2.53E-09	2.86E-07	1.64E-07
5069	485863.09, 3863877.25	0.0018909	7.15E-07	2.81E-07	1.09E-03	4.13E-07	1.62E-07	2.65E-04	1.00E-07	2.53E-09	2.71E-04	1.02E-07	2.59E-09	2.81E-07	1.62E-07
5070	486363.09, 3863877.25	0.0018034	6.82E-07	2.68E-07	1.05E-03	3.98E-07	1.56E-07	2.71E-04	1.02E-07	2.59E-09	2.77E-04	1.05E-07	2.65E-09	2.68E-07	1.56E-07
5071	486863.09, 3863877.25	0.001726	6.53E-07	2.56E-07	1.02E-03	3.86E-07	1.52E-07	2.79E-04	1.05E-07	2.67E-09	2.86E-04	1.08E-07	2.73E-09	2.56E-07	1.52E-07
5072	487363.09, 3863877.25	0.0017143	6.48E-07	2.55E-07	1.02E-03	3.86E-07	1.52E-07	2.88E-04	1.09E-07	2.76E-09	2.95E-04	1.12E-07	2.83E-09	2.55E-07	1.52E-07

5073	487863.09, 3863877.25	0.0017922	6.78E-07	2.66E-07	1.07E-03	4.03E-07	1.58E-07	3.01E-04	1.14E-07	2.88E-09	3.07E-04	1.16E-07	2.94E-09	2.66E-07	1.58E-07
5074	488363.09, 3863877.25	0.0018465	6.98E-07	2.74E-07	1.10E-03	4.16E-07	1.64E-07	3.13E-04	1.18E-07	3.00E-09	3.18E-04	1.20E-07	3.04E-09	2.74E-07	1.64E-07
5075	488863.09, 3863877.25	0.001949	7.37E-07	2.89E-07	1.16E-03	4.38E-07	1.72E-07	3.26E-04	1.23E-07	3.12E-09	3.30E-04	1.25E-07	3.15E-09	2.90E-07	1.72E-07
5076	489363.09, 3863877.25	0.0021284	8.05E-07	3.16E-07	1.26E-03	4.75E-07	1.86E-07	3.40E-04	1.29E-07	3.25E-09	3.43E-04	1.30E-07	3.28E-09	3.16E-07	1.86E-07
5077	489863.09, 3863877.25	0.0024154	9.13E-07	3.59E-07	1.40E-03	5.31E-07	2.08E-07	3.52E-04	1.33E-07	3.37E-09	3.56E-04	1.35E-07	3.40E-09	3.59E-07	2.08E-07
5078	490363.09, 3863877.25	0.0026485	1.00E-06	3.93E-07	1.52E-03	5.76E-07	2.26E-07	3.65E-04	1.38E-07	3.49E-09	3.71E-04	1.40E-07	3.54E-09	3.93E-07	2.27E-07
5079	490863.09, 3863877.25	0.0027664	1.05E-06	4.11E-07	1.59E-03	6.01E-07	2.36E-07	3.76E-04	1.42E-07	3.60E-09	3.85E-04	1.46E-07	3.68E-09	4.11E-07	2.36E-07
5080	491363.09, 3863877.25	0.0026808	1.01E-06	3.98E-07	1.55E-03	5.87E-07	2.31E-07	3.85E-04	1.46E-07	3.69E-09	4.00E-04	1.51E-07	3.83E-09	3.98E-07	2.31E-07
5081	491863.09, 3863877.25	0.0025449	9.62E-07	3.78E-07	1.48E-03	5.61E-07	2.20E-07	3.81E-04	1.44E-07	3.64E-09	4.00E-04	1.51E-07	3.83E-09	3.78E-07	2.21E-07
5082	492363.09, 3863877.25	0.0024605	9.30E-07	3.65E-07	1.42E-03	5.35E-07	2.10E-07	3.37E-04	1.27E-07	3.22E-09	3.57E-04	1.35E-07	3.42E-09	3.66E-07	2.10E-07
5083	492863.09, 3863877.25	0.0024233	9.16E-07	3.60E-07	1.37E-03	5.19E-07	2.04E-07	3.01E-04	1.14E-07	2.88E-09	3.17E-04	1.20E-07	3.03E-09	3.60E-07	2.04E-07
5084	493363.09, 3863877.25	0.0024766	9.36E-07	3.68E-07	1.41E-03	5.33E-07	2.09E-07	3.16E-04	1.20E-07	3.03E-09	3.20E-04	1.21E-07	3.06E-09	3.68E-07	2.09E-07
5085	493863.09, 3863877.25	0.0025283	9.56E-07	3.76E-07	1.45E-03	5.49E-07	2.16E-07	3.41E-04	1.29E-07	3.27E-09	3.44E-04	1.30E-07	3.29E-09	3.76E-07	2.16E-07
5086	494363.09, 3863877.25	0.0025588	9.67E-07	3.80E-07	1.48E-03	5.60E-07	2.20E-07	3.67E-04	1.39E-07	3.51E-09	3.82E-04	1.44E-07	3.65E-09	3.80E-07	2.20E-07
5087	494863.09, 3863877.25	0.0025579	9.67E-07	3.80E-07	1.49E-03	5.62E-07	2.21E-07	3.74E-04	1.42E-07	3.58E-09	3.95E-04	1.49E-07	3.78E-09	3.80E-07	2.21E-07
5088	495363.09, 3863877.25	0.0025762	9.74E-07	3.83E-07	1.50E-03	5.69E-07	2.24E-07	3.88E-04	1.47E-07	3.72E-09	4.03E-04	1.52E-07	3.86E-09	3.83E-07	2.24E-07
5089	495863.09, 3863877.25	0.0026071	9.86E-07	3.87E-07	1.52E-03	5.76E-07	2.26E-07	3.93E-04	1.49E-07	3.76E-09	4.02E-04	1.52E-07	3.84E-09	3.87E-07	2.26E-07
5090	496363.09, 3863877.25	0.0026565	1.00E-06	3.95E-07	1.58E-03	5.97E-07	2.35E-07	4.45E-04	1.68E-07	4.26E-09	4.55E-04	1.72E-07	4.36E-09	3.95E-07	2.35E-07
5091	496863.09, 3863877.25	0.0027138	1.03E-06	4.03E-07	1.64E-03	6.22E-07	2.44E-07	5.01E-04	1.90E-07	4.80E-09	5.16E-04	1.95E-07	4.93E-09	4.03E-07	2.44E-07
5092	497363.09, 3863877.25	0.002719	1.03E-06	4.04E-07	1.66E-03	6.26E-07	2.46E-07	5.15E-04	1.95E-07	4.93E-09	5.32E-04	2.01E-07	5.09E-09	4.04E-07	2.46E-07
5093	497863.09, 3863877.25	0.0026813	1.01E-06	3.98E-07	1.63E-03	6.17E-07	2.42E-07	5.06E-04	1.91E-07	4.84E-09	5.26E-04	1.99E-07	5.03E-09	3.98E-07	2.43E-07
5094	498363.09, 3863877.25	0.0026071	9.86E-07	3.87E-07	1.59E-03	5.99E-07	2.35E-07	4.90E-04	1.85E-07	4.69E-09	5.11E-04	1.93E-07	4.89E-09	3.87E-07	2.36E-07
5095	471363.09, 3864377.25	0.0017407	6.58E-07	2.59E-07	9.38E-04	3.55E-07	1.39E-07	1.41E-04	5.33E-08	1.35E-09	1.44E-04	5.43E-08	1.37E-09	2.59E-07	1.39E-07
5096	471863.09, 3864377.25	0.0017702	6.69E-07	2.63E-07	9.54E-04	3.61E-07	1.42E-07	1.43E-04	5.39E-08	1.36E-09	1.45E-04	5.49E-08	1.39E-09	2.63E-07	1.42E-07
5097	472363.09, 3864377.25	0.0018013	6.81E-07	2.68E-07	9.71E-04	3.67E-07	1.44E-07	1.46E-04	5.51E-08	1.39E-09	1.49E-04	5.62E-08	1.42E-09	2.68E-07	1.44E-07
5098	472863.09, 3864377.25	0.0018187	6.88E-07	2.70E-07	9.81E-04	3.71E-07	1.46E-07	1.49E-04	5.63E-08	1.42E-09	1.50E-04	5.68E-08	1.44E-09	2.70E-07	1.46E-07
5099	473363.09, 3864377.25	0.0018342	6.93E-07	2.72E-07	9.90E-04	3.74E-07	1.47E-07	1.50E-04	5.69E-08	1.44E-09	1.53E-04	5.80E-08	1.47E-09	2.72E-07	1.47E-07
5100	473863.09, 3864377.25	0.0018519	7.00E-07	2.75E-07	1.00E-03	3.78E-07	1.49E-07	1.54E-04	5.80E-08	1.47E-09	1.55E-04	5.86E-08	1.48E-09	2.75E-07	1.49E-07
5101	474363.09, 3864377.25	0.0018546	7.01E-07	2.75E-07	1.00E-03	3.79E-07	1.49E-07	1.55E-04	5.86E-08	1.48E-09	1.58E-04	5.99E-08	1.51E-09	2.76E-07	1.49E-07
5102	474863.09, 3864377.25	0.0018598	7.03E-07	2.76E-07	1.01E-03	3.81E-07	1.50E-07	1.58E-04	5.98E-08	1.51E-09	1.60E-04	6.05E-08	1.53E-09	2.76E-07	1.50E-07
5103	475363.09, 3864377.25	0.0018774	7.10E-07	2.79E-07	1.02E-03	3.84E-07	1.51E-07	1.60E-04	6.04E-08	1.53E-09	1.63E-04	6.17E-08	1.56E-09	2.79E-07	1.51E-07
5104	475863.09, 3864377.25	0.0018832	7.12E-07	2.80E-07	1.02E-03	3.86E-07	1.52E-07	1.63E-04	6.16E-08	1.56E-09	1.66E-04	6.29E-08	1.59E-09	2.80E-07	1.52E-07
5105	476363.09, 3864377.25	0.0019031	7.20E-07	2.83E-07	1.03E-03	3.91E-07	1.54E-07	1.66E-04	6.28E-08	1.59E-09	1.68E-04	6.36E-08	1.61E-09	2.83E-07	1.54E-07
5106	476863.09, 3864377.25	0.0019359	7.32E-07	2.88E-07	1.05E-03	3.98E-07	1.56E-07	1.69E-04	6.40E-08	1.62E-09	1.71E-04	6.48E-08	1.64E-09	2.88E-07	1.56E-07
5107	477363.09, 3864377.25	0.0019563	7.40E-07	2.91E-07	1.06E-03	4.02E-07	1.58E-07	1.74E-04	6.57E-08	1.66E-09	1.75E-04	6.60E-08	1.67E-09	2.91E-07	1.58E-07
5108	477863.09, 3864377.25	0.0019877	7.52E-07	2.95E-07	1.08E-03	4.09E-07	1.61E-07	1.77E-04	6.69E-08	1.69E-09	1.78E-04	6.73E-08	1.70E-09	2.95E-07	1.61E-07
5109	478363.09, 3864377.25	0.0020174	7.63E-07	3.00E-07	1.10E-03	4.15E-07	1.63E-07	1.79E-04	6.75E-08	1.71E-09	1.81E-04	6.85E-08	1.73E-09	3.00E-07	1.63E-07
5110	478863.09, 3864377.25	0.0020358	7.70E-07	3.02E-07	1.11E-03	4.19E-07	1.65E-07	1.82E-04	6.87E-08	1.74E-09	1.84E-04	6.97E-08	1.76E-09	3.02E-07	1.65E-07
5111	479363.09, 3864377.25	0.0020399	7.71E-07	3.03E-07	1.11E-03	4.21E-07	1.65E-07	1.85E-04	6.99E-08	1.77E-09	1.88E-04	7.10E-08	1.80E-09	3.03E-07	1.65E-07
5112	479863.09, 3864377.25	0.0020313	7.68E-07	3.02E-07	1.11E-03	4.20E-07	1.65E-07	1.90E-04	7.17E-08	1.81E-09	1.91E-04	7.22E-08	1.83E-09	3.02E-07	1.65E-07
5113	480363.09, 3864377.25	0.0020057	7.58E-07	2.98E-07	1.10E-03	4.16E-07	1.63E-07	1.93E-04	7.28E-08	1.84E-09	1.94E-04	7.34E-08	1.86E-09	2.98E-07	1.63E-07
5114	480863.09, 3864377.25	0.0019525	7.38E-07	2.90E-07	1.08E-03	4.07E-07	1.60E-07	1.96E-04	7.40E-08	1.87E-09	1.99E-04	7.53E-08	1.90E-09	2.90E-07	1.60E-07
5115	481363.09, 3864377.25	0.0019312	7.30E-07	2.87E-07	1.07E-03	4.05E-07	1.59E-07	2.02E-04	7.64E-08	1.93E-09	2.04E-04	7.71E-08	1.95E-09	2.87E-07	1.59E-07
5116	481863.09, 3864377.25	0.0019527	7.38E-07	2.90E-07	1.08E-03	4.10E-07	1.61E-07	2.08E-04	7.88E-08	1.99E-09	2.09E-04	7.90E-08	2.00E-09	2.90E-07	1.61E-07
5117	482363.09, 3864377.25	0.0019586	7.41E-07	2.91E-07	1.09E-03	4.12E-07	1.62E-07	2.11E-04	8.00E-08	2.02E-09	2.14E-04	8.08E-08	2.05E-09	2.91E-07	1.62E-07
5118	482863.09, 3864377.25	0.0019532	7.38E-07	2.90E-07	1.09E-03	4.12E-07	1.62E-07	2.15E-04	8.11E-08	2.05E-09	2.19E-04	8.27E-08	2.09E-09	2.90E-07	1.62E-07
5119	483363.09, 3864377.25	0.0019357	7.32E-07	2.88E-07	1.08E-03	4.10E-07	1.61E-07	2.19E-04	8.29E-08	2.10E-09	2.24E-04	8.45E-08	2.14E-09	2.88E-07	1.61E-07
5120	483863.09, 3864377.25	0.0018732	7.08E-07	2.78E-07	1.06E-03	3.99E-07	1.57E-07	2.24E-04	8.47E-08	2.14E-09	2.29E-04	8.64E-08	2.19E-09	2.78E-07	1.57E-07
5121	484363.09, 3864377.25	0.0017786	6.72E-07	2.64E-07	1.01E-03	3.83E-07	1.51E-07	2.29E-04	8.65E-08	2.19E-09	2.33E-04	8.83E-08	2.23E-09	2.64E-07	1.51E-07
5122	484863.09, 3864377.25	0.0017133	6.48E-07	2.54E-07	9.86E-04	3.73E-07	1.46E-07	2.35E-04	8.88E-08	2.25E-09	2.40E-04	9.07E-08	2.30E-09	2.55E-07	1.46E-07
5123	485363.09, 3864377.25	0.0016929	6.40E-07	2.51E-07	9.80E-04	3.70E-07	1.46E-07	2.41E-04	9.12E-08	2.31E-09	2.46E-04	9.32E-08	2.36E-09	2.51E-07	1.46E-07
5124	485863.09, 3864377.25	0.0016455	6.22E-07	2.44E-07	9.61E-04	3.63E-07	1.43E-07	2.48E-04	9.36E-08	2.37E-09	2.53E-04	9.57E-08	2.42E-09	2.44E-07	1.43E-07
5125	486363.09, 3864377.25	0.0015706	5.94E-07	2.33E-07	9.27E-04	3.51E-07	1.38E-07	2.52E-04	9.54E-08	2.41E-09	2.60E-04	9.81E-08	2.48E-09	2.33E-07	1.38E-07
5126	486863.09, 3864377.25	0.0014918	5.64E-07	2.22E-07	8.93E-04	3.38E-07	1.33E-07	2.58E-04	9.77E-08	2.47E-09	2.66E-04	1.01E-07	2.55E-09	2.22E-07	1.33E-07
5127	487363.09, 3864377.25	0.0014756	5.58E-07	2.19E-07	8.90E-04	3.37E-07	1.32E-07	2.66E-04	1.01E-07	2.55E-09	2.73E-04	1.03E-07	2.61E-09	2.19E-07	1.32E-07
5128	487863.09, 3864377.25	0.0015332	5.80E-07	2.28E-07	9.23E-04	3.49E-07	1.37E-07	2.74E-04	1.04E-07	2.62E-09	2.81E-04	1.06E-07	2.69E-09	2.28E-07	1.37E-07
5129	488363.09, 3864377.25	0.0015958	6.03E-07	2.37E-07	9.60E-04	3.63E-07	1.43E-07	2.84E-04	1.07E-07	2.71E-09	2.87E-04	1.09E-07	2.75E-09	2.37E-07	1.43E-07
5130	488863.09, 3864377.25	0.0016724	6.32E-07	2.48E-07	1.00E-03	3.79E-07	1.49E-07	2.91E-04	1.10E-07	2.79E-09	2.95E-04	1.12E-07	2.83E-09	2.48E-07	1.49E-07
5131	489363.09, 3864377.25	0.0017781	6.72E-07	2.64E-07	1.06E-03	4.00E-07	1.57E-07	2.99E-04	1.13E-07	2.86E-09	3.02E-04	1.14E-07	2.89E-09	2.64E-07	1.57E-07
5132	489863.09, 3864377.25	0.0020058	7.58E-07	2.98E-07	1.17E-03	4.44E-07	1.74E-07	3.07E-04	1.16E-07	2.94E-09	3.10E-04	1.17E-07	2.97E-09	2.98E-07	1.74E-07
5133	490363.09, 3864377.25	0.0022471	8.50E-07	3.34E-07	1.30E-03	4.91E-07	1.93E-07	3.16E-04	1.20E-07	3.03E-09	3.18E-04	1.20E-07	3.04E-09	3.34E-07	1.93E-07
5134	490863.09, 3864377.25	0.0024372	9.21E-07	3.62E-07	1.39E-03	5.27E-07	2.07E-07	3.23E-04	1.22E-07	3.09E-09	3.28E-04	1.24E-07	3.14E-09	3.62E-07	2.07E-07
5135	491363.09, 3864377.25	0.002539	9.60E-07	3.77E-07	1.43E-03	5.42E-07	2.13E-07	3.07E-04	1.16E-07	2.94E-09	3.15E-04	1.19E-07	3.01E-09	3.77E-07	2.13E-07
5136	491863.09, 3864377.25	0.002246	8.49E-07	3.34E-07	1.21E-03	4.57E-07	1.80E-07	1.79E-04	6.75E-08	1.71E-09	1.98E-04	7.47E-08	1.89E-09	3.34E-07	1.80E-07
5137	492363.09, 3864377.25	0.0022673	8.57E-07	3.37E-07	1.25E-03	4.72E-07	1.86E-07	2.26E-04	8.53E-08	2.16E-09	2.46E-04	9.32E-08	2.36E-09	3.37E-07	1.86E-07
5138	492863.09, 3864377.25	0.0019982	7.55E-07	2.97E-07	1.09E-03	4.13E-07	1.62E-07	1.85E-04	6.99E-08	1.77E-09	2.06E-04	7.78E-08	1.97E-09	2.97E-07	1.62E-07
5139	493363.09, 3864377.25	0.0021118	7.98E-07	3.14E-07	1.17E-03	4.41E-07	1.73E-07	2.16E-04	8.17E-08	2.07E-09	2.27E-04	8.58E-08	2.17E-09	3.14E-07	1.74E-07
5140	493863.09, 3864377.25	0.0021539	8.14E-07	3.20E-07	1.21E-03	4.58E-07	1.80E-07	2.54E-04	9.59E-08	2.43E-09	2.53E-04	9.57E-08	2.42E-09	3.20E-07	1.80E-07
5141	494363.09, 3864377.25	0.0021951	8.30E-07	3.26E-07	1.25E-03	4.72E-07	1.85E-07	2.79E-04	1.05E-07	2.67E-09	2.81E-04	1.06E-07	2.69E-09	3.26E-07	1.85E-07
5142	494863.09, 3864377.25	0.002205	8.34E-07	3.28E-07	1.27E-03	4.78E-07	1.88E-07	2.98E-04	1.13E-07	2.85E-09	3.10E-04	1.17E-07	2.97E-09	3.28E-07	1.88E-07
5143	495363.09, 3864377.25	0.0022081	8.35E-07	3.28E-07	1.27E-03	4.79E-07	1.88E-07	2.98E-04	1.13E-07	2.85E-09	3.15E-04	1.19E-07	3.01E-09	3.28E-07	1.88E-07
5144	495863.09, 3864377.25	0.0022133	8.37E-07	3.29E-07	1.27E-03	4.81E-07	1.89E-07	3.01E-04	1.14E-07	2.88E-09	3.13E-04	1.18E-07	3.00E-09	3.29E-07	1.89E-07
5145	496363.09, 3864377.25	0.0022333	8.44E-07	3.32E-07	1.29E-03	4.89E-07	1.92E-07	3.18E-04	1.20E-07	3.04E-09	3.26E-04	1.23E-07	3.12E-09	3.32E-07	1.92E-07
5146	496863.09, 3864377.25	0.0022566	8.53E-07	3.35E-07	1.31E-03	4.95E-07	1.95E-07	3.27E-04	1.24E-07	3.13E-09	3.35E-04	1.27E-07	3.20E-09	3.35E-07	1.95E-07
5147	497363.09, 3864377.25	0.0022938	8.67E-07	3.41E-07	1.35E-03	5.09E-07	2.00E-07	3.57E-04	1.35E-07	3.42E-09	3.64E-04	1.38E-07	3.48E-09	3.41E-07	2.00E-07
5148	497863.09, 3864377.25	0.0023288	8.80E-07	3.46E-07	1.37E-03	5.17E-07	2.03E-07	3.62E-04	1.37E-07	3.46E-09	3.71E-04	1.40E-07	3.54E-09	3.46E-07	2.03E-07
5149	498363.09, 3864377.25	0.0023144	8.75E-07	3.44E-07	1.37E-03	5.19E-07	2.04E-07	3.82E-04	1.45E-07	3.66E-09	3.93E-04	1.49E-07	3.76E-09	3.44E-07	2.04E-07
5150	471363.09, 3864877.25	0.0016503	6.24E-07	2.45E-07	8.91E-04	3.37E-07	1.32E-07	1.36E-04	5.15E-08	1.30E-09	1.40E-04	5.31E-08	1.34E-09	2.45E-07	1.32E-07
5151	471863.09, 3864877.25	0.0016812	6.36E-07	2.50E-07	9.08E-04	3.43E-07	1.35E-07	1.39E-04	5.27E-08	1.33E-09	1.42E-04	5.37E-08	1.36E-09	2.50E-07	1.35E-07
5152	472363.09, 3864877.25	0.0016966	6.41E-07	2.52E-07	9.17E-04	3.47E-07	1.36E-07	1.41E-04	5.33E-08	1.35E-09	1.44E-04	5.43E-08	1.37E-09	2.52E-07	1.36E-07
5153	472863.09, 3864877.25	0.0017143	6.48E-07	2.55E-07	9.27E-04	3.51E-07	1.38E-07	1.44E-04	5.45E-08	1.38E-09	1.47E-04	5.55E-08	1.41E-09	2.55E-07	1.38E-07
5154	473363.09, 3864877.25	0.0017168	6.49E-07	2.55E-07	9.30E-04	3.51E-07	1.38E-07	1.46E-04	5.51E-08	1.39E-09	1.49E-04	5.62E-08	1.42E-09	2.55E-07	1.38E-07
5155	473863.09, 3864877.25	0.0017219	6.51E-07	2.56E-07	9.34E-04	3.53E-07	1.39E-07	1.49E-04	5.63E-08	1.42E-09	1.50E-04	5.68E-08	1.44E-09	2.56E-07	1.39E-07
5156	474363.09, 3864877.25	0.0017254	6.52E-07	2.56E-07	9.37E-04	3.54E-07	1.39E-07	1.50E-04	5.69E-08	1.44E-09	1.52E-04	5.74E-08	1.45E-09	2.56E-07	1.39E-07
5157	474863.09, 3864877.25	0.0017289	6.54E-07	2.57E-07	9.40E-04	3.55E-07	1.40E-07	1.52E-04	5.75E-08	1.45E-09	1.55E-04	5.86E-08	1.48E-09	2.57E-07	1.40E-07
5158	475363.09, 3864877.25	0.0017346	6.56E-07	2.58E-07	9.44E-04	3.57E-07	1.40E-07	1.55E-04	5.86E-08	1.48E-09	1.57E-04	5.92E-08	1.50E-09	2.58E-07	1.40E-07
5159	475863.09, 3864877.25	0.0017401	6.58E-07	2.58E-07	9.49E-04	3.59E-07	1.41E-07	1.58E-04	5.98E-08	1.51E-09	1.60E-04	6.05E-08	1.53E-09	2.58E-07	1.41E-07
5160	476363.09, 3864877.25	0.0017725	6.70E-07	2.63E-07	9.67E-04	3.66E-07	1.44E-07	1.61E-04	6.10E-08	1.54E-09	1.62E-04	6.11E-08	1.55E-09	2.63E-07	1.44E-07
5161	476863.09, 3864877.25	0.0018023	6.81E-07	2.68E-07	9.82E-04	3.71E-07	1.46E-07	1.63E-04	6.16E-08	1.56E-09	1.65E-04	6.23E-08	1.58E-09	2.68E-07	1.46E-07
5162	477363.09, 3864877.25	0.0018334	6.93E-07	2.72E-07	1.00E-03	3.78E-07	1.48E-07	1.66E-04	6.28E-08	1.59E-09	1.68E-04	6.36E-08	1.61E-09	2.72E-07	1.48E-07
5163	477863.09, 3864877.25	0.0018514	7.00E-07	2.75E-07	1.01E-03	3.82E-07	1.50E-07	1.69E-04	6.40E-08	1.62E-09	1.70E-04	6.42E-08	1.62E-09	2.75E-07	1.50E-07
5164	478363.09, 3864877.25	0.0018542	7.01E-07	2.75E-07	1.01E-03	3.83E-07	1.50E-07	1.71E-04	6.46E-08	1.63E-09	1.73E-04	6.54E-08	1.66E-09	2.75E-07	1.50E-07
5165	478863.09, 3864877.25	0.0018583	7.03E-07	2.76E-07	1.02E-03	3.84E-07	1.51E-07	1.74E-04	6.57E-08	1.66E-09	1.76E-04	6.67E-08	1.69E-09	2.76E-07	1.51E-07
5166	479363.09, 3864877.25	0.0018474	6.98E-07	2.74E-07	1.01E-03	3.83E-07	1.51E-07	1.77E-04	6.69E-08	1.69E-09	1.80E-04	6.79E-08	1.72E-09	2.74E-07	1.51E-07

5167	479863.09, 3864877.25	0.0018219	6.89E-07	2.71E-07	1.00E-03	3.79E-07	1.49E-07	1.80E-04	6.81E-08	1.72E-09	1.83E-04	6.91E-08	1.75E-09	2.71E-07	1.49E-07
5168	480363.09, 3864877.25	0.0017965	6.79E-07	2.67E-07	9.93E-04	3.75E-07	1.47E-07	1.83E-04	6.93E-08	1.75E-09	1.86E-04	7.04E-08	1.78E-09	2.67E-07	1.47E-07
5169	480863.09, 3864877.25	0.0017441	6.59E-07	2.59E-07	9.69E-04	3.66E-07	1.44E-07	1.86E-04	7.05E-08	1.78E-09	1.89E-04	7.16E-08	1.81E-09	2.59E-07	1.44E-07
5170	481363.09, 3864877.25	0.0017378	6.57E-07	2.58E-07	9.70E-04	3.67E-07	1.44E-07	1.93E-04	7.28E-08	1.84E-09	1.94E-04	7.34E-08	1.86E-09	2.58E-07	1.44E-07
5171	481863.09, 3864877.25	0.0017449	6.60E-07	2.59E-07	9.77E-04	3.69E-07	1.45E-07	1.97E-04	7.46E-08	1.89E-09	1.99E-04	7.53E-08	1.90E-09	2.59E-07	1.45E-07
5172	482363.09, 3864877.25	0.0017522	6.62E-07	2.60E-07	9.82E-04	3.71E-07	1.46E-07	2.01E-04	7.58E-08	1.92E-09	2.02E-04	7.65E-08	1.94E-09	2.60E-07	1.46E-07
5173	482863.09, 3864877.25	0.0017463	6.60E-07	2.59E-07	9.81E-04	3.71E-07	1.46E-07	2.04E-04	7.70E-08	1.95E-09	2.07E-04	7.84E-08	1.98E-09	2.59E-07	1.46E-07
5174	483363.09, 3864877.25	0.0017127	6.48E-07	2.54E-07	9.68E-04	3.66E-07	1.44E-07	2.08E-04	7.88E-08	1.99E-09	2.11E-04	7.96E-08	2.01E-09	2.54E-07	1.44E-07
5175	483863.09, 3864877.25	0.0016456	6.22E-07	2.44E-07	9.37E-04	3.54E-07	1.39E-07	2.11E-04	8.00E-08	2.02E-09	2.15E-04	8.15E-08	2.06E-09	2.44E-07	1.39E-07
5176	484363.09, 3864877.25	0.0015763	5.96E-07	2.34E-07	9.06E-04	3.42E-07	1.35E-07	2.15E-04	8.11E-08	2.05E-09	2.20E-04	8.33E-08	2.11E-09	2.34E-07	1.35E-07
5177	484863.09, 3864877.25	0.001525	5.77E-07	2.27E-07	8.84E-04	3.34E-07	1.31E-07	2.19E-04	8.29E-08	2.10E-09	2.25E-04	8.52E-08	2.15E-09	2.27E-07	1.31E-07
5178	485363.09, 3864877.25	0.0015058	5.69E-07	2.24E-07	8.79E-04	3.32E-07	1.30E-07	2.26E-04	8.53E-08	2.16E-09	2.30E-04	8.70E-08	2.20E-09	2.24E-07	1.31E-07
5179	485863.09, 3864877.25	0.0014538	5.50E-07	2.16E-07	8.55E-04	3.23E-07	1.27E-07	2.29E-04	8.65E-08	2.19E-09	2.35E-04	8.89E-08	2.25E-09	2.16E-07	1.27E-07
5180	486363.09, 3864877.25	0.0013917	5.26E-07	2.07E-07	8.27E-04	3.13E-07	1.23E-07	2.32E-04	8.77E-08	2.22E-09	2.38E-04	9.01E-08	2.28E-09	2.07E-07	1.23E-07
5181	486863.09, 3864877.25	0.0013088	4.95E-07	1.94E-07	7.89E-04	2.98E-07	1.17E-07	2.35E-04	8.88E-08	2.25E-09	2.43E-04	9.20E-08	2.33E-09	1.94E-07	1.17E-07
5182	487363.09, 3864877.25	0.0013002	4.92E-07	1.93E-07	7.88E-04	2.98E-07	1.17E-07	2.40E-04	9.06E-08	2.29E-09	2.48E-04	9.38E-08	2.37E-09	1.93E-07	1.17E-07
5183	487863.09, 3864877.25	0.0013284	5.02E-07	1.97E-07	8.05E-04	3.04E-07	1.20E-07	2.46E-04	9.30E-08	2.35E-09	2.53E-04	9.57E-08	2.42E-09	1.97E-07	1.20E-07
5184	488363.09, 3864877.25	0.0013755	5.20E-07	2.04E-07	8.33E-04	3.15E-07	1.24E-07	2.54E-04	9.59E-08	2.43E-09	2.60E-04	9.81E-08	2.48E-09	2.04E-07	1.24E-07
5185	488863.09, 3864877.25	0.0014362	5.43E-07	2.13E-07	8.67E-04	3.28E-07	1.29E-07	2.60E-04	9.83E-08	2.49E-09	2.64E-04	1.00E-07	2.53E-09	2.13E-07	1.29E-07
5186	489363.09, 3864877.25	0.0015259	5.77E-07	2.27E-07	9.15E-04	3.46E-07	1.36E-07	2.66E-04	1.01E-07	2.55E-09	2.68E-04	1.01E-07	2.56E-09	2.27E-07	1.36E-07
5187	489863.09, 3864877.25	0.001696	6.41E-07	2.52E-07	1.00E-03	3.78E-07	1.49E-07	2.71E-04	1.02E-07	2.59E-09	2.73E-04	1.03E-07	2.61E-09	2.52E-07	1.49E-07
5188	490363.09, 3864877.25	0.0019198	7.26E-07	2.85E-07	1.11E-03	4.21E-07	1.65E-07	2.77E-04	1.05E-07	2.65E-09	2.79E-04	1.06E-07	2.67E-09	2.85E-07	1.65E-07
5189	490863.09, 3864877.25	0.0022571	8.53E-07	3.35E-07	1.25E-03	4.74E-07	1.86E-07	2.41E-04	9.12E-08	2.31E-09	2.40E-04	9.07E-08	2.30E-09	3.35E-07	1.86E-07
5190	491363.09, 3864877.25	0.0023316	8.82E-07	3.46E-07	1.31E-03	4.95E-07	1.95E-07	2.71E-04	1.02E-07	2.59E-09	2.77E-04	1.05E-07	2.65E-09	3.46E-07	1.95E-07
5191	491863.09, 3864877.25	0.0023207	8.77E-07	3.45E-07	1.28E-03	4.84E-07	1.90E-07	2.33E-04	8.82E-08	2.23E-09	2.42E-04	9.13E-08	2.31E-09	3.45E-07	1.90E-07
5192	492363.09, 3864877.25	0.0015719	5.94E-07	2.33E-07	8.57E-04	3.24E-07	1.27E-07	1.43E-04	5.39E-08	1.36E-09	1.57E-04	5.92E-08	1.50E-09	2.34E-07	1.27E-07
5193	492863.09, 3864877.25	0.0016725	6.32E-07	2.48E-07	9.12E-04	3.45E-07	1.35E-07	1.52E-04	5.75E-08	1.45E-09	1.71E-04	6.48E-08	1.64E-09	2.49E-07	1.36E-07
5194	493363.09, 3864877.25	0.0015739	5.95E-07	2.34E-07	8.63E-04	3.26E-07	1.28E-07	1.50E-04	5.69E-08	1.44E-09	1.63E-04	6.17E-08	1.56E-09	2.34E-07	1.28E-07
5195	493863.09, 3864877.25	0.0018636	7.05E-07	2.77E-07	1.03E-03	3.91E-07	1.54E-07	1.97E-04	7.46E-08	1.89E-09	2.07E-04	7.84E-08	1.98E-09	2.77E-07	1.54E-07
5196	494363.09, 3864877.25	0.0018981	7.18E-07	2.82E-07	1.07E-03	4.05E-07	1.59E-07	2.29E-04	8.65E-08	2.19E-09	2.30E-04	8.70E-08	2.20E-09	2.82E-07	1.59E-07
5197	494863.09, 3864877.25	0.001908	7.21E-07	2.83E-07	1.08E-03	4.10E-07	1.61E-07	2.40E-04	9.06E-08	2.29E-09	2.40E-04	9.07E-08	2.30E-09	2.83E-07	1.61E-07
5198	495363.09, 3864877.25	0.0019296	7.30E-07	2.87E-07	1.10E-03	4.15E-07	1.63E-07	2.46E-04	9.30E-08	2.35E-09	2.55E-04	9.63E-08	2.44E-09	2.87E-07	1.63E-07
5199	495863.09, 3864877.25	0.0019251	7.28E-07	2.86E-07	1.11E-03	4.18E-07	1.64E-07	2.62E-04	9.89E-08	2.50E-09	2.74E-04	1.04E-07	2.62E-09	2.86E-07	1.64E-07
5200	496363.09, 3864877.25	0.0019499	7.37E-07	2.90E-07	1.11E-03	4.19E-07	1.65E-07	2.48E-04	9.36E-08	2.37E-09	2.61E-04	9.87E-08	2.50E-09	2.90E-07	1.65E-07
5201	496863.09, 3864877.25	0.0019565	7.40E-07	2.91E-07	1.12E-03	4.22E-07	1.66E-07	2.54E-04	9.59E-08	2.43E-09	2.61E-04	9.87E-08	2.50E-09	2.91E-07	1.66E-07
5202	497363.09, 3864877.25	0.0019799	7.49E-07	2.94E-07	1.13E-03	4.29E-07	1.68E-07	2.63E-04	9.95E-08	2.52E-09	2.68E-04	1.01E-07	2.56E-09	2.94E-07	1.68E-07
5203	497863.09, 3864877.25	0.0020205	7.64E-07	3.00E-07	1.16E-03	4.39E-07	1.72E-07	2.74E-04	1.04E-07	2.62E-09	2.77E-04	1.05E-07	2.65E-09	3.00E-07	1.72E-07
5204	498363.09, 3864877.25	0.0020353	7.70E-07	3.02E-07	1.18E-03	4.47E-07	1.76E-07	2.96E-04	1.12E-07	2.83E-09	3.02E-04	1.14E-07	2.89E-09	3.02E-07	1.76E-07
5205	471363.09, 3865377.25	0.0015752	5.96E-07	2.34E-07	8.53E-04	3.22E-07	1.27E-07	1.33E-04	5.03E-08	1.27E-09	1.35E-04	5.12E-08	1.30E-09	2.34E-07	1.27E-07
5206	471863.09, 3865377.25	0.0015907	6.01E-07	2.36E-07	8.61E-04	3.26E-07	1.28E-07	1.35E-04	5.09E-08	1.29E-09	1.37E-04	5.18E-08	1.31E-09	2.36E-07	1.28E-07
5207	472363.09, 3865377.25	0.0015932	6.02E-07	2.37E-07	8.63E-04	3.26E-07	1.28E-07	1.36E-04	5.15E-08	1.30E-09	1.39E-04	5.25E-08	1.33E-09	2.37E-07	1.28E-07
5208	472863.09, 3865377.25	0.0016118	6.09E-07	2.39E-07	8.75E-04	3.31E-07	1.30E-07	1.39E-04	5.27E-08	1.33E-09	1.42E-04	5.37E-08	1.36E-09	2.39E-07	1.30E-07
5209	473363.09, 3865377.25	0.0016012	6.05E-07	2.38E-07	8.70E-04	3.29E-07	1.29E-07	1.41E-04	5.33E-08	1.35E-09	1.44E-04	5.43E-08	1.37E-09	2.38E-07	1.29E-07
5210	473863.09, 3865377.25	0.0016044	6.07E-07	2.38E-07	8.73E-04	3.30E-07	1.30E-07	1.43E-04	5.39E-08	1.36E-09	1.45E-04	5.49E-08	1.39E-09	2.38E-07	1.30E-07
5211	474363.09, 3865377.25	0.0016099	6.09E-07	2.39E-07	8.78E-04	3.32E-07	1.30E-07	1.46E-04	5.51E-08	1.39E-09	1.47E-04	5.55E-08	1.41E-09	2.39E-07	1.30E-07
5212	474863.09, 3865377.25	0.0016133	6.10E-07	2.40E-07	8.80E-04	3.33E-07	1.31E-07	1.47E-04	5.57E-08	1.41E-09	1.49E-04	5.62E-08	1.42E-09	2.40E-07	1.31E-07
5213	475363.09, 3865377.25	0.0016183	6.12E-07	2.40E-07	8.85E-04	3.35E-07	1.31E-07	1.50E-04	5.69E-08	1.44E-09	1.52E-04	5.74E-08	1.45E-09	2.40E-07	1.31E-07
5214	475863.09, 3865377.25	0.0016347	6.18E-07	2.43E-07	8.94E-04	3.38E-07	1.33E-07	1.52E-04	5.75E-08	1.45E-09	1.53E-04	5.80E-08	1.47E-09	2.43E-07	1.33E-07
5215	476363.09, 3865377.25	0.0016939	6.40E-07	2.52E-07	9.25E-04	3.50E-07	1.37E-07	1.55E-04	5.86E-08	1.48E-09	1.57E-04	5.92E-08	1.50E-09	2.52E-07	1.37E-07
5216	476863.09, 3865377.25	0.0017692	6.69E-07	2.63E-07	9.58E-04	3.62E-07	1.42E-07	1.50E-04	5.69E-08	1.44E-09	1.55E-04	5.86E-08	1.48E-09	2.63E-07	1.42E-07
5217	477363.09, 3865377.25	0.0017277	6.53E-07	2.57E-07	9.44E-04	3.57E-07	1.40E-07	1.60E-04	6.04E-08	1.53E-09	1.62E-04	6.11E-08	1.55E-09	2.57E-07	1.40E-07
5218	477863.09, 3865377.25	0.0017183	6.50E-07	2.55E-07	9.42E-04	3.56E-07	1.40E-07	1.63E-04	6.16E-08	1.56E-09	1.65E-04	6.23E-08	1.58E-09	2.55E-07	1.40E-07
5219	478363.09, 3865377.25	0.0017204	6.50E-07	2.56E-07	9.44E-04	3.57E-07	1.40E-07	1.64E-04	6.22E-08	1.57E-09	1.66E-04	6.29E-08	1.59E-09	2.56E-07	1.40E-07
5220	478863.09, 3865377.25	0.0016958	6.41E-07	2.52E-07	9.34E-04	3.53E-07	1.39E-07	1.68E-04	6.34E-08	1.60E-09	1.70E-04	6.42E-08	1.62E-09	2.52E-07	1.39E-07
5221	479363.09, 3865377.25	0.0016818	6.36E-07	2.50E-07	9.28E-04	3.51E-07	1.38E-07	1.69E-04	6.40E-08	1.62E-09	1.73E-04	6.54E-08	1.66E-09	2.50E-07	1.38E-07
5222	479863.09, 3865377.25	0.0016565	6.26E-07	2.46E-07	9.18E-04	3.47E-07	1.36E-07	1.72E-04	6.51E-08	1.65E-09	1.75E-04	6.60E-08	1.67E-09	2.46E-07	1.36E-07
5223	480363.09, 3865377.25	0.0016042	6.07E-07	2.38E-07	8.94E-04	3.38E-07	1.33E-07	1.75E-04	6.63E-08	1.68E-09	1.78E-04	6.73E-08	1.70E-09	2.38E-07	1.33E-07
5224	480863.09, 3865377.25	0.0015666	5.92E-07	2.33E-07	8.78E-04	3.32E-07	1.30E-07	1.79E-04	6.75E-08	1.71E-09	1.81E-04	6.85E-08	1.73E-09	2.33E-07	1.30E-07
5225	481363.09, 3865377.25	0.0015598	5.90E-07	2.32E-07	8.78E-04	3.32E-07	1.30E-07	1.83E-04	6.93E-08	1.75E-09	1.84E-04	6.97E-08	1.76E-09	2.32E-07	1.30E-07
5226	481863.09, 3865377.25	0.0015659	5.92E-07	2.33E-07	8.83E-04	3.34E-07	1.31E-07	1.86E-04	7.05E-08	1.78E-09	1.88E-04	7.10E-08	1.80E-09	2.33E-07	1.31E-07
5227	482363.09, 3865377.25	0.0015713	5.94E-07	2.33E-07	8.86E-04	3.35E-07	1.32E-07	1.88E-04	7.11E-08	1.80E-09	1.91E-04	7.22E-08	1.83E-09	2.33E-07	1.32E-07
5228	482863.09, 3865377.25	0.0015639	5.91E-07	2.32E-07	8.85E-04	3.34E-07	1.31E-07	1.91E-04	7.23E-08	1.83E-09	1.94E-04	7.34E-08	1.86E-09	2.32E-07	1.31E-07
5229	483363.09, 3865377.25	0.001526	5.77E-07	2.27E-07	8.68E-04	3.28E-07	1.29E-07	1.94E-04	7.34E-08	1.86E-09	1.98E-04	7.47E-08	1.89E-09	2.27E-07	1.29E-07
5230	483863.09, 3865377.25	0.0014716	5.56E-07	2.19E-07	8.44E-04	3.19E-07	1.25E-07	1.97E-04	7.46E-08	1.89E-09	2.01E-04	7.59E-08	1.92E-09	2.19E-07	1.25E-07
5231	484363.09, 3865377.25	0.001415	5.35E-07	2.10E-07	8.17E-04	3.09E-07	1.21E-07	1.99E-04	7.52E-08	1.90E-09	2.04E-04	7.71E-08	1.95E-09	2.10E-07	1.21E-07
5232	484863.09, 3865377.25	0.0013791	5.21E-07	2.05E-07	8.03E-04	3.03E-07	1.19E-07	2.04E-04	7.70E-08	1.95E-09	2.09E-04	7.90E-08	2.00E-09	2.05E-07	1.19E-07
5233	485363.09, 3865377.25	0.0013286	5.02E-07	1.97E-07	7.80E-04	2.95E-07	1.16E-07	2.07E-04	7.82E-08	1.98E-09	2.12E-04	8.02E-08	2.03E-09	1.97E-07	1.16E-07
5234	485863.09, 3865377.25	0.0012919	4.88E-07	1.92E-07	7.65E-04	2.89E-07	1.14E-07	2.11E-04	8.00E-08	2.02E-09	2.17E-04	8.21E-08	2.08E-09	1.92E-07	1.14E-07
5235	486363.09, 3865377.25	0.001243	4.70E-07	1.85E-07	7.43E-04	2.81E-07	1.10E-07	2.13E-04	8.05E-08	2.04E-09	2.20E-04	8.33E-08	2.11E-09	1.85E-07	1.10E-07
5236	486863.09, 3865377.25	0.0011731	4.44E-07	1.74E-07	7.11E-04	2.69E-07	1.06E-07	2.16E-04	8.17E-08	2.07E-09	2.22E-04	8.39E-08	2.12E-09	1.74E-07	1.06E-07
5237	487363.09, 3865377.25	0.0011606	4.39E-07	1.72E-07	7.06E-04	2.67E-07	1.05E-07	2.19E-04	8.29E-08	2.10E-09	2.25E-04	8.52E-08	2.15E-09	1.72E-07	1.05E-07
5238	487863.09, 3865377.25	0.0011718	4.43E-07	1.74E-07	7.14E-04	2.70E-07	1.06E-07	2.22E-04	8.41E-08	2.13E-09	2.30E-04	8.70E-08	2.20E-09	1.74E-07	1.06E-07
5239	488363.09, 3865377.25	0.0012014	4.54E-07	1.78E-07	7.31E-04	2.77E-07	1.09E-07	2.27E-04	8.59E-08	2.17E-09	2.33E-04	8.83E-08	2.23E-09	1.79E-07	1.09E-07
5240	488863.09, 3865377.25	0.0012508	4.73E-07	1.86E-07	7.60E-04	2.88E-07	1.13E-07	2.35E-04	8.88E-08	2.25E-09	2.38E-04	9.01E-08	2.28E-09	1.86E-07	1.13E-07
5241	489363.09, 3865377.25	0.00134	5.07E-07	1.99E-07	8.08E-04	3.05E-07	1.20E-07	2.41E-04	9.12E-08	2.31E-09	2.45E-04	9.26E-08	2.34E-09	1.99E-07	1.20E-07
5242	489863.09, 3865377.25	0.0014702	5.56E-07	2.18E-07	8.74E-04	3.31E-07	1.30E-07	2.46E-04	9.30E-08	2.35E-09	2.48E-04	9.38E-08	2.37E-09	2.18E-07	1.30E-07
5243	490363.09, 3865377.25	0.0017093	6.46E-07	2.54E-07	9.75E-04	3.68E-07	1.45E-07	2.21E-04	8.35E-08	2.11E-09	2.24E-04	8.45E-08	2.14E-09	2.54E-07	1.45E-07
5244	490863.09, 3865377.25	0.0019458	7.36E-07	2.89E-07	1.09E-03	4.10E-07	1.61E-07	2.15E-04	8.11E-08	2.05E-09	2.14E-04	8.08E-08	2.05E-09	2.89E-07	1.61E-07
5245	491363.09, 3865377.25	0.0021353	8.07E-07	3.17E-07	1.17E-03	4.44E-07	1.75E-07	2.10E-04	7.94E-08	2.01E-09	2.11E-04	7.96E-08	2.01E-09	3.17E-07	1.75E-07
5246	491863.09, 3865377.25	0.0021722	8.21E-07	3.23E-07	1.19E-03	4.51E-07	1.77E-07	2.10E-04	7.94E-08	2.01E-09	2.15E-04	8.15E-08	2.06E-09	3.23E-07	1.77E-07
5247	492363.09, 3865377.25	0.0020685	7.82E-07	3.07E-07	1.12E-03	4.24E-07	1.67E-07	1.77E-04	6.69E-08	1.69E-09	1.89E-04	7.16E-08	1.81E-09	3.07E-07	1.67E-07
5248	492863.09, 3865377.25	0.0017544	6.63E-07	2.61E-07	9.50E-04	3.59E-07	1.41E-07	1.49E-04	5.63E-08	1.42E-09	1.66E-04	6.29E-08	1.59E-09	2.61E-07	1.41E-07
5249	493363.09, 3865377.25	0.0014435	5.46E-07	2.14E-07	7.91E-04	2.99E-07	1.17E-07	1.36E-04	5.15E-08	1.30E-09	1.52E-04	5.74E-08	1.45E-09	2.15E-07	1.18E-07
5250	493863.09, 3865377.25	0.0015839	5.99E-07	2.35E-07	8.70E-04	3.29E-07	1.29E-07	1.54E-04	5.80E-08	1.47E-09	1.68E-04	6.36E-08	1.61E-09	2.35E-07	1.29E-07
5251	494363.09, 3865377.25	0.0016554	6.26E-07	2.46E-07	9.20E-04	3.48E-07	1.37E-07	1.77E-04	6.69E-08	1.69E-09	1.86E-04	7.04E-08	1.78E-09	2.46E-07	1.37E-07
5252	494863.09, 3865377.25	0.0016738	6.33E-07	2.49E-07	9.41E-04	3.56E-07	1.40E-07	1.96E-04	7.40E-08	1.87E-09	1.98E-04	7.47E-08	1.89E-09	2.49E-07	1.40E-07
5253	495363.09, 3865377.25	0.0016964	6.41E-07	2.52E-07	9.58E-04	3.62E-07	1.42E-07	2.05E-04	7.76E-08	1.96E-09	2.04E-04	7.71E-08	1.95E-09	2.52E-07	1.42E-07
5254	495863.09, 3865377.25	0.0017126	6.48E-07	2.54E-07	9.74E-04	3.68E-07	1.45E-07	2.18E-04	8.23E-08	2.08E-09	2.25E-04	8.52E-08	2.15E-09	2.54E-07	1.45E-07
5255	496363.09, 3865377.25	0.001709	6.46E-07	2.54E-07	9.62E-04	3.64E-07	1.43E-07	2.02E-04	7.64E-08	1.93E-09	2.15E-04	8.15E-08	2.06E-09	2.54E-07	1.43E-07
5256	496863.09, 3865377.25	0.00173	6.54E-07	2.57E-07	9.68E-04	3.66E-07	1.44E-07	1.96E-04	7.40E-08	1.87E-09	2.11E-04	7.96E-08	2.01E-09	2.57E-07	1.44E-07
5257	497363.09, 3865377.25	0.0017548	6.63E-07	2.61E-07	9.94E-04	3.76E-07	1.48E-07	2.16E-04	8.17E-08	2.07E-09	2.24E-04	8.45E-08	2.14E-09	2.61E-07	1.48E-07
5258	497863.09, 3865377.25	0.0017747	6.71E-07	2.64E-07	1.01E-03	3.81E-07	1.50E-07	2.22E-04	8.41E-08	2.13E-09	2.25E-04	8.52E-08	2.15E-09	2.64E-07	1.50E-07
5259	498363.09, 3865377.25	0.001795	6.79E-07	2.67E-07	1.01E-03	3.83E-07	1.51E-07	2.18E-04	8.23E-08	2.08E-09	2.20E-04	8.33E-08	2.11E-09	2.67E-07	1.51E-07
5260	471363.09, 3865877.25	0.0014856	5.62E-07	2.21E-07	8.06E-04	3.05E-07	1.20E-07	1.28E-04	4.86E-08	1.23E-09	1.31E-04	4.94E-08	1.25E-09	2.21E-07	1.20E-07

5261	471863.09, 3865877.25	0.0014902	5.63E-07	2.21E-07	8.10E-04	3.06E-07	1.20E-07	1.32E-04	4.98E-08	1.26E-09	1.34E-04	5.06E-08	1.28E-09	2.21E-07	1.20E-07
5262	472363.09, 3865877.25	0.001507	5.70E-07	2.24E-07	8.19E-04	3.10E-07	1.22E-07	1.33E-04	5.03E-08	1.27E-09	1.35E-04	5.12E-08	1.30E-09	2.24E-07	1.22E-07
5263	472863.09, 3865877.25	0.0014964	5.66E-07	2.22E-07	8.15E-04	3.08E-07	1.21E-07	1.35E-04	5.09E-08	1.29E-09	1.37E-04	5.18E-08	1.31E-09	2.22E-07	1.21E-07
5264	473363.09, 3865877.25	0.0014996	5.67E-07	2.23E-07	8.18E-04	3.09E-07	1.21E-07	1.36E-04	5.15E-08	1.30E-09	1.39E-04	5.25E-08	1.33E-09	2.23E-07	1.22E-07
5265	473863.09, 3865877.25	0.0015047	5.69E-07	2.23E-07	8.22E-04	3.11E-07	1.22E-07	1.39E-04	5.27E-08	1.33E-09	1.40E-04	5.31E-08	1.34E-09	2.24E-07	1.22E-07
5266	474363.09, 3865877.25	0.0015077	5.70E-07	2.24E-07	8.25E-04	3.12E-07	1.23E-07	1.41E-04	5.33E-08	1.35E-09	1.44E-04	5.43E-08	1.37E-09	2.24E-07	1.23E-07
5267	474863.09, 3865877.25	0.0015262	5.77E-07	2.27E-07	8.36E-04	3.16E-07	1.24E-07	1.44E-04	5.45E-08	1.38E-09	1.45E-04	5.49E-08	1.39E-09	2.27E-07	1.24E-07
5268	475363.09, 3865877.25	0.0015284	5.78E-07	2.27E-07	8.38E-04	3.17E-07	1.24E-07	1.46E-04	5.51E-08	1.39E-09	1.47E-04	5.55E-08	1.41E-09	2.27E-07	1.24E-07
5269	475863.09, 3865877.25	0.0015459	5.84E-07	2.30E-07	8.49E-04	3.21E-07	1.26E-07	1.49E-04	5.63E-08	1.42E-09	1.50E-04	5.68E-08	1.44E-09	2.30E-07	1.26E-07
5270	476363.09, 3865877.25	0.0016152	6.11E-07	2.40E-07	8.82E-04	3.34E-07	1.31E-07	1.49E-04	5.63E-08	1.42E-09	1.52E-04	5.74E-08	1.45E-09	2.40E-07	1.31E-07
5271	476863.09, 3865877.25	0.0016656	6.30E-07	2.47E-07	9.05E-04	3.42E-07	1.34E-07	1.46E-04	5.51E-08	1.39E-09	1.50E-04	5.68E-08	1.44E-09	2.47E-07	1.34E-07
5272	477363.09, 3865877.25	0.0016245	6.14E-07	2.41E-07	8.91E-04	3.37E-07	1.32E-07	1.55E-04	5.86E-08	1.48E-09	1.57E-04	5.92E-08	1.50E-09	2.41E-07	1.32E-07
5273	477863.09, 3865877.25	0.0015985	6.04E-07	2.37E-07	8.79E-04	3.32E-07	1.31E-07	1.57E-04	5.92E-08	1.50E-09	1.60E-04	6.05E-08	1.53E-09	2.37E-07	1.31E-07
5274	478363.09, 3865877.25	0.0015855	5.99E-07	2.35E-07	8.74E-04	3.30E-07	1.30E-07	1.58E-04	5.98E-08	1.51E-09	1.62E-04	6.11E-08	1.55E-09	2.36E-07	1.30E-07
5275	478863.09, 3865877.25	0.001558	5.89E-07	2.31E-07	8.61E-04	3.26E-07	1.28E-07	1.60E-04	6.04E-08	1.53E-09	1.63E-04	6.17E-08	1.56E-09	2.31E-07	1.28E-07
5276	479363.09, 3865877.25	0.0015308	5.79E-07	2.27E-07	8.49E-04	3.21E-07	1.26E-07	1.61E-04	6.10E-08	1.54E-09	1.65E-04	6.23E-08	1.58E-09	2.27E-07	1.26E-07
5277	479863.09, 3865877.25	0.0014904	5.63E-07	2.21E-07	8.31E-04	3.14E-07	1.23E-07	1.63E-04	6.16E-08	1.56E-09	1.66E-04	6.29E-08	1.59E-09	2.21E-07	1.23E-07
5278	480363.09, 3865877.25	0.0014528	5.49E-07	2.16E-07	8.14E-04	3.08E-07	1.21E-07	1.66E-04	6.28E-08	1.59E-09	1.68E-04	6.36E-08	1.61E-09	2.16E-07	1.21E-07
5279	480863.09, 3865877.25	0.0014141	5.35E-07	2.10E-07	7.96E-04	3.01E-07	1.18E-07	1.68E-04	6.34E-08	1.60E-09	1.71E-04	6.48E-08	1.64E-09	2.10E-07	1.18E-07
5280	481363.09, 3865877.25	0.0014079	5.32E-07	2.09E-07	7.97E-04	3.01E-07	1.18E-07	1.72E-04	6.51E-08	1.65E-09	1.75E-04	6.60E-08	1.67E-09	2.09E-07	1.18E-07
5281	481863.09, 3865877.25	0.0014127	5.34E-07	2.10E-07	8.00E-04	3.02E-07	1.19E-07	1.74E-04	6.57E-08	1.66E-09	1.76E-04	6.67E-08	1.69E-09	2.10E-07	1.19E-07
5282	482363.09, 3865877.25	0.0014175	5.36E-07	2.11E-07	8.03E-04	3.04E-07	1.19E-07	1.75E-04	6.63E-08	1.68E-09	1.80E-04	6.79E-08	1.72E-09	2.11E-07	1.19E-07
5283	482863.09, 3865877.25	0.0013946	5.27E-07	2.07E-07	7.94E-04	3.00E-07	1.18E-07	1.79E-04	6.75E-08	1.71E-09	1.81E-04	6.85E-08	1.73E-09	2.07E-07	1.18E-07
5284	483363.09, 3865877.25	0.0013688	5.18E-07	2.03E-07	7.84E-04	2.96E-07	1.16E-07	1.82E-04	6.87E-08	1.74E-09	1.84E-04	6.97E-08	1.76E-09	2.03E-07	1.16E-07
5285	483863.09, 3865877.25	0.0013258	5.01E-07	1.97E-07	7.64E-04	2.89E-07	1.13E-07	1.83E-04	6.93E-08	1.75E-09	1.88E-04	7.10E-08	1.80E-09	1.97E-07	1.13E-07
5286	484363.09, 3865877.25	0.0012864	4.86E-07	1.91E-07	7.46E-04	2.82E-07	1.11E-07	1.86E-04	7.05E-08	1.78E-09	1.91E-04	7.22E-08	1.83E-09	1.91E-07	1.11E-07
5287	484863.09, 3865877.25	0.0012362	4.67E-07	1.84E-07	7.24E-04	2.74E-07	1.08E-07	1.90E-04	7.17E-08	1.81E-09	1.94E-04	7.34E-08	1.86E-09	1.84E-07	1.08E-07
5288	485363.09, 3865877.25	0.001183	4.47E-07	1.76E-07	6.99E-04	2.64E-07	1.04E-07	1.91E-04	7.23E-08	1.83E-09	1.98E-04	7.47E-08	1.89E-09	1.76E-07	1.04E-07
5289	485863.09, 3865877.25	0.0011581	4.38E-07	1.72E-07	6.89E-04	2.61E-07	1.02E-07	1.94E-04	7.34E-08	1.86E-09	1.99E-04	7.53E-08	1.90E-09	1.72E-07	1.02E-07
5290	486363.09, 3865877.25	0.0011106	4.20E-07	1.65E-07	6.67E-04	2.52E-07	9.91E-08	1.96E-04	7.40E-08	1.87E-09	2.01E-04	7.59E-08	1.92E-09	1.65E-07	9.91E-08
5291	486863.09, 3865877.25	0.0010781	4.08E-07	1.60E-07	6.52E-04	2.47E-07	9.69E-08	1.97E-04	7.46E-08	1.89E-09	2.04E-04	7.71E-08	1.95E-09	1.60E-07	9.69E-08
5292	487363.09, 3865877.25	0.0010651	4.03E-07	1.58E-07	6.48E-04	2.45E-07	9.62E-08	2.01E-04	7.58E-08	1.92E-09	2.07E-04	7.84E-08	1.98E-09	1.58E-07	9.63E-08
5293	487863.09, 3865877.25	0.001051	3.97E-07	1.56E-07	6.44E-04	2.43E-07	9.57E-08	2.05E-04	7.76E-08	1.96E-09	2.12E-04	8.02E-08	2.03E-09	1.56E-07	9.57E-08
5294	488363.09, 3865877.25	0.0010542	3.99E-07	1.57E-07	6.49E-04	2.45E-07	9.63E-08	2.10E-04	7.94E-08	2.01E-09	2.17E-04	8.21E-08	2.08E-09	1.57E-07	9.64E-08
5295	488863.09, 3865877.25	0.0011017	4.17E-07	1.64E-07	6.76E-04	2.55E-07	1.00E-07	2.16E-04	8.17E-08	2.07E-09	2.20E-04	8.33E-08	2.11E-09	1.64E-07	1.00E-07
5296	489363.09, 3865877.25	0.001175	4.44E-07	1.75E-07	7.14E-04	2.70E-07	1.06E-07	2.21E-04	8.35E-08	2.11E-09	2.24E-04	8.45E-08	2.14E-09	1.75E-07	1.06E-07
5297	489863.09, 3865877.25	0.0012878	4.87E-07	1.91E-07	7.70E-04	2.91E-07	1.14E-07	2.22E-04	8.41E-08	2.13E-09	2.25E-04	8.52E-08	2.15E-09	1.91E-07	1.14E-07
5298	490363.09, 3865877.25	0.0014547	5.50E-07	2.16E-07	8.47E-04	3.20E-07	1.26E-07	2.15E-04	8.11E-08	2.05E-09	2.17E-04	8.21E-08	2.08E-09	2.16E-07	1.26E-07
5299	490863.09, 3865877.25	0.0016665	6.30E-07	2.48E-07	9.41E-04	3.56E-07	1.40E-07	2.01E-04	7.58E-08	1.92E-09	2.01E-04	7.59E-08	1.92E-09	2.48E-07	1.40E-07
5300	491363.09, 3865877.25	0.0018804	7.11E-07	2.79E-07	1.04E-03	3.92E-07	1.54E-07	1.86E-04	7.05E-08	1.78E-09	1.88E-04	7.10E-08	1.80E-09	2.79E-07	1.54E-07
5301	491863.09, 3865877.25	0.0019965	7.55E-07	2.97E-07	1.09E-03	4.13E-07	1.62E-07	1.86E-04	7.05E-08	1.78E-09	1.89E-04	7.16E-08	1.81E-09	2.97E-07	1.62E-07
5302	492363.09, 3865877.25	0.0019918	7.53E-07	2.96E-07	1.08E-03	4.09E-07	1.61E-07	1.75E-04	6.63E-08	1.68E-09	1.84E-04	6.97E-08	1.76E-09	2.96E-07	1.61E-07
5303	492863.09, 3865877.25	0.0017883	6.76E-07	2.66E-07	9.63E-04	3.64E-07	1.43E-07	1.44E-04	5.45E-08	1.38E-09	1.58E-04	5.99E-08	1.51E-09	2.66E-07	1.43E-07
5304	493363.09, 3865877.25	0.0015606	5.90E-07	2.32E-07	8.49E-04	3.21E-07	1.26E-07	1.38E-04	5.21E-08	1.32E-09	1.53E-04	5.80E-08	1.47E-09	2.32E-07	1.26E-07
5305	493863.09, 3865877.25	0.001487	5.62E-07	2.21E-07	8.17E-04	3.09E-07	1.21E-07	1.44E-04	5.45E-08	1.38E-09	1.60E-04	6.05E-08	1.53E-09	2.21E-07	1.21E-07
5306	494363.09, 3865877.25	0.0015039	5.69E-07	2.23E-07	8.32E-04	3.15E-07	1.24E-07	1.55E-04	5.86E-08	1.48E-09	1.70E-04	6.42E-08	1.62E-09	2.24E-07	1.24E-07
5307	494863.09, 3865877.25	0.0015014	5.68E-07	2.23E-07	8.45E-04	3.20E-07	1.26E-07	1.77E-04	6.69E-08	1.69E-09	1.86E-04	7.04E-08	1.78E-09	2.23E-07	1.26E-07
5308	495363.09, 3865877.25	0.0015049	5.69E-07	2.24E-07	8.51E-04	3.22E-07	1.26E-07	1.83E-04	6.93E-08	1.75E-09	1.84E-04	6.97E-08	1.76E-09	2.24E-07	1.26E-07
5309	495863.09, 3865877.25	0.0015289	5.78E-07	2.27E-07	8.62E-04	3.26E-07	1.28E-07	1.83E-04	6.93E-08	1.75E-09	1.83E-04	6.91E-08	1.75E-09	2.27E-07	1.28E-07
5310	496363.09, 3865877.25	0.001531	5.79E-07	2.27E-07	8.58E-04	3.25E-07	1.28E-07	1.75E-04	6.63E-08	1.68E-09	1.81E-04	6.85E-08	1.73E-09	2.27E-07	1.28E-07
5311	496863.09, 3865877.25	0.001536	5.81E-07	2.28E-07	8.55E-04	3.23E-07	1.27E-07	1.66E-04	6.28E-08	1.59E-09	1.80E-04	6.79E-08	1.72E-09	2.28E-07	1.27E-07
5312	497363.09, 3865877.25	0.0015583	5.89E-07	2.31E-07	8.69E-04	3.28E-07	1.29E-07	1.71E-04	6.46E-08	1.63E-09	1.84E-04	6.97E-08	1.76E-09	2.32E-07	1.29E-07
5313	497863.09, 3865877.25	0.0015679	5.93E-07	2.33E-07	8.78E-04	3.32E-07	1.30E-07	1.79E-04	6.75E-08	1.71E-09	1.89E-04	7.16E-08	1.81E-09	2.33E-07	1.31E-07
5314	498363.09, 3865877.25	0.0015927	6.02E-07	2.37E-07	8.83E-04	3.34E-07	1.31E-07	1.68E-04	6.34E-08	1.60E-09	1.71E-04	6.48E-08	1.64E-09	2.37E-07	1.31E-07
5315	471363.09, 3866377.25	0.0014129	5.34E-07	2.10E-07	7.69E-04	2.91E-07	1.14E-07	1.25E-04	4.74E-08	1.20E-09	1.29E-04	4.88E-08	1.23E-09	2.10E-07	1.14E-07
5316	471863.09, 3866377.25	0.001416	5.35E-07	2.10E-07	7.71E-04	2.92E-07	1.15E-07	1.27E-04	4.80E-08	1.21E-09	1.31E-04	4.94E-08	1.25E-09	2.10E-07	1.15E-07
5317	472363.09, 3866377.25	0.001421	5.37E-07	2.11E-07	7.76E-04	2.93E-07	1.15E-07	1.30E-04	4.92E-08	1.24E-09	1.32E-04	5.00E-08	1.26E-09	2.11E-07	1.15E-07
5318	472863.09, 3866377.25	0.0014101	5.33E-07	2.09E-07	7.71E-04	2.92E-07	1.15E-07	1.32E-04	4.98E-08	1.26E-09	1.34E-04	5.06E-08	1.28E-09	2.09E-07	1.15E-07
5319	473363.09, 3866377.25	0.0014133	5.34E-07	2.10E-07	7.74E-04	2.93E-07	1.15E-07	1.33E-04	5.03E-08	1.27E-09	1.35E-04	5.12E-08	1.30E-09	2.10E-07	1.15E-07
5320	473863.09, 3866377.25	0.0014181	5.36E-07	2.11E-07	7.78E-04	2.94E-07	1.16E-07	1.36E-04	5.15E-08	1.30E-09	1.37E-04	5.18E-08	1.31E-09	2.11E-07	1.16E-07
5321	474363.09, 3866377.25	0.0014205	5.37E-07	2.11E-07	7.80E-04	2.95E-07	1.16E-07	1.38E-04	5.21E-08	1.32E-09	1.40E-04	5.31E-08	1.34E-09	2.11E-07	1.16E-07
5322	474863.09, 3866377.25	0.0014226	5.38E-07	2.11E-07	7.82E-04	2.96E-07	1.16E-07	1.39E-04	5.27E-08	1.33E-09	1.42E-04	5.37E-08	1.36E-09	2.11E-07	1.16E-07
5323	475363.09, 3866377.25	0.0014242	5.38E-07	2.12E-07	7.84E-04	2.97E-07	1.16E-07	1.41E-04	5.33E-08	1.35E-09	1.44E-04	5.43E-08	1.37E-09	2.12E-07	1.17E-07
5324	475863.09, 3866377.25	0.0014402	5.45E-07	2.14E-07	7.93E-04	3.00E-07	1.18E-07	1.43E-04	5.39E-08	1.36E-09	1.45E-04	5.49E-08	1.39E-09	2.14E-07	1.18E-07
5325	476363.09, 3866377.25	0.0014985	5.67E-07	2.23E-07	8.22E-04	3.11E-07	1.22E-07	1.44E-04	5.45E-08	1.38E-09	1.47E-04	5.55E-08	1.41E-09	2.23E-07	1.22E-07
5326	476863.09, 3866377.25	0.0015571	5.89E-07	2.31E-07	8.46E-04	3.20E-07	1.26E-07	1.36E-04	5.15E-08	1.30E-09	1.42E-04	5.37E-08	1.36E-09	2.31E-07	1.26E-07
5327	477363.09, 3866377.25	0.0015403	5.82E-07	2.29E-07	8.43E-04	3.19E-07	1.25E-07	1.44E-04	5.45E-08	1.38E-09	1.49E-04	5.62E-08	1.42E-09	2.29E-07	1.25E-07
5328	477863.09, 3866377.25	0.0014914	5.64E-07	2.22E-07	8.23E-04	3.11E-07	1.22E-07	1.50E-04	5.69E-08	1.44E-09	1.52E-04	5.74E-08	1.45E-09	2.22E-07	1.22E-07
5329	478363.09, 3866377.25	0.0014617	5.53E-07	2.17E-07	8.09E-04	3.06E-07	1.20E-07	1.50E-04	5.69E-08	1.44E-09	1.53E-04	5.80E-08	1.47E-09	2.17E-07	1.20E-07
5330	478863.09, 3866377.25	0.0014347	5.42E-07	2.13E-07	7.96E-04	3.01E-07	1.18E-07	1.52E-04	5.75E-08	1.45E-09	1.55E-04	5.86E-08	1.48E-09	2.13E-07	1.18E-07
5331	479363.09, 3866377.25	0.0013944	5.27E-07	2.07E-07	7.78E-04	2.94E-07	1.16E-07	1.54E-04	5.80E-08	1.47E-09	1.57E-04	5.92E-08	1.50E-09	2.07E-07	1.16E-07
5332	479863.09, 3866377.25	0.0013551	5.12E-07	2.01E-07	7.60E-04	2.87E-07	1.13E-07	1.55E-04	5.86E-08	1.48E-09	1.58E-04	5.99E-08	1.51E-09	2.01E-07	1.13E-07
5333	480363.09, 3866377.25	0.0013161	4.98E-07	1.95E-07	7.42E-04	2.80E-07	1.10E-07	1.57E-04	5.92E-08	1.50E-09	1.60E-04	6.05E-08	1.53E-09	1.96E-07	1.10E-07
5334	480863.09, 3866377.25	0.00128	4.84E-07	1.90E-07	7.26E-04	2.75E-07	1.08E-07	1.60E-04	6.04E-08	1.53E-09	1.62E-04	6.11E-08	1.55E-09	1.90E-07	1.08E-07
5335	481363.09, 3866377.25	0.0012862	4.86E-07	1.91E-07	7.31E-04	2.76E-07	1.09E-07	1.63E-04	6.16E-08	1.56E-09	1.65E-04	6.23E-08	1.58E-09	1.91E-07	1.09E-07
5336	481863.09, 3866377.25	0.0012907	4.88E-07	1.92E-07	7.34E-04	2.78E-07	1.09E-07	1.64E-04	6.22E-08	1.57E-09	1.66E-04	6.29E-08	1.59E-09	1.92E-07	1.09E-07
5337	482363.09, 3866377.25	0.0012804	4.84E-07	1.90E-07	7.30E-04	2.76E-07	1.08E-07	1.66E-04	6.28E-08	1.59E-09	1.68E-04	6.36E-08	1.61E-09	1.90E-07	1.09E-07
5338	482863.09, 3866377.25	0.0012676	4.79E-07	1.88E-07	7.25E-04	2.74E-07	1.08E-07	1.68E-04	6.34E-08	1.60E-09	1.71E-04	6.48E-08	1.64E-09	1.88E-07	1.08E-07
5339	483363.09, 3866377.25	0.0012529	4.74E-07	1.86E-07	7.19E-04	2.72E-07	1.07E-07	1.69E-04	6.40E-08	1.62E-09	1.73E-04	6.54E-08	1.66E-09	1.86E-07	1.07E-07
5340	483863.09, 3866377.25	0.0012262	4.64E-07	1.82E-07	7.08E-04	2.68E-07	1.05E-07	1.72E-04	6.51E-08	1.65E-09	1.76E-04	6.67E-08	1.69E-09	1.82E-07	1.05E-07
5341	484363.09, 3866377.25	0.0011708	4.43E-07	1.74E-07	6.81E-04	2.58E-07	1.01E-07	1.72E-04	6.51E-08	1.65E-09	1.78E-04	6.73E-08	1.70E-09	1.74E-07	1.01E-07
5342	484863.09, 3866377.25	0.0011209	4.24E-07	1.66E-07	6.59E-04	2.49E-07	9.79E-08	1.75E-04	6.63E-08	1.68E-09	1.80E-04	6.79E-08	1.72E-09	1.67E-07	9.79E-08
5343	485363.09, 3866377.25	0.0010531	3.98E-07	1.56E-07	6.27E-04	2.37E-07	9.31E-08	1.77E-04	6.69E-08	1.69E-09	1.83E-04	6.91E-08	1.75E-09	1.56E-07	9.32E-08
5344	485863.09, 3866377.25	0.0010428	3.94E-07	1.55E-07	6.24E-04	2.36E-07	9.27E-08	1.80E-04	6.81E-08	1.72E-09	1.86E-04	7.04E-08	1.78E-09	1.55E-07	9.27E-08
5345	486363.09, 3866377.25	0.0010252	3.88E-07	1.52E-07	6.17E-04	2.33E-07	9.17E-08	1.83E-04	6.93E-08	1.75E-09	1.89E-04	7.16E-08	1.81E-09	1.52E-07	9.17E-08
5346	486863.09, 3866377.25	0.0010074	3.81E-07	1.50E-07	6.11E-04	2.31E-07	9.07E-08	1.86E-04	7.05E-08	1.78E-09	1.93E-04	7.28E-08	1.84E-09	1.50E-07	9.08E-08
5347	487363.09, 3866377.25	0.0010077	3.81E-07	1.50E-07	6.13E-04	2.32E-07	9.10E-08	1.90E-04	7.17E-08	1.81E-09	1.96E-04	7.41E-08	1.87E-09	1.50E-07	9.11E-08
5348	487863.09, 3866377.25	0.0009877	3.73E-07	1.47E-07	6.03E-04	2.28E-07	8.96E-08	1.90E-04	7.17E-08	1.81E-09	1.96E-04	7.41E-08	1.87E-09	1.47E-07	8.96E-08
5349	488363.09, 3866377.25	0.0009623	3.64E-07	1.43E-07	5.93E-04	2.24E-07	8.80E-08	1.93E-04	7.28E-08	1.84E-09	1.99E-04	7.53E-08	1.90E-09	1.43E-07	8.81E-08
5350	488863.09, 3866377.25	0.0009803	3.71E-07	1.46E-07	5.97E-04	2.26E-07	8.87E-08	1.86E-04	7.05E-08	1.78E-09	1.93E-04	7.28E-08	1.84E-09	1.46E-07	8.88E-08
5351	489363.09, 3866377.25	0.0010544	3.99E-07	1.57E-07	6.31E-04	2.38E-07	9.37E-08	1.82E-04	6.87E-08	1.74E-09	1.88E-04	7.10E-08	1.80E-09	1.57E-07	9.37E-08
5352	489863.09, 3866377.25	0.0011551	4.37E-07	1.72E-07	6.75E-04	2.55E-07	1.00E-07	1.74E-04	6.57E-08	1.66E-09	1.78E-04	6.73E-08	1.70E-09	1.72E-07	1.00E-07
5353	490363.09, 3866377.25	0.0012657	4.79E-07	1.88E-07	7.42E-04	2.81E-07	1.10E-07	1.96E-04	7.40E-08	1.87E-09	1.98E-04	7.47E-08	1.89E-09	1.88E-07	1.10E-07
5354	490863.09, 3866377.25	0.0014197	5.37E-07	2.11E-07	8.20E-04	3.10E-07	1.22E-07	2.01E-04	7.58E-08	1.92E-09	2.02E-04	7.65E-08	1.94E-09	2.11E-07	1.22E-07

5355	491363.09, 3866377.25	0.001614	6.10E-07	2.40E-07	9.10E-04	3.44E-07	1.35E-07	1.93E-04	7.28E-08	1.84E-09	1.93E-04	7.28E-08	1.84E-09	2.40E-07	1.35E-07
5356	491863.09, 3866377.25	0.001792	6.78E-07	2.66E-07	9.75E-04	3.69E-07	1.45E-07	1.60E-04	6.04E-08	1.53E-09	1.63E-04	6.17E-08	1.56E-09	2.66E-07	1.45E-07
5357	492363.09, 3866377.25	0.0018572	7.02E-07	2.76E-07	1.01E-03	3.81E-07	1.50E-07	1.61E-04	6.10E-08	1.54E-09	1.66E-04	6.29E-08	1.59E-09	2.76E-07	1.50E-07
5358	492863.09, 3866377.25	0.0017908	6.77E-07	2.66E-07	9.67E-04	3.65E-07	1.44E-07	1.47E-04	5.57E-08	1.41E-09	1.57E-04	5.92E-08	1.50E-09	2.66E-07	1.44E-07
5359	493363.09, 3866377.25	0.0016566	6.26E-07	2.46E-07	9.00E-04	3.40E-07	1.34E-07	1.46E-04	5.51E-08	1.39E-09	1.57E-04	5.92E-08	1.50E-09	2.46E-07	1.34E-07
5360	493863.09, 3866377.25	0.0015059	5.69E-07	2.24E-07	8.28E-04	3.13E-07	1.23E-07	1.47E-04	5.57E-08	1.41E-09	1.60E-04	6.05E-08	1.53E-09	2.24E-07	1.23E-07
5361	494363.09, 3866377.25	0.0013929	5.27E-07	2.07E-07	7.78E-04	2.94E-07	1.16E-07	1.55E-04	5.86E-08	1.48E-09	1.70E-04	6.42E-08	1.62E-09	2.07E-07	1.16E-07
5362	494863.09, 3866377.25	0.0013626	5.15E-07	2.02E-07	7.62E-04	2.88E-07	1.13E-07	1.54E-04	5.80E-08	1.47E-09	1.66E-04	6.29E-08	1.59E-09	2.03E-07	1.13E-07
5363	495363.09, 3866377.25	0.0013542	5.12E-07	2.01E-07	7.56E-04	2.86E-07	1.12E-07	1.50E-04	5.69E-08	1.44E-09	1.57E-04	5.92E-08	1.50E-09	2.01E-07	1.12E-07
5364	495863.09, 3866377.25	0.0013622	5.15E-07	2.02E-07	7.60E-04	2.87E-07	1.13E-07	1.50E-04	5.69E-08	1.44E-09	1.50E-04	5.68E-08	1.44E-09	2.02E-07	1.13E-07
5365	496363.09, 3866377.25	0.0013881	5.25E-07	2.06E-07	7.74E-04	2.93E-07	1.15E-07	1.52E-04	5.75E-08	1.45E-09	1.49E-04	5.62E-08	1.42E-09	2.06E-07	1.15E-07
5366	496863.09, 3866377.25	0.0013951	5.27E-07	2.07E-07	7.74E-04	2.93E-07	1.15E-07	1.47E-04	5.57E-08	1.41E-09	1.50E-04	5.68E-08	1.44E-09	2.07E-07	1.15E-07
5367	497363.09, 3866377.25	0.0013973	5.28E-07	2.08E-07	7.74E-04	2.93E-07	1.15E-07	1.46E-04	5.51E-08	1.39E-09	1.58E-04	5.99E-08	1.51E-09	2.08E-07	1.15E-07
5368	497863.09, 3866377.25	0.0014039	5.31E-07	2.09E-07	7.78E-04	2.94E-07	1.16E-07	1.47E-04	5.57E-08	1.41E-09	1.62E-04	6.11E-08	1.55E-09	2.09E-07	1.16E-07
5369	498363.09, 3866377.25	0.0014026	5.30E-07	2.08E-07	7.71E-04	2.91E-07	1.14E-07	1.36E-04	5.15E-08	1.30E-09	1.45E-04	5.49E-08	1.39E-09	2.08E-07	1.15E-07
5370	474494.92, 3848334.16	0.0784672	2.97E-05	1.17E-05	7.28E-02	2.75E-05	1.08E-05	5.36E-02	2.03E-05	5.13E-07	5.63E-02	2.13E-05	5.39E-07	1.17E-05	1.08E-05
5371	475167.27, 3848920.79	0.106317	4.02E-05	1.58E-05	9.27E-02	3.50E-05	1.38E-05	6.34E-02	2.40E-05	6.07E-07	6.65E-02	2.51E-05	6.36E-07	1.58E-05	1.38E-05
5372	475297.89, 3848997.96	0.0924924	3.50E-05	1.37E-05	7.68E-02	2.90E-05	1.14E-05	4.92E-02	1.86E-05	4.70E-07	5.19E-02	1.96E-05	4.96E-07	1.38E-05	1.14E-05
5373	475439.05, 3849062	0.1083105	4.10E-05	1.61E-05	8.96E-02	3.39E-05	1.33E-05	5.72E-02	2.16E-05	5.47E-07	6.03E-02	2.28E-05	5.77E-07	1.61E-05	1.33E-05
5374	475486.86, 3849061.09	0.0850641	3.22E-05	1.26E-05	6.86E-02	2.60E-05	1.02E-05	4.22E-02	1.60E-05	4.04E-07	4.45E-02	1.68E-05	4.25E-07	1.27E-05	1.02E-05
5375	475538.46, 3849075.56	0.0869004	3.29E-05	1.29E-05	6.99E-02	2.64E-05	1.04E-05	4.28E-02	1.62E-05	4.10E-07	4.51E-02	1.70E-05	4.31E-07	1.29E-05	1.04E-05
5376	475751.79, 3849137.15	0.111799	4.23E-05	1.66E-05	9.50E-02	3.59E-05	1.41E-05	6.29E-02	2.38E-05	6.01E-07	6.67E-02	2.52E-05	6.38E-07	1.66E-05	1.41E-05
5377	476303.62, 3849223.38	0.1025141	3.88E-05	1.52E-05	8.69E-02	3.29E-05	1.29E-05	5.73E-02	2.17E-05	5.48E-07	6.01E-02	2.27E-05	5.75E-07	1.53E-05	1.29E-05
5378	476304.51, 3849238.92	0.1359513	5.14E-05	2.02E-05	1.18E-01	4.44E-05	1.75E-05	7.95E-02	3.01E-05	7.61E-07	8.34E-02	3.15E-05	7.98E-07	2.02E-05	1.75E-05
5379	476365.04, 3849247.98	0.1228949	4.65E-05	1.83E-05	1.06E-01	3.99E-05	1.57E-05	7.09E-02	2.68E-05	6.78E-07	7.47E-02	2.83E-05	7.15E-07	1.83E-05	1.57E-05
5380	476444.86, 3849267.13	0.1235047	4.67E-05	1.83E-05	1.06E-01	4.01E-05	1.57E-05	7.11E-02	2.69E-05	6.80E-07	7.54E-02	2.85E-05	7.21E-07	1.84E-05	1.58E-05
5381	476550.75, 3849300.66	0.1413198	5.34E-05	2.10E-05	1.23E-01	4.66E-05	1.83E-05	8.46E-02	3.20E-05	8.09E-07	9.07E-02	3.43E-05	8.68E-07	2.10E-05	1.84E-05
5382	476656.71, 3849346.88	0.1289225	4.87E-05	1.91E-05	1.10E-01	4.16E-05	1.63E-05	7.31E-02	2.76E-05	6.99E-07	7.77E-02	2.94E-05	7.43E-07	1.92E-05	1.64E-05
5383	476873.55, 3849454.53	0.1331461	5.03E-05	1.98E-05	1.12E-01	4.24E-05	1.66E-05	7.31E-02	2.77E-05	7.00E-07	7.72E-02	2.92E-05	7.38E-07	1.98E-05	1.67E-05
5384	477700, 3849859.7	0.1459079	5.52E-05	2.17E-05	1.18E-01	4.45E-05	1.75E-05	7.22E-02	2.73E-05	6.91E-07	7.44E-02	2.81E-05	7.12E-07	2.17E-05	1.75E-05
5385	477743.16, 3849856.38	0.1142836	4.32E-05	1.70E-05	8.87E-02	3.35E-05	1.32E-05	5.12E-02	1.94E-05	4.90E-07	5.29E-02	2.00E-05	5.06E-07	1.70E-05	1.32E-05
5386	478477.35, 3850216.33	0.1294872	4.90E-05	1.92E-05	9.76E-02	3.69E-05	1.45E-05	5.36E-02	2.03E-05	5.12E-07	5.42E-02	2.05E-05	5.19E-07	1.92E-05	1.45E-05
5387	478485.8, 3850201.6	0.1061933	4.01E-05	1.58E-05	7.83E-02	2.96E-05	1.16E-05	4.12E-02	1.56E-05	3.94E-07	4.20E-02	1.59E-05	4.01E-07	1.58E-05	1.16E-05
5388	479113.21, 3850501.53	0.1281902	4.85E-05	1.90E-05	8.69E-02	3.29E-05	1.29E-05	3.80E-02	1.44E-05	3.63E-07	3.84E-02	1.45E-05	3.67E-07	1.90E-05	1.29E-05
5389	479108.11, 3850382.28	0.0555072	2.10E-05	8.24E-06	3.68E-02	1.39E-05	5.47E-06	1.52E-02	5.75E-06	1.46E-07	1.57E-02	5.94E-06	1.50E-07	8.25E-06	5.48E-06
5390	479689.85, 3850674.28	0.1033034	3.91E-05	1.53E-05	6.05E-02	2.29E-05	8.99E-06	1.58E-02	5.99E-06	1.51E-07	1.62E-02	6.14E-06	1.55E-07	1.53E-05	8.99E-06
5391	479952.42, 3850774.28	0.0750377	2.84E-05	1.11E-05	4.54E-02	1.72E-05	6.74E-06	1.37E-02	5.18E-06	1.31E-07	1.41E-02	5.33E-06	1.35E-07	1.11E-05	6.74E-06
5392	479911.32, 3850884.85	0.1153751	4.36E-05	1.71E-05	7.92E-02	3.00E-05	1.18E-05	3.57E-02	1.35E-05	3.42E-07	3.58E-02	1.35E-05	3.43E-07	1.71E-05	1.18E-05
5393	480500.92, 3851178.12	0.1093755	4.14E-05	1.62E-05	7.69E-02	2.91E-05	1.14E-05	3.67E-02	1.39E-05	3.51E-07	3.81E-02	1.44E-05	3.64E-07	1.63E-05	1.14E-05
5394	480738.01, 3851289.27	0.1072902	4.06E-05	1.59E-05	7.44E-02	2.81E-05	1.11E-05	3.44E-02	1.30E-05	3.29E-07	3.62E-02	1.37E-05	3.46E-07	1.60E-05	1.11E-05
5395	481055.42, 3851443.58	0.1083611	4.10E-05	1.61E-05	7.42E-02	2.80E-05	1.10E-05	3.32E-02	1.26E-05	3.18E-07	3.55E-02	1.34E-05	3.40E-07	1.61E-05	1.10E-05
5396	481110.22, 3851443.15	0.0845674	3.20E-05	1.26E-05	5.74E-02	2.17E-05	8.52E-06	2.51E-02	9.50E-06	2.40E-07	2.68E-02	1.01E-05	2.56E-07	1.26E-05	8.54E-06
5397	481111.1, 3851417.45	0.0670107	2.53E-05	9.95E-06	4.58E-02	1.73E-05	6.80E-06	2.04E-02	7.72E-06	1.95E-07	2.17E-02	8.21E-06	2.08E-07	9.97E-06	6.82E-06
5398	482248.44, 3852605.09	0.0959739	3.63E-05	1.43E-05	7.16E-02	2.71E-05	1.06E-05	3.86E-02	1.46E-05	3.69E-07	4.03E-02	1.52E-05	3.85E-07	1.43E-05	1.07E-05
5399	482273.34, 3852632.31	0.0972541	3.68E-05	1.44E-05	7.28E-02	2.75E-05	1.08E-05	3.94E-02	1.49E-05	3.77E-07	4.11E-02	1.55E-05	3.93E-07	1.45E-05	1.08E-05
5400	482665.46, 3853038.72	0.0978639	3.70E-05	1.45E-05	6.78E-02	2.56E-05	1.01E-05	3.12E-02	1.18E-05	2.98E-07	3.32E-02	1.26E-05	3.18E-07	1.46E-05	1.01E-05
5401	483077.95, 3853844.31	0.114182	4.32E-05	1.70E-05	6.19E-02	2.34E-05	9.19E-06	9.74E-03	3.68E-06	9.32E-08	2.07E-02	7.84E-06	1.98E-07	1.71E-05	9.29E-06
5402	483121.38, 3853909.38	0.1310262	4.95E-05	1.95E-05	6.93E-02	2.62E-05	1.03E-05	8.53E-03	3.22E-06	8.16E-08	1.92E-02	7.25E-06	1.83E-07	1.96E-05	1.04E-05
5403	483492.64, 3853911.49	0.0855632	3.23E-05	1.27E-05	4.42E-02	1.67E-05	6.56E-06	3.93E-03	1.48E-06	3.76E-08	6.58E-03	2.49E-06	6.29E-08	1.27E-05	6.59E-06
5404	483498.29, 3854204.73	0.1360068	5.14E-05	2.02E-05	6.89E-02	2.60E-05	1.02E-05	4.11E-03	1.55E-06	3.93E-08	2.14E-02	8.10E-06	2.05E-07	2.04E-05	1.04E-05
5405	484132.44, 3854662.55	0.1601643	6.06E-05	2.38E-05	7.94E-02	3.00E-05	1.18E-05	2.25E-03	8.49E-07	2.15E-08	3.97E-02	1.50E-05	3.80E-07	2.41E-05	1.22E-05
5406	484627.62, 3854876.13	0.1607902	6.08E-05	2.39E-05	7.96E-02	3.01E-05	1.18E-05	2.04E-03	7.71E-07	1.95E-08	3.50E-02	1.32E-05	3.35E-07	2.42E-05	1.21E-05
5407	484756.14, 3854949.04	0.1578374	5.97E-05	2.34E-05	7.81E-02	2.95E-05	1.16E-05	2.05E-03	7.74E-07	1.96E-08	3.50E-02	1.33E-05	3.35E-07	2.38E-05	1.19E-05
5408	486697.51, 3856599.17	0.1477509	5.59E-05	2.19E-05	7.35E-02	2.78E-05	1.09E-05	2.42E-03	9.17E-07	2.32E-08	1.26E-02	4.75E-06	1.20E-07	2.20E-05	1.10E-05
5409	487105.31, 3856962.27	0.1611722	6.09E-05	2.39E-05	8.02E-02	3.03E-05	1.19E-05	2.72E-03	1.03E-06	2.60E-08	1.16E-02	4.38E-06	1.11E-07	2.40E-05	1.20E-05
5410	487157.57, 3856901.7	0.1349535	5.10E-05	2.00E-05	6.73E-02	2.55E-05	1.00E-05	2.54E-03	9.62E-07	2.43E-08	8.70E-03	3.29E-06	8.32E-08	2.01E-05	1.01E-05
5411	487173.5, 3856853.74	0.1209181	4.57E-05	1.80E-05	6.04E-02	2.28E-05	8.98E-06	2.45E-03	9.25E-07	2.34E-08	7.63E-03	2.89E-06	7.30E-08	1.80E-05	9.03E-06
5412	487564.41, 3856860.83	0.1075974	4.07E-05	1.60E-05	5.38E-02	2.03E-05	7.99E-06	2.16E-03	8.17E-07	2.07E-08	4.58E-03	1.73E-06	4.38E-08	1.60E-05	8.01E-06
5413	487563.31, 3856931.58	0.130205	4.92E-05	1.93E-05	6.48E-02	2.45E-05	9.63E-06	2.26E-03	8.54E-07	2.16E-08	4.96E-03	1.87E-06	4.74E-08	1.94E-05	9.66E-06
5414	487782.7, 3856926.85	0.1131561	4.28E-05	1.68E-05	5.64E-02	2.13E-05	8.38E-06	2.12E-03	8.00E-07	2.02E-08	3.99E-03	1.51E-06	3.82E-08	1.68E-05	8.40E-06
5415	487782.39, 3856757.07	0.0794139	3.00E-05	1.18E-05	3.99E-02	1.51E-05	5.93E-06	1.93E-03	7.29E-07	1.84E-08	3.48E-03	1.32E-06	3.33E-08	1.18E-05	5.94E-06
5416	487917.26, 3856752.41	0.077213	2.92E-05	1.15E-05	3.88E-02	1.47E-05	5.76E-06	1.87E-03	7.08E-07	1.79E-08	3.17E-03	1.20E-06	3.04E-08	1.15E-05	5.77E-06
5417	487919.57, 3856953.35	0.1068421	4.04E-05	1.59E-05	5.33E-02	2.02E-05	7.92E-06	2.08E-03	7.85E-07	1.99E-08	3.66E-03	1.38E-06	3.50E-08	1.59E-05	7.94E-06
5418	487932.76, 3857000.32	0.1119303	4.23E-05	1.66E-05	5.58E-02	2.11E-05	8.30E-06	2.12E-03	8.00E-07	2.02E-08	3.76E-03	1.42E-06	3.60E-08	1.66E-05	8.31E-06
5419	487960.5, 3857044.75	0.1145429	4.33E-05	1.70E-05	5.71E-02	2.16E-05	8.49E-06	2.15E-03	8.13E-07	2.06E-08	3.82E-03	1.45E-06	3.66E-08	1.70E-05	8.50E-06
5420	488016.54, 3857089.54	0.113504	4.29E-05	1.69E-05	5.66E-02	2.14E-05	8.41E-06	2.17E-03	8.20E-07	2.08E-08	3.79E-03	1.43E-06	3.63E-08	1.69E-05	8.43E-06
5421	488114.39, 3857165.47	0.1102175	4.17E-05	1.64E-05	5.51E-02	2.08E-05	8.18E-06	2.21E-03	8.36E-07	2.12E-08	3.74E-03	1.42E-06	3.58E-08	1.64E-05	8.20E-06
5422	488171.49, 3857234.24	0.1085097	4.10E-05	1.61E-05	5.43E-02	2.05E-05	8.06E-06	2.28E-03	8.62E-07	2.18E-08	3.79E-03	1.43E-06	3.62E-08	1.61E-05	8.08E-06
5423	488193.16, 3857297.8	0.108465	4.10E-05	1.61E-05	5.43E-02	2.05E-05	8.07E-06	2.37E-03	8.98E-07	2.27E-08	3.92E-03	1.48E-06	3.75E-08	1.61E-05	8.08E-06
5424	488189.27, 3857649.94	0.1134694	4.29E-05	1.69E-05	5.73E-02	2.17E-05	8.51E-06	3.20E-03	1.21E-06	3.06E-08	5.79E-03	2.19E-06	5.54E-08	1.69E-05	8.53E-06
5425	488127.43, 3857732.32	0.122622	4.64E-05	1.82E-05	6.20E-02	2.34E-05	9.21E-06	3.56E-03	1.35E-06	3.41E-08	7.24E-03	2.74E-06	6.93E-08	1.82E-05	9.24E-06
5426	488149.93, 3857752.94	0.1169722	4.42E-05	1.74E-05	5.93E-02	2.24E-05	8.80E-06	3.59E-03	1.36E-06	3.44E-08	7.22E-03	2.73E-06	6.91E-08	1.74E-05	8.84E-06
5427	488144.76, 3857758.71	0.1181994	4.47E-05	1.76E-05	5.99E-02	2.26E-05	8.89E-06	3.62E-03	1.37E-06	3.46E-08	7.36E-03	2.78E-06	7.04E-08	1.76E-05	8.93E-06
5428	488335.58, 3857932.55	0.1106882	4.18E-05	1.64E-05	5.65E-02	2.14E-05	8.39E-06	4.07E-03	1.54E-06	3.89E-08	7.30E-03	2.76E-06	6.98E-08	1.65E-05	8.42E-06
5429	488372.29, 3857943.79	0.1069941	4.05E-05	1.59E-05	5.47E-02	2.07E-05	8.12E-06	4.04E-03	1.53E-06	3.86E-08	7.01E-03	2.65E-06	6.71E-08	1.59E-05	8.15E-06
5430	488828.64, 3857936.4	0.0752955	2.85E-05	1.12E-05	3.87E-02	1.46E-05	5.75E-06	3.17E-03	1.20E-06	3.03E-08	4.12E-03	1.56E-06	3.94E-08	1.12E-05	5.76E-06
5431	488829.08, 3857959.58	0.0773219	2.92E-05	1.15E-05	3.97E-02	1.50E-05	5.90E-06	3.24E-03	1.22E-06	3.10E-08	4.20E-03	1.59E-06	4.02E-08	1.15E-05	5.91E-06
5432	488351.61, 3857964.55	0.1143462	4.32E-05	1.70E-05	5.84E-02	2.21E-05	8.67E-06	4.20E-03	1.59E-06	4.02E-08	7.54E-03	2.85E-06	7.21E-08	1.70E-05	8.70E-06
5433	488316.87, 3857947.65	0.1172947	4.43E-05	1.74E-05	5.98E-02	2.26E-05	8.88E-06	4.19E-03	1.58E-06	4.01E-08	7.76E-03	2.93E-06	7.42E-08	1.75E-05	8.92E-06
5434	488129.1, 3857775.77	0.1224374	4.63E-05	1.82E-05	6.20E-02	2.34E-05	9.21E-06	3.72E-03	1.41E-06	3.56E-08	7.82E-03	2.96E-06	7.48E-08	1.82E-05	9.25E-06
5435	488062.53, 3857846.13	0.1674863	6.33E-05	2.49E-05	8.42E-02	3.19E-05	1.25E-05	4.22E-03	1.59E-06	4.04E-08	1.06E-02	4.02E-06	1.02E-07	2.49E-05	1.26E-05
5436	488330.41, 3858091.34	0.172693	6.53E-05	2.57E-05	8.73E-02	3.30E-05	1.30E-05	5.09E-03	1.92E-06	4.87E-08	1.03E-02	3.90E-06	9.86E-08	2.57E-05	1.30E-05
5437	488470.87, 3858174.45	0.1587004	6.00E-05	2.36E-05	8.06E-02	3.05E-05	1.20E-05	5.26E-03	1.99E-06	5.03E-08	9.25E-03	3.50E-06	8.85E-08	2.36E-05	1.20E-05
5438	488568.9, 3858262.31	0.1761083	6.66E-05	2.62E-05	8.94E-02	3.38E-05	1.33E-05	5.74E-03	2.17E-06	5.49E-08	9.45E-03	3.57E-06	9.04E-08	2.62E-05	1.33E-05
5439	488964.27, 3858025.71	0.0989467	3.74E-05	1.47E-05	5.02E-02	1.90E-05	7.46E-06	3.23E-03	1.22E-06	3.09E-08	3.99E-03	1.51E-06	3.82E-08	1.47E-05	7.47E-06
5440	489147.25, 3857956.64	0.091885	3.47E-05	1.36E-05	4.65E-02	1.76E-05	6.91E-06	2.79E-03	1.05E-06	2.67E-08	3.31E-03	1.25E-06	3.16E-08	1.37E-05	6.92E-06
5441	489343.52, 3857932.45	0.0970151	3.67E-05	1.44E-05	4.89E-02	1.85E-05	7.26E-06	2.53E-03	9.55E-07	2.42E-08	2.90E-03	1.09E-06	2.77E-08	1.44E-05	7.26E-06
5442	489866.19, 3857923.19	0.0926046	3.50E-05	1.38E-05	4.64E-02	1.76E-05	6.90E-06	2.10E-03	7.95E-07	2.01E-08	2.27E-03	8.58E-07	2.17E-08	1.38E-05	6.90E-06
5443	489955.65, 3857902.27	0.0851053	3.22E-05	1.26E-05	4.27E-02	1.62E-05	6.35E-06	2.02E-03	7.63E-07	1.93E-08	2.17E-03	8.20E-07	2.07E-08	1.26E-05	6.35E-06
5444	490079.44, 3857847.9	0.0630938	2.39E-05	9.37E-06	3.19E-02	1.21E-05	4.75E-06	1.92E-03	7.24E-07	1.83E-08	2.05E-03	7.74E-07	1.96E-08	9.37E-06	4.75E-06
5445	490108.49, 3857934.13	0.0733486	2.77E-05	1.09E-05	3.70E-02	1.40E-05	5.49E-06	1.98E-03	7.48E-07	1.89E-08	2.09E-03	7.91E-07	2.00E-08	1.09E-05	5.49E-06
5446	489884.48, 3858014.17	0.0682755	2.58E-05	1.01E-05	3.47E-02	1.31E-05	5.15E-06	2.20E-03	8.33E-07	2.11E-08	2.35E-03	8.88E-07	2.25E-08	1.01E-05	5.15E-06
5447	489326.56, 3858025.86	0.0901885	3.41E-05	1.34E-05	4.57E-02	1.73E-05	6.78E-06	2.72E-03	1.03E-06	2.61E-08	3.10E-03	1.17E-06	2.97E-08	1.34E-05	6.79E-06
5448	489130.38, 3858056.71	0.1019291	3.85E-05	1.51E-05	5.16E-02	1.95E-05	7.66E-06	3.04E-03	1.15E-06	2.91E-08	3.59E-03	1.36E-06	3.44E-08	1.51E-05	7.67E-06

5449	488936.49, 3858143.93	0.1143435	4.32E-05	1.70E-05	5.80E-02	2.19E-05	8.62E-06	3.69E-03	1.40E-06	3.53E-08	4.61E-03	1.74E-06	4.41E-08	1.70E-05	8.63E-06
5450	488638.08, 3858327.45	0.1651147	6.24E-05	2.45E-05	8.43E-02	3.19E-05	1.25E-05	6.04E-03	2.28E-06	5.78E-08	9.47E-03	3.58E-06	9.06E-08	2.46E-05	1.25E-05
5451	488663.79, 3858349.57	0.1601394	6.05E-05	2.38E-05	8.19E-02	3.10E-05	1.22E-05	6.13E-03	2.32E-06	5.87E-08	9.42E-03	3.56E-06	9.01E-08	2.38E-05	1.22E-05
5452	488694.56, 3858349.5	0.1479711	5.59E-05	2.20E-05	7.59E-02	2.87E-05	1.13E-05	5.94E-03	2.25E-06	5.68E-08	8.81E-03	3.33E-06	8.43E-08	2.20E-05	1.13E-05
5453	488694.35, 3858336.75	0.1448587	5.48E-05	2.15E-05	7.43E-02	2.81E-05	1.10E-05	5.80E-03	2.19E-06	5.55E-08	8.57E-03	3.24E-06	8.20E-08	2.15E-05	1.11E-05
5454	488712.81, 3858336.38	0.1376808	5.21E-05	2.05E-05	7.07E-02	2.67E-05	1.05E-05	5.70E-03	2.15E-06	5.45E-08	8.26E-03	3.12E-06	7.90E-08	2.05E-05	1.05E-05
5455	488713.23, 3858367.46	0.1437764	5.44E-05	2.14E-05	7.39E-02	2.79E-05	1.10E-05	6.03E-03	2.28E-06	5.76E-08	8.83E-03	3.34E-06	8.45E-08	2.14E-05	1.10E-05
5456	488704.63, 3858384.05	0.1487546	5.62E-05	2.21E-05	7.65E-02	2.89E-05	1.14E-05	6.28E-03	2.38E-06	6.01E-08	9.35E-03	3.54E-06	8.95E-08	2.21E-05	1.14E-05
5457	488604.15, 3858488.29	0.1670093	6.31E-05	2.48E-05	8.73E-02	3.30E-05	1.30E-05	9.26E-03	3.50E-06	8.86E-08	1.81E-02	6.83E-06	1.73E-07	2.49E-05	1.30E-05
5458	488605.66, 3858550.47	0.1816155	6.87E-05	2.70E-05	9.58E-02	3.62E-05	1.42E-05	1.14E-02	4.31E-06	1.09E-07	2.54E-02	9.59E-06	2.43E-07	2.71E-05	1.44E-05
5459	488692.68, 3858548.71	0.1653133	6.25E-05	2.46E-05	8.67E-02	3.28E-05	1.29E-05	9.63E-03	3.64E-06	9.21E-08	1.64E-02	6.20E-06	1.57E-07	2.46E-05	1.29E-05
5460	488759.93, 3858461.81	0.1288006	4.87E-05	1.91E-05	6.72E-02	2.54E-05	9.98E-06	6.93E-03	2.62E-06	6.63E-08	9.99E-03	3.78E-06	9.56E-08	1.92E-05	1.00E-05
5461	488816.57, 3858541.79	0.1568149	5.93E-05	2.33E-05	8.14E-02	3.08E-05	1.21E-05	7.79E-03	2.94E-06	7.45E-08	1.08E-02	4.08E-06	1.03E-07	2.33E-05	1.21E-05
5462	488944.63, 3858656.77	0.1274296	4.82E-05	1.89E-05	6.77E-02	2.56E-05	1.01E-05	8.77E-03	3.32E-06	8.39E-08	1.09E-02	4.14E-06	1.05E-07	1.89E-05	1.01E-05
5463	489134.91, 3858830.7	0.1104803	4.18E-05	1.64E-05	6.08E-02	2.30E-05	9.04E-06	1.09E-02	4.13E-06	1.05E-07	1.28E-02	4.83E-06	1.22E-07	1.64E-05	9.05E-06
5464	489193.99, 3858886.05	0.1119646	4.23E-05	1.66E-05	6.22E-02	2.35E-05	9.24E-06	1.19E-02	4.50E-06	1.14E-07	1.36E-02	5.15E-06	1.30E-07	1.66E-05	9.25E-06
5465	489295.2, 3858954.34	0.1131167	4.28E-05	1.68E-05	6.32E-02	2.39E-05	9.38E-06	1.26E-02	4.75E-06	1.20E-07	1.37E-02	5.17E-06	1.31E-07	1.68E-05	9.39E-06
5466	489295.64, 3858992.74	0.12192	4.61E-05	1.81E-05	6.90E-02	2.61E-05	1.02E-05	1.49E-02	5.65E-06	1.43E-07	1.63E-02	6.17E-06	1.56E-07	1.81E-05	1.03E-05
5467	489183.74, 3858911.72	0.1147128	4.34E-05	1.70E-05	6.46E-02	2.44E-05	9.60E-06	1.36E-02	5.14E-06	1.30E-07	1.58E-02	5.96E-06	1.51E-07	1.71E-05	9.62E-06
5468	488873.37, 3858625.59	0.153948	5.82E-05	2.29E-05	8.07E-02	3.05E-05	1.20E-05	8.97E-03	3.39E-06	8.58E-08	1.19E-02	4.51E-06	1.14E-07	2.29E-05	1.20E-05
5469	488842.84, 3858658.69	0.157107	5.94E-05	2.33E-05	8.33E-02	3.15E-05	1.24E-05	1.05E-02	3.98E-06	1.01E-07	1.48E-02	5.58E-06	1.41E-07	2.34E-05	1.24E-05
5470	488856.39, 3858670.93	0.1512377	5.72E-05	2.25E-05	8.05E-02	3.04E-05	1.20E-05	1.07E-02	4.04E-06	1.02E-07	1.48E-02	5.60E-06	1.42E-07	2.25E-05	1.20E-05
5471	488805.7, 3858724.5	0.1667655	6.31E-05	2.48E-05	9.09E-02	3.44E-05	1.35E-05	1.50E-02	5.68E-06	1.44E-07	2.45E-02	9.25E-06	2.34E-07	2.49E-05	1.36E-05
5472	488805.87, 3858804.16	0.18433	6.97E-05	2.74E-05	1.06E-01	4.00E-05	1.57E-05	2.49E-02	9.41E-06	2.38E-07	5.51E-02	2.08E-05	5.27E-07	2.77E-05	1.60E-05
5473	488995.78, 3858936.96	0.1840384	6.96E-05	2.73E-05	1.10E-01	4.17E-05	1.64E-05	3.22E-02	1.22E-05	3.08E-07	5.44E-02	2.06E-05	5.20E-07	2.75E-05	1.66E-05
5474	489130.76, 3859017.38	0.1703763	6.44E-05	2.53E-05	1.05E-01	3.97E-05	1.56E-05	3.43E-02	1.30E-05	3.28E-07	4.54E-02	1.72E-05	4.35E-07	2.54E-05	1.57E-05
5475	489130.92, 3859052.24	0.1926304	7.28E-05	2.86E-05	1.28E-01	4.83E-05	1.90E-05	5.28E-02	2.00E-05	5.05E-07	7.15E-02	2.70E-05	6.84E-07	2.88E-05	1.92E-05
5476	489200.33, 3859090.6	0.18803	7.11E-05	2.79E-05	1.26E-01	4.75E-05	1.86E-05	5.27E-02	1.99E-05	5.04E-07	6.49E-02	2.46E-05	6.21E-07	2.80E-05	1.88E-05
5477	489296.07, 3859143.7	0.1881593	7.11E-05	2.79E-05	1.26E-01	4.75E-05	1.86E-05	5.26E-02	1.99E-05	5.03E-07	6.29E-02	2.38E-05	6.02E-07	2.80E-05	1.87E-05
5478	489296.43, 3858954.74	0.1129838	4.27E-05	1.68E-05	6.31E-02	2.39E-05	9.37E-06	1.25E-02	4.74E-06	1.20E-07	1.37E-02	5.16E-06	1.31E-07	1.68E-05	9.38E-06
5479	489410.33, 3859033.19	0.1298803	4.91E-05	1.93E-05	7.19E-02	2.72E-05	1.07E-05	1.34E-02	5.08E-06	1.28E-07	1.41E-02	5.35E-06	1.35E-07	1.93E-05	1.07E-05
5480	489371.37, 3859089.8	0.1375919	5.20E-05	2.04E-05	8.03E-02	3.03E-05	1.19E-05	2.06E-02	7.78E-06	1.97E-07	2.24E-02	8.47E-06	2.14E-07	2.05E-05	1.19E-05
5481	489390.52, 3859102.82	0.1398017	5.29E-05	2.08E-05	8.16E-02	3.08E-05	1.21E-05	2.09E-02	7.92E-06	2.00E-07	2.28E-02	8.61E-06	2.18E-07	2.08E-05	1.21E-05
5482	489382.3, 3859114.53	0.1453281	5.49E-05	2.16E-05	8.60E-02	3.25E-05	1.28E-05	2.36E-02	8.91E-06	2.25E-07	2.59E-02	9.79E-06	2.48E-07	2.16E-05	1.28E-05
5483	489363.04, 3859102.45	0.1418856	5.36E-05	2.11E-05	8.41E-02	3.18E-05	1.25E-05	2.33E-02	8.81E-06	2.23E-07	2.57E-02	9.70E-06	2.45E-07	2.11E-05	1.25E-05
5484	489337.52, 3859140.71	0.1665567	6.30E-05	2.47E-05	1.06E-01	3.99E-05	1.57E-05	3.80E-02	1.44E-05	3.63E-07	4.37E-02	1.65E-05	4.18E-07	2.48E-05	1.57E-05
5485	489375.14, 3859164.55	0.1766176	6.68E-05	2.62E-05	1.11E-01	4.21E-05	1.66E-05	3.95E-02	1.49E-05	3.78E-07	4.51E-02	1.70E-05	4.31E-07	2.63E-05	1.66E-05
5486	489409.3, 3859114.5	0.1407514	5.32E-05	2.09E-05	8.22E-02	3.11E-05	1.22E-05	2.11E-02	7.99E-06	2.02E-07	2.29E-02	8.67E-06	2.19E-07	2.09E-05	1.22E-05
5487	489434.87, 3859131.81	0.1475198	5.58E-05	2.19E-05	8.58E-02	3.24E-05	1.27E-05	2.16E-02	8.18E-06	2.07E-07	2.34E-02	8.85E-06	2.24E-07	2.19E-05	1.28E-05
5488	489471.87, 3859075.75	0.1225307	4.63E-05	1.82E-05	6.86E-02	2.60E-05	1.02E-05	1.40E-02	5.27E-06	1.33E-07	1.47E-02	5.54E-06	1.40E-07	1.82E-05	1.02E-05
5489	489602.62, 3859164.69	0.1381921	5.22E-05	2.05E-05	7.70E-02	2.91E-05	1.14E-05	1.51E-02	5.73E-06	1.45E-07	1.58E-02	5.98E-06	1.51E-07	2.05E-05	1.14E-05
5490	489558.29, 3859232.45	0.1584087	5.99E-05	2.35E-05	9.52E-02	3.60E-05	1.41E-05	2.81E-02	1.06E-05	2.69E-07	3.00E-02	1.13E-05	2.87E-07	2.35E-05	1.42E-05
5491	489620.11, 3859273.56	0.1655302	6.26E-05	2.46E-05	1.00E-01	3.78E-05	1.48E-05	3.01E-02	1.14E-05	2.87E-07	3.20E-02	1.21E-05	3.06E-07	2.46E-05	1.49E-05
5492	489666.06, 3859206.42	0.1259021	4.76E-05	1.87E-05	7.14E-02	2.70E-05	1.06E-05	1.57E-02	5.94E-06	1.50E-07	1.64E-02	6.19E-06	1.57E-07	1.87E-05	1.06E-05
5493	489787.9, 3859285.65	0.1366752	5.17E-05	2.03E-05	7.74E-02	2.93E-05	1.15E-05	1.68E-02	6.35E-06	1.61E-07	1.76E-02	6.65E-06	1.68E-07	2.03E-05	1.15E-05
5494	489752.17, 3859343.13	0.1547447	5.85E-05	2.30E-05	9.42E-02	3.56E-05	1.40E-05	2.92E-02	1.10E-05	2.80E-07	3.12E-02	1.18E-05	2.98E-07	2.30E-05	1.40E-05
5495	489814.94, 3859385.33	0.162347	6.14E-05	2.41E-05	9.93E-02	3.76E-05	1.48E-05	3.15E-02	1.19E-05	3.01E-07	3.36E-02	1.27E-05	3.22E-07	2.41E-05	1.48E-05
5496	489853.42, 3859330.74	0.1249402	4.72E-05	1.86E-05	7.23E-02	2.73E-05	1.07E-05	1.77E-02	6.70E-06	1.69E-07	1.86E-02	7.04E-06	1.78E-07	1.86E-05	1.07E-05
5497	489969.5, 3859401.91	0.1451066	5.49E-05	2.16E-05	8.26E-02	3.12E-05	1.23E-05	1.86E-02	7.03E-06	1.78E-07	1.96E-02	7.40E-06	1.87E-07	2.16E-05	1.23E-05
5498	490166.91, 3859486.96	0.1293882	4.89E-05	1.92E-05	7.39E-02	2.80E-05	1.10E-05	1.70E-02	6.42E-06	1.62E-07	1.77E-02	6.71E-06	1.70E-07	1.92E-05	1.10E-05
5499	490128.86, 3859571.46	0.1547052	5.85E-05	2.30E-05	1.03E-01	3.88E-05	1.53E-05	4.25E-02	1.61E-05	4.07E-07	4.42E-02	1.67E-05	4.23E-07	2.30E-05	1.53E-05
5500	490186.65, 3859593.65	0.1591622	6.02E-05	2.36E-05	1.05E-01	3.97E-05	1.56E-05	4.28E-02	1.62E-05	4.10E-07	4.48E-02	1.69E-05	4.29E-07	2.37E-05	1.56E-05
5501	490223.74, 3859517.48	0.1187777	4.49E-05	1.76E-05	6.92E-02	2.62E-05	1.03E-05	1.77E-02	6.68E-06	1.69E-07	1.84E-02	6.96E-06	1.76E-07	1.76E-05	1.03E-05
5502	490846.34, 3859817.22	0.1320903	4.99E-05	1.96E-05	8.09E-02	3.06E-05	1.20E-05	2.57E-02	9.72E-06	2.46E-07	2.82E-02	1.07E-05	2.70E-07	1.96E-05	1.20E-05
5503	490925.65, 3859844.59	0.1291274	4.88E-05	1.92E-05	7.82E-02	2.96E-05	1.16E-05	2.38E-02	8.98E-06	2.27E-07	2.60E-02	9.84E-06	2.49E-07	1.92E-05	1.16E-05
5504	491159.29, 3859896.28	0.1186151	4.48E-05	1.76E-05	6.85E-02	2.59E-05	1.02E-05	1.67E-02	6.30E-06	1.59E-07	1.74E-02	6.57E-06	1.66E-07	1.76E-05	1.02E-05
5505	491370.69, 3859960.89	0.1031603	3.90E-05	1.53E-05	5.84E-02	2.21E-05	8.68E-06	1.27E-02	4.81E-06	1.22E-07	1.32E-02	4.98E-06	1.26E-07	1.53E-05	8.68E-06
5506	491330.28, 3860063.17	0.1211616	4.58E-05	1.80E-05	7.43E-02	2.81E-05	1.10E-05	2.37E-02	8.97E-06	2.27E-07	2.41E-02	9.13E-06	2.31E-07	1.80E-05	1.10E-05
5507	491636.45, 3860180.75	0.0960444	3.63E-05	1.43E-05	5.50E-02	2.08E-05	8.17E-06	1.27E-02	4.82E-06	1.22E-07	1.35E-02	5.12E-06	1.29E-07	1.43E-05	8.17E-06
5508	491617.94, 3860203.93	0.110012	4.16E-05	1.63E-05	6.30E-02	2.38E-05	9.36E-06	1.47E-02	5.56E-06	1.41E-07	1.57E-02	5.95E-06	1.50E-07	1.64E-05	9.37E-06
5509	491805.68, 3860271.59	0.0805734	3.05E-05	1.20E-05	4.63E-02	1.75E-05	6.88E-06	1.10E-02	4.17E-06	1.05E-07	1.18E-02	4.48E-06	1.13E-07	1.20E-05	6.89E-06
5510	491654.23, 3860414.02	0.1208595	4.57E-05	1.80E-05	9.56E-02	3.61E-05	1.42E-05	5.69E-02	2.15E-05	5.44E-07	6.47E-02	2.45E-05	6.19E-07	1.80E-05	1.43E-05
5511	491592.62, 3860510.76	0.0312595	1.18E-05	4.64E-06	2.23E-02	8.44E-06	3.31E-06	1.10E-02	4.16E-06	1.05E-07	1.08E-02	4.08E-06	1.03E-07	4.64E-06	3.31E-06
5512	491475.41, 3860368.93	0.0611868	2.31E-05	9.09E-06	4.17E-02	1.58E-05	6.20E-06	1.85E-02	7.00E-06	1.77E-07	1.80E-02	6.80E-06	1.72E-07	9.08E-06	6.19E-06
5513	491445.61, 3860337.28	0.0661549	2.50E-05	9.83E-06	4.55E-02	1.72E-05	6.76E-06	2.06E-02	7.78E-06	1.97E-07	2.03E-02	7.66E-06	1.94E-07	9.82E-06	6.75E-06
5514	491399.05, 3860300.37	0.0678228	2.56E-05	1.01E-05	4.65E-02	1.76E-05	6.91E-06	2.09E-02	7.92E-06	2.00E-07	2.11E-02	7.98E-06	2.02E-07	1.01E-05	6.91E-06
5515	491228.84, 3860235.98	0.0500186	1.89E-05	7.43E-06	3.10E-02	1.17E-05	4.60E-06	1.03E-02	3.89E-06	9.85E-08	1.08E-02	4.10E-06	1.04E-07	7.43E-06	4.61E-06
5516	491228.47, 3860174.57	0.0758818	2.87E-05	1.13E-05	4.96E-02	1.88E-05	7.37E-06	1.96E-02	7.41E-06	1.88E-07	2.13E-02	8.05E-06	2.04E-07	1.13E-05	7.38E-06
5517	491145.77, 3860112.55	0.0729447	2.76E-05	1.08E-05	4.81E-02	1.82E-05	7.14E-06	1.95E-02	7.36E-06	1.86E-07	2.14E-02	8.09E-06	2.05E-07	1.09E-05	7.16E-06
5518	490844.41, 3859966.22	0.0705027	2.67E-05	1.05E-05	4.60E-02	1.74E-05	6.84E-06	1.81E-02	6.86E-06	1.74E-07	1.76E-02	6.67E-06	1.69E-07	1.05E-05	6.83E-06
5519	490845.55, 3859928.15	0.109814	4.15E-05	1.63E-05	7.93E-02	3.00E-05	1.18E-05	4.01E-02	1.52E-05	3.84E-07	3.70E-02	1.40E-05	3.54E-07	1.63E-05	1.18E-05
5520	490046.91, 3859625.6	0.0939959	3.55E-05	1.40E-05	6.30E-02	2.38E-05	9.36E-06	2.68E-02	1.01E-05	2.56E-07	2.80E-02	1.06E-05	2.68E-07	1.40E-05	9.37E-06
5521	489970.48, 3859589.4	0.097896	3.70E-05	1.45E-05	6.58E-02	2.49E-05	9.77E-06	2.81E-02	1.06E-05	2.68E-07	2.85E-02	1.08E-05	2.73E-07	1.45E-05	9.77E-06
5522	489865.89, 3859529.06	0.1111778	4.20E-05	1.65E-05	7.39E-02	2.79E-05	1.10E-05	3.06E-02	1.16E-05	2.93E-07	3.06E-02	1.16E-05	2.93E-07	1.65E-05	1.10E-05
5523	489826.89, 3859531.74	0.0893923	3.38E-05	1.33E-05	5.63E-02	2.13E-05	8.36E-06	1.98E-02	7.48E-06	1.89E-07	1.99E-02	7.52E-06	1.90E-07	1.33E-05	8.36E-06
5524	489410.47, 3859303.06	0.1043973	3.95E-05	1.55E-05	6.34E-02	2.40E-05	9.42E-06	1.96E-02	7.40E-06	1.87E-07	1.87E-02	7.06E-06	1.79E-07	1.55E-05	9.42E-06
5525	489407.15, 3859286.09	0.1165551	4.41E-05	1.73E-05	7.31E-02	2.76E-05	1.09E-05	2.53E-02	9.58E-06	2.42E-07	2.37E-02	8.97E-06	2.27E-07	1.73E-05	1.08E-05
5526	488806.07, 3858963.62	0.186887	7.07E-05	2.78E-05	1.05E-01	3.97E-05	1.56E-05	2.17E-02	8.22E-06	2.08E-07	1.05E-02	3.96E-06	1.00E-07	2.77E-05	1.55E-05
5527	488817.64, 3859546.3	0.1515591	5.73E-05	2.25E-05	7.50E-02	2.84E-05	1.11E-05	1.90E-03	7.19E-07	1.82E-08	1.83E-03	6.91E-07	1.75E-08	2.25E-05	1.11E-05
5528	489187.25, 3859549.52	0.1049112	3.97E-05	1.56E-05	5.28E-02	2.00E-05	7.84E-06	2.69E-03	1.02E-06	2.58E-08	2.66E-03	1.01E-06	2.55E-08	1.56E-05	7.84E-06
5529	489187.66, 3859523.74	0.0917865	3.47E-05	1.36E-05	4.65E-02	1.76E-05	6.91E-06	2.86E-03	1.08E-06	2.74E-08	2.82E-03	1.07E-06	2.70E-08	1.36E-05	6.91E-06
5530	489232.59, 3859522.85	0.0885762	3.35E-05	1.32E-05	4.51E-02	1.70E-05	6.70E-06	3.05E-03	1.15E-06	2.92E-08	3.01E-03	1.14E-06	2.88E-08	1.32E-05	6.70E-06
5531	489224.98, 3859759.91	0.0805071	3.04E-05	1.20E-05	4.04E-02	1.53E-05	6.00E-06	1.92E-03	7.24E-07	1.83E-08	1.91E-03	7.23E-07	1.83E-08	1.20E-05	6.00E-06
5532	488401.39, 3859763.34	0.13495	5.10E-05	2.00E-05	6.65E-02	2.51E-05	9.87E-06	1.19E-03	4.48E-07	1.13E-08	1.14E-03	4.30E-07	1.09E-08	2.00E-05	9.87E-06
5533	488405.51, 3859966.16	0.1461248	5.52E-05	2.17E-05	7.18E-02	2.71E-05	1.07E-05	1.04E-03	3.95E-07	9.99E-09	1.02E-03	3.85E-07	9.74E-09	2.17E-05	1.07E-05
5534	489202.85, 3859956.57	0.0953477	3.60E-05	1.42E-05	4.74E-02	1.79E-05	7.04E-06	1.48E-03	5.61E-07	1.42E-08	1.48E-03	5.61E-07	1.42E-08	1.42E-05	7.04E-06
5535	489191.9, 3860676.74	0.0516255	1.95E-05	7.67E-06	2.57E-02	9.71E-06	3.82E-06	8.65E-04	3.27E-07	8.27E-09	8.75E-04	3.31E-07	8.37E-09	7.67E-06	3.82E-06
5536	488392.82, 3860687.88	0.0853757	3.23E-05	1.27E-05	4.20E-02	1.59E-05	6.24E-06	7.17E-04	2.71E-07	6.86E-09	7.08E-04	2.68E-07	6.78E-09	1.27E-05	6.24E-06
5537	488392.82, 3860760.27	0.0391958	1.48E-05	5.82E-06	1.95E-02	7.38E-06	2.90E-06	6.97E-04	2.64E-07	6.67E-09	6.89E-04	2.60E-07	6.59E-09	5.82E-06	2.90E-06
5538	487549.05, 3860777.45	0.013767	5.21E-06	2.04E-06	7.08E-03	2.68E-06	1.05E-06	5.92E-04	2.24E-07	5.66E-09	5.76E-04	2.18E-07	5.51E-09	2.04E-06	1.05E-06
5539	487554.62, 3859571.83	0.0900012	3.40E-05	1.34E-05	4.45E-02	1.68E-05	6.60E-06	9.98E-04	3.77E-07	9.55E-09	9.06E-04	3.43E-07	8.67E-09	1.34E-05	6.60E-06
5540	485949.46, 3859558.54	0.0142277	5.38E-06	2.11E-06	7.37E-03	2.79E-06	1.09E-06	6.86E-04	2.59E-07	6.56E-09	6.20E-04	2.35E-07	5.93E-09	2.11E-06	1.09E-06
5541	485947.55, 3857943.61	0.0496019	1.88E-05	7.37E-06	2.53E-02	9.57E-06	3.76E-06	1.80E-03	6.80E-07	1.72E-08	9.71E-04	3.67E-07	9.29E-09	7.36E-06	3.75E-06
5542	484738.38, 3857940.21	0.0172921	6.54E-06	2.57E-06	9.01E-03	3.41E-06	1.34E-06	9.24E-04	3.49E-07	8.84E-09	6.81E-04	2.57E-07	6.51E-09	2.57E-06	1.34E-06

5543	484737.06, 3857535.68	0.0240652	9.10E-06	3.57E-06	1.25E-02	4.71E-06	1.85E-06	1.16E-03	4.38E-07	1.11E-08	7.54E-04	2.85E-07	7.21E-09	3.57E-06	1.85E-06
5544	483730.2, 3857530.13	0.015678	5.93E-06	2.33E-06	8.14E-03	3.08E-06	1.21E-06	7.91E-04	2.99E-07	7.57E-09	6.07E-04	2.30E-07	5.81E-09	2.33E-06	1.21E-06
5545	483727.27, 3857130.01	0.0302578	1.14E-05	4.49E-06	1.53E-02	5.79E-06	2.28E-06	9.24E-04	3.49E-07	8.84E-09	6.61E-04	2.50E-07	6.32E-09	4.49E-06	2.27E-06
5546	483124.42, 3857123.45	0.0177621	6.72E-06	2.64E-06	9.14E-03	3.46E-06	1.36E-06	7.69E-04	2.91E-07	7.36E-09	5.96E-04	2.25E-07	5.70E-09	2.64E-06	1.36E-06
5547	483111.13, 3855921.03	0.0770965	2.91E-05	1.15E-05	3.84E-02	1.45E-05	5.70E-06	1.31E-03	4.96E-07	1.25E-08	7.85E-04	2.97E-07	7.51E-09	1.14E-05	5.69E-06
5548	482701.73, 3855918.24	0.0290679	1.10E-05	4.32E-06	1.48E-02	5.61E-06	2.20E-06	1.05E-03	3.98E-07	1.01E-08	7.21E-04	2.73E-07	6.90E-09	4.31E-06	2.20E-06
5549	482668.02, 3853521.78	0.05587	2.11E-05	8.30E-06	3.29E-02	1.24E-05	4.89E-06	8.86E-03	3.35E-06	8.47E-08	8.05E-03	3.04E-06	7.70E-08	8.29E-06	4.88E-06
5550	482579.91, 3853219.19	0.0490323	1.85E-05	7.28E-06	3.08E-02	1.16E-05	4.57E-06	1.07E-02	4.04E-06	1.02E-07	1.12E-02	4.22E-06	1.07E-07	7.29E-06	4.57E-06
5551	482434.06, 3852961.94	0.0498478	1.88E-05	7.40E-06	3.40E-02	1.28E-05	5.05E-06	1.51E-02	5.69E-06	1.44E-07	1.60E-02	6.04E-06	1.53E-07	7.41E-06	5.06E-06
5552	482332.11, 3852832.85	0.0519371	1.96E-05	7.71E-06	3.79E-02	1.43E-05	5.63E-06	1.95E-02	7.39E-06	1.87E-07	2.08E-02	7.85E-06	1.99E-07	7.73E-06	5.64E-06
5553	481334.99, 3851818.96	0.0424679	1.61E-05	6.31E-06	3.11E-02	1.18E-05	4.62E-06	1.61E-02	6.10E-06	1.54E-07	1.71E-02	6.45E-06	1.63E-07	6.32E-06	4.63E-06
5554	481127.62, 3851646.36	0.0421137	1.59E-05	6.26E-06	2.95E-02	1.11E-05	4.37E-06	1.39E-02	5.25E-06	1.33E-07	1.45E-02	5.48E-06	1.39E-07	6.26E-06	4.38E-06
5555	481025.04, 3851591.73	0.0391995	1.48E-05	5.82E-06	2.73E-02	1.03E-05	4.05E-06	1.27E-02	4.79E-06	1.21E-07	1.31E-02	4.97E-06	1.26E-07	5.83E-06	4.05E-06
5556	480513.6, 3851335.76	0.0406046	1.54E-05	6.03E-06	2.81E-02	1.06E-05	4.18E-06	1.30E-02	4.90E-06	1.24E-07	1.37E-02	5.20E-06	1.31E-07	6.04E-06	4.19E-06
5557	480523.56, 3851317.66	0.0527966	2.00E-05	7.84E-06	3.70E-02	1.40E-05	5.50E-06	1.75E-02	6.63E-06	1.68E-07	1.86E-02	7.05E-06	1.78E-07	7.85E-06	5.51E-06
5558	476921.56, 3849569.11	0.040818	1.54E-05	6.06E-06	2.98E-02	1.13E-05	4.43E-06	1.55E-02	5.84E-06	1.48E-07	1.62E-02	6.12E-06	1.55E-07	6.07E-06	4.44E-06
5559	476521.19, 3849373.96	0.0480211	1.82E-05	7.13E-06	3.54E-02	1.34E-05	5.26E-06	1.86E-02	7.03E-06	1.78E-07	1.94E-02	7.32E-06	1.85E-07	7.14E-06	5.26E-06
5560	476391.45, 3849333.38	0.049611	1.88E-05	7.37E-06	3.70E-02	1.40E-05	5.49E-06	1.99E-02	7.52E-06	1.90E-07	2.08E-02	7.85E-06	1.99E-07	7.38E-06	5.50E-06
5561	476219.41, 3849304.29	0.0444806	1.68E-05	6.61E-06	3.28E-02	1.24E-05	4.88E-06	1.73E-02	6.55E-06	1.66E-07	1.82E-02	6.89E-06	1.74E-07	6.62E-06	4.89E-06
5562	475679.11, 3849218.47	0.039977	1.51E-05	5.94E-06	2.85E-02	1.08E-05	4.24E-06	1.41E-02	5.32E-06	1.35E-07	1.47E-02	5.56E-06	1.41E-07	5.94E-06	4.25E-06
5563	475677.71, 3849233.88	0.0318998	1.21E-05	4.74E-06	2.28E-02	8.62E-06	3.39E-06	1.13E-02	4.26E-06	1.08E-07	1.18E-02	4.46E-06	1.13E-07	4.74E-06	3.39E-06
5564	475492.74, 3849204.66	0.0245065	9.27E-06	3.64E-06	1.70E-02	6.43E-06	2.53E-06	7.86E-03	2.97E-06	7.52E-08	8.25E-03	3.12E-06	7.89E-08	3.64E-06	2.53E-06
5565	475497.64, 3849158.75	0.0615157	2.33E-05	9.14E-06	4.19E-02	1.58E-05	6.22E-06	1.85E-02	7.00E-06	1.77E-07	1.94E-02	7.33E-06	1.85E-07	9.15E-06	6.23E-06
5566	475391.35, 3849141.94	0.0384526	1.45E-05	5.71E-06	2.78E-02	1.05E-05	4.13E-06	1.41E-02	5.34E-06	1.35E-07	1.48E-02	5.59E-06	1.41E-07	5.72E-06	4.14E-06
5567	475277, 3849095.47	0.0365971	1.38E-05	5.44E-06	2.66E-02	1.01E-05	3.95E-06	1.36E-02	5.15E-06	1.30E-07	1.43E-02	5.39E-06	1.36E-07	5.44E-06	3.96E-06
5568	475183.93, 3849025.66	0.044816	1.69E-05	6.66E-06	3.33E-02	1.26E-05	4.94E-06	1.78E-02	6.72E-06	1.70E-07	1.87E-02	7.06E-06	1.79E-07	6.67E-06	4.95E-06
5569	474453.23, 3848378.77	0.0462316	1.75E-05	6.87E-06	3.89E-02	1.47E-05	5.78E-06	2.54E-02	9.60E-06	2.43E-07	2.66E-02	1.01E-05	2.55E-07	6.88E-06	5.79E-06
5570	474569.63, 3848399.34	0.0823346	3.11E-05	1.22E-05	7.53E-02	2.85E-05	1.12E-05	5.46E-02	2.07E-05	5.23E-07	5.74E-02	2.17E-05	5.49E-07	1.23E-05	1.12E-05
5571	474644.33, 3848464.52	0.0846678	3.20E-05	1.26E-05	7.70E-02	2.91E-05	1.14E-05	5.54E-02	2.10E-05	5.30E-07	5.82E-02	2.20E-05	5.57E-07	1.26E-05	1.15E-05
5572	474719.04, 3848529.7	0.0872049	3.30E-05	1.30E-05	7.89E-02	2.98E-05	1.17E-05	5.66E-02	2.14E-05	5.41E-07	5.94E-02	2.24E-05	5.68E-07	1.30E-05	1.18E-05
5573	474793.74, 3848594.88	0.0893453	3.38E-05	1.33E-05	8.06E-02	3.05E-05	1.20E-05	5.76E-02	2.18E-05	5.51E-07	6.04E-02	2.28E-05	5.78E-07	1.33E-05	1.20E-05
5574	474868.45, 3848660.07	0.0908659	3.44E-05	1.35E-05	8.16E-02	3.08E-05	1.21E-05	5.79E-02	2.19E-05	5.54E-07	6.07E-02	2.30E-05	5.81E-07	1.35E-05	1.21E-05
5575	474943.15, 3848725.25	0.0933958	3.53E-05	1.39E-05	8.35E-02	3.16E-05	1.24E-05	5.89E-02	2.23E-05	5.64E-07	6.18E-02	2.34E-05	5.91E-07	1.39E-05	1.24E-05
5576	475017.86, 3848790.43	0.0972317	3.68E-05	1.44E-05	8.66E-02	3.28E-05	1.29E-05	6.09E-02	2.30E-05	5.82E-07	6.38E-02	2.41E-05	6.11E-07	1.45E-05	1.29E-05
5577	475092.56, 3848855.61	0.1003532	3.79E-05	1.49E-05	8.90E-02	3.36E-05	1.32E-05	6.22E-02	2.35E-05	5.95E-07	6.52E-02	2.46E-05	6.24E-07	1.49E-05	1.32E-05
5578	475232.58, 3848959.38	0.0940883	3.56E-05	1.40E-05	7.96E-02	3.01E-05	1.18E-05	5.24E-02	1.98E-05	5.01E-07	5.50E-02	2.08E-05	5.26E-07	1.40E-05	1.19E-05
5579	475368.47, 3849029.98	0.0998018	3.77E-05	1.48E-05	8.36E-02	3.16E-05	1.24E-05	5.43E-02	2.05E-05	5.19E-07	5.74E-02	2.17E-05	5.49E-07	1.49E-05	1.24E-05
5580	475609.57, 3849096.09	0.0902195	3.41E-05	1.34E-05	7.31E-02	2.76E-05	1.09E-05	4.52E-02	1.71E-05	4.32E-07	4.76E-02	1.80E-05	4.56E-07	1.34E-05	1.09E-05
5581	475680.68, 3849116.62	0.0971319	3.67E-05	1.44E-05	8.08E-02	3.05E-05	1.20E-05	5.19E-02	1.96E-05	4.96E-07	5.50E-02	2.08E-05	5.26E-07	1.45E-05	1.20E-05
5582	475843.76, 3849151.52	0.1114846	4.22E-05	1.66E-05	9.56E-02	3.62E-05	1.42E-05	6.41E-02	2.42E-05	6.13E-07	6.77E-02	2.56E-05	6.48E-07	1.66E-05	1.42E-05
5583	475935.73, 3849165.89	0.1044496	3.95E-05	1.55E-05	8.89E-02	3.36E-05	1.32E-05	5.90E-02	2.23E-05	5.64E-07	6.21E-02	2.35E-05	5.94E-07	1.55E-05	1.32E-05
5584	476027.7, 3849180.26	0.1048438	3.96E-05	1.56E-05	8.91E-02	3.37E-05	1.32E-05	5.90E-02	2.23E-05	5.64E-07	6.20E-02	2.34E-05	5.93E-07	1.56E-05	1.33E-05
5585	476119.68, 3849194.64	0.1101717	4.17E-05	1.64E-05	9.34E-02	3.53E-05	1.39E-05	6.17E-02	2.33E-05	5.90E-07	6.47E-02	2.44E-05	6.19E-07	1.64E-05	1.39E-05
5586	476211.65, 3849209.01	0.1102232	4.17E-05	1.64E-05	9.30E-02	3.52E-05	1.38E-05	6.10E-02	2.31E-05	5.84E-07	6.38E-02	2.41E-05	6.11E-07	1.64E-05	1.38E-05
5587	476497.8, 3849283.9	0.1347049	5.09E-05	2.00E-05	1.17E-01	4.41E-05	1.73E-05	7.92E-02	2.99E-05	7.58E-07	8.45E-02	3.19E-05	8.08E-07	2.01E-05	1.74E-05
5588	476603.73, 3849323.77	0.135513	5.12E-05	2.01E-05	1.17E-01	4.42E-05	1.74E-05	7.89E-02	2.98E-05	7.55E-07	8.40E-02	3.18E-05	8.03E-07	2.02E-05	1.74E-05
5589	476728.99, 3849382.76	0.1299581	4.91E-05	1.93E-05	1.10E-01	4.17E-05	1.64E-05	7.28E-02	2.75E-05	6.96E-07	7.72E-02	2.92E-05	7.38E-07	1.93E-05	1.64E-05
5590	476801.27, 3849418.65	0.1312939	4.96E-05	1.95E-05	1.11E-01	4.19E-05	1.65E-05	7.27E-02	2.75E-05	6.96E-07	7.69E-02	2.91E-05	7.35E-07	1.95E-05	1.65E-05
5591	476956.2, 3849495.05	0.1336714	5.05E-05	1.99E-05	1.12E-01	4.24E-05	1.66E-05	7.28E-02	2.75E-05	6.96E-07	7.66E-02	2.90E-05	7.32E-07	1.99E-05	1.67E-05
5592	477038.84, 3849535.56	0.136323	5.15E-05	2.02E-05	1.14E-01	4.31E-05	1.69E-05	7.38E-02	2.79E-05	7.06E-07	7.74E-02	2.93E-05	7.41E-07	2.03E-05	1.70E-05
5593	477121.48, 3849576.08	0.1371023	5.18E-05	2.04E-05	1.14E-01	4.32E-05	1.70E-05	7.35E-02	2.78E-05	7.03E-07	7.69E-02	2.91E-05	7.36E-07	2.04E-05	1.70E-05
5594	477204.13, 3849616.6	0.13907	5.26E-05	2.07E-05	1.15E-01	4.36E-05	1.71E-05	7.39E-02	2.79E-05	7.07E-07	7.71E-02	2.92E-05	7.38E-07	2.07E-05	1.72E-05
5595	477286.78, 3849657.12	0.1352301	5.11E-05	2.01E-05	1.11E-01	4.18E-05	1.64E-05	6.95E-02	2.63E-05	6.65E-07	7.22E-02	2.73E-05	6.91E-07	2.01E-05	1.65E-05
5596	477369.42, 3849697.63	0.1409625	5.33E-05	2.09E-05	1.16E-01	4.40E-05	1.73E-05	7.39E-02	2.79E-05	7.07E-07	7.68E-02	2.90E-05	7.34E-07	2.10E-05	1.73E-05
5597	477452.07, 3849738.15	0.1419745	5.37E-05	2.11E-05	1.17E-01	4.42E-05	1.74E-05	7.39E-02	2.79E-05	7.07E-07	7.64E-02	2.89E-05	7.31E-07	2.11E-05	1.74E-05
5598	477534.71, 3849778.67	0.1453908	5.50E-05	2.16E-05	1.20E-01	4.53E-05	1.78E-05	7.61E-02	2.88E-05	7.28E-07	7.87E-02	2.97E-05	7.52E-07	2.16E-05	1.78E-05
5599	477617.35, 3849819.18	0.1461974	5.53E-05	2.17E-05	1.20E-01	4.54E-05	1.78E-05	7.59E-02	2.87E-05	7.26E-07	7.82E-02	2.96E-05	7.48E-07	2.17E-05	1.79E-05
5600	477824.74, 3849896.37	0.1195798	4.52E-05	1.78E-05	9.04E-02	3.42E-05	1.34E-05	4.98E-02	1.88E-05	4.77E-07	5.15E-02	1.95E-05	4.93E-07	1.78E-05	1.34E-05
5601	477906.31, 3849936.37	0.1231806	4.66E-05	1.83E-05	9.31E-02	3.52E-05	1.38E-05	5.14E-02	1.94E-05	4.91E-07	5.27E-02	1.99E-05	5.04E-07	1.83E-05	1.38E-05
5602	477987.89, 3849976.36	0.1232599	4.66E-05	1.83E-05	9.32E-02	3.52E-05	1.38E-05	5.14E-02	1.94E-05	4.92E-07	5.29E-02	2.00E-05	5.06E-07	1.83E-05	1.39E-05
5603	478069.47, 3850016.36	0.1241409	4.69E-05	1.84E-05	9.40E-02	3.55E-05	1.40E-05	5.20E-02	1.97E-05	4.97E-07	5.32E-02	2.01E-05	5.09E-07	1.85E-05	1.40E-05
5604	478151.04, 3850056.35	0.1246118	4.71E-05	1.85E-05	9.44E-02	3.57E-05	1.40E-05	5.23E-02	1.98E-05	5.00E-07	5.34E-02	2.02E-05	5.10E-07	1.85E-05	1.40E-05
5605	478232.62, 3850096.35	0.125115	4.73E-05	1.86E-05	9.50E-02	3.59E-05	1.41E-05	5.28E-02	2.00E-05	5.05E-07	5.38E-02	2.03E-05	5.15E-07	1.86E-05	1.41E-05
5606	478314.2, 3850136.34	0.1252352	4.73E-05	1.86E-05	9.52E-02	3.60E-05	1.41E-05	5.30E-02	2.00E-05	5.07E-07	5.39E-02	2.04E-05	5.16E-07	1.86E-05	1.41E-05
5607	478395.77, 3850176.34	0.1256055	4.75E-05	1.87E-05	9.54E-02	3.61E-05	1.42E-05	5.31E-02	2.01E-05	5.08E-07	5.39E-02	2.04E-05	5.16E-07	1.87E-05	1.42E-05
5608	478575.43, 3850244.45	0.1119045	4.23E-05	1.66E-05	8.07E-02	3.05E-05	1.20E-05	4.06E-02	1.54E-05	3.89E-07	4.13E-02	1.56E-05	3.95E-07	1.66E-05	1.20E-05
5609	478665.06, 3850287.29	0.1127365	4.26E-05	1.67E-05	8.08E-02	3.06E-05	1.20E-05	4.02E-02	1.52E-05	3.84E-07	4.08E-02	1.54E-05	3.90E-07	1.68E-05	1.20E-05
5610	478754.69, 3850330.14	0.1128794	4.27E-05	1.68E-05	8.06E-02	3.05E-05	1.20E-05	3.97E-02	1.50E-05	3.80E-07	4.03E-02	1.52E-05	3.85E-07	1.68E-05	1.20E-05
5611	478844.32, 3850372.99	0.1128505	4.27E-05	1.68E-05	8.01E-02	3.03E-05	1.19E-05	3.90E-02	1.47E-05	3.73E-07	3.95E-02	1.49E-05	3.77E-07	1.68E-05	1.19E-05
5612	478933.95, 3850415.84	0.1132355	4.28E-05	1.68E-05	7.97E-02	3.01E-05	1.18E-05	3.80E-02	1.44E-05	3.64E-07	3.85E-02	1.46E-05	3.69E-07	1.68E-05	1.18E-05
5613	479023.58, 3850458.68	0.1181368	4.47E-05	1.75E-05	8.23E-02	3.11E-05	1.22E-05	3.85E-02	1.46E-05	3.68E-07	3.89E-02	1.47E-05	3.72E-07	1.76E-05	1.22E-05
5614	479110.66, 3850441.9	0.0855613	3.23E-05	1.27E-05	5.57E-02	2.11E-05	8.28E-06	2.18E-02	8.25E-06	2.09E-07	2.24E-02	8.46E-06	2.14E-07	1.27E-05	8.28E-06
5615	479191.22, 3850423.99	0.0756472	2.86E-05	1.12E-05	4.67E-02	1.77E-05	6.94E-06	1.53E-02	5.79E-06	1.47E-07	1.58E-02	5.98E-06	1.51E-07	1.12E-05	6.94E-06
5616	479274.32, 3850465.71	0.0907935	3.43E-05	1.35E-05	5.42E-02	2.05E-05	8.05E-06	1.55E-02	5.85E-06	1.48E-07	1.60E-02	6.04E-06	1.53E-07	1.35E-05	8.05E-06
5617	479357.43, 3850507.42	0.097164	3.67E-05	1.44E-05	5.74E-02	2.17E-05	8.52E-06	1.56E-02	5.91E-06	1.50E-07	1.61E-02	6.08E-06	1.54E-07	1.44E-05	8.53E-06
5618	479440.53, 3850549.14	0.1001225	3.79E-05	1.49E-05	5.88E-02	2.22E-05	8.74E-06	1.56E-02	5.90E-06	1.49E-07	1.60E-02	6.07E-06	1.53E-07	1.49E-05	8.74E-06
5619	479523.64, 3850590.85	0.1016927	3.84E-05	1.51E-05	5.96E-02	2.25E-05	8.85E-06	1.56E-02	5.91E-06	1.50E-07	1.61E-02	6.07E-06	1.54E-07	1.51E-05	8.86E-06
5620	479606.74, 3850632.57	0.1027922	3.89E-05	1.53E-05	6.02E-02	2.28E-05	8.94E-06	1.58E-02	5.96E-06	1.51E-07	1.62E-02	6.12E-06	1.55E-07	1.53E-05	8.95E-06
5621	479777.37, 3850707.61	0.0964734	3.65E-05	1.43E-05	5.66E-02	2.14E-05	8.41E-06	1.50E-02	5.67E-06	1.44E-07	1.54E-02	5.82E-06	1.47E-07	1.43E-05	8.42E-06
5622	479864.9, 3850740.95	0.0873824	3.30E-05	1.30E-05	5.18E-02	1.96E-05	7.69E-06	1.43E-02	5.43E-06	1.37E-07	1.47E-02	5.57E-06	1.41E-07	1.30E-05	7.70E-06
5623	479931.87, 3850829.56	0.0935988	3.54E-05	1.39E-05	5.84E-02	2.21E-05	8.68E-06	1.99E-02	7.53E-06	1.90E-07	2.03E-02	7.68E-06	1.94E-07	1.39E-05	8.68E-06
5624	479995.55, 3850926.75	0.1105981	4.18E-05	1.64E-05	7.70E-02	2.91E-05	1.14E-05	3.58E-02	1.35E-05	3.43E-07	3.61E-02	1.37E-05	3.46E-07	1.64E-05	1.14E-05
5625	480079.78, 3850968.64	0.1088965	4.12E-05	1.62E-05	7.60E-02	2.87E-05	1.13E-05	3.57E-02	1.35E-05	3.41E-07	3.62E-02	1.37E-05	3.46E-07	1.62E-05	1.13E-05
5626	480164.01, 3851010.54	0.1081908	4.09E-05	1.61E-05	7.57E-02	2.86E-05	1.12E-05	3.57E-02	1.35E-05	3.41E-07	3.64E-02	1.38E-05	3.48E-07	1.61E-05	1.12E-05
5627	480248.23, 3851052.43	0.1074584	4.06E-05	1.60E-05	7.52E-02	2.84E-05	1.12E-05	3.54E-02	1.34E-05	3.39E-07	3.64E-02	1.38E-05	3.48E-07	1.60E-05	1.12E-05
5628	480332.46, 3851094.33	0.1077515	4.07E-05	1.60E-05	7.55E-02	2.86E-05	1.12E-05	3.58E-02	1.35E-05	3.42E-07	3.69E-02	1.40E-05	3.53E-07	1.60E-05	1.12E-05
5629	480416.69, 3851136.22	0.108784	4.11E-05	1.62E-05	7.65E-02	2.89E-05	1.14E-05	3.64E-02	1.38E-05	3.48E-07	3.77E-02	1.43E-05	3.61E-07	1.62E-05	1.14E-05
5630	480579.95, 3851215.17	0.1080429	4.08E-05	1.60E-05	7.58E-02	2.86E-05	1.13E-05	3.59E-02	1.36E-05	3.43E-07	3.74E-02	1.42E-05	3.58E-07	1.61E-05	1.13E-05
5631	480658.98, 3851252.22	0.1073305	4.06E-05	1.59E-05	7.49E-02	2.83E-05	1.11E-05	3.51E-02	1.33E-05	3.36E-07	3.68E-02	1.39E-05	3.52E-07	1.60E-05	1.11E-05
5632	480817.36, 3851327.85	0.1078393	4.08E-05	1.60E-05	7.45E-02	2.82E-05	1.11E-05	3.41E-02	1.29E-05	3.27E-07	3.61E-02	1.36E-05	3.45E-07	1.60E-05	1.11E-05
5633	480896.71, 3851366.42	0.1077227	4.07E-05	1.60E-05	7.43E-02	2.81E-05	1.10E-05	3.39E-02	1.28E-05	3.24E-07	3.60E-02	1.36E-05	3.44E-07	1.60E-05	1.11E-05
5634	480976.07, 3851405	0.1073707	4.06E-05	1.59E-05	7.39E-02	2.80E-05	1.10E-05	3.36E-02	1.27E-05	3.21E-07	3.58E-02	1.35E-05	3.43E-07	1.60E-05	1.10E-05
5635	481178, 3851487.31	0.0920964	3.48E-05	1.37E-05	6.23E-02	2.35E-05	9.25E-06	2.70E-02	1.02E-05	2.59E-07	2.88E-02	1.09E-05	2.75E-07	1.37E-05	9.27E-06
5636	481244.9, 3851557.17	0.0983331	3.72E-05	1.46E-05	6.96E-02	2.63E-05	1.03E-05	3.37E-02	1.28E-05	3.23E-07	3.55E-02	1.34E-05	3.39E-07	1.46E-05	1.04E-05

5637	481311.81, 3851627.03	0.0999892	3.78E-05	1.49E-05	7.37E-02	2.78E-05	1.09E-05	3.87E-02	1.46E-05	3.70E-07	4.05E-02	1.53E-05	3.87E-07	1.49E-05	1.10E-05
5638	481378.71, 3851696.89	0.0945969	3.58E-05	1.41E-05	7.01E-02	2.65E-05	1.04E-05	3.72E-02	1.41E-05	3.56E-07	3.88E-02	1.47E-05	3.71E-07	1.41E-05	1.04E-05
5639	481445.61, 3851766.76	0.0912283	3.45E-05	1.36E-05	6.82E-02	2.58E-05	1.01E-05	3.68E-02	1.39E-05	3.52E-07	3.84E-02	1.45E-05	3.67E-07	1.36E-05	1.01E-05
5640	481512.51, 3851836.62	0.0900386	3.40E-05	1.34E-05	6.76E-02	2.55E-05	1.00E-05	3.68E-02	1.39E-05	3.52E-07	3.83E-02	1.45E-05	3.67E-07	1.34E-05	1.00E-05
5641	481579.42, 3851906.48	0.0896686	3.39E-05	1.33E-05	6.72E-02	2.54E-05	9.98E-06	3.65E-02	1.38E-05	3.49E-07	3.81E-02	1.44E-05	3.64E-07	1.33E-05	1.00E-05
5642	481646.32, 3851976.34	0.0902721	3.41E-05	1.34E-05	6.77E-02	2.56E-05	1.01E-05	3.68E-02	1.39E-05	3.52E-07	3.84E-02	1.45E-05	3.67E-07	1.34E-05	1.01E-05
5643	481713.22, 3852046.2	0.0902227	3.41E-05	1.34E-05	6.75E-02	2.55E-05	1.00E-05	3.66E-02	1.38E-05	3.50E-07	3.81E-02	1.44E-05	3.65E-07	1.34E-05	1.00E-05
5644	481780.12, 3852116.06	0.0909139	3.44E-05	1.35E-05	6.81E-02	2.57E-05	1.01E-05	3.69E-02	1.39E-05	3.53E-07	3.85E-02	1.45E-05	3.68E-07	1.35E-05	1.01E-05
5645	481847.03, 3852185.92	0.0919428	3.48E-05	1.37E-05	6.89E-02	2.60E-05	1.02E-05	3.74E-02	1.41E-05	3.58E-07	3.90E-02	1.47E-05	3.73E-07	1.37E-05	1.02E-05
5646	481913.93, 3852255.78	0.0926823	3.50E-05	1.38E-05	6.94E-02	2.63E-05	1.03E-05	3.77E-02	1.42E-05	3.60E-07	3.93E-02	1.49E-05	3.76E-07	1.38E-05	1.03E-05
5647	481980.83, 3852325.65	0.09366	3.54E-05	1.39E-05	7.02E-02	2.65E-05	1.04E-05	3.81E-02	1.44E-05	3.65E-07	3.97E-02	1.50E-05	3.80E-07	1.39E-05	1.04E-05
5648	482047.73, 3852395.51	0.0941867	3.56E-05	1.40E-05	7.05E-02	2.67E-05	1.05E-05	3.82E-02	1.44E-05	3.66E-07	3.99E-02	1.51E-05	3.82E-07	1.40E-05	1.05E-05
5649	482114.64, 3852465.37	0.0945804	3.58E-05	1.40E-05	7.07E-02	2.67E-05	1.05E-05	3.82E-02	1.45E-05	3.66E-07	3.99E-02	1.51E-05	3.82E-07	1.41E-05	1.05E-05
5650	482181.54, 3852535.23	0.0956883	3.62E-05	1.42E-05	7.16E-02	2.71E-05	1.06E-05	3.88E-02	1.47E-05	3.71E-07	4.04E-02	1.53E-05	3.87E-07	1.42E-05	1.07E-05
5651	482338.69, 3852700.04	0.0980254	3.71E-05	1.46E-05	7.33E-02	2.77E-05	1.09E-05	3.97E-02	1.50E-05	3.79E-07	4.13E-02	1.56E-05	3.95E-07	1.46E-05	1.09E-05
5652	482404.05, 3852767.78	0.0984091	3.72E-05	1.46E-05	7.33E-02	2.77E-05	1.09E-05	3.94E-02	1.49E-05	3.77E-07	4.11E-02	1.55E-05	3.93E-07	1.46E-05	1.09E-05
5653	482469.4, 3852835.52	0.099908	3.78E-05	1.48E-05	7.42E-02	2.81E-05	1.10E-05	3.96E-02	1.50E-05	3.79E-07	4.13E-02	1.56E-05	3.95E-07	1.49E-05	1.10E-05
5654	482534.75, 3852903.25	0.1028754	3.89E-05	1.53E-05	7.56E-02	2.86E-05	1.12E-05	3.96E-02	1.50E-05	3.79E-07	4.12E-02	1.56E-05	3.94E-07	1.53E-05	1.12E-05
5655	482600.11, 3852970.99	0.1054626	3.99E-05	1.57E-05	7.63E-02	2.88E-05	1.13E-05	3.86E-02	1.46E-05	3.70E-07	4.04E-02	1.53E-05	3.86E-07	1.57E-05	1.13E-05
5656	482706.71, 3853119.28	0.0990831	3.75E-05	1.47E-05	6.84E-02	2.59E-05	1.02E-05	3.13E-02	1.18E-05	2.99E-07	3.31E-02	1.25E-05	3.16E-07	1.47E-05	1.02E-05
5657	482747.96, 3853199.84	0.1009257	3.82E-05	1.50E-05	6.96E-02	2.63E-05	1.03E-05	3.17E-02	1.20E-05	3.04E-07	3.35E-02	1.27E-05	3.20E-07	1.50E-05	1.04E-05
5658	482789.21, 3853280.4	0.1013045	3.83E-05	1.50E-05	6.87E-02	2.60E-05	1.02E-05	3.00E-02	1.13E-05	2.87E-07	3.20E-02	1.21E-05	3.06E-07	1.51E-05	1.02E-05
5659	482830.46, 3853360.96	0.09913	3.75E-05	1.47E-05	6.46E-02	2.44E-05	9.59E-06	2.53E-02	9.56E-06	2.42E-07	2.87E-02	1.08E-05	2.74E-07	1.48E-05	9.62E-06
5660	482871.71, 3853441.52	0.0986442	3.73E-05	1.47E-05	6.20E-02	2.35E-05	9.21E-06	2.17E-02	8.21E-06	2.08E-07	2.59E-02	9.79E-06	2.48E-07	1.47E-05	9.25E-06
5661	482912.95, 3853522.07	0.0997989	3.77E-05	1.48E-05	6.08E-02	2.30E-05	9.03E-06	1.89E-02	7.16E-06	1.81E-07	2.43E-02	9.18E-06	2.32E-07	1.49E-05	9.08E-06
5662	482954.2, 3853602.63	0.1006106	3.80E-05	1.49E-05	5.90E-02	2.23E-05	8.77E-06	1.56E-02	5.89E-06	1.49E-07	2.32E-02	8.76E-06	2.22E-07	1.50E-05	8.84E-06
5663	482995.45, 3853683.19	0.1027577	3.89E-05	1.53E-05	5.84E-02	2.21E-05	8.68E-06	1.30E-02	4.93E-06	1.25E-07	2.22E-02	8.40E-06	2.13E-07	1.54E-05	8.77E-06
5664	483036.7, 3853763.75	0.1064453	4.02E-05	1.58E-05	5.90E-02	2.23E-05	8.77E-06	1.12E-02	4.23E-06	1.07E-07	2.14E-02	8.11E-06	2.05E-07	1.59E-05	8.87E-06
5665	483214.2, 3853909.91	0.1172819	4.43E-05	1.74E-05	6.11E-02	2.31E-05	9.08E-06	6.28E-03	2.38E-06	6.01E-08	1.20E-02	4.53E-06	1.14E-07	1.75E-05	9.14E-06
5666	483307.01, 3853910.44	0.1091767	4.13E-05	1.62E-05	5.65E-02	2.14E-05	8.39E-06	5.23E-03	1.98E-06	5.00E-08	9.29E-03	3.51E-06	8.89E-08	1.63E-05	8.43E-06
5667	483399.83, 3853910.96	0.1011696	3.83E-05	1.50E-05	5.21E-02	1.97E-05	7.74E-06	4.45E-03	1.68E-06	4.26E-08	7.62E-03	2.88E-06	7.29E-08	1.51E-05	7.77E-06
5668	483494.52, 3854009.24	0.1142909	4.32E-05	1.70E-05	5.82E-02	2.20E-05	8.65E-06	3.99E-03	1.51E-06	3.82E-08	8.43E-03	3.19E-06	8.07E-08	1.70E-05	8.69E-06
5669	483496.41, 3854106.98	0.1216286	4.60E-05	1.81E-05	6.18E-02	2.34E-05	9.19E-06	4.08E-03	1.54E-06	3.91E-08	1.24E-02	4.68E-06	1.18E-07	1.81E-05	9.26E-06
5670	483577.56, 3854261.96	0.1296305	4.90E-05	1.93E-05	6.55E-02	2.48E-05	9.72E-06	3.67E-03	1.39E-06	3.51E-08	2.29E-02	8.64E-06	2.19E-07	1.94E-05	9.91E-06
5671	483656.83, 3854319.19	0.1326582	5.02E-05	1.97E-05	6.67E-02	2.52E-05	9.91E-06	3.30E-03	1.25E-06	3.16E-08	2.44E-02	9.21E-06	2.33E-07	1.99E-05	1.01E-05
5672	483736.1, 3854376.41	0.135458	5.12E-05	2.01E-05	6.79E-02	2.57E-05	1.01E-05	3.01E-03	1.14E-06	2.88E-08	2.59E-02	9.79E-06	2.48E-07	2.03E-05	1.03E-05
5673	483815.36, 3854433.64	0.1389811	5.25E-05	2.06E-05	6.94E-02	2.63E-05	1.03E-05	2.77E-03	1.05E-06	2.65E-08	2.78E-02	1.05E-05	2.66E-07	2.09E-05	1.06E-05
5674	483894.63, 3854490.87	0.1432826	5.42E-05	2.13E-05	7.14E-02	2.70E-05	1.06E-05	2.58E-03	9.75E-07	2.47E-08	3.00E-02	1.13E-05	2.87E-07	2.15E-05	1.09E-05
5675	483973.9, 3854548.09	0.1485501	5.62E-05	2.21E-05	7.39E-02	2.79E-05	1.10E-05	2.43E-03	9.18E-07	2.32E-08	3.22E-02	1.22E-05	3.08E-07	2.23E-05	1.13E-05
5676	484053.17, 3854605.32	0.153938	5.82E-05	2.29E-05	7.64E-02	2.89E-05	1.14E-05	2.34E-03	8.84E-07	2.24E-08	3.57E-02	1.35E-05	3.41E-07	2.32E-05	1.17E-05
5677	484214.97, 3854698.15	0.1555784	5.88E-05	2.31E-05	7.71E-02	2.92E-05	1.15E-05	2.19E-03	8.29E-07	2.10E-08	3.68E-02	1.39E-05	3.52E-07	2.34E-05	1.18E-05
5678	484297.5, 3854733.74	0.1550648	5.86E-05	2.30E-05	7.69E-02	2.91E-05	1.14E-05	2.17E-03	8.19E-07	2.07E-08	3.74E-02	1.42E-05	3.58E-07	2.34E-05	1.18E-05
5679	484380.03, 3854769.34	0.1579418	5.97E-05	2.35E-05	7.82E-02	2.96E-05	1.16E-05	2.11E-03	7.98E-07	2.02E-08	3.68E-02	1.39E-05	3.52E-07	2.38E-05	1.20E-05
5680	484462.56, 3854804.94	0.1598399	6.04E-05	2.37E-05	7.92E-02	2.99E-05	1.18E-05	2.10E-03	7.92E-07	2.00E-08	3.66E-02	1.38E-05	3.50E-07	2.41E-05	1.21E-05
5681	484545.09, 3854840.53	0.1619156	6.12E-05	2.40E-05	8.01E-02	3.03E-05	1.19E-05	2.04E-03	7.72E-07	1.95E-08	3.51E-02	1.33E-05	3.36E-07	2.44E-05	1.22E-05
5682	484691.88, 3854912.58	0.1620393	6.13E-05	2.41E-05	8.02E-02	3.03E-05	1.19E-05	2.04E-03	7.73E-07	1.96E-08	3.69E-02	1.40E-05	3.53E-07	2.44E-05	1.22E-05
5683	484830.81, 3855012.51	0.1592444	6.02E-05	2.37E-05	7.89E-02	2.98E-05	1.17E-05	2.07E-03	7.84E-07	1.98E-08	3.12E-02	1.18E-05	2.98E-07	2.39E-05	1.20E-05
5684	484905.48, 3855075.97	0.1583828	5.99E-05	2.35E-05	7.85E-02	2.97E-05	1.17E-05	2.15E-03	8.14E-07	2.06E-08	2.88E-02	1.09E-05	2.76E-07	2.38E-05	1.19E-05
5685	484980.14, 3855139.44	0.157984	5.97E-05	2.35E-05	7.83E-02	2.96E-05	1.16E-05	2.20E-03	8.32E-07	2.10E-08	2.73E-02	1.03E-05	2.61E-07	2.37E-05	1.19E-05
5686	485054.81, 3855202.91	0.1569763	5.93E-05	2.33E-05	7.78E-02	2.94E-05	1.16E-05	2.22E-03	8.37E-07	2.12E-08	2.58E-02	9.76E-06	2.47E-07	2.35E-05	1.18E-05
5687	485129.48, 3855266.37	0.1573698	5.95E-05	2.34E-05	7.80E-02	2.95E-05	1.16E-05	2.19E-03	8.28E-07	2.09E-08	2.39E-02	9.04E-06	2.29E-07	2.36E-05	1.18E-05
5688	485204.15, 3855329.84	0.157054	5.94E-05	2.33E-05	7.79E-02	2.94E-05	1.16E-05	2.24E-03	8.48E-07	2.14E-08	2.36E-02	8.91E-06	2.25E-07	2.35E-05	1.18E-05
5689	485278.82, 3855393.31	0.156442	5.91E-05	2.32E-05	7.76E-02	2.93E-05	1.15E-05	2.25E-03	8.51E-07	2.15E-08	2.24E-02	8.46E-06	2.14E-07	2.34E-05	1.17E-05
5690	485353.48, 3855456.77	0.156232	5.91E-05	2.32E-05	7.75E-02	2.93E-05	1.15E-05	2.28E-03	8.64E-07	2.18E-08	2.15E-02	8.14E-06	2.06E-07	2.34E-05	1.17E-05
5691	485428.15, 3855520.24	0.154861	5.86E-05	2.30E-05	7.69E-02	2.91E-05	1.14E-05	2.29E-03	8.67E-07	2.19E-08	2.05E-02	7.75E-06	1.96E-07	2.32E-05	1.16E-05
5692	485502.82, 3855583.71	0.1561289	5.90E-05	2.32E-05	7.75E-02	2.93E-05	1.15E-05	2.31E-03	8.73E-07	2.21E-08	1.97E-02	7.44E-06	1.88E-07	2.34E-05	1.17E-05
5693	485577.49, 3855647.17	0.1535128	5.80E-05	2.28E-05	7.62E-02	2.88E-05	1.13E-05	2.36E-03	8.92E-07	2.26E-08	1.92E-02	7.25E-06	1.84E-07	2.30E-05	1.15E-05
5694	485652.16, 3855710.64	0.1542087	5.83E-05	2.29E-05	7.66E-02	2.90E-05	1.14E-05	2.41E-03	9.11E-07	2.30E-08	1.87E-02	7.05E-06	1.78E-07	2.31E-05	1.15E-05
5695	485726.83, 3855774.1	0.1522508	5.76E-05	2.26E-05	7.57E-02	2.86E-05	1.12E-05	2.42E-03	9.16E-07	2.32E-08	1.79E-02	6.77E-06	1.71E-07	2.28E-05	1.14E-05
5696	485801.49, 3855837.57	0.1529473	5.78E-05	2.27E-05	7.60E-02	2.87E-05	1.13E-05	2.42E-03	9.14E-07	2.31E-08	1.71E-02	6.47E-06	1.64E-07	2.29E-05	1.14E-05
5697	485876.16, 3855901.04	0.1517951	5.74E-05	2.25E-05	7.55E-02	2.85E-05	1.12E-05	2.43E-03	9.19E-07	2.32E-08	1.66E-02	6.27E-06	1.59E-07	2.27E-05	1.13E-05
5698	485950.83, 3855964.5	0.1522929	5.76E-05	2.26E-05	7.57E-02	2.86E-05	1.12E-05	2.43E-03	9.17E-07	2.32E-08	1.61E-02	6.07E-06	1.54E-07	2.28E-05	1.14E-05
5699	486025.5, 3856027.97	0.1518406	5.74E-05	2.26E-05	7.55E-02	2.85E-05	1.12E-05	2.40E-03	9.08E-07	2.30E-08	1.54E-02	5.83E-06	1.47E-07	2.27E-05	1.13E-05
5700	486100.17, 3856091.44	0.1510195	5.71E-05	2.24E-05	7.51E-02	2.84E-05	1.12E-05	2.46E-03	9.32E-07	2.36E-08	1.54E-02	5.81E-06	1.47E-07	2.26E-05	1.13E-05
5701	486174.83, 3856154.9	0.1508189	5.70E-05	2.24E-05	7.50E-02	2.83E-05	1.11E-05	2.43E-03	9.18E-07	2.32E-08	1.46E-02	5.53E-06	1.40E-07	2.25E-05	1.13E-05
5702	486249.5, 3856218.37	0.1523398	5.76E-05	2.26E-05	7.57E-02	2.86E-05	1.12E-05	2.34E-03	8.86E-07	2.24E-08	1.37E-02	5.18E-06	1.31E-07	2.27E-05	1.13E-05
5703	486324.17, 3856281.84	0.1532518	5.79E-05	2.28E-05	7.61E-02	2.88E-05	1.13E-05	2.29E-03	8.65E-07	2.19E-08	1.33E-02	5.03E-06	1.27E-07	2.29E-05	1.14E-05
5704	486398.84, 3856345.3	0.1522918	5.76E-05	2.26E-05	7.56E-02	2.86E-05	1.12E-05	2.31E-03	8.75E-07	2.21E-08	1.34E-02	5.08E-06	1.29E-07	2.27E-05	1.13E-05
5705	486473.51, 3856408.77	0.1515723	5.73E-05	2.25E-05	7.53E-02	2.85E-05	1.12E-05	2.32E-03	8.77E-07	2.22E-08	1.32E-02	4.99E-06	1.26E-07	2.26E-05	1.13E-05
5706	486548.17, 3856472.24	0.1503747	5.69E-05	2.23E-05	7.47E-02	2.82E-05	1.11E-05	2.35E-03	8.88E-07	2.25E-08	1.31E-02	4.95E-06	1.25E-07	2.24E-05	1.12E-05
5707	486622.84, 3856535.7	0.1506579	5.70E-05	2.24E-05	7.49E-02	2.83E-05	1.11E-05	2.38E-03	9.01E-07	2.28E-08	1.29E-02	4.87E-06	1.23E-07	2.25E-05	1.12E-05
5708	486765.48, 3856659.69	0.1473663	5.57E-05	2.19E-05	7.33E-02	2.77E-05	1.09E-05	2.48E-03	9.38E-07	2.37E-08	1.23E-02	4.66E-06	1.18E-07	2.20E-05	1.10E-05
5709	486833.44, 3856720.2	0.1505115	5.69E-05	2.24E-05	7.49E-02	2.83E-05	1.11E-05	2.52E-03	9.52E-07	2.41E-08	1.22E-02	4.60E-06	1.16E-07	2.24E-05	1.12E-05
5710	486901.41, 3856780.72	0.1505879	5.69E-05	2.24E-05	7.50E-02	2.83E-05	1.11E-05	2.57E-03	9.73E-07	2.46E-08	1.20E-02	4.53E-06	1.15E-07	2.25E-05	1.12E-05
5711	486969.38, 3856841.24	0.1513895	5.72E-05	2.25E-05	7.54E-02	2.85E-05	1.12E-05	2.62E-03	9.90E-07	2.51E-08	1.18E-02	4.48E-06	1.13E-07	2.26E-05	1.13E-05
5712	487037.34, 3856901.75	0.1540747	5.83E-05	2.29E-05	7.67E-02	2.90E-05	1.14E-05	2.67E-03	1.01E-06	2.55E-08	1.17E-02	4.43E-06	1.12E-07	2.30E-05	1.15E-05
5713	487271.23, 3856855.51	0.123143	4.66E-05	1.83E-05	6.15E-02	2.32E-05	9.13E-06	2.36E-03	8.93E-07	2.26E-08	6.51E-03	2.46E-06	6.23E-08	1.83E-05	9.17E-06
5714	487368.95, 3856857.29	0.1215097	4.59E-05	1.80E-05	6.06E-02	2.29E-05	9.00E-06	2.29E-03	8.64E-07	2.19E-08	5.70E-03	2.15E-06	5.45E-08	1.81E-05	9.04E-06
5715	487466.68, 3856859.06	0.1167279	4.41E-05	1.73E-05	5.83E-02	2.20E-05	8.65E-06	2.22E-03	8.41E-07	2.13E-08	5.07E-03	1.92E-06	4.85E-08	1.74E-05	8.68E-06
5716	487636.44, 3856930	0.122598	4.64E-05	1.82E-05	6.11E-02	2.31E-05	9.07E-06	2.20E-03	8.33E-07	2.11E-08	4.59E-03	1.73E-06	4.39E-08	1.82E-05	9.10E-06
5717	487709.57, 3856928.43	0.1167694	4.41E-05	1.73E-05	5.82E-02	2.20E-05	8.65E-06	2.16E-03	8.17E-07	2.07E-08	4.27E-03	1.61E-06	4.08E-08	1.74E-05	8.67E-06
5718	487782.55, 3856841.96	0.0918441	3.47E-05	1.36E-05	4.60E-02	1.74E-05	6.83E-06	2.02E-03	7.62E-07	1.93E-08	3.72E-03	1.41E-06	3.56E-08	1.37E-05	6.85E-06
5719	487849.83, 3856754.74	0.0806104	3.05E-05	1.20E-05	4.05E-02	1.53E-05	6.01E-06	1.90E-03	7.17E-07	1.81E-08	3.32E-03	1.26E-06	3.18E-08	1.20E-05	6.02E-06
5720	487918.03, 3856819.39	0.0897411	3.39E-05	1.33E-05	4.49E-02	1.70E-05	6.67E-06	1.94E-03	7.33E-07	1.85E-08	3.32E-03	1.26E-06	3.18E-08	1.33E-05	6.69E-06
5721	487918.8, 3856886.37	0.0971597	3.67E-05	1.44E-05	4.86E-02	1.84E-05	7.22E-06	2.01E-03	7.59E-07	1.92E-08	3.48E-03	1.32E-06	3.33E-08	1.44E-05	7.23E-06
5722	488065.46, 3857127.5	0.112159	4.24E-05	1.67E-05	5.60E-02	2.12E-05	8.32E-06	2.19E-03	8.29E-07	2.10E-08	3.77E-03	1.42E-06	3.61E-08	1.67E-05	8.33E-06
5723	488192.19, 3857385.83	0.110434	4.18E-05	1.64E-05	5.54E-02	2.09E-05	8.23E-06	2.53E-03	9.57E-07	2.42E-08	4.26E-03	1.61E-06	4.07E-08	1.64E-05	8.24E-06
5724	488191.21, 3857473.87	0.1120676	4.24E-05	1.66E-05	5.63E-02	2.13E-05	8.36E-06	2.72E-03	1.03E-06	2.60E-08	4.66E-03	1.76E-06	4.46E-08	1.67E-05	8.38E-06
5725	488190.24, 3857561.9	0.1138755	4.31E-05	1.69E-05	5.73E-02	2.17E-05	8.52E-06	2.94E-03	1.11E-06	2.81E-08	5.15E-03	1.95E-06	4.93E-08	1.69E-05	8.54E-06
5726	488158.35, 3857691.13	0.1173411	4.44E-05	1.74E-05	5.93E-02	2.24E-05	8.81E-06	3.37E-03	1.28E-06	3.23E-08	6.43E-03	2.43E-06	6.15E-08	1.75E-05	8.84E-06
5727	488208.37, 3857816.66	0.1114941	4.22E-05	1.66E-05	5.67E-02	2.14E-05	8.42E-06	3.77E-03	1.43E-06	3.61E-08	7.34E-03	2.78E-06	7.02E-08	1.66E-05	8.46E-06
5728	488271.97, 3857874.6	0.1105621	4.18E-05	1.64E-05	5.63E-02	2.13E-05	8.37E-06	3.91E-03	1.48E-06	3.74E-08	7.31E-03	2.76E-06	6.99E-08	1.65E-05	8.40E-06
5729	488463.56, 3857942.31	0.0959414	3.63E-05	1.43E-05	4.92E-02	1.86E-05	7.30E-06	3.83E-03	1.45E-06	3.67E-08	6.11E-03	2.31E-06	5.84E-08	1.43E-05	7.33E-06
5730	488554.83, 3857940.83	0.088202	3.33E-05	1.31E-05	4.53E-02	1.71E-05	6.73E-06	3.64E-03	1.38E-06	3.49E-08	5.43E-03	2.05E-06	5.19E-08	1.31E-05	6.74E-06

5731	488646.1, 3857939.36	0.0824728	3.12E-05	1.22E-05	4.24E-02	1.60E-05	6.30E-06	3.47E-03	1.31E-06	3.32E-08	4.90E-03	1.85E-06	4.68E-08	1.23E-05	6.31E-06
5732	488737.37, 3857937.88	0.0782398	2.96E-05	1.16E-05	4.02E-02	1.52E-05	5.97E-06	3.31E-03	1.25E-06	3.17E-08	4.47E-03	1.69E-06	4.28E-08	1.16E-05	5.99E-06
5733	488733.59, 3857960.57	0.0801652	3.03E-05	1.19E-05	4.12E-02	1.56E-05	6.12E-06	3.39E-03	1.28E-06	3.25E-08	4.59E-03	1.73E-06	4.39E-08	1.19E-05	6.13E-06
5734	488638.09, 3857961.57	0.0847437	3.20E-05	1.26E-05	4.36E-02	1.65E-05	6.47E-06	3.57E-03	1.35E-06	3.41E-08	5.06E-03	1.91E-06	4.84E-08	1.26E-05	6.48E-06
5735	488542.6, 3857962.56	0.0911974	3.45E-05	1.35E-05	4.68E-02	1.77E-05	6.95E-06	3.76E-03	1.42E-06	3.60E-08	5.67E-03	2.15E-06	5.43E-08	1.36E-05	6.97E-06
5736	488447.1, 3857963.56	0.1003659	3.79E-05	1.49E-05	5.14E-02	1.94E-05	7.64E-06	3.97E-03	1.50E-06	3.80E-08	6.46E-03	2.44E-06	6.18E-08	1.49E-05	7.66E-06
5737	488254.28, 3857890.36	0.1168384	4.42E-05	1.74E-05	5.95E-02	2.25E-05	8.83E-06	4.03E-03	1.52E-06	3.85E-08	7.77E-03	2.94E-06	7.43E-08	1.74E-05	8.87E-06
5738	488191.69, 3857833.06	0.1172284	4.43E-05	1.74E-05	5.96E-02	2.25E-05	8.85E-06	3.88E-03	1.47E-06	3.71E-08	7.80E-03	2.95E-06	7.46E-08	1.74E-05	8.88E-06
5739	488129.5, 3857907.43	0.1681474	6.36E-05	2.50E-05	8.47E-02	3.20E-05	1.26E-05	4.45E-03	1.68E-06	4.26E-08	1.06E-02	4.02E-06	1.02E-07	2.50E-05	1.26E-05
5740	488196.47, 3857968.73	0.1691361	6.39E-05	2.51E-05	8.53E-02	3.23E-05	1.27E-05	4.66E-03	1.76E-06	4.46E-08	1.06E-02	3.99E-06	1.01E-07	2.52E-05	1.27E-05
5741	488263.44, 3858030.04	0.1705243	6.45E-05	2.53E-05	8.61E-02	3.26E-05	1.28E-05	4.87E-03	1.84E-06	4.66E-08	1.04E-02	3.95E-06	9.99E-08	2.54E-05	1.28E-05
5742	488400.64, 3858132.9	0.1649857	6.24E-05	2.45E-05	8.36E-02	3.16E-05	1.24E-05	5.18E-03	1.96E-06	4.95E-08	9.73E-03	3.68E-06	9.31E-08	2.45E-05	1.25E-05
5743	488519.89, 3858218.38	0.1652319	6.25E-05	2.45E-05	8.40E-02	3.18E-05	1.25E-05	5.54E-03	2.10E-06	5.30E-08	9.44E-03	3.57E-06	9.03E-08	2.46E-05	1.25E-05
5744	488647.97, 3858214.99	0.1411387	5.34E-05	2.10E-05	7.19E-02	2.72E-05	1.07E-05	4.94E-03	1.87E-06	4.73E-08	7.32E-03	2.77E-06	7.00E-08	2.10E-05	1.07E-05
5745	488727.05, 3858167.67	0.1239917	4.69E-05	1.84E-05	6.32E-02	2.39E-05	9.38E-06	4.36E-03	1.65E-06	4.17E-08	6.02E-03	2.28E-06	5.76E-08	1.84E-05	9.40E-06
5746	488806.12, 3858120.35	0.1132516	4.28E-05	1.68E-05	5.76E-02	2.18E-05	8.56E-06	3.90E-03	1.47E-06	3.73E-08	5.14E-03	1.94E-06	4.91E-08	1.68E-05	8.57E-06
5747	488885.2, 3858073.03	0.1055141	3.99E-05	1.57E-05	5.36E-02	2.03E-05	7.97E-06	3.53E-03	1.33E-06	3.38E-08	4.49E-03	1.70E-06	4.29E-08	1.57E-05	7.98E-06
5748	489055.76, 3857991.17	0.0971066	3.67E-05	1.44E-05	4.92E-02	1.86E-05	7.31E-06	2.99E-03	1.13E-06	2.86E-08	3.61E-03	1.37E-06	3.45E-08	1.44E-05	7.31E-06
5749	489245.39, 3857944.54	0.0979454	3.70E-05	1.45E-05	4.94E-02	1.87E-05	7.33E-06	2.64E-03	9.99E-07	2.53E-08	3.08E-03	1.16E-06	2.94E-08	1.46E-05	7.34E-06
5750	489430.63, 3857930.91	0.0999006	3.78E-05	1.48E-05	5.02E-02	1.90E-05	7.46E-06	2.44E-03	9.23E-07	2.34E-08	2.76E-03	1.04E-06	2.64E-08	1.48E-05	7.46E-06
5751	489517.74, 3857929.36	0.0995162	3.76E-05	1.48E-05	5.00E-02	1.89E-05	7.42E-06	2.37E-03	8.94E-07	2.26E-08	2.65E-03	1.00E-06	2.53E-08	1.48E-05	7.42E-06
5752	489604.85, 3857927.82	0.0980078	3.71E-05	1.46E-05	4.92E-02	1.86E-05	7.31E-06	2.29E-03	8.66E-07	2.19E-08	2.54E-03	9.59E-07	2.43E-08	1.46E-05	7.31E-06
5753	489691.97, 3857926.28	0.0960301	3.63E-05	1.43E-05	4.82E-02	1.82E-05	7.16E-06	2.22E-03	8.41E-07	2.13E-08	2.44E-03	9.23E-07	2.33E-08	1.43E-05	7.16E-06
5754	489779.08, 3857924.73	0.093841	3.55E-05	1.39E-05	4.71E-02	1.78E-05	6.99E-06	2.16E-03	8.17E-07	2.07E-08	2.35E-03	8.89E-07	2.25E-08	1.39E-05	6.99E-06
5755	490017.55, 3857875.08	0.0767652	2.90E-05	1.14E-05	3.86E-02	1.46E-05	5.74E-06	1.96E-03	7.39E-07	1.87E-08	2.10E-03	7.93E-07	2.01E-08	1.14E-05	5.74E-06
5756	490033.82, 3857960.81	0.0756061	2.86E-05	1.12E-05	3.81E-02	1.44E-05	5.66E-06	2.05E-03	7.74E-07	1.96E-08	2.17E-03	8.20E-07	2.07E-08	1.12E-05	5.66E-06
5757	489959.15, 3857987.49	0.0753877	2.85E-05	1.12E-05	3.81E-02	1.44E-05	5.65E-06	2.13E-03	8.07E-07	2.04E-08	2.26E-03	8.55E-07	2.16E-08	1.12E-05	5.66E-06
5758	489791.49, 3858016.12	0.0724649	2.74E-05	1.08E-05	3.67E-02	1.39E-05	5.46E-06	2.27E-03	8.59E-07	2.17E-08	2.44E-03	9.23E-07	2.33E-08	1.08E-05	5.46E-06
5759	489698.51, 3858018.07	0.0754336	2.85E-05	1.12E-05	3.82E-02	1.45E-05	5.68E-06	2.35E-03	8.88E-07	2.25E-08	2.55E-03	9.63E-07	2.44E-08	1.12E-05	5.68E-06
5760	489605.52, 3858020.01	0.0784479	2.97E-05	1.17E-05	3.98E-02	1.50E-05	5.90E-06	2.43E-03	9.20E-07	2.33E-08	2.66E-03	1.01E-06	2.55E-08	1.17E-05	5.91E-06
5761	489512.53, 3858021.96	0.0815787	3.08E-05	1.21E-05	4.13E-02	1.56E-05	6.14E-06	2.52E-03	9.54E-07	2.41E-08	2.79E-03	1.06E-06	2.67E-08	1.21E-05	6.14E-06
5762	489419.55, 3858023.91	0.0850624	3.22E-05	1.26E-05	4.31E-02	1.63E-05	6.40E-06	2.62E-03	9.91E-07	2.51E-08	2.94E-03	1.11E-06	2.81E-08	1.26E-05	6.40E-06
5763	489228.47, 3858041.29	0.0940701	3.56E-05	1.40E-05	4.76E-02	1.80E-05	7.08E-06	2.86E-03	1.08E-06	2.74E-08	3.31E-03	1.25E-06	3.17E-08	1.40E-05	7.08E-06
5764	489065.75, 3858085.78	0.1011351	3.82E-05	1.50E-05	5.13E-02	1.94E-05	7.62E-06	3.24E-03	1.22E-06	3.10E-08	3.87E-03	1.46E-06	3.71E-08	1.50E-05	7.63E-06
5765	489001.12, 3858114.86	0.1071369	4.05E-05	1.59E-05	5.44E-02	2.06E-05	8.08E-06	3.45E-03	1.30E-06	3.30E-08	4.20E-03	1.59E-06	4.02E-08	1.59E-05	8.08E-06
5766	488861.89, 3858189.81	0.121009	4.58E-05	1.80E-05	6.15E-02	2.33E-05	9.14E-06	4.06E-03	1.54E-06	3.88E-08	5.23E-03	1.98E-06	5.00E-08	1.80E-05	9.15E-06
5767	488787.29, 3858235.69	0.129753	4.91E-05	1.93E-05	6.61E-02	2.50E-05	9.82E-06	4.57E-03	1.73E-06	4.37E-08	6.13E-03	2.32E-06	5.86E-08	1.93E-05	9.83E-06
5768	488712.68, 3858281.57	0.1422768	5.38E-05	2.11E-05	7.26E-02	2.74E-05	1.08E-05	5.18E-03	1.96E-06	4.95E-08	7.39E-03	2.79E-06	7.07E-08	2.12E-05	1.08E-05
5769	488654.39, 3858436.17	0.1589016	6.01E-05	2.36E-05	8.22E-02	3.11E-05	1.22E-05	7.47E-03	2.83E-06	7.15E-08	1.23E-02	4.65E-06	1.18E-07	2.36E-05	1.23E-05
5770	488726.3, 3858505.26	0.1456316	5.51E-05	2.16E-05	7.61E-02	2.88E-05	1.13E-05	8.06E-03	3.05E-06	7.70E-08	1.24E-02	4.69E-06	1.19E-07	2.17E-05	1.13E-05
5771	488880.6, 3858599.28	0.1546689	5.85E-05	2.30E-05	8.06E-02	3.05E-05	1.20E-05	8.25E-03	3.12E-06	7.89E-08	1.08E-02	4.09E-06	1.03E-07	2.30E-05	1.20E-05
5772	489008.06, 3858714.75	0.116147	4.39E-05	1.73E-05	6.26E-02	2.37E-05	9.30E-06	9.39E-03	3.55E-06	8.98E-08	1.14E-02	4.31E-06	1.09E-07	1.73E-05	9.32E-06
5773	489071.48, 3858772.72	0.1096476	4.15E-05	1.63E-05	5.99E-02	2.26E-05	8.89E-06	1.01E-02	3.82E-06	9.65E-08	1.20E-02	4.55E-06	1.15E-07	1.63E-05	8.91E-06
5774	489244.59, 3858920.19	0.1118876	4.23E-05	1.66E-05	6.23E-02	2.36E-05	9.26E-06	1.22E-02	4.62E-06	1.17E-07	1.36E-02	5.15E-06	1.30E-07	1.66E-05	9.27E-06
5775	489239.69, 3858952.23	0.1166354	4.41E-05	1.73E-05	6.60E-02	2.49E-05	9.80E-06	1.42E-02	5.38E-06	1.36E-07	1.60E-02	6.04E-06	1.53E-07	1.73E-05	9.81E-06
5776	489121.67, 3858854.49	0.1117623	4.23E-05	1.66E-05	6.23E-02	2.36E-05	9.26E-06	1.23E-02	4.65E-06	1.18E-07	1.47E-02	5.55E-06	1.41E-07	1.66E-05	9.28E-06
5777	489059.59, 3858797.27	0.1115004	4.22E-05	1.66E-05	6.15E-02	2.33E-05	9.14E-06	1.13E-02	4.26E-06	1.08E-07	1.37E-02	5.19E-06	1.31E-07	1.66E-05	9.16E-06
5778	488997.52, 3858740.04	0.1152143	4.36E-05	1.71E-05	6.28E-02	2.37E-05	9.32E-06	1.04E-02	3.92E-06	9.91E-08	1.29E-02	4.86E-06	1.23E-07	1.71E-05	9.35E-06
5779	488935.44, 3858682.82	0.1259879	4.76E-05	1.87E-05	6.75E-02	2.55E-05	1.00E-05	9.62E-03	3.64E-06	9.20E-08	1.22E-02	4.62E-06	1.17E-07	1.87E-05	1.01E-05
5780	488869.17, 3858848.43	0.1809713	6.84E-05	2.69E-05	1.05E-01	3.99E-05	1.57E-05	2.70E-02	1.02E-05	2.58E-07	5.50E-02	2.08E-05	5.26E-07	2.71E-05	1.59E-05
5781	488932.48, 3858892.69	0.1834201	6.93E-05	2.72E-05	1.08E-01	4.09E-05	1.61E-05	2.93E-02	1.11E-05	2.81E-07	5.48E-02	2.07E-05	5.24E-07	2.75E-05	1.63E-05
5782	489063.27, 3858977.17	0.178353	6.74E-05	2.65E-05	1.08E-01	4.09E-05	1.61E-05	3.32E-02	1.25E-05	3.17E-07	4.95E-02	1.87E-05	4.74E-07	2.66E-05	1.62E-05
5783	489248.2, 3859117.15	0.1884745	7.13E-05	2.80E-05	1.26E-01	4.76E-05	1.87E-05	5.27E-02	1.99E-05	5.04E-07	6.40E-02	2.42E-05	6.12E-07	2.81E-05	1.88E-05
5784	489296.25, 3859049.22	0.1330446	5.03E-05	1.98E-05	7.81E-02	2.95E-05	1.16E-05	2.07E-02	7.83E-06	1.98E-07	2.28E-02	8.63E-06	2.18E-07	1.98E-05	1.16E-05
5785	489353.38, 3858993.96	0.1229426	4.65E-05	1.83E-05	6.82E-02	2.58E-05	1.01E-05	1.30E-02	4.90E-06	1.24E-07	1.38E-02	5.22E-06	1.32E-07	1.83E-05	1.01E-05
5786	489537.24, 3859120.22	0.1383194	5.23E-05	2.05E-05	7.67E-02	2.90E-05	1.14E-05	1.45E-02	5.48E-06	1.39E-07	1.52E-02	5.74E-06	1.45E-07	2.06E-05	1.14E-05
5787	489726.98, 3859246.04	0.1389327	5.25E-05	2.06E-05	7.81E-02	2.95E-05	1.16E-05	1.62E-02	6.14E-06	1.55E-07	1.69E-02	6.41E-06	1.62E-07	2.06E-05	1.16E-05
5788	489911.46, 3859366.33	0.1383941	5.23E-05	2.06E-05	7.90E-02	2.99E-05	1.17E-05	1.80E-02	6.80E-06	1.72E-07	1.89E-02	7.15E-06	1.81E-07	2.06E-05	1.17E-05
5789	490035.3, 3859430.26	0.1427486	5.40E-05	2.12E-05	8.10E-02	3.06E-05	1.20E-05	1.79E-02	6.75E-06	1.71E-07	1.88E-02	7.09E-06	1.79E-07	2.12E-05	1.20E-05
5790	490101.11, 3859458.61	0.1379024	5.21E-05	2.05E-05	7.83E-02	2.96E-05	1.16E-05	1.73E-02	6.54E-06	1.65E-07	1.81E-02	6.85E-06	1.73E-07	2.05E-05	1.16E-05
5791	490312.68, 3859560.3	0.1298399	4.91E-05	1.93E-05	7.53E-02	2.85E-05	1.12E-05	1.87E-02	7.07E-06	1.79E-07	1.95E-02	7.39E-06	1.87E-07	1.93E-05	1.12E-05
5792	490401.63, 3859603.12	0.1343318	5.08E-05	2.00E-05	7.82E-02	2.96E-05	1.16E-05	1.99E-02	7.51E-06	1.90E-07	2.09E-02	7.90E-06	2.00E-07	2.00E-05	1.16E-05
5793	490490.57, 3859645.94	0.1345004	5.09E-05	2.00E-05	7.91E-02	2.99E-05	1.17E-05	2.11E-02	7.97E-06	2.02E-07	2.23E-02	8.44E-06	2.14E-07	2.00E-05	1.18E-05
5794	490579.51, 3859688.76	0.1335816	5.05E-05	1.98E-05	7.94E-02	3.00E-05	1.18E-05	2.22E-02	8.41E-06	2.13E-07	2.37E-02	8.97E-06	2.27E-07	1.99E-05	1.18E-05
5795	490668.45, 3859731.58	0.1316994	4.98E-05	1.96E-05	7.89E-02	2.98E-05	1.17E-05	2.29E-02	8.65E-06	2.19E-07	2.46E-02	9.30E-06	2.35E-07	1.96E-05	1.17E-05
5796	490757.4, 3859774.4	0.1317646	4.98E-05	1.96E-05	8.02E-02	3.03E-05	1.19E-05	2.48E-02	9.39E-06	2.38E-07	2.69E-02	1.02E-05	2.58E-07	1.96E-05	1.19E-05
5797	491003.53, 3859861.82	0.1251907	4.73E-05	1.86E-05	7.49E-02	2.83E-05	1.11E-05	2.16E-02	8.16E-06	2.06E-07	2.35E-02	8.89E-06	2.25E-07	1.86E-05	1.11E-05
5798	491081.41, 3859879.05	0.1227909	4.64E-05	1.82E-05	7.21E-02	2.73E-05	1.07E-05	1.91E-02	7.22E-06	1.83E-07	2.04E-02	7.71E-06	1.95E-07	1.83E-05	1.07E-05
5799	491229.76, 3859917.82	0.118629	4.49E-05	1.76E-05	6.77E-02	2.56E-05	1.01E-05	1.54E-02	5.84E-06	1.48E-07	1.60E-02	6.04E-06	1.53E-07	1.76E-05	1.01E-05
5800	491300.22, 3859939.35	0.1139191	4.31E-05	1.69E-05	6.45E-02	2.44E-05	9.58E-06	1.40E-02	5.31E-06	1.34E-07	1.45E-02	5.50E-06	1.39E-07	1.69E-05	9.59E-06
5801	491350.48, 3860012.03	0.1112334	4.21E-05	1.65E-05	6.50E-02	2.46E-05	9.65E-06	1.68E-02	6.34E-06	1.61E-07	1.72E-02	6.52E-06	1.65E-07	1.65E-05	9.66E-06
5802	491406.82, 3860092.56	0.1111091	4.20E-05	1.65E-05	6.67E-02	2.52E-05	9.91E-06	1.95E-02	7.38E-06	1.87E-07	2.02E-02	7.64E-06	1.93E-07	1.65E-05	9.91E-06
5803	491483.36, 3860121.96	0.1071294	4.05E-05	1.59E-05	6.29E-02	2.38E-05	9.34E-06	1.66E-02	6.28E-06	1.59E-07	1.74E-02	6.58E-06	1.66E-07	1.59E-05	9.34E-06
5804	491559.91, 3860151.35	0.1035125	3.91E-05	1.54E-05	5.97E-02	2.26E-05	8.87E-06	1.45E-02	5.47E-06	1.38E-07	1.53E-02	5.78E-06	1.46E-07	1.54E-05	8.88E-06
5805	491711.81, 3860237.76	0.096981	3.67E-05	1.44E-05	5.40E-02	2.04E-05	8.02E-06	1.05E-02	3.96E-06	1.00E-07	1.12E-02	4.24E-06	1.07E-07	1.44E-05	8.02E-06
5806	491755.2, 3860319.07	0.0883752	3.34E-05	1.31E-05	5.27E-02	1.99E-05	7.83E-06	1.50E-02	5.67E-06	1.44E-07	1.63E-02	6.15E-06	1.56E-07	1.31E-05	7.84E-06
5807	491704.71, 3860366.54	0.0926861	3.50E-05	1.38E-05	6.07E-02	2.29E-05	9.01E-06	2.41E-02	9.11E-06	2.31E-07	2.65E-02	1.00E-05	2.54E-07	1.38E-05	9.04E-06
5808	491623.42, 3860462.39	0.0612966	2.32E-05	9.10E-06	4.70E-02	1.78E-05	6.99E-06	2.67E-02	1.01E-05	2.55E-07	2.45E-02	9.25E-06	2.34E-07	9.08E-06	6.97E-06
5809	491534.02, 3860439.84	0.0430514	1.63E-05	6.39E-06	2.81E-02	1.06E-05	4.17E-06	1.10E-02	4.16E-06	1.05E-07	1.10E-02	4.15E-06	1.05E-07	6.39E-06	4.17E-06
5810	491313.95, 3860268.17	0.0556544	2.10E-05	8.27E-06	3.59E-02	1.36E-05	5.33E-06	1.36E-02	5.15E-06	1.30E-07	1.42E-02	5.35E-06	1.35E-07	8.27E-06	5.34E-06
5811	491187.12, 3860143.56	0.0724609	2.74E-05	1.08E-05	4.78E-02	1.81E-05	7.10E-06	1.94E-02	7.33E-06	1.85E-07	2.13E-02	8.05E-06	2.04E-07	1.08E-05	7.12E-06
5812	491070.43, 3860075.97	0.0685048	2.59E-05	1.02E-05	4.44E-02	1.68E-05	6.59E-06	1.71E-02	6.46E-06	1.63E-07	1.81E-02	6.84E-06	1.73E-07	1.02E-05	6.60E-06
5813	490995.09, 3860039.38	0.0671957	2.54E-05	9.98E-06	4.29E-02	1.62E-05	6.37E-06	1.58E-02	5.96E-06	1.51E-07	1.67E-02	6.32E-06	1.60E-07	9.99E-06	6.38E-06
5814	490919.75, 3860002.8	0.0679309	2.57E-05	1.01E-05	4.35E-02	1.64E-05	6.46E-06	1.61E-02	6.11E-06	1.54E-07	1.64E-02	6.20E-06	1.57E-07	1.01E-05	6.46E-06
5815	490756.81, 3859894.53	0.1003377	3.79E-05	1.49E-05	7.35E-02	2.78E-05	1.09E-05	3.82E-02	1.45E-05	3.66E-07	3.62E-02	1.37E-05	3.47E-07	1.49E-05	1.09E-05
5816	490668.07, 3859860.92	0.0970293	3.67E-05	1.44E-05	7.04E-02	2.66E-05	1.05E-05	3.58E-02	1.36E-05	3.43E-07	3.45E-02	1.31E-05	3.30E-07	1.44E-05	1.04E-05
5817	490579.34, 3859827.3	0.0966356	3.65E-05	1.44E-05	6.95E-02	2.63E-05	1.03E-05	3.48E-02	1.31E-05	3.33E-07	3.40E-02	1.29E-05	3.26E-07	1.43E-05	1.03E-05
5818	490490.6, 3859793.68	0.0946522	3.58E-05	1.41E-05	6.69E-02	2.53E-05	9.93E-06	3.22E-02	1.22E-05	3.08E-07	3.20E-02	1.21E-05	3.06E-07	1.41E-05	9.93E-06
5819	490401.86, 3859760.07	0.0938189	3.55E-05	1.39E-05	6.52E-02	2.47E-05	9.69E-06	3.03E-02	1.15E-05	2.90E-07	3.06E-02	1.16E-05	2.93E-07	1.39E-05	9.69E-06
5820	490313.12, 3859726.45	0.0943796	3.57E-05	1.40E-05	6.50E-02	2.46E-05	9.65E-06	2.95E-02	1.12E-05	2.82E-07	3.02E-02	1.14E-05	2.89E-07	1.40E-05	9.66E-06
5821	490224.39, 3859692.83	0.0951533	3.60E-05	1.41E-05	6.49E-02	2.46E-05	9.65E-06	2.89E-02	1.09E-05	2.76E-07	2.98E-02	1.13E-05	2.85E-07	1.41E-05	9.65E-06
5822	490135.65, 3859659.22	0.0956054	3.61E-05	1.42E-05	6.48E-02	2.45E-05	9.62E-06	2.83E-02	1.07E-05	2.70E-07	2.95E-02	1.12E-05	2.82E-07	1.42E-05	9.63E-06
5823	489918.18, 3859559.23	0.1039434	3.93E-05	1.54E-05	6.98E-02	2.64E-05	1.04E-05	2.98E-02	1.13E-05	2.85E-07	2.99E-02	1.13E-05	2.86E-07	1.54E-05	1.04E-05
5824	489743.61, 3859486	0.0955677	3.61E-05	1.42E-05	5.92E-02	2.24E-05	8.80E-06	1.97E-02	7.45E-06	1.88E-07	1.97E-02	7.46E-06	1.89E-07	1.42E-05	8.80E-06

5825	489660.32, 3859440.27	0.0981366	3.71E-05	1.46E-05	6.05E-02	2.29E-05	8.98E-06	1.97E-02	7.44E-06	1.88E-07	1.96E-02	7.40E-06	1.87E-07	1.46E-05	8.98E-06
5826	489577.04, 3859394.53	0.1003109	3.79E-05	1.49E-05	6.15E-02	2.33E-05	9.14E-06	1.97E-02	7.44E-06	1.88E-07	1.95E-02	7.36E-06	1.86E-07	1.49E-05	9.14E-06
5827	489493.75, 3859348.8	0.1021719	3.86E-05	1.52E-05	6.24E-02	2.36E-05	9.26E-06	1.96E-02	7.40E-06	1.87E-07	1.92E-02	7.25E-06	1.83E-07	1.52E-05	9.26E-06
5828	489321.28, 3859240.02	0.1170211	4.42E-05	1.74E-05	7.29E-02	2.76E-05	1.08E-05	2.47E-02	9.35E-06	2.37E-07	2.20E-02	8.33E-06	2.11E-07	1.74E-05	1.08E-05
5829	489235.41, 3859193.96	0.1224513	4.63E-05	1.82E-05	7.54E-02	2.85E-05	1.12E-05	2.45E-02	9.25E-06	2.34E-07	2.07E-02	7.83E-06	1.98E-07	1.82E-05	1.12E-05
5830	489149.54, 3859147.89	0.1233983	4.67E-05	1.83E-05	7.51E-02	2.84E-05	1.12E-05	2.33E-02	8.79E-06	2.23E-07	1.87E-02	7.06E-06	1.79E-07	1.83E-05	1.11E-05
5831	489063.68, 3859101.82	0.1302737	4.93E-05	1.93E-05	7.83E-02	2.96E-05	1.16E-05	2.31E-02	8.75E-06	2.21E-07	1.65E-02	6.23E-06	1.58E-07	1.93E-05	1.16E-05
5832	488977.81, 3859055.75	0.1415979	5.35E-05	2.10E-05	8.37E-02	3.17E-05	1.24E-05	2.30E-02	8.68E-06	2.20E-07	1.41E-02	5.33E-06	1.35E-07	2.09E-05	1.24E-05
5833	488891.94, 3859009.69	0.158769	6.00E-05	2.36E-05	9.16E-02	3.46E-05	1.36E-05	2.22E-02	8.38E-06	2.12E-07	1.20E-02	4.55E-06	1.15E-07	2.35E-05	1.35E-05
5834	488808, 3859060.73	0.1570005	5.94E-05	2.33E-05	8.14E-02	3.08E-05	1.21E-05	7.73E-03	2.92E-06	7.39E-08	5.75E-03	2.17E-06	5.50E-08	2.33E-05	1.21E-05
5835	488809.93, 3859157.85	0.1490065	5.63E-05	2.21E-05	7.55E-02	2.86E-05	1.12E-05	4.65E-03	1.76E-06	4.45E-08	3.97E-03	1.50E-06	3.79E-08	2.21E-05	1.12E-05
5836	488811.85, 3859254.96	0.1445467	5.47E-05	2.15E-05	7.25E-02	2.74E-05	1.08E-05	3.36E-03	1.27E-06	3.21E-08	3.04E-03	1.15E-06	2.91E-08	2.15E-05	1.08E-05
5837	488813.78, 3859352.07	0.1415579	5.35E-05	2.10E-05	7.06E-02	2.67E-05	1.05E-05	2.65E-03	1.00E-06	2.54E-08	2.48E-03	9.36E-07	2.37E-08	2.10E-05	1.05E-05
5838	488815.71, 3859449.19	0.1407798	5.32E-05	2.09E-05	7.00E-02	2.64E-05	1.04E-05	2.21E-03	8.35E-07	2.11E-08	2.10E-03	7.94E-07	2.01E-08	2.09E-05	1.04E-05
5839	488910.04, 3859547.1	0.13385	5.06E-05	1.99E-05	6.65E-02	2.51E-05	9.87E-06	2.04E-03	7.72E-07	1.95E-08	1.98E-03	7.48E-07	1.89E-08	1.99E-05	9.87E-06
5840	489002.45, 3859547.91	0.1249636	4.72E-05	1.86E-05	6.23E-02	2.35E-05	9.25E-06	2.22E-03	8.38E-07	2.12E-08	2.16E-03	8.18E-07	2.07E-08	1.86E-05	9.25E-06
5841	489094.85, 3859548.71	0.1174499	4.44E-05	1.74E-05	5.87E-02	2.22E-05	8.72E-06	2.43E-03	9.19E-07	2.33E-08	2.39E-03	9.03E-07	2.29E-08	1.74E-05	8.72E-06
5842	489230.05, 3859601.87	0.1139303	4.31E-05	1.69E-05	5.71E-02	2.16E-05	8.48E-06	2.53E-03	9.56E-07	2.42E-08	2.51E-03	9.49E-07	2.40E-08	1.69E-05	8.48E-06
5843	489227.52, 3859680.89	0.110672	4.18E-05	1.64E-05	5.53E-02	2.09E-05	8.21E-06	2.17E-03	8.22E-07	2.08E-08	2.17E-03	8.19E-07	2.07E-08	1.64E-05	8.21E-06
5844	489133.47, 3859760.29	0.0827061	3.13E-05	1.23E-05	4.14E-02	1.57E-05	6.15E-06	1.79E-03	6.76E-07	1.71E-08	1.78E-03	6.72E-07	1.70E-08	1.23E-05	6.15E-06
5845	489041.96, 3859760.67	0.0861721	3.26E-05	1.28E-05	4.30E-02	1.63E-05	6.39E-06	1.68E-03	6.35E-07	1.61E-08	1.66E-03	6.27E-07	1.59E-08	1.28E-05	6.39E-06
5846	488950.45, 3859761.05	0.0881052	3.33E-05	1.31E-05	4.39E-02	1.66E-05	6.52E-06	1.58E-03	5.98E-07	1.51E-08	1.55E-03	5.88E-07	1.49E-08	1.31E-05	6.52E-06
5847	488858.94, 3859761.43	0.0896503	3.39E-05	1.33E-05	4.46E-02	1.69E-05	6.63E-06	1.50E-03	5.67E-07	1.43E-08	1.46E-03	5.54E-07	1.40E-08	1.33E-05	6.62E-06
5848	488767.43, 3859761.82	0.0914406	3.46E-05	1.36E-05	4.54E-02	1.72E-05	6.75E-06	1.42E-03	5.37E-07	1.36E-08	1.38E-03	5.22E-07	1.32E-08	1.36E-05	6.75E-06
5849	488675.92, 3859762.2	0.0942751	3.56E-05	1.40E-05	4.68E-02	1.77E-05	6.95E-06	1.35E-03	5.12E-07	1.29E-08	1.31E-03	4.96E-07	1.25E-08	1.40E-05	6.95E-06
5850	488584.41, 3859762.58	0.0992626	3.75E-05	1.47E-05	4.91E-02	1.86E-05	7.30E-06	1.29E-03	4.88E-07	1.23E-08	1.25E-03	4.71E-07	1.19E-08	1.47E-05	7.30E-06
5851	488492.9, 3859762.96	0.1099558	4.16E-05	1.63E-05	5.43E-02	2.05E-05	8.07E-06	1.24E-03	4.67E-07	1.18E-08	1.19E-03	4.50E-07	1.14E-08	1.63E-05	8.07E-06
5852	488402.76, 3859830.95	0.1300635	4.92E-05	1.93E-05	6.40E-02	2.42E-05	9.51E-06	1.13E-03	4.28E-07	1.08E-08	1.09E-03	4.13E-07	1.05E-08	1.93E-05	9.51E-06
5853	488404.14, 3859898.55	0.1320352	4.99E-05	1.96E-05	6.50E-02	2.46E-05	9.65E-06	1.08E-03	4.10E-07	1.04E-08	1.05E-03	3.97E-07	1.01E-08	1.96E-05	9.65E-06
5854	488505.18, 3859964.96	0.1324775	5.01E-05	1.97E-05	6.52E-02	2.46E-05	9.68E-06	1.08E-03	4.09E-07	1.03E-08	1.06E-03	3.99E-07	1.01E-08	1.97E-05	9.68E-06
5855	488604.84, 3859963.76	0.1265062	4.78E-05	1.88E-05	6.23E-02	2.36E-05	9.25E-06	1.12E-03	4.23E-07	1.07E-08	1.10E-03	4.15E-07	1.05E-08	1.88E-05	9.25E-06
5856	488704.51, 3859962.56	0.1233847	4.66E-05	1.83E-05	6.08E-02	2.30E-05	9.03E-06	1.17E-03	4.41E-07	1.11E-08	1.14E-03	4.33E-07	1.09E-08	1.83E-05	9.03E-06
5857	488804.18, 3859961.37	0.121123	4.58E-05	1.80E-05	5.97E-02	2.26E-05	8.87E-06	1.22E-03	4.60E-07	1.16E-08	1.20E-03	4.53E-07	1.15E-08	1.80E-05	8.87E-06
5858	488903.85, 3859960.17	0.1189633	4.50E-05	1.77E-05	5.87E-02	2.22E-05	8.72E-06	1.28E-03	4.82E-07	1.22E-08	1.26E-03	4.76E-07	1.20E-08	1.77E-05	8.72E-06
5859	489003.52, 3859958.97	0.1160529	4.39E-05	1.72E-05	5.74E-02	2.17E-05	8.52E-06	1.34E-03	5.05E-07	1.28E-08	1.32E-03	5.00E-07	1.27E-08	1.72E-05	8.52E-06
5860	489103.18, 3859957.77	0.1099054	4.16E-05	1.63E-05	5.44E-02	2.06E-05	8.08E-06	1.41E-03	5.31E-07	1.34E-08	1.40E-03	5.29E-07	1.34E-08	1.63E-05	8.08E-06
5861	489201.48, 3860046.59	0.1216422	4.60E-05	1.81E-05	6.01E-02	2.27E-05	8.92E-06	1.36E-03	5.13E-07	1.30E-08	1.36E-03	5.14E-07	1.30E-08	1.81E-05	8.92E-06
5862	489200.11, 3860136.61	0.1246087	4.71E-05	1.85E-05	6.15E-02	2.32E-05	9.13E-06	1.26E-03	4.76E-07	1.20E-08	1.26E-03	4.76E-07	1.21E-08	1.85E-05	9.13E-06
5863	489198.74, 3860226.63	0.1244796	4.71E-05	1.85E-05	6.14E-02	2.32E-05	9.11E-06	1.18E-03	4.45E-07	1.13E-08	1.18E-03	4.47E-07	1.13E-08	1.85E-05	9.11E-06
5864	489197.38, 3860316.66	0.121955	4.61E-05	1.81E-05	6.01E-02	2.27E-05	8.92E-06	1.11E-03	4.19E-07	1.06E-08	1.11E-03	4.22E-07	1.07E-08	1.81E-05	8.92E-06
5865	489196.01, 3860406.68	0.1177216	4.45E-05	1.75E-05	5.80E-02	2.19E-05	8.61E-06	1.04E-03	3.95E-07	9.99E-09	1.05E-03	3.98E-07	1.01E-08	1.75E-05	8.61E-06
5866	489194.64, 3860496.7	0.1105816	4.18E-05	1.64E-05	5.45E-02	2.06E-05	8.09E-06	9.79E-04	3.70E-07	9.37E-09	9.88E-04	3.73E-07	9.45E-09	1.64E-05	8.09E-06
5867	489193.27, 3860586.72	0.096568	3.65E-05	1.43E-05	4.76E-02	1.80E-05	7.07E-06	9.18E-04	3.47E-07	8.78E-09	9.29E-04	3.51E-07	8.88E-09	1.43E-05	7.07E-06
5868	489092.02, 3860678.13	0.0535896	2.03E-05	7.96E-06	2.66E-02	1.01E-05	3.95E-06	8.40E-04	3.17E-07	8.03E-09	8.47E-04	3.20E-07	8.10E-09	7.96E-06	3.95E-06
5869	488992.13, 3860679.53	0.0552302	2.09E-05	8.20E-06	2.74E-02	1.04E-05	4.07E-06	8.16E-04	3.09E-07	7.81E-09	8.23E-04	3.11E-07	7.87E-09	8.20E-06	4.07E-06
5870	488892.24, 3860680.92	0.0557904	2.11E-05	8.29E-06	2.77E-02	1.05E-05	4.11E-06	7.97E-04	3.01E-07	7.63E-09	8.00E-04	3.02E-07	7.65E-09	8.29E-06	4.11E-06
5871	488792.36, 3860682.31	0.0562197	2.13E-05	8.35E-06	2.79E-02	1.05E-05	4.14E-06	7.79E-04	2.94E-07	7.45E-09	7.77E-04	2.94E-07	7.43E-09	8.35E-06	4.14E-06
5872	488692.48, 3860683.7	0.056912	2.15E-05	8.45E-06	2.82E-02	1.07E-05	4.19E-06	7.61E-04	2.88E-07	7.28E-09	7.57E-04	2.86E-07	7.24E-09	8.45E-06	4.19E-06
5873	488592.59, 3860685.09	0.0586672	2.22E-05	8.71E-06	2.90E-02	1.10E-05	4.31E-06	7.44E-04	2.81E-07	7.12E-09	7.38E-04	2.79E-07	7.06E-09	8.71E-06	4.31E-06
5874	488492.71, 3860686.49	0.0643843	2.43E-05	9.56E-06	3.18E-02	1.20E-05	4.72E-06	7.30E-04	2.76E-07	6.98E-09	7.21E-04	2.73E-07	6.90E-09	9.56E-06	4.72E-06
5875	488299.07, 3860762.18	0.0395222	1.49E-05	5.87E-06	1.97E-02	7.44E-06	2.92E-06	6.86E-04	2.59E-07	6.56E-09	6.74E-04	2.55E-07	6.45E-09	5.87E-06	2.92E-06
5876	488205.32, 3860764.09	0.038021	1.44E-05	5.65E-06	1.89E-02	7.16E-06	2.81E-06	6.74E-04	2.55E-07	6.44E-09	6.61E-04	2.50E-07	6.32E-09	5.65E-06	2.81E-06
5877	488111.56, 3860766	0.0345587	1.31E-05	5.13E-06	1.72E-02	6.52E-06	2.56E-06	6.60E-04	2.49E-07	6.31E-09	6.46E-04	2.44E-07	6.18E-09	5.13E-06	2.56E-06
5878	488017.81, 3860767.91	0.029254	1.11E-05	4.35E-06	1.47E-02	5.54E-06	2.18E-06	6.47E-04	2.45E-07	6.19E-09	6.32E-04	2.39E-07	6.04E-09	4.35E-06	2.18E-06
5879	487924.06, 3860769.81	0.0227969	8.62E-06	3.39E-06	1.15E-02	4.35E-06	1.71E-06	6.33E-04	2.39E-07	6.05E-09	6.17E-04	2.33E-07	5.90E-09	3.39E-06	1.71E-06
5880	487830.31, 3860771.72	0.0191164	7.23E-06	2.84E-06	9.71E-03	3.67E-06	1.44E-06	6.22E-04	2.35E-07	5.95E-09	6.06E-04	2.29E-07	5.79E-09	2.84E-06	1.44E-06
5881	487736.55, 3860773.63	0.016556	6.26E-06	2.46E-06	8.45E-03	3.20E-06	1.26E-06	6.09E-04	2.30E-07	5.83E-09	5.94E-04	2.25E-07	5.68E-09	2.46E-06	1.26E-06
5882	487642.8, 3860775.54	0.0149534	5.65E-06	2.22E-06	7.67E-03	2.90E-06	1.14E-06	6.00E-04	2.27E-07	5.74E-09	5.84E-04	2.21E-07	5.59E-09	2.22E-06	1.14E-06
5883	487549.48, 3860684.71	0.0167501	6.33E-06	2.49E-06	8.55E-03	3.23E-06	1.27E-06	6.09E-04	2.30E-07	5.83E-09	5.93E-04	2.24E-07	5.67E-09	2.49E-06	1.27E-06
5884	487549.91, 3860591.97	0.0208887	7.90E-06	3.10E-06	1.06E-02	4.00E-06	1.57E-06	6.30E-04	2.38E-07	6.02E-09	6.09E-04	2.30E-07	5.82E-09	3.10E-06	1.57E-06
5885	487550.34, 3860499.23	0.0266121	1.01E-05	3.95E-06	1.34E-02	5.06E-06	1.99E-06	6.52E-04	2.46E-07	6.23E-09	6.28E-04	2.38E-07	6.01E-09	3.95E-06	1.99E-06
5886	487550.76, 3860406.49	0.0352442	1.33E-05	5.23E-06	1.76E-02	6.65E-06	2.61E-06	6.78E-04	2.56E-07	6.49E-09	6.53E-04	2.47E-07	6.25E-09	5.23E-06	2.61E-06
5887	487551.19, 3860313.75	0.0497538	1.88E-05	7.39E-06	2.47E-02	9.33E-06	3.66E-06	7.08E-04	2.68E-07	6.77E-09	6.79E-04	2.57E-07	6.50E-09	7.39E-06	3.66E-06
5888	487551.62, 3860221.01	0.0557613	2.11E-05	8.28E-06	2.76E-02	1.04E-05	4.10E-06	7.41E-04	2.80E-07	7.09E-09	7.08E-04	2.68E-07	6.78E-09	8.28E-06	4.10E-06
5889	487552.05, 3860128.27	0.0581465	2.20E-05	8.64E-06	2.88E-02	1.09E-05	4.28E-06	7.79E-04	2.94E-07	7.45E-09	7.41E-04	2.80E-07	7.09E-09	8.64E-06	4.28E-06
5890	487552.48, 3860035.53	0.0599601	2.27E-05	8.91E-06	2.97E-02	1.12E-05	4.41E-06	8.15E-04	3.08E-07	7.79E-09	7.72E-04	2.92E-07	7.39E-09	8.91E-06	4.41E-06
5891	487552.91, 3859942.79	0.0615938	2.33E-05	9.15E-06	3.05E-02	1.15E-05	4.53E-06	8.46E-04	3.20E-07	8.09E-09	7.97E-04	3.01E-07	7.62E-09	9.15E-06	4.53E-06
5892	487553.33, 3859850.05	0.0633607	2.40E-05	9.41E-06	3.14E-02	1.19E-05	4.67E-06	8.80E-04	3.33E-07	8.42E-09	8.23E-04	3.11E-07	7.87E-09	9.41E-06	4.66E-06
5893	487553.76, 3859757.31	0.065551	2.48E-05	9.74E-06	3.25E-02	1.23E-05	4.83E-06	9.13E-04	3.45E-07	8.74E-09	8.47E-04	3.20E-07	8.10E-09	9.74E-06	4.83E-06
5894	487554.19, 3859664.57	0.0698498	2.64E-05	1.04E-05	3.46E-02	1.31E-05	5.14E-06	9.49E-04	3.59E-07	9.08E-09	8.72E-04	3.30E-07	8.34E-09	1.04E-05	5.14E-06
5895	487460.2, 3859571.05	0.0700451	2.65E-05	1.04E-05	3.47E-02	1.31E-05	5.16E-06	9.68E-04	3.66E-07	9.26E-09	8.75E-04	3.31E-07	8.37E-09	1.04E-05	5.16E-06
5896	487365.78, 3859570.27	0.0592448	2.24E-05	8.80E-06	2.94E-02	1.11E-05	4.37E-06	9.43E-04	3.57E-07	9.02E-09	8.52E-04	3.22E-07	8.15E-09	8.80E-06	4.37E-06
5897	487271.36, 3859569.48	0.04766	1.80E-05	7.08E-06	2.38E-02	9.00E-06	3.53E-06	9.21E-04	3.48E-07	8.81E-09	8.29E-04	3.14E-07	7.93E-09	7.08E-06	3.53E-06
5898	487176.94, 3859568.7	0.0389208	1.47E-05	5.78E-06	1.95E-02	7.38E-06	2.90E-06	8.99E-04	3.40E-07	8.60E-09	8.06E-04	3.05E-07	7.71E-09	5.78E-06	2.90E-06
5899	487082.51, 3859567.92	0.0332358	1.26E-05	4.94E-06	1.67E-02	6.33E-06	2.49E-06	8.79E-04	3.32E-07	8.41E-09	7.88E-04	2.98E-07	7.54E-09	4.94E-06	2.49E-06
5900	486988.09, 3859567.14	0.0292837	1.11E-05	4.35E-06	1.48E-02	5.60E-06	2.20E-06	8.58E-04	3.25E-07	8.21E-09	7.69E-04	2.91E-07	7.35E-09	4.35E-06	2.20E-06
5901	486893.67, 3859566.36	0.0262509	9.93E-06	3.90E-06	1.33E-02	5.04E-06	1.98E-06	8.40E-04	3.17E-07	8.03E-09	7.52E-04	2.85E-07	7.20E-09	3.90E-06	1.98E-06
5902	486799.25, 3859565.58	0.0238993	9.04E-06	3.55E-06	1.22E-02	4.60E-06	1.81E-06	8.22E-04	3.11E-07	7.87E-09	7.36E-04	2.78E-07	7.04E-09	3.55E-06	1.81E-06
5903	486704.83, 3859564.79	0.0221021	8.36E-06	3.28E-06	1.13E-02	4.26E-06	1.68E-06	8.05E-04	3.04E-07	7.70E-09	7.21E-04	2.73E-07	6.90E-09	3.28E-06	1.67E-06
5904	486610.41, 3859564.01	0.0206796	7.82E-06	3.07E-06	1.06E-02	4.00E-06	1.57E-06	7.90E-04	2.99E-07	7.55E-09	7.08E-04	2.68E-07	6.78E-09	3.07E-06	1.57E-06
5905	486515.99, 3859563.23	0.0194613	7.36E-06	2.89E-06	9.97E-03	3.77E-06	1.48E-06	7.72E-04	2.92E-07	7.39E-09	6.94E-04	2.62E-07	6.64E-09	2.89E-06	1.48E-06
5906	486421.57, 3859562.45	0.0183833	6.95E-06	2.73E-06	9.44E-03	3.57E-06	1.40E-06	7.57E-04	2.86E-07	7.24E-09	6.81E-04	2.57E-07	6.51E-09	2.73E-06	1.40E-06
5907	486327.14, 3859561.67	0.017406	6.58E-06	2.59E-06	8.95E-03	3.38E-06	1.33E-06	7.44E-04	2.81E-07	7.12E-09	6.69E-04	2.53E-07	6.40E-09	2.58E-06	1.33E-06
5908	486232.72, 3859560.89	0.016493	6.24E-06	2.45E-06	8.50E-03	3.21E-06	1.26E-06	7.28E-04	2.75E-07	6.97E-09	6.56E-04	2.48E-07	6.28E-09	2.45E-06	1.26E-06
5909	486138.3, 3859560.1	0.0156783	5.93E-06	2.33E-06	8.09E-03	3.06E-06	1.20E-06	7.14E-04	2.70E-07	6.83E-09	6.45E-04	2.44E-07	6.17E-09	2.33E-06	1.20E-06
5910	486043.88, 3859559.32	0.0149187	5.64E-06	2.22E-06	7.71E-03	2.92E-06	1.15E-06	7.00E-04	2.65E-07	6.70E-09	6.32E-04	2.39E-07	6.04E-09	2.22E-06	1.15E-06
5911	485949.35, 3859463.54	0.0151146	5.71E-06	2.25E-06	7.81E-03	2.95E-06	1.16E-06	7.08E-04	2.68E-07	6.77E-09	6.33E-04	2.39E-07	6.06E-09	2.24E-06	1.16E-06
5912	485949.24, 3859368.55	0.0160716	6.08E-06	2.39E-06	8.29E-03	3.14E-06	1.23E-06	7.30E-04	2.76E-07	6.98E-09	6.45E-04	2.44E-07	6.17E-09	2.39E-06	1.23E-06
5913	485949.12, 3859273.55	0.017087	6.46E-06	2.54E-06	8.80E-03	3.33E-06	1.31E-06	7.53E-04	2.85E-07	7.21E-09	6.55E-04	2.47E-07	6.26E-09	2.54E-06	1.31E-06
5914	485949.01, 3859178.56	0.018172	6.87E-06	2.70E-06	9.35E-03	3.53E-06	1.39E-06	7.77E-04	2.94E-07	7.43E-09	6.66E-04	2.52E-07	6.37E-09	2.70E-06	1.39E-06
5915	485948.9, 3859083.56	0.0193347	7.31E-06	2.87E-06	9.93E-03	3.76E-06	1.48E-06	8.07E-04	3.05E-07	7.72E-09	6.79E-04	2.57E-07	6.50E-09	2.87E-06	1.47E-06
5916	485948.79, 3858988.56	0.0204905	7.75E-06	3.04E-06	1.05E-02	3.98E-06	1.56E-06	8.41E-04	3.18E-07	8.05E-09	6.95E-04	2.63E-07	6.65E-09	3.04E-06	1.56E-06
5917	485948.67, 3858893.57	0.0216399	8.18E-06	3.21E-06	1.11E-02	4.20E-06	1.65E-06	8.80E-04	3.33E-07	8.42E-09	7.13E-04	2.70E-07	6.82E-09	3.21E-06	1.65E-06
5918	485948.56, 3858798.57	0.0227865	8.62E-06	3.38E-06	1.17E-02	4.42E-06	1.74E-06	9.26E-04	3.50E-07	8.86E-09	7.36E-04	2.78E-07	7.04E-09	3.38E-06	1.73E-06

5919	485948.45, 3858703.58	0.0238832	9.03E-06	3.55E-06	1.23E-02	4.63E-06	1.82E-06	9.74E-04	3.68E-07	9.32E-09	7.56E-04	2.86E-07	7.23E-09	3.55E-06	1.82E-06
5920	485948.34, 3858608.58	0.0250627	9.48E-06	3.72E-06	1.29E-02	4.86E-06	1.91E-06	1.03E-03	3.90E-07	9.86E-09	7.80E-04	2.95E-07	7.46E-09	3.72E-06	1.91E-06
5921	485948.22, 3858513.59	0.0263361	9.96E-06	3.91E-06	1.35E-02	5.11E-06	2.01E-06	1.09E-03	4.13E-07	1.05E-08	8.03E-04	3.04E-07	7.68E-09	3.91E-06	2.01E-06
5922	485948.11, 3858418.59	0.0277881	1.05E-05	4.13E-06	1.43E-02	5.40E-06	2.12E-06	1.16E-03	4.40E-07	1.11E-08	8.24E-04	3.12E-07	7.88E-09	4.12E-06	2.12E-06
5923	485948, 3858323.59	0.0295935	1.12E-05	4.40E-06	1.52E-02	5.75E-06	2.26E-06	1.25E-03	4.72E-07	1.19E-08	8.50E-04	3.22E-07	8.13E-09	4.39E-06	2.26E-06
5924	485947.89, 3858228.6	0.0319219	1.21E-05	4.74E-06	1.64E-02	6.20E-06	2.44E-06	1.34E-03	5.08E-07	1.28E-08	8.75E-04	3.31E-07	8.37E-09	4.74E-06	2.43E-06
5925	485947.77, 3858133.6	0.0351945	1.33E-05	5.23E-06	1.81E-02	6.83E-06	2.68E-06	1.46E-03	5.50E-07	1.39E-08	9.01E-04	3.41E-07	8.62E-09	5.22E-06	2.68E-06
5926	485947.66, 3858038.61	0.0395911	1.50E-05	5.88E-06	2.03E-02	7.68E-06	3.02E-06	1.61E-03	6.08E-07	1.54E-08	9.34E-04	3.53E-07	8.93E-09	5.87E-06	3.01E-06
5927	485854.54, 3857943.35	0.0414373	1.57E-05	6.15E-06	2.12E-02	8.03E-06	3.15E-06	1.65E-03	6.24E-07	1.58E-08	9.32E-04	3.52E-07	8.92E-09	6.15E-06	3.15E-06
5928	485761.52, 3857943.09	0.035707	1.35E-05	5.30E-06	1.84E-02	6.95E-06	2.73E-06	1.54E-03	5.83E-07	1.48E-08	9.03E-04	3.41E-07	8.63E-09	5.30E-06	2.72E-06
5929	485668.51, 3857942.83	0.0317951	1.20E-05	4.72E-06	1.64E-02	6.21E-06	2.44E-06	1.46E-03	5.50E-07	1.39E-08	8.77E-04	3.31E-07	8.38E-09	4.72E-06	2.43E-06
5930	485575.5, 3857942.56	0.0288663	1.09E-05	4.29E-06	1.49E-02	5.65E-06	2.22E-06	1.37E-03	5.19E-07	1.31E-08	8.50E-04	3.22E-07	8.13E-09	4.28E-06	2.21E-06
5931	485482.48, 3857942.3	0.0266047	1.01E-05	3.95E-06	1.38E-02	5.21E-06	2.05E-06	1.30E-03	4.93E-07	1.25E-08	8.28E-04	3.13E-07	7.92E-09	3.95E-06	2.04E-06
5932	485389.47, 3857942.04	0.0247513	9.36E-06	3.68E-06	1.28E-02	4.86E-06	1.91E-06	1.24E-03	4.69E-07	1.19E-08	8.06E-04	3.05E-07	7.71E-09	3.67E-06	1.90E-06
5933	485296.46, 3857941.78	0.0231938	8.77E-06	3.45E-06	1.21E-02	4.56E-06	1.79E-06	1.18E-03	4.47E-07	1.13E-08	7.87E-04	2.97E-07	7.53E-09	3.44E-06	1.79E-06
5934	485203.45, 3857941.52	0.0218837	8.27E-06	3.25E-06	1.14E-02	4.30E-06	1.69E-06	1.13E-03	4.29E-07	1.08E-08	7.69E-04	2.91E-07	7.35E-09	3.25E-06	1.69E-06
5935	485110.43, 3857941.26	0.0207383	7.84E-06	3.08E-06	1.08E-02	4.08E-06	1.60E-06	1.09E-03	4.10E-07	1.04E-08	7.49E-04	2.83E-07	7.17E-09	3.08E-06	1.60E-06
5936	485017.42, 3857940.99	0.0197347	7.46E-06	2.93E-06	1.03E-02	3.89E-06	1.53E-06	1.04E-03	3.93E-07	9.95E-09	7.30E-04	2.76E-07	6.98E-09	2.93E-06	1.52E-06
5937	484924.41, 3857940.73	0.0188321	7.12E-06	2.80E-06	9.81E-03	3.71E-06	1.46E-06	9.98E-04	3.77E-07	9.55E-09	7.12E-04	2.69E-07	6.81E-09	2.79E-06	1.45E-06
5938	484831.39, 3857940.47	0.0180173	6.81E-06	2.68E-06	9.39E-03	3.55E-06	1.39E-06	9.59E-04	3.62E-07	9.17E-09	6.95E-04	2.63E-07	6.65E-09	2.67E-06	1.39E-06
5939	484738.12, 3857859.3	0.0181348	6.86E-06	2.69E-06	9.45E-03	3.57E-06	1.40E-06	9.60E-04	3.63E-07	9.19E-09	6.92E-04	2.62E-07	6.62E-09	2.69E-06	1.40E-06
5940	484737.85, 3857778.4	0.019178	7.25E-06	2.85E-06	9.98E-03	3.77E-06	1.48E-06	1.00E-03	3.80E-07	9.61E-09	7.07E-04	2.67E-07	6.76E-09	2.85E-06	1.48E-06
5941	484737.59, 3857697.49	0.020441	7.73E-06	3.04E-06	1.06E-02	4.02E-06	1.58E-06	1.05E-03	3.97E-07	1.01E-08	7.23E-04	2.73E-07	6.92E-09	3.03E-06	1.58E-06
5942	484737.32, 3857616.59	0.0220051	8.32E-06	3.27E-06	1.14E-02	4.32E-06	1.70E-06	1.10E-03	4.16E-07	1.05E-08	7.38E-04	2.79E-07	7.06E-09	3.26E-06	1.69E-06
5943	484645.53, 3857535.18	0.0229457	8.68E-06	3.41E-06	1.19E-02	4.49E-06	1.76E-06	1.11E-03	4.18E-07	1.06E-08	7.36E-04	2.78E-07	7.04E-09	3.40E-06	1.76E-06
5944	484553.99, 3857534.67	0.0218993	8.28E-06	3.25E-06	1.13E-02	4.29E-06	1.68E-06	1.06E-03	4.00E-07	1.01E-08	7.18E-04	2.72E-07	6.87E-09	3.25E-06	1.68E-06
5945	484462.46, 3857534.17	0.0209563	7.92E-06	3.11E-06	1.09E-02	4.10E-06	1.61E-06	1.01E-03	3.83E-07	9.69E-09	7.02E-04	2.65E-07	6.71E-09	3.11E-06	1.61E-06
5946	484370.93, 3857533.66	0.0200745	7.59E-06	2.98E-06	1.04E-02	3.93E-06	1.54E-06	9.74E-04	3.68E-07	9.32E-09	6.87E-04	2.60E-07	6.57E-09	2.98E-06	1.54E-06
5947	484279.4, 3857533.16	0.0192662	7.28E-06	2.86E-06	9.98E-03	3.77E-06	1.48E-06	9.38E-04	3.55E-07	8.98E-09	6.74E-04	2.55E-07	6.45E-09	2.86E-06	1.48E-06
5948	484187.86, 3857532.65	0.0184917	6.99E-06	2.75E-06	9.59E-03	3.62E-06	1.42E-06	9.07E-04	3.43E-07	8.68E-09	6.61E-04	2.50E-07	6.32E-09	2.74E-06	1.42E-06
5949	484096.33, 3857532.15	0.0177362	6.71E-06	2.63E-06	9.20E-03	3.48E-06	1.37E-06	8.79E-04	3.32E-07	8.41E-09	6.50E-04	2.46E-07	6.21E-09	2.63E-06	1.36E-06
5950	484004.8, 3857531.64	0.0170667	6.45E-06	2.53E-06	8.86E-03	3.35E-06	1.32E-06	8.54E-04	3.23E-07	8.17E-09	6.38E-04	2.41E-07	6.10E-09	2.53E-06	1.31E-06
5951	483913.27, 3857531.14	0.0164949	6.24E-06	2.45E-06	8.56E-03	3.24E-06	1.27E-06	8.30E-04	3.14E-07	7.94E-09	6.27E-04	2.37E-07	6.00E-09	2.45E-06	1.27E-06
5952	483821.73, 3857530.63	0.0160488	6.07E-06	2.38E-06	8.33E-03	3.15E-06	1.24E-06	8.08E-04	3.06E-07	7.73E-09	6.17E-04	2.33E-07	5.90E-09	2.38E-06	1.24E-06
5953	483729.61, 3857450.11	0.0168562	6.37E-06	2.50E-06	8.73E-03	3.30E-06	1.30E-06	8.11E-04	3.07E-07	7.76E-09	6.17E-04	2.33E-07	5.90E-09	2.50E-06	1.29E-06
5954	483729.03, 3857370.08	0.0184531	6.98E-06	2.74E-06	9.52E-03	3.60E-06	1.41E-06	8.38E-04	3.17E-07	8.02E-09	6.28E-04	2.38E-07	6.01E-09	2.74E-06	1.41E-06
5955	483728.44, 3857290.06	0.0207747	7.85E-06	3.09E-06	1.07E-02	4.03E-06	1.59E-06	8.66E-04	3.28E-07	8.29E-09	6.38E-04	2.41E-07	6.10E-09	3.08E-06	1.58E-06
5956	483727.86, 3857210.03	0.0243367	9.20E-06	3.61E-06	1.24E-02	4.70E-06	1.85E-06	8.94E-04	3.38E-07	8.56E-09	6.50E-04	2.46E-07	6.21E-09	3.61E-06	1.84E-06
5957	483641.15, 3857129.07	0.0263384	9.96E-06	3.91E-06	1.34E-02	5.07E-06	1.99E-06	8.99E-04	3.40E-07	8.60E-09	6.51E-04	2.46E-07	6.23E-09	3.91E-06	1.99E-06
5958	483555.03, 3857128.14	0.0239418	9.05E-06	3.56E-06	1.22E-02	4.62E-06	1.81E-06	8.73E-04	3.30E-07	8.35E-09	6.40E-04	2.42E-07	6.12E-09	3.55E-06	1.81E-06
5959	483468.91, 3857127.2	0.0221739	8.38E-06	3.29E-06	1.13E-02	4.29E-06	1.68E-06	8.47E-04	3.20E-07	8.11E-09	6.28E-04	2.38E-07	6.01E-09	3.29E-06	1.68E-06
5960	483382.78, 3857126.26	0.0208054	7.87E-06	3.09E-06	1.07E-02	4.03E-06	1.58E-06	8.26E-04	3.12E-07	7.90E-09	6.20E-04	2.35E-07	5.93E-09	3.09E-06	1.58E-06
5961	483296.66, 3857125.32	0.0196433	7.43E-06	2.92E-06	1.01E-02	3.81E-06	1.50E-06	8.05E-04	3.04E-07	7.70E-09	6.10E-04	2.31E-07	5.84E-09	2.92E-06	1.50E-06
5962	483210.54, 3857124.39	0.0186176	7.04E-06	2.77E-06	9.57E-03	3.62E-06	1.42E-06	7.85E-04	2.97E-07	7.51E-09	6.02E-04	2.28E-07	5.76E-09	2.76E-06	1.42E-06
5963	483123.4, 3857030.96	0.0191271	7.23E-06	2.84E-06	9.82E-03	3.71E-06	1.46E-06	7.91E-04	2.99E-07	7.57E-09	6.06E-04	2.29E-07	5.79E-09	2.84E-06	1.46E-06
5964	483122.38, 3856938.46	0.0207314	7.84E-06	3.08E-06	1.06E-02	4.01E-06	1.58E-06	8.18E-04	3.09E-07	7.82E-09	6.17E-04	2.33E-07	5.90E-09	3.08E-06	1.58E-06
5965	483121.35, 3856845.97	0.0225135	8.51E-06	3.34E-06	1.15E-02	4.35E-06	1.71E-06	8.44E-04	3.19E-07	8.08E-09	6.30E-04	2.38E-07	6.03E-09	3.34E-06	1.71E-06
5966	483120.33, 3856753.47	0.0243776	9.22E-06	3.62E-06	1.24E-02	4.70E-06	1.85E-06	8.71E-04	3.29E-07	8.33E-09	6.41E-04	2.43E-07	6.14E-09	3.62E-06	1.84E-06
5967	483119.31, 3856660.98	0.0262863	9.94E-06	3.90E-06	1.34E-02	5.06E-06	1.99E-06	9.01E-04	3.41E-07	8.62E-09	6.53E-04	2.47E-07	6.25E-09	3.90E-06	1.98E-06
5968	483118.29, 3856568.49	0.0282399	1.07E-05	4.19E-06	1.43E-02	5.42E-06	2.13E-06	9.34E-04	3.53E-07	8.93E-09	6.64E-04	2.51E-07	6.35E-09	4.19E-06	2.13E-06
5969	483117.26, 3856475.99	0.0303628	1.15E-05	4.51E-06	1.54E-02	5.82E-06	2.29E-06	9.71E-04	3.67E-07	9.29E-09	6.77E-04	2.56E-07	6.48E-09	4.51E-06	2.29E-06
5970	483116.24, 3856383.5	0.0329659	1.25E-05	4.90E-06	1.67E-02	6.31E-06	2.48E-06	1.01E-03	3.83E-07	9.68E-09	6.90E-04	2.61E-07	6.60E-09	4.89E-06	2.48E-06
5971	483115.22, 3856291.01	0.0368258	1.39E-05	5.47E-06	1.86E-02	7.03E-06	2.76E-06	1.06E-03	3.99E-07	1.01E-08	7.05E-04	2.67E-07	6.75E-09	5.47E-06	2.76E-06
5972	483114.2, 3856198.51	0.043686	1.65E-05	6.49E-06	2.20E-02	8.31E-06	3.26E-06	1.10E-03	4.18E-07	1.06E-08	7.21E-04	2.73E-07	6.90E-09	6.49E-06	3.26E-06
5973	483113.17, 3856106.02	0.0580908	2.20E-05	8.63E-06	2.90E-02	1.10E-05	4.31E-06	1.17E-03	4.41E-07	1.11E-08	7.41E-04	2.80E-07	7.09E-09	8.62E-06	4.31E-06
5974	483112.15, 3856013.52	0.0652318	2.47E-05	9.69E-06	3.25E-02	1.23E-05	4.83E-06	1.23E-03	4.66E-07	1.18E-08	7.62E-04	2.88E-07	7.29E-09	9.68E-06	4.83E-06
5975	483029.25, 3855920.47	0.0531689	2.01E-05	7.90E-06	2.67E-02	1.01E-05	3.96E-06	1.25E-03	4.72E-07	1.19E-08	7.72E-04	2.92E-07	7.39E-09	7.89E-06	3.96E-06
5976	482947.37, 3855919.91	0.0426316	1.61E-05	6.33E-06	2.15E-02	8.14E-06	3.20E-06	1.19E-03	4.50E-07	1.14E-08	7.59E-04	2.87E-07	7.26E-09	6.33E-06	3.19E-06
5977	482865.49, 3855919.36	0.0360102	1.36E-05	5.35E-06	1.83E-02	6.90E-06	2.71E-06	1.14E-03	4.31E-07	1.09E-08	7.46E-04	2.82E-07	7.14E-09	5.34E-06	2.71E-06
5978	482783.61, 3855918.8	0.0318911	1.21E-05	4.74E-06	1.62E-02	6.14E-06	2.41E-06	1.09E-03	4.14E-07	1.05E-08	7.35E-04	2.78E-07	7.03E-09	4.73E-06	2.41E-06
5979	482700.33, 3855818.39	0.0333556	1.26E-05	4.95E-06	1.69E-02	6.41E-06	2.52E-06	1.11E-03	4.18E-07	1.06E-08	7.44E-04	2.81E-07	7.12E-09	4.95E-06	2.51E-06
5980	482698.92, 3855718.54	0.0518564	1.96E-05	7.70E-06	2.60E-02	9.83E-06	3.86E-06	1.17E-03	4.42E-07	1.12E-08	7.69E-04	2.91E-07	7.35E-09	7.70E-06	3.86E-06
5981	482697.52, 3855618.68	0.0596248	2.25E-05	8.86E-06	2.98E-02	1.13E-05	4.43E-06	1.24E-03	4.70E-07	1.19E-08	7.97E-04	3.01E-07	7.62E-09	8.85E-06	4.43E-06
5982	482696.11, 3855518.83	0.0622271	2.35E-05	9.24E-06	3.11E-02	1.18E-05	4.63E-06	1.33E-03	5.03E-07	1.27E-08	8.29E-04	3.14E-07	7.93E-09	9.24E-06	4.62E-06
5983	482694.71, 3855418.98	0.0634833	2.40E-05	9.43E-06	3.18E-02	1.20E-05	4.73E-06	1.43E-03	5.40E-07	1.37E-08	8.65E-04	3.27E-07	8.28E-09	9.42E-06	4.72E-06
5984	482693.3, 3855319.13	0.0642209	2.43E-05	9.54E-06	3.23E-02	1.22E-05	4.79E-06	1.55E-03	5.85E-07	1.48E-08	9.04E-04	3.42E-07	8.65E-09	9.53E-06	4.79E-06
5985	482691.9, 3855219.27	0.0647188	2.45E-05	9.61E-06	3.26E-02	1.23E-05	4.84E-06	1.69E-03	6.38E-07	1.61E-08	9.52E-04	3.60E-07	9.10E-09	9.61E-06	4.83E-06
5986	482690.49, 3855119.42	0.064956	2.46E-05	9.65E-06	3.28E-02	1.24E-05	4.87E-06	1.86E-03	7.02E-07	1.78E-08	1.00E-03	3.79E-07	9.59E-09	9.64E-06	4.87E-06
5987	482689.09, 3855019.57	0.0652246	2.47E-05	9.69E-06	3.31E-02	1.25E-05	4.91E-06	2.08E-03	7.85E-07	1.99E-08	1.06E-03	4.02E-07	1.02E-08	9.68E-06	4.90E-06
5988	482687.68, 3854919.71	0.0653164	2.47E-05	9.70E-06	3.33E-02	1.26E-05	4.95E-06	2.34E-03	8.84E-07	2.24E-08	1.13E-03	4.29E-07	1.09E-08	9.69E-06	4.93E-06
5989	482686.28, 3854819.86	0.0657529	2.49E-05	9.77E-06	3.37E-02	1.28E-05	5.01E-06	2.68E-03	1.01E-06	2.56E-08	1.22E-03	4.62E-07	1.17E-08	9.75E-06	5.00E-06
5990	482684.88, 3854720.01	0.0666456	2.52E-05	9.90E-06	3.44E-02	1.30E-05	5.11E-06	3.08E-03	1.16E-06	2.94E-08	1.32E-03	4.99E-07	1.26E-08	9.88E-06	5.10E-06
5991	482683.47, 3854620.16	0.0668402	2.53E-05	9.93E-06	3.48E-02	1.32E-05	5.18E-06	3.59E-03	1.36E-06	3.43E-08	1.45E-03	5.49E-07	1.39E-08	9.91E-06	5.16E-06
5992	482682.07, 3854520.31	0.0669501	2.53E-05	9.94E-06	3.53E-02	1.33E-05	5.24E-06	4.15E-03	1.57E-06	3.97E-08	1.61E-03	6.09E-07	1.54E-08	9.92E-06	5.21E-06
5993	482680.66, 3854420.45	0.0669839	2.53E-05	9.95E-06	3.57E-02	1.35E-05	5.30E-06	4.76E-03	1.80E-06	4.55E-08	1.81E-03	6.86E-07	1.73E-08	9.92E-06	5.27E-06
5994	482679.26, 3854320.6	0.0667812	2.52E-05	9.92E-06	3.59E-02	1.36E-05	5.34E-06	5.29E-03	2.00E-06	5.06E-08	2.07E-03	7.83E-07	1.98E-08	9.89E-06	5.30E-06
5995	482677.85, 3854220.75	0.066572	2.52E-05	9.89E-06	3.61E-02	1.36E-05	5.36E-06	5.69E-03	2.15E-06	5.45E-08	2.43E-03	9.19E-07	2.32E-08	9.86E-06	5.33E-06
5996	482676.45, 3854120.9	0.0654068	2.47E-05	9.72E-06	3.56E-02	1.35E-05	5.29E-06	5.87E-03	2.22E-06	5.62E-08	2.83E-03	1.07E-06	2.71E-08	9.69E-06	5.26E-06
5997	482675.04, 3854021.04	0.0644893	2.44E-05	9.58E-06	3.53E-02	1.34E-05	5.25E-06	6.10E-03	2.31E-06	5.83E-08	3.32E-03	1.26E-06	3.18E-08	9.55E-06	5.22E-06
5998	482673.64, 3853921.19	0.0618936	2.34E-05	9.19E-06	3.42E-02	1.29E-05	5.08E-06	6.33E-03	2.39E-06	6.06E-08	3.84E-03	1.45E-06	3.67E-08	9.17E-06	5.06E-06
5999	482672.23, 3853821.34	0.0601289	2.27E-05	8.93E-06	3.36E-02	1.27E-05	4.99E-06	6.73E-03	2.54E-06	6.44E-08	4.44E-03	1.68E-06	4.25E-08	8.91E-06	4.97E-06
6000	482670.83, 3853721.48	0.0584746	2.21E-05	8.69E-06	3.31E-02	1.25E-05	4.92E-06	7.19E-03	2.72E-06	6.88E-08	5.24E-03	1.98E-06	5.01E-08	8.67E-06	4.90E-06
6001	482669.42, 3853621.63	0.056795	2.15E-05	8.44E-06	3.27E-02	1.23E-05	4.85E-06	7.76E-03	2.93E-06	7.42E-08	6.37E-03	2.41E-06	6.09E-08	8.42E-06	4.84E-06
6002	482645.99, 3853446.13	0.0526535	1.99E-05	7.82E-06	3.13E-02	1.18E-05	4.65E-06	8.84E-03	3.34E-06	8.45E-08	8.47E-03	3.20E-06	8.11E-08	7.82E-06	4.65E-06
6003	482623.96, 3853370.48	0.0502408	1.90E-05	7.46E-06	3.02E-02	1.14E-05	4.49E-06	8.94E-03	3.38E-06	8.55E-08	8.96E-03	3.39E-06	8.57E-08	7.46E-06	4.49E-06
6004	482601.94, 3853294.84	0.048476	1.83E-05	7.20E-06	2.96E-02	1.12E-05	4.40E-06	9.36E-03	3.54E-06	8.96E-08	9.72E-03	3.67E-06	9.29E-08	7.20E-06	4.41E-06
6005	482531.29, 3853133.44	0.0468207	1.77E-05	6.95E-06	2.97E-02	1.12E-05	4.42E-06	1.08E-02	4.07E-06	1.03E-07	1.12E-02	4.25E-06	1.07E-07	6.96E-06	4.42E-06
6006	482482.68, 3853047.69	0.0460594	1.74E-05	6.84E-06	2.99E-02	1.13E-05	4.44E-06	1.16E-02	4.38E-06	1.11E-07	1.22E-02	4.60E-06	1.16E-07	6.85E-06	4.45E-06
6007	482383.08, 3852897.4	0.0498144	1.88E-05	7.40E-06	3.53E-02	1.33E-05	5.24E-06	1.71E-02	6.47E-06	1.64E-07	1.81E-02	6.86E-06	1.74E-07	7.41E-06	5.25E-06
6008	482265.64, 3852765.26	0.050547	1.91E-05	7.51E-06	3.71E-02	1.40E-05	5.50E-06	1.93E-02	7.30E-06	1.85E-07	2.05E-02	7.75E-06	1.96E-07	7.52E-06	5.52E-06
6009	482199.16, 3852697.66	0.0496422	1.88E-05	7.37E-06	3.65E-02	1.38E-05	5.42E-06	1.91E-02	7.23E-06	1.83E-07	2.03E-02	7.67E-06	1.94E-07	7.38E-06	5.43E-06
6010	482132.69, 3852630.07	0.0486653	1.84E-05	7.23E-06	3.58E-02	1.35E-05	5.32E-06	1.88E-02	7.09E-06	1.79E-07	1.99E-02	7.53E-06	1.90E-07	7.24E-06	5.33E-06
6011	482066.21, 3852562.48	0.0479812	1.81E-05	7.13E-06	3.54E-02	1.34E-05	5.25E-06	1.86E-02	7.03E-06	1.78E-07	1.97E-02	7.45E-06	1.89E-07	7.14E-06	5.26E-06
6012	481999.74, 3852494.89	0.0471683	1.78E-05	7.01E-06	3.47E-02	1.31E-05	5.16E-06	1.83E-02	6.90E-06	1.75E-07	1.94E-02	7.32E-06	1.85E-07	7.02E-06	5.17E-06

6013	481933.26, 3852427.29	0.046137	1.74E-05	6.85E-06	3.39E-02	1.28E-05	5.04E-06	1.77E-02	6.70E-06	1.70E-07	1.88E-02	7.11E-06	1.80E-07	6.86E-06	5.05E-06
6014	481866.79, 3852359.7	0.0456061	1.72E-05	6.77E-06	3.36E-02	1.27E-05	4.99E-06	1.76E-02	6.66E-06	1.69E-07	1.87E-02	7.07E-06	1.79E-07	6.78E-06	5.00E-06
6015	481800.31, 3852292.11	0.0447161	1.69E-05	6.64E-06	3.28E-02	1.24E-05	4.88E-06	1.72E-02	6.49E-06	1.64E-07	1.82E-02	6.88E-06	1.74E-07	6.65E-06	4.89E-06
6016	481733.84, 3852224.52	0.0440343	1.66E-05	6.54E-06	3.23E-02	1.22E-05	4.80E-06	1.69E-02	6.37E-06	1.61E-07	1.79E-02	6.75E-06	1.71E-07	6.55E-06	4.81E-06
6017	481667.36, 3852156.92	0.0437738	1.66E-05	6.50E-06	3.22E-02	1.22E-05	4.78E-06	1.68E-02	6.37E-06	1.61E-07	1.78E-02	6.75E-06	1.71E-07	6.51E-06	4.79E-06
6018	481600.89, 3852089.33	0.0431095	1.63E-05	6.40E-06	3.16E-02	1.20E-05	4.70E-06	1.65E-02	6.24E-06	1.58E-07	1.75E-02	6.61E-06	1.67E-07	6.41E-06	4.71E-06
6019	481534.41, 3852021.74	0.0427737	1.62E-05	6.35E-06	3.14E-02	1.19E-05	4.66E-06	1.64E-02	6.20E-06	1.57E-07	1.74E-02	6.56E-06	1.66E-07	6.36E-06	4.67E-06
6020	481467.94, 3851954.15	0.0424631	1.61E-05	6.31E-06	3.12E-02	1.18E-05	4.63E-06	1.63E-02	6.15E-06	1.56E-07	1.72E-02	6.51E-06	1.65E-07	6.32E-06	4.64E-06
6021	481401.46, 3851886.55	0.0423463	1.60E-05	6.29E-06	3.11E-02	1.18E-05	4.62E-06	1.62E-02	6.13E-06	1.55E-07	1.72E-02	6.49E-06	1.64E-07	6.30E-06	4.63E-06
6022	481265.87, 3851761.43	0.0396457	1.50E-05	5.89E-06	2.85E-02	1.08E-05	4.23E-06	1.42E-02	5.39E-06	1.36E-07	1.51E-02	5.69E-06	1.44E-07	5.90E-06	4.24E-06
6023	481196.74, 3851703.89	0.0395115	1.49E-05	5.87E-06	2.78E-02	1.05E-05	4.13E-06	1.33E-02	5.04E-06	1.28E-07	1.40E-02	5.30E-06	1.34E-07	5.88E-06	4.14E-06
6024	481076.33, 3851619.04	0.039506	1.49E-05	5.87E-06	2.76E-02	1.04E-05	4.10E-06	1.30E-02	4.90E-06	1.24E-07	1.35E-02	5.10E-06	1.29E-07	5.87E-06	4.10E-06
6025	480939.8, 3851549.07	0.0391231	1.48E-05	5.81E-06	2.72E-02	1.03E-05	4.03E-06	1.26E-02	4.75E-06	1.20E-07	1.30E-02	4.92E-06	1.24E-07	5.82E-06	4.04E-06
6026	480854.56, 3851506.41	0.0394385	1.49E-05	5.86E-06	2.73E-02	1.03E-05	4.06E-06	1.26E-02	4.77E-06	1.21E-07	1.31E-02	4.96E-06	1.25E-07	5.86E-06	4.07E-06
6027	480769.32, 3851463.75	0.0401928	1.52E-05	5.97E-06	2.78E-02	1.05E-05	4.13E-06	1.28E-02	4.83E-06	1.22E-07	1.33E-02	5.04E-06	1.28E-07	5.98E-06	4.14E-06
6028	480684.08, 3851421.08	0.0409067	1.55E-05	6.08E-06	2.83E-02	1.07E-05	4.20E-06	1.29E-02	4.89E-06	1.24E-07	1.36E-02	5.13E-06	1.30E-07	6.08E-06	4.20E-06
6029	480598.84, 3851378.42	0.0410093	1.55E-05	6.09E-06	2.83E-02	1.07E-05	4.20E-06	1.29E-02	4.89E-06	1.24E-07	1.36E-02	5.16E-06	1.30E-07	6.10E-06	4.21E-06
6030	480435.71, 3851275.01	0.0470344	1.78E-05	6.99E-06	3.42E-02	1.29E-05	5.08E-06	1.75E-02	6.62E-06	1.67E-07	1.87E-02	7.08E-06	1.79E-07	7.00E-06	5.09E-06
6031	480347.85, 3851232.36	0.0458785	1.73E-05	6.81E-06	3.35E-02	1.27E-05	4.97E-06	1.73E-02	6.52E-06	1.65E-07	1.86E-02	7.03E-06	1.78E-07	6.83E-06	4.98E-06
6032	480260, 3851189.72	0.0454035	1.72E-05	6.74E-06	3.31E-02	1.25E-05	4.91E-06	1.70E-02	6.43E-06	1.63E-07	1.84E-02	6.97E-06	1.76E-07	6.76E-06	4.93E-06
6033	480172.15, 3851147.07	0.0451506	1.71E-05	6.71E-06	3.28E-02	1.24E-05	4.87E-06	1.68E-02	6.35E-06	1.61E-07	1.83E-02	6.93E-06	1.75E-07	6.72E-06	4.89E-06
6034	480084.29, 3851104.42	0.0450708	1.70E-05	6.69E-06	3.26E-02	1.23E-05	4.85E-06	1.66E-02	6.27E-06	1.59E-07	1.82E-02	6.89E-06	1.74E-07	6.71E-06	4.86E-06
6035	479996.44, 3851061.77	0.0450972	1.71E-05	6.70E-06	3.26E-02	1.23E-05	4.84E-06	1.64E-02	6.21E-06	1.57E-07	1.81E-02	6.86E-06	1.73E-07	6.71E-06	4.85E-06
6036	479908.58, 3851019.13	0.0457154	1.73E-05	6.79E-06	3.30E-02	1.25E-05	4.91E-06	1.67E-02	6.31E-06	1.60E-07	1.85E-02	7.01E-06	1.77E-07	6.81E-06	4.92E-06
6037	479820.73, 3850976.48	0.0458266	1.73E-05	6.81E-06	3.30E-02	1.25E-05	4.90E-06	1.65E-02	6.25E-06	1.58E-07	1.84E-02	6.97E-06	1.76E-07	6.82E-06	4.92E-06
6038	479732.88, 3850933.83	0.0465042	1.76E-05	6.91E-06	3.32E-02	1.26E-05	4.93E-06	1.64E-02	6.19E-06	1.57E-07	1.83E-02	6.93E-06	1.75E-07	6.93E-06	4.95E-06
6039	479645.02, 3850891.18	0.0473646	1.79E-05	7.04E-06	3.36E-02	1.27E-05	4.99E-06	1.63E-02	6.17E-06	1.56E-07	1.83E-02	6.92E-06	1.75E-07	7.05E-06	5.01E-06
6040	479557.17, 3850848.54	0.0478521	1.81E-05	7.11E-06	3.37E-02	1.28E-05	5.01E-06	1.62E-02	6.12E-06	1.55E-07	1.81E-02	6.85E-06	1.73E-07	7.13E-06	5.03E-06
6041	479469.32, 3850805.89	0.048525	1.83E-05	7.21E-06	3.42E-02	1.29E-05	5.08E-06	1.64E-02	6.19E-06	1.57E-07	1.83E-02	6.91E-06	1.75E-07	7.23E-06	5.10E-06
6042	479381.46, 3850763.24	0.0484834	1.83E-05	7.20E-06	3.41E-02	1.29E-05	5.06E-06	1.62E-02	6.13E-06	1.55E-07	1.81E-02	6.83E-06	1.73E-07	7.22E-06	5.08E-06
6043	479293.61, 3850720.59	0.0480387	1.82E-05	7.14E-06	3.37E-02	1.27E-05	5.00E-06	1.59E-02	6.03E-06	1.53E-07	1.77E-02	6.70E-06	1.70E-07	7.15E-06	5.02E-06
6044	479205.76, 3850677.95	0.0476403	1.80E-05	7.08E-06	3.34E-02	1.26E-05	4.95E-06	1.57E-02	5.95E-06	1.51E-07	1.75E-02	6.61E-06	1.67E-07	7.09E-06	4.97E-06
6045	479117.9, 3850635.3	0.0468419	1.77E-05	6.96E-06	3.26E-02	1.23E-05	4.85E-06	1.52E-02	5.76E-06	1.46E-07	1.69E-02	6.38E-06	1.61E-07	6.97E-06	4.86E-06
6046	479030.05, 3850592.65	0.0459301	1.74E-05	6.82E-06	3.19E-02	1.21E-05	4.74E-06	1.48E-02	5.60E-06	1.42E-07	1.63E-02	6.17E-06	1.56E-07	6.84E-06	4.75E-06
6047	478942.19, 3850550	0.0454922	1.72E-05	6.76E-06	3.19E-02	1.20E-05	4.73E-06	1.51E-02	5.70E-06	1.44E-07	1.66E-02	6.27E-06	1.59E-07	6.77E-06	4.75E-06
6048	478854.34, 3850507.36	0.0461321	1.74E-05	6.85E-06	3.28E-02	1.24E-05	4.88E-06	1.61E-02	6.09E-06	1.54E-07	1.77E-02	6.69E-06	1.69E-07	6.87E-06	4.89E-06
6049	478766.49, 3850464.71	0.0456146	1.72E-05	6.78E-06	3.26E-02	1.23E-05	4.85E-06	1.62E-02	6.11E-06	1.55E-07	1.77E-02	6.69E-06	1.69E-07	6.79E-06	4.86E-06
6050	478678.63, 3850422.06	0.0451488	1.71E-05	6.71E-06	3.24E-02	1.22E-05	4.81E-06	1.61E-02	6.10E-06	1.54E-07	1.76E-02	6.67E-06	1.69E-07	6.72E-06	4.83E-06
6051	478590.78, 3850379.41	0.0449037	1.70E-05	6.67E-06	3.23E-02	1.22E-05	4.80E-06	1.62E-02	6.11E-06	1.55E-07	1.76E-02	6.67E-06	1.69E-07	6.68E-06	4.81E-06
6052	478502.93, 3850336.77	0.0445837	1.69E-05	6.62E-06	3.21E-02	1.21E-05	4.77E-06	1.61E-02	6.10E-06	1.54E-07	1.76E-02	6.64E-06	1.68E-07	6.64E-06	4.78E-06
6053	478415.07, 3850294.12	0.0440672	1.67E-05	6.55E-06	3.18E-02	1.20E-05	4.72E-06	1.60E-02	6.04E-06	1.53E-07	1.73E-02	6.56E-06	1.66E-07	6.56E-06	4.73E-06
6054	478327.22, 3850251.47	0.0437766	1.66E-05	6.50E-06	3.17E-02	1.20E-05	4.71E-06	1.61E-02	6.08E-06	1.54E-07	1.74E-02	6.58E-06	1.67E-07	6.52E-06	4.72E-06
6055	478239.36, 3850208.82	0.043512	1.65E-05	6.46E-06	3.16E-02	1.19E-05	4.69E-06	1.61E-02	6.09E-06	1.54E-07	1.74E-02	6.58E-06	1.66E-07	6.48E-06	4.70E-06
6056	478151.51, 3850166.18	0.0433575	1.64E-05	6.44E-06	3.15E-02	1.19E-05	4.68E-06	1.61E-02	6.08E-06	1.54E-07	1.73E-02	6.55E-06	1.66E-07	6.45E-06	4.69E-06
6057	478063.66, 3850123.53	0.043218	1.63E-05	6.42E-06	3.14E-02	1.19E-05	4.66E-06	1.60E-02	6.05E-06	1.53E-07	1.72E-02	6.51E-06	1.65E-07	6.43E-06	4.67E-06
6058	477975.8, 3850080.88	0.0423639	1.60E-05	6.29E-06	3.07E-02	1.16E-05	4.56E-06	1.56E-02	5.90E-06	1.49E-07	1.68E-02	6.34E-06	1.60E-07	6.30E-06	4.57E-06
6059	477887.95, 3850038.23	0.0421601	1.59E-05	6.26E-06	3.06E-02	1.16E-05	4.54E-06	1.55E-02	5.88E-06	1.49E-07	1.67E-02	6.30E-06	1.59E-07	6.27E-06	4.55E-06
6060	477800.1, 3849995.59	0.0417227	1.58E-05	6.20E-06	3.02E-02	1.14E-05	4.48E-06	1.53E-02	5.79E-06	1.46E-07	1.64E-02	6.19E-06	1.57E-07	6.21E-06	4.49E-06
6061	477712.24, 3849952.94	0.0417136	1.58E-05	6.20E-06	3.02E-02	1.14E-05	4.49E-06	1.54E-02	5.81E-06	1.47E-07	1.64E-02	6.20E-06	1.57E-07	6.21E-06	4.50E-06
6062	477624.39, 3849910.29	0.0413029	1.56E-05	6.13E-06	3.00E-02	1.13E-05	4.46E-06	1.54E-02	5.81E-06	1.47E-07	1.64E-02	6.18E-06	1.56E-07	6.14E-06	4.47E-06
6063	477536.54, 3849867.64	0.0404809	1.53E-05	6.01E-06	2.95E-02	1.11E-05	4.38E-06	1.51E-02	5.73E-06	1.45E-07	1.61E-02	6.09E-06	1.54E-07	6.02E-06	4.39E-06
6064	477448.68, 3849825	0.040131	1.52E-05	5.96E-06	2.93E-02	1.11E-05	4.35E-06	1.51E-02	5.70E-06	1.44E-07	1.60E-02	6.05E-06	1.53E-07	5.97E-06	4.36E-06
6065	477360.83, 3849782.35	0.0397668	1.50E-05	5.91E-06	2.90E-02	1.10E-05	4.31E-06	1.49E-02	5.65E-06	1.43E-07	1.58E-02	5.98E-06	1.51E-07	5.92E-06	4.32E-06
6066	477272.97, 3849739.7	0.0395045	1.49E-05	5.87E-06	2.87E-02	1.09E-05	4.27E-06	1.47E-02	5.57E-06	1.41E-07	1.56E-02	5.88E-06	1.49E-07	5.88E-06	4.28E-06
6067	477185.12, 3849697.05	0.0394567	1.49E-05	5.86E-06	2.87E-02	1.08E-05	4.26E-06	1.47E-02	5.55E-06	1.40E-07	1.55E-02	5.85E-06	1.48E-07	5.87E-06	4.27E-06
6068	477097.27, 3849654.41	0.0397723	1.50E-05	5.91E-06	2.89E-02	1.09E-05	4.30E-06	1.48E-02	5.61E-06	1.42E-07	1.56E-02	5.90E-06	1.49E-07	5.91E-06	4.31E-06
6069	477009.41, 3849611.76	0.040507	1.53E-05	6.02E-06	2.96E-02	1.12E-05	4.40E-06	1.53E-02	5.79E-06	1.47E-07	1.61E-02	6.08E-06	1.54E-07	6.02E-06	4.40E-06
6070	476841.49, 3849530.08	0.041057	1.55E-05	6.10E-06	3.00E-02	1.13E-05	4.45E-06	1.54E-02	5.84E-06	1.48E-07	1.61E-02	6.11E-06	1.54E-07	6.11E-06	4.46E-06
6071	476761.41, 3849491.05	0.0412492	1.56E-05	6.13E-06	3.00E-02	1.14E-05	4.46E-06	1.54E-02	5.84E-06	1.48E-07	1.61E-02	6.09E-06	1.54E-07	6.13E-06	4.47E-06
6072	476681.34, 3849452.02	0.0421092	1.59E-05	6.25E-06	3.07E-02	1.16E-05	4.56E-06	1.58E-02	5.98E-06	1.51E-07	1.65E-02	6.24E-06	1.58E-07	6.26E-06	4.57E-06
6073	476601.26, 3849412.99	0.0437981	1.66E-05	6.51E-06	3.20E-02	1.21E-05	4.76E-06	1.66E-02	6.28E-06	1.59E-07	1.73E-02	6.54E-06	1.66E-07	6.51E-06	4.77E-06
6074	476456.32, 3849353.67	0.047788	1.81E-05	7.10E-06	3.56E-02	1.35E-05	5.29E-06	1.91E-02	7.23E-06	1.83E-07	1.99E-02	7.54E-06	1.91E-07	7.11E-06	5.30E-06
6075	476305.43, 3849318.83	0.0460262	1.74E-05	6.84E-06	3.42E-02	1.29E-05	5.08E-06	1.83E-02	6.91E-06	1.75E-07	1.92E-02	7.25E-06	1.83E-07	6.84E-06	5.09E-06
6076	476129.36, 3849289.99	0.0432493	1.64E-05	6.42E-06	3.18E-02	1.20E-05	4.72E-06	1.66E-02	6.27E-06	1.59E-07	1.74E-02	6.59E-06	1.67E-07	6.43E-06	4.73E-06
6077	476039.31, 3849275.68	0.0421548	1.59E-05	6.26E-06	3.08E-02	1.17E-05	4.58E-06	1.60E-02	6.05E-06	1.53E-07	1.68E-02	6.35E-06	1.61E-07	6.27E-06	4.59E-06
6078	475949.26, 3849261.38	0.0423703	1.60E-05	6.29E-06	3.11E-02	1.18E-05	4.62E-06	1.62E-02	6.13E-06	1.55E-07	1.70E-02	6.42E-06	1.63E-07	6.30E-06	4.63E-06
6079	475859.21, 3849247.08	0.0410012	1.55E-05	6.09E-06	2.99E-02	1.13E-05	4.44E-06	1.54E-02	5.81E-06	1.47E-07	1.61E-02	6.08E-06	1.54E-07	6.10E-06	4.44E-06
6080	475769.16, 3849232.77	0.0401451	1.52E-05	5.96E-06	2.90E-02	1.10E-05	4.31E-06	1.47E-02	5.57E-06	1.41E-07	1.54E-02	5.82E-06	1.47E-07	5.97E-06	4.32E-06
6081	475585.22, 3849219.27	0.0276961	1.05E-05	4.11E-06	1.90E-02	7.19E-06	2.82E-06	8.58E-03	3.24E-06	8.21E-08	8.99E-03	3.40E-06	8.60E-08	4.12E-06	2.83E-06
6082	475444.49, 3849150.34	0.0475337	1.80E-05	7.06E-06	3.41E-02	1.29E-05	5.06E-06	1.69E-02	6.40E-06	1.62E-07	1.77E-02	6.70E-06	1.69E-07	7.07E-06	5.07E-06
6083	475334.17, 3849118.71	0.0385863	1.46E-05	5.73E-06	2.79E-02	1.05E-05	4.14E-06	1.41E-02	5.33E-06	1.35E-07	1.47E-02	5.57E-06	1.41E-07	5.74E-06	4.15E-06
6084	475230.46, 3849060.57	0.0432877	1.64E-05	6.43E-06	3.18E-02	1.20E-05	4.72E-06	1.66E-02	6.27E-06	1.59E-07	1.73E-02	6.56E-06	1.66E-07	6.44E-06	4.73E-06
6085	475110.86, 3848960.97	0.0460682	1.74E-05	6.84E-06	3.48E-02	1.31E-05	5.16E-06	1.91E-02	7.23E-06	1.83E-07	2.01E-02	7.60E-06	1.92E-07	6.85E-06	5.17E-06
6086	475037.79, 3848896.28	0.0464814	1.76E-05	6.90E-06	3.56E-02	1.34E-05	5.28E-06	2.00E-02	7.58E-06	1.92E-07	2.11E-02	7.97E-06	2.02E-07	6.91E-06	5.29E-06
6087	474964.72, 3848831.59	0.047317	1.79E-05	7.03E-06	3.65E-02	1.38E-05	5.42E-06	2.09E-02	7.89E-06	2.00E-07	2.19E-02	8.30E-06	2.10E-07	7.04E-06	5.43E-06
6088	474891.65, 3848766.9	0.046994	1.78E-05	6.98E-06	3.67E-02	1.39E-05	5.45E-06	2.14E-02	8.08E-06	2.04E-07	2.25E-02	8.49E-06	2.15E-07	6.99E-06	5.46E-06
6089	474818.58, 3848702.22	0.04733	1.79E-05	7.03E-06	3.74E-02	1.41E-05	5.55E-06	2.22E-02	8.40E-06	2.13E-07	2.34E-02	8.83E-06	2.23E-07	7.04E-06	5.56E-06
6090	474745.51, 3848637.53	0.0439841	1.66E-05	6.53E-06	3.53E-02	1.33E-05	5.24E-06	2.15E-02	8.12E-06	2.05E-07	2.26E-02	8.53E-06	2.16E-07	6.54E-06	5.25E-06
6091	474672.44, 3848572.84	0.0437276	1.65E-05	6.49E-06	3.55E-02	1.34E-05	5.27E-06	2.20E-02	8.31E-06	2.10E-07	2.31E-02	8.73E-06	2.21E-07	6.51E-06	5.28E-06
6092	474599.37, 3848508.15	0.0451787	1.71E-05	6.71E-06	3.71E-02	1.40E-05	5.51E-06	2.34E-02	8.83E-06	2.23E-07	2.45E-02	9.27E-06	2.35E-07	6.72E-06	5.52E-06
6093	474526.3, 3848443.46	0.0454152	1.72E-05	6.75E-06	3.76E-02	1.42E-05	5.59E-06	2.41E-02	9.10E-06	2.30E-07	2.53E-02	9.55E-06	2.42E-07	6.76E-06	5.60E-06

Construction - Park Risk

		Unmitigated			Mitigated			Existing Main			S. Main			Total Risk	
Rec#	X, Y	Concentrat	Dose	Risk	Concentrati	Dose	Risk	Concentrat	Dose	Risk	Concentrat	Dose	Risk	Unmitigate	Mitigated
1	485973.61, 3854936.51	5.03E-02	1.59E-05	2.10E-06	2.53E-02	7.99E-06	1.05E-06	1.26E-03	3.97E-07	5.24E-08	3.05E-03	9.63E-07	1.27E-07	2.17E-06	1.13E-06
2	486023.61, 3854936.51	4.92E-02	1.55E-05	2.05E-06	2.48E-02	7.81E-06	1.03E-06	1.24E-03	3.90E-07	5.15E-08	2.93E-03	9.25E-07	1.22E-07	2.12E-06	1.10E-06
3	486073.61, 3854936.51	4.80E-02	1.51E-05	2.00E-06	2.42E-02	7.62E-06	1.01E-06	1.22E-03	3.85E-07	5.08E-08	2.83E-03	8.93E-07	1.18E-07	2.07E-06	1.07E-06
4	486123.61, 3854936.51	4.68E-02	1.48E-05	1.95E-06	2.36E-02	7.44E-06	9.82E-07	1.19E-03	3.76E-07	4.97E-08	2.70E-03	8.54E-07	1.13E-07	2.01E-06	1.04E-06
5	486173.61, 3854936.51	4.60E-02	1.45E-05	1.92E-06	2.32E-02	7.31E-06	9.65E-07	1.18E-03	3.73E-07	4.92E-08	2.64E-03	8.32E-07	1.10E-07	1.98E-06	1.03E-06
6	486223.61, 3854936.51	4.51E-02	1.42E-05	1.88E-06	2.27E-02	7.16E-06	9.45E-07	1.16E-03	3.67E-07	4.84E-08	2.54E-03	8.03E-07	1.06E-07	1.94E-06	1.00E-06
7	486273.61, 3854936.51	4.42E-02	1.40E-05	1.84E-06	2.23E-02	7.02E-06	9.27E-07	1.15E-03	3.62E-07	4.78E-08	2.46E-03	7.78E-07	1.03E-07	1.90E-06	9.82E-07
8	486323.61, 3854936.51	4.34E-02	1.37E-05	1.81E-06	2.19E-02	6.90E-06	9.11E-07	1.13E-03	3.57E-07	4.72E-08	2.39E-03	7.56E-07	9.98E-08	1.86E-06	9.63E-07
9	485973.61, 3854986.51	5.26E-02	1.66E-05	2.19E-06	2.64E-02	8.34E-06	1.10E-06	1.29E-03	4.07E-07	5.37E-08	3.18E-03	1.00E-06	1.32E-07	2.27E-06	1.18E-06
10	486023.61, 3854986.51	5.14E-02	1.62E-05	2.14E-06	2.59E-02	8.16E-06	1.08E-06	1.27E-03	4.00E-07	5.29E-08	3.06E-03	9.64E-07	1.27E-07	2.22E-06	1.15E-06
11	486073.61, 3854986.51	5.03E-02	1.59E-05	2.09E-06	2.53E-02	7.98E-06	1.05E-06	1.25E-03	3.93E-07	5.19E-08	2.93E-03	9.26E-07	1.22E-07	2.17E-06	1.12E-06
12	486123.61, 3854986.51	4.92E-02	1.55E-05	2.05E-06	2.48E-02	7.81E-06	1.03E-06	1.23E-03	3.87E-07	5.10E-08	2.82E-03	8.91E-07	1.18E-07	2.12E-06	1.10E-06
13	486173.61, 3854986.51	4.80E-02	1.52E-05	2.00E-06	2.42E-02	7.62E-06	1.01E-06	1.21E-03	3.82E-07	5.04E-08	2.74E-03	8.63E-07	1.14E-07	2.06E-06	1.07E-06
14	486223.61, 3854986.51	4.70E-02	1.48E-05	1.96E-06	2.36E-02	7.46E-06	9.85E-07	1.19E-03	3.75E-07	4.95E-08	2.64E-03	8.32E-07	1.10E-07	2.02E-06	1.05E-06
15	486273.61, 3854986.51	4.60E-02	1.45E-05	1.91E-06	2.31E-02	7.30E-06	9.63E-07	1.17E-03	3.68E-07	4.86E-08	2.54E-03	8.01E-07	1.06E-07	1.97E-06	1.02E-06
16	486323.61, 3854986.51	4.52E-02	1.43E-05	1.88E-06	2.28E-02	7.19E-06	9.49E-07	1.16E-03	3.66E-07	4.84E-08	2.48E-03	7.84E-07	1.04E-07	1.94E-06	1.00E-06
17	485973.61, 3855036.51	5.50E-02	1.74E-05	2.29E-06	2.76E-02	8.71E-06	1.15E-06	1.32E-03	4.17E-07	5.51E-08	3.31E-03	1.05E-06	1.38E-07	2.37E-06	1.23E-06
18	486023.61, 3855036.51	5.37E-02	1.69E-05	2.24E-06	2.70E-02	8.51E-06	1.12E-06	1.30E-03	4.10E-07	5.42E-08	3.18E-03	1.00E-06	1.32E-07	2.31E-06	1.20E-06
19	486073.61, 3855036.51	5.24E-02	1.65E-05	2.18E-06	2.63E-02	8.31E-06	1.10E-06	1.27E-03	4.02E-07	5.31E-08	3.04E-03	9.60E-07	1.27E-07	2.26E-06	1.17E-06
20	486123.61, 3855036.51	5.13E-02	1.62E-05	2.14E-06	2.58E-02	8.13E-06	1.07E-06	1.25E-03	3.95E-07	5.21E-08	2.92E-03	9.23E-07	1.22E-07	2.21E-06	1.14E-06
21	486173.61, 3855036.51	5.02E-02	1.59E-05	2.09E-06	2.52E-02	7.97E-06	1.05E-06	1.24E-03	3.91E-07	5.16E-08	2.83E-03	8.94E-07	1.18E-07	2.16E-06	1.12E-06
22	486223.61, 3855036.51	4.89E-02	1.54E-05	2.04E-06	2.46E-02	7.76E-06	1.02E-06	1.21E-03	3.83E-07	5.06E-08	2.72E-03	8.58E-07	1.13E-07	2.10E-06	1.09E-06
23	486273.61, 3855036.51	4.80E-02	1.51E-05	2.00E-06	2.41E-02	7.62E-06	1.01E-06	1.20E-03	3.79E-07	5.01E-08	2.65E-03	8.35E-07	1.10E-07	2.06E-06	1.07E-06
24	486323.61, 3855036.51	4.70E-02	1.48E-05	1.96E-06	2.36E-02	7.46E-06	9.85E-07	1.18E-03	3.73E-07	4.93E-08	2.56E-03	8.07E-07	1.06E-07	2.02E-06	1.04E-06
25	485973.61, 3855086.51	5.73E-02	1.81E-05	2.39E-06	2.88E-02	9.09E-06	1.20E-06	1.36E-03	4.28E-07	5.65E-08	3.45E-03	1.09E-06	1.44E-07	2.48E-06	1.29E-06
26	486023.61, 3855086.51	5.60E-02	1.77E-05	2.33E-06	2.81E-02	8.88E-06	1.17E-06	1.33E-03	4.21E-07	5.56E-08	3.31E-03	1.05E-06	1.38E-07	2.42E-06	1.25E-06
27	486073.61, 3855086.51	5.47E-02	1.73E-05	2.28E-06	2.75E-02	8.67E-06	1.14E-06	1.31E-03	4.12E-07	5.44E-08	3.16E-03	9.98E-07	1.32E-07	2.36E-06	1.22E-06
28	486123.61, 3855086.51	5.34E-02	1.69E-05	2.23E-06	2.68E-02	8.47E-06	1.12E-06	1.29E-03	4.06E-07	5.36E-08	3.05E-03	9.63E-07	1.27E-07	2.30E-06	1.19E-06
29	486173.61, 3855086.51	5.22E-02	1.65E-05	2.18E-06	2.62E-02	8.28E-06	1.09E-06	1.26E-03	3.99E-07	5.26E-08	2.93E-03	9.23E-07	1.22E-07	2.25E-06	1.16E-06
30	486223.61, 3855086.51	5.11E-02	1.61E-05	2.13E-06	2.57E-02	8.11E-06	1.07E-06	1.25E-03	3.93E-07	5.19E-08	2.83E-03	8.92E-07	1.18E-07	2.20E-06	1.14E-06
31	485973.61, 3855136.51	5.96E-02	1.88E-05	2.48E-06	2.99E-02	9.45E-06	1.25E-06	1.40E-03	4.41E-07	5.81E-08	3.61E-03	1.14E-06	1.50E-07	2.58E-06	1.34E-06
32	486023.61, 3855136.51	5.83E-02	1.84E-05	2.43E-06	2.93E-02	9.23E-06	1.22E-06	1.37E-03	4.32E-07	5.70E-08	3.45E-03	1.09E-06	1.44E-07	2.51E-06	1.31E-06
33	486073.61, 3855136.51	5.70E-02	1.80E-05	2.37E-06	2.86E-02	9.03E-06	1.19E-06	1.34E-03	4.24E-07	5.59E-08	3.30E-03	1.04E-06	1.38E-07	2.46E-06	1.27E-06
34	486123.61, 3855136.51	5.57E-02	1.76E-05	2.32E-06	2.80E-02	8.82E-06	1.16E-06	1.32E-03	4.17E-07	5.50E-08	3.17E-03	1.00E-06	1.32E-07	2.40E-06	1.24E-06
35	486173.61, 3855136.51	5.44E-02	1.72E-05	2.27E-06	2.73E-02	8.62E-06	1.14E-06	1.30E-03	4.09E-07	5.40E-08	3.04E-03	9.60E-07	1.27E-07	2.34E-06	1.21E-06
36	486223.61, 3855136.51	5.32E-02	1.68E-05	2.22E-06	2.67E-02	8.43E-06	1.11E-06	1.28E-03	4.02E-07	5.31E-08	2.93E-03	9.24E-07	1.22E-07	2.28E-06	1.18E-06
37	485973.61, 3855186.51	6.19E-02	1.95E-05	2.58E-06	3.11E-02	9.81E-06	1.29E-06	1.44E-03	4.53E-07	5.98E-08	3.78E-03	1.19E-06	1.57E-07	2.68E-06	1.39E-06
38	486023.61, 3855186.51	6.05E-02	1.91E-05	2.52E-06	3.04E-02	9.58E-06	1.26E-06	1.41E-03	4.45E-07	5.87E-08	3.61E-03	1.14E-06	1.50E-07	2.61E-06	1.36E-06
39	486073.61, 3855186.51	5.92E-02	1.87E-05	2.47E-06	2.97E-02	9.37E-06	1.24E-06	1.38E-03	4.35E-07	5.74E-08	3.44E-03	1.09E-06	1.43E-07	2.55E-06	1.32E-06
40	486123.61, 3855186.51	5.79E-02	1.83E-05	2.41E-06	2.90E-02	9.17E-06	1.21E-06	1.35E-03	4.26E-07	5.62E-08	3.28E-03	1.04E-06	1.37E-07	2.49E-06	1.29E-06
41	486173.61, 3855186.51	5.66E-02	1.79E-05	2.36E-06	2.84E-02	8.96E-06	1.18E-06	1.33E-03	4.18E-07	5.52E-08	3.15E-03	9.95E-07	1.31E-07	2.43E-06	1.26E-06
42	486223.61, 3855186.51	5.53E-02	1.74E-05	2.30E-06	2.77E-02	8.75E-06	1.16E-06	1.30E-03	4.11E-07	5.43E-08	3.03E-03	9.56E-07	1.26E-07	2.37E-06	1.23E-06
43	486273.61, 3855186.51	5.40E-02	1.70E-05	2.25E-06	2.71E-02	8.56E-06	1.13E-06	1.28E-03	4.04E-07	5.33E-08	2.91E-03	9.20E-07	1.21E-07	2.32E-06	1.20E-06
44	486323.61, 3855186.51	5.30E-02	1.67E-05	2.21E-06	2.66E-02	8.40E-06	1.11E-06	1.27E-03	4.02E-07	5.31E-08	2.85E-03	8.99E-07	1.19E-07	2.27E-06	1.17E-06
45	485973.61, 3855236.51	6.43E-02	2.03E-05	2.68E-06	3.23E-02	1.02E-05	1.34E-06	1.48E-03	4.66E-07	6.15E-08	3.95E-03	1.25E-06	1.65E-07	2.78E-06	1.45E-06
46	486023.61, 3855236.51	6.28E-02	1.98E-05	2.62E-06	3.15E-02	9.95E-06	1.31E-06	1.44E-03	4.56E-07	6.02E-08	3.76E-03	1.19E-06	1.56E-07	2.71E-06	1.41E-06
47	486073.61, 3855236.51	6.14E-02	1.94E-05	2.56E-06	3.08E-02	9.73E-06	1.28E-06	1.41E-03	4.45E-07	5.87E-08	3.57E-03	1.13E-06	1.49E-07	2.65E-06	1.37E-06
48	486123.61, 3855236.51	6.00E-02	1.90E-05	2.50E-06	3.01E-02	9.51E-06	1.25E-06	1.38E-03	4.37E-07	5.76E-08	3.41E-03	1.08E-06	1.42E-07	2.59E-06	1.34E-06
49	486173.61, 3855236.51	5.87E-02	1.85E-05	2.45E-06	2.95E-02	9.30E-06	1.23E-06	1.36E-03	4.29E-07	5.66E-08	3.27E-03	1.03E-06	1.36E-07	2.53E-06	1.31E-06
50	486223.61, 3855236.51	5.74E-02	1.81E-05	2.39E-06	2.88E-02	9.09E-06	1.20E-06	1.33E-03	4.21E-07	5.55E-08	3.14E-03	9.90E-07	1.31E-07	2.47E-06	1.28E-06
51	486273.61, 3855236.51	5.60E-02	1.77E-05	2.33E-06	2.81E-02	8.87E-06	1.17E-06	1.30E-03	4.11E-07	5.42E-08	2.99E-03	9.44E-07	1.25E-07	2.40E-06	1.24E-06
52	486323.61, 3855236.51	5.50E-02	1.74E-05	2.29E-06	2.76E-02	8.71E-06	1.15E-06	1.30E-03	4.11E-07	5.43E-08	2.94E-03	9.29E-07	1.23E-07	2.36E-06	1.22E-06
53	485973.61, 3855286.51	6.67E-02	2.11E-05	2.78E-06	3.35E-02	1.06E-05	1.39E-06	1.52E-03	4.80E-07	6.33E-08	4.14E-03	1.31E-06	1.72E-07	2.89E-06	1.50E-06
54	486023.61, 3855286.51	6.52E-02	2.06E-05	2.72E-06	3.27E-02	1.03E-05	1.36E-06	1.48E-03	4.68E-07	6.17E-08	3.92E-03	1.24E-06	1.63E-07	2.82E-06	1.46E-06
55	486073.61, 3855286.51	6.37E-02	2.01E-05	2.65E-06	3.19E-02	1.01E-05	1.33E-06	1.45E-03	4.57E-07	6.04E-08	3.73E-03	1.18E-06	1.55E-07	2.75E-06	1.43E-06
56	486123.61, 3855286.51	6.23E-02	1.97E-05	2.59E-06	3.12E-02	9.86E-06	1.30E-06	1.42E-03	4.47E-07	5.90E-08	3.55E-03	1.12E-06	1.48E-07	2.68E-06	1.39E-06
57	486173.61, 3855286.51	6.09E-02	1.92E-05	2.54E-06	3.05E-02	9.64E-06	1.27E-06	1.39E-03	4.38E-07	5.78E-08	3.39E-03	1.07E-06	1.41E-07	2.62E-06	1.36E-06
58	486223.61, 3855286.51	5.95E-02	1.88E-05	2.48E-06	2.99E-02	9.42E-06	1.24E-06	1.36E-03	4.31E-07	5.68E-08	3.25E-03	1.03E-06	1.35E-07	2.56E-06	1.32E-06
59	486123.61, 3855336.51	6.46E-02	2.04E-05	2.69E-06	3.24E-02	1.02E-05	1.35E-06	1.45E-03	4.58E-07	6.04E-08	3.69E-03	1.16E-06	1.54E-07	2.78E-06	1.44E-06
60	486173.61, 3855336.51	6.31E-02	1.99E-05	2.63E-06	3.16E-02	9.98E-06	1.32E-06	1.42E-03	4.49E-07	5.93E-08	3.52E-03	1.11E-06	1.47E-07	2.72E-06	1.41E-06
61	486223.61, 3855336.51	6.17E-02	1.95E-05	2.57E-06	3.09E-02	9.76E-06	1.29E-06	1.40E-03	4.41E-07	5.82E-08	3.37E-03	1.06E-06	1.40E-07	2.65E-06	1.37E-06
62	486123.61, 3855386.51	6.70E-02	2.11E-05	2.79E-06	3.36E-02	1.06E-05	1.40E-06	1.49E-03	4.70E-07	6.21E-08	3.85E-03	1.21E-06	1.60E-07	2.89E-06	1.50E-06
63	486173.61, 3855386.51	6.54E-02	2.06E-05	2.72E-06	3.28E-02	1.03E-05	1.36E-06	1.46E-03	4.61E-07	6.08E-08	3.67E-03	1.16E-06	1.53E-07	2.82E-06	1.46E-06
64	486223.61, 3855386.51	6.38E-02	2.01E-05	2.66E-06	3.20E-02	1.01E-05	1.33E-06	1.43E-03	4.52E-07	5.97E-08	3.51E-03	1.11E-06	1.46E-07	2.75E-06	1.42E-06
65	486533.18, 3855443.15	5.78E-02	1.82E-05	2.41E-06	2.90E-02	9.16E-06	1.21E-06	1.34E-03	4.22E-07	5.57E-08	2.90E-03	9.16E-07	1.21E-07	2.47E-06	1.27E-06
66	486583.18, 3855443.15	5.67E-02	1.79E-05	2.36E-06	2.84E-02	8.97E-06	1.18E-06	1.32E-03	4.15E-07	5.48E-08	2.80E-03	8.85E-07	1.17E-07	2.42E-06	1.25E-06
67	486633.18, 3855443.15	5.55E-02	1.75E-05	2.31E-06	2.79E-02	8.79E-06	1.16E-06	1.30E-03	4.09E-07	5.40E-08	2.71E-03	8.56E-07	1.13E-07	2.37E-06	1.22E-06
68	486683.18, 3855443.15	5.44E-02	1.72E-05	2.27E-06	2.73E-02	8.62E-06	1.14E-06	1.28E-03	4.04E-07	5.33E-08	2.64E-03	8.32E-07	1.10E-07	2.32E-06	1.19E-06
69	486533.18, 3855493.15	5.97E-02	1.88E-05	2.49E-06	2.99E-02	9.45E-06	1.25E-06	1.37E-03	4.32E-07	5.70E-08	3.00E-03	9.45E-07	1.25E-07	2.55E-06	1.31E-06
70	486583.18, 3855493.15	5.84E-02	1.84E-05	2.43E-06	2.93E-02	9.25E-06	1.22E-06	1.35E-03	4.25E-07	5.61E-08	2.90E-03	9.14E-07	1.21E-07	2.50E-06	1.29E-06
71	486633.18, 3855493.15	5.73E-02	1.81E-05	2.39E-06	2.87E-02	9.07E-06	1.20E-06	1.33E-03	4.18E-07	5.52E-08	2.80E-03	8.83E-07	1.17E-07	2.45E-06	1.26E-06
72	486683.18, 3855493.15	5.61E-02	1.77E-05	2.34E-06	2.82E-02	8.89E-06	1.17E-06	1.30E-03	4.12E-07	5.44E-08	2.71E-03	8.55E-07	1.13E-07	2.40E-06	1.23E-06
73	486533.18, 3855543.15	6.15E-02	1.94E-05	2.56E-06	3.09E-02	9.74E-06	1.29E-06	1.40E-03	4.42E-07	5.83E-08	3.10E-03	9.79E-07	1.29E-07	2.63E-06	1.36E-06
74	486583.18, 3855543.15	6.03E-02	1.90E-05	2.51E-06	3.02E-02	9.54E-06	1.26E-06	1.37E-03	4.33E-07	5.72E-08	2.98E-03	9.41E-07	1.24E-07	2.58E-06	1.33E-06
75	486633.18, 3855543.15	5.91E-02	1.86E-05	2.46E-06	2.96E-02	9.35E-06	1.23E-06	1.35E-03	4.27E-07	5.63E-08	2.88E-03	9.09E-07	1.20E-07	2.52E-06	1.30E-06
76	486683.18, 3855543.15	5.79E-02	1.83E-05	2.41E-06	2.90E-02	9.16E-06	1.21E-06	1.33E-03	4.19E-07	5.53E-08	2.77E-03	8.75E-07	1.15E-07	2.47E-06	1.27E-06
77	486533.18, 3855593.15	6.35E-02	2.00E-05	2.65E-06	3.18E-02	1.00E-05	1.33E-06	1.43E-03	4.51E-07	5.96E-08	3.21E-03	1.01E-06	1.34E-07	2.72E-06	1.40E-06
78	486583.18, 3855593.15	6.22E-02	1.96E-05	2.59E-06	3.12E-02	9.84E-06	1.30E-06	1.41E-03	4.43E-07	5.85E-08	3.08E-03	9.73E-07	1.28E-07	2.66E-06	1.37E-06
79	486633.18, 3855593.15	6.09E-02	1.92E-05	2.54E-06	3.05E-02	9.63E-06	1.27E-06	1.38E-03	4.36E-07	5.76E-08	2.97E-03	9.38E-07	1.24E-07	2.60E-06	1.34E-06
80	486683.18, 3855593.15	5.96E-02	1.88E-05	2.48E-06	2.99E-02	9.44E-06	1.25E-06	1.36E-03	4.30E-07	5.67E-08	2.87E-03	9.07E-07	1.20E-07	2.55E-06	1.31E-06
81	486533.18, 3855643.15	6.55E-02	2.07E-05	2.73E-06	3.28E-02	1.04E-05	1.37E-06	1.46E-03	4.62E-07	6.10E-08	3.32E-03	1.05E-06	1.39E-07	2.81E-06	1.45E-06
82	486583.18, 3855643.15	6.41E-02	2.02E-05	2.67E-06	3.21E-02	1.01E-05	1.34E-06	1.44E-03	4.54E-07	5.99E-08	3.19E-03	1.01E-06	1.33E-07	2.74E-06	1.41E-06
83	486633.18, 3855643.15	6.27E-02	1.98E-05	2.61E-06	3.14E-02	9.93E-06	1.31E-06	1.41E-03	4.46E-07	5.89E-08	3.07E-03	9.70E-07	1.28E-07	2.68E-06	1.38E-06
84	486683.18, 3855643.15	6.14E-02	1.94E-05	2.56E-06	3.08E-02	9.72E-06	1.28E-06	1.39E-03	4.39E-07	5.79E-08	2.97E-03	9.36E-07	1.24E-07	2.62E-06	1.35E-06
85	486533.18, 3855693.15	6.76E-02	2.13E-05	2.81E-06	3.39E-02	1.07E-05	1.41E-06	1.50E-03	4.75E-07	6.27E-08	3.47E-03	1.09E-06	1.44E-07	2.90E-06	1.49E-06
86	486583.18, 3855693.15	6.61E-02	2.09E-05	2.76E-06	3.31E-02	1.05E-05	1.38E-06	1.47E-03	4.64E-07	6.12E-08	3.31E-03	1.04E-06	1.38E-07	2.83E-06	1.46E-06
87	486633.18, 3855693.15	6.48E-02	2.04E-05	2.70E-06	3.24E-02	1.02E-05	1.35E-06	1.44E-03	4.53E-07	5.98E-08	3.16E-03	9.97E-07	1.32E-07	2.77E-06	1.42E-06
88	486683.18, 3855693.15	6.33E-02	2.00E-05	2.64E-06	3.17E-02	1.00E-05	1.32E-06	1.42E-03	4.48E-07	5.91E-08	3.06E-03	9.67E-07	1.28E-07	2.71E-06	1.39E-06
89	486733.18, 3855693.15	6.19E-02	1.95E-05	2.58E-06	3.10E-02	9.79E-06	1.29E-06	1.41E-03	4.44E-07	5.87E-08	2.99E-03	9.44E-07	1.25E-07	2.64E-06	1.36E-06
90	486783.18, 3855693.15	6.05E-02	1.91E-05	2.52E-06	3.03E-02	9.58E-06	1.26E-06	1.40E-03	4.42E-07	5.83E-08	2.93E-03	9.24E-07	1.22E-07	2.58E-06	1.33E-06

91	486533.18, 3855743.15	6.98E-02	2.20E-05	2.91E-06	3.49E-02	1.10E-05	1.46E-06	1.54E-03	4.86E-07	6.42E-08	3.61E-03	1.14E-06	1.50E-07	2.99E-06	1.54E-06
92	486583.18, 3855743.15	6.83E-02	2.16E-05	2.85E-06	3.42E-02	1.08E-05	1.43E-06	1.50E-03	4.73E-07	6.25E-08	3.42E-03	1.08E-06	1.43E-07	2.93E-06	1.51E-06
93	486633.18, 3855743.15	6.68E-02	2.11E-05	2.78E-06	3.35E-02	1.06E-05	1.39E-06	1.47E-03	4.64E-07	6.12E-08	3.28E-03	1.03E-06	1.37E-07	2.86E-06	1.47E-06
94	486683.18, 3855743.15	6.52E-02	2.06E-05	2.72E-06	3.27E-02	1.03E-05	1.36E-06	1.46E-03	4.59E-07	6.06E-08	3.19E-03	1.01E-06	1.33E-07	2.79E-06	1.43E-06
95	486733.18, 3855743.15	6.37E-02	2.01E-05	2.66E-06	3.19E-02	1.01E-05	1.33E-06	1.44E-03	4.53E-07	5.98E-08	3.09E-03	9.74E-07	1.29E-07	2.72E-06	1.40E-06
96	486783.18, 3855743.15	6.22E-02	1.96E-05	2.59E-06	3.12E-02	9.85E-06	1.30E-06	1.43E-03	4.52E-07	5.97E-08	3.03E-03	9.56E-07	1.26E-07	2.66E-06	1.37E-06
97	486533.18, 3855793.15	7.21E-02	2.27E-05	3.00E-06	3.61E-02	1.14E-05	1.50E-06	1.58E-03	4.98E-07	6.58E-08	3.78E-03	1.19E-06	1.58E-07	3.09E-06	1.60E-06
98	486583.18, 3855793.15	7.06E-02	2.23E-05	2.94E-06	3.54E-02	1.12E-05	1.47E-06	1.53E-03	4.82E-07	6.36E-08	3.55E-03	1.12E-06	1.48E-07	3.03E-06	1.56E-06
99	486633.18, 3855793.15	6.88E-02	2.17E-05	2.87E-06	3.45E-02	1.09E-05	1.44E-06	1.51E-03	4.77E-07	6.29E-08	3.43E-03	1.08E-06	1.43E-07	2.95E-06	1.52E-06
100	486683.18, 3855793.15	6.71E-02	2.12E-05	2.80E-06	3.36E-02	1.06E-05	1.40E-06	1.50E-03	4.72E-07	6.23E-08	3.33E-03	1.05E-06	1.39E-07	2.87E-06	1.48E-06
101	486733.18, 3855793.15	6.55E-02	2.07E-05	2.73E-06	3.28E-02	1.04E-05	1.37E-06	1.48E-03	4.66E-07	6.15E-08	3.22E-03	1.02E-06	1.34E-07	2.80E-06	1.44E-06
102	486783.18, 3855793.15	6.40E-02	2.02E-05	2.67E-06	3.21E-02	1.01E-05	1.34E-06	1.46E-03	4.62E-07	6.10E-08	3.13E-03	9.89E-07	1.31E-07	2.74E-06	1.41E-06
103	486533.18, 3855843.15	7.46E-02	2.36E-05	3.11E-06	3.74E-02	1.18E-05	1.56E-06	1.61E-03	5.09E-07	6.72E-08	3.95E-03	1.25E-06	1.64E-07	3.21E-06	1.65E-06
104	486583.18, 3855843.15	7.29E-02	2.30E-05	3.04E-06	3.65E-02	1.15E-05	1.52E-06	1.57E-03	4.95E-07	6.53E-08	3.72E-03	1.17E-06	1.55E-07	3.13E-06	1.61E-06
105	486633.18, 3855843.15	7.10E-02	2.24E-05	2.96E-06	3.55E-02	1.12E-05	1.48E-06	1.55E-03	4.89E-07	6.45E-08	3.59E-03	1.13E-06	1.50E-07	3.04E-06	1.57E-06
106	486683.18, 3855843.15	6.91E-02	2.18E-05	2.88E-06	3.46E-02	1.09E-05	1.44E-06	1.53E-03	4.84E-07	6.38E-08	3.48E-03	1.10E-06	1.45E-07	2.96E-06	1.52E-06
107	486733.18, 3855843.15	6.74E-02	2.13E-05	2.81E-06	3.38E-02	1.07E-05	1.41E-06	1.52E-03	4.79E-07	6.32E-08	3.37E-03	1.06E-06	1.40E-07	2.89E-06	1.49E-06
108	486783.18, 3855843.15	6.58E-02	2.08E-05	2.74E-06	3.30E-02	1.04E-05	1.38E-06	1.50E-03	4.73E-07	6.25E-08	3.26E-03	1.03E-06	1.36E-07	2.82E-06	1.45E-06
109	486533.18, 3855893.15	7.76E-02	2.45E-05	3.23E-06	3.88E-02	1.22E-05	1.62E-06	1.64E-03	5.16E-07	6.81E-08	4.10E-03	1.29E-06	1.71E-07	3.33E-06	1.72E-06
110	486583.18, 3855893.15	7.53E-02	2.38E-05	3.14E-06	3.77E-02	1.19E-05	1.57E-06	1.61E-03	5.09E-07	6.72E-08	3.93E-03	1.24E-06	1.64E-07	3.23E-06	1.67E-06
111	486633.18, 3855893.15	7.33E-02	2.31E-05	3.05E-06	3.67E-02	1.16E-05	1.53E-06	1.59E-03	5.02E-07	6.62E-08	3.77E-03	1.19E-06	1.57E-07	3.14E-06	1.62E-06
112	486683.18, 3855893.15	7.13E-02	2.25E-05	2.97E-06	3.57E-02	1.13E-05	1.49E-06	1.57E-03	4.96E-07	6.55E-08	3.64E-03	1.15E-06	1.52E-07	3.06E-06	1.57E-06
113	486733.18, 3855893.15	6.94E-02	2.19E-05	2.89E-06	3.48E-02	1.10E-05	1.45E-06	1.55E-03	4.90E-07	6.47E-08	3.52E-03	1.11E-06	1.47E-07	2.97E-06	1.53E-06
114	486783.18, 3855893.15	6.77E-02	2.14E-05	2.82E-06	3.39E-02	1.07E-05	1.41E-06	1.54E-03	4.86E-07	6.42E-08	3.41E-03	1.08E-06	1.42E-07	2.90E-06	1.49E-06
115	486533.18, 3855943.15	8.05E-02	2.54E-05	3.35E-06	4.03E-02	1.27E-05	1.68E-06	1.68E-03	5.30E-07	6.99E-08	4.34E-03	1.37E-06	1.81E-07	3.46E-06	1.79E-06
116	486583.18, 3855943.15	7.79E-02	2.46E-05	3.24E-06	3.90E-02	1.23E-05	1.62E-06	1.66E-03	5.24E-07	6.92E-08	4.17E-03	1.32E-06	1.74E-07	3.35E-06	1.73E-06
117	486633.18, 3855943.15	7.57E-02	2.39E-05	3.15E-06	3.79E-02	1.20E-05	1.58E-06	1.63E-03	5.16E-07	6.81E-08	3.98E-03	1.26E-06	1.66E-07	3.25E-06	1.68E-06
118	486683.18, 3855943.15	7.35E-02	2.32E-05	3.06E-06	3.68E-02	1.16E-05	1.53E-06	1.62E-03	5.10E-07	6.74E-08	3.84E-03	1.21E-06	1.60E-07	3.15E-06	1.63E-06
119	486733.18, 3855943.15	7.15E-02	2.26E-05	2.98E-06	3.59E-02	1.13E-05	1.49E-06	1.59E-03	5.03E-07	6.64E-08	3.69E-03	1.17E-06	1.54E-07	3.07E-06	1.58E-06
120	486783.18, 3855943.15	6.96E-02	2.20E-05	2.90E-06	3.49E-02	1.10E-05	1.45E-06	1.58E-03	4.98E-07	6.58E-08	3.58E-03	1.13E-06	1.49E-07	2.98E-06	1.54E-06
121	486533.18, 3855993.15	8.35E-02	2.63E-05	3.48E-06	4.17E-02	1.32E-05	1.74E-06	1.73E-03	5.45E-07	7.20E-08	4.64E-03	1.46E-06	1.93E-07	3.60E-06	1.86E-06
122	486583.18, 3855993.15	8.07E-02	2.55E-05	3.36E-06	4.04E-02	1.28E-05	1.68E-06	1.70E-03	5.38E-07	7.10E-08	4.42E-03	1.40E-06	1.84E-07	3.48E-06	1.80E-06
123	486633.18, 3855993.15	7.82E-02	2.47E-05	3.26E-06	3.92E-02	1.24E-05	1.63E-06	1.68E-03	5.30E-07	7.00E-08	4.22E-03	1.33E-06	1.76E-07	3.37E-06	1.74E-06
124	486683.18, 3855993.15	7.59E-02	2.40E-05	3.16E-06	3.80E-02	1.20E-05	1.58E-06	1.66E-03	5.24E-07	6.92E-08	4.06E-03	1.28E-06	1.69E-07	3.26E-06	1.68E-06
125	486733.18, 3855993.15	7.38E-02	2.33E-05	3.07E-06	3.70E-02	1.17E-05	1.54E-06	1.64E-03	5.17E-07	6.82E-08	3.89E-03	1.23E-06	1.62E-07	3.17E-06	1.63E-06
126	486783.18, 3855993.15	7.17E-02	2.26E-05	2.99E-06	3.60E-02	1.14E-05	1.50E-06	1.62E-03	5.11E-07	6.74E-08	3.75E-03	1.18E-06	1.56E-07	3.08E-06	1.59E-06
127	486533.18, 3856043.15	8.68E-02	2.74E-05	3.62E-06	4.34E-02	1.37E-05	1.81E-06	1.78E-03	5.62E-07	7.41E-08	4.97E-03	1.57E-06	2.07E-07	3.75E-06	1.94E-06
128	486583.18, 3856043.15	8.37E-02	2.64E-05	3.49E-06	4.19E-02	1.32E-05	1.75E-06	1.76E-03	5.54E-07	7.32E-08	4.73E-03	1.49E-06	1.97E-07	3.61E-06	1.87E-06
129	486633.18, 3856043.15	8.10E-02	2.56E-05	3.38E-06	4.06E-02	1.28E-05	1.69E-06	1.73E-03	5.45E-07	7.19E-08	4.49E-03	1.42E-06	1.87E-07	3.49E-06	1.81E-06
130	486683.18, 3856043.15	7.84E-02	2.48E-05	3.27E-06	3.93E-02	1.24E-05	1.64E-06	1.71E-03	5.39E-07	7.11E-08	4.31E-03	1.36E-06	1.79E-07	3.38E-06	1.74E-06
131	486733.18, 3856043.15	7.62E-02	2.40E-05	3.17E-06	3.82E-02	1.20E-05	1.59E-06	1.68E-03	5.31E-07	7.00E-08	4.12E-03	1.30E-06	1.72E-07	3.27E-06	1.69E-06
132	486783.18, 3856043.15	7.39E-02	2.33E-05	3.08E-06	3.71E-02	1.17E-05	1.54E-06	1.67E-03	5.26E-07	6.94E-08	3.97E-03	1.25E-06	1.65E-07	3.18E-06	1.64E-06
133	486533.18, 3856093.15	9.05E-02	2.85E-05	3.77E-06	4.52E-02	1.43E-05	1.88E-06	1.84E-03	5.80E-07	7.66E-08	5.38E-03	1.70E-06	2.24E-07	3.92E-06	2.03E-06
134	486583.18, 3856093.15	8.71E-02	2.75E-05	3.63E-06	4.36E-02	1.37E-05	1.81E-06	1.81E-03	5.71E-07	7.53E-08	5.08E-03	1.60E-06	2.12E-07	3.76E-06	1.95E-06
135	486633.18, 3856093.15	8.41E-02	2.65E-05	3.50E-06	4.21E-02	1.33E-05	1.75E-06	1.78E-03	5.62E-07	7.41E-08	4.81E-03	1.52E-06	2.01E-07	3.63E-06	1.88E-06
136	486683.18, 3856093.15	8.12E-02	2.56E-05	3.38E-06	4.07E-02	1.28E-05	1.69E-06	1.76E-03	5.54E-07	7.32E-08	4.59E-03	1.45E-06	1.91E-07	3.50E-06	1.81E-06
137	486733.18, 3856093.15	7.87E-02	2.48E-05	3.28E-06	3.94E-02	1.24E-05	1.64E-06	1.73E-03	5.46E-07	7.21E-08	4.38E-03	1.38E-06	1.82E-07	3.39E-06	1.75E-06
138	486783.18, 3856093.15	7.63E-02	2.41E-05	3.18E-06	3.82E-02	1.21E-05	1.59E-06	1.71E-03	5.40E-07	7.13E-08	4.20E-03	1.33E-06	1.75E-07	3.28E-06	1.70E-06
139	486533.18, 3856143.15	9.46E-02	2.99E-05	3.94E-06	4.73E-02	1.49E-05	1.97E-06	1.89E-03	5.98E-07	7.89E-08	5.85E-03	1.85E-06	2.44E-07	4.11E-06	2.13E-06
140	486583.18, 3856143.15	9.09E-02	2.87E-05	3.79E-06	4.54E-02	1.43E-05	1.89E-06	1.86E-03	5.87E-07	7.75E-08	5.48E-03	1.73E-06	2.28E-07	3.94E-06	2.04E-06
141	486633.18, 3856143.15	8.74E-02	2.76E-05	3.64E-06	4.37E-02	1.38E-05	1.82E-06	1.83E-03	5.78E-07	7.64E-08	5.19E-03	1.64E-06	2.16E-07	3.78E-06	1.96E-06
142	486683.18, 3856143.15	8.43E-02	2.66E-05	3.51E-06	4.22E-02	1.33E-05	1.76E-06	1.80E-03	5.70E-07	7.52E-08	4.92E-03	1.55E-06	2.05E-07	3.64E-06	1.89E-06
143	486733.18, 3856143.15	8.15E-02	2.57E-05	3.40E-06	4.08E-02	1.29E-05	1.70E-06	1.78E-03	5.62E-07	7.41E-08	4.68E-03	1.48E-06	1.95E-07	3.52E-06	1.82E-06
144	486783.18, 3856143.15	7.88E-02	2.49E-05	3.28E-06	3.95E-02	1.25E-05	1.65E-06	1.76E-03	5.56E-07	7.34E-08	4.49E-03	1.42E-06	1.87E-07	3.40E-06	1.76E-06
145	486533.18, 3856193.15	9.93E-02	3.14E-05	4.14E-06	4.96E-02	1.57E-05	2.07E-06	1.96E-03	6.18E-07	8.15E-08	6.45E-03	2.04E-06	2.69E-07	4.33E-06	2.25E-06
146	486583.18, 3856193.15	9.51E-02	3.00E-05	3.96E-06	4.75E-02	1.50E-05	1.98E-06	1.92E-03	6.05E-07	7.99E-08	5.99E-03	1.89E-06	2.50E-07	4.13E-06	2.15E-06
147	486633.18, 3856193.15	9.12E-02	2.88E-05	3.80E-06	4.56E-02	1.44E-05	1.90E-06	1.89E-03	5.96E-07	7.86E-08	5.63E-03	1.78E-06	2.34E-07	3.96E-06	2.06E-06
148	486683.18, 3856193.15	8.76E-02	2.77E-05	3.65E-06	4.38E-02	1.38E-05	1.83E-06	1.86E-03	5.88E-07	7.77E-08	5.33E-03	1.68E-06	2.22E-07	3.79E-06	1.97E-06
149	486733.18, 3856193.15	8.45E-02	2.67E-05	3.52E-06	4.23E-02	1.34E-05	1.76E-06	1.83E-03	5.79E-07	7.64E-08	5.04E-03	1.59E-06	2.10E-07	3.65E-06	1.90E-06
150	486783.18, 3856193.15	8.16E-02	2.57E-05	3.40E-06	4.09E-02	1.29E-05	1.70E-06	1.82E-03	5.73E-07	7.56E-08	4.80E-03	1.52E-06	2.00E-07	3.52E-06	1.83E-06
151	486533.18, 3856243.15	1.05E-01	3.31E-05	4.37E-06	5.24E-02	1.65E-05	2.18E-06	2.02E-03	6.37E-07	8.41E-08	7.17E-03	2.26E-06	2.99E-07	4.58E-06	2.40E-06
152	486583.18, 3856243.15	9.98E-02	3.15E-05	4.16E-06	4.99E-02	1.57E-05	2.08E-06	1.98E-03	6.26E-07	8.26E-08	6.62E-03	2.09E-06	2.76E-07	4.35E-06	2.27E-06
153	486633.18, 3856243.15	9.54E-02	3.01E-05	3.98E-06	4.77E-02	1.51E-05	1.99E-06	1.95E-03	6.15E-07	8.12E-08	6.16E-03	1.94E-06	2.57E-07	4.15E-06	2.16E-06
154	486683.18, 3856243.15	9.14E-02	2.89E-05	3.81E-06	4.57E-02	1.44E-05	1.91E-06	1.92E-03	6.06E-07	8.00E-08	5.77E-03	1.82E-06	2.40E-07	3.97E-06	2.07E-06
155	486733.18, 3856243.15	8.78E-02	2.77E-05	3.66E-06	4.40E-02	1.39E-05	1.83E-06	1.90E-03	5.98E-07	7.90E-08	5.44E-03	1.72E-06	2.27E-07	3.81E-06	1.98E-06
156	486783.18, 3856243.15	8.47E-02	2.67E-05	3.53E-06	4.24E-02	1.34E-05	1.77E-06	1.87E-03	5.89E-07	7.78E-08	5.14E-03	1.62E-06	2.14E-07	3.66E-06	1.90E-06
157	486533.18, 3856293.15	1.11E-01	3.52E-05	4.64E-06	5.56E-02	1.75E-05	2.32E-06	2.09E-03	6.59E-07	8.70E-08	8.05E-03	2.54E-06	3.35E-07	4.89E-06	2.56E-06
158	486583.18, 3856293.15	1.05E-01	3.33E-05	4.39E-06	5.26E-02	1.66E-05	2.19E-06	2.05E-03	6.46E-07	8.53E-08	7.34E-03	2.32E-06	3.06E-07	4.61E-06	2.41E-06
159	486633.18, 3856293.15	1.00E-01	3.16E-05	4.18E-06	5.01E-02	1.58E-05	2.09E-06	2.01E-03	6.35E-07	8.39E-08	6.76E-03	2.13E-06	2.82E-07	4.37E-06	2.28E-06
160	486683.18, 3856293.15	9.57E-02	3.02E-05	3.99E-06	4.79E-02	1.51E-05	1.99E-06	1.98E-03	6.25E-07	8.25E-08	6.29E-03	1.98E-06	2.62E-07	4.17E-06	2.17E-06
161	486733.18, 3856293.15	9.16E-02	2.89E-05	3.82E-06	4.58E-02	1.45E-05	1.91E-06	1.96E-03	6.18E-07	8.15E-08	5.89E-03	1.86E-06	2.45E-07	3.98E-06	2.07E-06
162	486783.18, 3856293.15	8.80E-02	2.78E-05	3.67E-06	4.41E-02	1.39E-05	1.84E-06	1.93E-03	6.08E-07	8.03E-08	5.53E-03	1.75E-06	2.31E-07	3.82E-06	1.99E-06
163	486783.18, 3856343.15	9.17E-02	2.90E-05	3.82E-06	4.59E-02	1.45E-05	1.91E-06	1.99E-03	6.29E-07	8.30E-08	6.00E-03	1.89E-06	2.50E-07	3.99E-06	2.08E-06
164	486833.18, 3856343.15	8.81E-02	2.78E-05	3.67E-06	4.42E-02	1.39E-05	1.84E-06	1.96E-03	6.20E-07	8.18E-08	5.63E-03	1.78E-06	2.34E-07	3.82E-06	1.99E-06
165	486883.18, 3856343.15	8.49E-02	2.68E-05	3.54E-06	4.26E-02	1.34E-05	1.77E-06	1.94E-03	6.12E-07	8.08E-08	5.30E-03	1.67E-06	2.21E-07	3.68E-06	1.91E-06
166	486783.18, 3856393.15	9.61E-02	3.03E-05	4.00E-06	4.81E-02	1.52E-05	2.00E-06	2.05E-03	6.48E-07	8.56E-08	6.51E-03	2.05E-06	2.71E-07	4.19E-06	2.19E-06
167	486833.18, 3856393.15	9.20E-02	2.90E-05	3.83E-06	4.61E-02	1.45E-05	1.92E-06	2.02E-03	6.39E-07	8.43E-08	6.06E-03	1.91E-06	2.53E-07	4.00E-06	2.09E-06
168	486883.18, 3856393.15	8.84E-02	2.79E-05	3.68E-06	4.43E-02	1.40E-05	1.85E-06	1.99E-03	6.29E-07	8.30E-08	5.67E-03	1.79E-06	2.36E-07	3.84E-06	2.00E-06
169	487208.74, 3856886.11	1.31E-01	4.14E-05	5.47E-06	6.55E-02	2.07E-05	2.73E-06	2.47E-03	7.79E-07	1.03E-07	7.62E-03	2.41E-06	3.18E-07	5.69E-06	2.94E-06
170	487258.74, 3856886.11	1.35E-01	4.26E-05	5.62E-06	6.72E-02	2.12E-05	2.80E-06	2.42E-03	7.64E-07	1.01E-07	6.99E-03	2.21E-06	2.91E-07	5.81E-06	2.99E-06
171	487308.74, 3856886.11	1.35E-01	4.26E-05	5.63E-06	6.73E-02	2.12E-05	2.80E-06	2.38E-03	7.51E-07	9.91E-08	6.46E-03	2.04E-06	2.69E-07	5.80E-06	2.97E-06
172	487358.74, 3856886.11	1.34E-01	4.23E-05	5.59E-06	6.68E-02	2.11E-05	2.78E-06	2.34E-03	7.37E-07	9.73E-08	6.01E-03	1.90E-06	2.51E-07	5.74E-06	2.94E-06
173	487208.74, 3856936.11	1.44E-01	4.55E-05	6.00E-06	7.18E-02	2.27E-05	2.99E-06	2.56E-03	8.08E-07	1.07E-07	8.44E-03	2.66E-06	3.52E-07	6.25E-06	3.24E-06
174	487258.74, 3856936.11	1.44E-01	4.55E-05	6.01E-06	7.18E-02	2.27E-05	2.99E-06	2.51E-03	7.92E-07	1.05E-07	7.66E-03	2.42E-06	3.19E-07	6.22E-06	3.21E-06
175	487308.74, 3856936.11	1.43E-01	4.52E-05	5.97E-06	7.13E-02	2.25E-05	2.97E-06	2.47E-03	7.78E-07	1.03E-07	7.02E-03	2.22E-06	2.93E-07	6.16E-06	3.16E-06
176	487358.74, 3856936.11	1.42E-01	4.48E-05	5.91E-06	7.06E-02	2.23E-05	2.94E-06	2.42E-03	7.64E-07	1.01E-07	6.49E-03	2.05E-06	2.70E-07	6.08E-06	3.11E-06
177	487208.74, 3856986.11	1.51E-01	4.76E-05	6.28E-06	7.51E-02	2.37E-05	3.13E-06	2.66E-03	8.39E-07	1.11E-07	9.47E-03	2.99E-06	3.95E-07	6.57E-06	3.41E-06
178	487258.74, 3856986.11	1.49E-01	4.70E-05	6.21E-06	7.42E-02	2.34E-05	3.09E-06	2.61E-03	8.24E-07	1.09E-07	8.49E-03	2.68E-06	3.54E-07	6.45E-06	3.34E-06
179	487308.74, 3856986.11	1.48E-01	4.66E-05	6.15E-06	7.34E-02	2.32E-05	3.06E-06	2.55E-03	8.06E-07	1.06E-07	7.71E-03	2.43E-06	3.21E-07	6.36E-06	3.27E-06
180	487358.74, 3856986.11	1.45E-01	4.59E-05	6.06E-06	7.24E-02	2.29E-05	3.02E-06	2.51E-03	7.93E-07	1.05E-07	7.06E-03	2.23E-06	2.94E-07	6.25E-06	3.21E-06
181	487208.74, 3857036.11	1.57E-01	4.94E-05	6.52E-06	7.80E-02	2.46E-05	3.25E-06	2.76E-03	8.72E-07	1.15E-07	1.08E-02	3.42E-06	4.51E-07	6.86E-06	3.59E-06
182	487258.74, 3857036.11	1.52E-01	4.79E-05	6.32E-06	7.56E-02	2.39E-05	3.15E-06	2.71E-03	8.54E-07	1.13E-07	9.54E-03	3.01E-06	3.97E-07	6.61E-06	3.44E-06
183	487308.74, 3857036.11	1.50E-01	4.73E-05	6.24E-06	7.46E-02	2.35E-05	3.11E-06	2.66E-03	8.39E-07	1.11E-07	8.54E-03	2.70E-06	3.56E-07	6.48E-06	3.35E-06
184	487358.74, 3857036.11	1.48E-01	4.66E-05	6.16E-06	7.36E-02	2.32E-05	3.07E-06	2.61E-03	8.23E-07	1.09E-07	7.74E-03	2.44E-06	3.23E-07	6.37E-06	3.28E-06

185	487427.14, 3856878.23	1.28E-01	4.05E-05	5.34E-06	6.39E-02	2.02E-05	2.66E-06	2.28E-03	7.19E-07	9.49E-08	5.44E-03	1.72E-06	2.27E-07	5.48E-06	2.79E-06
186	487477.14, 3856878.23	1.25E-01	3.94E-05	5.20E-06	6.22E-02	1.96E-05	2.59E-06	2.24E-03	7.08E-07	9.35E-08	5.13E-03	1.62E-06	2.14E-07	5.32E-06	2.71E-06
187	487527.14, 3856878.23	1.19E-01	3.75E-05	4.96E-06	5.93E-02	1.87E-05	2.47E-06	2.21E-03	6.97E-07	9.20E-08	4.85E-03	1.53E-06	2.02E-07	5.07E-06	2.58E-06
188	487427.14, 3856928.23	1.38E-01	4.35E-05	5.75E-06	6.87E-02	2.17E-05	2.86E-06	2.35E-03	7.43E-07	9.81E-08	5.82E-03	1.84E-06	2.42E-07	5.89E-06	3.00E-06
189	487477.14, 3856928.23	1.35E-01	4.28E-05	5.64E-06	6.74E-02	2.13E-05	2.81E-06	2.31E-03	7.30E-07	9.64E-08	5.46E-03	1.72E-06	2.27E-07	5.77E-06	2.94E-06
190	487527.14, 3856928.23	1.31E-01	4.15E-05	5.48E-06	6.55E-02	2.07E-05	2.73E-06	2.28E-03	7.19E-07	9.49E-08	5.14E-03	1.62E-06	2.14E-07	5.60E-06	2.85E-06
191	487577.14, 3856928.23	1.28E-01	4.05E-05	5.35E-06	6.39E-02	2.02E-05	2.66E-06	2.24E-03	7.08E-07	9.35E-08	4.87E-03	1.54E-06	2.03E-07	5.45E-06	2.77E-06
192	487627.14, 3856928.23	1.23E-01	3.87E-05	5.11E-06	6.12E-02	1.93E-05	2.55E-06	2.21E-03	6.97E-07	9.20E-08	4.62E-03	1.46E-06	1.92E-07	5.21E-06	2.65E-06
193	487677.14, 3856928.23	1.19E-01	3.74E-05	4.94E-06	5.91E-02	1.87E-05	2.46E-06	2.18E-03	6.87E-07	9.07E-08	4.40E-03	1.39E-06	1.83E-07	5.03E-06	2.56E-06
194	487727.14, 3856928.23	1.16E-01	3.66E-05	4.83E-06	5.78E-02	1.82E-05	2.41E-06	2.15E-03	6.79E-07	8.96E-08	4.20E-03	1.33E-06	1.75E-07	4.91E-06	2.49E-06
195	487777.14, 3856928.23	1.14E-01	3.60E-05	4.75E-06	5.69E-02	1.80E-05	2.37E-06	2.12E-03	6.69E-07	8.84E-08	4.02E-03	1.27E-06	1.67E-07	4.83E-06	2.45E-06
196	487427.14, 3856978.23	1.42E-01	4.49E-05	5.93E-06	7.09E-02	2.24E-05	2.95E-06	2.43E-03	7.68E-07	1.01E-07	6.26E-03	1.98E-06	2.61E-07	6.09E-06	3.11E-06
197	487477.14, 3856978.23	1.40E-01	4.43E-05	5.84E-06	6.98E-02	2.20E-05	2.91E-06	2.39E-03	7.55E-07	9.97E-08	5.84E-03	1.84E-06	2.43E-07	5.99E-06	3.05E-06
198	487527.14, 3856978.23	1.38E-01	4.36E-05	5.75E-06	6.87E-02	2.17E-05	2.86E-06	2.36E-03	7.44E-07	9.82E-08	5.48E-03	1.73E-06	2.28E-07	5.88E-06	2.99E-06
199	487577.14, 3856978.23	1.36E-01	4.30E-05	5.67E-06	6.78E-02	2.14E-05	2.82E-06	2.32E-03	7.32E-07	9.66E-08	5.16E-03	1.63E-06	2.15E-07	5.79E-06	2.94E-06
200	487627.14, 3856978.23	1.34E-01	4.24E-05	5.59E-06	6.68E-02	2.11E-05	2.78E-06	2.28E-03	7.19E-07	9.49E-08	4.88E-03	1.54E-06	2.03E-07	5.70E-06	2.89E-06
201	487677.14, 3856978.23	1.32E-01	4.16E-05	5.49E-06	6.56E-02	2.07E-05	2.73E-06	2.25E-03	7.09E-07	9.36E-08	4.63E-03	1.46E-06	1.93E-07	5.59E-06	2.83E-06
202	487727.14, 3856978.23	1.30E-01	4.10E-05	5.41E-06	6.46E-02	2.04E-05	2.69E-06	2.20E-03	6.95E-07	9.18E-08	4.41E-03	1.39E-06	1.84E-07	5.50E-06	2.78E-06
203	487777.14, 3856978.23	1.26E-01	3.97E-05	5.24E-06	6.26E-02	1.98E-05	2.61E-06	2.19E-03	6.90E-07	9.11E-08	4.20E-03	1.33E-06	1.75E-07	5.32E-06	2.69E-06
204	487427.14, 3857028.23	1.45E-01	4.57E-05	6.03E-06	7.21E-02	2.28E-05	3.00E-06	2.53E-03	7.97E-07	1.05E-07	6.78E-03	2.14E-06	2.83E-07	6.21E-06	3.18E-06
205	487477.14, 3857028.23	1.43E-01	4.51E-05	5.95E-06	7.11E-02	2.24E-05	2.96E-06	2.48E-03	7.83E-07	1.03E-07	6.28E-03	1.98E-06	2.62E-07	6.11E-06	3.12E-06
206	487527.14, 3857028.23	1.41E-01	4.45E-05	5.88E-06	7.02E-02	2.22E-05	2.93E-06	2.44E-03	7.69E-07	1.01E-07	5.86E-03	1.85E-06	2.44E-07	6.02E-06	3.07E-06
207	487577.14, 3857028.23	1.39E-01	4.39E-05	5.80E-06	6.93E-02	2.19E-05	2.89E-06	2.40E-03	7.56E-07	9.99E-08	5.49E-03	1.73E-06	2.29E-07	5.93E-06	3.01E-06
208	487627.14, 3857028.23	1.38E-01	4.34E-05	5.73E-06	6.85E-02	2.16E-05	2.85E-06	2.35E-03	7.42E-07	9.80E-08	5.17E-03	1.63E-06	2.16E-07	5.85E-06	2.97E-06
209	487677.14, 3857028.23	1.35E-01	4.27E-05	5.64E-06	6.74E-02	2.13E-05	2.81E-06	2.32E-03	7.31E-07	9.65E-08	4.89E-03	1.54E-06	2.04E-07	5.75E-06	2.91E-06
210	487727.14, 3857028.23	1.33E-01	4.19E-05	5.53E-06	6.61E-02	2.09E-05	2.75E-06	2.29E-03	7.22E-07	9.53E-08	4.64E-03	1.46E-06	1.93E-07	5.63E-06	2.85E-06
211	487777.14, 3857028.23	1.30E-01	4.10E-05	5.42E-06	6.47E-02	2.04E-05	2.70E-06	2.25E-03	7.11E-07	9.39E-08	4.41E-03	1.39E-06	1.84E-07	5.51E-06	2.79E-06
212	487427.14, 3857078.23	1.47E-01	4.63E-05	6.11E-06	7.31E-02	2.31E-05	3.04E-06	2.62E-03	8.28E-07	1.09E-07	7.41E-03	2.34E-06	3.09E-07	6.31E-06	3.24E-06
213	487477.14, 3857078.23	1.45E-01	4.57E-05	6.03E-06	7.21E-02	2.28E-05	3.01E-06	2.57E-03	8.11E-07	1.07E-07	6.81E-03	2.15E-06	2.84E-07	6.21E-06	3.18E-06
214	487527.14, 3857078.23	1.43E-01	4.51E-05	5.95E-06	7.12E-02	2.25E-05	2.96E-06	2.53E-03	7.97E-07	1.05E-07	6.31E-03	1.99E-06	2.63E-07	6.11E-06	3.12E-06
215	487577.14, 3857078.23	1.41E-01	4.45E-05	5.87E-06	7.02E-02	2.22E-05	2.93E-06	2.48E-03	7.83E-07	1.03E-07	5.88E-03	1.86E-06	2.45E-07	6.02E-06	3.07E-06
216	487627.14, 3857078.23	1.39E-01	4.40E-05	5.80E-06	6.94E-02	2.19E-05	2.89E-06	2.43E-03	7.68E-07	1.01E-07	5.51E-03	1.74E-06	2.30E-07	5.93E-06	3.02E-06
217	487677.14, 3857078.23	1.37E-01	4.33E-05	5.72E-06	6.84E-02	2.16E-05	2.85E-06	2.40E-03	7.56E-07	9.99E-08	5.19E-03	1.64E-06	2.16E-07	5.83E-06	2.96E-06
218	487727.14, 3857078.23	1.35E-01	4.26E-05	5.62E-06	6.72E-02	2.12E-05	2.80E-06	2.36E-03	7.45E-07	9.84E-08	4.90E-03	1.55E-06	2.04E-07	5.73E-06	2.91E-06
219	487777.14, 3857078.23	1.33E-01	4.19E-05	5.53E-06	6.61E-02	2.09E-05	2.75E-06	2.32E-03	7.33E-07	9.68E-08	4.65E-03	1.47E-06	1.94E-07	5.63E-06	2.85E-06
220	487427.14, 3857128.23	1.48E-01	4.68E-05	6.18E-06	7.40E-02	2.34E-05	3.08E-06	2.73E-03	8.61E-07	1.14E-07	8.17E-03	2.58E-06	3.40E-07	6.41E-06	3.31E-06
221	487477.14, 3857128.23	1.46E-01	4.62E-05	6.10E-06	7.30E-02	2.30E-05	3.04E-06	2.67E-03	8.42E-07	1.11E-07	7.44E-03	2.35E-06	3.10E-07	6.30E-06	3.24E-06
222	487527.14, 3857128.23	1.45E-01	4.56E-05	6.03E-06	7.21E-02	2.28E-05	3.00E-06	2.62E-03	8.26E-07	1.09E-07	6.84E-03	2.16E-06	2.85E-07	6.20E-06	3.18E-06
223	487577.14, 3857128.23	1.43E-01	4.50E-05	5.94E-06	7.11E-02	2.24E-05	2.96E-06	2.57E-03	8.11E-07	1.07E-07	6.33E-03	2.00E-06	2.64E-07	6.10E-06	3.12E-06
224	487627.14, 3857128.23	1.41E-01	4.44E-05	5.86E-06	7.01E-02	2.21E-05	2.92E-06	2.52E-03	7.97E-07	1.05E-07	5.90E-03	1.86E-06	2.46E-07	6.00E-06	3.06E-06
225	487677.14, 3857128.23	1.39E-01	4.38E-05	5.79E-06	6.92E-02	2.18E-05	2.88E-06	2.48E-03	7.82E-07	1.03E-07	5.53E-03	1.74E-06	2.30E-07	5.91E-06	3.01E-06
226	487727.14, 3857128.23	1.37E-01	4.31E-05	5.69E-06	6.81E-02	2.15E-05	2.84E-06	2.44E-03	7.71E-07	1.02E-07	5.20E-03	1.64E-06	2.17E-07	5.81E-06	2.95E-06
227	487777.14, 3857128.23	1.35E-01	4.25E-05	5.60E-06	6.70E-02	2.12E-05	2.79E-06	2.40E-03	7.58E-07	1.00E-07	4.91E-03	1.55E-06	2.05E-07	5.71E-06	2.90E-06
228	488049.44, 3856539.39	5.37E-02	1.70E-05	2.24E-06	2.72E-02	8.59E-06	1.13E-06	1.66E-03	5.25E-07	6.93E-08	2.63E-03	8.30E-07	1.10E-07	2.28E-06	1.17E-06
229	488099.44, 3856539.39	5.29E-02	1.67E-05	2.20E-06	2.68E-02	8.46E-06	1.12E-06	1.64E-03	5.19E-07	6.85E-08	2.57E-03	8.12E-07	1.07E-07	2.24E-06	1.16E-06
230	488149.44, 3856539.39	5.21E-02	1.64E-05	2.17E-06	2.64E-02	8.33E-06	1.10E-06	1.63E-03	5.14E-07	6.79E-08	2.52E-03	7.94E-07	1.05E-07	2.21E-06	1.14E-06
231	488049.44, 3856589.39	5.54E-02	1.75E-05	2.31E-06	2.81E-02	8.86E-06	1.17E-06	1.70E-03	5.36E-07	7.08E-08	2.69E-03	8.51E-07	1.12E-07	2.35E-06	1.21E-06
232	488099.44, 3856589.39	5.45E-02	1.72E-05	2.27E-06	2.76E-02	8.72E-06	1.15E-06	1.68E-03	5.31E-07	7.00E-08	2.63E-03	8.30E-07	1.10E-07	2.31E-06	1.19E-06
233	488149.44, 3856589.39	5.37E-02	1.69E-05	2.24E-06	2.72E-02	8.58E-06	1.13E-06	1.66E-03	5.25E-07	6.93E-08	2.57E-03	8.12E-07	1.07E-07	2.27E-06	1.17E-06
234	488199.44, 3856589.39	5.28E-02	1.67E-05	2.20E-06	2.68E-02	8.45E-06	1.12E-06	1.64E-03	5.19E-07	6.85E-08	2.52E-03	7.94E-07	1.05E-07	2.24E-06	1.15E-06
235	488249.44, 3856589.39	5.19E-02	1.64E-05	2.16E-06	2.63E-02	8.31E-06	1.10E-06	1.64E-03	5.17E-07	6.82E-08	2.46E-03	7.77E-07	1.03E-07	2.20E-06	1.13E-06
236	488049.44, 3856639.39	5.76E-02	1.82E-05	2.40E-06	2.92E-02	9.21E-06	1.22E-06	1.74E-03	5.48E-07	7.23E-08	2.76E-03	8.72E-07	1.15E-07	2.44E-06	1.26E-06
237	488099.44, 3856639.39	5.67E-02	1.79E-05	2.36E-06	2.87E-02	9.05E-06	1.20E-06	1.72E-03	5.42E-07	7.15E-08	2.70E-03	8.51E-07	1.12E-07	2.40E-06	1.24E-06
238	488149.44, 3856639.39	5.57E-02	1.76E-05	2.32E-06	2.82E-02	8.90E-06	1.17E-06	1.70E-03	5.36E-07	7.07E-08	2.63E-03	8.31E-07	1.10E-07	2.36E-06	1.21E-06
239	488199.44, 3856639.39	5.47E-02	1.73E-05	2.28E-06	2.77E-02	8.74E-06	1.15E-06	1.68E-03	5.31E-07	7.02E-08	2.57E-03	8.12E-07	1.07E-07	2.32E-06	1.19E-06
240	488249.44, 3856639.39	5.37E-02	1.70E-05	2.24E-06	2.72E-02	8.59E-06	1.13E-06	1.67E-03	5.27E-07	6.95E-08	2.52E-03	7.94E-07	1.05E-07	2.27E-06	1.17E-06
241	488299.44, 3856639.39	5.28E-02	1.67E-05	2.20E-06	2.68E-02	8.45E-06	1.11E-06	1.65E-03	5.22E-07	6.89E-08	2.46E-03	7.77E-07	1.03E-07	2.23E-06	1.15E-06
242	488349.44, 3856639.39	5.19E-02	1.64E-05	2.16E-06	2.63E-02	8.31E-06	1.10E-06	1.64E-03	5.17E-07	6.82E-08	2.41E-03	7.61E-07	1.01E-07	2.19E-06	1.13E-06
243	488399.44, 3856639.39	5.10E-02	1.61E-05	2.12E-06	2.59E-02	8.16E-06	1.08E-06	1.63E-03	5.13E-07	6.77E-08	2.37E-03	7.46E-07	9.85E-08	2.15E-06	1.11E-06
244	488099.44, 3856689.39	5.95E-02	1.88E-05	2.48E-06	3.01E-02	9.51E-06	1.25E-06	1.76E-03	5.54E-07	7.32E-08	2.77E-03	8.73E-07	1.15E-07	2.52E-06	1.30E-06
245	488149.44, 3856689.39	5.83E-02	1.84E-05	2.43E-06	2.95E-02	9.31E-06	1.23E-06	1.74E-03	5.48E-07	7.23E-08	2.70E-03	8.52E-07	1.12E-07	2.47E-06	1.27E-06
246	488199.44, 3856689.39	5.70E-02	1.80E-05	2.38E-06	2.89E-02	9.11E-06	1.20E-06	1.72E-03	5.43E-07	7.17E-08	2.63E-03	8.31E-07	1.10E-07	2.41E-06	1.24E-06
247	488249.44, 3856689.39	5.59E-02	1.76E-05	2.33E-06	2.83E-02	8.93E-06	1.18E-06	1.70E-03	5.37E-07	7.09E-08	2.57E-03	8.12E-07	1.07E-07	2.36E-06	1.22E-06
248	488299.44, 3856689.39	5.47E-02	1.73E-05	2.28E-06	2.77E-02	8.75E-06	1.16E-06	1.69E-03	5.33E-07	7.04E-08	2.52E-03	7.95E-07	1.05E-07	2.31E-06	1.19E-06
249	488349.44, 3856689.39	5.37E-02	1.69E-05	2.24E-06	2.72E-02	8.59E-06	1.13E-06	1.67E-03	5.28E-07	6.97E-08	2.46E-03	7.78E-07	1.03E-07	2.27E-06	1.17E-06
250	488399.44, 3856689.39	5.28E-02	1.66E-05	2.20E-06	2.67E-02	8.44E-06	1.11E-06	1.65E-03	5.21E-07	6.88E-08	2.41E-03	7.61E-07	1.01E-07	2.23E-06	1.15E-06
251	488099.44, 3856739.39	6.34E-02	2.00E-05	2.64E-06	3.20E-02	1.01E-05	1.33E-06	1.80E-03	5.68E-07	7.49E-08	2.84E-03	8.96E-07	1.18E-07	2.68E-06	1.38E-06
252	488149.44, 3856739.39	6.15E-02	1.94E-05	2.56E-06	3.11E-02	9.81E-06	1.30E-06	1.77E-03	5.60E-07	7.39E-08	2.77E-03	8.73E-07	1.15E-07	2.60E-06	1.34E-06
253	488199.44, 3856739.39	5.98E-02	1.89E-05	2.49E-06	3.02E-02	9.54E-06	1.26E-06	1.76E-03	5.56E-07	7.34E-08	2.70E-03	8.52E-07	1.12E-07	2.53E-06	1.30E-06
254	488249.44, 3856739.39	5.83E-02	1.84E-05	2.43E-06	2.95E-02	9.31E-06	1.23E-06	1.74E-03	5.49E-07	7.25E-08	2.64E-03	8.32E-07	1.10E-07	2.47E-06	1.27E-06
255	488299.44, 3856739.39	5.70E-02	1.80E-05	2.38E-06	2.89E-02	9.11E-06	1.20E-06	1.72E-03	5.42E-07	7.15E-08	2.58E-03	8.13E-07	1.07E-07	2.41E-06	1.24E-06
256	488349.44, 3856739.39	5.57E-02	1.76E-05	2.32E-06	2.82E-02	8.90E-06	1.18E-06	1.71E-03	5.39E-07	7.11E-08	2.52E-03	7.95E-07	1.05E-07	2.35E-06	1.21E-06
257	488399.44, 3856739.39	5.44E-02	1.72E-05	2.27E-06	2.76E-02	8.71E-06	1.15E-06	1.70E-03	5.36E-07	7.07E-08	2.46E-03	7.78E-07	1.03E-07	2.30E-06	1.18E-06
258	487999.44, 3856789.39	7.58E-02	2.39E-05	3.16E-06	3.81E-02	1.20E-05	1.59E-06	1.87E-03	5.91E-07	7.81E-08	3.09E-03	9.76E-07	1.29E-07	3.21E-06	1.64E-06
259	488049.44, 3856789.39	7.10E-02	2.24E-05	2.96E-06	3.58E-02	1.13E-05	1.49E-06	1.85E-03	5.85E-07	7.72E-08	3.00E-03	9.47E-07	1.25E-07	3.01E-06	1.54E-06
260	488099.44, 3856789.39	6.76E-02	2.13E-05	2.82E-06	3.41E-02	1.08E-05	1.42E-06	1.84E-03	5.80E-07	7.66E-08	2.92E-03	9.21E-07	1.22E-07	2.86E-06	1.46E-06
261	488149.44, 3856789.39	6.50E-02	2.05E-05	2.71E-06	3.28E-02	1.04E-05	1.37E-06	1.82E-03	5.74E-07	7.57E-08	2.84E-03	8.97E-07	1.18E-07	2.75E-06	1.41E-06
262	488199.44, 3856789.39	6.28E-02	1.98E-05	2.62E-06	3.17E-02	1.00E-05	1.32E-06	1.80E-03	5.68E-07	7.50E-08	2.77E-03	8.74E-07	1.15E-07	2.66E-06	1.36E-06
263	488249.44, 3856789.39	6.09E-02	1.92E-05	2.54E-06	3.08E-02	9.73E-06	1.28E-06	1.78E-03	5.62E-07	7.41E-08	2.70E-03	8.53E-07	1.13E-07	2.58E-06	1.32E-06
264	488299.44, 3856789.39	5.94E-02	1.87E-05	2.47E-06	3.00E-02	9.48E-06	1.25E-06	1.76E-03	5.55E-07	7.32E-08	2.64E-03	8.33E-07	1.10E-07	2.51E-06	1.29E-06
265	488349.44, 3856789.39	5.78E-02	1.82E-05	2.41E-06	2.92E-02	9.23E-06	1.22E-06	1.75E-03	5.52E-07	7.28E-08	2.58E-03	8.13E-07	1.07E-07	2.44E-06	1.25E-06
266	488399.44, 3856789.39	5.63E-02	1.78E-05	2.35E-06	2.85E-02	9.01E-06	1.19E-06	1.73E-03	5.47E-07	7.22E-08	2.52E-03	7.95E-07	1.05E-07	2.38E-06	1.22E-06
267	487949.44, 3856839.39	8.86E-02	2.80E-05	3.69E-06	4.44E-02	1.40E-05	1.85E-06	1.94E-03	6.13E-07	8.09E-08	3.30E-03	1.04E-06	1.37E-07	3.75E-06	1.91E-06
268	487999.44, 3856839.39	8.10E-02	2.56E-05	3.38E-06	4.07E-02	1.28E-05	1.69E-06	1.92E-03	6.06E-07	7.99E-08	3.19E-03	1.01E-06	1.33E-07	3.43E-06	1.75E-06
269	488049.44, 3856839.39	7.56E-02	2.39E-05	3.15E-06	3.80E-02	1.20E-05	1.58E-06	1.90E-03	5.99E-07	7.90E-08	3.09E-03	9.77E-07	1.29E-07	3.20E-06	1.63E-06
270	488099.44, 3856839.39	7.15E-02	2.26E-05	2.98E-06	3.60E-02	1.14E-05	1.50E-06	1.88E-03	5.93E-07	7.83E-08	3.01E-03	9.49E-07	1.25E-07	3.03E-06	1.55E-06
271	488149.44, 3856839.39	6.84E-02	2.16E-05	2.85E-06	3.45E-02	1.09E-05	1.44E-06	1.86E-03	5.87E-07	7.75E-08	2.92E-03	9.23E-07	1.22E-07	2.89E-06	1.48E-06
272	488199.44, 3856839.39	6.58E-02	2.08E-05	2.74E-06	3.32E-02	1.05E-05	1.38E-06	1.84E-03	5.81E-07	7.67E-08	2.85E-03	8.98E-07	1.19E-07	2.78E-06	1.42E-06
273	487949.44, 3856889.39	9.42E-02	2.97E-05	3.92E-06	4.71E-02	1.49E-05	1.96E-06	1.99E-03	6.27E-07	8.28E-08	3.41E-03	1.08E-06	1.42E-07	3.98E-06	2.02E-06
274	487999.44, 3856889.39	8.57E-02	2.71E-05	3.57E-06	4.30E-02	1.36E-05	1.79E-06	1.97E-03	6.21E-07	8.20E-08	3.30E-03	1.04E-06	1.38E-07	3.63E-06	1.85E-06
275	488049.44, 3856889.39	7.99E-02	2.52E-05	3.33E-06	4.01E-02	1.27E-05	1.67E-06	1.94E-03	6.13E-07	8.09E-08	3.20E-03	1.01E-06	1.33E-07	3.38E-06	1.72E-06
276	488099.44, 3856889.39	7.53E-02	2.38E-05	3.14E-06	3.79E-02	1.20E-05	1.58E-06	1.92E-03	6.07E-07	8.01E-08	3.10E-03	9.78E-07	1.29E-07	3.19E-06	1.63E-06
277	488635.86, 3857895.05	7.99E-02	2.52E-05	3.33E-06	4.10E-02	1.30E-05	1.71E-06	3.33E-03	1.05E-06	1.39E-07	4.70E-03	1.48E-06	1.96E-07	3.39E-06	1.77E-06
278	489137.64, 3857804.15	6.13E-02	1.93E-05	2.55E-06	3.14E-02	9.92E-06	1.31E-06	2.50E-03	7.90E-07	1.04E-07	3.00E-03	9.47E-07	1.25E-07	2.57E-06	1.33E-06

279	488617.32, 3857859.41	7.87E-02	2.48E-05	3.28E-06	4.04E-02	1.27E-05	1.68E-06	3.24E-03	1.02E-06	1.35E-07	4.60E-03	1.45E-06	1.92E-07	3.33E-06	1.74E-06
280	488667.32, 3857859.41	7.63E-02	2.41E-05	3.18E-06	3.92E-02	1.24E-05	1.63E-06	3.16E-03	9.99E-07	1.32E-07	4.39E-03	1.38E-06	1.83E-07	3.23E-06	1.68E-06
281	488717.32, 3857859.41	7.43E-02	2.34E-05	3.09E-06	3.81E-02	1.20E-05	1.59E-06	3.09E-03	9.75E-07	1.29E-07	4.19E-03	1.32E-06	1.75E-07	3.14E-06	1.64E-06
282	488767.32, 3857859.41	7.24E-02	2.28E-05	3.02E-06	3.72E-02	1.17E-05	1.55E-06	3.03E-03	9.56E-07	1.26E-07	4.02E-03	1.27E-06	1.68E-07	3.06E-06	1.59E-06
283	488617.32, 3857909.41	8.19E-02	2.58E-05	3.41E-06	4.20E-02	1.33E-05	1.75E-06	3.41E-03	1.08E-06	1.42E-07	4.86E-03	1.54E-06	2.03E-07	3.47E-06	1.81E-06
284	488667.32, 3857909.41	7.93E-02	2.50E-05	3.30E-06	4.07E-02	1.29E-05	1.70E-06	3.33E-03	1.05E-06	1.39E-07	4.63E-03	1.46E-06	1.93E-07	3.36E-06	1.75E-06
285	488717.32, 3857909.41	7.72E-02	2.44E-05	3.21E-06	3.97E-02	1.25E-05	1.65E-06	3.24E-03	1.02E-06	1.35E-07	4.41E-03	1.39E-06	1.84E-07	3.26E-06	1.70E-06
286	488767.32, 3857909.41	7.53E-02	2.38E-05	3.14E-06	3.87E-02	1.22E-05	1.61E-06	3.17E-03	1.00E-06	1.32E-07	4.22E-03	1.33E-06	1.76E-07	3.18E-06	1.65E-06
287	488417.32, 3857959.41	1.03E-01	3.26E-05	4.31E-06	5.29E-02	1.67E-05	2.20E-06	4.02E-03	1.27E-06	1.67E-07	6.71E-03	2.12E-06	2.79E-07	4.42E-06	2.32E-06
288	488467.32, 3857959.41	9.76E-02	3.08E-05	4.07E-06	5.00E-02	1.58E-05	2.08E-06	3.90E-03	1.23E-06	1.63E-07	6.23E-03	1.97E-06	2.60E-07	4.16E-06	2.18E-06
289	488517.32, 3857959.41	9.29E-02	2.93E-05	3.87E-06	4.77E-02	1.51E-05	1.99E-06	3.80E-03	1.20E-06	1.58E-07	5.84E-03	1.84E-06	2.43E-07	3.96E-06	2.07E-06
290	488567.32, 3857959.41	8.90E-02	2.81E-05	3.71E-06	4.57E-02	1.44E-05	1.90E-06	3.70E-03	1.17E-06	1.54E-07	5.48E-03	1.73E-06	2.28E-07	3.78E-06	1.98E-06
291	488617.32, 3857959.41	8.58E-02	2.71E-05	3.57E-06	4.41E-02	1.39E-05	1.84E-06	3.60E-03	1.14E-06	1.50E-07	5.17E-03	1.63E-06	2.15E-07	3.64E-06	1.90E-06
292	488667.32, 3857959.41	8.30E-02	2.62E-05	3.46E-06	4.27E-02	1.35E-05	1.78E-06	3.50E-03	1.11E-06	1.46E-07	4.90E-03	1.55E-06	2.04E-07	3.52E-06	1.84E-06
293	488717.32, 3857959.41	8.07E-02	2.55E-05	3.36E-06	4.15E-02	1.31E-05	1.73E-06	3.42E-03	1.08E-06	1.42E-07	4.66E-03	1.47E-06	1.94E-07	3.41E-06	1.78E-06
294	488767.32, 3857959.41	7.89E-02	2.49E-05	3.29E-06	4.06E-02	1.28E-05	1.69E-06	3.33E-03	1.05E-06	1.39E-07	4.44E-03	1.40E-06	1.85E-07	3.33E-06	1.74E-06
295	488417.32, 3858009.41	1.12E-01	3.54E-05	4.67E-06	5.73E-02	1.81E-05	2.39E-06	4.29E-03	1.35E-06	1.79E-07	7.32E-03	2.31E-06	3.05E-07	4.80E-06	2.52E-06
296	488467.32, 3858009.41	1.05E-01	3.31E-05	4.36E-06	5.37E-02	1.69E-05	2.24E-06	4.16E-03	1.31E-06	1.73E-07	6.77E-03	2.14E-06	2.82E-07	4.47E-06	2.34E-06
297	488517.32, 3858009.41	9.90E-02	3.12E-05	4.12E-06	5.08E-02	1.60E-05	2.12E-06	4.04E-03	1.27E-06	1.68E-07	6.29E-03	1.99E-06	2.62E-07	4.22E-06	2.21E-06
298	488567.32, 3858009.41	9.43E-02	2.98E-05	3.93E-06	4.85E-02	1.53E-05	2.02E-06	3.93E-03	1.24E-06	1.64E-07	5.89E-03	1.86E-06	2.45E-07	4.01E-06	2.10E-06
299	488617.32, 3858009.41	9.06E-02	2.86E-05	3.78E-06	4.66E-02	1.47E-05	1.94E-06	3.81E-03	1.20E-06	1.59E-07	5.52E-03	1.74E-06	2.30E-07	3.85E-06	2.01E-06
300	488667.32, 3858009.41	8.77E-02	2.77E-05	3.65E-06	4.51E-02	1.42E-05	1.88E-06	3.70E-03	1.17E-06	1.54E-07	5.20E-03	1.64E-06	2.17E-07	3.72E-06	1.94E-06
301	488717.32, 3858009.41	8.54E-02	2.69E-05	3.56E-06	4.39E-02	1.38E-05	1.83E-06	3.60E-03	1.14E-06	1.50E-07	4.93E-03	1.56E-06	2.05E-07	3.61E-06	1.88E-06
302	488767.32, 3858009.41	8.38E-02	2.65E-05	3.49E-06	4.31E-02	1.36E-05	1.79E-06	3.51E-03	1.11E-06	1.46E-07	4.69E-03	1.48E-06	1.95E-07	3.54E-06	1.84E-06
303	488417.32, 3858059.41	1.24E-01	3.93E-05	5.18E-06	6.35E-02	2.01E-05	2.65E-06	4.61E-03	1.45E-06	1.92E-07	8.08E-03	2.55E-06	3.37E-07	5.33E-06	2.79E-06
304	488467.32, 3858059.41	1.14E-01	3.61E-05	4.76E-06	5.85E-02	1.85E-05	2.44E-06	4.46E-03	1.41E-06	1.86E-07	7.41E-03	2.34E-06	3.09E-07	4.88E-06	2.56E-06
305	488517.32, 3858059.41	1.07E-01	3.37E-05	4.45E-06	5.48E-02	1.73E-05	2.28E-06	4.32E-03	1.36E-06	1.80E-07	6.83E-03	2.16E-06	2.85E-07	4.56E-06	2.39E-06
306	488567.32, 3858059.41	1.01E-01	3.19E-05	4.22E-06	5.20E-02	1.64E-05	2.16E-06	4.19E-03	1.32E-06	1.74E-07	6.36E-03	2.01E-06	2.65E-07	4.31E-06	2.26E-06
307	488617.32, 3858059.41	9.69E-02	3.06E-05	4.04E-06	4.98E-02	1.57E-05	2.07E-06	4.06E-03	1.28E-06	1.69E-07	5.94E-03	1.88E-06	2.48E-07	4.11E-06	2.15E-06
308	488667.32, 3858059.41	9.37E-02	2.96E-05	3.91E-06	4.82E-02	1.52E-05	2.01E-06	3.94E-03	1.24E-06	1.64E-07	5.57E-03	1.76E-06	2.32E-07	3.97E-06	2.07E-06
309	488417.32, 3858109.41	1.44E-01	4.55E-05	6.00E-06	7.33E-02	2.31E-05	3.06E-06	4.95E-03	1.56E-06	2.06E-07	8.95E-03	2.82E-06	3.73E-07	6.17E-06	3.22E-06
310	488467.32, 3858109.41	1.28E-01	4.05E-05	5.34E-06	6.55E-02	2.07E-05	2.73E-06	4.79E-03	1.51E-06	1.99E-07	8.15E-03	2.57E-06	3.39E-07	5.48E-06	2.87E-06
311	488517.32, 3858109.41	1.18E-01	3.72E-05	4.91E-06	6.03E-02	1.90E-05	2.51E-06	4.63E-03	1.46E-06	1.93E-07	7.48E-03	2.36E-06	3.12E-07	5.02E-06	2.63E-06
312	488567.32, 3858109.41	1.10E-01	3.49E-05	4.60E-06	5.67E-02	1.79E-05	2.36E-06	4.48E-03	1.41E-06	1.87E-07	6.91E-03	2.18E-06	2.88E-07	4.70E-06	2.46E-06
313	488617.32, 3858109.41	1.05E-01	3.33E-05	4.39E-06	5.41E-02	1.71E-05	2.25E-06	4.34E-03	1.37E-06	1.81E-07	6.41E-03	2.02E-06	2.67E-07	4.48E-06	2.34E-06
314	488667.32, 3858109.41	1.02E-01	3.23E-05	4.27E-06	5.26E-02	1.66E-05	2.19E-06	4.19E-03	1.32E-06	1.75E-07	5.98E-03	1.89E-06	2.49E-07	4.34E-06	2.26E-06
315	488769.93, 3858449.27	1.24E-01	3.91E-05	5.15E-06	6.45E-02	2.04E-05	2.69E-06	6.67E-03	2.11E-06	2.78E-07	9.46E-03	2.99E-06	3.94E-07	5.27E-06	2.80E-06
316	488819.93, 3858449.27	1.14E-01	3.60E-05	4.75E-06	5.95E-02	1.88E-05	2.48E-06	6.31E-03	1.99E-06	2.63E-07	8.52E-03	2.69E-06	3.55E-07	4.84E-06	2.57E-06
317	488819.93, 3858499.27	1.33E-01	4.21E-05	5.55E-06	6.94E-02	2.19E-05	2.89E-06	7.01E-03	2.21E-06	2.92E-07	9.57E-03	3.02E-06	3.99E-07	5.66E-06	3.00E-06
318	488869.93, 3858499.27	1.19E-01	3.76E-05	4.96E-06	6.22E-02	1.96E-05	2.59E-06	6.61E-03	2.09E-06	2.75E-07	8.62E-03	2.72E-06	3.59E-07	5.04E-06	2.67E-06
319	488869.93, 3858549.27	1.41E-01	4.46E-05	5.89E-06	7.35E-02	2.32E-05	3.06E-06	7.39E-03	2.33E-06	3.08E-07	9.70E-03	3.06E-06	4.04E-07	5.98E-06	3.16E-06
320	489438.17, 3859571.48	7.08E-02	2.24E-05	2.95E-06	3.68E-02	1.16E-05	1.53E-06	3.65E-03	1.15E-06	1.52E-07	3.65E-03	1.15E-06	1.52E-07	2.95E-06	1.53E-06
321	489488.17, 3859571.48	6.79E-02	2.14E-05	2.83E-06	3.56E-02	1.12E-05	1.48E-06	3.99E-03	1.26E-06	1.66E-07	4.01E-03	1.26E-06	1.67E-07	2.83E-06	1.48E-06
322	489538.17, 3859571.48	6.58E-02	2.08E-05	2.74E-06	3.49E-02	1.10E-05	1.45E-06	4.41E-03	1.39E-06	1.84E-07	4.44E-03	1.40E-06	1.85E-07	2.74E-06	1.45E-06
323	489588.17, 3859571.48	6.43E-02	2.03E-05	2.68E-06	3.45E-02	1.09E-05	1.44E-06	4.93E-03	1.56E-06	2.05E-07	4.97E-03	1.57E-06	2.07E-07	2.68E-06	1.44E-06
324	489438.17, 3859621.48	6.98E-02	2.20E-05	2.91E-06	3.60E-02	1.14E-05	1.50E-06	3.15E-03	9.95E-07	1.31E-07	3.16E-03	9.97E-07	1.32E-07	2.91E-06	1.50E-06
325	489488.17, 3859621.48	6.62E-02	2.09E-05	2.76E-06	3.44E-02	1.09E-05	1.43E-06	3.40E-03	1.07E-06	1.42E-07	3.41E-03	1.08E-06	1.42E-07	2.76E-06	1.43E-06
326	489538.17, 3859621.48	6.36E-02	2.01E-05	2.65E-06	3.33E-02	1.05E-05	1.39E-06	3.69E-03	1.16E-06	1.54E-07	3.71E-03	1.17E-06	1.55E-07	2.65E-06	1.39E-06
327	489588.17, 3859621.48	6.17E-02	1.95E-05	2.57E-06	3.27E-02	1.03E-05	1.36E-06	4.05E-03	1.28E-06	1.69E-07	4.09E-03	1.29E-06	1.70E-07	2.57E-06	1.36E-06
328	489238.17, 3859671.48	1.07E-01	3.39E-05	4.47E-06	5.37E-02	1.69E-05	2.24E-06	2.23E-03	7.05E-07	9.31E-08	2.23E-03	7.03E-07	9.28E-08	4.47E-06	2.24E-06
329	489288.17, 3859671.48	8.95E-02	2.82E-05	3.73E-06	4.51E-02	1.42E-05	1.88E-06	2.35E-03	7.40E-07	9.77E-08	2.34E-03	7.39E-07	9.76E-08	3.73E-06	1.88E-06
330	489338.17, 3859671.48	7.89E-02	2.49E-05	3.29E-06	4.00E-02	1.26E-05	1.67E-06	2.47E-03	7.81E-07	1.03E-07	2.47E-03	7.81E-07	1.03E-07	3.29E-06	1.67E-06
331	489388.17, 3859671.48	7.21E-02	2.28E-05	3.00E-06	3.68E-02	1.16E-05	1.53E-06	2.62E-03	8.28E-07	1.09E-07	2.63E-03	8.29E-07	1.09E-07	3.01E-06	1.53E-06
332	489438.17, 3859671.48	6.73E-02	2.13E-05	2.81E-06	3.46E-02	1.09E-05	1.44E-06	2.78E-03	8.78E-07	1.16E-07	2.79E-03	8.81E-07	1.16E-07	2.81E-06	1.44E-06
333	489488.17, 3859671.48	6.39E-02	2.02E-05	2.66E-06	3.30E-02	1.04E-05	1.38E-06	2.97E-03	9.39E-07	1.24E-07	2.99E-03	9.44E-07	1.25E-07	2.66E-06	1.38E-06
334	489538.17, 3859671.48	6.13E-02	1.93E-05	2.55E-06	3.19E-02	1.01E-05	1.33E-06	3.19E-03	1.01E-06	1.33E-07	3.21E-03	1.01E-06	1.34E-07	2.55E-06	1.33E-06
335	489588.17, 3859671.48	5.93E-02	1.87E-05	2.47E-06	3.11E-02	9.81E-06	1.29E-06	3.45E-03	1.09E-06	1.44E-07	3.48E-03	1.10E-06	1.45E-07	2.47E-06	1.30E-06
336	489238.17, 3859721.48	9.54E-02	3.01E-05	3.98E-06	4.78E-02	1.51E-05	1.99E-06	2.06E-03	6.49E-07	8.56E-08	2.05E-03	6.48E-07	8.55E-08	3.98E-06	1.99E-06
337	489288.17, 3859721.48	8.08E-02	2.55E-05	3.37E-06	4.07E-02	1.29E-05	1.70E-06	2.15E-03	6.79E-07	8.97E-08	2.15E-03	6.80E-07	8.97E-08	3.37E-06	1.70E-06
338	489338.17, 3859721.48	7.27E-02	2.29E-05	3.03E-06	3.68E-02	1.16E-05	1.53E-06	2.26E-03	7.12E-07	9.40E-08	2.26E-03	7.14E-07	9.42E-08	3.03E-06	1.53E-06
339	489388.17, 3859721.48	6.74E-02	2.13E-05	2.81E-06	3.44E-02	1.08E-05	1.43E-06	2.37E-03	7.49E-07	9.88E-08	2.38E-03	7.51E-07	9.91E-08	2.81E-06	1.43E-06
340	489438.17, 3859721.48	6.37E-02	2.01E-05	2.66E-06	3.26E-02	1.03E-05	1.36E-06	2.50E-03	7.89E-07	1.04E-07	2.51E-03	7.93E-07	1.05E-07	2.66E-06	1.36E-06
341	489488.17, 3859721.48	6.10E-02	1.92E-05	2.54E-06	3.14E-02	9.91E-06	1.31E-06	2.65E-03	8.36E-07	1.10E-07	2.67E-03	8.42E-07	1.11E-07	2.54E-06	1.31E-06
342	489538.17, 3859721.48	5.88E-02	1.86E-05	2.45E-06	3.04E-02	9.60E-06	1.27E-06	2.82E-03	8.89E-07	1.17E-07	2.84E-03	8.96E-07	1.18E-07	2.45E-06	1.27E-06
343	489588.17, 3859721.48	5.70E-02	1.80E-05	2.38E-06	2.97E-02	9.38E-06	1.24E-06	3.01E-03	9.49E-07	1.25E-07	3.04E-03	9.58E-07	1.26E-07	2.38E-06	1.24E-06
344	489238.17, 3859771.48	7.38E-02	2.33E-05	3.07E-06	3.72E-02	1.17E-05	1.55E-06	1.91E-03	6.02E-07	7.94E-08	1.91E-03	6.02E-07	7.94E-08	3.07E-06	1.55E-06
345	489288.17, 3859771.48	6.91E-02	2.18E-05	2.88E-06	3.49E-02	1.10E-05	1.46E-06	1.99E-03	6.27E-07	8.28E-08	1.99E-03	6.29E-07	8.30E-08	2.88E-06	1.46E-06
346	489338.17, 3859771.48	6.55E-02	2.07E-05	2.73E-06	3.32E-02	1.05E-05	1.38E-06	2.07E-03	6.54E-07	8.63E-08	2.08E-03	6.57E-07	8.67E-08	2.73E-06	1.38E-06
347	489388.17, 3859771.48	6.27E-02	1.98E-05	2.61E-06	3.19E-02	1.01E-05	1.33E-06	2.17E-03	6.84E-07	9.03E-08	2.18E-03	6.88E-07	9.08E-08	2.61E-06	1.33E-06
348	489438.17, 3859771.48	6.03E-02	1.90E-05	2.51E-06	3.08E-02	9.73E-06	1.28E-06	2.27E-03	7.16E-07	9.46E-08	2.29E-03	7.21E-07	9.52E-08	2.51E-06	1.28E-06
349	489488.17, 3859771.48	5.84E-02	1.84E-05	2.43E-06	3.00E-02	9.46E-06	1.25E-06	2.39E-03	7.55E-07	9.97E-08	2.41E-03	7.61E-07	1.00E-07	2.43E-06	1.25E-06
350	489538.17, 3859771.48	5.67E-02	1.79E-05	2.36E-06	2.92E-02	9.23E-06	1.22E-06	2.52E-03	7.96E-07	1.05E-07	2.55E-03	8.04E-07	1.06E-07	2.36E-06	1.22E-06
351	489588.17, 3859771.48	5.53E-02	1.74E-05	2.30E-06	2.86E-02	9.03E-06	1.19E-06	2.67E-03	8.42E-07	1.11E-07	2.70E-03	8.51E-07	1.12E-07	2.30E-06	1.19E-06
352	489238.17, 3859821.48	6.61E-02	2.09E-05	2.75E-06	3.33E-02	1.05E-05	1.39E-06	1.78E-03	5.62E-07	7.41E-08	1.78E-03	5.62E-07	7.42E-08	2.75E-06	1.39E-06
353	489288.17, 3859821.48	6.36E-02	2.01E-05	2.65E-06	3.22E-02	1.01E-05	1.34E-06	1.85E-03	5.83E-07	7.70E-08	1.85E-03	5.85E-07	7.73E-08	2.65E-06	1.34E-06
354	489338.17, 3859821.48	6.17E-02	1.95E-05	2.57E-06	3.13E-02	9.88E-06	1.30E-06	1.92E-03	6.06E-07	7.99E-08	1.93E-03	6.09E-07	8.04E-08	2.57E-06	1.30E-06
355	489388.17, 3859821.48	6.01E-02	1.90E-05	2.50E-06	3.05E-02	9.63E-06	1.27E-06	2.00E-03	6.31E-07	8.33E-08	2.01E-03	6.35E-07	8.38E-08	2.50E-06	1.27E-06
356	489438.17, 3859821.48	5.85E-02	1.85E-05	2.44E-06	2.98E-02	9.41E-06	1.24E-06	2.09E-03	6.59E-07	8.69E-08	2.11E-03	6.65E-07	8.77E-08	2.44E-06	1.24E-06
357	489488.17, 3859821.48	5.70E-02	1.80E-05	2.37E-06	2.92E-02	9.20E-06	1.21E-06	2.18E-03	6.89E-07	9.10E-08	2.21E-03	6.96E-07	9.19E-08	2.38E-06	1.22E-06
358	489538.17, 3859821.48	5.56E-02	1.75E-05	2.32E-06	2.85E-02	9.00E-06	1.19E-06	2.29E-03	7.22E-07	9.53E-08	2.31E-03	7.29E-07	9.63E-08	2.32E-06	1.19E-06
359	489588.17, 3859821.48	5.42E-02	1.71E-05	2.26E-06	2.79E-02	8.82E-06	1.16E-06	2.40E-03	7.57E-07	1.00E-07	2.43E-03	7.67E-07	1.01E-07	2.26E-06	1.17E-06
360	489238.17, 3859871.48	6.71E-02	2.12E-05	2.80E-06	3.38E-02	1.07E-05	1.41E-06	1.67E-03	5.27E-07	6.96E-08	1.67E-03	5.28E-07	6.97E-08	2.80E-06	1.41E-06
361	489288.17, 3859871.48	6.44E-02	2.03E-05	2.68E-06	3.25E-02	1.02E-05	1.35E-06	1.73E-03	5.45E-07	7.20E-08	1.74E-03	5.48E-07	7.23E-08	2.68E-06	1.35E-06
362	489338.17, 3859871.48	6.24E-02	1.97E-05	2.60E-06	3.15E-02	9.94E-06	1.31E-06	1.79E-03	5.65E-07	7.45E-08	1.80E-03	5.68E-07	7.50E-08	2.60E-06	1.31E-06
363	489388.17, 3859871.48	6.05E-02	1.91E-05	2.52E-06	3.07E-02	9.68E-06	1.28E-06	1.86E-03	5.86E-07	7.74E-08	1.87E-03	5.91E-07	7.81E-08	2.52E-06	1.28E-06
364	489438.17, 3859871.48	5.88E-02	1.86E-05	2.45E-06	2.99E-02	9.43E-06	1.24E-06	1.93E-03	6.10E-07	8.05E-08	1.95E-03	6.16E-07	8.13E-08	2.45E-06	1.25E-06
365	489488.17, 3859871.48	5.72E-02	1.81E-05	2.38E-06	2.91E-02	9.20E-06	1.21E-06	2.01E-03	6.34E-07	8.37E-08	2.03E-03	6.41E-07	8.46E-08	2.38E-06	1.22E-06
366	489538.17, 3859871.48	5.56E-02	1.75E-05	2.32E-06	2.84E-02	8.96E-06	1.18E-06	2.09E-03	6.60E-07	8.71E-08	2.12E-03	6.68E-07	8.82E-08	2.32E-06	1.18E-06
367	489588.17, 3859871.48	5.41E-02	1.71E-05	2.25E-06	2.77E-02	8.76E-06	1.16E-06	2.18E-03	6.89E-07	9.09E-08	2.21E-03	6.98E-07	9.21E-08	2.25E-06	1.16E-06
368	489238.17, 3859921.48	7.58E-02	2.39E-05	3.16E-06	3.79E-02	1.20E-05	1.58E-06	1.58E-03	4.98E-07	6.57E-08	1.58E-03	4.99E-07	6.58E-08	3.16E-06	1.58E-06
369	489288.17, 3859921.48	7.09E-02	2.24E-05	2.96E-06	3.56E-02	1.12E-05	1.48E-06	1.63E-03	5.14E-07	6.78E-08	1.64E-03	5.16E-07	6.81E-08	2.96E-06	1.48E-06
370	489338.17, 3859921.48	6.70E-02	2.12E-05	2.79E-06	3.37E-02	1.06E-05	1.40E-06	1.68E-03	5.31E-07	7.00E-08	1.69E-03	5.34E-07	7.05E-08	2.79E-06	1.40E-06
371	489388.17, 3859921.48	6.38E-02	2.01E-05	2.66E-06	3.22E-02	1.02E-05	1.34E-06	1.74E-03	5.49E-07	7.24E-08	1.75E-03	5.54E-07	7.31E-08	2.66E-06	1.34E-06
372	489438.17, 3859921.48	6.11E-02	1.93E-05	2.54E-06	3.09E-02	9.75E-06	1.29E-06	1.80E-03	5.67E-07	7.49E-08	1.82E-03	5.73E-07	7.57E-08	2.55E-06	1.29E-06

373	489488.17, 3859921.48	5.87E-02	1.85E-05	2.44E-06	2.98E-02	9.39E-06	1.24E-06	1.86E-03	5.86E-07	7.74E-08	1.88E-03	5.93E-07	7.83E-08	2.45E-06	1.24E-06
374	489538.17, 3859921.48	5.65E-02	1.78E-05	2.36E-06	2.88E-02	9.08E-06	1.20E-06	1.93E-03	6.08E-07	8.02E-08	1.95E-03	6.16E-07	8.13E-08	2.36E-06	1.20E-06
375	489588.17, 3859921.48	5.47E-02	1.73E-05	2.28E-06	2.79E-02	8.80E-06	1.16E-06	1.99E-03	6.28E-07	8.29E-08	2.02E-03	6.37E-07	8.41E-08	2.28E-06	1.16E-06
376	489238.17, 3859971.48	9.63E-02	3.04E-05	4.01E-06	4.78E-02	1.51E-05	1.99E-06	1.50E-03	4.72E-07	6.23E-08	1.50E-03	4.73E-07	6.25E-08	4.01E-06	1.99E-06
377	489288.17, 3859971.48	8.23E-02	2.60E-05	3.43E-06	4.10E-02	1.29E-05	1.71E-06	1.54E-03	4.86E-07	6.41E-08	1.55E-03	4.88E-07	6.45E-08	3.43E-06	1.71E-06
378	489338.17, 3859971.48	7.40E-02	2.33E-05	3.08E-06	3.70E-02	1.17E-05	1.54E-06	1.59E-03	5.00E-07	6.60E-08	1.60E-03	5.04E-07	6.66E-08	3.08E-06	1.54E-06
379	489388.17, 3859971.48	6.83E-02	2.16E-05	2.85E-06	3.43E-02	1.08E-05	1.43E-06	1.63E-03	5.15E-07	6.80E-08	1.65E-03	5.20E-07	6.87E-08	2.85E-06	1.43E-06
380	489438.17, 3859971.48	6.42E-02	2.03E-05	2.67E-06	3.23E-02	1.02E-05	1.35E-06	1.67E-03	5.27E-07	6.96E-08	1.69E-03	5.34E-07	7.05E-08	2.67E-06	1.35E-06
381	489488.17, 3859971.48	6.09E-02	1.92E-05	2.54E-06	3.08E-02	9.71E-06	1.28E-06	1.69E-03	5.34E-07	7.05E-08	1.73E-03	5.45E-07	7.19E-08	2.54E-06	1.28E-06
382	489538.17, 3859971.48	5.82E-02	1.84E-05	2.42E-06	2.94E-02	9.29E-06	1.23E-06	1.72E-03	5.42E-07	7.15E-08	1.75E-03	5.54E-07	7.31E-08	2.43E-06	1.23E-06
383	489588.17, 3859971.48	5.58E-02	1.76E-05	2.32E-06	2.83E-02	8.93E-06	1.18E-06	1.75E-03	5.51E-07	7.28E-08	1.79E-03	5.64E-07	7.44E-08	2.33E-06	1.18E-06
384	483577.7, 3854071	9.08E-02	2.87E-05	3.78E-06	4.65E-02	1.47E-05	1.94E-06	3.63E-03	1.15E-06	1.51E-07	8.90E-03	2.81E-06	3.71E-07	4.00E-06	2.16E-06
385	483627.7, 3854071	7.91E-02	2.50E-05	3.30E-06	4.07E-02	1.29E-05	1.70E-06	3.42E-03	1.08E-06	1.42E-07	8.11E-03	2.56E-06	3.38E-07	3.49E-06	1.89E-06
386	483677.7, 3854071	7.12E-02	2.25E-05	2.97E-06	3.68E-02	1.16E-05	1.53E-06	3.23E-03	1.02E-06	1.34E-07	7.44E-03	2.35E-06	3.10E-07	3.14E-06	1.71E-06
387	483727.7, 3854071	6.54E-02	2.06E-05	2.72E-06	3.38E-02	1.07E-05	1.41E-06	3.05E-03	9.63E-07	1.27E-07	6.88E-03	2.17E-06	2.87E-07	2.88E-06	1.57E-06
388	483777.7, 3854071	6.09E-02	1.92E-05	2.54E-06	3.15E-02	9.94E-06	1.31E-06	2.87E-03	9.06E-07	1.20E-07	6.35E-03	2.00E-06	2.64E-07	2.68E-06	1.46E-06
389	483577.7, 3854121	9.43E-02	2.98E-05	3.93E-06	4.83E-02	1.52E-05	2.01E-06	3.66E-03	1.16E-06	1.53E-07	1.07E-02	3.39E-06	4.48E-07	4.23E-06	2.31E-06
390	483627.7, 3854121	8.26E-02	2.61E-05	3.44E-06	4.24E-02	1.34E-05	1.77E-06	3.42E-03	1.08E-06	1.43E-07	9.57E-03	3.02E-06	3.98E-07	3.70E-06	2.02E-06
391	483677.7, 3854121	7.47E-02	2.36E-05	3.11E-06	3.84E-02	1.21E-05	1.60E-06	3.19E-03	1.01E-06	1.33E-07	8.58E-03	2.71E-06	3.58E-07	3.34E-06	1.83E-06
392	483727.7, 3854121	6.90E-02	2.18E-05	2.87E-06	3.55E-02	1.12E-05	1.48E-06	2.99E-03	9.43E-07	1.25E-07	7.76E-03	2.45E-06	3.23E-07	3.07E-06	1.68E-06
393	483777.7, 3854121	6.44E-02	2.03E-05	2.68E-06	3.32E-02	1.05E-05	1.38E-06	2.83E-03	8.93E-07	1.18E-07	7.12E-03	2.25E-06	2.97E-07	2.86E-06	1.56E-06
394	483577.7, 3854171	9.92E-02	3.13E-05	4.13E-06	5.06E-02	1.60E-05	2.11E-06	3.64E-03	1.15E-06	1.52E-07	1.32E-02	4.18E-06	5.52E-07	4.53E-06	2.51E-06
395	483627.7, 3854171	8.73E-02	2.76E-05	3.64E-06	4.47E-02	1.41E-05	1.86E-06	3.37E-03	1.06E-06	1.40E-07	1.14E-02	3.61E-06	4.76E-07	3.97E-06	2.20E-06
396	483677.7, 3854171	7.92E-02	2.50E-05	3.30E-06	4.06E-02	1.28E-05	1.69E-06	3.15E-03	9.93E-07	1.31E-07	1.01E-02	3.18E-06	4.20E-07	3.59E-06	1.98E-06
397	483727.7, 3854171	7.32E-02	2.31E-05	3.05E-06	3.76E-02	1.19E-05	1.56E-06	2.96E-03	9.35E-07	1.23E-07	9.03E-03	2.85E-06	3.76E-07	3.30E-06	1.82E-06
398	483777.7, 3854171	6.85E-02	2.16E-05	2.86E-06	3.52E-02	1.11E-05	1.47E-06	2.80E-03	8.83E-07	1.16E-07	8.15E-03	2.57E-06	3.39E-07	3.08E-06	1.69E-06
399	483827.7, 3854171	6.48E-02	2.05E-05	2.70E-06	3.32E-02	1.05E-05	1.38E-06	2.62E-03	8.26E-07	1.09E-07	7.34E-03	2.32E-06	3.06E-07	2.90E-06	1.58E-06
400	483877.7, 3854171	6.15E-02	1.94E-05	2.56E-06	3.15E-02	9.95E-06	1.31E-06	2.49E-03	7.87E-07	1.04E-07	6.76E-03	2.13E-06	2.81E-07	2.74E-06	1.49E-06
401	483727.7, 3854221	7.95E-02	2.51E-05	3.31E-06	4.06E-02	1.28E-05	1.69E-06	2.95E-03	9.32E-07	1.23E-07	1.08E-02	3.42E-06	4.51E-07	3.64E-06	2.02E-06
402	483777.7, 3854221	7.42E-02	2.34E-05	3.09E-06	3.79E-02	1.20E-05	1.58E-06	2.78E-03	8.77E-07	1.16E-07	9.58E-03	3.02E-06	3.99E-07	3.38E-06	1.86E-06
403	483827.7, 3854221	6.96E-02	2.20E-05	2.90E-06	3.56E-02	1.12E-05	1.48E-06	2.66E-03	8.41E-07	1.11E-07	8.72E-03	2.75E-06	3.63E-07	3.15E-06	1.74E-06
404	483877.7, 3854221	6.61E-02	2.09E-05	2.75E-06	3.38E-02	1.07E-05	1.41E-06	2.51E-03	7.94E-07	1.05E-07	7.85E-03	2.48E-06	3.27E-07	2.98E-06	1.63E-06
405	489150.19, 3858726.45	9.40E-02	2.97E-05	3.91E-06	5.08E-02	1.60E-05	2.11E-06	7.79E-03	2.46E-06	3.25E-07	8.74E-03	2.76E-06	3.64E-07	3.95E-06	2.15E-06
406	489200.19, 3858726.45	9.13E-02	2.88E-05	3.80E-06	4.91E-02	1.55E-05	2.05E-06	7.29E-03	2.30E-06	3.04E-07	8.03E-03	2.53E-06	3.34E-07	3.83E-06	2.08E-06
407	489150.19, 3858776.45	9.82E-02	3.10E-05	4.09E-06	5.35E-02	1.69E-05	2.23E-06	8.93E-03	2.82E-06	3.72E-07	1.01E-02	3.20E-06	4.23E-07	4.14E-06	2.28E-06
408	489200.19, 3858776.45	9.49E-02	3.00E-05	3.95E-06	5.15E-02	1.63E-05	2.15E-06	8.26E-03	2.61E-06	3.44E-07	9.16E-03	2.89E-06	3.82E-07	3.99E-06	2.18E-06
409	488919.6, 3856400.76	4.01E-02	1.27E-05	1.67E-06	2.04E-02	6.44E-06	8.50E-07	1.36E-03	4.28E-07	5.65E-08	1.84E-03	5.81E-07	7.67E-08	1.69E-06	8.70E-07
410	488919.6, 3856450.76	4.08E-02	1.29E-05	1.70E-06	2.07E-02	6.54E-06	8.64E-07	1.38E-03	4.35E-07	5.74E-08	1.87E-03	5.89E-07	7.78E-08	1.72E-06	8.84E-07
411	488969.6, 3856450.76	4.03E-02	1.27E-05	1.68E-06	2.05E-02	6.48E-06	8.55E-07	1.37E-03	4.32E-07	5.70E-08	1.84E-03	5.81E-07	7.67E-08	1.70E-06	8.75E-07
412	488919.6, 3856500.76	4.15E-02	1.31E-05	1.73E-06	2.11E-02	6.66E-06	8.79E-07	1.40E-03	4.43E-07	5.85E-08	1.90E-03	5.98E-07	7.90E-08	1.75E-06	9.00E-07
413	488969.6, 3856500.76	4.10E-02	1.29E-05	1.71E-06	2.09E-02	6.58E-06	8.69E-07	1.39E-03	4.40E-07	5.80E-08	1.87E-03	5.89E-07	7.78E-08	1.73E-06	8.89E-07
414	488919.6, 3856550.76	4.22E-02	1.33E-05	1.76E-06	2.15E-02	6.78E-06	8.95E-07	1.43E-03	4.51E-07	5.96E-08	1.92E-03	6.07E-07	8.01E-08	1.78E-06	9.15E-07
415	488969.6, 3856550.76	4.17E-02	1.32E-05	1.74E-06	2.12E-02	6.70E-06	8.85E-07	1.42E-03	4.47E-07	5.91E-08	1.90E-03	5.98E-07	7.90E-08	1.76E-06	9.04E-07
416	488819.6, 3856600.76	4.42E-02	1.39E-05	1.84E-06	2.25E-02	7.09E-06	9.35E-07	1.48E-03	4.68E-07	6.17E-08	2.01E-03	6.35E-07	8.38E-08	1.86E-06	9.57E-07
417	488869.6, 3856600.76	4.36E-02	1.38E-05	1.82E-06	2.22E-02	7.00E-06	9.24E-07	1.47E-03	4.63E-07	6.12E-08	1.98E-03	6.25E-07	8.26E-08	1.84E-06	9.45E-07
418	488919.6, 3856600.76	4.30E-02	1.36E-05	1.79E-06	2.19E-02	6.91E-06	9.12E-07	1.46E-03	4.60E-07	6.07E-08	1.95E-03	6.16E-07	8.13E-08	1.81E-06	9.32E-07
419	488819.6, 3856650.76	4.51E-02	1.42E-05	1.88E-06	2.29E-02	7.24E-06	9.55E-07	1.51E-03	4.77E-07	6.29E-08	2.04E-03	6.45E-07	8.51E-08	1.90E-06	9.77E-07
420	488869.6, 3856650.76	4.45E-02	1.40E-05	1.85E-06	2.26E-02	7.14E-06	9.42E-07	1.50E-03	4.72E-07	6.23E-08	2.01E-03	6.35E-07	8.38E-08	1.87E-06	9.64E-07
421	488819.6, 3856700.76	4.61E-02	1.45E-05	1.92E-06	2.34E-02	7.39E-06	9.76E-07	1.54E-03	4.86E-07	6.42E-08	2.08E-03	6.56E-07	8.66E-08	1.94E-06	9.98E-07
422	488869.6, 3856700.76	4.54E-02	1.43E-05	1.89E-06	2.31E-02	7.29E-06	9.62E-07	1.52E-03	4.81E-07	6.35E-08	2.04E-03	6.45E-07	8.51E-08	1.91E-06	9.84E-07
423	488819.6, 3856750.76	4.71E-02	1.49E-05	1.96E-06	2.39E-02	7.55E-06	9.97E-07	1.57E-03	4.95E-07	6.54E-08	2.11E-03	6.67E-07	8.80E-08	1.98E-06	1.02E-06
424	488869.6, 3856750.76	4.64E-02	1.46E-05	1.93E-06	2.36E-02	7.44E-06	9.82E-07	1.56E-03	4.91E-07	6.48E-08	2.08E-03	6.56E-07	8.66E-08	1.95E-06	1.00E-06
425	488819.6, 3857050.76	5.35E-02	1.69E-05	2.23E-06	2.72E-02	8.58E-06	1.13E-06	1.78E-03	5.62E-07	7.42E-08	2.36E-03	7.46E-07	9.85E-08	2.25E-06	1.16E-06
426	488869.6, 3857050.76	5.23E-02	1.65E-05	2.18E-06	2.66E-02	8.40E-06	1.11E-06	1.76E-03	5.57E-07	7.35E-08	2.32E-03	7.32E-07	9.66E-08	2.20E-06	1.13E-06
427	488919.6, 3857050.76	5.13E-02	1.62E-05	2.14E-06	2.61E-02	8.23E-06	1.09E-06	1.75E-03	5.51E-07	7.28E-08	2.27E-03	7.18E-07	9.47E-08	2.16E-06	1.11E-06
428	488819.6, 3857100.76	5.46E-02	1.72E-05	2.27E-06	2.77E-02	8.75E-06	1.16E-06	1.82E-03	5.76E-07	7.60E-08	2.42E-03	7.62E-07	1.01E-07	2.30E-06	1.18E-06
429	488869.6, 3857100.76	5.34E-02	1.68E-05	2.22E-06	2.71E-02	8.56E-06	1.13E-06	1.80E-03	5.70E-07	7.52E-08	2.37E-03	7.47E-07	9.86E-08	2.25E-06	1.15E-06
430	488919.6, 3857100.76	5.22E-02	1.65E-05	2.17E-06	2.66E-02	8.38E-06	1.11E-06	1.79E-03	5.64E-07	7.45E-08	2.32E-03	7.32E-07	9.66E-08	2.20E-06	1.13E-06
431	488819.6, 3857150.76	5.56E-02	1.75E-05	2.32E-06	2.83E-02	8.92E-06	1.18E-06	1.87E-03	5.90E-07	7.79E-08	2.47E-03	7.80E-07	1.03E-07	2.34E-06	1.20E-06
432	488869.6, 3857150.76	5.43E-02	1.71E-05	2.26E-06	2.76E-02	8.72E-06	1.15E-06	1.85E-03	5.83E-07	7.70E-08	2.42E-03	7.63E-07	1.01E-07	2.29E-06	1.17E-06
433	488919.6, 3857150.76	5.31E-02	1.68E-05	2.21E-06	2.70E-02	8.53E-06	1.13E-06	1.83E-03	5.77E-07	7.62E-08	2.37E-03	7.48E-07	9.87E-08	2.23E-06	1.15E-06
434	488969.6, 3857150.76	5.20E-02	1.64E-05	2.16E-06	2.65E-02	8.35E-06	1.10E-06	1.81E-03	5.72E-07	7.54E-08	2.32E-03	7.33E-07	9.68E-08	2.19E-06	1.12E-06
435	488819.6, 3857200.76	5.65E-02	1.78E-05	2.36E-06	2.88E-02	9.08E-06	1.20E-06	1.92E-03	6.05E-07	7.98E-08	2.53E-03	7.99E-07	1.05E-07	2.38E-06	1.22E-06
436	488869.6, 3857200.76	5.52E-02	1.74E-05	2.30E-06	2.81E-02	8.86E-06	1.17E-06	1.90E-03	5.98E-07	7.90E-08	2.47E-03	7.81E-07	1.03E-07	2.32E-06	1.19E-06
437	488919.6, 3857200.76	5.39E-02	1.70E-05	2.25E-06	2.74E-02	8.66E-06	1.14E-06	1.88E-03	5.92E-07	7.81E-08	2.42E-03	7.65E-07	1.01E-07	2.27E-06	1.17E-06
438	488969.6, 3857200.76	5.27E-02	1.66E-05	2.20E-06	2.69E-02	8.48E-06	1.12E-06	1.85E-03	5.85E-07	7.73E-08	2.37E-03	7.49E-07	9.89E-08	2.22E-06	1.14E-06
439	488819.6, 3857250.76	5.74E-02	1.81E-05	2.39E-06	2.92E-02	9.22E-06	1.22E-06	1.97E-03	6.20E-07	8.19E-08	2.59E-03	8.18E-07	1.08E-07	2.42E-06	1.24E-06
440	488869.6, 3857250.76	5.60E-02	1.77E-05	2.33E-06	2.85E-02	9.00E-06	1.19E-06	1.94E-03	6.14E-07	8.10E-08	2.53E-03	8.00E-07	1.06E-07	2.36E-06	1.21E-06
441	488919.6, 3857250.76	5.47E-02	1.73E-05	2.28E-06	2.79E-02	8.80E-06	1.16E-06	1.92E-03	6.07E-07	8.01E-08	2.48E-03	7.83E-07	1.03E-07	2.30E-06	1.18E-06
442	488969.6, 3857250.76	5.35E-02	1.69E-05	2.23E-06	2.73E-02	8.60E-06	1.14E-06	1.90E-03	6.00E-07	7.92E-08	2.43E-03	7.66E-07	1.01E-07	2.25E-06	1.16E-06
443	488819.6, 3857300.76	5.83E-02	1.84E-05	2.43E-06	2.97E-02	9.36E-06	1.24E-06	2.02E-03	6.37E-07	8.41E-08	2.66E-03	8.39E-07	1.11E-07	2.45E-06	1.26E-06
444	488869.6, 3857300.76	5.68E-02	1.79E-05	2.37E-06	2.89E-02	9.13E-06	1.21E-06	2.00E-03	6.30E-07	8.31E-08	2.60E-03	8.20E-07	1.08E-07	2.39E-06	1.23E-06
445	488919.6, 3857300.76	5.54E-02	1.75E-05	2.31E-06	2.83E-02	8.92E-06	1.18E-06	1.97E-03	6.23E-07	8.22E-08	2.54E-03	8.01E-07	1.06E-07	2.33E-06	1.20E-06
446	488819.6, 3857450.76	6.04E-02	1.91E-05	2.52E-06	3.08E-02	9.73E-06	1.28E-06	2.20E-03	6.94E-07	9.16E-08	2.88E-03	9.10E-07	1.20E-07	2.55E-06	1.31E-06
447	488869.6, 3857450.76	5.89E-02	1.86E-05	2.45E-06	3.01E-02	9.49E-06	1.25E-06	2.17E-03	6.85E-07	9.04E-08	2.81E-03	8.87E-07	1.17E-07	2.48E-06	1.28E-06
448	488919.6, 3857450.76	5.75E-02	1.81E-05	2.39E-06	2.94E-02	9.27E-06	1.22E-06	2.14E-03	6.77E-07	8.93E-08	2.74E-03	8.65E-07	1.14E-07	2.42E-06	1.25E-06
449	488819.6, 3857500.76	6.11E-02	1.93E-05	2.55E-06	3.12E-02	9.85E-06	1.30E-06	2.27E-03	7.15E-07	9.44E-08	2.97E-03	9.38E-07	1.24E-07	2.58E-06	1.33E-06
450	488869.6, 3857500.76	5.96E-02	1.88E-05	2.48E-06	3.04E-02	9.61E-06	1.27E-06	2.24E-03	7.06E-07	9.32E-08	2.89E-03	9.12E-07	1.20E-07	2.51E-06	1.30E-06
451	488919.6, 3857500.76	5.82E-02	1.84E-05	2.42E-06	2.97E-02	9.38E-06	1.24E-06	2.21E-03	6.97E-07	9.20E-08	2.82E-03	8.89E-07	1.17E-07	2.45E-06	1.26E-06
452	488819.6, 3857550.76	6.19E-02	1.95E-05	2.58E-06	3.16E-02	9.98E-06	1.32E-06	2.34E-03	7.38E-07	9.74E-08	3.06E-03	9.67E-07	1.28E-07	2.61E-06	1.35E-06
453	488869.6, 3857550.76	6.03E-02	1.90E-05	2.51E-06	3.09E-02	9.74E-06	1.29E-06	2.31E-03	7.28E-07	9.61E-08	2.98E-03	9.40E-07	1.24E-07	2.54E-06	1.31E-06
454	488919.6, 3857550.76	5.89E-02	1.86E-05	2.45E-06	3.01E-02	9.51E-06	1.26E-06	2.28E-03	7.19E-07	9.49E-08	2.90E-03	9.15E-07	1.21E-07	2.48E-06	1.28E-06
455	489663.71, 3860900.05	1.61E-02	5.07E-06	6.70E-07	8.38E-03	2.64E-06	3.49E-07	8.60E-04	2.71E-07	3.58E-08	8.80E-04	2.78E-07	3.67E-08	6.70E-07	3.50E-07
456	489813.71, 3860900.05	1.57E-02	4.95E-06	6.54E-07	8.22E-03	2.59E-06	3.42E-07	9.02E-04	2.85E-07	3.76E-08	9.22E-04	2.91E-07	3.84E-08	6.54E-07	3.43E-07
457	489863.71, 3860900.05	1.55E-02	4.90E-06	6.47E-07	8.15E-03	2.57E-06	3.40E-07	9.16E-04	2.89E-07	3.82E-08	9.37E-04	2.96E-07	3.90E-08	6.48E-07	3.40E-07
458	489913.71, 3860900.05	1.54E-02	4.86E-06	6.42E-07	8.10E-03	2.56E-06	3.37E-07	9.32E-04	2.94E-07	3.88E-08	9.53E-04	3.01E-07	3.97E-08	6.43E-07	3.38E-07
459	489963.71, 3860900.05	1.53E-02	4.81E-06	6.35E-07	8.04E-03	2.54E-06	3.35E-07	9.48E-04	2.99E-07	3.95E-08	9.70E-04	3.06E-07	4.04E-08	6.36E-07	3.36E-07
460	490013.71, 3860900.05	1.51E-02	4.78E-06	6.30E-07	7.99E-03	2.52E-06	3.33E-07	9.65E-04	3.05E-07	4.02E-08	9.88E-04	3.12E-07	4.11E-08	6.31E-07	3.34E-07
461	490063.71, 3860900.05	1.50E-02	4.73E-06	6.25E-07	7.93E-03	2.50E-06	3.31E-07	9.82E-04	3.10E-07	4.09E-08	1.01E-03	3.17E-07	4.19E-08	6.26E-07	3.31E-07
462	489663.71, 3860950.05	1.45E-02	4.59E-06	6.06E-07	7.62E-03	2.40E-06	3.17E-07	8.37E-04	2.64E-07	3.49E-08	8.57E-04	2.70E-07	3.57E-08	6.06E-07	3.18E-07
463	489813.71, 3860950.05	1.43E-02	4.51E-06	5.95E-07	7.52E-03	2.37E-06	3.13E-07	8.76E-04	2.76E-07	3.65E-08	8.96E-04	2.83E-07	3.73E-08	5.96E-07	3.14E-07
464	489863.71, 3860950.05	1.42E-02	4.48E-06	5.91E-07	7.48E-03	2.36E-06	3.12E-07	8.88E-04	2.80E-07	3.70E-08	9.09E-04	2.87E-07	3.79E-08	5.92E-07	3.13E-07
465	489913.71, 3860950.05	1.41E-02	4.45E-06	5.88E-07	7.45E-03	2.35E-06	3.10E-07	9.02E-04	2.85E-07	3.76E-08	9.26E-04	2.92E-07	3.86E-08	5.89E-07	3.11E-07
466	489963.71, 3860950.05	1.40E-02	4.42E-06	5.84E-07	7.41E-03	2.34E-06	3.09E-07	9.18E-04	2.90E-07	3.82E-08	9.40E-04	2.97E-07	3.92E-08	5.85E-07	3.10E-07

467	490013.71, 3860950.05	1.39E-02	4.39E-06	5.80E-07	7.37E-03	2.33E-06	3.07E-07	9.34E-04	2.95E-07	3.89E-08	9.57E-04	3.02E-07	3.98E-08	5.81E-07	3.08E-07
468	490063.71, 3860950.05	1.38E-02	4.37E-06	5.76E-07	7.34E-03	2.32E-06	3.06E-07	9.49E-04	3.00E-07	3.95E-08	9.73E-04	3.07E-07	4.05E-08	5.77E-07	3.07E-07
469	489513.71, 3861000.05	1.34E-02	4.22E-06	5.58E-07	7.02E-03	2.22E-06	2.93E-07	7.85E-04	2.48E-07	3.27E-08	8.01E-04	2.53E-07	3.34E-08	5.58E-07	2.93E-07
470	489563.71, 3861000.05	1.33E-02	4.21E-06	5.55E-07	7.00E-03	2.21E-06	2.92E-07	7.94E-04	2.51E-07	3.31E-08	8.11E-04	2.56E-07	3.38E-08	5.56E-07	2.92E-07
471	489613.71, 3861000.05	1.33E-02	4.20E-06	5.54E-07	6.99E-03	2.21E-06	2.91E-07	8.05E-04	2.54E-07	3.35E-08	8.23E-04	2.60E-07	3.43E-08	5.55E-07	2.92E-07
472	489663.71, 3861000.05	1.32E-02	4.18E-06	5.52E-07	6.97E-03	2.20E-06	2.91E-07	8.16E-04	2.58E-07	3.40E-08	8.34E-04	2.63E-07	3.47E-08	5.53E-07	2.91E-07
473	489713.71, 3861000.05	1.32E-02	4.16E-06	5.49E-07	6.95E-03	2.19E-06	2.90E-07	8.27E-04	2.61E-07	3.45E-08	8.47E-04	2.67E-07	3.53E-08	5.50E-07	2.91E-07
474	489763.71, 3861000.05	1.31E-02	4.15E-06	5.47E-07	6.93E-03	2.19E-06	2.89E-07	8.38E-04	2.65E-07	3.49E-08	8.59E-04	2.71E-07	3.58E-08	5.48E-07	2.90E-07
475	489813.71, 3861000.05	1.31E-02	4.13E-06	5.45E-07	6.92E-03	2.18E-06	2.88E-07	8.51E-04	2.68E-07	3.54E-08	8.73E-04	2.76E-07	3.64E-08	5.46E-07	2.89E-07
476	489863.71, 3861000.05	1.30E-02	4.11E-06	5.42E-07	6.90E-03	2.18E-06	2.87E-07	8.63E-04	2.72E-07	3.60E-08	8.85E-04	2.79E-07	3.69E-08	5.43E-07	2.88E-07
477	489913.71, 3861000.05	1.30E-02	4.09E-06	5.40E-07	6.88E-03	2.17E-06	2.86E-07	8.77E-04	2.77E-07	3.65E-08	8.99E-04	2.84E-07	3.75E-08	5.41E-07	2.87E-07
478	489963.71, 3861000.05	1.29E-02	4.07E-06	5.38E-07	6.85E-03	2.16E-06	2.86E-07	8.90E-04	2.81E-07	3.71E-08	9.12E-04	2.88E-07	3.80E-08	5.38E-07	2.87E-07
479	490013.71, 3861000.05	1.28E-02	4.05E-06	5.35E-07	6.83E-03	2.16E-06	2.85E-07	9.05E-04	2.86E-07	3.77E-08	9.27E-04	2.93E-07	3.86E-08	5.36E-07	2.85E-07
480	490063.71, 3861000.05	1.28E-02	4.03E-06	5.32E-07	6.81E-03	2.15E-06	2.84E-07	9.20E-04	2.90E-07	3.83E-08	9.43E-04	2.98E-07	3.93E-08	5.33E-07	2.85E-07
481	489513.71, 3861050.05	1.22E-02	3.86E-06	5.10E-07	6.45E-03	2.04E-06	2.69E-07	7.68E-04	2.42E-07	3.20E-08	7.83E-04	2.47E-07	3.26E-08	5.11E-07	2.69E-07
482	489563.71, 3861050.05	1.22E-02	3.85E-06	5.09E-07	6.44E-03	2.03E-06	2.68E-07	7.75E-04	2.45E-07	3.23E-08	7.93E-04	2.50E-07	3.30E-08	5.09E-07	2.69E-07
483	489613.71, 3861050.05	1.22E-02	3.85E-06	5.08E-07	6.44E-03	2.03E-06	2.68E-07	7.86E-04	2.48E-07	3.28E-08	8.05E-04	2.54E-07	3.35E-08	5.09E-07	2.69E-07
484	489663.71, 3861050.05	1.22E-02	3.84E-06	5.07E-07	6.43E-03	2.03E-06	2.68E-07	7.96E-04	2.51E-07	3.32E-08	8.15E-04	2.57E-07	3.39E-08	5.08E-07	2.69E-07
485	489713.71, 3861050.05	1.21E-02	3.82E-06	5.05E-07	6.42E-03	2.03E-06	2.67E-07	8.05E-04	2.54E-07	3.35E-08	8.26E-04	2.61E-07	3.44E-08	5.06E-07	2.68E-07
486	489763.71, 3861050.05	1.21E-02	3.82E-06	5.04E-07	6.41E-03	2.02E-06	2.67E-07	8.16E-04	2.58E-07	3.40E-08	8.37E-04	2.64E-07	3.49E-08	5.05E-07	2.68E-07
487	489813.71, 3861050.05	1.21E-02	3.80E-06	5.02E-07	6.40E-03	2.02E-06	2.67E-07	8.29E-04	2.62E-07	3.45E-08	8.49E-04	2.68E-07	3.54E-08	5.03E-07	2.68E-07
488	489863.71, 3861050.05	1.20E-02	3.79E-06	5.01E-07	6.39E-03	2.02E-06	2.66E-07	8.40E-04	2.65E-07	3.50E-08	8.62E-04	2.72E-07	3.59E-08	5.02E-07	2.67E-07
489	489913.71, 3861050.05	1.20E-02	3.78E-06	4.99E-07	6.38E-03	2.01E-06	2.66E-07	8.52E-04	2.69E-07	3.55E-08	8.75E-04	2.76E-07	3.64E-08	5.00E-07	2.67E-07
490	489963.71, 3861050.05	1.19E-02	3.77E-06	4.97E-07	6.37E-03	2.01E-06	2.65E-07	8.65E-04	2.73E-07	3.60E-08	8.88E-04	2.80E-07	3.70E-08	4.98E-07	2.66E-07
491	490013.71, 3861050.05	1.19E-02	3.75E-06	4.95E-07	6.36E-03	2.01E-06	2.65E-07	8.79E-04	2.77E-07	3.66E-08	9.03E-04	2.85E-07	3.76E-08	4.96E-07	2.66E-07
492	490063.71, 3861050.05	1.19E-02	3.74E-06	4.94E-07	6.34E-03	2.00E-06	2.64E-07	8.93E-04	2.82E-07	3.72E-08	9.16E-04	2.89E-07	3.81E-08	4.95E-07	2.65E-07
493	489513.71, 3861100.05	1.13E-02	3.56E-06	4.71E-07	5.98E-03	1.89E-06	2.49E-07	7.50E-04	2.37E-07	3.13E-08	7.66E-04	2.42E-07	3.19E-08	4.71E-07	2.50E-07
494	489563.71, 3861100.05	1.13E-02	3.55E-06	4.69E-07	5.97E-03	1.88E-06	2.49E-07	7.58E-04	2.39E-07	3.16E-08	7.75E-04	2.45E-07	3.23E-08	4.70E-07	2.49E-07
495	489613.71, 3861100.05	1.12E-02	3.55E-06	4.68E-07	5.97E-03	1.88E-06	2.49E-07	7.66E-04	2.42E-07	3.19E-08	7.83E-04	2.47E-07	3.26E-08	4.69E-07	2.49E-07
496	489663.71, 3861100.05	1.12E-02	3.54E-06	4.67E-07	5.96E-03	1.88E-06	2.48E-07	7.75E-04	2.45E-07	3.23E-08	7.93E-04	2.50E-07	3.30E-08	4.68E-07	2.49E-07
497	489713.71, 3861100.05	1.12E-02	3.54E-06	4.67E-07	5.96E-03	1.88E-06	2.48E-07	7.85E-04	2.48E-07	3.27E-08	8.05E-04	2.54E-07	3.35E-08	4.68E-07	2.49E-07
498	489763.71, 3861100.05	1.12E-02	3.53E-06	4.66E-07	5.96E-03	1.88E-06	2.48E-07	7.96E-04	2.51E-07	3.32E-08	8.16E-04	2.58E-07	3.40E-08	4.67E-07	2.49E-07
499	489813.71, 3861100.05	1.12E-02	3.53E-06	4.65E-07	5.96E-03	1.88E-06	2.48E-07	8.07E-04	2.55E-07	3.36E-08	8.28E-04	2.61E-07	3.45E-08	4.66E-07	2.49E-07
500	489863.71, 3861100.05	1.11E-02	3.52E-06	4.64E-07	5.95E-03	1.88E-06	2.48E-07	8.18E-04	2.58E-07	3.41E-08	8.41E-04	2.65E-07	3.50E-08	4.65E-07	2.49E-07
501	489913.71, 3861100.05	1.11E-02	3.51E-06	4.63E-07	5.94E-03	1.88E-06	2.48E-07	8.29E-04	2.62E-07	3.45E-08	8.52E-04	2.69E-07	3.55E-08	4.64E-07	2.49E-07
502	489963.71, 3861100.05	1.11E-02	3.50E-06	4.62E-07	5.94E-03	1.88E-06	2.48E-07	8.41E-04	2.66E-07	3.50E-08	8.65E-04	2.73E-07	3.60E-08	4.63E-07	2.49E-07
503	490013.71, 3861100.05	1.11E-02	3.49E-06	4.60E-07	5.93E-03	1.87E-06	2.47E-07	8.54E-04	2.69E-07	3.56E-08	8.77E-04	2.77E-07	3.65E-08	4.61E-07	2.48E-07
504	490063.71, 3861100.05	1.10E-02	3.48E-06	4.60E-07	5.93E-03	1.87E-06	2.47E-07	8.68E-04	2.74E-07	3.62E-08	8.91E-04	2.81E-07	3.71E-08	4.61E-07	2.48E-07
505	489713.71, 3861150.05	1.04E-02	3.29E-06	4.34E-07	5.56E-03	1.76E-06	2.32E-07	7.66E-04	2.42E-07	3.19E-08	7.85E-04	2.48E-07	3.27E-08	4.35E-07	2.33E-07
506	489763.71, 3861150.05	1.04E-02	3.29E-06	4.34E-07	5.57E-03	1.76E-06	2.32E-07	7.75E-04	2.45E-07	3.23E-08	7.97E-04	2.51E-07	3.32E-08	4.35E-07	2.33E-07
507	489813.71, 3861150.05	1.04E-02	3.28E-06	4.33E-07	5.57E-03	1.76E-06	2.32E-07	7.86E-04	2.48E-07	3.28E-08	8.08E-04	2.55E-07	3.37E-08	4.34E-07	2.33E-07
508	489863.71, 3861150.05	1.04E-02	3.28E-06	4.32E-07	5.57E-03	1.76E-06	2.32E-07	7.96E-04	2.51E-07	3.32E-08	8.19E-04	2.59E-07	3.41E-08	4.33E-07	2.33E-07
509	489913.71, 3861150.05	1.04E-02	3.27E-06	4.32E-07	5.57E-03	1.76E-06	2.32E-07	8.07E-04	2.55E-07	3.36E-08	8.31E-04	2.62E-07	3.46E-08	4.33E-07	2.33E-07
510	489963.71, 3861150.05	1.04E-02	3.27E-06	4.31E-07	5.57E-03	1.76E-06	2.32E-07	8.19E-04	2.59E-07	3.41E-08	8.42E-04	2.66E-07	3.51E-08	4.32E-07	2.33E-07
511	490013.71, 3861150.05	1.03E-02	3.26E-06	4.30E-07	5.56E-03	1.75E-06	2.32E-07	8.30E-04	2.62E-07	3.46E-08	8.54E-04	2.69E-07	3.56E-08	4.31E-07	2.33E-07
512	490063.71, 3861150.05	1.03E-02	3.25E-06	4.29E-07	5.56E-03	1.75E-06	2.32E-07	8.43E-04	2.66E-07	3.51E-08	8.67E-04	2.74E-07	3.61E-08	4.30E-07	2.33E-07
513	489613.71, 3861200.05	9.75E-03	3.08E-06	4.06E-07	5.22E-03	1.65E-06	2.17E-07	7.30E-04	2.30E-07	3.04E-08	7.48E-04	2.36E-07	3.11E-08	4.07E-07	2.18E-07
514	489663.71, 3861200.05	9.75E-03	3.08E-06	4.06E-07	5.22E-03	1.65E-06	2.18E-07	7.39E-04	2.33E-07	3.08E-08	7.57E-04	2.39E-07	3.16E-08	4.07E-07	2.18E-07
515	489713.71, 3861200.05	9.74E-03	3.08E-06	4.06E-07	5.23E-03	1.65E-06	2.18E-07	7.47E-04	2.36E-07	3.11E-08	7.67E-04	2.42E-07	3.20E-08	4.07E-07	2.19E-07
516	489763.71, 3861200.05	9.74E-03	3.07E-06	4.06E-07	5.23E-03	1.65E-06	2.18E-07	7.57E-04	2.39E-07	3.15E-08	7.77E-04	2.45E-07	3.24E-08	4.07E-07	2.19E-07
517	489813.71, 3861200.05	9.73E-03	3.07E-06	4.05E-07	5.23E-03	1.65E-06	2.18E-07	7.66E-04	2.42E-07	3.19E-08	7.88E-04	2.49E-07	3.28E-08	4.06E-07	2.19E-07
518	489863.71, 3861200.05	9.73E-03	3.07E-06	4.06E-07	5.24E-03	1.65E-06	2.18E-07	7.77E-04	2.45E-07	3.24E-08	8.00E-04	2.52E-07	3.33E-08	4.06E-07	2.19E-07
519	489913.71, 3861200.05	9.71E-03	3.06E-06	4.05E-07	5.23E-03	1.65E-06	2.18E-07	7.86E-04	2.48E-07	3.28E-08	8.10E-04	2.56E-07	3.37E-08	4.06E-07	2.19E-07
520	489963.71, 3861200.05	9.69E-03	3.06E-06	4.04E-07	5.23E-03	1.65E-06	2.18E-07	7.97E-04	2.52E-07	3.32E-08	8.21E-04	2.59E-07	3.42E-08	4.05E-07	2.19E-07
521	490013.71, 3861200.05	9.69E-03	3.06E-06	4.03E-07	5.24E-03	1.65E-06	2.18E-07	8.08E-04	2.55E-07	3.37E-08	8.32E-04	2.63E-07	3.47E-08	4.05E-07	2.19E-07
522	490063.71, 3861200.05	9.67E-03	3.05E-06	4.03E-07	5.24E-03	1.65E-06	2.18E-07	8.21E-04	2.59E-07	3.42E-08	8.44E-04	2.66E-07	3.52E-08	4.04E-07	2.19E-07
523	489513.71, 3861250.05	9.15E-03	2.89E-06	3.81E-07	4.90E-03	1.55E-06	2.04E-07	6.99E-04	2.21E-07	2.91E-08	7.13E-04	2.25E-07	2.97E-08	3.82E-07	2.05E-07
524	489563.71, 3861250.05	9.16E-03	2.89E-06	3.82E-07	4.91E-03	1.55E-06	2.05E-07	7.06E-04	2.23E-07	2.94E-08	7.23E-04	2.28E-07	3.01E-08	3.82E-07	2.05E-07
525	489613.71, 3861250.05	9.16E-03	2.89E-06	3.82E-07	4.92E-03	1.55E-06	2.05E-07	7.14E-04	2.25E-07	2.98E-08	7.31E-04	2.31E-07	3.05E-08	3.83E-07	2.06E-07
526	489663.71, 3861250.05	9.16E-03	2.89E-06	3.82E-07	4.93E-03	1.56E-06	2.05E-07	7.22E-04	2.28E-07	3.01E-08	7.41E-04	2.34E-07	3.09E-08	3.83E-07	2.06E-07
527	489713.71, 3861250.05	9.16E-03	2.89E-06	3.81E-07	4.93E-03	1.56E-06	2.05E-07	7.30E-04	2.30E-07	3.04E-08	7.49E-04	2.36E-07	3.12E-08	3.82E-07	2.06E-07
528	489763.71, 3861250.05	9.15E-03	2.89E-06	3.81E-07	4.93E-03	1.56E-06	2.06E-07	7.39E-04	2.33E-07	3.08E-08	7.59E-04	2.40E-07	3.16E-08	3.82E-07	2.06E-07
529	489813.71, 3861250.05	9.16E-03	2.89E-06	3.81E-07	4.94E-03	1.56E-06	2.06E-07	7.49E-04	2.36E-07	3.12E-08	7.69E-04	2.43E-07	3.20E-08	3.82E-07	2.07E-07
530	489863.71, 3861250.05	9.14E-03	2.89E-06	3.81E-07	4.94E-03	1.56E-06	2.06E-07	7.58E-04	2.39E-07	3.16E-08	7.80E-04	2.46E-07	3.25E-08	3.82E-07	2.07E-07
531	489913.71, 3861250.05	9.14E-03	2.88E-06	3.81E-07	4.94E-03	1.56E-06	2.06E-07	7.68E-04	2.42E-07	3.20E-08	7.90E-04	2.49E-07	3.29E-08	3.82E-07	2.07E-07
532	489963.71, 3861250.05	9.13E-03	2.88E-06	3.80E-07	4.94E-03	1.56E-06	2.06E-07	7.77E-04	2.45E-07	3.24E-08	8.01E-04	2.53E-07	3.34E-08	3.81E-07	2.07E-07
533	490013.71, 3861250.05	9.12E-03	2.88E-06	3.80E-07	4.95E-03	1.56E-06	2.06E-07	7.88E-04	2.49E-07	3.28E-08	8.11E-04	2.56E-07	3.38E-08	3.81E-07	2.07E-07
534	490063.71, 3861250.05	9.10E-03	2.87E-06	3.79E-07	4.95E-03	1.56E-06	2.06E-07	7.99E-04	2.52E-07	3.33E-08	8.23E-04	2.60E-07	3.43E-08	3.80E-07	2.07E-07
535	489528.13, 3861308.47	8.55E-03	2.70E-06	3.56E-07	4.60E-03	1.45E-06	1.92E-07	6.85E-04	2.16E-07	2.85E-08	6.99E-04	2.20E-07	2.91E-08	3.57E-07	1.92E-07
536	489578.13, 3861308.47	8.56E-03	2.70E-06	3.57E-07	4.61E-03	1.46E-06	1.92E-07	6.91E-04	2.18E-07	2.88E-08	7.07E-04	2.23E-07	2.94E-08	3.57E-07	1.93E-07
537	489628.13, 3861308.47	8.57E-03	2.71E-06	3.57E-07	4.62E-03	1.46E-06	1.93E-07	6.99E-04	2.21E-07	2.91E-08	7.15E-04	2.26E-07	2.98E-08	3.58E-07	1.93E-07
538	489678.13, 3861308.47	8.57E-03	2.71E-06	3.57E-07	4.63E-03	1.46E-06	1.93E-07	7.05E-04	2.22E-07	2.94E-08	7.23E-04	2.28E-07	3.01E-08	3.58E-07	1.94E-07
539	489728.13, 3861308.47	8.57E-03	2.70E-06	3.57E-07	4.63E-03	1.46E-06	1.93E-07	7.14E-04	2.25E-07	2.98E-08	7.33E-04	2.31E-07	3.05E-08	3.58E-07	1.94E-07
540	489778.13, 3861308.47	8.56E-03	2.70E-06	3.57E-07	4.63E-03	1.46E-06	1.93E-07	7.22E-04	2.28E-07	3.01E-08	7.41E-04	2.34E-07	3.09E-08	3.58E-07	1.94E-07
541	489678.13, 3861358.47	8.13E-03	2.56E-06	3.39E-07	4.40E-03	1.39E-06	1.83E-07	6.91E-04	2.18E-07	2.88E-08	7.08E-04	2.24E-07	2.95E-08	3.39E-07	1.84E-07
542	489728.13, 3861358.47	8.13E-03	2.57E-06	3.39E-07	4.41E-03	1.39E-06	1.84E-07	6.97E-04	2.20E-07	2.90E-08	7.17E-04	2.26E-07	2.99E-08	3.40E-07	1.84E-07
543	489528.13, 3861408.47	7.73E-03	2.44E-06	3.22E-07	4.19E-03	1.32E-06	1.74E-07	6.56E-04	2.07E-07	2.73E-08	6.69E-04	2.11E-07	2.79E-08	3.23E-07	1.75E-07
544	489578.13, 3861408.47	7.73E-03	2.44E-06	3.22E-07	4.19E-03	1.32E-06	1.74E-07	6.63E-04	2.09E-07	2.76E-08	6.77E-04	2.14E-07	2.82E-08	3.22E-07	1.75E-07
545	489628.13, 3861408.47	7.73E-03	2.44E-06	3.22E-07	4.20E-03	1.32E-06	1.75E-07	6.69E-04	2.11E-07	2.79E-08	6.86E-04	2.16E-07	2.86E-08	3.23E-07	1.75E-07
546	489678.13, 3861408.47	7.75E-03	2.44E-06	3.23E-07	4.21E-03	1.33E-06	1.75E-07	6.75E-04	2.13E-07	2.81E-08	6.92E-04	2.18E-07	2.88E-08	3.23E-07	1.76E-07
547	489728.13, 3861408.47	7.74E-03	2.44E-06	3.22E-07	4.21E-03	1.33E-06	1.75E-07	6.83E-04	2.16E-07	2.85E-08	7.00E-04	2.21E-07	2.92E-08	3.23E-07	1.76E-07
548	489528.13, 3861458.47	7.38E-03	2.33E-06	3.08E-07	4.01E-03	1.27E-06	1.67E-07	6.44E-04	2.03E-07	2.68E-08	6.56E-04	2.07E-07	2.73E-08	3.08E-07	1.68E-07
549	489578.13, 3861458.47	7.39E-03	2.33E-06	3.08E-07	4.02E-03	1.27E-06	1.67E-07	6.50E-04	2.05E-07	2.71E-08	6.63E-04	2.09E-07	2.76E-08	3.08E-07	1.68E-07
550	489628.13, 3861458.47	7.40E-03	2.34E-06	3.08E-07	4.02E-03	1.27E-06	1.68E-07	6.56E-04	2.07E-07	2.73E-08	6.71E-04	2.12E-07	2.79E-08	3.09E-07	1.68E-07
551	489678.13, 3861458.47	7.40E-03	2.33E-06	3.08E-07	4.03E-03	1.27E-06	1.68E-07	6.63E-04	2.09E-07	2.76E-08	6.79E-04	2.14E-07	2.83E-08	3.09E-07	1.69E-07
552	489728.13, 3861458.47	7.40E-03	2.34E-06	3.08E-07	4.03E-03	1.27E-06	1.68E-07	6.69E-04	2.11E-07	2.79E-08	6.86E-04	2.16E-07	2.86E-08	3.09E-07	1.69E-07
553	489528.13, 3861508.47	7.08E-03	2.23E-06	2.95E-07	3.85E-03	1.22E-06	1.60E-07	6.31E-04	1.99E-07	2.63E-08	6.43E-04	2.03E-07	2.68E-08	2.95E-07	1.61E-07
554	489578.13, 3861508.47	7.09E-03	2.24E-06	2.95E-07	3.86E-03	1.22E-06	1.61E-07	6.38E-04	2.01E-07	2.66E-08	6.50E-04	2.05E-07	2.71E-08	2.96E-07	1.61E-07
555	489628.13, 3861508.47	7.08E-03	2.23E-06	2.95E-07	3.86E-03	1.22E-06	1.61E-07	6.44E-04	2.03E-07	2.68E-08	6.58E-04	2.08E-07	2.74E-08	2.95E-07	1.61E-07
556	489678.13, 3861508.47	7.09E-03	2.24E-06	2.95E-07	3.87E-03	1.22E-06	1.61E-07	6.49E-04	2.05E-07	2.70E-08	6.64E-04	2.10E-07	2.77E-08	2.96E-07	1.62E-07
557	489728.13, 3861508.47	7.09E-03	2.24E-06	2.96E-07	3.88E-03	1.22E-06	1.61E-07	6.55E-04	2.07E-07	2.73E-08	6.73E-04	2.12E-07	2.80E-08	2.96E-07	1.62E-07
558	489628.13, 3861558.47	6.81E-03	2.15E-06	2.84E-07	3.72E-03	1.18E-06	1.55E-07	6.31E-04	1.99E-07	2.63E-08	6.45E-04	2.03E-07	2.69E-08	2.84E-07	1.56E-07
559	489678.13, 3861558.47	6.81E-03	2.15E-06	2.84E-07	3.73E-03	1.18E-06	1.55E-07	6.38E-04	2.01E-07	2.66E-08	6.51E-04	2.06E-07	2.71E-08	2.84E-07	1.56E-07
560	489728.13, 3861558.47	6.82E-03	2.15E-06	2.84E-07	3.73E-03	1.18E-06	1.56E-07	6.44E-04	2.03E-07	2.68E-08	6.59E-04	2.08E-07	2.75E-08	2.85E-07	1.56E-07

561	489357.08, 3861015.81	1.32E-02	4.17E-06	5.50E-07	6.91E-03	2.18E-06	2.88E-07	7.52E-04	2.37E-07	3.13E-08	7.64E-04	2.41E-07	3.18E-08	5.50E-07	2.88E-07
562	489407.08, 3861015.81	1.31E-02	4.14E-06	5.46E-07	6.87E-03	2.17E-06	2.86E-07	7.60E-04	2.40E-07	3.17E-08	7.74E-04	2.44E-07	3.22E-08	5.47E-07	2.87E-07
563	489457.08, 3861015.81	1.30E-02	4.12E-06	5.44E-07	6.85E-03	2.16E-06	2.85E-07	7.68E-04	2.42E-07	3.20E-08	7.83E-04	2.47E-07	3.26E-08	5.44E-07	2.86E-07
564	489357.08, 3861065.81	1.21E-02	3.81E-06	5.03E-07	6.35E-03	2.00E-06	2.65E-07	7.36E-04	2.32E-07	3.07E-08	7.48E-04	2.36E-07	3.11E-08	5.03E-07	2.65E-07
565	489407.08, 3861065.81	1.20E-02	3.78E-06	4.99E-07	6.31E-03	1.99E-06	2.63E-07	7.43E-04	2.34E-07	3.09E-08	7.56E-04	2.39E-07	3.15E-08	5.00E-07	2.64E-07
566	489457.08, 3861065.81	1.19E-02	3.77E-06	4.97E-07	6.30E-03	1.99E-06	2.62E-07	7.50E-04	2.37E-07	3.13E-08	7.66E-04	2.42E-07	3.19E-08	4.98E-07	2.63E-07
567	489357.08, 3861115.81	1.11E-02	3.51E-06	4.64E-07	5.88E-03	1.86E-06	2.45E-07	7.21E-04	2.27E-07	3.00E-08	7.31E-04	2.31E-07	3.05E-08	4.64E-07	2.45E-07
568	489407.08, 3861115.81	1.11E-02	3.49E-06	4.61E-07	5.85E-03	1.85E-06	2.44E-07	7.27E-04	2.29E-07	3.03E-08	7.41E-04	2.34E-07	3.09E-08	4.61E-07	2.44E-07
569	489457.08, 3861115.81	1.10E-02	3.48E-06	4.59E-07	5.84E-03	1.84E-06	2.43E-07	7.35E-04	2.32E-07	3.06E-08	7.49E-04	2.36E-07	3.12E-08	4.60E-07	2.44E-07
570	489407.08, 3861165.81	1.03E-02	3.24E-06	4.28E-07	5.46E-03	1.72E-06	2.27E-07	7.11E-04	2.24E-07	2.96E-08	7.25E-04	2.29E-07	3.02E-08	4.28E-07	2.28E-07
571	489457.08, 3861165.81	1.02E-02	3.23E-06	4.26E-07	5.45E-03	1.72E-06	2.27E-07	7.19E-04	2.27E-07	3.00E-08	7.33E-04	2.31E-07	3.05E-08	4.27E-07	2.28E-07
572	489407.08, 3861215.81	9.59E-03	3.03E-06	3.99E-07	5.12E-03	1.61E-06	2.13E-07	6.96E-04	2.20E-07	2.90E-08	7.08E-04	2.24E-07	2.95E-08	4.00E-07	2.14E-07
573	489457.08, 3861215.81	9.57E-03	3.02E-06	3.99E-07	5.11E-03	1.61E-06	2.13E-07	7.02E-04	2.21E-07	2.92E-08	7.17E-04	2.26E-07	2.99E-08	3.99E-07	2.14E-07
574	489407.08, 3861265.81	9.01E-03	2.84E-06	3.76E-07	4.83E-03	1.52E-06	2.01E-07	6.80E-04	2.15E-07	2.83E-08	6.92E-04	2.18E-07	2.88E-08	3.76E-07	2.02E-07
575	489457.08, 3861265.81	8.98E-03	2.84E-06	3.74E-07	4.82E-03	1.52E-06	2.01E-07	6.86E-04	2.17E-07	2.86E-08	7.00E-04	2.21E-07	2.92E-08	3.75E-07	2.01E-07
576	489309.86, 3861110.14	1.14E-02	3.60E-06	4.76E-07	6.02E-03	1.90E-06	2.51E-07	7.14E-04	2.25E-07	2.98E-08	7.25E-04	2.29E-07	3.02E-08	4.76E-07	2.51E-07
577	489407.08, 3861315.81	8.53E-03	2.69E-06	3.55E-07	4.58E-03	1.45E-06	1.91E-07	6.66E-04	2.10E-07	2.77E-08	6.77E-04	2.14E-07	2.82E-08	3.56E-07	1.91E-07
578	489457.08, 3861315.81	8.50E-03	2.68E-06	3.54E-07	4.57E-03	1.44E-06	1.90E-07	6.72E-04	2.12E-07	2.80E-08	6.86E-04	2.16E-07	2.86E-08	3.55E-07	1.91E-07
579	488906.03, 3861006.75	1.21E-02	3.82E-06	5.05E-07	6.34E-03	2.00E-06	2.64E-07	6.94E-04	2.19E-07	2.89E-08	6.95E-04	2.19E-07	2.90E-08	5.05E-07	2.64E-07
580	488956.03, 3861006.75	1.22E-02	3.85E-06	5.09E-07	6.40E-03	2.02E-06	2.66E-07	7.00E-04	2.21E-07	2.92E-08	7.04E-04	2.22E-07	2.93E-08	5.09E-07	2.67E-07
581	488904.24, 3861051.87	1.11E-02	3.49E-06	4.61E-07	5.83E-03	1.84E-06	2.43E-07	6.83E-04	2.16E-07	2.85E-08	6.84E-04	2.16E-07	2.85E-08	4.61E-07	2.43E-07
582	488954.24, 3861051.87	1.11E-02	3.51E-06	4.64E-07	5.86E-03	1.85E-06	2.44E-07	6.88E-04	2.17E-07	2.87E-08	6.90E-04	2.18E-07	2.88E-08	4.64E-07	2.44E-07
583	489004.24, 3861051.87	1.13E-02	3.56E-06	4.70E-07	5.94E-03	1.87E-06	2.47E-07	6.96E-04	2.20E-07	2.90E-08	6.99E-04	2.20E-07	2.91E-08	4.70E-07	2.47E-07
584	488804.24, 3861101.87	9.90E-03	3.13E-06	4.13E-07	5.25E-03	1.66E-06	2.19E-07	6.58E-04	2.08E-07	2.74E-08	6.56E-04	2.07E-07	2.73E-08	4.13E-07	2.18E-07
585	488854.24, 3861101.87	9.99E-03	3.15E-06	4.16E-07	5.29E-03	1.67E-06	2.20E-07	6.64E-04	2.10E-07	2.77E-08	6.64E-04	2.10E-07	2.77E-08	4.16E-07	2.20E-07
586	488904.24, 3861101.87	1.00E-02	3.17E-06	4.18E-07	5.31E-03	1.68E-06	2.21E-07	6.67E-04	2.11E-07	2.78E-08	6.69E-04	2.11E-07	2.79E-08	4.18E-07	2.21E-07
587	488954.24, 3861101.87	1.01E-02	3.19E-06	4.22E-07	5.36E-03	1.69E-06	2.23E-07	6.74E-04	2.13E-07	2.81E-08	6.76E-04	2.13E-07	2.82E-08	4.22E-07	2.23E-07
588	489004.24, 3861101.87	1.02E-02	3.23E-06	4.26E-07	5.42E-03	1.71E-06	2.26E-07	6.78E-04	2.14E-07	2.83E-08	6.82E-04	2.15E-07	2.84E-08	4.26E-07	2.26E-07
589	488804.24, 3861151.87	9.08E-03	2.87E-06	3.78E-07	4.83E-03	1.53E-06	2.01E-07	6.44E-04	2.03E-07	2.68E-08	6.41E-04	2.02E-07	2.67E-08	3.78E-07	2.01E-07
590	488854.24, 3861151.87	9.14E-03	2.88E-06	3.81E-07	4.87E-03	1.54E-06	2.03E-07	6.49E-04	2.05E-07	2.70E-08	6.48E-04	2.05E-07	2.70E-08	3.81E-07	2.03E-07
591	489129.49, 3861187.55	9.54E-03	3.01E-06	3.98E-07	5.08E-03	1.60E-06	2.11E-07	6.69E-04	2.11E-07	2.79E-08	6.74E-04	2.13E-07	2.81E-08	3.98E-07	2.12E-07
592	489179.49, 3861187.55	1.06E-02	3.35E-06	4.42E-07	5.60E-03	1.77E-06	2.33E-07	6.75E-04	2.13E-07	2.81E-08	6.81E-04	2.15E-07	2.84E-08	4.42E-07	2.33E-07
593	488804.24, 3861201.87	8.46E-03	2.67E-06	3.52E-07	4.52E-03	1.43E-06	1.88E-07	6.31E-04	1.99E-07	2.63E-08	6.30E-04	1.99E-07	2.62E-08	3.52E-07	1.88E-07
594	488854.24, 3861201.87	8.50E-03	2.68E-06	3.54E-07	4.55E-03	1.44E-06	1.90E-07	6.36E-04	2.01E-07	2.65E-08	6.35E-04	2.00E-07	2.65E-08	3.54E-07	1.90E-07
595	489129.49, 3861237.55	8.96E-03	2.83E-06	3.73E-07	4.79E-03	1.51E-06	1.99E-07	6.56E-04	2.07E-07	2.73E-08	6.61E-04	2.09E-07	2.75E-08	3.73E-07	2.00E-07
596	489179.49, 3861237.55	1.00E-02	3.17E-06	4.18E-07	5.31E-03	1.68E-06	2.21E-07	6.61E-04	2.09E-07	2.75E-08	6.68E-04	2.11E-07	2.78E-08	4.19E-07	2.22E-07
597	488804.24, 3861251.87	7.92E-03	2.50E-06	3.30E-07	4.26E-03	1.34E-06	1.77E-07	6.20E-04	1.96E-07	2.58E-08	6.19E-04	1.95E-07	2.58E-08	3.30E-07	1.77E-07
598	488854.24, 3861251.87	7.98E-03	2.52E-06	3.32E-07	4.29E-03	1.35E-06	1.79E-07	6.23E-04	1.97E-07	2.60E-08	6.24E-04	1.97E-07	2.60E-08	3.32E-07	1.79E-07
599	488804.24, 3861301.87	7.46E-03	2.36E-06	3.11E-07	4.03E-03	1.27E-06	1.68E-07	6.08E-04	1.92E-07	2.53E-08	6.06E-04	1.91E-07	2.52E-08	3.11E-07	1.68E-07
600	488854.24, 3861301.87	7.53E-03	2.38E-06	3.14E-07	4.06E-03	1.28E-06	1.69E-07	6.13E-04	1.93E-07	2.55E-08	6.12E-04	1.93E-07	2.55E-08	3.13E-07	1.69E-07
601	490943.5, 3860181.97	3.40E-02	1.07E-05	1.42E-06	1.97E-02	6.23E-06	8.22E-07	4.91E-03	1.55E-06	2.04E-07	5.09E-03	1.61E-06	2.12E-07	1.43E-06	8.30E-07
602	490993.5, 3860181.97	3.54E-02	1.12E-05	1.48E-06	2.08E-02	6.57E-06	8.67E-07	5.53E-03	1.75E-06	2.30E-07	5.77E-03	1.82E-06	2.40E-07	1.49E-06	8.77E-07
603	491043.5, 3860181.97	3.75E-02	1.18E-05	1.56E-06	2.24E-02	7.07E-06	9.33E-07	6.39E-03	2.02E-06	2.66E-07	6.69E-03	2.11E-06	2.79E-07	1.58E-06	9.46E-07
604	491093.5, 3860181.97	4.08E-02	1.29E-05	1.70E-06	2.48E-02	7.82E-06	1.03E-06	7.61E-03	2.40E-06	3.17E-07	8.03E-03	2.53E-06	3.34E-07	1.72E-06	1.05E-06
605	490943.5, 3860231.97	3.11E-02	9.82E-06	1.30E-06	1.78E-02	5.63E-06	7.43E-07	4.14E-03	1.31E-06	1.73E-07	4.29E-03	1.35E-06	1.79E-07	1.30E-06	7.49E-07
606	490993.5, 3860231.97	3.21E-02	1.01E-05	1.34E-06	1.86E-02	5.86E-06	7.74E-07	4.60E-03	1.45E-06	1.92E-07	4.78E-03	1.51E-06	1.99E-07	1.34E-06	7.81E-07
607	491043.5, 3860231.97	3.33E-02	1.05E-05	1.39E-06	1.96E-02	6.17E-06	8.15E-07	5.16E-03	1.63E-06	2.15E-07	5.38E-03	1.70E-06	2.24E-07	1.40E-06	8.24E-07
608	491093.5, 3860231.97	3.53E-02	1.11E-05	1.47E-06	2.10E-02	6.63E-06	8.75E-07	5.93E-03	1.87E-06	2.47E-07	6.20E-03	1.96E-06	2.58E-07	1.48E-06	8.87E-07
609	490943.5, 3860281.97	2.88E-02	9.09E-06	1.20E-06	1.63E-02	5.16E-06	6.81E-07	3.60E-03	1.13E-06	1.50E-07	3.71E-03	1.17E-06	1.55E-07	1.20E-06	6.85E-07
610	490993.5, 3860281.97	2.94E-02	9.27E-06	1.22E-06	1.68E-02	5.31E-06	7.01E-07	3.94E-03	1.24E-06	1.64E-07	4.07E-03	1.29E-06	1.70E-07	1.23E-06	7.07E-07
611	491043.5, 3860281.97	3.02E-02	9.52E-06	1.26E-06	1.75E-02	5.52E-06	7.28E-07	4.34E-03	1.37E-06	1.81E-07	4.51E-03	1.42E-06	1.88E-07	1.26E-06	7.35E-07
612	491093.5, 3860281.97	3.13E-02	9.89E-06	1.30E-06	1.84E-02	5.80E-06	7.66E-07	4.87E-03	1.54E-06	2.03E-07	5.06E-03	1.60E-06	2.11E-07	1.31E-06	7.74E-07
613	490943.5, 3860331.97	2.68E-02	8.46E-06	1.12E-06	1.51E-02	4.76E-06	6.29E-07	3.18E-03	1.00E-06	1.33E-07	3.28E-03	1.03E-06	1.37E-07	1.12E-06	6.33E-07
614	490993.5, 3860331.97	2.71E-02	8.55E-06	1.13E-06	1.54E-02	4.86E-06	6.41E-07	3.43E-03	1.08E-06	1.43E-07	3.54E-03	1.12E-06	1.48E-07	1.13E-06	6.46E-07
615	491043.5, 3860331.97	2.76E-02	8.70E-06	1.15E-06	1.58E-02	5.00E-06	6.60E-07	3.74E-03	1.18E-06	1.56E-07	3.86E-03	1.22E-06	1.61E-07	1.15E-06	6.65E-07
616	491093.5, 3860331.97	2.83E-02	8.92E-06	1.18E-06	1.64E-02	5.18E-06	6.84E-07	4.13E-03	1.30E-06	1.72E-07	4.27E-03	1.35E-06	1.78E-07	1.18E-06	6.90E-07
617	490086.72, 3859935.12	4.29E-02	1.36E-05	1.79E-06	2.29E-02	7.24E-06	9.56E-07	3.16E-03	9.97E-07	1.32E-07	3.23E-03	1.02E-06	1.35E-07	1.79E-06	9.59E-07
618	490136.72, 3859935.12	4.24E-02	1.34E-05	1.77E-06	2.28E-02	7.20E-06	9.51E-07	3.36E-03	1.06E-06	1.40E-07	3.44E-03	1.08E-06	1.43E-07	1.77E-06	9.54E-07
619	490186.72, 3859935.12	4.20E-02	1.33E-05	1.75E-06	2.28E-02	7.19E-06	9.49E-07	3.59E-03	1.13E-06	1.50E-07	3.67E-03	1.16E-06	1.53E-07	1.76E-06	9.53E-07
620	490236.72, 3859935.12	4.18E-02	1.32E-05	1.74E-06	2.28E-02	7.21E-06	9.51E-07	3.85E-03	1.22E-06	1.60E-07	3.94E-03	1.24E-06	1.64E-07	1.74E-06	9.55E-07
621	490286.72, 3859935.12	4.17E-02	1.31E-05	1.74E-06	2.30E-02	7.25E-06	9.56E-07	4.15E-03	1.31E-06	1.73E-07	4.24E-03	1.34E-06	1.77E-07	1.74E-06	9.60E-07
622	490336.72, 3859935.12	4.17E-02	1.32E-05	1.74E-06	2.32E-02	7.32E-06	9.66E-07	4.49E-03	1.42E-06	1.87E-07	4.60E-03	1.45E-06	1.91E-07	1.74E-06	9.70E-07
623	490386.72, 3859935.12	4.19E-02	1.32E-05	1.75E-06	2.36E-02	7.44E-06	9.82E-07	4.91E-03	1.55E-06	2.05E-07	5.02E-03	1.59E-06	2.09E-07	1.75E-06	9.87E-07
624	490436.72, 3859935.12	4.24E-02	1.34E-05	1.77E-06	2.41E-02	7.61E-06	1.00E-06	5.42E-03	1.71E-06	2.26E-07	5.54E-03	1.75E-06	2.31E-07	1.77E-06	1.01E-06
625	490486.72, 3859935.12	4.31E-02	1.36E-05	1.80E-06	2.49E-02	7.86E-06	1.04E-06	6.04E-03	1.91E-06	2.52E-07	6.17E-03	1.95E-06	2.57E-07	1.80E-06	1.04E-06
626	490536.72, 3859935.12	4.45E-02	1.40E-05	1.85E-06	2.61E-02	8.23E-06	1.09E-06	6.89E-03	2.17E-06	2.87E-07	7.03E-03	2.22E-06	2.93E-07	1.86E-06	1.09E-06
627	490586.72, 3859935.12	4.64E-02	1.46E-05	1.93E-06	2.78E-02	8.76E-06	1.16E-06	8.03E-03	2.53E-06	3.35E-07	8.17E-03	2.58E-06	3.40E-07	1.94E-06	1.16E-06
628	490636.72, 3859935.12	4.91E-02	1.55E-05	2.04E-06	3.00E-02	9.47E-06	1.25E-06	9.51E-03	3.00E-06	3.96E-07	9.63E-03	3.04E-06	4.01E-07	2.05E-06	1.26E-06
629	490686.72, 3859935.12	5.34E-02	1.69E-05	2.22E-06	3.36E-02	1.06E-05	1.40E-06	1.18E-02	3.72E-06	4.91E-07	1.18E-02	3.74E-06	4.94E-07	2.23E-06	1.40E-06
630	490736.72, 3859935.12	5.99E-02	1.89E-05	2.50E-06	3.89E-02	1.23E-05	1.62E-06	1.51E-02	4.76E-06	6.29E-07	1.50E-02	4.73E-06	6.25E-07	2.49E-06	1.62E-06
631	490086.72, 3859985.12	4.17E-02	1.32E-05	1.74E-06	2.21E-02	6.97E-06	9.20E-07	2.77E-03	8.76E-07	1.16E-07	2.83E-03	8.94E-07	1.18E-07	1.74E-06	9.22E-07
632	490136.72, 3859985.12	4.10E-02	1.29E-05	1.71E-06	2.18E-02	6.90E-06	9.10E-07	2.92E-03	9.22E-07	1.22E-07	2.99E-03	9.42E-07	1.24E-07	1.71E-06	9.13E-07
633	490186.72, 3859985.12	4.05E-02	1.28E-05	1.69E-06	2.17E-02	6.85E-06	9.04E-07	3.09E-03	9.75E-07	1.29E-07	3.16E-03	9.97E-07	1.32E-07	1.69E-06	9.07E-07
634	490236.72, 3859985.12	4.01E-02	1.26E-05	1.67E-06	2.16E-02	6.82E-06	9.01E-07	3.28E-03	1.04E-06	1.37E-07	3.36E-03	1.06E-06	1.40E-07	1.67E-06	9.04E-07
635	490286.72, 3859985.12	3.97E-02	1.25E-05	1.65E-06	2.16E-02	6.81E-06	8.99E-07	3.49E-03	1.10E-06	1.46E-07	3.57E-03	1.13E-06	1.49E-07	1.66E-06	9.03E-07
636	490336.72, 3859985.12	3.95E-02	1.25E-05	1.64E-06	2.16E-02	6.83E-06	9.01E-07	3.73E-03	1.18E-06	1.55E-07	3.81E-03	1.20E-06	1.59E-07	1.65E-06	9.04E-07
637	490386.72, 3859985.12	3.94E-02	1.24E-05	1.64E-06	2.17E-02	6.86E-06	9.06E-07	3.99E-03	1.26E-06	1.66E-07	4.08E-03	1.29E-06	1.70E-07	1.64E-06	9.09E-07
638	490436.72, 3859985.12	3.94E-02	1.24E-05	1.64E-06	2.20E-02	6.93E-06	9.15E-07	4.31E-03	1.36E-06	1.80E-07	4.40E-03	1.39E-06	1.83E-07	1.65E-06	9.19E-07
639	490486.72, 3859985.12	3.97E-02	1.25E-05	1.65E-06	2.23E-02	7.05E-06	9.31E-07	4.69E-03	1.48E-06	1.95E-07	4.79E-03	1.51E-06	2.00E-07	1.66E-06	9.35E-07
640	490536.72, 3859985.12	4.02E-02	1.27E-05	1.68E-06	2.29E-02	7.23E-06	9.55E-07	5.17E-03	1.63E-06	2.15E-07	5.28E-03	1.67E-06	2.20E-07	1.68E-06	9.59E-07
641	490586.72, 3859985.12	4.11E-02	1.30E-05	1.71E-06	2.37E-02	7.49E-06	9.89E-07	5.77E-03	1.82E-06	2.40E-07	5.88E-03	1.86E-06	2.45E-07	1.72E-06	9.94E-07
642	490636.72, 3859985.12	4.24E-02	1.34E-05	1.77E-06	2.49E-02	7.85E-06	1.04E-06	6.53E-03	2.06E-06	2.72E-07	6.65E-03	2.10E-06	2.77E-07	1.77E-06	1.04E-06
643	490686.72, 3859985.12	4.45E-02	1.40E-05	1.85E-06	2.65E-02	8.37E-06	1.11E-06	7.56E-03	2.39E-06	3.15E-07	7.68E-03	2.42E-06	3.20E-07	1.86E-06	1.11E-06
644	490736.72, 3859985.12	4.72E-02	1.49E-05	1.97E-06	2.87E-02	9.06E-06	1.20E-06	8.85E-03	2.79E-06	3.69E-07	8.94E-03	2.82E-06	3.72E-07	1.97E-06	1.20E-06
645	490786.72, 3859985.12	5.16E-02	1.63E-05	2.15E-06	3.20E-02	1.01E-05	1.33E-06	1.07E-02	3.36E-06	4.44E-07	1.07E-02	3.37E-06	4.45E-07	2.15E-06	1.33E-06
646	490086.72, 3860035.12	4.05E-02	1.28E-05	1.69E-06	2.13E-02	6.73E-06	8.89E-07	2.48E-03	7.83E-07	1.03E-07	2.53E-03	7.99E-07	1.05E-07	1.69E-06	8.91E-07
647	490136.72, 3860035.12	3.98E-02	1.26E-05	1.66E-06	2.10E-02	6.64E-06	8.77E-07	2.60E-03	8.19E-07	1.08E-07	2.65E-03	8.37E-07	1.10E-07	1.66E-06	8.79E-07
648	490186.72, 3860035.12	3.91E-02	1.23E-05	1.63E-06	2.08E-02	6.56E-06	8.67E-07	2.72E-03	8.60E-07	1.13E-07	2.78E-03	8.78E-07	1.16E-07	1.63E-06	8.69E-07
649	490236.72, 3860035.12	3.86E-02	1.22E-05	1.61E-06	2.06E-02	6.51E-06	8.59E-07	2.87E-03	9.05E-07	1.19E-07	2.93E-03	9.24E-07	1.22E-07	1.61E-06	8.62E-07
650	490286.72, 3860035.12	3.81E-02	1.20E-05	1.59E-06	2.05E-02	6.46E-06	8.53E-07	3.02E-03	9.53E-07	1.26E-07	3.09E-03	9.74E-07	1.29E-07	1.59E-06	8.56E-07
651	490336.72, 3860035.12	3.77E-02	1.19E-05	1.57E-06	2.04E-02	6.45E-06	8.51E-07	3.20E-03	1.01E-06	1.33E-07	3.27E-03	1.03E-06	1.36E-07	1.57E-06	8.54E-07
652	490386.72, 3860035.12	3.74E-02	1.18E-05	1.56E-06	2.04E-02	6.44E-06	8.50E-07	3.39E-03	1.07E-06	1.41E-07	3.46E-03	1.09E-06	1.44E-07	1.56E-06	8.53E-07
653	490436.72, 3860035.12	3.73E-02	1.18E-05	1.55E-06	2.05E-02	6.46E-06	8.53E-07	3.61E-03	1.14E-06	1.50E-07	3.68E-03	1.16E-06	1.53E-07	1.56E-06	8.56E-07
654	490486.72, 3860035.12	3.72E-02	1.18E-05	1.55E-06	2.06E-02	6.51E-06	8.59E-07	3.86E-03	1.22E-06	1.61E-07	3.94E-03	1.24E-06	1.64E-07	1.56E-06	8.62E-07

655	490536.72, 3860035.12	3.74E-02	1.18E-05	1.56E-06	2.09E-02	6.60E-06	8.71E-07	4.17E-03	1.32E-06	1.74E-07	4.26E-03	1.34E-06	1.77E-07	1.56E-06	8.75E-07
656	490586.72, 3860035.12	3.78E-02	1.19E-05	1.57E-06	2.13E-02	6.73E-06	8.88E-07	4.53E-03	1.43E-06	1.89E-07	4.63E-03	1.46E-06	1.93E-07	1.58E-06	8.92E-07
657	490636.72, 3860035.12	3.84E-02	1.21E-05	1.60E-06	2.19E-02	6.90E-06	9.11E-07	4.95E-03	1.56E-06	2.06E-07	5.05E-03	1.59E-06	2.11E-07	1.60E-06	9.15E-07
658	490686.72, 3860035.12	3.93E-02	1.24E-05	1.64E-06	2.27E-02	7.16E-06	9.46E-07	5.50E-03	1.74E-06	2.29E-07	5.62E-03	1.77E-06	2.34E-07	1.64E-06	9.50E-07
659	490736.72, 3860035.12	4.09E-02	1.29E-05	1.70E-06	2.39E-02	7.55E-06	9.97E-07	6.24E-03	1.97E-06	2.60E-07	6.36E-03	2.01E-06	2.65E-07	1.71E-06	1.00E-06
660	490786.72, 3860035.12	4.28E-02	1.35E-05	1.78E-06	2.54E-02	8.02E-06	1.06E-06	7.09E-03	2.24E-06	2.96E-07	7.23E-03	2.28E-06	3.01E-07	1.79E-06	1.06E-06
661	490836.72, 3860035.12	4.56E-02	1.44E-05	1.90E-06	2.75E-02	8.68E-06	1.15E-06	8.23E-03	2.60E-06	3.43E-07	8.40E-03	2.65E-06	3.50E-07	1.91E-06	1.15E-06
662	490086.72, 3860085.12	3.96E-02	1.25E-05	1.65E-06	2.07E-02	6.54E-06	8.63E-07	2.25E-03	7.11E-07	9.39E-08	2.30E-03	7.26E-07	9.58E-08	1.65E-06	8.65E-07
663	490136.72, 3860085.12	3.86E-02	1.22E-05	1.61E-06	2.03E-02	6.41E-06	8.47E-07	2.34E-03	7.39E-07	9.75E-08	2.39E-03	7.54E-07	9.95E-08	1.61E-06	8.49E-07
664	490186.72, 3860085.12	3.79E-02	1.20E-05	1.58E-06	2.00E-02	6.32E-06	8.35E-07	2.45E-03	7.72E-07	1.02E-07	2.50E-03	7.89E-07	1.04E-07	1.58E-06	8.37E-07
665	490236.72, 3860085.12	3.73E-02	1.18E-05	1.55E-06	1.98E-02	6.24E-06	8.24E-07	2.56E-03	8.07E-07	1.07E-07	2.61E-03	8.25E-07	1.09E-07	1.55E-06	8.26E-07
666	490286.72, 3860085.12	3.67E-02	1.16E-05	1.53E-06	1.96E-02	6.18E-06	8.16E-07	2.68E-03	8.45E-07	1.12E-07	2.74E-03	8.63E-07	1.14E-07	1.53E-06	8.18E-07
667	490336.72, 3860085.12	3.62E-02	1.14E-05	1.51E-06	1.94E-02	6.13E-06	8.09E-07	2.81E-03	8.86E-07	1.17E-07	2.87E-03	9.05E-07	1.19E-07	1.51E-06	8.12E-07
668	490386.72, 3860085.12	3.58E-02	1.13E-05	1.49E-06	1.93E-02	6.10E-06	8.05E-07	2.95E-03	9.32E-07	1.23E-07	3.01E-03	9.52E-07	1.26E-07	1.49E-06	8.08E-07
669	490436.72, 3860085.12	3.55E-02	1.12E-05	1.48E-06	1.93E-02	6.09E-06	8.03E-07	3.11E-03	9.83E-07	1.30E-07	3.18E-03	1.00E-06	1.32E-07	1.48E-06	8.06E-07
670	490486.72, 3860085.12	3.53E-02	1.11E-05	1.47E-06	1.93E-02	6.09E-06	8.04E-07	3.29E-03	1.04E-06	1.37E-07	3.36E-03	1.06E-06	1.40E-07	1.47E-06	8.07E-07
671	490536.72, 3860085.12	3.53E-02	1.11E-05	1.47E-06	1.94E-02	6.13E-06	8.09E-07	3.51E-03	1.11E-06	1.46E-07	3.59E-03	1.13E-06	1.49E-07	1.47E-06	8.12E-07
672	490586.72, 3860085.12	3.53E-02	1.12E-05	1.47E-06	1.96E-02	6.20E-06	8.18E-07	3.76E-03	1.19E-06	1.57E-07	3.84E-03	1.21E-06	1.60E-07	1.48E-06	8.21E-07
673	490636.72, 3860085.12	3.56E-02	1.12E-05	1.48E-06	1.99E-02	6.29E-06	8.30E-07	4.05E-03	1.28E-06	1.69E-07	4.14E-03	1.31E-06	1.72E-07	1.49E-06	8.34E-07
674	490686.72, 3860085.12	3.61E-02	1.14E-05	1.50E-06	2.04E-02	6.44E-06	8.50E-07	4.40E-03	1.39E-06	1.83E-07	4.50E-03	1.42E-06	1.88E-07	1.51E-06	8.54E-07
675	490736.72, 3860085.12	3.68E-02	1.16E-05	1.53E-06	2.10E-02	6.64E-06	8.76E-07	4.83E-03	1.52E-06	2.01E-07	4.95E-03	1.56E-06	2.06E-07	1.54E-06	8.81E-07
676	490786.72, 3860085.12	3.79E-02	1.19E-05	1.58E-06	2.19E-02	6.91E-06	9.12E-07	5.36E-03	1.69E-06	2.23E-07	5.51E-03	1.74E-06	2.29E-07	1.58E-06	9.18E-07
677	490836.72, 3860085.12	3.92E-02	1.24E-05	1.63E-06	2.29E-02	7.24E-06	9.56E-07	6.00E-03	1.89E-06	2.50E-07	6.17E-03	1.95E-06	2.57E-07	1.64E-06	9.63E-07
678	490086.72, 3860135.12	3.84E-02	1.21E-05	1.60E-06	2.00E-02	6.32E-06	8.34E-07	2.05E-03	6.48E-07	8.56E-08	2.09E-03	6.60E-07	8.71E-08	1.60E-06	8.35E-07
679	490136.72, 3860135.12	3.75E-02	1.18E-05	1.56E-06	1.96E-02	6.20E-06	8.18E-07	2.13E-03	6.73E-07	8.88E-08	2.17E-03	6.86E-07	9.06E-08	1.56E-06	8.19E-07
680	490186.72, 3860135.12	3.67E-02	1.16E-05	1.53E-06	1.93E-02	6.09E-06	8.04E-07	2.22E-03	7.01E-07	9.25E-08	2.27E-03	7.15E-07	9.44E-08	1.53E-06	8.06E-07
681	490236.72, 3860135.12	3.60E-02	1.14E-05	1.50E-06	1.90E-02	6.00E-06	7.92E-07	2.31E-03	7.29E-07	9.62E-08	2.36E-03	7.44E-07	9.83E-08	1.50E-06	7.94E-07
682	490286.72, 3860135.12	3.54E-02	1.12E-05	1.47E-06	1.88E-02	5.92E-06	7.82E-07	2.41E-03	7.60E-07	1.00E-07	2.46E-03	7.77E-07	1.03E-07	1.48E-06	7.84E-07
683	490336.72, 3860135.12	3.48E-02	1.10E-05	1.45E-06	1.86E-02	5.86E-06	7.73E-07	2.51E-03	7.93E-07	1.05E-07	2.57E-03	8.11E-07	1.07E-07	1.45E-06	7.76E-07
684	490386.72, 3860135.12	3.43E-02	1.08E-05	1.43E-06	1.84E-02	5.81E-06	7.67E-07	2.63E-03	8.29E-07	1.09E-07	2.69E-03	8.48E-07	1.12E-07	1.43E-06	7.69E-07
685	490436.72, 3860135.12	3.39E-02	1.07E-05	1.41E-06	1.83E-02	5.77E-06	7.62E-07	2.75E-03	8.68E-07	1.15E-07	2.81E-03	8.88E-07	1.17E-07	1.42E-06	7.64E-07
686	490486.72, 3860135.12	3.36E-02	1.06E-05	1.40E-06	1.82E-02	5.75E-06	7.59E-07	2.89E-03	9.13E-07	1.20E-07	2.96E-03	9.33E-07	1.23E-07	1.40E-06	7.62E-07
687	490536.72, 3860135.12	3.34E-02	1.06E-05	1.39E-06	1.82E-02	5.76E-06	7.60E-07	3.06E-03	9.65E-07	1.27E-07	3.12E-03	9.86E-07	1.30E-07	1.40E-06	7.63E-07
688	490586.72, 3860135.12	3.34E-02	1.05E-05	1.39E-06	1.83E-02	5.78E-06	7.63E-07	3.24E-03	1.02E-06	1.35E-07	3.31E-03	1.05E-06	1.38E-07	1.39E-06	7.66E-07
689	490636.72, 3860135.12	3.34E-02	1.05E-05	1.39E-06	1.85E-02	5.83E-06	7.70E-07	3.45E-03	1.09E-06	1.44E-07	3.53E-03	1.11E-06	1.47E-07	1.39E-06	7.73E-07
690	490686.72, 3860135.12	3.35E-02	1.06E-05	1.40E-06	1.87E-02	5.91E-06	7.79E-07	3.69E-03	1.17E-06	1.54E-07	3.78E-03	1.19E-06	1.57E-07	1.40E-06	7.83E-07
691	490736.72, 3860135.12	3.39E-02	1.07E-05	1.41E-06	1.91E-02	6.02E-06	7.94E-07	3.98E-03	1.26E-06	1.66E-07	4.09E-03	1.29E-06	1.70E-07	1.42E-06	7.99E-07
692	490786.72, 3860135.12	3.45E-02	1.09E-05	1.44E-06	1.96E-02	6.18E-06	8.16E-07	4.34E-03	1.37E-06	1.81E-07	4.46E-03	1.41E-06	1.86E-07	1.44E-06	8.21E-07
693	490836.72, 3860135.12	3.52E-02	1.11E-05	1.47E-06	2.02E-02	6.38E-06	8.42E-07	4.76E-03	1.50E-06	1.98E-07	4.91E-03	1.55E-06	2.04E-07	1.47E-06	8.48E-07
694	490086.72, 3860185.12	3.73E-02	1.18E-05	1.55E-06	1.94E-02	6.11E-06	8.07E-07	1.89E-03	5.98E-07	7.89E-08	1.93E-03	6.08E-07	8.03E-08	1.55E-06	8.08E-07
695	490136.72, 3860185.12	3.63E-02	1.15E-05	1.51E-06	1.90E-02	5.98E-06	7.90E-07	1.96E-03	6.20E-07	8.18E-08	2.00E-03	6.31E-07	8.33E-08	1.52E-06	7.91E-07
696	490186.72, 3860185.12	3.55E-02	1.12E-05	1.48E-06	1.86E-02	5.87E-06	7.75E-07	2.03E-03	6.42E-07	8.48E-08	2.08E-03	6.55E-07	8.65E-08	1.48E-06	7.76E-07
697	490236.72, 3860185.12	3.47E-02	1.10E-05	1.45E-06	1.83E-02	5.77E-06	7.61E-07	2.11E-03	6.66E-07	8.79E-08	2.15E-03	6.80E-07	8.98E-08	1.45E-06	7.63E-07
698	490286.72, 3860185.12	3.41E-02	1.07E-05	1.42E-06	1.80E-02	5.68E-06	7.50E-07	2.19E-03	6.92E-07	9.13E-08	2.24E-03	7.07E-07	9.33E-08	1.42E-06	7.51E-07
699	490336.72, 3860185.12	3.34E-02	1.06E-05	1.39E-06	1.78E-02	5.60E-06	7.40E-07	2.28E-03	7.19E-07	9.49E-08	2.33E-03	7.36E-07	9.71E-08	1.40E-06	7.42E-07
700	490386.72, 3860185.12	3.29E-02	1.04E-05	1.37E-06	1.76E-02	5.54E-06	7.31E-07	2.37E-03	7.49E-07	9.88E-08	2.43E-03	7.66E-07	1.01E-07	1.37E-06	7.33E-07
701	490436.72, 3860185.12	3.25E-02	1.02E-05	1.35E-06	1.74E-02	5.49E-06	7.25E-07	2.48E-03	7.81E-07	1.03E-07	2.53E-03	8.00E-07	1.06E-07	1.36E-06	7.27E-07
702	490486.72, 3860185.12	3.21E-02	1.01E-05	1.34E-06	1.73E-02	5.46E-06	7.20E-07	2.59E-03	8.17E-07	1.08E-07	2.65E-03	8.36E-07	1.10E-07	1.34E-06	7.23E-07
703	490536.72, 3860185.12	3.18E-02	1.00E-05	1.33E-06	1.72E-02	5.44E-06	7.18E-07	2.72E-03	8.57E-07	1.13E-07	2.78E-03	8.77E-07	1.16E-07	1.33E-06	7.21E-07
704	490586.72, 3860185.12	3.16E-02	9.98E-06	1.32E-06	1.72E-02	5.44E-06	7.18E-07	2.86E-03	9.03E-07	1.19E-07	2.93E-03	9.25E-07	1.22E-07	1.32E-06	7.21E-07
705	490636.72, 3860185.12	3.15E-02	9.94E-06	1.31E-06	1.73E-02	5.46E-06	7.20E-07	3.02E-03	9.54E-07	1.26E-07	3.09E-03	9.77E-07	1.29E-07	1.32E-06	7.23E-07
706	490686.72, 3860185.12	3.15E-02	9.95E-06	1.31E-06	1.74E-02	5.50E-06	7.26E-07	3.21E-03	1.01E-06	1.34E-07	3.29E-03	1.04E-06	1.37E-07	1.32E-06	7.29E-07
707	490736.72, 3860185.12	3.16E-02	9.98E-06	1.32E-06	1.76E-02	5.55E-06	7.33E-07	3.42E-03	1.08E-06	1.42E-07	3.51E-03	1.11E-06	1.46E-07	1.32E-06	7.37E-07
708	490786.72, 3860185.12	3.19E-02	1.01E-05	1.33E-06	1.79E-02	5.65E-06	7.45E-07	3.68E-03	1.16E-06	1.53E-07	3.78E-03	1.19E-06	1.57E-07	1.33E-06	7.50E-07
709	490836.72, 3860185.12	3.23E-02	1.02E-05	1.35E-06	1.83E-02	5.77E-06	7.62E-07	3.98E-03	1.26E-06	1.66E-07	4.10E-03	1.30E-06	1.71E-07	1.35E-06	7.67E-07
710	490086.72, 3860235.12	3.61E-02	1.14E-05	1.50E-06	1.87E-02	5.90E-06	7.79E-07	1.76E-03	5.56E-07	7.34E-08	1.79E-03	5.66E-07	7.47E-08	1.50E-06	7.80E-07
711	490136.72, 3860235.12	3.51E-02	1.11E-05	1.46E-06	1.83E-02	5.77E-06	7.61E-07	1.82E-03	5.75E-07	7.58E-08	1.85E-03	5.85E-07	7.73E-08	1.46E-06	7.62E-07
712	490186.72, 3860235.12	3.43E-02	1.08E-05	1.43E-06	1.79E-02	5.65E-06	7.45E-07	1.88E-03	5.94E-07	7.84E-08	1.92E-03	6.06E-07	8.00E-08	1.43E-06	7.47E-07
713	490236.72, 3860235.12	3.35E-02	1.06E-05	1.39E-06	1.75E-02	5.54E-06	7.31E-07	1.95E-03	6.15E-07	8.11E-08	1.99E-03	6.27E-07	8.28E-08	1.40E-06	7.33E-07
714	490286.72, 3860235.12	3.28E-02	1.03E-05	1.36E-06	1.72E-02	5.44E-06	7.18E-07	2.02E-03	6.36E-07	8.40E-08	2.06E-03	6.50E-07	8.58E-08	1.37E-06	7.20E-07
715	490336.72, 3860235.12	3.21E-02	1.01E-05	1.34E-06	1.70E-02	5.36E-06	7.08E-07	2.09E-03	6.60E-07	8.71E-08	2.14E-03	6.75E-07	8.91E-08	1.34E-06	7.10E-07
716	490386.72, 3860235.12	3.16E-02	9.96E-06	1.31E-06	1.68E-02	5.29E-06	6.98E-07	2.17E-03	6.85E-07	9.04E-08	2.22E-03	7.01E-07	9.26E-08	1.32E-06	7.01E-07
717	490436.72, 3860235.12	3.11E-02	9.81E-06	1.29E-06	1.66E-02	5.23E-06	6.91E-07	2.26E-03	7.12E-07	9.40E-08	2.31E-03	7.29E-07	9.63E-08	1.30E-06	6.93E-07
718	490486.72, 3860235.12	3.07E-02	9.68E-06	1.28E-06	1.64E-02	5.19E-06	6.85E-07	2.35E-03	7.42E-07	9.79E-08	2.41E-03	7.60E-07	1.00E-07	1.28E-06	6.87E-07
719	490536.72, 3860235.12	3.03E-02	9.57E-06	1.26E-06	1.63E-02	5.16E-06	6.81E-07	2.46E-03	7.75E-07	1.02E-07	2.52E-03	7.94E-07	1.05E-07	1.27E-06	6.83E-07
720	490586.72, 3860235.12	3.01E-02	9.48E-06	1.25E-06	1.63E-02	5.14E-06	6.79E-07	2.57E-03	8.12E-07	1.07E-07	2.64E-03	8.32E-07	1.10E-07	1.25E-06	6.81E-07
721	490636.72, 3860235.12	2.99E-02	9.43E-06	1.24E-06	1.63E-02	5.14E-06	6.78E-07	2.71E-03	8.54E-07	1.13E-07	2.77E-03	8.75E-07	1.15E-07	1.25E-06	6.81E-07
722	490686.72, 3860235.12	2.98E-02	9.39E-06	1.24E-06	1.63E-02	5.15E-06	6.80E-07	2.85E-03	9.01E-07	1.19E-07	2.93E-03	9.24E-07	1.22E-07	1.24E-06	6.83E-07
723	490736.72, 3860235.12	2.97E-02	9.39E-06	1.24E-06	1.64E-02	5.19E-06	6.85E-07	3.02E-03	9.54E-07	1.26E-07	3.10E-03	9.79E-07	1.29E-07	1.24E-06	6.88E-07
724	490786.72, 3860235.12	2.98E-02	9.41E-06	1.24E-06	1.66E-02	5.24E-06	6.91E-07	3.22E-03	1.02E-06	1.34E-07	3.31E-03	1.04E-06	1.38E-07	1.25E-06	6.95E-07
725	490086.72, 3860285.12	3.48E-02	1.10E-05	1.45E-06	1.80E-02	5.68E-06	7.50E-07	1.65E-03	5.21E-07	6.88E-08	1.68E-03	5.30E-07	7.00E-08	1.45E-06	7.51E-07
726	490136.72, 3860285.12	3.38E-02	1.07E-05	1.41E-06	1.76E-02	5.54E-06	7.32E-07	1.70E-03	5.37E-07	7.09E-08	1.73E-03	5.47E-07	7.22E-08	1.41E-06	7.33E-07
727	490186.72, 3860285.12	3.29E-02	1.04E-05	1.37E-06	1.72E-02	5.42E-06	7.15E-07	1.75E-03	5.53E-07	7.30E-08	1.79E-03	5.64E-07	7.45E-08	1.37E-06	7.17E-07
728	490236.72, 3860285.12	3.22E-02	1.02E-05	1.34E-06	1.68E-02	5.31E-06	7.01E-07	1.81E-03	5.72E-07	7.54E-08	1.85E-03	5.83E-07	7.70E-08	1.34E-06	7.02E-07
729	490286.72, 3860285.12	3.14E-02	9.92E-06	1.31E-06	1.65E-02	5.21E-06	6.88E-07	1.87E-03	5.90E-07	7.79E-08	1.91E-03	6.03E-07	7.96E-08	1.31E-06	6.89E-07
730	490336.72, 3860285.12	3.08E-02	9.71E-06	1.28E-06	1.62E-02	5.12E-06	6.76E-07	1.93E-03	6.10E-07	8.05E-08	1.98E-03	6.24E-07	8.24E-08	1.28E-06	6.78E-07
731	490386.72, 3860285.12	3.02E-02	9.54E-06	1.26E-06	1.60E-02	5.05E-06	6.67E-07	2.00E-03	6.32E-07	8.35E-08	2.05E-03	6.48E-07	8.55E-08	1.26E-06	6.69E-07
732	490436.72, 3860285.12	2.97E-02	9.38E-06	1.24E-06	1.58E-02	4.99E-06	6.58E-07	2.08E-03	6.56E-07	8.65E-08	2.13E-03	6.72E-07	8.87E-08	1.24E-06	6.61E-07
733	490486.72, 3860285.12	2.93E-02	9.24E-06	1.22E-06	1.56E-02	4.94E-06	6.52E-07	2.16E-03	6.81E-07	8.99E-08	2.21E-03	6.99E-07	9.22E-08	1.22E-06	6.54E-07
734	490536.72, 3860285.12	2.89E-02	9.12E-06	1.20E-06	1.55E-02	4.89E-06	6.46E-07	2.25E-03	7.09E-07	9.36E-08	2.30E-03	7.27E-07	9.60E-08	1.21E-06	6.49E-07
735	490586.72, 3860285.12	2.86E-02	9.02E-06	1.19E-06	1.54E-02	4.87E-06	6.42E-07	2.34E-03	7.40E-07	9.76E-08	2.40E-03	7.59E-07	1.00E-07	1.19E-06	6.45E-07
736	490636.72, 3860285.12	2.83E-02	8.94E-06	1.18E-06	1.54E-02	4.85E-06	6.40E-07	2.45E-03	7.74E-07	1.02E-07	2.52E-03	7.94E-07	1.05E-07	1.18E-06	6.43E-07
737	490686.72, 3860285.12	2.82E-02	8.89E-06	1.17E-06	1.54E-02	4.85E-06	6.41E-07	2.58E-03	8.14E-07	1.07E-07	2.65E-03	8.35E-07	1.10E-07	1.18E-06	6.43E-07
738	490736.72, 3860285.12	2.81E-02	8.86E-06	1.17E-06	1.54E-02	4.87E-06	6.42E-07	2.72E-03	8.57E-07	1.13E-07	2.79E-03	8.80E-07	1.16E-07	1.17E-06	6.45E-07
739	490786.72, 3860285.12	2.81E-02	8.85E-06	1.17E-06	1.55E-02	4.90E-06	6.46E-07	2.88E-03	9.08E-07	1.20E-07	2.96E-03	9.33E-07	1.23E-07	1.17E-06	6.50E-07
740	490086.72, 3860335.12	3.34E-02	1.05E-05	1.39E-06	1.72E-02	5.44E-06	7.18E-07	1.56E-03	4.91E-07	6.49E-08	1.58E-03	5.00E-07	6.60E-08	1.39E-06	7.19E-07
741	490136.72, 3860335.12	3.24E-02	1.02E-05	1.35E-06	1.68E-02	5.31E-06	7.00E-07	1.60E-03	5.05E-07	6.67E-08	1.63E-03	5.15E-07	6.79E-08	1.35E-06	7.02E-07
742	490186.72, 3860335.12	3.16E-02	9.96E-06	1.31E-06	1.64E-02	5.18E-06	6.84E-07	1.65E-03	5.20E-07	6.86E-08	1.68E-03	5.29E-07	6.98E-08	1.32E-06	6.85E-07
743	490236.72, 3860335.12	3.08E-02	9.72E-06	1.28E-06	1.61E-02	5.08E-06	6.70E-07	1.69E-03	5.35E-07	7.06E-08	1.73E-03	5.46E-07	7.21E-08	1.28E-06	6.72E-07
744	490286.72, 3860335.12	3.01E-02	9.49E-06	1.25E-06	1.58E-02	4.98E-06	6.57E-07	1.75E-03	5.51E-07	7.28E-08	1.78E-03	5.63E-07	7.43E-08	1.25E-06	6.58E-07
745	490336.72, 3860335.12	2.94E-02	9.29E-06	1.23E-06	1.55E-02	4.89E-06	6.45E-07	1.80E-03	5.69E-07	7.51E-08	1.84E-03	5.82E-07	7.68E-08	1.23E-06	6.47E-07
746	490386.72, 3860335.12	2.89E-02	9.11E-06	1.20E-06	1.53E-02	4.81E-06	6.35E-07	1.86E-03	5.88E-07	7.76E-08	1.91E-03	6.02E-07	7.94E-08	1.20E-06	6.37E-07
747	490436.72, 3860335.12	2.84E-02	8.95E-06	1.18E-06	1.50E-02	4.75E-06	6.27E-07	1.93E-03	6.08E-07	8.03E-08	1.98E-03	6.24E-07	8.24E-08	1.18E-06	6.29E-07
748	490486.72, 3860335.12	2.79E-02	8.80E-06	1.16E-06	1.49E-02	4.69E-06	6.19E-07	2.00E-03	6.30E-07	8.32E-08	2.05E-03	6.47E-07	8.54E-08	1.16E-06	6.21E-07

749	490536.72, 3860335.12	2.75E-02	8.68E-06	1.15E-06	1.47E-02	4.65E-06	6.14E-07	2.07E-03	6.55E-07	8.64E-08	2.13E-03	6.72E-07	8.87E-08	1.15E-06	6.16E-07
750	490586.72, 3860335.12	2.72E-02	8.57E-06	1.13E-06	1.46E-02	4.61E-06	6.09E-07	2.16E-03	6.81E-07	8.99E-08	2.22E-03	7.00E-07	9.23E-08	1.13E-06	6.11E-07
751	490636.72, 3860335.12	2.69E-02	8.49E-06	1.12E-06	1.45E-02	4.59E-06	6.06E-07	2.25E-03	7.10E-07	9.38E-08	2.31E-03	7.30E-07	9.64E-08	1.12E-06	6.08E-07
752	490686.72, 3860335.12	2.67E-02	8.42E-06	1.11E-06	1.45E-02	4.58E-06	6.04E-07	2.36E-03	7.44E-07	9.82E-08	2.42E-03	7.64E-07	1.01E-07	1.11E-06	6.07E-07
753	490736.72, 3860335.12	2.65E-02	8.37E-06	1.11E-06	1.45E-02	4.58E-06	6.05E-07	2.47E-03	7.81E-07	1.03E-07	2.54E-03	8.02E-07	1.06E-07	1.11E-06	6.07E-07
754	490786.72, 3860335.12	2.65E-02	8.35E-06	1.10E-06	1.46E-02	4.60E-06	6.07E-07	2.61E-03	8.23E-07	1.09E-07	2.68E-03	8.46E-07	1.12E-07	1.11E-06	6.10E-07
755	490086.72, 3860385.12	3.18E-02	1.00E-05	1.33E-06	1.64E-02	5.19E-06	6.85E-07	1.48E-03	4.67E-07	6.16E-08	1.50E-03	4.75E-07	6.27E-08	1.33E-06	6.86E-07
756	490136.72, 3860385.12	3.09E-02	9.76E-06	1.29E-06	1.60E-02	5.06E-06	6.68E-07	1.52E-03	4.79E-07	6.32E-08	1.54E-03	4.87E-07	6.43E-08	1.29E-06	6.69E-07
757	490186.72, 3860385.12	3.01E-02	9.49E-06	1.25E-06	1.56E-02	4.94E-06	6.52E-07	1.56E-03	4.91E-07	6.48E-08	1.58E-03	5.00E-07	6.60E-08	1.25E-06	6.53E-07
758	490236.72, 3860385.12	2.93E-02	9.26E-06	1.22E-06	1.53E-02	4.83E-06	6.38E-07	1.60E-03	5.04E-07	6.66E-08	1.63E-03	5.14E-07	6.79E-08	1.22E-06	6.39E-07
759	490286.72, 3860385.12	2.87E-02	9.04E-06	1.19E-06	1.50E-02	4.74E-06	6.25E-07	1.64E-03	5.19E-07	6.85E-08	1.68E-03	5.30E-07	6.99E-08	1.20E-06	6.27E-07
760	490336.72, 3860385.12	2.80E-02	8.85E-06	1.17E-06	1.47E-02	4.65E-06	6.14E-07	1.69E-03	5.34E-07	7.05E-08	1.73E-03	5.46E-07	7.20E-08	1.17E-06	6.15E-07
761	490386.72, 3860385.12	2.75E-02	8.67E-06	1.14E-06	1.45E-02	4.58E-06	6.04E-07	1.74E-03	5.50E-07	7.26E-08	1.79E-03	5.64E-07	7.44E-08	1.15E-06	6.06E-07
762	490436.72, 3860385.12	2.70E-02	8.51E-06	1.12E-06	1.43E-02	4.51E-06	5.95E-07	1.80E-03	5.69E-07	7.51E-08	1.85E-03	5.83E-07	7.69E-08	1.13E-06	5.97E-07
763	490486.72, 3860385.12	2.65E-02	8.38E-06	1.11E-06	1.41E-02	4.46E-06	5.88E-07	1.86E-03	5.88E-07	7.76E-08	1.91E-03	6.03E-07	7.96E-08	1.11E-06	5.90E-07
764	490536.72, 3860385.12	2.61E-02	8.25E-06	1.09E-06	1.40E-02	4.41E-06	5.82E-07	1.93E-03	6.09E-07	8.04E-08	1.98E-03	6.25E-07	8.26E-08	1.09E-06	5.84E-07
765	490586.72, 3860385.12	2.58E-02	8.14E-06	1.07E-06	1.38E-02	4.37E-06	5.77E-07	2.00E-03	6.32E-07	8.35E-08	2.06E-03	6.50E-07	8.58E-08	1.08E-06	5.79E-07
766	490636.72, 3860385.12	2.55E-02	8.05E-06	1.06E-06	1.38E-02	4.34E-06	5.73E-07	2.08E-03	6.58E-07	8.68E-08	2.14E-03	6.76E-07	8.92E-08	1.07E-06	5.76E-07
767	490686.72, 3860385.12	2.53E-02	7.98E-06	1.05E-06	1.37E-02	4.33E-06	5.71E-07	2.17E-03	6.86E-07	9.06E-08	2.23E-03	7.05E-07	9.31E-08	1.06E-06	5.74E-07
768	490736.72, 3860385.12	2.51E-02	7.92E-06	1.05E-06	1.37E-02	4.32E-06	5.70E-07	2.27E-03	7.17E-07	9.47E-08	2.34E-03	7.38E-07	9.74E-08	1.05E-06	5.73E-07
769	490786.72, 3860385.12	2.50E-02	7.88E-06	1.04E-06	1.37E-02	4.32E-06	5.70E-07	2.39E-03	7.53E-07	9.94E-08	2.45E-03	7.74E-07	1.02E-07	1.04E-06	5.73E-07
770	490136.72, 3860435.12	2.93E-02	9.25E-06	1.22E-06	1.52E-02	4.80E-06	6.33E-07	1.44E-03	4.56E-07	6.02E-08	1.47E-03	4.65E-07	6.13E-08	1.22E-06	6.34E-07
771	490186.72, 3860435.12	2.85E-02	9.01E-06	1.19E-06	1.48E-02	4.69E-06	6.18E-07	1.48E-03	4.67E-07	6.17E-08	1.51E-03	4.76E-07	6.28E-08	1.19E-06	6.20E-07
772	490236.72, 3860435.12	2.78E-02	8.78E-06	1.16E-06	1.45E-02	4.58E-06	6.05E-07	1.52E-03	4.79E-07	6.32E-08	1.55E-03	4.88E-07	6.45E-08	1.16E-06	6.06E-07
773	490286.72, 3860435.12	2.72E-02	8.58E-06	1.13E-06	1.42E-02	4.49E-06	5.93E-07	1.56E-03	4.91E-07	6.48E-08	1.59E-03	5.01E-07	6.62E-08	1.13E-06	5.94E-07
774	490336.72, 3860435.12	2.66E-02	8.39E-06	1.11E-06	1.40E-02	4.41E-06	5.82E-07	1.60E-03	5.04E-07	6.66E-08	1.63E-03	5.15E-07	6.80E-08	1.11E-06	5.84E-07
775	490386.72, 3860435.12	2.61E-02	8.23E-06	1.09E-06	1.38E-02	4.34E-06	5.73E-07	1.64E-03	5.19E-07	6.85E-08	1.68E-03	5.31E-07	7.00E-08	1.09E-06	5.74E-07
776	490436.72, 3860435.12	2.56E-02	8.07E-06	1.07E-06	1.35E-02	4.27E-06	5.64E-07	1.69E-03	5.34E-07	7.05E-08	1.74E-03	5.48E-07	7.23E-08	1.07E-06	5.66E-07
777	490486.72, 3860435.12	2.52E-02	7.94E-06	1.05E-06	1.34E-02	4.22E-06	5.57E-07	1.75E-03	5.52E-07	7.28E-08	1.79E-03	5.66E-07	7.47E-08	1.05E-06	5.59E-07
778	490536.72, 3860435.12	2.48E-02	7.82E-06	1.03E-06	1.32E-02	4.18E-06	5.51E-07	1.81E-03	5.70E-07	7.52E-08	1.86E-03	5.86E-07	7.73E-08	1.03E-06	5.53E-07
779	490586.72, 3860435.12	2.45E-02	7.72E-06	1.02E-06	1.31E-02	4.14E-06	5.46E-07	1.87E-03	5.90E-07	7.79E-08	1.92E-03	6.07E-07	8.01E-08	1.02E-06	5.48E-07
780	490636.72, 3860435.12	2.42E-02	7.62E-06	1.01E-06	1.30E-02	4.11E-06	5.42E-07	1.94E-03	6.13E-07	8.09E-08	2.00E-03	6.30E-07	8.32E-08	1.01E-06	5.44E-07
781	490686.72, 3860435.12	2.39E-02	7.55E-06	9.96E-07	1.29E-02	4.08E-06	5.39E-07	2.02E-03	6.37E-07	8.41E-08	2.08E-03	6.55E-07	8.65E-08	9.99E-07	5.42E-07
782	490736.72, 3860435.12	2.37E-02	7.49E-06	9.88E-07	1.29E-02	4.07E-06	5.38E-07	2.11E-03	6.64E-07	8.77E-08	2.17E-03	6.84E-07	9.03E-08	9.91E-07	5.40E-07
783	490786.72, 3860435.12	2.36E-02	7.43E-06	9.81E-07	1.29E-02	4.07E-06	5.37E-07	2.20E-03	6.95E-07	9.18E-08	2.27E-03	7.15E-07	9.44E-08	9.84E-07	5.39E-07
784	490136.72, 3860485.12	2.76E-02	8.72E-06	1.15E-06	1.43E-02	4.53E-06	5.98E-07	1.39E-03	4.38E-07	5.78E-08	1.41E-03	4.46E-07	5.89E-08	1.15E-06	5.99E-07
785	490186.72, 3860485.12	2.69E-02	8.50E-06	1.12E-06	1.40E-02	4.42E-06	5.84E-07	1.42E-03	4.47E-07	5.90E-08	1.44E-03	4.56E-07	6.02E-08	1.12E-06	5.85E-07
786	490236.72, 3860485.12	2.63E-02	8.29E-06	1.09E-06	1.37E-02	4.33E-06	5.72E-07	1.45E-03	4.57E-07	6.04E-08	1.48E-03	4.66E-07	6.15E-08	1.10E-06	5.73E-07
787	490286.72, 3860485.12	2.57E-02	8.10E-06	1.07E-06	1.35E-02	4.25E-06	5.61E-07	1.48E-03	4.68E-07	6.18E-08	1.51E-03	4.78E-07	6.31E-08	1.07E-06	5.62E-07
788	490336.72, 3860485.12	2.51E-02	7.93E-06	1.05E-06	1.32E-02	4.17E-06	5.51E-07	1.52E-03	4.80E-07	6.34E-08	1.55E-03	4.90E-07	6.47E-08	1.05E-06	5.52E-07
789	490386.72, 3860485.12	2.46E-02	7.78E-06	1.03E-06	1.30E-02	4.10E-06	5.42E-07	1.56E-03	4.93E-07	6.51E-08	1.60E-03	5.04E-07	6.65E-08	1.03E-06	5.43E-07
790	490436.72, 3860485.12	2.42E-02	7.64E-06	1.01E-06	1.28E-02	4.05E-06	5.34E-07	1.61E-03	5.07E-07	6.69E-08	1.64E-03	5.19E-07	6.85E-08	1.01E-06	5.36E-07
791	490486.72, 3860485.12	2.38E-02	7.52E-06	9.92E-07	1.27E-02	3.99E-06	5.27E-07	1.65E-03	5.22E-07	6.89E-08	1.69E-03	5.35E-07	7.06E-08	9.94E-07	5.29E-07
792	490536.72, 3860485.12	2.34E-02	7.40E-06	9.77E-07	1.25E-02	3.95E-06	5.21E-07	1.70E-03	5.37E-07	7.09E-08	1.75E-03	5.52E-07	7.28E-08	9.79E-07	5.23E-07
793	490586.72, 3860485.12	2.31E-02	7.30E-06	9.64E-07	1.24E-02	3.91E-06	5.16E-07	1.76E-03	5.55E-07	7.32E-08	1.81E-03	5.70E-07	7.53E-08	9.66E-07	5.18E-07
794	490636.72, 3860485.12	2.28E-02	7.21E-06	9.52E-07	1.23E-02	3.88E-06	5.12E-07	1.82E-03	5.75E-07	7.58E-08	1.87E-03	5.91E-07	7.80E-08	9.54E-07	5.14E-07
795	490686.72, 3860485.12	2.26E-02	7.13E-06	9.42E-07	1.22E-02	3.86E-06	5.09E-07	1.89E-03	5.95E-07	7.86E-08	1.94E-03	6.13E-07	8.09E-08	9.44E-07	5.11E-07
796	490736.72, 3860485.12	2.24E-02	7.07E-06	9.33E-07	1.22E-02	3.84E-06	5.07E-07	1.96E-03	6.20E-07	8.18E-08	2.02E-03	6.38E-07	8.42E-08	9.35E-07	5.09E-07
797	490786.72, 3860485.12	2.22E-02	7.01E-06	9.26E-07	1.21E-02	3.83E-06	5.06E-07	2.05E-03	6.46E-07	8.52E-08	2.11E-03	6.65E-07	8.78E-08	9.29E-07	5.08E-07
798	490136.72, 3860535.12	2.59E-02	8.18E-06	1.08E-06	1.35E-02	4.25E-06	5.61E-07	1.33E-03	4.21E-07	5.56E-08	1.36E-03	4.30E-07	5.67E-08	1.08E-06	5.63E-07
799	490186.72, 3860535.12	2.53E-02	7.99E-06	1.05E-06	1.32E-02	4.16E-06	5.50E-07	1.36E-03	4.30E-07	5.68E-08	1.39E-03	4.39E-07	5.79E-08	1.06E-06	5.51E-07
800	490236.72, 3860535.12	2.47E-02	7.80E-06	1.03E-06	1.29E-02	4.08E-06	5.38E-07	1.39E-03	4.40E-07	5.80E-08	1.42E-03	4.48E-07	5.92E-08	1.03E-06	5.40E-07
801	490286.72, 3860535.12	2.42E-02	7.63E-06	1.01E-06	1.27E-02	4.00E-06	5.28E-07	1.42E-03	4.49E-07	5.93E-08	1.45E-03	4.58E-07	6.05E-08	1.01E-06	5.29E-07
802	490336.72, 3860535.12	2.37E-02	7.47E-06	9.87E-07	1.25E-02	3.94E-06	5.19E-07	1.46E-03	4.60E-07	6.07E-08	1.49E-03	4.69E-07	6.20E-08	9.88E-07	5.21E-07
803	490386.72, 3860535.12	2.33E-02	7.34E-06	9.69E-07	1.23E-02	3.88E-06	5.12E-07	1.49E-03	4.71E-07	6.22E-08	1.52E-03	4.81E-07	6.35E-08	9.70E-07	5.13E-07
804	490436.72, 3860535.12	2.29E-02	7.22E-06	9.53E-07	1.21E-02	3.82E-06	5.05E-07	1.53E-03	4.83E-07	6.38E-08	1.57E-03	4.95E-07	6.53E-08	9.54E-07	5.06E-07
805	490486.72, 3860535.12	2.25E-02	7.10E-06	9.38E-07	1.20E-02	3.78E-06	4.99E-07	1.57E-03	4.96E-07	6.55E-08	1.61E-03	5.08E-07	6.71E-08	9.39E-07	5.00E-07
806	490536.72, 3860535.12	2.22E-02	7.01E-06	9.25E-07	1.19E-02	3.74E-06	4.94E-07	1.62E-03	5.11E-07	6.74E-08	1.66E-03	5.24E-07	6.92E-08	9.27E-07	4.95E-07
807	490586.72, 3860535.12	2.19E-02	6.90E-06	9.11E-07	1.17E-02	3.70E-06	4.88E-07	1.67E-03	5.26E-07	6.94E-08	1.71E-03	5.40E-07	7.13E-08	9.13E-07	4.90E-07
808	490636.72, 3860535.12	2.16E-02	6.82E-06	9.00E-07	1.16E-02	3.67E-06	4.84E-07	1.72E-03	5.42E-07	7.16E-08	1.77E-03	5.57E-07	7.36E-08	9.02E-07	4.86E-07
809	490686.72, 3860535.12	2.14E-02	6.74E-06	8.90E-07	1.15E-02	3.64E-06	4.81E-07	1.78E-03	5.61E-07	7.40E-08	1.83E-03	5.77E-07	7.62E-08	8.92E-07	4.83E-07
810	490736.72, 3860535.12	2.11E-02	6.67E-06	8.81E-07	1.15E-02	3.62E-06	4.78E-07	1.84E-03	5.81E-07	7.67E-08	1.90E-03	5.98E-07	7.90E-08	8.83E-07	4.80E-07
811	490786.72, 3860535.12	2.10E-02	6.62E-06	8.74E-07	1.14E-02	3.61E-06	4.77E-07	1.91E-03	6.04E-07	7.98E-08	1.97E-03	6.22E-07	8.21E-08	8.76E-07	4.79E-07
812	490136.72, 3860585.12	2.42E-02	7.64E-06	1.01E-06	1.26E-02	3.98E-06	5.26E-07	1.29E-03	4.06E-07	5.36E-08	1.31E-03	4.15E-07	5.47E-08	1.01E-06	5.27E-07
813	490186.72, 3860585.12	2.36E-02	7.45E-06	9.83E-07	1.23E-02	3.89E-06	5.14E-07	1.31E-03	4.14E-07	5.46E-08	1.34E-03	4.22E-07	5.58E-08	9.85E-07	5.15E-07
814	490236.72, 3860585.12	2.31E-02	7.30E-06	9.63E-07	1.21E-02	3.82E-06	5.05E-07	1.34E-03	4.23E-07	5.58E-08	1.37E-03	4.32E-07	5.70E-08	9.64E-07	5.06E-07
815	490286.72, 3860585.12	2.27E-02	7.16E-06	9.45E-07	1.19E-02	3.76E-06	4.97E-07	1.37E-03	4.32E-07	5.70E-08	1.40E-03	4.41E-07	5.82E-08	9.46E-07	4.98E-07
816	490336.72, 3860585.12	2.23E-02	7.02E-06	9.27E-07	1.17E-02	3.70E-06	4.89E-07	1.40E-03	4.42E-07	5.83E-08	1.43E-03	4.51E-07	5.96E-08	9.28E-07	4.90E-07
817	490386.72, 3860585.12	2.19E-02	6.90E-06	9.11E-07	1.16E-02	3.65E-06	4.82E-07	1.43E-03	4.52E-07	5.97E-08	1.46E-03	4.62E-07	6.09E-08	9.12E-07	4.83E-07
818	490436.72, 3860585.12	2.16E-02	6.80E-06	8.98E-07	1.14E-02	3.61E-06	4.77E-07	1.47E-03	4.63E-07	6.12E-08	1.50E-03	4.74E-07	6.26E-08	8.99E-07	4.78E-07
819	490486.72, 3860585.12	2.13E-02	6.71E-06	8.85E-07	1.13E-02	3.57E-06	4.71E-07	1.51E-03	4.75E-07	6.27E-08	1.54E-03	4.86E-07	6.42E-08	8.87E-07	4.73E-07
820	490536.72, 3860585.12	2.09E-02	6.61E-06	8.73E-07	1.12E-02	3.53E-06	4.66E-07	1.55E-03	4.88E-07	6.44E-08	1.58E-03	5.00E-07	6.60E-08	8.74E-07	4.68E-07
821	490586.72, 3860585.12	2.06E-02	6.51E-06	8.59E-07	1.11E-02	3.49E-06	4.61E-07	1.59E-03	5.01E-07	6.61E-08	1.63E-03	5.14E-07	6.78E-08	8.61E-07	4.63E-07
822	490636.72, 3860585.12	2.04E-02	6.44E-06	8.49E-07	1.10E-02	3.47E-06	4.57E-07	1.63E-03	5.16E-07	6.81E-08	1.68E-03	5.30E-07	6.99E-08	8.51E-07	4.59E-07
823	490686.72, 3860585.12	2.02E-02	6.36E-06	8.40E-07	1.09E-02	3.44E-06	4.54E-07	1.68E-03	5.31E-07	7.02E-08	1.73E-03	5.47E-07	7.22E-08	8.42E-07	4.56E-07
824	490736.72, 3860585.12	2.00E-02	6.30E-06	8.32E-07	1.08E-02	3.42E-06	4.52E-07	1.74E-03	5.49E-07	7.25E-08	1.79E-03	5.66E-07	7.47E-08	8.34E-07	4.54E-07
825	490786.72, 3860585.12	1.98E-02	6.25E-06	8.24E-07	1.08E-02	3.41E-06	4.50E-07	1.80E-03	5.69E-07	7.51E-08	1.86E-03	5.86E-07	7.73E-08	8.27E-07	4.52E-07
826	490136.72, 3860635.12	2.26E-02	7.12E-06	9.40E-07	1.18E-02	3.72E-06	4.91E-07	1.24E-03	3.91E-07	5.16E-08	1.27E-03	4.00E-07	5.28E-08	9.41E-07	4.92E-07
827	490186.72, 3860635.12	2.21E-02	6.96E-06	9.19E-07	1.16E-02	3.65E-06	4.81E-07	1.27E-03	3.99E-07	5.27E-08	1.29E-03	4.08E-07	5.39E-08	9.20E-07	4.82E-07
828	490236.72, 3860635.12	2.16E-02	6.81E-06	9.00E-07	1.13E-02	3.58E-06	4.73E-07	1.29E-03	4.08E-07	5.38E-08	1.32E-03	4.16E-07	5.49E-08	9.01E-07	4.74E-07
829	490286.72, 3860635.12	2.12E-02	6.69E-06	8.83E-07	1.12E-02	3.53E-06	4.65E-07	1.32E-03	4.16E-07	5.50E-08	1.35E-03	4.25E-07	5.61E-08	8.84E-07	4.66E-07
830	490336.72, 3860635.12	2.08E-02	6.58E-06	8.68E-07	1.10E-02	3.48E-06	4.59E-07	1.35E-03	4.26E-07	5.62E-08	1.38E-03	4.34E-07	5.73E-08	8.70E-07	4.60E-07
831	490386.72, 3860635.12	2.05E-02	6.48E-06	8.55E-07	1.09E-02	3.43E-06	4.53E-07	1.38E-03	4.35E-07	5.74E-08	1.41E-03	4.45E-07	5.87E-08	8.56E-07	4.55E-07
832	490436.72, 3860635.12	2.02E-02	6.38E-06	8.42E-07	1.08E-02	3.39E-06	4.48E-07	1.41E-03	4.45E-07	5.88E-08	1.44E-03	4.55E-07	6.00E-08	8.44E-07	4.49E-07
833	490486.72, 3860635.12	1.99E-02	6.29E-06	8.31E-07	1.06E-02	3.36E-06	4.43E-07	1.45E-03	4.56E-07	6.02E-08	1.48E-03	4.67E-07	6.16E-08	8.32E-07	4.45E-07
834	490536.72, 3860635.12	1.97E-02	6.22E-06	8.21E-07	1.05E-02	3.33E-06	4.39E-07	1.48E-03	4.68E-07	6.18E-08	1.52E-03	4.79E-07	6.32E-08	8.22E-07	4.41E-07
835	490586.72, 3860635.12	1.95E-02	6.14E-06	8.10E-07	1.05E-02	3.30E-06	4.35E-07	1.52E-03	4.80E-07	6.34E-08	1.56E-03	4.92E-07	6.49E-08	8.12E-07	4.37E-07
836	490636.72, 3860635.12	1.92E-02	6.07E-06	8.01E-07	1.04E-02	3.27E-06	4.32E-07	1.56E-03	4.93E-07	6.51E-08	1.60E-03	5.06E-07	6.68E-08	8.03E-07	4.34E-07
837	490686.72, 3860635.12	1.90E-02	6.01E-06	7.93E-07	1.03E-02	3.25E-06	4.29E-07	1.61E-03	5.07E-07	6.70E-08	1.65E-03	5.21E-07	6.88E-08	7.95E-07	4.31E-07
838	490736.72, 3860635.12	1.88E-02	5.95E-06	7.85E-07	1.02E-02	3.23E-06	4.27E-07	1.66E-03	5.23E-07	6.90E-08	1.70E-03	5.38E-07	7.10E-08	7.87E-07	4.29E-07
839	490786.72, 3860635.12	1.87E-02	5.90E-06	7.78E-07	1.02E-02	3.22E-06	4.25E-07	1.71E-03	5.40E-07	7.13E-08	1.76E-03	5.56E-07	7.34E-08	7.80E-07	4.27E-07
840	490136.72, 3860685.12	2.09E-02	6.60E-06	8.71E-07	1.09E-02	3.45E-06	4.56E-07	1.19E-03	3.77E-07	4.97E-08	1.22E-03	3.85E-07	5.08E-08	8.72E-07	4.57E-07
841	490186.72, 3860685.12	2.06E-02	6.49E-06	8.57E-07	1.08E-02	3.41E-06	4.50E-07	1.22E-03	3.84E-07	5.07E-08	1.24E-03	3.93E-07	5.18E-08	8.58E-07	4.51E-07
842	490236.72, 3860685.12	2.02E-02	6.36E-06	8.40E-07	1.06E-02	3.35E-06	4.42E-07	1.24E-03	3.93E-07	5.18E-08	1.27E-03	4.01E-07	5.29E-08	8.41E-07	4.43E-07

843	490286.72, 3860685.12	1.98E-02	6.24E-06	8.24E-07	1.04E-02	3.30E-06	4.35E-07	1.27E-03	4.00E-07	5.29E-08	1.30E-03	4.09E-07	5.40E-08	8.25E-07	4.36E-07
844	490336.72, 3860685.12	1.95E-02	6.15E-06	8.12E-07	1.03E-02	3.26E-06	4.30E-07	1.30E-03	4.09E-07	5.40E-08	1.33E-03	4.18E-07	5.52E-08	8.13E-07	4.31E-07
845	490386.72, 3860685.12	1.92E-02	6.07E-06	8.01E-07	1.02E-02	3.22E-06	4.26E-07	1.33E-03	4.19E-07	5.53E-08	1.35E-03	4.28E-07	5.64E-08	8.02E-07	4.27E-07
846	490436.72, 3860685.12	1.90E-02	5.98E-06	7.90E-07	1.01E-02	3.19E-06	4.21E-07	1.36E-03	4.28E-07	5.65E-08	1.39E-03	4.37E-07	5.77E-08	7.91E-07	4.22E-07
847	490486.72, 3860685.12	1.87E-02	5.91E-06	7.80E-07	1.00E-02	3.16E-06	4.17E-07	1.39E-03	4.39E-07	5.79E-08	1.42E-03	4.48E-07	5.92E-08	7.81E-07	4.18E-07
848	490536.72, 3860685.12	1.85E-02	5.84E-06	7.71E-07	9.92E-03	3.13E-06	4.13E-07	1.42E-03	4.49E-07	5.93E-08	1.46E-03	4.60E-07	6.07E-08	7.72E-07	4.15E-07
849	490586.72, 3860685.12	1.83E-02	5.78E-06	7.63E-07	9.85E-03	3.11E-06	4.11E-07	1.46E-03	4.61E-07	6.08E-08	1.50E-03	4.72E-07	6.23E-08	7.64E-07	4.12E-07
850	490636.72, 3860685.12	1.81E-02	5.72E-06	7.55E-07	9.79E-03	3.09E-06	4.08E-07	1.50E-03	4.73E-07	6.25E-08	1.54E-03	4.85E-07	6.41E-08	7.57E-07	4.09E-07
851	490686.72, 3860685.12	1.80E-02	5.67E-06	7.48E-07	9.74E-03	3.07E-06	4.06E-07	1.54E-03	4.87E-07	6.42E-08	1.58E-03	4.99E-07	6.59E-08	7.50E-07	4.07E-07
852	490736.72, 3860685.12	1.78E-02	5.62E-06	7.41E-07	9.69E-03	3.06E-06	4.04E-07	1.59E-03	5.00E-07	6.60E-08	1.63E-03	5.14E-07	6.79E-08	7.43E-07	4.05E-07
853	490786.72, 3860685.12	1.77E-02	5.58E-06	7.36E-07	9.65E-03	3.05E-06	4.02E-07	1.63E-03	5.16E-07	6.81E-08	1.68E-03	5.31E-07	7.00E-08	7.38E-07	4.04E-07
854	490136.72, 3860735.12	1.93E-02	6.09E-06	8.04E-07	1.01E-02	3.20E-06	4.22E-07	1.15E-03	3.62E-07	4.78E-08	1.17E-03	3.70E-07	4.88E-08	8.05E-07	4.23E-07
855	490186.72, 3860735.12	1.90E-02	5.99E-06	7.90E-07	9.99E-03	3.15E-06	4.16E-07	1.17E-03	3.69E-07	4.87E-08	1.19E-03	3.77E-07	4.98E-08	7.92E-07	4.17E-07
856	490236.72, 3860735.12	1.87E-02	5.90E-06	7.78E-07	9.87E-03	3.11E-06	4.11E-07	1.19E-03	3.77E-07	4.97E-08	1.22E-03	3.85E-07	5.08E-08	7.80E-07	4.12E-07
857	490286.72, 3860735.12	1.84E-02	5.82E-06	7.68E-07	9.76E-03	3.08E-06	4.06E-07	1.22E-03	3.85E-07	5.08E-08	1.25E-03	3.93E-07	5.19E-08	7.69E-07	4.08E-07
858	490336.72, 3860735.12	1.82E-02	5.74E-06	7.57E-07	9.65E-03	3.05E-06	4.02E-07	1.25E-03	3.93E-07	5.19E-08	1.27E-03	4.02E-07	5.30E-08	7.59E-07	4.03E-07
859	490386.72, 3860735.12	1.80E-02	5.67E-06	7.49E-07	9.57E-03	3.02E-06	3.99E-07	1.28E-03	4.02E-07	5.31E-08	1.30E-03	4.11E-07	5.42E-08	7.50E-07	4.00E-07
860	490436.72, 3860735.12	1.78E-02	5.61E-06	7.41E-07	9.50E-03	3.00E-06	3.96E-07	1.30E-03	4.12E-07	5.44E-08	1.33E-03	4.21E-07	5.56E-08	7.42E-07	3.97E-07
861	490486.72, 3860735.12	1.76E-02	5.55E-06	7.32E-07	9.41E-03	2.97E-06	3.92E-07	1.34E-03	4.22E-07	5.57E-08	1.36E-03	4.31E-07	5.69E-08	7.33E-07	3.93E-07
862	490536.72, 3860735.12	1.74E-02	5.48E-06	7.24E-07	9.34E-03	2.95E-06	3.89E-07	1.37E-03	4.31E-07	5.69E-08	1.40E-03	4.41E-07	5.82E-08	7.25E-07	3.90E-07
863	490586.72, 3860735.12	1.72E-02	5.43E-06	7.16E-07	9.27E-03	2.93E-06	3.86E-07	1.40E-03	4.42E-07	5.83E-08	1.43E-03	4.52E-07	5.97E-08	7.18E-07	3.88E-07
864	490636.72, 3860735.12	1.70E-02	5.38E-06	7.10E-07	9.22E-03	2.91E-06	3.84E-07	1.44E-03	4.53E-07	5.98E-08	1.47E-03	4.65E-07	6.13E-08	7.11E-07	3.86E-07
865	490686.72, 3860735.12	1.69E-02	5.34E-06	7.04E-07	9.18E-03	2.90E-06	3.83E-07	1.48E-03	4.66E-07	6.15E-08	1.51E-03	4.78E-07	6.31E-08	7.06E-07	3.84E-07
866	490736.72, 3860735.12	1.68E-02	5.30E-06	7.00E-07	9.16E-03	2.89E-06	3.81E-07	1.52E-03	4.80E-07	6.33E-08	1.56E-03	4.93E-07	6.50E-08	7.01E-07	3.83E-07
867	490136.72, 3860785.12	1.78E-02	5.62E-06	7.41E-07	9.37E-03	2.96E-06	3.90E-07	1.10E-03	3.47E-07	4.58E-08	1.12E-03	3.55E-07	4.69E-08	7.42E-07	3.91E-07
868	490186.72, 3860785.12	1.76E-02	5.54E-06	7.31E-07	9.27E-03	2.93E-06	3.86E-07	1.12E-03	3.54E-07	4.67E-08	1.15E-03	3.62E-07	4.78E-08	7.33E-07	3.87E-07
869	490236.72, 3860785.12	1.73E-02	5.47E-06	7.22E-07	9.17E-03	2.89E-06	3.82E-07	1.15E-03	3.61E-07	4.77E-08	1.17E-03	3.69E-07	4.88E-08	7.23E-07	3.83E-07
870	490286.72, 3860785.12	1.71E-02	5.40E-06	7.13E-07	9.08E-03	2.87E-06	3.78E-07	1.17E-03	3.69E-07	4.87E-08	1.19E-03	3.77E-07	4.98E-08	7.14E-07	3.80E-07
871	490336.72, 3860785.12	1.69E-02	5.34E-06	7.05E-07	9.01E-03	2.84E-06	3.75E-07	1.20E-03	3.77E-07	4.98E-08	1.22E-03	3.85E-07	5.09E-08	7.06E-07	3.76E-07
872	490386.72, 3860785.12	1.68E-02	5.29E-06	6.98E-07	8.95E-03	2.82E-06	3.73E-07	1.22E-03	3.86E-07	5.09E-08	1.25E-03	3.94E-07	5.20E-08	6.99E-07	3.74E-07
873	490436.72, 3860785.12	1.66E-02	5.24E-06	6.92E-07	8.89E-03	2.81E-06	3.70E-07	1.25E-03	3.95E-07	5.21E-08	1.28E-03	4.03E-07	5.32E-08	6.93E-07	3.71E-07
874	490486.72, 3860785.12	1.65E-02	5.19E-06	6.86E-07	8.84E-03	2.79E-06	3.68E-07	1.28E-03	4.04E-07	5.34E-08	1.31E-03	4.13E-07	5.45E-08	6.87E-07	3.69E-07
875	490536.72, 3860785.12	1.63E-02	5.14E-06	6.79E-07	8.78E-03	2.77E-06	3.66E-07	1.31E-03	4.14E-07	5.46E-08	1.34E-03	4.23E-07	5.58E-08	6.80E-07	3.67E-07
876	490586.72, 3860785.12	1.61E-02	5.10E-06	6.73E-07	8.72E-03	2.75E-06	3.63E-07	1.34E-03	4.24E-07	5.59E-08	1.37E-03	4.33E-07	5.72E-08	6.74E-07	3.65E-07
877	490636.72, 3860785.12	1.60E-02	5.06E-06	6.67E-07	8.69E-03	2.74E-06	3.62E-07	1.38E-03	4.35E-07	5.74E-08	1.41E-03	4.45E-07	5.87E-08	6.69E-07	3.63E-07
878	490686.72, 3860785.12	1.59E-02	5.02E-06	6.62E-07	8.65E-03	2.73E-06	3.60E-07	1.41E-03	4.46E-07	5.89E-08	1.45E-03	4.57E-07	6.03E-08	6.64E-07	3.62E-07
879	490736.72, 3860785.12	1.58E-02	4.99E-06	6.59E-07	8.63E-03	2.72E-06	3.60E-07	1.45E-03	4.59E-07	6.06E-08	1.49E-03	4.71E-07	6.22E-08	6.60E-07	3.61E-07
880	490086.72, 3860835.12	1.66E-02	5.24E-06	6.92E-07	8.76E-03	2.76E-06	3.65E-07	1.04E-03	3.27E-07	4.32E-08	1.06E-03	3.35E-07	4.42E-08	6.93E-07	3.66E-07
881	490136.72, 3860835.12	1.64E-02	5.18E-06	6.84E-07	8.68E-03	2.74E-06	3.62E-07	1.06E-03	3.34E-07	4.41E-08	1.08E-03	3.42E-07	4.51E-08	6.85E-07	3.63E-07
882	490186.72, 3860835.12	1.62E-02	5.13E-06	6.77E-07	8.60E-03	2.71E-06	3.58E-07	1.08E-03	3.40E-07	4.49E-08	1.10E-03	3.48E-07	4.59E-08	6.78E-07	3.59E-07
883	490236.72, 3860835.12	1.61E-02	5.07E-06	6.69E-07	8.53E-03	2.69E-06	3.55E-07	1.10E-03	3.47E-07	4.58E-08	1.12E-03	3.55E-07	4.69E-08	6.70E-07	3.56E-07
884	490286.72, 3860835.12	1.59E-02	5.02E-06	6.63E-07	8.47E-03	2.67E-06	3.53E-07	1.12E-03	3.54E-07	4.68E-08	1.15E-03	3.62E-07	4.78E-08	6.64E-07	3.54E-07
885	490336.72, 3860835.12	1.58E-02	4.97E-06	6.56E-07	8.41E-03	2.65E-06	3.50E-07	1.15E-03	3.62E-07	4.78E-08	1.17E-03	3.69E-07	4.88E-08	6.57E-07	3.51E-07
886	490386.72, 3860835.12	1.56E-02	4.93E-06	6.51E-07	8.36E-03	2.64E-06	3.48E-07	1.17E-03	3.70E-07	4.88E-08	1.20E-03	3.78E-07	4.98E-08	6.52E-07	3.49E-07
887	490436.72, 3860835.12	1.55E-02	4.89E-06	6.46E-07	8.32E-03	2.62E-06	3.46E-07	1.20E-03	3.78E-07	4.99E-08	1.22E-03	3.86E-07	5.10E-08	6.47E-07	3.48E-07
888	490486.72, 3860835.12	1.54E-02	4.85E-06	6.41E-07	8.28E-03	2.61E-06	3.45E-07	1.23E-03	3.87E-07	5.11E-08	1.25E-03	3.95E-07	5.22E-08	6.42E-07	3.46E-07
889	490536.72, 3860835.12	1.53E-02	4.82E-06	6.36E-07	8.24E-03	2.60E-06	3.43E-07	1.26E-03	3.97E-07	5.23E-08	1.28E-03	4.05E-07	5.35E-08	6.37E-07	3.44E-07
890	490586.72, 3860835.12	1.52E-02	4.78E-06	6.31E-07	8.21E-03	2.59E-06	3.42E-07	1.29E-03	4.06E-07	5.36E-08	1.31E-03	4.15E-07	5.47E-08	6.32E-07	3.43E-07
891	490636.72, 3860835.12	1.50E-02	4.75E-06	6.27E-07	8.17E-03	2.58E-06	3.40E-07	1.32E-03	4.16E-07	5.49E-08	1.35E-03	4.26E-07	5.62E-08	6.28E-07	3.42E-07
892	490686.72, 3860835.12	1.50E-02	4.72E-06	6.23E-07	8.15E-03	2.57E-06	3.40E-07	1.35E-03	4.27E-07	5.63E-08	1.38E-03	4.37E-07	5.77E-08	6.24E-07	3.41E-07
893	490736.72, 3860835.12	1.49E-02	4.70E-06	6.20E-07	8.14E-03	2.57E-06	3.39E-07	1.39E-03	4.39E-07	5.80E-08	1.42E-03	4.50E-07	5.94E-08	6.21E-07	3.40E-07
894	490086.72, 3860885.12	1.53E-02	4.83E-06	6.38E-07	8.10E-03	2.56E-06	3.37E-07	1.00E-03	3.16E-07	4.17E-08	1.02E-03	3.23E-07	4.26E-08	6.39E-07	3.38E-07
895	490136.72, 3860885.12	1.52E-02	4.78E-06	6.32E-07	8.04E-03	2.54E-06	3.35E-07	1.02E-03	3.22E-07	4.25E-08	1.04E-03	3.29E-07	4.35E-08	6.33E-07	3.36E-07
896	490186.72, 3860885.12	1.50E-02	4.74E-06	6.26E-07	7.98E-03	2.52E-06	3.33E-07	1.04E-03	3.28E-07	4.33E-08	1.06E-03	3.35E-07	4.43E-08	6.27E-07	3.34E-07
897	490236.72, 3860885.12	1.49E-02	4.70E-06	6.21E-07	7.93E-03	2.50E-06	3.31E-07	1.06E-03	3.34E-07	4.41E-08	1.08E-03	3.42E-07	4.51E-08	6.22E-07	3.32E-07
898	490286.72, 3860885.12	1.48E-02	4.66E-06	6.15E-07	7.88E-03	2.49E-06	3.28E-07	1.08E-03	3.41E-07	4.50E-08	1.10E-03	3.48E-07	4.60E-08	6.16E-07	3.29E-07
899	490336.72, 3860885.12	1.47E-02	4.62E-06	6.10E-07	7.84E-03	2.48E-06	3.27E-07	1.10E-03	3.48E-07	4.59E-08	1.12E-03	3.55E-07	4.69E-08	6.11E-07	3.28E-07
900	490386.72, 3860885.12	1.46E-02	4.59E-06	6.06E-07	7.81E-03	2.47E-06	3.25E-07	1.12E-03	3.55E-07	4.69E-08	1.15E-03	3.63E-07	4.79E-08	6.07E-07	3.26E-07
901	490436.72, 3860885.12	1.45E-02	4.56E-06	6.02E-07	7.78E-03	2.46E-06	3.24E-07	1.15E-03	3.63E-07	4.79E-08	1.17E-03	3.70E-07	4.89E-08	6.03E-07	3.25E-07
902	490486.72, 3860885.12	1.44E-02	4.54E-06	5.99E-07	7.76E-03	2.45E-06	3.23E-07	1.17E-03	3.71E-07	4.89E-08	1.20E-03	3.79E-07	5.01E-08	6.00E-07	3.24E-07
903	490536.72, 3860885.12	1.43E-02	4.51E-06	5.95E-07	7.73E-03	2.44E-06	3.22E-07	1.20E-03	3.80E-07	5.01E-08	1.23E-03	3.88E-07	5.12E-08	5.96E-07	3.23E-07
904	490586.72, 3860885.12	1.42E-02	4.48E-06	5.91E-07	7.70E-03	2.43E-06	3.21E-07	1.23E-03	3.89E-07	5.13E-08	1.26E-03	3.97E-07	5.24E-08	5.92E-07	3.22E-07
905	490636.72, 3860885.12	1.41E-02	4.46E-06	5.88E-07	7.69E-03	2.43E-06	3.20E-07	1.26E-03	3.98E-07	5.25E-08	1.29E-03	4.06E-07	5.37E-08	5.89E-07	3.21E-07
906	490686.72, 3860885.12	1.40E-02	4.43E-06	5.85E-07	7.67E-03	2.42E-06	3.20E-07	1.29E-03	4.08E-07	5.38E-08	1.32E-03	4.17E-07	5.51E-08	5.86E-07	3.21E-07
907	490736.72, 3860885.12	1.40E-02	4.41E-06	5.82E-07	7.66E-03	2.42E-06	3.19E-07	1.33E-03	4.19E-07	5.53E-08	1.36E-03	4.29E-07	5.66E-08	5.83E-07	3.20E-07
908	490086.72, 3860935.12	1.41E-02	4.45E-06	5.88E-07	7.49E-03	2.36E-06	3.12E-07	9.67E-04	3.05E-07	4.03E-08	9.89E-04	3.12E-07	4.12E-08	5.89E-07	3.13E-07
909	490136.72, 3860935.12	1.40E-02	4.42E-06	5.83E-07	7.45E-03	2.35E-06	3.10E-07	9.84E-04	3.10E-07	4.10E-08	1.01E-03	3.18E-07	4.20E-08	5.84E-07	3.11E-07
910	490186.72, 3860935.12	1.39E-02	4.39E-06	5.80E-07	7.42E-03	2.34E-06	3.09E-07	1.00E-03	3.16E-07	4.17E-08	1.03E-03	3.24E-07	4.27E-08	5.81E-07	3.10E-07
911	490236.72, 3860935.12	1.38E-02	4.36E-06	5.76E-07	7.38E-03	2.33E-06	3.08E-07	1.02E-03	3.22E-07	4.25E-08	1.04E-03	3.30E-07	4.35E-08	5.77E-07	3.09E-07
912	490286.72, 3860935.12	1.37E-02	4.33E-06	5.72E-07	7.35E-03	2.32E-06	3.06E-07	1.04E-03	3.28E-07	4.33E-08	1.06E-03	3.36E-07	4.43E-08	5.73E-07	3.07E-07
913	490336.72, 3860935.12	1.36E-02	4.31E-06	5.68E-07	7.32E-03	2.31E-06	3.05E-07	1.06E-03	3.35E-07	4.42E-08	1.08E-03	3.42E-07	4.52E-08	5.69E-07	3.06E-07
914	490386.72, 3860935.12	1.36E-02	4.28E-06	5.65E-07	7.30E-03	2.31E-06	3.04E-07	1.08E-03	3.42E-07	4.51E-08	1.11E-03	3.49E-07	4.60E-08	5.66E-07	3.05E-07
915	490436.72, 3860935.12	1.35E-02	4.26E-06	5.62E-07	7.28E-03	2.30E-06	3.03E-07	1.11E-03	3.49E-07	4.61E-08	1.13E-03	3.57E-07	4.71E-08	5.63E-07	3.04E-07
916	490486.72, 3860935.12	1.34E-02	4.24E-06	5.59E-07	7.27E-03	2.29E-06	3.03E-07	1.13E-03	3.56E-07	4.71E-08	1.15E-03	3.64E-07	4.80E-08	5.60E-07	3.04E-07
917	490536.72, 3860935.12	1.34E-02	4.22E-06	5.57E-07	7.25E-03	2.29E-06	3.02E-07	1.15E-03	3.64E-07	4.81E-08	1.18E-03	3.72E-07	4.91E-08	5.58E-07	3.03E-07
918	490586.72, 3860935.12	1.33E-02	4.20E-06	5.54E-07	7.24E-03	2.28E-06	3.02E-07	1.18E-03	3.72E-07	4.91E-08	1.20E-03	3.80E-07	5.02E-08	5.55E-07	3.03E-07
919	490636.72, 3860935.12	1.32E-02	4.18E-06	5.52E-07	7.22E-03	2.28E-06	3.01E-07	1.21E-03	3.81E-07	5.03E-08	1.23E-03	3.89E-07	5.14E-08	5.53E-07	3.02E-07
920	490686.72, 3860935.12	1.32E-02	4.16E-06	5.50E-07	7.22E-03	2.28E-06	3.01E-07	1.24E-03	3.91E-07	5.16E-08	1.27E-03	3.99E-07	5.27E-08	5.51E-07	3.02E-07
921	490736.72, 3860935.12	1.31E-02	4.14E-06	5.47E-07	7.21E-03	2.28E-06	3.00E-07	1.27E-03	4.00E-07	5.29E-08	1.30E-03	4.10E-07	5.41E-08	5.48E-07	3.02E-07
922	490786.72, 3860935.12	1.31E-02	4.13E-06	5.45E-07	7.21E-03	2.28E-06	3.00E-07	1.30E-03	4.11E-07	5.42E-08	1.33E-03	4.21E-07	5.56E-08	5.47E-07	3.02E-07
923	490836.72, 3860935.12	1.31E-02	4.12E-06	5.44E-07	7.22E-03	2.28E-06	3.01E-07	1.34E-03	4.23E-07	5.58E-08	1.37E-03	4.33E-07	5.72E-08	5.46E-07	3.02E-07
924	490086.72, 3860985.12	1.30E-02	4.12E-06	5.43E-07	6.95E-03	2.19E-06	2.90E-07	9.37E-04	2.96E-07	3.90E-08	9.60E-04	3.03E-07	4.00E-08	5.44E-07	2.91E-07
925	490136.72, 3860985.12	1.30E-02	4.10E-06	5.41E-07	6.93E-03	2.19E-06	2.89E-07	9.52E-04	3.01E-07	3.97E-08	9.74E-04	3.08E-07	4.06E-08	5.42E-07	2.90E-07
926	490186.72, 3860985.12	1.29E-02	4.07E-06	5.38E-07	6.91E-03	2.18E-06	2.88E-07	9.70E-04	3.06E-07	4.04E-08	9.92E-04	3.13E-07	4.13E-08	5.39E-07	2.89E-07
927	490236.72, 3860985.12	1.28E-02	4.05E-06	5.35E-07	6.89E-03	2.17E-06	2.87E-07	9.85E-04	3.11E-07	4.11E-08	1.01E-03	3.18E-07	4.20E-08	5.36E-07	2.88E-07
928	490286.72, 3860985.12	1.28E-02	4.03E-06	5.32E-07	6.87E-03	2.17E-06	2.86E-07	1.00E-03	3.17E-07	4.18E-08	1.03E-03	3.24E-07	4.28E-08	5.33E-07	2.87E-07
929	490336.72, 3860985.12	1.27E-02	4.01E-06	5.30E-07	6.85E-03	2.16E-06	2.85E-07	1.02E-03	3.23E-07	4.26E-08	1.05E-03	3.30E-07	4.36E-08	5.31E-07	2.86E-07
930	490386.72, 3860985.12	1.27E-02	3.99E-06	5.27E-07	6.83E-03	2.16E-06	2.85E-07	1.04E-03	3.29E-07	4.35E-08	1.07E-03	3.36E-07	4.44E-08	5.28E-07	2.86E-07
931	490436.72, 3860985.12	1.26E-02	3.98E-06	5.26E-07	6.83E-03	2.16E-06	2.85E-07	1.07E-03	3.36E-07	4.44E-08	1.09E-03	3.44E-07	4.54E-08	5.27E-07	2.86E-07
932	490486.72, 3860985.12	1.26E-02	3.97E-06	5.24E-07	6.82E-03	2.15E-06	2.84E-07	1.09E-03	3.43E-07	4.53E-08	1.11E-03	3.50E-07	4.62E-08	5.24E-07	2.85E-07
933	490536.72, 3860985.12	1.25E-02	3.95E-06	5.22E-07	6.81E-03	2.15E-06	2.84E-07	1.11E-03	3.50E-07	4.62E-08	1.13E-03	3.58E-07	4.72E-08	5.23E-07	2.85E-07
934	490586.72, 3860985.12	1.25E-02	3.93E-06	5.19E-07	6.80E-03	2.15E-06	2.83E-07	1.13E-03	3.58E-07	4.73E-08	1.16E-03	3.65E-07	4.82E-08	5.20E-07	2.84E-07
935	490636.72, 3860985.12	1.24E-02	3.92E-06	5.18E-07	6.80E-03	2.14E-06	2.83E-07	1.16E-03	3.66E-07	4.83E-08	1.18E-03	3.74E-07	4.93E-08	5.19E-07	2.84E-07
936	490686.72, 3860985.12	1.24E-02	3.91E-06	5.16E-07	6.79E-03	2.14E-06	2.83E-07	1.19E-03	3.74E-07	4.94E-08	1.21E-03	3.82E-07	5.05E-08	5.17E-07	2.84E-07

937	490736.72, 3860985.12	1.23E-02	3.90E-06	5.14E-07	6.79E-03	2.14E-06	2.83E-07	1.21E-03	3.83E-07	5.06E-08	1.24E-03	3.92E-07	5.17E-08	5.16E-07	2.84E-07
938	490786.72, 3860985.12	1.23E-02	3.89E-06	5.13E-07	6.80E-03	2.15E-06	2.83E-07	1.25E-03	3.93E-07	5.19E-08	1.27E-03	4.02E-07	5.30E-08	5.14E-07	2.84E-07
939	490836.72, 3860985.12	1.23E-02	3.88E-06	5.12E-07	6.80E-03	2.15E-06	2.83E-07	1.28E-03	4.03E-07	5.33E-08	1.31E-03	4.13E-07	5.45E-08	5.13E-07	2.85E-07
940	490086.72, 3861035.12	1.21E-02	3.82E-06	5.04E-07	6.47E-03	2.04E-06	2.70E-07	9.07E-04	2.86E-07	3.78E-08	9.30E-04	2.94E-07	3.88E-08	5.05E-07	2.71E-07
941	490136.72, 3861035.12	1.20E-02	3.80E-06	5.02E-07	6.46E-03	2.04E-06	2.69E-07	9.23E-04	2.91E-07	3.84E-08	9.47E-04	2.99E-07	3.94E-08	5.03E-07	2.70E-07
942	490186.72, 3861035.12	1.20E-02	3.78E-06	5.00E-07	6.44E-03	2.03E-06	2.68E-07	9.38E-04	2.96E-07	3.91E-08	9.61E-04	3.03E-07	4.01E-08	5.01E-07	2.69E-07
943	490236.72, 3861035.12	1.20E-02	3.77E-06	4.98E-07	6.44E-03	2.03E-06	2.68E-07	9.56E-04	3.02E-07	3.98E-08	9.78E-04	3.09E-07	4.07E-08	4.99E-07	2.69E-07
944	490286.72, 3861035.12	1.19E-02	3.76E-06	4.96E-07	6.42E-03	2.03E-06	2.67E-07	9.71E-04	3.07E-07	4.05E-08	9.94E-04	3.14E-07	4.14E-08	4.97E-07	2.68E-07
945	490336.72, 3861035.12	1.19E-02	3.74E-06	4.94E-07	6.41E-03	2.02E-06	2.67E-07	9.88E-04	3.12E-07	4.12E-08	1.01E-03	3.19E-07	4.22E-08	4.95E-07	2.68E-07
946	490386.72, 3861035.12	1.18E-02	3.73E-06	4.93E-07	6.41E-03	2.02E-06	2.67E-07	1.01E-03	3.18E-07	4.20E-08	1.03E-03	3.26E-07	4.30E-08	4.94E-07	2.68E-07
947	490436.72, 3861035.12	1.18E-02	3.73E-06	4.92E-07	6.41E-03	2.02E-06	2.67E-07	1.03E-03	3.24E-07	4.28E-08	1.05E-03	3.32E-07	4.38E-08	4.93E-07	2.68E-07
948	490486.72, 3861035.12	1.18E-02	3.72E-06	4.91E-07	6.41E-03	2.02E-06	2.67E-07	1.05E-03	3.31E-07	4.37E-08	1.07E-03	3.38E-07	4.46E-08	4.92E-07	2.68E-07
949	490536.72, 3861035.12	1.17E-02	3.70E-06	4.89E-07	6.40E-03	2.02E-06	2.67E-07	1.07E-03	3.38E-07	4.46E-08	1.09E-03	3.45E-07	4.55E-08	4.90E-07	2.68E-07
950	490586.72, 3861035.12	1.17E-02	3.69E-06	4.87E-07	6.40E-03	2.02E-06	2.67E-07	1.09E-03	3.45E-07	4.55E-08	1.11E-03	3.52E-07	4.64E-08	4.88E-07	2.68E-07
951	490636.72, 3861035.12	1.17E-02	3.68E-06	4.86E-07	6.40E-03	2.02E-06	2.67E-07	1.12E-03	3.52E-07	4.65E-08	1.14E-03	3.59E-07	4.74E-08	4.87E-07	2.68E-07
952	490686.72, 3861035.12	1.16E-02	3.67E-06	4.85E-07	6.40E-03	2.02E-06	2.67E-07	1.14E-03	3.59E-07	4.74E-08	1.16E-03	3.67E-07	4.85E-08	4.86E-07	2.68E-07
953	490736.72, 3861035.12	1.16E-02	3.67E-06	4.84E-07	6.41E-03	2.02E-06	2.67E-07	1.17E-03	3.68E-07	4.86E-08	1.19E-03	3.76E-07	4.96E-08	4.85E-07	2.68E-07
954	490786.72, 3861035.12	1.16E-02	3.66E-06	4.83E-07	6.41E-03	2.02E-06	2.67E-07	1.19E-03	3.76E-07	4.97E-08	1.22E-03	3.85E-07	5.08E-08	4.84E-07	2.68E-07
955	490836.72, 3861035.12	1.16E-02	3.65E-06	4.82E-07	6.42E-03	2.03E-06	2.67E-07	1.22E-03	3.86E-07	5.09E-08	1.25E-03	3.95E-07	5.21E-08	4.83E-07	2.69E-07
956	490086.72, 3861085.12	1.13E-02	3.55E-06	4.69E-07	6.05E-03	1.91E-06	2.52E-07	8.82E-04	2.78E-07	3.67E-08	9.04E-04	2.85E-07	3.77E-08	4.70E-07	2.53E-07
957	490136.72, 3861085.12	1.12E-02	3.54E-06	4.68E-07	6.04E-03	1.91E-06	2.52E-07	8.96E-04	2.83E-07	3.73E-08	9.19E-04	2.90E-07	3.83E-08	4.69E-07	2.53E-07
958	490186.72, 3861085.12	1.12E-02	3.54E-06	4.67E-07	6.04E-03	1.91E-06	2.52E-07	9.12E-04	2.88E-07	3.80E-08	9.35E-04	2.95E-07	3.90E-08	4.68E-07	2.53E-07
959	490236.72, 3861085.12	1.12E-02	3.52E-06	4.65E-07	6.03E-03	1.90E-06	2.51E-07	9.26E-04	2.92E-07	3.86E-08	9.50E-04	3.00E-07	3.96E-08	4.66E-07	2.52E-07
960	490286.72, 3861085.12	1.11E-02	3.51E-06	4.63E-07	6.02E-03	1.90E-06	2.51E-07	9.41E-04	2.97E-07	3.92E-08	9.65E-04	3.04E-07	4.02E-08	4.64E-07	2.52E-07
961	490336.72, 3861085.12	1.11E-02	3.50E-06	4.62E-07	6.02E-03	1.90E-06	2.51E-07	9.57E-04	3.02E-07	3.99E-08	9.81E-04	3.10E-07	4.09E-08	4.63E-07	2.52E-07
962	490386.72, 3861085.12	1.11E-02	3.50E-06	4.61E-07	6.02E-03	1.90E-06	2.51E-07	9.76E-04	3.08E-07	4.07E-08	9.99E-04	3.15E-07	4.16E-08	4.62E-07	2.52E-07
963	490436.72, 3861085.12	1.11E-02	3.49E-06	4.60E-07	6.02E-03	1.90E-06	2.51E-07	9.93E-04	3.13E-07	4.14E-08	1.02E-03	3.21E-07	4.24E-08	4.61E-07	2.52E-07
964	490486.72, 3861085.12	1.10E-02	3.48E-06	4.60E-07	6.02E-03	1.90E-06	2.51E-07	1.01E-03	3.20E-07	4.22E-08	1.03E-03	3.27E-07	4.31E-08	4.60E-07	2.52E-07
965	490536.72, 3861085.12	1.10E-02	3.48E-06	4.59E-07	6.03E-03	1.90E-06	2.51E-07	1.03E-03	3.26E-07	4.30E-08	1.06E-03	3.33E-07	4.40E-08	4.60E-07	2.52E-07
966	490586.72, 3861085.12	1.10E-02	3.47E-06	4.58E-07	6.03E-03	1.90E-06	2.51E-07	1.05E-03	3.32E-07	4.39E-08	1.08E-03	3.40E-07	4.48E-08	4.59E-07	2.52E-07
967	490636.72, 3861085.12	1.10E-02	3.46E-06	4.57E-07	6.03E-03	1.90E-06	2.51E-07	1.07E-03	3.39E-07	4.48E-08	1.10E-03	3.46E-07	4.57E-08	4.58E-07	2.52E-07
968	490686.72, 3861085.12	1.09E-02	3.45E-06	4.56E-07	6.03E-03	1.90E-06	2.51E-07	1.10E-03	3.46E-07	4.57E-08	1.12E-03	3.53E-07	4.67E-08	4.57E-07	2.52E-07
969	490736.72, 3861085.12	1.09E-02	3.45E-06	4.55E-07	6.04E-03	1.91E-06	2.52E-07	1.12E-03	3.54E-07	4.67E-08	1.14E-03	3.61E-07	4.77E-08	4.56E-07	2.53E-07
970	490786.72, 3861085.12	1.09E-02	3.44E-06	4.55E-07	6.05E-03	1.91E-06	2.52E-07	1.15E-03	3.61E-07	4.77E-08	1.17E-03	3.69E-07	4.88E-08	4.56E-07	2.53E-07
971	490836.72, 3861085.12	1.09E-02	3.44E-06	4.54E-07	6.06E-03	1.91E-06	2.53E-07	1.17E-03	3.70E-07	4.88E-08	1.20E-03	3.78E-07	4.99E-08	4.55E-07	2.54E-07
972	490086.72, 3861135.12	1.05E-02	3.32E-06	4.38E-07	5.67E-03	1.79E-06	2.36E-07	8.57E-04	2.70E-07	3.57E-08	8.80E-04	2.78E-07	3.67E-08	4.39E-07	2.37E-07
973	490136.72, 3861135.12	1.05E-02	3.31E-06	4.37E-07	5.66E-03	1.79E-06	2.36E-07	8.69E-04	2.74E-07	3.62E-08	8.94E-04	2.82E-07	3.73E-08	4.38E-07	2.37E-07
974	490186.72, 3861135.12	1.05E-02	3.30E-06	4.36E-07	5.67E-03	1.79E-06	2.36E-07	8.85E-04	2.79E-07	3.69E-08	9.08E-04	2.86E-07	3.78E-08	4.37E-07	2.37E-07
975	490236.72, 3861135.12	1.05E-02	3.30E-06	4.36E-07	5.67E-03	1.79E-06	2.36E-07	8.99E-04	2.84E-07	3.75E-08	9.22E-04	2.91E-07	3.84E-08	4.37E-07	2.37E-07
976	490286.72, 3861135.12	1.04E-02	3.29E-06	4.34E-07	5.66E-03	1.79E-06	2.36E-07	9.13E-04	2.88E-07	3.80E-08	9.37E-04	2.96E-07	3.90E-08	4.35E-07	2.37E-07
977	490336.72, 3861135.12	1.04E-02	3.28E-06	4.33E-07	5.66E-03	1.79E-06	2.36E-07	9.29E-04	2.93E-07	3.87E-08	9.53E-04	3.01E-07	3.97E-08	4.34E-07	2.37E-07
978	490386.72, 3861135.12	1.04E-02	3.28E-06	4.33E-07	5.67E-03	1.79E-06	2.36E-07	9.46E-04	2.99E-07	3.94E-08	9.68E-04	3.05E-07	4.03E-08	4.34E-07	2.37E-07
979	490436.72, 3861135.12	1.04E-02	3.28E-06	4.32E-07	5.67E-03	1.79E-06	2.36E-07	9.62E-04	3.04E-07	4.01E-08	9.86E-04	3.11E-07	4.11E-08	4.33E-07	2.37E-07
980	490486.72, 3861135.12	1.04E-02	3.27E-06	4.32E-07	5.67E-03	1.79E-06	2.36E-07	9.81E-04	3.10E-07	4.09E-08	1.00E-03	3.16E-07	4.18E-08	4.32E-07	2.37E-07
981	490536.72, 3861135.12	1.03E-02	3.27E-06	4.31E-07	5.68E-03	1.79E-06	2.37E-07	9.98E-04	3.15E-07	4.16E-08	1.02E-03	3.23E-07	4.26E-08	4.32E-07	2.38E-07
982	490586.72, 3861135.12	1.03E-02	3.26E-06	4.31E-07	5.69E-03	1.80E-06	2.37E-07	1.02E-03	3.21E-07	4.24E-08	1.04E-03	3.28E-07	4.33E-08	4.32E-07	2.38E-07
983	490636.72, 3861135.12	1.03E-02	3.26E-06	4.30E-07	5.69E-03	1.80E-06	2.37E-07	1.04E-03	3.27E-07	4.32E-08	1.06E-03	3.34E-07	4.41E-08	4.31E-07	2.38E-07
984	490686.72, 3861135.12	1.03E-02	3.26E-06	4.30E-07	5.70E-03	1.80E-06	2.38E-07	1.06E-03	3.34E-07	4.41E-08	1.08E-03	3.41E-07	4.50E-08	4.31E-07	2.39E-07
985	490736.72, 3861135.12	1.03E-02	3.25E-06	4.29E-07	5.71E-03	1.80E-06	2.38E-07	1.08E-03	3.41E-07	4.50E-08	1.10E-03	3.48E-07	4.60E-08	4.30E-07	2.39E-07
986	490786.72, 3861135.12	1.03E-02	3.25E-06	4.29E-07	5.72E-03	1.81E-06	2.38E-07	1.10E-03	3.48E-07	4.59E-08	1.13E-03	3.55E-07	4.69E-08	4.30E-07	2.39E-07
987	490836.72, 3861135.12	1.03E-02	3.25E-06	4.29E-07	5.74E-03	1.81E-06	2.39E-07	1.13E-03	3.56E-07	4.70E-08	1.15E-03	3.64E-07	4.80E-08	4.30E-07	2.40E-07
988	490086.72, 3861185.12	9.85E-03	3.11E-06	4.10E-07	5.33E-03	1.68E-06	2.22E-07	8.33E-04	2.63E-07	3.47E-08	8.57E-04	2.70E-07	3.57E-08	4.11E-07	2.23E-07
989	490136.72, 3861185.12	9.83E-03	3.10E-06	4.09E-07	5.33E-03	1.68E-06	2.22E-07	8.44E-04	2.66E-07	3.52E-08	8.68E-04	2.74E-07	3.62E-08	4.10E-07	2.23E-07
990	490186.72, 3861185.12	9.82E-03	3.10E-06	4.09E-07	5.33E-03	1.68E-06	2.22E-07	8.58E-04	2.71E-07	3.58E-08	8.81E-04	2.78E-07	3.67E-08	4.10E-07	2.23E-07
991	490236.72, 3861185.12	9.80E-03	3.09E-06	4.08E-07	5.33E-03	1.68E-06	2.22E-07	8.73E-04	2.75E-07	3.64E-08	8.96E-04	2.83E-07	3.73E-08	4.09E-07	2.23E-07
992	490286.72, 3861185.12	9.79E-03	3.09E-06	4.08E-07	5.34E-03	1.68E-06	2.22E-07	8.87E-04	2.80E-07	3.69E-08	9.11E-04	2.87E-07	3.79E-08	4.09E-07	2.23E-07
993	490336.72, 3861185.12	9.77E-03	3.08E-06	4.07E-07	5.34E-03	1.69E-06	2.22E-07	9.01E-04	2.84E-07	3.75E-08	9.24E-04	2.92E-07	3.85E-08	4.08E-07	2.23E-07
994	490386.72, 3861185.12	9.76E-03	3.08E-06	4.07E-07	5.34E-03	1.69E-06	2.23E-07	9.16E-04	2.89E-07	3.82E-08	9.40E-04	2.97E-07	3.92E-08	4.08E-07	2.24E-07
995	490436.72, 3861185.12	9.77E-03	3.08E-06	4.07E-07	5.35E-03	1.69E-06	2.23E-07	9.32E-04	2.94E-07	3.88E-08	9.57E-04	3.02E-07	3.98E-08	4.08E-07	2.24E-07
996	490486.72, 3861185.12	9.76E-03	3.08E-06	4.06E-07	5.36E-03	1.69E-06	2.23E-07	9.49E-04	3.00E-07	3.95E-08	9.71E-04	3.07E-07	4.05E-08	4.07E-07	2.24E-07
997	490536.72, 3861185.12	9.76E-03	3.08E-06	4.07E-07	5.37E-03	1.70E-06	2.24E-07	9.67E-04	3.05E-07	4.03E-08	9.89E-04	3.12E-07	4.12E-08	4.08E-07	2.25E-07
998	490586.72, 3861185.12	9.75E-03	3.08E-06	4.06E-07	5.38E-03	1.70E-06	2.24E-07	9.85E-04	3.11E-07	4.11E-08	1.01E-03	3.18E-07	4.20E-08	4.07E-07	2.25E-07
999	490636.72, 3861185.12	9.73E-03	3.07E-06	4.05E-07	5.38E-03	1.70E-06	2.24E-07	1.00E-03	3.16E-07	4.18E-08	1.03E-03	3.24E-07	4.27E-08	4.06E-07	2.25E-07
1000	490686.72, 3861185.12	9.72E-03	3.07E-06	4.05E-07	5.39E-03	1.70E-06	2.25E-07	1.02E-03	3.22E-07	4.26E-08	1.04E-03	3.30E-07	4.35E-08	4.06E-07	2.26E-07
1001	490736.72, 3861185.12	9.73E-03	3.07E-06	4.05E-07	5.41E-03	1.71E-06	2.25E-07	1.04E-03	3.29E-07	4.35E-08	1.06E-03	3.36E-07	4.43E-08	4.06E-07	2.26E-07
1002	490786.72, 3861185.12	9.73E-03	3.07E-06	4.05E-07	5.42E-03	1.71E-06	2.26E-07	1.06E-03	3.36E-07	4.43E-08	1.09E-03	3.43E-07	4.53E-08	4.06E-07	2.27E-07
1003	490836.72, 3861185.12	9.73E-03	3.07E-06	4.05E-07	5.44E-03	1.72E-06	2.26E-07	1.09E-03	3.43E-07	4.53E-08	1.11E-03	3.50E-07	4.62E-08	4.06E-07	2.27E-07
1004	490086.72, 3861235.12	9.25E-03	2.92E-06	3.85E-07	5.03E-03	1.59E-06	2.09E-07	8.10E-04	2.56E-07	3.37E-08	8.34E-04	2.63E-07	3.47E-08	3.86E-07	2.10E-07
1005	490136.72, 3861235.12	9.25E-03	2.92E-06	3.85E-07	5.03E-03	1.59E-06	2.10E-07	8.22E-04	2.60E-07	3.43E-08	8.46E-04	2.67E-07	3.52E-08	3.86E-07	2.11E-07
1006	490186.72, 3861235.12	9.23E-03	2.91E-06	3.85E-07	5.03E-03	1.59E-06	2.10E-07	8.35E-04	2.64E-07	3.48E-08	8.59E-04	2.71E-07	3.58E-08	3.86E-07	2.11E-07
1007	490236.72, 3861235.12	9.22E-03	2.91E-06	3.84E-07	5.03E-03	1.59E-06	2.10E-07	8.47E-04	2.67E-07	3.53E-08	8.72E-04	2.75E-07	3.63E-08	3.85E-07	2.11E-07
1008	490286.72, 3861235.12	9.20E-03	2.90E-06	3.83E-07	5.05E-03	1.59E-06	2.11E-07	8.88E-04	2.80E-07	3.70E-08	9.12E-04	2.88E-07	3.80E-08	3.84E-07	2.12E-07
1009	490336.72, 3861235.12	9.19E-03	2.90E-06	3.83E-07	5.06E-03	1.60E-06	2.11E-07	9.04E-04	2.85E-07	3.77E-08	9.27E-04	2.93E-07	3.86E-08	3.84E-07	2.12E-07
1010	490486.72, 3861235.12	9.20E-03	2.90E-06	3.83E-07	5.07E-03	1.60E-06	2.11E-07	9.20E-04	2.90E-07	3.83E-08	9.42E-04	2.97E-07	3.92E-08	3.84E-07	2.12E-07
1011	490536.72, 3861235.12	9.20E-03	2.90E-06	3.83E-07	5.08E-03	1.60E-06	2.12E-07	9.37E-04	2.96E-07	3.90E-08	9.60E-04	3.03E-07	4.00E-08	3.84E-07	2.13E-07
1012	490586.72, 3861235.12	9.20E-03	2.91E-06	3.83E-07	5.10E-03	1.61E-06	2.12E-07	9.54E-04	3.01E-07	3.97E-08	9.76E-04	3.08E-07	4.07E-08	3.84E-07	2.13E-07
1013	490636.72, 3861235.12	9.19E-03	2.90E-06	3.83E-07	5.10E-03	1.61E-06	2.12E-07	9.70E-04	3.06E-07	4.04E-08	9.92E-04	3.13E-07	4.13E-08	3.84E-07	2.13E-07
1014	490686.72, 3861235.12	9.19E-03	2.90E-06	3.83E-07	5.11E-03	1.61E-06	2.13E-07	9.88E-04	3.12E-07	4.12E-08	1.01E-03	3.19E-07	4.21E-08	3.84E-07	2.14E-07
1015	490736.72, 3861235.12	9.19E-03	2.90E-06	3.83E-07	5.12E-03	1.62E-06	2.13E-07	1.01E-03	3.18E-07	4.20E-08	1.03E-03	3.25E-07	4.29E-08	3.84E-07	2.14E-07
1016	490786.72, 3861235.12	9.20E-03	2.90E-06	3.83E-07	5.14E-03	1.62E-06	2.14E-07	1.03E-03	3.24E-07	4.28E-08	1.05E-03	3.32E-07	4.38E-08	3.84E-07	2.15E-07
1017	490836.72, 3861235.12	9.21E-03	2.91E-06	3.84E-07	5.16E-03	1.63E-06	2.15E-07	1.05E-03	3.31E-07	4.37E-08	1.07E-03	3.38E-07	4.47E-08	3.85E-07	2.16E-07
1018	490086.72, 3861285.12	8.74E-03	2.76E-06	3.64E-07	4.77E-03	1.50E-06	1.99E-07	7.90E-04	2.49E-07	3.29E-08	8.13E-04	2.57E-07	3.39E-08	3.65E-07	2.00E-07
1019	490136.72, 3861285.12	8.74E-03	2.76E-06	3.64E-07	4.77E-03	1.51E-06	1.99E-07	8.00E-04	2.53E-07	3.33E-08	8.26E-04	2.61E-07	3.44E-08	3.65E-07	2.00E-07
1020	490186.72, 3861285.12	8.72E-03	2.75E-06	3.63E-07	4.77E-03	1.51E-06	1.99E-07	8.11E-04	2.56E-07	3.38E-08	8.36E-04	2.64E-07	3.48E-08	3.64E-07	2.00E-07
1021	490236.72, 3861285.12	8.72E-03	2.75E-06	3.63E-07	4.78E-03	1.51E-06	1.99E-07	8.24E-04	2.60E-07	3.43E-08	8.49E-04	2.68E-07	3.54E-08	3.64E-07	2.00E-07
1022	490386.72, 3861285.12	8.69E-03	2.74E-06	3.62E-07	4.79E-03	1.51E-06	1.99E-07	8.63E-04	2.72E-07	3.60E-08	8.86E-04	2.80E-07	3.69E-08	3.63E-07	2.00E-07
1023	490436.72, 3861285.12	8.69E-03	2.74E-06	3.62E-07	4.80E-03	1.51E-06	2.00E-07	8.77E-04	2.77E-07	3.65E-08	9.01E-04	2.84E-07	3.75E-08	3.63E-07	2.01E-07
1024	490486.72, 3861285.12	8.69E-03	2.74E-06	3.62E-07	4.81E-03	1.52E-06	2.00E-07	8.91E-04	2.81E-07	3.71E-08	9.16E-04	2.89E-07	3.81E-08	3.63E-07	2.01E-07
1025	490536.72, 3861285.12	8.69E-03	2.74E-06	3.62E-07	4.82E-03	1.52E-06	2.01E-07	9.07E-04	2.86E-07	3.78E-08	9.30E-04	2.94E-07	3.88E-08	3.63E-07	2.02E-07
1026	490586.72, 3861285.12	8.70E-03	2.75E-06	3.62E-07	4.83E-03	1.52E-06	2.01E-07	9.24E-04	2.92E-07	3.85E-08	9.47E-04	2.99E-07	3.94E-08	3.63E-07	2.02E-07
1027	490636.72, 3861285.12	8.69E-03	2.74E-06	3.62E-07	4.84E-03	1.53E-06	2.01E-07	9.40E-04	2.97E-07	3.92E-08	9.61E-04	3.03E-07	4.01E-08	3.63E-07	2.02E-07
1028	490686.72, 3861285.12	8.69E-03	2.74E-06	3.62E-07	4.85E-03	1.53E-06	2.02E-07	9.56E-04	3.02E-07	3.98E-08	9.79E-04	3.09E-07	4.08E-08	3.63E-07	2.03E-07
1029	490736.72, 3861285.12	8.71E-03	2.75E-06	3.63E-07	4.87E-03	1.54E-06	2.03E-07	9.76E-04	3.08E-07	4.07E-08	9.97E-04	3.15E-07	4.16E-08	3.64E-07	2.04E-07
1030	490786.72, 3861285.12	8.72E-03	2.75E-06	3.63E-07	4.88E-03	1.54E-06	2.03E-07	9.93E-04	3.13E-07	4.14E-08	1.02E-03	3.20E-07	4.23E-08	3.64E-07	2.04E-07

1031 490836.72, 3861285.12	8.72E-03	2.75E-06	3.63E-07	4.90E-03	1.55E-06	2.04E-07	1.01E-03	3.19E-07	4.22E-08	1.03E-03	3.27E-07	4.31E-08	3.64E-07	2.05E-07
1032 490061.24, 3859716.13	5.65E-02	1.78E-05	2.36E-06	3.30E-02	1.04E-05	1.38E-06	8.55E-03	2.70E-06	3.56E-07	8.83E-03	2.79E-06	3.68E-07	2.37E-06	1.39E-06
1033 490111.24, 3859716.13	5.95E-02	1.88E-05	2.48E-06	3.57E-02	1.13E-05	1.49E-06	1.04E-02	3.27E-06	4.32E-07	1.07E-02	3.39E-06	4.47E-07	2.49E-06	1.50E-06
1034 490161.24, 3859716.13	6.42E-02	2.03E-05	2.67E-06	3.96E-02	1.25E-05	1.65E-06	1.30E-02	4.10E-06	5.41E-07	1.34E-02	4.24E-06	5.60E-07	2.69E-06	1.67E-06
1035 490211.24, 3859716.13	7.15E-02	2.26E-05	2.98E-06	4.58E-02	1.44E-05	1.91E-06	1.70E-02	5.35E-06	7.06E-07	1.75E-02	5.53E-06	7.30E-07	3.00E-06	1.93E-06
1036 490061.24, 3859766.13	5.08E-02	1.60E-05	2.12E-06	2.86E-02	9.03E-06	1.19E-06	6.02E-03	1.90E-06	2.51E-07	6.18E-03	1.95E-06	2.58E-07	2.12E-06	1.20E-06
1037 490111.24, 3859766.13	5.17E-02	1.63E-05	2.16E-06	2.96E-02	9.35E-06	1.23E-06	6.86E-03	2.16E-06	2.86E-07	7.06E-03	2.23E-06	2.94E-07	2.16E-06	1.24E-06
1038 490161.24, 3859766.13	5.32E-02	1.68E-05	2.22E-06	3.10E-02	9.79E-06	1.29E-06	7.93E-03	2.50E-06	3.31E-07	8.18E-03	2.58E-06	3.41E-07	2.23E-06	1.30E-06
1039 490211.24, 3859766.13	5.55E-02	1.75E-05	2.31E-06	3.31E-02	1.04E-05	1.38E-06	9.40E-03	2.97E-06	3.92E-07	9.69E-03	3.06E-06	4.04E-07	2.33E-06	1.39E-06
1040 490061.24, 3859816.13	4.75E-02	1.50E-05	1.98E-06	2.61E-02	8.25E-06	1.09E-06	4.65E-03	1.47E-06	1.94E-07	4.77E-03	1.50E-06	1.99E-07	1.98E-06	1.09E-06
1041 490111.24, 3859816.13	4.77E-02	1.50E-05	1.99E-06	2.65E-02	8.37E-06	1.10E-06	5.13E-03	1.62E-06	2.14E-07	5.26E-03	1.66E-06	2.19E-07	1.99E-06	1.11E-06
1042 490161.24, 3859816.13	4.81E-02	1.52E-05	2.00E-06	2.71E-02	8.55E-06	1.13E-06	5.71E-03	1.80E-06	2.38E-07	5.86E-03	1.85E-06	2.44E-07	2.01E-06	1.13E-06
1043 490211.24, 3859816.13	4.88E-02	1.54E-05	2.03E-06	2.79E-02	8.81E-06	1.16E-06	6.42E-03	2.03E-06	2.68E-07	6.60E-03	2.08E-06	2.75E-07	2.04E-06	1.17E-06
1044 490061.24, 3859866.13	4.53E-02	1.43E-05	1.89E-06	2.45E-02	7.74E-06	1.02E-06	3.81E-03	1.20E-06	1.59E-07	3.89E-03	1.23E-06	1.62E-07	1.89E-06	1.03E-06
1045 490111.24, 3859866.13	4.51E-02	1.42E-05	1.88E-06	2.46E-02	7.77E-06	1.03E-06	4.11E-03	1.30E-06	1.71E-07	4.21E-03	1.33E-06	1.75E-07	1.88E-06	1.03E-06
1046 490161.24, 3859866.13	4.50E-02	1.42E-05	1.88E-06	2.48E-02	7.83E-06	1.03E-06	4.48E-03	1.41E-06	1.86E-07	4.58E-03	1.45E-06	1.91E-07	1.88E-06	1.04E-06
1047 490211.24, 3859866.13	4.51E-02	1.42E-05	1.88E-06	2.51E-02	7.93E-06	1.05E-06	4.90E-03	1.55E-06	2.04E-07	5.02E-03	1.59E-06	2.09E-07	1.89E-06	1.05E-06
1048 490061.24, 3859916.13	4.37E-02	1.38E-05	1.82E-06	2.34E-02	7.38E-06	9.74E-07	3.23E-03	1.02E-06	1.35E-07	3.30E-03	1.04E-06	1.38E-07	1.83E-06	9.77E-07
1049 490111.24, 3859916.13	4.33E-02	1.37E-05	1.80E-06	2.33E-02	7.35E-06	9.70E-07	3.45E-03	1.09E-06	1.44E-07	3.53E-03	1.11E-06	1.47E-07	1.81E-06	9.73E-07
1050 490161.24, 3859916.13	4.29E-02	1.35E-05	1.79E-06	2.33E-02	7.34E-06	9.69E-07	3.70E-03	1.17E-06	1.54E-07	3.78E-03	1.19E-06	1.57E-07	1.79E-06	9.73E-07
1051 490211.24, 3859916.13	4.27E-02	1.35E-05	1.78E-06	2.33E-02	7.36E-06	9.72E-07	3.97E-03	1.25E-06	1.66E-07	4.06E-03	1.28E-06	1.69E-07	1.78E-06	9.76E-07
1052 490229.25, 3859815.26	4.93E-02	1.56E-05	2.05E-06	2.84E-02	8.95E-06	1.18E-06	6.78E-03	2.14E-06	2.82E-07	6.96E-03	2.20E-06	2.90E-07	2.06E-06	1.19E-06
1053 490279.25, 3859815.26	5.07E-02	1.60E-05	2.11E-06	2.97E-02	9.37E-06	1.24E-06	7.79E-03	2.46E-06	3.25E-07	8.01E-03	2.53E-06	3.34E-07	2.12E-06	1.25E-06
1054 490329.25, 3859815.26	5.28E-02	1.67E-05	2.20E-06	3.16E-02	9.97E-06	1.32E-06	9.15E-03	2.89E-06	3.81E-07	9.39E-03	2.96E-06	3.91E-07	2.21E-06	1.33E-06
1055 490379.25, 3859815.26	5.61E-02	1.77E-05	2.34E-06	3.45E-02	1.09E-05	1.44E-06	1.11E-02	3.51E-06	4.63E-07	1.14E-02	3.59E-06	4.74E-07	2.35E-06	1.45E-06
1056 490429.25, 3859815.26	6.15E-02	1.94E-05	2.56E-06	3.91E-02	1.23E-05	1.63E-06	1.42E-02	4.48E-06	5.91E-07	1.44E-02	4.56E-06	6.01E-07	2.57E-06	1.64E-06
1057 490229.25, 3859865.26	4.53E-02	1.43E-05	1.89E-06	2.53E-02	8.00E-06	1.06E-06	5.10E-03	1.61E-06	2.12E-07	5.22E-03	1.65E-06	2.18E-07	1.89E-06	1.06E-06
1058 490279.25, 3859865.26	4.57E-02	1.44E-05	1.90E-06	2.59E-02	8.17E-06	1.08E-06	5.65E-03	1.78E-06	2.35E-07	5.79E-03	1.83E-06	2.41E-07	1.91E-06	1.08E-06
1059 490329.25, 3859865.26	4.64E-02	1.46E-05	1.93E-06	2.67E-02	8.42E-06	1.11E-06	6.33E-03	2.00E-06	2.64E-07	6.48E-03	2.05E-06	2.70E-07	1.94E-06	1.12E-06
1060 490379.25, 3859865.26	4.76E-02	1.50E-05	1.98E-06	2.78E-02	8.78E-06	1.16E-06	7.21E-03	2.28E-06	3.00E-07	7.38E-03	2.33E-06	3.08E-07	1.99E-06	1.17E-06
1061 490429.25, 3859865.26	4.94E-02	1.56E-05	2.06E-06	2.95E-02	9.30E-06	1.23E-06	8.39E-03	2.65E-06	3.49E-07	8.57E-03	2.71E-06	3.57E-07	2.07E-06	1.24E-06
1062 490229.25, 3859915.26	4.27E-02	1.35E-05	1.78E-06	2.34E-02	7.39E-06	9.75E-07	4.10E-03	1.29E-06	1.71E-07	4.19E-03	1.32E-06	1.75E-07	1.78E-06	9.79E-07
1063 490279.25, 3859915.26	4.26E-02	1.34E-05	1.78E-06	2.36E-02	7.45E-06	9.83E-07	4.44E-03	1.40E-06	1.85E-07	4.54E-03	1.43E-06	1.89E-07	1.78E-06	9.88E-07
1064 490329.25, 3859915.26	4.28E-02	1.35E-05	1.78E-06	2.39E-02	7.56E-06	9.97E-07	4.84E-03	1.53E-06	2.02E-07	4.96E-03	1.56E-06	2.06E-07	1.79E-06	1.00E-06
1065 490379.25, 3859915.26	4.31E-02	1.36E-05	1.80E-06	2.44E-02	7.71E-06	1.02E-06	5.34E-03	1.68E-06	2.22E-07	5.46E-03	1.72E-06	2.27E-07	1.80E-06	1.02E-06
1066 490429.25, 3859915.26	4.38E-02	1.38E-05	1.82E-06	2.52E-02	7.94E-06	1.05E-06	5.94E-03	1.87E-06	2.47E-07	6.08E-03	1.92E-06	2.53E-07	1.83E-06	1.05E-06
1067 490451.43, 3859872.59	4.93E-02	1.55E-05	2.05E-06	2.94E-02	9.29E-06	1.23E-06	8.48E-03	2.68E-06	3.53E-07	8.66E-03	2.73E-06	3.61E-07	2.06E-06	1.23E-06
1068 490501.43, 3859872.59	5.22E-02	1.65E-05	2.17E-06	3.20E-02	1.01E-05	1.33E-06	1.02E-02	3.22E-06	4.24E-07	1.04E-02	3.27E-06	4.32E-07	2.18E-06	1.34E-06
1069 490551.43, 3859872.59	5.68E-02	1.79E-05	2.37E-06	3.59E-02	1.13E-05	1.50E-06	1.28E-02	4.05E-06	5.35E-07	1.30E-02	4.10E-06	5.41E-07	2.37E-06	1.50E-06
1070 490601.43, 3859872.59	6.42E-02	2.03E-05	2.67E-06	4.23E-02	1.33E-05	1.76E-06	1.71E-02	5.38E-06	7.11E-07	1.71E-02	5.38E-06	7.11E-07	2.67E-06	1.76E-06
1071 490451.43, 3859922.59	4.36E-02	1.37E-05	1.81E-06	2.51E-02	7.91E-06	1.04E-06	5.99E-03	1.89E-06	2.50E-07	6.12E-03	1.93E-06	2.55E-07	1.82E-06	1.05E-06
1072 490501.43, 3859922.59	4.47E-02	1.41E-05	1.86E-06	2.61E-02	8.25E-06	1.09E-06	6.78E-03	2.14E-06	2.83E-07	6.93E-03	2.19E-06	2.89E-07	1.87E-06	1.09E-06
1073 490551.43, 3859922.59	4.65E-02	1.47E-05	1.94E-06	2.77E-02	8.75E-06	1.15E-06	7.87E-03	2.49E-06	3.28E-07	8.02E-03	2.53E-06	3.34E-07	1.94E-06	1.16E-06
1074 490601.43, 3859922.59	4.91E-02	1.55E-05	2.05E-06	3.00E-02	9.46E-06	1.25E-06	9.40E-03	2.97E-06	3.92E-07	9.53E-03	3.01E-06	3.97E-07	2.05E-06	1.25E-06
1075 482129.67, 3852241.07	3.20E-02	1.01E-05	1.33E-06	2.28E-02	7.19E-06	9.50E-07	1.12E-02	3.53E-06	4.66E-07	1.17E-02	3.70E-06	4.88E-07	1.36E-06	9.72E-07
1076 482029.67, 3852291.07	5.57E-02	1.76E-05	2.32E-06	4.06E-02	1.28E-05	1.69E-06	2.09E-02	6.59E-06	8.70E-07	2.18E-02	6.89E-06	9.09E-07	2.36E-06	1.73E-06
1077 482079.67, 3852291.07	4.41E-02	1.39E-05	1.84E-06	3.19E-02	1.01E-05	1.33E-06	1.62E-02	5.11E-06	6.75E-07	1.69E-02	5.35E-06	7.06E-07	1.87E-06	1.36E-06
1078 482129.67, 3852291.07	3.69E-02	1.16E-05	1.54E-06	2.64E-02	8.34E-06	1.10E-06	1.32E-02	4.15E-06	5.48E-07	1.38E-02	4.35E-06	5.74E-07	1.56E-06	1.13E-06
1079 482179.67, 3852291.07	3.18E-02	1.00E-05	1.33E-06	2.25E-02	7.12E-06	9.39E-07	1.09E-02	3.46E-06	4.56E-07	1.15E-02	3.62E-06	4.78E-07	1.35E-06	9.61E-07
1080 482229.67, 3852291.07	2.81E-02	8.88E-06	1.17E-06	1.97E-02	6.21E-06	8.20E-07	9.27E-03	2.92E-06	3.86E-07	9.73E-03	3.07E-06	4.05E-07	1.19E-06	8.39E-07
1081 482029.67, 3852341.07	7.53E-02	2.38E-05	3.14E-06	5.52E-02	1.74E-05	2.30E-06	2.88E-02	9.09E-06	1.20E-06	3.00E-02	9.48E-06	1.25E-06	3.19E-06	2.35E-06
1082 482079.67, 3852341.07	5.55E-02	1.75E-05	2.31E-06	4.04E-02	1.27E-05	1.68E-06	2.07E-02	6.53E-06	8.62E-07	2.16E-02	6.83E-06	9.01E-07	2.35E-06	1.72E-06
1083 482129.67, 3852341.07	4.40E-02	1.39E-05	1.83E-06	3.18E-02	1.00E-05	1.32E-06	1.61E-02	5.07E-06	6.69E-07	1.68E-02	5.31E-06	7.00E-07	1.86E-06	1.36E-06
1084 482179.67, 3852341.07	3.68E-02	1.16E-05	1.53E-06	2.63E-02	8.30E-06	1.10E-06	1.30E-02	4.11E-06	5.42E-07	1.36E-02	4.30E-06	5.68E-07	1.56E-06	1.12E-06
1085 482259.06, 3852400.14	3.48E-02	1.10E-05	1.45E-06	2.49E-02	7.85E-06	1.04E-06	1.23E-02	3.87E-06	5.11E-07	1.29E-02	4.06E-06	5.36E-07	1.48E-06	1.06E-06
1086 482309.06, 3852400.14	3.03E-02	9.56E-06	1.26E-06	2.13E-02	6.72E-06	8.87E-07	1.01E-02	3.20E-06	4.23E-07	1.06E-02	3.35E-06	4.43E-07	1.28E-06	9.07E-07
1087 482209.06, 3852450.14	5.00E-02	1.58E-05	2.08E-06	3.62E-02	1.14E-05	1.51E-06	1.84E-02	5.80E-06	7.66E-07	1.92E-02	6.07E-06	8.01E-07	2.12E-06	1.54E-06
1088 482259.06, 3852450.14	4.08E-02	1.29E-05	1.70E-06	2.93E-02	9.26E-06	1.22E-06	1.47E-02	4.63E-06	6.11E-07	1.53E-02	4.84E-06	6.39E-07	1.73E-06	1.25E-06
1089 482309.06, 3852450.14	3.47E-02	1.09E-05	1.44E-06	2.46E-02	7.76E-06	1.02E-06	1.20E-02	3.78E-06	4.99E-07	1.25E-02	3.96E-06	5.22E-07	1.47E-06	1.05E-06
1090 482209.06, 3852500.14	6.49E-02	2.05E-05	2.70E-06	4.72E-02	1.49E-05	1.97E-06	2.42E-02	7.64E-06	1.01E-06	2.53E-02	7.99E-06	1.05E-06	2.75E-06	2.01E-06
1091 482259.06, 3852500.14	4.98E-02	1.57E-05	2.08E-06	3.60E-02	1.14E-05	1.50E-06	1.82E-02	5.75E-06	7.59E-07	1.90E-02	6.01E-06	7.94E-07	2.11E-06	1.54E-06
1092 482309.06, 3852500.14	4.07E-02	1.28E-05	1.70E-06	2.91E-02	9.19E-06	1.21E-06	1.44E-02	4.55E-06	6.01E-07	1.51E-02	4.76E-06	6.29E-07	1.72E-06	1.24E-06
1093 482283.91, 3852513.62	4.74E-02	1.49E-05	1.97E-06	3.41E-02	1.08E-05	1.42E-06	1.72E-02	5.42E-06	7.15E-07	1.80E-02	5.67E-06	7.48E-07	2.01E-06	1.45E-06
1094 482333.91, 3852513.62	3.92E-02	1.24E-05	1.63E-06	2.80E-02	8.82E-06	1.16E-06	1.38E-02	4.35E-06	5.74E-07	1.44E-02	4.55E-06	6.01E-07	1.66E-06	1.19E-06
1095 482283.91, 3852563.62	6.04E-02	1.91E-05	2.52E-06	4.38E-02	1.38E-05	1.82E-06	2.23E-02	7.02E-06	9.27E-07	2.33E-02	7.34E-06	9.69E-07	2.56E-06	1.87E-06
1096 482333.91, 3852563.62	4.74E-02	1.49E-05	1.97E-06	3.41E-02	1.08E-05	1.42E-06	1.71E-02	5.39E-06	7.11E-07	1.79E-02	5.64E-06	7.44E-07	2.01E-06	1.45E-06
1097 482383.91, 3852563.62	3.93E-02	1.24E-05	1.64E-06	2.81E-02	8.85E-06	1.17E-06	1.38E-02	4.35E-06	5.75E-07	1.44E-02	4.56E-06	6.01E-07	1.67E-06	1.20E-06
1098 482283.91, 3852613.62	8.21E-02	2.59E-05	3.42E-06	5.99E-02	1.89E-05	2.50E-06	3.09E-02	9.75E-06	1.29E-06	3.22E-02	1.02E-05	1.34E-06	3.48E-06	2.55E-06
1099 482333.91, 3852613.62	6.02E-02	1.90E-05	2.51E-06	4.35E-02	1.37E-05	1.81E-06	2.20E-02	6.95E-06	9.18E-07	2.30E-02	7.27E-06	9.59E-07	2.55E-06	1.85E-06
1100 482383.91, 3852613.62	4.74E-02	1.50E-05	1.97E-06	3.40E-02	1.07E-05	1.42E-06	1.70E-02	5.36E-06	7.07E-07	1.78E-02	5.60E-06	7.40E-07	2.01E-06	1.45E-06
1101 482602.38, 3852600.87	2.56E-02	8.07E-06	1.07E-06	1.74E-02	5.50E-06	7.26E-07	7.70E-03	2.43E-06	3.21E-07	8.08E-03	2.55E-06	3.37E-07	1.08E-06	7.42E-07
1102 482652.38, 3852600.87	2.36E-02	7.46E-06	9.84E-07	1.59E-02	5.03E-06	6.64E-07	6.88E-03	2.17E-06	2.86E-07	7.24E-03	2.28E-06	3.01E-07	9.99E-07	6.79E-07
1103 482702.38, 3852600.87	2.19E-02	6.90E-06	9.11E-07	1.45E-02	4.58E-06	6.05E-07	6.01E-03	1.90E-06	2.50E-07	6.35E-03	2.00E-06	2.64E-07	9.25E-07	6.19E-07
1104 482552.38, 3852650.87	3.14E-02	9.92E-06	1.31E-06	2.19E-02	6.90E-06	9.10E-07	1.01E-02	3.20E-06	4.23E-07	1.06E-02	3.35E-06	4.42E-07	1.33E-06	9.30E-07
1105 482602.38, 3852650.87	2.82E-02	8.90E-06	1.17E-06	1.94E-02	6.11E-06	8.07E-07	8.75E-03	2.76E-06	3.64E-07	9.17E-03	2.89E-06	3.82E-07	1.19E-06	8.25E-07
1106 482652.38, 3852650.87	2.57E-02	8.12E-06	1.07E-06	1.75E-02	5.53E-06	7.30E-07	7.73E-03	2.44E-06	3.22E-07	8.13E-03	2.56E-06	3.39E-07	1.09E-06	7.46E-07
1107 482702.38, 3852650.87	2.38E-02	7.51E-06	9.91E-07	1.60E-02	5.06E-06	6.68E-07	6.92E-03	2.18E-06	2.88E-07	7.29E-03	2.30E-06	3.04E-07	1.01E-06	6.84E-07
1108 482552.38, 3852700.87	3.60E-02	1.14E-05	1.50E-06	2.52E-02	7.96E-06	1.05E-06	1.19E-02	3.77E-06	4.97E-07	1.25E-02	3.94E-06	5.20E-07	1.52E-06	1.07E-06
1109 482602.38, 3852700.87	3.17E-02	1.00E-05	1.32E-06	2.20E-02	6.95E-06	9.18E-07	1.02E-02	3.22E-06	4.25E-07	1.07E-02	3.37E-06	4.45E-07	1.34E-06	9.38E-07
1110 482652.38, 3852700.87	2.86E-02	9.04E-06	1.19E-06	1.98E-02	6.24E-06	8.23E-07	9.02E-03	2.85E-06	3.76E-07	9.47E-03	2.99E-06	3.95E-07	1.21E-06	8.42E-07
1111 482702.38, 3852700.87	2.60E-02	8.22E-06	1.08E-06	1.77E-02	5.60E-06	7.39E-07	7.86E-03	2.48E-06	3.28E-07	8.28E-03	2.61E-06	3.45E-07	1.10E-06	7.57E-07
1112 482452.38, 3852750.87	6.67E-02	2.10E-05	2.78E-06	4.79E-02	1.51E-05	2.00E-06	2.40E-02	7.58E-06	1.00E-06	2.51E-02	7.91E-06	1.04E-06	2.82E-06	2.04E-06
1113 482521.29, 3852749.74	4.72E-02	1.49E-05	1.97E-06	3.35E-02	1.06E-05	1.40E-06	1.63E-02	5.16E-06	6.81E-07	1.71E-02	5.39E-06	7.12E-07	2.00E-06	1.43E-06
1114 482571.29, 3852749.74	3.96E-02	1.25E-05	1.65E-06	2.78E-02	8.79E-06	1.16E-06	1.33E-02	4.20E-06	5.54E-07	1.39E-02	4.39E-06	5.79E-07	1.67E-06	1.18E-06
1115 482521.29, 3852799.74	5.97E-02	1.88E-05	2.49E-06	4.26E-02	1.35E-05	1.78E-06	2.10E-02	6.64E-06	8.76E-07	2.20E-02	6.93E-06	9.15E-07	2.52E-06	1.81E-06
1116 482571.29, 3852799.74	4.75E-02	1.50E-05	1.98E-06	3.36E-02	1.06E-05	1.40E-06	1.63E-02	5.14E-06	6.78E-07	1.70E-02	5.37E-06	7.09E-07	2.01E-06	1.43E-06
1117 482621.29, 3852799.74	3.99E-02	1.26E-05	1.66E-06	2.79E-02	8.81E-06	1.16E-06	1.32E-02	4.17E-06	5.50E-07	1.38E-02	4.36E-06	5.76E-07	1.69E-06	1.19E-06
1118 482571.29, 3852849.74	6.01E-02	1.90E-05	2.51E-06	4.27E-02	1.35E-05	1.78E-06	2.08E-02	6.56E-06	8.66E-07	2.17E-02	6.85E-06	9.04E-07	2.54E-06	1.82E-06
1119 482621.29, 3852849.74	4.79E-02	1.51E-05	2.00E-06	3.37E-02	1.06E-05	1.40E-06	1.60E-02	5.05E-06	6.67E-07	1.67E-02	5.28E-06	6.97E-07	2.03E-06	1.43E-06
1120 482577.42, 3852901.55	7.95E-02	2.51E-05	3.31E-06	5.64E-02	1.78E-05	2.35E-06	2.74E-02	8.65E-06	1.14E-06	2.86E-02	9.03E-06	1.19E-06	3.36E-06	2.40E-06
1121 482627.42, 3852901.55	5.94E-02	1.88E-05	2.48E-06	4.17E-02	1.31E-05	1.74E-06	1.97E-02	6.22E-06	8.22E-07	2.06E-02	6.50E-06	8.58E-07	2.51E-06	1.77E-06
1122 482629.96, 3852955.85	8.11E-02	2.56E-05	3.38E-06	5.68E-02	1.79E-05	2.37E-06	2.68E-02	8.47E-06	1.12E-06	2.80E-02	8.85E-06	1.17E-06	3.43E-06	2.42E-06
1123 482679.96, 3852955.85	6.05E-02	1.91E-05	2.52E-06	4.18E-02	1.32E-05	1.74E-06	1.92E-02	6.05E-06	7.99E-07	2.01E-02	6.35E-06	8.38E-07	2.56E-06	1.78E-06
1124 482781.63, 3853034.48	5.07E-02	1.60E-05	2.11E-06	3.38E-02	1.07E-05	1.41E-06	1.41E-02	4.46E-06	5.89E-07	1.50E-02	4.74E-06	6.26E-07	2.15E-06	1.45E-06

1125	482831.63, 3853034.48	4.21E-02	1.33E-05	1.75E-06	2.78E-02	8.79E-06	1.16E-06	1.14E-02	3.59E-06	4.74E-07	1.21E-02	3.82E-06	5.05E-07	1.79E-06	1.19E-06
1126	482881.63, 3853034.48	3.63E-02	1.15E-05	1.51E-06	2.38E-02	7.50E-06	9.91E-07	9.44E-03	2.98E-06	3.93E-07	1.01E-02	3.18E-06	4.19E-07	1.54E-06	1.02E-06
1127	482781.63, 3853084.48	5.82E-02	1.84E-05	2.42E-06	3.86E-02	1.22E-05	1.61E-06	1.60E-02	5.05E-06	6.66E-07	1.70E-02	5.36E-06	7.07E-07	2.47E-06	1.65E-06
1128	482831.63, 3853084.48	4.70E-02	1.48E-05	1.96E-06	3.10E-02	9.77E-06	1.29E-06	1.25E-02	3.96E-06	5.22E-07	1.33E-02	4.21E-06	5.56E-07	1.99E-06	1.32E-06
1129	482881.63, 3853084.48	3.99E-02	1.26E-05	1.66E-06	2.61E-02	8.24E-06	1.09E-06	1.03E-02	3.26E-06	4.30E-07	1.10E-02	3.47E-06	4.59E-07	1.69E-06	1.12E-06
1130	482781.63, 3853134.48	6.74E-02	2.13E-05	2.81E-06	4.49E-02	1.42E-05	1.87E-06	1.86E-02	5.88E-06	7.76E-07	1.98E-02	6.23E-06	8.23E-07	2.86E-06	1.92E-06
1131	482831.63, 3853134.48	5.27E-02	1.66E-05	2.20E-06	3.48E-02	1.10E-05	1.45E-06	1.41E-02	4.45E-06	5.87E-07	1.50E-02	4.73E-06	6.24E-07	2.23E-06	1.48E-06
1132	482881.63, 3853134.48	4.39E-02	1.39E-05	1.83E-06	2.87E-02	9.07E-06	1.20E-06	1.14E-02	3.59E-06	4.74E-07	1.21E-02	3.82E-06	5.05E-07	1.86E-06	1.23E-06
1133	482831.63, 3853184.48	6.01E-02	1.90E-05	2.50E-06	3.97E-02	1.25E-05	1.65E-06	1.62E-02	5.11E-06	6.74E-07	1.72E-02	5.42E-06	7.15E-07	2.54E-06	1.69E-06
1134	482881.63, 3853184.48	4.87E-02	1.54E-05	2.03E-06	3.19E-02	1.01E-05	1.33E-06	1.27E-02	4.00E-06	5.27E-07	1.35E-02	4.25E-06	5.61E-07	2.06E-06	1.36E-06
1135	484154.84, 3854250.98	5.54E-02	1.75E-05	2.31E-06	2.82E-02	8.92E-06	1.18E-06	1.96E-03	6.19E-07	8.16E-08	5.45E-03	1.72E-06	2.27E-07	2.45E-06	1.32E-06
1136	484204.84, 3854250.98	5.35E-02	1.69E-05	2.23E-06	2.73E-02	8.61E-06	1.14E-06	1.90E-03	5.99E-07	7.91E-08	5.15E-03	1.63E-06	2.15E-07	2.37E-06	1.27E-06
1137	484154.84, 3854300.98	6.02E-02	1.90E-05	2.51E-06	3.06E-02	9.65E-06	1.27E-06	1.94E-03	6.13E-07	8.09E-08	5.97E-03	1.89E-06	2.49E-07	2.68E-06	1.44E-06
1138	484204.84, 3854300.98	5.79E-02	1.83E-05	2.41E-06	2.94E-02	9.28E-06	1.22E-06	1.89E-03	5.97E-07	7.88E-08	5.66E-03	1.79E-06	2.36E-07	2.57E-06	1.38E-06
1139	484074.19, 3854519.8	1.06E-01	3.35E-05	4.43E-06	5.31E-02	1.68E-05	2.21E-06	2.14E-03	6.76E-07	8.93E-08	1.53E-02	4.82E-06	6.37E-07	4.97E-06	2.76E-06
1140	484124.19, 3854519.8	9.83E-02	3.10E-05	4.09E-06	4.92E-02	1.55E-05	2.05E-06	2.06E-03	6.50E-07	8.58E-08	1.29E-02	4.07E-06	5.37E-07	4.55E-06	2.50E-06
1141	484074.19, 3854569.8	1.26E-01	3.98E-05	5.26E-06	6.28E-02	1.98E-05	2.62E-06	2.20E-03	6.93E-07	9.15E-08	2.13E-02	6.72E-06	8.86E-07	6.05E-06	3.41E-06
1142	484124.19, 3854569.8	1.14E-01	3.61E-05	4.77E-06	5.71E-02	1.80E-05	2.38E-06	2.10E-03	6.62E-07	8.73E-08	1.69E-02	5.32E-06	7.02E-07	5.38E-06	2.99E-06
1143	485205.11, 3855188.89	1.12E-01	3.52E-05	4.65E-06	5.56E-02	1.75E-05	2.32E-06	1.97E-03	6.23E-07	8.22E-08	1.22E-02	3.85E-06	5.08E-07	5.08E-06	2.74E-06
1144	485255.11, 3855188.89	1.05E-01	3.31E-05	4.37E-06	5.23E-02	1.65E-05	2.18E-06	1.90E-03	6.01E-07	7.94E-08	1.04E-02	3.29E-06	4.35E-07	4.73E-06	2.54E-06
1145	485205.11, 3855238.89	1.24E-01	3.90E-05	5.15E-06	6.15E-02	1.94E-05	2.56E-06	2.02E-03	6.37E-07	8.41E-08	1.41E-02	4.45E-06	5.88E-07	5.65E-06	3.07E-06
1146	485255.11, 3855238.89	1.14E-01	3.60E-05	4.76E-06	5.68E-02	1.79E-05	2.37E-06	1.97E-03	6.21E-07	8.20E-08	1.20E-02	3.78E-06	4.99E-07	5.17E-06	2.78E-06
1147	485205.11, 3855288.89	1.38E-01	4.35E-05	5.74E-06	6.84E-02	2.16E-05	2.85E-06	2.14E-03	6.74E-07	8.90E-08	1.84E-02	5.80E-06	7.65E-07	6.42E-06	3.53E-06
1148	485255.11, 3855288.89	1.25E-01	3.94E-05	5.20E-06	6.21E-02	1.96E-05	2.59E-06	2.07E-03	6.54E-07	8.63E-08	1.47E-02	4.64E-06	6.12E-07	5.72E-06	3.11E-06
1149	485255.11, 3855338.89	1.40E-01	4.43E-05	5.85E-06	6.98E-02	2.20E-05	2.91E-06	2.18E-03	6.89E-07	9.10E-08	1.88E-02	5.94E-06	7.84E-07	6.55E-06	3.60E-06
1150	485305.11, 3855338.89	1.27E-01	3.99E-05	5.27E-06	6.30E-02	1.99E-05	2.62E-06	2.11E-03	6.66E-07	8.79E-08	1.50E-02	4.74E-06	6.26E-07	5.81E-06	3.16E-06
1151	485852.5, 3855635.28	9.82E-02	3.10E-05	4.09E-06	4.91E-02	1.55E-05	2.05E-06	2.01E-03	6.34E-07	8.37E-08	7.90E-03	2.49E-06	3.29E-07	4.34E-06	2.29E-06
1152	485902.5, 3855635.28	9.41E-02	2.97E-05	3.92E-06	4.70E-02	1.48E-05	1.96E-06	1.95E-03	6.15E-07	8.11E-08	7.12E-03	2.25E-06	2.97E-07	4.13E-06	2.18E-06
1153	485852.5, 3855685.28	1.04E-01	3.30E-05	4.35E-06	5.22E-02	1.65E-05	2.17E-06	2.08E-03	6.56E-07	8.66E-08	8.79E-03	2.78E-06	3.66E-07	4.63E-06	2.45E-06
1154	485902.5, 3855685.28	9.96E-02	3.14E-05	4.15E-06	4.98E-02	1.57E-05	2.07E-06	2.01E-03	6.34E-07	8.37E-08	7.84E-03	2.47E-06	3.27E-07	4.39E-06	2.32E-06
1155	485852.5, 3855735.28	1.12E-01	3.54E-05	4.67E-06	5.60E-02	1.77E-05	2.33E-06	2.15E-03	6.79E-07	8.96E-08	9.93E-03	3.13E-06	4.14E-07	5.00E-06	2.66E-06
1156	485902.5, 3855735.28	1.06E-01	3.34E-05	4.41E-06	5.29E-02	1.67E-05	2.20E-06	2.09E-03	6.59E-07	8.70E-08	8.78E-03	2.77E-06	3.66E-07	4.69E-06	2.48E-06
1157	485852.5, 3855785.28	1.22E-01	3.84E-05	5.07E-06	6.07E-02	1.91E-05	2.53E-06	2.24E-03	7.07E-07	9.33E-08	1.15E-02	3.63E-06	4.79E-07	5.45E-06	2.91E-06
1158	485902.5, 3855785.28	1.14E-01	3.59E-05	4.74E-06	5.68E-02	1.79E-05	2.37E-06	2.16E-03	6.80E-07	8.98E-08	9.89E-03	3.12E-06	4.12E-07	5.06E-06	2.69E-06
1159	486809.46, 3856465.28	1.01E-01	3.18E-05	4.20E-06	5.05E-02	1.59E-05	2.10E-06	2.14E-03	6.74E-07	8.90E-08	7.10E-03	2.24E-06	2.96E-07	4.41E-06	2.31E-06
1160	486859.46, 3856465.28	9.62E-02	3.03E-05	4.01E-06	4.82E-02	1.52E-05	2.01E-06	2.10E-03	6.63E-07	8.75E-08	6.56E-03	2.07E-06	2.73E-07	4.19E-06	2.19E-06
1161	486909.46, 3856465.28	9.21E-02	2.91E-05	3.84E-06	4.62E-02	1.46E-05	1.92E-06	2.06E-03	6.52E-07	8.60E-08	6.09E-03	1.92E-06	2.54E-07	4.01E-06	2.09E-06
1162	486809.46, 3856515.28	1.07E-01	3.37E-05	4.45E-06	5.34E-02	1.68E-05	2.22E-06	2.20E-03	6.96E-07	9.18E-08	7.80E-03	2.46E-06	3.25E-07	4.68E-06	2.46E-06
1163	486859.46, 3856515.28	1.01E-01	3.19E-05	4.21E-06	5.06E-02	1.60E-05	2.11E-06	2.17E-03	6.86E-07	9.05E-08	7.14E-03	2.25E-06	2.98E-07	4.42E-06	2.32E-06
1164	486909.46, 3856515.28	9.65E-02	3.04E-05	4.02E-06	4.83E-02	1.53E-05	2.01E-06	2.14E-03	6.74E-07	8.90E-08	6.59E-03	2.08E-06	2.75E-07	4.20E-06	2.20E-06
1165	486980.94, 3856357.95	8.03E-02	2.53E-05	3.35E-06	4.03E-02	1.27E-05	1.68E-06	1.90E-03	5.99E-07	7.90E-08	4.84E-03	1.53E-06	2.02E-07	3.47E-06	1.80E-06
1166	487030.94, 3856357.95	7.78E-02	2.46E-05	3.24E-06	3.91E-02	1.23E-05	1.63E-06	1.87E-03	5.90E-07	7.79E-08	4.60E-03	1.45E-06	1.92E-07	3.36E-06	1.74E-06
1167	486980.94, 3856407.95	8.32E-02	2.63E-05	3.47E-06	4.18E-02	1.32E-05	1.74E-06	1.96E-03	6.17E-07	8.14E-08	5.15E-03	1.63E-06	2.15E-07	3.60E-06	1.87E-06
1168	487030.94, 3856407.95	8.05E-02	2.54E-05	3.35E-06	4.04E-02	1.28E-05	1.68E-06	1.93E-03	6.08E-07	8.02E-08	4.87E-03	1.54E-06	2.03E-07	3.48E-06	1.81E-06
1169	487447.18, 3856437.45	6.52E-02	2.06E-05	2.71E-06	3.29E-02	1.04E-05	1.37E-06	1.76E-03	5.56E-07	7.34E-08	3.49E-03	1.10E-06	1.45E-07	2.79E-06	1.44E-06
1170	487497.18, 3856437.45	6.37E-02	2.01E-05	2.65E-06	3.21E-02	1.01E-05	1.34E-06	1.74E-03	5.50E-07	7.26E-08	3.37E-03	1.06E-06	1.40E-07	2.72E-06	1.41E-06
1171	487547.18, 3856437.45	6.22E-02	1.96E-05	2.59E-06	3.14E-02	9.91E-06	1.31E-06	1.73E-03	5.45E-07	7.20E-08	3.26E-03	1.03E-06	1.36E-07	2.66E-06	1.37E-06
1172	487447.18, 3856487.45	6.69E-02	2.11E-05	2.79E-06	3.38E-02	1.07E-05	1.41E-06	1.81E-03	5.71E-07	7.53E-08	3.63E-03	1.14E-06	1.51E-07	2.86E-06	1.48E-06
1173	487497.18, 3856487.45	6.54E-02	2.06E-05	2.72E-06	3.30E-02	1.04E-05	1.37E-06	1.79E-03	5.64E-07	7.45E-08	3.49E-03	1.10E-06	1.46E-07	2.79E-06	1.44E-06
1174	487547.18, 3856487.45	6.39E-02	2.02E-05	2.66E-06	3.22E-02	1.02E-05	1.34E-06	1.77E-03	5.59E-07	7.37E-08	3.38E-03	1.07E-06	1.41E-07	2.73E-06	1.41E-06
1175	487447.18, 3856537.45	6.89E-02	2.18E-05	2.87E-06	3.48E-02	1.10E-05	1.45E-06	1.86E-03	5.86E-07	7.73E-08	3.77E-03	1.19E-06	1.57E-07	2.95E-06	1.53E-06
1176	487497.18, 3856537.45	6.73E-02	2.12E-05	2.80E-06	3.39E-02	1.07E-05	1.41E-06	1.83E-03	5.78E-07	7.64E-08	3.63E-03	1.15E-06	1.51E-07	2.88E-06	1.49E-06
1177	487547.18, 3856537.45	6.57E-02	2.07E-05	2.74E-06	3.31E-02	1.05E-05	1.38E-06	1.82E-03	5.73E-07	7.56E-08	3.50E-03	1.11E-06	1.46E-07	2.81E-06	1.45E-06
1178	489285.89, 3858826.54	8.95E-02	2.83E-05	3.73E-06	4.90E-02	1.55E-05	2.04E-06	8.34E-03	2.63E-06	3.47E-07	9.01E-03	2.84E-06	3.76E-07	3.76E-06	2.07E-06
1179	489335.89, 3858826.54	8.44E-02	2.67E-05	3.52E-06	4.61E-02	1.46E-05	1.92E-06	7.77E-03	2.45E-06	3.24E-07	8.26E-03	2.61E-06	3.44E-07	3.54E-06	1.94E-06
1180	489385.89, 3858826.54	8.04E-02	2.54E-05	3.35E-06	4.38E-02	1.38E-05	1.83E-06	7.27E-03	2.29E-06	3.03E-07	7.62E-03	2.41E-06	3.18E-07	3.36E-06	1.84E-06
1181	489435.89, 3858826.54	7.69E-02	2.43E-05	3.21E-06	4.19E-02	1.32E-05	1.74E-06	6.83E-03	2.16E-06	2.85E-07	7.09E-03	2.24E-06	2.95E-07	3.22E-06	1.75E-06
1182	489485.89, 3858826.54	7.39E-02	2.33E-05	3.08E-06	4.01E-02	1.27E-05	1.67E-06	6.45E-03	2.04E-06	2.69E-07	6.63E-03	2.09E-06	2.76E-07	3.09E-06	1.68E-06
1183	489535.89, 3858826.54	7.12E-02	2.25E-05	2.97E-06	3.86E-02	1.22E-05	1.61E-06	6.12E-03	1.93E-06	2.55E-07	6.24E-03	1.97E-06	2.60E-07	2.97E-06	1.61E-06
1184	489585.89, 3858826.54	6.88E-02	2.17E-05	2.86E-06	3.72E-02	1.17E-05	1.55E-06	5.82E-03	1.84E-06	2.42E-07	5.90E-03	1.86E-06	2.46E-07	2.87E-06	1.55E-06
1185	489635.89, 3858826.54	6.65E-02	2.10E-05	2.77E-06	3.60E-02	1.14E-05	1.50E-06	5.55E-03	1.75E-06	2.31E-07	5.59E-03	1.76E-06	2.33E-07	2.77E-06	1.50E-06
1186	489685.89, 3858826.54	6.45E-02	2.04E-05	2.69E-06	3.48E-02	1.10E-05	1.45E-06	5.30E-03	1.67E-06	2.21E-07	5.32E-03	1.68E-06	2.22E-07	2.69E-06	1.45E-06
1187	489735.89, 3858826.54	6.26E-02	1.98E-05	2.61E-06	3.37E-02	1.06E-05	1.41E-06	5.08E-03	1.60E-06	2.11E-07	5.08E-03	1.60E-06	2.12E-07	2.61E-06	1.41E-06
1188	489785.89, 3858826.54	6.08E-02	1.92E-05	2.53E-06	3.28E-02	1.03E-05	1.36E-06	4.87E-03	1.54E-06	2.03E-07	4.86E-03	1.54E-06	2.03E-07	2.53E-06	1.36E-06
1189	489835.89, 3858826.54	5.92E-02	1.87E-05	2.47E-06	3.18E-02	1.01E-05	1.33E-06	4.68E-03	1.48E-06	1.95E-07	4.66E-03	1.47E-06	1.94E-07	2.47E-06	1.33E-06
1190	489885.89, 3858826.54	5.77E-02	1.82E-05	2.40E-06	3.10E-02	9.78E-06	1.29E-06	4.51E-03	1.42E-06	1.88E-07	4.48E-03	1.41E-06	1.87E-07	2.40E-06	1.29E-06
1191	489935.89, 3858826.54	5.62E-02	1.77E-05	2.34E-06	3.02E-02	9.52E-06	1.26E-06	4.35E-03	1.37E-06	1.81E-07	4.31E-03	1.36E-06	1.80E-07	2.34E-06	1.26E-06
1192	489985.89, 3858826.54	5.48E-02	1.73E-05	2.28E-06	2.94E-02	9.28E-06	1.22E-06	4.20E-03	1.33E-06	1.75E-07	4.16E-03	1.31E-06	1.73E-07	2.28E-06	1.22E-06
1193	490035.89, 3858826.54	5.36E-02	1.69E-05	2.23E-06	2.87E-02	9.05E-06	1.19E-06	4.05E-03	1.28E-06	1.69E-07	4.00E-03	1.26E-06	1.67E-07	2.23E-06	1.19E-06
1194	489285.89, 3858876.54	9.50E-02	3.00E-05	3.96E-06	5.25E-02	1.66E-05	2.19E-06	9.65E-03	3.04E-06	4.02E-07	1.05E-02	3.31E-06	4.37E-07	3.99E-06	2.22E-06
1195	489335.89, 3858876.54	8.89E-02	2.81E-05	3.70E-06	4.90E-02	1.55E-05	2.04E-06	8.88E-03	2.80E-06	3.70E-07	9.47E-03	2.99E-06	3.95E-07	3.73E-06	2.07E-06
1196	489385.89, 3858876.54	8.42E-02	2.66E-05	3.51E-06	4.63E-02	1.46E-05	1.93E-06	8.23E-03	2.60E-06	3.43E-07	8.65E-03	2.73E-06	3.61E-07	3.52E-06	1.95E-06
1197	489435.89, 3858876.54	8.03E-02	2.53E-05	3.34E-06	4.40E-02	1.39E-05	1.83E-06	7.68E-03	2.42E-06	3.20E-07	7.97E-03	2.52E-06	3.32E-07	3.36E-06	1.85E-06
1198	489485.89, 3858876.54	7.69E-02	2.43E-05	3.20E-06	4.21E-02	1.33E-05	1.75E-06	7.19E-03	2.27E-06	3.00E-07	7.40E-03	2.33E-06	3.08E-07	3.21E-06	1.76E-06
1199	489535.89, 3858876.54	7.39E-02	2.33E-05	3.08E-06	4.03E-02	1.27E-05	1.68E-06	6.77E-03	2.14E-06	2.82E-07	6.90E-03	2.18E-06	2.88E-07	3.08E-06	1.69E-06
1200	489585.89, 3858876.54	7.12E-02	2.25E-05	2.96E-06	3.88E-02	1.22E-05	1.61E-06	6.39E-03	2.02E-06	2.66E-07	6.48E-03	2.04E-06	2.70E-07	2.97E-06	1.62E-06
1201	489635.89, 3858876.54	6.87E-02	2.17E-05	2.86E-06	3.73E-02	1.18E-05	1.56E-06	6.06E-03	1.91E-06	2.53E-07	6.11E-03	1.93E-06	2.55E-07	2.86E-06	1.56E-06
1202	489685.89, 3858876.54	6.64E-02	2.10E-05	2.77E-06	3.60E-02	1.14E-05	1.50E-06	5.77E-03	1.82E-06	2.40E-07	5.79E-03	1.83E-06	2.41E-07	2.77E-06	1.50E-06
1203	489735.89, 3858876.54	6.43E-02	2.03E-05	2.68E-06	3.49E-02	1.10E-05	1.45E-06	5.50E-03	1.74E-06	2.29E-07	5.50E-03	1.74E-06	2.29E-07	2.68E-06	1.45E-06
1204	489785.89, 3858876.54	6.24E-02	1.97E-05	2.60E-06	3.38E-02	1.07E-05	1.41E-06	5.26E-03	1.66E-06	2.19E-07	5.25E-03	1.66E-06	2.19E-07	2.60E-06	1.41E-06
1205	489835.89, 3858876.54	6.06E-02	1.91E-05	2.53E-06	3.28E-02	1.03E-05	1.37E-06	5.04E-03	1.59E-06	2.10E-07	5.02E-03	1.58E-06	2.09E-07	2.53E-06	1.36E-06
1206	489885.89, 3858876.54	5.89E-02	1.86E-05	2.46E-06	3.18E-02	1.00E-05	1.33E-06	4.85E-03	1.53E-06	2.02E-07	4.82E-03	1.52E-06	2.01E-07	2.45E-06	1.32E-06
1207	489935.89, 3858876.54	5.74E-02	1.81E-05	2.39E-06	3.09E-02	9.77E-06	1.29E-06	4.66E-03	1.47E-06	1.94E-07	4.62E-03	1.46E-06	1.92E-07	2.39E-06	1.29E-06
1208	489985.89, 3858876.54	5.59E-02	1.77E-05	2.33E-06	3.01E-02	9.50E-06	1.25E-06	4.47E-03	1.41E-06	1.86E-07	4.43E-03	1.40E-06	1.85E-07	2.33E-06	1.25E-06
1209	490035.89, 3858876.54	5.46E-02	1.72E-05	2.27E-06	2.93E-02	9.26E-06	1.22E-06	4.30E-03	1.36E-06	1.79E-07	4.26E-03	1.34E-06	1.77E-07	2.27E-06	1.22E-06
1210	489285.89, 3858926.54	1.05E-01	3.31E-05	4.36E-06	5.84E-02	1.84E-05	2.43E-06	1.15E-02	3.62E-06	4.78E-07	1.25E-02	3.95E-06	5.22E-07	4.41E-06	2.48E-06
1211	489335.89, 3858926.54	9.66E-02	3.05E-05	4.03E-06	5.37E-02	1.70E-05	2.24E-06	1.04E-02	3.28E-06	4.33E-07	1.11E-02	3.51E-06	4.63E-07	4.06E-06	2.27E-06
1212	489385.89, 3858926.54	9.07E-02	2.86E-05	3.78E-06	5.03E-02	1.59E-05	2.09E-06	9.50E-03	3.00E-06	3.96E-07	1.00E-02	3.16E-06	4.17E-07	3.80E-06	2.12E-06
1213	489435.89, 3858926.54	8.60E-02	2.71E-05	3.58E-06	4.75E-02	1.50E-05	1.98E-06	8.76E-03	2.77E-06	3.65E-07	9.11E-03	2.87E-06	3.79E-07	3.60E-06	1.99E-06
1214	489485.89, 3858926.54	8.18E-02	2.58E-05	3.41E-06	4.50E-02	1.42E-05	1.88E-06	8.13E-03	2.57E-06	3.39E-07	8.37E-03	2.64E-06	3.49E-07	3.42E-06	1.89E-06
1215	489535.89, 3858926.54	7.79E-02	2.46E-05	3.25E-06	4.28E-02	1.35E-05	1.78E-06	7.59E-03	2.39E-06	3.16E-07	7.75E-03	2.44E-06	3.23E-07	3.25E-06	1.79E-06
1216	489585.89, 3858926.54	7.46E-02	2.35E-05	3.11E-06	4.09E-02	1.29E-05	1.70E-06	7.11E-03	2.24E-06	2.96E-07	7.21E-03	2.28E-06	3.01E-07	3.11E-06	1.71E-06
1217	489635.89, 3858926.54	7.16E-02	2.26E-05	2.98E-06	3.92E-02	1.24E-05	1.63E-06	6.70E-03	2.11E-06	2.79E-07	6.76E-03	2.13E-06	2.82E-07	2.99E-06	1.64E-06
1218	489685.89, 3858926.54	6.90E-02	2.18E-05	2.87E-06	3.77E-02	1.19E-05	1.57E-06	6.33E-03	2.00E-06	2.64E-07	6.36E-03	2.01E-06	2.65E-07	2.88E-06	1.57E-06

1219	489735.89, 3858926.54	6.66E-02	2.10E-05	2.77E-06	3.63E-02	1.15E-05	1.51E-06	6.01E-03	1.90E-06	2.50E-07	6.02E-03	1.90E-06	2.51E-07	2.77E-06	1.51E-06
1220	489785.89, 3858926.54	6.44E-02	2.03E-05	2.68E-06	3.50E-02	1.11E-05	1.46E-06	5.72E-03	1.81E-06	2.38E-07	5.72E-03	1.81E-06	2.38E-07	2.68E-06	1.46E-06
1221	489835.89, 3858926.54	6.24E-02	1.97E-05	2.60E-06	3.39E-02	1.07E-05	1.41E-06	5.46E-03	1.72E-06	2.28E-07	5.44E-03	1.72E-06	2.27E-07	2.60E-06	1.41E-06
1222	489885.89, 3858926.54	6.06E-02	1.91E-05	2.52E-06	3.28E-02	1.04E-05	1.37E-06	5.23E-03	1.65E-06	2.18E-07	5.20E-03	1.64E-06	2.17E-07	2.52E-06	1.37E-06
1223	489935.89, 3858926.54	5.88E-02	1.86E-05	2.45E-06	3.19E-02	1.01E-05	1.33E-06	5.01E-03	1.58E-06	2.09E-07	4.98E-03	1.57E-06	2.07E-07	2.45E-06	1.33E-06
1224	489985.89, 3858926.54	5.73E-02	1.81E-05	2.39E-06	3.10E-02	9.78E-06	1.29E-06	4.80E-03	1.52E-06	2.00E-07	4.76E-03	1.50E-06	1.99E-07	2.38E-06	1.29E-06
1225	490035.89, 3858926.54	5.58E-02	1.76E-05	2.32E-06	3.01E-02	9.51E-06	1.25E-06	4.58E-03	1.45E-06	1.91E-07	4.54E-03	1.43E-06	1.89E-07	2.32E-06	1.25E-06
1226	489335.89, 3858976.54	1.16E-01	3.65E-05	4.82E-06	6.45E-02	2.03E-05	2.69E-06	1.26E-02	3.96E-06	5.23E-07	1.35E-02	4.25E-06	5.60E-07	4.86E-06	2.72E-06
1227	489385.89, 3858976.54	1.08E-01	3.39E-05	4.48E-06	5.96E-02	1.88E-05	2.48E-06	1.13E-02	3.55E-06	4.69E-07	1.19E-02	3.75E-06	4.94E-07	4.50E-06	2.51E-06
1228	489435.89, 3858976.54	9.79E-02	3.09E-05	4.08E-06	5.43E-02	1.71E-05	2.26E-06	1.02E-02	3.23E-06	4.27E-07	1.07E-02	3.36E-06	4.44E-07	4.10E-06	2.28E-06
1229	489485.89, 3858976.54	9.03E-02	2.85E-05	3.76E-06	5.00E-02	1.58E-05	2.08E-06	9.37E-03	2.96E-06	3.90E-07	9.66E-03	3.05E-06	4.03E-07	3.77E-06	2.09E-06
1230	489535.89, 3858976.54	8.42E-02	2.66E-05	3.51E-06	4.66E-02	1.47E-05	1.94E-06	8.64E-03	2.73E-06	3.60E-07	8.84E-03	2.79E-06	3.68E-07	3.52E-06	1.95E-06
1231	489585.89, 3858976.54	7.95E-02	2.51E-05	3.31E-06	4.39E-02	1.38E-05	1.83E-06	8.03E-03	2.53E-06	3.35E-07	8.17E-03	2.58E-06	3.40E-07	3.32E-06	1.83E-06
1232	489635.89, 3858976.54	7.57E-02	2.39E-05	3.15E-06	4.17E-02	1.32E-05	1.74E-06	7.50E-03	2.37E-06	3.12E-07	7.59E-03	2.40E-06	3.16E-07	3.16E-06	1.74E-06
1233	489685.89, 3858976.54	7.24E-02	2.29E-05	3.02E-06	3.98E-02	1.26E-05	1.66E-06	7.03E-03	2.22E-06	2.93E-07	7.09E-03	2.24E-06	2.95E-07	3.02E-06	1.66E-06
1234	489735.89, 3858976.54	6.96E-02	2.20E-05	2.90E-06	3.81E-02	1.20E-05	1.59E-06	6.63E-03	2.09E-06	2.76E-07	6.66E-03	2.10E-06	2.78E-07	2.90E-06	1.59E-06
1235	489785.89, 3858976.54	6.70E-02	2.11E-05	2.79E-06	3.67E-02	1.16E-05	1.53E-06	6.28E-03	1.98E-06	2.62E-07	6.30E-03	1.99E-06	2.62E-07	2.79E-06	1.53E-06
1236	489835.89, 3858976.54	6.47E-02	2.04E-05	2.69E-06	3.53E-02	1.12E-05	1.47E-06	5.97E-03	1.88E-06	2.49E-07	5.97E-03	1.88E-06	2.49E-07	2.69E-06	1.47E-06
1237	489885.89, 3858976.54	6.26E-02	1.98E-05	2.61E-06	3.41E-02	1.08E-05	1.42E-06	5.68E-03	1.79E-06	2.36E-07	5.66E-03	1.79E-06	2.36E-07	2.61E-06	1.42E-06
1238	489935.89, 3858976.54	6.07E-02	1.91E-05	2.53E-06	3.30E-02	1.04E-05	1.38E-06	5.41E-03	1.71E-06	2.26E-07	5.39E-03	1.70E-06	2.25E-07	2.53E-06	1.38E-06
1239	489985.89, 3858976.54	5.89E-02	1.86E-05	2.45E-06	3.20E-02	1.01E-05	1.33E-06	5.18E-03	1.63E-06	2.16E-07	5.15E-03	1.63E-06	2.15E-07	2.45E-06	1.33E-06
1240	490035.89, 3858976.54	5.73E-02	1.81E-05	2.39E-06	3.11E-02	9.80E-06	1.29E-06	4.88E-03	1.54E-06	2.03E-07	4.85E-03	1.53E-06	2.02E-07	2.39E-06	1.29E-06
1241	489385.89, 3859026.54	1.28E-01	4.05E-05	5.35E-06	7.15E-02	2.26E-05	2.98E-06	1.38E-02	4.37E-06	5.77E-07	1.47E-02	4.63E-06	6.11E-07	5.39E-06	3.01E-06
1242	489435.89, 3859026.54	1.18E-01	3.74E-05	4.93E-06	6.56E-02	2.07E-05	2.73E-06	1.23E-02	3.88E-06	5.12E-07	1.29E-02	4.06E-06	5.36E-07	4.96E-06	2.76E-06
1243	489485.89, 3859026.54	1.02E-01	3.23E-05	4.26E-06	5.69E-02	1.80E-05	2.37E-06	1.11E-02	3.49E-06	4.61E-07	1.15E-02	3.62E-06	4.78E-07	4.28E-06	2.39E-06
1244	489535.89, 3859026.54	9.27E-02	2.93E-05	3.86E-06	5.16E-02	1.63E-05	2.15E-06	1.01E-02	3.18E-06	4.19E-07	1.04E-02	3.27E-06	4.31E-07	3.87E-06	2.16E-06
1245	489585.89, 3859026.54	8.63E-02	2.73E-05	3.60E-06	4.80E-02	1.51E-05	2.00E-06	9.22E-03	2.91E-06	3.84E-07	9.43E-03	2.98E-06	3.93E-07	3.61E-06	2.01E-06
1246	489635.89, 3859026.54	8.15E-02	2.57E-05	3.39E-06	4.51E-02	1.42E-05	1.88E-06	8.52E-03	2.69E-06	3.55E-07	8.67E-03	2.74E-06	3.61E-07	3.40E-06	1.89E-06
1247	489685.89, 3859026.54	7.73E-02	2.44E-05	3.22E-06	4.28E-02	1.35E-05	1.78E-06	7.93E-03	2.50E-06	3.30E-07	8.03E-03	2.53E-06	3.35E-07	3.23E-06	1.79E-06
1248	489735.89, 3859026.54	7.37E-02	2.33E-05	3.07E-06	4.06E-02	1.28E-05	1.69E-06	7.42E-03	2.34E-06	3.09E-07	7.49E-03	2.36E-06	3.12E-07	3.07E-06	1.70E-06
1249	489785.89, 3859026.54	7.05E-02	2.22E-05	2.94E-06	3.88E-02	1.22E-05	1.62E-06	6.98E-03	2.20E-06	2.91E-07	7.02E-03	2.22E-06	2.93E-07	2.94E-06	1.62E-06
1250	489835.89, 3859026.54	6.77E-02	2.14E-05	2.82E-06	3.72E-02	1.17E-05	1.55E-06	6.57E-03	2.07E-06	2.74E-07	6.60E-03	2.08E-06	2.75E-07	2.82E-06	1.55E-06
1251	489885.89, 3859026.54	6.52E-02	2.06E-05	2.72E-06	3.57E-02	1.13E-05	1.49E-06	6.22E-03	1.96E-06	2.59E-07	6.23E-03	1.97E-06	2.60E-07	2.72E-06	1.49E-06
1252	489935.89, 3859026.54	6.29E-02	1.99E-05	2.62E-06	3.44E-02	1.09E-05	1.43E-06	5.90E-03	1.86E-06	2.46E-07	5.90E-03	1.86E-06	2.46E-07	2.62E-06	1.44E-06
1253	489985.89, 3859026.54	6.09E-02	1.92E-05	2.54E-06	3.33E-02	1.05E-05	1.39E-06	5.61E-03	1.77E-06	2.34E-07	5.61E-03	1.77E-06	2.34E-07	2.54E-06	1.39E-06
1254	490035.89, 3859026.54	5.91E-02	1.87E-05	2.46E-06	3.22E-02	1.01E-05	1.34E-06	5.25E-03	1.66E-06	2.19E-07	5.23E-03	1.65E-06	2.18E-07	2.46E-06	1.34E-06
1255	489485.89, 3859076.54	1.19E-01	3.76E-05	4.96E-06	6.67E-02	2.11E-05	2.78E-06	1.35E-02	4.27E-06	5.64E-07	1.42E-02	4.47E-06	5.90E-07	4.99E-06	2.81E-06
1256	489535.89, 3859076.54	1.09E-01	3.45E-05	4.55E-06	6.10E-02	1.92E-05	2.54E-06	1.20E-02	3.80E-06	5.02E-07	1.25E-02	3.94E-06	5.21E-07	4.57E-06	2.56E-06
1257	489585.89, 3859076.54	9.92E-02	3.13E-05	4.13E-06	5.53E-02	1.75E-05	2.30E-06	1.08E-02	3.42E-06	4.52E-07	1.12E-02	3.53E-06	4.66E-07	4.15E-06	2.32E-06
1258	489635.89, 3859076.54	9.14E-02	2.88E-05	3.81E-06	5.09E-02	1.61E-05	2.12E-06	9.90E-03	3.12E-06	4.12E-07	1.01E-02	3.20E-06	4.23E-07	3.82E-06	2.13E-06
1259	489685.89, 3859076.54	8.49E-02	2.68E-05	3.54E-06	4.72E-02	1.49E-05	1.97E-06	9.10E-03	2.87E-06	3.79E-07	9.28E-03	2.93E-06	3.87E-07	3.55E-06	1.97E-06
1260	489735.89, 3859076.54	7.96E-02	2.51E-05	3.32E-06	4.42E-02	1.39E-05	1.84E-06	8.43E-03	2.66E-06	3.51E-07	8.56E-03	2.70E-06	3.57E-07	3.32E-06	1.85E-06
1261	489785.89, 3859076.54	7.52E-02	2.37E-05	3.13E-06	4.17E-02	1.32E-05	1.74E-06	7.85E-03	2.48E-06	3.27E-07	7.95E-03	2.51E-06	3.31E-07	3.14E-06	1.74E-06
1262	489835.89, 3859076.54	7.16E-02	2.26E-05	2.98E-06	3.96E-02	1.25E-05	1.65E-06	7.34E-03	2.32E-06	3.06E-07	7.41E-03	2.34E-06	3.09E-07	2.99E-06	1.65E-06
1263	489885.89, 3859076.54	6.85E-02	2.16E-05	2.85E-06	3.78E-02	1.19E-05	1.57E-06	6.89E-03	2.17E-06	2.87E-07	6.94E-03	2.19E-06	2.89E-07	2.85E-06	1.58E-06
1264	489935.89, 3859076.54	6.57E-02	2.07E-05	2.74E-06	3.62E-02	1.14E-05	1.51E-06	6.50E-03	2.05E-06	2.71E-07	6.54E-03	2.06E-06	2.72E-07	2.74E-06	1.51E-06
1265	489985.89, 3859076.54	6.33E-02	2.00E-05	2.64E-06	3.48E-02	1.10E-05	1.45E-06	6.15E-03	1.94E-06	2.56E-07	6.17E-03	1.95E-06	2.57E-07	2.64E-06	1.45E-06
1266	490035.89, 3859076.54	6.12E-02	1.93E-05	2.55E-06	3.35E-02	1.06E-05	1.40E-06	5.73E-03	1.81E-06	2.39E-07	5.75E-03	1.81E-06	2.39E-07	2.55E-06	1.40E-06
1267	489585.89, 3859126.54	1.27E-01	4.00E-05	5.28E-06	7.02E-02	2.22E-05	2.92E-06	1.32E-02	4.17E-06	5.51E-07	1.38E-02	4.34E-06	5.73E-07	5.30E-06	2.95E-06
1268	489635.89, 3859126.54	1.09E-01	3.44E-05	4.54E-06	6.06E-02	1.91E-05	2.53E-06	1.18E-02	3.73E-06	4.93E-07	1.22E-02	3.86E-06	5.09E-07	4.55E-06	2.54E-06
1269	489685.89, 3859126.54	9.63E-02	3.04E-05	4.01E-06	5.38E-02	1.70E-05	2.24E-06	1.07E-02	3.37E-06	4.45E-07	1.10E-02	3.47E-06	4.58E-07	4.02E-06	2.25E-06
1270	489735.89, 3859126.54	8.76E-02	2.76E-05	3.65E-06	4.89E-02	1.54E-05	2.04E-06	9.76E-03	3.08E-06	4.07E-07	9.98E-03	3.15E-06	4.16E-07	3.66E-06	2.05E-06
1271	489785.89, 3859126.54	8.13E-02	2.57E-05	3.39E-06	4.54E-02	1.43E-05	1.89E-06	8.98E-03	2.84E-06	3.74E-07	9.16E-03	2.89E-06	3.81E-07	3.40E-06	1.90E-06
1272	489835.89, 3859126.54	7.66E-02	2.42E-05	3.19E-06	4.26E-02	1.35E-05	1.78E-06	8.32E-03	2.62E-06	3.46E-07	8.45E-03	2.67E-06	3.52E-07	3.20E-06	1.78E-06
1273	489885.89, 3859126.54	7.26E-02	2.29E-05	3.03E-06	4.03E-02	1.27E-05	1.68E-06	7.73E-03	2.44E-06	3.22E-07	7.83E-03	2.47E-06	3.26E-07	3.03E-06	1.68E-06
1274	489935.89, 3859126.54	6.92E-02	2.19E-05	2.88E-06	3.84E-02	1.21E-05	1.60E-06	7.24E-03	2.29E-06	3.02E-07	7.32E-03	2.31E-06	3.05E-07	2.89E-06	1.60E-06
1275	489985.89, 3859126.54	6.63E-02	2.09E-05	2.76E-06	3.67E-02	1.16E-05	1.53E-06	6.78E-03	2.14E-06	2.82E-07	6.84E-03	2.16E-06	2.85E-07	2.77E-06	1.53E-06
1276	490035.89, 3859126.54	6.38E-02	2.01E-05	2.66E-06	3.51E-02	1.11E-05	1.46E-06	6.33E-03	2.00E-06	2.64E-07	6.38E-03	2.01E-06	2.66E-07	2.66E-06	1.47E-06
1277	489585.89, 3859176.54	1.43E-01	4.51E-05	5.96E-06	8.05E-02	2.54E-05	3.36E-06	1.69E-02	5.34E-06	7.05E-07	1.78E-02	5.61E-06	7.40E-07	5.99E-06	3.39E-06
1278	489635.89, 3859176.54	1.29E-01	4.07E-05	5.37E-06	7.22E-02	2.28E-05	3.01E-06	1.47E-02	4.63E-06	6.11E-07	1.53E-02	4.82E-06	6.37E-07	5.40E-06	3.03E-06
1279	489685.89, 3859176.54	1.10E-01	3.46E-05	4.56E-06	6.17E-02	1.95E-05	2.57E-06	1.30E-02	4.09E-06	5.40E-07	1.34E-02	4.24E-06	5.59E-07	4.58E-06	2.59E-06
1280	489735.89, 3859176.54	9.79E-02	3.09E-05	4.08E-06	5.52E-02	1.74E-05	2.30E-06	1.16E-02	3.67E-06	4.84E-07	1.20E-02	3.78E-06	4.99E-07	4.09E-06	2.31E-06
1281	489785.89, 3859176.54	8.99E-02	2.84E-05	3.74E-06	5.05E-02	1.59E-05	2.10E-06	1.05E-02	3.32E-06	4.38E-07	1.08E-02	3.41E-06	4.50E-07	3.75E-06	2.12E-06
1282	489835.89, 3859176.54	8.36E-02	2.64E-05	3.48E-06	4.69E-02	1.48E-05	1.95E-06	9.61E-03	3.03E-06	4.00E-07	9.83E-03	3.10E-06	4.10E-07	3.49E-06	1.96E-06
1283	489885.89, 3859176.54	7.83E-02	2.47E-05	3.26E-06	4.38E-02	1.38E-05	1.83E-06	8.84E-03	2.79E-06	3.68E-07	9.02E-03	2.85E-06	3.76E-07	3.27E-06	1.83E-06
1284	489935.89, 3859176.54	7.39E-02	2.33E-05	3.08E-06	4.13E-02	1.30E-05	1.72E-06	8.20E-03	2.59E-06	3.41E-07	8.34E-03	2.63E-06	3.47E-07	3.09E-06	1.73E-06
1285	489985.89, 3859176.54	7.02E-02	2.22E-05	2.92E-06	3.91E-02	1.23E-05	1.63E-06	7.60E-03	2.40E-06	3.16E-07	7.71E-03	2.43E-06	3.21E-07	2.93E-06	1.63E-06
1286	490035.89, 3859176.54	6.70E-02	2.11E-05	2.79E-06	3.72E-02	1.17E-05	1.55E-06	7.12E-03	2.25E-06	2.97E-07	7.22E-03	2.28E-06	3.01E-07	2.80E-06	1.55E-06
1287	489685.89, 3859226.54	1.32E-01	4.16E-05	5.50E-06	7.49E-02	2.36E-05	3.12E-06	1.65E-02	5.20E-06	6.87E-07	1.72E-02	5.43E-06	7.17E-07	5.53E-06	3.15E-06
1288	489735.89, 3859226.54	1.23E-01	3.89E-05	5.14E-06	6.93E-02	2.19E-05	2.89E-06	1.44E-02	4.54E-06	5.99E-07	1.49E-02	4.71E-06	6.22E-07	5.16E-06	2.91E-06
1289	489785.89, 3859226.54	1.07E-01	3.39E-05	4.47E-06	6.04E-02	1.91E-05	2.52E-06	1.27E-02	4.01E-06	5.30E-07	1.32E-02	4.15E-06	5.48E-07	4.49E-06	2.54E-06
1290	489835.89, 3859226.54	9.57E-02	3.02E-05	3.99E-06	5.39E-02	1.70E-05	2.25E-06	1.14E-02	3.59E-06	4.74E-07	1.17E-02	3.71E-06	4.89E-07	4.00E-06	2.26E-06
1291	489885.89, 3859226.54	8.69E-02	2.74E-05	3.62E-06	4.90E-02	1.55E-05	2.04E-06	1.03E-02	3.26E-06	4.30E-07	1.06E-02	3.35E-06	4.42E-07	3.63E-06	2.05E-06
1292	489935.89, 3859226.54	8.03E-02	2.54E-05	3.35E-06	4.52E-02	1.43E-05	1.88E-06	9.43E-03	2.98E-06	3.93E-07	9.67E-03	3.05E-06	4.03E-07	3.36E-06	1.89E-06
1293	489985.89, 3859226.54	7.52E-02	2.37E-05	3.13E-06	4.22E-02	1.33E-05	1.76E-06	8.62E-03	2.72E-06	3.59E-07	8.81E-03	2.78E-06	3.67E-07	3.14E-06	1.77E-06
1294	490035.89, 3859226.54	7.11E-02	2.24E-05	2.96E-06	3.98E-02	1.26E-05	1.66E-06	8.02E-03	2.53E-06	3.34E-07	8.19E-03	2.58E-06	3.41E-07	2.97E-06	1.67E-06
1295	489735.89, 3859276.54	1.46E-01	4.62E-05	6.10E-06	8.34E-02	2.63E-05	3.47E-06	1.88E-02	5.94E-06	7.84E-07	1.98E-02	6.24E-06	8.23E-07	6.14E-06	3.51E-06
1296	489785.89, 3859276.54	1.36E-01	4.29E-05	5.67E-06	7.66E-02	2.42E-05	3.19E-06	1.61E-02	5.08E-06	6.70E-07	1.68E-02	5.31E-06	7.00E-07	5.70E-06	3.22E-06
1297	489835.89, 3859276.54	1.14E-01	3.59E-05	4.74E-06	6.44E-02	2.03E-05	2.68E-06	1.40E-02	4.42E-06	5.83E-07	1.46E-02	4.60E-06	6.07E-07	4.76E-06	2.71E-06
1298	489885.89, 3859276.54	9.82E-02	3.10E-05	4.09E-06	5.58E-02	1.76E-05	2.32E-06	1.24E-02	3.92E-06	5.18E-07	1.29E-02	4.07E-06	5.37E-07	4.11E-06	2.34E-06
1299	489935.89, 3859276.54	8.86E-02	2.80E-05	3.69E-06	5.03E-02	1.59E-05	2.10E-06	1.11E-02	3.52E-06	4.64E-07	1.15E-02	3.64E-06	4.80E-07	3.71E-06	2.11E-06
1300	489985.89, 3859276.54	8.18E-02	2.58E-05	3.41E-06	4.63E-02	1.46E-05	1.93E-06	1.00E-02	3.15E-06	4.16E-07	1.03E-02	3.25E-06	4.29E-07	3.42E-06	1.94E-06
1301	490035.89, 3859276.54	7.67E-02	2.42E-05	3.19E-06	4.33E-02	1.37E-05	1.80E-06	9.25E-03	2.92E-06	3.85E-07	9.51E-03	3.00E-06	3.96E-07	3.20E-06	1.81E-06
1302	490458.06, 3859590.74	1.04E-01	3.27E-05	4.32E-06	6.05E-02	1.91E-05	2.52E-06	1.56E-02	4.92E-06	6.50E-07	1.64E-02	5.17E-06	6.82E-07	4.35E-06	2.55E-06
1303	490508.06, 3859590.74	9.07E-02	2.86E-05	3.78E-06	5.30E-02	1.67E-05	2.21E-06	1.38E-02	4.35E-06	5.75E-07	1.45E-02	4.57E-06	6.03E-07	3.81E-06	2.24E-06
1304	490558.06, 3859590.74	8.14E-02	2.57E-05	3.39E-06	4.75E-02	1.50E-05	1.98E-06	1.23E-02	3.88E-06	5.12E-07	1.29E-02	4.07E-06	5.37E-07	3.41E-06	2.01E-06
1305	490608.06, 3859590.74	7.44E-02	2.35E-05	3.10E-06	4.34E-02	1.37E-05	1.81E-06	1.11E-02	3.49E-06	4.61E-07	1.16E-02	3.65E-06	4.82E-07	3.12E-06	1.83E-06
1306	490658.06, 3859590.74	6.90E-02	2.18E-05	2.88E-06	4.01E-02	1.26E-05	1.67E-06	1.00E-02	3.16E-06	4.17E-07	1.05E-02	3.31E-06	4.37E-07	2.90E-06	1.69E-06
1307	490708.06, 3859590.74	6.47E-02	2.04E-05	2.70E-06	3.74E-02	1.18E-05	1.56E-06	9.13E-03	2.88E-06	3.80E-07	9.54E-03	3.01E-06	3.97E-07	2.71E-06	1.57E-06
1308	490758.06, 3859590.74	6.11E-02	1.93E-05	2.55E-06	3.51E-02	1.11E-05	1.46E-06	8.34E-03	2.63E-06	3.47E-07	8.70E-03	2.75E-06	3.63E-07	2.56E-06	1.48E-06
1309	490808.06, 3859590.74	5.81E-02	1.84E-05	2.42E-06	3.33E-02	1.05E-05	1.39E-06	7.71E-03	2.43E-06	3.21E-07	8.04E-03	2.54E-06	3.35E-07	2.44E-06	1.40E-06
1310	490858.06, 3859590.74	5.56E-02	1.75E-05	2.32E-06	3.17E-02	9.99E-06	1.32E-06	7.14E-03	2.25E-06	2.97E-07	7.44E-03	2.35E-06	3.10E-07	2.33E-06	1.33E-06
1311	490458.06, 3859640.74	1.40E-01	4.43E-05	5.85E-06	8.28E-02	2.61E-05	3.45E-06	2.25E-02	7.10E-06	9.37E-07	2.38E-02	7.52E-06	9.92E-07	5.90E-06	3.51E-06
1312	490508.06, 3859640.74	1.23E-01	3.89E-05	5.14E-06	7.24E-02	2.28E-05	3.02E-06	1.91E-02	6.04E-06	7.98E-07	2.02E-02	6.39E-06	8.44E-07	5.18E-06	3.06E-06

1313 490558.06, 3859640.74	1.04E-01	3.30E-05	4.35E-06	6.15E-02	1.94E-05	2.56E-06	1.66E-02	5.24E-06	6.92E-07	1.75E-02	5.54E-06	7.31E-07	4.39E-06	2.60E-06
1314 490608.06, 3859640.74	9.05E-02	2.86E-05	3.77E-06	5.34E-02	1.68E-05	2.22E-06	1.44E-02	4.55E-06	6.01E-07	1.52E-02	4.81E-06	6.35E-07	3.81E-06	2.26E-06
1315 490658.06, 3859640.74	8.07E-02	2.55E-05	3.36E-06	4.75E-02	1.50E-05	1.98E-06	1.27E-02	4.00E-06	5.27E-07	1.33E-02	4.21E-06	5.56E-07	3.39E-06	2.01E-06
1316 490708.06, 3859640.74	7.36E-02	2.32E-05	3.07E-06	4.31E-02	1.36E-05	1.80E-06	1.13E-02	3.57E-06	4.72E-07	1.19E-02	3.76E-06	4.96E-07	3.09E-06	1.82E-06
1317 490758.06, 3859640.74	6.81E-02	2.15E-05	2.84E-06	3.97E-02	1.25E-05	1.65E-06	1.02E-02	3.21E-06	4.24E-07	1.07E-02	3.37E-06	4.45E-07	2.86E-06	1.68E-06
1318 490808.06, 3859640.74	6.38E-02	2.01E-05	2.66E-06	3.71E-02	1.17E-05	1.54E-06	9.30E-03	2.93E-06	3.87E-07	9.76E-03	3.08E-06	4.07E-07	2.68E-06	1.56E-06
1319 490858.06, 3859640.74	6.03E-02	1.90E-05	2.51E-06	3.49E-02	1.10E-05	1.45E-06	8.56E-03	2.70E-06	3.57E-07	8.97E-03	2.83E-06	3.74E-07	2.53E-06	1.47E-06
1320 490608.06, 3859690.74	1.24E-01	3.90E-05	5.15E-06	7.33E-02	2.31E-05	3.06E-06	2.04E-02	6.45E-06	8.51E-07	2.18E-02	6.87E-06	9.07E-07	5.20E-06	3.11E-06
1321 490658.06, 3859690.74	1.04E-01	3.28E-05	4.32E-06	6.16E-02	1.94E-05	2.57E-06	1.71E-02	5.41E-06	7.14E-07	1.82E-02	5.76E-06	7.60E-07	4.37E-06	2.61E-06
1322 490708.06, 3859690.74	8.97E-02	2.83E-05	3.74E-06	5.32E-02	1.68E-05	2.22E-06	1.48E-02	4.68E-06	6.17E-07	1.57E-02	4.97E-06	6.55E-07	3.78E-06	2.26E-06
1323 490758.06, 3859690.74	7.99E-02	2.52E-05	3.33E-06	4.72E-02	1.49E-05	1.97E-06	1.30E-02	4.09E-06	5.40E-07	1.37E-02	4.34E-06	5.72E-07	3.36E-06	2.00E-06
1324 490808.06, 3859690.74	7.28E-02	2.30E-05	3.03E-06	4.29E-02	1.35E-05	1.79E-06	1.16E-02	3.65E-06	4.82E-07	1.22E-02	3.86E-06	5.10E-07	3.06E-06	1.81E-06
1325 490858.06, 3859690.74	6.74E-02	2.13E-05	2.81E-06	3.97E-02	1.25E-05	1.65E-06	1.06E-02	3.34E-06	4.41E-07	1.12E-02	3.53E-06	4.66E-07	2.83E-06	1.68E-06
1326 490708.06, 3859740.74	1.23E-01	3.89E-05	5.13E-06	7.38E-02	2.33E-05	3.07E-06	2.14E-02	6.75E-06	8.91E-07	2.30E-02	7.27E-06	9.59E-07	5.20E-06	3.14E-06
1327 490758.06, 3859740.74	1.04E-01	3.28E-05	4.33E-06	6.23E-02	1.97E-05	2.59E-06	1.82E-02	5.74E-06	7.58E-07	1.95E-02	6.15E-06	8.12E-07	4.38E-06	2.65E-06
1328 490808.06, 3859740.74	8.97E-02	2.83E-05	3.74E-06	5.38E-02	1.70E-05	2.24E-06	1.57E-02	4.96E-06	6.54E-07	1.68E-02	5.30E-06	6.99E-07	3.78E-06	2.29E-06
1329 490858.06, 3859740.74	7.99E-02	2.52E-05	3.33E-06	4.79E-02	1.51E-05	1.99E-06	1.39E-02	4.37E-06	5.77E-07	1.48E-02	4.66E-06	6.15E-07	3.37E-06	2.03E-06
1330 490786.56, 3859749.39	1.00E-01	3.17E-05	4.18E-06	6.03E-02	1.90E-05	2.51E-06	1.78E-02	5.62E-06	7.42E-07	1.91E-02	6.03E-06	7.96E-07	4.23E-06	2.57E-06
1331 490836.56, 3859749.39	8.73E-02	2.76E-05	3.64E-06	5.25E-02	1.66E-05	2.19E-06	1.54E-02	4.87E-06	6.43E-07	1.65E-02	5.21E-06	6.87E-07	3.68E-06	2.23E-06
1332 490786.56, 3859799.39	1.37E-01	4.33E-05	5.72E-06	8.50E-02	2.68E-05	3.54E-06	2.83E-02	8.93E-06	1.18E-06	3.09E-02	9.75E-06	1.29E-06	5.82E-06	3.65E-06
1333 490836.56, 3859799.39	1.21E-01	3.82E-05	5.04E-06	7.36E-02	2.32E-05	3.07E-06	2.29E-02	7.21E-06	9.52E-07	2.49E-02	7.86E-06	1.04E-06	5.13E-06	3.15E-06
1334 492307.84, 3854508.36	1.65E-02	5.19E-06	6.86E-07	8.45E-03	2.67E-06	3.52E-07	6.89E-04	2.18E-07	2.87E-08	8.46E-04	2.67E-07	3.52E-08	6.92E-07	3.59E-07
1335 486445.7, 3854753.6	3.63E-02	1.15E-05	1.51E-06	1.83E-02	5.79E-06	7.64E-07	1.04E-03	3.28E-07	4.33E-08	2.04E-03	6.44E-07	8.51E-08	1.55E-06	8.06E-07
1336 472599.75, 3877830.11	4.01E-04	1.27E-07	1.67E-08	2.36E-04	7.44E-08	9.82E-09	6.27E-05	1.98E-08	2.61E-09	6.53E-05	2.06E-08	2.72E-09	1.68E-08	9.93E-09
1337 493107.48, 3866840.19	1.68E-03	5.30E-07	6.99E-08	9.05E-04	2.86E-07	3.77E-08	1.36E-04	4.30E-08	5.68E-09	1.45E-04	4.59E-08	6.05E-09	7.03E-08	3.81E-08
1338 495815.79, 3861662.87	1.24E-02	3.90E-06	5.15E-07	9.91E-03	3.13E-06	4.13E-07	6.03E-03	1.90E-06	2.51E-07	6.29E-03	1.99E-06	2.62E-07	5.26E-07	4.24E-07
1339 480272.33, 3841389.2	9.06E-04	2.86E-07	3.77E-08	5.14E-04	1.62E-07	2.14E-08	1.13E-04	3.56E-08	4.70E-09	1.19E-04	3.76E-08	4.96E-09	3.80E-08	2.17E-08
1340 497005.18, 3862813.64	5.44E-03	1.72E-06	2.27E-07	4.00E-03	1.26E-06	1.67E-07	2.10E-03	6.62E-07	8.73E-08	2.20E-03	6.93E-07	9.15E-08	2.31E-07	1.71E-07
1341 493677.33, 3860302.55	1.75E-02	5.51E-06	7.27E-07	9.99E-03	3.15E-06	4.16E-07	2.31E-03	7.30E-07	9.64E-08	2.39E-03	7.55E-07	9.96E-08	7.30E-07	4.19E-07
1342 493727.33, 3860302.55	1.73E-02	5.45E-06	7.19E-07	9.87E-03	3.11E-06	4.11E-07	2.27E-03	7.18E-07	9.48E-08	2.35E-03	7.41E-07	9.79E-08	7.22E-07	4.14E-07
1343 493777.33, 3860302.55	1.71E-02	5.39E-06	7.11E-07	9.75E-03	3.08E-06	4.06E-07	2.23E-03	7.05E-07	9.30E-08	2.30E-03	7.27E-07	9.60E-08	7.14E-07	4.09E-07
1344 493827.33, 3860302.55	1.69E-02	5.33E-06	7.04E-07	9.64E-03	3.04E-06	4.02E-07	2.19E-03	6.92E-07	9.13E-08	2.26E-03	7.14E-07	9.43E-08	7.07E-07	4.05E-07
1345 493877.33, 3860302.55	1.67E-02	5.28E-06	6.97E-07	9.53E-03	3.01E-06	3.97E-07	2.16E-03	6.82E-07	9.00E-08	2.23E-03	7.03E-07	9.28E-08	7.00E-07	4.00E-07
1346 493927.33, 3860302.55	1.65E-02	5.21E-06	6.88E-07	9.42E-03	2.97E-06	3.92E-07	2.13E-03	6.73E-07	8.89E-08	2.20E-03	6.94E-07	9.17E-08	6.91E-07	3.95E-07
1347 493977.33, 3860302.55	1.64E-02	5.18E-06	6.83E-07	9.33E-03	2.94E-06	3.89E-07	2.08E-03	6.56E-07	8.65E-08	2.14E-03	6.76E-07	8.92E-08	6.86E-07	3.91E-07
1348 494027.33, 3860302.55	1.63E-02	5.13E-06	6.77E-07	9.23E-03	2.91E-06	3.84E-07	2.04E-03	6.43E-07	8.49E-08	2.10E-03	6.63E-07	8.75E-08	6.80E-07	3.87E-07
1349 493677.33, 3860352.55	1.64E-02	5.17E-06	6.83E-07	9.52E-03	3.00E-06	3.97E-07	2.39E-03	7.53E-07	9.94E-08	2.47E-03	7.79E-07	1.03E-07	6.86E-07	4.00E-07
1350 493727.33, 3860352.55	1.62E-02	5.12E-06	6.75E-07	9.41E-03	2.97E-06	3.92E-07	2.35E-03	7.42E-07	9.79E-08	2.43E-03	7.67E-07	1.01E-07	6.79E-07	3.95E-07
1351 493777.33, 3860352.55	1.60E-02	5.06E-06	6.68E-07	9.30E-03	2.93E-06	3.87E-07	2.31E-03	7.30E-07	9.64E-08	2.39E-03	7.55E-07	9.96E-08	6.71E-07	3.91E-07
1352 493827.33, 3860352.55	1.59E-02	5.01E-06	6.61E-07	9.19E-03	2.90E-06	3.83E-07	2.28E-03	7.18E-07	9.48E-08	2.35E-03	7.42E-07	9.79E-08	6.64E-07	3.86E-07
1353 493877.33, 3860352.55	1.57E-02	4.96E-06	6.55E-07	9.09E-03	2.87E-06	3.79E-07	2.23E-03	7.05E-07	9.31E-08	2.31E-03	7.28E-07	9.61E-08	6.58E-07	3.82E-07
1354 493927.33, 3860352.55	1.56E-02	4.92E-06	6.49E-07	9.00E-03	2.84E-06	3.75E-07	2.19E-03	6.90E-07	9.10E-08	2.26E-03	7.12E-07	9.40E-08	6.52E-07	3.78E-07
1355 493977.33, 3860352.55	1.54E-02	4.88E-06	6.44E-07	8.90E-03	2.81E-06	3.71E-07	2.13E-03	6.73E-07	8.89E-08	2.20E-03	6.95E-07	9.17E-08	6.46E-07	3.74E-07
1356 494027.33, 3860352.55	1.53E-02	4.83E-06	6.38E-07	8.81E-03	2.78E-06	3.67E-07	2.10E-03	6.64E-07	8.76E-08	2.17E-03	6.85E-07	9.04E-08	6.40E-07	3.70E-07
1357 493677.33, 3860402.55	1.59E-02	5.00E-06	6.60E-07	9.31E-03	2.94E-06	3.88E-07	2.48E-03	7.82E-07	1.03E-07	2.56E-03	8.09E-07	1.07E-07	6.64E-07	3.92E-07
1358 493727.33, 3860402.55	1.57E-02	4.95E-06	6.53E-07	9.20E-03	2.90E-06	3.83E-07	2.44E-03	7.69E-07	1.02E-07	2.52E-03	7.96E-07	1.05E-07	6.57E-07	3.87E-07
1359 493777.33, 3860402.55	1.55E-02	4.90E-06	6.47E-07	9.09E-03	2.87E-06	3.79E-07	2.37E-03	7.50E-07	9.89E-08	2.46E-03	7.76E-07	1.02E-07	6.50E-07	3.82E-07
1360 493827.33, 3860402.55	1.54E-02	4.85E-06	6.40E-07	8.99E-03	2.84E-06	3.75E-07	2.35E-03	7.41E-07	9.78E-08	2.43E-03	7.66E-07	1.01E-07	6.43E-07	3.78E-07
1361 493877.33, 3860402.55	1.52E-02	4.80E-06	6.33E-07	8.89E-03	2.81E-06	3.70E-07	2.31E-03	7.30E-07	9.63E-08	2.39E-03	7.54E-07	9.96E-08	6.36E-07	3.74E-07
1362 493927.33, 3860402.55	1.51E-02	4.76E-06	6.28E-07	8.79E-03	2.77E-06	3.66E-07	2.25E-03	7.11E-07	9.39E-08	2.33E-03	7.35E-07	9.70E-08	6.31E-07	3.69E-07
1363 493977.33, 3860402.55	1.49E-02	4.72E-06	6.23E-07	8.69E-03	2.74E-06	3.62E-07	2.20E-03	6.94E-07	9.16E-08	2.27E-03	7.16E-07	9.45E-08	6.26E-07	3.65E-07
1364 494027.33, 3860402.55	1.48E-02	4.67E-06	6.17E-07	8.61E-03	2.72E-06	3.59E-07	2.17E-03	6.85E-07	9.04E-08	2.24E-03	7.07E-07	9.34E-08	6.20E-07	3.62E-07
1365 493677.33, 3860452.55	1.54E-02	4.88E-06	6.44E-07	9.17E-03	2.89E-06	3.82E-07	2.56E-03	8.07E-07	1.07E-07	2.65E-03	8.36E-07	1.10E-07	6.47E-07	3.86E-07
1366 493727.33, 3860452.55	1.53E-02	4.82E-06	6.36E-07	9.07E-03	2.86E-06	3.78E-07	2.53E-03	7.99E-07	1.05E-07	2.62E-03	8.28E-07	1.09E-07	6.40E-07	3.82E-07
1367 493777.33, 3860452.55	1.51E-02	4.77E-06	6.29E-07	8.96E-03	2.83E-06	3.73E-07	2.49E-03	7.85E-07	1.04E-07	2.58E-03	8.13E-07	1.07E-07	6.33E-07	3.77E-07
1368 493827.33, 3860452.55	1.50E-02	4.72E-06	6.23E-07	8.85E-03	2.79E-06	3.69E-07	2.43E-03	7.68E-07	1.01E-07	2.52E-03	7.94E-07	1.05E-07	6.27E-07	3.72E-07
1369 493877.33, 3860452.55	1.48E-02	4.68E-06	6.17E-07	8.75E-03	2.76E-06	3.65E-07	2.38E-03	7.52E-07	9.93E-08	2.46E-03	7.78E-07	1.03E-07	6.21E-07	3.68E-07
1370 493927.33, 3860452.55	1.47E-02	4.64E-06	6.13E-07	8.65E-03	2.73E-06	3.60E-07	2.32E-03	7.31E-07	9.65E-08	2.40E-03	7.56E-07	9.98E-08	6.16E-07	3.64E-07
1371 493977.33, 3860452.55	1.46E-02	4.60E-06	6.07E-07	8.56E-03	2.70E-06	3.57E-07	2.28E-03	7.20E-07	9.50E-08	2.36E-03	7.44E-07	9.82E-08	6.10E-07	3.60E-07
1372 494027.33, 3860452.55	1.44E-02	4.55E-06	6.01E-07	8.47E-03	2.67E-06	3.53E-07	2.25E-03	7.09E-07	9.36E-08	2.32E-03	7.33E-07	9.67E-08	6.04E-07	3.56E-07
1373 493677.33, 3860502.55	1.51E-02	4.77E-06	6.29E-07	9.06E-03	2.86E-06	3.77E-07	2.65E-03	8.36E-07	1.10E-07	2.75E-03	8.68E-07	1.15E-07	6.33E-07	3.82E-07
1374 493727.33, 3860502.55	1.49E-02	4.71E-06	6.22E-07	8.96E-03	2.83E-06	3.73E-07	2.62E-03	8.26E-07	1.09E-07	2.71E-03	8.56E-07	1.13E-07	6.26E-07	3.77E-07
1375 493777.33, 3860502.55	1.48E-02	4.66E-06	6.15E-07	8.85E-03	2.79E-06	3.69E-07	2.57E-03	8.11E-07	1.07E-07	2.66E-03	8.41E-07	1.11E-07	6.19E-07	3.73E-07
1376 493827.33, 3860502.55	1.46E-02	4.62E-06	6.10E-07	8.75E-03	2.76E-06	3.65E-07	2.53E-03	7.97E-07	1.05E-07	2.61E-03	8.25E-07	1.09E-07	6.13E-07	3.68E-07
1377 493877.33, 3860502.55	1.45E-02	4.57E-06	6.04E-07	8.65E-03	2.73E-06	3.60E-07	2.47E-03	7.79E-07	1.03E-07	2.56E-03	8.07E-07	1.06E-07	6.07E-07	3.64E-07
1378 493927.33, 3860502.55	1.44E-02	4.54E-06	5.99E-07	8.55E-03	2.70E-06	3.56E-07	2.41E-03	7.59E-07	1.00E-07	2.49E-03	7.86E-07	1.04E-07	6.02E-07	3.60E-07
1379 493977.33, 3860502.55	1.42E-02	4.49E-06	5.93E-07	8.46E-03	2.67E-06	3.52E-07	2.37E-03	7.49E-07	9.88E-08	2.45E-03	7.75E-07	1.02E-07	5.96E-07	3.56E-07
1380 494027.33, 3860502.55	1.41E-02	4.45E-06	5.88E-07	8.37E-03	2.64E-06	3.49E-07	2.33E-03	7.36E-07	9.72E-08	2.41E-03	7.61E-07	1.01E-07	5.91E-07	3.52E-07
1381 493627.33, 3860552.55	1.50E-02	4.72E-06	6.23E-07	9.09E-03	2.87E-06	3.79E-07	2.80E-03	8.85E-07	1.17E-07	2.91E-03	9.19E-07	1.21E-07	6.27E-07	3.83E-07
1382 493677.33, 3860552.55	1.48E-02	4.66E-06	6.16E-07	8.98E-03	2.83E-06	3.74E-07	2.76E-03	8.73E-07	1.15E-07	2.87E-03	9.06E-07	1.20E-07	6.20E-07	3.78E-07
1383 493727.33, 3860552.55	1.46E-02	4.62E-06	6.09E-07	8.88E-03	2.80E-06	3.70E-07	2.72E-03	8.59E-07	1.13E-07	2.82E-03	8.91E-07	1.18E-07	6.14E-07	3.74E-07
1384 493777.33, 3860552.55	1.45E-02	4.57E-06	6.03E-07	8.77E-03	2.77E-06	3.65E-07	2.67E-03	8.42E-07	1.11E-07	2.77E-03	8.74E-07	1.15E-07	6.07E-07	3.69E-07
1385 493827.33, 3860552.55	1.43E-02	4.53E-06	5.97E-07	8.66E-03	2.73E-06	3.61E-07	2.61E-03	8.23E-07	1.09E-07	2.70E-03	8.54E-07	1.13E-07	6.01E-07	3.65E-07
1386 493877.33, 3860552.55	1.42E-02	4.48E-06	5.91E-07	8.56E-03	2.70E-06	3.57E-07	2.57E-03	8.10E-07	1.07E-07	2.66E-03	8.40E-07	1.11E-07	5.95E-07	3.61E-07
1387 493927.33, 3860552.55	1.41E-02	4.44E-06	5.86E-07	8.47E-03	2.67E-06	3.53E-07	2.51E-03	7.93E-07	1.05E-07	2.61E-03	8.22E-07	1.09E-07	5.90E-07	3.57E-07
1388 493977.33, 3860552.55	1.39E-02	4.40E-06	5.81E-07	8.38E-03	2.64E-06	3.49E-07	2.46E-03	7.75E-07	1.02E-07	2.54E-03	8.03E-07	1.06E-07	5.85E-07	3.53E-07
1389 494027.33, 3860552.55	1.38E-02	4.36E-06	5.76E-07	8.29E-03	2.62E-06	3.45E-07	2.42E-03	7.64E-07	1.01E-07	2.51E-03	7.91E-07	1.04E-07	5.79E-07	3.49E-07
1390 493627.33, 3860602.55	1.47E-02	4.63E-06	6.11E-07	9.02E-03	2.85E-06	3.76E-07	2.92E-03	9.21E-07	1.22E-07	3.03E-03	9.57E-07	1.26E-07	6.16E-07	3.81E-07
1391 493727.33, 3860602.55	1.43E-02	4.53E-06	5.98E-07	8.82E-03	2.78E-06	3.67E-07	2.84E-03	8.97E-07	1.18E-07	2.95E-03	9.31E-07	1.23E-07	6.02E-07	3.72E-07
1392 493777.33, 3860602.55	1.42E-02	4.48E-06	5.92E-07	8.70E-03	2.75E-06	3.62E-07	2.77E-03	8.75E-07	1.15E-07	2.88E-03	9.08E-07	1.20E-07	5.96E-07	3.67E-07
1393 493827.33, 3860602.55	1.41E-02	4.44E-06	5.86E-07	8.60E-03	2.71E-06	3.58E-07	2.72E-03	8.58E-07	1.13E-07	2.82E-03	8.91E-07	1.18E-07	5.90E-07	3.63E-07
1394 493877.33, 3860602.55	1.39E-02	4.40E-06	5.81E-07	8.50E-03	2.68E-06	3.54E-07	2.66E-03	8.39E-07	1.11E-07	2.76E-03	8.70E-07	1.15E-07	5.85E-07	3.58E-07
1395 493927.33, 3860602.55	1.38E-02	4.36E-06	5.75E-07	8.40E-03	2.65E-06	3.50E-07	2.61E-03	8.22E-07	1.09E-07	2.70E-03	8.53E-07	1.13E-07	5.79E-07	3.54E-07
1396 493977.33, 3860602.55	1.37E-02	4.32E-06	5.70E-07	8.31E-03	2.62E-06	3.46E-07	2.55E-03	8.06E-07	1.06E-07	2.65E-03	8.35E-07	1.10E-07	5.74E-07	3.50E-07
1397 494027.33, 3860602.55	1.36E-02	4.28E-06	5.65E-07	8.23E-03	2.60E-06	3.43E-07	2.52E-03	7.96E-07	1.05E-07	2.61E-03	8.24E-07	1.09E-07	5.69E-07	3.47E-07
1398 493627.33, 3860652.55	1.44E-02	4.55E-06	6.00E-07	8.98E-03	2.83E-06	3.74E-07	3.05E-03	9.62E-07	1.27E-07	3.17E-03	1.00E-06	1.32E-07	6.05E-07	3.79E-07
1399 493727.33, 3860652.55	1.41E-02	4.45E-06	5.87E-07	8.77E-03	2.77E-06	3.66E-07	2.96E-03	9.34E-07	1.23E-07	3.08E-03	9.71E-07	1.28E-07	5.92E-07	3.70E-07
1400 493777.33, 3860652.55	1.40E-02	4.41E-06	5.82E-07	8.66E-03	2.73E-06	3.61E-07	2.89E-03	9.13E-07	1.21E-07	3.01E-03	9.48E-07	1.25E-07	5.86E-07	3.66E-07
1401 493827.33, 3860652.55	1.38E-02	4.36E-06	5.76E-07	8.55E-03	2.70E-06	3.56E-07	2.83E-03	8.93E-07	1.18E-07	2.94E-03	9.27E-07	1.22E-07	5.80E-07	3.61E-07
1402 493877.33, 3860652.55	1.37E-02	4.32E-06	5.71E-07	8.45E-03	2.67E-06	3.52E-07	2.76E-03	8.72E-07	1.15E-07	2.87E-03	9.05E-07	1.19E-07	5.75E-07	3.56E-07
1403 493927.33, 3860652.55	1.36E-02	4.28E-06	5.65E-07	8.36E-03	2.64E-06	3.48E-07	2.71E-03	8.55E-07	1.13E-07	2.81E-03	8.88E-07	1.17E-07	5.70E-07	3.52E-07
1404 493977.33, 3860652.55	1.35E-02	4.25E-06	5.61E-07	8.27E-03	2.61E-06	3.45E-07	2.66E-03	8.41E-07	1.11E-07	2.76E-03	8.72E-07	1.15E-07	5.65E-07	3.49E-07
1405 494027.33, 3860652.55	1.33E-02	4.21E-06	5.56E-07	8.18E-03	2.58E-06	3.41E-07	2.61E-03	8.23E-07	1.09E-07	2.70E-03	8.53E-07	1.13E-07	5.60E-07	3.45E-07
1406 494311.06, 3858401.99	1.72E-02	5.44E-06	7.18E-07	8.85E-03	2.79E-06	3.69E-07	7.27E-04	2.29E-07	3.03E-08	7.49E-04	2.36E-07	3.12E-08	7.19E-07	3.70E-07

1407	494361.06, 3858401.99	1.70E-02	5.35E-06	7.06E-07	8.72E-03	2.75E-06	3.63E-07	7.21E-04	2.27E-07	3.00E-08	7.43E-04	2.34E-07	3.09E-08	7.07E-07	3.64E-07
1408	494411.06, 3858401.99	1.68E-02	5.29E-06	6.98E-07	8.62E-03	2.72E-06	3.59E-07	7.14E-04	2.25E-07	2.98E-08	7.38E-04	2.33E-07	3.07E-08	6.99E-07	3.60E-07
1409	494461.06, 3858401.99	1.67E-02	5.26E-06	6.94E-07	8.56E-03	2.70E-06	3.57E-07	7.11E-04	2.24E-07	2.96E-08	7.35E-04	2.32E-07	3.06E-08	6.95E-07	3.58E-07
1410	494511.06, 3858401.99	1.64E-02	5.19E-06	6.85E-07	8.46E-03	2.67E-06	3.52E-07	7.06E-04	2.23E-07	2.94E-08	7.28E-04	2.30E-07	3.03E-08	6.86E-07	3.53E-07
1411	494561.06, 3858401.99	1.63E-02	5.15E-06	6.80E-07	8.40E-03	2.65E-06	3.50E-07	7.03E-04	2.22E-07	2.93E-08	7.25E-04	2.29E-07	3.02E-08	6.81E-07	3.51E-07
1412	494611.06, 3858401.99	1.61E-02	5.07E-06	6.69E-07	8.27E-03	2.61E-06	3.45E-07	6.97E-04	2.20E-07	2.90E-08	7.20E-04	2.27E-07	3.00E-08	6.70E-07	3.46E-07
1413	494661.06, 3858401.99	1.59E-02	5.02E-06	6.62E-07	8.18E-03	2.58E-06	3.41E-07	6.92E-04	2.19E-07	2.88E-08	7.15E-04	2.26E-07	2.98E-08	6.63E-07	3.42E-07
1414	494711.06, 3858401.99	1.56E-02	4.94E-06	6.52E-07	8.06E-03	2.54E-06	3.36E-07	6.86E-04	2.17E-07	2.86E-08	7.08E-04	2.24E-07	2.95E-08	6.53E-07	3.37E-07
1415	494761.06, 3858401.99	1.55E-02	4.89E-06	6.46E-07	7.99E-03	2.52E-06	3.33E-07	6.83E-04	2.16E-07	2.85E-08	7.05E-04	2.23E-07	2.94E-08	6.47E-07	3.34E-07
1416	494811.06, 3858401.99	1.53E-02	4.83E-06	6.38E-07	7.89E-03	2.49E-06	3.29E-07	6.78E-04	2.14E-07	2.83E-08	6.99E-04	2.20E-07	2.91E-08	6.39E-07	3.30E-07
1417	494861.06, 3858401.99	1.51E-02	4.78E-06	6.31E-07	7.80E-03	2.46E-06	3.25E-07	6.74E-04	2.13E-07	2.81E-08	6.95E-04	2.19E-07	2.90E-08	6.32E-07	3.26E-07
1418	494911.06, 3858401.99	1.50E-02	4.72E-06	6.23E-07	7.72E-03	2.44E-06	3.21E-07	6.69E-04	2.11E-07	2.79E-08	6.90E-04	2.18E-07	2.88E-08	6.24E-07	3.22E-07
1419	494961.06, 3858401.99	1.48E-02	4.67E-06	6.16E-07	7.63E-03	2.41E-06	3.18E-07	6.64E-04	2.10E-07	2.77E-08	6.86E-04	2.16E-07	2.86E-08	6.17E-07	3.19E-07
1420	495011.06, 3858401.99	1.46E-02	4.60E-06	6.07E-07	7.52E-03	2.37E-06	3.13E-07	6.60E-04	2.08E-07	2.75E-08	6.79E-04	2.14E-07	2.83E-08	6.08E-07	3.14E-07
1421	495061.06, 3858401.99	1.44E-02	4.55E-06	6.00E-07	7.44E-03	2.35E-06	3.10E-07	6.55E-04	2.07E-07	2.73E-08	6.74E-04	2.13E-07	2.81E-08	6.01E-07	3.11E-07
1422	495111.06, 3858401.99	1.41E-02	4.45E-06	5.88E-07	7.28E-03	2.30E-06	3.03E-07	6.47E-04	2.04E-07	2.70E-08	6.66E-04	2.10E-07	2.77E-08	5.89E-07	3.04E-07
1423	495161.06, 3858401.99	1.40E-02	4.43E-06	5.84E-07	7.24E-03	2.29E-06	3.02E-07	6.44E-04	2.03E-07	2.68E-08	6.64E-04	2.10E-07	2.77E-08	5.85E-07	3.03E-07
1424	495211.06, 3858401.99	1.38E-02	4.34E-06	5.73E-07	7.11E-03	2.24E-06	2.96E-07	6.38E-04	2.01E-07	2.66E-08	6.56E-04	2.07E-07	2.73E-08	5.74E-07	2.97E-07
1425	495261.06, 3858401.99	1.36E-02	4.29E-06	5.67E-07	7.03E-03	2.22E-06	2.93E-07	6.33E-04	2.00E-07	2.64E-08	6.53E-04	2.06E-07	2.72E-08	5.68E-07	2.94E-07
1426	495311.06, 3858401.99	1.35E-02	4.25E-06	5.60E-07	6.95E-03	2.19E-06	2.90E-07	6.30E-04	1.99E-07	2.62E-08	6.48E-04	2.05E-07	2.70E-08	5.61E-07	2.90E-07
1427	495361.06, 3858401.99	1.33E-02	4.21E-06	5.56E-07	6.90E-03	2.18E-06	2.87E-07	6.27E-04	1.98E-07	2.61E-08	6.45E-04	2.03E-07	2.69E-08	5.56E-07	2.88E-07
1428	495411.06, 3858401.99	1.33E-02	4.19E-06	5.53E-07	6.86E-03	2.17E-06	2.86E-07	6.23E-04	1.97E-07	2.60E-08	6.43E-04	2.03E-07	2.68E-08	5.54E-07	2.87E-07
1429	495461.06, 3858401.99	1.32E-02	4.17E-06	5.50E-07	6.83E-03	2.16E-06	2.85E-07	6.22E-04	1.96E-07	2.59E-08	6.41E-04	2.02E-07	2.67E-08	5.51E-07	2.85E-07
1430	495511.06, 3858401.99	1.31E-02	4.15E-06	5.48E-07	6.80E-03	2.15E-06	2.83E-07	6.20E-04	1.96E-07	2.58E-08	6.38E-04	2.01E-07	2.66E-08	5.48E-07	2.84E-07
1431	495561.06, 3858401.99	1.30E-02	4.11E-06	5.43E-07	6.74E-03	2.13E-06	2.81E-07	6.16E-04	1.94E-07	2.56E-08	6.35E-04	2.00E-07	2.65E-08	5.44E-07	2.82E-07
1432	495611.06, 3858401.99	1.30E-02	4.09E-06	5.41E-07	6.71E-03	2.12E-06	2.80E-07	6.14E-04	1.94E-07	2.56E-08	6.32E-04	1.99E-07	2.63E-08	5.41E-07	2.80E-07
1433	495661.06, 3858401.99	1.30E-02	4.10E-06	5.41E-07	6.72E-03	2.12E-06	2.80E-07	6.16E-04	1.94E-07	2.56E-08	6.33E-04	2.00E-07	2.64E-08	5.42E-07	2.81E-07
1434	494311.06, 3858451.99	1.76E-02	5.56E-06	7.33E-07	9.05E-03	2.86E-06	3.77E-07	7.44E-04	2.35E-07	3.10E-08	7.69E-04	2.43E-07	3.20E-08	7.34E-07	3.78E-07
1435	494361.06, 3858451.99	1.74E-02	5.48E-06	7.24E-07	8.93E-03	2.82E-06	3.72E-07	7.38E-04	2.33E-07	3.07E-08	7.62E-04	2.41E-07	3.18E-08	7.25E-07	3.73E-07
1436	494411.06, 3858451.99	1.72E-02	5.42E-06	7.16E-07	8.83E-03	2.79E-06	3.68E-07	7.33E-04	2.31E-07	3.05E-08	7.56E-04	2.39E-07	3.15E-08	7.16E-07	3.69E-07
1437	494461.06, 3858451.99	1.70E-02	5.37E-06	7.08E-07	8.74E-03	2.76E-06	3.64E-07	7.27E-04	2.29E-07	3.03E-08	7.51E-04	2.37E-07	3.13E-08	7.09E-07	3.65E-07
1438	494511.06, 3858451.99	1.69E-02	5.33E-06	7.03E-07	8.68E-03	2.74E-06	3.62E-07	7.24E-04	2.28E-07	3.02E-08	7.48E-04	2.36E-07	3.11E-08	7.04E-07	3.63E-07
1439	494561.06, 3858451.99	1.67E-02	5.26E-06	6.94E-07	8.57E-03	2.71E-06	3.57E-07	7.17E-04	2.26E-07	2.99E-08	7.41E-04	2.34E-07	3.09E-08	6.95E-07	3.58E-07
1440	494611.06, 3858451.99	1.65E-02	5.20E-06	6.87E-07	8.48E-03	2.68E-06	3.53E-07	7.13E-04	2.25E-07	2.97E-08	7.36E-04	2.32E-07	3.07E-08	6.88E-07	3.54E-07
1441	494661.06, 3858451.99	1.63E-02	5.14E-06	6.79E-07	8.39E-03	2.65E-06	3.50E-07	7.08E-04	2.23E-07	2.95E-08	7.31E-04	2.31E-07	3.05E-08	6.80E-07	3.51E-07
1442	494711.06, 3858451.99	1.61E-02	5.08E-06	6.70E-07	8.28E-03	2.61E-06	3.45E-07	7.02E-04	2.21E-07	2.92E-08	7.26E-04	2.29E-07	3.03E-08	6.71E-07	3.46E-07
1443	494761.06, 3858451.99	1.59E-02	5.01E-06	6.61E-07	8.18E-03	2.58E-06	3.41E-07	6.97E-04	2.20E-07	2.90E-08	7.20E-04	2.27E-07	3.00E-08	6.62E-07	3.42E-07
1444	494811.06, 3858451.99	1.56E-02	4.93E-06	6.51E-07	8.06E-03	2.54E-06	3.36E-07	6.92E-04	2.19E-07	2.88E-08	7.15E-04	2.26E-07	2.98E-08	6.52E-07	3.37E-07
1445	494861.06, 3858451.99	1.54E-02	4.87E-06	6.43E-07	7.95E-03	2.51E-06	3.31E-07	6.86E-04	2.17E-07	2.86E-08	7.08E-04	2.24E-07	2.95E-08	6.44E-07	3.32E-07
1446	494911.06, 3858451.99	1.52E-02	4.81E-06	6.34E-07	7.85E-03	2.48E-06	3.27E-07	6.80E-04	2.15E-07	2.83E-08	7.02E-04	2.22E-07	2.92E-08	6.35E-07	3.28E-07
1447	494961.06, 3858451.99	1.50E-02	4.73E-06	6.24E-07	7.73E-03	2.44E-06	3.22E-07	6.75E-04	2.13E-07	2.81E-08	6.97E-04	2.20E-07	2.90E-08	6.25E-07	3.23E-07
1448	495011.06, 3858451.99	1.48E-02	4.66E-06	6.15E-07	7.61E-03	2.40E-06	3.17E-07	6.69E-04	2.11E-07	2.79E-08	6.90E-04	2.18E-07	2.88E-08	6.16E-07	3.18E-07
1449	495061.06, 3858451.99	1.46E-02	4.62E-06	6.10E-07	7.56E-03	2.39E-06	3.15E-07	6.66E-04	2.10E-07	2.77E-08	6.87E-04	2.17E-07	2.86E-08	6.11E-07	3.16E-07
1450	495111.06, 3858451.99	1.44E-02	4.55E-06	6.01E-07	7.44E-03	2.35E-06	3.10E-07	6.60E-04	2.08E-07	2.75E-08	6.81E-04	2.15E-07	2.84E-08	6.01E-07	3.11E-07
1451	495161.06, 3858451.99	1.42E-02	4.47E-06	5.90E-07	7.32E-03	2.31E-06	3.05E-07	6.53E-04	2.06E-07	2.72E-08	6.74E-04	2.13E-07	2.81E-08	5.91E-07	3.06E-07
1452	495211.06, 3858451.99	1.39E-02	4.40E-06	5.81E-07	7.21E-03	2.27E-06	3.00E-07	6.49E-04	2.05E-07	2.70E-08	6.68E-04	2.11E-07	2.78E-08	5.82E-07	3.01E-07
1453	495261.06, 3858451.99	1.38E-02	4.36E-06	5.75E-07	7.13E-03	2.25E-06	2.97E-07	6.44E-04	2.03E-07	2.68E-08	6.63E-04	2.09E-07	2.76E-08	5.76E-07	2.98E-07
1454	495311.06, 3858451.99	1.37E-02	4.32E-06	5.70E-07	7.07E-03	2.23E-06	2.94E-07	6.39E-04	2.02E-07	2.66E-08	6.59E-04	2.08E-07	2.75E-08	5.70E-07	2.95E-07
1455	495361.06, 3858451.99	1.36E-02	4.28E-06	5.65E-07	7.01E-03	2.21E-06	2.92E-07	6.36E-04	2.01E-07	2.65E-08	6.56E-04	2.07E-07	2.73E-08	5.66E-07	2.93E-07
1456	495411.06, 3858451.99	1.35E-02	4.26E-06	5.62E-07	6.98E-03	2.20E-06	2.91E-07	6.34E-04	2.00E-07	2.64E-08	6.55E-04	2.07E-07	2.73E-08	5.63E-07	2.91E-07
1457	495461.06, 3858451.99	1.34E-02	4.24E-06	5.60E-07	6.95E-03	2.19E-06	2.90E-07	6.33E-04	2.00E-07	2.64E-08	6.53E-04	2.06E-07	2.72E-08	5.61E-07	2.91E-07
1458	495511.06, 3858451.99	1.33E-02	4.20E-06	5.55E-07	6.89E-03	2.17E-06	2.87E-07	6.30E-04	1.99E-07	2.62E-08	6.50E-04	2.05E-07	2.71E-08	5.56E-07	2.88E-07
1459	495561.06, 3858451.99	1.33E-02	4.20E-06	5.55E-07	6.88E-03	2.17E-06	2.87E-07	6.28E-04	1.98E-07	2.62E-08	6.48E-04	2.05E-07	2.70E-08	5.55E-07	2.88E-07
1460	495611.06, 3858451.99	1.32E-02	4.16E-06	5.49E-07	6.81E-03	2.15E-06	2.84E-07	6.25E-04	1.97E-07	2.60E-08	6.45E-04	2.03E-07	2.69E-08	5.50E-07	2.85E-07
1461	495661.06, 3858451.99	1.31E-02	4.14E-06	5.47E-07	6.79E-03	2.14E-06	2.83E-07	6.23E-04	1.97E-07	2.60E-08	6.43E-04	2.03E-07	2.68E-08	5.48E-07	2.84E-07
1462	494311.06, 3858501.99	1.78E-02	5.60E-06	7.40E-07	9.13E-03	2.88E-06	3.80E-07	7.58E-04	2.39E-07	3.16E-08	7.82E-04	2.47E-07	3.26E-08	7.41E-07	3.81E-07
1463	494361.06, 3858501.99	1.76E-02	5.55E-06	7.33E-07	9.05E-03	2.86E-06	3.77E-07	7.53E-04	2.38E-07	3.14E-08	7.77E-04	2.45E-07	3.24E-08	7.34E-07	3.78E-07
1464	494411.06, 3858501.99	1.74E-02	5.49E-06	7.25E-07	8.95E-03	2.83E-06	3.73E-07	7.47E-04	2.36E-07	3.11E-08	7.70E-04	2.43E-07	3.21E-08	7.26E-07	3.74E-07
1465	494461.06, 3858501.99	1.73E-02	5.45E-06	7.19E-07	8.88E-03	2.80E-06	3.70E-07	7.43E-04	2.34E-07	3.09E-08	7.67E-04	2.42E-07	3.20E-08	7.20E-07	3.71E-07
1466	494511.06, 3858501.99	1.70E-02	5.37E-06	7.09E-07	8.76E-03	2.77E-06	3.65E-07	7.36E-04	2.32E-07	3.07E-08	7.59E-04	2.40E-07	3.16E-08	7.10E-07	3.66E-07
1467	494561.06, 3858501.99	1.70E-02	5.36E-06	7.08E-07	8.75E-03	2.76E-06	3.64E-07	7.35E-04	2.32E-07	3.06E-08	7.59E-04	2.40E-07	3.16E-08	7.09E-07	3.65E-07
1468	494611.06, 3858501.99	1.68E-02	5.30E-06	7.00E-07	8.65E-03	2.73E-06	3.60E-07	7.28E-04	2.30E-07	3.03E-08	7.52E-04	2.37E-07	3.13E-08	7.01E-07	3.61E-07
1469	494661.06, 3858501.99	1.67E-02	5.26E-06	6.94E-07	8.57E-03	2.71E-06	3.57E-07	7.24E-04	2.28E-07	3.02E-08	7.48E-04	2.36E-07	3.11E-08	6.95E-07	3.58E-07
1470	494711.06, 3858501.99	1.64E-02	5.18E-06	6.84E-07	8.46E-03	2.67E-06	3.52E-07	7.17E-04	2.26E-07	2.99E-08	7.41E-04	2.34E-07	3.09E-08	6.85E-07	3.53E-07
1471	494761.06, 3858501.99	1.62E-02	5.11E-06	6.74E-07	8.33E-03	2.63E-06	3.47E-07	7.11E-04	2.24E-07	2.96E-08	7.35E-04	2.32E-07	3.06E-08	6.75E-07	3.48E-07
1472	494811.06, 3858501.99	1.59E-02	5.03E-06	6.64E-07	8.21E-03	2.59E-06	3.42E-07	7.05E-04	2.22E-07	2.94E-08	7.28E-04	2.30E-07	3.03E-08	6.65E-07	3.43E-07
1473	494861.06, 3858501.99	1.58E-02	4.98E-06	6.57E-07	8.13E-03	2.57E-06	3.39E-07	7.00E-04	2.21E-07	2.92E-08	7.23E-04	2.28E-07	3.01E-08	6.58E-07	3.40E-07
1474	494911.06, 3858501.99	1.54E-02	4.87E-06	6.43E-07	7.95E-03	2.51E-06	3.31E-07	6.92E-04	2.19E-07	2.88E-08	7.15E-04	2.26E-07	2.98E-08	6.44E-07	3.32E-07
1475	494961.06, 3858501.99	1.53E-02	4.81E-06	6.35E-07	7.87E-03	2.48E-06	3.28E-07	6.88E-04	2.17E-07	2.87E-08	7.10E-04	2.24E-07	2.96E-08	6.36E-07	3.29E-07
1476	495011.06, 3858501.99	1.50E-02	4.73E-06	6.25E-07	7.74E-03	2.44E-06	3.22E-07	6.81E-04	2.15E-07	2.84E-08	7.04E-04	2.22E-07	2.93E-08	6.26E-07	3.23E-07
1477	495061.06, 3858501.99	1.49E-02	4.69E-06	6.19E-07	7.67E-03	2.42E-06	3.20E-07	6.77E-04	2.14E-07	2.82E-08	6.99E-04	2.20E-07	2.91E-08	6.20E-07	3.21E-07
1478	495111.06, 3858501.99	1.45E-02	4.59E-06	6.06E-07	7.51E-03	2.37E-06	3.13E-07	6.69E-04	2.11E-07	2.79E-08	6.90E-04	2.18E-07	2.88E-08	6.07E-07	3.14E-07
1479	495161.06, 3858501.99	1.44E-02	4.53E-06	5.98E-07	7.41E-03	2.34E-06	3.09E-07	6.64E-04	2.10E-07	2.77E-08	6.84E-04	2.16E-07	2.85E-08	5.99E-07	3.10E-07
1480	495211.06, 3858501.99	1.41E-02	4.46E-06	5.89E-07	7.31E-03	2.31E-06	3.04E-07	6.58E-04	2.08E-07	2.74E-08	6.79E-04	2.14E-07	2.83E-08	5.90E-07	3.05E-07
1481	495261.06, 3858501.99	1.40E-02	4.42E-06	5.83E-07	7.23E-03	2.28E-06	3.01E-07	6.55E-04	2.07E-07	2.73E-08	6.74E-04	2.13E-07	2.81E-08	5.84E-07	3.02E-07
1482	495311.06, 3858501.99	1.39E-02	4.39E-06	5.79E-07	7.18E-03	2.27E-06	2.99E-07	6.52E-04	2.06E-07	2.71E-08	6.71E-04	2.12E-07	2.79E-08	5.80E-07	3.00E-07
1483	495361.06, 3858501.99	1.38E-02	4.35E-06	5.75E-07	7.13E-03	2.25E-06	2.97E-07	6.49E-04	2.05E-07	2.70E-08	6.68E-04	2.11E-07	2.78E-08	5.76E-07	2.98E-07
1484	495411.06, 3858501.99	1.37E-02	4.33E-06	5.72E-07	7.10E-03	2.24E-06	2.96E-07	6.45E-04	2.04E-07	2.69E-08	6.66E-04	2.10E-07	2.77E-08	5.73E-07	2.97E-07
1485	495461.06, 3858501.99	1.37E-02	4.31E-06	5.69E-07	7.06E-03	2.23E-06	2.94E-07	6.44E-04	2.03E-07	2.68E-08	6.64E-04	2.10E-07	2.77E-08	5.70E-07	2.95E-07
1486	495511.06, 3858501.99	1.36E-02	4.28E-06	5.66E-07	7.02E-03	2.22E-06	2.93E-07	6.41E-04	2.02E-07	2.67E-08	6.61E-04	2.09E-07	2.75E-08	5.66E-07	2.93E-07
1487	495561.06, 3858501.99	1.36E-02	4.28E-06	5.65E-07	7.02E-03	2.21E-06	2.92E-07	6.41E-04	2.02E-07	2.67E-08	6.61E-04	2.09E-07	2.75E-08	5.66E-07	2.93E-07
1488	495611.06, 3858501.99	1.35E-02	4.25E-06	5.60E-07	6.96E-03	2.20E-06	2.90E-07	6.36E-04	2.01E-07	2.65E-08	6.56E-04	2.07E-07	2.73E-08	5.61E-07	2.91E-07
1489	495661.06, 3858501.99	1.34E-02	4.23E-06	5.58E-07	6.93E-03	2.19E-06	2.89E-07	6.34E-04	2.00E-07	2.64E-08	6.56E-04	2.07E-07	2.73E-08	5.59E-07	2.90E-07
1490	494311.06, 3858551.99	1.77E-02	5.59E-06	7.38E-07	9.12E-03	2.88E-06	3.80E-07	7.63E-04	2.41E-07	3.18E-08	7.87E-04	2.48E-07	3.28E-08	7.39E-07	3.81E-07
1491	494361.06, 3858551.99	1.77E-02	5.59E-06	7.38E-07	9.12E-03	2.88E-06	3.80E-07	7.63E-04	2.41E-07	3.18E-08	7.87E-04	2.48E-07	3.28E-08	7.39E-07	3.81E-07
1492	494411.06, 3858551.99	1.77E-02	5.58E-06	7.37E-07	9.10E-03	2.87E-06	3.79E-07	7.64E-04	2.41E-07	3.18E-08	7.88E-04	2.49E-07	3.28E-08	7.38E-07	3.80E-07
1493	494461.06, 3858551.99	1.76E-02	5.55E-06	7.33E-07	9.06E-03	2.86E-06	3.77E-07	7.61E-04	2.40E-07	3.17E-08	7.85E-04	2.48E-07	3.27E-08	7.34E-07	3.78E-07
1494	494511.06, 3858551.99	1.74E-02	5.50E-06	7.27E-07	8.98E-03	2.83E-06	3.74E-07	7.57E-04	2.39E-07	3.15E-08	7.80E-04	2.46E-07	3.25E-08	7.28E-07	3.75E-07
1495	494561.06, 3858551.99	1.73E-02	5.46E-06	7.21E-07	8.91E-03	2.81E-06	3.71E-07	7.52E-04	2.37E-07	3.13E-08	7.77E-04	2.45E-07	3.24E-08	7.22E-07	3.72E-07
1496	494611.06, 3858551.99	1.71E-02	5.41E-06	7.14E-07	8.82E-03	2.79E-06	3.68E-07	7.47E-04	2.36E-07	3.11E-08	7.72E-04	2.44E-07	3.22E-08	7.15E-07	3.69E-07
1497	494661.06, 3858551.99	1.70E-02	5.36E-06	7.07E-07	8.74E-03	2.76E-06	3.64E-07	7.43E-04	2.34E-07	3.09E-08	7.67E-04	2.42E-07	3.20E-08	7.08E-07	3.65E-07
1498	494711.06, 3858551.99	1.67E-02	5.28E-06	6.97E-07	8.62E-03	2.72E-06	3.59E-07	7.35E-04	2.32E-07	3.06E-08	7.59E-04	2.40E-07	3.16E-08	6.98E-07	3.60E-07
1499	494761.06, 3858551.99	1.65E-02	5.20E-06	6.87E-07	8.50E-03	2.68E-06	3.54E-07	7.27E-04	2.29E-07	3.03E-08	7.51E-04	2.37E-07	3.13E-08	6.88E-07	3.55E-07
1500	494811.06, 3858551.99	1.63E-02	5.14E-06	6.79E-07	8.39E-03	2.65E-06	3.50E-07	7.21E-04	2.27E-07	3.00E-08	7.46E-04	2.35E-07	3.11E-08	6.80E-07	3.51E-07

1501 494861.06, 3858551.99	1.60E-02	5.06E-06	6.69E-07	8.27E-03	2.61E-06	3.45E-07	7.14E-04	2.25E-07	2.98E-08	7.38E-04	2.33E-07	3.07E-08	6.69E-07	3.46E-07
1502 494911.06, 3858551.99	1.58E-02	4.98E-06	6.58E-07	8.14E-03	2.57E-06	3.39E-07	7.06E-04	2.23E-07	2.94E-08	7.31E-04	2.31E-07	3.05E-08	6.59E-07	3.40E-07
1503 494961.06, 3858551.99	1.56E-02	4.91E-06	6.48E-07	8.03E-03	2.53E-06	3.34E-07	7.00E-04	2.21E-07	2.92E-08	7.25E-04	2.29E-07	3.02E-08	6.49E-07	3.35E-07
1504 495011.06, 3858551.99	1.53E-02	4.82E-06	6.37E-07	7.89E-03	2.49E-06	3.29E-07	6.92E-04	2.19E-07	2.88E-08	7.17E-04	2.26E-07	2.99E-08	6.38E-07	3.30E-07
1505 495061.06, 3858551.99	1.51E-02	4.75E-06	6.27E-07	7.77E-03	2.45E-06	3.24E-07	6.88E-04	2.17E-07	2.87E-08	7.12E-04	2.25E-07	2.96E-08	6.28E-07	3.25E-07
1506 495111.06, 3858551.99	1.47E-02	4.65E-06	6.14E-07	7.62E-03	2.40E-06	3.17E-07	6.80E-04	2.15E-07	2.83E-08	7.02E-04	2.22E-07	2.92E-08	6.15E-07	3.18E-07
1507 495161.06, 3858551.99	1.45E-02	4.59E-06	6.05E-07	7.51E-03	2.37E-06	3.13E-07	6.74E-04	2.13E-07	2.81E-08	6.95E-04	2.19E-07	2.90E-08	6.06E-07	3.14E-07
1508 495211.06, 3858551.99	1.43E-02	4.53E-06	5.98E-07	7.41E-03	2.34E-06	3.09E-07	6.69E-04	2.11E-07	2.79E-08	6.90E-04	2.18E-07	2.88E-08	5.99E-07	3.10E-07
1509 495261.06, 3858551.99	1.42E-02	4.48E-06	5.92E-07	7.34E-03	2.32E-06	3.06E-07	6.64E-04	2.10E-07	2.77E-08	6.86E-04	2.16E-07	2.86E-08	5.93E-07	3.07E-07
1510 495311.06, 3858551.99	1.41E-02	4.46E-06	5.88E-07	7.30E-03	2.30E-06	3.04E-07	6.63E-04	2.09E-07	2.76E-08	6.84E-04	2.16E-07	2.85E-08	5.89E-07	3.05E-07
1511 495361.06, 3858551.99	1.40E-02	4.43E-06	5.85E-07	7.26E-03	2.29E-06	3.02E-07	6.60E-04	2.08E-07	2.75E-08	6.81E-04	2.15E-07	2.84E-08	5.86E-07	3.03E-07
1512 495411.06, 3858551.99	1.40E-02	4.41E-06	5.82E-07	7.23E-03	2.28E-06	3.01E-07	6.58E-04	2.08E-07	2.74E-08	6.79E-04	2.14E-07	2.83E-08	5.83E-07	3.02E-07
1513 495461.06, 3858551.99	1.39E-02	4.39E-06	5.79E-07	7.19E-03	2.27E-06	2.99E-07	6.55E-04	2.07E-07	2.73E-08	6.76E-04	2.13E-07	2.82E-08	5.80E-07	3.00E-07
1514 495511.06, 3858551.99	1.38E-02	4.37E-06	5.77E-07	7.16E-03	2.26E-06	2.98E-07	6.53E-04	2.06E-07	2.72E-08	6.74E-04	2.13E-07	2.81E-08	5.78E-07	2.99E-07
1515 495561.06, 3858551.99	1.38E-02	4.34E-06	5.73E-07	7.12E-03	2.25E-06	2.97E-07	6.50E-04	2.05E-07	2.71E-08	6.73E-04	2.12E-07	2.80E-08	5.74E-07	2.97E-07
1516 495611.06, 3858551.99	1.37E-02	4.32E-06	5.70E-07	7.08E-03	2.23E-06	2.95E-07	6.49E-04	2.05E-07	2.70E-08	6.69E-04	2.11E-07	2.79E-08	5.71E-07	2.96E-07
1517 495661.06, 3858551.99	1.36E-02	4.29E-06	5.66E-07	7.03E-03	2.22E-06	2.93E-07	6.45E-04	2.04E-07	2.69E-08	6.66E-04	2.10E-07	2.77E-08	5.67E-07	2.94E-07
1518 494311.06, 3858601.99	1.72E-02	5.42E-06	7.15E-07	8.84E-03	2.79E-06	3.68E-07	7.61E-04	2.40E-07	3.17E-08	7.83E-04	2.47E-07	3.26E-08	7.16E-07	3.69E-07
1519 494361.06, 3858601.99	1.77E-02	5.60E-06	7.39E-07	9.13E-03	2.88E-06	3.81E-07	7.72E-04	2.44E-07	3.22E-08	7.97E-04	2.51E-07	3.32E-08	7.40E-07	3.82E-07
1520 494411.06, 3858601.99	1.80E-02	5.69E-06	7.51E-07	9.29E-03	2.93E-06	3.87E-07	7.83E-04	2.47E-07	3.26E-08	8.08E-04	2.55E-07	3.37E-08	7.52E-07	3.88E-07
1521 494461.06, 3858601.99	1.79E-02	5.66E-06	7.47E-07	9.23E-03	2.91E-06	3.84E-07	7.79E-04	2.46E-07	3.24E-08	8.05E-04	2.54E-07	3.35E-08	7.48E-07	3.85E-07
1522 494511.06, 3858601.99	1.77E-02	5.60E-06	7.39E-07	9.14E-03	2.88E-06	3.81E-07	7.71E-04	2.43E-07	3.21E-08	7.98E-04	2.52E-07	3.33E-08	7.40E-07	3.82E-07
1523 494561.06, 3858601.99	1.77E-02	5.57E-06	7.35E-07	9.09E-03	2.87E-06	3.79E-07	7.71E-04	2.43E-07	3.21E-08	7.97E-04	2.51E-07	3.32E-08	7.36E-07	3.80E-07
1524 494611.06, 3858601.99	1.74E-02	5.50E-06	7.26E-07	8.98E-03	2.83E-06	3.74E-07	7.64E-04	2.41E-07	3.18E-08	7.90E-04	2.49E-07	3.29E-08	7.27E-07	3.75E-07
1525 494661.06, 3858601.99	1.73E-02	5.45E-06	7.19E-07	8.89E-03	2.81E-06	3.70E-07	7.58E-04	2.39E-07	3.16E-08	7.83E-04	2.47E-07	3.26E-08	7.20E-07	3.72E-07
1526 494711.06, 3858601.99	1.70E-02	5.38E-06	7.10E-07	8.78E-03	2.77E-06	3.66E-07	7.52E-04	2.37E-07	3.13E-08	7.77E-04	2.45E-07	3.24E-08	7.11E-07	3.67E-07
1527 494761.06, 3858601.99	1.68E-02	5.30E-06	7.00E-07	8.66E-03	2.73E-06	3.61E-07	7.44E-04	2.35E-07	3.10E-08	7.70E-04	2.43E-07	3.21E-08	7.01E-07	3.62E-07
1528 494811.06, 3858601.99	1.65E-02	5.21E-06	6.87E-07	8.51E-03	2.68E-06	3.54E-07	7.35E-04	2.32E-07	3.06E-08	7.61E-04	2.40E-07	3.17E-08	6.89E-07	3.55E-07
1529 494861.06, 3858601.99	1.63E-02	5.14E-06	6.79E-07	8.40E-03	2.65E-06	3.50E-07	7.28E-04	2.30E-07	3.03E-08	7.54E-04	2.38E-07	3.14E-08	6.80E-07	3.51E-07
1530 494911.06, 3858601.99	1.60E-02	5.05E-06	6.67E-07	8.25E-03	2.60E-06	3.44E-07	7.21E-04	2.27E-07	3.00E-08	7.44E-04	2.35E-07	3.10E-08	6.68E-07	3.45E-07
1531 494961.06, 3858601.99	1.58E-02	4.98E-06	6.58E-07	8.14E-03	2.57E-06	3.39E-07	7.13E-04	2.25E-07	2.97E-08	7.38E-04	2.33E-07	3.07E-08	6.59E-07	3.40E-07
1532 495011.06, 3858601.99	1.56E-02	4.91E-06	6.48E-07	8.03E-03	2.53E-06	3.34E-07	7.06E-04	2.23E-07	2.94E-08	7.31E-04	2.31E-07	3.05E-08	6.49E-07	3.35E-07
1533 495061.06, 3858601.99	1.53E-02	4.83E-06	6.38E-07	7.91E-03	2.49E-06	3.29E-07	7.00E-04	2.21E-07	2.92E-08	7.23E-04	2.28E-07	3.01E-08	6.39E-07	3.30E-07
1534 495111.06, 3858601.99	1.49E-02	4.71E-06	6.22E-07	7.71E-03	2.43E-06	3.21E-07	6.91E-04	2.18E-07	2.88E-08	7.13E-04	2.25E-07	2.97E-08	6.23E-07	3.22E-07
1535 495161.06, 3858601.99	1.47E-02	4.65E-06	6.14E-07	7.61E-03	2.40E-06	3.17E-07	6.86E-04	2.17E-07	2.86E-08	7.08E-04	2.24E-07	2.95E-08	6.14E-07	3.18E-07
1536 495211.06, 3858601.99	1.46E-02	4.61E-06	6.08E-07	7.55E-03	2.38E-06	3.14E-07	6.81E-04	2.15E-07	2.84E-08	7.04E-04	2.22E-07	2.93E-08	6.09E-07	3.15E-07
1537 495261.06, 3858601.99	1.44E-02	4.56E-06	6.02E-07	7.47E-03	2.36E-06	3.11E-07	6.77E-04	2.14E-07	2.82E-08	7.00E-04	2.21E-07	2.92E-08	6.03E-07	3.12E-07
1538 495311.06, 3858601.99	1.43E-02	4.52E-06	5.97E-07	7.41E-03	2.34E-06	3.09E-07	6.74E-04	2.13E-07	2.81E-08	6.95E-04	2.19E-07	2.90E-08	5.98E-07	3.10E-07
1539 495361.06, 3858601.99	1.42E-02	4.50E-06	5.93E-07	7.37E-03	2.33E-06	3.07E-07	6.70E-04	2.12E-07	2.79E-08	6.94E-04	2.19E-07	2.89E-08	5.94E-07	3.08E-07
1540 495411.06, 3858601.99	1.42E-02	4.47E-06	5.91E-07	7.33E-03	2.31E-06	3.05E-07	6.69E-04	2.11E-07	2.79E-08	6.90E-04	2.18E-07	2.88E-08	5.92E-07	3.06E-07
1541 495461.06, 3858601.99	1.41E-02	4.45E-06	5.88E-07	7.30E-03	2.30E-06	3.04E-07	6.66E-04	2.10E-07	2.77E-08	6.89E-04	2.17E-07	2.87E-08	5.89E-07	3.05E-07
1542 495511.06, 3858601.99	1.40E-02	4.42E-06	5.83E-07	7.24E-03	2.29E-06	3.02E-07	6.63E-04	2.09E-07	2.76E-08	6.86E-04	2.16E-07	2.86E-08	5.84E-07	3.03E-07
1543 495561.06, 3858601.99	1.40E-02	4.41E-06	5.82E-07	7.22E-03	2.28E-06	3.01E-07	6.61E-04	2.09E-07	2.75E-08	6.84E-04	2.16E-07	2.85E-08	5.83E-07	3.02E-07
1544 495611.06, 3858601.99	1.38E-02	4.36E-06	5.76E-07	7.15E-03	2.26E-06	2.98E-07	6.58E-04	2.08E-07	2.74E-08	6.81E-04	2.15E-07	2.84E-08	5.77E-07	2.99E-07
1545 495661.06, 3858601.99	1.38E-02	4.35E-06	5.74E-07	7.13E-03	2.25E-06	2.97E-07	6.55E-04	2.07E-07	2.73E-08	6.77E-04	2.14E-07	2.82E-08	5.75E-07	2.98E-07
1546 494311.06, 3858651.99	1.72E-02	5.41E-06	7.15E-07	8.85E-03	2.79E-06	3.69E-07	7.71E-04	2.43E-07	3.21E-08	7.93E-04	2.50E-07	3.30E-08	7.16E-07	3.70E-07
1547 494361.06, 3858651.99	1.77E-02	5.59E-06	7.38E-07	9.13E-03	2.88E-06	3.80E-07	7.82E-04	2.47E-07	3.26E-08	8.06E-04	2.54E-07	3.36E-08	7.39E-07	3.81E-07
1548 494411.06, 3858651.99	1.83E-02	5.76E-06	7.61E-07	9.40E-03	2.97E-06	3.92E-07	7.96E-04	2.51E-07	3.32E-08	8.24E-04	2.60E-07	3.43E-08	7.62E-07	3.93E-07
1549 494461.06, 3858651.99	1.82E-02	5.74E-06	7.57E-07	9.36E-03	2.96E-06	3.90E-07	7.97E-04	2.52E-07	3.32E-08	8.24E-04	2.60E-07	3.43E-08	7.59E-07	3.91E-07
1550 494511.06, 3858651.99	1.80E-02	5.69E-06	7.51E-07	9.28E-03	2.93E-06	3.87E-07	7.93E-04	2.50E-07	3.30E-08	8.19E-04	2.59E-07	3.41E-08	7.52E-07	3.88E-07
1551 494561.06, 3858651.99	1.79E-02	5.65E-06	7.46E-07	9.22E-03	2.91E-06	3.84E-07	7.88E-04	2.49E-07	3.28E-08	8.15E-04	2.57E-07	3.39E-08	7.47E-07	3.85E-07
1552 494611.06, 3858651.99	1.78E-02	5.60E-06	7.40E-07	9.15E-03	2.89E-06	3.81E-07	7.83E-04	2.47E-07	3.26E-08	8.10E-04	2.56E-07	3.37E-08	7.41E-07	3.82E-07
1553 494661.06, 3858651.99	1.75E-02	5.54E-06	7.31E-07	9.04E-03	2.85E-06	3.77E-07	7.75E-04	2.45E-07	3.23E-08	8.03E-04	2.53E-07	3.35E-08	7.32E-07	3.78E-07
1554 494711.06, 3858651.99	1.73E-02	5.46E-06	7.20E-07	8.91E-03	2.81E-06	3.71E-07	7.68E-04	2.42E-07	3.20E-08	7.95E-04	2.51E-07	3.31E-08	7.22E-07	3.72E-07
1555 494761.06, 3858651.99	1.71E-02	5.39E-06	7.12E-07	8.81E-03	2.78E-06	3.67E-07	7.61E-04	2.40E-07	3.17E-08	7.87E-04	2.48E-07	3.28E-08	7.13E-07	3.68E-07
1556 494811.06, 3858651.99	1.68E-02	5.30E-06	7.00E-07	8.66E-03	2.73E-06	3.61E-07	7.52E-04	2.37E-07	3.13E-08	7.79E-04	2.46E-07	3.24E-08	7.01E-07	3.62E-07
1557 494861.06, 3858651.99	1.65E-02	5.22E-06	6.89E-07	8.53E-03	2.69E-06	3.55E-07	7.44E-04	2.35E-07	3.10E-08	7.69E-04	2.43E-07	3.20E-08	6.90E-07	3.57E-07
1558 494911.06, 3858651.99	1.63E-02	5.13E-06	6.77E-07	8.39E-03	2.65E-06	3.49E-07	7.35E-04	2.32E-07	3.06E-08	7.61E-04	2.40E-07	3.17E-08	6.78E-07	3.50E-07
1559 494961.06, 3858651.99	1.60E-02	5.04E-06	6.66E-07	8.25E-03	2.60E-06	3.44E-07	7.27E-04	2.29E-07	3.03E-08	7.51E-04	2.37E-07	3.13E-08	6.67E-07	3.45E-07
1560 495011.06, 3858651.99	1.58E-02	4.98E-06	6.57E-07	8.14E-03	2.57E-06	3.39E-07	7.21E-04	2.27E-07	3.00E-08	7.44E-04	2.35E-07	3.10E-08	6.58E-07	3.40E-07
1561 495061.06, 3858651.99	1.55E-02	4.90E-06	6.47E-07	8.02E-03	2.53E-06	3.34E-07	7.13E-04	2.25E-07	2.97E-08	7.38E-04	2.33E-07	3.07E-08	6.48E-07	3.35E-07
1562 495111.06, 3858651.99	1.53E-02	4.81E-06	6.35E-07	7.88E-03	2.49E-06	3.28E-07	7.05E-04	2.22E-07	2.94E-08	7.28E-04	2.30E-07	3.03E-08	6.36E-07	3.29E-07
1563 495161.06, 3858651.99	1.51E-02	4.75E-06	6.28E-07	7.78E-03	2.46E-06	3.24E-07	6.99E-04	2.21E-07	2.91E-08	7.23E-04	2.28E-07	3.01E-08	6.29E-07	3.25E-07
1564 495211.06, 3858651.99	1.49E-02	4.69E-06	6.19E-07	7.68E-03	2.42E-06	3.20E-07	6.92E-04	2.19E-07	2.88E-08	7.17E-04	2.26E-07	2.99E-08	6.20E-07	3.21E-07
1565 495261.06, 3858651.99	1.48E-02	4.66E-06	6.15E-07	7.63E-03	2.41E-06	3.18E-07	6.89E-04	2.18E-07	2.87E-08	7.13E-04	2.25E-07	2.97E-08	6.16E-07	3.19E-07
1566 495311.06, 3858651.99	1.46E-02	4.60E-06	6.08E-07	7.54E-03	2.38E-06	3.14E-07	6.86E-04	2.17E-07	2.86E-08	7.10E-04	2.24E-07	2.96E-08	6.09E-07	3.15E-07
1567 495361.06, 3858651.99	1.45E-02	4.58E-06	6.04E-07	7.50E-03	2.37E-06	3.12E-07	6.83E-04	2.16E-07	2.85E-08	7.07E-04	2.23E-07	2.94E-08	6.05E-07	3.13E-07
1568 495411.06, 3858651.99	1.44E-02	4.56E-06	6.01E-07	7.47E-03	2.36E-06	3.11E-07	6.81E-04	2.15E-07	2.84E-08	7.05E-04	2.23E-07	2.94E-08	6.02E-07	3.12E-07
1569 495461.06, 3858651.99	1.44E-02	4.54E-06	5.99E-07	7.44E-03	2.35E-06	3.10E-07	6.80E-04	2.15E-07	2.83E-08	7.04E-04	2.22E-07	2.93E-08	6.00E-07	3.11E-07
1570 495511.06, 3858651.99	1.43E-02	4.50E-06	5.94E-07	7.38E-03	2.33E-06	3.07E-07	6.75E-04	2.13E-07	2.81E-08	6.99E-04	2.20E-07	2.91E-08	5.95E-07	3.08E-07
1571 495561.06, 3858651.99	1.41E-02	4.47E-06	5.89E-07	7.32E-03	2.31E-06	3.05E-07	6.72E-04	2.12E-07	2.80E-08	6.95E-04	2.19E-07	2.90E-08	5.90E-07	3.06E-07
1572 495611.06, 3858651.99	1.40E-02	4.42E-06	5.84E-07	7.25E-03	2.29E-06	3.02E-07	6.67E-04	2.11E-07	2.78E-08	6.92E-04	2.18E-07	2.88E-08	5.85E-07	3.03E-07
1573 495661.06, 3858651.99	1.39E-02	4.40E-06	5.81E-07	7.22E-03	2.28E-06	3.01E-07	6.66E-04	2.10E-07	2.77E-08	6.89E-04	2.17E-07	2.87E-08	5.82E-07	3.02E-07
1574 494311.06, 3858701.99	1.74E-02	5.50E-06	7.26E-07	9.00E-03	2.84E-06	3.75E-07	7.90E-04	2.49E-07	3.29E-08	8.13E-04	2.57E-07	3.39E-08	7.27E-07	3.76E-07
1575 494361.06, 3858701.99	1.82E-02	5.74E-06	7.57E-07	9.37E-03	2.96E-06	3.90E-07	8.05E-04	2.54E-07	3.35E-08	8.32E-04	2.63E-07	3.47E-08	7.59E-07	3.91E-07
1576 494411.06, 3858701.99	1.85E-02	5.84E-06	7.70E-07	9.53E-03	3.01E-06	3.97E-07	8.15E-04	2.57E-07	3.39E-08	8.44E-04	2.66E-07	3.52E-08	7.72E-07	3.98E-07
1577 494461.06, 3858701.99	1.84E-02	5.81E-06	7.67E-07	9.48E-03	2.99E-06	3.95E-07	8.11E-04	2.56E-07	3.38E-08	8.41E-04	2.65E-07	3.50E-08	7.68E-07	3.96E-07
1578 494511.06, 3858701.99	1.83E-02	5.77E-06	7.61E-07	9.42E-03	2.97E-06	3.92E-07	8.11E-04	2.56E-07	3.38E-08	8.39E-04	2.65E-07	3.50E-08	7.62E-07	3.93E-07
1579 494561.06, 3858701.99	1.81E-02	5.72E-06	7.55E-07	9.34E-03	2.95E-06	3.89E-07	8.05E-04	2.54E-07	3.35E-08	8.34E-04	2.63E-07	3.47E-08	7.56E-07	3.90E-07
1580 494611.06, 3858701.99	1.78E-02	5.63E-06	7.43E-07	9.20E-03	2.90E-06	3.83E-07	7.96E-04	2.51E-07	3.32E-08	8.24E-04	2.60E-07	3.43E-08	7.44E-07	3.84E-07
1581 494661.06, 3858701.99	1.78E-02	5.60E-06	7.40E-07	9.15E-03	2.89E-06	3.81E-07	7.93E-04	2.50E-07	3.30E-08	8.21E-04	2.59E-07	3.42E-08	7.41E-07	3.83E-07
1582 494711.06, 3858701.99	1.72E-02	5.43E-06	7.17E-07	8.88E-03	2.80E-06	3.70E-07	7.74E-04	2.44E-07	3.22E-08	8.01E-04	2.53E-07	3.34E-08	7.18E-07	3.71E-07
1583 494761.06, 3858701.99	1.72E-02	5.44E-06	7.19E-07	8.90E-03	2.81E-06	3.71E-07	7.75E-04	2.45E-07	3.23E-08	8.03E-04	2.53E-07	3.35E-08	7.20E-07	3.72E-07
1584 494811.06, 3858701.99	1.70E-02	5.36E-06	7.07E-07	8.76E-03	2.76E-06	3.65E-07	7.66E-04	2.42E-07	3.19E-08	7.92E-04	2.50E-07	3.30E-08	7.08E-07	3.66E-07
1585 494861.06, 3858701.99	1.67E-02	5.28E-06	6.97E-07	8.63E-03	2.72E-06	3.60E-07	7.58E-04	2.39E-07	3.16E-08	7.85E-04	2.48E-07	3.27E-08	6.98E-07	3.61E-07
1586 494911.06, 3858701.99	1.65E-02	5.21E-06	6.88E-07	8.52E-03	2.69E-06	3.55E-07	7.52E-04	2.37E-07	3.13E-08	7.77E-04	2.45E-07	3.24E-08	6.89E-07	3.56E-07
1587 494961.06, 3858701.99	1.61E-02	5.09E-06	6.72E-07	8.33E-03	2.63E-06	3.47E-07	7.39E-04	2.33E-07	3.08E-08	7.66E-04	2.42E-07	3.19E-08	6.73E-07	3.48E-07
1588 495011.06, 3858701.99	1.59E-02	5.02E-06	6.62E-07	8.21E-03	2.59E-06	3.42E-07	7.32E-04	2.31E-07	3.05E-08	7.56E-04	2.39E-07	3.15E-08	6.63E-07	3.43E-07
1589 495061.06, 3858701.99	1.58E-02	4.97E-06	6.56E-07	8.14E-03	2.57E-06	3.39E-07	7.27E-04	2.29E-07	3.03E-08	7.52E-04	2.37E-07	3.13E-08	6.57E-07	3.40E-07
1590 495111.06, 3858701.99	1.55E-02	4.88E-06	6.44E-07	7.98E-03	2.52E-06	3.33E-07	7.17E-04	2.26E-07	2.99E-08	7.43E-04	2.34E-07	3.09E-08	6.45E-07	3.34E-07
1591 495161.06, 3858701.99	1.53E-02	4.83E-06	6.37E-07	7.90E-03	2.49E-06	3.29E-07	7.13E-04	2.25E-07	2.97E-08	7.36E-04	2.32E-07	3.07E-08	6.38E-07	3.30E-07
1592 495211.06, 3858701.99	1.51E-02	4.76E-06	6.28E-07	7.80E-03	2.46E-06	3.25E-07	7.06E-04	2.23E-07	2.94E-08	7.30E-04	2.30E-07	3.04E-08	6.29E-07	3.26E-07
1593 495261.06, 3858701.99	1.50E-02	4.73E-06	6.25E-07	7.75E-03	2.45E-06	3.23E-07	7.03E-04	2.22E-07	2.93E-08	7.28E-04	2.30E-07	3.03E-08	6.26E-07	3.24E-07
1594 495311.06, 3858701.99	1.49E-02	4.71E-06	6.21E-07	7.71E-03	2.43E-06	3.21E-07	7.00E-04	2.21E-07	2.92E-08	7.25E-04	2.29E-07	3.02E-08	6.22E-07	3.22E-07

1595	495361.06, 3858701.99	1.48E-02	4.67E-06	6.17E-07	7.66E-03	2.42E-06	3.19E-07	6.97E-04	2.20E-07	2.90E-08	7.21E-04	2.28E-07	3.01E-08	6.18E-07	3.20E-07
1596	495411.06, 3858701.99	1.48E-02	4.66E-06	6.15E-07	7.63E-03	2.41E-06	3.18E-07	6.96E-04	2.20E-07	2.90E-08	7.20E-04	2.27E-07	3.00E-08	6.16E-07	3.19E-07
1597	495461.06, 3858701.99	1.47E-02	4.63E-06	6.11E-07	7.59E-03	2.40E-06	3.16E-07	6.92E-04	2.19E-07	2.88E-08	7.17E-04	2.26E-07	2.99E-08	6.12E-07	3.17E-07
1598	495511.06, 3858701.99	1.46E-02	4.60E-06	6.07E-07	7.53E-03	2.38E-06	3.14E-07	6.88E-04	2.17E-07	2.87E-08	7.13E-04	2.25E-07	2.97E-08	6.08E-07	3.15E-07
1599	495561.06, 3858701.99	1.44E-02	4.55E-06	6.01E-07	7.46E-03	2.36E-06	3.11E-07	6.85E-04	2.16E-07	2.85E-08	7.08E-04	2.24E-07	2.95E-08	6.02E-07	3.12E-07
1600	495611.06, 3858701.99	1.43E-02	4.51E-06	5.96E-07	7.40E-03	2.34E-06	3.08E-07	6.80E-04	2.15E-07	2.83E-08	7.05E-04	2.23E-07	2.94E-08	5.97E-07	3.09E-07
1601	495661.06, 3858701.99	1.42E-02	4.49E-06	5.92E-07	7.36E-03	2.32E-06	3.06E-07	6.77E-04	2.14E-07	2.82E-08	7.02E-04	2.22E-07	2.92E-08	5.93E-07	3.07E-07
1602	494311.06, 3858751.99	1.78E-02	5.62E-06	7.42E-07	9.19E-03	2.90E-06	3.83E-07	8.07E-04	2.55E-07	3.36E-08	8.32E-04	2.63E-07	3.47E-08	7.43E-07	3.84E-07
1603	494361.06, 3858751.99	1.86E-02	5.86E-06	7.73E-07	9.57E-03	3.02E-06	3.99E-07	8.29E-04	2.62E-07	3.45E-08	8.57E-04	2.70E-07	3.57E-08	7.74E-07	4.00E-07
1604	494411.06, 3858751.99	1.87E-02	5.91E-06	7.81E-07	9.66E-03	3.05E-06	4.03E-07	8.37E-04	2.64E-07	3.49E-08	8.65E-04	2.73E-07	3.60E-08	7.82E-07	4.04E-07
1605	494461.06, 3858751.99	1.86E-02	5.88E-06	7.77E-07	9.61E-03	3.03E-06	4.00E-07	8.32E-04	2.63E-07	3.47E-08	8.62E-04	2.72E-07	3.59E-08	7.78E-07	4.02E-07
1606	494511.06, 3858751.99	1.85E-02	5.85E-06	7.72E-07	9.56E-03	3.02E-06	3.98E-07	8.33E-04	2.63E-07	3.47E-08	8.62E-04	2.72E-07	3.59E-08	7.73E-07	3.99E-07
1607	494561.06, 3858751.99	1.84E-02	5.79E-06	7.65E-07	9.47E-03	2.99E-06	3.94E-07	8.22E-04	2.60E-07	3.43E-08	8.52E-04	2.69E-07	3.55E-08	7.66E-07	3.96E-07
1608	494611.06, 3858751.99	1.81E-02	5.72E-06	7.55E-07	9.34E-03	2.95E-06	3.89E-07	8.15E-04	2.57E-07	3.39E-08	8.44E-04	2.66E-07	3.52E-08	7.56E-07	3.90E-07
1609	494661.06, 3858751.99	1.80E-02	5.67E-06	7.48E-07	9.26E-03	2.92E-06	3.86E-07	8.07E-04	2.55E-07	3.36E-08	8.36E-04	2.64E-07	3.48E-08	7.49E-07	3.87E-07
1610	494711.06, 3858751.99	1.76E-02	5.57E-06	7.35E-07	9.10E-03	2.87E-06	3.79E-07	7.96E-04	2.51E-07	3.32E-08	8.24E-04	2.60E-07	3.43E-08	7.36E-07	3.80E-07
1611	494761.06, 3858751.99	1.75E-02	5.51E-06	7.27E-07	9.01E-03	2.84E-06	3.75E-07	7.93E-04	2.50E-07	3.30E-08	8.19E-04	2.59E-07	3.41E-08	7.28E-07	3.76E-07
1612	494811.06, 3858751.99	1.72E-02	5.42E-06	7.15E-07	8.86E-03	2.80E-06	3.69E-07	7.82E-04	2.47E-07	3.26E-08	8.10E-04	2.56E-07	3.37E-08	7.16E-07	3.70E-07
1613	494861.06, 3858751.99	1.69E-02	5.34E-06	7.04E-07	8.73E-03	2.75E-06	3.64E-07	7.72E-04	2.44E-07	3.22E-08	8.00E-04	2.52E-07	3.33E-08	7.05E-07	3.65E-07
1614	494911.06, 3858751.99	1.66E-02	5.24E-06	6.92E-07	8.57E-03	2.71E-06	3.57E-07	7.63E-04	2.41E-07	3.18E-08	7.88E-04	2.49E-07	3.28E-08	6.93E-07	3.58E-07
1615	494961.06, 3858751.99	1.64E-02	5.17E-06	6.82E-07	8.46E-03	2.67E-06	3.52E-07	7.55E-04	2.38E-07	3.15E-08	7.82E-04	2.47E-07	3.26E-08	6.83E-07	3.53E-07
1616	495011.06, 3858751.99	1.62E-02	5.11E-06	6.75E-07	8.37E-03	2.64E-06	3.49E-07	7.49E-04	2.36E-07	3.12E-08	7.75E-04	2.45E-07	3.23E-08	6.76E-07	3.50E-07
1617	495061.06, 3858751.99	1.60E-02	5.04E-06	6.65E-07	8.25E-03	2.60E-06	3.44E-07	7.41E-04	2.34E-07	3.09E-08	7.67E-04	2.42E-07	3.20E-08	6.66E-07	3.45E-07
1618	495111.06, 3858751.99	1.57E-02	4.95E-06	6.54E-07	8.11E-03	2.56E-06	3.38E-07	7.33E-04	2.31E-07	3.05E-08	7.59E-04	2.40E-07	3.16E-08	6.55E-07	3.39E-07
1619	495161.06, 3858751.99	1.55E-02	4.90E-06	6.47E-07	8.03E-03	2.53E-06	3.34E-07	7.27E-04	2.29E-07	3.03E-08	7.52E-04	2.37E-07	3.13E-08	6.48E-07	3.35E-07
1620	495211.06, 3858751.99	1.53E-02	4.83E-06	6.38E-07	7.92E-03	2.50E-06	3.30E-07	7.21E-04	2.27E-07	3.00E-08	7.46E-04	2.35E-07	3.11E-08	6.39E-07	3.31E-07
1621	495261.06, 3858751.99	1.52E-02	4.80E-06	6.34E-07	7.87E-03	2.48E-06	3.28E-07	7.17E-04	2.26E-07	2.99E-08	7.43E-04	2.34E-07	3.09E-08	6.35E-07	3.29E-07
1622	495311.06, 3858751.99	1.51E-02	4.78E-06	6.31E-07	7.83E-03	2.47E-06	3.26E-07	7.14E-04	2.25E-07	2.98E-08	7.39E-04	2.33E-07	3.08E-08	6.32E-07	3.27E-07
1623	495361.06, 3858751.99	1.50E-02	4.75E-06	6.27E-07	7.78E-03	2.46E-06	3.24E-07	7.11E-04	2.24E-07	2.96E-08	7.36E-04	2.32E-07	3.07E-08	6.28E-07	3.25E-07
1624	495411.06, 3858751.99	1.50E-02	4.73E-06	6.24E-07	7.75E-03	2.45E-06	3.23E-07	7.10E-04	2.24E-07	2.96E-08	7.35E-04	2.32E-07	3.06E-08	6.26E-07	3.24E-07
1625	495461.06, 3858751.99	1.49E-02	4.71E-06	6.21E-07	7.71E-03	2.43E-06	3.21E-07	7.06E-04	2.23E-07	2.94E-08	7.31E-04	2.31E-07	3.05E-08	6.22E-07	3.22E-07
1626	495511.06, 3858751.99	1.48E-02	4.67E-06	6.16E-07	7.65E-03	2.41E-06	3.19E-07	7.02E-04	2.21E-07	2.92E-08	7.28E-04	2.30E-07	3.03E-08	6.17E-07	3.20E-07
1627	495561.06, 3858751.99	1.47E-02	4.63E-06	6.11E-07	7.59E-03	2.39E-06	3.16E-07	6.97E-04	2.20E-07	2.90E-08	7.23E-04	2.28E-07	3.01E-08	6.12E-07	3.17E-07
1628	495611.06, 3858751.99	1.45E-02	4.59E-06	6.05E-07	7.52E-03	2.37E-06	3.13E-07	6.92E-04	2.19E-07	2.88E-08	7.18E-04	2.27E-07	2.99E-08	6.06E-07	3.14E-07
1629	495661.06, 3858751.99	1.44E-02	4.55E-06	6.01E-07	7.47E-03	2.36E-06	3.11E-07	6.89E-04	2.18E-07	2.87E-08	7.15E-04	2.26E-07	2.98E-08	6.02E-07	3.12E-07
1630	494311.06, 3858801.99	1.83E-02	5.77E-06	7.61E-07	9.43E-03	2.98E-06	3.93E-07	8.32E-04	2.63E-07	3.47E-08	8.59E-04	2.71E-07	3.58E-08	7.63E-07	3.94E-07
1631	494361.06, 3858801.99	1.88E-02	5.95E-06	7.85E-07	9.72E-03	3.07E-06	4.05E-07	8.52E-04	2.69E-07	3.55E-08	8.81E-04	2.78E-07	3.67E-08	7.86E-07	4.06E-07
1632	494411.06, 3858801.99	1.89E-02	5.96E-06	7.86E-07	9.74E-03	3.07E-06	4.06E-07	8.54E-04	2.69E-07	3.56E-08	8.83E-04	2.79E-07	3.68E-08	7.88E-07	4.07E-07
1633	494461.06, 3858801.99	1.88E-02	5.94E-06	7.84E-07	9.71E-03	3.07E-06	4.05E-07	8.54E-04	2.69E-07	3.56E-08	8.83E-04	2.79E-07	3.68E-08	7.85E-07	4.06E-07
1634	494511.06, 3858801.99	1.87E-02	5.91E-06	7.80E-07	9.67E-03	3.05E-06	4.03E-07	8.54E-04	2.69E-07	3.56E-08	8.85E-04	2.79E-07	3.69E-08	7.82E-07	4.04E-07
1635	494561.06, 3858801.99	1.86E-02	5.87E-06	7.75E-07	9.60E-03	3.03E-06	4.00E-07	8.49E-04	2.68E-07	3.54E-08	8.78E-04	2.77E-07	3.66E-08	7.76E-07	4.01E-07
1636	494611.06, 3858801.99	1.84E-02	5.81E-06	7.67E-07	9.51E-03	3.00E-06	3.96E-07	8.41E-04	2.66E-07	3.50E-08	8.72E-04	2.75E-07	3.63E-08	7.69E-07	3.97E-07
1637	494661.06, 3858801.99	1.82E-02	5.74E-06	7.57E-07	9.38E-03	2.96E-06	3.91E-07	8.32E-04	2.63E-07	3.47E-08	8.60E-04	2.71E-07	3.58E-08	7.58E-07	3.92E-07
1638	494711.06, 3858801.99	1.79E-02	5.65E-06	7.46E-07	9.25E-03	2.92E-06	3.85E-07	8.21E-04	2.59E-07	3.42E-08	8.50E-04	2.68E-07	3.54E-08	7.47E-07	3.87E-07
1639	494761.06, 3858801.99	1.76E-02	5.56E-06	7.33E-07	9.09E-03	2.87E-06	3.79E-07	8.08E-04	2.55E-07	3.37E-08	8.37E-04	2.64E-07	3.49E-08	7.35E-07	3.80E-07
1640	494811.06, 3858801.99	1.73E-02	5.46E-06	7.20E-07	8.93E-03	2.82E-06	3.72E-07	7.96E-04	2.51E-07	3.32E-08	8.24E-04	2.60E-07	3.43E-08	7.21E-07	3.73E-07
1641	494861.06, 3858801.99	1.71E-02	5.39E-06	7.12E-07	8.82E-03	2.78E-06	3.68E-07	7.88E-04	2.49E-07	3.28E-08	8.16E-04	2.58E-07	3.40E-08	7.13E-07	3.69E-07
1642	494911.06, 3858801.99	1.68E-02	5.30E-06	7.00E-07	8.68E-03	2.74E-06	3.62E-07	7.79E-04	2.46E-07	3.24E-08	8.06E-04	2.54E-07	3.36E-08	7.01E-07	3.63E-07
1643	494961.06, 3858801.99	1.66E-02	5.24E-06	6.91E-07	8.57E-03	2.71E-06	3.57E-07	7.71E-04	2.43E-07	3.21E-08	7.98E-04	2.52E-07	3.33E-08	6.92E-07	3.58E-07
1644	495011.06, 3858801.99	1.63E-02	5.16E-06	6.81E-07	8.45E-03	2.67E-06	3.52E-07	7.63E-04	2.41E-07	3.18E-08	7.90E-04	2.49E-07	3.29E-08	6.82E-07	3.53E-07
1645	495061.06, 3858801.99	1.62E-02	5.11E-06	6.74E-07	8.36E-03	2.64E-06	3.48E-07	7.57E-04	2.39E-07	3.15E-08	7.83E-04	2.47E-07	3.26E-08	6.75E-07	3.50E-07
1646	495111.06, 3858801.99	1.59E-02	5.02E-06	6.62E-07	8.22E-03	2.59E-06	3.42E-07	7.47E-04	2.36E-07	3.11E-08	7.74E-04	2.44E-07	3.22E-08	6.63E-07	3.43E-07
1647	495161.06, 3858801.99	1.57E-02	4.95E-06	6.53E-07	8.11E-03	2.56E-06	3.38E-07	7.39E-04	2.33E-07	3.08E-08	7.66E-04	2.42E-07	3.19E-08	6.54E-07	3.39E-07
1648	495211.06, 3858801.99	1.55E-02	4.90E-06	6.47E-07	8.03E-03	2.53E-06	3.35E-07	7.35E-04	2.32E-07	3.06E-08	7.61E-04	2.40E-07	3.17E-08	6.48E-07	3.36E-07
1649	495261.06, 3858801.99	1.54E-02	4.87E-06	6.43E-07	7.99E-03	2.52E-06	3.33E-07	7.32E-04	2.31E-07	3.05E-08	7.57E-04	2.39E-07	3.16E-08	6.44E-07	3.34E-07
1650	495311.06, 3858801.99	1.54E-02	4.85E-06	6.40E-07	7.95E-03	2.51E-06	3.31E-07	7.28E-04	2.30E-07	3.03E-08	7.54E-04	2.38E-07	3.14E-08	6.41E-07	3.32E-07
1651	495361.06, 3858801.99	1.53E-02	4.82E-06	6.36E-07	7.90E-03	2.49E-06	3.29E-07	7.25E-04	2.29E-07	3.02E-08	7.51E-04	2.37E-07	3.13E-08	6.37E-07	3.30E-07
1652	495411.06, 3858801.99	1.52E-02	4.81E-06	6.35E-07	7.89E-03	2.49E-06	3.29E-07	7.24E-04	2.28E-07	3.02E-08	7.51E-04	2.37E-07	3.13E-08	6.36E-07	3.30E-07
1653	495461.06, 3858801.99	1.51E-02	4.78E-06	6.31E-07	7.83E-03	2.47E-06	3.26E-07	7.21E-04	2.27E-07	3.00E-08	7.46E-04	2.35E-07	3.11E-08	6.32E-07	3.27E-07
1654	495511.06, 3858801.99	1.50E-02	4.74E-06	6.25E-07	7.76E-03	2.45E-06	3.23E-07	7.16E-04	2.26E-07	2.98E-08	7.43E-04	2.34E-07	3.09E-08	6.26E-07	3.25E-07
1655	495561.06, 3858801.99	1.49E-02	4.70E-06	6.21E-07	7.71E-03	2.43E-06	3.21E-07	7.13E-04	2.25E-07	2.97E-08	7.38E-04	2.33E-07	3.07E-08	6.22E-07	3.22E-07
1656	495611.06, 3858801.99	1.48E-02	4.66E-06	6.15E-07	7.64E-03	2.41E-06	3.18E-07	7.06E-04	2.23E-07	2.94E-08	7.33E-04	2.31E-07	3.05E-08	6.16E-07	3.19E-07
1657	495661.06, 3858801.99	1.47E-02	4.63E-06	6.11E-07	7.59E-03	2.40E-06	3.16E-07	7.03E-04	2.22E-07	2.93E-08	7.30E-04	2.30E-07	3.04E-08	6.12E-07	3.17E-07
1658	494311.06, 3858851.99	1.91E-02	6.01E-06	7.94E-07	9.84E-03	3.11E-06	4.10E-07	8.73E-04	2.75E-07	3.64E-08	9.03E-04	2.85E-07	3.76E-08	7.95E-07	4.11E-07
1659	494361.06, 3858851.99	1.92E-02	6.07E-06	8.02E-07	9.94E-03	3.14E-06	4.14E-07	8.84E-04	2.79E-07	3.68E-08	9.14E-04	2.88E-07	3.81E-08	8.03E-07	4.15E-07
1660	494411.06, 3858851.99	1.91E-02	6.03E-06	7.96E-07	9.87E-03	3.11E-06	4.11E-07	8.79E-04	2.77E-07	3.66E-08	9.09E-04	2.87E-07	3.79E-08	7.97E-07	4.12E-07
1661	494461.06, 3858851.99	1.90E-02	6.00E-06	7.92E-07	9.82E-03	3.10E-06	4.09E-07	8.76E-04	2.76E-07	3.65E-08	9.06E-04	2.86E-07	3.77E-08	7.93E-07	4.10E-07
1662	494511.06, 3858851.99	1.89E-02	5.96E-06	7.86E-07	9.75E-03	3.08E-06	4.06E-07	8.76E-04	2.76E-07	3.65E-08	9.06E-04	2.86E-07	3.77E-08	7.88E-07	4.08E-07
1663	494561.06, 3858851.99	1.87E-02	5.91E-06	7.80E-07	9.67E-03	3.05E-06	4.03E-07	8.69E-04	2.74E-07	3.62E-08	8.99E-04	2.84E-07	3.75E-08	7.81E-07	4.04E-07
1664	494611.06, 3858851.99	1.85E-02	5.85E-06	7.72E-07	9.58E-03	3.02E-06	3.99E-07	8.60E-04	2.71E-07	3.58E-08	8.91E-04	2.81E-07	3.71E-08	7.73E-07	4.00E-07
1665	494661.06, 3858851.99	1.83E-02	5.78E-06	7.63E-07	9.46E-03	2.99E-06	3.94E-07	8.51E-04	2.68E-07	3.54E-08	8.80E-04	2.78E-07	3.67E-08	7.64E-07	3.95E-07
1666	494711.06, 3858851.99	1.80E-02	5.69E-06	7.51E-07	9.31E-03	2.94E-06	3.88E-07	8.37E-04	2.64E-07	3.49E-08	8.67E-04	2.74E-07	3.61E-08	7.52E-07	3.89E-07
1667	494761.06, 3858851.99	1.77E-02	5.60E-06	7.39E-07	9.16E-03	2.89E-06	3.82E-07	8.24E-04	2.60E-07	3.43E-08	8.54E-04	2.69E-07	3.56E-08	7.40E-07	3.83E-07
1668	494811.06, 3858851.99	1.75E-02	5.51E-06	7.28E-07	9.03E-03	2.85E-06	3.76E-07	8.15E-04	2.57E-07	3.39E-08	8.44E-04	2.66E-07	3.52E-08	7.29E-07	3.77E-07
1669	494861.06, 3858851.99	1.73E-02	5.46E-06	7.20E-07	8.93E-03	2.82E-06	3.72E-07	8.07E-04	2.55E-07	3.36E-08	8.36E-04	2.64E-07	3.48E-08	7.21E-07	3.73E-07
1670	494911.06, 3858851.99	1.70E-02	5.38E-06	7.10E-07	8.81E-03	2.78E-06	3.67E-07	7.96E-04	2.51E-07	3.32E-08	8.24E-04	2.60E-07	3.43E-08	7.11E-07	3.68E-07
1671	494961.06, 3858851.99	1.68E-02	5.30E-06	7.00E-07	8.69E-03	2.74E-06	3.62E-07	7.88E-04	2.49E-07	3.28E-08	8.16E-04	2.58E-07	3.40E-08	7.01E-07	3.63E-07
1672	495011.06, 3858851.99	1.66E-02	5.24E-06	6.92E-07	8.59E-03	2.71E-06	3.58E-07	7.80E-04	2.46E-07	3.25E-08	8.08E-04	2.55E-07	3.37E-08	6.93E-07	3.59E-07
1673	495061.06, 3858851.99	1.64E-02	5.17E-06	6.82E-07	8.47E-03	2.67E-06	3.53E-07	7.72E-04	2.44E-07	3.22E-08	8.00E-04	2.52E-07	3.33E-08	6.83E-07	3.54E-07
1674	495111.06, 3858851.99	1.60E-02	5.06E-06	6.67E-07	8.29E-03	2.62E-06	3.45E-07	7.60E-04	2.40E-07	3.17E-08	7.87E-04	2.48E-07	3.28E-08	6.68E-07	3.46E-07
1675	495161.06, 3858851.99	1.58E-02	4.99E-06	6.58E-07	8.18E-03	2.58E-06	3.41E-07	7.52E-04	2.37E-07	3.13E-08	7.79E-04	2.46E-07	3.24E-08	6.60E-07	3.42E-07
1676	495211.06, 3858851.99	1.58E-02	4.97E-06	6.56E-07	8.15E-03	2.57E-06	3.40E-07	7.50E-04	2.37E-07	3.13E-08	7.77E-04	2.45E-07	3.24E-08	6.57E-07	3.41E-07
1677	495261.06, 3858851.99	1.57E-02	4.94E-06	6.52E-07	8.11E-03	2.56E-06	3.38E-07	7.47E-04	2.36E-07	3.11E-08	7.74E-04	2.44E-07	3.22E-08	6.54E-07	3.39E-07
1678	495311.06, 3858851.99	1.56E-02	4.92E-06	6.50E-07	8.07E-03	2.55E-06	3.36E-07	7.44E-04	2.35E-07	3.10E-08	7.70E-04	2.43E-07	3.21E-08	6.51E-07	3.37E-07
1679	495361.06, 3858851.99	1.55E-02	4.90E-06	6.46E-07	8.03E-03	2.53E-06	3.35E-07	7.41E-04	2.34E-07	3.09E-08	7.67E-04	2.42E-07	3.20E-08	6.48E-07	3.36E-07
1680	495411.06, 3858851.99	1.54E-02	4.87E-06	6.43E-07	7.98E-03	2.52E-06	3.33E-07	7.38E-04	2.33E-07	3.07E-08	7.64E-04	2.41E-07	3.18E-08	6.44E-07	3.34E-07
1681	495461.06, 3858851.99	1.53E-02	4.84E-06	6.39E-07	7.95E-03	2.51E-06	3.31E-07	7.35E-04	2.32E-07	3.06E-08	7.62E-04	2.41E-07	3.18E-08	6.41E-07	3.32E-07
1682	495511.06, 3858851.99	1.53E-02	4.82E-06	6.37E-07	7.91E-03	2.50E-06	3.30E-07	7.30E-04	2.30E-07	3.04E-08	7.57E-04	2.39E-07	3.16E-08	6.38E-07	3.31E-07
1683	495561.06, 3858851.99	1.51E-02	4.76E-06	6.28E-07	7.80E-03	2.46E-06	3.25E-07	7.25E-04	2.29E-07	3.02E-08	7.51E-04	2.37E-07	3.13E-08	6.29E-07	3.26E-07
1684	495611.06, 3858851.99	1.49E-02	4.71E-06	6.22E-07	7.73E-03	2.44E-06	3.22E-07	7.19E-04	2.27E-07	3.00E-08	7.46E-04	2.35E-07	3.11E-08	6.23E-07	3.23E-07
1685	495661.06, 3858851.99	1.49E-02	4.69E-06	6.19E-07	7.70E-03	2.43E-06	3.21E-07	7.16E-04	2.26E-07	2.98E-08	7.43E-04	2.34E-07	3.09E-08	6.20E-07	3.22E-07
1686	494311.06, 3858901.99	1.93E-02	6.10E-06	8.05E-07	9.99E-03	3.15E-06	4.16E-07	9.01E-04	2.84E-07	3.75E-08	9.30E-04	2.94E-07	3.88E-08	8.07E-07	4.17E-07
1687	494361.06, 3858901.99	1.94E-02	6.12E-06	8.08E-07	1.00E-02	3.17E-06	4.18E-07	9.07E-04	2.86E-07	3.78E-08	9.39E-04	2.96E-07	3.91E-08	8.10E-07	4.19E-07
1688	494411.06, 3858901.99	1.93E-02	6.09E-06	8.04E-07	9.98E-03	3.15E-06	4.16E-07	9.04E-04	2.85E-07	3.77E-08	9.35E-04	2.95E-07	3.90E-08	8.05E-07	4.17E-07

1689	494461.06, 3858901.99	1.92E-02	6.05E-06	7.99E-07	9.92E-03	3.13E-06	4.13E-07	9.05E-04	2.86E-07	3.77E-08	9.35E-04	2.95E-07	3.90E-08	8.00E-07	4.15E-07
1690	494511.06, 3858901.99	1.91E-02	6.01E-06	7.94E-07	9.86E-03	3.11E-06	4.11E-07	9.01E-04	2.84E-07	3.75E-08	9.32E-04	2.94E-07	3.88E-08	7.95E-07	4.12E-07
1691	494561.06, 3858901.99	1.89E-02	5.95E-06	7.86E-07	9.76E-03	3.08E-06	4.07E-07	8.91E-04	2.81E-07	3.71E-08	9.22E-04	2.91E-07	3.84E-08	7.87E-07	4.08E-07
1692	494611.06, 3858901.99	1.86E-02	5.87E-06	7.75E-07	9.62E-03	3.04E-06	4.01E-07	8.77E-04	2.77E-07	3.65E-08	9.09E-04	2.87E-07	3.79E-08	7.76E-07	4.02E-07
1693	494661.06, 3858901.99	1.84E-02	5.81E-06	7.67E-07	9.53E-03	3.01E-06	3.97E-07	8.69E-04	2.74E-07	3.62E-08	8.99E-04	2.84E-07	3.75E-08	7.69E-07	3.98E-07
1694	494711.06, 3858901.99	1.82E-02	5.73E-06	7.56E-07	9.39E-03	2.96E-06	3.91E-07	8.57E-04	2.70E-07	3.57E-08	8.86E-04	2.80E-07	3.69E-08	7.58E-07	3.92E-07
1695	494761.06, 3858901.99	1.79E-02	5.64E-06	7.44E-07	9.24E-03	2.92E-06	3.85E-07	8.43E-04	2.66E-07	3.51E-08	8.72E-04	2.75E-07	3.63E-08	7.46E-07	3.86E-07
1696	494811.06, 3858901.99	1.77E-02	5.57E-06	7.35E-07	9.13E-03	2.88E-06	3.80E-07	8.33E-04	2.63E-07	3.47E-08	8.62E-04	2.72E-07	3.59E-08	7.37E-07	3.82E-07
1697	494861.06, 3858901.99	1.75E-02	5.51E-06	7.28E-07	9.03E-03	2.85E-06	3.76E-07	8.26E-04	2.61E-07	3.44E-08	8.55E-04	2.70E-07	3.56E-08	7.29E-07	3.78E-07
1698	494911.06, 3858901.99	1.72E-02	5.41E-06	7.15E-07	8.87E-03	2.80E-06	3.70E-07	8.11E-04	2.56E-07	3.38E-08	8.41E-04	2.65E-07	3.50E-08	7.16E-07	3.71E-07
1699	494961.06, 3858901.99	1.70E-02	5.35E-06	7.06E-07	8.77E-03	2.77E-06	3.65E-07	8.04E-04	2.54E-07	3.35E-08	8.32E-04	2.63E-07	3.47E-08	7.08E-07	3.67E-07
1700	495011.06, 3858901.99	1.67E-02	5.28E-06	6.98E-07	8.66E-03	2.73E-06	3.61E-07	7.96E-04	2.51E-07	3.32E-08	8.24E-04	2.60E-07	3.43E-08	6.99E-07	3.62E-07
1701	495061.06, 3858901.99	1.65E-02	5.20E-06	6.87E-07	8.53E-03	2.69E-06	3.55E-07	7.85E-04	2.48E-07	3.27E-08	8.13E-04	2.57E-07	3.39E-08	6.88E-07	3.57E-07
1702	495111.06, 3858901.99	1.61E-02	5.09E-06	6.72E-07	8.35E-03	2.63E-06	3.48E-07	7.72E-04	2.44E-07	3.22E-08	8.00E-04	2.52E-07	3.33E-08	6.73E-07	3.49E-07
1703	495161.06, 3858901.99	1.60E-02	5.04E-06	6.65E-07	8.27E-03	2.61E-06	3.45E-07	7.66E-04	2.42E-07	3.19E-08	7.93E-04	2.50E-07	3.30E-08	6.67E-07	3.46E-07
1704	495211.06, 3858901.99	1.60E-02	5.04E-06	6.65E-07	8.27E-03	2.61E-06	3.44E-07	7.66E-04	2.42E-07	3.19E-08	7.93E-04	2.50E-07	3.30E-08	6.66E-07	3.46E-07
1705	495261.06, 3858901.99	1.59E-02	5.02E-06	6.62E-07	8.23E-03	2.60E-06	3.43E-07	7.63E-04	2.41E-07	3.18E-08	7.90E-04	2.49E-07	3.29E-08	6.63E-07	3.44E-07
1706	495311.06, 3858901.99	1.58E-02	4.99E-06	6.58E-07	8.18E-03	2.58E-06	3.41E-07	7.58E-04	2.39E-07	3.16E-08	7.87E-04	2.48E-07	3.28E-08	6.59E-07	3.42E-07
1707	495361.06, 3858901.99	1.57E-02	4.96E-06	6.54E-07	8.13E-03	2.57E-06	3.39E-07	7.55E-04	2.38E-07	3.15E-08	7.82E-04	2.47E-07	3.26E-08	6.56E-07	3.40E-07
1708	495411.06, 3858901.99	1.57E-02	4.94E-06	6.52E-07	8.10E-03	2.56E-06	3.38E-07	7.53E-04	2.38E-07	3.14E-08	7.80E-04	2.46E-07	3.25E-08	6.53E-07	3.39E-07
1709	495461.06, 3858901.99	1.55E-02	4.91E-06	6.48E-07	8.05E-03	2.54E-06	3.35E-07	7.49E-04	2.36E-07	3.12E-08	7.77E-04	2.45E-07	3.24E-08	6.49E-07	3.37E-07
1710	495511.06, 3858901.99	1.54E-02	4.86E-06	6.42E-07	7.98E-03	2.52E-06	3.32E-07	7.44E-04	2.35E-07	3.10E-08	7.70E-04	2.43E-07	3.21E-08	6.43E-07	3.33E-07
1711	495561.06, 3858901.99	1.53E-02	4.82E-06	6.37E-07	7.92E-03	2.50E-06	3.30E-07	7.39E-04	2.33E-07	3.08E-08	7.66E-04	2.42E-07	3.19E-08	6.38E-07	3.31E-07
1712	495611.06, 3858901.99	1.51E-02	4.78E-06	6.31E-07	7.84E-03	2.47E-06	3.27E-07	7.33E-04	2.31E-07	3.05E-08	7.61E-04	2.40E-07	3.17E-08	6.32E-07	3.28E-07
1713	495661.06, 3858901.99	1.51E-02	4.77E-06	6.29E-07	7.82E-03	2.47E-06	3.26E-07	7.32E-04	2.31E-07	3.05E-08	7.57E-04	2.39E-07	3.16E-08	6.30E-07	3.27E-07
1714	494311.06, 3858951.99	1.96E-02	6.20E-06	8.18E-07	1.02E-02	3.21E-06	4.24E-07	9.35E-04	2.95E-07	3.90E-08	9.66E-04	3.05E-07	4.03E-08	8.20E-07	4.25E-07
1715	494361.06, 3858951.99	1.96E-02	6.18E-06	8.15E-07	1.01E-02	3.20E-06	4.22E-07	9.35E-04	2.95E-07	3.90E-08	9.66E-04	3.05E-07	4.03E-08	8.17E-07	4.23E-07
1716	494411.06, 3858951.99	1.94E-02	6.12E-06	8.08E-07	1.00E-02	3.17E-06	4.18E-07	9.27E-04	2.93E-07	3.86E-08	9.58E-04	3.02E-07	3.99E-08	8.10E-07	4.20E-07
1717	494461.06, 3858951.99	1.93E-02	6.09E-06	8.03E-07	9.99E-03	3.15E-06	4.16E-07	9.29E-04	2.93E-07	3.87E-08	9.60E-04	3.03E-07	4.00E-08	8.05E-07	4.17E-07
1718	494511.06, 3858951.99	1.91E-02	6.04E-06	7.98E-07	9.91E-03	3.13E-06	4.13E-07	9.23E-04	2.91E-07	3.84E-08	9.53E-04	3.01E-07	3.97E-08	7.99E-07	4.14E-07
1719	494561.06, 3858951.99	1.90E-02	5.98E-06	7.90E-07	9.82E-03	3.10E-06	4.09E-07	9.13E-04	2.88E-07	3.80E-08	9.43E-04	2.98E-07	3.93E-08	7.91E-07	4.10E-07
1720	494611.06, 3858951.99	1.87E-02	5.91E-06	7.80E-07	9.70E-03	3.06E-06	4.04E-07	9.01E-04	2.84E-07	3.75E-08	9.32E-04	2.94E-07	3.88E-08	7.82E-07	4.05E-07
1721	494661.06, 3858951.99	1.85E-02	5.84E-06	7.71E-07	9.58E-03	3.02E-06	3.99E-07	8.88E-04	2.80E-07	3.70E-08	9.19E-04	2.90E-07	3.83E-08	7.73E-07	4.01E-07
1722	494711.06, 3858951.99	1.82E-02	5.76E-06	7.60E-07	9.44E-03	2.98E-06	3.93E-07	8.74E-04	2.76E-07	3.64E-08	9.04E-04	2.85E-07	3.77E-08	7.61E-07	3.95E-07
1723	494761.06, 3858951.99	1.80E-02	5.68E-06	7.50E-07	9.32E-03	2.94E-06	3.88E-07	8.62E-04	2.72E-07	3.59E-08	8.93E-04	2.82E-07	3.72E-08	7.52E-07	3.90E-07
1724	494811.06, 3858951.99	1.78E-02	5.63E-06	7.43E-07	9.23E-03	2.91E-06	3.85E-07	8.54E-04	2.69E-07	3.56E-08	8.83E-04	2.79E-07	3.68E-08	7.44E-07	3.86E-07
1725	494861.06, 3858951.99	1.76E-02	5.56E-06	7.34E-07	9.13E-03	2.88E-06	3.80E-07	8.44E-04	2.66E-07	3.52E-08	8.75E-04	2.76E-07	3.64E-08	7.36E-07	3.81E-07
1726	494911.06, 3858951.99	1.74E-02	5.49E-06	7.24E-07	9.00E-03	2.84E-06	3.75E-07	8.33E-04	2.63E-07	3.47E-08	8.63E-04	2.73E-07	3.60E-08	7.26E-07	3.76E-07
1727	494961.06, 3858951.99	1.72E-02	5.44E-06	7.18E-07	8.92E-03	2.82E-06	3.72E-07	8.26E-04	2.61E-07	3.44E-08	8.55E-04	2.70E-07	3.56E-08	7.19E-07	3.73E-07
1728	495011.06, 3858951.99	1.69E-02	5.32E-06	7.03E-07	8.73E-03	2.76E-06	3.64E-07	8.10E-04	2.56E-07	3.37E-08	8.41E-04	2.65E-07	3.50E-08	7.04E-07	3.65E-07
1729	495061.06, 3858951.99	1.65E-02	5.21E-06	6.88E-07	8.56E-03	2.70E-06	3.56E-07	7.96E-04	2.51E-07	3.32E-08	8.24E-04	2.60E-07	3.43E-08	6.90E-07	3.58E-07
1730	495111.06, 3858951.99	1.62E-02	5.13E-06	6.77E-07	8.41E-03	2.65E-06	3.50E-07	7.85E-04	2.48E-07	3.27E-08	8.13E-04	2.57E-07	3.39E-08	6.78E-07	3.52E-07
1731	495161.06, 3858951.99	1.63E-02	5.14E-06	6.78E-07	8.43E-03	2.66E-06	3.51E-07	7.86E-04	2.48E-07	3.28E-08	8.15E-04	2.57E-07	3.39E-08	6.79E-07	3.52E-07
1732	495211.06, 3858951.99	1.62E-02	5.11E-06	6.75E-07	8.39E-03	2.65E-06	3.50E-07	7.83E-04	2.47E-07	3.26E-08	8.11E-04	2.56E-07	3.38E-08	6.76E-07	3.51E-07
1733	495261.06, 3858951.99	1.61E-02	5.09E-06	6.72E-07	8.35E-03	2.64E-06	3.48E-07	7.79E-04	2.46E-07	3.24E-08	8.08E-04	2.55E-07	3.37E-08	6.73E-07	3.49E-07
1734	495311.06, 3858951.99	1.60E-02	5.04E-06	6.65E-07	8.27E-03	2.61E-06	3.44E-07	7.72E-04	2.44E-07	3.22E-08	8.01E-04	2.53E-07	3.34E-08	6.66E-07	3.46E-07
1735	495361.06, 3858951.99	1.59E-02	5.02E-06	6.63E-07	8.24E-03	2.60E-06	3.43E-07	7.71E-04	2.43E-07	3.21E-08	7.98E-04	2.52E-07	3.33E-08	6.64E-07	3.44E-07
1736	495411.06, 3858951.99	1.59E-02	5.01E-06	6.61E-07	8.22E-03	2.59E-06	3.42E-07	7.68E-04	2.42E-07	3.20E-08	7.97E-04	2.51E-07	3.32E-08	6.62E-07	3.43E-07
1737	495461.06, 3858951.99	1.58E-02	4.97E-06	6.57E-07	8.17E-03	2.58E-06	3.40E-07	7.64E-04	2.41E-07	3.18E-08	7.93E-04	2.50E-07	3.30E-08	6.58E-07	3.41E-07
1738	495511.06, 3858951.99	1.57E-02	4.96E-06	6.54E-07	8.14E-03	2.57E-06	3.39E-07	7.61E-04	2.40E-07	3.17E-08	7.90E-04	2.49E-07	3.29E-08	6.56E-07	3.40E-07
1739	495561.06, 3858951.99	1.55E-02	4.89E-06	6.46E-07	8.03E-03	2.54E-06	3.35E-07	7.53E-04	2.38E-07	3.14E-08	7.82E-04	2.47E-07	3.26E-08	6.47E-07	3.36E-07
1740	495611.06, 3858951.99	1.54E-02	4.85E-06	6.41E-07	7.97E-03	2.51E-06	3.32E-07	7.47E-04	2.36E-07	3.11E-08	7.75E-04	2.45E-07	3.23E-08	6.42E-07	3.33E-07
1741	495661.06, 3858951.99	1.54E-02	4.85E-06	6.40E-07	7.96E-03	2.51E-06	3.32E-07	7.46E-04	2.35E-07	3.11E-08	7.74E-04	2.44E-07	3.22E-08	6.41E-07	3.33E-07
1742	494311.06, 3859001.99	1.98E-02	6.25E-06	8.24E-07	1.03E-02	3.24E-06	4.27E-07	9.67E-04	3.05E-07	4.03E-08	9.97E-04	3.15E-07	4.16E-08	8.26E-07	4.29E-07
1743	494361.06, 3859001.99	1.97E-02	6.21E-06	8.19E-07	1.02E-02	3.22E-06	4.25E-07	9.62E-04	3.04E-07	4.01E-08	9.92E-04	3.13E-07	4.13E-08	8.21E-07	4.26E-07
1744	494411.06, 3859001.99	1.95E-02	6.16E-06	8.13E-07	1.01E-02	3.19E-06	4.22E-07	9.60E-04	3.03E-07	4.00E-08	9.91E-04	3.13E-07	4.13E-08	8.14E-07	4.23E-07
1745	494461.06, 3859001.99	1.94E-02	6.11E-06	8.07E-07	1.00E-02	3.17E-06	4.18E-07	9.54E-04	3.01E-07	3.97E-08	9.84E-04	3.11E-07	4.10E-08	8.08E-07	4.20E-07
1746	494511.06, 3859001.99	1.92E-02	6.06E-06	8.00E-07	9.96E-03	3.14E-06	4.15E-07	9.46E-04	2.99E-07	3.94E-08	9.78E-04	3.09E-07	4.07E-08	8.02E-07	4.16E-07
1747	494561.06, 3859001.99	1.90E-02	6.00E-06	7.92E-07	9.86E-03	3.11E-06	4.11E-07	9.34E-04	2.95E-07	3.89E-08	9.65E-04	3.04E-07	4.02E-08	7.93E-07	4.12E-07
1748	494611.06, 3859001.99	1.88E-02	5.94E-06	7.84E-07	9.75E-03	3.08E-06	4.06E-07	9.23E-04	2.91E-07	3.84E-08	9.53E-04	3.01E-07	3.97E-08	7.85E-07	4.08E-07
1749	494661.06, 3859001.99	1.86E-02	5.87E-06	7.74E-07	9.63E-03	3.04E-06	4.01E-07	9.09E-04	2.87E-07	3.79E-08	9.39E-04	2.96E-07	3.91E-08	7.76E-07	4.03E-07
1750	494711.06, 3859001.99	1.83E-02	5.79E-06	7.64E-07	9.50E-03	3.00E-06	3.96E-07	8.93E-04	2.82E-07	3.72E-08	9.24E-04	2.92E-07	3.85E-08	7.65E-07	3.97E-07
1751	494761.06, 3859001.99	1.81E-02	5.73E-06	7.56E-07	9.40E-03	2.97E-06	3.92E-07	8.84E-04	2.79E-07	3.68E-08	9.14E-04	2.88E-07	3.81E-08	7.57E-07	3.93E-07
1752	494811.06, 3859001.99	1.80E-02	5.68E-06	7.50E-07	9.33E-03	2.94E-06	3.89E-07	8.76E-04	2.76E-07	3.65E-08	9.06E-04	2.86E-07	3.77E-08	7.51E-07	3.90E-07
1753	494861.06, 3859001.99	1.78E-02	5.62E-06	7.41E-07	9.22E-03	2.91E-06	3.84E-07	8.65E-04	2.73E-07	3.60E-08	8.94E-04	2.82E-07	3.73E-08	7.42E-07	3.85E-07
1754	494911.06, 3859001.99	1.76E-02	5.55E-06	7.33E-07	9.11E-03	2.88E-06	3.80E-07	8.54E-04	2.69E-07	3.56E-08	8.83E-04	2.79E-07	3.68E-08	7.34E-07	3.81E-07
1755	494961.06, 3859001.99	1.73E-02	5.48E-06	7.23E-07	8.99E-03	2.84E-06	3.74E-07	8.43E-04	2.66E-07	3.51E-08	8.72E-04	2.75E-07	3.63E-08	7.24E-07	3.76E-07
1756	495011.06, 3859001.99	1.68E-02	5.32E-06	7.02E-07	8.73E-03	2.75E-06	3.64E-07	8.18E-04	2.58E-07	3.41E-08	8.47E-04	2.67E-07	3.53E-08	7.03E-07	3.65E-07
1757	495061.06, 3859001.99	1.67E-02	5.27E-06	6.95E-07	8.65E-03	2.73E-06	3.60E-07	8.11E-04	2.56E-07	3.38E-08	8.41E-04	2.65E-07	3.50E-08	6.97E-07	3.62E-07
1758	495111.06, 3859001.99	1.64E-02	5.19E-06	6.84E-07	8.51E-03	2.69E-06	3.55E-07	8.00E-04	2.53E-07	3.33E-08	8.29E-04	2.62E-07	3.45E-08	6.86E-07	3.56E-07
1759	495161.06, 3859001.99	1.65E-02	5.22E-06	6.89E-07	8.57E-03	2.70E-06	3.57E-07	8.04E-04	2.54E-07	3.35E-08	8.32E-04	2.63E-07	3.47E-08	6.90E-07	3.58E-07
1760	495211.06, 3859001.99	1.64E-02	5.19E-06	6.85E-07	8.52E-03	2.69E-06	3.55E-07	7.99E-04	2.52E-07	3.33E-08	8.28E-04	2.61E-07	3.45E-08	6.86E-07	3.56E-07
1761	495261.06, 3859001.99	1.64E-02	5.17E-06	6.82E-07	8.48E-03	2.68E-06	3.53E-07	7.96E-04	2.51E-07	3.32E-08	8.26E-04	2.61E-07	3.44E-08	6.83E-07	3.55E-07
1762	495311.06, 3859001.99	1.63E-02	5.13E-06	6.77E-07	8.43E-03	2.66E-06	3.51E-07	7.91E-04	2.50E-07	3.30E-08	8.21E-04	2.59E-07	3.42E-08	6.79E-07	3.52E-07
1763	495361.06, 3859001.99	1.62E-02	5.11E-06	6.75E-07	8.39E-03	2.65E-06	3.50E-07	7.88E-04	2.49E-07	3.28E-08	8.18E-04	2.58E-07	3.41E-08	6.76E-07	3.51E-07
1764	495411.06, 3859001.99	1.61E-02	5.08E-06	6.71E-07	8.35E-03	2.63E-06	3.48E-07	7.85E-04	2.48E-07	3.27E-08	8.13E-04	2.57E-07	3.39E-08	6.72E-07	3.49E-07
1765	495461.06, 3859001.99	1.60E-02	5.06E-06	6.68E-07	8.31E-03	2.62E-06	3.46E-07	7.82E-04	2.47E-07	3.26E-08	8.10E-04	2.56E-07	3.37E-08	6.69E-07	3.47E-07
1766	495511.06, 3859001.99	1.59E-02	5.01E-06	6.61E-07	8.22E-03	2.59E-06	3.43E-07	7.74E-04	2.44E-07	3.22E-08	8.03E-04	2.53E-07	3.35E-08	6.62E-07	3.44E-07
1767	495561.06, 3859001.99	1.58E-02	4.97E-06	6.57E-07	8.17E-03	2.58E-06	3.40E-07	7.69E-04	2.43E-07	3.20E-08	7.98E-04	2.52E-07	3.33E-08	6.58E-07	3.41E-07
1768	495611.06, 3859001.99	1.57E-02	4.94E-06	6.53E-07	8.12E-03	2.56E-06	3.38E-07	7.63E-04	2.41E-07	3.18E-08	7.92E-04	2.50E-07	3.30E-08	6.54E-07	3.39E-07
1769	495661.06, 3859001.99	1.57E-02	4.96E-06	6.55E-07	8.14E-03	2.57E-06	3.39E-07	7.63E-04	2.41E-07	3.18E-08	7.92E-04	2.50E-07	3.30E-08	6.56E-07	3.40E-07
1770	494311.06, 3859051.99	1.99E-02	6.27E-06	8.27E-07	1.03E-02	3.25E-06	4.30E-07	9.96E-04	3.14E-07	4.15E-08	1.03E-03	3.24E-07	4.27E-08	8.29E-07	4.31E-07
1771	494361.06, 3859051.99	1.97E-02	6.23E-06	8.22E-07	1.02E-02	3.23E-06	4.27E-07	9.96E-04	3.14E-07	4.15E-08	1.03E-03	3.24E-07	4.28E-08	8.23E-07	4.28E-07
1772	494411.06, 3859051.99	1.96E-02	6.17E-06	8.15E-07	1.02E-02	3.21E-06	4.23E-07	9.87E-04	3.11E-07	4.11E-08	1.02E-03	3.21E-07	4.24E-08	8.16E-07	4.24E-07
1773	494461.06, 3859051.99	1.94E-02	6.12E-06	8.08E-07	1.01E-02	3.18E-06	4.19E-07	9.78E-04	3.09E-07	4.07E-08	1.01E-03	3.18E-07	4.20E-08	8.09E-07	4.21E-07
1774	494511.06, 3859051.99	1.92E-02	6.06E-06	8.00E-07	9.97E-03	3.15E-06	4.15E-07	9.67E-04	3.05E-07	4.03E-08	9.96E-04	3.14E-07	4.15E-08	8.01E-07	4.17E-07
1775	494561.06, 3859051.99	1.90E-02	6.01E-06	7.93E-07	9.88E-03	3.12E-06	4.12E-07	9.56E-04	3.02E-07	3.98E-08	9.86E-04	3.11E-07	4.11E-08	7.94E-07	4.13E-07
1776	494611.06, 3859051.99	1.88E-02	5.95E-06	7.85E-07	9.78E-03	3.09E-06	4.07E-07	9.43E-04	2.98E-07	3.93E-08	9.73E-04	3.07E-07	4.05E-08	7.86E-07	4.09E-07
1777	494661.06, 3859051.99	1.87E-02	5.89E-06	7.77E-07	9.68E-03	3.05E-06	4.03E-07	9.29E-04	2.93E-07	3.87E-08	9.60E-04	3.03E-07	4.00E-08	7.78E-07	4.05E-07
1778	494711.06, 3859051.99	1.85E-02	5.83E-06	7.69E-07	9.58E-03	3.02E-06	3.99E-07	9.16E-04	2.89E-07	3.82E-08	9.48E-04	2.99E-07	3.95E-08	7.70E-07	4.00E-07
1779	494761.06, 3859051.99	1.83E-02	5.77E-06	7.61E-07	9.48E-03	2.99E-06	3.95E-07	9.04E-04	2.85E-07	3.77E-08	9.35E-04	2.95E-07	3.90E-08	7.63E-07	3.96E-07
1780	494811.06, 3859051.99	1.81E-02	5.73E-06	7.56E-07	9.41E-03	2.97E-06	3.92E-07	8.94E-04	2.82E-07	3.73E-08	9.26E-04	2.92E-07	3.86E-08	7.57E-07	3.93E-07
1781	494861.06, 3859051.99	1.80E-02	5.68E-06	7.49E-07	9.33E-03	2.94E-06	3.89E-07	8.85E-04	2.79E-07	3.69E-08	9.16E-04	2.89E-07	3.81E-08	7.51E-07	3.90E-07
1782	494911.06, 3859051.99	1.78E-02	5.61E-06	7.40E-07	9.21E-03	2.91E-06	3.84E-07	8.71E-04	2.75E-07	3.63E-08	9.03E-04	2.85E-07	3.76E-08	7.41E-07	3.85E-07

1783	494961.06, 3859051.99	1.75E-02	5.52E-06	7.28E-07	9.06E-03	2.86E-06	3.77E-07	8.54E-04	2.69E-07	3.56E-08	8.85E-04	2.79E-07	3.69E-08	7.29E-07	3.79E-07
1784	495011.06, 3859051.99	1.72E-02	5.44E-06	7.17E-07	8.92E-03	2.82E-06	3.72E-07	8.40E-04	2.65E-07	3.50E-08	8.70E-04	2.75E-07	3.62E-08	7.19E-07	3.73E-07
1785	495061.06, 3859051.99	1.70E-02	5.38E-06	7.10E-07	8.83E-03	2.79E-06	3.68E-07	8.30E-04	2.62E-07	3.46E-08	8.60E-04	2.71E-07	3.58E-08	7.11E-07	3.69E-07
1786	495111.06, 3859051.99	1.69E-02	5.34E-06	7.05E-07	8.76E-03	2.77E-06	3.65E-07	8.22E-04	2.60E-07	3.43E-08	8.54E-04	2.69E-07	3.56E-08	7.06E-07	3.66E-07
1787	495161.06, 3859051.99	1.69E-02	5.35E-06	7.06E-07	8.78E-03	2.77E-06	3.66E-07	8.22E-04	2.60E-07	3.43E-08	8.54E-04	2.69E-07	3.56E-08	7.07E-07	3.67E-07
1788	495211.06, 3859051.99	1.68E-02	5.30E-06	7.00E-07	8.71E-03	2.75E-06	3.63E-07	8.16E-04	2.58E-07	3.40E-08	8.46E-04	2.67E-07	3.52E-08	7.01E-07	3.64E-07
1789	495261.06, 3859051.99	1.68E-02	5.30E-06	7.00E-07	8.70E-03	2.75E-06	3.62E-07	8.15E-04	2.57E-07	3.39E-08	8.44E-04	2.66E-07	3.52E-08	7.01E-07	3.64E-07
1790	495311.06, 3859051.99	1.67E-02	5.26E-06	6.94E-07	8.63E-03	2.72E-06	3.60E-07	8.08E-04	2.55E-07	3.37E-08	8.39E-04	2.65E-07	3.50E-08	6.96E-07	3.61E-07
1791	495361.06, 3859051.99	1.66E-02	5.23E-06	6.91E-07	8.59E-03	2.71E-06	3.58E-07	8.05E-04	2.54E-07	3.35E-08	8.34E-04	2.63E-07	3.47E-08	6.92E-07	3.59E-07
1792	495411.06, 3859051.99	1.65E-02	5.22E-06	6.89E-07	8.56E-03	2.70E-06	3.57E-07	8.02E-04	2.53E-07	3.34E-08	8.32E-04	2.63E-07	3.47E-08	6.90E-07	3.58E-07
1793	495461.06, 3859051.99	1.65E-02	5.20E-06	6.86E-07	8.53E-03	2.69E-06	3.55E-07	7.99E-04	2.52E-07	3.33E-08	8.29E-04	2.62E-07	3.45E-08	6.87E-07	3.57E-07
1794	495511.06, 3859051.99	1.63E-02	5.14E-06	6.79E-07	8.44E-03	2.66E-06	3.52E-07	7.91E-04	2.50E-07	3.30E-08	8.21E-04	2.59E-07	3.42E-08	6.80E-07	3.53E-07
1795	495561.06, 3859051.99	1.62E-02	5.10E-06	6.74E-07	8.38E-03	2.64E-06	3.49E-07	7.85E-04	2.48E-07	3.27E-08	8.15E-04	2.57E-07	3.39E-08	6.75E-07	3.50E-07
1796	495611.06, 3859051.99	1.61E-02	5.07E-06	6.69E-07	8.32E-03	2.63E-06	3.47E-07	7.79E-04	2.46E-07	3.24E-08	8.08E-04	2.55E-07	3.37E-08	6.71E-07	3.48E-07
1797	495661.06, 3859051.99	1.62E-02	5.10E-06	6.73E-07	8.36E-03	2.64E-06	3.48E-07	7.79E-04	2.46E-07	3.24E-08	8.08E-04	2.55E-07	3.37E-08	6.74E-07	3.50E-07
1798	494311.06, 3859101.99	1.99E-02	6.28E-06	8.29E-07	1.04E-02	3.27E-06	4.31E-07	1.03E-03	3.26E-07	4.30E-08	1.06E-03	3.35E-07	4.42E-08	8.30E-07	4.33E-07
1799	494361.06, 3859101.99	1.97E-02	6.23E-06	8.22E-07	1.03E-02	3.24E-06	4.28E-07	1.02E-03	3.23E-07	4.26E-08	1.05E-03	3.32E-07	4.39E-08	8.23E-07	4.29E-07
1800	494411.06, 3859101.99	1.96E-02	6.18E-06	8.16E-07	1.02E-02	3.21E-06	4.24E-07	1.02E-03	3.21E-07	4.24E-08	1.04E-03	3.30E-07	4.35E-08	8.17E-07	4.26E-07
1801	494461.06, 3859101.99	1.94E-02	6.13E-06	8.09E-07	1.01E-02	3.19E-06	4.21E-07	1.01E-03	3.17E-07	4.19E-08	1.03E-03	3.27E-07	4.31E-08	8.10E-07	4.22E-07
1802	494511.06, 3859101.99	1.92E-02	6.06E-06	8.01E-07	9.99E-03	3.15E-06	4.16E-07	9.90E-04	3.12E-07	4.12E-08	1.02E-03	3.22E-07	4.25E-08	8.02E-07	4.18E-07
1803	494561.06, 3859101.99	1.91E-02	6.01E-06	7.94E-07	9.91E-03	3.13E-06	4.13E-07	9.79E-04	3.09E-07	4.08E-08	1.01E-03	3.18E-07	4.20E-08	7.95E-07	4.14E-07
1804	494611.06, 3859101.99	1.88E-02	5.95E-06	7.85E-07	9.79E-03	3.09E-06	4.08E-07	9.63E-04	3.04E-07	4.01E-08	9.94E-04	3.14E-07	4.14E-08	7.86E-07	4.09E-07
1805	494661.06, 3859101.99	1.87E-02	5.90E-06	7.79E-07	9.72E-03	3.07E-06	4.05E-07	9.52E-04	3.01E-07	3.97E-08	9.83E-04	3.10E-07	4.09E-08	7.80E-07	4.06E-07
1806	494711.06, 3859101.99	1.85E-02	5.84E-06	7.71E-07	9.61E-03	3.03E-06	4.00E-07	9.35E-04	2.95E-07	3.90E-08	9.66E-04	3.05E-07	4.03E-08	7.72E-07	4.02E-07
1807	494761.06, 3859101.99	1.84E-02	5.82E-06	7.68E-07	9.57E-03	3.02E-06	3.99E-07	9.29E-04	2.93E-07	3.87E-08	9.60E-04	3.03E-07	4.00E-08	7.69E-07	4.00E-07
1808	494811.06, 3859101.99	1.84E-02	5.80E-06	7.66E-07	9.54E-03	3.01E-06	3.98E-07	9.16E-04	2.89E-07	3.82E-08	9.48E-04	2.99E-07	3.95E-08	7.68E-07	3.99E-07
1809	494861.06, 3859101.99	1.84E-02	5.79E-06	7.65E-07	9.52E-03	3.00E-06	3.97E-07	9.05E-04	2.86E-07	3.77E-08	9.37E-04	2.96E-07	3.90E-08	7.66E-07	3.98E-07
1810	494911.06, 3859101.99	1.83E-02	5.77E-06	7.62E-07	9.47E-03	2.99E-06	3.95E-07	8.91E-04	2.81E-07	3.71E-08	9.22E-04	2.91E-07	3.84E-08	7.63E-07	3.96E-07
1811	494961.06, 3859101.99	1.81E-02	5.72E-06	7.55E-07	9.38E-03	2.96E-06	3.91E-07	8.73E-04	2.75E-07	3.64E-08	9.03E-04	2.85E-07	3.76E-08	7.56E-07	3.92E-07
1812	495011.06, 3859101.99	1.78E-02	5.63E-06	7.43E-07	9.23E-03	2.91E-06	3.84E-07	8.52E-04	2.69E-07	3.55E-08	8.83E-04	2.79E-07	3.68E-08	7.44E-07	3.86E-07
1813	495061.06, 3859101.99	1.79E-02	5.65E-06	7.46E-07	9.26E-03	2.92E-06	3.86E-07	8.49E-04	2.68E-07	3.54E-08	8.80E-04	2.78E-07	3.67E-08	7.47E-07	3.87E-07
1814	495111.06, 3859101.99	1.78E-02	5.62E-06	7.42E-07	9.21E-03	2.91E-06	3.84E-07	8.41E-04	2.66E-07	3.50E-08	8.72E-04	2.75E-07	3.63E-08	7.43E-07	3.85E-07
1815	495161.06, 3859101.99	1.79E-02	5.64E-06	7.44E-07	9.24E-03	2.92E-06	3.85E-07	8.41E-04	2.66E-07	3.50E-08	8.72E-04	2.75E-07	3.63E-08	7.46E-07	3.86E-07
1816	495211.06, 3859101.99	1.77E-02	5.60E-06	7.39E-07	9.17E-03	2.90E-06	3.82E-07	8.35E-04	2.64E-07	3.48E-08	8.65E-04	2.73E-07	3.60E-08	7.40E-07	3.83E-07
1817	495261.06, 3859101.99	1.77E-02	5.59E-06	7.38E-07	9.16E-03	2.89E-06	3.82E-07	8.32E-04	2.63E-07	3.47E-08	8.62E-04	2.72E-07	3.59E-08	7.39E-07	3.83E-07
1818	495311.06, 3859101.99	1.77E-02	5.58E-06	7.37E-07	9.14E-03	2.88E-06	3.81E-07	8.26E-04	2.61E-07	3.44E-08	8.57E-04	2.70E-07	3.57E-08	7.38E-07	3.82E-07
1819	495361.06, 3859101.99	1.76E-02	5.56E-06	7.34E-07	9.11E-03	2.87E-06	3.79E-07	8.26E-04	2.61E-07	3.44E-08	8.55E-04	2.70E-07	3.56E-08	7.35E-07	3.81E-07
1820	495411.06, 3859101.99	1.76E-02	5.54E-06	7.31E-07	9.07E-03	2.86E-06	3.78E-07	8.21E-04	2.59E-07	3.42E-08	8.52E-04	2.69E-07	3.55E-08	7.32E-07	3.79E-07
1821	495461.06, 3859101.99	1.75E-02	5.51E-06	7.28E-07	9.03E-03	2.85E-06	3.76E-07	8.13E-04	2.57E-07	3.39E-08	8.42E-04	2.66E-07	3.51E-08	7.29E-07	3.77E-07
1822	495511.06, 3859101.99	1.74E-02	5.49E-06	7.24E-07	8.99E-03	2.84E-06	3.74E-07	8.08E-04	2.55E-07	3.37E-08	8.39E-04	2.65E-07	3.50E-08	7.26E-07	3.76E-07
1823	495561.06, 3859101.99	1.72E-02	5.43E-06	7.17E-07	8.90E-03	2.81E-06	3.71E-07	8.04E-04	2.54E-07	3.35E-08	8.34E-04	2.63E-07	3.47E-08	7.19E-07	3.72E-07
1824	495611.06, 3859101.99	1.71E-02	5.40E-06	7.12E-07	8.84E-03	2.79E-06	3.68E-07	7.97E-04	2.52E-07	3.32E-08	8.28E-04	2.61E-07	3.45E-08	7.14E-07	3.69E-07
1825	495661.06, 3859101.99	1.72E-02	5.42E-06	7.16E-07	8.87E-03	2.80E-06	3.70E-07	7.94E-04	2.51E-07	3.31E-08	8.24E-04	2.60E-07	3.43E-08	7.17E-07	3.71E-07
1826	494311.06, 3859151.99	1.99E-02	6.28E-06	8.29E-07	1.04E-02	3.27E-06	4.32E-07	1.06E-03	3.35E-07	4.42E-08	1.09E-03	3.44E-07	4.54E-08	8.30E-07	4.33E-07
1827	494361.06, 3859151.99	1.97E-02	6.23E-06	8.22E-07	1.03E-02	3.25E-06	4.29E-07	1.05E-03	3.33E-07	4.39E-08	1.08E-03	3.42E-07	4.51E-08	8.23E-07	4.30E-07
1828	494411.06, 3859151.99	1.95E-02	6.17E-06	8.14E-07	1.02E-02	3.22E-06	4.24E-07	1.04E-03	3.29E-07	4.34E-08	1.07E-03	3.38E-07	4.46E-08	8.16E-07	4.26E-07
1829	494461.06, 3859151.99	1.94E-02	6.11E-06	8.07E-07	1.01E-02	3.19E-06	4.21E-07	1.03E-03	3.25E-07	4.29E-08	1.06E-03	3.34E-07	4.41E-08	8.08E-07	4.22E-07
1830	494511.06, 3859151.99	1.92E-02	6.06E-06	7.99E-07	9.99E-03	3.15E-06	4.16E-07	1.01E-03	3.20E-07	4.22E-08	1.04E-03	3.29E-07	4.35E-08	8.00E-07	4.18E-07
1831	494561.06, 3859151.99	1.90E-02	6.01E-06	7.93E-07	9.91E-03	3.13E-06	4.13E-07	1.00E-03	3.16E-07	4.18E-08	1.03E-03	3.26E-07	4.30E-08	7.94E-07	4.14E-07
1832	494611.06, 3859151.99	1.88E-02	5.95E-06	7.85E-07	9.81E-03	3.10E-06	4.09E-07	9.87E-04	3.11E-07	4.11E-08	1.02E-03	3.21E-07	4.24E-08	7.86E-07	4.10E-07
1833	494661.06, 3859151.99	1.87E-02	5.90E-06	7.79E-07	9.74E-03	3.07E-06	4.06E-07	9.76E-04	3.08E-07	4.07E-08	1.01E-03	3.18E-07	4.20E-08	7.81E-07	4.07E-07
1834	494711.06, 3859151.99	1.86E-02	5.88E-06	7.76E-07	9.69E-03	3.06E-06	4.03E-07	9.67E-04	3.05E-07	4.03E-08	9.97E-04	3.15E-07	4.16E-08	7.77E-07	4.05E-07
1835	494761.06, 3859151.99	1.85E-02	5.85E-06	7.72E-07	9.64E-03	3.04E-06	4.01E-07	9.51E-04	3.00E-07	3.96E-08	9.81E-04	3.10E-07	4.09E-08	7.74E-07	4.03E-07
1836	494811.06, 3859151.99	1.88E-02	5.92E-06	7.82E-07	9.74E-03	3.07E-06	4.06E-07	9.37E-04	2.96E-07	3.90E-08	9.68E-04	3.05E-07	4.03E-08	7.83E-07	4.07E-07
1837	494861.06, 3859151.99	1.93E-02	6.11E-06	8.06E-07	1.00E-02	3.16E-06	4.17E-07	9.27E-04	2.93E-07	3.86E-08	9.58E-04	3.02E-07	3.99E-08	8.07E-07	4.19E-07
1838	494911.06, 3859151.99	2.08E-02	6.56E-06	8.66E-07	1.07E-02	3.38E-06	4.46E-07	9.10E-04	2.87E-07	3.79E-08	9.42E-04	2.97E-07	3.92E-08	8.67E-07	4.47E-07
1839	494961.06, 3859151.99	2.05E-02	6.46E-06	8.53E-07	1.05E-02	3.33E-06	4.39E-07	8.88E-04	2.80E-07	3.70E-08	9.21E-04	2.91E-07	3.84E-08	8.54E-07	4.40E-07
1840	495011.06, 3859151.99	2.04E-02	6.44E-06	8.50E-07	1.05E-02	3.31E-06	4.37E-07	8.73E-04	2.75E-07	3.64E-08	9.03E-04	2.85E-07	3.76E-08	8.51E-07	4.38E-07
1841	495061.06, 3859151.99	2.01E-02	6.34E-06	8.37E-07	1.03E-02	3.26E-06	4.31E-07	8.68E-04	2.74E-07	3.62E-08	8.98E-04	2.83E-07	3.74E-08	8.38E-07	4.32E-07
1842	495111.06, 3859151.99	1.99E-02	6.29E-06	8.31E-07	1.03E-02	3.24E-06	4.27E-07	8.62E-04	2.72E-07	3.59E-08	8.93E-04	2.82E-07	3.72E-08	8.32E-07	4.29E-07
1843	495161.06, 3859151.99	1.97E-02	6.22E-06	8.21E-07	1.01E-02	3.20E-06	4.23E-07	8.62E-04	2.72E-07	3.59E-08	8.93E-04	2.82E-07	3.72E-08	8.22E-07	4.24E-07
1844	495211.06, 3859151.99	2.00E-02	6.31E-06	8.33E-07	1.03E-02	3.24E-06	4.28E-07	8.55E-04	2.70E-07	3.56E-08	8.86E-04	2.80E-07	3.69E-08	8.34E-07	4.30E-07
1845	495261.06, 3859151.99	1.95E-02	6.14E-06	8.10E-07	1.00E-02	3.16E-06	4.17E-07	8.51E-04	2.68E-07	3.54E-08	8.81E-04	2.78E-07	3.67E-08	8.12E-07	4.19E-07
1846	495311.06, 3859151.99	1.92E-02	6.07E-06	8.01E-07	9.90E-03	3.13E-06	4.13E-07	8.46E-04	2.67E-07	3.52E-08	8.77E-04	2.77E-07	3.65E-08	8.02E-07	4.14E-07
1847	495361.06, 3859151.99	1.93E-02	6.09E-06	8.04E-07	9.93E-03	3.13E-06	4.14E-07	8.41E-04	2.66E-07	3.50E-08	8.72E-04	2.75E-07	3.63E-08	8.05E-07	4.15E-07
1848	495411.06, 3859151.99	1.90E-02	6.00E-06	7.92E-07	9.80E-03	3.09E-06	4.08E-07	8.41E-04	2.66E-07	3.50E-08	8.72E-04	2.75E-07	3.63E-08	7.94E-07	4.10E-07
1849	495461.06, 3859151.99	1.90E-02	6.01E-06	7.93E-07	9.80E-03	3.09E-06	4.08E-07	8.37E-04	2.64E-07	3.49E-08	8.67E-04	2.74E-07	3.61E-08	7.94E-07	4.10E-07
1850	495511.06, 3859151.99	1.88E-02	5.93E-06	7.83E-07	9.69E-03	3.06E-06	4.04E-07	8.29E-04	2.62E-07	3.45E-08	8.60E-04	2.71E-07	3.58E-08	7.85E-07	4.05E-07
1851	495561.06, 3859151.99	1.86E-02	5.86E-06	7.73E-07	9.56E-03	3.02E-06	3.98E-07	8.22E-04	2.60E-07	3.43E-08	8.54E-04	2.69E-07	3.56E-08	7.74E-07	4.00E-07
1852	495611.06, 3859151.99	1.83E-02	5.77E-06	7.61E-07	9.42E-03	2.97E-06	3.93E-07	8.16E-04	2.58E-07	3.40E-08	8.47E-04	2.67E-07	3.53E-08	7.63E-07	3.94E-07
1853	495661.06, 3859151.99	1.80E-02	5.67E-06	7.48E-07	9.26E-03	2.92E-06	3.86E-07	8.11E-04	2.56E-07	3.38E-08	8.42E-04	2.66E-07	3.51E-08	7.49E-07	3.87E-07
1854	494311.06, 3859201.99	1.99E-02	6.27E-06	8.27E-07	1.04E-02	3.27E-06	4.32E-07	1.09E-03	3.45E-07	4.56E-08	1.12E-03	3.53E-07	4.67E-08	8.28E-07	4.33E-07
1855	494361.06, 3859201.99	1.97E-02	6.21E-06	8.20E-07	1.03E-02	3.25E-06	4.28E-07	1.08E-03	3.42E-07	4.52E-08	1.11E-03	3.50E-07	4.62E-08	8.21E-07	4.29E-07
1856	494411.06, 3859201.99	1.95E-02	6.16E-06	8.13E-07	1.02E-02	3.22E-06	4.25E-07	1.07E-03	3.38E-07	4.46E-08	1.10E-03	3.46E-07	4.57E-08	8.14E-07	4.26E-07
1857	494461.06, 3859201.99	1.93E-02	6.10E-06	8.05E-07	1.01E-02	3.18E-06	4.20E-07	1.05E-03	3.33E-07	4.39E-08	1.08E-03	3.42E-07	4.51E-08	8.07E-07	4.22E-07
1858	494511.06, 3859201.99	1.92E-02	6.05E-06	7.98E-07	1.00E-02	3.16E-06	4.17E-07	1.04E-03	3.29E-07	4.34E-08	1.07E-03	3.38E-07	4.46E-08	8.00E-07	4.18E-07
1859	494561.06, 3859201.99	1.90E-02	5.99E-06	7.91E-07	9.90E-03	3.13E-06	4.13E-07	1.03E-03	3.24E-07	4.27E-08	1.05E-03	3.33E-07	4.39E-08	7.92E-07	4.14E-07
1860	494611.06, 3859201.99	1.88E-02	5.94E-06	7.84E-07	9.82E-03	3.10E-06	4.09E-07	1.01E-03	3.19E-07	4.22E-08	1.04E-03	3.29E-07	4.34E-08	7.85E-07	4.10E-07
1861	494661.06, 3859201.99	1.87E-02	5.90E-06	7.79E-07	9.74E-03	3.08E-06	4.06E-07	1.00E-03	3.16E-07	4.17E-08	1.03E-03	3.25E-07	4.29E-08	7.80E-07	4.07E-07
1862	494711.06, 3859201.99	1.86E-02	5.87E-06	7.75E-07	9.69E-03	3.06E-06	4.04E-07	9.88E-04	3.12E-07	4.12E-08	1.02E-03	3.21E-07	4.24E-08	7.76E-07	4.05E-07
1863	494761.06, 3859201.99	1.85E-02	5.85E-06	7.73E-07	9.65E-03	3.05E-06	4.02E-07	9.73E-04	3.07E-07	4.05E-08	1.00E-03	3.16E-07	4.18E-08	7.74E-07	4.03E-07
1864	494811.06, 3859201.99	1.88E-02	5.93E-06	7.82E-07	9.76E-03	3.08E-06	4.07E-07	9.59E-04	3.03E-07	3.99E-08	9.89E-04	3.12E-07	4.12E-08	7.84E-07	4.08E-07
1865	494861.06, 3859201.99	1.94E-02	6.12E-06	8.08E-07	1.01E-02	3.17E-06	4.19E-07	9.41E-04	2.97E-07	3.92E-08	9.73E-04	3.07E-07	4.05E-08	8.10E-07	4.20E-07
1866	494911.06, 3859201.99	1.88E-02	5.94E-06	7.84E-07	9.76E-03	3.08E-06	4.06E-07	9.26E-04	2.92E-07	3.86E-08	9.58E-04	3.02E-07	3.99E-08	7.85E-07	4.08E-07
1867	494961.06, 3859201.99	1.82E-02	5.75E-06	7.59E-07	9.45E-03	2.98E-06	3.94E-07	9.09E-04	2.87E-07	3.79E-08	9.39E-04	2.96E-07	3.91E-08	7.60E-07	3.95E-07
1868	495011.06, 3859201.99	1.77E-02	5.60E-06	7.39E-07	9.20E-03	2.90E-06	3.83E-07	8.85E-04	2.79E-07	3.69E-08	9.17E-04	2.90E-07	3.82E-08	7.40E-07	3.85E-07
1869	495061.06, 3859201.99	1.77E-02	5.59E-06	7.38E-07	9.19E-03	2.90E-06	3.83E-07	8.90E-04	2.81E-07	3.71E-08	9.21E-04	2.91E-07	3.84E-08	7.39E-07	3.84E-07
1870	495111.06, 3859201.99	1.76E-02	5.55E-06	7.32E-07	9.13E-03	2.88E-06	3.80E-07	8.85E-04	2.79E-07	3.69E-08	9.17E-04	2.90E-07	3.82E-08	7.34E-07	3.82E-07
1871	495161.06, 3859201.99	1.75E-02	5.51E-06	7.27E-07	9.06E-03	2.86E-06	3.78E-07	8.80E-04	2.78E-07	3.67E-08	9.12E-04	2.88E-07	3.80E-08	7.28E-07	3.79E-07
1872	495211.06, 3859201.99	1.73E-02	5.46E-06	7.21E-07	8.99E-03	2.84E-06	3.74E-07	8.74E-04	2.76E-07	3.64E-08	9.04E-04	2.85E-07	3.77E-08	7.22E-07	3.76E-07
1873	495261.06, 3859201.99	1.72E-02	5.43E-06	7.16E-07	8.93E-03	2.82E-06	3.72E-07	8.71E-04	2.75E-07	3.63E-08	9.01E-04	2.84E-07	3.75E-08	7.17E-07	3.73E-07
1874	495311.06, 3859201.99	1.71E-02	5.39E-06	7.11E-07	8.87E-03	2.80E-06	3.69E-07	8.66E-04	2.73E-07	3.61E-08	8.98E-04	2.83E-07	3.74E-08	7.12E-07	3.71E-07
1875	495361.06, 3859201.99	1.70E-02	5.35E-06	7.06E-07	8.81E-03	2.78E-06	3.67E-07	8.62E-04	2.72E-07	3.59E-08	8.93E-04	2.82E-07	3.72E-08	7.08E-07	3.68E-07
1876	495411.06, 3859201.99	1.69E-02	5.32E-06	7.03E-07	8.76E-03	2.77E-06	3.65E-07	8.60E-04	2.71E-07	3.58E-08	8.91E-04	2.81E-07	3.71E-08	7.04E-07	3.66E-07

1877	495461.06, 3859201.99	1.67E-02	5.28E-06	6.97E-07	8.69E-03	2.74E-06	3.62E-07	8.55E-04	2.70E-07	3.56E-08	8.86E-04	2.80E-07	3.69E-08	6.98E-07	3.64E-07
1878	495511.06, 3859201.99	1.66E-02	5.24E-06	6.91E-07	8.63E-03	2.72E-06	3.59E-07	8.49E-04	2.68E-07	3.54E-08	8.81E-04	2.78E-07	3.67E-08	6.93E-07	3.61E-07
1879	495561.06, 3859201.99	1.64E-02	5.18E-06	6.84E-07	8.54E-03	2.69E-06	3.56E-07	8.41E-04	2.66E-07	3.50E-08	8.72E-04	2.75E-07	3.63E-08	6.86E-07	3.57E-07
1880	495611.06, 3859201.99	1.63E-02	5.13E-06	6.78E-07	8.46E-03	2.67E-06	3.52E-07	8.33E-04	2.63E-07	3.47E-08	8.65E-04	2.73E-07	3.60E-08	6.79E-07	3.54E-07
1881	495661.06, 3859201.99	1.61E-02	5.08E-06	6.71E-07	8.38E-03	2.64E-06	3.49E-07	8.29E-04	2.62E-07	3.45E-08	8.60E-04	2.71E-07	3.58E-08	6.72E-07	3.50E-07
1882	494311.06, 3859251.99	1.98E-02	6.25E-06	8.25E-07	1.04E-02	3.27E-06	4.32E-07	1.12E-03	3.55E-07	4.69E-08	1.15E-03	3.63E-07	4.79E-08	8.26E-07	4.33E-07
1883	494361.06, 3859251.99	1.96E-02	6.20E-06	8.18E-07	1.03E-02	3.24E-06	4.28E-07	1.11E-03	3.51E-07	4.63E-08	1.14E-03	3.59E-07	4.73E-08	8.19E-07	4.29E-07
1884	494411.06, 3859251.99	1.95E-02	6.14E-06	8.11E-07	1.02E-02	3.21E-06	4.24E-07	1.09E-03	3.45E-07	4.56E-08	1.12E-03	3.53E-07	4.67E-08	8.12E-07	4.25E-07
1885	494461.06, 3859251.99	1.93E-02	6.08E-06	8.03E-07	1.01E-02	3.18E-06	4.20E-07	1.08E-03	3.42E-07	4.51E-08	1.11E-03	3.50E-07	4.62E-08	8.04E-07	4.21E-07
1886	494511.06, 3859251.99	1.91E-02	6.02E-06	7.95E-07	9.97E-03	3.15E-06	4.15E-07	1.06E-03	3.35E-07	4.42E-08	1.09E-03	3.44E-07	4.54E-08	7.96E-07	4.17E-07
1887	494561.06, 3859251.99	1.89E-02	5.97E-06	7.89E-07	9.89E-03	3.12E-06	4.12E-07	1.05E-03	3.31E-07	4.37E-08	1.08E-03	3.40E-07	4.49E-08	7.90E-07	4.13E-07
1888	494611.06, 3859251.99	1.88E-02	5.92E-06	7.82E-07	9.80E-03	3.09E-06	4.08E-07	1.03E-03	3.26E-07	4.31E-08	1.06E-03	3.35E-07	4.43E-08	7.83E-07	4.10E-07
1889	494661.06, 3859251.99	1.86E-02	5.89E-06	7.77E-07	9.74E-03	3.07E-06	4.06E-07	1.02E-03	3.23E-07	4.27E-08	1.05E-03	3.32E-07	4.39E-08	7.78E-07	4.07E-07
1890	494711.06, 3859251.99	1.85E-02	5.85E-06	7.72E-07	9.68E-03	3.05E-06	4.03E-07	1.01E-03	3.19E-07	4.22E-08	1.04E-03	3.29E-07	4.34E-08	7.74E-07	4.04E-07
1891	494761.06, 3859251.99	1.85E-02	5.83E-06	7.69E-07	9.62E-03	3.04E-06	4.01E-07	9.87E-04	3.11E-07	4.11E-08	1.02E-03	3.20E-07	4.23E-08	7.70E-07	4.02E-07
1892	494811.06, 3859251.99	1.87E-02	5.90E-06	7.79E-07	9.74E-03	3.07E-06	4.06E-07	9.82E-04	3.10E-07	4.09E-08	1.01E-03	3.19E-07	4.22E-08	7.81E-07	4.07E-07
1893	494861.06, 3859251.99	1.94E-02	6.11E-06	8.07E-07	1.00E-02	3.17E-06	4.18E-07	9.57E-04	3.02E-07	3.99E-08	9.88E-04	3.12E-07	4.11E-08	8.08E-07	4.20E-07
1894	494911.06, 3859251.99	1.86E-02	5.86E-06	7.74E-07	9.65E-03	3.05E-06	4.02E-07	9.43E-04	2.98E-07	3.93E-08	9.73E-04	3.07E-07	4.05E-08	7.75E-07	4.03E-07
1895	494961.06, 3859251.99	1.80E-02	5.69E-06	7.51E-07	9.37E-03	2.96E-06	3.90E-07	9.31E-04	2.94E-07	3.88E-08	9.61E-04	3.03E-07	4.01E-08	7.52E-07	3.92E-07
1896	495011.06, 3859251.99	1.76E-02	5.57E-06	7.35E-07	9.18E-03	2.90E-06	3.83E-07	9.18E-04	2.90E-07	3.82E-08	9.50E-04	3.00E-07	3.96E-08	7.37E-07	3.84E-07
1897	495061.06, 3859251.99	1.75E-02	5.52E-06	7.28E-07	9.10E-03	2.87E-06	3.79E-07	9.15E-04	2.89E-07	3.81E-08	9.47E-04	2.99E-07	3.94E-08	7.29E-07	3.80E-07
1898	495111.06, 3859251.99	1.73E-02	5.45E-06	7.20E-07	9.00E-03	2.84E-06	3.75E-07	9.09E-04	2.87E-07	3.79E-08	9.40E-04	2.97E-07	3.92E-08	7.21E-07	3.76E-07
1899	495161.06, 3859251.99	1.71E-02	5.41E-06	7.14E-07	8.92E-03	2.82E-06	3.72E-07	9.04E-04	2.85E-07	3.77E-08	9.34E-04	2.95E-07	3.89E-08	7.15E-07	3.73E-07
1900	495211.06, 3859251.99	1.70E-02	5.36E-06	7.07E-07	8.84E-03	2.79E-06	3.68E-07	8.96E-04	2.83E-07	3.73E-08	9.27E-04	2.93E-07	3.86E-08	7.08E-07	3.69E-07
1901	495261.06, 3859251.99	1.69E-02	5.32E-06	7.02E-07	8.78E-03	2.77E-06	3.66E-07	8.88E-04	2.80E-07	3.70E-08	9.21E-04	2.91E-07	3.84E-08	7.04E-07	3.67E-07
1902	495311.06, 3859251.99	1.67E-02	5.28E-06	6.97E-07	8.72E-03	2.75E-06	3.63E-07	8.88E-04	2.80E-07	3.70E-08	9.19E-04	2.90E-07	3.83E-08	6.98E-07	3.64E-07
1903	495361.06, 3859251.99	1.66E-02	5.24E-06	6.92E-07	8.65E-03	2.73E-06	3.60E-07	8.82E-04	2.78E-07	3.67E-08	9.14E-04	2.88E-07	3.81E-08	6.93E-07	3.62E-07
1904	495411.06, 3859251.99	1.65E-02	5.21E-06	6.88E-07	8.60E-03	2.72E-06	3.58E-07	8.80E-04	2.78E-07	3.67E-08	9.12E-04	2.88E-07	3.80E-08	6.89E-07	3.60E-07
1905	495461.06, 3859251.99	1.64E-02	5.17E-06	6.83E-07	8.54E-03	2.70E-06	3.56E-07	8.76E-04	2.76E-07	3.65E-08	9.06E-04	2.86E-07	3.77E-08	6.84E-07	3.57E-07
1906	495511.06, 3859251.99	1.62E-02	5.12E-06	6.75E-07	8.45E-03	2.67E-06	3.52E-07	8.66E-04	2.73E-07	3.61E-08	8.98E-04	2.83E-07	3.74E-08	6.77E-07	3.53E-07
1907	495561.06, 3859251.99	1.61E-02	5.08E-06	6.70E-07	8.38E-03	2.65E-06	3.49E-07	8.60E-04	2.71E-07	3.58E-08	8.91E-04	2.81E-07	3.71E-08	6.71E-07	3.51E-07
1908	495611.06, 3859251.99	1.59E-02	5.02E-06	6.63E-07	8.30E-03	2.62E-06	3.46E-07	8.51E-04	2.68E-07	3.54E-08	8.83E-04	2.79E-07	3.68E-08	6.65E-07	3.47E-07
1909	495661.06, 3859251.99	1.58E-02	4.98E-06	6.57E-07	8.22E-03	2.60E-06	3.43E-07	8.46E-04	2.67E-07	3.52E-08	8.77E-04	2.77E-07	3.65E-08	6.58E-07	3.44E-07
1910	494311.06, 3859301.99	1.97E-02	6.23E-06	8.22E-07	1.04E-02	3.27E-06	4.31E-07	1.16E-03	3.65E-07	4.82E-08	1.18E-03	3.72E-07	4.92E-08	8.23E-07	4.32E-07
1911	494361.06, 3859301.99	1.96E-02	6.17E-06	8.15E-07	1.03E-02	3.24E-06	4.27E-07	1.14E-03	3.60E-07	4.75E-08	1.17E-03	3.68E-07	4.86E-08	8.16E-07	4.28E-07
1912	494411.06, 3859301.99	1.94E-02	6.11E-06	8.07E-07	1.02E-02	3.20E-06	4.23E-07	1.12E-03	3.54E-07	4.68E-08	1.15E-03	3.62E-07	4.78E-08	8.08E-07	4.24E-07
1913	494461.06, 3859301.99	1.92E-02	6.06E-06	7.99E-07	1.01E-02	3.17E-06	4.19E-07	1.10E-03	3.49E-07	4.60E-08	1.13E-03	3.57E-07	4.71E-08	8.01E-07	4.20E-07
1914	494511.06, 3859301.99	1.90E-02	6.00E-06	7.92E-07	9.96E-03	3.14E-06	4.15E-07	1.09E-03	3.44E-07	4.54E-08	1.11E-03	3.52E-07	4.64E-08	7.93E-07	4.16E-07
1915	494561.06, 3859301.99	1.89E-02	5.95E-06	7.85E-07	9.87E-03	3.12E-06	4.11E-07	1.08E-03	3.40E-07	4.48E-08	1.10E-03	3.48E-07	4.60E-08	7.86E-07	4.12E-07
1916	494611.06, 3859301.99	1.87E-02	5.90E-06	7.79E-07	9.78E-03	3.09E-06	4.08E-07	1.06E-03	3.35E-07	4.42E-08	1.09E-03	3.44E-07	4.54E-08	7.80E-07	4.09E-07
1917	494661.06, 3859301.99	1.86E-02	5.86E-06	7.73E-07	9.71E-03	3.07E-06	4.05E-07	1.05E-03	3.31E-07	4.37E-08	1.08E-03	3.40E-07	4.48E-08	7.75E-07	4.06E-07
1918	494711.06, 3859301.99	1.84E-02	5.82E-06	7.69E-07	9.65E-03	3.04E-06	4.02E-07	1.03E-03	3.26E-07	4.30E-08	1.06E-03	3.35E-07	4.42E-08	7.70E-07	4.03E-07
1919	494761.06, 3859301.99	1.84E-02	5.81E-06	7.68E-07	9.62E-03	3.04E-06	4.01E-07	1.02E-03	3.21E-07	4.24E-08	1.05E-03	3.31E-07	4.37E-08	7.69E-07	4.02E-07
1920	494811.06, 3859301.99	1.86E-02	5.87E-06	7.75E-07	9.70E-03	3.06E-06	4.04E-07	1.00E-03	3.16E-07	4.17E-08	1.03E-03	3.25E-07	4.29E-08	7.76E-07	4.05E-07
1921	494861.06, 3859301.99	1.87E-02	5.91E-06	7.80E-07	9.74E-03	3.07E-06	4.06E-07	9.79E-04	3.09E-07	4.08E-08	1.01E-03	3.18E-07	4.20E-08	7.81E-07	4.07E-07
1922	494911.06, 3859301.99	1.86E-02	5.86E-06	7.74E-07	9.66E-03	3.05E-06	4.03E-07	9.67E-04	3.05E-07	4.03E-08	9.96E-04	3.14E-07	4.15E-08	7.75E-07	4.04E-07
1923	494961.06, 3859301.99	1.79E-02	5.64E-06	7.45E-07	9.31E-03	2.94E-06	3.88E-07	9.45E-04	2.98E-07	3.94E-08	9.74E-04	3.08E-07	4.06E-08	7.46E-07	3.89E-07
1924	495011.06, 3859301.99	1.75E-02	5.54E-06	7.31E-07	9.14E-03	2.88E-06	3.81E-07	9.34E-04	2.95E-07	3.89E-08	9.65E-04	3.04E-07	4.02E-08	7.32E-07	3.82E-07
1925	495061.06, 3859301.99	1.74E-02	5.49E-06	7.25E-07	9.08E-03	2.87E-06	3.78E-07	9.37E-04	2.96E-07	3.90E-08	9.68E-04	3.05E-07	4.03E-08	7.27E-07	3.80E-07
1926	495111.06, 3859301.99	1.72E-02	5.42E-06	7.15E-07	8.95E-03	2.83E-06	3.73E-07	9.26E-04	2.92E-07	3.86E-08	9.57E-04	3.02E-07	3.98E-08	7.16E-07	3.74E-07
1927	495161.06, 3859301.99	1.70E-02	5.36E-06	7.08E-07	8.87E-03	2.80E-06	3.69E-07	9.21E-04	2.91E-07	3.84E-08	9.53E-04	3.01E-07	3.97E-08	7.09E-07	3.71E-07
1928	495211.06, 3859301.99	1.69E-02	5.33E-06	7.03E-07	8.81E-03	2.78E-06	3.67E-07	9.20E-04	2.90E-07	3.83E-08	9.52E-04	3.00E-07	3.96E-08	7.05E-07	3.68E-07
1929	495261.06, 3859301.99	1.68E-02	5.29E-06	6.98E-07	8.75E-03	2.76E-06	3.64E-07	9.16E-04	2.89E-07	3.82E-08	9.47E-04	2.99E-07	3.94E-08	6.99E-07	3.66E-07
1930	495311.06, 3859301.99	1.66E-02	5.23E-06	6.91E-07	8.66E-03	2.73E-06	3.61E-07	9.07E-04	2.86E-07	3.78E-08	9.39E-04	2.96E-07	3.91E-08	6.92E-07	3.62E-07
1931	495361.06, 3859301.99	1.65E-02	5.20E-06	6.86E-07	8.60E-03	2.71E-06	3.58E-07	9.04E-04	2.85E-07	3.77E-08	9.35E-04	2.95E-07	3.90E-08	6.88E-07	3.60E-07
1932	495411.06, 3859301.99	1.63E-02	5.16E-06	6.81E-07	8.54E-03	2.69E-06	3.56E-07	8.99E-04	2.84E-07	3.75E-08	9.30E-04	2.94E-07	3.88E-08	6.82E-07	3.57E-07
1933	495461.06, 3859301.99	1.62E-02	5.12E-06	6.76E-07	8.48E-03	2.68E-06	3.53E-07	8.94E-04	2.82E-07	3.73E-08	9.26E-04	2.92E-07	3.86E-08	6.78E-07	3.55E-07
1934	495511.06, 3859301.99	1.61E-02	5.07E-06	6.70E-07	8.40E-03	2.65E-06	3.50E-07	8.87E-04	2.80E-07	3.69E-08	9.17E-04	2.90E-07	3.82E-08	6.71E-07	3.51E-07
1935	495561.06, 3859301.99	1.59E-02	5.02E-06	6.62E-07	8.30E-03	2.62E-06	3.46E-07	8.76E-04	2.76E-07	3.65E-08	9.06E-04	2.86E-07	3.77E-08	6.64E-07	3.47E-07
1936	495611.06, 3859301.99	1.58E-02	4.98E-06	6.57E-07	8.24E-03	2.60E-06	3.43E-07	8.69E-04	2.74E-07	3.62E-08	8.99E-04	2.84E-07	3.75E-08	6.58E-07	3.44E-07
1937	495661.06, 3859301.99	1.56E-02	4.93E-06	6.51E-07	8.16E-03	2.58E-06	3.40E-07	8.62E-04	2.72E-07	3.59E-08	8.93E-04	2.82E-07	3.72E-08	6.52E-07	3.41E-07
1938	494311.06, 3859351.99	1.96E-02	6.19E-06	8.17E-07	1.03E-02	3.25E-06	4.29E-07	1.18E-03	3.74E-07	4.93E-08	1.21E-03	3.81E-07	5.03E-08	8.17E-07	4.30E-07
1939	494361.06, 3859351.99	1.94E-02	6.14E-06	8.10E-07	1.02E-02	3.22E-06	4.26E-07	1.17E-03	3.69E-07	4.87E-08	1.19E-03	3.76E-07	4.96E-08	8.11E-07	4.27E-07
1940	494411.06, 3859351.99	1.93E-02	6.09E-06	8.03E-07	1.01E-02	3.20E-06	4.22E-07	1.15E-03	3.62E-07	4.78E-08	1.17E-03	3.70E-07	4.88E-08	8.04E-07	4.23E-07
1941	494461.06, 3859351.99	1.91E-02	6.03E-06	7.96E-07	1.00E-02	3.17E-06	4.18E-07	1.13E-03	3.57E-07	4.71E-08	1.15E-03	3.64E-07	4.81E-08	7.97E-07	4.19E-07
1942	494511.06, 3859351.99	1.89E-02	5.97E-06	7.89E-07	9.93E-03	3.14E-06	4.14E-07	1.11E-03	3.52E-07	4.64E-08	1.14E-03	3.60E-07	4.75E-08	7.90E-07	4.15E-07
1943	494561.06, 3859351.99	1.88E-02	5.93E-06	7.83E-07	9.85E-03	3.11E-06	4.11E-07	1.10E-03	3.48E-07	4.59E-08	1.13E-03	3.56E-07	4.70E-08	7.84E-07	4.12E-07
1944	494611.06, 3859351.99	1.86E-02	5.88E-06	7.76E-07	9.77E-03	3.08E-06	4.07E-07	1.09E-03	3.44E-07	4.54E-08	1.11E-03	3.51E-07	4.64E-08	7.77E-07	4.08E-07
1945	494661.06, 3859351.99	1.85E-02	5.84E-06	7.71E-07	9.70E-03	3.06E-06	4.04E-07	1.07E-03	3.39E-07	4.47E-08	1.10E-03	3.47E-07	4.58E-08	7.72E-07	4.05E-07
1946	494711.06, 3859351.99	1.84E-02	5.80E-06	7.66E-07	9.63E-03	3.04E-06	4.01E-07	1.06E-03	3.33E-07	4.40E-08	1.08E-03	3.42E-07	4.51E-08	7.67E-07	4.02E-07
1947	494761.06, 3859351.99	1.83E-02	5.78E-06	7.63E-07	9.58E-03	3.02E-06	3.99E-07	1.03E-03	3.26E-07	4.30E-08	1.06E-03	3.34E-07	4.41E-08	7.64E-07	4.00E-07
1948	494811.06, 3859351.99	1.85E-02	5.84E-06	7.70E-07	9.65E-03	3.05E-06	4.02E-07	1.01E-03	3.19E-07	4.21E-08	1.04E-03	3.28E-07	4.33E-08	7.72E-07	4.03E-07
1949	494861.06, 3859351.99	1.91E-02	6.01E-06	7.94E-07	9.92E-03	3.13E-06	4.13E-07	9.99E-04	3.15E-07	4.16E-08	1.03E-03	3.25E-07	4.28E-08	7.95E-07	4.15E-07
1950	494911.06, 3859351.99	1.85E-02	5.85E-06	7.72E-07	9.66E-03	3.05E-06	4.02E-07	9.90E-04	3.12E-07	4.12E-08	1.02E-03	3.22E-07	4.25E-08	7.73E-07	4.04E-07
1951	494961.06, 3859351.99	1.79E-02	5.66E-06	7.47E-07	9.36E-03	2.95E-06	3.90E-07	9.78E-04	3.09E-07	4.07E-08	1.01E-03	3.18E-07	4.20E-08	7.48E-07	3.91E-07
1952	495011.06, 3859351.99	1.76E-02	5.55E-06	7.33E-07	9.18E-03	2.90E-06	3.83E-07	9.68E-04	3.06E-07	4.03E-08	9.99E-04	3.15E-07	4.16E-08	7.34E-07	3.84E-07
1953	495061.06, 3859351.99	1.74E-02	5.49E-06	7.24E-07	9.09E-03	2.87E-06	3.79E-07	9.68E-04	3.06E-07	4.03E-08	9.97E-04	3.15E-07	4.16E-08	7.26E-07	3.80E-07
1954	495111.06, 3859351.99	1.72E-02	5.42E-06	7.15E-07	8.97E-03	2.83E-06	3.74E-07	9.57E-04	3.02E-07	3.99E-08	9.88E-04	3.12E-07	4.11E-08	7.16E-07	3.75E-07
1955	495161.06, 3859351.99	1.70E-02	5.36E-06	7.08E-07	8.88E-03	2.80E-06	3.70E-07	9.51E-04	3.00E-07	3.96E-08	9.81E-04	3.10E-07	4.09E-08	7.09E-07	3.71E-07
1956	495211.06, 3859351.99	1.68E-02	5.31E-06	7.01E-07	8.80E-03	2.78E-06	3.66E-07	9.45E-04	2.98E-07	3.94E-08	9.74E-04	3.08E-07	4.06E-08	7.02E-07	3.68E-07
1957	495261.06, 3859351.99	1.67E-02	5.26E-06	6.95E-07	8.73E-03	2.75E-06	3.63E-07	9.40E-04	2.97E-07	3.92E-08	9.70E-04	3.06E-07	4.04E-08	6.96E-07	3.65E-07
1958	495311.06, 3859351.99	1.65E-02	5.21E-06	6.88E-07	8.64E-03	2.73E-06	3.60E-07	9.31E-04	2.94E-07	3.88E-08	9.61E-04	3.03E-07	4.01E-08	6.90E-07	3.61E-07
1959	495361.06, 3859351.99	1.64E-02	5.17E-06	6.82E-07	8.57E-03	2.70E-06	3.57E-07	9.24E-04	2.92E-07	3.85E-08	9.55E-04	3.01E-07	3.98E-08	6.83E-07	3.58E-07
1960	495411.06, 3859351.99	1.62E-02	5.13E-06	6.77E-07	8.50E-03	2.68E-06	3.54E-07	9.20E-04	2.90E-07	3.83E-08	9.52E-04	3.00E-07	3.96E-08	6.78E-07	3.55E-07
1961	495461.06, 3859351.99	1.61E-02	5.09E-06	6.72E-07	8.44E-03	2.66E-06	3.52E-07	9.16E-04	2.89E-07	3.82E-08	9.48E-04	2.99E-07	3.95E-08	6.73E-07	3.53E-07
1962	495511.06, 3859351.99	1.60E-02	5.04E-06	6.65E-07	8.36E-03	2.64E-06	3.48E-07	9.05E-04	2.86E-07	3.77E-08	9.37E-04	2.96E-07	3.90E-08	6.66E-07	3.49E-07
1963	495561.06, 3859351.99	1.58E-02	4.99E-06	6.59E-07	8.28E-03	2.61E-06	3.45E-07	8.98E-04	2.83E-07	3.74E-08	9.29E-04	2.93E-07	3.87E-08	6.60E-07	3.46E-07
1964	495611.06, 3859351.99	1.57E-02	4.95E-06	6.54E-07	8.21E-03	2.59E-06	3.42E-07	8.91E-04	2.81E-07	3.71E-08	9.22E-04	2.91E-07	3.84E-08	6.55E-07	3.43E-07
1965	495661.06, 3859351.99	1.55E-02	4.90E-06	6.47E-07	8.13E-03	2.57E-06	3.39E-07	8.80E-04	2.78E-07	3.67E-08	9.12E-04	2.88E-07	3.80E-08	6.48E-07	3.40E-07
1966	494311.06, 3859401.99	1.94E-02	6.14E-06	8.10E-07	1.02E-02	3.24E-06	4.27E-07	1.22E-03	3.84E-07	5.06E-08	1.24E-03	3.91E-07	5.15E-08	8.11E-07	4.28E-07
1967	494361.06, 3859401.99	1.93E-02	6.09E-06	8.04E-07	1.02E-02	3.21E-06	4.23E-07	1.19E-03	3.77E-07	4.97E-08	1.22E-03	3.84E-07	5.07E-08	8.05E-07	4.24E-07
1968	494411.06, 3859401.99	1.92E-02	6.05E-06	7.98E-07	1.01E-02	3.18E-06	4.20E-07	1.17E-03	3.70E-07	4.89E-08	1.20E-03	3.78E-07	4.98E-08	7.99E-07	4.21E-07
1969	494461.06, 3859401.99	1.90E-02	6.00E-06	7.92E-07	1.00E-02	3.16E-06	4.17E-07	1.16E-03	3.65E-07	4.82E-08	1.18E-03	3.72E-07	4.92E-08	7.93E-07	4.18E-07
1970	494511.06, 3859401.99	1.89E-02	5.95E-06	7.86E-07	9.92E-03	3.13E-06	4.13E-07	1.14E-03	3.61E-07	4.76E-08	1.17E-03	3.68E-07	4.86E-08	7.87E-07	4.14E-07

1971 494561.06, 3859401.99	1.87E-02	5.91E-06	7.80E-07	9.84E-03	3.11E-06	4.10E-07	1.13E-03	3.57E-07	4.71E-08	1.15E-03	3.64E-07	4.81E-08	7.81E-07	4.11E-07
1972 494611.06, 3859401.99	1.86E-02	5.86E-06	7.74E-07	9.76E-03	3.08E-06	4.07E-07	1.11E-03	3.52E-07	4.64E-08	1.14E-03	3.60E-07	4.75E-08	7.75E-07	4.08E-07
1973 494661.06, 3859401.99	1.85E-02	5.83E-06	7.69E-07	9.70E-03	3.06E-06	4.04E-07	1.10E-03	3.48E-07	4.59E-08	1.13E-03	3.56E-07	4.70E-08	7.70E-07	4.05E-07
1974 494711.06, 3859401.99	1.84E-02	5.79E-06	7.65E-07	9.64E-03	3.04E-06	4.01E-07	1.09E-03	3.43E-07	4.53E-08	1.11E-03	3.51E-07	4.64E-08	7.66E-07	4.03E-07
1975 494761.06, 3859401.99	1.83E-02	5.77E-06	7.62E-07	9.59E-03	3.03E-06	3.99E-07	1.06E-03	3.35E-07	4.42E-08	1.09E-03	3.43E-07	4.53E-08	7.63E-07	4.01E-07
1976 494811.06, 3859401.99	1.85E-02	5.83E-06	7.69E-07	9.66E-03	3.05E-06	4.03E-07	1.05E-03	3.30E-07	4.36E-08	1.07E-03	3.39E-07	4.47E-08	7.71E-07	4.04E-07
1977 494861.06, 3859401.99	1.90E-02	6.00E-06	7.92E-07	9.92E-03	3.13E-06	4.13E-07	1.03E-03	3.24E-07	4.27E-08	1.05E-03	3.33E-07	4.39E-08	7.93E-07	4.14E-07
1978 494911.06, 3859401.99	1.85E-02	5.83E-06	7.70E-07	9.64E-03	3.04E-06	4.02E-07	1.01E-03	3.19E-07	4.21E-08	1.04E-03	3.28E-07	4.33E-08	7.71E-07	4.03E-07
1979 494961.06, 3859401.99	1.79E-02	5.65E-06	7.46E-07	9.36E-03	2.95E-06	3.90E-07	1.00E-03	3.17E-07	4.18E-08	1.03E-03	3.26E-07	4.30E-08	7.47E-07	3.91E-07
1980 495011.06, 3859401.99	1.76E-02	5.54E-06	7.32E-07	9.19E-03	2.90E-06	3.83E-07	9.96E-04	3.14E-07	4.15E-08	1.03E-03	3.24E-07	4.27E-08	7.33E-07	3.84E-07
1981 495061.06, 3859401.99	1.73E-02	5.47E-06	7.22E-07	9.07E-03	2.86E-06	3.78E-07	9.87E-04	3.11E-07	4.11E-08	1.02E-03	3.21E-07	4.24E-08	7.23E-07	3.79E-07
1982 495111.06, 3859401.99	1.71E-02	5.40E-06	7.12E-07	8.95E-03	2.83E-06	3.73E-07	9.76E-04	3.08E-07	4.07E-08	1.01E-03	3.17E-07	4.19E-08	7.14E-07	3.74E-07
1983 495161.06, 3859401.99	1.69E-02	5.34E-06	7.04E-07	8.86E-03	2.80E-06	3.69E-07	9.73E-04	3.07E-07	4.05E-08	1.00E-03	3.17E-07	4.18E-08	7.06E-07	3.70E-07
1984 495211.06, 3859401.99	1.68E-02	5.29E-06	6.98E-07	8.78E-03	2.77E-06	3.66E-07	9.70E-04	3.06E-07	4.04E-08	9.99E-04	3.15E-07	4.16E-08	6.99E-07	3.67E-07
1985 495261.06, 3859401.99	1.66E-02	5.24E-06	6.92E-07	8.70E-03	2.75E-06	3.63E-07	9.62E-04	3.04E-07	4.01E-08	9.92E-04	3.13E-07	4.13E-08	6.93E-07	3.64E-07
1986 495311.06, 3859401.99	1.64E-02	5.19E-06	6.85E-07	8.62E-03	2.72E-06	3.59E-07	9.54E-04	3.01E-07	3.97E-08	9.84E-04	3.11E-07	4.10E-08	6.86E-07	3.60E-07
1987 495361.06, 3859401.99	1.63E-02	5.15E-06	6.79E-07	8.55E-03	2.70E-06	3.56E-07	9.51E-04	3.00E-07	3.96E-08	9.81E-04	3.10E-07	4.09E-08	6.81E-07	3.58E-07
1988 495411.06, 3859401.99	1.62E-02	5.11E-06	6.74E-07	8.48E-03	2.68E-06	3.53E-07	9.46E-04	2.99E-07	3.94E-08	9.76E-04	3.08E-07	4.07E-08	6.75E-07	3.55E-07
1989 495461.06, 3859401.99	1.60E-02	5.06E-06	6.68E-07	8.40E-03	2.65E-06	3.50E-07	9.37E-04	2.96E-07	3.90E-08	9.68E-04	3.05E-07	4.03E-08	6.69E-07	3.51E-07
1990 495511.06, 3859401.99	1.59E-02	5.01E-06	6.61E-07	8.32E-03	2.63E-06	3.47E-07	9.26E-04	2.92E-07	3.86E-08	9.57E-04	3.02E-07	3.98E-08	6.62E-07	3.48E-07
1991 495561.06, 3859401.99	1.57E-02	4.96E-06	6.54E-07	8.23E-03	2.60E-06	3.43E-07	9.15E-04	2.89E-07	3.81E-08	9.45E-04	2.98E-07	3.94E-08	6.56E-07	3.44E-07
1992 495611.06, 3859401.99	1.56E-02	4.92E-06	6.49E-07	8.17E-03	2.58E-06	3.40E-07	9.07E-04	2.86E-07	3.78E-08	9.39E-04	2.96E-07	3.91E-08	6.50E-07	3.42E-07
1993 495661.06, 3859401.99	1.54E-02	4.87E-06	6.43E-07	8.10E-03	2.56E-06	3.37E-07	9.01E-04	2.84E-07	3.75E-08	9.32E-04	2.94E-07	3.88E-08	6.45E-07	3.39E-07
1994 494311.06, 3859451.99	1.93E-02	6.09E-06	8.04E-07	1.02E-02	3.22E-06	4.25E-07	1.24E-03	3.92E-07	5.17E-08	1.26E-03	3.98E-07	5.26E-08	8.05E-07	4.25E-07
1995 494361.06, 3859451.99	1.92E-02	6.05E-06	7.98E-07	1.01E-02	3.19E-06	4.21E-07	1.22E-03	3.85E-07	5.08E-08	1.24E-03	3.92E-07	5.18E-08	7.99E-07	4.22E-07
1996 494411.06, 3859451.99	1.91E-02	6.01E-06	7.94E-07	1.00E-02	3.17E-06	4.19E-07	1.19E-03	3.77E-07	4.97E-08	1.22E-03	3.84E-07	5.07E-08	7.95E-07	4.19E-07
1997 494461.06, 3859451.99	1.89E-02	5.97E-06	7.88E-07	9.97E-03	3.15E-06	4.16E-07	1.18E-03	3.73E-07	4.93E-08	1.21E-03	3.81E-07	5.03E-08	7.89E-07	4.17E-07
1998 494511.06, 3859451.99	1.88E-02	5.94E-06	7.84E-07	9.91E-03	3.13E-06	4.13E-07	1.17E-03	3.68E-07	4.86E-08	1.19E-03	3.76E-07	4.96E-08	7.85E-07	4.14E-07
1999 494561.06, 3859451.99	1.87E-02	5.90E-06	7.79E-07	9.85E-03	3.11E-06	4.10E-07	1.15E-03	3.64E-07	4.80E-08	1.18E-03	3.71E-07	4.90E-08	7.80E-07	4.11E-07
2000 494611.06, 3859451.99	1.86E-02	5.87E-06	7.75E-07	9.80E-03	3.09E-06	4.08E-07	1.14E-03	3.61E-07	4.76E-08	1.17E-03	3.68E-07	4.86E-08	7.76E-07	4.09E-07
2001 494661.06, 3859451.99	1.85E-02	5.84E-06	7.70E-07	9.73E-03	3.07E-06	4.05E-07	1.13E-03	3.55E-07	4.69E-08	1.15E-03	3.63E-07	4.79E-08	7.71E-07	4.06E-07
2002 494711.06, 3859451.99	1.84E-02	5.80E-06	7.66E-07	9.67E-03	3.05E-06	4.03E-07	1.11E-03	3.51E-07	4.63E-08	1.13E-03	3.58E-07	4.73E-08	7.67E-07	4.04E-07
2003 494761.06, 3859451.99	1.83E-02	5.79E-06	7.64E-07	9.64E-03	3.04E-06	4.02E-07	1.10E-03	3.46E-07	4.57E-08	1.12E-03	3.54E-07	4.67E-08	7.65E-07	4.03E-07
2004 494811.06, 3859451.99	1.85E-02	5.84E-06	7.71E-07	9.71E-03	3.06E-06	4.04E-07	1.08E-03	3.40E-07	4.48E-08	1.10E-03	3.48E-07	4.59E-08	7.72E-07	4.05E-07
2005 494861.06, 3859451.99	1.86E-02	5.87E-06	7.75E-07	9.74E-03	3.08E-06	4.06E-07	1.06E-03	3.34E-07	4.41E-08	1.09E-03	3.43E-07	4.52E-08	7.77E-07	4.07E-07
2006 494911.06, 3859451.99	1.85E-02	5.85E-06	7.72E-07	9.69E-03	3.06E-06	4.04E-07	1.04E-03	3.30E-07	4.35E-08	1.07E-03	3.38E-07	4.47E-08	7.73E-07	4.05E-07
2007 494961.06, 3859451.99	1.79E-02	5.66E-06	7.47E-07	9.40E-03	2.97E-06	3.92E-07	1.04E-03	3.27E-07	4.32E-08	1.06E-03	3.36E-07	4.43E-08	7.48E-07	3.93E-07
2008 495011.06, 3859451.99	1.75E-02	5.54E-06	7.31E-07	9.20E-03	2.91E-06	3.83E-07	1.03E-03	3.24E-07	4.27E-08	1.05E-03	3.33E-07	4.39E-08	7.32E-07	3.85E-07
2009 495061.06, 3859451.99	1.73E-02	5.45E-06	7.20E-07	9.06E-03	2.86E-06	3.78E-07	1.02E-03	3.21E-07	4.24E-08	1.04E-03	3.30E-07	4.35E-08	7.21E-07	3.79E-07
2010 495111.06, 3859451.99	1.70E-02	5.37E-06	7.09E-07	8.94E-03	2.82E-06	3.72E-07	1.01E-03	3.17E-07	4.19E-08	1.03E-03	3.27E-07	4.31E-08	7.11E-07	3.74E-07
2011 495161.06, 3859451.99	1.68E-02	5.32E-06	7.02E-07	8.84E-03	2.79E-06	3.68E-07	9.99E-04	3.15E-07	4.16E-08	1.03E-03	3.25E-07	4.28E-08	7.03E-07	3.70E-07
2012 495211.06, 3859451.99	1.67E-02	5.26E-06	6.94E-07	8.76E-03	2.76E-06	3.65E-07	9.95E-04	3.14E-07	4.14E-08	1.02E-03	3.23E-07	4.26E-08	6.96E-07	3.66E-07
2013 495261.06, 3859451.99	1.65E-02	5.21E-06	6.88E-07	8.68E-03	2.74E-06	3.61E-07	9.88E-04	3.12E-07	4.12E-08	1.02E-03	3.21E-07	4.24E-08	6.89E-07	3.63E-07
2014 495311.06, 3859451.99	1.63E-02	5.16E-06	6.81E-07	8.59E-03	2.71E-06	3.58E-07	9.81E-04	3.10E-07	4.09E-08	1.01E-03	3.19E-07	4.21E-08	6.82E-07	3.59E-07
2015 495361.06, 3859451.99	1.62E-02	5.11E-06	6.75E-07	8.52E-03	2.69E-06	3.55E-07	9.74E-04	3.08E-07	4.06E-08	1.00E-03	3.17E-07	4.18E-08	6.76E-07	3.56E-07
2016 495411.06, 3859451.99	1.61E-02	5.07E-06	6.69E-07	8.44E-03	2.66E-06	3.52E-07	9.67E-04	3.05E-07	4.03E-08	9.96E-04	3.14E-07	4.15E-08	6.70E-07	3.53E-07
2017 495461.06, 3859451.99	1.59E-02	5.02E-06	6.63E-07	8.36E-03	2.64E-06	3.48E-07	9.59E-04	3.03E-07	3.99E-08	9.89E-04	3.12E-07	4.12E-08	6.64E-07	3.50E-07
2018 495511.06, 3859451.99	1.58E-02	4.97E-06	6.56E-07	8.28E-03	2.61E-06	3.45E-07	9.46E-04	2.99E-07	3.94E-08	9.76E-04	3.08E-07	4.07E-08	6.58E-07	3.46E-07
2019 495561.06, 3859451.99	1.56E-02	4.93E-06	6.51E-07	8.21E-03	2.59E-06	3.42E-07	9.38E-04	2.96E-07	3.91E-08	9.68E-04	3.05E-07	4.03E-08	6.52E-07	3.43E-07
2020 495611.06, 3859451.99	1.55E-02	4.88E-06	6.45E-07	8.13E-03	2.57E-06	3.39E-07	9.29E-04	2.93E-07	3.87E-08	9.60E-04	3.03E-07	4.00E-08	6.46E-07	3.40E-07
2021 495661.06, 3859451.99	1.53E-02	4.84E-06	6.39E-07	8.07E-03	2.55E-06	3.36E-07	9.23E-04	2.91E-07	3.84E-08	9.52E-04	3.00E-07	3.96E-08	6.41E-07	3.37E-07
2022 494311.06, 3859501.99	1.91E-02	6.04E-06	7.97E-07	1.01E-02	3.20E-06	4.22E-07	1.27E-03	4.00E-07	5.29E-08	1.29E-03	4.08E-07	5.38E-08	7.98E-07	4.23E-07
2023 494361.06, 3859501.99	1.91E-02	6.02E-06	7.94E-07	1.01E-02	3.18E-06	4.20E-07	1.25E-03	3.94E-07	5.20E-08	1.27E-03	4.01E-07	5.29E-08	7.95E-07	4.21E-07
2024 494411.06, 3859501.99	1.90E-02	6.01E-06	7.93E-07	1.00E-02	3.17E-06	4.19E-07	1.21E-03	3.83E-07	5.06E-08	1.24E-03	3.91E-07	5.15E-08	7.94E-07	4.20E-07
2025 494461.06, 3859501.99	1.90E-02	6.00E-06	7.92E-07	1.00E-02	3.17E-06	4.18E-07	1.21E-03	3.82E-07	5.04E-08	1.23E-03	3.89E-07	5.14E-08	7.93E-07	4.19E-07
2026 494511.06, 3859501.99	1.90E-02	5.99E-06	7.91E-07	1.00E-02	3.16E-06	4.17E-07	1.19E-03	3.76E-07	4.97E-08	1.21E-03	3.83E-07	5.06E-08	7.92E-07	4.18E-07
2027 494561.06, 3859501.99	1.90E-02	5.99E-06	7.91E-07	1.00E-02	3.16E-06	4.17E-07	1.18E-03	3.71E-07	4.90E-08	1.20E-03	3.79E-07	5.00E-08	7.92E-07	4.18E-07
2028 494611.06, 3859501.99	1.90E-02	5.99E-06	7.91E-07	1.00E-02	3.16E-06	4.17E-07	1.17E-03	3.70E-07	4.89E-08	1.20E-03	3.78E-07	4.98E-08	7.92E-07	4.18E-07
2029 494661.06, 3859501.99	1.89E-02	5.97E-06	7.88E-07	9.95E-03	3.14E-06	4.15E-07	1.15E-03	3.64E-07	4.81E-08	1.18E-03	3.71E-07	4.90E-08	7.89E-07	4.16E-07
2030 494711.06, 3859501.99	1.88E-02	5.94E-06	7.84E-07	9.90E-03	3.12E-06	4.12E-07	1.13E-03	3.57E-07	4.71E-08	1.16E-03	3.65E-07	4.81E-08	7.85E-07	4.13E-07
2031 494761.06, 3859501.99	1.88E-02	5.94E-06	7.83E-07	9.88E-03	3.12E-06	4.12E-07	1.12E-03	3.55E-07	4.69E-08	1.15E-03	3.63E-07	4.79E-08	7.85E-07	4.13E-07
2032 494811.06, 3859501.99	1.88E-02	5.95E-06	7.85E-07	9.88E-03	3.12E-06	4.12E-07	1.10E-03	3.47E-07	4.57E-08	1.12E-03	3.54E-07	4.68E-08	7.86E-07	4.13E-07
2033 494861.06, 3859501.99	1.89E-02	5.96E-06	7.87E-07	9.89E-03	3.12E-06	4.12E-07	1.09E-03	3.43E-07	4.52E-08	1.11E-03	3.51E-07	4.63E-08	7.88E-07	4.13E-07
2034 494911.06, 3859501.99	1.87E-02	5.90E-06	7.79E-07	9.79E-03	3.09E-06	4.08E-07	1.08E-03	3.40E-07	4.48E-08	1.10E-03	3.48E-07	4.60E-08	7.80E-07	4.09E-07
2035 494961.06, 3859501.99	1.80E-02	5.67E-06	7.48E-07	9.43E-03	2.97E-06	3.93E-07	1.06E-03	3.35E-07	4.42E-08	1.09E-03	3.44E-07	4.54E-08	7.49E-07	3.94E-07
2036 495011.06, 3859501.99	1.75E-02	5.53E-06	7.30E-07	9.21E-03	2.91E-06	3.84E-07	1.05E-03	3.33E-07	4.39E-08	1.08E-03	3.41E-07	4.50E-08	7.31E-07	3.85E-07
2037 495061.06, 3859501.99	1.72E-02	5.43E-06	7.17E-07	9.05E-03	2.86E-06	3.77E-07	1.05E-03	3.30E-07	4.36E-08	1.07E-03	3.38E-07	4.47E-08	7.18E-07	3.78E-07
2038 495111.06, 3859501.99	1.69E-02	5.34E-06	7.05E-07	8.91E-03	2.81E-06	3.71E-07	1.03E-03	3.26E-07	4.30E-08	1.06E-03	3.34E-07	4.41E-08	7.07E-07	3.72E-07
2039 495161.06, 3859501.99	1.67E-02	5.28E-06	6.97E-07	8.80E-03	2.78E-06	3.67E-07	1.02E-03	3.23E-07	4.27E-08	1.05E-03	3.32E-07	4.39E-08	6.98E-07	3.68E-07
2040 495211.06, 3859501.99	1.66E-02	5.22E-06	6.90E-07	8.72E-03	2.75E-06	3.63E-07	1.02E-03	3.22E-07	4.25E-08	1.05E-03	3.31E-07	4.37E-08	6.91E-07	3.64E-07
2041 495261.06, 3859501.99	1.64E-02	5.17E-06	6.82E-07	8.63E-03	2.72E-06	3.59E-07	1.01E-03	3.20E-07	4.22E-08	1.04E-03	3.29E-07	4.34E-08	6.84E-07	3.61E-07
2042 495311.06, 3859501.99	1.62E-02	5.12E-06	6.76E-07	8.55E-03	2.70E-06	3.56E-07	1.01E-03	3.18E-07	4.20E-08	1.03E-03	3.27E-07	4.31E-08	6.77E-07	3.57E-07
2043 495361.06, 3859501.99	1.61E-02	5.08E-06	6.70E-07	8.47E-03	2.67E-06	3.53E-07	9.98E-04	3.15E-07	4.16E-08	1.03E-03	3.24E-07	4.28E-08	6.71E-07	3.54E-07
2044 495411.06, 3859501.99	1.59E-02	5.03E-06	6.64E-07	8.39E-03	2.65E-06	3.50E-07	9.92E-04	3.13E-07	4.13E-08	1.02E-03	3.22E-07	4.25E-08	6.65E-07	3.51E-07
2045 495461.06, 3859501.99	1.58E-02	4.98E-06	6.58E-07	8.32E-03	2.63E-06	3.47E-07	9.82E-04	3.10E-07	4.09E-08	1.01E-03	3.19E-07	4.22E-08	6.59E-07	3.48E-07
2046 495511.06, 3859501.99	1.56E-02	4.93E-06	6.51E-07	8.23E-03	2.60E-06	3.43E-07	9.65E-04	3.05E-07	4.02E-08	9.94E-04	3.14E-07	4.14E-08	6.52E-07	3.44E-07
2047 495561.06, 3859501.99	1.55E-02	4.89E-06	6.46E-07	8.17E-03	2.58E-06	3.40E-07	9.62E-04	3.04E-07	4.01E-08	9.91E-04	3.13E-07	4.13E-08	6.47E-07	3.41E-07
2048 495611.06, 3859501.99	1.54E-02	4.85E-06	6.40E-07	8.09E-03	2.55E-06	3.37E-07	9.52E-04	3.01E-07	3.97E-08	9.83E-04	3.10E-07	4.09E-08	6.41E-07	3.39E-07
2049 495661.06, 3859501.99	1.52E-02	4.80E-06	6.34E-07	8.02E-03	2.53E-06	3.34E-07	9.43E-04	2.98E-07	3.93E-08	9.73E-04	3.07E-07	4.05E-08	6.35E-07	3.35E-07
2050 494311.06, 3859551.99	1.90E-02	5.98E-06	7.90E-07	1.01E-02	3.18E-06	4.19E-07	1.30E-03	4.09E-07	5.40E-08	1.32E-03	4.16E-07	5.49E-08	7.91E-07	4.20E-07
2051 494361.06, 3859551.99	1.90E-02	5.98E-06	7.89E-07	1.00E-02	3.17E-06	4.18E-07	1.27E-03	4.00E-07	5.28E-08	1.29E-03	4.06E-07	5.37E-08	7.90E-07	4.19E-07
2052 494411.06, 3859551.99	1.92E-02	6.06E-06	8.00E-07	1.01E-02	3.20E-06	4.23E-07	1.23E-03	3.90E-07	5.14E-08	1.26E-03	3.97E-07	5.24E-08	8.01E-07	4.23E-07
2053 494461.06, 3859551.99	1.99E-02	6.28E-06	8.29E-07	1.05E-02	3.31E-06	4.37E-07	1.24E-03	3.91E-07	5.16E-08	1.26E-03	3.98E-07	5.25E-08	8.30E-07	4.38E-07
2054 494511.06, 3859551.99	2.19E-02	6.91E-06	9.12E-07	1.14E-02	3.61E-06	4.77E-07	1.22E-03	3.85E-07	5.08E-08	1.24E-03	3.92E-07	5.18E-08	9.13E-07	4.78E-07
2055 494561.06, 3859551.99	2.17E-02	6.85E-06	9.04E-07	1.13E-02	3.58E-06	4.72E-07	1.20E-03	3.80E-07	5.01E-08	1.23E-03	3.87E-07	5.11E-08	9.05E-07	4.73E-07
2056 494611.06, 3859551.99	2.16E-02	6.82E-06	9.00E-07	1.13E-02	3.56E-06	4.70E-07	1.19E-03	3.77E-07	4.97E-08	1.22E-03	3.84E-07	5.07E-08	9.01E-07	4.71E-07
2057 494661.06, 3859551.99	2.14E-02	6.76E-06	8.92E-07	1.12E-02	3.53E-06	4.66E-07	1.18E-03	3.73E-07	4.92E-08	1.20E-03	3.80E-07	5.02E-08	8.93E-07	4.67E-07
2058 494711.06, 3859551.99	2.12E-02	6.70E-06	8.85E-07	1.11E-02	3.50E-06	4.61E-07	1.15E-03	3.62E-07	4.78E-08	1.17E-03	3.70E-07	4.88E-08	8.86E-07	4.62E-07
2059 494761.06, 3859551.99	2.13E-02	6.73E-06	8.89E-07	1.11E-02	3.51E-06	4.64E-07	1.15E-03	3.63E-07	4.80E-08	1.18E-03	3.71E-07	4.90E-08	8.90E-07	4.65E-07
2060 494811.06, 3859551.99	2.12E-02	6.68E-06	8.81E-07	1.10E-02	3.48E-06	4.59E-07	1.13E-03	3.56E-07	4.70E-08	1.15E-03	3.64E-07	4.80E-08	8.82E-07	4.60E-07
2061 494861.06, 3859551.99	2.04E-02	6.42E-06	8.48E-07	1.06E-02	3.35E-06	4.43E-07	1.12E-03	3.52E-07	4.65E-08	1.14E-03	3.60E-07	4.75E-08	8.49E-07	4.44E-07
2062 494911.06, 3859551.99	1.86E-02	5.86E-06	7.73E-07	9.74E-03	3.07E-06	4.06E-07	1.10E-03	3.48E-07	4.59E-08	1.13E-03	3.55E-07	4.69E-08	7.74E-07	4.07E-07
2063 494961.06, 3859551.99	1.77E-02	5.60E-06	7.39E-07	9.34E-03	2.95E-06	3.89E-07	1.09E-03	3.45E-07	4.56E-08	1.12E-03	3.53E-07	4.66E-08	7.40E-07	3.90E-07
2064 495011.06, 3859551.99	1.73E-02	5.46E-06	7.21E-07	9.13E-03	2.88E-06	3.80E-07	1.09E-03	3.43E-07	4.52E-08	1.11E-03	3.51E-07	4.63E-08	7.22E-07	3.81E-07

2065 495061.06, 3859551.99	1.70E-02	5.37E-06	7.09E-07	8.97E-03	2.83E-06	3.74E-07	1.07E-03	3.39E-07	4.48E-08	1.10E-03	3.47E-07	4.58E-08	7.10E-07	3.75E-07
2066 495111.06, 3859551.99	1.68E-02	5.29E-06	6.98E-07	8.84E-03	2.79E-06	3.68E-07	1.06E-03	3.35E-07	4.42E-08	1.09E-03	3.44E-07	4.54E-08	6.99E-07	3.69E-07
2067 495161.06, 3859551.99	1.66E-02	5.23E-06	6.90E-07	8.75E-03	2.76E-06	3.64E-07	1.05E-03	3.33E-07	4.39E-08	1.08E-03	3.42E-07	4.51E-08	6.92E-07	3.66E-07
2068 495211.06, 3859551.99	1.64E-02	5.18E-06	6.84E-07	8.66E-03	2.73E-06	3.61E-07	1.05E-03	3.31E-07	4.37E-08	1.08E-03	3.40E-07	4.49E-08	6.85E-07	3.62E-07
2069 495261.06, 3859551.99	1.62E-02	5.12E-06	6.76E-07	8.57E-03	2.71E-06	3.57E-07	1.04E-03	3.28E-07	4.33E-08	1.07E-03	3.36E-07	4.44E-08	6.77E-07	3.58E-07
2070 495311.06, 3859551.99	1.61E-02	5.07E-06	6.70E-07	8.49E-03	2.68E-06	3.54E-07	1.03E-03	3.25E-07	4.29E-08	1.06E-03	3.34E-07	4.41E-08	6.71E-07	3.55E-07
2071 495361.06, 3859551.99	1.59E-02	5.03E-06	6.64E-07	8.41E-03	2.66E-06	3.51E-07	1.02E-03	3.23E-07	4.26E-08	1.05E-03	3.32E-07	4.38E-08	6.65E-07	3.52E-07
2072 495411.06, 3859551.99	1.58E-02	4.98E-06	6.58E-07	8.34E-03	2.63E-06	3.48E-07	1.02E-03	3.21E-07	4.24E-08	1.04E-03	3.30E-07	4.35E-08	6.59E-07	3.49E-07
2073 495461.06, 3859551.99	1.57E-02	4.94E-06	6.52E-07	8.27E-03	2.61E-06	3.44E-07	1.00E-03	3.17E-07	4.18E-08	1.03E-03	3.26E-07	4.30E-08	6.53E-07	3.46E-07
2074 495511.06, 3859551.99	1.55E-02	4.89E-06	6.46E-07	8.18E-03	2.58E-06	3.41E-07	9.92E-04	3.13E-07	4.13E-08	1.02E-03	3.22E-07	4.25E-08	6.47E-07	3.42E-07
2075 495561.06, 3859551.99	1.54E-02	4.85E-06	6.40E-07	8.11E-03	2.56E-06	3.38E-07	9.84E-04	3.10E-07	4.10E-08	1.01E-03	3.19E-07	4.22E-08	6.41E-07	3.39E-07
2076 495611.06, 3859551.99	1.52E-02	4.81E-06	6.35E-07	8.04E-03	2.54E-06	3.35E-07	9.74E-04	3.08E-07	4.06E-08	1.00E-03	3.17E-07	4.18E-08	6.36E-07	3.36E-07
2077 495661.06, 3859551.99	1.51E-02	4.77E-06	6.29E-07	7.97E-03	2.52E-06	3.32E-07	9.65E-04	3.05E-07	4.02E-08	9.94E-04	3.14E-07	4.14E-08	6.30E-07	3.33E-07
2078 494311.06, 3859601.99	1.87E-02	5.92E-06	7.81E-07	9.98E-03	3.15E-06	4.16E-07	1.33E-03	4.19E-07	5.53E-08	1.35E-03	4.26E-07	5.62E-08	7.82E-07	4.17E-07
2079 494361.06, 3859601.99	1.88E-02	5.93E-06	7.82E-07	9.97E-03	3.15E-06	4.15E-07	1.29E-03	4.06E-07	5.36E-08	1.31E-03	4.13E-07	5.45E-08	7.83E-07	4.16E-07
2080 494411.06, 3859601.99	1.91E-02	6.02E-06	7.95E-07	1.01E-02	3.19E-06	4.21E-07	1.27E-03	3.99E-07	5.27E-08	1.29E-03	4.06E-07	5.37E-08	7.95E-07	4.22E-07
2081 494461.06, 3859601.99	1.97E-02	6.23E-06	8.23E-07	1.04E-02	3.29E-06	4.34E-07	1.26E-03	3.99E-07	5.27E-08	1.29E-03	4.06E-07	5.37E-08	8.24E-07	4.35E-07
2082 494511.06, 3859601.99	1.94E-02	6.11E-06	8.07E-07	1.02E-02	3.23E-06	4.26E-07	1.24E-03	3.91E-07	5.16E-08	1.26E-03	3.98E-07	5.26E-08	8.08E-07	4.27E-07
2083 494561.06, 3859601.99	1.89E-02	5.97E-06	7.88E-07	1.00E-02	3.16E-06	4.17E-07	1.23E-03	3.90E-07	5.14E-08	1.26E-03	3.97E-07	5.24E-08	7.89E-07	4.18E-07
2084 494611.06, 3859601.99	1.86E-02	5.88E-06	7.76E-07	9.86E-03	3.11E-06	4.11E-07	1.23E-03	3.87E-07	5.11E-08	1.25E-03	3.94E-07	5.20E-08	7.77E-07	4.12E-07
2085 494661.06, 3859601.99	1.85E-02	5.82E-06	7.69E-07	9.75E-03	3.08E-06	4.06E-07	1.20E-03	3.78E-07	4.99E-08	1.22E-03	3.85E-07	5.08E-08	7.70E-07	4.07E-07
2086 494711.06, 3859601.99	1.83E-02	5.77E-06	7.62E-07	9.66E-03	3.05E-06	4.03E-07	1.17E-03	3.71E-07	4.89E-08	1.20E-03	3.79E-07	5.00E-08	7.63E-07	4.04E-07
2087 494761.06, 3859601.99	1.81E-02	5.71E-06	7.54E-07	9.57E-03	3.02E-06	3.99E-07	1.18E-03	3.73E-07	4.93E-08	1.21E-03	3.81E-07	5.03E-08	7.55E-07	4.00E-07
2088 494811.06, 3859601.99	1.79E-02	5.66E-06	7.47E-07	9.47E-03	2.99E-06	3.95E-07	1.16E-03	3.65E-07	4.82E-08	1.18E-03	3.73E-07	4.92E-08	7.48E-07	3.96E-07
2089 494861.06, 3859601.99	1.77E-02	5.58E-06	7.36E-07	9.34E-03	2.95E-06	3.89E-07	1.15E-03	3.62E-07	4.78E-08	1.17E-03	3.69E-07	4.88E-08	7.37E-07	3.90E-07
2090 494911.06, 3859601.99	1.74E-02	5.49E-06	7.25E-07	9.20E-03	2.90E-06	3.83E-07	1.13E-03	3.56E-07	4.70E-08	1.15E-03	3.64E-07	4.80E-08	7.26E-07	3.84E-07
2091 494961.06, 3859601.99	1.71E-02	5.41E-06	7.14E-07	9.07E-03	2.86E-06	3.78E-07	1.13E-03	3.55E-07	4.69E-08	1.15E-03	3.63E-07	4.79E-08	7.15E-07	3.79E-07
2092 495011.06, 3859601.99	1.69E-02	5.34E-06	7.05E-07	8.95E-03	2.83E-06	3.73E-07	1.11E-03	3.50E-07	4.61E-08	1.13E-03	3.58E-07	4.72E-08	7.06E-07	3.74E-07
2093 495061.06, 3859601.99	1.67E-02	5.28E-06	6.97E-07	8.85E-03	2.79E-06	3.69E-07	1.10E-03	3.48E-07	4.59E-08	1.13E-03	3.56E-07	4.70E-08	6.98E-07	3.70E-07
2094 495111.06, 3859601.99	1.65E-02	5.22E-06	6.89E-07	8.76E-03	2.76E-06	3.65E-07	1.09E-03	3.44E-07	4.54E-08	1.11E-03	3.52E-07	4.64E-08	6.90E-07	3.66E-07
2095 495161.06, 3859601.99	1.64E-02	5.17E-06	6.82E-07	8.67E-03	2.74E-06	3.61E-07	1.08E-03	3.42E-07	4.51E-08	1.11E-03	3.50E-07	4.62E-08	6.83E-07	3.62E-07
2096 495211.06, 3859601.99	1.62E-02	5.12E-06	6.76E-07	8.59E-03	2.71E-06	3.58E-07	1.07E-03	3.39E-07	4.47E-08	1.10E-03	3.47E-07	4.58E-08	6.77E-07	3.59E-07
2097 495261.06, 3859601.99	1.61E-02	5.07E-06	6.70E-07	8.51E-03	2.69E-06	3.55E-07	1.07E-03	3.37E-07	4.44E-08	1.09E-03	3.45E-07	4.55E-08	6.71E-07	3.56E-07
2098 495311.06, 3859601.99	1.59E-02	5.03E-06	6.64E-07	8.44E-03	2.66E-06	3.52E-07	1.06E-03	3.35E-07	4.42E-08	1.09E-03	3.43E-07	4.53E-08	6.65E-07	3.53E-07
2099 495361.06, 3859601.99	1.58E-02	4.98E-06	6.57E-07	8.36E-03	2.64E-06	3.48E-07	1.05E-03	3.32E-07	4.38E-08	1.08E-03	3.40E-07	4.49E-08	6.59E-07	3.49E-07
2100 495411.06, 3859601.99	1.56E-02	4.94E-06	6.52E-07	8.29E-03	2.62E-06	3.45E-07	1.04E-03	3.30E-07	4.35E-08	1.07E-03	3.38E-07	4.46E-08	6.53E-07	3.47E-07
2101 495461.06, 3859601.99	1.55E-02	4.89E-06	6.46E-07	8.21E-03	2.59E-06	3.42E-07	1.03E-03	3.25E-07	4.29E-08	1.06E-03	3.33E-07	4.40E-08	6.47E-07	3.43E-07
2102 495511.06, 3859601.99	1.53E-02	4.84E-06	6.39E-07	8.12E-03	2.56E-06	3.38E-07	1.01E-03	3.20E-07	4.22E-08	1.04E-03	3.29E-07	4.34E-08	6.40E-07	3.40E-07
2103 495561.06, 3859601.99	1.52E-02	4.81E-06	6.35E-07	8.07E-03	2.55E-06	3.36E-07	1.01E-03	3.19E-07	4.21E-08	1.04E-03	3.28E-07	4.33E-08	6.36E-07	3.37E-07
2104 495611.06, 3859601.99	1.51E-02	4.76E-06	6.29E-07	7.99E-03	2.52E-06	3.33E-07	9.95E-04	3.14E-07	4.14E-08	1.02E-03	3.23E-07	4.26E-08	6.30E-07	3.34E-07
2105 495661.06, 3859601.99	1.50E-02	4.72E-06	6.24E-07	7.92E-03	2.50E-06	3.30E-07	9.88E-04	3.12E-07	4.12E-08	1.02E-03	3.21E-07	4.24E-08	6.25E-07	3.31E-07
2106 494311.06, 3859651.99	1.85E-02	5.85E-06	7.72E-07	9.89E-03	3.12E-06	4.12E-07	1.35E-03	4.26E-07	5.63E-08	1.37E-03	4.33E-07	5.72E-08	7.73E-07	4.13E-07
2107 494361.06, 3859651.99	1.85E-02	5.85E-06	7.72E-07	9.87E-03	3.12E-06	4.11E-07	1.31E-03	4.14E-07	5.46E-08	1.34E-03	4.21E-07	5.56E-08	7.73E-07	4.12E-07
2108 494411.06, 3859651.99	1.88E-02	5.93E-06	7.83E-07	9.99E-03	3.15E-06	4.16E-07	1.30E-03	4.09E-07	5.40E-08	1.32E-03	4.16E-07	5.49E-08	7.84E-07	4.17E-07
2109 494461.06, 3859651.99	1.94E-02	6.12E-06	8.08E-07	1.03E-02	3.24E-06	4.28E-07	1.29E-03	4.08E-07	5.39E-08	1.32E-03	4.16E-07	5.49E-08	8.09E-07	4.29E-07
2110 494511.06, 3859651.99	1.89E-02	5.97E-06	7.87E-07	1.00E-02	3.16E-06	4.18E-07	1.28E-03	4.03E-07	5.32E-08	1.30E-03	4.10E-07	5.41E-08	7.88E-07	4.19E-07
2111 494561.06, 3859651.99	1.83E-02	5.79E-06	7.64E-07	9.75E-03	3.08E-06	4.06E-07	1.27E-03	3.99E-07	5.27E-08	1.29E-03	4.06E-07	5.37E-08	7.65E-07	4.07E-07
2112 494611.06, 3859651.99	1.80E-02	5.69E-06	7.51E-07	9.58E-03	3.02E-06	3.99E-07	1.25E-03	3.96E-07	5.22E-08	1.28E-03	4.03E-07	5.32E-08	7.52E-07	4.00E-07
2113 494661.06, 3859651.99	1.78E-02	5.61E-06	7.41E-07	9.44E-03	2.98E-06	3.93E-07	1.22E-03	3.85E-07	5.08E-08	1.24E-03	3.92E-07	5.18E-08	7.42E-07	3.94E-07
2114 494711.06, 3859651.99	1.76E-02	5.55E-06	7.33E-07	9.34E-03	2.95E-06	3.89E-07	1.21E-03	3.81E-07	5.03E-08	1.23E-03	3.89E-07	5.13E-08	7.34E-07	3.90E-07
2115 494761.06, 3859651.99	1.74E-02	5.50E-06	7.26E-07	9.26E-03	2.92E-06	3.86E-07	1.20E-03	3.80E-07	5.02E-08	1.23E-03	3.88E-07	5.12E-08	7.27E-07	3.87E-07
2116 494811.06, 3859651.99	1.73E-02	5.45E-06	7.19E-07	9.16E-03	2.89E-06	3.82E-07	1.19E-03	3.75E-07	4.95E-08	1.21E-03	3.82E-07	5.05E-08	7.20E-07	3.83E-07
2117 494861.06, 3859651.99	1.71E-02	5.39E-06	7.11E-07	9.07E-03	2.86E-06	3.78E-07	1.18E-03	3.71E-07	4.90E-08	1.20E-03	3.79E-07	5.01E-08	7.12E-07	3.79E-07
2118 494911.06, 3859651.99	1.69E-02	5.33E-06	7.04E-07	8.97E-03	2.83E-06	3.74E-07	1.16E-03	3.67E-07	4.85E-08	1.19E-03	3.75E-07	4.94E-08	7.05E-07	3.75E-07
2119 494961.06, 3859651.99	1.67E-02	5.28E-06	6.97E-07	8.89E-03	2.81E-06	3.70E-07	1.15E-03	3.64E-07	4.80E-08	1.18E-03	3.71E-07	4.90E-08	6.98E-07	3.71E-07
2120 495011.06, 3859651.99	1.66E-02	5.23E-06	6.91E-07	8.81E-03	2.78E-06	3.67E-07	1.14E-03	3.60E-07	4.75E-08	1.17E-03	3.68E-07	4.86E-08	6.92E-07	3.68E-07
2121 495061.06, 3859651.99	1.64E-02	5.18E-06	6.84E-07	8.72E-03	2.75E-06	3.63E-07	1.13E-03	3.57E-07	4.72E-08	1.16E-03	3.65E-07	4.82E-08	6.85E-07	3.64E-07
2122 495111.06, 3859651.99	1.63E-02	5.13E-06	6.78E-07	8.64E-03	2.73E-06	3.60E-07	1.12E-03	3.54E-07	4.67E-08	1.14E-03	3.61E-07	4.77E-08	6.79E-07	3.61E-07
2123 495161.06, 3859651.99	1.61E-02	5.09E-06	6.72E-07	8.56E-03	2.70E-06	3.57E-07	1.11E-03	3.51E-07	4.63E-08	1.14E-03	3.59E-07	4.73E-08	6.73E-07	3.58E-07
2124 495211.06, 3859651.99	1.60E-02	5.04E-06	6.66E-07	8.49E-03	2.68E-06	3.54E-07	1.10E-03	3.48E-07	4.59E-08	1.13E-03	3.56E-07	4.70E-08	6.67E-07	3.55E-07
2125 495261.06, 3859651.99	1.58E-02	5.00E-06	6.60E-07	8.42E-03	2.66E-06	3.51E-07	1.09E-03	3.45E-07	4.56E-08	1.12E-03	3.53E-07	4.66E-08	6.61E-07	3.52E-07
2126 495311.06, 3859651.99	1.57E-02	4.96E-06	6.55E-07	8.35E-03	2.64E-06	3.48E-07	1.09E-03	3.43E-07	4.52E-08	1.11E-03	3.50E-07	4.62E-08	6.56E-07	3.49E-07
2127 495361.06, 3859651.99	1.56E-02	4.92E-06	6.49E-07	8.28E-03	2.61E-06	3.45E-07	1.08E-03	3.40E-07	4.49E-08	1.10E-03	3.48E-07	4.60E-08	6.51E-07	3.46E-07
2128 495411.06, 3859651.99	1.55E-02	4.88E-06	6.44E-07	8.22E-03	2.59E-06	3.42E-07	1.07E-03	3.37E-07	4.45E-08	1.09E-03	3.45E-07	4.56E-08	6.46E-07	3.43E-07
2129 495461.06, 3859651.99	1.53E-02	4.84E-06	6.39E-07	8.15E-03	2.57E-06	3.39E-07	1.05E-03	3.32E-07	4.39E-08	1.08E-03	3.41E-07	4.50E-08	6.40E-07	3.40E-07
2130 495511.06, 3859651.99	1.52E-02	4.80E-06	6.33E-07	8.07E-03	2.55E-06	3.36E-07	1.04E-03	3.28E-07	4.33E-08	1.07E-03	3.37E-07	4.45E-08	6.35E-07	3.37E-07
2131 495561.06, 3859651.99	1.51E-02	4.76E-06	6.28E-07	8.00E-03	2.53E-06	3.33E-07	1.03E-03	3.26E-07	4.30E-08	1.06E-03	3.34E-07	4.41E-08	6.29E-07	3.35E-07
2132 495611.06, 3859651.99	1.50E-02	4.72E-06	6.23E-07	7.94E-03	2.51E-06	3.31E-07	1.02E-03	3.23E-07	4.26E-08	1.05E-03	3.32E-07	4.38E-08	6.24E-07	3.32E-07
2133 495661.06, 3859651.99	1.48E-02	4.68E-06	6.18E-07	7.87E-03	2.48E-06	3.28E-07	1.01E-03	3.19E-07	4.22E-08	1.04E-03	3.28E-07	4.33E-08	6.19E-07	3.29E-07
2134 494311.06, 3859701.99	1.83E-02	5.77E-06	7.62E-07	9.77E-03	3.08E-06	4.07E-07	1.35E-03	4.25E-07	5.61E-08	1.37E-03	4.33E-07	5.71E-08	7.63E-07	4.08E-07
2135 494361.06, 3859701.99	1.83E-02	5.77E-06	7.62E-07	9.76E-03	3.08E-06	4.07E-07	1.33E-03	4.20E-07	5.55E-08	1.35E-03	4.28E-07	5.64E-08	7.63E-07	4.08E-07
2136 494411.06, 3859701.99	1.85E-02	5.85E-06	7.72E-07	9.87E-03	3.12E-06	4.11E-07	1.32E-03	4.17E-07	5.50E-08	1.35E-03	4.25E-07	5.60E-08	7.73E-07	4.12E-07
2137 494461.06, 3859701.99	1.87E-02	5.89E-06	7.78E-07	9.94E-03	3.14E-06	4.14E-07	1.32E-03	4.18E-07	5.51E-08	1.35E-03	4.25E-07	5.61E-08	7.79E-07	4.15E-07
2138 494511.06, 3859701.99	1.86E-02	5.87E-06	7.75E-07	9.90E-03	3.13E-06	4.13E-07	1.31E-03	4.13E-07	5.45E-08	1.33E-03	4.20E-07	5.55E-08	7.76E-07	4.14E-07
2139 494561.06, 3859701.99	1.80E-02	5.69E-06	7.51E-07	9.61E-03	3.03E-06	4.01E-07	1.30E-03	4.09E-07	5.40E-08	1.32E-03	4.17E-07	5.50E-08	7.52E-07	4.02E-07
2140 494611.06, 3859701.99	1.77E-02	5.59E-06	7.37E-07	9.44E-03	2.98E-06	3.93E-07	1.29E-03	4.06E-07	5.36E-08	1.31E-03	4.13E-07	5.45E-08	7.38E-07	3.94E-07
2141 494661.06, 3859701.99	1.75E-02	5.51E-06	7.28E-07	9.31E-03	2.94E-06	3.88E-07	1.25E-03	3.95E-07	5.21E-08	1.27E-03	4.02E-07	5.31E-08	7.29E-07	3.89E-07
2142 494711.06, 3859701.99	1.73E-02	5.45E-06	7.19E-07	9.20E-03	2.90E-06	3.83E-07	1.25E-03	3.93E-07	5.19E-08	1.27E-03	4.00E-07	5.28E-08	7.20E-07	3.84E-07
2143 494761.06, 3859701.99	1.71E-02	5.39E-06	7.11E-07	9.11E-03	2.87E-06	3.79E-07	1.23E-03	3.88E-07	5.12E-08	1.25E-03	3.95E-07	5.22E-08	7.12E-07	3.80E-07
2144 494811.06, 3859701.99	1.69E-02	5.34E-06	7.04E-07	9.01E-03	2.84E-06	3.75E-07	1.21E-03	3.83E-07	5.05E-08	1.24E-03	3.90E-07	5.15E-08	7.05E-07	3.76E-07
2145 494861.06, 3859701.99	1.67E-02	5.28E-06	6.97E-07	8.93E-03	2.82E-06	3.72E-07	1.21E-03	3.81E-07	5.03E-08	1.23E-03	3.89E-07	5.13E-08	6.98E-07	3.73E-07
2146 494911.06, 3859701.99	1.66E-02	5.23E-06	6.91E-07	8.84E-03	2.79E-06	3.68E-07	1.20E-03	3.77E-07	4.98E-08	1.22E-03	3.84E-07	5.07E-08	6.92E-07	3.69E-07
2147 494961.06, 3859701.99	1.64E-02	5.19E-06	6.85E-07	8.76E-03	2.77E-06	3.65E-07	1.18E-03	3.73E-07	4.92E-08	1.20E-03	3.80E-07	5.02E-08	6.86E-07	3.66E-07
2148 495011.06, 3859701.99	1.63E-02	5.14E-06	6.78E-07	8.68E-03	2.74E-06	3.62E-07	1.17E-03	3.70E-07	4.89E-08	1.20E-03	3.78E-07	4.99E-08	6.79E-07	3.63E-07
2149 495061.06, 3859701.99	1.61E-02	5.09E-06	6.72E-07	8.61E-03	2.72E-06	3.59E-07	1.16E-03	3.67E-07	4.84E-08	1.19E-03	3.75E-07	4.94E-08	6.73E-07	3.60E-07
2150 495111.06, 3859701.99	1.60E-02	5.05E-06	6.67E-07	8.54E-03	2.69E-06	3.56E-07	1.15E-03	3.63E-07	4.80E-08	1.18E-03	3.71E-07	4.90E-08	6.68E-07	3.57E-07
2151 495161.06, 3859701.99	1.59E-02	5.01E-06	6.61E-07	8.46E-03	2.67E-06	3.53E-07	1.14E-03	3.59E-07	4.74E-08	1.16E-03	3.67E-07	4.85E-08	6.62E-07	3.54E-07
2152 495211.06, 3859701.99	1.57E-02	4.97E-06	6.56E-07	8.39E-03	2.65E-06	3.50E-07	1.13E-03	3.55E-07	4.69E-08	1.15E-03	3.63E-07	4.79E-08	6.57E-07	3.51E-07
2153 495261.06, 3859701.99	1.56E-02	4.93E-06	6.50E-07	8.32E-03	2.63E-06	3.47E-07	1.12E-03	3.54E-07	4.67E-08	1.15E-03	3.62E-07	4.78E-08	6.51E-07	3.48E-07
2154 495311.06, 3859701.99	1.55E-02	4.89E-06	6.45E-07	8.26E-03	2.61E-06	3.44E-07	1.11E-03	3.51E-07	4.63E-08	1.14E-03	3.59E-07	4.73E-08	6.46E-07	3.45E-07
2155 495361.06, 3859701.99	1.54E-02	4.85E-06	6.40E-07	8.19E-03	2.59E-06	3.41E-07	1.10E-03	3.48E-07	4.59E-08	1.13E-03	3.55E-07	4.69E-08	6.41E-07	3.42E-07
2156 495411.06, 3859701.99	1.52E-02	4.81E-06	6.35E-07	8.12E-03	2.56E-06	3.38E-07	1.09E-03	3.43E-07	4.53E-08	1.11E-03	3.51E-07	4.64E-08	6.36E-07	3.39E-07
2157 495461.06, 3859701.99	1.51E-02	4.77E-06	6.30E-07	8.06E-03	2.54E-06	3.36E-07	1.08E-03	3.40E-07	4.48E-08	1.10E-03	3.48E-07	4.59E-08	6.31E-07	3.37E-07
2158 495511.06, 3859701.99	1.50E-02	4.74E-06	6.25E-07	7.99E-03	2.52E-06	3.33E-07	1.06E-03	3.34E-07	4.41E-08	1.09E-03	3.43E-07	4.52E-08	6.26E-07	3.34E-07

2159 495561.06, 3859701.99	1.49E-02	4.70E-06	6.21E-07	7.94E-03	2.51E-06	3.31E-07	1.06E-03	3.34E-07	4.41E-08	1.08E-03	3.42E-07	4.52E-08	6.22E-07	3.32E-07
2160 495611.06, 3859701.99	1.48E-02	4.67E-06	6.16E-07	7.88E-03	2.49E-06	3.28E-07	1.05E-03	3.31E-07	4.37E-08	1.07E-03	3.39E-07	4.47E-08	6.17E-07	3.29E-07
2161 495661.06, 3859701.99	1.47E-02	4.63E-06	6.11E-07	7.81E-03	2.47E-06	3.25E-07	1.04E-03	3.27E-07	4.32E-08	1.06E-03	3.36E-07	4.43E-08	6.12E-07	3.27E-07
2162 494311.06, 3859751.99	1.80E-02	5.69E-06	7.51E-07	9.67E-03	3.05E-06	4.03E-07	1.39E-03	4.38E-07	5.78E-08	1.41E-03	4.46E-07	5.88E-08	7.52E-07	4.04E-07
2163 494361.06, 3859751.99	1.80E-02	5.69E-06	7.51E-07	9.66E-03	3.05E-06	4.02E-07	1.37E-03	4.33E-07	5.71E-08	1.40E-03	4.40E-07	5.81E-08	7.52E-07	4.04E-07
2164 494411.06, 3859751.99	1.83E-02	5.76E-06	7.61E-07	9.76E-03	3.08E-06	4.07E-07	1.35E-03	4.26E-07	5.63E-08	1.38E-03	4.34E-07	5.73E-08	7.62E-07	4.08E-07
2165 494461.06, 3859751.99	1.84E-02	5.81E-06	7.67E-07	9.84E-03	3.11E-06	4.10E-07	1.35E-03	4.26E-07	5.63E-08	1.37E-03	4.34E-07	5.73E-08	7.68E-07	4.11E-07
2166 494511.06, 3859751.99	1.83E-02	5.78E-06	7.63E-07	9.79E-03	3.09E-06	4.08E-07	1.34E-03	4.24E-07	5.60E-08	1.37E-03	4.32E-07	5.70E-08	7.64E-07	4.09E-07
2167 494561.06, 3859751.99	1.78E-02	5.60E-06	7.40E-07	9.50E-03	3.00E-06	3.96E-07	1.33E-03	4.19E-07	5.53E-08	1.35E-03	4.27E-07	5.64E-08	7.41E-07	3.97E-07
2168 494611.06, 3859751.99	1.74E-02	5.50E-06	7.25E-07	9.32E-03	2.94E-06	3.88E-07	1.31E-03	4.13E-07	5.46E-08	1.33E-03	4.21E-07	5.56E-08	7.26E-07	3.89E-07
2169 494661.06, 3859751.99	1.72E-02	5.42E-06	7.15E-07	9.18E-03	2.90E-06	3.83E-07	1.28E-03	4.03E-07	5.33E-08	1.30E-03	4.11E-07	5.42E-08	7.16E-07	3.83E-07
2170 494711.06, 3859751.99	1.70E-02	5.35E-06	7.07E-07	9.08E-03	2.87E-06	3.78E-07	1.28E-03	4.03E-07	5.32E-08	1.30E-03	4.11E-07	5.42E-08	7.08E-07	3.79E-07
2171 494761.06, 3859751.99	1.68E-02	5.30E-06	6.99E-07	8.98E-03	2.84E-06	3.74E-07	1.27E-03	4.00E-07	5.28E-08	1.29E-03	4.08E-07	5.38E-08	7.00E-07	3.75E-07
2172 494811.06, 3859751.99	1.66E-02	5.24E-06	6.92E-07	8.89E-03	2.81E-06	3.70E-07	1.25E-03	3.95E-07	5.21E-08	1.27E-03	4.02E-07	5.31E-08	6.93E-07	3.71E-07
2173 494861.06, 3859751.99	1.65E-02	5.19E-06	6.85E-07	8.81E-03	2.78E-06	3.67E-07	1.24E-03	3.91E-07	5.16E-08	1.26E-03	3.99E-07	5.26E-08	6.86E-07	3.68E-07
2174 494911.06, 3859751.99	1.63E-02	5.15E-06	6.79E-07	8.73E-03	2.75E-06	3.64E-07	1.23E-03	3.88E-07	5.12E-08	1.25E-03	3.95E-07	5.22E-08	6.80E-07	3.65E-07
2175 494961.06, 3859751.99	1.62E-02	5.10E-06	6.73E-07	8.65E-03	2.73E-06	3.60E-07	1.22E-03	3.84E-07	5.07E-08	1.24E-03	3.92E-07	5.17E-08	6.74E-07	3.61E-07
2176 495011.06, 3859751.99	1.60E-02	5.06E-06	6.67E-07	8.57E-03	2.71E-06	3.57E-07	1.20E-03	3.80E-07	5.02E-08	1.23E-03	3.88E-07	5.12E-08	6.68E-07	3.58E-07
2177 495061.06, 3859751.99	1.59E-02	5.01E-06	6.62E-07	8.50E-03	2.68E-06	3.54E-07	1.20E-03	3.78E-07	4.99E-08	1.22E-03	3.85E-07	5.08E-08	6.63E-07	3.55E-07
2178 495111.06, 3859751.99	1.57E-02	4.97E-06	6.56E-07	8.43E-03	2.66E-06	3.51E-07	1.18E-03	3.74E-07	4.93E-08	1.21E-03	3.81E-07	5.03E-08	6.57E-07	3.52E-07
2179 495161.06, 3859751.99	1.56E-02	4.93E-06	6.51E-07	8.36E-03	2.64E-06	3.48E-07	1.17E-03	3.70E-07	4.88E-08	1.20E-03	3.78E-07	4.98E-08	6.52E-07	3.49E-07
2180 495211.06, 3859751.99	1.55E-02	4.89E-06	6.46E-07	8.29E-03	2.62E-06	3.45E-07	1.16E-03	3.66E-07	4.83E-08	1.18E-03	3.74E-07	4.93E-08	6.47E-07	3.46E-07
2181 495261.06, 3859751.99	1.54E-02	4.85E-06	6.41E-07	8.23E-03	2.60E-06	3.43E-07	1.15E-03	3.63E-07	4.79E-08	1.18E-03	3.71E-07	4.90E-08	6.42E-07	3.44E-07
2182 495311.06, 3859751.99	1.53E-02	4.82E-06	6.36E-07	8.16E-03	2.58E-06	3.40E-07	1.14E-03	3.59E-07	4.74E-08	1.16E-03	3.67E-07	4.85E-08	6.37E-07	3.41E-07
2183 495361.06, 3859751.99	1.51E-02	4.78E-06	6.31E-07	8.10E-03	2.56E-06	3.37E-07	1.13E-03	3.56E-07	4.70E-08	1.15E-03	3.64E-07	4.81E-08	6.32E-07	3.38E-07
2184 495411.06, 3859751.99	1.50E-02	4.74E-06	6.26E-07	8.04E-03	2.54E-06	3.35E-07	1.12E-03	3.53E-07	4.66E-08	1.14E-03	3.61E-07	4.76E-08	6.27E-07	3.36E-07
2185 495461.06, 3859751.99	1.49E-02	4.71E-06	6.21E-07	7.97E-03	2.52E-06	3.32E-07	1.10E-03	3.49E-07	4.60E-08	1.13E-03	3.57E-07	4.71E-08	6.23E-07	3.33E-07
2186 495511.06, 3859751.99	1.48E-02	4.67E-06	6.17E-07	7.91E-03	2.50E-06	3.30E-07	1.09E-03	3.44E-07	4.54E-08	1.11E-03	3.52E-07	4.64E-08	6.18E-07	3.31E-07
2187 495561.06, 3859751.99	1.47E-02	4.64E-06	6.12E-07	7.85E-03	2.48E-06	3.27E-07	1.08E-03	3.41E-07	4.50E-08	1.11E-03	3.49E-07	4.61E-08	6.13E-07	3.28E-07
2188 495611.06, 3859751.99	1.46E-02	4.60E-06	6.07E-07	7.79E-03	2.46E-06	3.24E-07	1.07E-03	3.38E-07	4.46E-08	1.10E-03	3.46E-07	4.57E-08	6.08E-07	3.26E-07
2189 495661.06, 3859751.99	1.45E-02	4.57E-06	6.03E-07	7.73E-03	2.44E-06	3.22E-07	1.06E-03	3.36E-07	4.43E-08	1.09E-03	3.44E-07	4.54E-08	6.04E-07	3.23E-07
2190 494311.06, 3859801.99	1.78E-02	5.61E-06	7.40E-07	9.57E-03	3.02E-06	3.99E-07	1.43E-03	4.51E-07	5.95E-08	1.45E-03	4.59E-07	6.06E-08	7.41E-07	4.00E-07
2191 494361.06, 3859801.99	1.78E-02	5.60E-06	7.40E-07	9.55E-03	3.01E-06	3.98E-07	1.40E-03	4.43E-07	5.85E-08	1.43E-03	4.51E-07	5.96E-08	7.41E-07	3.99E-07
2192 494411.06, 3859801.99	1.80E-02	5.68E-06	7.49E-07	9.65E-03	3.04E-06	4.02E-07	1.38E-03	4.35E-07	5.74E-08	1.41E-03	4.44E-07	5.86E-08	7.51E-07	4.03E-07
2193 494461.06, 3859801.99	1.82E-02	5.75E-06	7.59E-07	9.76E-03	3.08E-06	4.07E-07	1.38E-03	4.35E-07	5.74E-08	1.40E-03	4.43E-07	5.84E-08	7.60E-07	4.08E-07
2194 494511.06, 3859801.99	1.80E-02	5.69E-06	7.51E-07	9.67E-03	3.05E-06	4.03E-07	1.38E-03	4.35E-07	5.74E-08	1.40E-03	4.43E-07	5.84E-08	7.52E-07	4.04E-07
2195 494561.06, 3859801.99	1.75E-02	5.52E-06	7.28E-07	9.39E-03	2.96E-06	3.91E-07	1.36E-03	4.30E-07	5.68E-08	1.39E-03	4.38E-07	5.78E-08	7.29E-07	3.92E-07
2196 494611.06, 3859801.99	1.72E-02	5.42E-06	7.15E-07	9.21E-03	2.91E-06	3.84E-07	1.33E-03	4.21E-07	5.56E-08	1.36E-03	4.29E-07	5.66E-08	7.16E-07	3.85E-07
2197 494661.06, 3859801.99	1.69E-02	5.33E-06	7.04E-07	9.08E-03	2.87E-06	3.78E-07	1.32E-03	4.16E-07	5.50E-08	1.34E-03	4.24E-07	5.60E-08	7.05E-07	3.79E-07
2198 494711.06, 3859801.99	1.67E-02	5.27E-06	6.96E-07	8.97E-03	2.83E-06	3.74E-07	1.30E-03	4.10E-07	5.42E-08	1.32E-03	4.18E-07	5.52E-08	6.97E-07	3.75E-07
2199 494761.06, 3859801.99	1.65E-02	5.21E-06	6.88E-07	8.87E-03	2.80E-06	3.70E-07	1.30E-03	4.10E-07	5.41E-08	1.32E-03	4.18E-07	5.52E-08	6.89E-07	3.71E-07
2200 494811.06, 3859801.99	1.63E-02	5.16E-06	6.81E-07	8.79E-03	2.77E-06	3.66E-07	1.28E-03	4.05E-07	5.35E-08	1.31E-03	4.13E-07	5.45E-08	6.82E-07	3.67E-07
2201 494861.06, 3859801.99	1.62E-02	5.11E-06	6.74E-07	8.70E-03	2.75E-06	3.62E-07	1.27E-03	4.02E-07	5.31E-08	1.30E-03	4.10E-07	5.41E-08	6.75E-07	3.63E-07
2202 494911.06, 3859801.99	1.60E-02	5.06E-06	6.68E-07	8.62E-03	2.72E-06	3.59E-07	1.26E-03	3.97E-07	5.24E-08	1.28E-03	4.04E-07	5.34E-08	6.69E-07	3.60E-07
2203 494961.06, 3859801.99	1.59E-02	5.02E-06	6.62E-07	8.54E-03	2.70E-06	3.56E-07	1.25E-03	3.93E-07	5.19E-08	1.27E-03	4.01E-07	5.29E-08	6.63E-07	3.57E-07
2204 495011.06, 3859801.99	1.58E-02	4.98E-06	6.57E-07	8.47E-03	2.67E-06	3.53E-07	1.23E-03	3.90E-07	5.14E-08	1.26E-03	3.97E-07	5.24E-08	6.58E-07	3.54E-07
2205 495061.06, 3859801.99	1.56E-02	4.93E-06	6.51E-07	8.40E-03	2.65E-06	3.50E-07	1.22E-03	3.86E-07	5.10E-08	1.25E-03	3.94E-07	5.20E-08	6.52E-07	3.51E-07
2206 495111.06, 3859801.99	1.55E-02	4.89E-06	6.46E-07	8.33E-03	2.63E-06	3.47E-07	1.21E-03	3.82E-07	5.04E-08	1.23E-03	3.89E-07	5.14E-08	6.47E-07	3.48E-07
2207 495161.06, 3859801.99	1.54E-02	4.85E-06	6.41E-07	8.26E-03	2.61E-06	3.44E-07	1.20E-03	3.78E-07	4.99E-08	1.22E-03	3.85E-07	5.09E-08	6.42E-07	3.45E-07
2208 495211.06, 3859801.99	1.53E-02	4.82E-06	6.36E-07	8.20E-03	2.59E-06	3.41E-07	1.19E-03	3.75E-07	4.95E-08	1.21E-03	3.83E-07	5.05E-08	6.37E-07	3.42E-07
2209 495261.06, 3859801.99	1.51E-02	4.78E-06	6.31E-07	8.13E-03	2.57E-06	3.39E-07	1.17E-03	3.71E-07	4.89E-08	1.20E-03	3.79E-07	5.00E-08	6.32E-07	3.40E-07
2210 495311.06, 3859801.99	1.50E-02	4.74E-06	6.26E-07	8.07E-03	2.55E-06	3.36E-07	1.17E-03	3.68E-07	4.86E-08	1.19E-03	3.76E-07	4.96E-08	6.27E-07	3.37E-07
2211 495361.06, 3859801.99	1.49E-02	4.70E-06	6.21E-07	8.00E-03	2.53E-06	3.33E-07	1.15E-03	3.64E-07	4.81E-08	1.18E-03	3.72E-07	4.92E-08	6.22E-07	3.34E-07
2212 495411.06, 3859801.99	1.48E-02	4.67E-06	6.17E-07	7.94E-03	2.51E-06	3.31E-07	1.14E-03	3.60E-07	4.76E-08	1.17E-03	3.68E-07	4.86E-08	6.18E-07	3.32E-07
2213 495461.06, 3859801.99	1.47E-02	4.64E-06	6.12E-07	7.88E-03	2.49E-06	3.28E-07	1.13E-03	3.57E-07	4.71E-08	1.16E-03	3.65E-07	4.81E-08	6.13E-07	3.29E-07
2214 495511.06, 3859801.99	1.46E-02	4.60E-06	6.08E-07	7.82E-03	2.47E-06	3.26E-07	1.12E-03	3.53E-07	4.65E-08	1.14E-03	3.61E-07	4.76E-08	6.09E-07	3.27E-07
2215 495561.06, 3859801.99	1.45E-02	4.57E-06	6.03E-07	7.76E-03	2.45E-06	3.23E-07	1.11E-03	3.50E-07	4.61E-08	1.13E-03	3.58E-07	4.72E-08	6.04E-07	3.24E-07
2216 495611.06, 3859801.99	1.44E-02	4.53E-06	5.99E-07	7.70E-03	2.43E-06	3.21E-07	1.10E-03	3.48E-07	4.59E-08	1.13E-03	3.56E-07	4.70E-08	6.00E-07	3.22E-07
2217 495661.06, 3859801.99	1.43E-02	4.50E-06	5.95E-07	7.65E-03	2.41E-06	3.19E-07	1.09E-03	3.44E-07	4.54E-08	1.11E-03	3.52E-07	4.64E-08	5.96E-07	3.20E-07
2218 494311.06, 3859851.99	1.75E-02	5.52E-06	7.28E-07	9.45E-03	2.98E-06	3.94E-07	1.46E-03	4.61E-07	6.09E-08	1.49E-03	4.70E-07	6.20E-08	7.29E-07	3.95E-07
2219 494361.06, 3859851.99	1.75E-02	5.51E-06	7.28E-07	9.43E-03	2.98E-06	3.93E-07	1.44E-03	4.55E-07	6.00E-08	1.47E-03	4.64E-07	6.12E-08	7.29E-07	3.94E-07
2220 494411.06, 3859851.99	1.77E-02	5.58E-06	7.37E-07	9.53E-03	3.01E-06	3.97E-07	1.42E-03	4.48E-07	5.91E-08	1.45E-03	4.56E-07	6.03E-08	7.38E-07	3.98E-07
2221 494461.06, 3859851.99	1.79E-02	5.65E-06	7.46E-07	9.62E-03	3.04E-06	4.01E-07	1.40E-03	4.43E-07	5.84E-08	1.43E-03	4.51E-07	5.95E-08	7.47E-07	4.02E-07
2222 494511.06, 3859851.99	1.78E-02	5.62E-06	7.42E-07	9.57E-03	3.02E-06	3.99E-07	1.40E-03	4.41E-07	5.81E-08	1.42E-03	4.49E-07	5.93E-08	7.43E-07	4.00E-07
2223 494561.06, 3859851.99	1.72E-02	5.43E-06	7.17E-07	9.28E-03	2.93E-06	3.86E-07	1.39E-03	4.40E-07	5.81E-08	1.42E-03	4.48E-07	5.92E-08	7.18E-07	3.88E-07
2224 494611.06, 3859851.99	1.69E-02	5.33E-06	7.04E-07	9.10E-03	2.87E-06	3.79E-07	1.36E-03	4.30E-07	5.68E-08	1.39E-03	4.38E-07	5.79E-08	7.05E-07	3.80E-07
2225 494661.06, 3859851.99	1.66E-02	5.25E-06	6.93E-07	8.97E-03	2.83E-06	3.74E-07	1.36E-03	4.28E-07	5.65E-08	1.38E-03	4.36E-07	5.75E-08	6.94E-07	3.75E-07
2226 494711.06, 3859851.99	1.64E-02	5.19E-06	6.85E-07	8.86E-03	2.80E-06	3.69E-07	1.33E-03	4.21E-07	5.55E-08	1.36E-03	4.29E-07	5.66E-08	6.86E-07	3.70E-07
2227 494761.06, 3859851.99	1.62E-02	5.13E-06	6.77E-07	8.76E-03	2.77E-06	3.65E-07	1.33E-03	4.20E-07	5.54E-08	1.35E-03	4.28E-07	5.64E-08	6.78E-07	3.66E-07
2228 494811.06, 3859851.99	1.61E-02	5.08E-06	6.70E-07	8.68E-03	2.74E-06	3.62E-07	1.32E-03	4.15E-07	5.48E-08	1.34E-03	4.23E-07	5.59E-08	6.71E-07	3.63E-07
2229 494861.06, 3859851.99	1.59E-02	5.03E-06	6.64E-07	8.60E-03	2.71E-06	3.58E-07	1.31E-03	4.13E-07	5.45E-08	1.33E-03	4.20E-07	5.55E-08	6.65E-07	3.59E-07
2230 494911.06, 3859851.99	1.58E-02	4.98E-06	6.58E-07	8.52E-03	2.69E-06	3.55E-07	1.29E-03	4.07E-07	5.38E-08	1.32E-03	4.15E-07	5.48E-08	6.59E-07	3.56E-07
2231 494961.06, 3859851.99	1.57E-02	4.94E-06	6.52E-07	8.44E-03	2.67E-06	3.52E-07	1.28E-03	4.04E-07	5.33E-08	1.30E-03	4.12E-07	5.43E-08	6.53E-07	3.53E-07
2232 495011.06, 3859851.99	1.55E-02	4.89E-06	6.46E-07	8.37E-03	2.64E-06	3.49E-07	1.27E-03	4.00E-07	5.28E-08	1.29E-03	4.08E-07	5.38E-08	6.47E-07	3.50E-07
2233 495061.06, 3859851.99	1.54E-02	4.86E-06	6.41E-07	8.30E-03	2.62E-06	3.46E-07	1.26E-03	3.97E-07	5.23E-08	1.28E-03	4.04E-07	5.34E-08	6.42E-07	3.47E-07
2234 495111.06, 3859851.99	1.53E-02	4.81E-06	6.35E-07	8.23E-03	2.60E-06	3.43E-07	1.24E-03	3.92E-07	5.17E-08	1.27E-03	3.99E-07	5.27E-08	6.36E-07	3.44E-07
2235 495161.06, 3859851.99	1.51E-02	4.78E-06	6.31E-07	8.16E-03	2.58E-06	3.40E-07	1.23E-03	3.88E-07	5.12E-08	1.25E-03	3.96E-07	5.22E-08	6.32E-07	3.41E-07
2236 495211.06, 3859851.99	1.50E-02	4.74E-06	6.26E-07	8.10E-03	2.56E-06	3.37E-07	1.22E-03	3.84E-07	5.07E-08	1.24E-03	3.92E-07	5.18E-08	6.27E-07	3.38E-07
2237 495261.06, 3859851.99	1.49E-02	4.70E-06	6.21E-07	8.03E-03	2.53E-06	3.35E-07	1.20E-03	3.80E-07	5.02E-08	1.23E-03	3.88E-07	5.12E-08	6.22E-07	3.36E-07
2238 495311.06, 3859851.99	1.48E-02	4.67E-06	6.16E-07	7.97E-03	2.52E-06	3.32E-07	1.20E-03	3.77E-07	4.98E-08	1.22E-03	3.85E-07	5.08E-08	6.17E-07	3.33E-07
2239 495361.06, 3859851.99	1.47E-02	4.63E-06	6.12E-07	7.91E-03	2.50E-06	3.30E-07	1.18E-03	3.74E-07	4.93E-08	1.21E-03	3.82E-07	5.04E-08	6.13E-07	3.31E-07
2240 495411.06, 3859851.99	1.46E-02	4.60E-06	6.07E-07	7.85E-03	2.48E-06	3.27E-07	1.17E-03	3.70E-07	4.88E-08	1.20E-03	3.78E-07	4.98E-08	6.08E-07	3.28E-07
2241 495461.06, 3859851.99	1.45E-02	4.57E-06	6.03E-07	7.79E-03	2.46E-06	3.25E-07	1.16E-03	3.66E-07	4.83E-08	1.18E-03	3.74E-07	4.93E-08	6.04E-07	3.26E-07
2242 495511.06, 3859851.99	1.44E-02	4.54E-06	5.99E-07	7.73E-03	2.44E-06	3.22E-07	1.15E-03	3.61E-07	4.77E-08	1.17E-03	3.69E-07	4.88E-08	6.00E-07	3.23E-07
2243 495561.06, 3859851.99	1.43E-02	4.50E-06	5.94E-07	7.68E-03	2.42E-06	3.20E-07	1.14E-03	3.59E-07	4.74E-08	1.16E-03	3.67E-07	4.84E-08	5.95E-07	3.21E-07
2244 495611.06, 3859851.99	1.42E-02	4.47E-06	5.90E-07	7.62E-03	2.41E-06	3.18E-07	1.13E-03	3.56E-07	4.71E-08	1.15E-03	3.64E-07	4.81E-08	5.91E-07	3.19E-07
2245 495661.06, 3859851.99	1.41E-02	4.44E-06	5.86E-07	7.56E-03	2.39E-06	3.15E-07	1.12E-03	3.53E-07	4.65E-08	1.14E-03	3.61E-07	4.76E-08	5.87E-07	3.16E-07
2246 494311.06, 3859901.99	1.72E-02	5.43E-06	7.17E-07	9.34E-03	2.95E-06	3.89E-07	1.49E-03	4.72E-07	6.23E-08	1.52E-03	4.81E-07	6.35E-08	7.19E-07	3.91E-07
2247 494361.06, 3859901.99	1.72E-02	5.43E-06	7.17E-07	9.32E-03	2.94E-06	3.88E-07	1.46E-03	4.62E-07	6.10E-08	1.49E-03	4.71E-07	6.22E-08	7.18E-07	3.90E-07
2248 494411.06, 3859901.99	1.74E-02	5.50E-06	7.26E-07	9.42E-03	2.97E-06	3.92E-07	1.45E-03	4.59E-07	6.06E-08	1.48E-03	4.68E-07	6.17E-08	7.27E-07	3.93E-07
2249 494461.06, 3859901.99	1.76E-02	5.55E-06	7.33E-07	9.49E-03	3.00E-06	3.95E-07	1.44E-03	4.54E-07	5.99E-08	1.47E-03	4.63E-07	6.11E-08	7.34E-07	3.97E-07
2250 494511.06, 3859901.99	1.76E-02	5.54E-06	7.32E-07	9.47E-03	2.99E-06	3.94E-07	1.43E-03	4.50E-07	5.95E-08	1.45E-03	4.59E-07	6.06E-08	7.33E-07	3.96E-07
2251 494561.06, 3859901.99	1.69E-02	5.35E-06	7.06E-07	9.17E-03	2.89E-06	3.82E-07	1.43E-03	4.51E-07	5.95E-08	1.46E-03	4.60E-07	6.07E-08	7.07E-07	3.83E-07
2252 494611.06, 3859901.99	1.66E-02	5.25E-06	6.93E-07	9.00E-03	2.84E-06	3.75E-07	1.40E-03	4.41E-07	5.81E-08	1.42E-03	4.49E-07	5.92E-08	6.94E-07	3.76E-07

2253 494661.06, 3859901.99	1.64E-02	5.17E-06	6.82E-07	8.87E-03	2.80E-06	3.70E-07	1.39E-03	4.40E-07	5.81E-08	1.42E-03	4.48E-07	5.92E-08	6.83E-07	3.71E-07
2254 494711.06, 3859901.99	1.62E-02	5.11E-06	6.74E-07	8.76E-03	2.76E-06	3.65E-07	1.36E-03	4.30E-07	5.68E-08	1.39E-03	4.38E-07	5.79E-08	6.75E-07	3.66E-07
2255 494761.06, 3859901.99	1.60E-02	5.05E-06	6.67E-07	8.66E-03	2.73E-06	3.61E-07	1.36E-03	4.29E-07	5.66E-08	1.38E-03	4.37E-07	5.77E-08	6.68E-07	3.62E-07
2256 494811.06, 3859901.99	1.58E-02	4.99E-06	6.59E-07	8.57E-03	2.71E-06	3.57E-07	1.35E-03	4.27E-07	5.63E-08	1.38E-03	4.35E-07	5.74E-08	6.60E-07	3.58E-07
2257 494861.06, 3859901.99	1.57E-02	4.94E-06	6.53E-07	8.49E-03	2.68E-06	3.54E-07	1.34E-03	4.24E-07	5.59E-08	1.37E-03	4.32E-07	5.70E-08	6.54E-07	3.55E-07
2258 494911.06, 3859901.99	1.55E-02	4.90E-06	6.47E-07	8.41E-03	2.66E-06	3.51E-07	1.33E-03	4.18E-07	5.52E-08	1.35E-03	4.26E-07	5.62E-08	6.48E-07	3.52E-07
2259 494961.06, 3859901.99	1.54E-02	4.86E-06	6.41E-07	8.34E-03	2.63E-06	3.47E-07	1.31E-03	4.15E-07	5.48E-08	1.34E-03	4.23E-07	5.58E-08	6.42E-07	3.48E-07
2260 495011.06, 3859901.99	1.53E-02	4.82E-06	6.36E-07	8.27E-03	2.61E-06	3.44E-07	1.30E-03	4.10E-07	5.42E-08	1.32E-03	4.18E-07	5.52E-08	6.37E-07	3.45E-07
2261 495061.06, 3859901.99	1.51E-02	4.78E-06	6.30E-07	8.20E-03	2.59E-06	3.41E-07	1.29E-03	4.06E-07	5.36E-08	1.31E-03	4.14E-07	5.46E-08	6.32E-07	3.42E-07
2262 495111.06, 3859901.99	1.50E-02	4.74E-06	6.26E-07	8.13E-03	2.57E-06	3.39E-07	1.27E-03	4.01E-07	5.29E-08	1.30E-03	4.09E-07	5.40E-08	6.27E-07	3.40E-07
2263 495161.06, 3859901.99	1.49E-02	4.70E-06	6.21E-07	8.06E-03	2.55E-06	3.36E-07	1.26E-03	3.97E-07	5.23E-08	1.28E-03	4.04E-07	5.33E-08	6.22E-07	3.37E-07
2264 495211.06, 3859901.99	1.48E-02	4.67E-06	6.16E-07	8.00E-03	2.53E-06	3.33E-07	1.25E-03	3.94E-07	5.19E-08	1.27E-03	4.01E-07	5.30E-08	6.17E-07	3.34E-07
2265 495261.06, 3859901.99	1.47E-02	4.63E-06	6.11E-07	7.94E-03	2.50E-06	3.31E-07	1.23E-03	3.89E-07	5.13E-08	1.26E-03	3.96E-07	5.23E-08	6.12E-07	3.32E-07
2266 495311.06, 3859901.99	1.46E-02	4.59E-06	6.06E-07	7.87E-03	2.48E-06	3.28E-07	1.22E-03	3.86E-07	5.09E-08	1.25E-03	3.94E-07	5.20E-08	6.07E-07	3.29E-07
2267 495361.06, 3859901.99	1.44E-02	4.56E-06	6.02E-07	7.81E-03	2.47E-06	3.26E-07	1.21E-03	3.82E-07	5.04E-08	1.23E-03	3.89E-07	5.14E-08	6.03E-07	3.26E-07
2268 495411.06, 3859901.99	1.44E-02	4.53E-06	5.98E-07	7.76E-03	2.45E-06	3.23E-07	1.20E-03	3.78E-07	4.99E-08	1.22E-03	3.85E-07	5.09E-08	5.99E-07	3.24E-07
2269 495461.06, 3859901.99	1.42E-02	4.50E-06	5.94E-07	7.70E-03	2.43E-06	3.21E-07	1.18E-03	3.74E-07	4.93E-08	1.21E-03	3.82E-07	5.04E-08	5.95E-07	3.22E-07
2270 495511.06, 3859901.99	1.41E-02	4.46E-06	5.89E-07	7.64E-03	2.41E-06	3.18E-07	1.17E-03	3.71E-07	4.89E-08	1.20E-03	3.79E-07	5.00E-08	5.90E-07	3.19E-07
2271 495561.06, 3859901.99	1.40E-02	4.43E-06	5.85E-07	7.58E-03	2.39E-06	3.16E-07	1.17E-03	3.68E-07	4.86E-08	1.19E-03	3.76E-07	4.96E-08	5.86E-07	3.17E-07
2272 495611.06, 3859901.99	1.39E-02	4.40E-06	5.81E-07	7.53E-03	2.38E-06	3.14E-07	1.15E-03	3.64E-07	4.81E-08	1.18E-03	3.72E-07	4.92E-08	5.82E-07	3.15E-07
2273 495661.06, 3859901.99	1.39E-02	4.37E-06	5.77E-07	7.48E-03	2.36E-06	3.12E-07	1.14E-03	3.60E-07	4.76E-08	1.17E-03	3.68E-07	4.86E-08	5.78E-07	3.13E-07
2274 494311.06, 3859951.99	1.70E-02	5.35E-06	7.07E-07	9.24E-03	2.92E-06	3.85E-07	1.53E-03	4.84E-07	6.38E-08	1.56E-03	4.94E-07	6.51E-08	7.08E-07	3.86E-07
2275 494361.06, 3859951.99	1.70E-02	5.35E-06	7.06E-07	9.22E-03	2.91E-06	3.84E-07	1.51E-03	4.76E-07	6.28E-08	1.54E-03	4.86E-07	6.42E-08	7.08E-07	3.86E-07
2276 494411.06, 3859951.99	1.72E-02	5.42E-06	7.15E-07	9.32E-03	2.94E-06	3.88E-07	1.49E-03	4.70E-07	6.21E-08	1.52E-03	4.80E-07	6.33E-08	7.16E-07	3.89E-07
2277 494461.06, 3859951.99	1.74E-02	5.48E-06	7.23E-07	9.40E-03	2.97E-06	3.92E-07	1.47E-03	4.65E-07	6.13E-08	1.50E-03	4.74E-07	6.26E-08	7.25E-07	3.93E-07
2278 494511.06, 3859951.99	1.73E-02	5.47E-06	7.22E-07	9.38E-03	2.96E-06	3.91E-07	1.46E-03	4.61E-07	6.09E-08	1.49E-03	4.71E-07	6.22E-08	7.24E-07	3.92E-07
2279 494561.06, 3859951.99	1.67E-02	5.27E-06	6.96E-07	9.08E-03	2.87E-06	3.78E-07	1.47E-03	4.63E-07	6.12E-08	1.50E-03	4.72E-07	6.24E-08	6.97E-07	3.80E-07
2280 494611.06, 3859951.99	1.64E-02	5.17E-06	6.83E-07	8.91E-03	2.81E-06	3.71E-07	1.44E-03	4.53E-07	5.98E-08	1.47E-03	4.63E-07	6.11E-08	6.84E-07	3.72E-07
2281 494661.06, 3859951.99	1.61E-02	5.09E-06	6.72E-07	8.77E-03	2.77E-06	3.66E-07	1.43E-03	4.53E-07	5.98E-08	1.46E-03	4.62E-07	6.09E-08	6.73E-07	3.67E-07
2282 494711.06, 3859951.99	1.59E-02	5.03E-06	6.64E-07	8.66E-03	2.73E-06	3.61E-07	1.41E-03	4.44E-07	5.86E-08	1.43E-03	4.52E-07	5.97E-08	6.65E-07	3.62E-07
2283 494761.06, 3859951.99	1.57E-02	4.97E-06	6.56E-07	8.56E-03	2.70E-06	3.57E-07	1.40E-03	4.41E-07	5.82E-08	1.42E-03	4.49E-07	5.93E-08	6.57E-07	3.58E-07
2284 494811.06, 3859951.99	1.56E-02	4.91E-06	6.49E-07	8.47E-03	2.67E-06	3.53E-07	1.38E-03	4.37E-07	5.77E-08	1.41E-03	4.46E-07	5.88E-08	6.50E-07	3.54E-07
2285 494861.06, 3859951.99	1.54E-02	4.86E-06	6.42E-07	8.39E-03	2.65E-06	3.49E-07	1.38E-03	4.35E-07	5.74E-08	1.41E-03	4.44E-07	5.86E-08	6.43E-07	3.51E-07
2286 494911.06, 3859951.99	1.53E-02	4.82E-06	6.36E-07	8.31E-03	2.62E-06	3.46E-07	1.36E-03	4.29E-07	5.66E-08	1.39E-03	4.37E-07	5.77E-08	6.37E-07	3.47E-07
2287 494961.06, 3859951.99	1.51E-02	4.78E-06	6.31E-07	8.24E-03	2.60E-06	3.43E-07	1.34E-03	4.24E-07	5.60E-08	1.37E-03	4.32E-07	5.71E-08	6.32E-07	3.44E-07
2288 495011.06, 3859951.99	1.50E-02	4.74E-06	6.26E-07	8.17E-03	2.58E-06	3.40E-07	1.33E-03	4.20E-07	5.54E-08	1.35E-03	4.28E-07	5.64E-08	6.27E-07	3.41E-07
2289 495061.06, 3859951.99	1.49E-02	4.70E-06	6.20E-07	8.10E-03	2.56E-06	3.37E-07	1.32E-03	4.16E-07	5.49E-08	1.34E-03	4.24E-07	5.60E-08	6.21E-07	3.38E-07
2290 495111.06, 3859951.99	1.48E-02	4.66E-06	6.15E-07	8.03E-03	2.53E-06	3.34E-07	1.30E-03	4.10E-07	5.42E-08	1.33E-03	4.18E-07	5.52E-08	6.16E-07	3.35E-07
2291 495161.06, 3859951.99	1.46E-02	4.62E-06	6.10E-07	7.96E-03	2.51E-06	3.32E-07	1.28E-03	4.05E-07	5.35E-08	1.31E-03	4.14E-07	5.46E-08	6.11E-07	3.33E-07
2292 495211.06, 3859951.99	1.45E-02	4.59E-06	6.06E-07	7.90E-03	2.49E-06	3.29E-07	1.27E-03	4.01E-07	5.29E-08	1.30E-03	4.09E-07	5.40E-08	6.07E-07	3.30E-07
2293 495261.06, 3859951.99	1.44E-02	4.55E-06	6.01E-07	7.83E-03	2.47E-06	3.26E-07	1.26E-03	3.97E-07	5.24E-08	1.28E-03	4.05E-07	5.35E-08	6.02E-07	3.27E-07
2294 495311.06, 3859951.99	1.43E-02	4.52E-06	5.97E-07	7.78E-03	2.46E-06	3.24E-07	1.25E-03	3.95E-07	5.21E-08	1.28E-03	4.03E-07	5.32E-08	5.98E-07	3.25E-07
2295 495361.06, 3859951.99	1.42E-02	4.49E-06	5.92E-07	7.72E-03	2.44E-06	3.22E-07	1.24E-03	3.92E-07	5.17E-08	1.27E-03	3.99E-07	5.27E-08	5.94E-07	3.23E-07
2296 495411.06, 3859951.99	1.41E-02	4.45E-06	5.88E-07	7.66E-03	2.42E-06	3.19E-07	1.23E-03	3.87E-07	5.11E-08	1.25E-03	3.95E-07	5.22E-08	5.89E-07	3.20E-07
2297 495461.06, 3859951.99	1.40E-02	4.42E-06	5.84E-07	7.61E-03	2.40E-06	3.17E-07	1.21E-03	3.83E-07	5.06E-08	1.24E-03	3.91E-07	5.16E-08	5.85E-07	3.18E-07
2298 495511.06, 3859951.99	1.39E-02	4.39E-06	5.80E-07	7.55E-03	2.38E-06	3.14E-07	1.20E-03	3.79E-07	5.01E-08	1.23E-03	3.87E-07	5.11E-08	5.81E-07	3.15E-07
2299 495561.06, 3859951.99	1.38E-02	4.36E-06	5.76E-07	7.50E-03	2.37E-06	3.12E-07	1.20E-03	3.78E-07	4.99E-08	1.22E-03	3.85E-07	5.09E-08	5.77E-07	3.13E-07
2300 495611.06, 3859951.99	1.37E-02	4.33E-06	5.72E-07	7.45E-03	2.35E-06	3.10E-07	1.18E-03	3.73E-07	4.93E-08	1.21E-03	3.81E-07	5.03E-08	5.73E-07	3.11E-07
2301 495661.06, 3859951.99	1.36E-02	4.30E-06	5.68E-07	7.39E-03	2.33E-06	3.08E-07	1.17E-03	3.69E-07	4.87E-08	1.19E-03	3.77E-07	4.97E-08	5.69E-07	3.09E-07
2302 494311.06, 3860001.99	1.68E-02	5.30E-06	6.99E-07	9.18E-03	2.90E-06	3.83E-07	1.57E-03	4.95E-07	6.54E-08	1.60E-03	5.06E-07	6.68E-08	7.01E-07	3.84E-07
2303 494361.06, 3860001.99	1.68E-02	5.31E-06	7.01E-07	9.20E-03	2.90E-06	3.83E-07	1.55E-03	4.89E-07	6.46E-08	1.58E-03	5.00E-07	6.60E-08	7.03E-07	3.84E-07
2304 494411.06, 3860001.99	1.70E-02	5.38E-06	7.10E-07	9.28E-03	2.93E-06	3.87E-07	1.52E-03	4.81E-07	6.35E-08	1.56E-03	4.91E-07	6.49E-08	7.12E-07	3.88E-07
2305 494461.06, 3860001.99	1.73E-02	5.47E-06	7.22E-07	9.42E-03	2.97E-06	3.92E-07	1.51E-03	4.77E-07	6.30E-08	1.54E-03	4.87E-07	6.43E-08	7.24E-07	3.94E-07
2306 494511.06, 3860001.99	1.73E-02	5.45E-06	7.19E-07	9.36E-03	2.96E-06	3.90E-07	1.49E-03	4.71E-07	6.21E-08	1.52E-03	4.81E-07	6.34E-08	7.20E-07	3.91E-07
2307 494561.06, 3860001.99	1.65E-02	5.22E-06	6.89E-07	9.03E-03	2.85E-06	3.76E-07	1.51E-03	4.75E-07	6.27E-08	1.54E-03	4.85E-07	6.41E-08	6.91E-07	3.77E-07
2308 494611.06, 3860001.99	1.62E-02	5.10E-06	6.74E-07	8.83E-03	2.79E-06	3.68E-07	1.48E-03	4.68E-07	6.18E-08	1.51E-03	4.78E-07	6.31E-08	6.75E-07	3.69E-07
2309 494661.06, 3860001.99	1.59E-02	5.01E-06	6.62E-07	8.68E-03	2.74E-06	3.62E-07	1.47E-03	4.65E-07	6.13E-08	1.50E-03	4.74E-07	6.26E-08	6.63E-07	3.63E-07
2310 494711.06, 3860001.99	1.57E-02	4.95E-06	6.54E-07	8.56E-03	2.70E-06	3.57E-07	1.43E-03	4.52E-07	5.97E-08	1.46E-03	4.61E-07	6.09E-08	6.55E-07	3.58E-07
2311 494761.06, 3860001.99	1.55E-02	4.88E-06	6.45E-07	8.46E-03	2.67E-06	3.52E-07	1.43E-03	4.52E-07	5.97E-08	1.46E-03	4.62E-07	6.09E-08	6.46E-07	3.54E-07
2312 494811.06, 3860001.99	1.53E-02	4.83E-06	6.37E-07	8.37E-03	2.64E-06	3.49E-07	1.42E-03	4.49E-07	5.93E-08	1.45E-03	4.59E-07	6.05E-08	6.39E-07	3.50E-07
2313 494861.06, 3860001.99	1.51E-02	4.78E-06	6.31E-07	8.29E-03	2.62E-06	3.45E-07	1.42E-03	4.47E-07	5.91E-08	1.44E-03	4.56E-07	6.02E-08	6.32E-07	3.46E-07
2314 494911.06, 3860001.99	1.50E-02	4.74E-06	6.26E-07	8.20E-03	2.59E-06	3.42E-07	1.38E-03	4.36E-07	5.76E-08	1.41E-03	4.45E-07	5.88E-08	6.27E-07	3.43E-07
2315 494961.06, 3860001.99	1.49E-02	4.69E-06	6.20E-07	8.13E-03	2.56E-06	3.39E-07	1.37E-03	4.34E-07	5.72E-08	1.40E-03	4.43E-07	5.84E-08	6.21E-07	3.40E-07
2316 495011.06, 3860001.99	1.48E-02	4.66E-06	6.15E-07	8.06E-03	2.54E-06	3.36E-07	1.36E-03	4.29E-07	5.66E-08	1.38E-03	4.37E-07	5.77E-08	6.16E-07	3.37E-07
2317 495061.06, 3860001.99	1.46E-02	4.62E-06	6.09E-07	7.99E-03	2.52E-06	3.33E-07	1.35E-03	4.26E-07	5.63E-08	1.38E-03	4.35E-07	5.74E-08	6.10E-07	3.34E-07
2318 495111.06, 3860001.99	1.45E-02	4.58E-06	6.05E-07	7.93E-03	2.50E-06	3.30E-07	1.33E-03	4.21E-07	5.55E-08	1.36E-03	4.29E-07	5.66E-08	6.06E-07	3.31E-07
2319 495161.06, 3860001.99	1.44E-02	4.54E-06	6.00E-07	7.86E-03	2.48E-06	3.27E-07	1.32E-03	4.16E-07	5.49E-08	1.34E-03	4.24E-07	5.60E-08	6.01E-07	3.29E-07
2320 495211.06, 3860001.99	1.43E-02	4.51E-06	5.96E-07	7.80E-03	2.46E-06	3.25E-07	1.31E-03	4.13E-07	5.46E-08	1.34E-03	4.21E-07	5.56E-08	5.97E-07	3.26E-07
2321 495261.06, 3860001.99	1.42E-02	4.48E-06	5.91E-07	7.74E-03	2.44E-06	3.22E-07	1.30E-03	4.09E-07	5.40E-08	1.32E-03	4.17E-07	5.50E-08	5.92E-07	3.24E-07
2322 495311.06, 3860001.99	1.41E-02	4.44E-06	5.87E-07	7.68E-03	2.42E-06	3.20E-07	1.28E-03	4.05E-07	5.35E-08	1.31E-03	4.13E-07	5.45E-08	5.88E-07	3.21E-07
2323 495361.06, 3860001.99	1.40E-02	4.41E-06	5.83E-07	7.62E-03	2.41E-06	3.18E-07	1.26E-03	3.99E-07	5.27E-08	1.29E-03	4.07E-07	5.37E-08	5.84E-07	3.19E-07
2324 495411.06, 3860001.99	1.39E-02	4.38E-06	5.78E-07	7.57E-03	2.39E-06	3.15E-07	1.26E-03	3.98E-07	5.25E-08	1.28E-03	4.05E-07	5.35E-08	5.79E-07	3.16E-07
2325 495461.06, 3860001.99	1.38E-02	4.35E-06	5.74E-07	7.51E-03	2.37E-06	3.13E-07	1.25E-03	3.94E-07	5.19E-08	1.27E-03	4.01E-07	5.30E-08	5.75E-07	3.14E-07
2326 495511.06, 3860001.99	1.37E-02	4.32E-06	5.70E-07	7.46E-03	2.35E-06	3.11E-07	1.23E-03	3.90E-07	5.14E-08	1.26E-03	3.98E-07	5.25E-08	5.71E-07	3.12E-07
2327 495561.06, 3860001.99	1.36E-02	4.29E-06	5.66E-07	7.41E-03	2.34E-06	3.09E-07	1.23E-03	3.88E-07	5.12E-08	1.25E-03	3.96E-07	5.22E-08	5.67E-07	3.10E-07
2328 495611.06, 3860001.99	1.35E-02	4.26E-06	5.62E-07	7.36E-03	2.32E-06	3.06E-07	1.21E-03	3.83E-07	5.06E-08	1.24E-03	3.91E-07	5.16E-08	5.64E-07	3.07E-07
2329 495661.06, 3860001.99	1.34E-02	4.24E-06	5.59E-07	7.31E-03	2.31E-06	3.04E-07	1.20E-03	3.79E-07	5.00E-08	1.22E-03	3.86E-07	5.10E-08	5.60E-07	3.05E-07
2330 494411.06, 3860051.99	1.91E-02	6.01E-06	7.94E-07	1.03E-02	3.25E-06	4.29E-07	1.57E-03	4.95E-07	6.53E-08	1.60E-03	5.06E-07	6.68E-08	7.95E-07	4.30E-07
2331 494461.06, 3860051.99	1.88E-02	5.92E-06	7.82E-07	1.01E-02	3.20E-06	4.22E-07	1.55E-03	4.89E-07	6.45E-08	1.58E-03	5.00E-07	6.60E-08	7.83E-07	4.24E-07
2332 494511.06, 3860051.99	1.72E-02	5.44E-06	7.18E-07	9.37E-03	2.96E-06	3.91E-07	1.53E-03	4.84E-07	6.38E-08	1.57E-03	4.94E-07	6.52E-08	7.19E-07	3.92E-07
2333 494561.06, 3860051.99	1.63E-02	5.15E-06	6.79E-07	8.93E-03	2.82E-06	3.72E-07	1.53E-03	4.84E-07	6.39E-08	1.57E-03	4.95E-07	6.53E-08	6.81E-07	3.73E-07
2334 494611.06, 3860051.99	1.59E-02	5.01E-06	6.61E-07	8.71E-03	2.75E-06	3.63E-07	1.52E-03	4.81E-07	6.35E-08	1.56E-03	4.91E-07	6.49E-08	6.62E-07	3.64E-07
2335 494661.06, 3860051.99	1.56E-02	4.92E-06	6.49E-07	8.56E-03	2.70E-06	3.57E-07	1.51E-03	4.77E-07	6.30E-08	1.54E-03	4.87E-07	6.43E-08	6.50E-07	3.58E-07
2336 494711.06, 3860051.99	1.54E-02	4.86E-06	6.41E-07	8.45E-03	2.67E-06	3.52E-07	1.48E-03	4.68E-07	6.18E-08	1.51E-03	4.78E-07	6.31E-08	6.42E-07	3.53E-07
2337 494761.06, 3860051.99	1.52E-02	4.79E-06	6.33E-07	8.34E-03	2.63E-06	3.48E-07	1.47E-03	4.65E-07	6.13E-08	1.50E-03	4.74E-07	6.26E-08	6.34E-07	3.49E-07
2338 494811.06, 3860051.99	1.50E-02	4.74E-06	6.25E-07	8.26E-03	2.61E-06	3.44E-07	1.47E-03	4.64E-07	6.12E-08	1.50E-03	4.73E-07	6.24E-08	6.27E-07	3.45E-07
2339 494861.06, 3860051.99	1.49E-02	4.69E-06	6.19E-07	8.18E-03	2.58E-06	3.41E-07	1.46E-03	4.62E-07	6.10E-08	1.49E-03	4.71E-07	6.22E-08	6.20E-07	3.42E-07
2340 494911.06, 3860051.99	1.47E-02	4.65E-06	6.14E-07	8.10E-03	2.56E-06	3.37E-07	1.44E-03	4.55E-07	6.00E-08	1.47E-03	4.64E-07	6.13E-08	6.15E-07	3.39E-07
2341 494961.06, 3860051.99	1.46E-02	4.61E-06	6.08E-07	8.02E-03	2.53E-06	3.34E-07	1.42E-03	4.48E-07	5.91E-08	1.45E-03	4.57E-07	6.03E-08	6.09E-07	3.35E-07
2342 495011.06, 3860051.99	1.45E-02	4.57E-06	6.03E-07	7.95E-03	2.51E-06	3.31E-07	1.40E-03	4.42E-07	5.83E-08	1.43E-03	4.51E-07	5.95E-08	6.05E-07	3.33E-07
2343 495061.06, 3860051.99	1.44E-02	4.54E-06	5.99E-07	7.89E-03	2.49E-06	3.29E-07	1.38E-03	4.37E-07	5.77E-08	1.41E-03	4.46E-07	5.88E-08	6.00E-07	3.30E-07
2344 495111.06, 3860051.99	1.43E-02	4.50E-06	5.94E-07	7.82E-03	2.47E-06	3.26E-07	1.36E-03	4.31E-07	5.68E-08	1.39E-03	4.39E-07	5.80E-08	5.95E-07	3.27E-07
2345 495161.06, 3860051.99	1.41E-02	4.47E-06	5.89E-07	7.76E-03	2.45E-06	3.23E-07	1.35E-03	4.26E-07	5.63E-08	1.38E-03	4.35E-07	5.74E-08	5.91E-07	3.24E-07
2346 495211.06, 3860051.99	1.40E-02	4.43E-06	5.85E-07	7.70E-03	2.43E-06	3.21E-07	1.33E-03	4.21E-07	5.56E-08	1.36E-03	4.30E-07	5.67E-08	5.86E-07	3.22E-07

2347	495261.06, 3860051.99	1.39E-02	4.40E-06	5.81E-07	7.64E-03	2.41E-06	3.18E-07	1.33E-03	4.18E-07	5.52E-08	1.35E-03	4.27E-07	5.63E-08	5.82E-07	3.19E-07
2348	495311.06, 3860051.99	1.38E-02	4.37E-06	5.77E-07	7.58E-03	2.39E-06	3.16E-07	1.32E-03	4.15E-07	5.48E-08	1.34E-03	4.23E-07	5.59E-08	5.78E-07	3.17E-07
2349	495361.06, 3860051.99	1.37E-02	4.34E-06	5.73E-07	7.53E-03	2.38E-06	3.14E-07	1.30E-03	4.12E-07	5.44E-08	1.33E-03	4.20E-07	5.55E-08	5.74E-07	3.15E-07
2350	495411.06, 3860051.99	1.36E-02	4.31E-06	5.68E-07	7.47E-03	2.36E-06	3.11E-07	1.29E-03	4.08E-07	5.39E-08	1.32E-03	4.16E-07	5.49E-08	5.69E-07	3.12E-07
2351	495461.06, 3860051.99	1.35E-02	4.28E-06	5.64E-07	7.42E-03	2.34E-06	3.09E-07	1.28E-03	4.04E-07	5.33E-08	1.31E-03	4.12E-07	5.44E-08	5.65E-07	3.10E-07
2352	495511.06, 3860051.99	1.35E-02	4.25E-06	5.61E-07	7.37E-03	2.33E-06	3.07E-07	1.27E-03	4.01E-07	5.29E-08	1.30E-03	4.09E-07	5.40E-08	5.62E-07	3.08E-07
2353	495561.06, 3860051.99	1.34E-02	4.22E-06	5.57E-07	7.32E-03	2.31E-06	3.05E-07	1.26E-03	3.98E-07	5.25E-08	1.28E-03	4.05E-07	5.35E-08	5.58E-07	3.06E-07
2354	495611.06, 3860051.99	1.33E-02	4.19E-06	5.53E-07	7.27E-03	2.29E-06	3.03E-07	1.25E-03	3.93E-07	5.19E-08	1.27E-03	4.01E-07	5.30E-08	5.54E-07	3.04E-07
2355	495661.06, 3860051.99	1.32E-02	4.16E-06	5.50E-07	7.22E-03	2.28E-06	3.01E-07	1.23E-03	3.88E-07	5.12E-08	1.26E-03	3.96E-07	5.23E-08	5.51E-07	3.02E-07
2356	494411.06, 3860101.99	1.71E-02	5.40E-06	7.13E-07	9.36E-03	2.95E-06	3.90E-07	1.59E-03	5.03E-07	6.64E-08	1.63E-03	5.15E-07	6.79E-08	7.15E-07	3.92E-07
2357	494461.06, 3860101.99	1.65E-02	5.20E-06	6.86E-07	9.04E-03	2.85E-06	3.77E-07	1.59E-03	5.03E-07	6.64E-08	1.63E-03	5.14E-07	6.79E-08	6.88E-07	3.78E-07
2358	494511.06, 3860101.99	1.61E-02	5.07E-06	6.69E-07	8.83E-03	2.79E-06	3.68E-07	1.56E-03	4.94E-07	6.52E-08	1.60E-03	5.05E-07	6.67E-08	6.71E-07	3.69E-07
2359	494561.06, 3860101.99	1.57E-02	4.97E-06	6.56E-07	8.67E-03	2.74E-06	3.61E-07	1.56E-03	4.91E-07	6.49E-08	1.59E-03	5.02E-07	6.63E-08	6.57E-07	3.63E-07
2360	494611.06, 3860101.99	1.55E-02	4.88E-06	6.45E-07	8.54E-03	2.69E-06	3.56E-07	1.56E-03	4.92E-07	6.49E-08	1.59E-03	5.03E-07	6.64E-08	6.46E-07	3.57E-07
2361	494661.06, 3860101.99	1.52E-02	4.81E-06	6.35E-07	8.42E-03	2.66E-06	3.51E-07	1.55E-03	4.89E-07	6.45E-08	1.58E-03	5.00E-07	6.60E-08	6.36E-07	3.52E-07
2362	494711.06, 3860101.99	1.51E-02	4.76E-06	6.28E-07	8.32E-03	2.63E-06	3.47E-07	1.52E-03	4.81E-07	6.34E-08	1.56E-03	4.91E-07	6.48E-08	6.29E-07	3.48E-07
2363	494761.06, 3860101.99	1.49E-02	4.70E-06	6.20E-07	8.22E-03	2.60E-06	3.43E-07	1.51E-03	4.77E-07	6.30E-08	1.54E-03	4.87E-07	6.43E-08	6.22E-07	3.44E-07
2364	494811.06, 3860101.99	1.47E-02	4.65E-06	6.14E-07	8.14E-03	2.57E-06	3.39E-07	1.50E-03	4.74E-07	6.26E-08	1.53E-03	4.84E-07	6.39E-08	6.15E-07	3.41E-07
2365	494861.06, 3860101.99	1.45E-02	4.59E-06	6.06E-07	8.05E-03	2.54E-06	3.35E-07	1.51E-03	4.77E-07	6.30E-08	1.54E-03	4.87E-07	6.43E-08	6.07E-07	3.37E-07
2366	494911.06, 3860101.99	1.45E-02	4.57E-06	6.03E-07	7.99E-03	2.52E-06	3.33E-07	1.47E-03	4.63E-07	6.11E-08	1.50E-03	4.72E-07	6.24E-08	6.04E-07	3.34E-07
2367	494961.06, 3860101.99	1.43E-02	4.52E-06	5.97E-07	7.92E-03	2.50E-06	3.30E-07	1.45E-03	4.59E-07	6.06E-08	1.48E-03	4.68E-07	6.18E-08	5.98E-07	3.31E-07
2368	495011.06, 3860101.99	1.42E-02	4.49E-06	5.92E-07	7.85E-03	2.48E-06	3.27E-07	1.43E-03	4.53E-07	5.98E-08	1.46E-03	4.62E-07	6.10E-08	5.94E-07	3.28E-07
2369	495061.06, 3860101.99	1.41E-02	4.45E-06	5.88E-07	7.78E-03	2.46E-06	3.24E-07	1.42E-03	4.47E-07	5.91E-08	1.45E-03	4.56E-07	6.03E-08	5.89E-07	3.25E-07
2370	495111.06, 3860101.99	1.40E-02	4.42E-06	5.84E-07	7.72E-03	2.44E-06	3.22E-07	1.40E-03	4.41E-07	5.81E-08	1.42E-03	4.50E-07	5.94E-08	5.85E-07	3.23E-07
2371	495161.06, 3860101.99	1.39E-02	4.39E-06	5.79E-07	7.66E-03	2.42E-06	3.19E-07	1.39E-03	4.38E-07	5.78E-08	1.42E-03	4.47E-07	5.90E-08	5.80E-07	3.20E-07
2372	495211.06, 3860101.99	1.38E-02	4.36E-06	5.75E-07	7.60E-03	2.40E-06	3.17E-07	1.37E-03	4.33E-07	5.72E-08	1.40E-03	4.42E-07	5.83E-08	5.76E-07	3.18E-07
2373	495261.06, 3860101.99	1.37E-02	4.32E-06	5.71E-07	7.55E-03	2.38E-06	3.14E-07	1.36E-03	4.29E-07	5.66E-08	1.39E-03	4.38E-07	5.78E-08	5.72E-07	3.16E-07
2374	495311.06, 3860101.99	1.36E-02	4.29E-06	5.66E-07	7.49E-03	2.36E-06	3.12E-07	1.35E-03	4.25E-07	5.61E-08	1.37E-03	4.34E-07	5.73E-08	5.67E-07	3.13E-07
2375	495361.06, 3860101.99	1.35E-02	4.26E-06	5.62E-07	7.43E-03	2.35E-06	3.10E-07	1.34E-03	4.23E-07	5.58E-08	1.37E-03	4.31E-07	5.69E-08	5.63E-07	3.11E-07
2376	495411.06, 3860101.99	1.34E-02	4.23E-06	5.59E-07	7.39E-03	2.33E-06	3.08E-07	1.33E-03	4.19E-07	5.53E-08	1.35E-03	4.27E-07	5.64E-08	5.60E-07	3.09E-07
2377	495461.06, 3860101.99	1.33E-02	4.21E-06	5.55E-07	7.33E-03	2.31E-06	3.05E-07	1.31E-03	4.13E-07	5.45E-08	1.33E-03	4.21E-07	5.56E-08	5.56E-07	3.06E-07
2378	495511.06, 3860101.99	1.32E-02	4.17E-06	5.51E-07	7.28E-03	2.30E-06	3.03E-07	1.30E-03	4.10E-07	5.42E-08	1.33E-03	4.19E-07	5.53E-08	5.52E-07	3.04E-07
2379	495561.06, 3860101.99	1.31E-02	4.15E-06	5.48E-07	7.23E-03	2.28E-06	3.01E-07	1.29E-03	4.08E-07	5.38E-08	1.32E-03	4.16E-07	5.49E-08	5.49E-07	3.02E-07
2380	495611.06, 3860101.99	1.31E-02	4.12E-06	5.44E-07	7.18E-03	2.27E-06	2.99E-07	1.28E-03	4.02E-07	5.31E-08	1.30E-03	4.11E-07	5.42E-08	5.45E-07	3.00E-07
2381	495661.06, 3860101.99	1.30E-02	4.09E-06	5.40E-07	7.13E-03	2.25E-06	2.97E-07	1.26E-03	3.99E-07	5.27E-08	1.29E-03	4.07E-07	5.37E-08	5.41E-07	2.98E-07
2382	494861.06, 3860151.99	1.42E-02	4.49E-06	5.93E-07	7.94E-03	2.51E-06	3.31E-07	1.56E-03	4.93E-07	6.51E-08	1.60E-03	5.04E-07	6.65E-08	5.95E-07	3.32E-07
2383	494911.06, 3860151.99	1.42E-02	4.48E-06	5.91E-07	7.88E-03	2.49E-06	3.28E-07	1.51E-03	4.77E-07	6.30E-08	1.54E-03	4.87E-07	6.43E-08	5.92E-07	3.30E-07
2384	494961.06, 3860151.99	1.41E-02	4.44E-06	5.86E-07	7.81E-03	2.46E-06	3.25E-07	1.49E-03	4.71E-07	6.22E-08	1.52E-03	4.81E-07	6.35E-08	5.87E-07	3.27E-07
2385	495011.06, 3860151.99	1.39E-02	4.40E-06	5.81E-07	7.74E-03	2.44E-06	3.22E-07	1.47E-03	4.65E-07	6.13E-08	1.50E-03	4.75E-07	6.27E-08	5.82E-07	3.24E-07
2386	495061.06, 3860151.99	1.38E-02	4.37E-06	5.77E-07	7.68E-03	2.42E-06	3.20E-07	1.45E-03	4.59E-07	6.06E-08	1.49E-03	4.69E-07	6.19E-08	5.78E-07	3.21E-07
2387	495111.06, 3860151.99	1.37E-02	4.34E-06	5.73E-07	7.62E-03	2.41E-06	3.17E-07	1.44E-03	4.54E-07	6.00E-08	1.47E-03	4.64E-07	6.12E-08	5.74E-07	3.19E-07
2388	495161.06, 3860151.99	1.36E-02	4.31E-06	5.69E-07	7.56E-03	2.39E-06	3.15E-07	1.43E-03	4.50E-07	5.94E-08	1.46E-03	4.60E-07	6.07E-08	5.70E-07	3.16E-07
2389	495211.06, 3860151.99	1.35E-02	4.28E-06	5.64E-07	7.51E-03	2.37E-06	3.13E-07	1.41E-03	4.45E-07	5.88E-08	1.44E-03	4.54E-07	6.00E-08	5.66E-07	3.14E-07
2390	495261.06, 3860151.99	1.35E-02	4.25E-06	5.60E-07	7.45E-03	2.35E-06	3.10E-07	1.40E-03	4.42E-07	5.83E-08	1.43E-03	4.51E-07	5.95E-08	5.62E-07	3.12E-07
2391	495311.06, 3860151.99	1.33E-02	4.21E-06	5.56E-07	7.39E-03	2.33E-06	3.08E-07	1.39E-03	4.38E-07	5.78E-08	1.42E-03	4.47E-07	5.90E-08	5.57E-07	3.09E-07
2392	495361.06, 3860151.99	1.33E-02	4.18E-06	5.52E-07	7.34E-03	2.32E-06	3.06E-07	1.38E-03	4.34E-07	5.73E-08	1.40E-03	4.43E-07	5.85E-08	5.53E-07	3.07E-07
2393	495411.06, 3860151.99	1.32E-02	4.16E-06	5.49E-07	7.29E-03	2.30E-06	3.04E-07	1.36E-03	4.30E-07	5.68E-08	1.39E-03	4.39E-07	5.79E-08	5.50E-07	3.05E-07
2394	495461.06, 3860151.99	1.31E-02	4.13E-06	5.45E-07	7.24E-03	2.28E-06	3.02E-07	1.35E-03	4.26E-07	5.63E-08	1.38E-03	4.35E-07	5.74E-08	5.46E-07	3.03E-07
2395	495511.06, 3860151.99	1.30E-02	4.10E-06	5.42E-07	7.19E-03	2.27E-06	3.00E-07	1.33E-03	4.21E-07	5.56E-08	1.36E-03	4.30E-07	5.68E-08	5.43E-07	3.01E-07
2396	495561.06, 3860151.99	1.29E-02	4.08E-06	5.38E-07	7.14E-03	2.25E-06	2.98E-07	1.33E-03	4.18E-07	5.52E-08	1.35E-03	4.27E-07	5.64E-08	5.39E-07	2.99E-07
2397	495611.06, 3860151.99	1.28E-02	4.05E-06	5.35E-07	7.09E-03	2.24E-06	2.96E-07	1.31E-03	4.14E-07	5.46E-08	1.34E-03	4.22E-07	5.58E-08	5.36E-07	2.97E-07
2398	495661.06, 3860151.99	1.28E-02	4.03E-06	5.31E-07	7.04E-03	2.22E-06	2.93E-07	1.30E-03	4.09E-07	5.40E-08	1.32E-03	4.17E-07	5.51E-08	5.32E-07	2.95E-07
2399	495718.25, 3859442.96	1.52E-02	4.80E-06	6.34E-07	7.99E-03	2.52E-06	3.33E-07	9.09E-04	2.87E-07	3.79E-08	9.39E-04	2.96E-07	3.91E-08	6.35E-07	3.34E-07
2400	495818.25, 3859442.96	1.49E-02	4.71E-06	6.22E-07	7.85E-03	2.48E-06	3.27E-07	8.91E-04	2.81E-07	3.71E-08	9.22E-04	2.91E-07	3.84E-08	6.24E-07	3.28E-07
2401	495918.25, 3859442.96	1.47E-02	4.64E-06	6.12E-07	7.72E-03	2.44E-06	3.22E-07	8.79E-04	2.77E-07	3.66E-08	9.09E-04	2.87E-07	3.79E-08	6.14E-07	3.23E-07
2402	496018.25, 3859442.96	1.45E-02	4.57E-06	6.03E-07	7.61E-03	2.40E-06	3.17E-07	8.68E-04	2.74E-07	3.62E-08	8.98E-04	2.83E-07	3.74E-08	6.05E-07	3.18E-07
2403	496118.25, 3859442.96	1.43E-02	4.52E-06	5.97E-07	7.53E-03	2.38E-06	3.14E-07	8.68E-04	2.74E-07	3.62E-08	8.98E-04	2.83E-07	3.74E-08	5.98E-07	3.15E-07
2404	496218.25, 3859442.96	1.42E-02	4.47E-06	5.90E-07	7.45E-03	2.35E-06	3.10E-07	8.65E-04	2.73E-07	3.60E-08	8.96E-04	2.83E-07	3.73E-08	5.91E-07	3.12E-07
2405	496318.25, 3859442.96	1.40E-02	4.41E-06	5.82E-07	7.35E-03	2.32E-06	3.06E-07	8.57E-04	2.70E-07	3.57E-08	8.86E-04	2.80E-07	3.69E-08	5.83E-07	3.08E-07
2406	496418.25, 3859442.96	1.38E-02	4.35E-06	5.74E-07	7.25E-03	2.29E-06	3.02E-07	8.46E-04	2.67E-07	3.52E-08	8.77E-04	2.77E-07	3.65E-08	5.75E-07	3.03E-07
2407	495718.25, 3859542.96	1.50E-02	4.73E-06	6.24E-07	7.90E-03	2.49E-06	3.29E-07	9.51E-04	3.00E-07	3.96E-08	9.81E-04	3.10E-07	4.09E-08	6.25E-07	3.31E-07
2408	495818.25, 3859542.96	1.47E-02	4.65E-06	6.14E-07	7.78E-03	2.46E-06	3.24E-07	9.37E-04	2.96E-07	3.90E-08	9.66E-04	3.05E-07	4.03E-08	6.15E-07	3.25E-07
2409	495918.25, 3859542.96	1.45E-02	4.58E-06	6.04E-07	7.65E-03	2.41E-06	3.19E-07	9.20E-04	2.90E-07	3.83E-08	9.50E-04	3.00E-07	3.96E-08	6.05E-07	3.20E-07
2410	496018.25, 3859542.96	1.43E-02	4.51E-06	5.95E-07	7.53E-03	2.38E-06	3.14E-07	9.05E-04	2.86E-07	3.77E-08	9.37E-04	2.96E-07	3.90E-08	5.96E-07	3.15E-07
2411	496118.25, 3859542.96	1.41E-02	4.45E-06	5.88E-07	7.45E-03	2.35E-06	3.10E-07	9.05E-04	2.86E-07	3.77E-08	9.35E-04	2.95E-07	3.90E-08	5.89E-07	3.12E-07
2412	496218.25, 3859542.96	1.39E-02	4.40E-06	5.80E-07	7.36E-03	2.32E-06	3.07E-07	9.01E-04	2.84E-07	3.75E-08	9.30E-04	2.94E-07	3.88E-08	5.82E-07	3.08E-07
2413	496318.25, 3859542.96	1.38E-02	4.34E-06	5.73E-07	7.27E-03	2.30E-06	3.03E-07	8.94E-04	2.82E-07	3.73E-08	9.24E-04	2.92E-07	3.85E-08	5.74E-07	3.04E-07
2414	496418.25, 3859542.96	1.36E-02	4.28E-06	5.65E-07	7.17E-03	2.26E-06	2.99E-07	8.82E-04	2.78E-07	3.67E-08	9.11E-04	2.87E-07	3.79E-08	5.66E-07	3.00E-07
2415	495718.25, 3859642.96	1.47E-02	4.64E-06	6.13E-07	7.80E-03	2.46E-06	3.25E-07	9.95E-04	3.14E-07	4.14E-08	1.02E-03	3.23E-07	4.26E-08	6.14E-07	3.26E-07
2416	495818.25, 3859642.96	1.45E-02	4.57E-06	6.03E-07	7.67E-03	2.42E-06	3.20E-07	9.76E-04	3.08E-07	4.07E-08	1.01E-03	3.17E-07	4.19E-08	6.04E-07	3.21E-07
2417	495918.25, 3859642.96	1.42E-02	4.49E-06	5.93E-07	7.55E-03	2.38E-06	3.15E-07	9.63E-04	3.04E-07	4.01E-08	9.92E-04	3.13E-07	4.13E-08	5.94E-07	3.16E-07
2418	496018.25, 3859642.96	1.40E-02	4.43E-06	5.85E-07	7.44E-03	2.35E-06	3.10E-07	9.48E-04	2.99E-07	3.95E-08	9.78E-04	3.09E-07	4.07E-08	5.86E-07	3.11E-07
2419	496118.25, 3859642.96	1.39E-02	4.38E-06	5.79E-07	7.38E-03	2.33E-06	3.07E-07	9.49E-04	3.00E-07	3.95E-08	9.78E-04	3.09E-07	4.07E-08	5.80E-07	3.08E-07
2420	496218.25, 3859642.96	1.37E-02	4.33E-06	5.72E-07	7.29E-03	2.30E-06	3.04E-07	9.46E-04	2.99E-07	3.94E-08	9.74E-04	3.08E-07	4.06E-08	5.73E-07	3.05E-07
2421	496318.25, 3859642.96	1.35E-02	4.27E-06	5.64E-07	7.19E-03	2.27E-06	3.00E-07	9.34E-04	2.95E-07	3.89E-08	9.61E-04	3.03E-07	4.01E-08	5.65E-07	3.01E-07
2422	496418.25, 3859642.96	1.32E-02	4.18E-06	5.52E-07	7.03E-03	2.22E-06	2.93E-07	8.99E-04	2.84E-07	3.75E-08	9.29E-04	2.93E-07	3.87E-08	5.53E-07	2.94E-07
2423	495718.25, 3859742.96	1.44E-02	4.54E-06	6.00E-07	7.69E-03	2.43E-06	3.20E-07	1.05E-03	3.31E-07	4.37E-08	1.08E-03	3.40E-07	4.48E-08	6.01E-07	3.21E-07
2424	495818.25, 3859742.96	1.42E-02	4.48E-06	5.91E-07	7.57E-03	2.39E-06	3.16E-07	1.03E-03	3.24E-07	4.28E-08	1.05E-03	3.33E-07	4.39E-08	5.93E-07	3.17E-07
2425	495918.25, 3859742.96	1.40E-02	4.41E-06	5.83E-07	7.46E-03	2.35E-06	3.11E-07	1.01E-03	3.19E-07	4.21E-08	1.04E-03	3.28E-07	4.33E-08	5.84E-07	3.12E-07
2426	496018.25, 3859742.96	1.38E-02	4.35E-06	5.74E-07	7.35E-03	2.32E-06	3.06E-07	9.93E-04	3.13E-07	4.14E-08	1.02E-03	3.22E-07	4.25E-08	5.75E-07	3.07E-07
2427	496118.25, 3859742.96	1.36E-02	4.30E-06	5.67E-07	7.27E-03	2.29E-06	3.03E-07	9.92E-04	3.13E-07	4.13E-08	1.02E-03	3.21E-07	4.24E-08	5.69E-07	3.04E-07
2428	496218.25, 3859742.96	1.34E-02	4.24E-06	5.60E-07	7.19E-03	2.27E-06	2.99E-07	9.95E-04	3.14E-07	4.14E-08	1.02E-03	3.23E-07	4.26E-08	5.61E-07	3.01E-07
2429	496318.25, 3859742.96	1.32E-02	4.17E-06	5.51E-07	7.06E-03	2.23E-06	2.94E-07	9.60E-04	3.03E-07	4.00E-08	9.89E-04	3.12E-07	4.12E-08	5.52E-07	2.95E-07
2430	496418.25, 3859742.96	1.30E-02	4.11E-06	5.42E-07	6.93E-03	2.19E-06	2.89E-07	9.27E-04	2.93E-07	3.86E-08	9.57E-04	3.02E-07	3.98E-08	5.43E-07	2.90E-07
2431	495718.25, 3859842.96	1.40E-02	4.42E-06	5.83E-07	7.52E-03	2.37E-06	3.13E-07	1.10E-03	3.48E-07	4.59E-08	1.13E-03	3.55E-07	4.69E-08	5.84E-07	3.14E-07
2432	495818.25, 3859842.96	1.38E-02	4.35E-06	5.75E-07	7.41E-03	2.34E-06	3.09E-07	1.08E-03	3.42E-07	4.51E-08	1.11E-03	3.50E-07	4.62E-08	5.76E-07	3.10E-07
2433	495918.25, 3859842.96	1.36E-02	4.30E-06	5.67E-07	7.31E-03	2.31E-06	3.05E-07	1.06E-03	3.36E-07	4.43E-08	1.09E-03	3.44E-07	4.54E-08	5.68E-07	3.06E-07
2434	496018.25, 3859842.96	1.34E-02	4.24E-06	5.60E-07	7.22E-03	2.28E-06	3.01E-07	1.05E-03	3.32E-07	4.38E-08	1.08E-03	3.40E-07	4.49E-08	5.61E-07	3.02E-07
2435	496118.25, 3859842.96	1.32E-02	4.18E-06	5.52E-07	7.13E-03	2.25E-06	2.97E-07	1.05E-03	3.32E-07	4.39E-08	1.08E-03	3.41E-07	4.50E-08	5.53E-07	2.98E-07
2436	496218.25, 3859842.96	1.31E-02	4.13E-06	5.45E-07	7.03E-03	2.22E-06	2.93E-07	1.02E-03	3.22E-07	4.26E-08	1.05E-03	3.31E-07	4.37E-08	5.46E-07	2.94E-07
2437	496318.25, 3859842.96	1.29E-02	4.06E-06	5.35E-07	6.88E-03	2.17E-06	2.86E-07	9.62E-04	3.04E-07	4.01E-08	9.91E-04	3.13E-07	4.13E-08	5.37E-07	2.88E-07
2438	496418.25, 3859842.96	1.26E-02	3.96E-06	5.23E-07	6.71E-03	2.12E-06	2.80E-07	9.27E-04	2.93E-07	3.86E-08	9.58E-04	3.02E-07	3.99E-08	5.25E-07	2.81E-07
2439	495718.25, 3859942.96	1.36E-02	4.28E-06	5.65E-07	7.35E-03	2.32E-06	3.06E-07	1.15E-03	3.64E-07	4.81E-08	1.18E-03	3.72E-07	4.92E-08	5.66E-07	3.07E-07
2440	495818.25, 3859942.96	1.34E-02	4.23E-06	5.58E-07	7.25E-03	2.29E-06	3.02E-07	1.13E-03	3.57E-07	4.72E-08	1.16E-03	3.66E-07	4.83E-08	5.59E-07	3.03E-07

2441 495918.25, 3859942.96	1.32E-02	4.17E-06	5.51E-07	7.16E-03	2.26E-06	2.98E-07	1.12E-03	3.53E-07	4.66E-08	1.14E-03	3.61E-07	4.76E-08	5.52E-07	2.99E-07
2442 496018.25, 3859942.96	1.30E-02	4.11E-06	5.43E-07	7.06E-03	2.23E-06	2.94E-07	1.12E-03	3.52E-07	4.65E-08	1.14E-03	3.60E-07	4.75E-08	5.44E-07	2.95E-07
2443 496118.25, 3859942.96	1.29E-02	4.07E-06	5.37E-07	6.97E-03	2.20E-06	2.91E-07	1.09E-03	3.43E-07	4.52E-08	1.11E-03	3.51E-07	4.63E-08	5.38E-07	2.92E-07
2444 496218.25, 3859942.96	1.27E-02	4.02E-06	5.31E-07	6.87E-03	2.17E-06	2.86E-07	1.04E-03	3.28E-07	4.33E-08	1.07E-03	3.37E-07	4.45E-08	5.32E-07	2.87E-07
2445 496318.25, 3859942.96	1.25E-02	3.96E-06	5.23E-07	6.75E-03	2.13E-06	2.81E-07	9.98E-04	3.15E-07	4.16E-08	1.03E-03	3.24E-07	4.27E-08	5.24E-07	2.82E-07
2446 496418.25, 3859942.96	1.22E-02	3.87E-06	5.10E-07	6.57E-03	2.07E-06	2.74E-07	9.48E-04	2.99E-07	3.95E-08	9.78E-04	3.09E-07	4.07E-08	5.11E-07	2.75E-07
2447 496856.82, 3858864.83	1.30E-02	4.12E-06	5.43E-07	6.78E-03	2.14E-06	2.82E-07	6.67E-04	2.11E-07	2.78E-08	6.95E-04	2.19E-07	2.90E-08	5.45E-07	2.84E-07
2448 496956.82, 3858864.83	1.29E-02	4.06E-06	5.36E-07	6.68E-03	2.11E-06	2.78E-07	6.61E-04	2.09E-07	2.75E-08	6.89E-04	2.17E-07	2.87E-08	5.37E-07	2.80E-07
2449 497056.82, 3858864.83	1.27E-02	3.99E-06	5.27E-07	6.58E-03	2.08E-06	2.74E-07	6.55E-04	2.07E-07	2.73E-08	6.82E-04	2.15E-07	2.84E-08	5.28E-07	2.75E-07
2450 497156.82, 3858864.83	1.24E-02	3.93E-06	5.18E-07	6.47E-03	2.04E-06	2.70E-07	6.49E-04	2.05E-07	2.70E-08	6.76E-04	2.13E-07	2.82E-08	5.19E-07	2.71E-07
2451 497256.82, 3858864.83	1.23E-02	3.89E-06	5.13E-07	6.41E-03	2.02E-06	2.67E-07	6.45E-04	2.04E-07	2.69E-08	6.73E-04	2.12E-07	2.80E-08	5.14E-07	2.68E-07
2452 496856.82, 3858964.83	1.32E-02	4.16E-06	5.49E-07	6.85E-03	2.16E-06	2.86E-07	6.88E-04	2.17E-07	2.87E-08	7.17E-04	2.26E-07	2.99E-08	5.50E-07	2.87E-07
2453 496956.82, 3858964.83	1.29E-02	4.08E-06	5.38E-07	6.73E-03	2.12E-06	2.80E-07	6.78E-04	2.14E-07	2.83E-08	7.08E-04	2.24E-07	2.95E-08	5.40E-07	2.82E-07
2454 497056.82, 3858964.83	1.27E-02	4.02E-06	5.30E-07	6.63E-03	2.09E-06	2.76E-07	6.72E-04	2.12E-07	2.80E-08	7.00E-04	2.21E-07	2.92E-08	5.31E-07	2.77E-07
2455 497156.82, 3858964.83	1.25E-02	3.95E-06	5.21E-07	6.52E-03	2.06E-06	2.72E-07	6.66E-04	2.10E-07	2.77E-08	6.94E-04	2.19E-07	2.89E-08	5.22E-07	2.73E-07
2456 497256.82, 3858964.83	1.25E-02	3.94E-06	5.20E-07	6.50E-03	2.05E-06	2.71E-07	6.67E-04	2.11E-07	2.78E-08	6.95E-04	2.19E-07	2.90E-08	5.21E-07	2.72E-07
2457 496856.82, 3859064.83	1.31E-02	4.15E-06	5.48E-07	6.85E-03	2.16E-06	2.85E-07	7.03E-04	2.22E-07	2.93E-08	7.35E-04	2.32E-07	3.06E-08	5.49E-07	2.87E-07
2458 496956.82, 3859064.83	1.29E-02	4.08E-06	5.39E-07	6.74E-03	2.13E-06	2.81E-07	6.96E-04	2.20E-07	2.90E-08	7.26E-04	2.29E-07	3.03E-08	5.40E-07	2.82E-07
2459 497056.82, 3859064.83	1.27E-02	4.02E-06	5.31E-07	6.65E-03	2.10E-06	2.77E-07	6.89E-04	2.18E-07	2.87E-08	7.20E-04	2.27E-07	3.00E-08	5.32E-07	2.78E-07
2460 497156.82, 3859064.83	1.26E-02	3.97E-06	5.24E-07	6.56E-03	2.07E-06	2.73E-07	6.85E-04	2.16E-07	2.85E-08	7.13E-04	2.25E-07	2.97E-08	5.25E-07	2.74E-07
2461 497256.82, 3859064.83	1.26E-02	3.97E-06	5.24E-07	6.56E-03	2.07E-06	2.73E-07	6.89E-04	2.18E-07	2.87E-08	7.18E-04	2.27E-07	2.99E-08	5.25E-07	2.75E-07
2462 496856.82, 3859164.83	1.30E-02	4.11E-06	5.43E-07	6.81E-03	2.15E-06	2.84E-07	7.17E-04	2.26E-07	2.99E-08	7.48E-04	2.36E-07	3.11E-08	5.44E-07	2.85E-07
2463 496956.82, 3859164.83	1.28E-02	4.04E-06	5.34E-07	6.69E-03	2.11E-06	2.79E-07	7.10E-04	2.24E-07	2.96E-08	7.39E-04	2.33E-07	3.08E-08	5.35E-07	2.80E-07
2464 497056.82, 3859164.83	1.27E-02	4.00E-06	5.28E-07	6.62E-03	2.09E-06	2.76E-07	7.05E-04	2.22E-07	2.94E-08	7.35E-04	2.32E-07	3.06E-08	5.29E-07	2.77E-07
2465 497156.82, 3859164.83	1.26E-02	3.98E-06	5.25E-07	6.59E-03	2.08E-06	2.74E-07	7.05E-04	2.22E-07	2.94E-08	7.36E-04	2.32E-07	3.07E-08	5.26E-07	2.76E-07
2466 497256.82, 3859164.83	1.26E-02	3.98E-06	5.25E-07	6.60E-03	2.08E-06	2.75E-07	7.13E-04	2.25E-07	2.97E-08	7.43E-04	2.34E-07	3.09E-08	5.26E-07	2.76E-07
2467 496856.82, 3859264.83	1.29E-02	4.06E-06	5.36E-07	6.73E-03	2.12E-06	2.80E-07	7.32E-04	2.31E-07	3.05E-08	7.61E-04	2.40E-07	3.17E-08	5.37E-07	2.82E-07
2468 496956.82, 3859264.83	1.27E-02	4.02E-06	5.31E-07	6.67E-03	2.11E-06	2.78E-07	7.28E-04	2.30E-07	3.03E-08	7.57E-04	2.39E-07	3.16E-08	5.32E-07	2.79E-07
2469 497056.82, 3859264.83	1.27E-02	3.99E-06	5.27E-07	6.63E-03	2.09E-06	2.76E-07	7.28E-04	2.30E-07	3.03E-08	7.59E-04	2.40E-07	3.16E-08	5.28E-07	2.77E-07
2470 497156.82, 3859264.83	1.26E-02	3.97E-06	5.24E-07	6.59E-03	2.08E-06	2.74E-07	7.28E-04	2.30E-07	3.03E-08	7.59E-04	2.40E-07	3.16E-08	5.25E-07	2.76E-07
2471 497256.82, 3859264.83	1.25E-02	3.96E-06	5.22E-07	6.57E-03	2.07E-06	2.74E-07	7.35E-04	2.32E-07	3.06E-08	7.64E-04	2.41E-07	3.18E-08	5.23E-07	2.75E-07
2472 497088.92, 3858620.93	1.21E-02	3.83E-06	5.05E-07	6.30E-03	1.99E-06	2.62E-07	6.08E-04	1.92E-07	2.53E-08	6.33E-04	2.00E-07	2.64E-08	5.06E-07	2.63E-07
2473 497138.92, 3858620.93	1.21E-02	3.81E-06	5.03E-07	6.27E-03	1.98E-06	2.61E-07	6.06E-04	1.91E-07	2.53E-08	6.33E-04	2.00E-07	2.64E-08	5.04E-07	2.62E-07
2474 497188.92, 3858620.93	1.20E-02	3.78E-06	4.99E-07	6.22E-03	1.96E-06	2.59E-07	6.05E-04	1.91E-07	2.52E-08	6.30E-04	1.99E-07	2.62E-08	5.00E-07	2.60E-07
2475 497238.92, 3858620.93	1.19E-02	3.75E-06	4.96E-07	6.18E-03	1.95E-06	2.57E-07	6.03E-04	1.90E-07	2.51E-08	6.28E-04	1.98E-07	2.62E-08	4.97E-07	2.58E-07
2476 497088.92, 3858670.93	1.21E-02	3.82E-06	5.05E-07	6.29E-03	1.99E-06	2.62E-07	6.14E-04	1.94E-07	2.56E-08	6.40E-04	2.02E-07	2.67E-08	5.06E-07	2.63E-07
2477 497138.92, 3858670.93	1.21E-02	3.82E-06	5.04E-07	6.29E-03	1.99E-06	2.62E-07	6.14E-04	1.94E-07	2.56E-08	6.40E-04	2.02E-07	2.67E-08	5.06E-07	2.63E-07
2478 497188.92, 3858670.93	1.20E-02	3.79E-06	5.00E-07	6.24E-03	1.97E-06	2.60E-07	6.11E-04	1.93E-07	2.55E-08	6.38E-04	2.01E-07	2.66E-08	5.01E-07	2.61E-07
2479 497238.92, 3858670.93	1.20E-02	3.78E-06	4.99E-07	6.22E-03	1.96E-06	2.59E-07	6.11E-04	1.93E-07	2.55E-08	6.37E-04	2.01E-07	2.65E-08	5.00E-07	2.60E-07
2480 497088.92, 3858720.93	1.23E-02	3.89E-06	5.14E-07	6.41E-03	2.02E-06	2.67E-07	6.25E-04	1.97E-07	2.60E-08	6.51E-04	2.06E-07	2.71E-08	5.15E-07	2.68E-07
2481 497138.92, 3858720.93	1.21E-02	3.81E-06	5.03E-07	6.27E-03	1.98E-06	2.61E-07	6.17E-04	1.95E-07	2.57E-08	6.43E-04	2.03E-07	2.68E-08	5.04E-07	2.62E-07
2482 497188.92, 3858720.93	1.20E-02	3.78E-06	4.99E-07	6.23E-03	1.97E-06	2.60E-07	6.16E-04	1.94E-07	2.56E-08	6.41E-04	2.02E-07	2.67E-08	5.01E-07	2.61E-07
2483 497238.92, 3858720.93	1.21E-02	3.82E-06	5.04E-07	6.29E-03	1.98E-06	2.62E-07	6.19E-04	1.95E-07	2.58E-08	6.45E-04	2.03E-07	2.69E-08	5.05E-07	2.63E-07
2484 497088.92, 3858770.93	1.24E-02	3.91E-06	5.16E-07	6.43E-03	2.03E-06	2.68E-07	6.31E-04	1.99E-07	2.63E-08	6.59E-04	2.08E-07	2.75E-08	5.17E-07	2.69E-07
2485 497138.92, 3858770.93	1.23E-02	3.87E-06	5.11E-07	6.37E-03	2.01E-06	2.65E-07	6.28E-04	1.98E-07	2.62E-08	6.55E-04	2.07E-07	2.73E-08	5.12E-07	2.67E-07
2486 497188.92, 3858770.93	1.22E-02	3.85E-06	5.08E-07	6.34E-03	2.00E-06	2.64E-07	6.25E-04	1.97E-07	2.60E-08	6.51E-04	2.06E-07	2.71E-08	5.09E-07	2.65E-07
2487 497238.92, 3858770.93	1.22E-02	3.86E-06	5.10E-07	6.36E-03	2.01E-06	2.65E-07	6.27E-04	1.98E-07	2.61E-08	6.55E-04	2.07E-07	2.73E-08	5.11E-07	2.66E-07
2488 497396.65, 3858622.63	1.21E-02	3.83E-06	5.06E-07	6.31E-03	1.99E-06	2.63E-07	6.13E-04	1.93E-07	2.55E-08	6.40E-04	2.02E-07	2.67E-08	5.07E-07	2.64E-07
2489 497496.65, 3858622.63	1.22E-02	3.86E-06	5.09E-07	6.35E-03	2.00E-06	2.65E-07	6.17E-04	1.95E-07	2.57E-08	6.46E-04	2.04E-07	2.69E-08	5.11E-07	2.66E-07
2490 497596.65, 3858622.63	1.24E-02	3.92E-06	5.18E-07	6.46E-03	2.04E-06	2.69E-07	6.30E-04	1.99E-07	2.62E-08	6.59E-04	2.08E-07	2.75E-08	5.19E-07	2.70E-07
2491 497696.65, 3858622.63	1.24E-02	3.91E-06	5.17E-07	6.45E-03	2.03E-06	2.69E-07	6.33E-04	2.00E-07	2.64E-08	6.63E-04	2.09E-07	2.76E-08	5.18E-07	2.70E-07
2492 497796.65, 3858622.63	1.25E-02	3.93E-06	5.19E-07	6.48E-03	2.04E-06	2.70E-07	6.39E-04	2.02E-07	2.66E-08	6.71E-04	2.12E-07	2.79E-08	5.21E-07	2.71E-07
2493 497896.65, 3858622.63	1.25E-02	3.94E-06	5.21E-07	6.50E-03	2.05E-06	2.71E-07	6.47E-04	2.04E-07	2.70E-08	6.79E-04	2.14E-07	2.83E-08	5.22E-07	2.72E-07
2494 497396.65, 3858722.63	1.23E-02	3.89E-06	5.13E-07	6.40E-03	2.02E-06	2.67E-07	6.31E-04	1.99E-07	2.63E-08	6.59E-04	2.08E-07	2.75E-08	5.14E-07	2.68E-07
2495 497496.65, 3858722.63	1.24E-02	3.91E-06	5.16E-07	6.44E-03	2.03E-06	2.68E-07	6.36E-04	2.01E-07	2.65E-08	6.66E-04	2.10E-07	2.77E-08	5.17E-07	2.69E-07
2496 497596.65, 3858722.63	1.25E-02	3.95E-06	5.22E-07	6.51E-03	2.06E-06	2.71E-07	6.47E-04	2.04E-07	2.70E-08	6.76E-04	2.13E-07	2.82E-08	5.23E-07	2.72E-07
2497 497696.65, 3858722.63	1.25E-02	3.96E-06	5.23E-07	6.53E-03	2.06E-06	2.72E-07	6.52E-04	2.06E-07	2.71E-08	6.82E-04	2.15E-07	2.84E-08	5.24E-07	2.73E-07
2498 497796.65, 3858722.63	1.25E-02	3.95E-06	5.21E-07	6.51E-03	2.06E-06	2.71E-07	6.55E-04	2.07E-07	2.73E-08	6.86E-04	2.16E-07	2.86E-08	5.22E-07	2.73E-07
2499 497896.65, 3858722.63	1.25E-02	3.94E-06	5.20E-07	6.50E-03	2.05E-06	2.71E-07	6.61E-04	2.09E-07	2.75E-08	6.92E-04	2.18E-07	2.88E-08	5.21E-07	2.72E-07
2500 497396.65, 3858822.63	1.24E-02	3.91E-06	5.16E-07	6.45E-03	2.03E-06	2.69E-07	6.47E-04	2.04E-07	2.70E-08	6.74E-04	2.13E-07	2.81E-08	5.17E-07	2.70E-07
2501 497496.65, 3858822.63	1.24E-02	3.92E-06	5.17E-07	6.46E-03	2.04E-06	2.69E-07	6.50E-04	2.05E-07	2.71E-08	6.79E-04	2.14E-07	2.83E-08	5.18E-07	2.70E-07
2502 497596.65, 3858822.63	1.26E-02	3.97E-06	5.24E-07	6.55E-03	2.07E-06	2.73E-07	6.61E-04	2.09E-07	2.75E-08	6.92E-04	2.18E-07	2.88E-08	5.25E-07	2.74E-07
2503 497696.65, 3858822.63	1.25E-02	3.96E-06	5.22E-07	6.53E-03	2.06E-06	2.72E-07	6.67E-04	2.11E-07	2.78E-08	6.97E-04	2.20E-07	2.90E-08	5.24E-07	2.73E-07
2504 497796.65, 3858822.63	1.25E-02	3.94E-06	5.21E-07	6.51E-03	2.06E-06	2.71E-07	6.69E-04	2.11E-07	2.79E-08	7.00E-04	2.21E-07	2.92E-08	5.22E-07	2.73E-07
2505 497896.65, 3858822.63	1.25E-02	3.95E-06	5.21E-07	6.53E-03	2.06E-06	2.72E-07	6.80E-04	2.15E-07	2.83E-08	7.10E-04	2.24E-07	2.96E-08	5.22E-07	2.73E-07
2506 497396.65, 3858922.63	1.24E-02	3.93E-06	5.18E-07	6.48E-03	2.05E-06	2.70E-07	6.63E-04	2.09E-07	2.76E-08	6.92E-04	2.18E-07	2.88E-08	5.19E-07	2.71E-07
2507 497496.65, 3858922.63	1.25E-02	3.96E-06	5.23E-07	6.54E-03	2.06E-06	2.73E-07	6.74E-04	2.13E-07	2.81E-08	7.02E-04	2.22E-07	2.92E-08	5.24E-07	2.74E-07
2508 497596.65, 3858922.63	1.24E-02	3.93E-06	5.18E-07	6.49E-03	2.05E-06	2.70E-07	6.72E-04	2.12E-07	2.80E-08	7.02E-04	2.22E-07	2.92E-08	5.20E-07	2.72E-07
2509 497696.65, 3858922.63	1.25E-02	3.96E-06	5.22E-07	6.54E-03	2.07E-06	2.73E-07	6.83E-04	2.16E-07	2.85E-08	7.13E-04	2.25E-07	2.97E-08	5.24E-07	2.74E-07
2510 497796.65, 3858922.63	1.25E-02	3.95E-06	5.21E-07	6.54E-03	2.06E-06	2.72E-07	6.92E-04	2.19E-07	2.88E-08	7.21E-04	2.28E-07	3.01E-08	5.22E-07	2.74E-07
2511 497896.65, 3858922.63	1.25E-02	3.95E-06	5.22E-07	6.55E-03	2.07E-06	2.73E-07	7.03E-04	2.22E-07	2.93E-08	7.33E-04	2.31E-07	3.05E-08	5.23E-07	2.74E-07
2512 497364.44, 3858201.52	1.17E-02	3.69E-06	4.87E-07	6.05E-03	1.91E-06	2.52E-07	5.66E-04	1.78E-07	2.36E-08	5.89E-04	1.86E-07	2.45E-08	4.88E-07	2.53E-07
2513 497414.44, 3858201.52	1.17E-02	3.71E-06	4.89E-07	6.08E-03	1.92E-06	2.53E-07	5.67E-04	1.79E-07	2.36E-08	5.91E-04	1.86E-07	2.46E-08	4.90E-07	2.54E-07
2514 497464.44, 3858201.52	1.18E-02	3.72E-06	4.91E-07	6.11E-03	1.93E-06	2.54E-07	5.70E-04	1.80E-07	2.38E-08	5.94E-04	1.88E-07	2.48E-08	4.92E-07	2.55E-07
2515 497514.44, 3858201.52	1.18E-02	3.72E-06	4.90E-07	6.10E-03	1.93E-06	2.54E-07	5.72E-04	1.80E-07	2.38E-08	5.96E-04	1.88E-07	2.48E-08	4.91E-07	2.55E-07
2516 497564.44, 3858201.52	1.17E-02	3.70E-06	4.88E-07	6.07E-03	1.92E-06	2.53E-07	5.70E-04	1.80E-07	2.38E-08	5.94E-04	1.88E-07	2.48E-08	4.89E-07	2.54E-07
2517 497614.44, 3858201.52	1.17E-02	3.70E-06	4.88E-07	6.07E-03	1.92E-06	2.53E-07	5.70E-04	1.80E-07	2.38E-08	5.96E-04	1.88E-07	2.48E-08	4.89E-07	2.54E-07
2518 497364.44, 3858251.52	1.18E-02	3.73E-06	4.92E-07	6.12E-03	1.93E-06	2.55E-07	5.73E-04	1.81E-07	2.39E-08	5.97E-04	1.89E-07	2.49E-08	4.93E-07	2.56E-07
2519 497414.44, 3858251.52	1.19E-02	3.75E-06	4.96E-07	6.16E-03	1.94E-06	2.57E-07	5.76E-04	1.82E-07	2.40E-08	6.01E-04	1.90E-07	2.50E-08	4.97E-07	2.58E-07
2520 497464.44, 3858251.52	1.18E-02	3.72E-06	4.92E-07	6.12E-03	1.93E-06	2.55E-07	5.75E-04	1.81E-07	2.40E-08	5.99E-04	1.89E-07	2.50E-08	4.93E-07	2.56E-07
2521 497514.44, 3858251.52	1.17E-02	3.69E-06	4.87E-07	6.06E-03	1.91E-06	2.53E-07	5.72E-04	1.80E-07	2.38E-08	5.97E-04	1.89E-07	2.49E-08	4.88E-07	2.54E-07
2522 497564.44, 3858251.52	1.16E-02	3.68E-06	4.85E-07	6.04E-03	1.91E-06	2.52E-07	5.72E-04	1.80E-07	2.38E-08	5.96E-04	1.88E-07	2.48E-08	4.86E-07	2.53E-07
2523 497614.44, 3858251.52	1.16E-02	3.66E-06	4.83E-07	6.01E-03	1.90E-06	2.50E-07	5.70E-04	1.80E-07	2.38E-08	5.96E-04	1.88E-07	2.48E-08	4.84E-07	2.52E-07
2524 497364.44, 3858301.52	1.19E-02	3.74E-06	4.94E-07	6.14E-03	1.94E-06	2.56E-07	5.78E-04	1.82E-07	2.41E-08	6.02E-04	1.90E-07	2.51E-08	4.95E-07	2.57E-07
2525 497414.44, 3858301.52	1.19E-02	3.75E-06	4.95E-07	6.16E-03	1.94E-06	2.57E-07	5.80E-04	1.83E-07	2.41E-08	6.06E-04	1.91E-07	2.52E-08	4.96E-07	2.58E-07
2526 497464.44, 3858301.52	1.18E-02	3.71E-06	4.90E-07	6.10E-03	1.93E-06	2.54E-07	5.76E-04	1.82E-07	2.40E-08	6.02E-04	1.90E-07	2.51E-08	4.91E-07	2.55E-07
2527 497514.44, 3858301.52	1.17E-02	3.69E-06	4.87E-07	6.06E-03	1.91E-06	2.53E-07	5.75E-04	1.81E-07	2.40E-08	6.01E-04	1.90E-07	2.50E-08	4.88E-07	2.54E-07
2528 497564.44, 3858301.52	1.16E-02	3.66E-06	4.83E-07	6.01E-03	1.90E-06	2.50E-07	5.73E-04	1.81E-07	2.39E-08	5.97E-04	1.89E-07	2.49E-08	4.84E-07	2.51E-07
2529 497614.44, 3858301.52	1.15E-02	3.64E-06	4.80E-07	5.98E-03	1.89E-06	2.49E-07	5.72E-04	1.80E-07	2.38E-08	5.96E-04	1.88E-07	2.48E-08	4.81E-07	2.50E-07
2530 497364.44, 3858351.52	1.19E-02	3.75E-06	4.95E-07	6.16E-03	1.95E-06	2.57E-07	5.83E-04	1.84E-07	2.43E-08	6.09E-04	1.92E-07	2.54E-08	4.97E-07	2.58E-07
2531 497414.44, 3858351.52	1.18E-02	3.73E-06	4.92E-07	6.13E-03	1.93E-06	2.55E-07	5.81E-04	1.83E-07	2.42E-08	6.07E-04	1.92E-07	2.53E-08	4.93E-07	2.56E-07
2532 497464.44, 3858351.52	1.18E-02	3.71E-06	4.90E-07	6.10E-03	1.93E-06	2.54E-07	5.81E-04	1.83E-07	2.42E-08	6.06E-04	1.91E-07	2.52E-08	4.91E-07	2.55E-07
2533 497514.44, 3858351.52	1.17E-02	3.69E-06	4.88E-07	6.07E-03	1.92E-06	2.53E-07	5.80E-04	1.83E-07	2.41E-08	6.04E-04	1.91E-07	2.52E-08	4.89E-07	2.54E-07
2534 497564.44, 3858351.52	1.16E-02	3.65E-06	4.82E-07	6.00E-03	1.89E-06	2.50E-07	5.76E-04	1.82E-07	2.40E-08	6.01E-04	1.90E-07	2.50E-08	4.83E-07	2.51E-07

2535 497614.44, 3858351.52	1.15E-02	3.64E-06	4.80E-07	5.98E-03	1.89E-06	2.49E-07	5.75E-04	1.81E-07	2.40E-08	5.99E-04	1.89E-07	2.50E-08	4.81E-07	2.50E-07
2536 497364.44, 3858401.52	1.18E-02	3.74E-06	4.93E-07	6.14E-03	1.94E-06	2.56E-07	5.84E-04	1.84E-07	2.43E-08	6.09E-04	1.92E-07	2.54E-08	4.94E-07	2.57E-07
2537 497414.44, 3858401.52	1.18E-02	3.72E-06	4.91E-07	6.11E-03	1.93E-06	2.55E-07	5.84E-04	1.84E-07	2.43E-08	6.09E-04	1.92E-07	2.54E-08	4.92E-07	2.56E-07
2538 497464.44, 3858401.52	1.17E-02	3.69E-06	4.88E-07	6.07E-03	1.92E-06	2.53E-07	5.83E-04	1.84E-07	2.43E-08	6.07E-04	1.92E-07	2.53E-08	4.89E-07	2.54E-07
2539 497514.44, 3858401.52	1.16E-02	3.67E-06	4.85E-07	6.04E-03	1.91E-06	2.52E-07	5.81E-04	1.83E-07	2.42E-08	6.06E-04	1.91E-07	2.52E-08	4.86E-07	2.53E-07
2540 497564.44, 3858401.52	1.17E-02	3.69E-06	4.87E-07	6.07E-03	1.92E-06	2.53E-07	5.84E-04	1.84E-07	2.43E-08	6.09E-04	1.92E-07	2.54E-08	4.88E-07	2.54E-07
2541 497614.44, 3858401.52	1.18E-02	3.71E-06	4.90E-07	6.10E-03	1.93E-06	2.54E-07	5.84E-04	1.84E-07	2.43E-08	6.12E-04	1.93E-07	2.55E-08	4.91E-07	2.55E-07
2542 493478.11, 3860497.94	1.58E-02	5.00E-06	6.60E-07	9.55E-03	3.01E-06	3.98E-07	2.85E-03	9.01E-07	1.19E-07	2.96E-03	9.36E-07	1.23E-07	6.64E-07	4.02E-07
2543 493528.11, 3860497.94	1.56E-02	4.94E-06	6.51E-07	9.42E-03	2.97E-06	3.92E-07	2.80E-03	8.84E-07	1.17E-07	2.91E-03	9.18E-07	1.21E-07	6.56E-07	3.97E-07
2544 493478.11, 3860547.94	1.55E-02	4.89E-06	6.45E-07	9.46E-03	2.99E-06	3.94E-07	2.97E-03	9.38E-07	1.24E-07	3.09E-03	9.75E-07	1.29E-07	6.50E-07	3.99E-07
2545 493528.11, 3860547.94	1.53E-02	4.83E-06	6.38E-07	9.34E-03	2.95E-06	3.89E-07	2.92E-03	9.22E-07	1.22E-07	3.03E-03	9.57E-07	1.26E-07	6.43E-07	3.94E-07
2546 493478.11, 3860597.94	1.52E-02	4.79E-06	6.33E-07	9.39E-03	2.96E-06	3.91E-07	3.10E-03	9.77E-07	1.29E-07	3.22E-03	1.02E-06	1.34E-07	6.38E-07	3.96E-07
2547 493528.11, 3860597.94	1.50E-02	4.74E-06	6.26E-07	9.27E-03	2.93E-06	3.86E-07	3.04E-03	9.59E-07	1.27E-07	3.16E-03	9.97E-07	1.32E-07	6.31E-07	3.91E-07
2548 493561.88, 3860524.64	1.53E-02	4.84E-06	6.39E-07	9.29E-03	2.93E-06	3.87E-07	2.82E-03	8.91E-07	1.18E-07	2.93E-03	9.26E-07	1.22E-07	6.43E-07	3.91E-07
2549 493591.88, 3860524.64	1.52E-02	4.81E-06	6.35E-07	9.22E-03	2.91E-06	3.84E-07	2.79E-03	8.79E-07	1.16E-07	2.89E-03	9.12E-07	1.20E-07	6.39E-07	3.88E-07
2550 493561.88, 3860554.64	1.52E-02	4.78E-06	6.31E-07	9.25E-03	2.92E-06	3.85E-07	2.90E-03	9.14E-07	1.21E-07	3.01E-03	9.49E-07	1.25E-07	6.36E-07	3.90E-07
2551 493591.88, 3860554.64	1.51E-02	4.75E-06	6.27E-07	9.17E-03	2.89E-06	3.82E-07	2.85E-03	8.99E-07	1.19E-07	2.96E-03	9.34E-07	1.23E-07	6.32E-07	3.86E-07
2552 492880.5, 3860293.11	2.31E-02	7.30E-06	9.63E-07	1.34E-02	4.24E-06	5.59E-07	3.36E-03	1.06E-06	1.40E-07	3.50E-03	1.10E-06	1.46E-07	9.69E-07	5.65E-07
2553 492930.5, 3860293.11	2.25E-02	7.10E-06	9.37E-07	1.30E-02	4.12E-06	5.43E-07	3.24E-03	1.02E-06	1.35E-07	3.38E-03	1.07E-06	1.41E-07	9.43E-07	5.49E-07
2554 492980.5, 3860293.11	2.20E-02	6.95E-06	9.17E-07	1.27E-02	4.02E-06	5.30E-07	3.13E-03	9.87E-07	1.30E-07	3.25E-03	1.03E-06	1.36E-07	9.22E-07	5.36E-07
2555 493030.5, 3860293.11	2.15E-02	6.79E-06	8.96E-07	1.24E-02	3.90E-06	5.15E-07	2.94E-03	9.28E-07	1.22E-07	3.06E-03	9.65E-07	1.27E-07	9.01E-07	5.20E-07
2556 493080.5, 3860293.11	2.11E-02	6.67E-06	8.81E-07	1.21E-02	3.81E-06	5.03E-07	2.76E-03	8.71E-07	1.15E-07	2.87E-03	9.06E-07	1.20E-07	8.85E-07	5.08E-07
2557 493130.5, 3860293.11	2.08E-02	6.57E-06	8.68E-07	1.19E-02	3.76E-06	4.97E-07	2.78E-03	8.76E-07	1.16E-07	2.88E-03	9.10E-07	1.20E-07	8.72E-07	5.01E-07
2558 493180.5, 3860293.11	2.05E-02	6.46E-06	8.52E-07	1.17E-02	3.71E-06	4.89E-07	2.77E-03	8.75E-07	1.15E-07	2.88E-03	9.08E-07	1.20E-07	8.57E-07	4.94E-07
2559 493230.5, 3860293.11	2.01E-02	6.36E-06	8.39E-07	1.16E-02	3.65E-06	4.82E-07	2.72E-03	8.59E-07	1.13E-07	2.82E-03	8.91E-07	1.18E-07	8.43E-07	4.86E-07
2560 493280.5, 3860293.11	1.99E-02	6.30E-06	8.31E-07	1.14E-02	3.60E-06	4.75E-07	2.62E-03	8.27E-07	1.09E-07	2.72E-03	8.58E-07	1.13E-07	8.35E-07	4.79E-07
2561 493330.5, 3860293.11	1.97E-02	6.21E-06	8.19E-07	1.12E-02	3.54E-06	4.67E-07	2.55E-03	8.04E-07	1.06E-07	2.64E-03	8.34E-07	1.10E-07	8.23E-07	4.71E-07
2562 493380.5, 3860293.11	1.94E-02	6.12E-06	8.08E-07	1.10E-02	3.49E-06	4.60E-07	2.49E-03	7.86E-07	1.04E-07	2.58E-03	8.14E-07	1.08E-07	8.11E-07	4.64E-07
2563 492880.5, 3860343.11	2.19E-02	6.90E-06	9.11E-07	1.29E-02	4.07E-06	5.38E-07	3.51E-03	1.11E-06	1.46E-07	3.66E-03	1.16E-06	1.53E-07	9.17E-07	5.44E-07
2564 492930.5, 3860343.11	2.09E-02	6.61E-06	8.72E-07	1.24E-02	3.91E-06	5.16E-07	3.40E-03	1.07E-06	1.41E-07	3.54E-03	1.12E-06	1.47E-07	8.78E-07	5.22E-07
2565 492980.5, 3860343.11	2.03E-02	6.41E-06	8.46E-07	1.19E-02	3.77E-06	4.98E-07	3.19E-03	1.01E-06	1.33E-07	3.33E-03	1.05E-06	1.39E-07	8.51E-07	5.03E-07
2566 493030.5, 3860343.11	1.98E-02	6.26E-06	8.27E-07	1.17E-02	3.68E-06	4.86E-07	3.09E-03	9.76E-07	1.29E-07	3.22E-03	1.02E-06	1.34E-07	8.32E-07	4.91E-07
2567 493080.5, 3860343.11	1.95E-02	6.15E-06	8.11E-07	1.14E-02	3.59E-06	4.73E-07	2.92E-03	9.22E-07	1.22E-07	3.04E-03	9.59E-07	1.27E-07	8.16E-07	4.78E-07
2568 493130.5, 3860343.11	1.92E-02	6.04E-06	7.98E-07	1.12E-02	3.53E-06	4.66E-07	2.88E-03	9.08E-07	1.20E-07	2.99E-03	9.44E-07	1.25E-07	8.03E-07	4.71E-07
2569 493180.5, 3860343.11	1.88E-02	5.94E-06	7.84E-07	1.10E-02	3.48E-06	4.59E-07	2.87E-03	9.07E-07	1.20E-07	2.99E-03	9.43E-07	1.24E-07	7.89E-07	4.64E-07
2570 493230.5, 3860343.11	1.85E-02	5.85E-06	7.72E-07	1.08E-02	3.42E-06	4.52E-07	2.82E-03	8.91E-07	1.18E-07	2.93E-03	9.25E-07	1.22E-07	7.77E-07	4.56E-07
2571 493280.5, 3860343.11	1.83E-02	5.78E-06	7.62E-07	1.07E-02	3.36E-06	4.44E-07	2.72E-03	8.58E-07	1.13E-07	2.82E-03	8.91E-07	1.18E-07	7.67E-07	4.48E-07
2572 493330.5, 3860343.11	1.81E-02	5.70E-06	7.52E-07	1.05E-02	3.31E-06	4.37E-07	2.63E-03	8.32E-07	1.10E-07	2.73E-03	8.63E-07	1.14E-07	7.56E-07	4.41E-07
2573 493380.5, 3860343.11	1.78E-02	5.63E-06	7.43E-07	1.03E-02	3.26E-06	4.31E-07	2.58E-03	8.13E-07	1.07E-07	2.67E-03	8.43E-07	1.11E-07	7.46E-07	4.35E-07
2574 492880.5, 3860393.11	2.11E-02	6.65E-06	8.78E-07	1.26E-02	3.99E-06	5.26E-07	3.68E-03	1.16E-06	1.53E-07	3.84E-03	1.21E-06	1.60E-07	8.85E-07	5.33E-07
2575 492930.5, 3860393.11	2.02E-02	6.37E-06	8.41E-07	1.21E-02	3.82E-06	5.04E-07	3.54E-03	1.12E-06	1.48E-07	3.70E-03	1.17E-06	1.54E-07	8.47E-07	5.11E-07
2576 492980.5, 3860393.11	1.96E-02	6.18E-06	8.16E-07	1.17E-02	3.70E-06	4.88E-07	3.38E-03	1.07E-06	1.41E-07	3.52E-03	1.11E-06	1.47E-07	8.22E-07	4.94E-07
2577 493030.5, 3860393.11	1.91E-02	6.04E-06	7.97E-07	1.14E-02	3.60E-06	4.75E-07	3.25E-03	1.02E-06	1.35E-07	3.38E-03	1.07E-06	1.41E-07	8.03E-07	4.81E-07
2578 493080.5, 3860393.11	1.88E-02	5.92E-06	7.82E-07	1.11E-02	3.51E-06	4.63E-07	3.06E-03	9.66E-07	1.28E-07	3.19E-03	1.01E-06	1.33E-07	7.87E-07	4.68E-07
2579 493130.5, 3860393.11	1.84E-02	5.82E-06	7.68E-07	1.09E-02	3.45E-06	4.55E-07	3.03E-03	9.56E-07	1.26E-07	3.15E-03	9.94E-07	1.31E-07	7.73E-07	4.60E-07
2580 493180.5, 3860393.11	1.81E-02	5.72E-06	7.56E-07	1.08E-02	3.40E-06	4.49E-07	3.02E-03	9.52E-07	1.26E-07	3.14E-03	9.90E-07	1.31E-07	7.61E-07	4.54E-07
2581 493230.5, 3860393.11	1.79E-02	5.64E-06	7.44E-07	1.06E-02	3.34E-06	4.41E-07	2.94E-03	9.28E-07	1.22E-07	3.05E-03	9.64E-07	1.27E-07	7.49E-07	4.46E-07
2582 493280.5, 3860393.11	1.76E-02	5.56E-06	7.34E-07	1.04E-02	3.28E-06	4.33E-07	2.82E-03	8.91E-07	1.18E-07	2.93E-03	9.26E-07	1.22E-07	7.39E-07	4.38E-07
2583 493330.5, 3860393.11	1.74E-02	5.49E-06	7.24E-07	1.02E-02	3.23E-06	4.26E-07	2.73E-03	8.63E-07	1.14E-07	2.84E-03	8.96E-07	1.18E-07	7.29E-07	4.30E-07
2584 493380.5, 3860393.11	1.72E-02	5.42E-06	7.15E-07	1.01E-02	3.18E-06	4.20E-07	2.67E-03	8.42E-07	1.11E-07	2.77E-03	8.74E-07	1.15E-07	7.19E-07	4.24E-07
2585 492880.5, 3860443.11	1.98E-02	6.24E-06	8.24E-07	1.21E-02	3.82E-06	5.05E-07	3.85E-03	1.22E-06	1.60E-07	4.02E-03	1.27E-06	1.68E-07	8.31E-07	5.12E-07
2586 492930.5, 3860443.11	1.93E-02	6.10E-06	8.05E-07	1.18E-02	3.73E-06	4.92E-07	3.73E-03	1.18E-06	1.55E-07	3.89E-03	1.23E-06	1.62E-07	8.11E-07	4.99E-07
2587 492980.5, 3860443.11	1.89E-02	5.96E-06	7.87E-07	1.15E-02	3.63E-06	4.79E-07	3.57E-03	1.13E-06	1.49E-07	3.73E-03	1.18E-06	1.55E-07	7.94E-07	4.86E-07
2588 493030.5, 3860443.11	1.85E-02	5.85E-06	7.72E-07	1.12E-02	3.55E-06	4.68E-07	3.43E-03	1.08E-06	1.43E-07	3.57E-03	1.13E-06	1.49E-07	7.78E-07	4.74E-07
2589 493080.5, 3860443.11	1.82E-02	5.74E-06	7.58E-07	1.10E-02	3.47E-06	4.58E-07	3.32E-03	1.05E-06	1.38E-07	3.46E-03	1.09E-06	1.44E-07	7.64E-07	4.64E-07
2590 493130.5, 3860443.11	1.79E-02	5.65E-06	7.46E-07	1.08E-02	3.41E-06	4.49E-07	3.21E-03	1.01E-06	1.34E-07	3.35E-03	1.06E-06	1.39E-07	7.51E-07	4.55E-07
2591 493180.5, 3860443.11	1.76E-02	5.56E-06	7.34E-07	1.06E-02	3.35E-06	4.43E-07	3.18E-03	1.00E-06	1.32E-07	3.31E-03	1.04E-06	1.38E-07	7.40E-07	4.48E-07
2592 493230.5, 3860443.11	1.74E-02	5.48E-06	7.23E-07	1.04E-02	3.29E-06	4.34E-07	3.05E-03	9.63E-07	1.27E-07	3.17E-03	1.00E-06	1.32E-07	7.28E-07	4.39E-07
2593 493280.5, 3860443.11	1.71E-02	5.41E-06	7.13E-07	1.02E-02	3.23E-06	4.27E-07	2.95E-03	9.31E-07	1.23E-07	3.07E-03	9.69E-07	1.28E-07	7.18E-07	4.32E-07
2594 493330.5, 3860443.11	1.69E-02	5.33E-06	7.04E-07	1.01E-02	3.17E-06	4.19E-07	2.84E-03	8.95E-07	1.18E-07	2.95E-03	9.30E-07	1.23E-07	7.08E-07	4.23E-07
2595 493380.5, 3860443.11	1.67E-02	5.26E-06	6.95E-07	9.92E-03	3.13E-06	4.13E-07	2.79E-03	8.79E-07	1.16E-07	2.89E-03	9.13E-07	1.21E-07	6.99E-07	4.18E-07
2596 493180.5, 3860493.11	1.72E-02	5.42E-06	7.16E-07	1.05E-02	3.31E-06	4.37E-07	3.31E-03	1.04E-06	1.38E-07	3.44E-03	1.09E-06	1.43E-07	7.22E-07	4.43E-07
2597 493230.5, 3860493.11	1.69E-02	5.34E-06	7.05E-07	1.03E-02	3.25E-06	4.29E-07	3.19E-03	1.01E-06	1.33E-07	3.32E-03	1.05E-06	1.38E-07	7.11E-07	4.34E-07
2598 493280.5, 3860493.11	1.67E-02	5.27E-06	6.96E-07	1.01E-02	3.19E-06	4.21E-07	3.08E-03	9.72E-07	1.28E-07	3.20E-03	1.01E-06	1.33E-07	7.01E-07	4.27E-07
2599 493330.5, 3860493.11	1.65E-02	5.20E-06	6.86E-07	9.95E-03	3.14E-06	4.14E-07	2.99E-03	9.42E-07	1.24E-07	3.11E-03	9.80E-07	1.29E-07	6.91E-07	4.19E-07
2600 493380.5, 3860493.11	1.63E-02	5.13E-06	6.77E-07	9.81E-03	3.09E-06	4.09E-07	2.93E-03	9.25E-07	1.22E-07	3.04E-03	9.61E-07	1.27E-07	6.82E-07	4.13E-07
2601 493330.5, 3860543.11	1.61E-02	5.08E-06	6.71E-07	9.86E-03	3.11E-06	4.11E-07	3.12E-03	9.85E-07	1.30E-07	3.25E-03	1.03E-06	1.35E-07	6.76E-07	4.16E-07
2602 493380.5, 3860543.11	1.59E-02	5.02E-06	6.63E-07	9.72E-03	3.07E-06	4.05E-07	3.06E-03	9.66E-07	1.28E-07	3.18E-03	1.01E-06	1.33E-07	6.68E-07	4.10E-07
2603 494135.94, 3860876.85	1.25E-02	3.93E-06	5.19E-07	8.10E-03	2.56E-06	3.37E-07	3.15E-03	9.95E-07	1.31E-07	3.28E-03	1.03E-06	1.37E-07	5.24E-07	3.43E-07
2604 494185.94, 3860876.85	1.24E-02	3.90E-06	5.15E-07	8.02E-03	2.53E-06	3.34E-07	3.10E-03	9.79E-07	1.29E-07	3.22E-03	1.02E-06	1.34E-07	5.20E-07	3.39E-07
2605 494135.94, 3860926.85	1.24E-02	3.92E-06	5.18E-07	8.22E-03	2.59E-06	3.42E-07	3.36E-03	1.06E-06	1.40E-07	3.50E-03	1.10E-06	1.46E-07	5.23E-07	3.48E-07
2606 494185.94, 3860926.85	1.23E-02	3.89E-06	5.13E-07	8.13E-03	2.57E-06	3.39E-07	3.31E-03	1.04E-06	1.38E-07	3.44E-03	1.08E-06	1.43E-07	5.19E-07	3.44E-07
2607 494135.94, 3860976.85	1.25E-02	3.93E-06	5.19E-07	8.39E-03	2.65E-06	3.50E-07	3.61E-03	1.14E-06	1.50E-07	3.75E-03	1.18E-06	1.56E-07	5.25E-07	3.56E-07
2608 494185.94, 3860976.85	1.23E-02	3.89E-06	5.14E-07	8.29E-03	2.62E-06	3.45E-07	3.54E-03	1.12E-06	1.47E-07	3.68E-03	1.16E-06	1.53E-07	5.20E-07	3.51E-07
2609 494135.94, 3861026.85	1.26E-02	3.96E-06	5.23E-07	8.63E-03	2.72E-06	3.60E-07	3.90E-03	1.23E-06	1.63E-07	4.06E-03	1.28E-06	1.69E-07	5.30E-07	3.66E-07
2610 494185.94, 3861026.85	1.24E-02	3.92E-06	5.18E-07	8.52E-03	2.69E-06	3.55E-07	3.82E-03	1.21E-06	1.59E-07	3.98E-03	1.25E-06	1.66E-07	5.24E-07	3.61E-07
2611 494135.94, 3861076.85	1.27E-02	4.02E-06	5.31E-07	8.95E-03	2.83E-06	3.73E-07	4.26E-03	1.35E-06	1.78E-07	4.43E-03	1.40E-06	1.85E-07	5.38E-07	3.80E-07
2612 494185.94, 3861076.85	1.26E-02	3.98E-06	5.25E-07	8.82E-03	2.78E-06	3.67E-07	4.17E-03	1.32E-06	1.74E-07	4.33E-03	1.37E-06	1.81E-07	5.32E-07	3.74E-07
2613 490360.04, 3858710.04	4.58E-02	1.45E-05	1.91E-06	2.43E-02	7.66E-06	1.01E-06	3.01E-03	9.49E-07	1.25E-07	2.96E-03	9.35E-07	1.23E-07	1.91E-06	1.01E-06
2614 490410.04, 3858710.04	4.51E-02	1.42E-05	1.88E-06	2.38E-02	7.53E-06	9.94E-07	2.92E-03	9.22E-07	1.22E-07	2.88E-03	9.08E-07	1.20E-07	1.88E-06	9.92E-07
2615 490460.04, 3858710.04	4.45E-02	1.40E-05	1.85E-06	2.35E-02	7.41E-06	9.78E-07	2.82E-03	8.91E-07	1.18E-07	2.78E-03	8.78E-07	1.16E-07	1.85E-06	9.77E-07
2616 490510.04, 3858710.04	4.38E-02	1.38E-05	1.83E-06	2.31E-02	7.30E-06	9.63E-07	2.75E-03	8.67E-07	1.14E-07	2.71E-03	8.55E-07	1.13E-07	1.82E-06	9.61E-07
2617 490560.04, 3858710.04	4.32E-02	1.36E-05	1.80E-06	2.28E-02	7.18E-06	9.48E-07	2.68E-03	8.46E-07	1.12E-07	2.64E-03	8.34E-07	1.10E-07	1.80E-06	9.46E-07
2618 490610.04, 3858710.04	4.26E-02	1.34E-05	1.77E-06	2.24E-02	7.07E-06	9.34E-07	2.61E-03	8.25E-07	1.09E-07	2.57E-03	8.12E-07	1.07E-07	1.77E-06	9.32E-07
2619 490660.04, 3858710.04	4.19E-02	1.32E-05	1.75E-06	2.21E-02	6.96E-06	9.19E-07	2.56E-03	8.09E-07	1.07E-07	2.53E-03	7.97E-07	1.05E-07	1.75E-06	9.17E-07
2620 490710.04, 3858710.04	4.14E-02	1.31E-05	1.72E-06	2.18E-02	6.87E-06	9.06E-07	2.49E-03	7.86E-07	1.04E-07	2.46E-03	7.75E-07	1.02E-07	1.72E-06	9.05E-07
2621 490760.04, 3858710.04	4.09E-02	1.29E-05	1.70E-06	2.15E-02	6.77E-06	8.94E-07	2.43E-03	7.66E-07	1.01E-07	2.39E-03	7.56E-07	9.98E-08	1.70E-06	8.92E-07
2622 490810.04, 3858710.04	4.03E-02	1.27E-05	1.68E-06	2.12E-02	6.68E-06	8.82E-07	2.37E-03	7.48E-07	9.87E-08	2.34E-03	7.38E-07	9.74E-08	1.68E-06	8.81E-07
2623 490860.04, 3858710.04	3.99E-02	1.26E-05	1.66E-06	2.09E-02	6.60E-06	8.71E-07	2.30E-03	7.26E-07	9.59E-08	2.27E-03	7.17E-07	9.47E-08	1.66E-06	8.70E-07
2624 490360.04, 3858760.04	4.63E-02	1.46E-05	1.93E-06	2.45E-02	7.75E-06	1.02E-06	3.13E-03	9.88E-07	1.30E-07	3.08E-03	9.73E-07	1.28E-07	1.93E-06	1.02E-06
2625 490410.04, 3858760.04	4.55E-02	1.44E-05	1.90E-06	2.41E-02	7.61E-06	1.00E-06	3.04E-03	9.58E-07	1.26E-07	2.99E-03	9.44E-07	1.25E-07	1.89E-06	1.00E-06
2626 490460.04, 3858760.04	4.48E-02	1.42E-05	1.87E-06	2.37E-02	7.49E-06	9.88E-07	2.94E-03	9.28E-07	1.22E-07	2.90E-03	9.14E-07	1.21E-07	1.87E-06	9.86E-07
2627 490510.04, 3858760.04	4.42E-02	1.39E-05	1.84E-06	2.33E-02	7.37E-06	9.73E-07	2.84E-03	8.97E-07	1.18E-07	2.80E-03	8.84E-07	1.17E-07	1.84E-06	9.71E-07
2628 490560.04, 3858760.04	4.35E-02	1.37E-05	1.81E-06	2.30E-02	7.25E-06	9.57E-07	2.76E-03	8.72E-07	1.15E-07	2.72E-03	8.60E-07	1.13E-07	1.81E-06	9.55E-07

2629	490610.04, 3858760.04	4.29E-02	1.35E-05	1.79E-06	2.26E-02	7.14E-06	9.42E-07	2.68E-03	8.47E-07	1.12E-07	2.65E-03	8.35E-07	1.10E-07	1.79E-06	9.41E-07
2630	490660.04, 3858760.04	4.23E-02	1.34E-05	1.76E-06	2.23E-02	7.03E-06	9.28E-07	2.61E-03	8.24E-07	1.09E-07	2.58E-03	8.13E-07	1.07E-07	1.76E-06	9.27E-07
2631	490710.04, 3858760.04	4.17E-02	1.32E-05	1.74E-06	2.20E-02	6.93E-06	9.14E-07	2.54E-03	8.02E-07	1.06E-07	2.51E-03	7.92E-07	1.05E-07	1.74E-06	9.13E-07
2632	490760.04, 3858760.04	4.12E-02	1.30E-05	1.72E-06	2.16E-02	6.83E-06	9.02E-07	2.47E-03	7.79E-07	1.03E-07	2.44E-03	7.69E-07	1.02E-07	1.71E-06	9.00E-07
2633	490810.04, 3858760.04	4.07E-02	1.28E-05	1.69E-06	2.13E-02	6.74E-06	8.89E-07	2.40E-03	7.58E-07	1.00E-07	2.37E-03	7.49E-07	9.88E-08	1.69E-06	8.88E-07
2634	490860.04, 3858760.04	4.02E-02	1.27E-05	1.67E-06	2.11E-02	6.65E-06	8.77E-07	2.34E-03	7.40E-07	9.76E-08	2.31E-03	7.31E-07	9.64E-08	1.67E-06	8.76E-07
2635	490360.04, 3858810.04	4.68E-02	1.48E-05	1.95E-06	2.49E-02	7.85E-06	1.04E-06	3.26E-03	1.03E-06	1.36E-07	3.21E-03	1.01E-06	1.34E-07	1.95E-06	1.03E-06
2636	490410.04, 3858810.04	4.60E-02	1.45E-05	1.92E-06	2.44E-02	7.71E-06	1.02E-06	3.15E-03	9.94E-07	1.31E-07	3.10E-03	9.79E-07	1.29E-07	1.92E-06	1.02E-06
2637	490460.04, 3858810.04	4.53E-02	1.43E-05	1.89E-06	2.40E-02	7.58E-06	1.00E-06	3.04E-03	9.61E-07	1.27E-07	3.00E-03	9.47E-07	1.25E-07	1.89E-06	9.99E-07
2638	490510.04, 3858810.04	4.46E-02	1.41E-05	1.86E-06	2.36E-02	7.45E-06	9.83E-07	2.96E-03	9.33E-07	1.23E-07	2.91E-03	9.20E-07	1.21E-07	1.85E-06	9.81E-07
2639	490560.04, 3858810.04	4.39E-02	1.38E-05	1.83E-06	2.32E-02	7.32E-06	9.67E-07	2.87E-03	9.05E-07	1.19E-07	2.83E-03	8.93E-07	1.18E-07	1.83E-06	9.65E-07
2640	490610.04, 3858810.04	4.33E-02	1.37E-05	1.80E-06	2.29E-02	7.21E-06	9.52E-07	2.77E-03	8.75E-07	1.15E-07	2.73E-03	8.62E-07	1.14E-07	1.80E-06	9.50E-07
2641	490660.04, 3858810.04	4.26E-02	1.35E-05	1.78E-06	2.25E-02	7.10E-06	9.37E-07	2.69E-03	8.48E-07	1.12E-07	2.65E-03	8.37E-07	1.11E-07	1.78E-06	9.36E-07
2642	490710.04, 3858810.04	4.21E-02	1.33E-05	1.75E-06	2.22E-02	6.99E-06	9.23E-07	2.61E-03	8.22E-07	1.09E-07	2.57E-03	8.12E-07	1.07E-07	1.75E-06	9.22E-07
2643	490760.04, 3858810.04	4.16E-02	1.31E-05	1.73E-06	2.18E-02	6.90E-06	9.10E-07	2.51E-03	7.93E-07	1.05E-07	2.48E-03	7.84E-07	1.03E-07	1.73E-06	9.09E-07
2644	490810.04, 3858810.04	4.10E-02	1.29E-05	1.71E-06	2.15E-02	6.79E-06	8.97E-07	2.46E-03	7.76E-07	1.02E-07	2.43E-03	7.67E-07	1.01E-07	1.71E-06	8.96E-07
2645	490860.04, 3858810.04	4.05E-02	1.28E-05	1.69E-06	2.12E-02	6.70E-06	8.85E-07	2.39E-03	7.53E-07	9.94E-08	2.36E-03	7.45E-07	9.83E-08	1.68E-06	8.83E-07
2646	490360.04, 3858860.04	4.74E-02	1.50E-05	1.98E-06	2.53E-02	7.97E-06	1.05E-06	3.38E-03	1.07E-06	1.41E-07	3.33E-03	1.05E-06	1.39E-07	1.97E-06	1.05E-06
2647	490410.04, 3858860.04	4.66E-02	1.47E-05	1.94E-06	2.48E-02	7.82E-06	1.03E-06	3.28E-03	1.04E-06	1.37E-07	3.24E-03	1.02E-06	1.35E-07	1.94E-06	1.03E-06
2648	490460.04, 3858860.04	4.58E-02	1.45E-05	1.91E-06	2.43E-02	7.68E-06	1.01E-06	3.16E-03	9.98E-07	1.32E-07	3.12E-03	9.85E-07	1.30E-07	1.91E-06	1.01E-06
2649	490510.04, 3858860.04	4.50E-02	1.42E-05	1.87E-06	2.39E-02	7.54E-06	9.95E-07	3.08E-03	9.72E-07	1.28E-07	3.04E-03	9.59E-07	1.27E-07	1.87E-06	9.93E-07
2650	490560.04, 3858860.04	4.43E-02	1.40E-05	1.85E-06	2.35E-02	7.41E-06	9.78E-07	2.97E-03	9.39E-07	1.24E-07	2.94E-03	9.27E-07	1.22E-07	1.84E-06	9.77E-07
2651	490610.04, 3858860.04	4.37E-02	1.38E-05	1.82E-06	2.31E-02	7.29E-06	9.63E-07	2.85E-03	9.01E-07	1.19E-07	2.82E-03	8.90E-07	1.17E-07	1.82E-06	9.61E-07
2652	490660.04, 3858860.04	4.31E-02	1.36E-05	1.79E-06	2.27E-02	7.18E-06	9.47E-07	2.77E-03	8.73E-07	1.15E-07	2.73E-03	8.63E-07	1.14E-07	1.79E-06	9.46E-07
2653	490710.04, 3858860.04	4.24E-02	1.34E-05	1.77E-06	2.24E-02	7.06E-06	9.32E-07	2.69E-03	8.50E-07	1.12E-07	2.66E-03	8.41E-07	1.11E-07	1.76E-06	9.31E-07
2654	490760.04, 3858860.04	4.18E-02	1.32E-05	1.74E-06	2.20E-02	6.96E-06	9.18E-07	2.60E-03	8.19E-07	1.08E-07	2.57E-03	8.11E-07	1.07E-07	1.74E-06	9.17E-07
2655	490810.04, 3858860.04	4.13E-02	1.30E-05	1.72E-06	2.17E-02	6.86E-06	9.05E-07	2.51E-03	7.92E-07	1.04E-07	2.48E-03	7.84E-07	1.04E-07	1.72E-06	9.04E-07
2656	490860.04, 3858860.04	4.08E-02	1.29E-05	1.70E-06	2.14E-02	6.76E-06	8.93E-07	2.42E-03	7.65E-07	1.01E-07	2.40E-03	7.58E-07	1.00E-07	1.70E-06	8.92E-07
2657	490360.04, 3858910.04	4.80E-02	1.52E-05	2.00E-06	2.57E-02	8.11E-06	1.07E-06	3.57E-03	1.13E-06	1.49E-07	3.52E-03	1.11E-06	1.47E-07	2.00E-06	1.07E-06
2658	490410.04, 3858910.04	4.71E-02	1.49E-05	1.96E-06	2.52E-02	7.94E-06	1.05E-06	3.44E-03	1.09E-06	1.43E-07	3.40E-03	1.07E-06	1.42E-07	1.96E-06	1.05E-06
2659	490460.04, 3858910.04	4.63E-02	1.46E-05	1.93E-06	2.47E-02	7.79E-06	1.03E-06	3.32E-03	1.05E-06	1.38E-07	3.28E-03	1.04E-06	1.37E-07	1.93E-06	1.03E-06
2660	490510.04, 3858910.04	4.55E-02	1.44E-05	1.90E-06	2.42E-02	7.65E-06	1.01E-06	3.19E-03	1.01E-06	1.33E-07	3.16E-03	9.97E-07	1.32E-07	1.90E-06	1.01E-06
2661	490560.04, 3858910.04	4.48E-02	1.41E-05	1.87E-06	2.38E-02	7.51E-06	9.92E-07	3.07E-03	9.70E-07	1.28E-07	3.04E-03	9.59E-07	1.27E-07	1.87E-06	9.90E-07
2662	490610.04, 3858910.04	4.42E-02	1.39E-05	1.84E-06	2.34E-02	7.38E-06	9.75E-07	2.95E-03	9.32E-07	1.23E-07	2.92E-03	9.23E-07	1.22E-07	1.84E-06	9.73E-07
2663	490660.04, 3858910.04	4.35E-02	1.37E-05	1.81E-06	2.30E-02	7.26E-06	9.58E-07	2.86E-03	9.01E-07	1.19E-07	2.83E-03	8.93E-07	1.18E-07	1.81E-06	9.57E-07
2664	490710.04, 3858910.04	4.28E-02	1.35E-05	1.78E-06	2.26E-02	7.14E-06	9.43E-07	2.75E-03	8.69E-07	1.15E-07	2.73E-03	8.61E-07	1.14E-07	1.78E-06	9.42E-07
2665	490760.04, 3858910.04	4.23E-02	1.33E-05	1.76E-06	2.23E-02	7.03E-06	9.29E-07	2.65E-03	8.35E-07	1.10E-07	2.62E-03	8.28E-07	1.09E-07	1.76E-06	9.28E-07
2666	490810.04, 3858910.04	4.17E-02	1.32E-05	1.74E-06	2.20E-02	6.93E-06	9.15E-07	2.56E-03	8.09E-07	1.07E-07	2.54E-03	8.03E-07	1.06E-07	1.74E-06	9.14E-07
2667	490860.04, 3858910.04	4.12E-02	1.30E-05	1.72E-06	2.16E-02	6.83E-06	9.02E-07	2.47E-03	7.78E-07	1.03E-07	2.45E-03	7.73E-07	1.02E-07	1.72E-06	9.01E-07
2668	490360.04, 3858960.04	4.88E-02	1.54E-05	2.03E-06	2.62E-02	8.26E-06	1.09E-06	3.74E-03	1.18E-06	1.56E-07	3.71E-03	1.17E-06	1.54E-07	2.03E-06	1.09E-06
2669	490410.04, 3858960.04	4.79E-02	1.51E-05	1.99E-06	2.56E-02	8.09E-06	1.07E-06	3.59E-03	1.13E-06	1.50E-07	3.56E-03	1.12E-06	1.48E-07	1.99E-06	1.07E-06
2670	490460.04, 3858960.04	4.70E-02	1.48E-05	1.96E-06	2.51E-02	7.92E-06	1.05E-06	3.44E-03	1.09E-06	1.43E-07	3.41E-03	1.08E-06	1.42E-07	1.96E-06	1.04E-06
2671	490510.04, 3858960.04	4.62E-02	1.46E-05	1.92E-06	2.46E-02	7.77E-06	1.03E-06	3.31E-03	1.04E-06	1.38E-07	3.28E-03	1.03E-06	1.37E-07	1.92E-06	1.02E-06
2672	490560.04, 3858960.04	4.54E-02	1.43E-05	1.89E-06	2.41E-02	7.62E-06	1.01E-06	3.18E-03	1.00E-06	1.33E-07	3.16E-03	9.96E-07	1.32E-07	1.89E-06	1.01E-06
2673	490610.04, 3858960.04	4.47E-02	1.41E-05	1.86E-06	2.37E-02	7.49E-06	9.88E-07	3.04E-03	9.60E-07	1.27E-07	3.02E-03	9.53E-07	1.26E-07	1.86E-06	9.87E-07
2674	490660.04, 3858960.04	4.39E-02	1.39E-05	1.83E-06	2.33E-02	7.35E-06	9.70E-07	2.96E-03	9.33E-07	1.23E-07	2.93E-03	9.26E-07	1.22E-07	1.83E-06	9.70E-07
2675	490710.04, 3858960.04	4.33E-02	1.37E-05	1.80E-06	2.29E-02	7.23E-06	9.55E-07	2.83E-03	8.93E-07	1.18E-07	2.81E-03	8.88E-07	1.17E-07	1.80E-06	9.54E-07
2676	490760.04, 3858960.04	4.27E-02	1.35E-05	1.78E-06	2.25E-02	7.12E-06	9.39E-07	2.72E-03	8.59E-07	1.13E-07	2.71E-03	8.54E-07	1.13E-07	1.78E-06	9.39E-07
2677	490810.04, 3858960.04	4.21E-02	1.33E-05	1.76E-06	2.22E-02	7.01E-06	9.25E-07	2.62E-03	8.27E-07	1.09E-07	2.61E-03	8.23E-07	1.09E-07	1.75E-06	9.24E-07
2678	490860.04, 3858960.04	4.16E-02	1.31E-05	1.73E-06	2.19E-02	6.91E-06	9.12E-07	2.51E-03	7.94E-07	1.05E-07	2.50E-03	7.90E-07	1.04E-07	1.73E-06	9.11E-07
2679	490360.04, 3859010.04	4.97E-02	1.57E-05	2.07E-06	2.67E-02	8.43E-06	1.11E-06	3.93E-03	1.24E-06	1.64E-07	3.91E-03	1.23E-06	1.63E-07	2.07E-06	1.11E-06
2680	490410.04, 3859010.04	4.87E-02	1.54E-05	2.03E-06	2.61E-02	8.24E-06	1.09E-06	3.76E-03	1.19E-06	1.57E-07	3.73E-03	1.18E-06	1.56E-07	2.03E-06	1.09E-06
2681	490460.04, 3859010.04	4.78E-02	1.51E-05	1.99E-06	2.56E-02	8.07E-06	1.07E-06	3.57E-03	1.13E-06	1.49E-07	3.55E-03	1.12E-06	1.48E-07	1.99E-06	1.06E-06
2682	490510.04, 3859010.04	4.69E-02	1.48E-05	1.96E-06	2.50E-02	7.90E-06	1.04E-06	3.40E-03	1.07E-06	1.42E-07	3.38E-03	1.07E-06	1.41E-07	1.96E-06	1.04E-06
2683	490560.04, 3859010.04	4.61E-02	1.45E-05	1.92E-06	2.45E-02	7.75E-06	1.02E-06	3.29E-03	1.04E-06	1.37E-07	3.27E-03	1.03E-06	1.36E-07	1.92E-06	1.02E-06
2684	490610.04, 3859010.04	4.53E-02	1.43E-05	1.89E-06	2.41E-02	7.60E-06	1.00E-06	3.14E-03	9.90E-07	1.31E-07	3.12E-03	9.85E-07	1.30E-07	1.89E-06	1.00E-06
2685	490660.04, 3859010.04	4.45E-02	1.40E-05	1.85E-06	2.36E-02	7.46E-06	9.84E-07	3.05E-03	9.62E-07	1.27E-07	3.03E-03	9.57E-07	1.26E-07	1.85E-06	9.84E-07
2686	490710.04, 3859010.04	4.39E-02	1.38E-05	1.83E-06	2.32E-02	7.33E-06	9.68E-07	2.91E-03	9.18E-07	1.21E-07	2.90E-03	9.14E-07	1.21E-07	1.83E-06	9.67E-07
2687	490760.04, 3859010.04	4.32E-02	1.36E-05	1.80E-06	2.28E-02	7.21E-06	9.52E-07	2.79E-03	8.81E-07	1.16E-07	2.78E-03	8.77E-07	1.16E-07	1.80E-06	9.51E-07
2688	490810.04, 3859010.04	4.26E-02	1.35E-05	1.78E-06	2.25E-02	7.10E-06	9.37E-07	2.68E-03	8.44E-07	1.11E-07	2.67E-03	8.42E-07	1.11E-07	1.78E-06	9.36E-07
2689	490860.04, 3859010.04	4.21E-02	1.33E-05	1.75E-06	2.21E-02	6.99E-06	9.22E-07	2.58E-03	8.13E-07	1.07E-07	2.57E-03	8.11E-07	1.07E-07	1.75E-06	9.22E-07
2690	490360.04, 3859060.04	5.07E-02	1.60E-05	2.11E-06	2.74E-02	8.63E-06	1.14E-06	4.14E-03	1.31E-06	1.73E-07	4.13E-03	1.30E-06	1.72E-07	2.11E-06	1.14E-06
2691	490410.04, 3859060.04	4.97E-02	1.57E-05	2.07E-06	2.67E-02	8.43E-06	1.11E-06	3.91E-03	1.23E-06	1.63E-07	3.90E-03	1.23E-06	1.62E-07	2.07E-06	1.11E-06
2692	490460.04, 3859060.04	4.87E-02	1.54E-05	2.03E-06	2.61E-02	8.23E-06	1.09E-06	3.71E-03	1.17E-06	1.55E-07	3.71E-03	1.17E-06	1.54E-07	2.03E-06	1.09E-06
2693	490510.04, 3859060.04	4.77E-02	1.51E-05	1.99E-06	2.55E-02	8.05E-06	1.06E-06	3.55E-03	1.12E-06	1.48E-07	3.54E-03	1.12E-06	1.47E-07	1.99E-06	1.06E-06
2694	490560.04, 3859060.04	4.69E-02	1.48E-05	1.95E-06	2.50E-02	7.89E-06	1.04E-06	3.37E-03	1.06E-06	1.41E-07	3.37E-03	1.06E-06	1.40E-07	1.95E-06	1.04E-06
2695	490610.04, 3859060.04	4.60E-02	1.45E-05	1.92E-06	2.45E-02	7.73E-06	1.02E-06	3.25E-03	1.02E-06	1.35E-07	3.24E-03	1.02E-06	1.35E-07	1.92E-06	1.02E-06
2696	490660.04, 3859060.04	4.52E-02	1.43E-05	1.88E-06	2.40E-02	7.58E-06	1.00E-06	3.13E-03	9.88E-07	1.30E-07	3.13E-03	9.87E-07	1.30E-07	1.88E-06	1.00E-06
2697	490710.04, 3859060.04	4.45E-02	1.40E-05	1.85E-06	2.36E-02	7.44E-06	9.82E-07	2.98E-03	9.42E-07	1.24E-07	2.98E-03	9.41E-07	1.24E-07	1.85E-06	9.82E-07
2698	490760.04, 3859060.04	4.38E-02	1.38E-05	1.83E-06	2.32E-02	7.32E-06	9.66E-07	2.86E-03	9.01E-07	1.19E-07	2.85E-03	9.01E-07	1.19E-07	1.83E-06	9.66E-07
2699	490810.04, 3859060.04	4.32E-02	1.36E-05	1.80E-06	2.28E-02	7.20E-06	9.50E-07	2.74E-03	8.63E-07	1.14E-07	2.73E-03	8.63E-07	1.14E-07	1.80E-06	9.50E-07
2700	490860.04, 3859060.04	4.26E-02	1.35E-05	1.78E-06	2.24E-02	7.08E-06	9.35E-07	2.63E-03	8.30E-07	1.10E-07	2.63E-03	8.30E-07	1.10E-07	1.78E-06	9.35E-07
2701	490360.04, 3859110.04	5.18E-02	1.64E-05	2.16E-06	2.81E-02	8.86E-06	1.17E-06	4.41E-03	1.39E-06	1.84E-07	4.42E-03	1.39E-06	1.84E-07	2.16E-06	1.17E-06
2702	490410.04, 3859110.04	5.07E-02	1.60E-05	2.11E-06	2.74E-02	8.63E-06	1.14E-06	4.14E-03	1.31E-06	1.73E-07	4.15E-03	1.31E-06	1.73E-07	2.11E-06	1.14E-06
2703	490460.04, 3859110.04	4.96E-02	1.56E-05	2.07E-06	2.67E-02	8.42E-06	1.11E-06	3.94E-03	1.24E-06	1.64E-07	3.95E-03	1.25E-06	1.64E-07	2.07E-06	1.11E-06
2704	490510.04, 3859110.04	4.87E-02	1.54E-05	2.03E-06	2.61E-02	8.23E-06	1.09E-06	3.69E-03	1.16E-06	1.54E-07	3.69E-03	1.16E-06	1.54E-07	2.03E-06	1.09E-06
2705	490560.04, 3859110.04	4.77E-02	1.51E-05	1.99E-06	2.55E-02	8.04E-06	1.06E-06	3.51E-03	1.11E-06	1.46E-07	3.51E-03	1.11E-06	1.46E-07	1.99E-06	1.06E-06
2706	490610.04, 3859110.04	4.68E-02	1.48E-05	1.95E-06	2.49E-02	7.87E-06	1.04E-06	3.34E-03	1.05E-06	1.39E-07	3.34E-03	1.06E-06	1.39E-07	1.95E-06	1.04E-06
2707	490660.04, 3859110.04	4.61E-02	1.45E-05	1.92E-06	2.45E-02	7.72E-06	1.02E-06	3.17E-03	1.00E-06	1.32E-07	3.17E-03	1.00E-06	1.32E-07	1.92E-06	1.02E-06
2708	490710.04, 3859110.04	4.53E-02	1.43E-05	1.89E-06	2.40E-02	7.57E-06	1.00E-06	3.05E-03	9.64E-07	1.27E-07	3.06E-03	9.65E-07	1.27E-07	1.89E-06	1.00E-06
2709	490760.04, 3859110.04	4.45E-02	1.41E-05	1.86E-06	2.36E-02	7.44E-06	9.82E-07	2.92E-03	9.23E-07	1.22E-07	2.93E-03	9.25E-07	1.22E-07	1.86E-06	9.82E-07
2710	490810.04, 3859110.04	4.39E-02	1.39E-05	1.83E-06	2.32E-02	7.31E-06	9.65E-07	2.79E-03	8.82E-07	1.16E-07	2.80E-03	8.84E-07	1.17E-07	1.83E-06	9.66E-07
2711	490860.04, 3859110.04	4.33E-02	1.37E-05	1.80E-06	2.28E-02	7.20E-06	9.50E-07	2.67E-03	8.43E-07	1.11E-07	2.68E-03	8.47E-07	1.12E-07	1.80E-06	9.50E-07
2712	490360.04, 3859160.04	5.32E-02	1.68E-05	2.22E-06	2.89E-02	9.14E-06	1.21E-06	4.74E-03	1.50E-06	1.98E-07	4.77E-03	1.51E-06	1.99E-07	2.22E-06	1.21E-06
2713	490410.04, 3859160.04	5.19E-02	1.64E-05	2.16E-06	2.81E-02	8.88E-06	1.17E-06	4.45E-03	1.40E-06	1.85E-07	4.47E-03	1.41E-06	1.86E-07	2.16E-06	1.17E-06
2714	490460.04, 3859160.04	5.07E-02	1.60E-05	2.11E-06	2.74E-02	8.64E-06	1.14E-06	4.19E-03	1.32E-06	1.74E-07	4.21E-03	1.33E-06	1.75E-07	2.11E-06	1.14E-06
2715	490510.04, 3859160.04	4.96E-02	1.56E-05	2.07E-06	2.67E-02	8.42E-06	1.11E-06	3.95E-03	1.25E-06	1.64E-07	3.96E-03	1.25E-06	1.65E-07	2.07E-06	1.11E-06
2716	490560.04, 3859160.04	4.86E-02	1.53E-05	2.03E-06	2.61E-02	8.22E-06	1.09E-06	3.70E-03	1.17E-06	1.54E-07	3.72E-03	1.17E-06	1.55E-07	2.03E-06	1.09E-06
2717	490610.04, 3859160.04	4.76E-02	1.50E-05	1.98E-06	2.55E-02	8.04E-06	1.06E-06	3.53E-03	1.11E-06	1.47E-07	3.54E-03	1.12E-06	1.48E-07	1.99E-06	1.06E-06
2718	490660.04, 3859160.04	4.69E-02	1.48E-05	1.96E-06	2.50E-02	7.88E-06	1.04E-06	3.28E-03	1.03E-06	1.36E-07	3.29E-03	1.04E-06	1.37E-07	1.96E-06	1.04E-06
2719	490710.04, 3859160.04	4.61E-02	1.45E-05	1.92E-06	2.45E-02	7.72E-06	1.02E-06	3.14E-03	9.92E-07	1.31E-07	3.16E-03	9.97E-07	1.32E-07	1.92E-06	1.02E-06
2720	490760.04, 3859160.04	4.54E-02	1.43E-05	1.89E-06	2.40E-02	7.59E-06	1.00E-06	2.97E-03	9.38E-07	1.24E-07	2.99E-03	9.44E-07	1.25E-07	1.89E-06	1.00E-06
2721	490810.04, 3859160.04	4.47E-02	1.41E-05	1.86E-06	2.36E-02	7.45E-06	9.83E-07	2.86E-03	9.03E-07	1.19E-07	2.88E-03	9.09E-07	1.20E-07	1.86E-06	9.84E-07
2722	490860.04, 3859160.04	4.40E-02	1.39E-05	1.83E-06	2.32E-02	7.32E-06	9.66E-07	2.75E-03	8.68E-07	1.15E-07	2.77E-03	8.74E-07	1.15E-07	1.83E-06	9.67E-07

2723	490360.04, 3859210.04	5.48E-02	1.73E-05	2.28E-06	3.00E-02	9.46E-06	1.25E-06	5.14E-03	1.62E-06	2.14E-07	5.20E-03	1.64E-06	2.17E-07	2.28E-06	1.25E-06
2724	490410.04, 3859210.04	5.33E-02	1.68E-05	2.22E-06	2.91E-02	9.18E-06	1.21E-06	4.87E-03	1.54E-06	2.03E-07	4.92E-03	1.55E-06	2.05E-07	2.22E-06	1.21E-06
2725	490460.04, 3859210.04	5.20E-02	1.64E-05	2.17E-06	2.82E-02	8.90E-06	1.17E-06	4.48E-03	1.42E-06	1.87E-07	4.52E-03	1.43E-06	1.88E-07	2.17E-06	1.18E-06
2726	490510.04, 3859210.04	5.08E-02	1.60E-05	2.12E-06	2.74E-02	8.66E-06	1.14E-06	4.20E-03	1.33E-06	1.75E-07	4.23E-03	1.34E-06	1.76E-07	2.12E-06	1.14E-06
2727	490560.04, 3859210.04	4.96E-02	1.57E-05	2.07E-06	2.67E-02	8.43E-06	1.11E-06	3.99E-03	1.26E-06	1.66E-07	4.02E-03	1.27E-06	1.67E-07	2.07E-06	1.11E-06
2728	490610.04, 3859210.04	4.86E-02	1.53E-05	2.02E-06	2.61E-02	8.23E-06	1.09E-06	3.75E-03	1.18E-06	1.56E-07	3.78E-03	1.19E-06	1.58E-07	2.03E-06	1.09E-06
2729	490660.04, 3859210.04	4.77E-02	1.51E-05	1.99E-06	2.55E-02	8.04E-06	1.06E-06	3.49E-03	1.10E-06	1.45E-07	3.52E-03	1.11E-06	1.46E-07	1.99E-06	1.06E-06
2730	490710.04, 3859210.04	4.68E-02	1.48E-05	1.95E-06	2.49E-02	7.86E-06	1.04E-06	3.31E-03	1.04E-06	1.38E-07	3.34E-03	1.05E-06	1.39E-07	1.95E-06	1.04E-06
2731	490760.04, 3859210.04	4.62E-02	1.46E-05	1.92E-06	2.45E-02	7.73E-06	1.02E-06	3.13E-03	9.88E-07	1.30E-07	3.16E-03	9.97E-07	1.32E-07	1.92E-06	1.02E-06
2732	490810.04, 3859210.04	4.52E-02	1.43E-05	1.88E-06	2.40E-02	7.57E-06	9.99E-07	3.04E-03	9.60E-07	1.27E-07	3.07E-03	9.70E-07	1.28E-07	1.89E-06	1.00E-06
2733	490860.04, 3859210.04	4.44E-02	1.40E-05	1.85E-06	2.35E-02	7.42E-06	9.79E-07	2.96E-03	9.33E-07	1.23E-07	2.99E-03	9.42E-07	1.24E-07	1.85E-06	9.81E-07
2734	490360.04, 3859260.04	5.68E-02	1.79E-05	2.37E-06	3.13E-02	9.87E-06	1.30E-06	5.59E-03	1.76E-06	2.33E-07	5.68E-03	1.79E-06	2.36E-07	2.37E-06	1.31E-06
2735	490410.04, 3859260.04	5.51E-02	1.74E-05	2.29E-06	3.02E-02	9.53E-06	1.26E-06	5.24E-03	1.65E-06	2.18E-07	5.31E-03	1.68E-06	2.21E-07	2.30E-06	1.26E-06
2736	490460.04, 3859260.04	5.35E-02	1.69E-05	2.23E-06	2.92E-02	9.23E-06	1.22E-06	4.95E-03	1.56E-06	2.06E-07	5.02E-03	1.58E-06	2.09E-07	2.23E-06	1.22E-06
2737	490510.04, 3859260.04	5.20E-02	1.64E-05	2.17E-06	2.83E-02	8.94E-06	1.18E-06	4.68E-03	1.48E-06	1.95E-07	4.74E-03	1.50E-06	1.97E-07	2.17E-06	1.18E-06
2738	490560.04, 3859260.04	5.08E-02	1.60E-05	2.11E-06	2.75E-02	8.69E-06	1.15E-06	4.38E-03	1.38E-06	1.83E-07	4.44E-03	1.40E-06	1.85E-07	2.12E-06	1.15E-06
2739	490610.04, 3859260.04	4.97E-02	1.57E-05	2.07E-06	2.68E-02	8.46E-06	1.12E-06	4.06E-03	1.28E-06	1.69E-07	4.11E-03	1.30E-06	1.71E-07	2.07E-06	1.12E-06
2740	490660.04, 3859260.04	4.85E-02	1.53E-05	2.02E-06	2.61E-02	8.24E-06	1.09E-06	3.91E-03	1.23E-06	1.63E-07	3.95E-03	1.25E-06	1.65E-07	2.02E-06	1.09E-06
2741	490710.04, 3859260.04	4.74E-02	1.50E-05	1.97E-06	2.55E-02	8.04E-06	1.06E-06	3.70E-03	1.17E-06	1.54E-07	3.74E-03	1.18E-06	1.56E-07	1.98E-06	1.06E-06
2742	490760.04, 3859260.04	4.66E-02	1.47E-05	1.94E-06	2.49E-02	7.87E-06	1.04E-06	3.47E-03	1.09E-06	1.44E-07	3.51E-03	1.11E-06	1.46E-07	1.95E-06	1.04E-06
2743	490810.04, 3859260.04	4.57E-02	1.44E-05	1.90E-06	2.44E-02	7.70E-06	1.02E-06	3.34E-03	1.06E-06	1.39E-07	3.39E-03	1.07E-06	1.41E-07	1.91E-06	1.02E-06
2744	490860.04, 3859260.04	4.48E-02	1.41E-05	1.87E-06	2.39E-02	7.54E-06	9.95E-07	3.23E-03	1.02E-06	1.35E-07	3.27E-03	1.03E-06	1.36E-07	1.87E-06	9.97E-07
2745	490360.04, 3859310.04	5.94E-02	1.87E-05	2.47E-06	3.29E-02	1.04E-05	1.37E-06	6.26E-03	1.98E-06	2.61E-07	6.39E-03	2.02E-06	2.66E-07	2.48E-06	1.38E-06
2746	490410.04, 3859310.04	5.73E-02	1.81E-05	2.39E-06	3.16E-02	9.99E-06	1.32E-06	5.83E-03	1.84E-06	2.43E-07	5.94E-03	1.88E-06	2.48E-07	2.39E-06	1.32E-06
2747	490460.04, 3859310.04	5.54E-02	1.75E-05	2.31E-06	3.05E-02	9.63E-06	1.27E-06	5.47E-03	1.73E-06	2.28E-07	5.57E-03	1.76E-06	2.32E-07	2.31E-06	1.28E-06
2748	490510.04, 3859310.04	5.37E-02	1.70E-05	2.24E-06	2.95E-02	9.31E-06	1.23E-06	5.17E-03	1.63E-06	2.16E-07	5.26E-03	1.66E-06	2.19E-07	2.24E-06	1.23E-06
2749	490560.04, 3859310.04	5.22E-02	1.65E-05	2.17E-06	2.86E-02	9.01E-06	1.19E-06	4.89E-03	1.54E-06	2.04E-07	4.97E-03	1.57E-06	2.07E-07	2.18E-06	1.19E-06
2750	490610.04, 3859310.04	5.08E-02	1.60E-05	2.11E-06	2.77E-02	8.75E-06	1.15E-06	4.65E-03	1.47E-06	1.94E-07	4.73E-03	1.49E-06	1.97E-07	2.12E-06	1.16E-06
2751	490660.04, 3859310.04	4.95E-02	1.56E-05	2.06E-06	2.69E-02	8.50E-06	1.12E-06	4.40E-03	1.39E-06	1.83E-07	4.47E-03	1.41E-06	1.86E-07	2.06E-06	1.12E-06
2752	490710.04, 3859310.04	4.84E-02	1.53E-05	2.02E-06	2.62E-02	8.27E-06	1.09E-06	4.07E-03	1.28E-06	1.70E-07	4.13E-03	1.30E-06	1.72E-07	2.02E-06	1.09E-06
2753	490760.04, 3859310.04	4.74E-02	1.50E-05	1.97E-06	2.56E-02	8.07E-06	1.06E-06	3.86E-03	1.22E-06	1.61E-07	3.91E-03	1.24E-06	1.63E-07	1.98E-06	1.07E-06
2754	490810.04, 3859310.04	4.63E-02	1.46E-05	1.93E-06	2.49E-02	7.87E-06	1.04E-06	3.70E-03	1.17E-06	1.54E-07	3.76E-03	1.19E-06	1.57E-07	1.93E-06	1.04E-06
2755	490860.04, 3859310.04	4.54E-02	1.43E-05	1.89E-06	2.44E-02	7.70E-06	1.02E-06	3.52E-03	1.11E-06	1.47E-07	3.58E-03	1.13E-06	1.49E-07	1.90E-06	1.02E-06
2756	490360.04, 3859360.04	6.27E-02	1.98E-05	2.61E-06	3.51E-02	1.11E-05	1.46E-06	7.12E-03	2.25E-06	2.97E-07	7.31E-03	2.31E-06	3.05E-07	2.62E-06	1.47E-06
2757	490410.04, 3859360.04	6.01E-02	1.90E-05	2.50E-06	3.36E-02	1.06E-05	1.40E-06	6.65E-03	2.10E-06	2.77E-07	6.82E-03	2.15E-06	2.84E-07	2.51E-06	1.40E-06
2758	490460.04, 3859360.04	5.78E-02	1.82E-05	2.41E-06	3.22E-02	1.02E-05	1.34E-06	6.25E-03	1.97E-06	2.60E-07	6.39E-03	2.02E-06	2.66E-07	2.41E-06	1.35E-06
2759	490510.04, 3859360.04	5.58E-02	1.76E-05	2.32E-06	3.10E-02	9.77E-06	1.29E-06	5.88E-03	1.85E-06	2.45E-07	6.01E-03	1.90E-06	2.50E-07	2.33E-06	1.29E-06
2760	490560.04, 3859360.04	5.40E-02	1.70E-05	2.25E-06	2.98E-02	9.41E-06	1.24E-06	5.49E-03	1.73E-06	2.29E-07	5.61E-03	1.77E-06	2.34E-07	2.25E-06	1.25E-06
2761	490610.04, 3859360.04	5.24E-02	1.65E-05	2.18E-06	2.88E-02	9.10E-06	1.20E-06	5.15E-03	1.63E-06	2.15E-07	5.26E-03	1.66E-06	2.19E-07	2.19E-06	1.21E-06
2762	490660.04, 3859360.04	5.09E-02	1.61E-05	2.12E-06	2.79E-02	8.81E-06	1.16E-06	4.87E-03	1.54E-06	2.03E-07	4.97E-03	1.57E-06	2.07E-07	2.12E-06	1.17E-06
2763	490710.04, 3859360.04	4.96E-02	1.57E-05	2.07E-06	2.71E-02	8.55E-06	1.13E-06	4.56E-03	1.44E-06	1.90E-07	4.65E-03	1.47E-06	1.94E-07	2.07E-06	1.13E-06
2764	490760.04, 3859360.04	4.84E-02	1.53E-05	2.02E-06	2.63E-02	8.31E-06	1.10E-06	4.27E-03	1.35E-06	1.78E-07	4.35E-03	1.37E-06	1.81E-07	2.02E-06	1.10E-06
2765	490810.04, 3859360.04	4.72E-02	1.49E-05	1.97E-06	2.57E-02	8.10E-06	1.07E-06	4.12E-03	1.30E-06	1.72E-07	4.19E-03	1.32E-06	1.75E-07	1.97E-06	1.07E-06
2766	490860.04, 3859360.04	4.62E-02	1.46E-05	1.92E-06	2.50E-02	7.90E-06	1.04E-06	3.92E-03	1.24E-06	1.63E-07	3.99E-03	1.26E-06	1.66E-07	1.93E-06	1.05E-06
2767	490360.04, 3859410.04	6.72E-02	2.12E-05	2.80E-06	3.81E-02	1.20E-05	1.59E-06	8.27E-03	2.61E-06	3.45E-07	8.53E-03	2.69E-06	3.55E-07	2.81E-06	1.60E-06
2768	490410.04, 3859410.04	6.38E-02	2.02E-05	2.66E-06	3.60E-02	1.14E-05	1.50E-06	7.70E-03	2.43E-06	3.21E-07	7.92E-03	2.50E-06	3.30E-07	2.67E-06	1.51E-06
2769	490460.04, 3859410.04	6.10E-02	1.92E-05	2.54E-06	3.43E-02	1.08E-05	1.43E-06	7.18E-03	2.27E-06	2.99E-07	7.38E-03	2.33E-06	3.08E-07	2.55E-06	1.44E-06
2770	490510.04, 3859410.04	5.85E-02	1.85E-05	2.44E-06	3.28E-02	1.04E-05	1.37E-06	6.71E-03	2.12E-06	2.80E-07	6.89E-03	2.18E-06	2.87E-07	2.45E-06	1.37E-06
2771	490560.04, 3859410.04	5.63E-02	1.78E-05	2.35E-06	3.15E-02	9.94E-06	1.31E-06	6.29E-03	1.99E-06	2.62E-07	6.46E-03	2.04E-06	2.69E-07	2.35E-06	1.32E-06
2772	490610.04, 3859410.04	5.44E-02	1.72E-05	2.27E-06	3.03E-02	9.57E-06	1.26E-06	5.92E-03	1.87E-06	2.46E-07	6.06E-03	1.91E-06	2.53E-07	2.27E-06	1.27E-06
2773	490660.04, 3859410.04	5.27E-02	1.66E-05	2.20E-06	2.92E-02	9.21E-06	1.22E-06	5.49E-03	1.73E-06	2.29E-07	5.63E-03	1.78E-06	2.34E-07	2.20E-06	1.22E-06
2774	490710.04, 3859410.04	5.12E-02	1.61E-05	2.13E-06	2.82E-02	8.91E-06	1.18E-06	5.14E-03	1.62E-06	2.14E-07	5.26E-03	1.66E-06	2.19E-07	2.14E-06	1.18E-06
2775	490760.04, 3859410.04	4.98E-02	1.57E-05	2.07E-06	2.73E-02	8.62E-06	1.14E-06	4.78E-03	1.51E-06	1.99E-07	4.89E-03	1.54E-06	2.04E-07	2.08E-06	1.14E-06
2776	490810.04, 3859410.04	4.85E-02	1.53E-05	2.02E-06	2.66E-02	8.38E-06	1.11E-06	4.59E-03	1.45E-06	1.91E-07	4.69E-03	1.48E-06	1.95E-07	2.02E-06	1.11E-06
2777	490860.04, 3859410.04	4.72E-02	1.49E-05	1.97E-06	2.58E-02	8.16E-06	1.08E-06	4.43E-03	1.40E-06	1.84E-07	4.53E-03	1.43E-06	1.89E-07	1.97E-06	1.08E-06
2778	490360.04, 3859460.04	7.36E-02	2.32E-05	3.07E-06	4.22E-02	1.33E-05	1.76E-06	9.88E-03	3.12E-06	4.12E-07	1.02E-02	3.23E-06	4.27E-07	3.08E-06	1.77E-06
2779	490410.04, 3859460.04	6.91E-02	2.18E-05	2.88E-06	3.95E-02	1.25E-05	1.65E-06	9.05E-03	2.86E-06	3.77E-07	9.36E-03	2.95E-06	3.90E-07	2.89E-06	1.66E-06
2780	490460.04, 3859460.04	6.55E-02	2.07E-05	2.73E-06	3.73E-02	1.18E-05	1.55E-06	8.39E-03	2.65E-06	3.49E-07	8.66E-03	2.73E-06	3.61E-07	2.74E-06	1.56E-06
2781	490510.04, 3859460.04	6.24E-02	1.97E-05	2.60E-06	3.54E-02	1.12E-05	1.47E-06	7.79E-03	2.46E-06	3.25E-07	8.04E-03	2.54E-06	3.35E-07	2.61E-06	1.48E-06
2782	490560.04, 3859460.04	5.97E-02	1.88E-05	2.49E-06	3.37E-02	1.06E-05	1.41E-06	7.27E-03	2.30E-06	3.03E-07	7.50E-03	2.37E-06	3.12E-07	2.50E-06	1.41E-06
2783	490610.04, 3859460.04	5.73E-02	1.81E-05	2.39E-06	3.23E-02	1.02E-05	1.34E-06	6.78E-03	2.14E-06	2.82E-07	6.98E-03	2.20E-06	2.91E-07	2.40E-06	1.35E-06
2784	490660.04, 3859460.04	5.52E-02	1.74E-05	2.30E-06	3.09E-02	9.77E-06	1.29E-06	6.31E-03	1.99E-06	2.63E-07	6.50E-03	2.05E-06	2.71E-07	2.31E-06	1.30E-06
2785	490710.04, 3859460.04	5.33E-02	1.68E-05	2.22E-06	2.98E-02	9.40E-06	1.24E-06	5.93E-03	1.87E-06	2.47E-07	6.10E-03	1.92E-06	2.54E-07	2.23E-06	1.25E-06
2786	490760.04, 3859460.04	5.16E-02	1.63E-05	2.15E-06	2.87E-02	9.07E-06	1.20E-06	5.56E-03	1.75E-06	2.32E-07	5.71E-03	1.80E-06	2.38E-07	2.16E-06	1.20E-06
2787	490810.04, 3859460.04	5.01E-02	1.58E-05	2.09E-06	2.78E-02	8.76E-06	1.16E-06	5.23E-03	1.65E-06	2.18E-07	5.37E-03	1.69E-06	2.24E-07	2.09E-06	1.16E-06
2788	490860.04, 3859460.04	4.87E-02	1.54E-05	2.03E-06	2.69E-02	8.50E-06	1.12E-06	5.00E-03	1.58E-06	2.08E-07	5.14E-03	1.62E-06	2.14E-07	2.03E-06	1.13E-06
2789	490360.04, 3859510.04	8.53E-02	2.69E-05	3.55E-06	4.95E-02	1.56E-05	2.06E-06	1.23E-02	3.90E-06	5.14E-07	1.28E-02	4.05E-06	5.35E-07	3.57E-06	2.08E-06
2790	490410.04, 3859510.04	7.85E-02	2.48E-05	3.27E-06	4.54E-02	1.43E-05	1.89E-06	1.12E-02	3.53E-06	4.65E-07	1.16E-02	3.67E-06	4.84E-07	3.29E-06	1.91E-06
2791	490460.04, 3859510.04	7.30E-02	2.30E-05	3.04E-06	4.21E-02	1.33E-05	1.75E-06	1.01E-02	3.20E-06	4.23E-07	1.05E-02	3.33E-06	4.39E-07	3.06E-06	1.77E-06
2792	490510.04, 3859510.04	6.85E-02	2.16E-05	2.86E-06	3.94E-02	1.24E-05	1.64E-06	9.32E-03	2.94E-06	3.88E-07	9.67E-03	3.05E-06	4.03E-07	2.87E-06	1.66E-06
2793	490560.04, 3859510.04	6.48E-02	2.04E-05	2.70E-06	3.71E-02	1.17E-05	1.55E-06	8.61E-03	2.72E-06	3.59E-07	8.93E-03	2.82E-06	3.72E-07	2.71E-06	1.56E-06
2794	490610.04, 3859510.04	6.16E-02	1.94E-05	2.57E-06	3.51E-02	1.11E-05	1.46E-06	7.95E-03	2.51E-06	3.31E-07	8.24E-03	2.60E-06	3.43E-07	2.58E-06	1.47E-06
2795	490660.04, 3859510.04	5.88E-02	1.86E-05	2.45E-06	3.34E-02	1.05E-05	1.39E-06	7.38E-03	2.33E-06	3.07E-07	7.64E-03	2.41E-06	3.18E-07	2.46E-06	1.40E-06
2796	490710.04, 3859510.04	5.64E-02	1.78E-05	2.35E-06	3.19E-02	1.01E-05	1.33E-06	6.86E-03	2.16E-06	2.86E-07	7.09E-03	2.24E-06	2.96E-07	2.36E-06	1.34E-06
2797	490760.04, 3859510.04	5.43E-02	1.71E-05	2.26E-06	3.06E-02	9.65E-06	1.27E-06	6.41E-03	2.02E-06	2.67E-07	6.62E-03	2.09E-06	2.76E-07	2.27E-06	1.28E-06
2798	490810.04, 3859510.04	5.24E-02	1.65E-05	2.18E-06	2.94E-02	9.28E-06	1.22E-06	6.03E-03	1.90E-06	2.51E-07	6.23E-03	1.97E-06	2.60E-07	2.19E-06	1.23E-06
2799	490860.04, 3859510.04	5.07E-02	1.60E-05	2.11E-06	2.83E-02	8.94E-06	1.18E-06	5.68E-03	1.79E-06	2.36E-07	5.86E-03	1.85E-06	2.44E-07	2.12E-06	1.19E-06
2800	490360.04, 3859560.04	1.14E-01	3.59E-05	4.74E-06	6.59E-02	2.08E-05	2.75E-06	1.64E-02	5.17E-06	6.83E-07	1.71E-02	5.41E-06	7.14E-07	4.77E-06	2.78E-06
2801	490410.04, 3859560.04	9.85E-02	3.11E-05	4.10E-06	5.73E-02	1.81E-05	2.39E-06	1.45E-02	4.58E-06	6.05E-07	1.52E-02	4.79E-06	6.32E-07	4.13E-06	2.41E-06
2802	490460.04, 3859560.04	8.74E-02	2.76E-05	3.64E-06	5.09E-02	1.61E-05	2.12E-06	1.30E-02	4.09E-06	5.40E-07	1.36E-02	4.28E-06	5.65E-07	3.67E-06	2.15E-06
2803	490510.04, 3859560.04	7.93E-02	2.50E-05	3.30E-06	4.61E-02	1.45E-05	1.92E-06	1.16E-02	3.66E-06	4.82E-07	1.21E-02	3.82E-06	5.04E-07	3.32E-06	1.94E-06
2804	490560.04, 3859560.04	7.31E-02	2.31E-05	3.05E-06	4.24E-02	1.34E-05	1.77E-06	1.06E-02	3.33E-06	4.40E-07	1.10E-02	3.47E-06	4.59E-07	3.07E-06	1.79E-06
2805	490610.04, 3859560.04	6.82E-02	2.15E-05	2.84E-06	3.94E-02	1.24E-05	1.64E-06	9.63E-03	3.04E-06	4.01E-07	1.00E-02	3.17E-06	4.18E-07	2.86E-06	1.66E-06
2806	490660.04, 3859560.04	6.42E-02	2.03E-05	2.67E-06	3.70E-02	1.17E-05	1.54E-06	8.84E-03	2.79E-06	3.68E-07	9.21E-03	2.91E-06	3.84E-07	2.69E-06	1.56E-06
2807	490710.04, 3859560.04	6.08E-02	1.92E-05	2.54E-06	3.49E-02	1.10E-05	1.45E-06	8.13E-03	2.57E-06	3.39E-07	8.47E-03	2.67E-06	3.53E-07	2.55E-06	1.47E-06
2808	490760.04, 3859560.04	5.80E-02	1.83E-05	2.42E-06	3.30E-02	1.04E-05	1.38E-06	7.47E-03	2.36E-06	3.11E-07	7.77E-03	2.45E-06	3.24E-07	2.43E-06	1.39E-06
2809	490810.04, 3859560.04	5.55E-02	1.75E-05	2.31E-06	3.15E-02	9.94E-06	1.31E-06	6.94E-03	2.19E-06	2.89E-07	7.21E-03	2.28E-06	3.01E-07	2.32E-06	1.32E-06
2810	490860.04, 3859560.04	5.34E-02	1.68E-05	2.22E-06	3.01E-02	9.52E-06	1.26E-06	6.47E-03	2.04E-06	2.69E-07	6.71E-03	2.12E-06	2.80E-07	2.23E-06	1.27E-06
2811	490187.25, 3859422.08	8.99E-02	2.84E-05	3.75E-06	5.14E-02	1.62E-05	2.14E-06	1.18E-02	3.72E-06	4.92E-07	1.23E-02	3.87E-06	5.11E-07	3.77E-06	2.16E-06
2812	490237.25, 3859422.08	8.19E-02	2.59E-05	3.41E-06	4.68E-02	1.48E-05	1.95E-06	1.07E-02	3.37E-06	4.45E-07	1.11E-02	3.50E-06	4.62E-07	3.43E-06	1.96E-06
2813	490287.25, 3859422.08	7.55E-02	2.38E-05	3.15E-06	4.30E-02	1.36E-05	1.79E-06	9.74E-03	3.08E-06	4.06E-07	1.01E-02	3.18E-06	4.20E-07	3.16E-06	1.81E-06
2814	490337.25, 3859422.08	7.05E-02	2.22E-05	2.94E-06	4.01E-02	1.26E-05	1.67E-06	8.92E-03	2.81E-06	3.72E-07	9.21E-03	2.91E-06	3.84E-07	2.95E-06	1.68E-06
2815	490187.25, 3859472.08	1.12E-01	3.55E-05	4.68E-06	6.43E-02	2.03E-05	2.68E-06	1.48E-02	4.68E-06	6.18E-07	1.55E-02	4.89E-06	6.45E-07	4.71E-06	2.71E-06
2816	490237.25, 3859472.08	9.60E-02	3.03E-05	4.00E-06	5.53E-02	1.74E-05	2.30E-06	1.32E-02	4.18E-06	5.52E-07	1.38E-02	4.35E-06	5.74E-07	4.02E-06	2.33E-06

2817 490287.25, 3859472.08	8.54E-02	2.69E-05	3.56E-06	4.92E-02	1.55E-05	2.05E-06	1.19E-02	3.75E-06	4.95E-07	1.24E-02	3.90E-06	5.15E-07	3.58E-06	2.07E-06
2818 490337.25, 3859472.08	7.83E-02	2.47E-05	3.26E-06	4.51E-02	1.42E-05	1.88E-06	1.08E-02	3.41E-06	4.51E-07	1.12E-02	3.54E-06	4.68E-07	3.28E-06	1.90E-06
2819 490297.07, 3859500.42	9.21E-02	2.91E-05	3.84E-06	5.35E-02	1.69E-05	2.23E-06	1.34E-02	4.22E-06	5.57E-07	1.39E-02	4.39E-06	5.80E-07	3.86E-06	2.25E-06
2820 490327.07, 3859500.42	8.71E-02	2.75E-05	3.63E-06	5.05E-02	1.59E-05	2.10E-06	1.26E-02	3.98E-06	5.25E-07	1.31E-02	4.14E-06	5.46E-07	3.65E-06	2.13E-06
2821 490297.07, 3859530.42	1.09E-01	3.44E-05	4.54E-06	6.33E-02	2.00E-05	2.64E-06	1.59E-02	5.02E-06	6.63E-07	1.66E-02	5.23E-06	6.91E-07	4.57E-06	2.67E-06
2822 490327.07, 3859530.42	1.01E-01	3.20E-05	4.23E-06	5.89E-02	1.86E-05	2.45E-06	1.48E-02	4.67E-06	6.17E-07	1.54E-02	4.87E-06	6.43E-07	4.25E-06	2.48E-06
2823 490319.73, 3859055.34	5.15E-02	1.63E-05	2.15E-06	2.79E-02	8.79E-06	1.16E-06	4.32E-03	1.36E-06	1.80E-07	4.31E-03	1.36E-06	1.79E-07	2.14E-06	1.16E-06
2824 490319.73, 3859105.34	5.27E-02	1.66E-05	2.20E-06	2.86E-02	9.04E-06	1.19E-06	4.60E-03	1.45E-06	1.91E-07	4.60E-03	1.45E-06	1.92E-07	2.20E-06	1.19E-06
2825 490069.73, 3859155.34	6.38E-02	2.01E-05	2.66E-06	3.52E-02	1.11E-05	1.47E-06	6.52E-03	2.06E-06	2.72E-07	6.58E-03	2.08E-06	2.74E-07	2.66E-06	1.47E-06
2826 490119.73, 3859155.34	6.14E-02	1.94E-05	2.56E-06	3.38E-02	1.07E-05	1.41E-06	6.15E-03	1.94E-06	2.56E-07	6.21E-03	1.96E-06	2.59E-07	2.56E-06	1.41E-06
2827 490269.73, 3859155.34	5.57E-02	1.76E-05	2.32E-06	3.05E-02	9.62E-06	1.27E-06	5.27E-03	1.66E-06	2.19E-07	5.30E-03	1.67E-06	2.21E-07	2.32E-06	1.27E-06
2828 490319.73, 3859155.34	5.41E-02	1.71E-05	2.26E-06	2.96E-02	9.33E-06	1.23E-06	4.96E-03	1.56E-06	2.07E-07	4.99E-03	1.57E-06	2.08E-07	2.26E-06	1.23E-06
2829 490069.73, 3859205.34	6.70E-02	2.12E-05	2.79E-06	3.74E-02	1.18E-05	1.56E-06	7.33E-03	2.31E-06	3.05E-07	7.45E-03	2.35E-06	3.10E-07	2.80E-06	1.56E-06
2830 490119.73, 3859205.34	6.42E-02	2.03E-05	2.67E-06	3.57E-02	1.13E-05	1.49E-06	6.91E-03	2.18E-06	2.88E-07	7.02E-03	2.22E-06	2.92E-07	2.68E-06	1.49E-06
2831 490169.73, 3859205.34	6.17E-02	1.95E-05	2.57E-06	3.42E-02	1.08E-05	1.43E-06	6.51E-03	2.05E-06	2.71E-07	6.60E-03	2.08E-06	2.75E-07	2.58E-06	1.43E-06
2832 490219.73, 3859205.34	5.96E-02	1.88E-05	2.48E-06	3.29E-02	1.04E-05	1.37E-06	6.09E-03	1.92E-06	2.54E-07	6.17E-03	1.95E-06	2.57E-07	2.49E-06	1.38E-06
2833 490269.73, 3859205.34	5.77E-02	1.82E-05	2.40E-06	3.17E-02	1.00E-05	1.32E-06	5.68E-03	1.79E-06	2.37E-07	5.75E-03	1.81E-06	2.40E-07	2.41E-06	1.33E-06
2834 490319.73, 3859205.34	5.59E-02	1.76E-05	2.33E-06	3.07E-02	9.68E-06	1.28E-06	5.37E-03	1.69E-06	2.24E-07	5.43E-03	1.71E-06	2.26E-07	2.33E-06	1.28E-06
2835 490069.73, 3859255.34	7.13E-02	2.25E-05	2.97E-06	4.01E-02	1.27E-05	1.67E-06	8.31E-03	2.62E-06	3.46E-07	8.50E-03	2.68E-06	3.54E-07	2.98E-06	1.68E-06
2836 490119.73, 3859255.34	6.79E-02	2.14E-05	2.83E-06	3.81E-02	1.20E-05	1.59E-06	7.77E-03	2.45E-06	3.24E-07	7.93E-03	2.50E-06	3.31E-07	2.83E-06	1.59E-06
2837 490169.73, 3859255.34	6.49E-02	2.05E-05	2.71E-06	3.63E-02	1.15E-05	1.51E-06	7.26E-03	2.29E-06	3.03E-07	7.41E-03	2.34E-06	3.09E-07	2.71E-06	1.52E-06
2838 490219.73, 3859255.34	6.24E-02	1.97E-05	2.60E-06	3.47E-02	1.10E-05	1.45E-06	6.76E-03	2.13E-06	2.82E-07	6.88E-03	2.17E-06	2.87E-07	2.60E-06	1.45E-06
2839 490269.73, 3859255.34	6.01E-02	1.90E-05	2.50E-06	3.33E-02	1.05E-05	1.39E-06	6.30E-03	1.99E-06	2.62E-07	6.41E-03	2.02E-06	2.67E-07	2.51E-06	1.39E-06
2840 490319.73, 3859255.34	5.81E-02	1.83E-05	2.42E-06	3.21E-02	1.01E-05	1.34E-06	5.91E-03	1.87E-06	2.46E-07	6.01E-03	1.90E-06	2.50E-07	2.42E-06	1.34E-06
2841 490069.73, 3859305.34	7.77E-02	2.45E-05	3.24E-06	4.41E-02	1.39E-05	1.84E-06	9.62E-03	3.04E-06	4.01E-07	9.92E-03	3.13E-06	4.13E-07	3.25E-06	1.85E-06
2842 490119.73, 3859305.34	7.32E-02	2.31E-05	3.05E-06	4.14E-02	1.31E-05	1.72E-06	8.90E-03	2.81E-06	3.71E-07	9.16E-03	2.89E-06	3.81E-07	3.06E-06	1.74E-06
2843 490169.73, 3859305.34	6.95E-02	2.19E-05	2.89E-06	3.91E-02	1.24E-05	1.63E-06	8.24E-03	2.60E-06	3.43E-07	8.47E-03	2.67E-06	3.53E-07	2.90E-06	1.64E-06
2844 490219.73, 3859305.34	6.63E-02	2.09E-05	2.76E-06	3.72E-02	1.17E-05	1.55E-06	7.64E-03	2.41E-06	3.18E-07	7.83E-03	2.47E-06	3.26E-07	2.77E-06	1.56E-06
2845 490269.73, 3859305.34	6.34E-02	2.00E-05	2.64E-06	3.54E-02	1.12E-05	1.48E-06	7.09E-03	2.24E-06	2.95E-07	7.25E-03	2.29E-06	3.02E-07	2.65E-06	1.48E-06
2846 490319.73, 3859305.34	6.09E-02	1.92E-05	2.54E-06	3.39E-02	1.07E-05	1.41E-06	6.58E-03	2.08E-06	2.74E-07	6.72E-03	2.12E-06	2.80E-07	2.54E-06	1.42E-06
2847 490069.73, 3859355.34	8.90E-02	2.81E-05	3.71E-06	5.07E-02	1.60E-05	2.11E-06	1.15E-02	3.63E-06	4.79E-07	1.19E-02	3.77E-06	4.98E-07	3.73E-06	2.13E-06
2848 490119.73, 3859355.34	8.19E-02	2.59E-05	3.41E-06	4.66E-02	1.47E-05	1.94E-06	1.05E-02	3.31E-06	4.37E-07	1.09E-02	3.43E-06	4.52E-07	3.43E-06	1.96E-06
2849 490169.73, 3859355.34	7.64E-02	2.41E-05	3.18E-06	4.34E-02	1.37E-05	1.81E-06	9.59E-03	3.03E-06	3.99E-07	9.91E-03	3.13E-06	4.13E-07	3.20E-06	1.82E-06
2850 490219.73, 3859355.34	7.19E-02	2.27E-05	2.99E-06	4.07E-02	1.28E-05	1.69E-06	8.79E-03	2.77E-06	3.66E-07	9.06E-03	2.86E-06	3.77E-07	3.01E-06	1.71E-06
2851 490269.73, 3859355.34	6.80E-02	2.15E-05	2.83E-06	3.83E-02	1.21E-05	1.60E-06	8.11E-03	2.56E-06	3.38E-07	8.35E-03	2.63E-06	3.48E-07	2.84E-06	1.61E-06
2852 490319.73, 3859355.34	6.47E-02	2.04E-05	2.70E-06	3.63E-02	1.15E-05	1.51E-06	7.49E-03	2.36E-06	3.12E-07	7.69E-03	2.43E-06	3.20E-07	2.70E-06	1.52E-06
2853 490069.73, 3859405.34	1.11E-01	3.50E-05	4.62E-06	6.31E-02	1.99E-05	2.63E-06	1.43E-02	4.50E-06	5.94E-07	1.49E-02	4.70E-06	6.21E-07	4.64E-06	2.66E-06
2854 490119.73, 3859405.34	9.73E-02	3.07E-05	4.05E-06	5.56E-02	1.75E-05	2.32E-06	1.27E-02	4.01E-06	5.29E-07	1.32E-02	4.18E-06	5.52E-07	4.08E-06	2.34E-06
2855 490169.73, 3859405.34	8.77E-02	2.77E-05	3.65E-06	5.01E-02	1.58E-05	2.09E-06	1.14E-02	3.61E-06	4.77E-07	1.19E-02	3.75E-06	4.95E-07	3.67E-06	2.11E-06
2856 490219.73, 3859405.34	8.05E-02	2.54E-05	3.36E-06	4.59E-02	1.45E-05	1.91E-06	1.04E-02	3.28E-06	4.33E-07	1.08E-02	3.40E-06	4.49E-07	3.37E-06	1.93E-06
2857 490269.73, 3859405.34	7.47E-02	2.36E-05	3.11E-06	4.25E-02	1.34E-05	1.77E-06	9.46E-03	2.98E-06	3.94E-07	9.78E-03	3.09E-06	4.07E-07	3.13E-06	1.78E-06
2858 490319.73, 3859405.34	6.99E-02	2.21E-05	2.91E-06	3.96E-02	1.25E-05	1.65E-06	8.67E-03	2.74E-06	3.61E-07	8.95E-03	2.82E-06	3.73E-07	2.92E-06	1.66E-06
2859 490161.89, 3859541.83	1.37E-01	4.33E-05	5.72E-06	8.35E-02	2.64E-05	3.48E-06	2.59E-02	8.19E-06	1.08E-06	2.70E-02	8.53E-06	1.13E-06	5.76E-06	3.53E-06
2860 490171.89, 3859541.83	1.35E-01	4.27E-05	5.63E-06	8.20E-02	2.59E-05	3.41E-06	2.50E-02	7.90E-06	1.04E-06	2.61E-02	8.23E-06	1.09E-06	5.68E-06	3.46E-06
2861 490161.89, 3859551.83	1.40E-01	4.40E-05	5.81E-06	8.64E-02	2.73E-05	3.60E-06	2.87E-02	9.04E-06	1.19E-06	2.99E-02	9.42E-06	1.24E-06	5.86E-06	3.65E-06
2862 490171.89, 3859551.83	1.37E-01	4.34E-05	5.73E-06	8.47E-02	2.67E-05	3.53E-06	2.76E-02	8.70E-06	1.15E-06	2.87E-02	9.06E-06	1.20E-06	5.78E-06	3.58E-06
2863 489799.72, 3859348.21	1.46E-01	4.61E-05	6.09E-06	8.68E-02	2.74E-05	3.62E-06	2.43E-02	7.68E-06	1.01E-06	2.58E-02	8.15E-06	1.08E-06	6.15E-06	3.68E-06
2864 489819.72, 3859348.21	1.42E-01	4.48E-05	5.91E-06	8.35E-02	2.64E-05	3.48E-06	2.24E-02	7.07E-06	9.33E-07	2.37E-02	7.48E-06	9.87E-07	5.97E-06	3.53E-06
2865 489799.72, 3859368.21	1.57E-01	4.96E-05	6.55E-06	9.52E-02	3.00E-05	3.96E-06	2.89E-02	9.13E-06	1.21E-06	3.09E-02	9.74E-06	1.29E-06	6.63E-06	4.04E-06
2866 489819.72, 3859368.21	1.53E-01	4.83E-05	6.37E-06	9.14E-02	2.88E-05	3.81E-06	2.62E-02	8.28E-06	1.09E-06	2.79E-02	8.80E-06	1.16E-06	6.44E-06	3.88E-06
2867 489775.41, 3859329.72	1.46E-01	4.61E-05	6.08E-06	8.62E-02	2.72E-05	3.59E-06	2.34E-02	7.39E-06	9.75E-07	2.48E-02	7.82E-06	1.03E-06	6.14E-06	3.65E-06
2868 489795.41, 3859329.72	1.41E-01	4.44E-05	5.87E-06	8.25E-02	2.60E-05	3.44E-06	2.16E-02	6.81E-06	8.99E-07	2.28E-02	7.20E-06	9.50E-07	5.92E-06	3.49E-06
2869 489775.41, 3859349.72	1.53E-01	4.82E-05	6.36E-06	9.22E-02	2.91E-05	3.84E-06	2.76E-02	8.71E-06	1.15E-06	2.94E-02	9.28E-06	1.22E-06	6.44E-06	3.91E-06
2870 489795.41, 3859349.72	1.48E-01	4.67E-05	6.16E-06	8.82E-02	2.78E-05	3.67E-06	2.51E-02	7.93E-06	1.05E-06	2.67E-02	8.42E-06	1.11E-06	6.22E-06	3.74E-06
2871 489595.05, 3859219.43	1.47E-01	4.63E-05	6.12E-06	8.53E-02	2.69E-05	3.56E-06	2.15E-02	6.80E-06	8.97E-07	2.27E-02	7.18E-06	9.48E-07	6.17E-06	3.61E-06
2872 489615.05, 3859219.43	1.42E-01	4.49E-05	5.92E-06	8.20E-02	2.59E-05	3.42E-06	1.99E-02	6.29E-06	8.31E-07	2.10E-02	6.62E-06	8.74E-07	5.96E-06	3.46E-06
2873 489595.05, 3859239.43	1.55E-01	4.89E-05	6.45E-06	9.16E-02	2.89E-05	3.82E-06	2.51E-02	7.92E-06	1.05E-06	2.66E-02	8.40E-06	1.11E-06	6.52E-06	3.88E-06
2874 489615.05, 3859239.43	1.51E-01	4.76E-05	6.28E-06	8.82E-02	2.78E-05	3.67E-06	2.30E-02	7.25E-06	9.57E-07	2.43E-02	7.66E-06	1.01E-06	6.33E-06	3.73E-06
2875 489372.4, 3859092.58	1.38E-01	4.37E-05	5.77E-06	8.09E-02	2.55E-05	3.37E-06	2.09E-02	6.60E-06	8.71E-07	2.28E-02	7.19E-06	9.49E-07	5.85E-06	3.45E-06
2876 489422.4, 3859092.58	1.33E-01	4.19E-05	5.53E-06	7.59E-02	2.40E-05	3.16E-06	1.76E-02	5.54E-06	7.31E-07	1.88E-02	5.93E-06	7.82E-07	5.58E-06	3.21E-06
2877 489372.4, 3859142.58	1.63E-01	5.13E-05	6.77E-06	9.95E-02	3.14E-05	4.15E-06	3.16E-02	9.98E-06	1.32E-06	3.56E-02	1.12E-05	1.48E-06	6.94E-06	4.31E-06
2878 489422.4, 3859142.58	1.53E-01	4.82E-05	6.36E-06	9.03E-02	2.85E-05	3.76E-06	2.47E-02	7.80E-06	1.03E-06	2.70E-02	8.54E-06	1.13E-06	6.46E-06	3.86E-06
2879 488870.84, 3858666.64	1.46E-01	4.62E-05	6.10E-06	7.78E-02	2.46E-05	3.24E-06	1.02E-02	3.23E-06	4.27E-07	1.39E-02	4.38E-06	5.78E-07	6.25E-06	3.39E-06
2880 488900.84, 3858666.64	1.36E-01	4.31E-05	5.69E-06	7.27E-02	2.29E-05	3.03E-06	9.71E-03	3.06E-06	4.04E-07	1.27E-02	4.00E-06	5.28E-07	5.81E-06	3.15E-06
2881 488870.84, 3858696.64	1.42E-01	4.47E-05	5.90E-06	7.63E-02	2.41E-05	3.18E-06	1.14E-02	3.60E-06	4.75E-07	1.58E-02	4.98E-06	6.57E-07	6.09E-06	3.36E-06
2882 488900.84, 3858696.64	1.32E-01	4.18E-05	5.51E-06	7.13E-02	2.25E-05	2.97E-06	1.07E-02	3.39E-06	4.47E-07	1.43E-02	4.50E-06	5.95E-07	5.66E-06	3.12E-06
2883 488889.67, 3858683.97	1.37E-01	4.32E-05	5.70E-06	7.33E-02	2.31E-05	3.06E-06	1.05E-02	3.31E-06	4.37E-07	1.40E-02	4.42E-06	5.84E-07	5.84E-06	3.20E-06
2884 488919.67, 3858683.97	1.29E-01	4.08E-05	5.39E-06	6.94E-02	2.19E-05	2.89E-06	9.93E-03	3.13E-06	4.14E-07	1.28E-02	4.05E-06	5.34E-07	5.51E-06	3.01E-06
2885 488889.67, 3858713.97	1.35E-01	4.25E-05	5.61E-06	7.31E-02	2.31E-05	3.04E-06	1.17E-02	3.70E-06	4.88E-07	1.60E-02	5.06E-06	6.68E-07	5.79E-06	3.22E-06
2886 488919.67, 3858713.97	1.27E-01	4.01E-05	5.29E-06	6.89E-02	2.17E-05	2.87E-06	1.10E-02	3.48E-06	4.59E-07	1.45E-02	4.58E-06	6.04E-07	5.43E-06	3.02E-06
2887 488906.61, 3858703.33	1.30E-01	4.11E-05	5.43E-06	7.05E-02	2.22E-05	2.94E-06	1.09E-02	3.43E-06	4.53E-07	1.44E-02	4.55E-06	6.01E-07	5.58E-06	3.08E-06
2888 488936.61, 3858703.33	1.24E-01	3.92E-05	5.18E-06	6.71E-02	2.12E-05	2.80E-06	1.03E-02	3.24E-06	4.28E-07	1.32E-02	4.16E-06	5.49E-07	5.30E-06	2.92E-06
2889 488906.61, 3858733.33	1.30E-01	4.11E-05	5.42E-06	7.12E-02	2.25E-05	2.97E-06	1.22E-02	3.84E-06	5.07E-07	1.66E-02	5.25E-06	6.92E-07	5.61E-06	3.15E-06
2890 488936.61, 3858733.33	1.23E-01	3.90E-05	5.14E-06	6.75E-02	2.13E-05	2.81E-06	1.14E-02	3.60E-06	4.76E-07	1.50E-02	4.74E-06	6.25E-07	5.29E-06	2.96E-06
2891 488637.63, 3858467.85	1.57E-01	4.97E-05	6.56E-06	8.20E-02	2.59E-05	3.42E-06	8.29E-03	2.61E-06	3.45E-07	1.45E-02	4.57E-06	6.04E-07	6.82E-06	3.67E-06
2892 488662.63, 3858467.85	1.49E-01	4.69E-05	6.19E-06	7.75E-02	2.45E-05	3.23E-06	8.00E-03	2.52E-06	3.33E-07	1.33E-02	4.21E-06	5.55E-07	6.41E-06	3.45E-06
2893 488637.63, 3858492.85	1.55E-01	4.90E-05	6.47E-06	8.13E-02	2.57E-05	3.39E-06	8.89E-03	2.81E-06	3.70E-07	1.60E-02	5.06E-06	6.68E-07	6.76E-06	3.68E-06
2894 488662.63, 3858492.85	1.48E-01	4.68E-05	6.18E-06	7.77E-02	2.45E-05	3.24E-06	8.55E-03	2.70E-06	3.56E-07	1.46E-02	4.61E-06	6.08E-07	6.43E-06	3.49E-06
2895 488687.63, 3858492.85	1.44E-01	4.56E-05	6.02E-06	7.56E-02	2.39E-05	3.15E-06	8.24E-03	2.60E-06	3.43E-07	1.34E-02	4.23E-06	5.58E-07	6.23E-06	3.37E-06
2896 488637.63, 3858517.85	1.59E-01	5.03E-05	6.64E-06	8.38E-02	2.65E-05	3.49E-06	9.60E-03	3.03E-06	4.00E-07	1.79E-02	5.66E-06	7.48E-07	6.99E-06	3.84E-06
2897 488662.63, 3858517.85	1.54E-01	4.85E-05	6.40E-06	8.07E-02	2.55E-05	3.36E-06	9.20E-03	2.90E-06	3.83E-07	1.62E-02	5.10E-06	6.73E-07	6.69E-06	3.65E-06
2898 488687.63, 3858517.85	1.51E-01	4.75E-05	6.28E-06	7.90E-02	2.49E-05	3.29E-06	8.84E-03	2.79E-06	3.68E-07	1.47E-02	4.64E-06	6.13E-07	6.52E-06	3.54E-06
2899 488194.42, 3857168.98	9.47E-02	2.99E-05	3.94E-06	4.75E-02	1.50E-05	1.98E-06	2.17E-03	6.85E-07	9.05E-08	3.53E-03	1.12E-06	1.47E-07	4.00E-06	2.03E-06
2900 488244.42, 3857168.98	8.73E-02	2.75E-05	3.64E-06	4.39E-02	1.38E-05	1.83E-06	2.16E-03	6.81E-07	8.99E-08	3.41E-03	1.08E-06	1.42E-07	3.69E-06	1.88E-06
2901 488294.42, 3857168.98	8.17E-02	2.58E-05	3.41E-06	4.12E-02	1.30E-05	1.71E-06	2.14E-03	6.74E-07	8.90E-08	3.30E-03	1.04E-06	1.37E-07	3.45E-06	1.76E-06
2902 488244.42, 3857218.98	9.24E-02	2.92E-05	3.85E-06	4.64E-02	1.46E-05	1.93E-06	2.21E-03	6.99E-07	9.22E-08	3.54E-03	1.12E-06	1.47E-07	3.91E-06	1.99E-06
2903 488294.42, 3857218.98	8.55E-02	2.70E-05	3.56E-06	4.30E-02	1.36E-05	1.79E-06	2.19E-03	6.92E-07	9.14E-08	3.42E-03	1.08E-06	1.42E-07	3.61E-06	1.84E-06
2904 488294.42, 3857268.98	8.85E-02	2.79E-05	3.69E-06	4.46E-02	1.41E-05	1.86E-06	2.26E-03	7.13E-07	9.42E-08	3.55E-03	1.12E-06	1.48E-07	3.74E-06	1.91E-06
2905 488139.13, 3857111.68	9.44E-02	2.98E-05	3.93E-06	4.73E-02	1.49E-05	1.97E-06	2.13E-03	6.72E-07	8.88E-08	3.52E-03	1.11E-06	1.47E-07	3.99E-06	2.03E-06
2906 488189.13, 3857111.68	8.73E-02	2.75E-05	3.64E-06	4.38E-02	1.38E-05	1.83E-06	2.12E-03	6.69E-07	8.83E-08	3.40E-03	1.07E-06	1.42E-07	3.69E-06	1.88E-06
2907 488189.13, 3857161.68	9.44E-02	2.98E-05	3.93E-06	4.74E-02	1.50E-05	1.97E-06	2.17E-03	6.84E-07	9.03E-08	3.53E-03	1.11E-06	1.47E-07	3.99E-06	2.03E-06
2908 487951.04, 3856961.26	1.03E-01	3.25E-05	4.30E-06	5.15E-02	1.63E-05	2.15E-06	2.06E-03	6.50E-07	8.58E-08	3.60E-03	1.14E-06	1.50E-07	4.36E-06	2.21E-06
2909 488001.04, 3856961.26	9.32E-02	2.94E-05	3.88E-06	4.67E-02	1.47E-05	1.95E-06	2.04E-03	6.44E-07	8.50E-08	3.47E-03	1.10E-06	1.45E-07	3.94E-06	2.01E-06
2910 488051.04, 3856961.26	8.63E-02	2.72E-05	3.59E-06	4.33E-02	1.37E-05	1.80E-06	2.01E-03	6.35E-07	8.38E-08	3.35E-03	1.06E-06	1.40E-07	3.65E-06	1.86E-06

2911 488101.04, 3856961.26	8.05E-02	2.54E-05	3.36E-06	4.05E-02	1.28E-05	1.69E-06	2.00E-03	6.32E-07	8.35E-08	3.24E-03	1.02E-06	1.35E-07	3.41E-06	1.74E-06
2912 487951.04, 3857011.26	1.11E-01	3.49E-05	4.61E-06	5.52E-02	1.74E-05	2.30E-06	2.12E-03	6.69E-07	8.83E-08	3.74E-03	1.18E-06	1.56E-07	4.68E-06	2.37E-06
2913 488001.04, 3857011.26	1.00E-01	3.17E-05	4.18E-06	5.02E-02	1.58E-05	2.09E-06	2.09E-03	6.59E-07	8.69E-08	3.61E-03	1.14E-06	1.50E-07	4.24E-06	2.15E-06
2914 488051.04, 3857011.26	9.20E-02	2.91E-05	3.83E-06	4.61E-02	1.46E-05	1.92E-06	2.06E-03	6.50E-07	8.58E-08	3.48E-03	1.10E-06	1.45E-07	3.89E-06	1.98E-06
2915 488101.04, 3857011.26	8.53E-02	2.69E-05	3.56E-06	4.29E-02	1.35E-05	1.79E-06	2.05E-03	6.47E-07	8.54E-08	3.36E-03	1.06E-06	1.40E-07	3.61E-06	1.84E-06
2916 488001.04, 3857061.26	1.10E-01	3.48E-05	4.59E-06	5.51E-02	1.74E-05	2.29E-06	2.14E-03	6.76E-07	8.93E-08	3.75E-03	1.18E-06	1.56E-07	4.66E-06	2.36E-06
2917 488051.04, 3857061.26	9.98E-02	3.15E-05	4.16E-06	5.00E-02	1.58E-05	2.08E-06	2.12E-03	6.69E-07	8.83E-08	3.61E-03	1.14E-06	1.50E-07	4.22E-06	2.14E-06
2918 488101.04, 3857061.26	9.17E-02	2.89E-05	3.82E-06	4.60E-02	1.45E-05	1.92E-06	2.10E-03	6.63E-07	8.75E-08	3.48E-03	1.10E-06	1.45E-07	3.88E-06	1.97E-06
2919 487638.98, 3856673.79	7.00E-02	2.21E-05	2.91E-06	3.53E-02	1.11E-05	1.47E-06	1.91E-03	6.02E-07	7.94E-08	3.63E-03	1.15E-06	1.51E-07	2.99E-06	1.54E-06
2920 487688.98, 3856673.79	6.87E-02	2.17E-05	2.86E-06	3.47E-02	1.09E-05	1.44E-06	1.89E-03	5.95E-07	7.86E-08	3.50E-03	1.10E-06	1.46E-07	2.93E-06	1.51E-06
2921 487638.98, 3856723.79	7.41E-02	2.34E-05	3.09E-06	3.73E-02	1.18E-05	1.55E-06	1.96E-03	6.18E-07	8.15E-08	3.78E-03	1.19E-06	1.57E-07	3.16E-06	1.63E-06
2922 487688.98, 3856723.79	7.31E-02	2.31E-05	3.05E-06	3.68E-02	1.16E-05	1.53E-06	1.93E-03	6.11E-07	8.06E-08	3.64E-03	1.15E-06	1.51E-07	3.12E-06	1.61E-06
2923 486324.61, 3855740.57	7.72E-02	2.44E-05	3.22E-06	3.87E-02	1.22E-05	1.61E-06	1.69E-03	5.34E-07	7.05E-08	4.50E-03	1.42E-06	1.88E-07	3.33E-06	1.73E-06
2924 486374.61, 3855740.57	7.54E-02	2.38E-05	3.14E-06	3.78E-02	1.19E-05	1.57E-06	1.64E-03	5.18E-07	6.83E-08	4.21E-03	1.33E-06	1.75E-07	3.25E-06	1.68E-06
2925 486424.61, 3855740.57	7.34E-02	2.32E-05	3.06E-06	3.68E-02	1.16E-05	1.53E-06	1.61E-03	5.08E-07	6.70E-08	4.00E-03	1.26E-06	1.67E-07	3.16E-06	1.63E-06
2926 486324.61, 3855790.57	8.03E-02	2.54E-05	3.35E-06	4.02E-02	1.27E-05	1.68E-06	1.73E-03	5.47E-07	7.22E-08	4.75E-03	1.50E-06	1.98E-07	3.47E-06	1.80E-06
2927 486374.61, 3855790.57	7.83E-02	2.47E-05	3.26E-06	3.92E-02	1.24E-05	1.63E-06	1.68E-03	5.31E-07	7.00E-08	4.43E-03	1.40E-06	1.84E-07	3.38E-06	1.75E-06
2928 486424.61, 3855790.57	7.60E-02	2.40E-05	3.17E-06	3.80E-02	1.20E-05	1.59E-06	1.66E-03	5.23E-07	6.90E-08	4.22E-03	1.33E-06	1.76E-07	3.27E-06	1.69E-06
2929 486324.61, 3855840.57	8.38E-02	2.64E-05	3.49E-06	4.19E-02	1.32E-05	1.75E-06	1.77E-03	5.60E-07	7.39E-08	5.03E-03	1.59E-06	2.09E-07	3.63E-06	1.88E-06
2930 486374.61, 3855840.57	8.11E-02	2.56E-05	3.38E-06	4.06E-02	1.28E-05	1.69E-06	1.74E-03	5.49E-07	7.25E-08	4.75E-03	1.50E-06	1.98E-07	3.50E-06	1.82E-06
2931 486424.61, 3855840.57	7.87E-02	2.48E-05	3.28E-06	3.94E-02	1.24E-05	1.64E-06	1.70E-03	5.38E-07	7.10E-08	4.48E-03	1.42E-06	1.87E-07	3.39E-06	1.76E-06
2932 486324.61, 3855890.57	8.72E-02	2.75E-05	3.63E-06	4.36E-02	1.38E-05	1.82E-06	1.84E-03	5.80E-07	7.66E-08	5.44E-03	1.72E-06	2.27E-07	3.78E-06	1.97E-06
2933 486374.61, 3855890.57	8.42E-02	2.66E-05	3.51E-06	4.22E-02	1.33E-05	1.76E-06	1.80E-03	5.68E-07	7.50E-08	5.10E-03	1.61E-06	2.13E-07	3.65E-06	1.89E-06
2934 486424.61, 3855890.57	8.16E-02	2.58E-05	3.40E-06	4.09E-02	1.29E-05	1.70E-06	1.76E-03	5.55E-07	7.32E-08	4.79E-03	1.51E-06	2.00E-07	3.53E-06	1.83E-06
2935 488735.69, 3858285.64	1.33E-01	4.20E-05	5.55E-06	6.81E-02	2.15E-05	2.84E-06	5.12E-03	1.62E-06	2.13E-07	7.18E-03	2.27E-06	2.99E-07	5.63E-06	2.92E-06
2936 488765.69, 3858285.64	1.24E-01	3.90E-05	5.15E-06	6.34E-02	2.00E-05	2.64E-06	5.00E-03	1.58E-06	2.08E-07	6.84E-03	2.16E-06	2.85E-07	5.22E-06	2.72E-06
2937 488735.69, 3858315.64	1.29E-01	4.07E-05	5.37E-06	6.62E-02	2.09E-05	2.76E-06	5.38E-03	1.70E-06	2.24E-07	7.59E-03	2.39E-06	3.16E-07	5.46E-06	2.85E-06
2938 488765.69, 3858315.64	1.21E-01	3.81E-05	5.02E-06	6.21E-02	1.96E-05	2.59E-06	5.24E-03	1.65E-06	2.18E-07	7.21E-03	2.28E-06	3.00E-07	5.11E-06	2.67E-06
2939 478676.63, 3849871.93	1.85E-02	5.85E-06	7.72E-07	1.30E-02	4.09E-06	5.40E-07	6.11E-03	1.93E-06	2.55E-07	6.40E-03	2.02E-06	2.67E-07	7.84E-07	5.52E-07
2940 479326.63, 3849871.93	1.28E-02	4.04E-06	5.33E-07	8.59E-03	2.71E-06	3.58E-07	3.66E-03	1.15E-06	1.52E-07	3.83E-03	1.21E-06	1.59E-07	5.40E-07	3.65E-07
2941 479376.63, 3849871.93	1.25E-02	3.95E-06	5.21E-07	8.38E-03	2.64E-06	3.49E-07	3.55E-03	1.12E-06	1.48E-07	3.71E-03	1.17E-06	1.55E-07	5.28E-07	3.56E-07
2942 479426.63, 3849871.93	1.23E-02	3.87E-06	5.11E-07	8.21E-03	2.59E-06	3.42E-07	3.46E-03	1.09E-06	1.44E-07	3.62E-03	1.14E-06	1.51E-07	5.18E-07	3.49E-07
2943 478726.63, 3849921.93	1.95E-02	6.17E-06	8.14E-07	1.37E-02	4.31E-06	5.69E-07	6.44E-03	2.03E-06	2.68E-07	6.73E-03	2.13E-06	2.81E-07	8.26E-07	5.82E-07
2944 478776.63, 3849921.93	1.88E-02	5.92E-06	7.82E-07	1.31E-02	4.13E-06	5.45E-07	6.13E-03	1.93E-06	2.55E-07	6.41E-03	2.02E-06	2.67E-07	7.94E-07	5.57E-07
2945 478826.63, 3849921.93	1.81E-02	5.70E-06	7.53E-07	1.26E-02	3.97E-06	5.24E-07	5.84E-03	1.84E-06	2.43E-07	6.11E-03	1.93E-06	2.55E-07	7.64E-07	5.35E-07
2946 478976.63, 3849921.93	1.64E-02	5.17E-06	6.82E-07	1.13E-02	3.56E-06	4.70E-07	5.12E-03	1.62E-06	2.13E-07	5.35E-03	1.69E-06	2.23E-07	6.92E-07	4.80E-07
2947 479026.63, 3849921.93	1.59E-02	5.02E-06	6.62E-07	1.09E-02	3.45E-06	4.55E-07	4.94E-03	1.56E-06	2.06E-07	5.16E-03	1.63E-06	2.15E-07	6.72E-07	4.64E-07
2948 479076.63, 3849921.93	1.55E-02	4.88E-06	6.44E-07	1.06E-02	3.34E-06	4.41E-07	4.75E-03	1.50E-06	1.98E-07	4.97E-03	1.57E-06	2.07E-07	6.53E-07	4.50E-07
2949 479126.63, 3849921.93	1.50E-02	4.75E-06	6.27E-07	1.03E-02	3.24E-06	4.28E-07	4.58E-03	1.44E-06	1.91E-07	4.78E-03	1.51E-06	1.99E-07	6.35E-07	4.37E-07
2950 479176.63, 3849921.93	1.46E-02	4.62E-06	6.10E-07	9.98E-03	3.15E-06	4.16E-07	4.42E-03	1.40E-06	1.84E-07	4.62E-03	1.46E-06	1.93E-07	6.18E-07	4.24E-07
2951 479226.63, 3849921.93	1.43E-02	4.51E-06	5.95E-07	9.69E-03	3.06E-06	4.04E-07	4.24E-03	1.34E-06	1.77E-07	4.43E-03	1.40E-06	1.85E-07	6.03E-07	4.12E-07
2952 479276.63, 3849921.93	1.39E-02	4.39E-06	5.79E-07	9.36E-03	2.96E-06	3.90E-07	4.02E-03	1.27E-06	1.67E-07	4.20E-03	1.33E-06	1.75E-07	5.87E-07	3.98E-07
2953 479326.63, 3849921.93	1.36E-02	4.29E-06	5.67E-07	9.19E-03	2.90E-06	3.83E-07	3.97E-03	1.25E-06	1.66E-07	4.15E-03	1.31E-06	1.73E-07	5.74E-07	3.90E-07
2954 479376.63, 3849921.93	1.33E-02	4.19E-06	5.53E-07	8.90E-03	2.81E-06	3.71E-07	3.78E-03	1.19E-06	1.57E-07	3.95E-03	1.25E-06	1.64E-07	5.60E-07	3.78E-07
2955 479426.63, 3849921.93	1.30E-02	4.10E-06	5.42E-07	8.72E-03	2.75E-06	3.63E-07	3.71E-03	1.17E-06	1.55E-07	3.88E-03	1.23E-06	1.62E-07	5.49E-07	3.71E-07
2956 478726.63, 3849971.93	2.16E-02	6.82E-06	9.00E-07	1.51E-02	4.78E-06	6.31E-07	7.17E-03	2.26E-06	2.99E-07	7.50E-03	2.37E-06	3.13E-07	9.14E-07	6.45E-07
2957 478776.63, 3849971.93	2.06E-02	6.52E-06	8.60E-07	1.44E-02	4.55E-06	6.01E-07	6.79E-03	2.14E-06	2.83E-07	7.10E-03	2.24E-06	2.96E-07	8.73E-07	6.14E-07
2958 478826.63, 3849971.93	1.98E-02	6.25E-06	8.25E-07	1.38E-02	4.35E-06	5.75E-07	6.44E-03	2.03E-06	2.68E-07	6.73E-03	2.13E-06	2.81E-07	8.37E-07	5.87E-07
2959 478976.63, 3849971.93	1.77E-02	5.59E-06	7.38E-07	1.22E-02	3.86E-06	5.10E-07	5.60E-03	1.77E-06	2.33E-07	5.86E-03	1.85E-06	2.44E-07	7.49E-07	5.21E-07
2960 479026.63, 3849971.93	1.72E-02	5.42E-06	7.15E-07	1.18E-02	3.73E-06	4.92E-07	5.36E-03	1.69E-06	2.23E-07	5.60E-03	1.77E-06	2.33E-07	7.26E-07	5.02E-07
2961 479076.63, 3849971.93	1.67E-02	5.26E-06	6.94E-07	1.14E-02	3.61E-06	4.76E-07	5.14E-03	1.62E-06	2.14E-07	5.37E-03	1.69E-06	2.24E-07	7.04E-07	4.86E-07
2962 479126.63, 3849971.93	1.62E-02	5.10E-06	6.73E-07	1.11E-02	3.49E-06	4.60E-07	4.93E-03	1.56E-06	2.06E-07	5.16E-03	1.63E-06	2.15E-07	6.83E-07	4.70E-07
2963 479176.63, 3849971.93	1.57E-02	4.96E-06	6.54E-07	1.07E-02	3.38E-06	4.46E-07	4.75E-03	1.50E-06	1.98E-07	4.97E-03	1.57E-06	2.07E-07	6.63E-07	4.55E-07
2964 479226.63, 3849971.93	1.53E-02	4.82E-06	6.37E-07	1.03E-02	3.26E-06	4.30E-07	4.47E-03	1.41E-06	1.86E-07	4.67E-03	1.47E-06	1.95E-07	6.45E-07	4.38E-07
2965 479276.63, 3849971.93	1.49E-02	4.69E-06	6.19E-07	1.01E-02	3.18E-06	4.19E-07	4.38E-03	1.38E-06	1.82E-07	4.58E-03	1.45E-06	1.91E-07	6.28E-07	4.28E-07
2966 479326.63, 3849971.93	1.45E-02	4.57E-06	6.03E-07	9.81E-03	3.10E-06	4.09E-07	4.28E-03	1.35E-06	1.78E-07	4.47E-03	1.41E-06	1.86E-07	6.11E-07	4.17E-07
2967 479376.63, 3849971.93	1.41E-02	4.47E-06	5.89E-07	9.51E-03	3.00E-06	3.96E-07	4.07E-03	1.28E-06	1.69E-07	4.25E-03	1.34E-06	1.77E-07	5.97E-07	4.04E-07
2968 479426.63, 3849971.93	1.38E-02	4.36E-06	5.76E-07	9.28E-03	2.93E-06	3.87E-07	3.96E-03	1.25E-06	1.65E-07	4.14E-03	1.31E-06	1.72E-07	5.84E-07	3.94E-07
2969 478726.63, 3850021.93	2.42E-02	7.65E-06	1.01E-06	1.70E-02	5.38E-06	7.10E-07	8.11E-03	2.56E-06	3.38E-07	8.47E-03	2.67E-06	3.53E-07	1.03E-06	7.25E-07
2970 478776.63, 3850021.93	2.30E-02	7.27E-06	9.59E-07	1.61E-02	5.09E-06	6.72E-07	7.62E-03	2.40E-06	3.17E-07	7.96E-03	2.51E-06	3.32E-07	9.73E-07	6.86E-07
2971 478826.63, 3850021.93	2.20E-02	6.93E-06	9.15E-07	1.53E-02	4.84E-06	6.38E-07	7.18E-03	2.27E-06	2.99E-07	7.51E-03	2.37E-06	3.13E-07	9.28E-07	6.52E-07
2972 478976.63, 3850021.93	1.94E-02	6.12E-06	8.08E-07	1.34E-02	4.23E-06	5.58E-07	6.14E-03	1.94E-06	2.56E-07	6.42E-03	2.03E-06	2.67E-07	8.19E-07	5.70E-07
2973 478726.63, 3850071.93	2.77E-02	8.74E-06	1.15E-06	1.95E-02	6.16E-06	8.13E-07	9.35E-03	2.95E-06	3.89E-07	9.75E-03	3.08E-06	4.06E-07	1.17E-06	8.30E-07
2974 478776.63, 3850071.93	2.61E-02	8.24E-06	1.09E-06	1.83E-02	5.78E-06	7.63E-07	8.69E-03	2.74E-06	3.62E-07	9.07E-03	2.86E-06	3.78E-07	1.10E-06	7.79E-07
2975 478826.63, 3850071.93	2.47E-02	7.80E-06	1.03E-06	1.73E-02	5.45E-06	7.20E-07	8.12E-03	2.56E-06	3.38E-07	8.48E-03	2.68E-06	3.53E-07	1.04E-06	7.35E-07
2976 478876.63, 3850071.93	2.35E-02	7.42E-06	9.79E-07	1.64E-02	5.17E-06	6.82E-07	7.63E-03	2.41E-06	3.18E-07	7.97E-03	2.51E-06	3.32E-07	9.93E-07	6.96E-07
2977 478976.63, 3850071.93	2.15E-02	6.77E-06	8.94E-07	1.48E-02	4.68E-06	6.18E-07	6.81E-03	2.15E-06	2.84E-07	7.11E-03	2.24E-06	2.96E-07	9.07E-07	6.31E-07
2978 478726.63, 3850121.93	3.25E-02	1.03E-05	1.36E-06	2.30E-02	7.25E-06	9.57E-07	1.10E-02	3.49E-06	4.60E-07	1.15E-02	3.63E-06	4.79E-07	1.37E-06	9.76E-07
2979 478776.63, 3850121.93	3.03E-02	9.56E-06	1.26E-06	2.13E-02	6.72E-06	8.87E-07	1.01E-02	3.20E-06	4.22E-07	1.06E-02	3.33E-06	4.40E-07	1.28E-06	9.05E-07
2980 478826.63, 3850121.93	2.84E-02	8.97E-06	1.18E-06	1.99E-02	6.27E-06	8.28E-07	9.37E-03	2.96E-06	3.90E-07	9.76E-03	3.08E-06	4.07E-07	1.20E-06	8.45E-07
2981 478876.63, 3850121.93	2.68E-02	8.46E-06	1.12E-06	1.87E-02	5.89E-06	7.78E-07	8.71E-03	2.75E-06	3.63E-07	9.08E-03	2.87E-06	3.78E-07	1.13E-06	7.93E-07
2982 478976.63, 3850121.93	2.41E-02	7.61E-06	1.01E-06	1.67E-02	5.26E-06	6.95E-07	7.65E-03	2.41E-06	3.19E-07	7.98E-03	2.52E-06	3.32E-07	1.02E-06	7.09E-07
2983 479026.63, 3850121.93	2.30E-02	7.27E-06	9.60E-07	1.59E-02	5.01E-06	6.61E-07	7.21E-03	2.28E-06	3.01E-07	7.53E-03	2.38E-06	3.14E-07	9.73E-07	6.74E-07
2984 479076.63, 3850121.93	2.21E-02	6.96E-06	9.19E-07	1.51E-02	4.78E-06	6.31E-07	6.82E-03	2.15E-06	2.84E-07	7.12E-03	2.25E-06	2.96E-07	9.31E-07	6.43E-07
2985 479126.63, 3850121.93	2.12E-02	6.68E-06	8.82E-07	1.45E-02	4.57E-06	6.03E-07	6.47E-03	2.04E-06	2.69E-07	6.75E-03	2.13E-06	2.81E-07	8.94E-07	6.15E-07
2986 478776.63, 3850171.93	3.63E-02	1.15E-05	1.51E-06	2.56E-02	8.06E-06	1.06E-06	1.22E-02	3.85E-06	5.08E-07	1.27E-02	4.00E-06	5.28E-07	1.53E-06	1.08E-06
2987 478826.63, 3850171.93	3.36E-02	1.06E-05	1.40E-06	2.35E-02	7.42E-06	9.79E-07	1.11E-02	3.50E-06	4.62E-07	1.15E-02	3.64E-06	4.80E-07	1.42E-06	9.97E-07
2988 478876.63, 3850171.93	3.13E-02	9.87E-06	1.30E-06	2.18E-02	6.88E-06	9.08E-07	1.02E-02	3.21E-06	4.24E-07	1.06E-02	3.34E-06	4.41E-07	1.32E-06	9.25E-07
2989 478976.63, 3850171.93	2.76E-02	8.71E-06	1.15E-06	1.91E-02	6.02E-06	7.95E-07	8.74E-03	2.76E-06	3.64E-07	9.10E-03	2.87E-06	3.79E-07	1.17E-06	8.10E-07
2990 479026.63, 3850171.93	2.61E-02	8.25E-06	1.09E-06	1.80E-02	5.68E-06	7.50E-07	8.17E-03	2.58E-06	3.40E-07	8.51E-03	2.69E-06	3.55E-07	1.10E-06	7.64E-07
2991 479076.63, 3850171.93	2.49E-02	7.85E-06	1.04E-06	1.71E-02	5.39E-06	7.11E-07	7.67E-03	2.42E-06	3.20E-07	8.00E-03	2.52E-06	3.33E-07	1.05E-06	7.25E-07
2992 479126.63, 3850171.93	2.37E-02	7.50E-06	9.89E-07	1.62E-02	5.12E-06	6.76E-07	7.23E-03	2.28E-06	3.01E-07	7.54E-03	2.38E-06	3.14E-07	1.00E-06	6.89E-07
2993 479176.63, 3850171.93	2.27E-02	7.16E-06	9.45E-07	1.55E-02	4.88E-06	6.44E-07	6.84E-03	2.16E-06	2.85E-07	7.13E-03	2.25E-06	2.97E-07	9.57E-07	6.56E-07
2994 479226.63, 3850171.93	2.17E-02	6.85E-06	9.04E-07	1.48E-02	4.66E-06	6.15E-07	6.51E-03	2.05E-06	2.71E-07	6.79E-03	2.14E-06	2.83E-07	9.16E-07	6.27E-07
2995 479276.63, 3850171.93	2.08E-02	6.57E-06	8.67E-07	1.41E-02	4.46E-06	5.89E-07	6.20E-03	1.96E-06	2.58E-07	6.47E-03	2.04E-06	2.70E-07	8.78E-07	6.00E-07
2996 479326.63, 3850171.93	2.01E-02	6.34E-06	8.37E-07	1.36E-02	4.29E-06	5.67E-07	5.92E-03	1.87E-06	2.47E-07	6.18E-03	1.95E-06	2.57E-07	8.48E-07	5.77E-07
2997 479376.63, 3850171.93	1.94E-02	6.13E-06	8.09E-07	1.31E-02	4.13E-06	5.46E-07	5.65E-03	1.78E-06	2.35E-07	5.89E-03	1.86E-06	2.45E-07	8.19E-07	5.56E-07
2998 478676.63, 3850221.93	5.97E-02	1.88E-05	2.49E-06	4.24E-02	1.34E-05	1.77E-06	2.06E-02	6.52E-06	8.60E-07	2.13E-02	6.72E-06	8.87E-07	2.51E-06	1.79E-06
2999 478726.63, 3850221.93	5.15E-02	1.63E-05	2.15E-06	3.64E-02	1.15E-05	1.52E-06	1.76E-02	5.55E-06	7.33E-07	1.82E-02	5.74E-06	7.58E-07	2.17E-06	1.54E-06
3000 478976.63, 3850221.93	3.23E-02	1.02E-05	1.34E-06	2.23E-02	7.03E-06	9.28E-07	1.02E-02	3.22E-06	4.25E-07	1.06E-02	3.35E-06	4.42E-07	1.36E-06	9.46E-07
3001 479026.63, 3850221.93	3.03E-02	9.55E-06	1.26E-06	2.08E-02	6.57E-06	8.67E-07	9.42E-03	2.97E-06	3.93E-07	9.81E-03	3.09E-06	4.08E-07	1.28E-06	8.83E-07
3002 479076.63, 3850221.93	2.86E-02	9.02E-06	1.19E-06	1.96E-02	6.18E-06	8.15E-07	8.76E-03	2.77E-06	3.65E-07	9.13E-03	2.88E-06	3.80E-07	1.21E-06	8.30E-07
3003 479126.63, 3850221.93	2.71E-02	8.55E-06	1.13E-06	1.85E-02	5.83E-06	7.69E-07	8.19E-03	2.59E-06	3.41E-07	8.53E-03	2.69E-06	3.55E-07	1.14E-06	7.84E-07
3004 479176.63, 3850221.93	2.57E-02	8.11E-06	1.07E-06	1.75E-02	5.51E-06	7.28E-07	7.69E-03	2.43E-06	3.21E-07	8.02E-03	2.53E-06	3.34E-07	1.08E-06	7.41E-07

3005 479226.63, 3850221.93	2.44E-02	7.71E-06	1.02E-06	1.66E-02	5.23E-06	6.91E-07	7.26E-03	2.29E-06	3.02E-07	7.56E-03	2.39E-06	3.15E-07	1.03E-06	7.03E-07
3006 479276.63, 3850221.93	2.34E-02	7.37E-06	9.73E-07	1.58E-02	4.99E-06	6.58E-07	6.87E-03	2.17E-06	2.86E-07	7.16E-03	2.26E-06	2.98E-07	9.85E-07	6.70E-07
3007 479326.63, 3850221.93	2.25E-02	7.09E-06	9.36E-07	1.51E-02	4.78E-06	6.31E-07	6.53E-03	2.06E-06	2.72E-07	6.80E-03	2.15E-06	2.83E-07	9.48E-07	6.43E-07
3008 479376.63, 3850221.93	2.17E-02	6.84E-06	9.03E-07	1.46E-02	4.59E-06	6.06E-07	6.21E-03	1.96E-06	2.59E-07	6.48E-03	2.04E-06	2.70E-07	9.14E-07	6.17E-07
3009 478676.63, 3850271.93	9.23E-02	2.91E-05	3.85E-06	6.54E-02	2.06E-05	2.72E-06	3.17E-02	9.99E-06	1.32E-06	3.23E-02	1.02E-05	1.35E-06	3.88E-06	2.75E-06
3010 478726.63, 3850271.93	7.39E-02	2.33E-05	3.08E-06	5.22E-02	1.65E-05	2.17E-06	2.51E-02	7.92E-06	1.05E-06	2.58E-02	8.13E-06	1.07E-06	3.10E-06	2.20E-06
3011 478976.63, 3850271.93	3.88E-02	1.23E-05	1.62E-06	2.68E-02	8.47E-06	1.12E-06	1.23E-02	3.88E-06	5.12E-07	1.28E-02	4.03E-06	5.31E-07	1.64E-06	1.14E-06
3012 479026.63, 3850271.93	3.60E-02	1.13E-05	1.50E-06	2.47E-02	7.80E-06	1.03E-06	1.12E-02	3.52E-06	4.65E-07	1.16E-02	3.66E-06	4.83E-07	1.52E-06	1.05E-06
3013 479076.63, 3850271.93	3.36E-02	1.06E-05	1.40E-06	2.30E-02	7.25E-06	9.57E-07	1.02E-02	3.23E-06	4.26E-07	1.06E-02	3.36E-06	4.43E-07	1.42E-06	9.74E-07
3014 479126.63, 3850271.93	3.16E-02	9.97E-06	1.32E-06	2.15E-02	6.78E-06	8.95E-07	9.46E-03	2.98E-06	3.94E-07	9.83E-03	3.10E-06	4.10E-07	1.33E-06	9.11E-07
3015 479176.63, 3850271.93	2.97E-02	9.39E-06	1.24E-06	2.01E-02	6.36E-06	8.39E-07	8.79E-03	2.77E-06	3.66E-07	9.15E-03	2.89E-06	3.81E-07	1.25E-06	8.54E-07
3016 479226.63, 3850271.93	2.81E-02	8.87E-06	1.17E-06	1.90E-02	5.99E-06	7.91E-07	8.21E-03	2.59E-06	3.42E-07	8.55E-03	2.70E-06	3.56E-07	1.19E-06	8.05E-07
3017 479276.63, 3850271.93	2.68E-02	8.45E-06	1.12E-06	1.80E-02	5.69E-06	7.51E-07	7.72E-03	2.44E-06	3.21E-07	8.03E-03	2.54E-06	3.35E-07	1.13E-06	7.64E-07
3018 479326.63, 3850271.93	2.57E-02	8.10E-06	1.07E-06	1.72E-02	5.43E-06	7.17E-07	7.28E-03	2.30E-06	3.03E-07	7.58E-03	2.39E-06	3.16E-07	1.08E-06	7.29E-07
3019 479376.63, 3850271.93	2.47E-02	7.80E-06	1.03E-06	1.65E-02	5.20E-06	6.86E-07	6.88E-03	2.17E-06	2.87E-07	7.17E-03	2.26E-06	2.99E-07	1.04E-06	6.98E-07
3020 479053.24, 3850293.52	3.76E-02	1.19E-05	1.57E-06	2.58E-02	8.13E-06	1.07E-06	1.15E-02	3.64E-06	4.80E-07	1.20E-02	3.78E-06	4.98E-07	1.59E-06	1.09E-06
3021 479103.24, 3850293.52	3.52E-02	1.11E-05	1.46E-06	2.39E-02	7.55E-06	9.96E-07	1.05E-02	3.33E-06	4.39E-07	1.09E-02	3.45E-06	4.56E-07	1.48E-06	1.01E-06
3022 479153.24, 3850293.52	3.29E-02	1.04E-05	1.37E-06	2.23E-02	7.04E-06	9.29E-07	9.72E-03	3.07E-06	4.05E-07	1.01E-02	3.19E-06	4.21E-07	1.39E-06	9.45E-07
3023 479203.24, 3850293.52	3.10E-02	9.78E-06	1.29E-06	2.09E-02	6.60E-06	8.71E-07	9.01E-03	2.84E-06	3.75E-07	9.37E-03	2.96E-06	3.90E-07	1.31E-06	8.86E-07
3024 479253.24, 3850293.52	2.94E-02	9.27E-06	1.22E-06	1.97E-02	6.22E-06	8.21E-07	8.41E-03	2.65E-06	3.50E-07	8.75E-03	2.76E-06	3.64E-07	1.24E-06	8.36E-07
3025 479303.24, 3850293.52	2.80E-02	8.85E-06	1.17E-06	1.87E-02	5.91E-06	7.80E-07	7.89E-03	2.49E-06	3.29E-07	8.21E-03	2.59E-06	3.42E-07	1.18E-06	7.94E-07
3026 479353.24, 3850293.52	2.69E-02	8.49E-06	1.12E-06	1.79E-02	5.64E-06	7.45E-07	7.43E-03	2.34E-06	3.09E-07	7.73E-03	2.44E-06	3.22E-07	1.13E-06	7.58E-07
3027 479153.24, 3850343.52	4.07E-02	1.28E-05	1.70E-06	2.73E-02	8.61E-06	1.14E-06	1.16E-02	3.66E-06	4.83E-07	1.20E-02	3.79E-06	5.00E-07	1.71E-06	1.15E-06
3028 479203.24, 3850343.52	3.80E-02	1.20E-05	1.58E-06	2.53E-02	8.00E-06	1.06E-06	1.06E-02	3.34E-06	4.41E-07	1.10E-02	3.47E-06	4.58E-07	1.60E-06	1.07E-06
3029 479253.24, 3850343.52	3.59E-02	1.13E-05	1.50E-06	2.38E-02	7.51E-06	9.91E-07	9.76E-03	3.08E-06	4.07E-07	1.01E-02	3.20E-06	4.22E-07	1.51E-06	1.01E-06
3030 479303.24, 3850343.52	3.41E-02	1.08E-05	1.42E-06	2.24E-02	7.08E-06	9.35E-07	9.06E-03	2.86E-06	3.77E-07	9.42E-03	2.97E-06	3.92E-07	1.43E-06	9.49E-07
3031 479353.24, 3850343.52	3.24E-02	1.02E-05	1.35E-06	2.12E-02	6.70E-06	8.84E-07	8.45E-03	2.67E-06	3.52E-07	8.78E-03	2.77E-06	3.66E-07	1.36E-06	8.98E-07
3032 479203.24, 3850393.52	5.37E-02	1.69E-05	2.24E-06	3.44E-02	1.09E-05	1.43E-06	1.29E-02	4.06E-06	5.36E-07	1.33E-02	4.21E-06	5.55E-07	2.25E-06	1.45E-06
3033 479253.24, 3850393.52	4.90E-02	1.55E-05	2.04E-06	3.14E-02	9.91E-06	1.31E-06	1.17E-02	3.68E-06	4.86E-07	1.21E-02	3.82E-06	5.04E-07	2.06E-06	1.33E-06
3034 479303.24, 3850393.52	4.50E-02	1.42E-05	1.87E-06	2.88E-02	9.08E-06	1.20E-06	1.07E-02	3.37E-06	4.45E-07	1.11E-02	3.49E-06	4.61E-07	1.89E-06	1.22E-06
3035 479353.24, 3850393.52	4.16E-02	1.31E-05	1.73E-06	2.66E-02	8.39E-06	1.11E-06	9.83E-03	3.10E-06	4.09E-07	1.02E-02	3.22E-06	4.25E-07	1.75E-06	1.12E-06
3036 479403.24, 3850393.52	3.87E-02	1.22E-05	1.61E-06	2.47E-02	7.79E-06	1.03E-06	9.10E-03	2.87E-06	3.79E-07	9.45E-03	2.98E-06	3.94E-07	1.62E-06	1.04E-06
3037 479453.24, 3850393.52	3.62E-02	1.14E-05	1.51E-06	2.31E-02	7.28E-06	9.61E-07	8.46E-03	2.67E-06	3.52E-07	8.79E-03	2.77E-06	3.66E-07	1.52E-06	9.75E-07
3038 479503.24, 3850393.52	3.40E-02	1.07E-05	1.42E-06	2.17E-02	6.83E-06	9.02E-07	7.88E-03	2.49E-06	3.28E-07	8.19E-03	2.58E-06	3.41E-07	1.43E-06	9.15E-07
3039 479303.24, 3850443.52	6.69E-02	2.11E-05	2.79E-06	4.10E-02	1.29E-05	1.71E-06	1.30E-02	4.11E-06	5.42E-07	1.35E-02	4.25E-06	5.61E-07	2.81E-06	1.73E-06
3040 479353.24, 3850443.52	5.79E-02	1.83E-05	2.41E-06	3.58E-02	1.13E-05	1.49E-06	1.18E-02	3.71E-06	4.90E-07	1.22E-02	3.84E-06	5.07E-07	2.43E-06	1.51E-06
3041 479403.24, 3850443.52	5.13E-02	1.62E-05	2.14E-06	3.19E-02	1.01E-05	1.33E-06	1.07E-02	3.38E-06	4.47E-07	1.11E-02	3.50E-06	4.62E-07	2.15E-06	1.34E-06
3042 479453.24, 3850443.52	4.64E-02	1.46E-05	1.93E-06	2.89E-02	9.12E-06	1.20E-06	9.82E-03	3.10E-06	4.09E-07	1.02E-02	3.21E-06	4.24E-07	1.95E-06	1.22E-06
3043 479503.24, 3850443.52	4.25E-02	1.34E-05	1.77E-06	2.65E-02	8.36E-06	1.10E-06	9.04E-03	2.85E-06	3.77E-07	9.38E-03	2.96E-06	3.91E-07	1.78E-06	1.12E-06
3044 480327.18, 3850987.04	5.00E-02	1.58E-05	2.08E-06	3.46E-02	1.09E-05	1.44E-06	1.59E-02	5.01E-06	6.61E-07	1.65E-02	5.20E-06	6.86E-07	2.11E-06	1.47E-06
3045 480377.18, 3850987.04	4.46E-02	1.41E-05	1.86E-06	3.07E-02	9.70E-06	1.28E-06	1.40E-02	4.42E-06	5.83E-07	1.46E-02	4.60E-06	6.07E-07	1.88E-06	1.30E-06
3046 480427.18, 3850987.04	4.03E-02	1.27E-05	1.68E-06	2.77E-02	8.74E-06	1.15E-06	1.25E-02	3.95E-06	5.21E-07	1.30E-02	4.11E-06	5.42E-07	1.70E-06	1.18E-06
3047 480477.18, 3850987.04	3.69E-02	1.16E-05	1.54E-06	2.52E-02	7.96E-06	1.05E-06	1.12E-02	3.55E-06	4.69E-07	1.17E-02	3.70E-06	4.89E-07	1.56E-06	1.07E-06
3048 480327.18, 3851037.04	6.75E-02	2.13E-05	2.81E-06	4.69E-02	1.48E-05	1.95E-06	2.18E-02	6.87E-06	9.07E-07	2.25E-02	7.12E-06	9.39E-07	2.84E-06	1.99E-06
3049 480377.18, 3851037.04	5.71E-02	1.80E-05	2.38E-06	3.97E-02	1.25E-05	1.65E-06	1.84E-02	5.82E-06	7.68E-07	1.91E-02	6.04E-06	7.97E-07	2.41E-06	1.68E-06
3050 480427.18, 3851037.04	4.97E-02	1.57E-05	2.07E-06	3.45E-02	1.09E-05	1.44E-06	1.59E-02	5.02E-06	6.63E-07	1.66E-02	5.23E-06	6.90E-07	2.10E-06	1.46E-06
3051 480477.18, 3851037.04	4.42E-02	1.39E-05	1.84E-06	3.05E-02	9.63E-06	1.27E-06	1.40E-02	4.41E-06	5.83E-07	1.46E-02	4.60E-06	6.07E-07	1.86E-06	1.30E-06
3052 480622.06, 3851087.39	4.01E-02	1.27E-05	1.67E-06	2.76E-02	8.72E-06	1.15E-06	1.26E-02	3.97E-06	5.24E-07	1.32E-02	4.16E-06	5.49E-07	1.69E-06	1.18E-06
3053 480672.06, 3851087.39	3.66E-02	1.16E-05	1.52E-06	2.51E-02	7.93E-06	1.05E-06	1.13E-02	3.58E-06	4.73E-07	1.19E-02	3.75E-06	4.95E-07	1.55E-06	1.07E-06
3054 480622.06, 3851137.39	5.03E-02	1.59E-05	2.09E-06	3.49E-02	1.10E-05	1.45E-06	1.62E-02	5.11E-06	6.75E-07	1.69E-02	5.35E-06	7.06E-07	2.13E-06	1.49E-06
3055 480672.06, 3851137.39	4.45E-02	1.40E-05	1.85E-06	3.08E-02	9.72E-06	1.28E-06	1.42E-02	4.48E-06	5.91E-07	1.49E-02	4.69E-06	6.19E-07	1.88E-06	1.31E-06
3056 480722.06, 3851137.39	4.01E-02	1.27E-05	1.67E-06	2.77E-02	8.73E-06	1.15E-06	1.26E-02	3.99E-06	5.26E-07	1.33E-02	4.18E-06	5.52E-07	1.70E-06	1.18E-06
3057 480622.06, 3851187.39	6.99E-02	2.21E-05	2.91E-06	4.86E-02	1.53E-05	2.03E-06	2.26E-02	7.13E-06	9.42E-07	2.36E-02	7.46E-06	9.85E-07	2.96E-06	2.07E-06
3058 480672.06, 3851187.39	5.85E-02	1.85E-05	2.44E-06	4.07E-02	1.28E-05	1.70E-06	1.89E-02	5.97E-06	7.88E-07	1.98E-02	6.26E-06	8.26E-07	2.48E-06	1.73E-06
3059 480722.06, 3851187.39	5.06E-02	1.60E-05	2.11E-06	3.51E-02	1.11E-05	1.46E-06	1.63E-02	5.14E-06	6.78E-07	1.71E-02	5.39E-06	7.11E-07	2.14E-06	1.50E-06
3060 471363.09, 3845877.25	2.05E-03	6.46E-07	8.53E-08	1.37E-03	4.33E-07	5.71E-08	5.80E-04	1.83E-07	2.41E-08	6.09E-04	1.92E-07	2.54E-08	8.65E-08	5.83E-08
3061 471863.09, 3845877.25	2.06E-03	6.50E-07	8.58E-08	1.38E-03	4.34E-07	5.73E-08	5.78E-04	1.82E-07	2.41E-08	6.06E-04	1.91E-07	2.52E-08	8.69E-08	5.84E-08
3062 472363.09, 3845877.25	2.20E-03	6.93E-07	9.15E-08	1.50E-03	4.73E-07	6.24E-08	6.66E-04	2.10E-07	2.77E-08	6.97E-04	2.20E-07	2.90E-08	9.28E-08	6.37E-08
3063 472863.09, 3845877.25	2.13E-03	6.71E-07	8.86E-08	1.45E-03	4.57E-07	6.04E-08	6.42E-04	2.03E-07	2.68E-08	6.74E-04	2.13E-07	2.81E-08	8.99E-08	6.17E-08
3064 473363.09, 3845877.25	2.13E-03	6.73E-07	8.89E-08	1.46E-03	4.62E-07	6.09E-08	6.58E-04	2.08E-07	2.74E-08	6.95E-04	2.19E-07	2.90E-08	9.04E-08	6.25E-08
3065 473863.09, 3845877.25	2.12E-03	6.69E-07	8.83E-08	1.46E-03	4.61E-07	6.09E-08	6.67E-04	2.11E-07	2.78E-08	7.07E-04	2.23E-07	2.94E-08	8.99E-08	6.26E-08
3066 474363.09, 3845877.25	2.14E-03	6.76E-07	8.93E-08	1.50E-03	4.73E-07	6.25E-08	7.08E-04	2.23E-07	2.95E-08	7.49E-04	2.36E-07	3.12E-08	9.10E-08	6.42E-08
3067 474863.09, 3845877.25	2.18E-03	6.89E-07	9.10E-08	1.53E-03	4.84E-07	6.39E-08	7.30E-04	2.30E-07	3.04E-08	7.70E-04	2.43E-07	3.21E-08	9.26E-08	6.56E-08
3068 475363.09, 3845877.25	2.25E-03	7.10E-07	9.37E-08	1.57E-03	4.96E-07	6.55E-08	7.39E-04	2.33E-07	3.08E-08	7.74E-04	2.44E-07	3.22E-08	9.51E-08	6.69E-08
3069 475863.09, 3845877.25	2.26E-03	7.15E-07	9.43E-08	1.57E-03	4.95E-07	6.53E-08	7.21E-04	2.27E-07	3.00E-08	7.54E-04	2.38E-07	3.14E-08	9.57E-08	6.67E-08
3070 476363.09, 3845877.25	2.22E-03	7.00E-07	9.24E-08	1.52E-03	4.80E-07	6.34E-08	6.85E-04	2.16E-07	2.85E-08	7.20E-04	2.27E-07	3.00E-08	9.39E-08	6.49E-08
3071 476863.09, 3845877.25	2.11E-03	6.67E-07	8.80E-08	1.44E-03	4.56E-07	6.01E-08	6.44E-04	2.03E-07	2.68E-08	6.81E-04	2.15E-07	2.84E-08	8.95E-08	6.17E-08
3072 477363.09, 3845877.25	2.02E-03	6.37E-07	8.41E-08	1.38E-03	4.34E-07	5.73E-08	6.11E-04	1.93E-07	2.55E-08	6.46E-04	2.04E-07	2.69E-08	8.55E-08	5.88E-08
3073 477863.09, 3845877.25	1.95E-03	6.14E-07	8.10E-08	1.32E-03	4.16E-07	5.49E-08	5.73E-04	1.81E-07	2.39E-08	6.06E-04	1.91E-07	2.52E-08	8.24E-08	5.62E-08
3074 478363.09, 3845877.25	1.93E-03	6.09E-07	8.04E-08	1.30E-03	4.09E-07	5.40E-08	5.51E-04	1.74E-07	2.30E-08	5.79E-04	1.83E-07	2.41E-08	8.16E-08	5.51E-08
3075 478863.09, 3845877.25	1.90E-03	6.00E-07	7.93E-08	1.27E-03	4.00E-07	5.29E-08	5.31E-04	1.68E-07	2.21E-08	5.58E-04	1.76E-07	2.33E-08	8.04E-08	5.40E-08
3076 479363.09, 3845877.25	1.93E-03	6.09E-07	8.04E-08	1.27E-03	4.02E-07	5.31E-08	5.20E-04	1.64E-07	2.17E-08	5.48E-04	1.73E-07	2.28E-08	8.15E-08	5.43E-08
3077 479863.09, 3845877.25	1.96E-03	6.18E-07	8.15E-08	1.28E-03	4.02E-07	5.31E-08	5.00E-04	1.58E-07	2.08E-08	5.27E-04	1.66E-07	2.20E-08	8.27E-08	5.43E-08
3078 480363.09, 3845877.25	1.96E-03	6.18E-07	8.15E-08	1.25E-03	3.96E-07	5.22E-08	4.67E-04	1.47E-07	1.94E-08	4.91E-04	1.55E-07	2.05E-08	8.25E-08	5.33E-08
3079 480863.09, 3845877.25	1.95E-03	6.14E-07	8.10E-08	1.24E-03	3.90E-07	5.15E-08	4.46E-04	1.41E-07	1.86E-08	4.68E-04	1.48E-07	1.95E-08	8.20E-08	5.24E-08
3080 481363.09, 3845877.25	1.89E-03	5.98E-07	7.89E-08	1.20E-03	3.78E-07	4.99E-08	4.28E-04	1.35E-07	1.78E-08	4.51E-04	1.42E-07	1.88E-08	7.99E-08	5.09E-08
3081 481863.09, 3845877.25	1.79E-03	5.64E-07	7.45E-08	1.13E-03	3.58E-07	4.72E-08	4.07E-04	1.29E-07	1.70E-08	4.29E-04	1.35E-07	1.79E-08	7.54E-08	4.81E-08
3082 482363.09, 3845877.25	1.71E-03	5.39E-07	7.11E-08	1.08E-03	3.41E-07	4.50E-08	3.87E-04	1.22E-07	1.61E-08	4.08E-04	1.29E-07	1.70E-08	7.20E-08	4.59E-08
3083 482863.09, 3845877.25	1.60E-03	5.05E-07	6.66E-08	1.00E-03	3.16E-07	4.17E-08	3.45E-04	1.09E-07	1.44E-08	3.64E-04	1.15E-07	1.52E-08	6.74E-08	4.25E-08
3084 483363.09, 3845877.25	1.56E-03	4.92E-07	6.50E-08	9.69E-04	3.06E-07	4.04E-08	3.24E-04	1.02E-07	1.35E-08	3.41E-04	1.08E-07	1.42E-08	6.57E-08	4.11E-08
3085 483863.09, 3845877.25	1.66E-03	5.24E-07	6.92E-08	1.03E-03	3.26E-07	4.31E-08	3.49E-04	1.10E-07	1.46E-08	3.69E-04	1.16E-07	1.54E-08	7.00E-08	4.39E-08
3086 484363.09, 3845877.25	1.64E-03	5.19E-07	6.85E-08	1.02E-03	3.23E-07	4.26E-08	3.46E-04	1.09E-07	1.44E-08	3.64E-04	1.15E-07	1.52E-08	6.92E-08	4.34E-08
3087 484863.09, 3845877.25	1.61E-03	5.07E-07	6.69E-08	1.00E-03	3.16E-07	4.16E-08	3.38E-04	1.07E-07	1.41E-08	3.56E-04	1.12E-07	1.48E-08	6.76E-08	4.24E-08
3088 485363.09, 3845877.25	1.56E-03	4.93E-07	6.50E-08	9.70E-04	3.06E-07	4.04E-08	3.26E-04	1.03E-07	1.36E-08	3.44E-04	1.09E-07	1.43E-08	6.58E-08	4.12E-08
3089 485863.09, 3845877.25	1.57E-03	4.97E-07	6.55E-08	9.76E-04	3.08E-07	4.07E-08	3.26E-04	1.03E-07	1.36E-08	3.43E-04	1.08E-07	1.43E-08	6.62E-08	4.14E-08
3090 486363.09, 3845877.25	1.58E-03	4.99E-07	6.59E-08	9.77E-04	3.08E-07	4.07E-08	3.21E-04	1.01E-07	1.34E-08	3.38E-04	1.07E-07	1.41E-08	6.66E-08	4.14E-08
3091 486863.09, 3845877.25	1.55E-03	4.90E-07	6.46E-08	9.54E-04	3.01E-07	3.98E-08	3.09E-04	9.74E-08	1.29E-08	3.25E-04	1.03E-07	1.35E-08	6.53E-08	4.04E-08
3092 487363.09, 3845877.25	1.56E-03	4.92E-07	6.50E-08	9.55E-04	3.01E-07	3.98E-08	3.04E-04	9.59E-08	1.27E-08	3.20E-04	1.01E-07	1.33E-08	6.56E-08	4.05E-08
3093 487863.09, 3845877.25	1.53E-03	4.84E-07	6.38E-08	9.35E-04	2.95E-07	3.90E-08	2.93E-04	9.25E-08	1.22E-08	3.09E-04	9.74E-08	1.29E-08	6.45E-08	3.96E-08
3094 488363.09, 3845877.25	1.53E-03	4.81E-07	6.35E-08	9.28E-04	2.93E-07	3.86E-08	2.87E-04	9.05E-08	1.19E-08	3.02E-04	9.53E-08	1.26E-08	6.42E-08	3.93E-08
3095 488863.09, 3845877.25	1.60E-03	5.04E-07	6.65E-08	9.72E-04	3.07E-07	4.05E-08	3.01E-04	9.49E-08	1.25E-08	3.17E-04	9.99E-08	1.32E-08	6.72E-08	4.11E-08
3096 489363.09, 3845877.25	1.61E-03	5.07E-07	6.69E-08	9.74E-04	3.07E-07	4.06E-08	2.98E-04	9.39E-08	1.24E-08	3.13E-04	9.89E-08	1.31E-08	6.76E-08	4.12E-08
3097 489863.09, 3845877.25	1.57E-03	4.94E-07	6.53E-08	9.49E-04	2.99E-07	3.95E-08	2.88E-04	9.10E-08	1.20E-08	3.02E-04	9.53E-08	1.26E-08	6.58E-08	4.01E-08
3098 490363.09, 3845877.25	1.54E-03	4.85E-07	6.40E-08	9.24E-04	2.92E-07	3.85E-08	2.74E-04	8.65E-08	1.14E-08	2.87E-04	9.07E-08	1.20E-08	6.45E-08	3.90E-08

3099 490863.09, 3845877.25	1.47E-03	4.65E-07	6.14E-08	8.77E-04	2.77E-07	3.66E-08	2.48E-04	7.81E-08	1.03E-08	2.61E-04	8.24E-08	1.09E-08	6.20E-08	3.71E-08
3100 491363.09, 3845877.25	1.53E-03	4.84E-07	6.38E-08	9.14E-04	2.88E-07	3.81E-08	2.60E-04	8.21E-08	1.08E-08	2.73E-04	8.60E-08	1.14E-08	6.44E-08	3.86E-08
3101 491863.09, 3845877.25	1.58E-03	4.99E-07	6.58E-08	9.40E-04	2.97E-07	3.91E-08	2.65E-04	8.36E-08	1.10E-08	2.77E-04	8.76E-08	1.16E-08	6.63E-08	3.97E-08
3102 492363.09, 3845877.25	1.53E-03	4.82E-07	6.37E-08	9.02E-04	2.85E-07	3.76E-08	2.46E-04	7.76E-08	1.02E-08	2.58E-04	8.14E-08	1.07E-08	6.42E-08	3.81E-08
3103 492863.09, 3845877.25	1.62E-03	5.11E-07	6.74E-08	9.57E-04	3.02E-07	3.99E-08	2.63E-04	8.31E-08	1.10E-08	2.77E-04	8.76E-08	1.16E-08	6.80E-08	4.05E-08
3104 493363.09, 3845877.25	1.66E-03	5.25E-07	6.94E-08	9.83E-04	3.10E-07	4.10E-08	2.68E-04	8.45E-08	1.12E-08	2.82E-04	8.91E-08	1.18E-08	7.00E-08	4.16E-08
3105 493863.09, 3845877.25	1.71E-03	5.40E-07	7.13E-08	1.01E-03	3.18E-07	4.20E-08	2.71E-04	8.55E-08	1.13E-08	2.86E-04	9.02E-08	1.19E-08	7.19E-08	4.26E-08
3106 494363.09, 3845877.25	1.75E-03	5.53E-07	7.31E-08	1.03E-03	3.25E-07	4.29E-08	2.73E-04	8.60E-08	1.14E-08	2.87E-04	9.07E-08	1.20E-08	7.37E-08	4.35E-08
3107 494863.09, 3845877.25	1.78E-03	5.62E-07	7.42E-08	1.04E-03	3.29E-07	4.34E-08	2.73E-04	8.60E-08	1.14E-08	2.87E-04	9.07E-08	1.20E-08	7.48E-08	4.41E-08
3108 495363.09, 3845877.25	1.81E-03	5.71E-07	7.54E-08	1.06E-03	3.34E-07	4.41E-08	2.74E-04	8.65E-08	1.14E-08	2.89E-04	9.12E-08	1.20E-08	7.60E-08	4.47E-08
3109 495863.09, 3845877.25	1.85E-03	5.85E-07	7.72E-08	1.08E-03	3.41E-07	4.50E-08	2.76E-04	8.70E-08	1.15E-08	2.91E-04	9.17E-08	1.21E-08	7.78E-08	4.56E-08
3110 496363.09, 3845877.25	1.90E-03	5.99E-07	7.91E-08	1.10E-03	3.48E-07	4.59E-08	2.77E-04	8.75E-08	1.16E-08	2.92E-04	9.22E-08	1.22E-08	7.97E-08	4.66E-08
3111 496863.09, 3845877.25	1.92E-03	6.07E-07	8.02E-08	1.11E-03	3.52E-07	4.64E-08	2.76E-04	8.70E-08	1.15E-08	2.92E-04	9.22E-08	1.22E-08	8.09E-08	4.71E-08
3112 497363.09, 3845877.25	1.95E-03	6.16E-07	8.13E-08	1.13E-03	3.56E-07	4.70E-08	2.76E-04	8.70E-08	1.15E-08	2.91E-04	9.17E-08	1.21E-08	8.20E-08	4.76E-08
3113 497863.09, 3845877.25	1.99E-03	6.29E-07	8.30E-08	1.15E-03	3.62E-07	4.78E-08	2.74E-04	8.65E-08	1.14E-08	2.89E-04	9.12E-08	1.20E-08	8.36E-08	4.84E-08
3114 498363.09, 3845877.25	2.03E-03	6.41E-07	8.47E-08	1.17E-03	3.68E-07	4.85E-08	2.73E-04	8.60E-08	1.14E-08	2.89E-04	9.12E-08	1.20E-08	8.53E-08	4.92E-08
3115 471363.09, 3846377.25	1.48E-02	4.69E-06	6.18E-07	1.41E-02	4.45E-06	5.87E-07	1.06E-02	3.36E-06	4.43E-07	1.12E-02	3.53E-06	4.66E-07	6.41E-07	6.10E-07
3116 471863.09, 3846377.25	1.27E-02	4.02E-06	5.31E-07	1.20E-02	3.79E-06	5.00E-07	8.99E-03	2.84E-06	3.74E-07	9.44E-03	2.98E-06	3.93E-07	5.50E-07	5.19E-07
3117 472363.09, 3846377.25	4.85E-03	1.53E-06	2.02E-07	4.13E-03	1.30E-06	1.72E-07	2.74E-03	8.63E-07	1.14E-07	2.87E-03	9.06E-07	1.20E-07	2.08E-07	1.78E-07
3118 472863.09, 3846377.25	3.82E-03	1.20E-06	1.59E-07	3.08E-03	9.73E-07	1.28E-07	1.90E-03	5.99E-07	7.91E-08	1.99E-03	6.29E-07	8.30E-08	1.63E-07	1.32E-07
3119 473363.09, 3846377.25	3.31E-03	1.04E-06	1.38E-07	2.58E-03	8.13E-07	1.07E-07	1.50E-03	4.72E-07	6.23E-08	1.57E-03	4.96E-07	6.54E-08	1.41E-07	1.10E-07
3120 473863.09, 3846377.25	3.10E-03	9.78E-07	1.29E-07	2.37E-03	7.49E-07	9.89E-08	1.34E-03	4.23E-07	5.58E-08	1.41E-03	4.45E-07	5.88E-08	1.32E-07	1.02E-07
3121 474363.09, 3846377.25	2.91E-03	9.19E-07	1.21E-07	2.20E-03	6.94E-07	9.16E-08	1.21E-03	3.82E-07	5.04E-08	1.28E-03	4.04E-07	5.33E-08	1.24E-07	9.45E-08
3122 474863.09, 3846377.25	2.81E-03	8.86E-07	1.17E-07	2.10E-03	6.63E-07	8.75E-08	1.14E-03	3.59E-07	4.74E-08	1.20E-03	3.79E-07	5.01E-08	1.20E-07	9.02E-08
3123 475363.09, 3846377.25	2.71E-03	8.54E-07	1.13E-07	2.00E-03	6.31E-07	8.33E-08	1.06E-03	3.34E-07	4.41E-08	1.11E-03	3.52E-07	4.64E-08	1.15E-07	8.57E-08
3124 475863.09, 3846377.25	2.67E-03	8.43E-07	1.11E-07	1.94E-03	6.13E-07	8.10E-08	9.98E-04	3.15E-07	4.16E-08	1.04E-03	3.30E-07	4.35E-08	1.13E-07	8.29E-08
3125 476363.09, 3846377.25	2.61E-03	8.23E-07	1.09E-07	1.86E-03	5.87E-07	7.75E-08	9.16E-04	2.89E-07	3.82E-08	9.60E-04	3.03E-07	4.00E-08	1.10E-07	7.93E-08
3126 476863.09, 3846377.25	2.51E-03	7.91E-07	1.04E-07	1.77E-03	5.58E-07	7.36E-08	8.47E-04	2.67E-07	3.53E-08	8.93E-04	2.82E-07	3.72E-08	1.06E-07	7.55E-08
3127 477363.09, 3846377.25	2.37E-03	7.49E-07	9.89E-08	1.66E-03	5.25E-07	6.93E-08	7.86E-04	2.48E-07	3.28E-08	8.32E-04	2.63E-07	3.47E-08	1.01E-07	7.12E-08
3128 477863.09, 3846377.25	2.26E-03	7.13E-07	9.41E-08	1.57E-03	4.95E-07	6.53E-08	7.25E-04	2.29E-07	3.02E-08	7.69E-04	2.43E-07	3.20E-08	9.59E-08	6.71E-08
3129 478363.09, 3846377.25	2.21E-03	6.96E-07	9.19E-08	1.51E-03	4.78E-07	6.30E-08	6.81E-04	2.15E-07	2.84E-08	7.18E-04	2.27E-07	2.99E-08	9.34E-08	6.46E-08
3130 478863.09, 3846377.25	2.19E-03	6.90E-07	9.11E-08	1.49E-03	4.70E-07	6.20E-08	6.56E-04	2.07E-07	2.73E-08	6.89E-04	2.17E-07	2.87E-08	9.24E-08	6.33E-08
3131 479363.09, 3846377.25	2.16E-03	6.82E-07	9.00E-08	1.46E-03	4.59E-07	6.06E-08	6.27E-04	1.98E-07	2.61E-08	6.59E-04	2.08E-07	2.75E-08	9.13E-08	6.20E-08
3132 479863.09, 3846377.25	2.16E-03	6.81E-07	8.99E-08	1.43E-03	4.53E-07	5.97E-08	5.94E-04	1.87E-07	2.47E-08	6.25E-04	1.97E-07	2.60E-08	9.12E-08	6.10E-08
3133 480363.09, 3846377.25	2.21E-03	6.99E-07	9.23E-08	1.45E-03	4.57E-07	6.03E-08	5.73E-04	1.81E-07	2.39E-08	6.02E-04	1.90E-07	2.51E-08	9.35E-08	6.15E-08
3134 480863.09, 3846377.25	2.17E-03	6.85E-07	9.05E-08	1.40E-03	4.41E-07	5.82E-08	5.28E-04	1.67E-07	2.20E-08	5.55E-04	1.75E-07	2.31E-08	9.16E-08	5.94E-08
3135 481363.09, 3846377.25	2.14E-03	6.77E-07	8.93E-08	1.37E-03	4.32E-07	5.71E-08	5.06E-04	1.60E-07	2.11E-08	5.32E-04	1.68E-07	2.22E-08	9.04E-08	5.82E-08
3136 481863.09, 3846377.25	2.05E-03	6.48E-07	8.56E-08	1.31E-03	4.13E-07	5.45E-08	4.78E-04	1.51E-07	1.99E-08	5.04E-04	1.59E-07	2.10E-08	8.67E-08	5.56E-08
3137 482363.09, 3846377.25	1.92E-03	6.06E-07	8.01E-08	1.22E-03	3.86E-07	5.10E-08	4.48E-04	1.41E-07	1.87E-08	4.73E-04	1.49E-07	1.97E-08	8.11E-08	5.21E-08
3138 482863.09, 3846377.25	1.82E-03	5.73E-07	7.57E-08	1.15E-03	3.62E-07	4.78E-08	4.09E-04	1.29E-07	1.70E-08	4.33E-04	1.37E-07	1.80E-08	7.67E-08	4.88E-08
3139 483363.09, 3846377.25	1.85E-03	5.84E-07	7.70E-08	1.17E-03	3.68E-07	4.86E-08	4.12E-04	1.30E-07	1.72E-08	4.34E-04	1.37E-07	1.81E-08	7.80E-08	4.95E-08
3140 483863.09, 3846377.25	1.85E-03	5.84E-07	7.71E-08	1.16E-03	3.66E-07	4.83E-08	4.01E-04	1.27E-07	1.67E-08	4.23E-04	1.33E-07	1.76E-08	7.80E-08	4.92E-08
3141 484363.09, 3846377.25	1.78E-03	5.62E-07	7.42E-08	1.11E-03	3.51E-07	4.63E-08	3.79E-04	1.20E-07	1.58E-08	4.00E-04	1.26E-07	1.67E-08	7.51E-08	4.72E-08
3142 484863.09, 3846377.25	1.81E-03	5.70E-07	7.53E-08	1.13E-03	3.57E-07	4.71E-08	3.88E-04	1.23E-07	1.62E-08	4.10E-04	1.29E-07	1.71E-08	7.61E-08	4.80E-08
3143 485363.09, 3846377.25	1.80E-03	5.68E-07	7.50E-08	1.12E-03	3.55E-07	4.68E-08	3.84E-04	1.21E-07	1.60E-08	4.03E-04	1.27E-07	1.68E-08	7.58E-08	4.76E-08
3144 485863.09, 3846377.25	1.75E-03	5.52E-07	7.29E-08	1.09E-03	3.44E-07	4.54E-08	3.68E-04	1.16E-07	1.53E-08	3.87E-04	1.22E-07	1.61E-08	7.37E-08	4.62E-08
3145 486363.09, 3846377.25	1.67E-03	5.28E-07	6.97E-08	1.03E-03	3.26E-07	4.31E-08	3.40E-04	1.07E-07	1.42E-08	3.57E-04	1.13E-07	1.49E-08	7.04E-08	4.38E-08
3146 486863.09, 3846377.25	1.66E-03	5.24E-07	6.91E-08	1.02E-03	3.22E-07	4.25E-08	3.29E-04	1.04E-07	1.37E-08	3.46E-04	1.09E-07	1.44E-08	6.99E-08	4.32E-08
3147 487363.09, 3846377.25	1.69E-03	5.33E-07	7.04E-08	1.04E-03	3.27E-07	4.31E-08	3.31E-04	1.04E-07	1.38E-08	3.48E-04	1.10E-07	1.45E-08	7.11E-08	4.39E-08
3148 487863.09, 3846377.25	1.75E-03	5.51E-07	7.27E-08	1.07E-03	3.38E-07	4.46E-08	3.41E-04	1.08E-07	1.42E-08	3.59E-04	1.13E-07	1.50E-08	7.34E-08	4.53E-08
3149 488363.09, 3846377.25	1.75E-03	5.52E-07	7.29E-08	1.07E-03	3.37E-07	4.45E-08	3.34E-04	1.05E-07	1.39E-08	3.53E-04	1.11E-07	1.47E-08	7.37E-08	4.52E-08
3150 488863.09, 3846377.25	1.74E-03	5.50E-07	7.26E-08	1.06E-03	3.35E-07	4.42E-08	3.29E-04	1.04E-07	1.37E-08	3.48E-04	1.10E-07	1.45E-08	7.34E-08	4.50E-08
3151 489363.09, 3846377.25	1.74E-03	5.48E-07	7.23E-08	1.05E-03	3.33E-07	4.39E-08	3.24E-04	1.02E-07	1.35E-08	3.41E-04	1.08E-07	1.42E-08	7.30E-08	4.46E-08
3152 489863.09, 3846377.25	1.72E-03	5.43E-07	7.17E-08	1.04E-03	3.28E-07	4.33E-08	3.13E-04	9.89E-08	1.31E-08	3.30E-04	1.04E-07	1.37E-08	7.24E-08	4.40E-08
3153 490363.09, 3846377.25	1.63E-03	5.16E-07	6.81E-08	9.80E-04	3.09E-07	4.08E-08	2.87E-04	9.05E-08	1.19E-08	3.02E-04	9.53E-08	1.26E-08	6.87E-08	4.15E-08
3154 490863.09, 3846377.25	1.62E-03	5.11E-07	6.74E-08	9.65E-04	3.04E-07	4.02E-08	2.74E-04	8.65E-08	1.14E-08	2.89E-04	9.12E-08	1.20E-08	6.80E-08	4.08E-08
3155 491363.09, 3846377.25	1.63E-03	5.13E-07	6.78E-08	9.66E-04	3.05E-07	4.02E-08	2.69E-04	8.50E-08	1.12E-08	2.84E-04	8.96E-08	1.18E-08	6.84E-08	4.08E-08
3156 491863.09, 3846377.25	1.72E-03	5.41E-07	7.15E-08	1.02E-03	3.22E-07	4.24E-08	2.85E-04	9.00E-08	1.19E-08	2.99E-04	9.43E-08	1.24E-08	7.20E-08	4.30E-08
3157 492363.09, 3846377.25	1.70E-03	5.38E-07	7.10E-08	1.01E-03	3.18E-07	4.20E-08	2.77E-04	8.75E-08	1.16E-08	2.92E-04	9.22E-08	1.22E-08	7.16E-08	4.26E-08
3158 492863.09, 3846377.25	1.73E-03	5.47E-07	7.22E-08	1.02E-03	3.23E-07	4.26E-08	2.77E-04	8.75E-08	1.16E-08	2.91E-04	9.17E-08	1.21E-08	7.27E-08	4.31E-08
3159 493363.09, 3846377.25	1.80E-03	5.68E-07	7.49E-08	1.06E-03	3.35E-07	4.42E-08	2.87E-04	9.05E-08	1.19E-08	3.00E-04	9.48E-08	1.25E-08	7.55E-08	4.48E-08
3160 493863.09, 3846377.25	1.86E-03	5.86E-07	7.73E-08	1.09E-03	3.44E-07	4.54E-08	2.88E-04	9.10E-08	1.20E-08	3.04E-04	9.58E-08	1.26E-08	7.80E-08	4.60E-08
3161 494363.09, 3846377.25	1.88E-03	5.94E-07	7.85E-08	1.10E-03	3.48E-07	4.59E-08	2.88E-04	9.10E-08	1.20E-08	3.04E-04	9.58E-08	1.26E-08	7.91E-08	4.66E-08
3162 494863.09, 3846377.25	1.91E-03	6.04E-07	7.97E-08	1.12E-03	3.53E-07	4.66E-08	2.90E-04	9.15E-08	1.21E-08	3.05E-04	9.63E-08	1.27E-08	8.03E-08	4.72E-08
3163 495363.09, 3846377.25	1.95E-03	6.17E-07	8.14E-08	1.14E-03	3.59E-07	4.74E-08	2.90E-04	9.15E-08	1.21E-08	3.05E-04	9.63E-08	1.27E-08	8.21E-08	4.81E-08
3164 495863.09, 3846377.25	2.00E-03	6.31E-07	8.33E-08	1.16E-03	3.66E-07	4.84E-08	2.91E-04	9.20E-08	1.21E-08	3.07E-04	9.69E-08	1.28E-08	8.39E-08	4.90E-08
3165 496363.09, 3846377.25	2.04E-03	6.45E-07	8.51E-08	1.18E-03	3.73E-07	4.93E-08	2.93E-04	9.25E-08	1.22E-08	3.09E-04	9.74E-08	1.29E-08	8.57E-08	4.99E-08
3166 496863.09, 3846377.25	2.08E-03	6.57E-07	8.67E-08	1.20E-03	3.79E-07	5.01E-08	2.91E-04	9.20E-08	1.21E-08	3.09E-04	9.74E-08	1.29E-08	8.75E-08	5.08E-08
3167 497363.09, 3846377.25	2.12E-03	6.70E-07	8.85E-08	1.22E-03	3.86E-07	5.09E-08	2.91E-04	9.20E-08	1.21E-08	3.07E-04	9.69E-08	1.28E-08	8.91E-08	5.16E-08
3168 497863.09, 3846377.25	2.16E-03	6.83E-07	9.02E-08	1.24E-03	3.92E-07	5.17E-08	2.90E-04	9.15E-08	1.21E-08	3.05E-04	9.63E-08	1.27E-08	9.08E-08	5.23E-08
3169 498363.09, 3846377.25	2.20E-03	6.95E-07	9.17E-08	1.26E-03	3.97E-07	5.24E-08	2.87E-04	9.05E-08	1.19E-08	3.02E-04	9.53E-08	1.26E-08	9.24E-08	5.30E-08
3170 471363.09, 3846877.25	3.38E-03	1.07E-06	1.41E-07	2.59E-03	8.16E-07	1.08E-07	1.46E-03	4.61E-07	6.08E-08	1.54E-03	4.85E-07	6.41E-08	1.44E-07	1.11E-07
3171 471863.09, 3846877.25	5.46E-03	1.72E-06	2.27E-07	4.66E-03	1.47E-06	1.94E-07	3.10E-03	9.79E-07	1.29E-07	3.26E-03	1.03E-06	1.36E-07	2.34E-07	2.01E-07
3172 472363.09, 3846877.25	5.11E-02	1.61E-05	2.13E-06	5.03E-02	1.59E-05	2.10E-06	3.94E-02	1.24E-05	1.64E-06	4.13E-02	1.30E-05	1.72E-06	2.21E-06	2.18E-06
3173 472863.09, 3846877.25	7.46E-03	2.35E-06	3.11E-07	6.68E-03	2.11E-06	2.78E-07	4.72E-03	1.49E-06	1.97E-07	4.95E-03	1.56E-06	2.06E-07	3.20E-07	2.88E-07
3174 473363.09, 3846877.25	5.21E-03	1.65E-06	2.17E-07	4.42E-03	1.39E-06	1.84E-07	2.91E-03	9.19E-07	1.21E-07	3.06E-03	9.64E-07	1.27E-07	2.23E-07	1.90E-07
3175 473863.09, 3846877.25	4.53E-03	1.43E-06	1.89E-07	3.72E-03	1.18E-06	1.55E-07	2.35E-03	7.43E-07	9.81E-08	2.47E-03	7.80E-07	1.03E-07	1.93E-07	1.60E-07
3176 474363.09, 3846877.25	3.93E-03	1.24E-06	1.64E-07	3.13E-03	9.88E-07	1.30E-07	1.89E-03	5.96E-07	7.86E-08	1.98E-03	6.26E-07	8.27E-08	1.68E-07	1.34E-07
3177 474863.09, 3846877.25	3.54E-03	1.12E-06	1.48E-07	2.76E-03	8.70E-07	1.15E-07	1.60E-03	5.05E-07	6.67E-08	1.69E-03	5.33E-07	7.04E-08	1.51E-07	1.19E-07
3178 475363.09, 3846877.25	3.26E-03	1.03E-06	1.36E-07	2.49E-03	7.85E-07	1.04E-07	1.40E-03	4.41E-07	5.81E-08	1.47E-03	4.65E-07	6.14E-08	1.39E-07	1.07E-07
3179 475863.09, 3846877.25	3.16E-03	9.99E-07	1.32E-07	2.39E-03	7.54E-07	9.95E-08	1.31E-03	4.14E-07	5.47E-08	1.38E-03	4.36E-07	5.76E-08	1.35E-07	1.02E-07
3180 476363.09, 3846877.25	3.05E-03	9.63E-07	1.27E-07	2.26E-03	7.13E-07	9.42E-08	1.20E-03	3.79E-07	5.01E-08	1.26E-03	3.97E-07	5.24E-08	1.29E-07	9.65E-08
3181 476863.09, 3846877.25	2.93E-03	9.25E-07	1.22E-07	2.13E-03	6.72E-07	8.87E-08	1.09E-03	3.43E-07	4.53E-08	1.14E-03	3.60E-07	4.75E-08	1.24E-07	9.09E-08
3182 477363.09, 3846877.25	2.82E-03	8.89E-07	1.17E-07	2.01E-03	6.36E-07	8.39E-08	9.96E-04	3.14E-07	4.15E-08	1.05E-03	3.32E-07	4.38E-08	1.20E-07	8.62E-08
3183 477863.09, 3846877.25	2.63E-03	8.31E-07	1.10E-07	1.87E-03	5.89E-07	7.78E-08	9.05E-04	2.86E-07	3.77E-08	9.60E-04	3.03E-07	4.00E-08	1.12E-07	8.00E-08
3184 478363.09, 3846877.25	2.54E-03	8.02E-07	1.06E-07	1.78E-03	5.62E-07	7.42E-08	8.41E-04	2.66E-07	3.50E-08	8.90E-04	2.81E-07	3.71E-08	1.08E-07	7.62E-08
3185 478863.09, 3846877.25	2.51E-03	7.91E-07	1.04E-07	1.74E-03	5.48E-07	7.23E-08	7.99E-04	2.52E-07	3.33E-08	8.41E-04	2.65E-07	3.50E-08	1.06E-07	7.40E-08
3186 479363.09, 3846877.25	2.44E-03	7.70E-07	1.02E-07	1.67E-03	5.27E-07	6.96E-08	7.49E-04	2.36E-07	3.12E-08	7.88E-04	2.49E-07	3.28E-08	1.03E-07	7.13E-08
3187 479863.09, 3846877.25	2.32E-03	7.32E-07	9.66E-08	1.56E-03	4.92E-07	6.49E-08	6.66E-04	2.10E-07	2.77E-08	7.00E-04	2.21E-07	2.92E-08	9.80E-08	6.64E-08
3188 480363.09, 3846877.25	2.29E-03	7.21E-07	9.52E-08	1.51E-03	4.75E-07	6.27E-08	6.08E-04	1.92E-07	2.53E-08	6.38E-04	2.01E-07	2.66E-08	9.65E-08	6.40E-08
3189 480863.09, 3846877.25	2.29E-03	7.24E-07	9.56E-08	1.49E-03	4.69E-07	6.19E-08	5.72E-04	1.80E-07	2.38E-08	6.01E-04	1.90E-07	2.50E-08	9.68E-08	6.31E-08
3190 481363.09, 3846877.25	2.34E-03	7.39E-07	9.75E-08	1.50E-03	4.74E-07	6.26E-08	5.64E-04	1.78E-07	2.35E-08	5.94E-04	1.88E-07	2.48E-08	9.88E-08	6.39E-08
3191 481863.09, 3846877.25	2.29E-03	7.21E-07	9.52E-08	1.46E-03	4.62E-07	6.09E-08	5.42E-04	1.71E-07	2.26E-08	5.71E-04	1.80E-07	2.38E-08	9.65E-08	6.22E-08
3192 482363.09, 3846877.25	2.12E-03	6.70E-07	8.85E-08	1.36E-03	4.28E-07	5.65E-08	5.00E-04	1.58E-07	2.08E-08	5.27E-04	1.66E-07	2.20E-08	8.96E-08	5.77E-08

3193 482863.09, 3846877.25	2.10E-03	6.63E-07	8.76E-08	1.33E-03	4.21E-07	5.56E-08	4.82E-04	1.52E-07	2.01E-08	5.09E-04	1.61E-07	2.12E-08	8.87E-08	5.67E-08
3194 483363.09, 3846877.25	2.07E-03	6.53E-07	8.63E-08	1.31E-03	4.13E-07	5.46E-08	4.68E-04	1.48E-07	1.95E-08	4.93E-04	1.56E-07	2.05E-08	8.73E-08	5.56E-08
3195 483863.09, 3846877.25	2.05E-03	6.48E-07	8.56E-08	1.29E-03	4.08E-07	5.39E-08	4.54E-04	1.43E-07	1.89E-08	4.80E-04	1.51E-07	2.00E-08	8.67E-08	5.49E-08
3196 484363.09, 3846877.25	2.05E-03	6.46E-07	8.53E-08	1.29E-03	4.06E-07	5.36E-08	4.48E-04	1.41E-07	1.87E-08	4.72E-04	1.49E-07	1.97E-08	8.63E-08	5.46E-08
3197 484863.09, 3846877.25	2.02E-03	6.36E-07	8.39E-08	1.26E-03	3.98E-07	5.25E-08	4.34E-04	1.37E-07	1.81E-08	4.57E-04	1.44E-07	1.90E-08	8.49E-08	5.35E-08
3198 485363.09, 3846877.25	2.01E-03	6.33E-07	8.36E-08	1.25E-03	3.95E-07	5.22E-08	4.28E-04	1.35E-07	1.78E-08	4.51E-04	1.42E-07	1.88E-08	8.45E-08	5.31E-08
3199 485863.09, 3846877.25	1.96E-03	6.18E-07	8.15E-08	1.22E-03	3.85E-07	5.08E-08	4.12E-04	1.30E-07	1.72E-08	4.34E-04	1.37E-07	1.81E-08	8.25E-08	5.17E-08
3200 486363.09, 3846877.25	1.99E-03	6.27E-07	8.27E-08	1.23E-03	3.89E-07	5.14E-08	4.14E-04	1.31E-07	1.72E-08	4.36E-04	1.38E-07	1.82E-08	8.36E-08	5.23E-08
3201 486863.09, 3846877.25	1.89E-03	5.97E-07	7.88E-08	1.17E-03	3.68E-07	4.86E-08	3.82E-04	1.21E-07	1.59E-08	4.03E-04	1.27E-07	1.68E-08	7.97E-08	4.95E-08
3202 487363.09, 3846877.25	1.92E-03	6.05E-07	7.99E-08	1.18E-03	3.72E-07	4.91E-08	3.81E-04	1.20E-07	1.59E-08	4.02E-04	1.27E-07	1.67E-08	8.08E-08	5.00E-08
3203 487863.09, 3846877.25	1.92E-03	6.07E-07	8.02E-08	1.18E-03	3.72E-07	4.91E-08	3.74E-04	1.18E-07	1.56E-08	3.93E-04	1.24E-07	1.64E-08	8.09E-08	4.99E-08
3204 488363.09, 3846877.25	1.91E-03	6.03E-07	7.96E-08	1.16E-03	3.68E-07	4.85E-08	3.63E-04	1.15E-07	1.51E-08	3.84E-04	1.21E-07	1.60E-08	8.05E-08	4.94E-08
3205 488863.09, 3846877.25	1.90E-03	6.01E-07	7.93E-08	1.16E-03	3.66E-07	4.83E-08	3.59E-04	1.13E-07	1.49E-08	3.77E-04	1.19E-07	1.57E-08	8.01E-08	4.90E-08
3206 489363.09, 3846877.25	1.90E-03	5.99E-07	7.90E-08	1.15E-03	3.64E-07	4.80E-08	3.54E-04	1.12E-07	1.47E-08	3.72E-04	1.17E-07	1.55E-08	7.98E-08	4.88E-08
3207 489863.09, 3846877.25	1.88E-03	5.94E-07	7.84E-08	1.14E-03	3.59E-07	4.73E-08	3.41E-04	1.08E-07	1.42E-08	3.61E-04	1.14E-07	1.50E-08	7.92E-08	4.81E-08
3208 490363.09, 3846877.25	1.81E-03	5.72E-07	7.54E-08	1.09E-03	3.43E-07	4.53E-08	3.18E-04	1.00E-07	1.32E-08	3.35E-04	1.06E-07	1.39E-08	7.61E-08	4.60E-08
3209 490863.09, 3846877.25	1.80E-03	5.67E-07	7.49E-08	1.07E-03	3.39E-07	4.47E-08	3.07E-04	9.69E-08	1.28E-08	3.23E-04	1.02E-07	1.35E-08	7.56E-08	4.54E-08
3210 491363.09, 3846877.25	1.82E-03	5.75E-07	7.59E-08	1.08E-03	3.42E-07	4.51E-08	3.04E-04	9.59E-08	1.27E-08	3.20E-04	1.01E-07	1.33E-08	7.66E-08	4.58E-08
3211 491863.09, 3846877.25	1.81E-03	5.70E-07	7.53E-08	1.07E-03	3.37E-07	4.45E-08	2.93E-04	9.25E-08	1.22E-08	3.09E-04	9.74E-08	1.29E-08	7.59E-08	4.52E-08
3212 492363.09, 3846877.25	1.91E-03	6.02E-07	7.95E-08	1.13E-03	3.56E-07	4.69E-08	3.07E-04	9.69E-08	1.28E-08	3.23E-04	1.02E-07	1.35E-08	8.01E-08	4.76E-08
3213 492863.09, 3846877.25	1.93E-03	6.10E-07	8.05E-08	1.14E-03	3.59E-07	4.74E-08	3.05E-04	9.64E-08	1.27E-08	3.22E-04	1.01E-07	1.34E-08	8.12E-08	4.81E-08
3214 493363.09, 3846877.25	1.97E-03	6.23E-07	8.22E-08	1.16E-03	3.65E-07	4.82E-08	3.05E-04	9.64E-08	1.27E-08	3.23E-04	1.02E-07	1.35E-08	8.30E-08	4.90E-08
3215 493863.09, 3846877.25	2.00E-03	6.32E-07	8.34E-08	1.17E-03	3.70E-07	4.88E-08	3.05E-04	9.64E-08	1.27E-08	3.22E-04	1.01E-07	1.34E-08	8.41E-08	4.95E-08
3216 494363.09, 3846877.25	2.03E-03	6.40E-07	8.44E-08	1.18E-03	3.73E-07	4.93E-08	3.04E-04	9.59E-08	1.27E-08	3.20E-04	1.01E-07	1.33E-08	8.51E-08	4.99E-08
3217 494863.09, 3846877.25	2.07E-03	6.52E-07	8.61E-08	1.20E-03	3.79E-07	5.00E-08	3.02E-04	9.54E-08	1.26E-08	3.18E-04	1.00E-07	1.33E-08	8.67E-08	5.07E-08
3218 495363.09, 3846877.25	2.09E-03	6.60E-07	8.72E-08	1.21E-03	3.83E-07	5.05E-08	3.01E-04	9.49E-08	1.25E-08	3.17E-04	9.99E-08	1.32E-08	8.78E-08	5.12E-08
3219 495863.09, 3846877.25	2.13E-03	6.73E-07	8.88E-08	1.23E-03	3.89E-07	5.13E-08	2.99E-04	9.44E-08	1.25E-08	3.17E-04	9.99E-08	1.32E-08	8.96E-08	5.20E-08
3220 496363.09, 3846877.25	2.17E-03	6.86E-07	9.06E-08	1.25E-03	3.95E-07	5.22E-08	2.99E-04	9.44E-08	1.25E-08	3.15E-04	9.94E-08	1.31E-08	9.13E-08	5.28E-08
3221 496863.09, 3846877.25	2.23E-03	7.05E-07	9.30E-08	1.28E-03	4.04E-07	5.34E-08	3.01E-04	9.49E-08	1.25E-08	3.17E-04	9.99E-08	1.32E-08	9.37E-08	5.40E-08
3222 497363.09, 3846877.25	2.30E-03	7.27E-07	9.60E-08	1.32E-03	4.16E-07	5.49E-08	3.02E-04	9.54E-08	1.26E-08	3.20E-04	1.01E-07	1.33E-08	9.67E-08	5.56E-08
3223 497863.09, 3846877.25	2.38E-03	7.50E-07	9.90E-08	1.35E-03	4.27E-07	5.63E-08	3.04E-04	9.59E-08	1.27E-08	3.20E-04	1.01E-07	1.33E-08	9.96E-08	5.70E-08
3224 498363.09, 3846877.25	2.41E-03	7.61E-07	1.00E-07	1.37E-03	4.31E-07	5.69E-08	2.99E-04	9.44E-08	1.25E-08	3.17E-04	9.99E-08	1.32E-08	1.01E-07	5.77E-08
3225 471363.09, 3847377.25	2.87E-03	9.05E-07	1.19E-07	2.01E-03	6.33E-07	8.35E-08	9.45E-04	2.98E-07	3.94E-08	9.92E-04	3.13E-07	4.13E-08	1.21E-07	8.55E-08
3226 471863.09, 3847377.25	3.31E-03	1.05E-06	1.38E-07	2.45E-03	7.72E-07	1.02E-07	1.29E-03	4.07E-07	5.37E-08	1.36E-03	4.28E-07	5.65E-08	1.41E-07	1.05E-07
3227 472363.09, 3847377.25	4.50E-03	1.42E-06	1.87E-07	3.62E-03	1.14E-06	1.51E-07	2.22E-03	7.01E-07	9.25E-08	2.34E-03	7.38E-07	9.74E-08	1.92E-07	1.56E-07
3228 472863.09, 3847377.25	1.43E-02	4.50E-06	5.94E-07	1.34E-02	4.22E-06	5.57E-07	9.96E-03	3.14E-06	4.15E-07	1.04E-02	3.30E-06	4.35E-07	6.14E-07	5.77E-07
3229 473363.09, 3847377.25	1.32E-02	4.18E-06	5.52E-07	1.24E-02	3.90E-06	5.15E-07	9.16E-03	2.89E-06	3.82E-07	9.63E-03	3.04E-06	4.01E-07	5.71E-07	5.34E-07
3230 473863.09, 3847377.25	7.16E-03	2.26E-06	2.98E-07	6.27E-03	1.98E-06	2.61E-07	4.31E-03	1.36E-06	1.79E-07	4.53E-03	1.43E-06	1.89E-07	3.08E-07	2.70E-07
3231 474363.09, 3847377.25	5.76E-03	1.82E-06	2.40E-07	4.84E-03	1.53E-06	2.02E-07	3.16E-03	9.97E-07	1.32E-07	3.32E-03	1.05E-06	1.38E-07	2.47E-07	2.08E-07
3232 474863.09, 3847377.25	4.68E-03	1.48E-06	1.95E-07	3.79E-03	1.20E-06	1.58E-07	2.34E-03	7.37E-07	9.73E-08	2.46E-03	7.76E-07	1.02E-07	2.00E-07	1.63E-07
3233 475363.09, 3847377.25	4.03E-03	1.27E-06	1.68E-07	3.16E-03	9.97E-07	1.32E-07	1.86E-03	5.86E-07	7.74E-08	1.96E-03	6.19E-07	8.17E-08	1.72E-07	1.36E-07
3234 475863.09, 3847377.25	3.82E-03	1.21E-06	1.59E-07	2.96E-03	9.35E-07	1.23E-07	1.71E-03	5.38E-07	7.11E-08	1.80E-03	5.69E-07	7.51E-08	1.63E-07	1.27E-07
3235 476363.09, 3847377.25	3.64E-03	1.15E-06	1.52E-07	2.78E-03	8.77E-07	1.16E-07	1.56E-03	4.92E-07	6.50E-08	1.64E-03	5.19E-07	6.85E-08	1.55E-07	1.19E-07
3236 476863.09, 3847377.25	3.42E-03	1.08E-06	1.43E-07	2.55E-03	8.04E-07	1.06E-07	1.37E-03	4.31E-07	5.69E-08	1.43E-03	4.52E-07	5.96E-08	1.45E-07	1.09E-07
3237 477363.09, 3847377.25	3.28E-03	1.04E-06	1.37E-07	2.40E-03	7.56E-07	9.98E-08	1.24E-03	3.90E-07	5.15E-08	1.30E-03	4.10E-07	5.41E-08	1.39E-07	1.02E-07
3238 477863.09, 3847377.25	3.12E-03	9.84E-07	1.30E-07	2.24E-03	7.06E-07	9.32E-08	1.12E-03	3.52E-07	4.65E-08	1.18E-03	3.71E-07	4.90E-08	1.32E-07	9.58E-08
3239 478363.09, 3847377.25	2.96E-03	9.34E-07	1.23E-07	2.10E-03	6.63E-07	8.75E-08	1.02E-03	3.22E-07	4.26E-08	1.08E-03	3.42E-07	4.51E-08	1.26E-07	9.00E-08
3240 478863.09, 3847377.25	2.90E-03	9.15E-07	1.21E-07	2.03E-03	6.41E-07	8.46E-08	9.60E-04	3.03E-07	4.00E-08	1.01E-03	3.20E-07	4.22E-08	1.23E-07	8.68E-08
3241 479363.09, 3847377.25	2.71E-03	8.55E-07	1.13E-07	1.87E-03	5.90E-07	7.79E-08	8.52E-04	2.69E-07	3.55E-08	8.96E-04	2.83E-07	3.73E-08	1.15E-07	7.97E-08
3242 479863.09, 3847377.25	2.48E-03	7.84E-07	1.03E-07	1.68E-03	5.30E-07	7.00E-08	7.30E-04	2.30E-07	3.04E-08	7.69E-04	2.43E-07	3.20E-08	1.05E-07	7.16E-08
3243 480363.09, 3847377.25	2.30E-03	7.26E-07	9.58E-08	1.52E-03	4.79E-07	6.32E-08	6.17E-04	1.95E-07	2.57E-08	6.46E-04	2.04E-07	2.69E-08	9.70E-08	6.44E-08
3244 480863.09, 3847377.25	2.24E-03	7.07E-07	9.34E-08	1.46E-03	4.61E-07	6.08E-08	5.72E-04	1.80E-07	2.38E-08	5.99E-04	1.89E-07	2.50E-08	9.45E-08	6.20E-08
3245 481363.09, 3847377.25	2.36E-03	7.45E-07	9.83E-08	1.52E-03	4.81E-07	6.34E-08	5.80E-04	1.83E-07	2.41E-08	6.09E-04	1.92E-07	2.54E-08	9.95E-08	6.47E-08
3246 481863.09, 3847377.25	2.55E-03	8.06E-07	1.06E-07	1.64E-03	5.17E-07	6.82E-08	6.13E-04	1.93E-07	2.55E-08	6.46E-04	2.04E-07	2.69E-08	1.08E-07	6.96E-08
3247 482363.09, 3847377.25	2.50E-03	7.88E-07	1.04E-07	1.60E-03	5.04E-07	6.65E-08	5.89E-04	1.86E-07	2.45E-08	6.22E-04	1.96E-07	2.59E-08	1.05E-07	6.78E-08
3248 482863.09, 3847377.25	2.44E-03	7.71E-07	1.02E-07	1.55E-03	4.89E-07	6.45E-08	5.58E-04	1.76E-07	2.32E-08	5.89E-04	1.86E-07	2.45E-08	1.03E-07	6.59E-08
3249 483363.09, 3847377.25	2.34E-03	7.38E-07	9.74E-08	1.48E-03	4.67E-07	6.17E-08	5.29E-04	1.67E-07	2.21E-08	5.60E-04	1.77E-07	2.33E-08	9.87E-08	6.29E-08
3250 483863.09, 3847377.25	2.34E-03	7.37E-07	9.73E-08	1.47E-03	4.64E-07	6.12E-08	5.15E-04	1.63E-07	2.15E-08	5.44E-04	1.72E-07	2.26E-08	9.85E-08	6.24E-08
3251 484363.09, 3847377.25	2.36E-03	7.46E-07	9.85E-08	1.48E-03	4.68E-07	6.17E-08	5.14E-04	1.62E-07	2.14E-08	5.42E-04	1.71E-07	2.26E-08	9.96E-08	6.29E-08
3252 484863.09, 3847377.25	2.31E-03	7.30E-07	9.64E-08	1.45E-03	4.56E-07	6.02E-08	4.95E-04	1.56E-07	2.06E-08	5.22E-04	1.65E-07	2.18E-08	9.75E-08	6.13E-08
3253 485363.09, 3847377.25	2.28E-03	7.20E-07	9.51E-08	1.42E-03	4.49E-07	5.93E-08	4.82E-04	1.52E-07	2.01E-08	5.08E-04	1.60E-07	2.11E-08	9.61E-08	6.03E-08
3254 485863.09, 3847377.25	2.26E-03	7.12E-07	9.40E-08	1.40E-03	4.43E-07	5.85E-08	4.75E-04	1.50E-07	1.98E-08	5.01E-04	1.58E-07	2.09E-08	9.51E-08	5.96E-08
3255 486363.09, 3847377.25	2.25E-03	7.09E-07	9.36E-08	1.40E-03	4.41E-07	5.82E-08	4.68E-04	1.48E-07	1.95E-08	4.93E-04	1.56E-07	2.05E-08	9.46E-08	5.92E-08
3256 486863.09, 3847377.25	2.17E-03	6.84E-07	9.02E-08	1.34E-03	4.22E-07	5.57E-08	4.37E-04	1.38E-07	1.82E-08	4.60E-04	1.45E-07	1.92E-08	9.12E-08	5.67E-08
3257 487363.09, 3847377.25	2.19E-03	6.91E-07	9.12E-08	1.34E-03	4.24E-07	5.60E-08	4.32E-04	1.36E-07	1.80E-08	4.55E-04	1.44E-07	1.90E-08	9.21E-08	5.70E-08
3258 487863.09, 3847377.25	2.12E-03	6.70E-07	8.84E-08	1.30E-03	4.10E-07	5.41E-08	4.12E-04	1.30E-07	1.72E-08	4.34E-04	1.37E-07	1.81E-08	8.94E-08	5.50E-08
3259 488363.09, 3847377.25	2.12E-03	6.70E-07	8.85E-08	1.29E-03	4.08E-07	5.38E-08	4.01E-04	1.27E-07	1.67E-08	4.21E-04	1.33E-07	1.75E-08	8.93E-08	5.47E-08
3260 488863.09, 3847377.25	2.11E-03	6.67E-07	8.80E-08	1.28E-03	4.05E-07	5.34E-08	3.93E-04	1.24E-07	1.64E-08	4.13E-04	1.30E-07	1.72E-08	8.88E-08	5.42E-08
3261 489363.09, 3847377.25	2.12E-03	6.68E-07	8.81E-08	1.28E-03	4.03E-07	5.33E-08	3.85E-04	1.22E-07	1.61E-08	4.06E-04	1.28E-07	1.69E-08	8.90E-08	5.41E-08
3262 489863.09, 3847377.25	2.05E-03	6.48E-07	8.55E-08	1.24E-03	3.90E-07	5.15E-08	3.68E-04	1.16E-07	1.53E-08	3.87E-04	1.22E-07	1.61E-08	8.63E-08	5.23E-08
3263 490363.09, 3847377.25	2.02E-03	6.37E-07	8.41E-08	1.21E-03	3.81E-07	5.04E-08	3.51E-04	1.11E-07	1.46E-08	3.69E-04	1.16E-07	1.54E-08	8.48E-08	5.11E-08
3264 490863.09, 3847377.25	2.02E-03	6.38E-07	8.43E-08	1.21E-03	3.81E-07	5.02E-08	3.43E-04	1.08E-07	1.43E-08	3.62E-04	1.14E-07	1.51E-08	8.51E-08	5.10E-08
3265 491363.09, 3847377.25	2.03E-03	6.40E-07	8.44E-08	1.20E-03	3.80E-07	5.01E-08	3.35E-04	1.06E-07	1.40E-08	3.53E-04	1.11E-07	1.47E-08	8.52E-08	5.08E-08
3266 491863.09, 3847377.25	2.08E-03	6.58E-07	8.68E-08	1.23E-03	3.89E-07	5.14E-08	3.38E-04	1.07E-07	1.41E-08	3.56E-04	1.12E-07	1.48E-08	8.76E-08	5.21E-08
3267 492363.09, 3847377.25	2.09E-03	6.58E-07	8.69E-08	1.23E-03	3.88E-07	5.12E-08	3.29E-04	1.04E-07	1.37E-08	3.48E-04	1.10E-07	1.45E-08	8.77E-08	5.19E-08
3268 492863.09, 3847377.25	2.13E-03	6.71E-07	8.86E-08	1.25E-03	3.94E-07	5.20E-08	3.29E-04	1.04E-07	1.37E-08	3.46E-04	1.09E-07	1.44E-08	8.93E-08	5.27E-08
3269 493363.09, 3847377.25	2.15E-03	6.79E-07	8.96E-08	1.26E-03	3.97E-07	5.24E-08	3.26E-04	1.03E-07	1.36E-08	3.43E-04	1.08E-07	1.43E-08	9.03E-08	5.31E-08
3270 493863.09, 3847377.25	2.15E-03	6.80E-07	8.98E-08	1.25E-03	3.96E-07	5.22E-08	3.18E-04	1.00E-07	1.32E-08	3.35E-04	1.06E-07	1.39E-08	9.05E-08	5.29E-08
3271 494363.09, 3847377.25	2.16E-03	6.82E-07	9.00E-08	1.25E-03	3.95E-07	5.22E-08	3.12E-04	9.84E-08	1.30E-08	3.28E-04	1.04E-07	1.37E-08	9.07E-08	5.29E-08
3272 494863.09, 3847377.25	2.18E-03	6.89E-07	9.09E-08	1.26E-03	3.98E-07	5.25E-08	3.07E-04	9.69E-08	1.28E-08	3.25E-04	1.03E-07	1.35E-08	9.17E-08	5.33E-08
3273 495363.09, 3847377.25	2.22E-03	7.01E-07	9.25E-08	1.28E-03	4.03E-07	5.32E-08	3.04E-04	9.59E-08	1.27E-08	3.22E-04	1.01E-07	1.34E-08	9.33E-08	5.39E-08
3274 495863.09, 3847377.25	2.26E-03	7.14E-07	9.42E-08	1.30E-03	4.09E-07	5.40E-08	3.02E-04	9.54E-08	1.26E-08	3.20E-04	1.01E-07	1.33E-08	9.49E-08	5.47E-08
3275 496363.09, 3847377.25	2.30E-03	7.26E-07	9.59E-08	1.31E-03	4.15E-07	5.48E-08	3.01E-04	9.49E-08	1.25E-08	3.18E-04	1.00E-07	1.33E-08	9.66E-08	5.55E-08
3276 496863.09, 3847377.25	2.38E-03	7.50E-07	9.89E-08	1.35E-03	4.27E-07	5.63E-08	3.04E-04	9.59E-08	1.27E-08	3.20E-04	1.01E-07	1.33E-08	9.96E-08	5.70E-08
3277 497363.09, 3847377.25	2.46E-03	7.77E-07	1.03E-07	1.40E-03	4.41E-07	5.82E-08	3.07E-04	9.69E-08	1.28E-08	3.25E-04	1.03E-07	1.35E-08	1.03E-07	5.89E-08
3278 497863.09, 3847377.25	2.58E-03	8.14E-07	1.07E-07	1.46E-03	4.60E-07	6.07E-08	3.13E-04	9.89E-08	1.31E-08	3.31E-04	1.05E-07	1.38E-08	1.08E-07	6.15E-08
3279 498363.09, 3847377.25	2.63E-03	8.31E-07	1.10E-07	1.48E-03	4.68E-07	6.18E-08	3.12E-04	9.84E-08	1.30E-08	3.30E-04	1.04E-07	1.37E-08	1.10E-07	6.25E-08
3280 471363.09, 3847877.25	2.74E-03	8.65E-07	1.14E-07	1.82E-03	5.73E-07	7.56E-08	7.46E-04	2.35E-07	3.11E-08	7.82E-04	2.47E-07	3.26E-08	1.16E-07	7.71E-08
3281 471863.09, 3847877.25	2.97E-03	9.36E-07	1.24E-07	2.03E-03	6.39E-07	8.44E-08	9.02E-04	2.85E-07	3.76E-08	9.48E-04	2.99E-07	3.95E-08	1.25E-07	8.63E-08
3282 472363.09, 3847877.25	3.36E-03	1.06E-06	1.40E-07	2.40E-03	7.57E-07	9.99E-08	1.18E-03	3.73E-07	4.93E-08	1.25E-03	3.93E-07	5.19E-08	1.43E-07	1.03E-07
3283 472863.09, 3847877.25	4.13E-03	1.30E-06	1.72E-07	3.14E-03	9.92E-07	1.31E-07	1.75E-03	5.54E-07	7.31E-08	1.85E-03	5.83E-07	7.69E-08	1.76E-07	1.35E-07
3284 473363.09, 3847877.25	6.36E-03	2.01E-06	2.65E-07	5.34E-03	1.69E-06	2.22E-07	3.47E-03	1.10E-06	1.45E-07	3.64E-03	1.15E-06	1.52E-07	2.72E-07	2.30E-07
3285 473863.09, 3847877.25	7.94E-02	2.51E-05	3.31E-06	7.83E-02	2.47E-05	3.26E-06	6.14E-02	1.94E-05	2.56E-06	6.35E-02	2.00E-05	2.65E-06	3.39E-06	3.35E-06
3286 474363.09, 3847877.25	1.04E-02	3.29E-06	4.35E-07	9.34E-03	2.95E-06	3.89E-07	6.61E-03	2.08E-06	2.75E-07	6.96E-03	2.20E-06	2.90E-07	4.50E-07	4.04E-07

3287	474863.09, 3847877.25	7.17E-03	2.26E-06	2.99E-07	6.08E-03	1.92E-06	2.53E-07	4.01E-03	1.27E-06	1.67E-07	4.21E-03	1.33E-06	1.75E-07	3.07E-07	2.62E-07
3288	475363.09, 3847877.25	5.39E-03	1.70E-06	2.24E-07	4.36E-03	1.38E-06	1.82E-07	2.69E-03	8.49E-07	1.12E-07	2.83E-03	8.92E-07	1.18E-07	2.30E-07	1.87E-07
3289	475863.09, 3847877.25	4.50E-03	1.42E-06	1.87E-07	3.52E-03	1.11E-06	1.47E-07	2.07E-03	6.52E-07	8.61E-08	2.18E-03	6.87E-07	9.07E-08	1.92E-07	1.51E-07
3290	476363.09, 3847877.25	4.39E-03	1.38E-06	1.83E-07	3.41E-03	1.07E-06	1.42E-07	1.97E-03	6.21E-07	8.20E-08	2.08E-03	6.55E-07	8.65E-08	1.87E-07	1.46E-07
3291	476863.09, 3847877.25	4.08E-03	1.29E-06	1.70E-07	3.10E-03	9.77E-07	1.29E-07	1.72E-03	5.43E-07	7.17E-08	1.81E-03	5.72E-07	7.55E-08	1.74E-07	1.33E-07
3292	477363.09, 3847877.25	3.86E-03	1.22E-06	1.61E-07	2.86E-03	9.03E-07	1.19E-07	1.53E-03	4.82E-07	6.36E-08	1.60E-03	5.04E-07	6.66E-08	1.64E-07	1.22E-07
3293	477863.09, 3847877.25	3.71E-03	1.17E-06	1.55E-07	2.70E-03	8.51E-07	1.12E-07	1.38E-03	4.36E-07	5.75E-08	1.45E-03	4.57E-07	6.04E-08	1.58E-07	1.15E-07
3294	478363.09, 3847877.25	3.52E-03	1.11E-06	1.47E-07	2.52E-03	7.95E-07	1.05E-07	1.25E-03	3.94E-07	5.20E-08	1.32E-03	4.16E-07	5.49E-08	1.49E-07	1.08E-07
3295	478863.09, 3847877.25	3.39E-03	1.07E-06	1.41E-07	2.39E-03	7.56E-07	9.98E-08	1.15E-03	3.63E-07	4.79E-08	1.22E-03	3.84E-07	5.07E-08	1.44E-07	1.03E-07
3296	479363.09, 3847877.25	3.04E-03	9.59E-07	1.27E-07	2.10E-03	6.63E-07	8.75E-08	9.63E-04	3.04E-07	4.01E-08	1.02E-03	3.20E-07	4.23E-08	1.29E-07	8.97E-08
3297	479863.09, 3847877.25	2.60E-03	8.22E-07	1.08E-07	1.75E-03	5.53E-07	7.29E-08	7.49E-04	2.36E-07	3.12E-08	7.87E-04	2.48E-07	3.28E-08	1.10E-07	7.45E-08
3298	480363.09, 3847877.25	2.67E-03	8.42E-07	1.11E-07	1.77E-03	5.60E-07	7.39E-08	7.36E-04	2.32E-07	3.07E-08	7.74E-04	2.44E-07	3.22E-08	1.13E-07	7.55E-08
3299	480863.09, 3847877.25	2.61E-03	8.23E-07	1.09E-07	1.71E-03	5.39E-07	7.11E-08	6.78E-04	2.14E-07	2.83E-08	7.12E-04	2.25E-07	2.96E-08	1.10E-07	7.25E-08
3300	481363.09, 3847877.25	2.67E-03	8.42E-07	1.11E-07	1.72E-03	5.44E-07	7.18E-08	6.60E-04	2.08E-07	2.75E-08	6.92E-04	2.18E-07	2.88E-08	1.12E-07	7.32E-08
3301	481863.09, 3847877.25	2.99E-03	9.42E-07	1.24E-07	1.92E-03	6.05E-07	7.98E-08	7.17E-04	2.26E-07	2.99E-08	7.57E-04	2.39E-07	3.16E-08	1.26E-07	8.15E-08
3302	482363.09, 3847877.25	2.88E-03	9.10E-07	1.20E-07	1.84E-03	5.81E-07	7.67E-08	6.78E-04	2.14E-07	2.83E-08	7.17E-04	2.26E-07	2.99E-08	1.22E-07	7.83E-08
3303	482863.09, 3847877.25	2.76E-03	8.71E-07	1.15E-07	1.75E-03	5.53E-07	7.30E-08	6.34E-04	2.00E-07	2.64E-08	6.69E-04	2.11E-07	2.79E-08	1.16E-07	7.45E-08
3304	483363.09, 3847877.25	2.72E-03	8.58E-07	1.13E-07	1.71E-03	5.41E-07	7.14E-08	6.03E-04	1.90E-07	2.51E-08	6.37E-04	2.01E-07	2.65E-08	1.15E-07	7.28E-08
3305	483863.09, 3847877.25	2.73E-03	8.60E-07	1.14E-07	1.70E-03	5.38E-07	7.10E-08	5.86E-04	1.85E-07	2.44E-08	6.19E-04	1.95E-07	2.58E-08	1.15E-07	7.24E-08
3306	484363.09, 3847877.25	2.73E-03	8.63E-07	1.14E-07	1.70E-03	5.38E-07	7.10E-08	5.80E-04	1.83E-07	2.41E-08	6.12E-04	1.93E-07	2.55E-08	1.15E-07	7.24E-08
3307	484863.09, 3847877.25	2.68E-03	8.47E-07	1.12E-07	1.67E-03	5.27E-07	6.95E-08	5.61E-04	1.77E-07	2.34E-08	5.93E-04	1.87E-07	2.47E-08	1.13E-07	7.08E-08
3308	485363.09, 3847877.25	2.66E-03	8.39E-07	1.11E-07	1.65E-03	5.21E-07	6.87E-08	5.51E-04	1.74E-07	2.30E-08	5.81E-04	1.83E-07	2.42E-08	1.12E-07	7.00E-08
3309	485863.09, 3847877.25	2.63E-03	8.30E-07	1.10E-07	1.63E-03	5.14E-07	6.78E-08	5.40E-04	1.71E-07	2.25E-08	5.70E-04	1.80E-07	2.37E-08	1.11E-07	6.91E-08
3310	486363.09, 3847877.25	2.52E-03	7.97E-07	1.05E-07	1.56E-03	4.92E-07	6.50E-08	5.14E-04	1.62E-07	2.14E-08	5.42E-04	1.71E-07	2.26E-08	1.06E-07	6.62E-08
3311	486863.09, 3847877.25	2.45E-03	7.75E-07	1.02E-07	1.51E-03	4.77E-07	6.30E-08	4.92E-04	1.55E-07	2.05E-08	5.19E-04	1.64E-07	2.16E-08	1.03E-07	6.41E-08
3312	487363.09, 3847877.25	2.43E-03	7.68E-07	1.01E-07	1.49E-03	4.71E-07	6.21E-08	4.75E-04	1.50E-07	1.98E-08	5.01E-04	1.58E-07	2.09E-08	1.02E-07	6.32E-08
3313	487863.09, 3847877.25	2.38E-03	7.51E-07	9.91E-08	1.45E-03	4.58E-07	6.04E-08	4.53E-04	1.43E-07	1.89E-08	4.77E-04	1.50E-07	1.99E-08	1.00E-07	6.14E-08
3314	488363.09, 3847877.25	2.36E-03	7.46E-07	9.84E-08	1.43E-03	4.52E-07	5.97E-08	4.39E-04	1.38E-07	1.83E-08	4.62E-04	1.46E-07	1.92E-08	9.94E-08	6.07E-08
3315	488863.09, 3847877.25	2.36E-03	7.46E-07	9.85E-08	1.43E-03	4.51E-07	5.95E-08	4.29E-04	1.35E-07	1.79E-08	4.52E-04	1.43E-07	1.88E-08	9.94E-08	6.04E-08
3316	489363.09, 3847877.25	2.35E-03	7.42E-07	9.79E-08	1.42E-03	4.47E-07	5.90E-08	4.20E-04	1.33E-07	1.75E-08	4.42E-04	1.40E-07	1.84E-08	9.89E-08	5.99E-08
3317	489863.09, 3847877.25	2.40E-03	7.58E-07	1.00E-07	1.44E-03	4.54E-07	5.99E-08	4.17E-04	1.32E-07	1.74E-08	4.39E-04	1.39E-07	1.83E-08	1.01E-07	6.09E-08
3318	490363.09, 3847877.25	2.37E-03	7.49E-07	9.89E-08	1.42E-03	4.47E-07	5.90E-08	4.04E-04	1.28E-07	1.68E-08	4.28E-04	1.35E-07	1.78E-08	9.99E-08	6.00E-08
3319	490863.09, 3847877.25	2.36E-03	7.44E-07	9.82E-08	1.40E-03	4.42E-07	5.83E-08	3.90E-04	1.23E-07	1.63E-08	4.11E-04	1.30E-07	1.71E-08	9.91E-08	5.92E-08
3320	491363.09, 3847877.25	2.29E-03	7.23E-07	9.54E-08	1.35E-03	4.27E-07	5.64E-08	3.70E-04	1.17E-07	1.54E-08	3.90E-04	1.23E-07	1.63E-08	9.62E-08	5.72E-08
3321	491863.09, 3847877.25	2.29E-03	7.24E-07	9.55E-08	1.35E-03	4.26E-07	5.62E-08	3.62E-04	1.14E-07	1.51E-08	3.82E-04	1.21E-07	1.59E-08	9.64E-08	5.71E-08
3322	492363.09, 3847877.25	2.31E-03	7.30E-07	9.63E-08	1.36E-03	4.28E-07	5.65E-08	3.56E-04	1.12E-07	1.48E-08	3.75E-04	1.18E-07	1.56E-08	9.72E-08	5.73E-08
3323	492863.09, 3847877.25	2.32E-03	7.32E-07	9.66E-08	1.35E-03	4.27E-07	5.64E-08	3.49E-04	1.10E-07	1.46E-08	3.67E-04	1.16E-07	1.53E-08	9.73E-08	5.72E-08
3324	493363.09, 3847877.25	2.29E-03	7.21E-07	9.52E-08	1.33E-03	4.19E-07	5.53E-08	3.34E-04	1.05E-07	1.39E-08	3.51E-04	1.11E-07	1.46E-08	9.59E-08	5.60E-08
3325	493863.09, 3847877.25	2.27E-03	7.17E-07	9.46E-08	1.31E-03	4.15E-07	5.47E-08	3.23E-04	1.02E-07	1.34E-08	3.40E-04	1.07E-07	1.41E-08	9.53E-08	5.54E-08
3326	494363.09, 3847877.25	2.29E-03	7.23E-07	9.54E-08	1.32E-03	4.16E-07	5.49E-08	3.15E-04	9.94E-08	1.31E-08	3.33E-04	1.05E-07	1.39E-08	9.61E-08	5.56E-08
3327	494863.09, 3847877.25	2.33E-03	7.35E-07	9.70E-08	1.33E-03	4.21E-07	5.56E-08	3.12E-04	9.84E-08	1.30E-08	3.30E-04	1.04E-07	1.37E-08	9.77E-08	5.63E-08
3328	495363.09, 3847877.25	2.35E-03	7.40E-07	9.77E-08	1.34E-03	4.22E-07	5.57E-08	3.04E-04	9.59E-08	1.27E-08	3.22E-04	1.01E-07	1.34E-08	9.85E-08	5.65E-08
3329	495863.09, 3847877.25	2.30E-03	7.24E-07	9.56E-08	1.30E-03	4.11E-07	5.42E-08	2.85E-04	9.00E-08	1.19E-08	3.00E-04	9.48E-08	1.25E-08	9.63E-08	5.48E-08
3330	496363.09, 3847877.25	2.45E-03	7.74E-07	1.02E-07	1.39E-03	4.38E-07	5.78E-08	3.01E-04	9.49E-08	1.25E-08	3.18E-04	1.00E-07	1.33E-08	1.03E-07	5.86E-08
3331	496863.09, 3847877.25	2.53E-03	7.98E-07	1.05E-07	1.43E-03	4.50E-07	5.94E-08	3.04E-04	9.59E-08	1.27E-08	3.22E-04	1.01E-07	1.34E-08	1.06E-07	6.02E-08
3332	497363.09, 3847877.25	2.62E-03	8.26E-07	1.09E-07	1.47E-03	4.65E-07	6.13E-08	3.09E-04	9.74E-08	1.29E-08	3.26E-04	1.03E-07	1.36E-08	1.10E-07	6.21E-08
3333	497863.09, 3847877.25	2.80E-03	8.83E-07	1.17E-07	1.57E-03	4.96E-07	6.54E-08	3.23E-04	1.02E-07	1.34E-08	3.43E-04	1.08E-07	1.43E-08	1.17E-07	6.63E-08
3334	498363.09, 3847877.25	2.88E-03	9.10E-07	1.20E-07	1.61E-03	5.09E-07	6.72E-08	3.24E-04	1.02E-07	1.35E-08	3.44E-04	1.09E-07	1.43E-08	1.21E-07	6.80E-08
3335	471363.09, 3848377.25	2.71E-03	8.55E-07	1.13E-07	1.73E-03	5.46E-07	7.20E-08	6.34E-04	2.00E-07	2.64E-08	6.66E-04	2.10E-07	2.77E-08	1.14E-07	7.33E-08
3336	471863.09, 3848377.25	2.89E-03	9.13E-07	1.20E-07	1.88E-03	5.94E-07	7.84E-08	7.35E-04	2.32E-07	3.06E-08	7.70E-04	2.43E-07	3.21E-08	1.22E-07	7.99E-08
3337	472363.09, 3848377.25	3.14E-03	9.90E-07	1.31E-07	2.09E-03	6.60E-07	8.72E-08	8.76E-04	2.76E-07	3.65E-08	9.19E-04	2.90E-07	3.83E-08	1.33E-07	8.90E-08
3338	472863.09, 3848377.25	3.49E-03	1.10E-06	1.45E-07	2.40E-03	7.59E-07	1.00E-07	1.09E-03	3.45E-07	4.55E-08	1.15E-03	3.62E-07	4.78E-08	1.48E-07	1.02E-07
3339	473363.09, 3848377.25	4.11E-03	1.30E-06	1.71E-07	2.95E-03	9.31E-07	1.23E-07	1.47E-03	4.65E-07	6.13E-08	1.55E-03	4.89E-07	6.45E-08	1.74E-07	1.26E-07
3340	473863.09, 3848377.25	5.62E-03	1.77E-06	2.34E-07	4.28E-03	1.35E-06	1.78E-07	2.39E-03	7.55E-07	9.97E-08	2.52E-03	7.94E-07	1.05E-07	2.39E-07	1.83E-07
3341	474363.09, 3848377.25	1.92E-02	6.06E-06	8.00E-07	1.62E-02	5.11E-06	6.75E-07	1.06E-02	3.35E-06	4.42E-07	1.11E-02	3.52E-06	4.64E-07	8.22E-07	6.97E-07
3342	474863.09, 3848377.25	1.39E-02	4.40E-06	5.80E-07	1.23E-02	3.88E-06	5.12E-07	8.55E-03	2.70E-06	3.56E-07	8.98E-03	2.83E-06	3.74E-07	5.98E-07	5.30E-07
3343	475363.09, 3848377.25	8.72E-03	2.75E-06	3.63E-07	7.34E-03	2.32E-06	3.06E-07	4.79E-03	1.51E-06	2.00E-07	5.03E-03	1.59E-06	2.10E-07	3.73E-07	3.15E-07
3344	475863.09, 3848377.25	6.32E-03	1.99E-06	2.63E-07	5.07E-03	1.60E-06	2.11E-07	3.09E-03	9.75E-07	1.29E-07	3.24E-03	1.02E-06	1.35E-07	2.69E-07	2.18E-07
3345	476363.09, 3848377.25	5.20E-03	1.64E-06	2.16E-07	4.03E-03	1.27E-06	1.68E-07	2.32E-03	7.32E-07	9.66E-08	2.44E-03	7.71E-07	1.02E-07	2.22E-07	1.73E-07
3346	476863.09, 3848377.25	5.19E-03	1.64E-06	2.16E-07	3.98E-03	1.26E-06	1.66E-07	2.25E-03	7.11E-07	9.39E-08	2.38E-03	7.51E-07	9.91E-08	2.21E-07	1.71E-07
3347	477363.09, 3848377.25	4.82E-03	1.52E-06	2.01E-07	3.62E-03	1.14E-06	1.51E-07	1.98E-03	6.25E-07	8.26E-08	2.09E-03	6.58E-07	8.69E-08	2.05E-07	1.55E-07
3348	477863.09, 3848377.25	4.56E-03	1.44E-06	1.90E-07	3.37E-03	1.06E-06	1.40E-07	1.79E-03	5.64E-07	7.45E-08	1.87E-03	5.91E-07	7.80E-08	1.93E-07	1.44E-07
3349	478363.09, 3848377.25	4.35E-03	1.37E-06	1.81E-07	3.16E-03	9.96E-07	1.32E-07	1.61E-03	5.07E-07	6.70E-08	1.69E-03	5.33E-07	7.04E-08	1.85E-07	1.35E-07
3350	478863.09, 3848377.25	4.09E-03	1.29E-06	1.70E-07	2.91E-03	9.18E-07	1.21E-07	1.42E-03	4.48E-07	5.92E-08	1.50E-03	4.73E-07	6.25E-08	1.74E-07	1.24E-07
3351	479363.09, 3848377.25	3.67E-03	1.16E-06	1.53E-07	2.55E-03	8.04E-07	1.06E-07	1.18E-03	3.73E-07	4.92E-08	1.25E-03	3.94E-07	5.20E-08	1.55E-07	1.09E-07
3352	479863.09, 3848377.25	2.73E-03	8.61E-07	1.14E-07	1.80E-03	5.70E-07	7.52E-08	7.39E-04	2.33E-07	3.08E-08	7.77E-04	2.45E-07	3.24E-08	1.15E-07	7.68E-08
3353	480363.09, 3848377.25	2.99E-03	9.44E-07	1.25E-07	1.99E-03	6.28E-07	8.29E-08	8.29E-04	2.62E-07	3.45E-08	8.72E-04	2.75E-07	3.63E-08	1.26E-07	8.47E-08
3354	480863.09, 3848377.25	3.33E-03	1.05E-06	1.39E-07	2.21E-03	6.96E-07	9.19E-08	9.05E-04	2.86E-07	3.77E-08	9.52E-04	3.00E-07	3.96E-08	1.41E-07	9.39E-08
3355	481363.09, 3848377.25	3.44E-03	1.09E-06	1.43E-07	2.23E-03	7.05E-07	9.31E-08	8.65E-04	2.73E-07	3.60E-08	9.09E-04	2.87E-07	3.79E-08	1.45E-07	9.49E-08
3356	481863.09, 3848377.25	3.52E-03	1.11E-06	1.46E-07	2.25E-03	7.10E-07	9.37E-08	8.35E-04	2.64E-07	3.48E-08	8.81E-04	2.78E-07	3.67E-08	1.48E-07	9.57E-08
3357	482363.09, 3848377.25	3.44E-03	1.09E-06	1.44E-07	2.19E-03	6.92E-07	9.13E-08	7.99E-04	2.52E-07	3.33E-08	8.46E-04	2.67E-07	3.52E-08	1.45E-07	9.33E-08
3358	482863.09, 3848377.25	3.24E-03	1.02E-06	1.35E-07	2.05E-03	6.48E-07	8.55E-08	7.35E-04	2.32E-07	3.06E-08	7.77E-04	2.45E-07	3.24E-08	1.37E-07	8.73E-08
3359	483363.09, 3848377.25	3.18E-03	1.00E-06	1.33E-07	2.00E-03	6.31E-07	8.33E-08	6.99E-04	2.21E-07	2.91E-08	7.39E-04	2.33E-07	3.08E-08	1.34E-07	8.50E-08
3360	483863.09, 3848377.25	3.09E-03	9.74E-07	1.29E-07	1.92E-03	6.07E-07	8.02E-08	6.55E-04	2.07E-07	2.73E-08	6.92E-04	2.18E-07	2.88E-08	1.30E-07	8.17E-08
3361	484363.09, 3848377.25	3.08E-03	9.72E-07	1.28E-07	1.91E-03	6.03E-07	7.96E-08	6.38E-04	2.01E-07	2.66E-08	6.74E-04	2.13E-07	2.81E-08	1.30E-07	8.11E-08
3362	484863.09, 3848377.25	3.12E-03	9.86E-07	1.30E-07	1.93E-03	6.10E-07	8.05E-08	6.38E-04	2.01E-07	2.66E-08	6.73E-04	2.12E-07	2.80E-08	1.32E-07	8.19E-08
3363	485363.09, 3848377.25	3.05E-03	9.64E-07	1.27E-07	1.88E-03	5.95E-07	7.85E-08	6.16E-04	1.94E-07	2.56E-08	6.50E-04	2.05E-07	2.71E-08	1.29E-07	7.99E-08
3364	485863.09, 3848377.25	2.98E-03	9.40E-07	1.24E-07	1.84E-03	5.79E-07	7.65E-08	5.98E-04	1.89E-07	2.49E-08	6.30E-04	1.99E-07	2.62E-08	1.25E-07	7.78E-08
3365	486363.09, 3848377.25	2.87E-03	9.06E-07	1.20E-07	1.77E-03	5.58E-07	7.36E-08	5.72E-04	1.80E-07	2.38E-08	6.02E-04	1.90E-07	2.51E-08	1.21E-07	7.49E-08
3366	486863.09, 3848377.25	2.78E-03	8.77E-07	1.16E-07	1.70E-03	5.38E-07	7.10E-08	5.44E-04	1.72E-07	2.26E-08	5.73E-04	1.81E-07	2.39E-08	1.17E-07	7.22E-08
3367	487363.09, 3848377.25	2.66E-03	8.39E-07	1.11E-07	1.62E-03	5.12E-07	6.76E-08	5.11E-04	1.61E-07	2.13E-08	5.39E-04	1.70E-07	2.24E-08	1.12E-07	6.88E-08
3368	487863.09, 3848377.25	2.64E-03	8.33E-07	1.10E-07	1.60E-03	5.06E-07	6.68E-08	4.95E-04	1.56E-07	2.06E-08	5.22E-04	1.65E-07	2.18E-08	1.11E-07	6.80E-08
3369	488363.09, 3848377.25	2.63E-03	8.31E-07	1.10E-07	1.59E-03	5.02E-07	6.63E-08	4.79E-04	1.51E-07	2.00E-08	5.06E-04	1.60E-07	2.11E-08	1.11E-07	6.74E-08
3370	488863.09, 3848377.25	2.63E-03	8.30E-07	1.10E-07	1.58E-03	4.99E-07	6.58E-08	4.65E-04	1.47E-07	1.94E-08	4.91E-04	1.55E-07	2.05E-08	1.11E-07	6.69E-08
3371	489363.09, 3848377.25	2.64E-03	8.34E-07	1.10E-07	1.58E-03	4.99E-07	6.59E-08	4.56E-04	1.44E-07	1.90E-08	4.82E-04	1.52E-07	2.01E-08	1.11E-07	6.69E-08
3372	489863.09, 3848377.25	2.68E-03	8.46E-07	1.12E-07	1.60E-03	5.04E-07	6.66E-08	4.53E-04	1.43E-07	1.89E-08	4.78E-04	1.51E-07	1.99E-08	1.13E-07	6.76E-08
3373	490363.09, 3848377.25	2.68E-03	8.45E-07	1.12E-07	1.59E-03	5.01E-07	6.61E-08	4.39E-04	1.38E-07	1.83E-08	4.64E-04	1.46E-07	1.93E-08	1.13E-07	6.72E-08
3374	490863.09, 3848377.25	2.61E-03	8.25E-07	1.09E-07	1.54E-03	4.87E-07	6.42E-08	4.18E-04	1.32E-07	1.74E-08	4.42E-04	1.40E-07	1.84E-08	1.10E-07	6.52E-08
3375	491363.09, 3848377.25	2.58E-03	8.13E-07	1.07E-07	1.51E-03	4.78E-07	6.30E-08	4.01E-04	1.27E-07	1.67E-08	4.23E-04	1.33E-07	1.76E-08	1.08E-07	6.39E-08
3376	491863.09, 3848377.25	2.56E-03	8.08E-07	1.07E-07	1.50E-03	4.72E-07	6.24E-08	3.88E-04	1.23E-07	1.62E-08	4.10E-04	1.29E-07	1.71E-08	1.08E-07	6.33E-08
3377	492363.09, 3848377.25	2.49E-03	7.87E-07	1.04E-07	1.45E-03	4.58E-07	6.05E-08	3.68E-04	1.16E-07	1.53E-08	3.88E-04	1.23E-07	1.62E-08	1.05E-07	6.13E-08
3378	492863.09, 3848377.25	2.43E-03	7.66E-07	1.01E-07	1.41E-03	4.44E-07	5.86E-08	3.48E-04	1.10E-07	1.45E-08	3.67E-04	1.16E-07	1.53E-08	1.02E-07	5.94E-08
3379	493363.09, 3848377.25	2.43E-03	7.66E-07	1.01E-07	1.40E-03	4.41E-07	5.83E-08	3.37E-04	1.06E-07	1.40E-08	3.56E-04	1.12E-07	1.48E-08	1.02E-07	5.91E-08
3380	493863.09, 3848377.25	2.43E-03	7.65E-07	1.01E-07	1.39E-03	4.39E-07	5.79E-08	3.24E-04	1.02E-07	1.35E-08	3.43E-04	1.08E-07	1.43E-08	1.02E-07	5.87E-08

3381 494363.09, 3848377.25	2.43E-03	7.66E-07	1.01E-07	1.39E-03	4.37E-07	5.77E-08	3.15E-04	9.94E-08	1.31E-08	3.33E-04	1.05E-07	1.39E-08	1.02E-07	5.85E-08
3382 494863.09, 3848377.25	2.48E-03	7.83E-07	1.03E-07	1.41E-03	4.45E-07	5.87E-08	3.12E-04	9.84E-08	1.30E-08	3.31E-04	1.05E-07	1.38E-08	1.04E-07	5.95E-08
3383 495363.09, 3848377.25	2.46E-03	7.77E-07	1.03E-07	1.39E-03	4.39E-07	5.79E-08	2.98E-04	9.39E-08	1.24E-08	3.15E-04	9.94E-08	1.31E-08	1.03E-07	5.87E-08
3384 495863.09, 3848377.25	2.48E-03	7.84E-07	1.03E-07	1.40E-03	4.41E-07	5.82E-08	2.91E-04	9.20E-08	1.21E-08	3.10E-04	9.79E-08	1.29E-08	1.04E-07	5.90E-08
3385 496363.09, 3848377.25	2.57E-03	8.12E-07	1.07E-07	1.45E-03	4.56E-07	6.02E-08	2.98E-04	9.39E-08	1.24E-08	3.15E-04	9.94E-08	1.31E-08	1.08E-07	6.09E-08
3386 496863.09, 3848377.25	2.61E-03	8.22E-07	1.09E-07	1.46E-03	4.59E-07	6.06E-08	2.90E-04	9.15E-08	1.21E-08	3.09E-04	9.74E-08	1.29E-08	1.09E-07	6.14E-08
3387 497363.09, 3848377.25	2.74E-03	8.66E-07	1.14E-07	1.53E-03	4.83E-07	6.37E-08	3.01E-04	9.49E-08	1.25E-08	3.20E-04	1.01E-07	1.33E-08	1.15E-07	6.45E-08
3388 497863.09, 3848377.25	3.08E-03	9.71E-07	1.28E-07	1.71E-03	5.41E-07	7.14E-08	3.35E-04	1.06E-07	1.40E-08	3.56E-04	1.12E-07	1.48E-08	1.29E-07	7.22E-08
3389 498363.09, 3848377.25	3.13E-03	9.88E-07	1.30E-07	1.74E-03	5.49E-07	7.24E-08	3.34E-04	1.05E-07	1.39E-08	3.54E-04	1.12E-07	1.48E-08	1.31E-07	7.33E-08
3390 471363.09, 3848877.25	2.67E-03	8.41E-07	1.11E-07	1.66E-03	5.23E-07	6.90E-08	5.56E-04	1.76E-07	2.32E-08	5.84E-04	1.84E-07	2.43E-08	1.12E-07	7.02E-08
3391 471863.09, 3848877.25	2.81E-03	8.88E-07	1.17E-07	1.77E-03	5.58E-07	7.37E-08	6.19E-04	1.95E-07	2.58E-08	6.50E-04	2.05E-07	2.71E-08	1.19E-07	7.50E-08
3392 472363.09, 3848877.25	3.00E-03	9.47E-07	1.25E-07	1.91E-03	6.04E-07	7.97E-08	7.02E-04	2.21E-07	2.92E-08	7.36E-04	2.32E-07	3.07E-08	1.26E-07	8.12E-08
3393 472863.09, 3848877.25	3.25E-03	1.03E-06	1.36E-07	2.12E-03	6.68E-07	8.82E-08	8.26E-04	2.61E-07	3.44E-08	8.65E-04	2.73E-07	3.60E-08	1.37E-07	8.98E-08
3394 473363.09, 3848877.25	3.61E-03	1.14E-06	1.50E-07	2.41E-03	7.60E-07	1.00E-07	1.01E-03	3.18E-07	4.20E-08	1.06E-03	3.34E-07	4.41E-08	1.52E-07	1.02E-07
3395 473863.09, 3848877.25	4.26E-03	1.35E-06	1.78E-07	2.94E-03	9.27E-07	1.22E-07	1.34E-03	4.22E-07	5.57E-08	1.41E-03	4.44E-07	5.86E-08	1.81E-07	1.25E-07
3396 474363.09, 3848877.25	5.78E-03	1.82E-06	2.41E-07	4.15E-03	1.31E-06	1.73E-07	2.07E-03	6.55E-07	8.64E-08	2.18E-03	6.89E-07	9.10E-08	2.45E-07	1.78E-07
3397 474863.09, 3848877.25	1.55E-02	4.90E-06	6.47E-07	1.19E-02	3.75E-06	4.95E-07	6.69E-03	2.11E-06	2.79E-07	7.04E-03	2.22E-06	2.93E-07	6.62E-07	5.09E-07
3398 475363.09, 3848877.25	2.55E-02	8.06E-06	1.06E-06	2.17E-02	6.86E-06	9.06E-07	1.44E-02	4.55E-06	6.01E-07	1.51E-02	4.78E-06	6.31E-07	1.09E-06	9.36E-07
3399 475863.09, 3848877.25	1.36E-02	4.29E-06	5.66E-07	1.12E-02	3.52E-06	4.65E-07	7.04E-03	2.22E-06	2.93E-07	7.40E-03	2.33E-06	3.08E-07	5.81E-07	4.80E-07
3400 476363.09, 3848877.25	1.01E-02	3.19E-06	4.20E-07	8.10E-03	2.56E-06	3.37E-07	4.93E-03	1.56E-06	2.06E-07	5.18E-03	1.64E-06	2.16E-07	4.31E-07	3.48E-07
3401 476863.09, 3848877.25	8.18E-03	2.58E-06	3.41E-07	6.40E-03	2.02E-06	2.67E-07	3.75E-03	1.18E-06	1.56E-07	3.94E-03	1.24E-06	1.64E-07	3.49E-07	2.75E-07
3402 477363.09, 3848877.25	7.54E-03	2.38E-06	3.14E-07	5.86E-03	1.85E-06	2.44E-07	3.39E-03	1.07E-06	1.41E-07	3.57E-03	1.13E-06	1.49E-07	3.22E-07	2.52E-07
3403 477863.09, 3848877.25	6.57E-03	2.07E-06	2.74E-07	4.98E-03	1.57E-06	2.08E-07	2.76E-03	8.73E-07	1.15E-07	2.91E-03	9.18E-07	1.21E-07	2.80E-07	2.13E-07
3404 478363.09, 3848877.25	5.96E-03	1.88E-06	2.48E-07	4.41E-03	1.39E-06	1.84E-07	2.34E-03	7.38E-07	9.74E-08	2.45E-03	7.73E-07	1.02E-07	2.53E-07	1.88E-07
3405 478863.09, 3848877.25	5.46E-03	1.72E-06	2.28E-07	3.92E-03	1.24E-06	1.63E-07	1.96E-03	6.18E-07	8.16E-08	2.06E-03	6.50E-07	8.58E-08	2.32E-07	1.68E-07
3406 479363.09, 3848877.25	4.91E-03	1.55E-06	2.05E-07	3.43E-03	1.08E-06	1.43E-07	1.61E-03	5.08E-07	6.70E-08	1.70E-03	5.36E-07	7.07E-08	2.08E-07	1.47E-07
3407 479863.09, 3848877.25	4.42E-03	1.40E-06	1.84E-07	3.01E-03	9.52E-07	1.26E-07	1.34E-03	4.22E-07	5.57E-08	1.41E-03	4.45E-07	5.88E-08	1.87E-07	1.29E-07
3408 480363.09, 3848877.25	4.36E-03	1.37E-06	1.81E-07	2.93E-03	9.24E-07	1.22E-07	1.25E-03	3.94E-07	5.20E-08	1.32E-03	4.15E-07	5.48E-08	1.84E-07	1.25E-07
3409 480863.09, 3848877.25	4.39E-03	1.39E-06	1.83E-07	2.90E-03	9.14E-07	1.21E-07	1.18E-03	3.71E-07	4.90E-08	1.24E-03	3.90E-07	5.15E-08	1.85E-07	1.23E-07
3410 481363.09, 3848877.25	4.38E-03	1.38E-06	1.83E-07	2.83E-03	8.93E-07	1.18E-07	1.08E-03	3.40E-07	4.49E-08	1.13E-03	3.58E-07	4.72E-08	1.85E-07	1.20E-07
3411 481863.09, 3848877.25	4.22E-03	1.33E-06	1.76E-07	2.68E-03	8.45E-07	1.12E-07	9.63E-04	3.04E-07	4.01E-08	1.02E-03	3.20E-07	4.23E-08	1.78E-07	1.14E-07
3412 482363.09, 3848877.25	3.83E-03	1.21E-06	1.59E-07	2.41E-03	7.62E-07	1.01E-07	8.54E-04	2.69E-07	3.56E-08	9.01E-04	2.84E-07	3.75E-08	1.61E-07	1.03E-07
3413 482863.09, 3848877.25	3.53E-03	1.11E-06	1.47E-07	2.21E-03	6.99E-07	9.23E-08	7.69E-04	2.43E-07	3.20E-08	8.11E-04	2.56E-07	3.38E-08	1.49E-07	9.40E-08
3414 483363.09, 3848877.25	3.35E-03	1.06E-06	1.40E-07	2.09E-03	6.59E-07	8.70E-08	7.05E-04	2.22E-07	2.94E-08	7.44E-04	2.35E-07	3.10E-08	1.41E-07	8.86E-08
3415 483863.09, 3848877.25	3.25E-03	1.03E-06	1.35E-07	2.02E-03	6.37E-07	8.40E-08	6.75E-04	2.13E-07	2.81E-08	7.12E-04	2.25E-07	2.96E-08	1.37E-07	8.56E-08
3416 484363.09, 3848877.25	3.46E-03	1.09E-06	1.44E-07	2.13E-03	6.73E-07	8.89E-08	6.99E-04	2.21E-07	2.91E-08	7.38E-04	2.33E-07	3.07E-08	1.46E-07	9.05E-08
3417 484863.09, 3848877.25	3.60E-03	1.14E-06	1.50E-07	2.21E-03	6.99E-07	9.22E-08	7.13E-04	2.25E-07	2.97E-08	7.54E-04	2.38E-07	3.14E-08	1.52E-07	9.39E-08
3418 485363.09, 3848877.25	3.50E-03	1.10E-06	1.46E-07	2.15E-03	6.77E-07	8.94E-08	6.85E-04	2.16E-07	2.85E-08	7.23E-04	2.28E-07	3.01E-08	1.47E-07	9.10E-08
3419 485863.09, 3848877.25	3.40E-03	1.07E-06	1.41E-07	2.08E-03	6.56E-07	8.66E-08	6.58E-04	2.08E-07	2.74E-08	6.95E-04	2.19E-07	2.90E-08	1.43E-07	8.81E-08
3420 486363.09, 3848877.25	3.22E-03	1.02E-06	1.34E-07	1.97E-03	6.21E-07	8.20E-08	6.20E-04	1.96E-07	2.58E-08	6.55E-04	2.07E-07	2.73E-08	1.36E-07	8.34E-08
3421 486863.09, 3848877.25	3.05E-03	9.62E-07	1.27E-07	1.86E-03	5.87E-07	7.74E-08	5.81E-04	1.83E-07	2.42E-08	6.14E-04	1.94E-07	2.56E-08	1.28E-07	7.88E-08
3422 487363.09, 3848877.25	3.03E-03	9.56E-07	1.26E-07	1.84E-03	5.80E-07	7.66E-08	5.66E-04	1.78E-07	2.36E-08	5.97E-04	1.89E-07	2.49E-08	1.27E-07	7.79E-08
3423 487863.09, 3848877.25	2.96E-03	9.34E-07	1.23E-07	1.79E-03	5.65E-07	7.46E-08	5.42E-04	1.71E-07	2.26E-08	5.71E-04	1.80E-07	2.38E-08	1.24E-07	7.58E-08
3424 488363.09, 3848877.25	2.95E-03	9.31E-07	1.23E-07	1.77E-03	5.60E-07	7.39E-08	5.23E-04	1.65E-07	2.18E-08	5.53E-04	1.75E-07	2.31E-08	1.24E-07	7.51E-08
3425 488863.09, 3848877.25	2.93E-03	9.23E-07	1.22E-07	1.75E-03	5.52E-07	7.29E-08	5.04E-04	1.59E-07	2.10E-08	5.34E-04	1.68E-07	2.22E-08	1.23E-07	7.41E-08
3426 489363.09, 3848877.25	2.93E-03	9.23E-07	1.22E-07	1.74E-03	5.50E-07	7.26E-08	4.93E-04	1.56E-07	2.06E-08	5.22E-04	1.65E-07	2.18E-08	1.23E-07	7.38E-08
3427 489863.09, 3848877.25	2.96E-03	9.33E-07	1.23E-07	1.75E-03	5.53E-07	7.29E-08	4.84E-04	1.53E-07	2.02E-08	5.13E-04	1.62E-07	2.14E-08	1.24E-07	7.41E-08
3428 490363.09, 3848877.25	2.91E-03	9.19E-07	1.21E-07	1.72E-03	5.41E-07	7.15E-08	4.61E-04	1.45E-07	1.92E-08	4.88E-04	1.54E-07	2.03E-08	1.23E-07	7.26E-08
3429 490863.09, 3848877.25	2.86E-03	9.02E-07	1.19E-07	1.67E-03	5.29E-07	6.98E-08	4.39E-04	1.38E-07	1.83E-08	4.64E-04	1.46E-07	1.93E-08	1.20E-07	7.08E-08
3430 491363.09, 3848877.25	2.82E-03	8.91E-07	1.18E-07	1.65E-03	5.19E-07	6.86E-08	4.21E-04	1.33E-07	1.76E-08	4.46E-04	1.41E-07	1.86E-08	1.19E-07	6.96E-08
3431 491863.09, 3848877.25	2.74E-03	8.63E-07	1.14E-07	1.59E-03	5.01E-07	6.61E-08	3.96E-04	1.25E-07	1.65E-08	4.19E-04	1.32E-07	1.75E-08	1.15E-07	6.71E-08
3432 492363.09, 3848877.25	2.65E-03	8.37E-07	1.10E-07	1.53E-03	4.83E-07	6.38E-08	3.73E-04	1.18E-07	1.55E-08	3.95E-04	1.25E-07	1.65E-08	1.11E-07	6.47E-08
3433 492863.09, 3848877.25	2.58E-03	8.14E-07	1.07E-07	1.48E-03	4.67E-07	6.16E-08	3.48E-04	1.10E-07	1.45E-08	3.67E-04	1.16E-07	1.53E-08	1.08E-07	6.25E-08
3434 493363.09, 3848877.25	2.51E-03	7.92E-07	1.04E-07	1.43E-03	4.51E-07	5.96E-08	3.24E-04	1.02E-07	1.35E-08	3.43E-04	1.08E-07	1.43E-08	1.05E-07	6.04E-08
3435 493863.09, 3848877.25	2.56E-03	8.08E-07	1.07E-07	1.45E-03	4.59E-07	6.05E-08	3.21E-04	1.01E-07	1.34E-08	3.40E-04	1.07E-07	1.41E-08	1.07E-07	6.13E-08
3436 494363.09, 3848877.25	2.59E-03	8.18E-07	1.08E-07	1.46E-03	4.62E-07	6.10E-08	3.13E-04	9.89E-08	1.31E-08	3.31E-04	1.05E-07	1.38E-08	1.09E-07	6.17E-08
3437 494863.09, 3848877.25	2.65E-03	8.36E-07	1.10E-07	1.49E-03	4.71E-07	6.21E-08	3.13E-04	9.89E-08	1.31E-08	3.33E-04	1.05E-07	1.39E-08	1.11E-07	6.30E-08
3438 495363.09, 3848877.25	2.71E-03	8.57E-07	1.13E-07	1.52E-03	4.80E-07	6.34E-08	3.10E-04	9.79E-08	1.29E-08	3.30E-04	1.04E-07	1.37E-08	1.14E-07	6.42E-08
3439 495863.09, 3848877.25	2.68E-03	8.46E-07	1.12E-07	1.49E-03	4.72E-07	6.23E-08	2.95E-04	9.30E-08	1.23E-08	3.12E-04	9.84E-08	1.30E-08	1.12E-07	6.30E-08
3440 496363.09, 3848877.25	2.73E-03	8.62E-07	1.14E-07	1.52E-03	4.79E-07	6.32E-08	2.91E-04	9.20E-08	1.21E-08	3.10E-04	9.79E-08	1.29E-08	1.15E-07	6.40E-08
3441 496863.09, 3848877.25	2.87E-03	9.06E-07	1.20E-07	1.59E-03	5.03E-07	6.63E-08	3.02E-04	9.54E-08	1.26E-08	3.22E-04	1.01E-07	1.34E-08	1.20E-07	6.71E-08
3442 497363.09, 3848877.25	3.14E-03	9.91E-07	1.31E-07	1.74E-03	5.50E-07	7.26E-08	3.31E-04	1.04E-07	1.38E-08	3.51E-04	1.11E-07	1.46E-08	1.32E-07	7.34E-08
3443 497863.09, 3848877.25	3.30E-03	1.04E-06	1.38E-07	1.83E-03	5.76E-07	7.60E-08	3.38E-04	1.07E-07	1.41E-08	3.61E-04	1.14E-07	1.50E-08	1.38E-07	7.70E-08
3444 498363.09, 3848877.25	3.42E-03	1.08E-06	1.42E-07	1.89E-03	5.95E-07	7.85E-08	3.43E-04	1.08E-07	1.43E-08	3.66E-04	1.15E-07	1.52E-08	1.43E-07	7.95E-08
3445 471363.09, 3849377.25	2.63E-03	8.32E-07	1.10E-07	1.60E-03	5.04E-07	6.65E-08	4.87E-04	1.54E-07	2.03E-08	5.13E-04	1.62E-07	2.14E-08	1.11E-07	6.76E-08
3446 471863.09, 3849377.25	2.77E-03	8.74E-07	1.15E-07	1.70E-03	5.35E-07	7.06E-08	5.39E-04	1.70E-07	2.25E-08	5.68E-04	1.79E-07	2.37E-08	1.17E-07	7.18E-08
3447 472363.09, 3849377.25	2.93E-03	9.23E-07	1.22E-07	1.81E-03	5.71E-07	7.54E-08	5.98E-04	1.89E-07	2.49E-08	6.30E-04	1.99E-07	2.62E-08	1.23E-07	7.67E-08
3448 472863.09, 3849377.25	3.12E-03	9.84E-07	1.30E-07	1.95E-03	6.17E-07	8.14E-08	6.75E-04	2.13E-07	2.81E-08	7.08E-04	2.24E-07	2.95E-08	1.31E-07	8.28E-08
3449 473363.09, 3849377.25	3.39E-03	1.07E-06	1.41E-07	2.16E-03	6.81E-07	8.99E-08	7.90E-04	2.49E-07	3.29E-08	8.28E-04	2.61E-07	3.45E-08	1.43E-07	9.15E-08
3450 473863.09, 3849377.25	3.75E-03	1.18E-06	1.56E-07	2.44E-03	7.71E-07	1.02E-07	9.57E-04	3.02E-07	3.99E-08	1.00E-03	3.17E-07	4.18E-08	1.58E-07	1.04E-07
3451 474363.09, 3849377.25	4.29E-03	1.35E-06	1.79E-07	2.87E-03	9.06E-07	1.20E-07	1.21E-03	3.83E-07	5.06E-08	1.28E-03	4.03E-07	5.32E-08	1.81E-07	1.22E-07
3452 474863.09, 3849377.25	5.23E-03	1.65E-06	2.18E-07	3.63E-03	1.14E-06	1.51E-07	1.68E-03	5.30E-07	6.99E-08	1.77E-03	5.58E-07	7.36E-08	2.22E-07	1.55E-07
3453 475363.09, 3849377.25	7.34E-03	2.32E-06	3.06E-07	5.34E-03	1.68E-06	2.22E-07	2.74E-03	8.64E-07	1.14E-07	2.88E-03	9.09E-07	1.20E-07	3.12E-07	2.28E-07
3454 475863.09, 3849377.25	1.25E-02	3.94E-06	5.20E-07	9.13E-03	2.88E-06	3.80E-07	4.73E-03	1.49E-06	1.97E-07	4.97E-03	1.57E-06	2.07E-07	5.30E-07	3.90E-07
3455 476363.09, 3849377.25	2.60E-02	8.20E-06	1.08E-06	1.93E-02	6.10E-06	8.05E-07	1.03E-02	3.27E-06	4.31E-07	1.08E-02	3.42E-06	4.52E-07	1.10E-06	8.25E-07
3456 476863.09, 3849377.25	5.57E-02	1.76E-05	2.32E-06	4.56E-02	1.44E-05	1.90E-06	2.86E-02	9.04E-06	1.19E-06	3.02E-02	9.53E-06	1.26E-06	2.38E-06	1.96E-06
3457 477363.09, 3849377.25	1.81E-02	5.72E-06	7.55E-07	1.41E-02	4.46E-06	5.89E-07	8.23E-03	2.60E-06	3.43E-07	8.64E-03	2.73E-06	3.60E-07	7.72E-07	6.06E-07
3458 477863.09, 3849377.25	1.18E-02	3.73E-06	4.92E-07	8.94E-03	2.82E-06	3.72E-07	4.94E-03	1.56E-06	2.06E-07	5.19E-03	1.64E-06	2.16E-07	5.03E-07	3.83E-07
3459 478363.09, 3849377.25	9.54E-03	3.01E-06	3.98E-07	6.99E-03	2.21E-06	2.91E-07	3.64E-03	1.15E-06	1.51E-07	3.82E-03	1.20E-06	1.59E-07	4.05E-07	2.99E-07
3460 478863.09, 3849377.25	8.25E-03	2.60E-06	3.44E-07	5.79E-03	1.83E-06	2.41E-07	2.75E-03	8.67E-07	1.14E-07	2.88E-03	9.09E-07	1.20E-07	3.49E-07	2.47E-07
3461 479363.09, 3849377.25	7.44E-03	2.35E-06	3.10E-07	5.07E-03	1.60E-06	2.11E-07	2.25E-03	7.09E-07	9.36E-08	2.36E-03	7.45E-07	9.83E-08	3.15E-07	2.16E-07
3462 479863.09, 3849377.25	6.38E-03	2.01E-06	2.66E-07	4.24E-03	1.34E-06	1.77E-07	1.77E-03	5.57E-07	7.36E-08	1.86E-03	5.88E-07	7.76E-08	2.70E-07	1.81E-07
3463 480363.09, 3849377.25	6.28E-03	1.98E-06	2.62E-07	4.14E-03	1.31E-06	1.72E-07	1.67E-03	5.28E-07	6.97E-08	1.76E-03	5.56E-07	7.34E-08	2.65E-07	1.76E-07
3464 480863.09, 3849377.25	5.80E-03	1.83E-06	2.42E-07	3.77E-03	1.19E-06	1.57E-07	1.47E-03	4.64E-07	6.13E-08	1.55E-03	4.89E-07	6.45E-08	2.45E-07	1.60E-07
3465 481363.09, 3849377.25	5.35E-03	1.69E-06	2.23E-07	3.42E-03	1.08E-06	1.42E-07	1.26E-03	3.98E-07	5.25E-08	1.32E-03	4.17E-07	5.50E-08	2.26E-07	1.45E-07
3466 481863.09, 3849377.25	4.72E-03	1.49E-06	1.97E-07	2.96E-03	9.36E-07	1.24E-07	1.03E-03	3.26E-07	4.30E-08	1.09E-03	3.43E-07	4.52E-08	1.99E-07	1.26E-07
3467 482363.09, 3849377.25	4.32E-03	1.36E-06	1.80E-07	2.70E-03	8.52E-07	1.12E-07	9.21E-04	2.91E-07	3.84E-08	9.70E-04	3.06E-07	4.04E-08	1.82E-07	1.14E-07
3468 482863.09, 3849377.25	3.90E-03	1.23E-06	1.62E-07	2.42E-03	7.64E-07	1.01E-07	8.11E-04	2.56E-07	3.38E-08	8.55E-04	2.70E-07	3.56E-08	1.64E-07	1.03E-07
3469 483363.09, 3849377.25	3.64E-03	1.15E-06	1.52E-07	2.25E-03	7.11E-07	9.38E-08	7.46E-04	2.35E-07	3.11E-08	7.87E-04	2.48E-07	3.28E-08	1.53E-07	9.56E-08
3470 483863.09, 3849377.25	3.34E-03	1.05E-06	1.39E-07	2.06E-03	6.49E-07	8.57E-08	6.69E-04	2.11E-07	2.79E-08	7.05E-04	2.23E-07	2.94E-08	1.41E-07	8.72E-08
3471 484363.09, 3849377.25	3.88E-03	1.22E-06	1.62E-07	2.38E-03	7.51E-07	9.91E-08	7.61E-04	2.40E-07	3.17E-08	8.05E-04	2.54E-07	3.35E-08	1.63E-07	1.01E-07
3472 484863.09, 3849377.25	4.14E-03	1.31E-06	1.72E-07	2.52E-03	7.96E-07	1.05E-07	7.88E-04	2.49E-07	3.28E-08	8.34E-04	2.63E-07	3.47E-08	1.74E-07	1.07E-07
3473 485363.09, 3849377.25	4.03E-03	1.27E-06	1.68E-07	2.45E-03	7.73E-07	1.02E-07	7.55E-04	2.38E-07	3.15E-08	8.00E-04	2.52E-07	3.33E-08	1.70E-07	1.04E-07
3474 485863.09, 3849377.25	3.56E-03	1.12E-06	1.48E-07	2.16E-03	6.83E-07	9.02E-08	6.69E-04	2.11E-07	2.79E-08	7.07E-04	2.23E-07	2.94E-08	1.50E-07	9.18E-08

3475	486363.09, 3849377.25	3.21E-03	1.01E-06	1.34E-07	1.95E-03	6.15E-07	8.12E-08	5.98E-04	1.89E-07	2.49E-08	6.32E-04	1.99E-07	2.63E-08	1.35E-07	8.25E-08
3476	486863.09, 3849377.25	3.38E-03	1.07E-06	1.41E-07	2.05E-03	6.46E-07	8.52E-08	6.23E-04	1.97E-07	2.60E-08	6.58E-04	2.08E-07	2.74E-08	1.42E-07	8.66E-08
3477	487363.09, 3849377.25	3.39E-03	1.07E-06	1.41E-07	2.04E-03	6.45E-07	8.51E-08	6.11E-04	1.93E-07	2.55E-08	6.45E-04	2.03E-07	2.69E-08	1.43E-07	8.65E-08
3478	487863.09, 3849377.25	3.34E-03	1.06E-06	1.39E-07	2.01E-03	6.33E-07	8.36E-08	5.86E-04	1.85E-07	2.44E-08	6.19E-04	1.95E-07	2.58E-08	1.41E-07	8.49E-08
3479	488363.09, 3849377.25	3.31E-03	1.05E-06	1.38E-07	1.98E-03	6.24E-07	8.23E-08	5.62E-04	1.77E-07	2.34E-08	5.96E-04	1.88E-07	2.48E-08	1.39E-07	8.37E-08
3480	488863.09, 3849377.25	3.29E-03	1.04E-06	1.37E-07	1.95E-03	6.17E-07	8.14E-08	5.45E-04	1.72E-07	2.27E-08	5.78E-04	1.82E-07	2.41E-08	1.39E-07	8.28E-08
3481	489363.09, 3849377.25	3.29E-03	1.04E-06	1.37E-07	1.94E-03	6.13E-07	8.09E-08	5.29E-04	1.67E-07	2.21E-08	5.60E-04	1.77E-07	2.33E-08	1.38E-07	8.22E-08
3482	489863.09, 3849377.25	3.25E-03	1.03E-06	1.35E-07	1.91E-03	6.03E-07	7.96E-08	5.09E-04	1.61E-07	2.12E-08	5.39E-04	1.70E-07	2.24E-08	1.37E-07	8.08E-08
3483	490363.09, 3849377.25	3.19E-03	1.01E-06	1.33E-07	1.86E-03	5.88E-07	7.76E-08	4.81E-04	1.52E-07	2.00E-08	5.09E-04	1.61E-07	2.12E-08	1.34E-07	7.87E-08
3484	490863.09, 3849377.25	3.15E-03	9.93E-07	1.31E-07	1.83E-03	5.77E-07	7.61E-08	4.59E-04	1.45E-07	1.91E-08	4.86E-04	1.54E-07	2.03E-08	1.32E-07	7.73E-08
3485	491363.09, 3849377.25	3.11E-03	9.81E-07	1.29E-07	1.80E-03	5.67E-07	7.48E-08	4.40E-04	1.39E-07	1.83E-08	4.65E-04	1.47E-07	1.94E-08	1.30E-07	7.59E-08
3486	491863.09, 3849377.25	2.99E-03	9.44E-07	1.25E-07	1.72E-03	5.43E-07	7.17E-08	4.12E-04	1.30E-07	1.72E-08	4.36E-04	1.38E-07	1.82E-08	1.26E-07	7.27E-08
3487	492363.09, 3849377.25	2.90E-03	9.16E-07	1.21E-07	1.66E-03	5.25E-07	6.93E-08	3.87E-04	1.22E-07	1.61E-08	4.10E-04	1.29E-07	1.71E-08	1.22E-07	7.02E-08
3488	492863.09, 3849377.25	2.79E-03	8.82E-07	1.16E-07	1.59E-03	5.01E-07	6.62E-08	3.54E-04	1.12E-07	1.47E-08	3.75E-04	1.18E-07	1.56E-08	1.17E-07	6.71E-08
3489	493363.09, 3849377.25	2.76E-03	8.71E-07	1.15E-07	1.56E-03	4.93E-07	6.51E-08	3.38E-04	1.07E-07	1.41E-08	3.57E-04	1.13E-07	1.49E-08	1.16E-07	6.59E-08
3490	493863.09, 3849377.25	2.79E-03	8.80E-07	1.16E-07	1.57E-03	4.95E-07	6.54E-08	3.27E-04	1.03E-07	1.36E-08	3.48E-04	1.10E-07	1.45E-08	1.17E-07	6.62E-08
3491	494363.09, 3849377.25	2.86E-03	9.02E-07	1.19E-07	1.60E-03	5.05E-07	6.67E-08	3.26E-04	1.03E-07	1.36E-08	3.46E-04	1.09E-07	1.44E-08	1.20E-07	6.76E-08
3492	494863.09, 3849377.25	3.04E-03	9.60E-07	1.27E-07	1.70E-03	5.36E-07	7.08E-08	3.40E-04	1.07E-07	1.42E-08	3.62E-04	1.14E-07	1.51E-08	1.28E-07	7.17E-08
3493	495363.09, 3849377.25	3.11E-03	9.82E-07	1.30E-07	1.73E-03	5.47E-07	7.22E-08	3.40E-04	1.07E-07	1.42E-08	3.62E-04	1.14E-07	1.51E-08	1.31E-07	7.32E-08
3494	495863.09, 3849377.25	2.92E-03	9.22E-07	1.22E-07	1.62E-03	5.10E-07	6.73E-08	2.99E-04	9.44E-08	1.25E-08	3.18E-04	1.00E-07	1.33E-08	1.23E-07	6.81E-08
3495	496363.09, 3849377.25	2.92E-03	9.23E-07	1.22E-07	1.61E-03	5.08E-07	6.71E-08	2.90E-04	9.15E-08	1.21E-08	3.09E-04	9.74E-08	1.29E-08	1.23E-07	6.79E-08
3496	496863.09, 3849377.25	3.27E-03	1.03E-06	1.36E-07	1.80E-03	5.69E-07	7.51E-08	3.26E-04	1.03E-07	1.36E-08	3.49E-04	1.10E-07	1.46E-08	1.37E-07	7.61E-08
3497	497363.09, 3849377.25	3.39E-03	1.07E-06	1.41E-07	1.86E-03	5.89E-07	7.77E-08	3.32E-04	1.05E-07	1.38E-08	3.56E-04	1.12E-07	1.48E-08	1.42E-07	7.87E-08
3498	497863.09, 3849377.25	3.82E-03	1.20E-06	1.59E-07	2.09E-03	6.61E-07	8.72E-08	3.65E-04	1.15E-07	1.52E-08	3.92E-04	1.24E-07	1.63E-08	1.60E-07	8.83E-08
3499	498363.09, 3849377.25	3.78E-03	1.19E-06	1.57E-07	2.07E-03	6.52E-07	8.61E-08	3.52E-04	1.11E-07	1.47E-08	3.79E-04	1.20E-07	1.58E-08	1.58E-07	8.71E-08
3500	471363.09, 3849877.25	2.58E-03	8.15E-07	1.08E-07	1.52E-03	4.80E-07	6.34E-08	4.10E-04	1.30E-07	1.71E-08	4.34E-04	1.37E-07	1.81E-08	1.09E-07	6.44E-08
3501	471863.09, 3849877.25	2.78E-03	8.77E-07	1.16E-07	1.66E-03	5.25E-07	6.93E-08	4.81E-04	1.52E-07	2.00E-08	5.08E-04	1.60E-07	2.11E-08	1.17E-07	7.04E-08
3502	472363.09, 3849877.25	2.93E-03	9.24E-07	1.22E-07	1.77E-03	5.59E-07	7.37E-08	5.34E-04	1.69E-07	2.23E-08	5.63E-04	1.78E-07	2.35E-08	1.23E-07	7.50E-08
3503	472863.09, 3849877.25	3.05E-03	9.62E-07	1.27E-07	1.86E-03	5.88E-07	7.76E-08	5.86E-04	1.85E-07	2.44E-08	6.17E-04	1.95E-07	2.57E-08	1.28E-07	7.89E-08
3504	473363.09, 3849877.25	3.22E-03	1.02E-06	1.34E-07	1.99E-03	6.28E-07	8.28E-08	6.55E-04	2.07E-07	2.73E-08	6.89E-04	2.17E-07	2.87E-08	1.35E-07	8.43E-08
3505	473863.09, 3849877.25	3.41E-03	1.08E-06	1.42E-07	2.14E-03	6.76E-07	8.92E-08	7.44E-04	2.35E-07	3.10E-08	7.83E-04	2.47E-07	3.26E-08	1.44E-07	9.09E-08
3506	474363.09, 3849877.25	3.65E-03	1.15E-06	1.52E-07	2.33E-03	7.37E-07	9.72E-08	8.65E-04	2.73E-07	3.60E-08	9.08E-04	2.86E-07	3.78E-08	1.54E-07	9.90E-08
3507	474863.09, 3849877.25	3.93E-03	1.24E-06	1.64E-07	2.57E-03	8.10E-07	1.07E-07	1.01E-03	3.20E-07	4.22E-08	1.06E-03	3.36E-07	4.43E-08	1.66E-07	1.09E-07
3508	475363.09, 3849877.25	4.33E-03	1.37E-06	1.81E-07	2.89E-03	9.13E-07	1.21E-07	1.21E-03	3.83E-07	5.06E-08	1.28E-03	4.04E-07	5.33E-08	1.83E-07	1.23E-07
3509	475863.09, 3849877.25	5.11E-03	1.61E-06	2.13E-07	3.44E-03	1.09E-06	1.43E-07	1.48E-03	4.68E-07	6.17E-08	1.57E-03	4.94E-07	6.52E-08	2.16E-07	1.47E-07
3510	476363.09, 3849877.25	6.22E-03	1.96E-06	2.59E-07	4.25E-03	1.34E-06	1.77E-07	1.89E-03	5.97E-07	7.88E-08	2.00E-03	6.30E-07	8.32E-08	2.64E-07	1.81E-07
3511	476863.09, 3849877.25	8.44E-03	2.66E-06	3.52E-07	5.92E-03	1.87E-06	2.47E-07	2.81E-03	8.87E-07	1.17E-07	2.96E-03	9.33E-07	1.23E-07	3.58E-07	2.53E-07
3512	477363.09, 3849877.25	1.77E-02	5.60E-06	7.39E-07	1.29E-02	4.08E-06	5.38E-07	6.64E-03	2.09E-06	2.77E-07	7.00E-03	2.21E-06	2.92E-07	7.54E-07	5.53E-07
3513	477863.09, 3849877.25	8.16E-02	2.58E-05	3.40E-06	6.04E-02	1.91E-05	2.52E-06	3.20E-02	1.01E-05	1.33E-06	3.31E-02	1.04E-05	1.38E-06	3.45E-06	2.56E-06
3514	478363.09, 3849877.25	2.56E-02	8.07E-06	1.07E-06	1.81E-02	5.71E-06	7.53E-07	8.72E-03	2.75E-06	3.63E-07	9.12E-03	2.88E-06	3.80E-07	1.08E-06	7.70E-07
3515	478863.09, 3849877.25	1.64E-02	5.17E-06	6.83E-07	1.14E-02	3.59E-06	4.73E-07	5.24E-03	1.65E-06	2.18E-07	5.48E-03	1.73E-06	2.28E-07	6.93E-07	4.84E-07
3516	479363.09, 3849877.25	1.27E-02	3.99E-06	5.27E-07	8.48E-03	2.68E-06	3.53E-07	3.60E-03	1.14E-06	1.50E-07	3.76E-03	1.19E-06	1.57E-07	5.34E-07	3.60E-07
3517	479863.09, 3849877.25	1.07E-02	3.36E-06	4.44E-07	7.03E-03	2.22E-06	2.93E-07	2.86E-03	9.03E-07	1.19E-07	3.01E-03	9.48E-07	1.25E-07	4.50E-07	2.99E-07
3518	480363.09, 3849877.25	9.02E-03	2.85E-06	3.76E-07	5.80E-03	1.83E-06	2.42E-07	2.19E-03	6.90E-07	9.11E-08	2.30E-03	7.26E-07	9.58E-08	3.81E-07	2.47E-07
3519	480863.09, 3849877.25	7.79E-03	2.46E-06	3.24E-07	4.94E-03	1.56E-06	2.06E-07	1.77E-03	5.60E-07	7.39E-08	1.87E-03	5.90E-07	7.79E-08	3.28E-07	2.10E-07
3520	481363.09, 3849877.25	6.95E-03	2.19E-06	2.90E-07	4.36E-03	1.38E-06	1.82E-07	1.52E-03	4.80E-07	6.33E-08	1.59E-03	5.03E-07	6.64E-08	2.93E-07	1.85E-07
3521	481863.09, 3849877.25	5.66E-03	1.79E-06	2.36E-07	3.51E-03	1.11E-06	1.46E-07	1.18E-03	3.71E-07	4.90E-08	1.23E-03	3.89E-07	5.14E-08	2.38E-07	1.49E-07
3522	482363.09, 3849877.25	4.95E-03	1.56E-06	2.06E-07	3.06E-03	9.66E-07	1.27E-07	1.01E-03	3.18E-07	4.20E-08	1.06E-03	3.35E-07	4.42E-08	2.08E-07	1.30E-07
3523	482863.09, 3849877.25	4.45E-03	1.41E-06	1.85E-07	2.74E-03	8.66E-07	1.14E-07	8.93E-04	2.82E-07	3.72E-08	9.40E-04	2.97E-07	3.92E-08	1.87E-07	1.16E-07
3524	483363.09, 3849877.25	4.01E-03	1.27E-06	1.67E-07	2.46E-03	7.78E-07	1.03E-07	7.93E-04	2.50E-07	3.30E-08	8.36E-04	2.64E-07	3.48E-08	1.69E-07	1.04E-07
3525	483863.09, 3849877.25	3.88E-03	1.23E-06	1.62E-07	2.38E-03	7.50E-07	9.90E-08	7.53E-04	2.38E-07	3.14E-08	7.97E-04	2.51E-07	3.32E-08	1.64E-07	1.01E-07
3526	484363.09, 3849877.25	4.36E-03	1.38E-06	1.82E-07	2.65E-03	8.37E-07	1.11E-07	8.26E-04	2.61E-07	3.44E-08	8.73E-04	2.76E-07	3.64E-08	1.83E-07	1.13E-07
3527	484863.09, 3849877.25	4.78E-03	1.51E-06	1.99E-07	2.90E-03	9.14E-07	1.21E-07	8.79E-04	2.77E-07	3.66E-08	9.32E-04	2.94E-07	3.88E-08	2.01E-07	1.23E-07
3528	485363.09, 3849877.25	4.53E-03	1.43E-06	1.89E-07	2.73E-03	8.63E-07	1.14E-07	8.18E-04	2.58E-07	3.41E-08	8.67E-04	2.74E-07	3.61E-08	1.91E-07	1.16E-07
3529	485863.09, 3849877.25	4.12E-03	1.30E-06	1.72E-07	2.49E-03	7.85E-07	1.04E-07	7.43E-04	2.34E-07	3.09E-08	7.85E-04	2.48E-07	3.27E-08	1.74E-07	1.05E-07
3530	486363.09, 3849877.25	3.87E-03	1.22E-06	1.61E-07	2.33E-03	7.36E-07	9.71E-08	6.96E-04	2.20E-07	2.90E-08	7.35E-04	2.32E-07	3.06E-08	1.63E-07	9.88E-08
3531	486863.09, 3849877.25	3.93E-03	1.24E-06	1.64E-07	2.36E-03	7.45E-07	9.84E-08	6.94E-04	2.19E-07	2.89E-08	7.33E-04	2.31E-07	3.05E-08	1.65E-07	1.00E-07
3532	487363.09, 3849877.25	3.85E-03	1.22E-06	1.61E-07	2.31E-03	7.28E-07	9.61E-08	6.66E-04	2.10E-07	2.77E-08	7.04E-04	2.22E-07	2.93E-08	1.62E-07	9.76E-08
3533	487863.09, 3849877.25	3.76E-03	1.19E-06	1.57E-07	2.24E-03	7.07E-07	9.33E-08	6.34E-04	2.00E-07	2.64E-08	6.71E-04	2.12E-07	2.79E-08	1.58E-07	9.49E-08
3534	488363.09, 3849877.25	3.72E-03	1.17E-06	1.55E-07	2.20E-03	6.95E-07	9.17E-08	6.08E-04	1.92E-07	2.53E-08	6.45E-04	2.03E-07	2.69E-08	1.56E-07	9.32E-08
3535	488863.09, 3849877.25	3.69E-03	1.16E-06	1.54E-07	2.17E-03	6.86E-07	9.05E-08	5.86E-04	1.85E-07	2.44E-08	6.22E-04	1.96E-07	2.59E-08	1.55E-07	9.20E-08
3536	489363.09, 3849877.25	3.66E-03	1.15E-06	1.52E-07	2.14E-03	6.76E-07	8.92E-08	5.61E-04	1.77E-07	2.34E-08	5.96E-04	1.88E-07	2.48E-08	1.54E-07	9.07E-08
3537	489863.09, 3849877.25	3.60E-03	1.14E-06	1.50E-07	2.09E-03	6.61E-07	8.72E-08	5.33E-04	1.68E-07	2.22E-08	5.66E-04	1.79E-07	2.36E-08	1.51E-07	8.87E-08
3538	490363.09, 3849877.25	3.52E-03	1.11E-06	1.47E-07	2.04E-03	6.43E-07	8.49E-08	5.04E-04	1.59E-07	2.10E-08	5.35E-04	1.69E-07	2.23E-08	1.48E-07	8.62E-08
3539	490863.09, 3849877.25	3.48E-03	1.10E-06	1.45E-07	2.00E-03	6.32E-07	8.34E-08	4.81E-04	1.52E-07	2.00E-08	5.11E-04	1.61E-07	2.13E-08	1.46E-07	8.47E-08
3540	491363.09, 3849877.25	3.45E-03	1.09E-06	1.44E-07	1.98E-03	6.24E-07	8.23E-08	4.61E-04	1.45E-07	1.92E-08	4.88E-04	1.54E-07	2.03E-08	1.45E-07	8.35E-08
3541	491863.09, 3849877.25	3.33E-03	1.05E-06	1.39E-07	1.90E-03	5.99E-07	7.91E-08	4.31E-04	1.36E-07	1.79E-08	4.57E-04	1.44E-07	1.90E-08	1.40E-07	8.02E-08
3542	492363.09, 3849877.25	3.24E-03	1.02E-06	1.35E-07	1.84E-03	5.81E-07	7.67E-08	4.06E-04	1.28E-07	1.69E-08	4.31E-04	1.36E-07	1.80E-08	1.36E-07	7.77E-08
3543	492863.09, 3849877.25	3.15E-03	9.95E-07	1.31E-07	1.78E-03	5.61E-07	7.41E-08	3.78E-04	1.19E-07	1.57E-08	4.03E-04	1.27E-07	1.68E-08	1.32E-07	7.52E-08
3544	493363.09, 3849877.25	3.09E-03	9.77E-07	1.29E-07	1.73E-03	5.47E-07	7.22E-08	3.51E-04	1.11E-07	1.46E-08	3.74E-04	1.18E-07	1.56E-08	1.30E-07	7.31E-08
3545	493863.09, 3849877.25	3.08E-03	9.71E-07	1.28E-07	1.71E-03	5.41E-07	7.14E-08	3.35E-04	1.06E-07	1.40E-08	3.56E-04	1.12E-07	1.48E-08	1.29E-07	7.23E-08
3546	494363.09, 3849877.25	3.31E-03	1.05E-06	1.38E-07	1.84E-03	5.81E-07	7.68E-08	3.57E-04	1.13E-07	1.49E-08	3.82E-04	1.21E-07	1.59E-08	1.39E-07	7.78E-08
3547	494863.09, 3849877.25	3.51E-03	1.11E-06	1.46E-07	1.94E-03	6.13E-07	8.10E-08	3.68E-04	1.16E-07	1.53E-08	3.93E-04	1.24E-07	1.64E-08	1.47E-07	8.20E-08
3548	495363.09, 3849877.25	3.37E-03	1.06E-06	1.40E-07	1.86E-03	5.87E-07	7.75E-08	3.38E-04	1.07E-07	1.41E-08	3.62E-04	1.14E-07	1.51E-08	1.41E-07	7.85E-08
3549	495863.09, 3849877.25	3.57E-03	1.13E-06	1.49E-07	1.97E-03	6.21E-07	8.19E-08	3.54E-04	1.12E-07	1.47E-08	3.79E-04	1.20E-07	1.58E-08	1.50E-07	8.29E-08
3550	496363.09, 3849877.25	3.68E-03	1.16E-06	1.53E-07	2.02E-03	6.37E-07	8.41E-08	3.54E-04	1.12E-07	1.47E-08	3.79E-04	1.20E-07	1.58E-08	1.54E-07	8.52E-08
3551	496863.09, 3849877.25	3.76E-03	1.19E-06	1.57E-07	2.06E-03	6.50E-07	8.58E-08	3.52E-04	1.11E-07	1.47E-08	3.77E-04	1.19E-07	1.57E-08	1.58E-07	8.68E-08
3552	497363.09, 3849877.25	4.07E-03	1.29E-06	1.70E-07	2.22E-03	7.02E-07	9.26E-08	3.71E-04	1.17E-07	1.55E-08	4.00E-04	1.26E-07	1.67E-08	1.71E-07	9.38E-08
3553	497863.09, 3849877.25	4.20E-03	1.33E-06	1.75E-07	2.29E-03	7.21E-07	9.52E-08	3.73E-04	1.18E-07	1.55E-08	4.03E-04	1.27E-07	1.68E-08	1.76E-07	9.65E-08
3554	498363.09, 3849877.25	4.15E-03	1.31E-06	1.73E-07	2.25E-03	7.11E-07	9.39E-08	3.62E-04	1.14E-07	1.51E-08	3.90E-04	1.23E-07	1.63E-08	1.74E-07	9.50E-08
3555	471363.09, 3850377.25	2.43E-03	7.68E-07	1.01E-07	1.38E-03	4.35E-07	5.74E-08	3.01E-04	9.49E-08	1.25E-08	3.20E-04	1.01E-07	1.33E-08	1.02E-07	5.82E-08
3556	471863.09, 3850377.25	2.68E-03	8.45E-07	1.12E-07	1.55E-03	4.90E-07	6.46E-08	3.85E-04	1.22E-07	1.61E-08	4.08E-04	1.29E-07	1.70E-08	1.12E-07	6.56E-08
3557	472363.09, 3850377.25	2.83E-03	8.92E-07	1.18E-07	1.66E-03	5.23E-07	6.91E-08	4.39E-04	1.38E-07	1.83E-08	4.65E-04	1.47E-07	1.94E-08	1.19E-07	7.02E-08
3558	472863.09, 3850377.25	3.01E-03	9.50E-07	1.25E-07	1.79E-03	5.66E-07	7.47E-08	5.09E-04	1.61E-07	2.12E-08	5.39E-04	1.70E-07	2.24E-08	1.27E-07	7.60E-08
3559	473363.09, 3850377.25	3.14E-03	9.90E-07	1.31E-07	1.89E-03	5.96E-07	7.86E-08	5.58E-04	1.76E-07	2.32E-08	5.88E-04	1.85E-07	2.45E-08	1.32E-07	7.99E-08
3560	473863.09, 3850377.25	3.27E-03	1.03E-06	1.36E-07	1.99E-03	6.27E-07	8.28E-08	6.16E-04	1.94E-07	2.56E-08	6.50E-04	2.05E-07	2.71E-08	1.37E-07	8.42E-08
3561	474363.09, 3850377.25	3.43E-03	1.08E-06	1.43E-07	2.11E-03	6.66E-07	8.79E-08	6.81E-04	2.15E-07	2.84E-08	7.18E-04	2.27E-07	2.99E-08	1.44E-07	8.94E-08
3562	474863.09, 3850377.25	3.60E-03	1.14E-06	1.50E-07	2.24E-03	7.07E-07	9.33E-08	7.58E-04	2.39E-07	3.16E-08	7.98E-04	2.52E-07	3.33E-08	1.52E-07	9.50E-08
3563	475363.09, 3850377.25	3.82E-03	1.21E-06	1.59E-07	2.41E-03	7.60E-07	1.00E-07	8.49E-04	2.68E-07	3.54E-08	8.91E-04	2.81E-07	3.71E-08	1.61E-07	1.02E-07
3564	475863.09, 3850377.25	4.20E-03	1.33E-06	1.75E-07	2.68E-03	8.45E-07	1.12E-07	9.78E-04	3.09E-07	4.07E-08	1.03E-03	3.25E-07	4.28E-08	1.77E-07	1.14E-07
3565	476363.09, 3850377.25	4.71E-03	1.49E-06	1.96E-07	3.03E-03	9.55E-07	1.26E-07	1.13E-03	3.58E-07	4.73E-08	1.20E-03	3.78E-07	4.99E-08	1.99E-07	1.29E-07
3566	476863.09, 3850377.25	5.39E-03	1.70E-06	2.24E-07	3.50E-03	1.11E-06	1.46E-07	1.37E-03	4.31E-07	5.69E-08	1.45E-03	4.56E-07	6.03E-08	2.28E-07	1.49E-07
3567	477363.09, 3850377.25	6.45E-03	2.03E-06	2.69E-07	4.28E-03	1.35E-06	1.78E-07	1.76E-03	5.57E-07	7.35E-08	1.86E-03	5.88E-07	7.77E-08	2.73E-07	1.82E-07
3568	477863.09, 3850377.25	8.78E-03	2.77E-06	3.66E-07	5.98E-03	1.89E-06	2.49E-07	2.64E-03	8.35E-07	1.10E-07	2.79E-03	8.80E-07	1.16E-07	3.72E-07	2.55E-07

3569	478363.09, 3850377.25	1.82E-02	5.75E-06	7.59E-07	1.29E-02	4.07E-06	5.37E-07	6.22E-03	1.96E-06	2.59E-07	6.62E-03	2.09E-06	2.76E-07	7.76E-07	5.53E-07
3570	478863.09, 3850377.25	1.08E-01	3.41E-05	4.51E-06	7.62E-02	2.41E-05	3.18E-06	3.65E-02	1.15E-05	1.52E-06	3.71E-02	1.17E-05	1.54E-06	4.53E-06	3.20E-06
3571	479363.09, 3850377.25	3.75E-02	1.18E-05	1.56E-06	2.42E-02	7.64E-06	1.01E-06	9.19E-03	2.90E-06	3.83E-07	9.55E-03	3.01E-06	3.98E-07	1.58E-06	1.02E-06
3572	479863.09, 3850377.25	2.27E-02	7.16E-06	9.45E-07	1.43E-02	4.52E-06	5.96E-07	5.08E-03	1.60E-06	2.12E-07	5.30E-03	1.67E-06	2.21E-07	9.54E-07	6.06E-07
3573	480363.09, 3850377.25	1.65E-02	5.20E-06	6.86E-07	1.03E-02	3.24E-06	4.28E-07	3.50E-03	1.11E-06	1.46E-07	3.67E-03	1.16E-06	1.53E-07	6.93E-07	4.35E-07
3574	480863.09, 3850377.25	1.29E-02	4.08E-06	5.38E-07	8.08E-03	2.55E-06	3.37E-07	2.78E-03	8.78E-07	1.16E-07	2.92E-03	9.21E-07	1.22E-07	5.44E-07	3.43E-07
3575	481363.09, 3850377.25	9.58E-03	3.02E-06	3.99E-07	5.91E-03	1.86E-06	2.46E-07	1.92E-03	6.07E-07	8.01E-08	2.03E-03	6.39E-07	8.44E-08	4.03E-07	2.50E-07
3576	481863.09, 3850377.25	8.43E-03	2.66E-06	3.51E-07	5.17E-03	1.63E-06	2.15E-07	1.65E-03	5.21E-07	6.87E-08	1.73E-03	5.47E-07	7.22E-08	3.54E-07	2.19E-07
3577	482363.09, 3850377.25	7.49E-03	2.36E-06	3.12E-07	4.56E-03	1.44E-06	1.90E-07	1.42E-03	4.48E-07	5.91E-08	1.50E-03	4.72E-07	6.24E-08	3.15E-07	1.93E-07
3578	482863.09, 3850377.25	5.88E-03	1.86E-06	2.45E-07	3.59E-03	1.13E-06	1.50E-07	1.13E-03	3.56E-07	4.71E-08	1.19E-03	3.77E-07	4.97E-08	2.48E-07	1.52E-07
3579	483363.09, 3850377.25	5.02E-03	1.59E-06	2.09E-07	3.07E-03	9.68E-07	1.28E-07	9.65E-04	3.05E-07	4.02E-08	1.02E-03	3.22E-07	4.25E-08	2.12E-07	1.30E-07
3580	483863.09, 3850377.25	4.99E-03	1.58E-06	2.08E-07	3.04E-03	9.58E-07	1.27E-07	9.40E-04	2.97E-07	3.92E-08	9.96E-04	3.14E-07	4.15E-08	2.10E-07	1.29E-07
3581	484363.09, 3850377.25	5.20E-03	1.64E-06	2.17E-07	3.14E-03	9.93E-07	1.31E-07	9.51E-04	3.00E-07	3.96E-08	1.01E-03	3.18E-07	4.20E-08	2.19E-07	1.33E-07
3582	484863.09, 3850377.25	5.38E-03	1.70E-06	2.24E-07	3.24E-03	1.02E-06	1.35E-07	9.60E-04	3.03E-07	4.00E-08	1.02E-03	3.22E-07	4.25E-08	2.27E-07	1.37E-07
3583	485363.09, 3850377.25	5.21E-03	1.64E-06	2.17E-07	3.12E-03	9.85E-07	1.30E-07	9.07E-04	2.86E-07	3.78E-08	9.63E-04	3.04E-07	4.01E-08	2.19E-07	1.32E-07
3584	485863.09, 3850377.25	4.86E-03	1.53E-06	2.02E-07	2.90E-03	9.16E-07	1.21E-07	8.33E-04	2.63E-07	3.47E-08	8.83E-04	2.79E-07	3.68E-08	2.04E-07	1.23E-07
3585	486363.09, 3850377.25	4.68E-03	1.48E-06	1.95E-07	2.79E-03	8.80E-07	1.16E-07	7.93E-04	2.50E-07	3.30E-08	8.39E-04	2.65E-07	3.50E-08	1.97E-07	1.18E-07
3586	486863.09, 3850377.25	4.53E-03	1.43E-06	1.89E-07	2.69E-03	8.50E-07	1.12E-07	7.55E-04	2.38E-07	3.15E-08	8.00E-04	2.52E-07	3.33E-08	1.91E-07	1.14E-07
3587	487363.09, 3850377.25	4.34E-03	1.37E-06	1.81E-07	2.57E-03	8.11E-07	1.07E-07	7.10E-04	2.24E-07	2.96E-08	7.51E-04	2.37E-07	3.13E-08	1.82E-07	1.09E-07
3588	487863.09, 3850377.25	4.26E-03	1.34E-06	1.77E-07	2.51E-03	7.92E-07	1.05E-07	6.78E-04	2.14E-07	2.83E-08	7.20E-04	2.27E-07	3.00E-08	1.79E-07	1.06E-07
3589	488363.09, 3850377.25	4.18E-03	1.32E-06	1.74E-07	2.45E-03	7.73E-07	1.02E-07	6.47E-04	2.04E-07	2.70E-08	6.87E-04	2.17E-07	2.86E-08	1.76E-07	1.04E-07
3590	488863.09, 3850377.25	4.14E-03	1.31E-06	1.73E-07	2.42E-03	7.63E-07	1.01E-07	6.20E-04	1.96E-07	2.58E-08	6.59E-04	2.08E-07	2.75E-08	1.74E-07	1.02E-07
3591	489363.09, 3850377.25	4.11E-03	1.30E-06	1.71E-07	2.38E-03	7.52E-07	9.92E-08	5.92E-04	1.87E-07	2.47E-08	6.30E-04	1.99E-07	2.62E-08	1.73E-07	1.01E-07
3592	489863.09, 3850377.25	4.03E-03	1.27E-06	1.68E-07	2.32E-03	7.33E-07	9.67E-08	5.59E-04	1.77E-07	2.33E-08	5.94E-04	1.88E-07	2.48E-08	1.69E-07	9.82E-08
3593	490363.09, 3850377.25	3.95E-03	1.25E-06	1.65E-07	2.26E-03	7.15E-07	9.44E-08	5.29E-04	1.67E-07	2.21E-08	5.65E-04	1.78E-07	2.35E-08	1.66E-07	9.58E-08
3594	490863.09, 3850377.25	3.91E-03	1.23E-06	1.63E-07	2.23E-03	7.03E-07	9.28E-08	5.06E-04	1.60E-07	2.11E-08	5.39E-04	1.70E-07	2.24E-08	1.64E-07	9.42E-08
3595	491363.09, 3850377.25	3.87E-03	1.22E-06	1.61E-07	2.20E-03	6.93E-07	9.15E-08	4.81E-04	1.52E-07	2.00E-08	5.13E-04	1.62E-07	2.14E-08	1.63E-07	9.28E-08
3596	491863.09, 3850377.25	3.76E-03	1.19E-06	1.57E-07	2.12E-03	6.70E-07	8.84E-08	4.48E-04	1.41E-07	1.87E-08	4.78E-04	1.51E-07	1.99E-08	1.58E-07	8.96E-08
3597	492363.09, 3850377.25	3.62E-03	1.14E-06	1.51E-07	2.03E-03	6.40E-07	8.45E-08	4.17E-04	1.32E-07	1.74E-08	4.46E-04	1.41E-07	1.86E-08	1.52E-07	8.57E-08
3598	492863.09, 3850377.25	3.56E-03	1.12E-06	1.48E-07	1.99E-03	6.28E-07	8.29E-08	3.96E-04	1.25E-07	1.65E-08	4.23E-04	1.33E-07	1.76E-08	1.50E-07	8.40E-08
3599	493363.09, 3850377.25	3.51E-03	1.11E-06	1.46E-07	1.95E-03	6.14E-07	8.11E-08	3.71E-04	1.17E-07	1.55E-08	3.97E-04	1.25E-07	1.65E-08	1.47E-07	8.22E-08
3600	493863.09, 3850377.25	3.64E-03	1.15E-06	1.52E-07	2.01E-03	6.36E-07	8.39E-08	3.76E-04	1.19E-07	1.57E-08	4.02E-04	1.27E-07	1.67E-08	1.53E-07	8.50E-08
3601	494363.09, 3850377.25	3.75E-03	1.18E-06	1.56E-07	2.07E-03	6.52E-07	8.61E-08	3.74E-04	1.18E-07	1.56E-08	4.02E-04	1.27E-07	1.67E-08	1.57E-07	8.72E-08
3602	494863.09, 3850377.25	3.95E-03	1.25E-06	1.65E-07	2.17E-03	6.85E-07	9.05E-08	3.84E-04	1.21E-07	1.60E-08	4.11E-04	1.30E-07	1.71E-08	1.66E-07	9.16E-08
3603	495363.09, 3850377.25	4.20E-03	1.32E-06	1.75E-07	2.30E-03	7.25E-07	9.57E-08	3.93E-04	1.24E-07	1.64E-08	4.24E-04	1.34E-07	1.77E-08	1.76E-07	9.70E-08
3604	495863.09, 3850377.25	4.11E-03	1.30E-06	1.71E-07	2.24E-03	7.08E-07	9.34E-08	3.76E-04	1.19E-07	1.57E-08	4.05E-04	1.28E-07	1.69E-08	1.72E-07	9.46E-08
3605	496363.09, 3850377.25	4.35E-03	1.37E-06	1.81E-07	2.37E-03	7.47E-07	9.87E-08	3.85E-04	1.22E-07	1.61E-08	4.16E-04	1.31E-07	1.73E-08	1.83E-07	9.99E-08
3606	496863.09, 3850377.25	4.56E-03	1.44E-06	1.90E-07	2.47E-03	7.80E-07	1.03E-07	3.93E-04	1.24E-07	1.64E-08	4.26E-04	1.34E-07	1.77E-08	1.91E-07	1.04E-07
3607	497363.09, 3850377.25	4.64E-03	1.46E-06	1.93E-07	2.51E-03	7.93E-07	1.05E-07	3.92E-04	1.24E-07	1.63E-08	4.24E-04	1.34E-07	1.77E-08	1.95E-07	1.06E-07
3608	497863.09, 3850377.25	4.63E-03	1.46E-06	1.93E-07	2.50E-03	7.89E-07	1.04E-07	3.82E-04	1.21E-07	1.59E-08	4.15E-04	1.31E-07	1.73E-08	1.94E-07	1.06E-07
3609	498363.09, 3850377.25	4.62E-03	1.46E-06	1.93E-07	2.49E-03	7.86E-07	1.04E-07	3.74E-04	1.18E-07	1.56E-08	4.05E-04	1.28E-07	1.69E-08	1.94E-07	1.05E-07
3610	471363.09, 3850877.25	2.61E-03	8.24E-07	1.09E-07	1.47E-03	4.65E-07	6.13E-08	3.12E-04	9.84E-08	1.30E-08	3.30E-04	1.04E-07	1.37E-08	1.10E-07	6.21E-08
3611	471863.09, 3850877.25	2.72E-03	8.60E-07	1.13E-07	1.55E-03	4.89E-07	6.45E-08	3.46E-04	1.09E-07	1.44E-08	3.67E-04	1.16E-07	1.53E-08	1.14E-07	6.54E-08
3612	472363.09, 3850877.25	2.85E-03	9.01E-07	1.19E-07	1.64E-03	5.19E-07	6.85E-08	3.95E-04	1.25E-07	1.64E-08	4.18E-04	1.32E-07	1.74E-08	1.20E-07	6.95E-08
3613	472863.09, 3850877.25	3.00E-03	9.47E-07	1.25E-07	1.75E-03	5.52E-07	7.28E-08	4.45E-04	1.40E-07	1.85E-08	4.70E-04	1.48E-07	1.96E-08	1.26E-07	7.39E-08
3614	473363.09, 3850877.25	3.07E-03	9.69E-07	1.28E-07	1.79E-03	5.64E-07	7.45E-08	4.56E-04	1.44E-07	1.90E-08	4.83E-04	1.52E-07	2.01E-08	1.29E-07	7.56E-08
3615	473863.09, 3850877.25	3.26E-03	1.03E-06	1.36E-07	1.92E-03	6.06E-07	8.00E-08	5.19E-04	1.64E-07	2.16E-08	5.48E-04	1.73E-07	2.28E-08	1.37E-07	8.12E-08
3616	474363.09, 3850877.25	3.36E-03	1.06E-06	1.40E-07	2.01E-03	6.33E-07	8.36E-08	5.72E-04	1.80E-07	2.38E-08	6.04E-04	1.91E-07	2.52E-08	1.41E-07	8.49E-08
3617	474863.09, 3850877.25	3.53E-03	1.11E-06	1.47E-07	2.12E-03	6.69E-07	8.83E-08	6.25E-04	1.97E-07	2.60E-08	6.59E-04	2.08E-07	2.75E-08	1.48E-07	8.98E-08
3618	475363.09, 3850877.25	3.68E-03	1.16E-06	1.53E-07	2.23E-03	7.05E-07	9.30E-08	6.83E-04	2.16E-07	2.85E-08	7.21E-04	2.28E-07	3.01E-08	1.55E-07	9.46E-08
3619	475863.09, 3850877.25	3.90E-03	1.23E-06	1.62E-07	2.38E-03	7.53E-07	9.93E-08	7.55E-04	2.38E-07	3.15E-08	7.95E-04	2.51E-07	3.31E-08	1.64E-07	1.01E-07
3620	476363.09, 3850877.25	4.26E-03	1.34E-06	1.77E-07	2.62E-03	8.27E-07	1.09E-07	8.47E-04	2.67E-07	3.53E-08	8.91E-04	2.81E-07	3.71E-08	1.79E-07	1.11E-07
3621	476863.09, 3850877.25	4.62E-03	1.46E-06	1.93E-07	2.86E-03	9.03E-07	1.19E-07	9.49E-04	3.00E-07	3.95E-08	1.00E-03	3.16E-07	4.18E-08	1.95E-07	1.21E-07
3622	477363.09, 3850877.25	5.07E-03	1.60E-06	2.11E-07	3.17E-03	1.00E-06	1.32E-07	1.09E-03	3.46E-07	4.56E-08	1.16E-03	3.67E-07	4.84E-08	2.14E-07	1.35E-07
3623	477863.09, 3850877.25	5.73E-03	1.81E-06	2.39E-07	3.64E-03	1.15E-06	1.52E-07	1.32E-03	4.17E-07	5.50E-08	1.40E-03	4.42E-07	5.83E-08	2.42E-07	1.55E-07
3624	478363.09, 3850877.25	6.98E-03	2.20E-06	2.91E-07	4.51E-03	1.42E-06	1.88E-07	1.73E-03	5.46E-07	7.21E-08	1.83E-03	5.77E-07	7.62E-08	2.95E-07	1.92E-07
3625	478863.09, 3850877.25	9.59E-03	3.03E-06	4.00E-07	6.31E-03	1.99E-06	2.63E-07	2.54E-03	8.02E-07	1.06E-07	2.69E-03	8.51E-07	1.12E-07	4.06E-07	2.69E-07
3626	479363.09, 3850877.25	1.84E-02	5.81E-06	7.67E-07	1.26E-02	3.96E-06	5.23E-07	5.58E-03	1.76E-06	2.33E-07	6.01E-03	1.90E-06	2.50E-07	7.84E-07	5.41E-07
3627	479863.09, 3850877.25	1.28E-01	4.05E-05	5.35E-06	9.08E-02	2.86E-05	3.78E-06	4.38E-02	1.38E-05	1.83E-06	4.36E-02	1.37E-05	1.81E-06	5.34E-06	3.77E-06
3628	480363.09, 3850877.25	3.33E-02	1.05E-05	1.39E-06	2.23E-02	7.03E-06	9.28E-07	9.42E-03	2.97E-06	3.92E-07	9.81E-03	3.10E-06	4.09E-07	1.40E-06	9.44E-07
3629	480863.09, 3850877.25	1.97E-02	6.23E-06	8.22E-07	1.29E-02	4.08E-06	5.39E-07	5.16E-03	1.63E-06	2.15E-07	5.41E-03	1.71E-06	2.25E-07	8.32E-07	5.49E-07
3630	481363.09, 3850877.25	1.46E-02	4.61E-06	6.09E-07	9.37E-03	2.96E-06	3.90E-07	3.50E-03	1.10E-06	1.46E-07	3.69E-03	1.16E-06	1.54E-07	6.17E-07	3.98E-07
3631	481863.09, 3850877.25	1.19E-02	3.77E-06	4.97E-07	7.43E-03	2.35E-06	3.10E-07	2.52E-03	7.95E-07	1.05E-07	2.65E-03	8.37E-07	1.10E-07	5.03E-07	3.15E-07
3632	482363.09, 3850877.25	9.68E-03	3.06E-06	4.03E-07	5.91E-03	1.87E-06	2.46E-07	1.85E-03	5.85E-07	7.72E-08	1.96E-03	6.17E-07	8.15E-08	4.08E-07	2.50E-07
3633	482863.09, 3850877.25	8.05E-03	2.54E-06	3.36E-07	4.89E-03	1.54E-06	2.04E-07	1.50E-03	4.72E-07	6.23E-08	1.58E-03	5.00E-07	6.60E-08	3.39E-07	2.07E-07
3634	483363.09, 3850877.25	6.60E-03	2.08E-06	2.75E-07	4.00E-03	1.26E-06	1.67E-07	1.23E-03	3.87E-07	5.11E-08	1.30E-03	4.10E-07	5.41E-08	2.78E-07	1.70E-07
3635	483863.09, 3850877.25	6.10E-03	1.93E-06	2.54E-07	3.69E-03	1.16E-06	1.54E-07	1.12E-03	3.52E-07	4.65E-08	1.19E-03	3.74E-07	4.94E-08	2.57E-07	1.57E-07
3636	484363.09, 3850877.25	6.18E-03	1.95E-06	2.57E-07	3.72E-03	1.17E-06	1.55E-07	1.10E-03	3.46E-07	4.57E-08	1.17E-03	3.68E-07	4.86E-08	2.60E-07	1.58E-07
3637	484863.09, 3850877.25	5.95E-03	1.88E-06	2.48E-07	3.56E-03	1.12E-06	1.48E-07	1.02E-03	3.23E-07	4.27E-08	1.09E-03	3.44E-07	4.54E-08	2.51E-07	1.51E-07
3638	485363.09, 3850877.25	5.83E-03	1.84E-06	2.43E-07	3.47E-03	1.09E-06	1.44E-07	9.76E-04	3.08E-07	4.07E-08	1.04E-03	3.28E-07	4.33E-08	2.45E-07	1.47E-07
3639	485863.09, 3850877.25	5.40E-03	1.70E-06	2.25E-07	3.20E-03	1.01E-06	1.33E-07	8.80E-04	2.78E-07	3.67E-08	9.37E-04	2.96E-07	3.90E-08	2.27E-07	1.36E-07
3640	486363.09, 3850877.25	5.35E-03	1.69E-06	2.23E-07	3.15E-03	9.94E-07	1.31E-07	8.49E-04	2.68E-07	3.54E-08	9.03E-04	2.85E-07	3.76E-08	2.25E-07	1.33E-07
3641	486863.09, 3850877.25	5.14E-03	1.62E-06	2.14E-07	3.02E-03	9.53E-07	1.26E-07	8.02E-04	2.53E-07	3.34E-08	8.52E-04	2.69E-07	3.55E-08	2.16E-07	1.28E-07
3642	487363.09, 3850877.25	4.89E-03	1.54E-06	2.04E-07	2.87E-03	9.04E-07	1.19E-07	7.49E-04	2.36E-07	3.12E-08	7.97E-04	2.51E-07	3.32E-08	2.06E-07	1.21E-07
3643	487863.09, 3850877.25	4.77E-03	1.50E-06	1.99E-07	2.78E-03	8.77E-07	1.16E-07	7.11E-04	2.24E-07	2.96E-08	7.57E-04	2.39E-07	3.16E-08	2.01E-07	1.18E-07
3644	488363.09, 3850877.25	4.74E-03	1.50E-06	1.97E-07	2.75E-03	8.66E-07	1.14E-07	6.78E-04	2.14E-07	2.83E-08	7.25E-04	2.29E-07	3.02E-08	1.99E-07	1.16E-07
3645	488863.09, 3850877.25	4.68E-03	1.48E-06	1.95E-07	2.70E-03	8.51E-07	1.12E-07	6.45E-04	2.04E-07	2.69E-08	6.89E-04	2.17E-07	2.87E-08	1.97E-07	1.14E-07
3646	489363.09, 3850877.25	4.65E-03	1.47E-06	1.94E-07	2.66E-03	8.40E-07	1.11E-07	6.17E-04	1.95E-07	2.57E-08	6.59E-04	2.08E-07	2.75E-08	1.95E-07	1.13E-07
3647	489863.09, 3850877.25	4.60E-03	1.45E-06	1.92E-07	2.62E-03	8.25E-07	1.09E-07	5.84E-04	1.84E-07	2.43E-08	6.27E-04	1.98E-07	2.61E-08	1.93E-07	1.11E-07
3648	490363.09, 3850877.25	4.57E-03	1.44E-06	1.90E-07	2.58E-03	8.15E-07	1.08E-07	5.59E-04	1.77E-07	2.33E-08	5.99E-04	1.89E-07	2.50E-08	1.92E-07	1.09E-07
3649	490863.09, 3850877.25	4.52E-03	1.43E-06	1.88E-07	2.54E-03	8.02E-07	1.06E-07	5.33E-04	1.68E-07	2.22E-08	5.73E-04	1.81E-07	2.39E-08	1.90E-07	1.08E-07
3650	491363.09, 3850877.25	4.41E-03	1.39E-06	1.84E-07	2.47E-03	7.80E-07	1.03E-07	5.03E-04	1.59E-07	2.09E-08	5.40E-04	1.71E-07	2.25E-08	1.85E-07	1.05E-07
3651	491863.09, 3850877.25	4.30E-03	1.36E-06	1.79E-07	2.40E-03	7.57E-07	9.99E-08	4.72E-04	1.49E-07	1.96E-08	5.08E-04	1.60E-07	2.11E-08	1.81E-07	1.01E-07
3652	492363.09, 3850877.25	4.23E-03	1.33E-06	1.76E-07	2.34E-03	7.40E-07	9.77E-08	4.43E-04	1.40E-07	1.85E-08	4.78E-04	1.51E-07	1.99E-08	1.78E-07	9.91E-08
3653	492863.09, 3850877.25	4.16E-03	1.31E-06	1.73E-07	2.30E-03	7.26E-07	9.58E-08	4.23E-04	1.33E-07	1.76E-08	4.55E-04	1.44E-07	1.90E-08	1.75E-07	9.72E-08
3654	493363.09, 3850877.25	4.18E-03	1.32E-06	1.74E-07	2.30E-03	7.25E-07	9.57E-08	4.09E-04	1.29E-07	1.70E-08	4.41E-04	1.39E-07	1.84E-08	1.75E-07	9.70E-08
3655	493863.09, 3850877.25	4.35E-03	1.37E-06	1.81E-07	2.38E-03	7.52E-07	9.92E-08	4.12E-04	1.30E-07	1.72E-08	4.46E-04	1.41E-07	1.86E-08	1.82E-07	1.01E-07
3656	494363.09, 3850877.25	4.45E-03	1.40E-06	1.85E-07	2.43E-03	7.66E-07	1.01E-07	4.06E-04	1.28E-07	1.69E-08	4.39E-04	1.39E-07	1.83E-08	1.87E-07	1.03E-07
3657	494863.09, 3850877.25	4.68E-03	1.48E-06	1.95E-07	2.54E-03	8.02E-07	1.06E-07	4.10E-04	1.30E-07	1.71E-08	4.46E-04	1.41E-07	1.86E-08	1.96E-07	1.07E-07
3658	495363.09, 3850877.25	4.88E-03	1.54E-06	2.03E-07	2.64E-03	8.35E-07	1.10E-07	4.18E-04	1.32E-07	1.74E-08	4.54E-04	1.43E-07	1.89E-08	2.05E-07	1.12E-07
3659	495863.09, 3850877.25	4.92E-03	1.55E-06	2.05E-07	2.66E-03	8.40E-07	1.11E-07	4.10E-04	1.30E-07	1.71E-08	4.46E-04	1.41E-07	1.86E-08	2.07E-07	1.12E-07
3660	496363.09, 3850877.25	5.03E-03	1.59E-06	2.10E-07	2.71E-03	8.56E-07	1.13E-07	4.09E-04	1.29E-07	1.70E-08	4.44E-04	1.40E-07	1.85E-08	2.11E-07	1.15E-07
3661	496863.09, 3850877.25	5.21E-03	1.64E-06	2.17E-07	2.80E-03	8.84E-07	1.17E-07	4.14E-04	1.31E-07	1.72E-08	4.51E-04	1.42E-07	1.88E-08	2.18E-07	1.18E-07
3662	497363.09, 3850877.25	5.21E-03	1.64E-06	2.17E-07	2.80E-03	8.83E-07	1.17E-07	4.04E-04	1.28E-07	1.68E-08	4.42E-04	1.40E-07	1.84E-08	2.19E-07	1.18E-07

3663 497863.09, 3850877.25	5.14E-03	1.62E-06	2.14E-07	2.76E-03	8.70E-07	1.15E-07	3.93E-04	1.24E-07	1.64E-08	4.29E-04	1.35E-07	1.79E-08	2.16E-07	1.16E-07
3664 498363.09, 3850877.25	5.09E-03	1.61E-06	2.12E-07	2.72E-03	8.60E-07	1.14E-07	3.82E-04	1.21E-07	1.59E-08	4.16E-04	1.31E-07	1.73E-08	2.13E-07	1.15E-07
3665 471363.09, 3851377.25	2.72E-03	8.60E-07	1.13E-07	1.52E-03	4.80E-07	6.34E-08	3.02E-04	9.54E-08	1.26E-08	3.22E-04	1.01E-07	1.34E-08	1.14E-07	6.42E-08
3666 471863.09, 3851377.25	2.90E-03	9.14E-07	1.21E-07	1.64E-03	5.16E-07	6.82E-08	3.51E-04	1.11E-07	1.46E-08	3.74E-04	1.18E-07	1.56E-08	1.22E-07	6.91E-08
3667 472363.09, 3851377.25	2.97E-03	9.36E-07	1.24E-07	1.68E-03	5.30E-07	6.99E-08	3.63E-04	1.15E-07	1.51E-08	3.85E-04	1.22E-07	1.60E-08	1.25E-07	7.08E-08
3668 472863.09, 3851377.25	3.03E-03	9.56E-07	1.26E-07	1.72E-03	5.42E-07	7.16E-08	3.79E-04	1.20E-07	1.58E-08	4.02E-04	1.27E-07	1.67E-08	1.27E-07	7.25E-08
3669 473363.09, 3851377.25	3.02E-03	9.55E-07	1.26E-07	1.71E-03	5.39E-07	7.12E-08	3.65E-04	1.15E-07	1.52E-08	3.87E-04	1.22E-07	1.61E-08	1.27E-07	7.21E-08
3670 473863.09, 3851377.25	3.15E-03	9.95E-07	1.31E-07	1.79E-03	5.64E-07	7.44E-08	3.90E-04	1.23E-07	1.63E-08	4.15E-04	1.31E-07	1.73E-08	1.32E-07	7.55E-08
3671 474363.09, 3851377.25	3.37E-03	1.06E-06	1.40E-07	1.94E-03	6.13E-07	8.09E-08	4.65E-04	1.47E-07	1.94E-08	4.93E-04	1.56E-07	2.05E-08	1.42E-07	8.20E-08
3672 474863.09, 3851377.25	3.56E-03	1.12E-06	1.48E-07	2.08E-03	6.56E-07	8.65E-08	5.31E-04	1.68E-07	2.21E-08	5.62E-04	1.77E-07	2.34E-08	1.50E-07	8.78E-08
3673 475363.09, 3851377.25	3.71E-03	1.17E-06	1.55E-07	2.18E-03	6.89E-07	9.09E-08	5.83E-04	1.84E-07	2.43E-08	6.15E-04	1.94E-07	2.56E-08	1.56E-07	9.23E-08
3674 475863.09, 3851377.25	3.88E-03	1.22E-06	1.62E-07	2.30E-03	7.25E-07	9.56E-08	6.31E-04	1.99E-07	2.63E-08	6.68E-04	2.11E-07	2.78E-08	1.63E-07	9.72E-08
3675 476363.09, 3851377.25	4.15E-03	1.31E-06	1.73E-07	2.46E-03	7.78E-07	1.03E-07	6.91E-04	2.18E-07	2.88E-08	7.31E-04	2.31E-07	3.05E-08	1.74E-07	1.04E-07
3676 476863.09, 3851377.25	4.41E-03	1.39E-06	1.84E-07	2.64E-03	8.33E-07	1.10E-07	7.60E-04	2.40E-07	3.17E-08	8.00E-04	2.52E-07	3.33E-08	1.85E-07	1.12E-07
3677 477363.09, 3851377.25	4.63E-03	1.46E-06	1.93E-07	2.79E-03	8.82E-07	1.16E-07	8.35E-04	2.64E-07	3.48E-08	8.81E-04	2.78E-07	3.67E-08	1.95E-07	1.18E-07
3678 477863.09, 3851377.25	4.96E-03	1.56E-06	2.07E-07	3.02E-03	9.54E-07	1.26E-07	9.41E-04	2.97E-07	3.92E-08	9.99E-04	3.15E-07	4.16E-08	2.09E-07	1.28E-07
3679 478363.09, 3851377.25	5.40E-03	1.71E-06	2.25E-07	3.33E-03	1.05E-06	1.39E-07	1.09E-03	3.44E-07	4.54E-08	1.16E-03	3.66E-07	4.84E-08	2.28E-07	1.42E-07
3680 478863.09, 3851377.25	6.03E-03	1.90E-06	2.51E-07	3.79E-03	1.20E-06	1.58E-07	1.32E-03	4.17E-07	5.50E-08	1.40E-03	4.42E-07	5.83E-08	2.55E-07	1.61E-07
3681 479363.09, 3851377.25	7.01E-03	2.21E-06	2.92E-07	4.51E-03	1.42E-06	1.88E-07	1.71E-03	5.38E-07	7.11E-08	1.81E-03	5.70E-07	7.52E-08	2.96E-07	1.92E-07
3682 479863.09, 3851377.25	9.13E-03	2.88E-06	3.80E-07	6.06E-03	1.91E-06	2.52E-07	2.50E-03	7.88E-07	1.04E-07	2.65E-03	8.37E-07	1.11E-07	3.87E-07	2.59E-07
3683 480363.09, 3851377.25	1.70E-02	5.37E-06	7.09E-07	1.18E-02	3.72E-06	4.91E-07	5.43E-03	1.71E-06	2.26E-07	5.74E-03	1.81E-06	2.39E-07	7.22E-07	5.04E-07
3684 480863.09, 3851377.25	1.32E-01	4.16E-05	5.49E-06	9.51E-02	3.00E-05	3.96E-06	4.79E-02	1.51E-05	1.99E-06	5.09E-02	1.61E-05	2.12E-06	5.62E-06	4.09E-06
3685 481363.09, 3851377.25	3.04E-02	9.58E-06	1.26E-06	2.04E-02	6.45E-06	8.51E-07	8.76E-03	2.76E-06	3.65E-07	9.24E-03	2.92E-06	3.85E-07	1.29E-06	8.71E-07
3686 481863.09, 3851377.25	1.72E-02	5.44E-06	7.18E-07	1.11E-02	3.51E-06	4.63E-07	4.23E-03	1.33E-06	1.76E-07	4.47E-03	1.41E-06	1.86E-07	7.28E-07	4.73E-07
3687 482363.09, 3851377.25	1.30E-02	4.09E-06	5.40E-07	8.09E-03	2.55E-06	3.37E-07	2.76E-03	8.72E-07	1.15E-07	2.91E-03	9.19E-07	1.21E-07	5.46E-07	3.43E-07
3688 482863.09, 3851377.25	1.01E-02	3.19E-06	4.21E-07	6.14E-03	1.94E-06	2.56E-07	1.90E-03	6.01E-07	7.94E-08	2.02E-03	6.38E-07	8.42E-08	4.25E-07	2.61E-07
3689 483363.09, 3851377.25	8.01E-03	2.53E-06	3.34E-07	4.84E-03	1.53E-06	2.02E-07	1.46E-03	4.60E-07	6.07E-08	1.55E-03	4.88E-07	6.45E-08	3.37E-07	2.05E-07
3690 483863.09, 3851377.25	7.03E-03	2.22E-06	2.93E-07	4.23E-03	1.33E-06	1.76E-07	1.24E-03	3.93E-07	5.18E-08	1.32E-03	4.18E-07	5.52E-08	2.96E-07	1.79E-07
3691 484363.09, 3851377.25	7.16E-03	2.26E-06	2.98E-07	4.28E-03	1.35E-06	1.78E-07	1.23E-03	3.90E-07	5.14E-08	1.32E-03	4.16E-07	5.49E-08	3.02E-07	1.82E-07
3692 484863.09, 3851377.25	6.24E-03	1.97E-06	2.60E-07	3.70E-03	1.17E-06	1.54E-07	1.03E-03	3.25E-07	4.29E-08	1.10E-03	3.46E-07	4.56E-08	2.63E-07	1.57E-07
3693 485363.09, 3851377.25	6.56E-03	2.07E-06	2.73E-07	3.87E-03	1.22E-06	1.61E-07	1.05E-03	3.31E-07	4.37E-08	1.12E-03	3.54E-07	4.67E-08	2.76E-07	1.64E-07
3694 485863.09, 3851377.25	6.14E-03	1.94E-06	2.56E-07	3.59E-03	1.13E-06	1.50E-07	9.32E-04	2.94E-07	3.88E-08	9.96E-04	3.14E-07	4.15E-08	2.58E-07	1.52E-07
3695 486363.09, 3851377.25	6.16E-03	1.94E-06	2.57E-07	3.58E-03	1.13E-06	1.49E-07	9.02E-04	2.85E-07	3.76E-08	9.65E-04	3.04E-07	4.02E-08	2.59E-07	1.52E-07
3696 486863.09, 3851377.25	5.88E-03	1.86E-06	2.45E-07	3.40E-03	1.07E-06	1.42E-07	8.40E-04	2.65E-07	3.50E-08	8.98E-04	2.83E-07	3.74E-08	2.47E-07	1.44E-07
3697 487363.09, 3851377.25	5.40E-03	1.70E-06	2.25E-07	3.11E-03	9.83E-07	1.30E-07	7.55E-04	2.38E-07	3.15E-08	8.08E-04	2.55E-07	3.37E-08	2.27E-07	1.32E-07
3698 487863.09, 3851377.25	5.47E-03	1.73E-06	2.28E-07	3.14E-03	9.91E-07	1.31E-07	7.36E-04	2.32E-07	3.07E-08	7.90E-04	2.49E-07	3.29E-08	2.30E-07	1.33E-07
3699 488363.09, 3851377.25	5.47E-03	1.73E-06	2.28E-07	3.12E-03	9.85E-07	1.30E-07	7.05E-04	2.22E-07	2.94E-08	7.56E-04	2.39E-07	3.15E-08	2.30E-07	1.32E-07
3700 488863.09, 3851377.25	5.44E-03	1.72E-06	2.27E-07	3.08E-03	9.72E-07	1.28E-07	6.69E-04	2.11E-07	2.79E-08	7.20E-04	2.27E-07	3.00E-08	2.29E-07	1.30E-07
3701 489363.09, 3851377.25	5.39E-03	1.70E-06	2.25E-07	3.04E-03	9.58E-07	1.26E-07	6.38E-04	2.01E-07	2.66E-08	6.87E-04	2.17E-07	2.86E-08	2.27E-07	1.29E-07
3702 489863.09, 3851377.25	5.33E-03	1.68E-06	2.22E-07	2.98E-03	9.41E-07	1.24E-07	6.05E-04	1.91E-07	2.52E-08	6.53E-04	2.06E-07	2.72E-08	2.24E-07	1.26E-07
3703 490363.09, 3851377.25	5.29E-03	1.67E-06	2.20E-07	2.95E-03	9.30E-07	1.23E-07	5.76E-04	1.82E-07	2.40E-08	6.24E-04	1.97E-07	2.60E-08	2.22E-07	1.25E-07
3704 490863.09, 3851377.25	5.23E-03	1.65E-06	2.18E-07	2.90E-03	9.14E-07	1.21E-07	5.48E-04	1.73E-07	2.28E-08	5.94E-04	1.88E-07	2.48E-08	2.20E-07	1.23E-07
3705 491363.09, 3851377.25	5.10E-03	1.61E-06	2.13E-07	2.82E-03	8.89E-07	1.17E-07	5.17E-04	1.63E-07	2.15E-08	5.63E-04	1.78E-07	2.35E-08	2.15E-07	1.19E-07
3706 491863.09, 3851377.25	5.00E-03	1.58E-06	2.08E-07	2.75E-03	8.68E-07	1.15E-07	4.90E-04	1.55E-07	2.04E-08	5.34E-04	1.68E-07	2.22E-08	2.10E-07	1.16E-07
3707 492363.09, 3851377.25	4.98E-03	1.57E-06	2.07E-07	2.73E-03	8.61E-07	1.14E-07	4.70E-04	1.48E-07	1.96E-08	5.11E-04	1.61E-07	2.13E-08	2.09E-07	1.15E-07
3708 492863.09, 3851377.25	4.93E-03	1.56E-06	2.05E-07	2.69E-03	8.48E-07	1.12E-07	4.46E-04	1.41E-07	1.86E-08	4.86E-04	1.54E-07	2.03E-08	2.07E-07	1.14E-07
3709 493363.09, 3851377.25	4.65E-03	1.47E-06	1.94E-07	2.53E-03	7.98E-07	1.05E-07	4.10E-04	1.30E-07	1.71E-08	4.46E-04	1.41E-07	1.86E-08	1.95E-07	1.07E-07
3710 493863.09, 3851377.25	4.83E-03	1.53E-06	2.01E-07	2.62E-03	8.27E-07	1.09E-07	4.14E-04	1.31E-07	1.72E-08	4.51E-04	1.42E-07	1.88E-08	2.03E-07	1.11E-07
3711 494363.09, 3851377.25	5.26E-03	1.66E-06	2.19E-07	2.84E-03	8.96E-07	1.18E-07	4.34E-04	1.37E-07	1.81E-08	4.73E-04	1.49E-07	1.97E-08	2.21E-07	1.20E-07
3712 494863.09, 3851377.25	5.35E-03	1.69E-06	2.23E-07	2.88E-03	9.08E-07	1.20E-07	4.28E-04	1.35E-07	1.78E-08	4.68E-04	1.48E-07	1.95E-08	2.24E-07	1.22E-07
3713 495363.09, 3851377.25	5.74E-03	1.81E-06	2.39E-07	3.08E-03	9.72E-07	1.28E-07	4.43E-04	1.40E-07	1.85E-08	4.88E-04	1.54E-07	2.03E-08	2.41E-07	1.30E-07
3714 495863.09, 3851377.25	5.86E-03	1.85E-06	2.44E-07	3.14E-03	9.90E-07	1.31E-07	4.40E-04	1.39E-07	1.83E-08	4.85E-04	1.53E-07	2.02E-08	2.46E-07	1.32E-07
3715 496363.09, 3851377.25	5.91E-03	1.86E-06	2.46E-07	3.16E-03	9.96E-07	1.31E-07	4.34E-04	1.37E-07	1.81E-08	4.78E-04	1.51E-07	1.99E-08	2.48E-07	1.33E-07
3716 496863.09, 3851377.25	5.90E-03	1.86E-06	2.46E-07	3.15E-03	9.93E-07	1.31E-07	4.26E-04	1.34E-07	1.78E-08	4.68E-04	1.48E-07	1.95E-08	2.48E-07	1.33E-07
3717 497363.09, 3851377.25	5.85E-03	1.85E-06	2.44E-07	3.12E-03	9.84E-07	1.30E-07	4.17E-04	1.32E-07	1.74E-08	4.59E-04	1.45E-07	1.91E-08	2.46E-07	1.32E-07
3718 497863.09, 3851377.25	5.76E-03	1.82E-06	2.40E-07	3.06E-03	9.67E-07	1.28E-07	4.06E-04	1.28E-07	1.69E-08	4.47E-04	1.41E-07	1.86E-08	2.42E-07	1.29E-07
3719 498363.09, 3851377.25	5.60E-03	1.77E-06	2.33E-07	2.98E-03	9.39E-07	1.24E-07	3.88E-04	1.23E-07	1.62E-08	4.26E-04	1.34E-07	1.77E-08	2.35E-07	1.26E-07
3720 471363.09, 3851877.25	2.87E-03	9.05E-07	1.19E-07	1.59E-03	5.01E-07	6.61E-08	2.96E-04	9.34E-08	1.23E-08	3.13E-04	9.89E-08	1.31E-08	1.20E-07	6.68E-08
3721 471863.09, 3851877.25	2.91E-03	9.19E-07	1.21E-07	1.61E-03	5.08E-07	6.70E-08	2.98E-04	9.39E-08	1.24E-08	3.17E-04	9.99E-08	1.32E-08	1.22E-07	6.78E-08
3722 472363.09, 3851877.25	3.03E-03	9.56E-07	1.26E-07	1.68E-03	5.31E-07	7.01E-08	3.24E-04	1.02E-07	1.35E-08	3.46E-04	1.09E-07	1.44E-08	1.27E-07	7.10E-08
3723 472863.09, 3851877.25	3.14E-03	9.92E-07	1.31E-07	1.76E-03	5.54E-07	7.31E-08	3.49E-04	1.10E-07	1.46E-08	3.72E-04	1.17E-07	1.55E-08	1.32E-07	7.41E-08
3724 473363.09, 3851877.25	3.17E-03	1.00E-06	1.32E-07	1.76E-03	5.57E-07	7.35E-08	3.40E-04	1.07E-07	1.42E-08	3.62E-04	1.14E-07	1.51E-08	1.33E-07	7.44E-08
3725 473863.09, 3851877.25	3.24E-03	1.02E-06	1.35E-07	1.80E-03	5.68E-07	7.50E-08	3.48E-04	1.10E-07	1.45E-08	3.72E-04	1.17E-07	1.55E-08	1.36E-07	7.60E-08
3726 474363.09, 3851877.25	3.41E-03	1.08E-06	1.42E-07	1.91E-03	6.04E-07	7.97E-08	3.95E-04	1.25E-07	1.64E-08	4.21E-04	1.33E-07	1.75E-08	1.43E-07	8.08E-08
3727 474863.09, 3851877.25	3.60E-03	1.14E-06	1.50E-07	2.04E-03	6.45E-07	8.51E-08	4.50E-04	1.42E-07	1.87E-08	4.78E-04	1.51E-07	1.99E-08	1.51E-07	8.63E-08
3728 475363.09, 3851877.25	3.76E-03	1.19E-06	1.57E-07	2.15E-03	6.79E-07	8.96E-08	4.92E-04	1.55E-07	2.05E-08	5.22E-04	1.65E-07	2.18E-08	1.58E-07	9.08E-08
3729 475863.09, 3851877.25	3.96E-03	1.25E-06	1.65E-07	2.27E-03	7.17E-07	9.46E-08	5.36E-04	1.69E-07	2.23E-08	5.66E-04	1.79E-07	2.36E-08	1.66E-07	9.59E-08
3730 476363.09, 3851877.25	4.15E-03	1.31E-06	1.73E-07	2.38E-03	7.51E-07	9.91E-08	5.59E-04	1.77E-07	2.33E-08	5.93E-04	1.87E-07	2.47E-08	1.74E-07	1.01E-07
3731 476863.09, 3851877.25	4.36E-03	1.38E-06	1.82E-07	2.52E-03	7.95E-07	1.05E-07	6.17E-04	1.95E-07	2.57E-08	6.55E-04	2.07E-07	2.73E-08	1.83E-07	1.06E-07
3732 477363.09, 3851877.25	4.57E-03	1.44E-06	1.90E-07	2.66E-03	8.40E-07	1.11E-07	6.77E-04	2.14E-07	2.82E-08	7.18E-04	2.27E-07	2.99E-08	1.92E-07	1.13E-07
3733 477863.09, 3851877.25	4.81E-03	1.52E-06	2.00E-07	2.82E-03	8.89E-07	1.17E-07	7.43E-04	2.34E-07	3.09E-08	7.87E-04	2.48E-07	3.28E-08	2.02E-07	1.19E-07
3734 478363.09, 3851877.25	5.08E-03	1.60E-06	2.12E-07	3.00E-03	9.45E-07	1.25E-07	8.08E-04	2.55E-07	3.37E-08	8.59E-04	2.71E-07	3.58E-08	2.14E-07	1.27E-07
3735 478863.09, 3851877.25	5.34E-03	1.69E-06	2.23E-07	3.20E-03	1.01E-06	1.33E-07	9.27E-04	2.93E-07	3.86E-08	9.91E-04	3.13E-07	4.13E-08	2.25E-07	1.36E-07
3736 479363.09, 3851877.25	5.68E-03	1.79E-06	2.37E-07	3.47E-03	1.10E-06	1.45E-07	1.10E-03	3.46E-07	4.57E-08	1.17E-03	3.68E-07	4.86E-08	2.40E-07	1.48E-07
3737 479863.09, 3851877.25	6.28E-03	1.98E-06	2.61E-07	3.92E-03	1.24E-06	1.63E-07	1.33E-03	4.21E-07	5.56E-08	1.41E-03	4.46E-07	5.89E-08	2.65E-07	1.66E-07
3738 480363.09, 3851877.25	7.44E-03	2.35E-06	3.10E-07	4.74E-03	1.50E-06	1.98E-07	1.74E-03	5.49E-07	7.25E-08	1.85E-03	5.83E-07	7.69E-08	3.14E-07	2.02E-07
3739 480863.09, 3851877.25	9.93E-03	3.13E-06	4.14E-07	6.59E-03	2.08E-06	2.74E-07	2.72E-03	8.59E-07	1.13E-07	2.87E-03	9.05E-07	1.19E-07	4.20E-07	2.81E-07
3740 481363.09, 3851877.25	3.29E-02	1.04E-05	1.37E-06	2.39E-02	7.55E-06	9.96E-07	1.22E-02	3.86E-06	5.09E-07	1.29E-02	4.08E-06	5.38E-07	1.40E-06	1.03E-06
3741 481863.09, 3851877.25	2.60E-02	8.21E-06	1.08E-06	1.81E-02	5.72E-06	7.55E-07	8.45E-03	2.67E-06	3.52E-07	8.87E-03	2.80E-06	3.69E-07	1.10E-06	7.72E-07
3742 482363.09, 3851877.25	1.52E-02	4.80E-06	6.33E-07	9.56E-03	3.02E-06	3.98E-07	3.36E-03	1.06E-06	1.40E-07	3.54E-03	1.12E-06	1.47E-07	6.41E-07	4.06E-07
3743 482863.09, 3851877.25	1.10E-02	3.48E-06	4.59E-07	6.70E-03	2.11E-06	2.79E-07	2.07E-03	6.54E-07	8.63E-08	2.20E-03	6.95E-07	9.17E-08	4.64E-07	2.85E-07
3744 483363.09, 3851877.25	9.60E-03	3.03E-06	4.00E-07	5.79E-03	1.83E-06	2.41E-07	1.73E-03	5.45E-07	7.19E-08	1.84E-03	5.82E-07	7.68E-08	4.05E-07	2.46E-07
3745 483863.09, 3851877.25	8.54E-03	2.69E-06	3.56E-07	5.09E-03	1.61E-06	2.12E-07	1.45E-03	4.57E-07	6.03E-08	1.55E-03	4.90E-07	6.47E-08	3.60E-07	2.16E-07
3746 484363.09, 3851877.25	8.18E-03	2.58E-06	3.41E-07	4.85E-03	1.53E-06	2.02E-07	1.35E-03	4.25E-07	5.61E-08	1.45E-03	4.57E-07	6.03E-08	3.45E-07	2.06E-07
3747 484863.09, 3851877.25	7.65E-03	2.41E-06	3.19E-07	4.49E-03	1.42E-06	1.87E-07	1.19E-03	3.74E-07	4.94E-08	1.27E-03	4.02E-07	5.30E-08	3.22E-07	1.91E-07
3748 485363.09, 3851877.25	7.48E-03	2.36E-06	3.12E-07	4.35E-03	1.37E-06	1.81E-07	1.10E-03	3.48E-07	4.59E-08	1.19E-03	3.75E-07	4.94E-08	3.15E-07	1.85E-07
3749 485863.09, 3851877.25	7.37E-03	2.33E-06	3.07E-07	4.25E-03	1.34E-06	1.77E-07	1.03E-03	3.24E-07	4.27E-08	1.11E-03	3.50E-07	4.62E-08	3.10E-07	1.80E-07
3750 486363.09, 3851877.25	7.04E-03	2.22E-06	2.93E-07	4.02E-03	1.27E-06	1.68E-07	9.23E-04	2.91E-07	3.84E-08	9.96E-04	3.14E-07	4.15E-08	2.96E-07	1.71E-07
3751 486863.09, 3851877.25	6.81E-03	2.15E-06	2.84E-07	3.87E-03	1.22E-06	1.61E-07	8.63E-04	2.72E-07	3.60E-08	9.32E-04	2.94E-07	3.88E-08	2.86E-07	1.64E-07
3752 487363.09, 3851877.25	6.58E-03	2.08E-06	2.74E-07	3.73E-03	1.18E-06	1.55E-07	8.10E-04	2.56E-07	3.37E-08	8.77E-04	2.77E-07	3.65E-08	2.77E-07	1.58E-07
3753 487863.09, 3851877.25	6.19E-03	1.95E-06	2.58E-07	3.49E-03	1.10E-06	1.45E-07	7.35E-04	2.32E-07	3.06E-08	7.93E-04	2.50E-07	3.30E-08	2.60E-07	1.48E-07
3754 488363.09, 3851877.25	6.18E-03	1.95E-06	2.58E-07	3.46E-03	1.09E-06	1.44E-07	6.99E-04	2.21E-07	2.91E-08	7.57E-04	2.39E-07	3.16E-08	2.60E-07	1.47E-07
3755 488863.09, 3851877.25	6.00E-03	1.89E-06	2.50E-07	3.34E-03	1.05E-06	1.39E-07	6.52E-04	2.06E-07	2.71E-08	7.08E-04	2.24E-07	2.95E-08	2.52E-07	1.42E-07
3756 489363.09, 3851877.25	5.86E-03	1.85E-06	2.44E-07	3.24E-03	1.02E-06	1.35E-07	6.11E-04	1.93E-07	2.55E-08	6.66E-04	2.10E-07	2.77E-08	2.46E-07	1.37E-07

3757 489863.09, 3851877.25	5.79E-03	1.83E-06	2.41E-07	3.19E-03	1.01E-06	1.33E-07	5.80E-04	1.83E-07	2.41E-08	6.32E-04	1.99E-07	2.63E-08	2.43E-07	1.35E-07
3758 490363.09, 3851877.25	5.82E-03	1.84E-06	2.42E-07	3.19E-03	1.01E-06	1.33E-07	5.58E-04	1.76E-07	2.32E-08	6.10E-04	1.93E-07	2.54E-08	2.44E-07	1.35E-07
3759 490863.09, 3851877.25	5.89E-03	1.86E-06	2.45E-07	3.22E-03	1.01E-06	1.34E-07	5.40E-04	1.71E-07	2.25E-08	5.94E-04	1.88E-07	2.48E-08	2.48E-07	1.36E-07
3760 491363.09, 3851877.25	5.97E-03	1.88E-06	2.49E-07	3.25E-03	1.02E-06	1.35E-07	5.28E-04	1.67E-07	2.20E-08	5.83E-04	1.84E-07	2.43E-08	2.51E-07	1.38E-07
3761 491863.09, 3851877.25	6.01E-03	1.90E-06	2.50E-07	3.26E-03	1.03E-06	1.36E-07	5.14E-04	1.62E-07	2.14E-08	5.66E-04	1.79E-07	2.36E-08	2.53E-07	1.38E-07
3762 492363.09, 3851877.25	5.89E-03	1.86E-06	2.45E-07	3.18E-03	1.00E-06	1.33E-07	4.89E-04	1.54E-07	2.04E-08	5.40E-04	1.71E-07	2.25E-08	2.48E-07	1.35E-07
3763 492863.09, 3851877.25	5.47E-03	1.73E-06	2.28E-07	2.95E-03	9.30E-07	1.23E-07	4.40E-04	1.39E-07	1.83E-08	4.85E-04	1.53E-07	2.02E-08	2.30E-07	1.25E-07
3764 493363.09, 3851877.25	5.94E-03	1.88E-06	2.48E-07	3.19E-03	1.01E-06	1.33E-07	4.64E-04	1.46E-07	1.93E-08	5.13E-04	1.62E-07	2.14E-08	2.50E-07	1.35E-07
3765 493863.09, 3851877.25	6.46E-03	2.04E-06	2.69E-07	3.46E-03	1.09E-06	1.44E-07	4.86E-04	1.53E-07	2.02E-08	5.39E-04	1.70E-07	2.24E-08	2.72E-07	1.46E-07
3766 494363.09, 3851877.25	6.33E-03	2.00E-06	2.64E-07	3.38E-03	1.07E-06	1.41E-07	4.65E-04	1.47E-07	1.94E-08	5.16E-04	1.63E-07	2.15E-08	2.66E-07	1.43E-07
3767 494863.09, 3851877.25	6.64E-03	2.10E-06	2.77E-07	3.54E-03	1.12E-06	1.47E-07	4.72E-04	1.49E-07	1.96E-08	5.26E-04	1.66E-07	2.19E-08	2.79E-07	1.50E-07
3768 495363.09, 3851877.25	6.81E-03	2.15E-06	2.84E-07	3.62E-03	1.14E-06	1.51E-07	4.72E-04	1.49E-07	1.96E-08	5.24E-04	1.65E-07	2.18E-08	2.86E-07	1.53E-07
3769 495863.09, 3851877.25	6.87E-03	2.17E-06	2.86E-07	3.65E-03	1.15E-06	1.52E-07	4.65E-04	1.47E-07	1.94E-08	5.19E-04	1.64E-07	2.16E-08	2.89E-07	1.54E-07
3770 496363.09, 3851877.25	6.79E-03	2.14E-06	2.83E-07	3.60E-03	1.14E-06	1.50E-07	4.54E-04	1.43E-07	1.89E-08	5.06E-04	1.60E-07	2.11E-08	2.85E-07	1.52E-07
3771 496863.09, 3851877.25	6.69E-03	2.11E-06	2.79E-07	3.54E-03	1.12E-06	1.47E-07	4.42E-04	1.39E-07	1.84E-08	4.91E-04	1.55E-07	2.05E-08	2.81E-07	1.50E-07
3772 497363.09, 3851877.25	6.55E-03	2.07E-06	2.73E-07	3.46E-03	1.09E-06	1.44E-07	4.29E-04	1.35E-07	1.79E-08	4.77E-04	1.50E-07	1.99E-08	2.75E-07	1.46E-07
3773 497863.09, 3851877.25	6.28E-03	1.98E-06	2.62E-07	3.32E-03	1.05E-06	1.38E-07	4.09E-04	1.29E-07	1.70E-08	4.52E-04	1.43E-07	1.88E-08	2.63E-07	1.40E-07
3774 498363.09, 3851877.25	6.05E-03	1.91E-06	2.52E-07	3.20E-03	1.01E-06	1.33E-07	3.92E-04	1.24E-07	1.63E-08	4.31E-04	1.36E-07	1.80E-08	2.54E-07	1.35E-07
3775 471363.09, 3852377.25	2.86E-03	9.04E-07	1.19E-07	1.56E-03	4.93E-07	6.51E-08	2.60E-04	8.21E-08	1.08E-08	2.74E-04	8.65E-08	1.14E-08	1.20E-07	6.56E-08
3776 471863.09, 3852377.25	3.00E-03	9.47E-07	1.25E-07	1.64E-03	5.19E-07	6.84E-08	2.82E-04	8.90E-08	1.17E-08	2.99E-04	9.43E-08	1.24E-08	1.26E-07	6.91E-08
3777 472363.09, 3852377.25	3.11E-03	9.80E-07	1.29E-07	1.70E-03	5.38E-07	7.10E-08	2.99E-04	9.44E-08	1.25E-08	3.15E-04	9.94E-08	1.31E-08	1.30E-07	7.17E-08
3778 472863.09, 3852377.25	3.21E-03	1.01E-06	1.34E-07	1.77E-03	5.57E-07	7.35E-08	3.15E-04	9.94E-08	1.31E-08	3.33E-04	1.05E-07	1.39E-08	1.34E-07	7.43E-08
3779 473363.09, 3852377.25	3.31E-03	1.04E-06	1.38E-07	1.82E-03	5.75E-07	7.59E-08	3.27E-04	1.03E-07	1.36E-08	3.46E-04	1.09E-07	1.44E-08	1.39E-07	7.67E-08
3780 473863.09, 3852377.25	3.40E-03	1.07E-06	1.42E-07	1.87E-03	5.90E-07	7.79E-08	3.34E-04	1.05E-07	1.39E-08	3.54E-04	1.12E-07	1.48E-08	1.42E-07	7.88E-08
3781 474363.09, 3852377.25	3.48E-03	1.10E-06	1.45E-07	1.91E-03	6.04E-07	7.97E-08	3.41E-04	1.08E-07	1.42E-08	3.64E-04	1.15E-07	1.52E-08	1.46E-07	8.07E-08
3782 474863.09, 3852377.25	3.72E-03	1.18E-06	1.55E-07	2.07E-03	6.54E-07	8.64E-08	4.04E-04	1.28E-07	1.68E-08	4.31E-04	1.36E-07	1.80E-08	1.56E-07	8.75E-08
3783 475363.09, 3852377.25	3.85E-03	1.22E-06	1.61E-07	2.15E-03	6.78E-07	8.94E-08	4.20E-04	1.33E-07	1.75E-08	4.51E-04	1.42E-07	1.88E-08	1.62E-07	9.07E-08
3784 475863.09, 3852377.25	3.99E-03	1.26E-06	1.66E-07	2.22E-03	7.02E-07	9.26E-08	4.37E-04	1.38E-07	1.82E-08	4.68E-04	1.48E-07	1.95E-08	1.67E-07	9.39E-08
3785 476363.09, 3852377.25	4.13E-03	1.30E-06	1.72E-07	2.30E-03	7.26E-07	9.58E-08	4.51E-04	1.42E-07	1.88E-08	4.83E-04	1.52E-07	2.01E-08	1.73E-07	9.72E-08
3786 476863.09, 3852377.25	4.33E-03	1.37E-06	1.80E-07	2.42E-03	7.65E-07	1.01E-07	4.92E-04	1.55E-07	2.05E-08	5.24E-04	1.65E-07	2.18E-08	1.82E-07	1.02E-07
3787 477363.09, 3852377.25	4.52E-03	1.43E-06	1.88E-07	2.53E-03	8.00E-07	1.06E-07	5.15E-04	1.63E-07	2.15E-08	5.47E-04	1.73E-07	2.28E-08	1.90E-07	1.07E-07
3788 477863.09, 3852377.25	4.56E-03	1.44E-06	1.90E-07	2.53E-03	8.00E-07	1.06E-07	4.86E-04	1.53E-07	2.02E-08	5.19E-04	1.64E-07	2.16E-08	1.91E-07	1.07E-07
3789 478363.09, 3852377.25	4.61E-03	1.46E-06	1.92E-07	2.55E-03	8.06E-07	1.06E-07	4.79E-04	1.51E-07	2.00E-08	5.14E-04	1.62E-07	2.14E-08	1.94E-07	1.08E-07
3790 478863.09, 3852377.25	5.07E-03	1.60E-06	2.11E-07	2.85E-03	8.98E-07	1.19E-07	5.87E-04	1.85E-07	2.45E-08	6.30E-04	1.99E-07	2.62E-08	2.13E-07	1.20E-07
3791 479363.09, 3852377.25	5.43E-03	1.71E-06	2.26E-07	3.08E-03	9.74E-07	1.29E-07	6.81E-04	2.15E-07	2.84E-08	7.33E-04	2.31E-07	3.05E-08	2.29E-07	1.31E-07
3792 479863.09, 3852377.25	5.85E-03	1.85E-06	2.44E-07	3.43E-03	1.08E-06	1.43E-07	8.99E-04	2.84E-07	3.75E-08	9.66E-04	3.05E-07	4.03E-08	2.46E-07	1.46E-07
3793 480363.09, 3852377.25	6.36E-03	2.01E-06	2.65E-07	3.85E-03	1.22E-06	1.60E-07	1.17E-03	3.68E-07	4.86E-08	1.24E-03	3.91E-07	5.16E-08	2.68E-07	1.63E-07
3794 480863.09, 3852377.25	7.33E-03	2.31E-06	3.06E-07	4.55E-03	1.44E-06	1.90E-07	1.52E-03	4.79E-07	6.32E-08	1.61E-03	5.09E-07	6.72E-08	3.09E-07	1.93E-07
3795 481363.09, 3852377.25	9.83E-03	3.10E-06	4.10E-07	6.39E-03	2.02E-06	2.66E-07	2.48E-03	7.82E-07	1.03E-07	2.62E-03	8.26E-07	1.09E-07	4.16E-07	2.72E-07
3796 481863.09, 3852377.25	3.79E-02	1.19E-05	1.58E-06	2.75E-02	8.69E-06	1.15E-06	1.41E-02	4.45E-06	5.88E-07	1.49E-02	4.72E-06	6.23E-07	1.61E-06	1.18E-06
3797 482363.09, 3852377.25	2.56E-02	8.07E-06	1.07E-06	1.75E-02	5.53E-06	7.30E-07	7.87E-03	2.48E-06	3.28E-07	8.25E-03	2.60E-06	3.44E-07	1.08E-06	7.46E-07
3798 482863.09, 3852377.25	1.48E-02	4.67E-06	6.17E-07	9.36E-03	2.95E-06	3.90E-07	3.33E-03	1.05E-06	1.39E-07	3.55E-03	1.12E-06	1.48E-07	6.26E-07	3.99E-07
3799 483363.09, 3852377.25	1.17E-02	3.70E-06	4.88E-07	7.02E-03	2.22E-06	2.93E-07	2.04E-03	6.45E-07	8.52E-08	2.20E-03	6.94E-07	9.16E-08	4.95E-07	2.99E-07
3800 483863.09, 3852377.25	1.00E-02	3.16E-06	4.17E-07	5.89E-03	1.86E-06	2.46E-07	1.57E-03	4.97E-07	6.56E-08	1.70E-03	5.36E-07	7.07E-08	4.23E-07	2.51E-07
3801 484363.09, 3852377.25	9.60E-03	3.03E-06	4.00E-07	5.60E-03	1.77E-06	2.33E-07	1.44E-03	4.54E-07	6.00E-08	1.56E-03	4.93E-07	6.50E-08	4.05E-07	2.38E-07
3802 484863.09, 3852377.25	9.28E-03	2.93E-06	3.87E-07	5.37E-03	1.69E-06	2.24E-07	1.32E-03	4.15E-07	5.48E-08	1.43E-03	4.52E-07	5.96E-08	3.91E-07	2.28E-07
3803 485363.09, 3852377.25	9.07E-03	2.86E-06	3.78E-07	5.20E-03	1.64E-06	2.16E-07	1.21E-03	3.82E-07	5.04E-08	1.32E-03	4.18E-07	5.52E-08	3.83E-07	2.21E-07
3804 485863.09, 3852377.25	8.81E-03	2.78E-06	3.67E-07	4.98E-03	1.57E-06	2.07E-07	1.07E-03	3.38E-07	4.46E-08	1.18E-03	3.71E-07	4.90E-08	3.71E-07	2.12E-07
3805 486363.09, 3852377.25	8.36E-03	2.64E-06	3.48E-07	4.68E-03	1.48E-06	1.95E-07	9.37E-04	2.96E-07	3.90E-08	1.03E-03	3.25E-07	4.28E-08	3.52E-07	1.99E-07
3806 486863.09, 3852377.25	8.06E-03	2.54E-06	3.36E-07	4.48E-03	1.41E-06	1.87E-07	8.63E-04	2.72E-07	3.60E-08	9.48E-04	2.99E-07	3.95E-08	3.39E-07	1.90E-07
3807 487363.09, 3852377.25	7.64E-03	2.41E-06	3.18E-07	4.23E-03	1.33E-06	1.76E-07	7.88E-04	2.49E-07	3.28E-08	8.67E-04	2.74E-07	3.61E-08	3.22E-07	1.79E-07
3808 487863.09, 3852377.25	7.26E-03	2.29E-06	3.02E-07	4.00E-03	1.26E-06	1.67E-07	7.22E-04	2.28E-07	3.01E-08	7.97E-04	2.51E-07	3.32E-08	3.05E-07	1.70E-07
3809 488363.09, 3852377.25	6.94E-03	2.19E-06	2.89E-07	3.81E-03	1.20E-06	1.59E-07	6.67E-04	2.11E-07	2.78E-08	7.38E-04	2.33E-07	3.07E-08	2.92E-07	1.62E-07
3810 488863.09, 3852377.25	6.63E-03	2.09E-06	2.76E-07	3.62E-03	1.14E-06	1.51E-07	6.14E-04	1.94E-07	2.56E-08	6.81E-04	2.15E-07	2.84E-08	2.79E-07	1.54E-07
3811 489363.09, 3852377.25	6.46E-03	2.04E-06	2.69E-07	3.52E-03	1.11E-06	1.46E-07	5.75E-04	1.81E-07	2.40E-08	6.38E-04	2.01E-07	2.66E-08	2.72E-07	1.49E-07
3812 489863.09, 3852377.25	6.14E-03	1.94E-06	2.56E-07	3.33E-03	1.05E-06	1.39E-07	5.31E-04	1.68E-07	2.21E-08	5.91E-04	1.86E-07	2.46E-08	2.58E-07	1.41E-07
3813 490363.09, 3852377.25	6.46E-03	2.04E-06	2.69E-07	3.49E-03	1.10E-06	1.45E-07	5.36E-04	1.69E-07	2.23E-08	5.97E-04	1.89E-07	2.49E-08	2.72E-07	1.48E-07
3814 490863.09, 3852377.25	6.69E-03	2.11E-06	2.79E-07	3.60E-03	1.14E-06	1.50E-07	5.33E-04	1.68E-07	2.22E-08	5.96E-04	1.88E-07	2.48E-08	2.81E-07	1.53E-07
3815 491363.09, 3852377.25	7.25E-03	2.29E-06	3.02E-07	3.89E-03	1.23E-06	1.62E-07	5.51E-04	1.74E-07	2.30E-08	6.20E-04	1.96E-07	2.58E-08	3.05E-07	1.65E-07
3816 491863.09, 3852377.25	7.33E-03	2.31E-06	3.05E-07	3.91E-03	1.24E-06	1.63E-07	5.39E-04	1.70E-07	2.25E-08	6.07E-04	1.92E-07	2.53E-08	3.08E-07	1.66E-07
3817 492363.09, 3852377.25	7.34E-03	2.32E-06	3.06E-07	3.91E-03	1.23E-06	1.63E-07	5.25E-04	1.66E-07	2.19E-08	5.91E-04	1.86E-07	2.46E-08	3.09E-07	1.66E-07
3818 492863.09, 3852377.25	7.53E-03	2.38E-06	3.14E-07	4.00E-03	1.26E-06	1.67E-07	5.22E-04	1.65E-07	2.17E-08	5.89E-04	1.86E-07	2.45E-08	3.17E-07	1.70E-07
3819 493363.09, 3852377.25	7.88E-03	2.49E-06	3.28E-07	4.18E-03	1.32E-06	1.74E-07	5.29E-04	1.67E-07	2.21E-08	6.01E-04	1.90E-07	2.50E-08	3.31E-07	1.77E-07
3820 493863.09, 3852377.25	7.81E-03	2.46E-06	3.25E-07	4.13E-03	1.30E-06	1.72E-07	5.14E-04	1.62E-07	2.14E-08	5.81E-04	1.83E-07	2.42E-08	3.28E-07	1.75E-07
3821 494363.09, 3852377.25	7.74E-03	2.44E-06	3.22E-07	4.09E-03	1.29E-06	1.70E-07	5.00E-04	1.58E-07	2.08E-08	5.65E-04	1.78E-07	2.35E-08	3.25E-07	1.73E-07
3822 494863.09, 3852377.25	7.91E-03	2.50E-06	3.29E-07	4.17E-03	1.32E-06	1.74E-07	5.00E-04	1.58E-07	2.08E-08	5.65E-04	1.78E-07	2.35E-08	3.32E-07	1.76E-07
3823 495363.09, 3852377.25	8.05E-03	2.54E-06	3.35E-07	4.24E-03	1.34E-06	1.77E-07	4.98E-04	1.57E-07	2.08E-08	5.65E-04	1.78E-07	2.35E-08	3.38E-07	1.79E-07
3824 495863.09, 3852377.25	7.85E-03	2.48E-06	3.27E-07	4.13E-03	1.30E-06	1.72E-07	4.82E-04	1.52E-07	2.01E-08	5.45E-04	1.72E-07	2.27E-08	3.30E-07	1.75E-07
3825 496363.09, 3852377.25	7.64E-03	2.41E-06	3.18E-07	4.02E-03	1.27E-06	1.68E-07	4.65E-04	1.47E-07	1.94E-08	5.24E-04	1.65E-07	2.18E-08	3.21E-07	1.70E-07
3826 496863.09, 3852377.25	7.48E-03	2.36E-06	3.12E-07	3.93E-03	1.24E-06	1.64E-07	4.53E-04	1.43E-07	1.89E-08	5.09E-04	1.61E-07	2.12E-08	3.14E-07	1.66E-07
3827 497363.09, 3852377.25	7.11E-03	2.24E-06	2.96E-07	3.74E-03	1.18E-06	1.56E-07	4.31E-04	1.36E-07	1.79E-08	4.82E-04	1.52E-07	2.01E-08	2.98E-07	1.58E-07
3828 497863.09, 3852377.25	6.70E-03	2.11E-06	2.79E-07	3.52E-03	1.11E-06	1.47E-07	4.06E-04	1.28E-07	1.69E-08	4.51E-04	1.42E-07	1.88E-08	2.81E-07	1.49E-07
3829 498363.09, 3852377.25	6.35E-03	2.00E-06	2.64E-07	3.34E-03	1.05E-06	1.39E-07	3.85E-04	1.22E-07	1.61E-08	4.24E-04	1.34E-07	1.77E-08	2.66E-07	1.41E-07
3830 471363.09, 3852877.25	2.94E-03	9.29E-07	1.23E-07	1.59E-03	5.03E-07	6.64E-08	2.52E-04	7.96E-08	1.05E-08	2.66E-04	8.40E-08	1.11E-08	1.23E-07	6.70E-08
3831 471863.09, 3852877.25	3.07E-03	9.69E-07	1.28E-07	1.67E-03	5.26E-07	6.95E-08	2.68E-04	8.45E-08	1.12E-08	2.82E-04	8.91E-08	1.18E-08	1.29E-07	7.01E-08
3832 472363.09, 3852877.25	3.18E-03	1.00E-06	1.33E-07	1.73E-03	5.47E-07	7.22E-08	2.82E-04	8.90E-08	1.17E-08	2.97E-04	9.38E-08	1.24E-08	1.33E-07	7.28E-08
3833 472863.09, 3852877.25	3.28E-03	1.04E-06	1.37E-07	1.79E-03	5.64E-07	7.45E-08	2.95E-04	9.30E-08	1.23E-08	3.10E-04	9.79E-08	1.29E-08	1.37E-07	7.51E-08
3834 473363.09, 3852877.25	3.41E-03	1.08E-06	1.42E-07	1.86E-03	5.87E-07	7.75E-08	3.10E-04	9.79E-08	1.29E-08	3.28E-04	1.04E-07	1.37E-08	1.43E-07	7.83E-08
3835 473863.09, 3852877.25	3.54E-03	1.12E-06	1.48E-07	1.94E-03	6.12E-07	8.07E-08	3.29E-04	1.04E-07	1.37E-08	3.48E-04	1.10E-07	1.45E-08	1.48E-07	8.15E-08
3836 474363.09, 3852877.25	3.69E-03	1.17E-06	1.54E-07	2.02E-03	6.39E-07	8.43E-08	3.49E-04	1.10E-07	1.46E-08	3.69E-04	1.16E-07	1.54E-08	1.55E-07	8.51E-08
3837 474863.09, 3852877.25	3.77E-03	1.19E-06	1.57E-07	2.06E-03	6.49E-07	8.57E-08	3.43E-04	1.08E-07	1.43E-08	3.62E-04	1.14E-07	1.51E-08	1.58E-07	8.65E-08
3838 475363.09, 3852877.25	3.95E-03	1.25E-06	1.65E-07	2.16E-03	6.82E-07	9.01E-08	3.68E-04	1.16E-07	1.53E-08	3.90E-04	1.23E-07	1.63E-08	1.66E-07	9.10E-08
3839 475863.09, 3852877.25	4.09E-03	1.29E-06	1.71E-07	2.24E-03	7.06E-07	9.33E-08	3.81E-04	1.20E-07	1.59E-08	4.06E-04	1.28E-07	1.69E-08	1.72E-07	9.43E-08
3840 476363.09, 3852877.25	4.19E-03	1.32E-06	1.75E-07	2.29E-03	7.21E-07	9.52E-08	3.81E-04	1.20E-07	1.59E-08	4.08E-04	1.29E-07	1.70E-08	1.76E-07	9.64E-08
3841 476863.09, 3852877.25	4.21E-03	1.33E-06	1.75E-07	2.29E-03	7.22E-07	9.53E-08	3.71E-04	1.17E-07	1.55E-08	4.02E-04	1.27E-07	1.67E-08	1.77E-07	9.66E-08
3842 477363.09, 3852877.25	4.25E-03	1.34E-06	1.77E-07	2.31E-03	7.28E-07	9.61E-08	3.70E-04	1.17E-07	1.54E-08	3.97E-04	1.25E-07	1.65E-08	1.78E-07	9.72E-08
3843 477863.09, 3852877.25	4.25E-03	1.34E-06	1.77E-07	2.30E-03	7.27E-07	9.59E-08	3.62E-04	1.14E-07	1.51E-08	3.87E-04	1.22E-07	1.61E-08	1.78E-07	9.70E-08
3844 478363.09, 3852877.25	4.06E-03	1.28E-06	1.69E-07	2.19E-03	6.92E-07	9.14E-08	3.40E-04	1.07E-07	1.42E-08	3.61E-04	1.14E-07	1.50E-08	1.70E-07	9.23E-08
3845 478863.09, 3852877.25	4.41E-03	1.39E-06	1.84E-07	2.39E-03	7.55E-07	9.96E-08	3.81E-04	1.20E-07	1.59E-08	4.08E-04	1.29E-07	1.70E-08	1.85E-07	1.01E-07
3846 479363.09, 3852877.25	5.09E-03	1.61E-06	2.12E-07	2.77E-03	8.76E-07	1.16E-07	4.62E-04	1.46E-07	1.93E-08	4.98E-04	1.57E-07	2.07E-08	2.13E-07	1.17E-07
3847 479863.09, 3852877.25	5.99E-03	1.89E-06	2.50E-07	3.33E-03	1.05E-06	1.39E-07	6.34E-04	2.00E-07	2.64E-08	6.90E-04	2.18E-07	2.88E-08	2.52E-07	1.41E-07
3848 480363.09, 3852877.25	6.48E-03	2.05E-06	2.70E-07	3.72E-03	1.17E-06	1.55E-07	8.77E-04	2.77E-07	3.65E-08	9.48E-04	2.99E-07	3.95E-08	2.73E-07	1.58E-07
3849 480863.09, 3852877.25	7.20E-03	2.27E-06	3.00E-07	4.21E-03	1.33E-06	1.75E-07	1.09E-03	3.44E-07	4.54E-08	1.17E-03	3.68E-07	4.86E-08	3.03E-07	1.79E-07
3850 481363.09, 3852877.25	8.40E-03	2.65E-06	3.50E-07	5.05E-03	1.59E-06	2.10E-07	1.48E-03	4.67E-07	6.16E-08	1.57E-03	4.97E-07	6.56E-08	3.54E-07	2.14E-07

3851	481863.09, 3852877.25	1.15E-02	3.63E-06	4.79E-07	7.19E-03	2.27E-06	3.00E-07	2.48E-03	7.83E-07	1.03E-07	2.63E-03	8.29E-07	1.09E-07	4.85E-07	3.06E-07
3852	482363.09, 3852877.25	4.82E-02	1.52E-05	2.01E-06	3.45E-02	1.09E-05	1.44E-06	1.70E-02	5.37E-06	7.09E-07	1.80E-02	5.70E-06	7.52E-07	2.05E-06	1.48E-06
3853	482863.09, 3852877.25	2.74E-02	8.66E-06	1.14E-06	1.81E-02	5.70E-06	7.53E-07	7.30E-03	2.30E-06	3.04E-07	7.75E-03	2.45E-06	3.23E-07	1.16E-06	7.71E-07
3854	483363.09, 3852877.25	1.67E-02	5.26E-06	6.94E-07	1.01E-02	3.18E-06	4.20E-07	3.05E-03	9.64E-07	1.27E-07	3.30E-03	1.04E-06	1.37E-07	7.05E-07	4.30E-07
3855	483863.09, 3852877.25	1.35E-02	4.26E-06	5.63E-07	7.71E-03	2.43E-06	3.21E-07	1.76E-03	5.57E-07	7.35E-08	1.93E-03	6.10E-07	8.06E-08	5.70E-07	3.28E-07
3856	484363.09, 3852877.25	1.24E-02	3.92E-06	5.18E-07	7.07E-03	2.23E-06	2.95E-07	1.58E-03	4.98E-07	6.58E-08	1.75E-03	5.53E-07	7.30E-08	5.25E-07	3.02E-07
3857	484863.09, 3852877.25	1.18E-02	3.74E-06	4.93E-07	6.68E-03	2.11E-06	2.78E-07	1.42E-03	4.47E-07	5.91E-08	1.59E-03	5.01E-07	6.61E-08	5.00E-07	2.85E-07
3858	485363.09, 3852877.25	1.10E-02	3.48E-06	4.59E-07	6.09E-03	1.92E-06	2.54E-07	1.12E-03	3.53E-07	4.66E-08	1.26E-03	3.96E-07	5.23E-08	4.65E-07	2.59E-07
3859	485863.09, 3852877.25	1.05E-02	3.30E-06	4.35E-07	5.72E-03	1.81E-06	2.38E-07	9.79E-04	3.09E-07	4.08E-08	1.11E-03	3.49E-07	4.61E-08	4.41E-07	2.44E-07
3860	486363.09, 3852877.25	9.82E-03	3.10E-06	4.09E-07	5.34E-03	1.69E-06	2.22E-07	8.69E-04	2.74E-07	3.62E-08	9.84E-04	3.11E-07	4.10E-08	4.14E-07	2.27E-07
3861	486863.09, 3852877.25	9.45E-03	2.98E-06	3.94E-07	5.12E-03	1.62E-06	2.13E-07	8.05E-04	2.54E-07	3.35E-08	9.14E-04	2.88E-07	3.81E-08	3.98E-07	2.18E-07
3862	487363.09, 3852877.25	8.83E-03	2.79E-06	3.68E-07	4.77E-03	1.51E-06	1.99E-07	7.35E-04	2.32E-07	3.06E-08	8.36E-04	2.64E-07	3.48E-08	3.72E-07	2.03E-07
3863	487863.09, 3852877.25	8.43E-03	2.66E-06	3.51E-07	4.55E-03	1.43E-06	1.89E-07	6.83E-04	2.16E-07	2.85E-08	7.79E-04	2.46E-07	3.24E-08	3.55E-07	1.93E-07
3864	488363.09, 3852877.25	7.12E-03	2.25E-06	2.96E-07	3.83E-03	1.21E-06	1.60E-07	5.72E-04	1.80E-07	2.38E-08	6.50E-04	2.05E-07	2.71E-08	3.00E-07	1.63E-07
3865	488863.09, 3852877.25	7.40E-03	2.34E-06	3.08E-07	3.97E-03	1.25E-06	1.65E-07	5.69E-04	1.79E-07	2.37E-08	6.48E-04	2.05E-07	2.70E-08	3.12E-07	1.69E-07
3866	489363.09, 3852877.25	7.45E-03	2.35E-06	3.10E-07	3.98E-03	1.26E-06	1.66E-07	5.53E-04	1.75E-07	2.30E-08	6.32E-04	1.99E-07	2.63E-08	3.14E-07	1.69E-07
3867	489863.09, 3852877.25	7.46E-03	2.35E-06	3.11E-07	3.98E-03	1.26E-06	1.66E-07	5.37E-04	1.70E-07	2.24E-08	6.15E-04	1.94E-07	2.56E-08	3.14E-07	1.69E-07
3868	490363.09, 3852877.25	8.44E-03	2.66E-06	3.52E-07	4.48E-03	1.41E-06	1.87E-07	5.78E-04	1.82E-07	2.41E-08	6.66E-04	2.10E-07	2.77E-08	3.55E-07	1.90E-07
3869	490863.09, 3852877.25	8.80E-03	2.78E-06	3.67E-07	4.66E-03	1.47E-06	1.94E-07	5.80E-04	1.83E-07	2.41E-08	6.71E-04	2.12E-07	2.79E-08	3.70E-07	1.98E-07
3870	491363.09, 3852877.25	9.07E-03	2.86E-06	3.78E-07	4.79E-03	1.51E-06	2.00E-07	5.80E-04	1.83E-07	2.41E-08	6.73E-04	2.12E-07	2.80E-08	3.82E-07	2.03E-07
3871	491863.09, 3852877.25	9.11E-03	2.87E-06	3.79E-07	4.80E-03	1.52E-06	2.00E-07	5.70E-04	1.80E-07	2.38E-08	6.59E-04	2.08E-07	2.75E-08	3.83E-07	2.04E-07
3872	492363.09, 3852877.25	9.21E-03	2.91E-06	3.84E-07	4.85E-03	1.53E-06	2.02E-07	5.62E-04	1.77E-07	2.34E-08	6.53E-04	2.06E-07	2.72E-08	3.87E-07	2.06E-07
3873	492863.09, 3852877.25	9.47E-03	2.99E-06	3.95E-07	4.97E-03	1.57E-06	2.07E-07	5.64E-04	1.78E-07	2.35E-08	6.58E-04	2.08E-07	2.74E-08	3.98E-07	2.11E-07
3874	493363.09, 3852877.25	9.56E-03	3.02E-06	3.98E-07	5.02E-03	1.58E-06	2.09E-07	5.61E-04	1.77E-07	2.34E-08	6.53E-04	2.06E-07	2.72E-08	4.02E-07	2.13E-07
3875	493863.09, 3852877.25	9.45E-03	2.98E-06	3.94E-07	4.95E-03	1.56E-06	2.06E-07	5.45E-04	1.72E-07	2.27E-08	6.33E-04	2.00E-07	2.64E-08	3.97E-07	2.10E-07
3876	494363.09, 3852877.25	9.36E-03	2.95E-06	3.90E-07	4.90E-03	1.55E-06	2.04E-07	5.33E-04	1.68E-07	2.22E-08	6.17E-04	1.95E-07	2.57E-08	3.93E-07	2.08E-07
3877	494863.09, 3852877.25	9.33E-03	2.94E-06	3.89E-07	4.88E-03	1.54E-06	2.03E-07	5.25E-04	1.66E-07	2.19E-08	6.06E-04	1.91E-07	2.52E-08	3.92E-07	2.07E-07
3878	495363.09, 3852877.25	9.02E-03	2.85E-06	3.76E-07	4.72E-03	1.49E-06	1.96E-07	5.04E-04	1.59E-07	2.10E-08	5.79E-04	1.83E-07	2.41E-08	3.79E-07	2.00E-07
3879	495863.09, 3852877.25	8.70E-03	2.74E-06	3.62E-07	4.55E-03	1.44E-06	1.89E-07	4.86E-04	1.53E-07	2.02E-08	5.55E-04	1.75E-07	2.31E-08	3.65E-07	1.92E-07
3880	496363.09, 3852877.25	8.57E-03	2.70E-06	3.57E-07	4.48E-03	1.41E-06	1.87E-07	4.76E-04	1.50E-07	1.98E-08	5.42E-04	1.71E-07	2.26E-08	3.60E-07	1.89E-07
3881	496863.09, 3852877.25	8.33E-03	2.63E-06	3.47E-07	4.35E-03	1.37E-06	1.81E-07	4.61E-04	1.45E-07	1.92E-08	5.24E-04	1.65E-07	2.18E-08	3.50E-07	1.84E-07
3882	497363.09, 3852877.25	7.66E-03	2.42E-06	3.19E-07	4.01E-03	1.26E-06	1.67E-07	4.29E-04	1.35E-07	1.79E-08	4.83E-04	1.52E-07	2.01E-08	3.22E-07	1.69E-07
3883	497863.09, 3852877.25	6.63E-03	2.09E-06	2.76E-07	3.47E-03	1.10E-06	1.45E-07	3.81E-04	1.20E-07	1.59E-08	4.19E-04	1.32E-07	1.75E-08	2.78E-07	1.46E-07
3884	498363.09, 3852877.25	6.43E-03	2.03E-06	2.68E-07	3.37E-03	1.06E-06	1.40E-07	3.70E-04	1.17E-07	1.54E-08	4.05E-04	1.28E-07	1.69E-08	2.70E-07	1.42E-07
3885	471363.09, 3853377.25	2.97E-03	9.38E-07	1.24E-07	1.60E-03	5.07E-07	6.69E-08	2.44E-04	7.71E-08	1.02E-08	2.58E-04	8.14E-08	1.07E-08	1.24E-07	6.74E-08
3886	471863.09, 3853377.25	3.10E-03	9.78E-07	1.29E-07	1.67E-03	5.28E-07	6.97E-08	2.55E-04	8.06E-08	1.06E-08	2.71E-04	8.55E-08	1.13E-08	1.30E-07	7.04E-08
3887	472363.09, 3853377.25	3.22E-03	1.02E-06	1.34E-07	1.74E-03	5.50E-07	7.25E-08	2.66E-04	8.41E-08	1.11E-08	2.82E-04	8.91E-08	1.18E-08	1.35E-07	7.32E-08
3888	472863.09, 3853377.25	3.35E-03	1.06E-06	1.40E-07	1.81E-03	5.72E-07	7.54E-08	2.79E-04	8.80E-08	1.16E-08	2.94E-04	9.27E-08	1.22E-08	1.40E-07	7.61E-08
3889	473363.09, 3853377.25	3.46E-03	1.09E-06	1.44E-07	1.87E-03	5.90E-07	7.79E-08	2.88E-04	9.10E-08	1.20E-08	3.05E-04	9.63E-08	1.27E-08	1.45E-07	7.86E-08
3890	473863.09, 3853377.25	3.58E-03	1.13E-06	1.49E-07	1.94E-03	6.11E-07	8.07E-08	2.99E-04	9.44E-08	1.25E-08	3.17E-04	9.99E-08	1.32E-08	1.50E-07	8.14E-08
3891	474363.09, 3853377.25	3.72E-03	1.17E-06	1.55E-07	2.01E-03	6.34E-07	8.37E-08	3.10E-04	9.79E-08	1.29E-08	3.26E-04	1.03E-07	1.36E-08	1.56E-07	8.44E-08
3892	474863.09, 3853377.25	3.83E-03	1.21E-06	1.59E-07	2.06E-03	6.51E-07	8.59E-08	3.10E-04	9.79E-08	1.29E-08	3.28E-04	1.04E-07	1.37E-08	1.60E-07	8.67E-08
3893	475363.09, 3853377.25	3.96E-03	1.25E-06	1.65E-07	2.13E-03	6.73E-07	8.88E-08	3.18E-04	1.00E-07	1.32E-08	3.36E-04	1.06E-07	1.40E-08	1.66E-07	8.96E-08
3894	475863.09, 3853377.25	4.11E-03	1.30E-06	1.71E-07	2.21E-03	6.98E-07	9.21E-08	3.27E-04	1.03E-07	1.36E-08	3.44E-04	1.09E-07	1.43E-08	1.72E-07	9.28E-08
3895	476363.09, 3853377.25	4.17E-03	1.32E-06	1.74E-07	2.24E-03	7.07E-07	9.34E-08	3.24E-04	1.02E-07	1.35E-08	3.41E-04	1.08E-07	1.42E-08	1.75E-07	9.41E-08
3896	476863.09, 3853377.25	4.08E-03	1.29E-06	1.70E-07	2.19E-03	6.90E-07	9.11E-08	3.13E-04	9.89E-08	1.31E-08	3.28E-04	1.04E-07	1.37E-08	1.71E-07	9.18E-08
3897	477363.09, 3853377.25	4.18E-03	1.32E-06	1.74E-07	2.24E-03	7.08E-07	9.34E-08	3.20E-04	1.01E-07	1.33E-08	3.38E-04	1.07E-07	1.41E-08	1.75E-07	9.42E-08
3898	477863.09, 3853377.25	4.35E-03	1.37E-06	1.81E-07	2.33E-03	7.35E-07	9.70E-08	3.29E-04	1.04E-07	1.37E-08	3.48E-04	1.10E-07	1.45E-08	1.82E-07	9.78E-08
3899	478363.09, 3853377.25	4.31E-03	1.36E-06	1.79E-07	2.30E-03	7.27E-07	9.59E-08	3.18E-04	1.00E-07	1.32E-08	3.36E-04	1.06E-07	1.40E-08	1.80E-07	9.67E-08
3900	478863.09, 3853377.25	4.18E-03	1.32E-06	1.74E-07	2.23E-03	7.05E-07	9.31E-08	3.07E-04	9.69E-08	1.28E-08	3.22E-04	1.01E-07	1.34E-08	1.75E-07	9.37E-08
3901	479363.09, 3853377.25	5.03E-03	1.59E-06	2.10E-07	2.69E-03	8.50E-07	1.12E-07	3.79E-04	1.20E-07	1.58E-08	4.03E-04	1.27E-07	1.68E-08	2.11E-07	1.13E-07
3902	479863.09, 3853377.25	6.05E-03	1.91E-06	2.52E-07	3.25E-03	1.03E-06	1.35E-07	4.73E-04	1.49E-07	1.97E-08	5.09E-04	1.61E-07	2.12E-08	2.54E-07	1.37E-07
3903	480363.09, 3853377.25	7.13E-03	2.25E-06	2.97E-07	3.89E-03	1.23E-06	1.62E-07	6.52E-04	2.06E-07	2.71E-08	7.05E-04	2.23E-07	2.94E-08	2.99E-07	1.64E-07
3904	480863.09, 3853377.25	7.92E-03	2.50E-06	3.30E-07	4.30E-03	1.36E-06	1.79E-07	6.91E-04	2.18E-07	2.88E-08	7.62E-04	2.41E-07	3.18E-08	3.33E-07	1.82E-07
3905	481363.09, 3853377.25	9.13E-03	2.88E-06	3.81E-07	5.10E-03	1.61E-06	2.12E-07	1.01E-03	3.17E-07	4.19E-08	1.08E-03	3.42E-07	4.52E-08	3.84E-07	2.16E-07
3906	481863.09, 3853377.25	1.16E-02	3.65E-06	4.82E-07	6.65E-03	2.10E-06	2.77E-07	1.58E-03	4.99E-07	6.59E-08	1.67E-03	5.26E-07	6.94E-08	4.86E-07	2.81E-07
3907	482363.09, 3853377.25	1.91E-02	6.03E-06	7.96E-07	1.13E-02	3.57E-06	4.71E-07	3.11E-03	9.81E-07	1.29E-07	3.23E-03	1.02E-06	1.35E-07	8.01E-07	4.76E-07
3908	482863.09, 3853377.25	8.91E-02	2.81E-05	3.71E-06	5.65E-02	1.78E-05	2.35E-06	2.03E-02	6.40E-06	8.45E-07	2.32E-02	7.32E-06	9.66E-07	3.83E-06	2.47E-06
3909	483363.09, 3853377.25	2.71E-02	8.57E-06	1.13E-06	1.58E-02	4.98E-06	6.57E-07	3.96E-03	1.25E-06	1.65E-07	4.48E-03	1.41E-06	1.87E-07	1.15E-06	6.79E-07
3910	483863.09, 3853377.25	2.04E-02	6.45E-06	8.51E-07	1.14E-02	3.61E-06	4.77E-07	2.32E-03	7.34E-07	9.69E-08	2.70E-03	8.53E-07	1.13E-07	8.67E-07	4.92E-07
3911	484363.09, 3853377.25	1.79E-02	5.64E-06	7.44E-07	9.85E-03	3.11E-06	4.10E-07	1.78E-03	5.62E-07	7.41E-08	2.12E-03	6.69E-07	8.83E-08	7.59E-07	4.24E-07
3912	484863.09, 3853377.25	1.66E-02	5.24E-06	6.92E-07	8.92E-03	2.82E-06	3.72E-07	1.30E-03	4.11E-07	5.42E-08	1.59E-03	5.01E-07	6.62E-08	7.04E-07	3.84E-07
3913	485363.09, 3853377.25	1.44E-02	4.55E-06	6.00E-07	7.66E-03	2.42E-06	3.19E-07	1.00E-03	3.16E-07	4.17E-08	1.22E-03	3.84E-07	5.07E-08	6.09E-07	3.28E-07
3914	485863.09, 3853377.25	1.19E-02	3.75E-06	4.95E-07	6.32E-03	2.00E-06	2.63E-07	8.41E-04	2.66E-07	3.50E-08	1.01E-03	3.20E-07	4.22E-08	5.02E-07	2.71E-07
3915	486363.09, 3853377.25	1.18E-02	3.74E-06	4.93E-07	6.28E-03	1.98E-06	2.62E-07	8.02E-04	2.53E-07	3.34E-08	9.71E-04	3.07E-07	4.05E-08	5.00E-07	2.69E-07
3916	486863.09, 3853377.25	1.16E-02	3.65E-06	4.82E-07	6.13E-03	1.93E-06	2.55E-07	7.58E-04	2.39E-07	3.16E-08	9.21E-04	2.91E-07	3.84E-08	4.89E-07	2.62E-07
3917	487363.09, 3853377.25	1.16E-02	3.67E-06	4.85E-07	6.14E-03	1.94E-06	2.56E-07	7.38E-04	2.33E-07	3.07E-08	9.01E-04	2.84E-07	3.75E-08	4.92E-07	2.63E-07
3918	487863.09, 3853377.25	1.15E-02	3.64E-06	4.80E-07	6.07E-03	1.92E-06	2.53E-07	7.14E-04	2.25E-07	2.98E-08	8.73E-04	2.76E-07	3.64E-08	4.87E-07	2.60E-07
3919	488363.09, 3853377.25	1.16E-02	3.67E-06	4.84E-07	6.11E-03	1.93E-06	2.54E-07	7.00E-04	2.21E-07	2.92E-08	8.57E-04	2.70E-07	3.57E-08	4.90E-07	2.61E-07
3920	488863.09, 3853377.25	1.15E-02	3.63E-06	4.79E-07	6.03E-03	1.90E-06	2.51E-07	6.74E-04	2.13E-07	2.81E-08	8.23E-04	2.60E-07	3.43E-08	4.85E-07	2.57E-07
3921	489363.09, 3853377.25	1.13E-02	3.57E-06	4.71E-07	5.92E-03	1.87E-06	2.47E-07	6.50E-04	2.05E-07	2.71E-08	7.93E-04	2.50E-07	3.30E-08	4.77E-07	2.53E-07
3922	489863.09, 3853377.25	1.10E-02	3.47E-06	4.58E-07	5.75E-03	1.82E-06	2.40E-07	6.25E-04	1.97E-07	2.60E-08	7.57E-04	2.39E-07	3.16E-08	4.63E-07	2.45E-07
3923	490363.09, 3853377.25	1.12E-02	3.54E-06	4.67E-07	5.86E-03	1.85E-06	2.44E-07	6.23E-04	1.97E-07	2.60E-08	7.56E-04	2.39E-07	3.15E-08	4.72E-07	2.50E-07
3924	490863.09, 3853377.25	1.13E-02	3.57E-06	4.71E-07	5.90E-03	1.86E-06	2.46E-07	6.16E-04	1.94E-07	2.56E-08	7.46E-04	2.35E-07	3.11E-08	4.76E-07	2.51E-07
3925	491363.09, 3853377.25	1.14E-02	3.59E-06	4.74E-07	5.93E-03	1.87E-06	2.47E-07	6.08E-04	1.92E-07	2.53E-08	7.35E-04	2.32E-07	3.06E-08	4.80E-07	2.53E-07
3926	491863.09, 3853377.25	1.13E-02	3.58E-06	4.72E-07	5.90E-03	1.86E-06	2.46E-07	5.98E-04	1.89E-07	2.49E-08	7.20E-04	2.27E-07	3.00E-08	4.77E-07	2.51E-07
3927	492363.09, 3853377.25	1.14E-02	3.60E-06	4.76E-07	5.94E-03	1.88E-06	2.48E-07	5.97E-04	1.88E-07	2.49E-08	7.17E-04	2.26E-07	2.99E-08	4.81E-07	2.53E-07
3928	492863.09, 3853377.25	1.15E-02	3.62E-06	4.77E-07	5.96E-03	1.88E-06	2.48E-07	5.95E-04	1.88E-07	2.48E-08	7.12E-04	2.25E-07	2.96E-08	4.82E-07	2.53E-07
3929	493363.09, 3853377.25	1.13E-02	3.57E-06	4.71E-07	5.89E-03	1.86E-06	2.45E-07	5.86E-04	1.85E-07	2.44E-08	6.97E-04	2.20E-07	2.90E-08	4.76E-07	2.50E-07
3930	493863.09, 3853377.25	1.12E-02	3.52E-06	4.65E-07	5.80E-03	1.83E-06	2.42E-07	5.75E-04	1.81E-07	2.40E-08	6.79E-04	2.14E-07	2.83E-08	4.69E-07	2.46E-07
3931	494363.09, 3853377.25	1.09E-02	3.43E-06	4.52E-07	5.64E-03	1.78E-06	2.35E-07	5.56E-04	1.76E-07	2.32E-08	6.53E-04	2.06E-07	2.72E-08	4.56E-07	2.39E-07
3932	494863.09, 3853377.25	1.05E-02	3.31E-06	4.37E-07	5.45E-03	1.72E-06	2.27E-07	5.36E-04	1.69E-07	2.23E-08	6.24E-04	1.97E-07	2.60E-08	4.41E-07	2.31E-07
3933	495363.09, 3853377.25	1.02E-02	3.23E-06	4.26E-07	5.32E-03	1.68E-06	2.22E-07	5.23E-04	1.65E-07	2.18E-08	6.06E-04	1.91E-07	2.52E-08	4.30E-07	2.25E-07
3934	495863.09, 3853377.25	9.87E-03	3.12E-06	4.11E-07	5.13E-03	1.62E-06	2.14E-07	5.06E-04	1.60E-07	2.11E-08	5.81E-04	1.83E-07	2.42E-08	4.14E-07	2.17E-07
3935	496363.09, 3853377.25	9.42E-03	2.97E-06	3.93E-07	4.90E-03	1.55E-06	2.04E-07	4.84E-04	1.53E-07	2.02E-08	5.52E-04	1.74E-07	2.30E-08	3.95E-07	2.07E-07
3936	496863.09, 3853377.25	8.80E-03	2.78E-06	3.66E-07	4.57E-03	1.44E-06	1.91E-07	4.53E-04	1.43E-07	1.89E-08	5.14E-04	1.62E-07	2.14E-08	3.69E-07	1.93E-07
3937	497363.09, 3853377.25	7.94E-03	2.50E-06	3.31E-07	4.13E-03	1.30E-06	1.72E-07	4.17E-04	1.32E-07	1.74E-08	4.67E-04	1.47E-07	1.94E-08	3.33E-07	1.74E-07
3938	497863.09, 3853377.25	6.53E-03	2.06E-06	2.72E-07	3.41E-03	1.08E-06	1.42E-07	3.54E-04	1.12E-07	1.47E-08	3.88E-04	1.23E-07	1.62E-08	2.74E-07	1.43E-07
3939	498363.09, 3853377.25	5.89E-03	1.86E-06	2.45E-07	3.07E-03	9.70E-07	1.28E-07	3.23E-04	1.02E-07	1.34E-08	3.51E-04	1.11E-07	1.46E-08	2.46E-07	1.29E-07
3940	471363.09, 3853877.25	2.93E-03	9.25E-07	1.22E-07	1.58E-03	4.98E-07	6.58E-08	2.37E-04	7.47E-08	9.85E-09	2.46E-04	7.78E-08	1.03E-08	1.23E-07	6.62E-08
3941	471863.09, 3853877.25	3.07E-03	9.69E-07	1.28E-07	1.65E-03	5.22E-07	6.89E-08	2.48E-04	7.81E-08	1.03E-08	2.60E-04	8.19E-08	1.08E-08	1.28E-07	6.94E-08
3942	472363.09, 3853877.25	3.21E-03	1.01E-06	1.34E-07	1.73E-03	5.44E-07	7.19E-08	2.55E-04	8.06E-08	1.06E-08	2.68E-04	8.45E-08	1.12E-08	1.34E-07	7.24E-08
3943	472863.09, 3853877.25	3.34E-03	1.06E-06	1.39E-07	1.80E-03	5.68E-07	7.49E-08	2.65E-04	8.36E-08	1.10E-08	2.79E-04	8.81E-08	1.16E-08	1.40E-07	7.55E-08
3944	473363.09, 3853877.25	3.46E-03	1.09E-06	1.44E-07	1.86E-03	5.87E-07	7.75E-08	2.71E-04	8.55E-08	1.13E-08	2.86E-04	9.02E-08	1.19E-08	1.45E-07	7.81E-08

3945 473863.09, 3853877.25	3.60E-03	1.14E-06	1.50E-07	1.93E-03	6.09E-07	8.04E-08	2.77E-04	8.75E-08	1.16E-08	2.94E-04	9.27E-08	1.22E-08	1.51E-07	8.11E-08
3946 474363.09, 3853877.25	3.76E-03	1.19E-06	1.57E-07	2.02E-03	6.36E-07	8.40E-08	2.87E-04	9.05E-08	1.19E-08	3.04E-04	9.58E-08	1.26E-08	1.57E-07	8.47E-08
3947 474863.09, 3853877.25	3.91E-03	1.23E-06	1.63E-07	2.09E-03	6.61E-07	8.72E-08	2.95E-04	9.30E-08	1.23E-08	3.10E-04	9.79E-08	1.29E-08	1.64E-07	8.79E-08
3948 475363.09, 3853877.25	4.00E-03	1.26E-06	1.67E-07	2.14E-03	6.75E-07	8.91E-08	2.93E-04	9.25E-08	1.22E-08	3.09E-04	9.74E-08	1.29E-08	1.67E-07	8.97E-08
3949 475863.09, 3853877.25	4.00E-03	1.26E-06	1.67E-07	2.13E-03	6.72E-07	8.87E-08	2.82E-04	8.90E-08	1.17E-08	2.97E-04	9.38E-08	1.24E-08	1.67E-07	8.94E-08
3950 476363.09, 3853877.25	3.88E-03	1.23E-06	1.62E-07	2.07E-03	6.53E-07	8.61E-08	2.76E-04	8.70E-08	1.15E-08	2.86E-04	9.02E-08	1.19E-08	1.62E-07	8.66E-08
3951 476863.09, 3853877.25	3.76E-03	1.19E-06	1.57E-07	2.00E-03	6.31E-07	8.33E-08	2.65E-04	8.36E-08	1.10E-08	2.71E-04	8.55E-08	1.13E-08	1.57E-07	8.36E-08
3952 477363.09, 3853877.25	4.04E-03	1.27E-06	1.68E-07	2.15E-03	6.78E-07	8.94E-08	2.80E-04	8.85E-08	1.17E-08	2.89E-04	9.12E-08	1.20E-08	1.69E-07	8.98E-08
3953 477863.09, 3853877.25	4.33E-03	1.37E-06	1.80E-07	2.30E-03	7.26E-07	9.58E-08	3.01E-04	9.49E-08	1.25E-08	3.09E-04	9.74E-08	1.29E-08	1.81E-07	9.61E-08
3954 478363.09, 3853877.25	4.56E-03	1.44E-06	1.90E-07	2.42E-03	7.64E-07	1.01E-07	3.10E-04	9.79E-08	1.29E-08	3.20E-04	1.01E-07	1.33E-08	1.90E-07	1.01E-07
3955 478863.09, 3853877.25	4.35E-03	1.37E-06	1.81E-07	2.30E-03	7.27E-07	9.59E-08	2.87E-04	9.05E-08	1.19E-08	2.94E-04	9.27E-08	1.22E-08	1.82E-07	9.62E-08
3956 479363.09, 3853877.25	4.99E-03	1.58E-06	2.08E-07	2.64E-03	8.34E-07	1.10E-07	3.26E-04	1.03E-07	1.36E-08	3.35E-04	1.06E-07	1.39E-08	2.08E-07	1.10E-07
3957 479863.09, 3853877.25	6.39E-03	2.02E-06	2.66E-07	3.38E-03	1.07E-06	1.41E-07	4.18E-04	1.32E-07	1.74E-08	4.41E-04	1.39E-07	1.84E-08	2.67E-07	1.42E-07
3958 480363.09, 3853877.25	7.65E-03	2.41E-06	3.19E-07	4.06E-03	1.28E-06	1.69E-07	5.15E-04	1.63E-07	2.15E-08	5.53E-04	1.75E-07	2.31E-08	3.20E-07	1.71E-07
3959 480863.09, 3853877.25	9.03E-03	2.85E-06	3.76E-07	4.85E-03	1.53E-06	2.02E-07	6.99E-04	2.21E-07	2.91E-08	7.46E-04	2.35E-07	3.11E-08	3.78E-07	2.04E-07
3960 481363.09, 3853877.25	1.06E-02	3.35E-06	4.43E-07	5.76E-03	1.82E-06	2.40E-07	9.04E-04	2.85E-07	3.77E-08	9.53E-04	3.01E-07	3.97E-08	4.45E-07	2.42E-07
3961 481863.09, 3853877.25	1.37E-02	4.33E-06	5.71E-07	7.54E-03	2.38E-06	3.14E-07	1.35E-03	4.25E-07	5.61E-08	1.32E-03	4.15E-07	5.48E-08	5.70E-07	3.13E-07
3962 482363.09, 3853877.25	2.28E-02	7.21E-06	9.51E-07	1.27E-02	3.99E-06	5.27E-07	2.39E-03	7.55E-07	9.97E-08	2.12E-03	6.70E-07	8.85E-08	9.40E-07	5.16E-07
3963 482863.09, 3853877.25	1.57E-01	4.95E-05	6.54E-06	1.04E-01	3.28E-05	4.33E-06	4.27E-02	1.35E-05	1.78E-06	1.17E-02	3.69E-06	4.87E-07	5.25E-06	3.04E-06
3964 483363.09, 3853877.25	7.70E-02	2.43E-05	3.21E-06	4.04E-02	1.28E-05	1.68E-06	4.59E-03	1.45E-06	1.91E-07	7.51E-03	2.37E-06	3.13E-07	3.33E-06	1.81E-06
3965 483863.09, 3853877.25	4.16E-02	1.31E-05	1.73E-06	2.20E-02	6.93E-06	9.15E-07	2.65E-03	8.36E-07	1.10E-07	4.11E-03	1.30E-06	1.71E-07	1.79E-06	9.76E-07
3966 484363.09, 3853877.25	3.13E-02	9.88E-06	1.30E-06	1.64E-02	5.17E-06	6.82E-07	1.75E-03	5.52E-07	7.29E-08	2.75E-03	8.68E-07	1.15E-07	1.35E-06	7.24E-07
3967 484863.09, 3853877.25	2.58E-02	8.15E-06	1.08E-06	1.34E-02	4.22E-06	5.58E-07	1.27E-03	4.01E-07	5.30E-08	1.94E-03	6.11E-07	8.07E-08	1.10E-06	5.85E-07
3968 485363.09, 3853877.25	1.94E-02	6.13E-06	8.09E-07	1.01E-02	3.18E-06	4.19E-07	9.41E-04	2.97E-07	3.92E-08	1.36E-03	4.30E-07	5.68E-08	8.27E-07	4.37E-07
3969 485863.09, 3853877.25	1.90E-02	6.01E-06	7.93E-07	9.83E-03	3.10E-06	4.10E-07	8.77E-04	2.77E-07	3.65E-08	1.27E-03	4.02E-07	5.31E-08	8.10E-07	4.26E-07
3970 486363.09, 3853877.25	1.75E-02	5.52E-06	7.29E-07	9.05E-03	2.86E-06	3.77E-07	8.18E-04	2.58E-07	3.41E-08	1.16E-03	3.66E-07	4.84E-08	7.43E-07	3.91E-07
3971 486863.09, 3853877.25	1.62E-02	5.13E-06	6.77E-07	8.41E-03	2.65E-06	3.50E-07	7.72E-04	2.44E-07	3.22E-08	1.07E-03	3.37E-07	4.45E-08	6.89E-07	3.63E-07
3972 487363.09, 3853877.25	1.60E-02	5.04E-06	6.65E-07	8.26E-03	2.61E-06	3.44E-07	7.60E-04	2.40E-07	3.17E-08	1.03E-03	3.27E-07	4.31E-08	6.76E-07	3.55E-07
3973 487863.09, 3853877.25	1.62E-02	5.11E-06	6.74E-07	8.37E-03	2.64E-06	3.49E-07	7.66E-04	2.42E-07	3.19E-08	1.04E-03	3.29E-07	4.35E-08	6.86E-07	3.60E-07
3974 488363.09, 3853877.25	1.59E-02	5.01E-06	6.62E-07	8.21E-03	2.59E-06	3.42E-07	7.50E-04	2.37E-07	3.13E-08	1.01E-03	3.18E-07	4.20E-08	6.72E-07	3.53E-07
3975 488863.09, 3853877.25	1.58E-02	4.99E-06	6.58E-07	8.17E-03	2.58E-06	3.40E-07	7.46E-04	2.35E-07	3.11E-08	9.96E-04	3.14E-07	4.15E-08	6.69E-07	3.51E-07
3976 489363.09, 3853877.25	1.51E-02	4.78E-06	6.31E-07	7.83E-03	2.47E-06	3.26E-07	7.06E-04	2.23E-07	2.94E-08	9.26E-04	2.92E-07	3.86E-08	6.40E-07	3.35E-07
3977 489863.09, 3853877.25	1.49E-02	4.71E-06	6.22E-07	7.72E-03	2.44E-06	3.22E-07	6.94E-04	2.19E-07	2.89E-08	8.96E-04	2.83E-07	3.73E-08	6.31E-07	3.30E-07
3978 490363.09, 3853877.25	1.45E-02	4.59E-06	6.06E-07	7.51E-03	2.37E-06	3.13E-07	6.70E-04	2.12E-07	2.79E-08	8.54E-04	2.69E-07	3.56E-08	6.13E-07	3.20E-07
3979 490863.09, 3853877.25	1.43E-02	4.52E-06	5.96E-07	7.39E-03	2.33E-06	3.08E-07	6.56E-04	2.07E-07	2.73E-08	8.28E-04	2.61E-07	3.45E-08	6.03E-07	3.15E-07
3980 491363.09, 3853877.25	1.41E-02	4.45E-06	5.87E-07	7.28E-03	2.30E-06	3.03E-07	6.47E-04	2.04E-07	2.70E-08	8.06E-04	2.54E-07	3.36E-08	5.94E-07	3.10E-07
3981 491863.09, 3853877.25	1.38E-02	4.36E-06	5.75E-07	7.13E-03	2.25E-06	2.97E-07	6.38E-04	2.01E-07	2.66E-08	7.87E-04	2.48E-07	3.28E-08	5.81E-07	3.03E-07
3982 492363.09, 3853877.25	1.37E-02	4.31E-06	5.69E-07	7.06E-03	2.23E-06	2.94E-07	6.38E-04	2.01E-07	2.66E-08	7.80E-04	2.46E-07	3.25E-08	5.75E-07	3.00E-07
3983 492863.09, 3853877.25	1.34E-02	4.24E-06	5.60E-07	6.95E-03	2.19E-06	2.90E-07	6.31E-04	1.99E-07	2.63E-08	7.64E-04	2.41E-07	3.18E-08	5.66E-07	2.95E-07
3984 493363.09, 3853877.25	1.31E-02	4.14E-06	5.47E-07	6.79E-03	2.14E-06	2.83E-07	6.14E-04	1.94E-07	2.56E-08	7.38E-04	2.33E-07	3.07E-08	5.52E-07	2.88E-07
3985 493863.09, 3853877.25	1.28E-02	4.03E-06	5.32E-07	6.60E-03	2.08E-06	2.75E-07	5.95E-04	1.88E-07	2.48E-08	7.08E-04	2.24E-07	2.95E-08	5.37E-07	2.80E-07
3986 494363.09, 3853877.25	1.24E-02	3.93E-06	5.18E-07	6.43E-03	2.03E-06	2.68E-07	5.81E-04	1.83E-07	2.42E-08	6.86E-04	2.16E-07	2.86E-08	5.23E-07	2.72E-07
3987 494863.09, 3853877.25	1.20E-02	3.80E-06	5.01E-07	6.22E-03	1.96E-06	2.59E-07	5.61E-04	1.77E-07	2.34E-08	6.56E-04	2.07E-07	2.73E-08	5.05E-07	2.63E-07
3988 495363.09, 3853877.25	1.12E-02	3.54E-06	4.67E-07	5.80E-03	1.83E-06	2.42E-07	5.25E-04	1.66E-07	2.19E-08	6.07E-04	1.92E-07	2.53E-08	4.71E-07	2.45E-07
3989 495863.09, 3853877.25	1.04E-02	3.28E-06	4.34E-07	5.39E-03	1.70E-06	2.24E-07	4.95E-04	1.56E-07	2.06E-08	5.66E-04	1.79E-07	2.36E-08	4.37E-07	2.27E-07
3990 496363.09, 3853877.25	9.89E-03	3.12E-06	4.12E-07	5.12E-03	1.62E-06	2.13E-07	4.75E-04	1.50E-07	1.98E-08	5.39E-04	1.70E-07	2.24E-08	4.15E-07	2.16E-07
3991 496863.09, 3853877.25	8.98E-03	2.83E-06	3.74E-07	4.65E-03	1.47E-06	1.94E-07	4.40E-04	1.39E-07	1.83E-08	4.95E-04	1.56E-07	2.06E-08	3.76E-07	1.96E-07
3992 497363.09, 3853877.25	8.23E-03	2.60E-06	3.43E-07	4.27E-03	1.35E-06	1.78E-07	4.12E-04	1.30E-07	1.72E-08	4.57E-04	1.44E-07	1.90E-08	3.45E-07	1.80E-07
3993 497863.09, 3853877.25	7.28E-03	2.30E-06	3.03E-07	3.78E-03	1.19E-06	1.58E-07	3.74E-04	1.18E-07	1.56E-08	4.10E-04	1.29E-07	1.71E-08	3.05E-07	1.59E-07
3994 498363.09, 3853877.25	6.75E-03	2.13E-06	2.81E-07	3.51E-03	1.11E-06	1.46E-07	3.49E-04	1.10E-07	1.46E-08	3.82E-04	1.21E-07	1.59E-08	2.82E-07	1.48E-07
3995 471363.09, 3854377.25	2.84E-03	8.95E-07	1.18E-07	1.53E-03	4.82E-07	6.37E-08	2.29E-04	7.22E-08	9.53E-09	2.38E-04	7.52E-08	9.93E-09	1.19E-07	6.41E-08
3996 471863.09, 3854377.25	2.97E-03	9.39E-07	1.24E-07	1.60E-03	5.06E-07	6.68E-08	2.40E-04	7.56E-08	9.99E-09	2.50E-04	7.88E-08	1.04E-08	1.24E-07	6.72E-08
3997 472363.09, 3854377.25	3.11E-03	9.81E-07	1.30E-07	1.67E-03	5.28E-07	6.97E-08	2.48E-04	7.81E-08	1.03E-08	2.58E-04	8.14E-08	1.07E-08	1.30E-07	7.01E-08
3998 472863.09, 3854377.25	3.24E-03	1.02E-06	1.35E-07	1.74E-03	5.49E-07	7.25E-08	2.52E-04	7.96E-08	1.05E-08	2.64E-04	8.35E-08	1.10E-08	1.35E-07	7.30E-08
3999 473363.09, 3854377.25	3.40E-03	1.07E-06	1.42E-07	1.83E-03	5.76E-07	7.61E-08	2.62E-04	8.26E-08	1.09E-08	2.73E-04	8.60E-08	1.14E-08	1.42E-07	7.65E-08
4000 473863.09, 3854377.25	3.58E-03	1.13E-06	1.49E-07	1.92E-03	6.06E-07	8.00E-08	2.71E-04	8.55E-08	1.13E-08	2.84E-04	8.96E-08	1.18E-08	1.50E-07	8.05E-08
4001 474363.09, 3854377.25	3.76E-03	1.19E-06	1.57E-07	2.01E-03	6.35E-07	8.38E-08	2.79E-04	8.80E-08	1.16E-08	2.92E-04	9.22E-08	1.22E-08	1.57E-07	8.43E-08
4002 474863.09, 3854377.25	3.88E-03	1.22E-06	1.62E-07	2.07E-03	6.52E-07	8.61E-08	2.74E-04	8.65E-08	1.14E-08	2.87E-04	9.07E-08	1.20E-08	1.62E-07	8.66E-08
4003 475363.09, 3854377.25	3.92E-03	1.24E-06	1.63E-07	2.08E-03	6.56E-07	8.66E-08	2.62E-04	8.26E-08	1.09E-08	2.74E-04	8.65E-08	1.14E-08	1.64E-07	8.71E-08
4004 475863.09, 3854377.25	3.60E-03	1.14E-06	1.50E-07	1.91E-03	6.01E-07	7.94E-08	2.37E-04	7.47E-08	9.85E-09	2.45E-04	7.73E-08	1.02E-08	1.50E-07	7.97E-08
4005 476363.09, 3854377.25	3.58E-03	1.13E-06	1.49E-07	1.89E-03	5.98E-07	7.89E-08	2.38E-04	7.52E-08	9.92E-09	2.45E-04	7.73E-08	1.02E-08	1.49E-07	7.92E-08
4006 476863.09, 3854377.25	3.68E-03	1.16E-06	1.53E-07	1.95E-03	6.15E-07	8.12E-08	2.44E-04	7.71E-08	1.02E-08	2.50E-04	7.88E-08	1.04E-08	1.54E-07	8.15E-08
4007 477363.09, 3854377.25	3.80E-03	1.20E-06	1.58E-07	2.01E-03	6.35E-07	8.39E-08	2.52E-04	7.96E-08	1.05E-08	2.58E-04	8.14E-08	1.07E-08	1.59E-07	8.41E-08
4008 477863.09, 3854377.25	4.01E-03	1.27E-06	1.67E-07	2.12E-03	6.69E-07	8.84E-08	2.63E-04	8.31E-08	1.10E-08	2.68E-04	8.45E-08	1.12E-08	1.67E-07	8.85E-08
4009 478363.09, 3854377.25	4.40E-03	1.39E-06	1.84E-07	2.33E-03	7.34E-07	9.69E-08	2.84E-04	8.95E-08	1.18E-08	2.87E-04	9.07E-08	1.20E-08	1.84E-07	9.71E-08
4010 478863.09, 3854377.25	4.75E-03	1.50E-06	1.98E-07	2.51E-03	7.91E-07	1.04E-07	2.98E-04	9.39E-08	1.24E-08	3.00E-04	9.48E-08	1.25E-08	1.98E-07	1.04E-07
4011 479363.09, 3854377.25	5.72E-03	1.80E-06	2.38E-07	3.00E-03	9.48E-07	1.25E-07	3.43E-04	1.08E-07	1.43E-08	3.51E-04	1.11E-07	1.46E-08	2.38E-07	1.25E-07
4012 479863.09, 3854377.25	6.71E-03	2.12E-06	2.80E-07	3.51E-03	1.11E-06	1.46E-07	3.81E-04	1.20E-07	1.59E-08	3.95E-04	1.25E-07	1.65E-08	2.80E-07	1.47E-07
4013 480363.09, 3854377.25	8.15E-03	2.57E-06	3.40E-07	4.26E-03	1.34E-06	1.77E-07	4.53E-04	1.43E-07	1.89E-08	4.73E-04	1.49E-07	1.97E-08	3.40E-07	1.78E-07
4014 480863.09, 3854377.25	1.02E-02	3.21E-06	4.24E-07	5.33E-03	1.68E-06	2.22E-07	5.84E-04	1.84E-07	2.43E-08	6.09E-04	1.92E-07	2.54E-08	4.25E-07	2.23E-07
4015 481363.09, 3854377.25	1.23E-02	3.89E-06	5.13E-07	6.50E-03	2.05E-06	2.71E-07	7.80E-04	2.46E-07	3.25E-08	7.85E-04	2.48E-07	3.27E-08	5.13E-07	2.71E-07
4016 481863.09, 3854377.25	1.59E-02	5.03E-06	6.64E-07	8.54E-03	2.70E-06	3.56E-07	1.23E-03	3.87E-07	5.10E-08	1.05E-03	3.31E-07	4.37E-08	6.56E-07	3.49E-07
4017 482363.09, 3854377.25	2.64E-02	8.33E-06	1.10E-06	1.42E-02	4.48E-06	5.91E-07	2.08E-03	6.55E-07	8.65E-08	1.41E-03	4.44E-07	5.86E-08	1.07E-06	5.63E-07
4018 482863.09, 3854377.25	1.52E-01	4.79E-05	6.33E-06	9.45E-02	2.98E-05	3.94E-06	3.19E-02	1.01E-05	1.33E-06	2.45E-03	7.73E-07	1.02E-07	5.10E-06	2.71E-06
4019 483363.09, 3854377.25	1.57E-01	4.94E-05	6.52E-06	7.98E-02	2.52E-05	3.32E-06	5.53E-03	1.74E-06	2.30E-07	9.25E-03	2.92E-06	3.85E-07	6.68E-06	3.48E-06
4020 483863.09, 3854377.25	9.68E-02	3.05E-05	4.03E-06	4.88E-02	1.54E-05	2.03E-06	2.56E-03	8.09E-07	1.07E-07	1.50E-02	4.73E-06	6.25E-07	4.55E-06	2.55E-06
4021 484363.09, 3854377.25	5.80E-02	1.83E-05	2.42E-06	2.93E-02	9.25E-06	1.22E-06	1.67E-03	5.27E-07	6.96E-08	5.12E-03	1.62E-06	2.13E-07	2.56E-06	1.37E-06
4022 484863.09, 3854377.25	3.87E-02	1.22E-05	1.61E-06	1.97E-02	6.20E-06	8.19E-07	1.24E-03	3.91E-07	5.16E-08	2.83E-03	8.93E-07	1.18E-07	1.68E-06	8.85E-07
4023 485363.09, 3854377.25	3.54E-02	1.12E-05	1.47E-06	1.80E-02	5.67E-06	7.49E-07	1.17E-03	3.71E-07	4.89E-08	2.48E-03	7.83E-07	1.03E-07	1.53E-06	8.03E-07
4024 485863.09, 3854377.25	2.88E-02	9.08E-06	1.20E-06	1.46E-02	4.62E-06	6.10E-07	9.76E-04	3.08E-07	4.07E-08	1.81E-03	5.72E-07	7.56E-08	1.23E-06	6.44E-07
4025 486363.09, 3854377.25	2.67E-02	8.44E-06	1.11E-06	1.36E-02	4.29E-06	5.66E-07	9.05E-04	2.86E-07	3.77E-08	1.60E-03	5.04E-07	6.65E-08	1.14E-06	5.95E-07
4026 486863.09, 3854377.25	2.40E-02	7.59E-06	1.00E-06	1.22E-02	3.86E-06	5.10E-07	8.24E-04	2.60E-07	3.43E-08	1.36E-03	4.28E-07	5.65E-08	1.02E-06	5.32E-07
4027 487363.09, 3854377.25	2.29E-02	7.23E-06	9.54E-07	1.17E-02	3.68E-06	4.86E-07	8.05E-04	2.54E-07	3.35E-08	1.27E-03	4.00E-07	5.28E-08	9.74E-07	5.05E-07
4028 487863.09, 3854377.25	2.21E-02	6.99E-06	9.22E-07	1.13E-02	3.57E-06	4.71E-07	8.19E-04	2.59E-07	3.41E-08	1.24E-03	3.90E-07	5.15E-08	9.40E-07	4.88E-07
4029 488363.09, 3854377.25	2.12E-02	6.68E-06	8.82E-07	1.08E-02	3.42E-06	4.51E-07	8.15E-04	2.57E-07	3.39E-08	1.18E-03	3.73E-07	4.92E-08	8.97E-07	4.67E-07
4030 488863.09, 3854377.25	2.03E-02	6.42E-06	8.47E-07	1.04E-02	3.29E-06	4.34E-07	8.00E-04	2.53E-07	3.33E-08	1.12E-03	3.55E-07	4.69E-08	8.60E-07	4.47E-07
4031 489363.09, 3854377.25	1.95E-02	6.16E-06	8.13E-07	1.00E-02	3.16E-06	4.17E-07	7.82E-04	2.47E-07	3.26E-08	1.07E-03	3.36E-07	4.44E-08	8.25E-07	4.29E-07
4032 489863.09, 3854377.25	1.88E-02	5.92E-06	7.81E-07	9.62E-03	3.04E-06	4.01E-07	7.57E-04	2.39E-07	3.15E-08	1.01E-03	3.18E-07	4.20E-08	7.92E-07	4.11E-07
4033 490363.09, 3854377.25	1.80E-02	5.69E-06	7.52E-07	9.25E-03	2.92E-06	3.85E-07	7.30E-04	2.30E-07	3.04E-08	9.53E-04	3.01E-07	3.97E-08	7.61E-07	3.95E-07
4034 490863.09, 3854377.25	1.66E-02	5.24E-06	6.92E-07	8.51E-03	2.69E-06	3.55E-07	6.60E-04	2.08E-07	2.75E-08	8.42E-04	2.66E-07	3.51E-08	7.00E-07	3.62E-07
4035 491363.09, 3854377.25	1.65E-02	5.22E-06	6.89E-07	8.49E-03	2.68E-06	3.54E-07	6.75E-04	2.13E-07	2.81E-08	8.52E-04	2.69E-07	3.55E-08	6.97E-07	3.61E-07
4036 491863.09, 3854377.25	1.63E-02	5.13E-06	6.77E-07	8.36E-03	2.64E-06	3.48E-07	6.83E-04	2.16E-07	2.85E-08	8.49E-04	2.68E-07	3.54E-08	6.84E-07	3.55E-07
4037 492363.09, 3854377.25	1.58E-02	5.00E-06	6.60E-07	8.15E-03	2.57E-06	3.40E-07	6.77E-04	2.14E-07	2.82E-08	8.31E-04	2.62E-07	3.46E-08	6.67E-07	3.46E-07
4038 492863.09, 3854377.25	1.54E-02	4.86E-06	6.41E-07	7.92E-03	2.50E-06	3.30E-07	6.61E-04	2.09E-07	2.75E-08	8.01E-04	2.53E-07	3.34E-08	6.47E-07	3.36E-07

4039 493363.09, 3854377.25	1.49E-02	4.70E-06	6.21E-07	7.66E-03	2.42E-06	3.19E-07	6.41E-04	2.02E-07	2.67E-08	7.69E-04	2.43E-07	3.20E-08	6.26E-07	3.25E-07
4040 493863.09, 3854377.25	1.44E-02	4.54E-06	6.00E-07	7.41E-03	2.34E-06	3.09E-07	6.20E-04	1.96E-07	2.58E-08	7.36E-04	2.32E-07	3.07E-08	6.05E-07	3.13E-07
4041 494363.09, 3854377.25	1.39E-02	4.39E-06	5.80E-07	7.16E-03	2.26E-06	2.98E-07	6.00E-04	1.89E-07	2.50E-08	7.07E-04	2.23E-07	2.94E-08	5.84E-07	3.03E-07
4042 494863.09, 3854377.25	1.27E-02	4.01E-06	5.30E-07	6.55E-03	2.07E-06	2.73E-07	5.48E-04	1.73E-07	2.28E-08	6.37E-04	2.01E-07	2.65E-08	5.34E-07	2.76E-07
4043 495363.09, 3854377.25	1.11E-02	3.51E-06	4.64E-07	5.73E-03	1.81E-06	2.39E-07	4.92E-04	1.55E-07	2.05E-08	5.65E-04	1.78E-07	2.35E-08	4.67E-07	2.42E-07
4044 495863.09, 3854377.25	1.00E-02	3.16E-06	4.17E-07	5.17E-03	1.63E-06	2.15E-07	4.56E-04	1.44E-07	1.90E-08	5.16E-04	1.63E-07	2.15E-08	4.19E-07	2.18E-07
4045 496363.09, 3854377.25	9.47E-03	2.99E-06	3.95E-07	4.89E-03	1.54E-06	2.04E-07	4.37E-04	1.38E-07	1.82E-08	4.90E-04	1.55E-07	2.04E-08	3.97E-07	2.06E-07
4046 496863.09, 3854377.25	8.75E-03	2.76E-06	3.65E-07	4.53E-03	1.43E-06	1.89E-07	4.15E-04	1.31E-07	1.73E-08	4.59E-04	1.45E-07	1.91E-08	3.66E-07	1.90E-07
4047 497363.09, 3854377.25	7.74E-03	2.44E-06	3.22E-07	4.01E-03	1.27E-06	1.67E-07	3.79E-04	1.20E-07	1.58E-08	4.13E-04	1.30E-07	1.72E-08	3.24E-07	1.69E-07
4048 497863.09, 3854377.25	7.80E-03	2.46E-06	3.25E-07	4.04E-03	1.28E-06	1.68E-07	3.82E-04	1.21E-07	1.59E-08	4.16E-04	1.31E-07	1.73E-08	3.26E-07	1.70E-07
4049 498363.09, 3854377.25	7.23E-03	2.28E-06	3.01E-07	3.75E-03	1.18E-06	1.56E-07	3.62E-04	1.14E-07	1.51E-08	3.92E-04	1.24E-07	1.63E-08	3.03E-07	1.58E-07
4050 471363.09, 3854877.25	2.79E-03	8.81E-07	1.16E-07	1.50E-03	4.75E-07	6.27E-08	2.26E-04	7.12E-08	9.40E-09	2.35E-04	7.42E-08	9.79E-09	1.17E-07	6.31E-08
4051 471863.09, 3854877.25	2.91E-03	9.19E-07	1.21E-07	1.57E-03	4.95E-07	6.53E-08	2.33E-04	7.37E-08	9.72E-09	2.43E-04	7.68E-08	1.01E-08	1.22E-07	6.57E-08
4052 472363.09, 3854877.25	3.03E-03	9.56E-07	1.26E-07	1.63E-03	5.14E-07	6.79E-08	2.40E-04	7.56E-08	9.99E-09	2.50E-04	7.88E-08	1.04E-08	1.27E-07	6.83E-08
4053 472863.09, 3854877.25	3.14E-03	9.92E-07	1.31E-07	1.69E-03	5.32E-07	7.02E-08	2.41E-04	7.61E-08	1.01E-08	2.51E-04	7.93E-08	1.05E-08	1.31E-07	7.06E-08
4054 473363.09, 3854877.25	3.31E-03	1.04E-06	1.38E-07	1.77E-03	5.59E-07	7.38E-08	2.51E-04	7.91E-08	1.04E-08	2.61E-04	8.24E-08	1.09E-08	1.38E-07	7.42E-08
4055 473863.09, 3854877.25	3.47E-03	1.10E-06	1.45E-07	1.86E-03	5.86E-07	7.74E-08	2.60E-04	8.21E-08	1.08E-08	2.71E-04	8.55E-08	1.13E-08	1.45E-07	7.78E-08
4056 474363.09, 3854877.25	3.68E-03	1.16E-06	1.53E-07	1.97E-03	6.21E-07	8.20E-08	2.73E-04	8.60E-08	1.14E-08	2.84E-04	8.96E-08	1.18E-08	1.54E-07	8.24E-08
4057 474863.09, 3854877.25	3.72E-03	1.18E-06	1.55E-07	1.98E-03	6.24E-07	8.24E-08	2.54E-04	8.01E-08	1.06E-08	2.64E-04	8.35E-08	1.10E-08	1.56E-07	8.28E-08
4058 475363.09, 3854877.25	3.59E-03	1.13E-06	1.50E-07	1.90E-03	6.00E-07	7.91E-08	2.35E-04	7.42E-08	9.79E-09	2.42E-04	7.62E-08	1.01E-08	1.50E-07	7.94E-08
4059 475863.09, 3854877.25	3.44E-03	1.09E-06	1.43E-07	1.82E-03	5.73E-07	7.57E-08	2.21E-04	6.97E-08	9.20E-09	2.25E-04	7.11E-08	9.38E-09	1.43E-07	7.58E-08
4060 476363.09, 3854877.25	3.16E-03	9.97E-07	1.32E-07	1.67E-03	5.27E-07	6.95E-08	2.04E-04	6.43E-08	8.48E-09	2.04E-04	6.44E-08	8.50E-09	1.32E-07	6.95E-08
4061 476863.09, 3854877.25	3.29E-03	1.04E-06	1.37E-07	1.73E-03	5.47E-07	7.22E-08	2.07E-04	6.53E-08	8.61E-09	2.09E-04	6.59E-08	8.70E-09	1.37E-07	7.23E-08
4062 477363.09, 3854877.25	3.62E-03	1.14E-06	1.51E-07	1.91E-03	6.02E-07	7.94E-08	2.26E-04	7.12E-08	9.40E-09	2.27E-04	7.16E-08	9.45E-09	1.51E-07	7.95E-08
4063 477863.09, 3854877.25	3.90E-03	1.23E-06	1.63E-07	2.06E-03	6.50E-07	8.57E-08	2.44E-04	7.71E-08	1.02E-08	2.46E-04	7.78E-08	1.03E-08	1.63E-07	8.58E-08
4064 478363.09, 3854877.25	4.52E-03	1.43E-06	1.88E-07	2.38E-03	7.51E-07	9.91E-08	2.76E-04	8.70E-08	1.15E-08	2.79E-04	8.81E-08	1.16E-08	1.89E-07	9.92E-08
4065 478863.09, 3854877.25	5.32E-03	1.68E-06	2.22E-07	2.79E-03	8.81E-07	1.16E-07	3.16E-04	9.99E-08	1.32E-08	3.22E-04	1.01E-07	1.34E-08	2.22E-07	1.17E-07
4066 479363.09, 3854877.25	6.51E-03	2.06E-06	2.71E-07	3.40E-03	1.07E-06	1.42E-07	3.59E-04	1.13E-07	1.49E-08	3.69E-04	1.16E-07	1.54E-08	2.72E-07	1.42E-07
4067 479863.09, 3854877.25	7.80E-03	2.46E-06	3.25E-07	4.06E-03	1.28E-06	1.69E-07	4.07E-04	1.29E-07	1.70E-08	4.24E-04	1.34E-07	1.77E-08	3.25E-07	1.70E-07
4068 480363.09, 3854877.25	9.14E-03	2.89E-06	3.81E-07	4.74E-03	1.50E-06	1.98E-07	4.54E-04	1.43E-07	1.89E-08	4.82E-04	1.52E-07	2.01E-08	3.82E-07	1.99E-07
4069 480863.09, 3854877.25	1.10E-02	3.48E-06	4.59E-07	5.72E-03	1.81E-06	2.38E-07	5.59E-04	1.77E-07	2.33E-08	5.91E-04	1.86E-07	2.46E-08	4.60E-07	2.40E-07
4070 481363.09, 3854877.25	1.35E-02	4.25E-06	5.61E-07	7.00E-03	2.21E-06	2.92E-07	6.89E-04	2.18E-07	2.87E-08	6.97E-04	2.20E-07	2.90E-08	5.62E-07	2.92E-07
4071 481863.09, 3854877.25	1.83E-02	5.77E-06	7.62E-07	9.41E-03	2.97E-06	3.92E-07	7.90E-04	2.49E-07	3.29E-08	7.72E-04	2.44E-07	3.22E-08	7.61E-07	3.91E-07
4072 482363.09, 3854877.25	2.79E-02	8.79E-06	1.16E-06	1.46E-02	4.60E-06	6.07E-07	1.57E-03	4.94E-07	6.53E-08	1.01E-03	3.18E-07	4.20E-08	1.14E-06	5.84E-07
4073 482863.09, 3854877.25	1.19E-01	3.75E-05	4.94E-06	6.02E-02	1.90E-05	2.51E-06	3.79E-03	1.20E-06	1.58E-07	1.28E-03	4.03E-07	5.32E-08	4.84E-06	2.40E-06
4074 483363.09, 3854877.25	1.80E-01	5.69E-05	7.51E-06	9.96E-02	3.14E-05	4.15E-06	1.83E-02	5.76E-06	7.61E-07	1.80E-03	5.68E-07	7.50E-08	6.83E-06	3.46E-06
4075 483863.09, 3854877.25	1.82E-01	5.74E-05	7.58E-06	9.14E-02	2.89E-05	3.81E-06	4.49E-03	1.42E-06	1.87E-07	3.44E-03	1.09E-06	1.43E-07	7.53E-06	3.77E-06
4076 484363.09, 3854877.25	1.89E-01	5.96E-05	7.87E-06	9.35E-02	2.95E-05	3.90E-06	2.43E-03	7.66E-07	1.01E-07	2.09E-02	6.61E-06	8.72E-07	8.64E-06	4.67E-06
4077 484863.09, 3854877.25	1.01E-01	3.18E-05	4.20E-06	5.03E-02	1.59E-05	2.09E-06	1.81E-03	5.72E-07	7.55E-08	1.34E-02	4.23E-06	5.59E-07	4.69E-06	2.58E-06
4078 485363.09, 3854877.25	6.49E-02	2.05E-05	2.70E-06	3.25E-02	1.03E-05	1.36E-06	1.47E-03	4.65E-07	6.13E-08	5.12E-03	1.62E-06	2.13E-07	2.86E-06	1.51E-06
4079 485863.09, 3854877.25	4.99E-02	1.58E-05	2.08E-06	2.51E-02	7.93E-06	1.05E-06	1.26E-03	3.97E-07	5.23E-08	3.14E-03	9.90E-07	1.31E-07	2.16E-06	1.12E-06
4080 486363.09, 3854877.25	4.09E-02	1.29E-05	1.70E-06	2.06E-02	6.51E-06	8.59E-07	1.10E-03	3.47E-07	4.58E-08	2.27E-03	7.16E-07	9.45E-08	1.75E-06	9.08E-07
4081 486863.09, 3854877.25	3.53E-02	1.11E-05	1.47E-06	1.78E-02	5.62E-06	7.42E-07	9.92E-04	3.13E-07	4.13E-08	1.82E-03	5.73E-07	7.56E-08	1.50E-06	7.76E-07
4082 487363.09, 3854877.25	3.19E-02	1.01E-05	1.33E-06	1.61E-02	5.09E-06	6.72E-07	9.34E-04	2.95E-07	3.89E-08	1.59E-03	5.02E-07	6.63E-08	1.36E-06	7.00E-07
4083 487863.09, 3854877.25	2.91E-02	9.19E-06	1.21E-06	1.47E-02	4.65E-06	6.14E-07	8.94E-04	2.82E-07	3.73E-08	1.44E-03	4.54E-07	5.99E-08	1.24E-06	6.37E-07
4084 488363.09, 3854877.25	2.69E-02	8.50E-06	1.12E-06	1.37E-02	4.32E-06	5.70E-07	8.79E-04	2.77E-07	3.66E-08	1.34E-03	4.22E-07	5.57E-08	1.14E-06	5.89E-07
4085 488863.09, 3854877.25	2.54E-02	8.01E-06	1.06E-06	1.29E-02	4.08E-06	5.38E-07	8.77E-04	2.77E-07	3.65E-08	1.27E-03	4.00E-07	5.28E-08	1.07E-06	5.54E-07
4086 489363.09, 3854877.25	2.39E-02	7.54E-06	9.95E-07	1.22E-02	3.84E-06	5.07E-07	8.58E-04	2.71E-07	3.58E-08	1.19E-03	3.77E-07	4.97E-08	1.01E-06	5.21E-07
4087 489863.09, 3854877.25	2.24E-02	7.08E-06	9.35E-07	1.15E-02	3.61E-06	4.77E-07	8.15E-04	2.57E-07	3.39E-08	1.10E-03	3.48E-07	4.60E-08	9.47E-07	4.89E-07
4088 490363.09, 3854877.25	2.03E-02	6.40E-06	8.45E-07	1.03E-02	3.26E-06	4.30E-07	7.05E-04	2.22E-07	2.94E-08	9.29E-04	2.93E-07	3.87E-08	8.54E-07	4.39E-07
4089 490863.09, 3854877.25	1.65E-02	5.22E-06	6.89E-07	8.44E-03	2.67E-06	3.52E-07	6.05E-04	1.91E-07	2.52E-08	7.56E-04	2.39E-07	3.15E-08	6.96E-07	3.58E-07
4090 491363.09, 3854877.25	1.70E-02	5.35E-06	7.07E-07	8.66E-03	2.73E-06	3.61E-07	6.19E-04	1.95E-07	2.58E-08	7.72E-04	2.44E-07	3.22E-08	7.13E-07	3.67E-07
4091 491863.09, 3854877.25	1.86E-02	5.87E-06	7.75E-07	9.53E-03	3.01E-06	3.97E-07	7.24E-04	2.28E-07	3.02E-08	9.03E-04	2.85E-07	3.76E-08	7.83E-07	4.04E-07
4092 492363.09, 3854877.25	1.80E-02	5.68E-06	7.50E-07	9.23E-03	2.91E-06	3.84E-07	7.19E-04	2.27E-07	3.00E-08	8.80E-04	2.78E-07	3.67E-08	7.57E-07	3.91E-07
4093 492863.09, 3854877.25	1.73E-02	5.47E-06	7.22E-07	8.88E-03	2.80E-06	3.70E-07	6.96E-04	2.20E-07	2.90E-08	8.41E-04	2.65E-07	3.50E-08	7.28E-07	3.76E-07
4094 493363.09, 3854877.25	1.66E-02	5.25E-06	6.92E-07	8.52E-03	2.69E-06	3.55E-07	6.66E-04	2.10E-07	2.77E-08	7.98E-04	2.52E-07	3.33E-08	6.98E-07	3.60E-07
4095 493863.09, 3854877.25	1.60E-02	5.05E-06	6.66E-07	8.20E-03	2.59E-06	3.41E-07	6.42E-04	2.03E-07	2.68E-08	7.64E-04	2.41E-07	3.18E-08	6.71E-07	3.46E-07
4096 494363.09, 3854877.25	1.44E-02	4.54E-06	5.99E-07	7.37E-03	2.33E-06	3.07E-07	5.69E-04	1.79E-07	2.37E-08	6.68E-04	2.11E-07	2.78E-08	6.03E-07	3.11E-07
4097 494863.09, 3854877.25	1.19E-02	3.77E-06	4.97E-07	6.13E-03	1.93E-06	2.55E-07	4.97E-04	1.57E-07	2.07E-08	5.68E-04	1.79E-07	2.37E-08	5.00E-07	2.58E-07
4098 495363.09, 3854877.25	1.04E-02	3.28E-06	4.33E-07	5.35E-03	1.69E-06	2.23E-07	4.51E-04	1.42E-07	1.88E-08	5.06E-04	1.60E-07	2.11E-08	4.35E-07	2.25E-07
4099 495863.09, 3854877.25	9.51E-03	3.00E-06	3.96E-07	4.90E-03	1.55E-06	2.04E-07	4.26E-04	1.34E-07	1.78E-08	4.72E-04	1.49E-07	1.97E-08	3.98E-07	2.06E-07
4100 496363.09, 3854877.25	8.46E-03	2.67E-06	3.52E-07	4.37E-03	1.38E-06	1.82E-07	3.92E-04	1.24E-07	1.63E-08	4.26E-04	1.34E-07	1.77E-08	3.54E-07	1.83E-07
4101 496863.09, 3854877.25	7.83E-03	2.47E-06	3.26E-07	4.05E-03	1.28E-06	1.69E-07	3.70E-04	1.17E-07	1.54E-08	4.00E-04	1.26E-07	1.67E-08	3.27E-07	1.70E-07
4102 497363.09, 3854877.25	7.60E-03	2.40E-06	3.16E-07	3.93E-03	1.24E-06	1.64E-07	3.63E-04	1.15E-07	1.51E-08	3.92E-04	1.24E-07	1.63E-08	3.18E-07	1.65E-07
4103 497863.09, 3854877.25	7.82E-03	2.47E-06	3.26E-07	4.05E-03	1.28E-06	1.69E-07	3.76E-04	1.19E-07	1.57E-08	4.05E-04	1.28E-07	1.69E-08	3.27E-07	1.70E-07
4104 498363.09, 3854877.25	7.65E-03	2.41E-06	3.19E-07	3.96E-03	1.25E-06	1.65E-07	3.71E-04	1.17E-07	1.55E-08	3.98E-04	1.26E-07	1.66E-08	3.20E-07	1.66E-07
4105 471363.09, 3855377.25	2.72E-03	8.58E-07	1.13E-07	1.47E-03	4.62E-07	6.10E-08	2.21E-04	6.97E-08	9.20E-09	2.32E-04	7.32E-08	9.66E-09	1.14E-07	6.15E-08
4106 471863.09, 3855377.25	2.83E-03	8.95E-07	1.18E-07	1.53E-03	4.81E-07	6.35E-08	2.26E-04	7.12E-08	9.40E-09	2.37E-04	7.47E-08	9.86E-09	1.19E-07	6.40E-08
4107 472363.09, 3855377.25	2.98E-03	9.41E-07	1.24E-07	1.60E-03	5.06E-07	6.68E-08	2.33E-04	7.37E-08	9.72E-09	2.45E-04	7.73E-08	1.02E-08	1.25E-07	6.72E-08
4108 472863.09, 3855377.25	3.10E-03	9.78E-07	1.29E-07	1.66E-03	5.24E-07	6.92E-08	2.37E-04	7.47E-08	9.85E-09	2.48E-04	7.83E-08	1.03E-08	1.30E-07	6.97E-08
4109 473363.09, 3855377.25	3.26E-03	1.03E-06	1.36E-07	1.75E-03	5.52E-07	7.28E-08	2.48E-04	7.81E-08	1.03E-08	2.60E-04	8.19E-08	1.08E-08	1.36E-07	7.33E-08
4110 473863.09, 3855377.25	3.43E-03	1.08E-06	1.43E-07	1.83E-03	5.79E-07	7.64E-08	2.57E-04	8.11E-08	1.07E-08	2.69E-04	8.50E-08	1.12E-08	1.43E-07	7.69E-08
4111 474363.09, 3855377.25	3.62E-03	1.14E-06	1.51E-07	1.93E-03	6.10E-07	8.05E-08	2.65E-04	8.36E-08	1.10E-08	2.77E-04	8.76E-08	1.16E-08	1.51E-07	8.10E-08
4112 474863.09, 3855377.25	3.68E-03	1.16E-06	1.53E-07	1.95E-03	6.15E-07	8.12E-08	2.48E-04	7.81E-08	1.03E-08	2.60E-04	8.19E-08	1.08E-08	1.54E-07	8.17E-08
4113 475363.09, 3855377.25	3.04E-03	9.59E-07	1.27E-07	1.61E-03	5.07E-07	6.70E-08	2.01E-04	6.33E-08	8.35E-09	2.06E-04	6.49E-08	8.57E-09	1.27E-07	6.72E-08
4114 475863.09, 3855377.25	2.93E-03	9.26E-07	1.22E-07	1.55E-03	4.90E-07	6.46E-08	1.93E-04	6.08E-08	8.03E-09	1.94E-04	6.13E-08	8.09E-09	1.22E-07	6.47E-08
4115 476363.09, 3855377.25	3.17E-03	1.00E-06	1.32E-07	1.68E-03	5.29E-07	6.98E-08	2.05E-04	6.48E-08	8.55E-09	2.07E-04	6.54E-08	8.64E-09	1.32E-07	6.99E-08
4116 476863.09, 3855377.25	3.31E-03	1.05E-06	1.38E-07	1.75E-03	5.52E-07	7.29E-08	2.10E-04	6.63E-08	8.75E-09	2.11E-04	6.65E-08	8.77E-09	1.38E-07	7.29E-08
4117 477363.09, 3855377.25	3.55E-03	1.12E-06	1.48E-07	1.87E-03	5.90E-07	7.79E-08	2.21E-04	6.97E-08	9.20E-09	2.22E-04	7.01E-08	9.25E-09	1.48E-07	7.80E-08
4118 477863.09, 3855377.25	4.02E-03	1.27E-06	1.68E-07	2.12E-03	6.68E-07	8.81E-08	2.44E-04	7.71E-08	1.02E-08	2.46E-04	7.78E-08	1.03E-08	1.68E-07	8.82E-08
4119 478363.09, 3855377.25	4.65E-03	1.47E-06	1.94E-07	2.44E-03	7.69E-07	1.02E-07	2.71E-04	8.55E-08	1.13E-08	2.76E-04	8.71E-08	1.15E-08	1.94E-07	1.02E-07
4120 478863.09, 3855377.25	5.35E-03	1.69E-06	2.23E-07	2.80E-03	8.83E-07	1.17E-07	3.01E-04	9.49E-08	1.25E-08	3.07E-04	9.69E-08	1.28E-08	2.23E-07	1.17E-07
4121 479363.09, 3855377.25	6.47E-03	2.04E-06	2.69E-07	3.36E-03	1.06E-06	1.40E-07	3.35E-04	1.06E-07	1.40E-08	3.49E-04	1.10E-07	1.46E-08	2.70E-07	1.41E-07
4122 479863.09, 3855377.25	7.69E-03	2.43E-06	3.20E-07	3.98E-03	1.26E-06	1.66E-07	3.74E-04	1.18E-07	1.56E-08	3.95E-04	1.25E-07	1.65E-08	3.21E-07	1.67E-07
4123 480363.09, 3855377.25	9.49E-03	3.00E-06	3.95E-07	4.90E-03	1.55E-06	2.04E-07	4.37E-04	1.38E-07	1.82E-08	4.72E-04	1.49E-07	1.97E-08	3.97E-07	2.06E-07
4124 480863.09, 3855377.25	1.14E-02	3.60E-06	4.75E-07	5.90E-03	1.86E-06	2.46E-07	5.39E-04	1.70E-07	2.25E-08	5.63E-04	1.78E-07	2.35E-08	4.76E-07	2.47E-07
4125 481363.09, 3855377.25	1.34E-02	4.24E-06	5.60E-07	6.99E-03	2.21E-06	2.91E-07	6.91E-04	2.18E-07	2.88E-08	6.55E-04	2.07E-07	2.73E-08	5.59E-07	2.90E-07
4126 481863.09, 3855377.25	1.74E-02	5.49E-06	7.25E-07	9.04E-03	2.85E-06	3.77E-07	8.84E-04	2.79E-07	3.68E-08	7.31E-04	2.31E-07	3.05E-08	7.19E-07	3.70E-07
4127 482363.09, 3855377.25	2.73E-02	8.60E-06	1.14E-06	1.40E-02	4.42E-06	5.84E-07	1.16E-03	3.66E-07	4.84E-08	8.05E-04	2.54E-07	3.35E-08	1.12E-06	5.69E-07
4128 482863.09, 3855377.25	1.15E-01	3.62E-05	4.77E-06	5.69E-02	1.80E-05	2.37E-06	1.72E-03	5.43E-07	7.17E-08	9.24E-04	2.92E-07	3.85E-08	4.74E-06	2.34E-06
4129 483363.09, 3855377.25	1.63E-01	5.14E-05	6.78E-06	8.17E-02	2.58E-05	3.40E-06	3.82E-03	1.21E-06	1.59E-07	1.10E-03	3.48E-07	4.59E-08	6.67E-06	3.29E-06
4130 483863.09, 3855377.25	2.07E-01	6.53E-05	8.63E-06	1.17E-01	3.68E-05	4.86E-06	2.47E-02	7.81E-06	1.03E-06	1.47E-03	4.64E-07	6.12E-08	7.66E-06	3.89E-06
4131 484363.09, 3855377.25	1.95E-01	6.15E-05	8.12E-06	9.81E-02	3.10E-05	4.09E-06	4.93E-03	1.56E-06	2.05E-07	2.23E-03	7.05E-07	9.31E-08	8.01E-06	3.97E-06
4132 484863.09, 3855377.25	1.95E-01	6.16E-05	8.14E-06	9.70E-02	3.06E-05	4.04E-06	2.96E-03	9.35E-07	1.23E-07	6.12E-03	1.93E-06	2.55E-07	8.27E-06	4.17E-06

4133 485363.09, 3855377.25	1.23E-01	3.90E-05	5.14E-06	6.14E-02	1.94E-05	2.56E-06	2.12E-03	6.69E-07	8.83E-08	1.41E-02	4.46E-06	5.89E-07	5.64E-06	3.06E-06
4134 485863.09, 3855377.25	7.59E-02	2.40E-05	3.16E-06	3.81E-02	1.20E-05	1.59E-06	1.69E-03	5.32E-07	7.03E-08	5.16E-03	1.63E-06	2.15E-07	3.31E-06	1.73E-06
4135 486363.09, 3855377.25	5.94E-02	1.87E-05	2.47E-06	2.98E-02	9.40E-06	1.24E-06	1.39E-03	4.40E-07	5.80E-08	3.20E-03	1.01E-06	1.33E-07	2.55E-06	1.32E-06
4136 486863.09, 3855377.25	4.89E-02	1.54E-05	2.04E-06	2.46E-02	7.76E-06	1.02E-06	1.21E-03	3.81E-07	5.03E-08	2.34E-03	7.40E-07	9.77E-08	2.09E-06	1.07E-06
4137 487363.09, 3855377.25	4.22E-02	1.33E-05	1.76E-06	2.13E-02	6.71E-06	8.86E-07	1.14E-03	3.60E-07	4.75E-08	2.00E-03	6.32E-07	8.34E-08	1.79E-06	9.22E-07
4138 487863.09, 3855377.25	3.70E-02	1.17E-05	1.54E-06	1.87E-02	5.91E-06	7.80E-07	1.07E-03	3.39E-07	4.48E-08	1.75E-03	5.53E-07	7.30E-08	1.57E-06	8.08E-07
4139 488363.09, 3855377.25	3.31E-02	1.05E-05	1.38E-06	1.68E-02	5.30E-06	6.99E-07	1.02E-03	3.21E-07	4.24E-08	1.56E-03	4.93E-07	6.50E-08	1.40E-06	7.22E-07
4140 488863.09, 3855377.25	3.02E-02	9.53E-06	1.26E-06	1.53E-02	4.84E-06	6.39E-07	9.76E-04	3.08E-07	4.07E-08	1.42E-03	4.47E-07	5.90E-08	1.28E-06	6.57E-07
4141 489363.09, 3855377.25	2.79E-02	8.82E-06	1.16E-06	1.42E-02	4.48E-06	5.92E-07	9.37E-04	2.96E-07	3.90E-08	1.30E-03	4.11E-07	5.43E-08	1.18E-06	6.07E-07
4142 489863.09, 3855377.25	2.62E-02	8.27E-06	1.09E-06	1.33E-02	4.21E-06	5.56E-07	8.91E-04	2.81E-07	3.71E-08	1.21E-03	3.81E-07	5.03E-08	1.11E-06	5.69E-07
4143 490363.09, 3855377.25	2.46E-02	7.78E-06	1.03E-06	1.26E-02	3.96E-06	5.23E-07	8.77E-04	2.77E-07	3.65E-08	1.14E-03	3.61E-07	4.76E-08	1.04E-06	5.34E-07
4144 490863.09, 3855377.25	2.17E-02	6.84E-06	9.02E-07	1.10E-02	3.47E-06	4.58E-07	6.99E-04	2.21E-07	2.91E-08	9.08E-04	2.86E-07	3.78E-08	9.11E-07	4.67E-07
4145 491363.09, 3855377.25	1.94E-02	6.13E-06	8.10E-07	9.88E-03	3.12E-06	4.12E-07	6.49E-04	2.05E-07	2.70E-08	8.15E-04	2.57E-07	3.39E-08	8.17E-07	4.18E-07
4146 491863.09, 3855377.25	2.10E-02	6.63E-06	8.76E-07	1.07E-02	3.39E-06	4.47E-07	7.71E-04	2.43E-07	3.21E-08	9.57E-04	3.02E-07	3.98E-08	8.83E-07	4.55E-07
4147 492363.09, 3855377.25	2.01E-02	6.35E-06	8.38E-07	1.03E-02	3.24E-06	4.28E-07	7.60E-04	2.40E-07	3.17E-08	9.22E-04	2.91E-07	3.84E-08	8.45E-07	4.35E-07
4148 492863.09, 3855377.25	1.92E-02	6.05E-06	7.99E-07	9.81E-03	3.09E-06	4.09E-07	7.28E-04	2.30E-07	3.03E-08	8.77E-04	2.77E-07	3.65E-08	8.05E-07	4.15E-07
4149 493363.09, 3855377.25	1.81E-02	5.72E-06	7.55E-07	9.26E-03	2.92E-06	3.86E-07	6.77E-04	2.14E-07	2.82E-08	8.15E-04	2.57E-07	3.39E-08	7.61E-07	3.91E-07
4150 493863.09, 3855377.25	1.63E-02	5.15E-06	6.80E-07	8.34E-03	2.63E-06	3.47E-07	6.02E-04	1.90E-07	2.51E-08	7.12E-04	2.25E-07	2.96E-08	6.85E-07	3.52E-07
4151 494363.09, 3855377.25	1.36E-02	4.28E-06	5.65E-07	6.95E-03	2.19E-06	2.89E-07	5.26E-04	1.66E-07	2.19E-08	6.04E-04	1.91E-07	2.52E-08	5.69E-07	2.93E-07
4152 494863.09, 3855377.25	1.12E-02	3.52E-06	4.65E-07	5.73E-03	1.81E-06	2.39E-07	4.62E-04	1.46E-07	1.93E-08	5.14E-04	1.62E-07	2.14E-08	4.67E-07	2.41E-07
4153 495363.09, 3855377.25	9.57E-03	3.02E-06	3.99E-07	4.93E-03	1.56E-06	2.05E-07	4.18E-04	1.32E-07	1.74E-08	4.57E-04	1.44E-07	1.90E-08	4.00E-07	2.07E-07
4154 495863.09, 3855377.25	8.60E-03	2.71E-06	3.58E-07	4.43E-03	1.40E-06	1.85E-07	3.87E-04	1.22E-07	1.61E-08	4.18E-04	1.32E-07	1.74E-08	3.59E-07	1.86E-07
4155 496363.09, 3855377.25	8.31E-03	2.62E-06	3.46E-07	4.29E-03	1.35E-06	1.79E-07	3.81E-04	1.20E-07	1.59E-08	4.08E-04	1.29E-07	1.70E-08	3.47E-07	1.80E-07
4156 496863.09, 3855377.25	8.07E-03	2.55E-06	3.36E-07	4.17E-03	1.32E-06	1.74E-07	3.74E-04	1.18E-07	1.56E-08	4.00E-04	1.26E-07	1.67E-08	3.37E-07	1.75E-07
4157 497363.09, 3855377.25	7.99E-03	2.52E-06	3.33E-07	4.13E-03	1.30E-06	1.72E-07	3.74E-04	1.18E-07	1.56E-08	4.02E-04	1.27E-07	1.67E-08	3.34E-07	1.73E-07
4158 497863.09, 3855377.25	8.06E-03	2.54E-06	3.36E-07	4.17E-03	1.32E-06	1.74E-07	3.82E-04	1.21E-07	1.59E-08	4.06E-04	1.28E-07	1.69E-08	3.37E-07	1.75E-07
4159 498363.09, 3855377.25	8.21E-03	2.59E-06	3.42E-07	4.25E-03	1.34E-06	1.77E-07	3.90E-04	1.23E-07	1.63E-08	4.16E-04	1.31E-07	1.73E-08	3.43E-07	1.78E-07
4160 471363.09, 3855877.25	2.63E-03	8.29E-07	1.09E-07	1.42E-03	4.48E-07	5.91E-08	2.16E-04	6.82E-08	9.01E-09	2.27E-04	7.16E-08	9.45E-09	1.10E-07	5.95E-08
4161 471863.09, 3855877.25	2.74E-03	8.66E-07	1.14E-07	1.48E-03	4.67E-07	6.16E-08	2.21E-04	6.97E-08	9.20E-09	2.33E-04	7.37E-08	9.72E-09	1.15E-07	6.21E-08
4162 472363.09, 3855877.25	2.89E-03	9.14E-07	1.21E-07	1.56E-03	4.92E-07	6.49E-08	2.30E-04	7.27E-08	9.59E-09	2.43E-04	7.68E-08	1.01E-08	1.21E-07	6.54E-08
4163 472863.09, 3855877.25	3.02E-03	9.53E-07	1.26E-07	1.62E-03	5.11E-07	6.75E-08	2.32E-04	7.32E-08	9.66E-09	2.45E-04	7.73E-08	1.02E-08	1.26E-07	6.80E-08
4164 473363.09, 3855877.25	3.20E-03	1.01E-06	1.33E-07	1.71E-03	5.41E-07	7.14E-08	2.43E-04	7.66E-08	1.01E-08	2.58E-04	8.14E-08	1.07E-08	1.34E-07	7.21E-08
4165 473863.09, 3855877.25	3.39E-03	1.07E-06	1.41E-07	1.81E-03	5.73E-07	7.56E-08	2.52E-04	7.96E-08	1.05E-08	2.68E-04	8.45E-08	1.12E-08	1.42E-07	7.62E-08
4166 474363.09, 3855877.25	3.57E-03	1.13E-06	1.49E-07	1.90E-03	6.01E-07	7.93E-08	2.58E-04	8.16E-08	1.08E-08	2.74E-04	8.65E-08	1.14E-08	1.49E-07	8.00E-08
4167 474863.09, 3855877.25	3.61E-03	1.14E-06	1.50E-07	1.91E-03	6.02E-07	7.95E-08	2.37E-04	7.47E-08	9.85E-09	2.51E-04	7.93E-08	1.05E-08	1.51E-07	8.01E-08
4168 475363.09, 3855877.25	3.24E-03	1.02E-06	1.35E-07	1.71E-03	5.40E-07	7.12E-08	2.07E-04	6.53E-08	8.61E-09	2.14E-04	6.75E-08	8.91E-09	1.35E-07	7.15E-08
4169 475863.09, 3855877.25	2.64E-03	8.35E-07	1.10E-07	1.40E-03	4.41E-07	5.83E-08	1.72E-04	5.44E-08	7.18E-09	1.75E-04	5.51E-08	7.28E-09	1.10E-07	5.84E-08
4170 476363.09, 3855877.25	2.79E-03	8.81E-07	1.16E-07	1.47E-03	4.65E-07	6.14E-08	1.79E-04	5.64E-08	7.44E-09	1.81E-04	5.72E-08	7.55E-09	1.16E-07	6.15E-08
4171 476863.09, 3855877.25	3.22E-03	1.02E-06	1.34E-07	1.70E-03	5.37E-07	7.08E-08	2.04E-04	6.43E-08	8.48E-09	2.06E-04	6.49E-08	8.57E-09	1.34E-07	7.09E-08
4172 477363.09, 3855877.25	3.58E-03	1.13E-06	1.49E-07	1.88E-03	5.94E-07	7.84E-08	2.21E-04	6.97E-08	9.20E-09	2.24E-04	7.06E-08	9.32E-09	1.49E-07	7.86E-08
4173 477863.09, 3855877.25	4.02E-03	1.27E-06	1.68E-07	2.11E-03	6.67E-07	8.80E-08	2.38E-04	7.52E-08	9.92E-09	2.43E-04	7.68E-08	1.01E-08	1.68E-07	8.82E-08
4174 478363.09, 3855877.25	4.65E-03	1.47E-06	1.94E-07	2.43E-03	7.67E-07	1.01E-07	2.63E-04	8.31E-08	1.10E-08	2.71E-04	8.55E-08	1.13E-08	1.94E-07	1.02E-07
4175 478863.09, 3855877.25	5.56E-03	1.76E-06	2.32E-07	2.90E-03	9.14E-07	1.21E-07	2.91E-04	9.20E-08	1.21E-08	3.04E-04	9.58E-08	1.26E-08	2.32E-07	1.21E-07
4176 479363.09, 3855877.25	6.72E-03	2.12E-06	2.80E-07	3.48E-03	1.10E-06	1.45E-07	3.27E-04	1.03E-07	1.36E-08	3.48E-04	1.10E-07	1.45E-08	2.81E-07	1.46E-07
4177 479863.09, 3855877.25	7.98E-03	2.52E-06	3.32E-07	4.12E-03	1.30E-06	1.72E-07	3.63E-04	1.15E-07	1.51E-08	3.92E-04	1.24E-07	1.63E-08	3.34E-07	1.73E-07
4178 480363.09, 3855877.25	9.55E-03	3.01E-06	3.98E-07	4.92E-03	1.55E-06	2.05E-07	4.17E-04	1.32E-07	1.74E-08	4.52E-04	1.43E-07	1.88E-08	3.99E-07	2.06E-07
4179 480863.09, 3855877.25	1.14E-02	3.59E-06	4.74E-07	5.85E-03	1.85E-06	2.44E-07	4.92E-04	1.55E-07	2.05E-08	5.22E-04	1.65E-07	2.18E-08	4.75E-07	2.45E-07
4180 481363.09, 3855877.25	1.37E-02	4.33E-06	5.71E-07	7.02E-03	2.21E-06	2.92E-07	5.31E-04	1.68E-07	2.21E-08	5.60E-04	1.77E-07	2.33E-08	5.72E-07	2.94E-07
4181 481863.09, 3855877.25	1.61E-02	5.08E-06	6.71E-07	8.32E-03	2.63E-06	3.47E-07	7.57E-04	2.39E-07	3.15E-08	6.45E-04	2.03E-07	2.69E-08	6.66E-07	3.42E-07
4182 482363.09, 3855877.25	2.19E-02	6.92E-06	9.14E-07	1.13E-02	3.56E-06	4.70E-07	9.24E-04	2.92E-07	3.85E-08	6.84E-04	2.16E-07	2.85E-08	9.04E-07	4.60E-07
4183 482863.09, 3855877.25	3.85E-02	1.21E-05	1.60E-06	1.95E-02	6.15E-06	8.11E-07	1.17E-03	3.68E-07	4.86E-08	7.56E-04	2.39E-07	3.15E-08	1.59E-06	7.94E-07
4184 483363.09, 3855877.25	1.40E-01	4.42E-05	5.83E-06	6.92E-02	2.18E-05	2.88E-06	1.66E-03	5.25E-07	6.93E-08	8.54E-04	2.69E-07	3.56E-08	5.80E-06	2.85E-06
4185 483863.09, 3855877.25	1.74E-01	5.48E-05	7.24E-06	8.68E-02	2.74E-05	3.61E-06	3.43E-03	1.08E-06	1.43E-07	1.02E-03	3.21E-07	4.24E-08	7.13E-06	3.51E-06
4186 484363.09, 3855877.25	2.33E-01	7.37E-05	9.72E-06	1.39E-01	4.40E-05	5.81E-06	4.00E-02	1.26E-05	1.67E-06	1.34E-03	4.24E-07	5.60E-08	8.11E-06	4.20E-06
4187 484863.09, 3855877.25	2.01E-01	6.34E-05	8.37E-06	1.02E-01	3.21E-05	4.24E-06	6.27E-03	1.98E-06	2.61E-07	2.01E-03	6.35E-07	8.38E-08	8.19E-06	4.06E-06
4188 485363.09, 3855877.25	2.00E-01	6.31E-05	8.34E-06	9.96E-02	3.14E-05	4.15E-06	3.48E-03	1.10E-06	1.45E-07	5.37E-03	1.69E-06	2.24E-07	8.41E-06	4.23E-06
4189 485863.09, 3855877.25	1.49E-01	4.72E-05	6.23E-06	7.43E-02	2.34E-05	3.09E-06	2.39E-03	7.53E-07	9.95E-08	1.56E-02	4.93E-06	6.51E-07	6.78E-06	3.65E-06
4190 486363.09, 3855877.25	8.40E-02	2.65E-05	3.50E-06	4.20E-02	1.33E-05	1.75E-06	1.79E-03	5.66E-07	7.47E-08	5.07E-03	1.60E-06	2.11E-07	3.64E-06	1.89E-06
4191 486863.09, 3855877.25	6.45E-02	2.04E-05	2.69E-06	3.24E-02	1.02E-05	1.35E-06	1.50E-03	4.75E-07	6.27E-08	3.21E-03	1.01E-06	1.34E-07	2.76E-06	1.42E-06
4192 487363.09, 3855877.25	5.26E-02	1.66E-05	2.19E-06	2.65E-02	8.37E-06	1.11E-06	1.39E-03	4.39E-07	5.80E-08	2.56E-03	8.07E-07	1.07E-07	2.24E-06	1.15E-06
4193 487863.09, 3855877.25	4.47E-02	1.41E-05	1.86E-06	2.26E-02	7.13E-06	9.41E-07	1.30E-03	4.12E-07	5.44E-08	2.15E-03	6.77E-07	8.94E-08	1.90E-06	9.76E-07
4194 488363.09, 3855877.25	3.91E-02	1.23E-05	1.63E-06	1.98E-02	6.25E-06	8.25E-07	1.22E-03	3.84E-07	5.06E-08	1.84E-03	5.82E-07	7.68E-08	1.65E-06	8.51E-07
4195 488863.09, 3855877.25	3.50E-02	1.11E-05	1.46E-06	1.78E-02	5.61E-06	7.41E-07	1.14E-03	3.59E-07	4.74E-08	1.62E-03	5.12E-07	6.76E-08	1.48E-06	7.61E-07
4196 489363.09, 3855877.25	3.20E-02	1.01E-05	1.33E-06	1.63E-02	5.13E-06	6.77E-07	1.07E-03	3.37E-07	4.45E-08	1.45E-03	4.58E-07	6.05E-08	1.35E-06	6.93E-07
4197 489863.09, 3855877.25	2.96E-02	9.34E-06	1.23E-06	1.51E-02	4.75E-06	6.27E-07	1.01E-03	3.19E-07	4.21E-08	1.32E-03	4.17E-07	5.51E-08	1.25E-06	6.40E-07
4198 490363.09, 3855877.25	2.75E-02	8.69E-06	1.15E-06	1.40E-02	4.43E-06	5.85E-07	9.68E-04	3.06E-07	4.03E-08	1.23E-03	3.87E-07	5.11E-08	1.16E-06	5.95E-07
4199 490863.09, 3855877.25	2.59E-02	8.18E-06	1.08E-06	1.32E-02	4.17E-06	5.50E-07	9.09E-04	2.87E-07	3.79E-08	1.14E-03	3.60E-07	4.75E-08	1.09E-06	5.60E-07
4200 491363.09, 3855877.25	2.45E-02	7.73E-06	1.02E-06	1.24E-02	3.93E-06	5.18E-07	8.16E-04	2.58E-07	3.40E-08	1.03E-03	3.27E-07	4.31E-08	1.03E-06	5.28E-07
4201 491863.09, 3855877.25	2.31E-02	7.30E-06	9.64E-07	1.18E-02	3.73E-06	4.92E-07	8.46E-04	2.67E-07	3.52E-08	1.02E-03	3.22E-07	4.25E-08	9.71E-07	4.99E-07
4202 492363.09, 3855877.25	2.20E-02	6.95E-06	9.18E-07	1.12E-02	3.55E-06	4.68E-07	8.00E-04	2.53E-07	3.33E-08	9.60E-04	3.03E-07	4.00E-08	9.24E-07	4.75E-07
4203 492863.09, 3855877.25	2.09E-02	6.60E-06	8.72E-07	1.07E-02	3.37E-06	4.45E-07	7.61E-04	2.40E-07	3.17E-08	9.04E-04	2.85E-07	3.77E-08	8.78E-07	4.51E-07
4204 493363.09, 3855877.25	1.90E-02	6.00E-06	7.93E-07	9.69E-03	3.06E-06	4.04E-07	6.63E-04	2.09E-07	2.76E-08	7.87E-04	2.48E-07	3.28E-08	7.98E-07	4.09E-07
4205 493863.09, 3855877.25	1.57E-02	4.97E-06	6.56E-07	8.03E-03	2.53E-06	3.34E-07	5.70E-04	1.80E-07	2.38E-08	6.56E-04	2.07E-07	2.73E-08	6.59E-07	3.38E-07
4206 494363.09, 3855877.25	1.25E-02	3.94E-06	5.20E-07	6.39E-03	2.02E-06	2.66E-07	4.93E-04	1.56E-07	2.06E-08	5.48E-04	1.73E-07	2.28E-08	5.22E-07	2.69E-07
4207 494863.09, 3855877.25	1.05E-02	3.30E-06	4.36E-07	5.38E-03	1.70E-06	2.24E-07	4.43E-04	1.40E-07	1.85E-08	4.80E-04	1.51E-07	2.00E-08	4.37E-07	2.26E-07
4208 495363.09, 3855877.25	8.78E-03	2.77E-06	3.66E-07	4.53E-03	1.43E-06	1.89E-07	3.92E-04	1.24E-07	1.63E-08	4.16E-04	1.31E-07	1.73E-08	3.67E-07	1.90E-07
4209 495863.09, 3855877.25	8.50E-03	2.68E-06	3.54E-07	4.39E-03	1.38E-06	1.83E-07	3.85E-04	1.22E-07	1.61E-08	4.08E-04	1.29E-07	1.70E-08	3.55E-07	1.84E-07
4210 496363.09, 3855877.25	8.31E-03	2.62E-06	3.46E-07	4.29E-03	1.35E-06	1.79E-07	3.81E-04	1.20E-07	1.59E-08	4.03E-04	1.27E-07	1.68E-08	3.47E-07	1.80E-07
4211 496863.09, 3855877.25	8.29E-03	2.62E-06	3.45E-07	4.28E-03	1.35E-06	1.78E-07	3.84E-04	1.21E-07	1.60E-08	4.06E-04	1.28E-07	1.69E-08	3.46E-07	1.79E-07
4212 497363.09, 3855877.25	8.32E-03	2.63E-06	3.47E-07	4.30E-03	1.36E-06	1.79E-07	3.88E-04	1.23E-07	1.62E-08	4.11E-04	1.30E-07	1.71E-08	3.48E-07	1.80E-07
4213 497863.09, 3855877.25	8.45E-03	2.67E-06	3.52E-07	4.37E-03	1.38E-06	1.82E-07	3.98E-04	1.26E-07	1.66E-08	4.19E-04	1.32E-07	1.75E-08	3.53E-07	1.83E-07
4214 498363.09, 3855877.25	8.93E-03	2.82E-06	3.72E-07	4.62E-03	1.46E-06	1.92E-07	4.17E-04	1.32E-07	1.74E-08	4.44E-04	1.40E-07	1.85E-08	3.73E-07	1.93E-07
4215 471363.09, 3856377.25	2.56E-03	8.08E-07	1.07E-07	1.38E-03	4.35E-07	5.75E-08	2.07E-04	6.53E-08	8.61E-09	2.19E-04	6.90E-08	9.11E-09	1.07E-07	5.80E-08
4216 471863.09, 3856377.25	2.68E-03	8.44E-07	1.11E-07	1.44E-03	4.54E-07	5.99E-08	2.11E-04	6.67E-08	8.81E-09	2.24E-04	7.06E-08	9.32E-09	1.12E-07	6.05E-08
4217 472363.09, 3856377.25	2.81E-03	8.88E-07	1.17E-07	1.51E-03	4.77E-07	6.30E-08	2.21E-04	6.97E-08	9.20E-09	2.33E-04	7.37E-08	9.72E-09	1.18E-07	6.35E-08
4218 472863.09, 3856377.25	2.97E-03	9.39E-07	1.24E-07	1.60E-03	5.03E-07	6.65E-08	2.29E-04	7.22E-08	9.53E-09	2.43E-04	7.68E-08	1.01E-08	1.25E-07	6.71E-08
4219 473363.09, 3856377.25	3.14E-03	9.90E-07	1.31E-07	1.68E-03	5.30E-07	6.99E-08	2.37E-04	7.47E-08	9.85E-09	2.51E-04	7.93E-08	1.05E-08	1.31E-07	7.06E-08
4220 473863.09, 3856377.25	3.33E-03	1.05E-06	1.39E-07	1.78E-03	5.63E-07	7.43E-08	2.49E-04	7.86E-08	1.04E-08	2.64E-04	8.35E-08	1.10E-08	1.39E-07	7.49E-08
4221 474363.09, 3856377.25	3.48E-03	1.10E-06	1.45E-07	1.85E-03	5.85E-07	7.72E-08	2.48E-04	7.81E-08	1.03E-08	2.64E-04	8.35E-08	1.10E-08	1.46E-07	7.80E-08
4222 474863.09, 3856377.25	3.62E-03	1.14E-06	1.51E-07	1.92E-03	6.05E-07	7.99E-08	2.40E-04	7.56E-08	9.99E-09	2.58E-04	8.14E-08	1.07E-08	1.52E-07	8.07E-08
4223 475363.09, 3856377.25	3.61E-03	1.14E-06	1.51E-07	1.90E-03	6.00E-07	7.93E-08	2.22E-04	7.02E-08	9.27E-09	2.38E-04	7.52E-08	9.93E-09	1.51E-07	7.99E-08
4224 475863.09, 3856377.25	3.29E-03	1.04E-06	1.37E-07	1.73E-03	5.46E-07	7.21E-08	2.02E-04	6.38E-08	8.42E-09	2.12E-04	6.70E-08	8.84E-09	1.37E-07	7.25E-08
4225 476363.09, 3856377.25	3.32E-03	1.05E-06	1.38E-07	1.74E-03	5.50E-07	7.27E-08	2.02E-04	6.38E-08	8.42E-09	2.12E-04	6.70E-08	8.84E-09	1.39E-07	7.31E-08
4226 476863.09, 3856377.25	3.48E-03	1.10E-06	1.45E-07	1.83E-03	5.76E-07	7.61E-08	2.08E-04	6.58E-08	8.68E-09	2.17E-04	6.85E-08	9.04E-09	1.45E-07	7.64E-08

4227	477363.09, 3856377.25	3.71E-03	1.17E-06	1.55E-07	1.95E-03	6.15E-07	8.11E-08	2.19E-04	6.92E-08	9.14E-09	2.27E-04	7.16E-08	9.45E-09	1.55E-07	8.15E-08
4228	477863.09, 3856377.25	3.56E-03	1.12E-06	1.48E-07	1.87E-03	5.90E-07	7.79E-08	2.15E-04	6.77E-08	8.94E-09	2.19E-04	6.90E-08	9.11E-09	1.48E-07	7.80E-08
4229	478363.09, 3856377.25	3.64E-03	1.15E-06	1.52E-07	1.91E-03	6.04E-07	7.97E-08	2.18E-04	6.87E-08	9.07E-09	2.19E-04	6.90E-08	9.11E-09	1.52E-07	7.98E-08
4230	478863.09, 3856377.25	4.95E-03	1.56E-06	2.06E-07	2.58E-03	8.14E-07	1.07E-07	2.63E-04	8.31E-08	1.10E-08	2.71E-04	8.55E-08	1.13E-08	2.07E-07	1.08E-07
4231	479363.09, 3856377.25	5.96E-03	1.88E-06	2.48E-07	3.09E-03	9.74E-07	1.29E-07	2.90E-04	9.15E-08	1.21E-08	3.02E-04	9.53E-08	1.26E-08	2.49E-07	1.29E-07
4232	479863.09, 3856377.25	7.77E-03	2.45E-06	3.24E-07	4.00E-03	1.26E-06	1.67E-07	3.40E-04	1.07E-07	1.42E-08	3.67E-04	1.16E-07	1.53E-08	3.25E-07	1.68E-07
4233	480363.09, 3856377.25	9.32E-03	2.94E-06	3.88E-07	4.80E-03	1.51E-06	2.00E-07	3.99E-04	1.26E-07	1.66E-08	4.31E-04	1.36E-07	1.80E-08	3.90E-07	2.01E-07
4234	480863.09, 3856377.25	1.07E-02	3.38E-06	4.46E-07	5.51E-03	1.74E-06	2.29E-07	4.64E-04	1.46E-07	1.93E-08	4.86E-04	1.54E-07	2.03E-08	4.47E-07	2.30E-07
4235	481363.09, 3856377.25	1.22E-02	3.86E-06	5.09E-07	6.31E-03	1.99E-06	2.63E-07	5.53E-04	1.75E-07	2.30E-08	5.37E-04	1.69E-07	2.24E-08	5.09E-07	2.62E-07
4236	481863.09, 3856377.25	1.41E-02	4.45E-06	5.87E-07	7.30E-03	2.30E-06	3.04E-07	6.75E-04	2.13E-07	2.81E-08	5.84E-04	1.84E-07	2.43E-08	5.84E-07	3.00E-07
4237	482363.09, 3856377.25	1.75E-02	5.52E-06	7.29E-07	9.02E-03	2.85E-06	3.76E-07	7.85E-04	2.48E-07	3.27E-08	6.15E-04	1.94E-07	2.56E-08	7.21E-07	3.69E-07
4238	482863.09, 3856377.25	2.48E-02	7.82E-06	1.03E-06	1.27E-02	4.00E-06	5.28E-07	9.24E-04	2.92E-07	3.85E-08	6.64E-04	2.10E-07	2.77E-08	1.02E-06	5.17E-07
4239	483363.09, 3856377.25	6.87E-02	2.17E-05	2.86E-06	3.42E-02	1.08E-05	1.42E-06	1.14E-03	3.59E-07	4.74E-08	7.25E-04	2.29E-07	3.02E-08	2.85E-06	1.41E-06
4240	483863.09, 3856377.25	1.54E-01	4.85E-05	6.40E-06	7.58E-02	2.39E-05	3.16E-06	1.58E-03	4.98E-07	6.57E-08	8.21E-04	2.59E-07	3.42E-08	6.37E-06	3.13E-06
4241	484363.09, 3856377.25	1.78E-01	5.63E-05	7.43E-06	8.87E-02	2.80E-05	3.69E-06	2.90E-03	9.15E-07	1.21E-07	9.92E-04	3.13E-07	4.13E-08	7.35E-06	3.62E-06
4242	484863.09, 3856377.25	2.23E-01	7.05E-05	9.31E-06	1.28E-01	4.04E-05	5.33E-06	2.98E-02	9.40E-06	1.24E-06	1.27E-03	4.02E-07	5.30E-08	8.12E-06	4.14E-06
4243	485363.09, 3856377.25	2.05E-01	6.46E-05	8.53E-06	1.05E-01	3.31E-05	4.38E-06	8.33E-03	2.63E-06	3.47E-07	1.88E-03	5.94E-07	7.84E-08	8.26E-06	4.11E-06
4244	485863.09, 3856377.25	2.03E-01	6.40E-05	8.44E-06	1.01E-01	3.19E-05	4.22E-06	3.99E-03	1.26E-06	1.66E-07	4.72E-03	1.49E-06	1.97E-07	8.47E-06	4.25E-06
4245	486363.09, 3856377.25	1.78E-01	5.62E-05	7.41E-06	8.82E-02	2.78E-05	3.67E-06	2.43E-03	7.68E-07	1.01E-07	1.80E-02	5.68E-06	7.50E-07	8.06E-06	4.32E-06
4246	486863.09, 3856377.25	8.86E-02	2.80E-05	3.69E-06	4.44E-02	1.40E-05	1.85E-06	1.98E-03	6.26E-07	8.27E-08	5.69E-03	1.80E-06	2.37E-07	3.85E-06	2.00E-06
4247	487363.09, 3856377.25	6.57E-02	2.08E-05	2.74E-06	3.31E-02	1.05E-05	1.38E-06	1.74E-03	5.50E-07	7.26E-08	3.54E-03	1.12E-06	1.47E-07	2.81E-06	1.45E-06
4248	487863.09, 3856377.25	5.33E-02	1.68E-05	2.22E-06	2.70E-02	8.52E-06	1.12E-06	1.60E-03	5.05E-07	6.67E-08	2.65E-03	8.38E-07	1.11E-07	2.27E-06	1.17E-06
4249	488363.09, 3856377.25	4.56E-02	1.44E-05	1.90E-06	2.31E-02	7.30E-06	9.64E-07	1.47E-03	4.64E-07	6.13E-08	2.17E-03	6.86E-07	9.06E-08	1.93E-06	9.93E-07
4250	488863.09, 3856377.25	4.03E-02	1.27E-05	1.68E-06	2.05E-02	6.46E-06	8.53E-07	1.36E-03	4.28E-07	5.65E-08	1.86E-03	5.86E-07	7.74E-08	1.70E-06	8.74E-07
4251	489363.09, 3856377.25	3.64E-02	1.15E-05	1.51E-06	1.85E-02	5.84E-06	7.71E-07	1.26E-03	3.97E-07	5.24E-08	1.63E-03	5.16E-07	6.81E-08	1.53E-06	7.87E-07
4252	489863.09, 3856377.25	3.32E-02	1.05E-05	1.38E-06	1.69E-02	5.33E-06	7.04E-07	1.17E-03	3.70E-07	4.88E-08	1.46E-03	4.62E-07	6.09E-08	1.39E-06	7.16E-07
4253	490363.09, 3856377.25	3.06E-02	9.67E-06	1.28E-06	1.56E-02	4.93E-06	6.51E-07	1.09E-03	3.43E-07	4.53E-08	1.33E-03	4.19E-07	5.54E-08	1.29E-06	6.61E-07
4254	490863.09, 3856377.25	2.86E-02	9.02E-06	1.19E-06	1.46E-02	4.60E-06	6.07E-07	1.01E-03	3.19E-07	4.22E-08	1.22E-03	3.86E-07	5.10E-08	1.20E-06	6.16E-07
4255	491363.09, 3856377.25	2.68E-02	8.45E-06	1.12E-06	1.36E-02	4.31E-06	5.69E-07	9.57E-04	3.02E-07	3.99E-08	1.14E-03	3.60E-07	4.75E-08	1.12E-06	5.76E-07
4256	491863.09, 3856377.25	2.52E-02	7.97E-06	1.05E-06	1.29E-02	4.06E-06	5.36E-07	9.04E-04	2.85E-07	3.77E-08	1.06E-03	3.36E-07	4.43E-08	1.06E-06	5.43E-07
4257	492363.09, 3856377.25	2.40E-02	7.57E-06	9.99E-07	1.22E-02	3.85E-06	5.09E-07	8.41E-04	2.66E-07	3.50E-08	9.89E-04	3.12E-07	4.12E-08	1.00E-06	5.15E-07
4258	492863.09, 3856377.25	2.22E-02	7.00E-06	9.24E-07	1.13E-02	3.56E-06	4.70E-07	7.47E-04	2.36E-07	3.11E-08	8.81E-04	2.78E-07	3.67E-08	9.29E-07	4.75E-07
4259	493363.09, 3856377.25	1.78E-02	5.61E-06	7.41E-07	9.05E-03	2.86E-06	3.77E-07	6.09E-04	1.92E-07	2.54E-08	6.95E-04	2.19E-07	2.90E-08	7.45E-07	3.81E-07
4260	493863.09, 3856377.25	1.48E-02	4.66E-06	6.15E-07	7.54E-03	2.38E-06	3.14E-07	5.48E-04	1.73E-07	2.28E-08	6.09E-04	1.92E-07	2.54E-08	6.18E-07	3.17E-07
4261	494363.09, 3856377.25	1.19E-02	3.75E-06	4.95E-07	6.10E-03	1.93E-06	2.54E-07	4.82E-04	1.52E-07	2.01E-08	5.19E-04	1.64E-07	2.16E-08	4.97E-07	2.56E-07
4262	494863.09, 3856377.25	9.98E-03	3.15E-06	4.16E-07	5.14E-03	1.62E-06	2.14E-07	4.32E-04	1.36E-07	1.80E-08	4.57E-04	1.44E-07	1.90E-08	4.17E-07	2.15E-07
4263	495363.09, 3856377.25	8.88E-03	2.80E-06	3.70E-07	4.58E-03	1.45E-06	1.91E-07	4.01E-04	1.27E-07	1.67E-08	4.19E-04	1.32E-07	1.75E-08	3.71E-07	1.92E-07
4264	495863.09, 3856377.25	8.53E-03	2.69E-06	3.56E-07	4.41E-03	1.39E-06	1.84E-07	3.93E-04	1.24E-07	1.64E-08	4.11E-04	1.30E-07	1.71E-08	3.56E-07	1.84E-07
4265	496363.09, 3856377.25	8.45E-03	2.67E-06	3.52E-07	4.37E-03	1.38E-06	1.82E-07	3.93E-04	1.24E-07	1.64E-08	4.11E-04	1.30E-07	1.71E-08	3.53E-07	1.83E-07
4266	496863.09, 3856377.25	8.60E-03	2.71E-06	3.58E-07	4.44E-03	1.40E-06	1.85E-07	4.01E-04	1.27E-07	1.67E-08	4.21E-04	1.33E-07	1.75E-08	3.59E-07	1.86E-07
4267	497363.09, 3856377.25	8.73E-03	2.75E-06	3.64E-07	4.51E-03	1.42E-06	1.88E-07	4.10E-04	1.30E-07	1.71E-08	4.31E-04	1.36E-07	1.80E-08	3.64E-07	1.89E-07
4268	497863.09, 3856377.25	9.06E-03	2.86E-06	3.77E-07	4.68E-03	1.48E-06	1.95E-07	4.23E-04	1.33E-07	1.76E-08	4.47E-04	1.41E-07	1.86E-08	3.78E-07	1.96E-07
4269	498363.09, 3856377.25	9.56E-03	3.02E-06	3.98E-07	4.94E-03	1.56E-06	2.06E-07	4.40E-04	1.39E-07	1.83E-08	4.68E-04	1.48E-07	1.95E-08	4.00E-07	2.07E-07
4270	471363.09, 3856877.25	2.51E-03	7.92E-07	1.05E-07	1.35E-03	4.27E-07	5.63E-08	2.01E-04	6.33E-08	8.35E-09	2.12E-04	6.70E-08	8.84E-09	1.05E-07	5.68E-08
4271	471863.09, 3856877.25	2.62E-03	8.28E-07	1.09E-07	1.41E-03	4.45E-07	5.87E-08	2.04E-04	6.43E-08	8.48E-09	2.17E-04	6.85E-08	9.04E-09	1.10E-07	5.93E-08
4272	472363.09, 3856877.25	2.76E-03	8.70E-07	1.15E-07	1.48E-03	4.66E-07	6.16E-08	2.10E-04	6.63E-08	8.75E-09	2.24E-04	7.06E-08	9.32E-09	1.15E-07	6.21E-08
4273	472863.09, 3856877.25	2.90E-03	9.16E-07	1.21E-07	1.55E-03	4.90E-07	6.47E-08	2.16E-04	6.82E-08	9.01E-09	2.30E-04	7.26E-08	9.59E-09	1.22E-07	6.53E-08
4274	473363.09, 3856877.25	3.08E-03	9.73E-07	1.29E-07	1.65E-03	5.20E-07	6.87E-08	2.29E-04	7.22E-08	9.53E-09	2.43E-04	7.68E-08	1.01E-08	1.29E-07	6.93E-08
4275	473863.09, 3856877.25	3.26E-03	1.03E-06	1.36E-07	1.74E-03	5.49E-07	7.25E-08	2.37E-04	7.47E-08	9.85E-09	2.51E-04	7.93E-08	1.05E-08	1.36E-07	7.31E-08
4276	474363.09, 3856877.25	3.41E-03	1.08E-06	1.42E-07	1.81E-03	5.72E-07	7.55E-08	2.37E-04	7.47E-08	9.85E-09	2.53E-04	7.99E-08	1.05E-08	1.43E-07	7.62E-08
4277	474863.09, 3856877.25	3.55E-03	1.12E-06	1.48E-07	1.88E-03	5.93E-07	7.83E-08	2.30E-04	7.27E-08	9.59E-09	2.48E-04	7.83E-08	1.03E-08	1.49E-07	7.90E-08
4278	475363.09, 3856877.25	3.59E-03	1.13E-06	1.50E-07	1.89E-03	5.97E-07	7.88E-08	2.19E-04	6.92E-08	9.14E-09	2.37E-04	7.47E-08	9.86E-09	1.50E-07	7.95E-08
4279	475863.09, 3856877.25	3.76E-03	1.19E-06	1.57E-07	1.97E-03	6.23E-07	8.22E-08	2.21E-04	6.97E-08	9.20E-09	2.37E-04	7.47E-08	9.86E-09	1.57E-07	8.29E-08
4280	476363.09, 3856877.25	3.74E-03	1.18E-06	1.56E-07	1.96E-03	6.18E-07	8.16E-08	2.13E-04	6.72E-08	8.88E-09	2.27E-04	7.16E-08	9.45E-09	1.56E-07	8.21E-08
4281	476863.09, 3856877.25	3.80E-03	1.20E-06	1.58E-07	1.99E-03	6.27E-07	8.28E-08	2.15E-04	6.77E-08	8.94E-09	2.27E-04	7.16E-08	9.45E-09	1.59E-07	8.33E-08
4282	477363.09, 3856877.25	3.76E-03	1.19E-06	1.56E-07	1.97E-03	6.20E-07	8.19E-08	2.13E-04	6.72E-08	8.88E-09	2.24E-04	7.06E-08	9.32E-09	1.57E-07	8.23E-08
4283	477863.09, 3856877.25	3.36E-03	1.06E-06	1.40E-07	1.77E-03	5.57E-07	7.36E-08	2.02E-04	6.38E-08	8.42E-09	2.07E-04	6.54E-08	8.64E-09	1.40E-07	7.38E-08
4284	478363.09, 3856877.25	3.40E-03	1.07E-06	1.42E-07	1.79E-03	5.64E-07	7.45E-08	2.04E-04	6.43E-08	8.48E-09	2.06E-04	6.49E-08	8.57E-09	1.42E-07	7.46E-08
4285	478863.09, 3856877.25	3.86E-03	1.22E-06	1.61E-07	2.02E-03	6.38E-07	8.42E-08	2.22E-04	7.02E-08	9.27E-09	2.25E-04	7.11E-08	9.38E-09	1.61E-07	8.43E-08
4286	479363.09, 3856877.25	4.57E-03	1.44E-06	1.90E-07	2.38E-03	7.52E-07	9.93E-08	2.44E-04	7.71E-08	1.02E-08	2.51E-04	7.93E-08	1.05E-08	1.91E-07	9.96E-08
4287	479863.09, 3856877.25	7.32E-03	2.31E-06	3.05E-07	3.76E-03	1.19E-06	1.57E-07	3.13E-04	9.89E-08	1.31E-08	3.40E-04	1.07E-07	1.41E-08	3.06E-07	1.58E-07
4288	480363.09, 3856877.25	8.80E-03	2.78E-06	3.67E-07	4.53E-03	1.43E-06	1.89E-07	3.74E-04	1.18E-07	1.56E-08	4.05E-04	1.28E-07	1.69E-08	3.68E-07	1.90E-07
4289	480863.09, 3856877.25	9.84E-03	3.11E-06	4.10E-07	5.08E-03	1.60E-06	2.12E-07	4.51E-04	1.42E-07	1.88E-08	4.62E-04	1.46E-07	1.92E-08	4.10E-07	2.12E-07
4290	481363.09, 3856877.25	1.09E-02	3.43E-06	4.53E-07	5.63E-03	1.78E-06	2.35E-07	5.25E-04	1.66E-07	2.19E-08	4.98E-04	1.57E-07	2.07E-08	4.52E-07	2.34E-07
4291	481863.09, 3856877.25	1.24E-02	3.91E-06	5.16E-07	6.41E-03	2.02E-06	2.67E-07	5.84E-04	1.84E-07	2.43E-08	5.30E-04	1.67E-07	2.21E-08	5.14E-07	2.65E-07
4292	482363.09, 3856877.25	1.42E-02	4.49E-06	5.92E-07	7.36E-03	2.32E-06	3.07E-07	6.88E-04	2.17E-07	2.87E-08	5.62E-04	1.77E-07	2.34E-08	5.87E-07	3.01E-07
4293	482863.09, 3856877.25	1.81E-02	5.73E-06	7.56E-07	9.34E-03	2.95E-06	3.89E-07	7.79E-04	2.46E-07	3.24E-08	6.01E-04	1.90E-07	2.50E-08	7.49E-07	3.82E-07
4294	483363.09, 3856877.25	2.90E-02	9.14E-06	1.21E-06	1.47E-02	4.63E-06	6.11E-07	9.01E-04	2.84E-07	3.75E-08	6.51E-04	2.06E-07	2.71E-08	1.20E-06	6.01E-07
4295	483863.09, 3856877.25	1.25E-01	3.93E-05	5.19E-06	6.13E-02	1.94E-05	2.56E-06	1.09E-03	3.46E-07	4.56E-08	7.17E-04	2.26E-07	2.99E-08	5.17E-06	2.54E-06
4296	484363.09, 3856877.25	1.57E-01	4.94E-05	6.52E-06	7.72E-02	2.44E-05	3.22E-06	1.49E-03	4.72E-07	6.23E-08	8.16E-04	2.58E-07	3.40E-08	6.49E-06	3.19E-06
4297	484863.09, 3856877.25	1.73E-01	5.47E-05	7.23E-06	8.60E-02	2.71E-05	3.58E-06	2.41E-03	7.61E-07	1.01E-07	9.71E-04	3.07E-07	4.05E-08	7.17E-06	3.52E-06
4298	485363.09, 3856877.25	1.92E-01	6.06E-05	8.00E-06	9.93E-02	3.13E-05	4.14E-06	9.02E-03	2.85E-06	3.76E-07	1.24E-03	3.91E-07	5.16E-08	7.67E-06	3.81E-06
4299	485863.09, 3856877.25	2.04E-01	6.43E-05	8.48E-06	1.07E-01	3.37E-05	4.45E-06	1.18E-02	3.71E-06	4.90E-07	1.81E-03	5.71E-07	7.54E-08	8.07E-06	4.03E-06
4300	486363.09, 3856877.25	2.04E-01	6.43E-05	8.49E-06	1.02E-01	3.21E-05	4.24E-06	3.86E-03	1.22E-06	1.61E-07	4.46E-03	1.41E-06	1.86E-07	8.52E-06	4.26E-06
4301	486863.09, 3856877.25	1.89E-01	5.96E-05	7.87E-06	9.38E-02	2.96E-05	3.91E-06	2.79E-03	8.81E-07	1.16E-07	2.09E-02	6.60E-06	8.71E-07	8.63E-06	4.66E-06
4302	487363.09, 3856877.25	1.31E-01	4.15E-05	5.48E-06	6.55E-02	2.07E-05	2.73E-06	2.32E-03	7.32E-07	9.66E-08	5.90E-03	1.86E-06	2.46E-07	5.63E-06	2.88E-06
4303	487863.09, 3856877.25	9.90E-02	3.12E-05	4.12E-06	4.95E-02	1.56E-05	2.06E-06	2.02E-03	6.36E-07	8.40E-08	3.60E-03	1.14E-06	1.50E-07	4.19E-06	2.13E-06
4304	488363.09, 3856877.25	6.11E-02	1.93E-05	2.54E-06	3.09E-02	9.75E-06	1.29E-06	1.82E-03	5.73E-07	7.56E-08	2.67E-03	8.43E-07	1.11E-07	2.58E-06	1.32E-06
4305	488863.09, 3856877.25	4.90E-02	1.55E-05	2.04E-06	2.49E-02	7.86E-06	1.04E-06	1.64E-03	5.17E-07	6.83E-08	2.17E-03	6.86E-07	9.06E-08	2.06E-06	1.06E-06
4306	489363.09, 3856877.25	4.19E-02	1.32E-05	1.75E-06	2.14E-02	6.75E-06	8.91E-07	1.50E-03	4.74E-07	6.25E-08	1.86E-03	5.88E-07	7.77E-08	1.76E-06	9.06E-07
4307	489863.09, 3856877.25	3.73E-02	1.18E-05	1.55E-06	1.90E-02	6.00E-06	7.92E-07	1.37E-03	4.34E-07	5.72E-08	1.64E-03	5.18E-07	6.84E-08	1.56E-06	8.04E-07
4308	490363.09, 3856877.25	3.40E-02	1.07E-05	1.42E-06	1.74E-02	5.48E-06	7.24E-07	1.25E-03	3.95E-07	5.21E-08	1.47E-03	4.64E-07	6.12E-08	1.43E-06	7.33E-07
4309	490863.09, 3856877.25	3.14E-02	9.91E-06	1.31E-06	1.60E-02	5.06E-06	6.68E-07	1.15E-03	3.63E-07	4.80E-08	1.33E-03	4.19E-07	5.54E-08	1.32E-06	6.75E-07
4310	491363.09, 3856877.25	2.93E-02	9.23E-06	1.22E-06	1.49E-02	4.71E-06	6.22E-07	1.07E-03	3.36E-07	4.44E-08	1.21E-03	3.83E-07	5.05E-08	1.22E-06	6.28E-07
4311	491863.09, 3856877.25	2.84E-02	8.96E-06	1.18E-06	1.45E-02	4.56E-06	6.02E-07	9.84E-04	3.10E-07	4.10E-08	1.11E-03	3.52E-07	4.64E-08	1.19E-06	6.08E-07
4312	492363.09, 3856877.25	2.62E-02	8.26E-06	1.09E-06	1.33E-02	4.19E-06	5.53E-07	8.35E-04	2.64E-07	3.48E-08	9.63E-04	3.04E-07	4.01E-08	1.10E-06	5.59E-07
4313	492863.09, 3856877.25	2.30E-02	7.26E-06	9.58E-07	1.17E-02	3.68E-06	4.86E-07	7.32E-04	2.31E-07	3.05E-08	8.34E-04	2.63E-07	3.47E-08	9.62E-07	4.90E-07
4314	493363.09, 3856877.25	1.89E-02	5.97E-06	7.87E-07	9.61E-03	3.03E-06	4.00E-07	6.36E-04	2.01E-07	2.65E-08	7.05E-04	2.23E-07	2.94E-08	7.90E-07	4.03E-07
4315	493863.09, 3856877.25	1.42E-02	4.49E-06	5.93E-07	7.28E-03	2.30E-06	3.03E-07	5.45E-04	1.72E-07	2.27E-08	5.86E-04	1.85E-07	2.44E-08	5.95E-07	3.05E-07
4316	494363.09, 3856877.25	1.13E-02	3.57E-06	4.71E-07	5.82E-03	1.84E-06	2.42E-07	4.81E-04	1.52E-07	2.00E-08	5.04E-04	1.59E-07	2.10E-08	4.72E-07	2.43E-07
4317	494863.09, 3856877.25	1.01E-02	3.19E-06	4.21E-07	5.21E-03	1.64E-06	2.17E-07	4.50E-04	1.42E-07	1.87E-08	4.67E-04	1.47E-07	1.94E-08	4.22E-07	2.18E-07
4318	495363.09, 3856877.25	9.42E-03	2.97E-06	3.92E-07	4.86E-03	1.53E-06	2.03E-07	4.31E-04	1.36E-07	1.79E-08	4.46E-04	1.41E-07	1.86E-08	3.93E-07	2.03E-07
4319	495863.09, 3856877.25	9.12E-03	2.88E-06	3.80E-07	4.71E-03	1.49E-06	1.96E-07	4.25E-04	1.34E-07	1.77E-08	4.41E-04	1.39E-07	1.84E-08	3.80E-07	1.97E-07
4320	496363.09, 3856877.25	8.93E-03	2.82E-06	3.72E-07	4.62E-03	1.46E-06	1.92E-07	4.21E-04	1.33E-07	1.76E-08	4.37E-04	1.38E-07	1.82E-08	3.73E-07	1.93E-07

4321 496863.09, 3856877.25	8.92E-03	2.81E-06	3.72E-07	4.62E-03	1.46E-06	1.92E-07	4.26E-04	1.34E-07	1.78E-08	4.42E-04	1.40E-07	1.84E-08	3.72E-07	1.93E-07
4322 497363.09, 3856877.25	9.09E-03	2.87E-06	3.79E-07	4.71E-03	1.49E-06	1.96E-07	4.35E-04	1.37E-07	1.81E-08	4.54E-04	1.43E-07	1.89E-08	3.79E-07	1.97E-07
4323 497863.09, 3856877.25	9.72E-03	3.07E-06	4.05E-07	5.03E-03	1.59E-06	2.09E-07	4.56E-04	1.44E-07	1.90E-08	4.78E-04	1.51E-07	1.99E-08	4.06E-07	2.10E-07
4324 498363.09, 3856877.25	1.05E-02	3.31E-06	4.37E-07	5.41E-03	1.71E-06	2.25E-07	4.79E-04	1.51E-07	2.00E-08	5.08E-04	1.60E-07	2.11E-08	4.38E-07	2.27E-07
4325 471363.09, 3857377.25	2.50E-03	7.90E-07	1.04E-07	1.35E-03	4.25E-07	5.60E-08	1.96E-04	6.18E-08	8.16E-09	2.09E-04	6.59E-08	8.70E-09	1.05E-07	5.66E-08
4326 471863.09, 3857377.25	2.60E-03	8.22E-07	1.08E-07	1.40E-03	4.41E-07	5.82E-08	1.99E-04	6.28E-08	8.29E-09	2.12E-04	6.70E-08	8.84E-09	1.09E-07	5.87E-08
4327 472363.09, 3857377.25	2.73E-03	8.63E-07	1.14E-07	1.46E-03	4.62E-07	6.09E-08	2.04E-04	6.43E-08	8.48E-09	2.17E-04	6.85E-08	9.04E-09	1.14E-07	6.15E-08
4328 472863.09, 3857377.25	2.87E-03	9.05E-07	1.19E-07	1.53E-03	4.83E-07	6.38E-08	2.10E-04	6.63E-08	8.75E-09	2.24E-04	7.06E-08	9.32E-09	1.20E-07	6.43E-08
4329 473363.09, 3857377.25	3.03E-03	9.56E-07	1.26E-07	1.61E-03	5.09E-07	6.73E-08	2.18E-04	6.87E-08	9.07E-09	2.32E-04	7.32E-08	9.66E-09	1.27E-07	6.78E-08
4330 473863.09, 3857377.25	3.21E-03	1.01E-06	1.34E-07	1.71E-03	5.39E-07	7.12E-08	2.29E-04	7.22E-08	9.53E-09	2.42E-04	7.62E-08	1.01E-08	1.34E-07	7.17E-08
4331 474363.09, 3857377.25	3.34E-03	1.05E-06	1.39E-07	1.77E-03	5.58E-07	7.36E-08	2.22E-04	7.02E-08	9.27E-09	2.37E-04	7.47E-08	9.86E-09	1.40E-07	7.42E-08
4332 474863.09, 3857377.25	3.32E-03	1.05E-06	1.38E-07	1.75E-03	5.52E-07	7.28E-08	2.02E-04	6.38E-08	8.42E-09	2.19E-04	6.90E-08	9.11E-09	1.39E-07	7.35E-08
4333 475363.09, 3857377.25	3.01E-03	9.51E-07	1.26E-07	1.59E-03	5.00E-07	6.61E-08	1.83E-04	5.78E-08	7.64E-09	1.94E-04	6.13E-08	8.09E-09	1.26E-07	6.65E-08
4334 475863.09, 3857377.25	3.00E-03	9.47E-07	1.25E-07	1.58E-03	4.98E-07	6.57E-08	1.82E-04	5.74E-08	7.57E-09	1.93E-04	6.08E-08	8.02E-09	1.25E-07	6.62E-08
4335 476363.09, 3857377.25	3.52E-03	1.11E-06	1.46E-07	1.84E-03	5.81E-07	7.66E-08	1.99E-04	6.28E-08	8.29E-09	2.11E-04	6.65E-08	8.77E-09	1.47E-07	7.71E-08
4336 476863.09, 3857377.25	3.73E-03	1.18E-06	1.55E-07	1.95E-03	6.15E-07	8.12E-08	2.07E-04	6.53E-08	8.61E-09	2.19E-04	6.90E-08	9.11E-09	1.56E-07	8.17E-08
4337 477363.09, 3857377.25	3.68E-03	1.16E-06	1.53E-07	1.92E-03	6.07E-07	8.01E-08	2.05E-04	6.48E-08	8.55E-09	2.15E-04	6.80E-08	8.98E-09	1.54E-07	8.05E-08
4338 477863.09, 3857377.25	3.34E-03	1.06E-06	1.39E-07	1.76E-03	5.54E-07	7.32E-08	1.99E-04	6.28E-08	8.29E-09	2.06E-04	6.49E-08	8.57E-09	1.40E-07	7.34E-08
4339 478363.09, 3857377.25	3.19E-03	1.01E-06	1.33E-07	1.68E-03	5.29E-07	6.98E-08	1.94E-04	6.13E-08	8.09E-09	1.96E-04	6.18E-08	8.16E-09	1.33E-07	6.99E-08
4340 478863.09, 3857377.25	3.17E-03	1.00E-06	1.32E-07	1.67E-03	5.26E-07	6.94E-08	1.91E-04	6.03E-08	7.96E-09	1.93E-04	6.08E-08	8.02E-09	1.32E-07	6.95E-08
4341 479363.09, 3857377.25	3.90E-03	1.23E-06	1.62E-07	2.04E-03	6.44E-07	8.50E-08	2.21E-04	6.97E-08	9.20E-09	2.25E-04	7.11E-08	9.38E-09	1.63E-07	8.52E-08
4342 479863.09, 3857377.25	6.62E-03	2.09E-06	2.76E-07	3.40E-03	1.07E-06	1.42E-07	2.82E-04	8.90E-08	1.17E-08	3.05E-04	9.63E-08	1.27E-08	2.77E-07	1.43E-07
4343 480363.09, 3857377.25	6.37E-03	2.01E-06	2.65E-07	3.28E-03	1.03E-06	1.37E-07	2.77E-04	8.75E-08	1.16E-08	2.94E-04	9.27E-08	1.22E-08	2.66E-07	1.37E-07
4344 480863.09, 3857377.25	9.10E-03	2.87E-06	3.79E-07	4.70E-03	1.48E-06	1.96E-07	4.23E-04	1.33E-07	1.76E-08	4.33E-04	1.37E-07	1.80E-08	3.80E-07	1.96E-07
4345 481363.09, 3857377.25	1.02E-02	3.22E-06	4.25E-07	5.25E-03	1.66E-06	2.19E-07	4.42E-04	1.39E-07	1.84E-08	4.52E-04	1.43E-07	1.88E-08	4.25E-07	2.19E-07
4346 481863.09, 3857377.25	1.11E-02	3.52E-06	4.64E-07	5.75E-03	1.82E-06	2.40E-07	5.06E-04	1.60E-07	2.11E-08	4.90E-04	1.55E-07	2.04E-08	4.64E-07	2.39E-07
4347 482363.09, 3857377.25	1.19E-02	3.76E-06	4.96E-07	6.19E-03	1.95E-06	2.58E-07	6.06E-04	1.91E-07	2.53E-08	5.22E-04	1.65E-07	2.18E-08	4.93E-07	2.54E-07
4348 482863.09, 3857377.25	1.36E-02	4.30E-06	5.67E-07	7.06E-03	2.23E-06	2.94E-07	6.74E-04	2.13E-07	2.81E-08	5.48E-04	1.73E-07	2.28E-08	5.62E-07	2.89E-07
4349 483363.09, 3857377.25	1.60E-02	5.06E-06	6.68E-07	8.29E-03	2.62E-06	3.45E-07	7.52E-04	2.37E-07	3.13E-08	5.88E-04	1.85E-07	2.45E-08	6.61E-07	3.38E-07
4350 483863.09, 3857377.25	1.93E-02	6.10E-06	8.05E-07	9.96E-03	3.14E-06	4.15E-07	8.71E-04	2.75E-07	3.63E-08	6.43E-04	2.03E-07	2.68E-08	7.95E-07	4.06E-07
4351 484363.09, 3857377.25	2.49E-02	7.86E-06	1.04E-06	1.28E-02	4.04E-06	5.33E-07	1.05E-03	3.33E-07	4.39E-08	7.12E-04	2.25E-07	2.96E-08	1.02E-06	5.19E-07
4352 484863.09, 3857377.25	3.37E-02	1.06E-05	1.40E-06	1.73E-02	5.46E-06	7.21E-07	1.39E-03	4.39E-07	5.80E-08	8.18E-04	2.58E-07	3.41E-08	1.38E-06	6.97E-07
4353 485363.09, 3857377.25	5.93E-02	1.87E-05	2.47E-06	3.02E-02	9.53E-06	1.26E-06	2.07E-03	6.54E-07	8.63E-08	9.58E-04	3.02E-07	3.99E-08	2.42E-06	1.21E-06
4354 485863.09, 3857377.25	1.54E-01	4.85E-05	6.40E-06	7.79E-02	2.46E-05	3.25E-06	4.91E-03	1.55E-06	2.05E-07	1.20E-03	3.78E-07	4.98E-08	6.24E-06	3.09E-06
4355 486363.09, 3857377.25	1.97E-01	6.21E-05	8.20E-06	1.07E-01	3.39E-05	4.47E-06	1.78E-02	5.62E-06	7.42E-07	1.78E-03	5.62E-07	7.41E-08	7.53E-06	3.80E-06
4356 486863.09, 3857377.25	1.95E-01	6.17E-05	8.14E-06	9.83E-02	3.10E-05	4.10E-06	4.90E-03	1.55E-06	2.04E-07	4.09E-03	1.29E-06	1.70E-07	8.11E-06	4.06E-06
4357 487363.09, 3857377.25	1.92E-01	6.05E-05	7.98E-06	9.55E-02	3.01E-05	3.98E-06	3.48E-03	1.10E-06	1.45E-07	2.48E-02	7.84E-06	1.04E-06	8.87E-06	4.87E-06
4358 487863.09, 3857377.25	1.37E-01	4.34E-05	5.73E-06	6.87E-02	2.17E-05	2.86E-06	2.83E-03	8.94E-07	1.18E-07	6.11E-03	1.93E-06	2.54E-07	5.86E-06	3.00E-06
4359 488363.09, 3857377.25	8.36E-02	2.64E-05	3.48E-06	4.23E-02	1.33E-05	1.76E-06	2.39E-03	7.54E-07	9.95E-08	3.66E-03	1.16E-06	1.53E-07	3.54E-06	1.81E-06
4360 488863.09, 3857377.25	5.81E-02	1.83E-05	2.42E-06	2.96E-02	9.35E-06	1.23E-06	2.09E-03	6.58E-07	8.69E-08	2.71E-03	8.55E-07	1.13E-07	2.45E-06	1.26E-06
4361 489363.09, 3857377.25	4.76E-02	1.50E-05	1.98E-06	2.44E-02	7.69E-06	1.02E-06	1.85E-03	5.83E-07	7.69E-08	2.20E-03	6.93E-07	9.15E-08	2.00E-06	1.03E-06
4362 489863.09, 3857377.25	4.17E-02	1.32E-05	1.74E-06	2.14E-02	6.74E-06	8.90E-07	1.64E-03	5.18E-07	6.83E-08	1.87E-03	5.90E-07	7.79E-08	1.75E-06	8.99E-07
4363 490363.09, 3857377.25	3.78E-02	1.19E-05	1.57E-06	1.93E-02	6.10E-06	8.05E-07	1.48E-03	4.66E-07	6.15E-08	1.64E-03	5.18E-07	6.84E-08	1.58E-06	8.12E-07
4364 490863.09, 3857377.25	3.46E-02	1.09E-05	1.44E-06	1.77E-02	5.58E-06	7.37E-07	1.34E-03	4.23E-07	5.59E-08	1.47E-03	4.63E-07	6.11E-08	1.45E-06	7.42E-07
4365 491363.09, 3857377.25	3.21E-02	1.01E-05	1.34E-06	1.64E-02	5.18E-06	6.84E-07	1.23E-03	3.88E-07	5.12E-08	1.33E-03	4.19E-07	5.53E-08	1.34E-06	6.88E-07
4366 491863.09, 3857377.25	3.02E-02	9.53E-06	1.26E-06	1.54E-02	4.86E-06	6.41E-07	1.09E-03	3.45E-07	4.55E-08	1.19E-03	3.74E-07	4.94E-08	1.26E-06	6.45E-07
4367 492363.09, 3857377.25	2.72E-02	8.59E-06	1.13E-06	1.38E-02	4.36E-06	5.75E-07	8.68E-04	2.74E-07	3.62E-08	9.63E-04	3.04E-07	4.01E-08	1.14E-06	5.79E-07
4368 492863.09, 3857377.25	2.22E-02	7.02E-06	9.26E-07	1.13E-02	3.56E-06	4.70E-07	7.17E-04	2.26E-07	2.99E-08	7.79E-04	2.46E-07	3.24E-08	9.29E-07	4.73E-07
4369 493363.09, 3857377.25	1.65E-02	5.22E-06	6.89E-07	8.45E-03	2.67E-06	3.52E-07	6.13E-04	1.93E-07	2.55E-08	6.45E-04	2.03E-07	2.69E-08	6.90E-07	3.53E-07
4370 493863.09, 3857377.25	1.42E-02	4.48E-06	5.91E-07	7.27E-03	2.29E-06	3.03E-07	5.67E-04	1.79E-07	2.36E-08	5.89E-04	1.86E-07	2.45E-08	5.92E-07	3.04E-07
4371 494363.09, 3857377.25	1.22E-02	3.84E-06	5.06E-07	6.25E-03	1.97E-06	2.61E-07	5.23E-04	1.65E-07	2.18E-08	5.39E-04	1.70E-07	2.24E-08	5.07E-07	2.61E-07
4372 494863.09, 3857377.25	1.11E-02	3.51E-06	4.63E-07	5.73E-03	1.81E-06	2.39E-07	5.00E-04	1.58E-07	2.08E-08	5.14E-04	1.62E-07	2.14E-08	4.63E-07	2.39E-07
4373 495363.09, 3857377.25	1.03E-02	3.26E-06	4.30E-07	5.34E-03	1.69E-06	2.22E-07	4.81E-04	1.52E-07	2.00E-08	4.93E-04	1.56E-07	2.05E-08	4.31E-07	2.23E-07
4374 495863.09, 3857377.25	9.98E-03	3.15E-06	4.16E-07	5.16E-03	1.63E-06	2.15E-07	4.73E-04	1.49E-07	1.97E-08	4.86E-04	1.54E-07	2.03E-08	4.16E-07	2.16E-07
4375 496363.09, 3857377.25	9.75E-03	3.08E-06	4.06E-07	5.05E-03	1.59E-06	2.10E-07	4.68E-04	1.48E-07	1.95E-08	4.83E-04	1.52E-07	2.01E-08	4.07E-07	2.11E-07
4376 496863.09, 3857377.25	9.61E-03	3.03E-06	4.01E-07	4.98E-03	1.57E-06	2.08E-07	4.67E-04	1.47E-07	1.94E-08	4.83E-04	1.52E-07	2.01E-08	4.01E-07	2.08E-07
4377 497363.09, 3857377.25	9.83E-03	3.10E-06	4.09E-07	5.09E-03	1.61E-06	2.12E-07	4.73E-04	1.49E-07	1.97E-08	4.91E-04	1.55E-07	2.05E-08	4.10E-07	2.13E-07
4378 497863.09, 3857377.25	1.03E-02	3.24E-06	4.28E-07	5.32E-03	1.68E-06	2.21E-07	4.87E-04	1.54E-07	2.03E-08	5.09E-04	1.61E-07	2.12E-08	4.29E-07	2.22E-07
4379 498363.09, 3857377.25	1.15E-02	3.65E-06	4.81E-07	5.96E-03	1.88E-06	2.48E-07	5.29E-04	1.67E-07	2.21E-08	5.60E-04	1.77E-07	2.33E-08	4.82E-07	2.50E-07
4380 471363.09, 3857877.25	2.50E-03	7.88E-07	1.04E-07	1.34E-03	4.22E-07	5.57E-08	1.90E-04	5.98E-08	7.90E-09	2.01E-04	6.34E-08	8.36E-09	1.04E-07	5.62E-08
4381 471863.09, 3857877.25	2.60E-03	8.19E-07	1.08E-07	1.39E-03	4.38E-07	5.78E-08	1.93E-04	6.08E-08	8.03E-09	2.04E-04	6.44E-08	8.50E-09	1.09E-07	5.83E-08
4382 472363.09, 3857877.25	2.71E-03	8.56E-07	1.13E-07	1.45E-03	4.57E-07	6.03E-08	1.97E-04	6.23E-08	8.22E-09	2.09E-04	6.59E-08	8.70E-09	1.13E-07	6.08E-08
4383 472863.09, 3857877.25	2.85E-03	8.98E-07	1.19E-07	1.52E-03	4.79E-07	6.32E-08	2.05E-04	6.48E-08	8.55E-09	2.17E-04	6.85E-08	9.04E-09	1.19E-07	6.37E-08
4384 473363.09, 3857877.25	2.99E-03	9.44E-07	1.25E-07	1.59E-03	5.02E-07	6.63E-08	2.10E-04	6.63E-08	8.75E-09	2.24E-04	7.06E-08	9.32E-09	1.25E-07	6.69E-08
4385 473863.09, 3857877.25	3.15E-03	9.96E-07	1.31E-07	1.68E-03	5.29E-07	6.99E-08	2.19E-04	6.92E-08	9.14E-09	2.32E-04	7.32E-08	9.66E-09	1.32E-07	7.04E-08
4386 474363.09, 3857877.25	3.27E-03	1.03E-06	1.36E-07	1.73E-03	5.45E-07	7.19E-08	2.10E-04	6.63E-08	8.75E-09	2.25E-04	7.11E-08	9.38E-09	1.37E-07	7.25E-08
4387 474863.09, 3857877.25	3.17E-03	1.00E-06	1.32E-07	1.67E-03	5.26E-07	6.94E-08	1.90E-04	5.98E-08	7.90E-09	2.04E-04	6.44E-08	8.50E-09	1.33E-07	7.00E-08
4388 475363.09, 3857877.25	2.57E-03	8.13E-07	1.07E-07	1.36E-03	4.28E-07	5.65E-08	1.61E-04	5.09E-08	6.72E-09	1.70E-04	5.36E-08	7.07E-09	1.08E-07	5.69E-08
4389 475863.09, 3857877.25	2.02E-03	6.38E-07	8.42E-08	1.07E-03	3.38E-07	4.46E-08	1.36E-04	4.30E-08	5.68E-09	1.40E-04	4.43E-08	5.85E-09	8.43E-08	4.48E-08
4390 476363.09, 3857877.25	2.90E-03	9.16E-07	1.21E-07	1.52E-03	4.81E-07	6.35E-08	1.71E-04	5.39E-08	7.11E-09	1.80E-04	5.67E-08	7.48E-09	1.21E-07	6.38E-08
4391 476863.09, 3857877.25	3.33E-03	1.05E-06	1.39E-07	1.74E-03	5.50E-07	7.26E-08	1.85E-04	5.83E-08	7.70E-09	1.96E-04	6.18E-08	8.16E-09	1.39E-07	7.30E-08
4392 477363.09, 3857877.25	3.44E-03	1.08E-06	1.43E-07	1.80E-03	5.67E-07	7.48E-08	1.90E-04	5.98E-08	7.90E-09	1.99E-04	6.29E-08	8.30E-09	1.44E-07	7.52E-08
4393 477863.09, 3857877.25	3.47E-03	1.09E-06	1.45E-07	1.81E-03	5.72E-07	7.55E-08	1.93E-04	6.08E-08	8.03E-09	2.02E-04	6.39E-08	8.43E-09	1.45E-07	7.59E-08
4394 478363.09, 3857877.25	2.83E-03	8.94E-07	1.18E-07	1.49E-03	4.71E-07	6.22E-08	1.77E-04	5.59E-08	7.37E-09	1.80E-04	5.67E-08	7.48E-09	1.18E-07	6.23E-08
4395 478863.09, 3857877.25	2.80E-03	8.84E-07	1.17E-07	1.48E-03	4.66E-07	6.15E-08	1.74E-04	5.49E-08	7.24E-09	1.76E-04	5.56E-08	7.34E-09	1.17E-07	6.16E-08
4396 479363.09, 3857877.25	5.78E-03	1.82E-06	2.41E-07	2.98E-03	9.40E-07	1.24E-07	2.58E-04	8.16E-08	1.08E-08	2.82E-04	8.91E-08	1.18E-08	2.42E-07	1.25E-07
4397 479863.09, 3857877.25	7.02E-03	2.22E-06	2.92E-07	3.63E-03	1.15E-06	1.51E-07	3.27E-04	1.03E-07	1.36E-08	3.53E-04	1.11E-07	1.47E-08	2.93E-07	1.52E-07
4398 480363.09, 3857877.25	7.53E-03	2.38E-06	3.14E-07	3.90E-03	1.23E-06	1.63E-07	3.73E-04	1.18E-07	1.55E-08	3.84E-04	1.21E-07	1.60E-08	3.14E-07	1.63E-07
4399 480863.09, 3857877.25	8.21E-03	2.59E-06	3.42E-07	4.25E-03	1.34E-06	1.77E-07	3.93E-04	1.24E-07	1.64E-08	4.03E-04	1.27E-07	1.68E-08	3.42E-07	1.77E-07
4400 481363.09, 3857877.25	8.97E-03	2.83E-06	3.74E-07	4.63E-03	1.46E-06	1.93E-07	4.15E-04	1.31E-07	1.73E-08	4.23E-04	1.33E-07	1.76E-08	3.74E-07	1.93E-07
4401 481863.09, 3857877.25	9.68E-03	3.05E-06	4.03E-07	5.00E-03	1.58E-06	2.08E-07	4.53E-04	1.43E-07	1.89E-08	4.51E-04	1.42E-07	1.88E-08	4.03E-07	2.08E-07
4402 482363.09, 3857877.25	1.02E-02	3.23E-06	4.26E-07	5.31E-03	1.68E-06	2.21E-07	5.26E-04	1.66E-07	2.19E-08	4.86E-04	1.54E-07	2.03E-08	4.24E-07	2.20E-07
4403 482863.09, 3857877.25	1.08E-02	3.40E-06	4.48E-07	5.62E-03	1.77E-06	2.34E-07	5.92E-04	1.87E-07	2.47E-08	5.08E-04	1.60E-07	2.11E-08	4.45E-07	2.31E-07
4404 483363.09, 3857877.25	1.17E-02	3.70E-06	4.89E-07	6.13E-03	1.93E-06	2.55E-07	6.47E-04	2.04E-07	2.70E-08	5.39E-04	1.70E-07	2.24E-08	4.84E-07	2.51E-07
4405 483863.09, 3857877.25	1.29E-02	4.07E-06	5.38E-07	6.75E-03	2.13E-06	2.81E-07	7.25E-04	2.29E-07	3.02E-08	5.83E-04	1.84E-07	2.43E-08	5.32E-07	2.75E-07
4406 484363.09, 3857877.25	1.52E-02	4.81E-06	6.35E-07	7.95E-03	2.51E-06	3.31E-07	8.27E-04	2.61E-07	3.45E-08	6.35E-04	2.00E-07	2.65E-08	6.27E-07	3.23E-07
4407 484863.09, 3857877.25	1.90E-02	6.00E-06	7.92E-07	9.91E-03	3.13E-06	4.13E-07	1.01E-03	3.17E-07	4.19E-08	7.13E-04	2.25E-07	2.97E-08	7.80E-07	4.00E-07
4408 485363.09, 3857877.25	2.55E-02	8.05E-06	1.06E-06	1.32E-02	4.18E-06	5.52E-07	1.28E-03	4.05E-07	5.35E-08	8.16E-04	2.58E-07	3.40E-08	1.04E-06	5.32E-07
4409 485863.09, 3857877.25	5.87E-02	1.85E-05	2.45E-06	2.97E-02	9.39E-06	1.24E-06	1.79E-03	5.66E-07	7.47E-08	9.58E-04	3.02E-07	3.99E-08	2.41E-06	1.20E-06
4410 486363.09, 3857877.25	1.50E-01	4.73E-05	6.24E-06	7.51E-02	2.37E-05	3.13E-06	3.29E-03	1.04E-06	1.37E-07	1.19E-03	3.77E-07	4.98E-08	6.16E-06	3.04E-06
4411 486863.09, 3857877.25	2.04E-01	6.43E-05	8.49E-06	1.16E-01	3.67E-05	4.85E-06	2.66E-02	8.40E-06	1.11E-06	1.72E-03	5.42E-07	7.15E-08	7.45E-06	3.81E-06
4412 487363.09, 3857877.25	1.96E-01	6.20E-05	8.18E-06	1.03E-01	3.24E-05	4.27E-06	1.09E-02	3.43E-06	4.53E-07	3.72E-03	1.17E-06	1.55E-07	7.88E-06	3.98E-06
4413 487863.09, 3857877.25	1.89E-01	5.98E-05	7.89E-06	9.57E-02	3.02E-05	3.99E-06	5.29E-03	1.67E-06	2.20E-07	2.96E-02	9.34E-06	1.23E-06	8.91E-06	5.00E-06
4414 488363.09, 3857877.25	9.88E-02	3.12E-05	4.12E-06	5.05E-02	1.59E-05	2.10E-06	3.74E-03	1.18E-06	1.56E-07	6.37E-03	2.01E-06	2.65E-07	4.23E-06	2.21E-06

4415 488863.09, 3857877.25	7.04E-02	2.22E-05	2.93E-06	3.62E-02	1.14E-05	1.51E-06	2.95E-03	9.32E-07	1.23E-07	3.79E-03	1.20E-06	1.58E-07	2.97E-06	1.54E-06
4416 489363.09, 3857877.25	6.95E-02	2.19E-05	2.89E-06	3.54E-02	1.12E-05	1.47E-06	2.42E-03	7.64E-07	1.01E-07	2.78E-03	8.77E-07	1.16E-07	2.91E-06	1.49E-06
4417 489863.09, 3857877.25	6.85E-02	2.16E-05	2.85E-06	3.46E-02	1.09E-05	1.44E-06	2.05E-03	6.47E-07	8.54E-08	2.22E-03	7.02E-07	9.27E-08	2.86E-06	1.45E-06
4418 490363.09, 3857877.25	4.81E-02	1.52E-05	2.00E-06	2.46E-02	7.76E-06	1.02E-06	1.81E-03	5.70E-07	7.52E-08	1.89E-03	5.97E-07	7.88E-08	2.01E-06	1.03E-06
4419 490863.09, 3857877.25	3.87E-02	1.22E-05	1.61E-06	1.99E-02	6.28E-06	8.29E-07	1.62E-03	5.10E-07	6.73E-08	1.66E-03	5.25E-07	6.93E-08	1.62E-06	8.31E-07
4420 491363.09, 3857877.25	3.65E-02	1.15E-05	1.52E-06	1.86E-02	5.88E-06	7.77E-07	1.39E-03	4.39E-07	5.79E-08	1.44E-03	4.54E-07	5.99E-08	1.52E-06	7.79E-07
4421 491863.09, 3857877.25	3.19E-02	1.01E-05	1.33E-06	1.63E-02	5.15E-06	6.79E-07	1.17E-03	3.69E-07	4.88E-08	1.23E-03	3.87E-07	5.11E-08	1.33E-06	6.82E-07
4422 492363.09, 3857877.25	2.76E-02	8.70E-06	1.15E-06	1.40E-02	4.42E-06	5.84E-07	9.15E-04	2.89E-07	3.81E-08	9.68E-04	3.05E-07	4.03E-08	1.15E-06	5.86E-07
4423 492863.09, 3857877.25	2.09E-02	6.58E-06	8.69E-07	1.06E-02	3.36E-06	4.43E-07	7.49E-04	2.36E-07	3.12E-08	7.77E-04	2.45E-07	3.24E-08	8.70E-07	4.44E-07
4424 493363.09, 3857877.25	1.74E-02	5.50E-06	7.26E-07	8.92E-03	2.81E-06	3.72E-07	6.74E-04	2.13E-07	2.81E-08	6.95E-04	2.19E-07	2.90E-08	7.27E-07	3.72E-07
4425 493863.09, 3857877.25	1.56E-02	4.92E-06	6.50E-07	8.00E-03	2.52E-06	3.33E-07	6.31E-04	1.99E-07	2.63E-08	6.50E-04	2.05E-07	2.71E-08	6.50E-07	3.34E-07
4426 494363.09, 3857877.25	1.43E-02	4.50E-06	5.94E-07	7.33E-03	2.31E-06	3.05E-07	6.02E-04	1.90E-07	2.51E-08	6.19E-04	1.95E-07	2.58E-08	5.95E-07	3.06E-07
4427 494863.09, 3857877.25	1.25E-02	3.94E-06	5.19E-07	6.43E-03	2.03E-06	2.68E-07	5.62E-04	1.77E-07	2.34E-08	5.75E-04	1.81E-07	2.39E-08	5.20E-07	2.68E-07
4428 495363.09, 3857877.25	1.17E-02	3.69E-06	4.88E-07	6.05E-03	1.91E-06	2.52E-07	5.44E-04	1.72E-07	2.26E-08	5.57E-04	1.76E-07	2.32E-08	4.88E-07	2.53E-07
4429 495863.09, 3857877.25	1.10E-02	3.49E-06	4.60E-07	5.72E-03	1.80E-06	2.38E-07	5.28E-04	1.67E-07	2.20E-08	5.40E-04	1.71E-07	2.25E-08	4.61E-07	2.39E-07
4430 496363.09, 3857877.25	1.09E-02	3.45E-06	4.55E-07	5.66E-03	1.79E-06	2.36E-07	5.23E-04	1.65E-07	2.18E-08	5.39E-04	1.70E-07	2.24E-08	4.56E-07	2.36E-07
4431 496863.09, 3857877.25	1.12E-02	3.53E-06	4.66E-07	5.79E-03	1.83E-06	2.41E-07	5.22E-04	1.65E-07	2.17E-08	5.39E-04	1.70E-07	2.24E-08	4.67E-07	2.42E-07
4432 497363.09, 3857877.25	1.13E-02	3.58E-06	4.72E-07	5.85E-03	1.85E-06	2.44E-07	5.15E-04	1.63E-07	2.15E-08	5.35E-04	1.69E-07	2.23E-08	4.73E-07	2.45E-07
4433 497863.09, 3857877.25	1.14E-02	3.61E-06	4.76E-07	5.91E-03	1.87E-06	2.46E-07	5.42E-04	1.71E-07	2.26E-08	5.68E-04	1.79E-07	2.37E-08	4.77E-07	2.47E-07
4434 498363.09, 3857877.25	1.20E-02	3.79E-06	5.01E-07	6.22E-03	1.96E-06	2.59E-07	5.67E-04	1.79E-07	2.36E-08	5.99E-04	1.89E-07	2.50E-08	5.02E-07	2.60E-07
4435 471363.09, 3858377.25	2.48E-03	7.83E-07	1.03E-07	1.33E-03	4.19E-07	5.53E-08	1.86E-04	5.88E-08	7.77E-09	1.98E-04	6.23E-08	8.23E-09	1.04E-07	5.58E-08
4436 471863.09, 3858377.25	2.57E-03	8.10E-07	1.07E-07	1.37E-03	4.33E-07	5.72E-08	1.90E-04	5.98E-08	7.90E-09	2.01E-04	6.34E-08	8.36E-09	1.07E-07	5.76E-08
4437 472363.09, 3858377.25	2.68E-03	8.47E-07	1.12E-07	1.43E-03	4.51E-07	5.96E-08	1.93E-04	6.08E-08	8.03E-09	2.04E-04	6.44E-08	8.50E-09	1.12E-07	6.00E-08
4438 472863.09, 3858377.25	2.80E-03	8.83E-07	1.17E-07	1.49E-03	4.70E-07	6.21E-08	1.97E-04	6.23E-08	8.22E-09	2.09E-04	6.59E-08	8.70E-09	1.17E-07	6.26E-08
4439 473363.09, 3858377.25	2.97E-03	9.36E-07	1.24E-07	1.58E-03	4.98E-07	6.57E-08	2.08E-04	6.58E-08	8.68E-09	2.19E-04	6.90E-08	9.11E-09	1.24E-07	6.62E-08
4440 473863.09, 3858377.25	3.09E-03	9.75E-07	1.29E-07	1.64E-03	5.17E-07	6.83E-08	2.08E-04	6.58E-08	8.68E-09	2.20E-04	6.95E-08	9.18E-09	1.29E-07	6.88E-08
4441 474363.09, 3858377.25	3.16E-03	9.96E-07	1.31E-07	1.66E-03	5.25E-07	6.93E-08	1.96E-04	6.18E-08	8.16E-09	2.11E-04	6.65E-08	8.77E-09	1.32E-07	6.99E-08
4442 474863.09, 3858377.25	3.12E-03	9.86E-07	1.30E-07	1.64E-03	5.17E-07	6.83E-08	1.83E-04	5.78E-08	7.64E-09	1.98E-04	6.23E-08	8.23E-09	1.31E-07	6.89E-08
4443 475363.09, 3858377.25	2.78E-03	8.77E-07	1.16E-07	1.46E-03	4.60E-07	6.07E-08	1.63E-04	5.14E-08	6.79E-09	1.73E-04	5.46E-08	7.21E-09	1.16E-07	6.12E-08
4444 475863.09, 3858377.25	2.46E-03	7.78E-07	1.03E-07	1.30E-03	4.09E-07	5.41E-08	1.52E-04	4.80E-08	6.33E-09	1.60E-04	5.05E-08	6.66E-09	1.03E-07	5.44E-08
4445 476363.09, 3858377.25	2.63E-03	8.32E-07	1.10E-07	1.38E-03	4.37E-07	5.76E-08	1.57E-04	4.94E-08	6.53E-09	1.65E-04	5.20E-08	6.87E-09	1.10E-07	5.80E-08
4446 476863.09, 3858377.25	2.82E-03	8.91E-07	1.18E-07	1.48E-03	4.67E-07	6.16E-08	1.63E-04	5.14E-08	6.79E-09	1.71E-04	5.41E-08	7.14E-09	1.18E-07	6.20E-08
4447 477363.09, 3858377.25	2.85E-03	9.01E-07	1.19E-07	1.50E-03	4.72E-07	6.23E-08	1.66E-04	5.24E-08	6.92E-09	1.73E-04	5.46E-08	7.21E-09	1.19E-07	6.26E-08
4448 477863.09, 3858377.25	3.40E-03	1.07E-06	1.41E-07	1.77E-03	5.59E-07	7.38E-08	1.82E-04	5.74E-08	7.57E-09	1.91E-04	6.03E-08	7.96E-09	1.42E-07	7.41E-08
4449 478363.09, 3858377.25	3.64E-03	1.15E-06	1.52E-07	1.90E-03	5.98E-07	7.90E-08	1.91E-04	6.03E-08	7.96E-09	2.01E-04	6.34E-08	8.36E-09	1.52E-07	7.94E-08
4450 478863.09, 3858377.25	3.09E-03	9.77E-07	1.29E-07	1.62E-03	5.12E-07	6.76E-08	1.82E-04	5.74E-08	7.57E-09	1.88E-04	5.92E-08	7.82E-09	1.29E-07	6.79E-08
4451 479363.09, 3858377.25	5.46E-03	1.72E-06	2.28E-07	2.82E-03	8.89E-07	1.17E-07	2.44E-04	7.71E-08	1.02E-08	2.69E-04	8.50E-08	1.12E-08	2.29E-07	1.18E-07
4452 479863.09, 3858377.25	6.35E-03	2.01E-06	2.65E-07	3.30E-03	1.04E-06	1.37E-07	3.18E-04	1.00E-07	1.32E-08	3.35E-04	1.06E-07	1.39E-08	2.65E-07	1.38E-07
4453 480363.09, 3858377.25	6.75E-03	2.13E-06	2.81E-07	3.52E-03	1.11E-06	1.47E-07	3.60E-04	1.14E-07	1.50E-08	3.66E-04	1.15E-07	1.52E-08	2.81E-07	1.47E-07
4454 480863.09, 3858377.25	7.29E-03	2.30E-06	3.04E-07	3.79E-03	1.20E-06	1.58E-07	3.79E-04	1.20E-07	1.58E-08	3.85E-04	1.22E-07	1.60E-08	3.04E-07	1.58E-07
4455 481363.09, 3858377.25	7.83E-03	2.47E-06	3.26E-07	4.07E-03	1.29E-06	1.70E-07	4.04E-04	1.28E-07	1.68E-08	4.06E-04	1.28E-07	1.69E-08	3.26E-07	1.70E-07
4456 481863.09, 3858377.25	8.41E-03	2.65E-06	3.50E-07	4.37E-03	1.38E-06	1.82E-07	4.21E-04	1.33E-07	1.76E-08	4.24E-04	1.34E-07	1.77E-08	3.51E-07	1.82E-07
4457 482363.09, 3858377.25	9.01E-03	2.84E-06	3.75E-07	4.68E-03	1.48E-06	1.95E-07	4.57E-04	1.44E-07	1.91E-08	4.51E-04	1.42E-07	1.88E-08	3.75E-07	1.95E-07
4458 482863.09, 3858377.25	9.36E-03	2.96E-06	3.90E-07	4.89E-03	1.54E-06	2.04E-07	5.19E-04	1.64E-07	2.16E-08	4.78E-04	1.51E-07	1.99E-08	3.88E-07	2.02E-07
4459 483363.09, 3858377.25	9.71E-03	3.06E-06	4.05E-07	5.10E-03	1.61E-06	2.12E-07	5.75E-04	1.81E-07	2.40E-08	5.01E-04	1.58E-07	2.09E-08	4.01E-07	2.09E-07
4460 483863.09, 3858377.25	1.05E-02	3.32E-06	4.38E-07	5.52E-03	1.74E-06	2.30E-07	6.25E-04	1.97E-07	2.60E-08	5.29E-04	1.67E-07	2.20E-08	4.34E-07	2.26E-07
4461 484363.09, 3858377.25	1.20E-02	3.78E-06	4.99E-07	6.28E-03	1.98E-06	2.61E-07	6.92E-04	2.19E-07	2.88E-08	5.73E-04	1.81E-07	2.39E-08	4.94E-07	2.57E-07
4462 484863.09, 3858377.25	1.47E-02	4.63E-06	6.11E-07	7.66E-03	2.42E-06	3.19E-07	7.94E-04	2.51E-07	3.31E-08	6.33E-04	2.00E-07	2.64E-08	6.05E-07	3.12E-07
4463 485363.09, 3858377.25	1.87E-02	5.91E-06	7.81E-07	9.73E-03	3.07E-06	4.05E-07	9.45E-04	2.98E-07	3.94E-08	7.13E-04	2.25E-07	2.97E-08	7.71E-07	3.96E-07
4464 485863.09, 3858377.25	2.64E-02	8.33E-06	1.10E-06	1.36E-02	4.29E-06	5.66E-07	1.15E-03	3.64E-07	4.81E-08	8.16E-04	2.58E-07	3.40E-08	1.09E-06	5.52E-07
4465 486363.09, 3858377.25	6.69E-02	2.11E-05	2.79E-06	3.35E-02	1.06E-05	1.40E-06	1.49E-03	4.70E-07	6.20E-08	9.63E-04	3.04E-07	4.01E-08	2.76E-06	1.37E-06
4466 486863.09, 3858377.25	1.55E-01	4.90E-05	6.47E-06	7.70E-02	2.43E-05	3.21E-06	2.15E-03	6.77E-07	8.94E-08	1.20E-03	3.80E-07	5.01E-08	6.43E-06	3.17E-06
4467 487363.09, 3858377.25	1.79E-01	5.66E-05	7.48E-06	9.01E-02	2.84E-05	3.75E-06	4.25E-03	1.34E-06	1.77E-07	1.72E-03	5.41E-07	7.15E-08	7.37E-06	3.65E-06
4468 487863.09, 3858377.25	2.74E-01	8.64E-05	1.14E-05	1.80E-01	5.68E-05	7.50E-06	7.22E-02	2.28E-05	3.01E-06	3.56E-03	1.12E-06	1.48E-07	8.55E-06	4.64E-06
4469 488363.09, 3858377.25	1.95E-01	6.14E-05	8.11E-06	1.01E-01	3.19E-05	4.21E-06	9.91E-03	3.13E-06	4.13E-07	3.87E-02	1.22E-05	1.61E-06	9.31E-06	5.41E-06
4470 488863.09, 3858377.25	1.03E-01	3.24E-05	4.28E-06	5.34E-02	1.69E-05	2.23E-06	5.31E-03	1.68E-06	2.21E-07	6.88E-03	2.17E-06	2.86E-07	4.35E-06	2.29E-06
4471 489363.09, 3858377.25	6.91E-02	2.18E-05	2.88E-06	3.60E-02	1.14E-05	1.50E-06	3.68E-03	1.16E-06	1.53E-07	3.98E-03	1.26E-06	1.66E-07	2.89E-06	1.51E-06
4472 489863.09, 3858377.25	5.45E-02	1.72E-05	2.27E-06	2.84E-02	8.95E-06	1.18E-06	2.86E-03	9.02E-07	1.19E-07	2.92E-03	9.21E-07	1.22E-07	2.27E-06	1.18E-06
4473 490363.09, 3858377.25	4.58E-02	1.45E-05	1.91E-06	2.38E-02	7.51E-06	9.92E-07	2.35E-03	7.43E-07	9.80E-08	2.35E-03	7.42E-07	9.80E-08	1.91E-06	9.92E-07
4474 490863.09, 3858377.25	3.97E-02	1.25E-05	1.65E-06	2.06E-02	6.51E-06	8.59E-07	2.01E-03	6.34E-07	8.37E-08	1.99E-03	6.29E-07	8.30E-08	1.65E-06	8.58E-07
4475 491363.09, 3858377.25	3.55E-02	1.12E-05	1.48E-06	1.83E-02	5.78E-06	7.63E-07	1.64E-03	5.18E-07	6.84E-08	1.64E-03	5.17E-07	6.82E-08	1.48E-06	7.63E-07
4476 491863.09, 3858377.25	3.25E-02	1.03E-05	1.35E-06	1.66E-02	5.24E-06	6.92E-07	1.24E-03	3.91E-07	5.16E-08	1.26E-03	3.97E-07	5.24E-08	1.35E-06	6.93E-07
4477 492363.09, 3858377.25	2.55E-02	8.05E-06	1.06E-06	1.30E-02	4.11E-06	5.43E-07	9.59E-04	3.03E-07	3.99E-08	9.76E-04	3.08E-07	4.07E-08	1.06E-06	5.44E-07
4478 492863.09, 3858377.25	2.49E-02	7.85E-06	1.04E-06	1.27E-02	4.01E-06	5.29E-07	9.40E-04	2.97E-07	3.92E-08	9.68E-04	3.05E-07	4.03E-08	1.04E-06	5.31E-07
4479 493363.09, 3858377.25	2.14E-02	6.74E-06	8.90E-07	1.09E-02	3.45E-06	4.56E-07	8.41E-04	2.66E-07	3.50E-08	8.67E-04	2.74E-07	3.61E-08	8.91E-07	4.57E-07
4480 493863.09, 3858377.25	1.91E-02	6.02E-06	7.95E-07	9.79E-03	3.09E-06	4.08E-07	7.75E-04	2.45E-07	3.23E-08	7.98E-04	2.52E-07	3.33E-08	7.96E-07	4.09E-07
4481 494363.09, 3858377.25	1.68E-02	5.31E-06	7.01E-07	8.65E-03	2.73E-06	3.60E-07	7.13E-04	2.25E-07	2.97E-08	7.36E-04	2.32E-07	3.07E-08	7.02E-07	3.61E-07
4482 494863.09, 3858377.25	1.50E-02	4.73E-06	6.25E-07	7.73E-03	2.44E-06	3.22E-07	6.67E-04	2.11E-07	2.78E-08	6.87E-04	2.17E-07	2.86E-08	6.25E-07	3.23E-07
4483 495363.09, 3858377.25	1.32E-02	4.17E-06	5.51E-07	6.84E-03	2.16E-06	2.85E-07	6.20E-04	1.96E-07	2.58E-08	6.38E-04	2.01E-07	2.66E-08	5.52E-07	2.86E-07
4484 495863.09, 3858377.25	1.27E-02	4.00E-06	5.28E-07	6.55E-03	2.07E-06	2.73E-07	6.03E-04	1.90E-07	2.51E-08	6.22E-04	1.96E-07	2.59E-08	5.28E-07	2.74E-07
4485 496363.09, 3858377.25	1.25E-02	3.93E-06	5.19E-07	6.45E-03	2.03E-06	2.69E-07	5.86E-04	1.85E-07	2.44E-08	6.06E-04	1.91E-07	2.52E-08	5.20E-07	2.69E-07
4486 496863.09, 3858377.25	1.23E-02	3.88E-06	5.12E-07	6.37E-03	2.01E-06	2.65E-07	5.89E-04	1.86E-07	2.45E-08	6.12E-04	1.93E-07	2.55E-08	5.13E-07	2.66E-07
4487 497363.09, 3858377.25	1.18E-02	3.74E-06	4.94E-07	6.14E-03	1.94E-06	2.56E-07	5.83E-04	1.84E-07	2.43E-08	6.07E-04	1.92E-07	2.53E-08	4.95E-07	2.57E-07
4488 497863.09, 3858377.25	1.22E-02	3.86E-06	5.09E-07	6.34E-03	2.00E-06	2.64E-07	6.06E-04	1.91E-07	2.53E-08	6.35E-04	2.00E-07	2.65E-08	5.10E-07	2.65E-07
4489 498363.09, 3858377.25	1.25E-02	3.93E-06	5.19E-07	6.48E-03	2.04E-06	2.70E-07	6.41E-04	2.02E-07	2.67E-08	6.73E-04	2.12E-07	2.80E-08	5.20E-07	2.71E-07
4490 471363.09, 3858877.25	2.45E-03	7.73E-07	1.02E-07	1.31E-03	4.13E-07	5.45E-08	1.82E-04	5.74E-08	7.57E-09	1.93E-04	6.08E-08	8.02E-09	1.02E-07	5.50E-08
4491 471863.09, 3858877.25	2.54E-03	8.00E-07	1.06E-07	1.35E-03	4.27E-07	5.64E-08	1.85E-04	5.83E-08	7.70E-09	1.94E-04	6.13E-08	8.09E-09	1.06E-07	5.68E-08
4492 472363.09, 3858877.25	2.65E-03	8.38E-07	1.11E-07	1.42E-03	4.47E-07	5.90E-08	1.91E-04	6.03E-08	7.96E-09	2.01E-04	6.34E-08	8.36E-09	1.11E-07	5.94E-08
4493 472863.09, 3858877.25	2.77E-03	8.75E-07	1.15E-07	1.48E-03	4.66E-07	6.15E-08	1.96E-04	6.18E-08	8.16E-09	2.06E-04	6.49E-08	8.57E-09	1.16E-07	6.19E-08
4494 473363.09, 3858877.25	2.88E-03	9.08E-07	1.20E-07	1.53E-03	4.84E-07	6.38E-08	2.04E-04	6.43E-08	8.48E-09	2.14E-04	6.75E-08	8.91E-09	1.20E-07	6.43E-08
4495 473863.09, 3858877.25	3.03E-03	9.57E-07	1.26E-07	1.61E-03	5.08E-07	6.70E-08	2.05E-04	6.48E-08	8.55E-09	2.15E-04	6.80E-08	8.98E-09	1.27E-07	6.74E-08
4496 474363.09, 3858877.25	3.10E-03	9.78E-07	1.29E-07	1.63E-03	5.16E-07	6.81E-08	1.94E-04	6.13E-08	8.09E-09	2.09E-04	6.59E-08	8.70E-09	1.30E-07	6.87E-08
4497 474863.09, 3858877.25	2.63E-03	8.29E-07	1.09E-07	1.38E-03	4.35E-07	5.74E-08	1.54E-04	4.85E-08	6.40E-09	1.65E-04	5.20E-08	6.87E-09	1.10E-07	5.79E-08
4498 475363.09, 3858877.25	2.34E-03	7.39E-07	9.75E-08	1.23E-03	3.89E-07	5.13E-08	1.44E-04	4.55E-08	6.00E-09	1.52E-04	4.79E-08	6.32E-09	9.78E-08	5.17E-08
4499 475863.09, 3858877.25	2.54E-03	8.02E-07	1.06E-07	1.33E-03	4.21E-07	5.56E-08	1.50E-04	4.75E-08	6.27E-09	1.58E-04	5.00E-08	6.60E-09	1.06E-07	5.59E-08
4500 476363.09, 3858877.25	2.17E-03	6.84E-07	9.02E-08	1.14E-03	3.61E-07	4.76E-08	1.36E-04	4.30E-08	5.68E-09	1.40E-04	4.43E-08	5.85E-09	9.04E-08	4.78E-08
4501 476863.09, 3858877.25	2.41E-03	7.62E-07	1.01E-07	1.27E-03	4.01E-07	5.29E-08	1.47E-04	4.65E-08	6.13E-09	1.52E-04	4.79E-08	6.32E-09	1.01E-07	5.31E-08
4502 477363.09, 3858877.25	2.53E-03	7.98E-07	1.05E-07	1.33E-03	4.19E-07	5.53E-08	1.50E-04	4.75E-08	6.27E-09	1.57E-04	4.95E-08	6.53E-09	1.06E-07	5.56E-08
4503 477863.09, 3858877.25	2.86E-03	9.03E-07	1.19E-07	1.50E-03	4.72E-07	6.24E-08	1.61E-04	5.09E-08	6.72E-09	1.68E-04	5.31E-08	7.00E-09	1.19E-07	6.26E-08
4504 478363.09, 3858877.25	4.14E-03	1.31E-06	1.72E-07	2.14E-03	6.75E-07	8.91E-08	1.96E-04	6.18E-08	8.16E-09	2.14E-04	6.75E-08	8.91E-09	1.73E-07	8.99E-08
4505 478863.09, 3858877.25	3.97E-03	1.25E-06	1.65E-07	2.05E-03	6.49E-07	8.56E-08	1.93E-04	6.08E-08	8.03E-09	2.07E-04	6.54E-08	8.64E-09	1.66E-07	8.62E-08
4506 479363.09, 3858877.25	3.63E-03	1.15E-06	1.51E-07	1.89E-03	5.97E-07	7.88E-08	1.91E-04	6.03E-08	7.96E-09	2.02E-04	6.39E-08	8.43E-09	1.52E-07	7.93E-08
4507 479863.09, 3858877.25	5.73E-03	1.81E-06	2.39E-07	2.99E-03	9.43E-07	1.24E-07	3.05E-04	9.64E-08	1.27E-08	3.15E-04	9.94E-08	1.31E-08	2.39E-07	1.25E-07
4508 480363.09, 3858877.25	6.06E-03	1.91E-06	2.53E-07	3.16E-03	9.99E-07	1.32E-07	3.32E-04	1.05E-07	1.38E-08	3.35E-04	1.06E-07	1.39E-08	2.53E-07	1.32E-07

4509 480863.09, 3858877.25	6.45E-03	2.04E-06	2.69E-07	3.37E-03	1.06E-06	1.40E-07	3.54E-04	1.12E-07	1.47E-08	3.53E-04	1.11E-07	1.47E-08	2.69E-07	1.40E-07
4510 481363.09, 3858877.25	6.86E-03	2.16E-06	2.86E-07	3.58E-03	1.13E-06	1.49E-07	3.74E-04	1.18E-07	1.56E-08	3.71E-04	1.17E-07	1.54E-08	2.85E-07	1.49E-07
4511 481863.09, 3858877.25	7.26E-03	2.29E-06	3.02E-07	3.79E-03	1.20E-06	1.58E-07	3.96E-04	1.25E-07	1.65E-08	3.93E-04	1.24E-07	1.64E-08	3.02E-07	1.58E-07
4512 482363.09, 3858877.25	7.80E-03	2.46E-06	3.25E-07	4.07E-03	1.28E-06	1.69E-07	4.23E-04	1.33E-07	1.76E-08	4.16E-04	1.31E-07	1.73E-08	3.25E-07	1.69E-07
4513 482863.09, 3858877.25	8.29E-03	2.62E-06	3.45E-07	4.33E-03	1.37E-06	1.80E-07	4.53E-04	1.43E-07	1.89E-08	4.44E-04	1.40E-07	1.85E-08	3.45E-07	1.80E-07
4514 483363.09, 3858877.25	8.29E-03	2.62E-06	3.45E-07	4.37E-03	1.38E-06	1.82E-07	5.29E-04	1.67E-07	2.21E-08	4.78E-04	1.51E-07	1.99E-08	3.43E-07	1.80E-07
4515 483863.09, 3858877.25	8.94E-03	2.82E-06	3.72E-07	4.71E-03	1.49E-06	1.96E-07	5.66E-04	1.78E-07	2.36E-08	5.01E-04	1.58E-07	2.09E-08	3.70E-07	1.94E-07
4516 484363.09, 3858877.25	1.00E-02	3.16E-06	4.17E-07	5.26E-03	1.66E-06	2.19E-07	6.08E-04	1.92E-07	2.53E-08	5.32E-04	1.68E-07	2.22E-08	4.13E-07	2.16E-07
4517 484863.09, 3858877.25	1.19E-02	3.75E-06	4.95E-07	6.21E-03	1.96E-06	2.59E-07	6.63E-04	2.09E-07	2.76E-08	5.70E-04	1.80E-07	2.37E-08	4.91E-07	2.55E-07
4518 485363.09, 3858877.25	1.50E-02	4.73E-06	6.24E-07	7.78E-03	2.45E-06	3.24E-07	7.49E-04	2.36E-07	3.12E-08	6.25E-04	1.97E-07	2.60E-08	6.19E-07	3.19E-07
4519 485863.09, 3858877.25	2.04E-02	6.44E-06	8.50E-07	1.05E-02	3.31E-06	4.37E-07	8.66E-04	2.73E-07	3.61E-08	7.04E-04	2.22E-07	2.93E-08	8.43E-07	4.30E-07
4520 486363.09, 3858877.25	3.75E-02	1.18E-05	1.56E-06	1.89E-02	5.97E-06	7.89E-07	1.02E-03	3.21E-07	4.24E-08	8.03E-04	2.53E-07	3.35E-08	1.55E-06	7.80E-07
4521 486863.09, 3858877.25	1.39E-01	4.39E-05	5.80E-06	6.85E-02	2.16E-05	2.85E-06	1.24E-03	3.91E-07	5.16E-08	9.55E-04	3.01E-07	3.98E-08	5.78E-06	2.84E-06
4522 487363.09, 3858877.25	1.67E-01	5.27E-05	6.96E-06	8.23E-02	2.60E-05	3.43E-06	1.62E-03	5.13E-07	6.77E-08	1.22E-03	3.84E-07	5.07E-08	6.94E-06	3.41E-06
4523 487863.09, 3858877.25	1.81E-01	5.70E-05	7.53E-06	8.95E-02	2.83E-05	3.73E-06	2.40E-03	7.57E-07	9.99E-08	1.71E-03	5.39E-07	7.11E-08	7.50E-06	3.70E-06
4524 488363.09, 3858877.25	1.87E-01	5.92E-05	7.81E-06	9.47E-02	2.99E-05	3.95E-06	5.39E-03	1.70E-06	2.25E-07	3.33E-03	1.05E-06	1.39E-07	7.72E-06	3.86E-06
4525 488863.09, 3858877.25	2.05E-01	6.48E-05	8.55E-06	1.24E-01	3.91E-05	5.16E-06	3.71E-02	1.17E-05	1.55E-06	5.64E-02	1.78E-05	2.35E-06	9.35E-06	5.96E-06
4526 489363.09, 3858877.25	8.62E-02	2.72E-05	3.59E-06	4.75E-02	1.50E-05	1.98E-06	8.54E-03	2.69E-06	3.56E-07	9.03E-03	2.85E-06	3.76E-07	3.61E-06	2.00E-06
4527 489863.09, 3858877.25	5.97E-02	1.89E-05	2.49E-06	3.23E-02	1.02E-05	1.34E-06	4.94E-03	1.56E-06	2.06E-07	4.91E-03	1.55E-06	2.05E-07	2.49E-06	1.34E-06
4528 490363.09, 3858877.25	4.76E-02	1.50E-05	1.98E-06	2.54E-02	8.01E-06	1.06E-06	3.43E-03	1.08E-06	1.43E-07	3.39E-03	1.07E-06	1.41E-07	1.98E-06	1.06E-06
4529 490863.09, 3858877.25	4.09E-02	1.29E-05	1.70E-06	2.15E-02	6.78E-06	8.95E-07	2.43E-03	7.67E-07	1.01E-07	2.41E-03	7.61E-07	1.01E-07	1.70E-06	8.94E-07
4530 491363.09, 3858877.25	3.68E-02	1.16E-05	1.53E-06	1.90E-02	6.00E-06	7.92E-07	1.73E-03	5.47E-07	7.22E-08	1.74E-03	5.49E-07	7.25E-08	1.53E-06	7.93E-07
4531 491863.09, 3858877.25	3.09E-02	9.76E-06	1.29E-06	1.59E-02	5.02E-06	6.62E-07	1.32E-03	4.15E-07	5.48E-08	1.33E-03	4.19E-07	5.54E-08	1.29E-06	6.63E-07
4532 492363.09, 3858877.25	2.88E-02	9.09E-06	1.20E-06	1.49E-02	4.69E-06	6.19E-07	1.29E-03	4.06E-07	5.36E-08	1.30E-03	4.11E-07	5.42E-08	1.20E-06	6.19E-07
4533 492863.09, 3858877.25	2.64E-02	8.34E-06	1.10E-06	1.37E-02	4.32E-06	5.71E-07	1.31E-03	4.13E-07	5.45E-08	1.32E-03	4.17E-07	5.50E-08	1.10E-06	5.71E-07
4534 493363.09, 3858877.25	2.40E-02	7.58E-06	1.00E-06	1.24E-02	3.92E-06	5.18E-07	1.15E-03	3.64E-07	4.80E-08	1.18E-03	3.71E-07	4.90E-08	1.00E-06	5.19E-07
4535 493863.09, 3858877.25	2.12E-02	6.70E-06	8.84E-07	1.10E-02	3.46E-06	4.57E-07	9.82E-04	3.10E-07	4.09E-08	1.01E-03	3.19E-07	4.21E-08	8.85E-07	4.58E-07
4536 494363.09, 3858877.25	1.93E-02	6.10E-06	8.05E-07	9.98E-03	3.15E-06	4.16E-07	8.96E-04	2.83E-07	3.73E-08	9.26E-04	2.92E-07	3.86E-08	8.06E-07	4.17E-07
4537 494863.09, 3858877.25	1.74E-02	5.48E-06	7.24E-07	8.98E-03	2.83E-06	3.74E-07	8.15E-04	2.57E-07	3.39E-08	8.44E-04	2.66E-07	3.52E-08	7.25E-07	3.75E-07
4538 495363.09, 3858877.25	1.56E-02	4.93E-06	6.50E-07	8.08E-03	2.55E-06	3.37E-07	7.49E-04	2.36E-07	3.12E-08	7.75E-04	2.45E-07	3.23E-08	6.52E-07	3.38E-07
4539 495863.09, 3858877.25	1.49E-02	4.71E-06	6.22E-07	7.73E-03	2.44E-06	3.22E-07	7.08E-04	2.23E-07	2.95E-08	7.36E-04	2.32E-07	3.07E-08	6.23E-07	3.23E-07
4540 496363.09, 3858877.25	1.39E-02	4.38E-06	5.78E-07	7.19E-03	2.27E-06	3.00E-07	6.86E-04	2.17E-07	2.86E-08	7.15E-04	2.26E-07	2.98E-08	5.79E-07	3.01E-07
4541 496863.09, 3858877.25	1.31E-02	4.13E-06	5.45E-07	6.79E-03	2.14E-06	2.83E-07	6.69E-04	2.11E-07	2.79E-08	6.97E-04	2.20E-07	2.90E-08	5.46E-07	2.84E-07
4542 497363.09, 3858877.25	1.24E-02	3.91E-06	5.17E-07	6.46E-03	2.04E-06	2.69E-07	6.53E-04	2.06E-07	2.72E-08	6.82E-04	2.15E-07	2.84E-08	5.18E-07	2.70E-07
4543 497863.09, 3858877.25	1.25E-02	3.93E-06	5.19E-07	6.50E-03	2.05E-06	2.71E-07	6.83E-04	2.16E-07	2.85E-08	7.13E-04	2.25E-07	2.97E-08	5.20E-07	2.72E-07
4544 498363.09, 3858877.25	1.22E-02	3.85E-06	5.08E-07	6.40E-03	2.02E-06	2.67E-07	7.17E-04	2.26E-07	2.99E-08	7.48E-04	2.36E-07	3.11E-08	5.09E-07	2.68E-07
4545 471363.09, 3859377.25	2.41E-03	7.62E-07	1.01E-07	1.29E-03	4.07E-07	5.37E-08	1.77E-04	5.59E-08	7.37E-09	1.86E-04	5.87E-08	7.75E-09	1.01E-07	5.41E-08
4546 471863.09, 3859377.25	2.50E-03	7.90E-07	1.04E-07	1.34E-03	4.22E-07	5.56E-08	1.82E-04	5.74E-08	7.57E-09	1.91E-04	6.03E-08	7.96E-09	1.05E-07	5.60E-08
4547 472363.09, 3859377.25	2.61E-03	8.23E-07	1.09E-07	1.39E-03	4.38E-07	5.79E-08	1.86E-04	5.88E-08	7.77E-09	1.96E-04	6.18E-08	8.16E-09	1.09E-07	5.83E-08
4548 472863.09, 3859377.25	2.70E-03	8.52E-07	1.12E-07	1.44E-03	4.54E-07	5.99E-08	1.93E-04	6.08E-08	8.03E-09	2.01E-04	6.34E-08	8.36E-09	1.13E-07	6.03E-08
4549 473363.09, 3859377.25	2.81E-03	8.85E-07	1.17E-07	1.49E-03	4.72E-07	6.22E-08	1.99E-04	6.28E-08	8.29E-09	2.06E-04	6.49E-08	8.57E-09	1.17E-07	6.25E-08
4550 473863.09, 3859377.25	2.94E-03	9.26E-07	1.22E-07	1.56E-03	4.92E-07	6.50E-08	2.02E-04	6.38E-08	8.42E-09	2.09E-04	6.59E-08	8.70E-09	1.23E-07	6.52E-08
4551 474363.09, 3859377.25	3.00E-03	9.48E-07	1.25E-07	1.59E-03	5.00E-07	6.60E-08	1.91E-04	6.03E-08	7.96E-09	2.02E-04	6.39E-08	8.43E-09	1.26E-07	6.65E-08
4552 474863.09, 3859377.25	2.95E-03	9.30E-07	1.23E-07	1.54E-03	4.87E-07	6.43E-08	1.71E-04	5.39E-08	7.11E-09	1.84E-04	5.82E-08	7.68E-09	1.23E-07	6.49E-08
4553 475363.09, 3859377.25	2.63E-03	8.29E-07	1.09E-07	1.38E-03	4.34E-07	5.73E-08	1.50E-04	4.75E-08	6.27E-09	1.62E-04	5.10E-08	6.73E-09	1.10E-07	5.78E-08
4554 475863.09, 3859377.25	2.21E-03	6.97E-07	9.20E-08	1.16E-03	3.67E-07	4.84E-08	1.36E-04	4.30E-08	5.68E-09	1.44E-04	4.53E-08	5.98E-09	9.23E-08	4.87E-08
4555 476363.09, 3859377.25	2.15E-03	6.79E-07	8.96E-08	1.13E-03	3.58E-07	4.73E-08	1.35E-04	4.25E-08	5.61E-09	1.40E-04	4.43E-08	5.85E-09	8.99E-08	4.75E-08
4556 476863.09, 3859377.25	2.01E-03	6.34E-07	8.37E-08	1.06E-03	3.35E-07	4.42E-08	1.30E-04	4.10E-08	5.42E-09	1.34E-04	4.22E-08	5.58E-09	8.38E-08	4.44E-08
4557 477363.09, 3859377.25	2.14E-03	6.75E-07	8.91E-08	1.13E-03	3.56E-07	4.70E-08	1.35E-04	4.25E-08	5.61E-09	1.40E-04	4.43E-08	5.85E-09	8.94E-08	4.72E-08
4558 477863.09, 3859377.25	2.90E-03	9.15E-07	1.21E-07	1.51E-03	4.77E-07	6.30E-08	1.57E-04	4.94E-08	6.53E-09	1.66E-04	5.25E-08	6.94E-09	1.21E-07	6.34E-08
4559 478363.09, 3859377.25	3.74E-03	1.18E-06	1.56E-07	1.94E-03	6.12E-07	8.07E-08	1.79E-04	5.64E-08	7.44E-09	1.94E-04	6.13E-08	8.09E-09	1.57E-07	8.14E-08
4560 478863.09, 3859377.25	4.50E-03	1.42E-06	1.87E-07	2.32E-03	7.34E-07	9.69E-08	2.10E-04	6.63E-08	8.75E-09	2.30E-04	7.26E-08	9.59E-09	1.88E-07	9.77E-08
4561 479363.09, 3859377.25	4.95E-03	1.56E-06	2.06E-07	2.57E-03	8.10E-07	1.07E-07	2.44E-04	7.71E-08	1.02E-08	2.61E-04	8.24E-08	1.09E-08	2.07E-07	1.08E-07
4562 479863.09, 3859377.25	5.28E-03	1.67E-06	2.20E-07	2.75E-03	8.68E-07	1.15E-07	2.76E-04	8.70E-08	1.15E-08	2.86E-04	9.02E-08	1.19E-08	2.21E-07	1.15E-07
4563 480363.09, 3859377.25	5.52E-03	1.74E-06	2.30E-07	2.88E-03	9.10E-07	1.20E-07	3.05E-04	9.64E-08	1.27E-08	3.09E-04	9.74E-08	1.29E-08	2.30E-07	1.20E-07
4564 480863.09, 3859377.25	5.76E-03	1.82E-06	2.40E-07	3.02E-03	9.52E-07	1.26E-07	3.29E-04	1.04E-07	1.37E-08	3.26E-04	1.03E-07	1.36E-08	2.40E-07	1.26E-07
4565 481363.09, 3859377.25	6.03E-03	1.90E-06	2.51E-07	3.16E-03	9.97E-07	1.32E-07	3.48E-04	1.10E-07	1.45E-08	3.43E-04	1.08E-07	1.43E-08	2.51E-07	1.31E-07
4566 481863.09, 3859377.25	6.33E-03	2.00E-06	2.64E-07	3.32E-03	1.05E-06	1.38E-07	3.67E-04	1.16E-07	1.53E-08	3.59E-04	1.13E-07	1.50E-08	2.64E-07	1.38E-07
4567 482363.09, 3859377.25	6.78E-03	2.14E-06	2.83E-07	3.55E-03	1.12E-06	1.48E-07	3.88E-04	1.23E-07	1.62E-08	3.79E-04	1.20E-07	1.58E-08	2.82E-07	1.48E-07
4568 482863.09, 3859377.25	7.14E-03	2.25E-06	2.97E-07	3.74E-03	1.18E-06	1.56E-07	4.14E-04	1.31E-07	1.72E-08	4.00E-04	1.26E-07	1.67E-08	2.97E-07	1.55E-07
4569 483363.09, 3859377.25	7.39E-03	2.33E-06	3.08E-07	3.89E-03	1.23E-06	1.62E-07	4.59E-04	1.45E-07	1.91E-08	4.28E-04	1.35E-07	1.78E-08	3.07E-07	1.61E-07
4570 483863.09, 3859377.25	7.73E-03	2.44E-06	3.22E-07	4.09E-03	1.29E-06	1.70E-07	4.97E-04	1.57E-07	2.07E-08	4.54E-04	1.43E-07	1.89E-08	3.20E-07	1.68E-07
4571 484363.09, 3859377.25	8.56E-03	2.70E-06	3.56E-07	4.51E-03	1.42E-06	1.88E-07	5.37E-04	1.70E-07	2.24E-08	4.90E-04	1.55E-07	2.04E-08	3.54E-07	1.86E-07
4572 484863.09, 3859377.25	9.82E-03	3.10E-06	4.09E-07	5.16E-03	1.63E-06	2.15E-07	5.84E-04	1.84E-07	2.43E-08	5.29E-04	1.67E-07	2.20E-08	4.07E-07	2.13E-07
4573 485363.09, 3859377.25	1.19E-02	3.76E-06	4.97E-07	6.22E-03	1.96E-06	2.59E-07	6.44E-04	2.03E-07	2.68E-08	5.78E-04	1.82E-07	2.41E-08	4.94E-07	2.56E-07
4574 485863.09, 3859377.25	1.52E-02	4.80E-06	6.34E-07	7.87E-03	2.48E-06	3.28E-07	7.16E-04	2.26E-07	2.98E-08	6.33E-04	2.00E-07	2.64E-08	6.30E-07	3.24E-07
4575 486363.09, 3859377.25	2.14E-02	6.77E-06	8.94E-07	1.10E-02	3.46E-06	4.56E-07	7.97E-04	2.52E-07	3.32E-08	6.99E-04	2.20E-07	2.91E-08	8.89E-07	4.52E-07
4576 486863.09, 3859377.25	5.47E-02	1.73E-05	2.28E-06	2.72E-02	8.59E-06	1.13E-06	9.02E-04	2.85E-07	3.76E-08	7.83E-04	2.47E-07	3.26E-08	2.28E-06	1.13E-06
4577 487363.09, 3859377.25	1.39E-01	4.40E-05	5.81E-06	6.86E-02	2.16E-05	2.86E-06	1.05E-03	3.31E-07	4.37E-08	9.19E-04	2.90E-07	3.83E-08	5.81E-06	2.85E-06
4578 487863.09, 3859377.25	1.61E-01	5.09E-05	6.72E-06	7.93E-02	2.50E-05	3.30E-06	1.29E-03	4.06E-07	5.36E-08	1.15E-03	3.62E-07	4.77E-08	6.71E-06	3.30E-06
4579 488363.09, 3859377.25	1.72E-01	5.41E-05	7.15E-06	8.46E-02	2.67E-05	3.52E-06	1.71E-03	5.38E-07	7.11E-08	1.55E-03	4.88E-07	6.45E-08	7.14E-06	3.52E-06
4580 488863.09, 3859377.25	1.23E-01	3.88E-05	5.12E-06	6.16E-02	1.94E-05	2.57E-06	2.66E-03	8.41E-07	1.11E-07	2.51E-03	7.93E-07	1.05E-07	5.12E-06	2.56E-06
4581 489363.09, 3859377.25	7.71E-02	2.43E-05	3.21E-06	4.22E-02	1.33E-05	1.76E-06	7.19E-03	2.27E-06	3.00E-07	7.07E-03	2.23E-06	2.94E-07	3.21E-06	1.75E-06
4582 489863.09, 3859377.25	1.48E-01	4.68E-05	6.18E-06	8.73E-02	2.75E-05	3.64E-06	2.33E-02	7.35E-06	9.71E-07	2.47E-02	7.79E-06	1.03E-06	6.24E-06	3.69E-06
4583 490363.09, 3859377.25	6.39E-02	2.02E-05	2.66E-06	3.59E-02	1.13E-05	1.50E-06	7.45E-03	2.35E-06	3.10E-07	7.66E-03	2.42E-06	3.19E-07	2.67E-06	1.51E-06
4584 490863.09, 3859377.25	4.64E-02	1.47E-05	1.93E-06	2.52E-02	7.96E-06	1.05E-06	4.08E-03	1.29E-06	1.70E-07	4.16E-03	1.31E-06	1.73E-07	1.94E-06	1.05E-06
4585 491363.09, 3859377.25	3.91E-02	1.23E-05	1.63E-06	2.06E-02	6.50E-06	8.58E-07	2.42E-03	7.64E-07	1.01E-07	2.48E-03	7.84E-07	1.03E-07	1.63E-06	8.61E-07
4586 491863.09, 3859377.25	3.24E-02	1.02E-05	1.35E-06	1.73E-02	5.45E-06	7.19E-07	2.28E-03	7.19E-07	9.50E-08	2.32E-03	7.33E-07	9.68E-08	1.35E-06	7.21E-07
4587 492363.09, 3859377.25	2.85E-02	8.98E-06	1.19E-06	1.51E-02	4.77E-06	6.29E-07	1.94E-03	6.13E-07	8.09E-08	1.98E-03	6.23E-07	8.23E-08	1.19E-06	6.31E-07
4588 492863.09, 3859377.25	2.54E-02	8.00E-06	1.06E-06	1.35E-02	4.25E-06	5.61E-07	1.74E-03	5.48E-07	7.24E-08	1.76E-03	5.56E-07	7.34E-08	1.06E-06	5.62E-07
4589 493363.09, 3859377.25	2.31E-02	7.28E-06	9.61E-07	1.22E-02	3.84E-06	5.07E-07	1.46E-03	4.61E-07	6.08E-08	1.48E-03	4.67E-07	6.17E-08	9.62E-07	5.08E-07
4590 493863.09, 3859377.25	2.10E-02	6.63E-06	8.75E-07	1.11E-02	3.50E-06	4.61E-07	1.32E-03	4.17E-07	5.51E-08	1.34E-03	4.23E-07	5.59E-08	8.76E-07	4.62E-07
4591 494363.09, 3859377.25	1.94E-02	6.11E-06	8.07E-07	1.02E-02	3.21E-06	4.24E-07	1.18E-03	3.73E-07	4.92E-08	1.20E-03	3.80E-07	5.02E-08	8.08E-07	4.25E-07
4592 494863.09, 3859377.25	1.97E-02	6.23E-06	8.22E-07	1.03E-02	3.24E-06	4.27E-07	1.01E-03	3.19E-07	4.21E-08	1.04E-03	3.28E-07	4.33E-08	8.23E-07	4.28E-07
4593 495363.09, 3859377.25	1.63E-02	5.16E-06	6.81E-07	8.56E-03	2.70E-06	3.57E-07	9.38E-04	2.96E-07	3.91E-08	9.70E-04	3.06E-07	4.04E-08	6.82E-07	3.58E-07
4594 495863.09, 3859377.25	1.50E-02	4.72E-06	6.23E-07	7.84E-03	2.47E-06	3.27E-07	8.62E-04	2.72E-07	3.59E-08	8.93E-04	2.82E-07	3.72E-08	6.24E-07	3.28E-07
4595 496363.09, 3859377.25	1.40E-02	4.42E-06	5.83E-07	7.35E-03	2.32E-06	3.06E-07	8.30E-04	2.62E-07	3.46E-08	8.60E-04	2.71E-07	3.58E-08	5.84E-07	3.07E-07
4596 496863.09, 3859377.25	1.28E-02	4.06E-06	5.35E-07	6.75E-03	2.13E-06	2.81E-07	7.64E-04	2.41E-07	3.18E-08	7.93E-04	2.50E-07	3.30E-08	5.36E-07	2.82E-07
4597 497363.09, 3859377.25	1.23E-02	3.89E-06	5.13E-07	6.49E-03	2.05E-06	2.70E-07	7.64E-04	2.41E-07	3.18E-08	7.93E-04	2.50E-07	3.30E-08	5.14E-07	2.71E-07
4598 497863.09, 3859377.25	1.19E-02	3.76E-06	4.96E-07	6.30E-03	1.99E-06	2.63E-07	7.94E-04	2.51E-07	3.31E-08	8.21E-04	2.59E-07	3.42E-08	4.97E-07	2.64E-07
4599 498363.09, 3859377.25	1.14E-02	3.60E-06	4.76E-07	6.09E-03	1.92E-06	2.54E-07	8.22E-04	2.60E-07	3.43E-08	8.46E-04	2.67E-07	3.52E-08	4.77E-07	2.55E-07
4600 471363.09, 3859877.25	2.36E-03	7.45E-07	9.83E-08	1.26E-03	3.98E-07	5.25E-08	1.74E-04	5.49E-08	7.24E-09	1.81E-04	5.72E-08	7.55E-09	9.86E-08	5.28E-08
4601 471863.09, 3859877.25	2.45E-03	7.73E-07	1.02E-07	1.31E-03	4.13E-07	5.45E-08	1.79E-04	5.64E-08	7.44E-09	1.86E-04	5.87E-08	7.75E-09	1.02E-07	5.48E-08
4602 472363.09, 3859877.25	2.54E-03	8.01E-07	1.06E-07	1.35E-03	4.27E-07	5.63E-08	1.82E-04	5.74E-08	7.57E-09	1.89E-04	5.98E-08	7.89E-09	1.06E-07	5.67E-08

4603 472863.09, 3859877.25	2.62E-03	8.26E-07	1.09E-07	1.40E-03	4.40E-07	5.81E-08	1.88E-04	5.93E-08	7.83E-09	1.94E-04	6.13E-08	8.09E-09	1.09E-07	5.84E-08
4604 473363.09, 3859877.25	2.71E-03	8.55E-07	1.13E-07	1.44E-03	4.55E-07	6.01E-08	1.93E-04	6.08E-08	8.03E-09	1.99E-04	6.29E-08	8.30E-09	1.13E-07	6.04E-08
4605 473863.09, 3859877.25	2.83E-03	8.92E-07	1.18E-07	1.50E-03	4.74E-07	6.26E-08	1.97E-04	6.23E-08	8.22E-09	2.04E-04	6.44E-08	8.50E-09	1.18E-07	6.29E-08
4606 474363.09, 3859877.25	2.95E-03	9.32E-07	1.23E-07	1.56E-03	4.92E-07	6.50E-08	1.90E-04	5.98E-08	7.90E-09	2.01E-04	6.34E-08	8.36E-09	1.24E-07	6.55E-08
4607 474863.09, 3859877.25	2.98E-03	9.39E-07	1.24E-07	1.56E-03	4.93E-07	6.51E-08	1.77E-04	5.59E-08	7.37E-09	1.91E-04	6.03E-08	7.96E-09	1.25E-07	6.57E-08
4608 475363.09, 3859877.25	2.75E-03	8.66E-07	1.14E-07	1.44E-03	4.53E-07	5.98E-08	1.54E-04	4.85E-08	6.40E-09	1.65E-04	5.20E-08	6.87E-09	1.15E-07	6.03E-08
4609 475863.09, 3859877.25	2.11E-03	6.65E-07	8.78E-08	1.11E-03	3.51E-07	4.63E-08	1.32E-04	4.15E-08	5.48E-09	1.39E-04	4.38E-08	5.78E-09	8.81E-08	4.66E-08
4610 476363.09, 3859877.25	1.75E-03	5.51E-07	7.27E-08	9.26E-04	2.92E-07	3.86E-08	1.17E-04	3.71E-08	4.89E-09	1.22E-04	3.86E-08	5.10E-09	7.30E-08	3.88E-08
4611 476863.09, 3859877.25	1.87E-03	5.89E-07	7.77E-08	9.88E-04	3.12E-07	4.12E-08	1.24E-04	3.91E-08	5.16E-09	1.29E-04	4.07E-08	5.37E-09	7.79E-08	4.14E-08
4612 477363.09, 3859877.25	1.96E-03	6.17E-07	8.15E-08	1.03E-03	3.27E-07	4.31E-08	1.28E-04	4.05E-08	5.35E-09	1.34E-04	4.22E-08	5.58E-09	8.17E-08	4.33E-08
4613 477863.09, 3859877.25	2.64E-03	8.33E-07	1.10E-07	1.38E-03	4.36E-07	5.75E-08	1.47E-04	4.65E-08	6.13E-09	1.57E-04	4.95E-08	6.53E-09	1.10E-07	5.79E-08
4614 478363.09, 3859877.25	3.55E-03	1.12E-06	1.48E-07	1.84E-03	5.81E-07	7.67E-08	1.71E-04	5.39E-08	7.11E-09	1.86E-04	5.87E-08	7.75E-09	1.49E-07	7.73E-08
4615 478863.09, 3859877.25	4.21E-03	1.33E-06	1.75E-07	2.18E-03	6.87E-07	9.07E-08	2.02E-04	6.38E-08	8.42E-09	2.20E-04	6.95E-08	9.18E-09	1.76E-07	9.15E-08
4616 479363.09, 3859877.25	4.65E-03	1.47E-06	1.94E-07	2.42E-03	7.63E-07	1.01E-07	2.40E-04	7.56E-08	9.99E-09	2.53E-04	7.99E-08	1.05E-08	1.94E-07	1.01E-07
4617 479863.09, 3859877.25	4.86E-03	1.53E-06	2.02E-07	2.54E-03	8.01E-07	1.06E-07	2.69E-04	8.50E-08	1.12E-08	2.76E-04	8.71E-08	1.15E-08	2.03E-07	1.06E-07
4618 480363.09, 3859877.25	5.02E-03	1.58E-06	2.09E-07	2.63E-03	8.31E-07	1.10E-07	2.95E-04	9.30E-08	1.23E-08	2.95E-04	9.32E-08	1.23E-08	2.09E-07	1.10E-07
4619 480863.09, 3859877.25	5.20E-03	1.64E-06	2.17E-07	2.74E-03	8.63E-07	1.14E-07	3.13E-04	9.89E-08	1.31E-08	3.10E-04	9.79E-08	1.29E-08	2.17E-07	1.14E-07
4620 481363.09, 3859877.25	5.40E-03	1.70E-06	2.25E-07	2.84E-03	8.96E-07	1.18E-07	3.29E-04	1.04E-07	1.37E-08	3.23E-04	1.02E-07	1.35E-08	2.25E-07	1.18E-07
4621 481863.09, 3859877.25	5.66E-03	1.78E-06	2.36E-07	2.98E-03	9.39E-07	1.24E-07	3.45E-04	1.09E-07	1.44E-08	3.38E-04	1.07E-07	1.41E-08	2.35E-07	1.24E-07
4622 482363.09, 3859877.25	5.97E-03	1.89E-06	2.49E-07	3.14E-03	9.92E-07	1.31E-07	3.63E-04	1.15E-07	1.51E-08	3.54E-04	1.12E-07	1.48E-08	2.49E-07	1.31E-07
4623 482863.09, 3859877.25	6.27E-03	1.98E-06	2.61E-07	3.30E-03	1.04E-06	1.37E-07	3.81E-04	1.20E-07	1.59E-08	3.69E-04	1.16E-07	1.54E-08	2.61E-07	1.37E-07
4624 483363.09, 3859877.25	6.56E-03	2.07E-06	2.73E-07	3.46E-03	1.09E-06	1.44E-07	4.03E-04	1.27E-07	1.68E-08	3.88E-04	1.23E-07	1.62E-08	2.73E-07	1.43E-07
4625 483863.09, 3859877.25	6.71E-03	2.12E-06	2.80E-07	3.55E-03	1.12E-06	1.48E-07	4.37E-04	1.38E-07	1.82E-08	4.10E-04	1.29E-07	1.71E-08	2.79E-07	1.47E-07
4626 484363.09, 3859877.25	7.26E-03	2.29E-06	3.02E-07	3.83E-03	1.21E-06	1.60E-07	4.64E-04	1.46E-07	1.93E-08	4.33E-04	1.37E-07	1.80E-08	3.01E-07	1.58E-07
4627 484863.09, 3859877.25	8.06E-03	2.55E-06	3.36E-07	4.24E-03	1.34E-06	1.77E-07	4.93E-04	1.56E-07	2.06E-08	4.62E-04	1.46E-07	1.92E-08	3.35E-07	1.75E-07
4628 485363.09, 3859877.25	9.35E-03	2.95E-06	3.89E-07	4.90E-03	1.55E-06	2.04E-07	5.36E-04	1.69E-07	2.23E-08	5.01E-04	1.58E-07	2.09E-08	3.88E-07	2.03E-07
4629 485863.09, 3859877.25	1.13E-02	3.56E-06	4.70E-07	5.87E-03	1.85E-06	2.45E-07	5.94E-04	1.87E-07	2.47E-08	5.52E-04	1.74E-07	2.30E-08	4.68E-07	2.43E-07
4630 486363.09, 3859877.25	1.39E-02	4.40E-06	5.80E-07	7.21E-03	2.28E-06	3.00E-07	6.63E-04	2.09E-07	2.76E-08	6.15E-04	1.94E-07	2.56E-08	5.78E-07	2.98E-07
4631 486863.09, 3859877.25	1.83E-02	5.77E-06	7.62E-07	9.39E-03	2.96E-06	3.91E-07	7.44E-04	2.35E-07	3.10E-08	6.92E-04	2.18E-07	2.88E-08	7.60E-07	3.89E-07
4632 487363.09, 3859877.25	3.20E-02	1.01E-05	1.33E-06	1.61E-02	5.08E-06	6.71E-07	8.32E-04	2.63E-07	3.47E-08	7.77E-04	2.45E-07	3.24E-08	1.33E-06	6.68E-07
4633 487863.09, 3859877.25	1.31E-01	4.12E-05	5.44E-06	6.42E-02	2.03E-05	2.67E-06	9.46E-04	2.99E-07	3.94E-08	8.98E-04	2.83E-07	3.74E-08	5.44E-06	2.67E-06
4634 488363.09, 3859877.25	1.37E-01	4.34E-05	5.72E-06	6.76E-02	2.13E-05	2.81E-06	1.08E-03	3.42E-07	4.51E-08	1.05E-03	3.30E-07	4.36E-08	5.72E-06	2.81E-06
4635 488863.09, 3859877.25	7.62E-02	2.40E-05	3.17E-06	3.79E-02	1.20E-05	1.58E-06	1.34E-03	4.24E-07	5.59E-08	1.32E-03	4.16E-07	5.49E-08	3.17E-06	1.58E-06
4636 489363.09, 3859877.25	6.17E-02	1.95E-05	2.57E-06	3.12E-02	9.85E-06	1.30E-06	1.81E-03	5.71E-07	7.54E-08	1.82E-03	5.75E-07	7.59E-08	2.57E-06	1.30E-06
4637 489863.09, 3859877.25	4.75E-02	1.50E-05	1.98E-06	2.50E-02	7.88E-06	1.04E-06	2.85E-03	8.99E-07	1.19E-07	2.90E-03	9.15E-07	1.21E-07	1.98E-06	1.04E-06
4638 490363.09, 3859877.25	4.60E-02	1.45E-05	1.92E-06	2.65E-02	8.37E-06	1.10E-06	6.40E-03	2.02E-06	2.67E-07	6.56E-03	2.07E-06	2.73E-07	1.92E-06	1.11E-06
4639 490863.09, 3859877.25	1.53E-01	4.82E-05	6.36E-06	1.06E-01	3.33E-05	4.40E-06	4.86E-02	1.53E-05	2.02E-06	5.58E-02	1.76E-05	2.32E-06	6.66E-06	4.70E-06
4640 491363.09, 3859877.25	6.42E-02	2.03E-05	2.67E-06	3.73E-02	1.18E-05	1.55E-06	9.40E-03	2.97E-06	3.92E-07	9.77E-03	3.08E-06	4.07E-07	2.69E-06	1.57E-06
4641 491863.09, 3859877.25	3.75E-02	1.18E-05	1.56E-06	2.13E-02	6.73E-06	8.88E-07	4.76E-03	1.50E-06	1.98E-07	4.93E-03	1.55E-06	2.05E-07	1.57E-06	8.95E-07
4642 492363.09, 3859877.25	2.87E-02	9.06E-06	1.20E-06	1.61E-02	5.07E-06	6.69E-07	3.23E-03	1.02E-06	1.35E-07	3.33E-03	1.05E-06	1.39E-07	1.20E-06	6.73E-07
4643 492863.09, 3859877.25	2.39E-02	7.55E-06	9.97E-07	1.32E-02	4.16E-06	5.49E-07	2.37E-03	7.49E-07	9.89E-08	2.44E-03	7.71E-07	1.02E-07	9.99E-07	5.52E-07
4644 493363.09, 3859877.25	2.08E-02	6.56E-06	8.66E-07	1.14E-02	3.59E-06	4.74E-07	1.96E-03	6.18E-07	8.15E-08	2.01E-03	6.33E-07	8.36E-08	8.68E-07	4.76E-07
4645 493863.09, 3859877.25	1.86E-02	5.87E-06	7.75E-07	1.01E-02	3.20E-06	4.23E-07	1.68E-03	5.31E-07	7.01E-08	1.72E-03	5.42E-07	7.15E-08	7.77E-07	4.24E-07
4646 494363.09, 3859877.25	1.73E-02	5.47E-06	7.22E-07	9.38E-03	2.96E-06	3.91E-07	1.45E-03	4.57E-07	6.04E-08	1.48E-03	4.66E-07	6.15E-08	7.24E-07	3.92E-07
4647 494863.09, 3859877.25	1.58E-02	4.98E-06	6.58E-07	8.54E-03	2.69E-06	3.56E-07	1.32E-03	4.18E-07	5.51E-08	1.35E-03	4.26E-07	5.62E-08	6.59E-07	3.57E-07
4648 495363.09, 3859877.25	1.46E-02	4.59E-06	6.06E-07	7.86E-03	2.48E-06	3.27E-07	1.20E-03	3.78E-07	4.99E-08	1.22E-03	3.85E-07	5.09E-08	6.07E-07	3.28E-07
4649 495863.09, 3859877.25	1.36E-02	4.29E-06	5.66E-07	7.31E-03	2.31E-06	3.05E-07	1.09E-03	3.43E-07	4.53E-08	1.11E-03	3.51E-07	4.63E-08	5.67E-07	3.06E-07
4650 496363.09, 3859877.25	1.26E-02	3.99E-06	5.27E-07	6.78E-03	2.14E-06	2.82E-07	9.60E-04	3.03E-07	4.00E-08	9.89E-04	3.12E-07	4.12E-08	5.28E-07	2.84E-07
4651 496863.09, 3859877.25	1.11E-02	3.51E-06	4.63E-07	5.93E-03	1.87E-06	2.47E-07	7.96E-04	2.51E-07	3.32E-08	8.26E-04	2.61E-07	3.44E-08	4.65E-07	2.48E-07
4652 497363.09, 3859877.25	1.11E-02	3.51E-06	4.64E-07	5.97E-03	1.88E-06	2.49E-07	8.44E-04	2.66E-07	3.52E-08	8.75E-04	2.76E-07	3.64E-08	4.65E-07	2.50E-07
4653 497863.09, 3859877.25	1.08E-02	3.41E-06	4.50E-07	5.85E-03	1.84E-06	2.44E-07	9.15E-04	2.89E-07	3.81E-08	9.40E-04	2.97E-07	3.92E-08	4.51E-07	2.45E-07
4654 498363.09, 3859877.25	1.02E-02	3.23E-06	4.26E-07	5.59E-03	1.76E-06	2.33E-07	9.51E-04	3.00E-07	3.96E-08	9.74E-04	3.08E-07	4.06E-08	4.27E-07	2.34E-07
4655 471363.09, 3860377.25	2.29E-03	7.23E-07	9.54E-08	1.23E-03	3.87E-07	5.10E-08	1.71E-04	5.39E-08	7.11E-09	1.76E-04	5.56E-08	7.34E-09	9.57E-08	5.13E-08
4656 471863.09, 3860377.25	2.38E-03	7.51E-07	9.91E-08	1.27E-03	4.01E-07	5.29E-08	1.74E-04	5.49E-08	7.24E-09	1.80E-04	5.67E-08	7.48E-09	9.93E-08	5.31E-08
4657 472363.09, 3860377.25	2.45E-03	7.75E-07	1.02E-07	1.31E-03	4.13E-07	5.46E-08	1.79E-04	5.64E-08	7.44E-09	1.84E-04	5.82E-08	7.68E-09	1.02E-07	5.48E-08
4658 472863.09, 3860377.25	2.53E-03	7.99E-07	1.05E-07	1.35E-03	4.26E-07	5.62E-08	1.83E-04	5.78E-08	7.64E-09	1.89E-04	5.98E-08	7.89E-09	1.06E-07	5.65E-08
4659 473363.09, 3860377.25	2.62E-03	8.27E-07	1.09E-07	1.40E-03	4.41E-07	5.82E-08	1.88E-04	5.93E-08	7.83E-09	1.94E-04	6.13E-08	8.09E-09	1.09E-07	5.85E-08
4660 473863.09, 3860377.25	2.72E-03	8.59E-07	1.13E-07	1.45E-03	4.57E-07	6.03E-08	1.91E-04	6.03E-08	7.96E-09	1.98E-04	6.23E-08	8.23E-09	1.14E-07	6.06E-08
4661 474363.09, 3860377.25	2.86E-03	9.03E-07	1.19E-07	1.52E-03	4.78E-07	6.31E-08	1.91E-04	6.03E-08	7.96E-09	1.99E-04	6.29E-08	8.30E-09	1.19E-07	6.35E-08
4662 474863.09, 3860377.25	2.99E-03	9.44E-07	1.25E-07	1.58E-03	4.98E-07	6.57E-08	1.88E-04	5.93E-08	7.83E-09	1.98E-04	6.23E-08	8.23E-09	1.25E-07	6.61E-08
4663 475363.09, 3860377.25	3.04E-03	9.61E-07	1.27E-07	1.60E-03	5.04E-07	6.65E-08	1.77E-04	5.59E-08	7.37E-09	1.89E-04	5.98E-08	7.89E-09	1.27E-07	6.70E-08
4664 475863.09, 3860377.25	3.06E-03	9.65E-07	1.27E-07	1.60E-03	5.04E-07	6.65E-08	1.68E-04	5.29E-08	6.98E-09	1.80E-04	5.67E-08	7.48E-09	1.28E-07	6.70E-08
4665 476363.09, 3860377.25	2.94E-03	9.27E-07	1.22E-07	1.53E-03	4.83E-07	6.37E-08	1.54E-04	4.85E-08	6.40E-09	1.66E-04	5.25E-08	6.94E-09	1.23E-07	6.42E-08
4666 476863.09, 3860377.25	2.88E-03	9.08E-07	1.20E-07	1.50E-03	4.73E-07	6.24E-08	1.50E-04	4.75E-08	6.27E-09	1.62E-04	5.10E-08	6.73E-09	1.20E-07	6.29E-08
4667 477363.09, 3860377.25	2.28E-03	7.19E-07	9.50E-08	1.20E-03	3.78E-07	4.98E-08	1.35E-04	4.25E-08	5.61E-09	1.42E-04	4.48E-08	5.92E-09	9.53E-08	5.01E-08
4668 477863.09, 3860377.25	2.61E-03	8.23E-07	1.09E-07	1.36E-03	4.30E-07	5.68E-08	1.44E-04	4.55E-08	6.00E-09	1.53E-04	4.84E-08	6.39E-09	1.09E-07	5.72E-08
4669 478363.09, 3860377.25	3.51E-03	1.11E-06	1.46E-07	1.82E-03	5.74E-07	7.57E-08	1.69E-04	5.34E-08	7.05E-09	1.84E-04	5.82E-08	7.68E-09	1.47E-07	7.63E-08
4670 478863.09, 3860377.25	3.98E-03	1.26E-06	1.66E-07	2.06E-03	6.51E-07	8.60E-08	1.97E-04	6.23E-08	8.22E-09	2.12E-04	6.70E-08	8.84E-09	1.66E-07	8.66E-08
4671 479363.09, 3860377.25	4.35E-03	1.37E-06	1.81E-07	2.26E-03	7.15E-07	9.43E-08	2.30E-04	7.27E-08	9.59E-09	2.42E-04	7.62E-08	1.01E-08	1.82E-07	9.48E-08
4672 479863.09, 3860377.25	4.48E-03	1.41E-06	1.86E-07	2.35E-03	7.40E-07	9.77E-08	2.58E-04	8.16E-08	1.08E-08	2.64E-04	8.35E-08	1.10E-08	1.87E-07	9.80E-08
4673 480363.09, 3860377.25	4.57E-03	1.44E-06	1.90E-07	2.40E-03	7.58E-07	1.00E-07	2.80E-04	8.85E-08	1.17E-08	2.81E-04	8.86E-08	1.17E-08	1.90E-07	1.00E-07
4674 480863.09, 3860377.25	4.68E-03	1.48E-06	1.95E-07	2.47E-03	7.79E-07	1.03E-07	2.99E-04	9.44E-08	1.25E-08	2.95E-04	9.32E-08	1.23E-08	1.95E-07	1.03E-07
4675 481363.09, 3860377.25	4.84E-03	1.53E-06	2.02E-07	2.56E-03	8.07E-07	1.07E-07	3.10E-04	9.79E-08	1.29E-08	3.07E-04	9.69E-08	1.28E-08	2.02E-07	1.06E-07
4676 481863.09, 3860377.25	5.02E-03	1.59E-06	2.09E-07	2.66E-03	8.39E-07	1.11E-07	3.29E-04	1.04E-07	1.37E-08	3.23E-04	1.02E-07	1.35E-08	2.09E-07	1.10E-07
4677 482363.09, 3860377.25	5.27E-03	1.66E-06	2.20E-07	2.79E-03	8.80E-07	1.16E-07	3.45E-04	1.09E-07	1.44E-08	3.36E-04	1.06E-07	1.40E-08	2.19E-07	1.16E-07
4678 482863.09, 3860377.25	5.50E-03	1.74E-06	2.29E-07	2.91E-03	9.18E-07	1.21E-07	3.57E-04	1.13E-07	1.49E-08	3.49E-04	1.10E-07	1.46E-08	2.29E-07	1.21E-07
4679 483363.09, 3860377.25	5.67E-03	1.79E-06	2.36E-07	3.01E-03	9.49E-07	1.25E-07	3.79E-04	1.20E-07	1.58E-08	3.67E-04	1.16E-07	1.53E-08	2.36E-07	1.25E-07
4680 483863.09, 3860377.25	5.95E-03	1.88E-06	2.48E-07	3.15E-03	9.94E-07	1.31E-07	3.96E-04	1.25E-07	1.65E-08	3.84E-04	1.21E-07	1.60E-08	2.47E-07	1.31E-07
4681 484363.09, 3860377.25	6.14E-03	1.94E-06	2.56E-07	3.26E-03	1.03E-06	1.36E-07	4.21E-04	1.33E-07	1.76E-08	4.03E-04	1.27E-07	1.68E-08	2.55E-07	1.35E-07
4682 484863.09, 3860377.25	6.61E-03	2.09E-06	2.75E-07	3.50E-03	1.11E-06	1.46E-07	4.42E-04	1.39E-07	1.84E-08	4.24E-04	1.34E-07	1.77E-08	2.75E-07	1.45E-07
4683 485363.09, 3860377.25	7.32E-03	2.31E-06	3.05E-07	3.86E-03	1.22E-06	1.61E-07	4.67E-04	1.47E-07	1.94E-08	4.49E-04	1.42E-07	1.87E-08	3.04E-07	1.60E-07
4684 485863.09, 3860377.25	8.48E-03	2.68E-06	3.53E-07	4.46E-03	1.41E-06	1.86E-07	5.04E-04	1.59E-07	2.10E-08	4.83E-04	1.52E-07	2.01E-08	3.53E-07	1.85E-07
4685 486363.09, 3860377.25	1.01E-02	3.18E-06	4.20E-07	5.26E-03	1.66E-06	2.19E-07	5.50E-04	1.74E-07	2.29E-08	5.26E-04	1.66E-07	2.19E-08	4.19E-07	2.18E-07
4686 486863.09, 3860377.25	1.29E-02	4.07E-06	5.37E-07	6.66E-03	2.10E-06	2.78E-07	6.00E-04	1.89E-07	2.50E-08	5.75E-04	1.81E-07	2.39E-08	5.36E-07	2.76E-07
4687 487363.09, 3860377.25	2.20E-02	6.94E-06	9.16E-07	1.11E-02	3.51E-06	4.64E-07	6.61E-04	2.09E-07	2.75E-08	6.33E-04	2.00E-07	2.64E-08	9.15E-07	4.63E-07
4688 487863.09, 3860377.25	1.15E-01	3.63E-05	4.79E-06	5.65E-02	1.78E-05	2.35E-06	7.43E-04	2.34E-07	3.09E-08	7.18E-04	2.27E-07	2.99E-08	4.79E-06	2.35E-06
4689 488363.09, 3860377.25	1.45E-01	4.57E-05	6.04E-06	7.11E-02	2.24E-05	2.96E-06	8.35E-04	2.64E-07	3.48E-08	8.21E-04	2.59E-07	3.42E-08	6.03E-06	2.96E-06
4690 488863.09, 3860377.25	1.50E-01	4.74E-05	6.26E-06	7.37E-02	2.33E-05	3.07E-06	9.57E-04	3.02E-07	3.99E-08	9.58E-04	3.02E-07	3.99E-08	6.26E-06	3.07E-06
4691 489363.09, 3860377.25	7.16E-02	2.26E-05	2.98E-06	3.56E-02	1.12E-05	1.48E-06	1.12E-03	3.55E-07	4.69E-08	1.14E-03	3.59E-07	4.74E-08	2.98E-06	1.48E-06
4692 489863.09, 3860377.25	3.77E-02	1.19E-05	1.57E-06	1.92E-02	6.07E-06	8.01E-07	1.35E-03	4.27E-07	5.64E-08	1.38E-03	4.35E-07	5.75E-08	1.57E-06	8.02E-07
4693 490363.09, 3860377.25	2.79E-02	8.82E-06	1.16E-06	1.47E-02	4.65E-06	6.13E-07	1.74E-03	5.48E-07	7.23E-08	1.78E-03	5.61E-07	7.40E-08	1.17E-06	6.15E-07
4694 490863.09, 3860377.25	2.51E-02	7.93E-06	1.05E-06	1.39E-02	4.39E-06	5.80E-07	2.63E-03	8.29E-07	1.09E-07	2.70E-03	8.52E-07	1.12E-07	1.05E-06	5.83E-07
4695 491363.09, 3860377.25	3.47E-02	1.10E-05	1.45E-06	2.20E-02	6.95E-06	9.17E-07	7.93E-03	2.50E-06	3.30E-07	8.07E-03	2.55E-06	3.36E-07	1.45E-06	9.23E-07
4696 491863.09, 3860377.25	4.96E-02	1.57E-05	2.07E-06	3.29E-02	1.04E-05	1.37E-06	1.36E-02	4.29E-06	5.67E-07	1.46E-02	4.61E-06	6.09E-07	2.11E-06	1.41E-06

4697	492363.09, 3860377.25	2.61E-02	8.23E-06	1.09E-06	1.62E-02	5.12E-06	6.76E-07	5.47E-03	1.73E-06	2.28E-07	5.77E-03	1.82E-06	2.40E-07	1.10E-06	6.88E-07
4698	492863.09, 3860377.25	2.18E-02	6.90E-06	9.10E-07	1.30E-02	4.10E-06	5.42E-07	3.68E-03	1.16E-06	1.53E-07	3.83E-03	1.21E-06	1.60E-07	9.17E-07	5.48E-07
4699	493363.09, 3860377.25	1.74E-02	5.50E-06	7.26E-07	1.02E-02	3.22E-06	4.25E-07	2.66E-03	8.39E-07	1.11E-07	2.76E-03	8.70E-07	1.15E-07	7.30E-07	4.29E-07
4700	493863.09, 3860377.25	1.55E-02	4.89E-06	6.45E-07	9.01E-03	2.84E-06	3.75E-07	2.28E-03	7.20E-07	9.50E-08	2.36E-03	7.44E-07	9.82E-08	6.48E-07	3.78E-07
4701	494363.09, 3860377.25	1.42E-02	4.47E-06	5.91E-07	8.13E-03	2.57E-06	3.39E-07	1.91E-03	6.02E-07	7.95E-08	1.96E-03	6.20E-07	8.18E-08	5.93E-07	3.41E-07
4702	494863.09, 3860377.25	1.30E-02	4.10E-06	5.41E-07	7.45E-03	2.35E-06	3.10E-07	1.76E-03	5.55E-07	7.32E-08	1.80E-03	5.69E-07	7.51E-08	5.42E-07	3.12E-07
4703	495363.09, 3860377.25	1.22E-02	3.85E-06	5.08E-07	6.94E-03	2.19E-06	2.89E-07	1.55E-03	4.90E-07	6.47E-08	1.59E-03	5.02E-07	6.62E-08	5.10E-07	2.91E-07
4704	495863.09, 3860377.25	1.16E-02	3.67E-06	4.84E-07	6.51E-03	2.05E-06	2.71E-07	1.32E-03	4.15E-07	5.48E-08	1.35E-03	4.25E-07	5.61E-08	4.86E-07	2.72E-07
4705	496363.09, 3860377.25	1.11E-02	3.49E-06	4.60E-07	6.12E-03	1.93E-06	2.55E-07	1.15E-03	3.62E-07	4.78E-08	1.18E-03	3.71E-07	4.90E-08	4.62E-07	2.56E-07
4706	496863.09, 3860377.25	1.05E-02	3.31E-06	4.37E-07	5.77E-03	1.82E-06	2.40E-07	1.04E-03	3.27E-07	4.32E-08	1.07E-03	3.37E-07	4.45E-08	4.38E-07	2.42E-07
4707	497363.09, 3860377.25	9.79E-03	3.09E-06	4.08E-07	5.36E-03	1.69E-06	2.23E-07	9.24E-04	2.92E-07	3.85E-08	9.57E-04	3.02E-07	3.98E-08	4.09E-07	2.25E-07
4708	497863.09, 3860377.25	9.61E-03	3.03E-06	4.00E-07	5.31E-03	1.68E-06	2.21E-07	9.81E-04	3.10E-07	4.09E-08	1.01E-03	3.19E-07	4.21E-08	4.02E-07	2.23E-07
4709	498363.09, 3860377.25	9.18E-03	2.90E-06	3.82E-07	5.14E-03	1.62E-06	2.14E-07	1.05E-03	3.30E-07	4.36E-08	1.07E-03	3.38E-07	4.47E-08	3.84E-07	2.15E-07
4710	471363.09, 3860877.25	2.23E-03	7.04E-07	9.30E-08	1.19E-03	3.77E-07	4.98E-08	1.68E-04	5.29E-08	6.98E-09	1.73E-04	5.46E-08	7.21E-09	9.32E-08	5.00E-08
4711	471863.09, 3860877.25	2.29E-03	7.23E-07	9.55E-08	1.23E-03	3.87E-07	5.11E-08	1.71E-04	5.39E-08	7.11E-09	1.76E-04	5.56E-08	7.34E-09	9.57E-08	5.13E-08
4712	472363.09, 3860877.25	2.37E-03	7.47E-07	9.87E-08	1.27E-03	4.00E-07	5.27E-08	1.75E-04	5.54E-08	7.31E-09	1.80E-04	5.67E-08	7.48E-09	9.88E-08	5.29E-08
4713	472863.09, 3860877.25	2.46E-03	7.75E-07	1.02E-07	1.31E-03	4.14E-07	5.46E-08	1.79E-04	5.64E-08	7.44E-09	1.84E-04	5.82E-08	7.68E-09	1.03E-07	5.48E-08
4714	473363.09, 3860877.25	2.55E-03	8.03E-07	1.06E-07	1.36E-03	4.28E-07	5.65E-08	1.83E-04	5.78E-08	7.64E-09	1.88E-04	5.92E-08	7.82E-09	1.06E-07	5.67E-08
4715	473863.09, 3860877.25	2.65E-03	8.35E-07	1.10E-07	1.41E-03	4.44E-07	5.87E-08	1.86E-04	5.88E-08	7.77E-09	1.91E-04	6.03E-08	7.96E-09	1.10E-07	5.89E-08
4716	474363.09, 3860877.25	2.76E-03	8.71E-07	1.15E-07	1.47E-03	4.63E-07	6.11E-08	1.90E-04	5.98E-08	7.90E-09	1.94E-04	6.13E-08	8.09E-09	1.15E-07	6.13E-08
4717	474863.09, 3860877.25	2.87E-03	9.07E-07	1.20E-07	1.52E-03	4.81E-07	6.34E-08	1.93E-04	6.08E-08	8.03E-09	1.98E-04	6.23E-08	8.23E-09	1.20E-07	6.36E-08
4718	475363.09, 3860877.25	3.01E-03	9.49E-07	1.25E-07	1.59E-03	5.01E-07	6.61E-08	1.91E-04	6.03E-08	7.96E-09	1.98E-04	6.23E-08	8.23E-09	1.26E-07	6.64E-08
4719	475863.09, 3860877.25	3.12E-03	9.85E-07	1.30E-07	1.64E-03	5.18E-07	6.83E-08	1.86E-04	5.88E-08	7.77E-09	1.96E-04	6.18E-08	8.16E-09	1.30E-07	6.87E-08
4720	476363.09, 3860877.25	3.16E-03	9.98E-07	1.32E-07	1.65E-03	5.22E-07	6.89E-08	1.77E-04	5.59E-08	7.37E-09	1.89E-04	5.98E-08	7.89E-09	1.32E-07	6.94E-08
4721	476863.09, 3860877.25	3.23E-03	1.02E-06	1.34E-07	1.68E-03	5.31E-07	7.01E-08	1.74E-04	5.49E-08	7.24E-09	1.86E-04	5.87E-08	7.75E-09	1.35E-07	7.06E-08
4722	477363.09, 3860877.25	3.34E-03	1.05E-06	1.39E-07	1.74E-03	5.49E-07	7.25E-08	1.75E-04	5.54E-08	7.31E-09	1.89E-04	5.98E-08	7.89E-09	1.40E-07	7.30E-08
4723	477863.09, 3860877.25	3.33E-03	1.05E-06	1.39E-07	1.73E-03	5.46E-07	7.20E-08	1.68E-04	5.29E-08	6.98E-09	1.81E-04	5.72E-08	7.55E-09	1.39E-07	7.26E-08
4724	478363.09, 3860877.25	2.79E-03	8.81E-07	1.16E-07	1.45E-03	4.59E-07	6.06E-08	1.47E-04	4.65E-08	6.13E-09	1.57E-04	4.95E-08	6.53E-09	1.17E-07	6.10E-08
4725	478863.09, 3860877.25	3.72E-03	1.17E-06	1.55E-07	1.93E-03	6.09E-07	8.04E-08	1.86E-04	5.88E-08	7.77E-09	2.01E-04	6.34E-08	8.36E-09	1.56E-07	8.10E-08
4726	479363.09, 3860877.25	4.04E-03	1.27E-06	1.68E-07	2.11E-03	6.65E-07	8.78E-08	2.21E-04	6.97E-08	9.20E-09	2.30E-04	7.26E-08	9.59E-09	1.69E-07	8.82E-08
4727	479863.09, 3860877.25	4.10E-03	1.29E-06	1.71E-07	2.15E-03	6.80E-07	8.98E-08	2.46E-04	7.76E-08	1.02E-08	2.51E-04	7.93E-08	1.05E-08	1.71E-07	9.00E-08
4728	480363.09, 3860877.25	4.14E-03	1.31E-06	1.73E-07	2.19E-03	6.91E-07	9.12E-08	2.66E-04	8.41E-08	1.11E-08	2.68E-04	8.45E-08	1.12E-08	1.73E-07	9.13E-08
4729	480863.09, 3860877.25	4.23E-03	1.34E-06	1.76E-07	2.24E-03	7.07E-07	9.33E-08	2.79E-04	8.80E-08	1.16E-08	2.77E-04	8.76E-08	1.16E-08	1.76E-07	9.33E-08
4730	481363.09, 3860877.25	4.35E-03	1.37E-06	1.81E-07	2.30E-03	7.27E-07	9.60E-08	2.91E-04	9.20E-08	1.21E-08	2.91E-04	9.17E-08	1.21E-08	1.81E-07	9.60E-08
4731	481863.09, 3860877.25	4.52E-03	1.43E-06	1.88E-07	2.40E-03	7.57E-07	9.99E-08	3.05E-04	9.64E-08	1.27E-08	3.02E-04	9.53E-08	1.26E-08	1.88E-07	9.98E-08
4732	482363.09, 3860877.25	4.68E-03	1.48E-06	1.95E-07	2.49E-03	7.85E-07	1.04E-07	3.20E-04	1.01E-07	1.33E-08	3.13E-04	9.89E-08	1.31E-08	1.95E-07	1.03E-07
4733	482863.09, 3860877.25	4.85E-03	1.53E-06	2.02E-07	2.58E-03	8.13E-07	1.07E-07	3.31E-04	1.04E-07	1.38E-08	3.25E-04	1.03E-07	1.35E-08	2.02E-07	1.07E-07
4734	483363.09, 3860877.25	5.04E-03	1.59E-06	2.10E-07	2.68E-03	8.45E-07	1.12E-07	3.46E-04	1.09E-07	1.44E-08	3.40E-04	1.07E-07	1.41E-08	2.10E-07	1.11E-07
4735	483863.09, 3860877.25	5.22E-03	1.65E-06	2.18E-07	2.78E-03	8.77E-07	1.16E-07	3.63E-04	1.15E-07	1.51E-08	3.56E-04	1.12E-07	1.48E-08	2.17E-07	1.15E-07
4736	484363.09, 3860877.25	5.37E-03	1.69E-06	2.24E-07	2.86E-03	9.03E-07	1.19E-07	3.84E-04	1.21E-07	1.60E-08	3.74E-04	1.18E-07	1.56E-08	2.23E-07	1.19E-07
4737	484863.09, 3860877.25	5.58E-03	1.76E-06	2.32E-07	2.97E-03	9.39E-07	1.24E-07	3.99E-04	1.26E-07	1.66E-08	3.90E-04	1.23E-07	1.63E-08	2.32E-07	1.24E-07
4738	485363.09, 3860877.25	6.00E-03	1.89E-06	2.50E-07	3.19E-03	1.01E-06	1.33E-07	4.18E-04	1.32E-07	1.74E-08	4.11E-04	1.30E-07	1.71E-08	2.50E-07	1.33E-07
4739	485863.09, 3860877.25	6.65E-03	2.10E-06	2.77E-07	3.53E-03	1.11E-06	1.47E-07	4.46E-04	1.41E-07	1.86E-08	4.39E-04	1.39E-07	1.83E-08	2.77E-07	1.47E-07
4740	486363.09, 3860877.25	7.49E-03	2.36E-06	3.12E-07	3.95E-03	1.25E-06	1.65E-07	4.78E-04	1.51E-07	1.99E-08	4.68E-04	1.48E-07	1.95E-08	3.12E-07	1.64E-07
4741	486863.09, 3860877.25	8.68E-03	2.74E-06	3.62E-07	4.56E-03	1.44E-06	1.90E-07	5.15E-04	1.63E-07	2.15E-08	5.04E-04	1.59E-07	2.10E-08	3.61E-07	1.89E-07
4742	487363.09, 3860877.25	1.05E-02	3.31E-06	4.37E-07	5.46E-03	1.72E-06	2.28E-07	5.55E-04	1.75E-07	2.31E-08	5.42E-04	1.71E-07	2.26E-08	4.36E-07	2.27E-07
4743	487863.09, 3860877.25	1.28E-02	4.04E-06	5.33E-07	6.61E-03	2.09E-06	2.76E-07	6.03E-04	1.90E-07	2.51E-08	5.89E-04	1.86E-07	2.45E-08	5.32E-07	2.75E-07
4744	488363.09, 3860877.25	1.63E-02	5.14E-06	6.79E-07	8.36E-03	2.64E-06	3.48E-07	6.64E-04	2.10E-07	2.77E-08	6.55E-04	2.07E-07	2.73E-08	6.78E-07	3.48E-07
4745	488863.09, 3860877.25	1.73E-02	5.46E-06	7.20E-07	8.88E-03	2.80E-06	3.70E-07	7.24E-04	2.28E-07	3.02E-08	7.25E-04	2.29E-07	3.02E-08	7.20E-07	3.70E-07
4746	489363.09, 3860877.25	1.80E-02	5.69E-06	7.51E-07	9.29E-03	2.93E-06	3.87E-07	8.08E-04	2.55E-07	3.37E-08	8.23E-04	2.60E-07	3.43E-08	7.51E-07	3.88E-07
4747	489863.09, 3860877.25	1.62E-02	5.12E-06	6.76E-07	8.49E-03	2.68E-06	3.54E-07	9.29E-04	2.93E-07	3.87E-08	9.52E-04	3.00E-07	3.96E-08	6.77E-07	3.55E-07
4748	490363.09, 3860877.25	1.48E-02	4.66E-06	6.15E-07	7.91E-03	2.50E-06	3.30E-07	1.12E-03	3.54E-07	4.67E-08	1.14E-03	3.61E-07	4.77E-08	6.16E-07	3.31E-07
4749	490863.09, 3860877.25	1.40E-02	4.41E-06	5.82E-07	7.72E-03	2.44E-06	3.22E-07	1.44E-03	4.53E-07	5.98E-08	1.48E-03	4.66E-07	6.15E-08	5.83E-07	3.23E-07
4750	491363.09, 3860877.25	1.37E-02	4.32E-06	5.70E-07	8.00E-03	2.52E-06	3.33E-07	2.07E-03	6.53E-07	8.61E-08	2.13E-03	6.72E-07	8.87E-08	5.73E-07	3.36E-07
4751	491863.09, 3860877.25	1.62E-02	5.11E-06	6.75E-07	1.08E-02	3.41E-06	4.50E-07	4.50E-03	1.42E-06	1.88E-07	4.63E-03	1.46E-06	1.93E-07	6.80E-07	4.55E-07
4752	492363.09, 3860877.25	4.02E-02	1.27E-05	1.67E-06	3.51E-02	1.11E-05	1.46E-06	2.41E-02	7.61E-06	1.00E-06	2.53E-02	8.00E-06	1.06E-06	1.72E-06	1.51E-06
4753	492863.09, 3860877.25	1.83E-02	5.77E-06	7.61E-07	1.35E-02	4.25E-06	5.61E-07	7.09E-03	2.24E-06	2.96E-07	7.42E-03	2.34E-06	3.09E-07	7.75E-07	5.75E-07
4754	493363.09, 3860877.25	1.47E-02	4.65E-06	6.13E-07	1.01E-02	3.17E-06	4.19E-07	4.47E-03	1.41E-06	1.86E-07	4.67E-03	1.48E-06	1.95E-07	6.22E-07	4.27E-07
4755	493863.09, 3860877.25	1.31E-02	4.13E-06	5.45E-07	8.63E-03	2.72E-06	3.59E-07	3.50E-03	1.10E-06	1.46E-07	3.64E-03	1.15E-06	1.52E-07	5.51E-07	3.66E-07
4756	494363.09, 3860877.25	1.20E-02	3.79E-06	5.00E-07	7.75E-03	2.45E-06	3.23E-07	2.95E-03	9.30E-07	1.23E-07	3.06E-03	9.65E-07	1.27E-07	5.05E-07	3.27E-07
4757	494863.09, 3860877.25	1.12E-02	3.53E-06	4.66E-07	7.08E-03	2.23E-06	2.95E-07	2.52E-03	7.97E-07	1.05E-07	2.61E-03	8.25E-07	1.09E-07	4.70E-07	2.99E-07
4758	495363.09, 3860877.25	1.06E-02	3.33E-06	4.40E-07	6.56E-03	2.07E-06	2.73E-07	2.21E-03	6.96E-07	9.19E-08	2.28E-03	7.20E-07	9.51E-08	4.43E-07	2.77E-07
4759	495863.09, 3860877.25	1.00E-02	3.17E-06	4.18E-07	6.17E-03	1.95E-06	2.57E-07	2.00E-03	6.31E-07	8.33E-08	2.06E-03	6.52E-07	8.60E-08	4.21E-07	2.60E-07
4760	496363.09, 3860877.25	9.60E-03	3.03E-06	4.00E-07	5.78E-03	1.82E-06	2.41E-07	1.71E-03	5.40E-07	7.13E-08	1.76E-03	5.56E-07	7.34E-08	4.02E-07	2.43E-07
4761	496863.09, 3860877.25	9.23E-03	2.91E-06	3.85E-07	5.39E-03	1.70E-06	2.25E-07	1.39E-03	4.40E-07	5.81E-08	1.44E-03	4.53E-07	5.98E-08	3.86E-07	2.26E-07
4762	497363.09, 3860877.25	8.89E-03	2.81E-06	3.70E-07	5.17E-03	1.63E-06	2.15E-07	1.31E-03	4.13E-07	5.45E-08	1.35E-03	4.25E-07	5.61E-08	3.72E-07	2.17E-07
4763	497863.09, 3860877.25	8.55E-03	2.70E-06	3.56E-07	4.94E-03	1.56E-06	2.06E-07	1.20E-03	3.78E-07	4.99E-08	1.23E-03	3.89E-07	5.14E-08	3.58E-07	2.07E-07
4764	498363.09, 3860877.25	8.24E-03	2.60E-06	3.43E-07	4.79E-03	1.51E-06	2.00E-07	1.21E-03	3.82E-07	5.04E-08	1.25E-03	3.94E-07	5.20E-08	3.45E-07	2.01E-07
4765	471363.09, 3861377.25	2.17E-03	6.86E-07	9.05E-08	1.16E-03	3.67E-07	4.85E-08	1.64E-04	5.19E-08	6.85E-09	1.70E-04	5.36E-08	7.07E-09	9.08E-08	4.87E-08
4766	471863.09, 3861377.25	2.25E-03	7.09E-07	9.36E-08	1.20E-03	3.79E-07	5.01E-08	1.68E-04	5.29E-08	6.98E-09	1.73E-04	5.46E-08	7.21E-09	9.38E-08	5.03E-08
4767	472363.09, 3861377.25	2.32E-03	7.32E-07	9.67E-08	1.24E-03	3.91E-07	5.16E-08	1.71E-04	5.39E-08	7.11E-09	1.76E-04	5.56E-08	7.34E-09	9.69E-08	5.19E-08
4768	472863.09, 3861377.25	2.40E-03	7.56E-07	9.98E-08	1.28E-03	4.04E-07	5.33E-08	1.75E-04	5.54E-08	7.31E-09	1.80E-04	5.67E-08	7.48E-09	1.00E-07	5.35E-08
4769	473363.09, 3861377.25	2.48E-03	7.83E-07	1.03E-07	1.32E-03	4.18E-07	5.51E-08	1.79E-04	5.64E-08	7.44E-09	1.83E-04	5.77E-08	7.62E-09	1.04E-07	5.53E-08
4770	473863.09, 3861377.25	2.58E-03	8.14E-07	1.07E-07	1.37E-03	4.33E-07	5.72E-08	1.82E-04	5.74E-08	7.57E-09	1.86E-04	5.87E-08	7.75E-09	1.08E-07	5.74E-08
4771	474363.09, 3861377.25	2.65E-03	8.38E-07	1.11E-07	1.41E-03	4.45E-07	5.88E-08	1.85E-04	5.83E-08	7.70E-09	1.89E-04	5.98E-08	7.89E-09	1.11E-07	5.90E-08
4772	474863.09, 3861377.25	2.75E-03	8.69E-07	1.15E-07	1.46E-03	4.61E-07	6.09E-08	1.88E-04	5.93E-08	7.83E-09	1.93E-04	6.08E-08	8.02E-09	1.15E-07	6.11E-08
4773	475363.09, 3861377.25	2.84E-03	8.97E-07	1.18E-07	1.51E-03	4.76E-07	6.28E-08	1.93E-04	6.08E-08	8.03E-09	1.96E-04	6.18E-08	8.16E-09	1.19E-07	6.29E-08
4774	475863.09, 3861377.25	2.95E-03	9.32E-07	1.23E-07	1.56E-03	4.93E-07	6.51E-08	1.94E-04	6.13E-08	8.09E-09	1.99E-04	6.29E-08	8.30E-09	1.23E-07	6.53E-08
4775	476363.09, 3861377.25	3.08E-03	9.71E-07	1.28E-07	1.62E-03	5.12E-07	6.76E-08	1.93E-04	6.08E-08	8.03E-09	1.99E-04	6.29E-08	8.30E-09	1.28E-07	6.78E-08
4776	476863.09, 3861377.25	3.19E-03	1.01E-06	1.33E-07	1.67E-03	5.29E-07	6.98E-08	1.91E-04	6.03E-08	7.96E-09	1.99E-04	6.29E-08	8.30E-09	1.33E-07	7.01E-08
4777	477363.09, 3861377.25	3.29E-03	1.04E-06	1.37E-07	1.72E-03	5.44E-07	7.18E-08	1.91E-04	6.03E-08	7.96E-09	2.01E-04	6.34E-08	8.36E-09	1.37E-07	7.22E-08
4778	477863.09, 3861377.25	3.28E-03	1.04E-06	1.37E-07	1.71E-03	5.40E-07	7.13E-08	1.77E-04	5.59E-08	7.37E-09	1.89E-04	5.98E-08	7.89E-09	1.37E-07	7.18E-08
4779	478363.09, 3861377.25	2.91E-03	9.17E-07	1.21E-07	1.51E-03	4.77E-07	6.29E-08	1.49E-04	4.70E-08	6.20E-09	1.60E-04	5.05E-08	6.66E-09	1.21E-07	6.34E-08
4780	478863.09, 3861377.25	3.20E-03	1.01E-06	1.33E-07	1.66E-03	5.24E-07	6.91E-08	1.60E-04	5.04E-08	6.66E-09	1.73E-04	5.46E-08	7.21E-09	1.34E-07	6.97E-08
4781	479363.09, 3861377.25	3.71E-03	1.17E-06	1.54E-07	1.94E-03	6.11E-07	8.07E-08	2.05E-04	6.48E-08	8.55E-09	2.17E-04	6.85E-08	9.04E-09	1.55E-07	8.11E-08
4782	479863.09, 3861377.25	3.75E-03	1.18E-06	1.56E-07	1.97E-03	6.23E-07	8.22E-08	2.32E-04	7.32E-08	9.66E-09	2.38E-04	7.52E-08	9.93E-09	1.56E-07	8.25E-08
4783	480363.09, 3861377.25	3.77E-03	1.19E-06	1.57E-07	2.00E-03	6.30E-07	8.31E-08	2.52E-04	7.96E-08	1.05E-08	2.55E-04	8.04E-08	1.06E-08	1.57E-07	8.32E-08
4784	480863.09, 3861377.25	3.84E-03	1.21E-06	1.60E-07	2.04E-03	6.44E-07	8.50E-08	2.65E-04	8.36E-08	1.10E-08	2.64E-04	8.35E-08	1.10E-08	1.60E-07	8.50E-08
4785	481363.09, 3861377.25	3.91E-03	1.24E-06	1.63E-07	2.08E-03	6.57E-07	8.68E-08	2.76E-04	8.70E-08	1.15E-08	2.74E-04	8.65E-08	1.14E-08	1.63E-07	8.67E-08
4786	481863.09, 3861377.25	4.04E-03	1.28E-06	1.68E-07	2.15E-03	6.80E-07	8.98E-08	2.88E-04	9.10E-08	1.20E-08	2.84E-04	8.96E-08	1.18E-08	1.68E-07	8.96E-08
4787	482363.09, 3861377.25	4.18E-03	1.32E-06	1.74E-07	2.23E-03	7.04E-07	9.29E-08	2.99E-04	9.44E-08	1.25E-08	2.94E-04	9.27E-08	1.22E-08	1.74E-07	9.27E-08
4788	482863.09, 3861377.25	4.29E-03	1.35E-06	1.79E-07	2.29E-03	7.22E-07	9.53E-08	3.07E-04	9.69E-08	1.28E-08	3.04E-04	9.58E-08	1.26E-08	1.79E-07	9.51E-08
4789	483363.09, 3861377.25	4.41E-03	1.39E-06	1.84E-07	2.35E-03	7.43E-07	9.81E-08	3.20E-04	1.01E-07	1.33E-08	3.15E-04	9.94E-08	1.31E-08	1.84E-07	9.79E-08
4790	483863.09, 3861377.25	4.51E-03	1.42E-06	1.88E-07	2.41E-03	7.60E-07	1.00E-07	3.32E-04	1.05E-07	1.38E-08	3.28E-04	1.04E-07	1.37E-08	1.88E-07	1.00E-07

4791	484363.09, 3861377.25	4.65E-03	1.47E-06	1.94E-07	2.49E-03	7.85E-07	1.04E-07	3.46E-04	1.09E-07	1.44E-08	3.43E-04	1.08E-07	1.43E-08	1.94E-07	1.03E-07
4792	484863.09, 3861377.25	4.69E-03	1.48E-06	1.95E-07	2.51E-03	7.94E-07	1.05E-07	3.60E-04	1.14E-07	1.50E-08	3.57E-04	1.13E-07	1.49E-08	1.95E-07	1.05E-07
4793	485363.09, 3861377.25	4.78E-03	1.51E-06	1.99E-07	2.57E-03	8.10E-07	1.07E-07	3.73E-04	1.18E-07	1.55E-08	3.71E-04	1.17E-07	1.54E-08	1.99E-07	1.07E-07
4794	485863.09, 3861377.25	5.00E-03	1.58E-06	2.08E-07	2.69E-03	8.48E-07	1.12E-07	3.90E-04	1.23E-07	1.63E-08	3.90E-04	1.23E-07	1.63E-08	2.08E-07	1.12E-07
4795	486363.09, 3861377.25	5.34E-03	1.68E-06	2.22E-07	2.87E-03	9.04E-07	1.19E-07	4.15E-04	1.31E-07	1.73E-08	4.13E-04	1.30E-07	1.72E-08	2.22E-07	1.19E-07
4796	486863.09, 3861377.25	5.76E-03	1.82E-06	2.40E-07	3.09E-03	9.75E-07	1.29E-07	4.45E-04	1.40E-07	1.85E-08	4.41E-04	1.39E-07	1.84E-08	2.40E-07	1.29E-07
4797	487363.09, 3861377.25	6.00E-03	1.89E-06	2.50E-07	3.23E-03	1.02E-06	1.35E-07	4.76E-04	1.50E-07	1.98E-08	4.70E-04	1.48E-07	1.96E-08	2.50E-07	1.34E-07
4798	487863.09, 3861377.25	5.91E-03	1.87E-06	2.46E-07	3.21E-03	1.01E-06	1.34E-07	5.11E-04	1.61E-07	2.13E-08	5.04E-04	1.59E-07	2.10E-08	2.46E-07	1.33E-07
4799	488363.09, 3861377.25	6.30E-03	1.99E-06	2.63E-07	3.42E-03	1.08E-06	1.43E-07	5.51E-04	1.74E-07	2.30E-08	5.44E-04	1.72E-07	2.26E-08	2.62E-07	1.42E-07
4800	488863.09, 3861377.25	6.97E-03	2.20E-06	2.90E-07	3.78E-03	1.19E-06	1.57E-07	5.97E-04	1.88E-07	2.49E-08	5.96E-04	1.88E-07	2.48E-08	2.90E-07	1.57E-07
4801	489363.09, 3861377.25	8.10E-03	2.56E-06	3.37E-07	4.36E-03	1.38E-06	1.82E-07	6.45E-04	2.04E-07	2.69E-08	6.55E-04	2.07E-07	2.73E-08	3.38E-07	1.82E-07
4802	489863.09, 3861377.25	7.98E-03	2.52E-06	3.33E-07	4.35E-03	1.37E-06	1.81E-07	7.13E-04	2.25E-07	2.97E-08	7.35E-04	2.32E-07	3.06E-08	3.33E-07	1.82E-07
4803	490363.09, 3861377.25	7.90E-03	2.49E-06	3.29E-07	4.37E-03	1.38E-06	1.82E-07	8.15E-04	2.57E-07	3.39E-08	8.39E-04	2.65E-07	3.50E-08	3.30E-07	1.83E-07
4804	490863.09, 3861377.25	7.95E-03	2.51E-06	3.31E-07	4.49E-03	1.42E-06	1.87E-07	9.63E-04	3.04E-07	4.01E-08	9.86E-04	3.11E-07	4.11E-08	3.32E-07	1.88E-07
4805	491363.09, 3861377.25	8.14E-03	2.57E-06	3.39E-07	4.74E-03	1.49E-06	1.97E-07	1.20E-03	3.78E-07	4.99E-08	1.23E-03	3.89E-07	5.14E-08	3.41E-07	1.99E-07
4806	491863.09, 3861377.25	8.70E-03	2.75E-06	3.62E-07	5.30E-03	1.67E-06	2.21E-07	1.65E-03	5.21E-07	6.88E-08	1.71E-03	5.41E-07	7.14E-08	3.65E-07	2.23E-07
4807	492363.09, 3861377.25	1.02E-02	3.23E-06	4.26E-07	6.85E-03	2.16E-06	2.86E-07	2.90E-03	9.17E-07	1.21E-07	3.01E-03	9.49E-07	1.25E-07	4.31E-07	2.90E-07
4808	492863.09, 3861377.25	1.91E-02	6.03E-06	7.96E-07	1.58E-02	4.99E-06	6.59E-07	1.01E-02	3.19E-06	4.20E-07	1.04E-02	3.29E-06	4.35E-07	8.10E-07	6.73E-07
4809	493363.09, 3861377.25	6.32E-02	1.99E-05	2.63E-06	6.00E-02	1.89E-05	2.50E-06	4.53E-02	1.43E-05	1.89E-06	4.46E-02	1.41E-05	1.86E-06	2.60E-06	2.47E-06
4810	493863.09, 3861377.25	2.30E-02	7.27E-06	9.60E-07	1.99E-02	6.29E-06	8.30E-07	1.35E-02	4.26E-06	5.62E-07	1.39E-02	4.37E-06	5.77E-07	9.75E-07	8.45E-07
4811	494363.09, 3861377.25	1.58E-02	4.97E-06	6.57E-07	1.27E-02	4.01E-06	5.29E-07	7.80E-03	2.46E-06	3.25E-07	8.09E-03	2.55E-06	3.37E-07	6.69E-07	5.42E-07
4812	494863.09, 3861377.25	1.27E-02	4.02E-06	5.31E-07	9.74E-03	3.07E-06	4.06E-07	5.48E-03	1.73E-06	2.28E-07	5.70E-03	1.80E-06	2.37E-07	5.40E-07	4.15E-07
4813	495363.09, 3861377.25	1.11E-02	3.51E-06	4.63E-07	8.18E-03	2.58E-06	3.41E-07	4.28E-03	1.35E-06	1.78E-07	4.46E-03	1.41E-06	1.86E-07	4.71E-07	3.48E-07
4814	495863.09, 3861377.25	1.01E-02	3.19E-06	4.21E-07	7.23E-03	2.28E-06	3.01E-07	3.57E-03	1.13E-06	1.49E-07	3.72E-03	1.17E-06	1.55E-07	4.27E-07	3.07E-07
4815	496363.09, 3861377.25	9.31E-03	2.94E-06	3.88E-07	6.44E-03	2.03E-06	2.68E-07	2.96E-03	9.34E-07	1.23E-07	3.08E-03	9.72E-07	1.28E-07	3.93E-07	2.73E-07
4816	496863.09, 3861377.25	8.59E-03	2.71E-06	3.58E-07	5.68E-03	1.79E-06	2.36E-07	2.32E-03	7.31E-07	9.65E-08	2.41E-03	7.60E-07	1.00E-07	3.62E-07	2.40E-07
4817	497363.09, 3861377.25	8.19E-03	2.59E-06	3.41E-07	5.30E-03	1.67E-06	2.21E-07	2.03E-03	6.41E-07	8.46E-08	2.11E-03	6.65E-07	8.78E-08	3.44E-07	2.24E-07
4818	497863.09, 3861377.25	7.86E-03	2.48E-06	3.27E-07	4.99E-03	1.57E-06	2.08E-07	1.81E-03	5.70E-07	7.52E-08	1.87E-03	5.91E-07	7.80E-08	3.30E-07	2.11E-07
4819	498363.09, 3861377.25	7.56E-03	2.39E-06	3.15E-07	4.72E-03	1.49E-06	1.97E-07	1.62E-03	5.10E-07	6.74E-08	1.67E-03	5.29E-07	6.98E-08	3.17E-07	1.99E-07
4820	471363.09, 3861877.25	2.11E-03	6.66E-07	8.79E-08	1.13E-03	3.57E-07	4.71E-08	1.60E-04	5.04E-08	6.66E-09	1.65E-04	5.20E-08	6.87E-09	8.82E-08	4.73E-08
4821	471863.09, 3861877.25	2.18E-03	6.89E-07	9.10E-08	1.17E-03	3.69E-07	4.87E-08	1.63E-04	5.14E-08	6.79E-09	1.66E-04	5.25E-08	6.94E-09	9.11E-08	4.88E-08
4822	472363.09, 3861877.25	2.24E-03	7.08E-07	9.34E-08	1.20E-03	3.78E-07	4.99E-08	1.66E-04	5.24E-08	6.92E-09	1.70E-04	5.36E-08	7.07E-09	9.36E-08	5.01E-08
4823	472863.09, 3861877.25	2.32E-03	7.31E-07	9.65E-08	1.24E-03	3.91E-07	5.16E-08	1.71E-04	5.39E-08	7.11E-09	1.73E-04	5.46E-08	7.21E-09	9.66E-08	5.17E-08
4824	473363.09, 3861877.25	2.39E-03	7.54E-07	9.95E-08	1.27E-03	4.02E-07	5.31E-08	1.74E-04	5.49E-08	7.24E-09	1.76E-04	5.56E-08	7.34E-09	9.96E-08	5.32E-08
4825	473863.09, 3861877.25	2.46E-03	7.77E-07	1.03E-07	1.31E-03	4.14E-07	5.47E-08	1.77E-04	5.59E-08	7.37E-09	1.80E-04	5.67E-08	7.48E-09	1.03E-07	5.48E-08
4826	474363.09, 3861877.25	2.54E-03	8.00E-07	1.06E-07	1.35E-03	4.26E-07	5.63E-08	1.80E-04	5.69E-08	7.51E-09	1.83E-04	5.77E-08	7.62E-09	1.06E-07	5.64E-08
4827	474863.09, 3861877.25	2.62E-03	8.28E-07	1.09E-07	1.40E-03	4.40E-07	5.81E-08	1.83E-04	5.78E-08	7.64E-09	1.86E-04	5.87E-08	7.75E-09	1.09E-07	5.82E-08
4828	475363.09, 3861877.25	2.70E-03	8.52E-07	1.12E-07	1.43E-03	4.52E-07	5.97E-08	1.86E-04	5.88E-08	7.77E-09	1.89E-04	5.98E-08	7.89E-09	1.13E-07	5.98E-08
4829	475863.09, 3861877.25	2.76E-03	8.72E-07	1.15E-07	1.47E-03	4.63E-07	6.11E-08	1.91E-04	6.03E-08	7.96E-09	1.94E-04	6.13E-08	8.09E-09	1.15E-07	6.13E-08
4830	476363.09, 3861877.25	2.84E-03	8.95E-07	1.18E-07	1.51E-03	4.75E-07	6.28E-08	1.94E-04	6.13E-08	8.09E-09	1.98E-04	6.23E-08	8.23E-09	1.18E-07	6.29E-08
4831	476863.09, 3861877.25	2.94E-03	9.27E-07	1.22E-07	1.56E-03	4.91E-07	6.48E-08	1.96E-04	6.18E-08	8.16E-09	2.01E-04	6.34E-08	8.36E-09	1.23E-07	6.50E-08
4832	477363.09, 3861877.25	3.03E-03	9.58E-07	1.26E-07	1.60E-03	5.06E-07	6.68E-08	1.96E-04	6.18E-08	8.16E-09	2.01E-04	6.34E-08	8.36E-09	1.27E-07	6.70E-08
4833	477863.09, 3861877.25	3.05E-03	9.64E-07	1.27E-07	1.60E-03	5.05E-07	6.66E-08	1.74E-04	5.49E-08	7.24E-09	1.84E-04	5.82E-08	7.68E-09	1.28E-07	6.71E-08
4834	478363.09, 3861877.25	2.52E-03	7.95E-07	1.05E-07	1.31E-03	4.15E-07	5.48E-08	1.38E-04	4.35E-08	5.74E-09	1.47E-04	4.64E-08	6.12E-09	1.05E-07	5.51E-08
4835	478863.09, 3861877.25	3.07E-03	9.70E-07	1.28E-07	1.60E-03	5.05E-07	6.67E-08	1.61E-04	5.09E-08	6.72E-09	1.75E-04	5.51E-08	7.28E-09	1.29E-07	6.72E-08
4836	479363.09, 3861877.25	3.06E-03	9.64E-07	1.27E-07	1.59E-03	5.01E-07	6.62E-08	1.57E-04	4.94E-08	6.53E-09	1.71E-04	5.41E-08	7.14E-09	1.28E-07	6.68E-08
4837	479863.09, 3861877.25	3.44E-03	1.09E-06	1.43E-07	1.82E-03	5.74E-07	7.58E-08	2.21E-04	6.97E-08	9.20E-09	2.27E-04	7.16E-08	9.45E-09	1.44E-07	7.60E-08
4838	480363.09, 3861877.25	3.42E-03	1.08E-06	1.43E-07	1.82E-03	5.75E-07	7.59E-08	2.41E-04	7.61E-08	1.01E-08	2.43E-04	7.68E-08	1.01E-08	1.43E-07	7.59E-08
4839	480863.09, 3861877.25	3.48E-03	1.10E-06	1.45E-07	1.85E-03	5.85E-07	7.73E-08	2.51E-04	7.91E-08	1.04E-08	2.51E-04	7.93E-08	1.05E-08	1.45E-07	7.73E-08
4840	481363.09, 3861877.25	3.51E-03	1.11E-06	1.46E-07	1.87E-03	5.92E-07	7.81E-08	2.60E-04	8.21E-08	1.08E-08	2.60E-04	8.19E-08	1.08E-08	1.46E-07	7.81E-08
4841	481863.09, 3861877.25	3.59E-03	1.13E-06	1.50E-07	1.92E-03	6.07E-07	8.01E-08	2.71E-04	8.55E-08	1.13E-08	2.69E-04	8.50E-08	1.12E-08	1.50E-07	8.00E-08
4842	482363.09, 3861877.25	3.68E-03	1.16E-06	1.54E-07	1.97E-03	6.23E-07	8.23E-08	2.80E-04	8.85E-08	1.17E-08	2.77E-04	8.76E-08	1.16E-08	1.53E-07	8.21E-08
4843	482863.09, 3861877.25	3.76E-03	1.19E-06	1.57E-07	2.01E-03	6.36E-07	8.39E-08	2.87E-04	9.05E-08	1.19E-08	2.86E-04	9.02E-08	1.19E-08	1.57E-07	8.39E-08
4844	483363.09, 3861877.25	3.81E-03	1.20E-06	1.59E-07	2.05E-03	6.46E-07	8.52E-08	2.98E-04	9.39E-08	1.24E-08	2.95E-04	9.32E-08	1.23E-08	1.59E-07	8.51E-08
4845	483863.09, 3861877.25	3.82E-03	1.21E-06	1.59E-07	2.06E-03	6.49E-07	8.57E-08	3.07E-04	9.69E-08	1.28E-08	3.05E-04	9.63E-08	1.27E-08	1.59E-07	8.56E-08
4846	484363.09, 3861877.25	3.81E-03	1.20E-06	1.59E-07	2.06E-03	6.51E-07	8.59E-08	3.20E-04	1.01E-07	1.33E-08	3.18E-04	1.00E-07	1.33E-08	1.59E-07	8.59E-08
4847	484863.09, 3861877.25	3.91E-03	1.23E-06	1.63E-07	2.12E-03	6.68E-07	8.82E-08	3.32E-04	1.05E-07	1.38E-08	3.31E-04	1.05E-07	1.38E-08	1.63E-07	8.81E-08
4848	485363.09, 3861877.25	3.91E-03	1.23E-06	1.63E-07	2.12E-03	6.70E-07	8.84E-08	3.41E-04	1.08E-07	1.42E-08	3.43E-04	1.08E-07	1.43E-08	1.63E-07	8.84E-08
4849	485863.09, 3861877.25	3.87E-03	1.22E-06	1.61E-07	2.11E-03	6.66E-07	8.79E-08	3.52E-04	1.11E-07	1.47E-08	3.56E-04	1.12E-07	1.48E-08	1.61E-07	8.81E-08
4850	486363.09, 3861877.25	3.98E-03	1.26E-06	1.66E-07	2.18E-03	6.87E-07	9.07E-08	3.71E-04	1.17E-07	1.55E-08	3.74E-04	1.18E-07	1.56E-08	1.66E-07	9.08E-08
4851	486863.09, 3861877.25	4.15E-03	1.31E-06	1.73E-07	2.28E-03	7.18E-07	9.48E-08	3.95E-04	1.25E-07	1.64E-08	3.95E-04	1.25E-07	1.65E-08	1.73E-07	9.48E-08
4852	487363.09, 3861877.25	4.14E-03	1.31E-06	1.73E-07	2.29E-03	7.22E-07	9.53E-08	4.20E-04	1.33E-07	1.75E-08	4.18E-04	1.32E-07	1.74E-08	1.72E-07	9.52E-08
4853	487863.09, 3861877.25	4.06E-03	1.28E-06	1.69E-07	2.26E-03	7.15E-07	9.43E-08	4.45E-04	1.40E-07	1.85E-08	4.42E-04	1.40E-07	1.84E-08	1.69E-07	9.42E-08
4854	488363.09, 3861877.25	4.16E-03	1.31E-06	1.73E-07	2.33E-03	7.36E-07	9.72E-08	4.75E-04	1.50E-07	1.98E-08	4.70E-04	1.48E-07	1.96E-08	1.73E-07	9.70E-08
4855	488863.09, 3861877.25	4.78E-03	1.51E-06	1.99E-07	2.66E-03	8.38E-07	1.11E-07	5.09E-04	1.61E-07	2.12E-08	5.08E-04	1.60E-07	2.11E-08	1.99E-07	1.11E-07
4856	489363.09, 3861877.25	5.71E-03	1.80E-06	2.38E-07	3.13E-03	9.88E-07	1.30E-07	5.45E-04	1.72E-07	2.27E-08	5.50E-04	1.74E-07	2.29E-08	2.38E-07	1.31E-07
4857	489863.09, 3861877.25	5.52E-03	1.74E-06	2.30E-07	3.07E-03	9.68E-07	1.28E-07	5.89E-04	1.86E-07	2.45E-08	6.04E-04	1.91E-07	2.52E-08	2.31E-07	1.28E-07
4858	490363.09, 3861877.25	5.40E-03	1.70E-06	2.25E-07	3.05E-03	9.62E-07	1.27E-07	6.47E-04	2.04E-07	2.70E-08	6.73E-04	2.12E-07	2.80E-08	2.26E-07	1.28E-07
4859	490863.09, 3861877.25	5.33E-03	1.68E-06	2.22E-07	3.07E-03	9.67E-07	1.28E-07	7.33E-04	2.31E-07	3.05E-08	7.57E-04	2.39E-07	3.16E-08	2.23E-07	1.29E-07
4860	491363.09, 3861877.25	5.44E-03	1.72E-06	2.27E-07	3.20E-03	1.01E-06	1.33E-07	8.51E-04	2.68E-07	3.54E-08	8.72E-04	2.75E-07	3.63E-08	2.27E-07	1.34E-07
4861	491863.09, 3861877.25	5.69E-03	1.80E-06	2.37E-07	3.42E-03	1.08E-06	1.43E-07	1.01E-03	3.19E-07	4.22E-08	1.04E-03	3.30E-07	4.35E-08	2.38E-07	1.44E-07
4862	492363.09, 3861877.25	6.09E-03	1.92E-06	2.54E-07	3.77E-03	1.19E-06	1.57E-07	1.25E-03	3.95E-07	5.21E-08	1.30E-03	4.12E-07	5.43E-08	2.56E-07	1.59E-07
4863	492863.09, 3861877.25	6.56E-03	2.07E-06	2.73E-07	4.24E-03	1.34E-06	1.77E-07	1.62E-03	5.11E-07	6.75E-08	1.69E-03	5.32E-07	7.02E-08	2.76E-07	1.79E-07
4864	493363.09, 3861877.25	7.27E-03	2.30E-06	3.03E-07	4.95E-03	1.56E-06	2.06E-07	2.19E-03	6.91E-07	9.12E-08	2.28E-03	7.21E-07	9.51E-08	3.07E-07	2.10E-07
4865	493863.09, 3861877.25	8.58E-03	2.71E-06	3.58E-07	6.26E-03	1.98E-06	2.61E-07	3.23E-03	1.02E-06	1.34E-07	3.40E-03	1.07E-06	1.41E-07	3.65E-07	2.68E-07
4866	494363.09, 3861877.25	1.18E-02	3.71E-06	4.90E-07	9.46E-03	2.99E-06	3.94E-07	5.79E-03	1.83E-06	2.41E-07	6.16E-03	1.94E-06	2.56E-07	5.05E-07	4.09E-07
4867	494863.09, 3861877.25	3.42E-02	1.08E-05	1.42E-06	3.19E-02	1.01E-05	1.33E-06	2.37E-02	7.47E-06	9.85E-07	2.58E-02	8.14E-06	1.08E-06	1.51E-06	1.42E-06
4868	495363.09, 3861877.25	3.92E-02	1.24E-05	1.63E-06	3.70E-02	1.17E-05	1.54E-06	2.77E-02	8.75E-06	1.16E-06	2.87E-02	9.06E-06	1.20E-06	1.68E-06	1.58E-06
4869	495863.09, 3861877.25	1.87E-02	5.89E-06	7.78E-07	1.64E-02	5.19E-06	6.85E-07	1.14E-02	3.60E-06	4.75E-07	1.19E-02	3.76E-06	4.96E-07	7.99E-07	7.07E-07
4870	496363.09, 3861877.25	1.33E-02	4.20E-06	5.55E-07	1.11E-02	3.50E-06	4.63E-07	7.16E-03	2.26E-06	2.98E-07	7.50E-03	2.37E-06	3.12E-07	5.69E-07	4.77E-07
4871	496863.09, 3861877.25	9.29E-03	2.93E-06	3.87E-07	6.92E-03	2.18E-06	2.88E-07	3.71E-03	1.17E-06	1.55E-07	3.88E-03	1.23E-06	1.62E-07	3.94E-07	2.95E-07
4872	497363.09, 3861877.25	9.27E-03	2.93E-06	3.86E-07	7.03E-03	2.22E-06	2.93E-07	3.90E-03	1.23E-06	1.63E-07	4.08E-03	1.29E-06	1.70E-07	3.94E-07	3.00E-07
4873	497863.09, 3861877.25	8.67E-03	2.74E-06	3.61E-07	6.47E-03	2.04E-06	2.69E-07	3.48E-03	1.10E-06	1.45E-07	3.63E-03	1.15E-06	1.51E-07	3.68E-07	2.76E-07
4874	498363.09, 3861877.25	8.09E-03	2.55E-06	3.37E-07	5.89E-03	1.86E-06	2.45E-07	3.03E-03	9.56E-07	1.26E-07	3.16E-03	9.97E-07	1.32E-07	3.42E-07	2.51E-07
4875	471363.09, 3862377.25	2.05E-03	6.46E-07	8.53E-08	1.10E-03	3.46E-07	4.57E-08	1.57E-04	4.94E-08	6.53E-09	1.60E-04	5.05E-08	6.66E-09	8.54E-08	4.59E-08
4876	471863.09, 3862377.25	2.10E-03	6.64E-07	8.77E-08	1.13E-03	3.56E-07	4.69E-08	1.58E-04	4.99E-08	6.59E-09	1.63E-04	5.15E-08	6.80E-09	8.79E-08	4.71E-08
4877	472363.09, 3862377.25	2.15E-03	6.79E-07	8.97E-08	1.15E-03	3.64E-07	4.80E-08	1.63E-04	5.14E-08	6.79E-09	1.65E-04	5.20E-08	6.87E-09	8.97E-08	4.81E-08
4878	472863.09, 3862377.25	2.21E-03	6.98E-07	9.21E-08	1.18E-03	3.74E-07	4.93E-08	1.66E-04	5.24E-08	6.92E-09	1.68E-04	5.31E-08	7.00E-09	9.22E-08	4.94E-08
4879	473363.09, 3862377.25	2.29E-03	7.21E-07	9.52E-08	1.22E-03	3.86E-07	5.09E-08	1.69E-04	5.34E-08	7.05E-09	1.71E-04	5.41E-08	7.14E-09	9.53E-08	5.10E-08
4880	473863.09, 3862377.25	2.34E-03	7.40E-07	9.77E-08	1.25E-03	3.95E-07	5.21E-08	1.71E-04	5.39E-08	7.11E-09	1.75E-04	5.51E-08	7.28E-09	9.78E-08	5.23E-08
4881	474363.09, 3862377.25	2.41E-03	7.59E-07	1.00E-07	1.28E-03	4.05E-07	5.35E-08	1.74E-04	5.49E-08	7.24E-09	1.76E-04	5.56E-08	7.34E-09	1.00E-07	5.36E-08
4882	474863.09, 3862377.25	2.48E-03	7.83E-07	1.03E-07	1.32E-03	4.17E-07	5.51E-08	1.77E-04	5.59E-08	7.37E-09	1.80E-04	5.67E-08	7.48E-09	1.03E-07	5.52E-08
4883	475363.09, 3862377.25	2.53E-03	7.98E-07	1.05E-07	1.35E-03	4.26E-07	5.62E-08	1.82E-04	5.74E-08	7.57E-09	1.84E-04	5.82E-08	7.68E-09	1.06E-07	5.63E-08
4884	475863.09, 3862377.25	2.58E-03	8.14E-07	1.07E-07	1.38E-03	4.34E-07	5.73E-08	1.86E-04	5.88E-08	7.77E-09	1.88E-04	5.92E-08	7.82E-09	1.07E-07	5.74E-08

4885	476363.09, 3862377.25	2.64E-03	8.33E-07	1.10E-07	1.41E-03	4.44E-07	5.86E-08	1.90E-04	5.98E-08	7.90E-09	1.93E-04	6.08E-08	8.02E-09	1.10E-07	5.87E-08
4886	476863.09, 3862377.25	2.70E-03	8.51E-07	1.12E-07	1.44E-03	4.54E-07	5.99E-08	1.93E-04	6.08E-08	8.03E-09	1.96E-04	6.18E-08	8.16E-09	1.13E-07	6.00E-08
4887	477363.09, 3862377.25	2.79E-03	8.82E-07	1.16E-07	1.49E-03	4.69E-07	6.19E-08	1.94E-04	6.13E-08	8.09E-09	1.98E-04	6.23E-08	8.23E-09	1.17E-07	6.20E-08
4888	477863.09, 3862377.25	2.91E-03	9.17E-07	1.21E-07	1.53E-03	4.83E-07	6.37E-08	1.79E-04	5.64E-08	7.44E-09	1.86E-04	5.87E-08	7.75E-09	1.21E-07	6.40E-08
4889	478363.09, 3862377.25	2.87E-03	9.05E-07	1.19E-07	1.50E-03	4.73E-07	6.25E-08	1.61E-04	5.09E-08	6.72E-09	1.73E-04	5.46E-08	7.21E-09	1.20E-07	6.30E-08
4890	478863.09, 3862377.25	2.95E-03	9.30E-07	1.23E-07	1.54E-03	4.86E-07	6.41E-08	1.64E-04	5.19E-08	6.85E-09	1.76E-04	5.56E-08	7.34E-09	1.23E-07	6.46E-08
4891	479363.09, 3862377.25	3.07E-03	9.68E-07	1.28E-07	1.61E-03	5.08E-07	6.70E-08	1.79E-04	5.64E-08	7.44E-09	1.89E-04	5.98E-08	7.89E-09	1.28E-07	6.74E-08
4892	479863.09, 3862377.25	3.12E-03	9.85E-07	1.30E-07	1.66E-03	5.23E-07	6.91E-08	2.15E-04	6.77E-08	8.94E-09	2.19E-04	6.90E-08	9.11E-09	1.30E-07	6.92E-08
4893	480363.09, 3862377.25	3.08E-03	9.71E-07	1.28E-07	1.65E-03	5.19E-07	6.86E-08	2.30E-04	7.27E-08	9.59E-09	2.32E-04	7.32E-08	9.66E-09	1.28E-07	6.86E-08
4894	480863.09, 3862377.25	3.09E-03	9.74E-07	1.29E-07	1.66E-03	5.23E-07	6.90E-08	2.38E-04	7.52E-08	9.92E-09	2.38E-04	7.52E-08	9.93E-09	1.29E-07	6.90E-08
4895	481363.09, 3862377.25	3.10E-03	9.78E-07	1.29E-07	1.67E-03	5.26E-07	6.94E-08	2.46E-04	7.76E-08	1.02E-08	2.46E-04	7.78E-08	1.03E-08	1.29E-07	6.95E-08
4896	481863.09, 3862377.25	3.14E-03	9.91E-07	1.31E-07	1.69E-03	5.35E-07	7.06E-08	2.57E-04	8.11E-08	1.07E-08	2.55E-04	8.04E-08	1.06E-08	1.31E-07	7.05E-08
4897	482363.09, 3862377.25	3.20E-03	1.01E-06	1.33E-07	1.73E-03	5.46E-07	7.20E-08	2.65E-04	8.36E-08	1.10E-08	2.63E-04	8.29E-08	1.09E-08	1.33E-07	7.19E-08
4898	482863.09, 3862377.25	3.25E-03	1.02E-06	1.35E-07	1.75E-03	5.54E-07	7.31E-08	2.71E-04	8.55E-08	1.13E-08	2.69E-04	8.50E-08	1.12E-08	1.35E-07	7.30E-08
4899	483363.09, 3862377.25	3.28E-03	1.04E-06	1.37E-07	1.78E-03	5.61E-07	7.40E-08	2.79E-04	8.80E-08	1.16E-08	2.77E-04	8.76E-08	1.16E-08	1.37E-07	7.40E-08
4900	483863.09, 3862377.25	3.25E-03	1.03E-06	1.36E-07	1.77E-03	5.58E-07	7.37E-08	2.87E-04	9.05E-08	1.19E-08	2.87E-04	9.07E-08	1.20E-08	1.36E-07	7.37E-08
4901	484363.09, 3862377.25	3.27E-03	1.03E-06	1.36E-07	1.78E-03	5.63E-07	7.44E-08	2.96E-04	9.34E-08	1.23E-08	2.99E-04	9.43E-08	1.24E-08	1.37E-07	7.45E-08
4902	484863.09, 3862377.25	3.25E-03	1.03E-06	1.36E-07	1.78E-03	5.63E-07	7.43E-08	3.09E-04	9.74E-08	1.29E-08	3.10E-04	9.79E-08	1.29E-08	1.36E-07	7.43E-08
4903	485363.09, 3862377.25	3.19E-03	1.01E-06	1.33E-07	1.76E-03	5.55E-07	7.32E-08	3.18E-04	1.00E-07	1.32E-08	3.20E-04	1.01E-07	1.33E-08	1.33E-07	7.33E-08
4904	485863.09, 3862377.25	3.11E-03	9.82E-07	1.30E-07	1.73E-03	5.45E-07	7.19E-08	3.27E-04	1.03E-07	1.36E-08	3.31E-04	1.05E-07	1.38E-08	1.30E-07	7.21E-08
4905	486363.09, 3862377.25	3.11E-03	9.82E-07	1.30E-07	1.73E-03	5.47E-07	7.22E-08	3.40E-04	1.07E-07	1.42E-08	3.46E-04	1.09E-07	1.44E-08	1.30E-07	7.25E-08
4906	486863.09, 3862377.25	3.13E-03	9.87E-07	1.30E-07	1.75E-03	5.53E-07	7.31E-08	3.59E-04	1.13E-07	1.49E-08	3.62E-04	1.14E-07	1.51E-08	1.30E-07	7.32E-08
4907	487363.09, 3862377.25	3.13E-03	9.87E-07	1.30E-07	1.77E-03	5.58E-07	7.36E-08	3.81E-04	1.20E-07	1.59E-08	3.82E-04	1.21E-07	1.59E-08	1.30E-07	7.37E-08
4908	487863.09, 3862377.25	3.15E-03	9.94E-07	1.31E-07	1.79E-03	5.66E-07	7.47E-08	4.03E-04	1.27E-07	1.68E-08	4.03E-04	1.27E-07	1.68E-08	1.31E-07	7.47E-08
4909	488363.09, 3862377.25	3.19E-03	1.01E-06	1.33E-07	1.83E-03	5.76E-07	7.61E-08	4.25E-04	1.34E-07	1.77E-08	4.26E-04	1.34E-07	1.77E-08	1.33E-07	7.61E-08
4910	488863.09, 3862377.25	3.60E-03	1.14E-06	1.50E-07	2.05E-03	6.46E-07	8.52E-08	4.53E-04	1.43E-07	1.89E-08	4.52E-04	1.43E-07	1.88E-08	1.50E-07	8.52E-08
4911	489363.09, 3862377.25	4.56E-03	1.44E-06	1.90E-07	2.53E-03	8.00E-07	1.06E-07	4.82E-04	1.52E-07	2.01E-08	4.85E-04	1.53E-07	2.02E-08	1.90E-07	1.06E-07
4912	489863.09, 3862377.25	4.35E-03	1.37E-06	1.81E-07	2.45E-03	7.73E-07	1.02E-07	5.14E-04	1.62E-07	2.14E-08	5.22E-04	1.65E-07	2.18E-08	1.82E-07	1.02E-07
4913	490363.09, 3862377.25	4.35E-03	1.37E-06	1.81E-07	2.47E-03	7.80E-07	1.03E-07	5.48E-04	1.73E-07	2.28E-08	5.68E-04	1.79E-07	2.37E-08	1.82E-07	1.04E-07
4914	490863.09, 3862377.25	4.18E-03	1.32E-06	1.74E-07	2.42E-03	7.63E-07	1.01E-07	5.95E-04	1.88E-07	2.48E-08	6.22E-04	1.96E-07	2.59E-08	1.75E-07	1.02E-07
4915	491363.09, 3862377.25	4.13E-03	1.30E-06	1.72E-07	2.44E-03	7.69E-07	1.01E-07	6.58E-04	2.08E-07	2.74E-08	6.81E-04	2.15E-07	2.84E-08	1.73E-07	1.02E-07
4916	491863.09, 3862377.25	4.19E-03	1.32E-06	1.75E-07	2.51E-03	7.93E-07	1.05E-07	7.32E-04	2.31E-07	3.05E-08	7.49E-04	2.36E-07	3.12E-08	1.75E-07	1.05E-07
4917	492363.09, 3862377.25	4.37E-03	1.38E-06	1.82E-07	2.65E-03	8.38E-07	1.11E-07	8.19E-04	2.59E-07	3.41E-08	8.46E-04	2.67E-07	3.52E-08	1.83E-07	1.12E-07
4918	492863.09, 3862377.25	4.58E-03	1.44E-06	1.91E-07	2.83E-03	8.94E-07	1.18E-07	9.38E-04	2.96E-07	3.91E-08	9.79E-04	3.09E-07	4.08E-08	1.92E-07	1.20E-07
4919	493363.09, 3862377.25	4.77E-03	1.51E-06	1.99E-07	3.03E-03	9.55E-07	1.26E-07	1.09E-03	3.45E-07	4.55E-08	1.14E-03	3.59E-07	4.74E-08	2.01E-07	1.28E-07
4920	493863.09, 3862377.25	5.03E-03	1.59E-06	2.10E-07	3.27E-03	1.03E-06	1.36E-07	1.28E-03	4.04E-07	5.33E-08	1.33E-03	4.19E-07	5.54E-08	2.12E-07	1.38E-07
4921	494363.09, 3862377.25	5.42E-03	1.71E-06	2.26E-07	3.64E-03	1.15E-06	1.52E-07	1.55E-03	4.90E-07	6.47E-08	1.61E-03	5.10E-07	6.73E-08	2.28E-07	1.54E-07
4922	494863.09, 3862377.25	5.94E-03	1.87E-06	2.47E-07	4.14E-03	1.31E-06	1.73E-07	1.94E-03	6.13E-07	8.09E-08	2.03E-03	6.41E-07	8.46E-08	2.51E-07	1.76E-07
4923	495363.09, 3862377.25	6.62E-03	2.09E-06	2.76E-07	4.85E-03	1.53E-06	2.02E-07	2.52E-03	7.97E-07	1.05E-07	2.65E-03	8.36E-07	1.10E-07	2.81E-07	2.07E-07
4924	495863.09, 3862377.25	8.13E-03	2.56E-06	3.39E-07	6.39E-03	2.02E-06	2.66E-07	3.77E-03	1.19E-06	1.57E-07	3.96E-03	1.25E-06	1.65E-07	3.47E-07	2.74E-07
4925	496363.09, 3862377.25	1.28E-02	4.03E-06	5.32E-07	1.10E-02	3.48E-06	4.60E-07	7.47E-03	2.36E-06	3.11E-07	7.84E-03	2.47E-06	3.26E-07	5.47E-07	4.75E-07
4926	496863.09, 3862377.25	8.57E-02	2.70E-05	3.57E-06	8.39E-02	2.65E-05	3.50E-06	6.54E-02	2.06E-05	2.73E-06	6.64E-02	2.10E-05	2.77E-06	3.61E-06	3.54E-06
4927	497363.09, 3862377.25	5.21E-02	1.65E-05	2.17E-06	5.04E-02	1.59E-05	2.10E-06	3.88E-02	1.22E-05	1.62E-06	4.08E-02	1.29E-05	1.70E-06	2.25E-06	2.18E-06
4928	497863.09, 3862377.25	1.32E-01	4.15E-05	5.48E-06	1.30E-01	4.10E-05	5.41E-06	1.02E-01	3.22E-05	4.25E-06	1.14E-01	3.60E-05	4.76E-06	5.99E-06	5.92E-06
4929	498363.09, 3862377.25	2.02E-02	6.38E-06	8.42E-07	1.85E-02	5.84E-06	7.70E-07	1.34E-02	4.23E-06	5.58E-07	1.39E-02	4.37E-06	5.77E-07	8.61E-07	7.89E-07
4930	471363.09, 3862877.25	1.97E-03	6.22E-07	8.21E-08	1.06E-03	3.34E-07	4.41E-08	1.52E-04	4.80E-08	6.33E-09	1.55E-04	4.89E-08	6.46E-09	8.22E-08	4.42E-08
4931	471863.09, 3862877.25	2.02E-03	6.37E-07	8.40E-08	1.08E-03	3.41E-07	4.51E-08	1.55E-04	4.89E-08	6.46E-09	1.58E-04	5.00E-08	6.60E-09	8.42E-08	4.52E-08
4932	472363.09, 3862877.25	2.06E-03	6.51E-07	8.60E-08	1.11E-03	3.49E-07	4.61E-08	1.58E-04	4.99E-08	6.59E-09	1.62E-04	5.10E-08	6.73E-09	8.61E-08	4.62E-08
4933	472863.09, 3862877.25	2.12E-03	6.71E-07	8.85E-08	1.14E-03	3.59E-07	4.74E-08	1.61E-04	5.09E-08	6.72E-09	1.63E-04	5.15E-08	6.80E-09	8.86E-08	4.75E-08
4934	473363.09, 3862877.25	2.17E-03	6.85E-07	9.05E-08	1.16E-03	3.67E-07	4.85E-08	1.64E-04	5.19E-08	6.85E-09	1.66E-04	5.25E-08	6.94E-09	9.06E-08	4.86E-08
4935	473863.09, 3862877.25	2.23E-03	7.04E-07	9.29E-08	1.19E-03	3.77E-07	4.97E-08	1.66E-04	5.24E-08	6.92E-09	1.70E-04	5.36E-08	7.07E-09	9.31E-08	4.99E-08
4936	474363.09, 3862877.25	2.28E-03	7.19E-07	9.49E-08	1.22E-03	3.84E-07	5.07E-08	1.69E-04	5.34E-08	7.05E-09	1.71E-04	5.41E-08	7.14E-09	9.50E-08	5.08E-08
4937	474863.09, 3862877.25	2.32E-03	7.33E-07	9.68E-08	1.24E-03	3.92E-07	5.18E-08	1.72E-04	5.44E-08	7.18E-09	1.75E-04	5.51E-08	7.28E-09	9.69E-08	5.19E-08
4938	475363.09, 3862877.25	2.36E-03	7.44E-07	9.82E-08	1.26E-03	3.98E-07	5.26E-08	1.77E-04	5.59E-08	7.37E-09	1.80E-04	5.67E-08	7.48E-09	9.83E-08	5.27E-08
4939	475863.09, 3862877.25	2.40E-03	7.58E-07	1.00E-07	1.29E-03	4.06E-07	5.36E-08	1.80E-04	5.69E-08	7.51E-09	1.83E-04	5.77E-08	7.62E-09	1.00E-07	5.37E-08
4940	476363.09, 3862877.25	2.44E-03	7.69E-07	1.01E-07	1.31E-03	4.12E-07	5.44E-08	1.85E-04	5.83E-08	7.70E-09	1.86E-04	5.87E-08	7.75E-09	1.02E-07	5.44E-08
4941	476863.09, 3862877.25	2.49E-03	7.87E-07	1.04E-07	1.33E-03	4.21E-07	5.56E-08	1.86E-04	5.88E-08	7.77E-09	1.89E-04	5.98E-08	7.89E-09	1.04E-07	5.57E-08
4942	477363.09, 3862877.25	2.57E-03	8.10E-07	1.07E-07	1.37E-03	4.33E-07	5.72E-08	1.90E-04	5.98E-08	7.90E-09	1.93E-04	6.08E-08	8.02E-09	1.07E-07	5.73E-08
4943	477863.09, 3862877.25	2.67E-03	8.43E-07	1.11E-07	1.42E-03	4.48E-07	5.91E-08	1.85E-04	5.83E-08	7.70E-09	1.89E-04	5.98E-08	7.89E-09	1.11E-07	5.93E-08
4944	478363.09, 3862877.25	2.71E-03	8.54E-07	1.13E-07	1.43E-03	4.50E-07	5.94E-08	1.69E-04	5.34E-08	7.05E-09	1.78E-04	5.62E-08	7.41E-09	1.13E-07	5.98E-08
4945	478863.09, 3862877.25	2.75E-03	8.69E-07	1.15E-07	1.45E-03	4.58E-07	6.04E-08	1.71E-04	5.39E-08	7.11E-09	1.80E-04	5.67E-08	7.48E-09	1.15E-07	6.08E-08
4946	479363.09, 3862877.25	2.82E-03	8.89E-07	1.17E-07	1.48E-03	4.68E-07	6.18E-08	1.75E-04	5.54E-08	7.31E-09	1.84E-04	5.82E-08	7.68E-09	1.18E-07	6.22E-08
4947	479863.09, 3862877.25	2.76E-03	8.70E-07	1.15E-07	1.48E-03	4.67E-07	6.16E-08	2.11E-04	6.67E-08	8.81E-09	2.14E-04	6.75E-08	8.91E-09	1.15E-07	6.17E-08
4948	480363.09, 3862877.25	2.74E-03	8.66E-07	1.14E-07	1.48E-03	4.66E-07	6.16E-08	2.21E-04	6.97E-08	9.20E-09	2.20E-04	6.95E-08	9.18E-09	1.14E-07	6.15E-08
4949	480863.09, 3862877.25	2.75E-03	8.68E-07	1.15E-07	1.48E-03	4.68E-07	6.18E-08	2.26E-04	7.12E-08	9.40E-09	2.27E-04	7.16E-08	9.45E-09	1.15E-07	6.19E-08
4950	481363.09, 3862877.25	2.73E-03	8.63E-07	1.14E-07	1.48E-03	4.68E-07	6.18E-08	2.35E-04	7.42E-08	9.79E-09	2.35E-04	7.42E-08	9.79E-09	1.14E-07	6.18E-08
4951	481863.09, 3862877.25	2.82E-03	8.91E-07	1.18E-07	1.53E-03	4.83E-07	6.38E-08	2.43E-04	7.66E-08	1.01E-08	2.42E-04	7.62E-08	1.01E-08	1.18E-07	6.37E-08
4952	482363.09, 3862877.25	2.81E-03	8.88E-07	1.17E-07	1.53E-03	4.83E-07	6.38E-08	2.49E-04	7.86E-08	1.04E-08	2.50E-04	7.88E-08	1.04E-08	1.17E-07	6.38E-08
4953	482863.09, 3862877.25	2.85E-03	8.99E-07	1.19E-07	1.55E-03	4.89E-07	6.46E-08	2.55E-04	8.06E-08	1.06E-08	2.56E-04	8.09E-08	1.07E-08	1.19E-07	6.47E-08
4954	483363.09, 3862877.25	2.86E-03	9.02E-07	1.19E-07	1.56E-03	4.93E-07	6.51E-08	2.63E-04	8.31E-08	1.10E-08	2.63E-04	8.29E-08	1.09E-08	1.19E-07	6.50E-08
4955	483863.09, 3862877.25	2.82E-03	8.90E-07	1.17E-07	1.55E-03	4.88E-07	6.44E-08	2.69E-04	8.50E-08	1.12E-08	2.71E-04	8.55E-08	1.13E-08	1.18E-07	6.45E-08
4956	484363.09, 3862877.25	2.81E-03	8.87E-07	1.17E-07	1.55E-03	4.88E-07	6.45E-08	2.79E-04	8.80E-08	1.16E-08	2.81E-04	8.86E-08	1.17E-08	1.17E-07	6.45E-08
4957	484863.09, 3862877.25	2.74E-03	8.64E-07	1.14E-07	1.52E-03	4.79E-07	6.32E-08	2.88E-04	9.10E-08	1.20E-08	2.92E-04	9.22E-08	1.22E-08	1.14E-07	6.34E-08
4958	485363.09, 3862877.25	2.66E-03	8.39E-07	1.11E-07	1.49E-03	4.69E-07	6.19E-08	2.98E-04	9.39E-08	1.24E-08	3.02E-04	9.53E-08	1.26E-08	1.11E-07	6.21E-08
4959	485863.09, 3862877.25	2.56E-03	8.07E-07	1.07E-07	1.44E-03	4.55E-07	6.01E-08	3.07E-04	9.69E-08	1.28E-08	3.12E-04	9.84E-08	1.30E-08	1.07E-07	6.03E-08
4960	486363.09, 3862877.25	2.51E-03	7.94E-07	1.05E-07	1.43E-03	4.51E-07	5.95E-08	3.16E-04	9.99E-08	1.32E-08	3.23E-04	1.02E-07	1.35E-08	1.05E-07	5.98E-08
4961	486863.09, 3862877.25	2.47E-03	7.80E-07	1.03E-07	1.42E-03	4.47E-07	5.90E-08	3.31E-04	1.04E-07	1.38E-08	3.36E-04	1.06E-07	1.40E-08	1.03E-07	5.92E-08
4962	487363.09, 3862877.25	2.51E-03	7.94E-07	1.05E-07	1.45E-03	4.57E-07	6.04E-08	3.48E-04	1.10E-07	1.45E-08	3.53E-04	1.11E-07	1.47E-08	1.05E-07	6.06E-08
4963	487863.09, 3862877.25	2.55E-03	8.05E-07	1.06E-07	1.48E-03	4.66E-07	6.15E-08	3.67E-04	1.16E-07	1.53E-08	3.69E-04	1.16E-07	1.54E-08	1.06E-07	6.16E-08
4964	488363.09, 3862877.25	2.61E-03	8.23E-07	1.09E-07	1.52E-03	4.79E-07	6.32E-08	3.84E-04	1.21E-07	1.60E-08	3.87E-04	1.22E-07	1.61E-08	1.09E-07	6.33E-08
4965	488863.09, 3862877.25	2.86E-03	9.02E-07	1.19E-07	1.65E-03	5.22E-07	6.89E-08	4.04E-04	1.28E-07	1.68E-08	4.05E-04	1.28E-07	1.69E-08	1.19E-07	6.89E-08
4966	489363.09, 3862877.25	3.76E-03	1.19E-06	1.57E-07	2.11E-03	6.65E-07	8.77E-08	4.28E-04	1.35E-07	1.78E-08	4.29E-04	1.35E-07	1.79E-08	1.57E-07	8.78E-08
4967	489863.09, 3862877.25	3.62E-03	1.14E-06	1.51E-07	2.05E-03	6.48E-07	8.55E-08	4.53E-04	1.43E-07	1.89E-08	4.59E-04	1.45E-07	1.91E-08	1.51E-07	8.58E-08
4968	490363.09, 3862877.25	3.66E-03	1.16E-06	1.52E-07	2.09E-03	6.60E-07	8.71E-08	4.78E-04	1.51E-07	1.99E-08	4.90E-04	1.55E-07	2.04E-08	1.53E-07	8.76E-08
4969	490863.09, 3862877.25	3.55E-03	1.12E-06	1.48E-07	2.05E-03	6.48E-07	8.55E-08	5.04E-04	1.59E-07	2.10E-08	5.27E-04	1.66E-07	2.20E-08	1.49E-07	8.65E-08
4970	491363.09, 3862877.25	3.42E-03	1.08E-06	1.42E-07	2.01E-03	6.34E-07	8.37E-08	5.37E-04	1.70E-07	2.24E-08	5.63E-04	1.78E-07	2.35E-08	1.43E-07	8.48E-08
4971	491863.09, 3862877.25	3.36E-03	1.06E-06	1.40E-07	2.01E-03	6.35E-07	8.38E-08	5.81E-04	1.83E-07	2.42E-08	6.02E-04	1.90E-07	2.51E-08	1.41E-07	8.47E-08
4972	492363.09, 3862877.25	3.42E-03	1.08E-06	1.43E-07	2.07E-03	6.54E-07	8.63E-08	6.28E-04	1.98E-07	2.62E-08	6.43E-04	2.03E-07	2.68E-08	1.43E-07	8.69E-08
4973	492863.09, 3862877.25	3.56E-03	1.12E-06	1.48E-07	2.17E-03	6.86E-07	9.05E-08	6.83E-04	2.16E-07	2.85E-08	7.04E-04	2.22E-07	2.93E-08	1.49E-07	9.14E-08
4974	493363.09, 3862877.25	3.67E-03	1.16E-06	1.53E-07	2.27E-03	7.16E-07	9.45E-08	7.50E-04	2.37E-07	3.13E-08	7.83E-04	2.47E-07	3.26E-08	1.54E-07	9.59E-08
4975	493863.09, 3862877.25	3.76E-03	1.19E-06	1.57E-07	2.36E-03	7.45E-07	9.83E-08	8.16E-04	2.58E-07	3.40E-08	8.50E-04	2.68E-07	3.54E-08	1.58E-07	9.97E-08
4976	494363.09, 3862877.25	3.89E-03	1.23E-06	1.62E-07	2.48E-03	7.82E-07	1.03E-07	9.07E-04	2.86E-07	3.78E-08	9.39E-04	2.96E-07	3.91E-08	1.63E-07	1.05E-07
4977	494863.09, 3862877.25	4.08E-03	1.29E-06	1.70E-07	2.65E-03	8.37E-07	1.11E-07	1.04E-03	3.27E-07	4.32E-08	1.07E-03	3.38E-07	4.47E-08	1.71E-07	1.12E-07
4978	495363.09, 3862877.25	4.29E-03	1.36E-06	1.79E-07	2.85E-03	9.00E-07	1.19E-07	1.18E-03	3.72E-07	4.91E-08	1.22E-03	3.86E-07	5.09E-08	1.81E-07	1.21E-07

4979 495863.09, 3862877.25	4.49E-03	1.42E-06	1.87E-07	3.04E-03	9.60E-07	1.27E-07	1.33E-03	4.20E-07	5.54E-08	1.39E-03	4.37E-07	5.77E-08	1.89E-07	1.29E-07
4980 496363.09, 3862877.25	4.68E-03	1.48E-06	1.95E-07	3.25E-03	1.03E-06	1.35E-07	1.51E-03	4.75E-07	6.27E-08	1.58E-03	4.97E-07	6.56E-08	1.98E-07	1.38E-07
4981 496863.09, 3862877.25	4.93E-03	1.56E-06	2.05E-07	3.52E-03	1.11E-06	1.47E-07	1.74E-03	5.48E-07	7.23E-08	1.82E-03	5.74E-07	7.58E-08	2.09E-07	1.50E-07
4982 497363.09, 3862877.25	5.09E-03	1.61E-06	2.12E-07	3.70E-03	1.17E-06	1.54E-07	1.89E-03	5.96E-07	7.87E-08	1.98E-03	6.25E-07	8.25E-08	2.16E-07	1.58E-07
4983 497863.09, 3862877.25	5.09E-03	1.61E-06	2.12E-07	3.70E-03	1.17E-06	1.54E-07	1.89E-03	5.97E-07	7.88E-08	1.98E-03	6.24E-07	8.24E-08	2.16E-07	1.58E-07
4984 498363.09, 3862877.25	5.02E-03	1.59E-06	2.09E-07	3.62E-03	1.14E-06	1.51E-07	1.82E-03	5.74E-07	7.57E-08	1.90E-03	6.00E-07	7.92E-08	2.13E-07	1.54E-07
4985 471363.09, 3863377.25	1.90E-03	6.00E-07	7.91E-08	1.02E-03	3.22E-07	4.25E-08	1.49E-04	4.70E-08	6.20E-09	1.52E-04	4.79E-08	6.32E-09	7.93E-08	4.27E-08
4986 471863.09, 3863377.25	1.93E-03	6.10E-07	8.05E-08	1.04E-03	3.28E-07	4.33E-08	1.52E-04	4.80E-08	6.33E-09	1.55E-04	4.89E-08	6.46E-09	8.07E-08	4.34E-08
4987 472363.09, 3863377.25	1.98E-03	6.24E-07	8.24E-08	1.06E-03	3.35E-07	4.42E-08	1.54E-04	4.85E-08	6.40E-09	1.57E-04	4.95E-08	6.53E-09	8.25E-08	4.44E-08
4988 472863.09, 3863377.25	2.02E-03	6.39E-07	8.43E-08	1.09E-03	3.43E-07	4.53E-08	1.57E-04	4.94E-08	6.53E-09	1.60E-04	5.05E-08	6.66E-09	8.45E-08	4.54E-08
4989 473363.09, 3863377.25	2.06E-03	6.49E-07	8.57E-08	1.10E-03	3.49E-07	4.60E-08	1.60E-04	5.04E-08	6.66E-09	1.62E-04	5.10E-08	6.73E-09	8.58E-08	4.61E-08
4990 473863.09, 3863377.25	2.10E-03	6.64E-07	8.76E-08	1.13E-03	3.56E-07	4.70E-08	1.63E-04	5.14E-08	6.79E-09	1.65E-04	5.20E-08	6.87E-09	8.77E-08	4.71E-08
4991 474363.09, 3863377.25	2.13E-03	6.73E-07	8.88E-08	1.14E-03	3.61E-07	4.77E-08	1.64E-04	5.19E-08	6.85E-09	1.68E-04	5.31E-08	7.00E-09	8.90E-08	4.78E-08
4992 474863.09, 3863377.25	2.15E-03	6.78E-07	8.96E-08	1.15E-03	3.64E-07	4.81E-08	1.68E-04	5.29E-08	6.98E-09	1.70E-04	5.36E-08	7.07E-09	8.96E-08	4.82E-08
4993 475363.09, 3863377.25	2.19E-03	6.93E-07	9.14E-08	1.18E-03	3.72E-07	4.91E-08	1.71E-04	5.39E-08	7.11E-09	1.73E-04	5.46E-08	7.21E-09	9.15E-08	4.92E-08
4994 475863.09, 3863377.25	2.23E-03	7.03E-07	9.28E-08	1.20E-03	3.77E-07	4.98E-08	1.74E-04	5.49E-08	7.24E-09	1.76E-04	5.56E-08	7.34E-09	9.29E-08	4.99E-08
4995 476363.09, 3863377.25	2.25E-03	7.09E-07	9.36E-08	1.21E-03	3.82E-07	5.04E-08	1.79E-04	5.64E-08	7.44E-09	1.80E-04	5.67E-08	7.48E-09	9.37E-08	5.04E-08
4996 476863.09, 3863377.25	2.28E-03	7.20E-07	9.50E-08	1.23E-03	3.87E-07	5.11E-08	1.82E-04	5.74E-08	7.57E-09	1.83E-04	5.77E-08	7.62E-09	9.51E-08	5.12E-08
4997 477363.09, 3863377.25	2.33E-03	7.35E-07	9.70E-08	1.25E-03	3.95E-07	5.22E-08	1.85E-04	5.83E-08	7.70E-09	1.86E-04	5.87E-08	7.75E-09	9.71E-08	5.22E-08
4998 477863.09, 3863377.25	2.40E-03	7.57E-07	1.00E-07	1.29E-03	4.06E-07	5.36E-08	1.85E-04	5.83E-08	7.70E-09	1.88E-04	5.92E-08	7.82E-09	1.00E-07	5.38E-08
4999 478363.09, 3863377.25	2.49E-03	7.85E-07	1.04E-07	1.33E-03	4.18E-07	5.52E-08	1.77E-04	5.59E-08	7.37E-09	1.83E-04	5.77E-08	7.62E-09	1.04E-07	5.55E-08
5000 478863.09, 3863377.25	2.51E-03	7.92E-07	1.04E-07	1.34E-03	4.22E-07	5.57E-08	1.82E-04	5.74E-08	7.57E-09	1.86E-04	5.87E-08	7.75E-09	1.05E-07	5.59E-08
5001 479363.09, 3863377.25	2.50E-03	7.88E-07	1.04E-07	1.34E-03	4.23E-07	5.59E-08	1.94E-04	6.13E-08	8.09E-09	1.98E-04	6.23E-08	8.23E-09	1.04E-07	5.60E-08
5002 479863.09, 3863377.25	2.46E-03	7.76E-07	1.02E-07	1.33E-03	4.19E-07	5.54E-08	2.05E-04	6.48E-08	8.55E-09	2.07E-04	6.54E-08	8.64E-09	1.02E-07	5.54E-08
5003 480363.09, 3863377.25	2.45E-03	7.74E-07	1.02E-07	1.33E-03	4.20E-07	5.54E-08	2.11E-04	6.67E-08	8.81E-09	2.12E-04	6.70E-08	8.84E-09	1.02E-07	5.54E-08
5004 480863.09, 3863377.25	2.46E-03	7.76E-07	1.02E-07	1.34E-03	4.22E-07	5.57E-08	2.16E-04	6.82E-08	9.01E-09	2.19E-04	6.90E-08	9.11E-09	1.02E-07	5.58E-08
5005 481363.09, 3863377.25	2.44E-03	7.69E-07	1.02E-07	1.33E-03	4.20E-07	5.55E-08	2.24E-04	7.07E-08	9.33E-09	2.25E-04	7.11E-08	9.38E-09	1.02E-07	5.55E-08
5006 481863.09, 3863377.25	2.47E-03	7.80E-07	1.03E-07	1.35E-03	4.27E-07	5.64E-08	2.32E-04	7.32E-08	9.66E-09	2.32E-04	7.32E-08	9.66E-09	1.03E-07	5.64E-08
5007 482363.09, 3863377.25	2.49E-03	7.86E-07	1.04E-07	1.37E-03	4.31E-07	5.69E-08	2.38E-04	7.52E-08	9.92E-09	2.38E-04	7.52E-08	9.93E-09	1.04E-07	5.69E-08
5008 482863.09, 3863377.25	2.48E-03	7.84E-07	1.04E-07	1.37E-03	4.31E-07	5.69E-08	2.43E-04	7.66E-08	1.01E-08	2.45E-04	7.73E-08	1.02E-08	1.04E-07	5.70E-08
5009 483363.09, 3863377.25	2.50E-03	7.88E-07	1.04E-07	1.38E-03	4.34E-07	5.73E-08	2.49E-04	7.86E-08	1.04E-08	2.51E-04	7.93E-08	1.05E-08	1.04E-07	5.74E-08
5010 483863.09, 3863377.25	2.47E-03	7.80E-07	1.03E-07	1.37E-03	4.31E-07	5.70E-08	2.55E-04	8.06E-08	1.06E-08	2.58E-04	8.14E-08	1.07E-08	1.03E-07	5.71E-08
5011 484363.09, 3863377.25	2.40E-03	7.57E-07	1.00E-07	1.34E-03	4.22E-07	5.57E-08	2.63E-04	8.31E-08	1.10E-08	2.68E-04	8.45E-08	1.12E-08	1.00E-07	5.59E-08
5012 484863.09, 3863377.25	2.32E-03	7.33E-07	9.68E-08	1.31E-03	4.12E-07	5.44E-08	2.73E-04	8.60E-08	1.14E-08	2.76E-04	8.71E-08	1.15E-08	9.69E-08	5.46E-08
5013 485363.09, 3863377.25	2.23E-03	7.04E-07	9.30E-08	1.27E-03	4.00E-07	5.28E-08	2.80E-04	8.85E-08	1.17E-08	2.86E-04	9.02E-08	1.19E-08	9.32E-08	5.30E-08
5014 485863.09, 3863377.25	2.17E-03	6.85E-07	9.05E-08	1.24E-03	3.92E-07	5.18E-08	2.88E-04	9.10E-08	1.20E-08	2.94E-04	9.27E-08	1.22E-08	9.07E-08	5.20E-08
5015 486363.09, 3863377.25	2.10E-03	6.62E-07	8.74E-08	1.21E-03	3.82E-07	5.05E-08	2.95E-04	9.30E-08	1.23E-08	3.02E-04	9.53E-08	1.26E-08	8.77E-08	5.08E-08
5016 486863.09, 3863377.25	2.05E-03	6.47E-07	8.54E-08	1.20E-03	3.77E-07	4.98E-08	3.05E-04	9.64E-08	1.27E-08	3.12E-04	9.84E-08	1.30E-08	8.57E-08	5.01E-08
5017 487363.09, 3863377.25	2.06E-03	6.50E-07	8.58E-08	1.21E-03	3.81E-07	5.03E-08	3.18E-04	1.00E-07	1.32E-08	3.25E-04	1.03E-07	1.35E-08	8.61E-08	5.06E-08
5018 487863.09, 3863377.25	2.12E-03	6.68E-07	8.81E-08	1.24E-03	3.93E-07	5.19E-08	3.34E-04	1.05E-07	1.39E-08	3.38E-04	1.07E-07	1.41E-08	8.83E-08	5.20E-08
5019 488363.09, 3863377.25	2.18E-03	6.87E-07	9.07E-08	1.28E-03	4.05E-07	5.35E-08	3.48E-04	1.10E-07	1.45E-08	3.51E-04	1.11E-07	1.46E-08	9.08E-08	5.36E-08
5020 488863.09, 3863377.25	2.35E-03	7.42E-07	9.79E-08	1.38E-03	4.35E-07	5.74E-08	3.63E-04	1.15E-07	1.51E-08	3.66E-04	1.15E-07	1.52E-08	9.80E-08	5.75E-08
5021 489363.09, 3863377.25	3.09E-03	9.75E-07	1.29E-07	1.75E-03	5.52E-07	7.28E-08	3.79E-04	1.20E-07	1.58E-08	3.82E-04	1.21E-07	1.59E-08	1.29E-07	7.29E-08
5022 489863.09, 3863377.25	2.98E-03	9.41E-07	1.24E-07	1.71E-03	5.39E-07	7.12E-08	3.98E-04	1.26E-07	1.66E-08	4.02E-04	1.27E-07	1.67E-08	1.24E-07	7.13E-08
5023 490363.09, 3863377.25	3.11E-03	9.82E-07	1.30E-07	1.78E-03	5.63E-07	7.43E-08	4.17E-04	1.32E-07	1.74E-08	4.24E-04	1.34E-07	1.77E-08	1.30E-07	7.46E-08
5024 490863.09, 3863377.25	3.12E-03	9.84E-07	1.30E-07	1.80E-03	5.68E-07	7.49E-08	4.34E-04	1.37E-07	1.81E-08	4.49E-04	1.42E-07	1.87E-08	1.31E-07	7.55E-08
5025 491363.09, 3863377.25	2.95E-03	9.32E-07	1.23E-07	1.73E-03	5.46E-07	7.21E-08	4.53E-04	1.43E-07	1.89E-08	4.75E-04	1.50E-07	1.98E-08	1.24E-07	7.30E-08
5026 491863.09, 3863377.25	2.83E-03	8.93E-07	1.18E-07	1.68E-03	5.32E-07	7.02E-08	4.76E-04	1.50E-07	1.98E-08	4.99E-04	1.58E-07	2.08E-08	1.19E-07	7.12E-08
5027 492363.09, 3863377.25	2.84E-03	8.96E-07	1.18E-07	1.70E-03	5.37E-07	7.09E-08	4.98E-04	1.57E-07	2.08E-08	5.17E-04	1.63E-07	2.16E-08	1.19E-07	7.17E-08
5028 492863.09, 3863377.25	2.90E-03	9.16E-07	1.21E-07	1.73E-03	5.46E-07	7.20E-08	4.90E-04	1.55E-07	2.04E-08	5.01E-04	1.58E-07	2.09E-08	1.21E-07	7.25E-08
5029 493363.09, 3863377.25	2.97E-03	9.39E-07	1.24E-07	1.75E-03	5.52E-07	7.29E-08	4.68E-04	1.48E-07	1.95E-08	4.80E-04	1.51E-07	2.00E-08	1.24E-07	7.34E-08
5030 493863.09, 3863377.25	3.03E-03	9.57E-07	1.26E-07	1.80E-03	5.67E-07	7.48E-08	4.95E-04	1.56E-07	2.06E-08	5.16E-04	1.63E-07	2.15E-08	1.27E-07	7.57E-08
5031 494363.09, 3863377.25	3.05E-03	9.63E-07	1.27E-07	1.84E-03	5.81E-07	7.67E-08	5.51E-04	1.74E-07	2.30E-08	5.76E-04	1.82E-07	2.40E-08	1.28E-07	7.77E-08
5032 494863.09, 3863377.25	3.09E-03	9.75E-07	1.29E-07	1.87E-03	5.89E-07	7.78E-08	5.62E-04	1.77E-07	2.34E-08	5.81E-04	1.83E-07	2.42E-08	1.30E-07	7.86E-08
5033 495363.09, 3863377.25	3.13E-03	9.88E-07	1.30E-07	1.88E-03	5.94E-07	7.84E-08	5.53E-04	1.75E-07	2.30E-08	5.68E-04	1.79E-07	2.37E-08	1.31E-07	7.90E-08
5034 495863.09, 3863377.25	3.21E-03	1.01E-06	1.34E-07	1.93E-03	6.08E-07	8.02E-08	5.62E-04	1.77E-07	2.34E-08	5.76E-04	1.82E-07	2.40E-08	1.34E-07	8.08E-08
5035 496363.09, 3863377.25	3.39E-03	1.07E-06	1.41E-07	2.16E-03	6.81E-07	8.98E-08	7.83E-04	2.47E-07	3.26E-08	8.11E-04	2.56E-07	3.38E-08	1.42E-07	9.10E-08
5036 496863.09, 3863377.25	3.37E-03	1.06E-06	1.40E-07	2.16E-03	6.82E-07	9.00E-08	8.08E-04	2.55E-07	3.37E-08	8.41E-04	2.65E-07	3.50E-08	1.42E-07	9.14E-08
5037 497363.09, 3863377.25	3.31E-03	1.05E-06	1.38E-07	2.13E-03	6.71E-07	8.86E-08	7.96E-04	2.51E-07	3.32E-08	8.31E-04	2.62E-07	3.46E-08	1.39E-07	9.00E-08
5038 497863.09, 3863377.25	3.25E-03	1.03E-06	1.36E-07	2.08E-03	6.57E-07	8.67E-08	7.71E-04	2.43E-07	3.21E-08	8.06E-04	2.54E-07	3.36E-08	1.37E-07	8.82E-08
5039 498363.09, 3863377.25	3.23E-03	1.02E-06	1.35E-07	2.07E-03	6.52E-07	8.61E-08	7.64E-04	2.41E-07	3.18E-08	8.00E-04	2.52E-07	3.33E-08	1.36E-07	8.75E-08
5040 471363.09, 3863877.25	1.81E-03	5.72E-07	7.55E-08	9.76E-04	3.08E-07	4.06E-08	1.44E-04	4.55E-08	6.00E-09	1.47E-04	4.64E-08	6.12E-09	7.57E-08	4.08E-08
5041 471863.09, 3863877.25	1.86E-03	5.87E-07	7.75E-08	1.00E-03	3.16E-07	4.17E-08	1.47E-04	4.65E-08	6.13E-09	1.50E-04	4.74E-08	6.26E-09	7.76E-08	4.18E-08
5042 472363.09, 3863877.25	1.89E-03	5.96E-07	7.87E-08	1.02E-03	3.21E-07	4.23E-08	1.49E-04	4.70E-08	6.20E-09	1.52E-04	4.79E-08	6.32E-09	7.89E-08	4.25E-08
5043 472863.09, 3863877.25	1.92E-03	6.06E-07	8.01E-08	1.03E-03	3.26E-07	4.31E-08	1.52E-04	4.80E-08	6.33E-09	1.55E-04	4.89E-08	6.46E-09	8.02E-08	4.32E-08
5044 473363.09, 3863877.25	1.94E-03	6.12E-07	8.08E-08	1.04E-03	3.29E-07	4.35E-08	1.55E-04	4.89E-08	6.46E-09	1.57E-04	4.95E-08	6.53E-09	8.09E-08	4.36E-08
5045 473863.09, 3863877.25	1.98E-03	6.26E-07	8.26E-08	1.07E-03	3.37E-07	4.45E-08	1.58E-04	4.99E-08	6.59E-09	1.60E-04	5.05E-08	6.66E-09	8.27E-08	4.46E-08
5046 474363.09, 3863877.25	2.00E-03	6.31E-07	8.33E-08	1.08E-03	3.40E-07	4.48E-08	1.60E-04	5.04E-08	6.66E-09	1.62E-04	5.10E-08	6.73E-09	8.34E-08	4.49E-08
5047 474863.09, 3863877.25	2.00E-03	6.32E-07	8.35E-08	1.08E-03	3.41E-07	4.50E-08	1.63E-04	5.14E-08	6.79E-09	1.65E-04	5.20E-08	6.87E-09	8.36E-08	4.51E-08
5048 475363.09, 3863877.25	2.04E-03	6.43E-07	8.48E-08	1.10E-03	3.47E-07	4.58E-08	1.66E-04	5.24E-08	6.92E-09	1.68E-04	5.31E-08	7.00E-09	8.49E-08	4.58E-08
5049 475863.09, 3863877.25	2.04E-03	6.44E-07	8.51E-08	1.10E-03	3.48E-07	4.59E-08	1.69E-04	5.34E-08	7.05E-09	1.71E-04	5.41E-08	7.14E-09	8.51E-08	4.60E-08
5050 476363.09, 3863877.25	2.08E-03	6.55E-07	8.65E-08	1.12E-03	3.54E-07	4.67E-08	1.72E-04	5.44E-08	7.18E-09	1.75E-04	5.51E-08	7.28E-09	8.66E-08	4.68E-08
5051 476863.09, 3863877.25	2.08E-03	6.57E-07	8.67E-08	1.13E-03	3.56E-07	4.69E-08	1.75E-04	5.54E-08	7.31E-09	1.78E-04	5.62E-08	7.41E-09	8.68E-08	4.70E-08
5052 477363.09, 3863877.25	2.13E-03	6.72E-07	8.87E-08	1.15E-03	3.63E-07	4.80E-08	1.79E-04	5.64E-08	7.44E-09	1.80E-04	5.67E-08	7.48E-09	8.87E-08	4.80E-08
5053 477863.09, 3863877.25	2.19E-03	6.90E-07	9.11E-08	1.18E-03	3.73E-07	4.92E-08	1.80E-04	5.69E-08	7.51E-09	1.83E-04	5.77E-08	7.62E-09	9.12E-08	4.93E-08
5054 478363.09, 3863877.25	2.26E-03	7.14E-07	9.43E-08	1.21E-03	3.83E-07	5.06E-08	1.75E-04	5.54E-08	7.31E-09	1.81E-04	5.72E-08	7.55E-09	9.45E-08	5.09E-08
5055 478863.09, 3863877.25	2.25E-03	7.10E-07	9.38E-08	1.22E-03	3.84E-07	5.07E-08	1.86E-04	5.88E-08	7.77E-09	1.89E-04	5.98E-08	7.89E-09	9.39E-08	5.08E-08
5056 479363.09, 3863877.25	2.25E-03	7.09E-07	9.36E-08	1.22E-03	3.84E-07	5.07E-08	1.93E-04	6.08E-08	8.03E-09	1.94E-04	6.13E-08	8.09E-09	9.36E-08	5.08E-08
5057 479863.09, 3863877.25	2.24E-03	7.07E-07	9.33E-08	1.22E-03	3.85E-07	5.08E-08	1.99E-04	6.28E-08	8.29E-09	2.01E-04	6.34E-08	8.36E-09	9.34E-08	5.09E-08
5058 480363.09, 3863877.25	2.23E-03	7.04E-07	9.30E-08	1.22E-03	3.84E-07	5.07E-08	2.04E-04	6.43E-08	8.48E-09	2.04E-04	6.44E-08	8.50E-09	9.30E-08	5.07E-08
5059 480863.09, 3863877.25	2.19E-03	6.92E-07	9.14E-08	1.20E-03	3.80E-07	5.01E-08	2.08E-04	6.58E-08	8.68E-09	2.11E-04	6.65E-08	8.77E-09	9.15E-08	5.02E-08
5060 481363.09, 3863877.25	2.17E-03	6.85E-07	9.05E-08	1.20E-03	3.77E-07	4.98E-08	2.15E-04	6.77E-08	8.94E-09	2.15E-04	6.80E-08	8.98E-09	9.05E-08	4.98E-08
5061 481863.09, 3863877.25	2.19E-03	6.92E-07	9.13E-08	1.21E-03	3.82E-07	5.04E-08	2.21E-04	6.97E-08	9.20E-09	2.22E-04	7.01E-08	9.25E-09	9.13E-08	5.04E-08
5062 482363.09, 3863877.25	2.21E-03	6.98E-07	9.21E-08	1.22E-03	3.86E-07	5.09E-08	2.26E-04	7.12E-08	9.40E-09	2.27E-04	7.16E-08	9.45E-09	9.22E-08	5.10E-08
5063 482863.09, 3863877.25	2.21E-03	6.96E-07	9.19E-08	1.22E-03	3.86E-07	5.09E-08	2.30E-04	7.27E-08	9.59E-09	2.32E-04	7.32E-08	9.66E-09	9.20E-08	5.10E-08
5064 483363.09, 3863877.25	2.20E-03	6.96E-07	9.18E-08	1.22E-03	3.86E-07	5.10E-08	2.35E-04	7.42E-08	9.79E-09	2.38E-04	7.52E-08	9.93E-09	9.20E-08	5.12E-08
5065 483863.09, 3863877.25	2.16E-03	6.81E-07	8.99E-08	1.21E-03	3.80E-07	5.02E-08	2.40E-04	7.56E-08	9.99E-09	2.43E-04	7.68E-08	1.01E-08	9.01E-08	5.04E-08
5066 484363.09, 3863877.25	2.05E-03	6.48E-07	8.56E-08	1.16E-03	3.66E-07	4.83E-08	2.46E-04	7.76E-08	1.02E-08	2.50E-04	7.88E-08	1.04E-08	8.58E-08	4.84E-08
5067 484863.09, 3863877.25	1.97E-03	6.23E-07	8.23E-08	1.12E-03	3.55E-07	4.68E-08	2.52E-04	7.96E-08	1.05E-08	2.58E-04	8.14E-08	1.07E-08	8.25E-08	4.71E-08
5068 485363.09, 3863877.25	1.92E-03	6.07E-07	8.02E-08	1.10E-03	3.48E-07	4.60E-08	2.58E-04	8.16E-08	1.08E-08	2.64E-04	8.35E-08	1.10E-08	8.04E-08	4.62E-08
5069 485863.09, 3863877.25	1.89E-03	5.97E-07	7.88E-08	1.09E-03	3.44E-07	4.55E-08	2.65E-04	8.36E-08	1.10E-08	2.71E-04	8.55E-08	1.13E-08	7.90E-08	4.57E-08
5070 486363.09, 3863877.25	1.80E-03	5.69E-07	7.51E-08	1.05E-03	3.32E-07	4.39E-08	2.71E-04	8.55E-08	1.13E-08	2.77E-04	8.76E-08	1.16E-08	7.54E-08	4.41E-08
5071 486863.09, 3863877.25	1.73E-03	5.45E-07	7.19E-08	1.02E-03	3.22E-07	4.25E-08	2.79E-04	8.80E-08	1.16E-08	2.86E-04	9.02E-08	1.19E-08	7.22E-08	4.28E-08
5072 487363.09, 3863877.25	1.71E-03	5.41E-07	7.14E-08	1.02E-03	3.22E-07	4.25E-08	2.88E-04	9.10E-08	1.20E-08	2.95E-04	9.32E-08	1.23E-08	7.17E-08	4.28E-08

5073 487863.09, 3863877.25	1.79E-03	5.66E-07	7.47E-08	1.07E-03	3.37E-07	4.44E-08	3.01E-04	9.49E-08	1.25E-08	3.07E-04	9.69E-08	1.28E-08	7.49E-08	4.47E-08
5074 488363.09, 3863877.25	1.85E-03	5.83E-07	7.69E-08	1.10E-03	3.47E-07	4.59E-08	3.13E-04	9.89E-08	1.31E-08	3.18E-04	1.00E-07	1.33E-08	7.71E-08	4.61E-08
5075 488863.09, 3863877.25	1.95E-03	6.15E-07	8.12E-08	1.16E-03	3.66E-07	4.83E-08	3.26E-04	1.03E-07	1.36E-08	3.30E-04	1.04E-07	1.37E-08	8.14E-08	4.84E-08
5076 489363.09, 3863877.25	2.13E-03	6.72E-07	8.87E-08	1.26E-03	3.96E-07	5.23E-08	3.40E-04	1.07E-07	1.42E-08	3.43E-04	1.08E-07	1.43E-08	8.88E-08	5.24E-08
5077 489863.09, 3863877.25	2.42E-03	7.62E-07	1.01E-07	1.40E-03	4.43E-07	5.85E-08	3.52E-04	1.11E-07	1.47E-08	3.56E-04	1.12E-07	1.48E-08	1.01E-07	5.86E-08
5078 490363.09, 3863877.25	2.65E-03	8.36E-07	1.10E-07	1.52E-03	4.81E-07	6.35E-08	3.65E-04	1.15E-07	1.52E-08	3.71E-04	1.17E-07	1.54E-08	1.11E-07	6.38E-08
5079 490863.09, 3863877.25	2.77E-03	8.73E-07	1.15E-07	1.59E-03	5.02E-07	6.62E-08	3.76E-04	1.19E-07	1.57E-08	3.85E-04	1.22E-07	1.60E-08	1.16E-07	6.66E-08
5080 491363.09, 3863877.25	2.68E-03	8.46E-07	1.12E-07	1.55E-03	4.90E-07	6.47E-08	3.85E-04	1.22E-07	1.61E-08	4.00E-04	1.26E-07	1.67E-08	1.12E-07	6.53E-08
5081 491863.09, 3863877.25	2.54E-03	8.03E-07	1.06E-07	1.48E-03	4.69E-07	6.18E-08	3.81E-04	1.20E-07	1.59E-08	4.00E-04	1.26E-07	1.67E-08	1.07E-07	6.26E-08
5082 492363.09, 3863877.25	2.46E-03	7.77E-07	1.03E-07	1.42E-03	4.47E-07	5.90E-08	3.37E-04	1.06E-07	1.40E-08	3.57E-04	1.13E-07	1.49E-08	1.03E-07	5.98E-08
5083 492863.09, 3863877.25	2.42E-03	7.65E-07	1.01E-07	1.37E-03	4.34E-07	5.72E-08	3.01E-04	9.49E-08	1.25E-08	3.17E-04	9.99E-08	1.32E-08	1.02E-07	5.79E-08
5084 493363.09, 3863877.25	2.48E-03	7.82E-07	1.03E-07	1.41E-03	4.45E-07	5.87E-08	3.16E-04	9.99E-08	1.32E-08	3.20E-04	1.01E-07	1.33E-08	1.03E-07	5.89E-08
5085 493863.09, 3863877.25	2.53E-03	7.98E-07	1.05E-07	1.45E-03	4.58E-07	6.05E-08	3.41E-04	1.08E-07	1.42E-08	3.44E-04	1.09E-07	1.43E-08	1.05E-07	6.06E-08
5086 494363.09, 3863877.25	2.56E-03	8.08E-07	1.07E-07	1.48E-03	4.68E-07	6.17E-08	3.67E-04	1.16E-07	1.53E-08	3.82E-04	1.21E-07	1.59E-08	1.07E-07	6.24E-08
5087 494863.09, 3863877.25	2.56E-03	8.07E-07	1.07E-07	1.49E-03	4.69E-07	6.19E-08	3.74E-04	1.18E-07	1.56E-08	3.95E-04	1.25E-07	1.65E-08	1.07E-07	6.28E-08
5088 495363.09, 3863877.25	2.58E-03	8.13E-07	1.07E-07	1.50E-03	4.75E-07	6.27E-08	3.88E-04	1.23E-07	1.62E-08	4.03E-04	1.27E-07	1.68E-08	1.08E-07	6.33E-08
5089 495863.09, 3863877.25	2.61E-03	8.23E-07	1.09E-07	1.52E-03	4.81E-07	6.34E-08	3.93E-04	1.24E-07	1.64E-08	4.02E-04	1.27E-07	1.67E-08	1.09E-07	6.38E-08
5090 496363.09, 3863877.25	2.66E-03	8.38E-07	1.11E-07	1.58E-03	4.99E-07	6.58E-08	4.45E-04	1.40E-07	1.85E-08	4.55E-04	1.44E-07	1.90E-08	1.11E-07	6.63E-08
5091 496863.09, 3863877.25	2.71E-03	8.57E-07	1.13E-07	1.64E-03	5.19E-07	6.85E-08	5.01E-04	1.58E-07	2.09E-08	5.16E-04	1.63E-07	2.15E-08	1.14E-07	6.91E-08
5092 497363.09, 3863877.25	2.72E-03	8.58E-07	1.13E-07	1.66E-03	5.23E-07	6.90E-08	5.15E-04	1.63E-07	2.15E-08	5.32E-04	1.68E-07	2.22E-08	1.14E-07	6.97E-08
5093 497863.09, 3863877.25	2.68E-03	8.46E-07	1.12E-07	1.63E-03	5.15E-07	6.80E-08	5.06E-04	1.60E-07	2.11E-08	5.26E-04	1.66E-07	2.19E-08	1.13E-07	6.88E-08
5094 498363.09, 3863877.25	2.61E-03	8.23E-07	1.09E-07	1.59E-03	5.00E-07	6.61E-08	4.90E-04	1.55E-07	2.04E-08	5.11E-04	1.61E-07	2.13E-08	1.09E-07	6.69E-08
5095 471363.09, 3864377.25	1.74E-03	5.49E-07	7.25E-08	9.38E-04	2.96E-07	3.91E-08	1.41E-04	4.45E-08	5.87E-09	1.44E-04	4.53E-08	5.98E-09	7.26E-08	3.92E-08
5096 471863.09, 3864377.25	1.77E-03	5.59E-07	7.37E-08	9.54E-04	3.01E-07	3.97E-08	1.43E-04	4.50E-08	5.94E-09	1.45E-04	4.59E-08	6.05E-09	7.39E-08	3.98E-08
5097 472363.09, 3864377.25	1.80E-03	5.69E-07	7.50E-08	9.71E-04	3.06E-07	4.04E-08	1.46E-04	4.60E-08	6.07E-09	1.49E-04	4.69E-08	6.19E-09	7.52E-08	4.06E-08
5098 472863.09, 3864377.25	1.82E-03	5.74E-07	7.58E-08	9.81E-04	3.10E-07	4.09E-08	1.49E-04	4.70E-08	6.20E-09	1.50E-04	4.74E-08	6.26E-09	7.58E-08	4.09E-08
5099 473363.09, 3864377.25	1.83E-03	5.79E-07	7.64E-08	9.90E-04	3.12E-07	4.12E-08	1.50E-04	4.75E-08	6.27E-09	1.53E-04	4.84E-08	6.39E-09	7.65E-08	4.14E-08
5100 473863.09, 3864377.25	1.85E-03	5.84E-07	7.72E-08	1.00E-03	3.16E-07	4.17E-08	1.54E-04	4.85E-08	6.40E-09	1.55E-04	4.89E-08	6.46E-09	7.72E-08	4.17E-08
5101 474363.09, 3864377.25	1.85E-03	5.85E-07	7.73E-08	1.00E-03	3.17E-07	4.18E-08	1.55E-04	4.89E-08	6.46E-09	1.58E-04	5.00E-08	6.60E-09	7.74E-08	4.19E-08
5102 474863.09, 3864377.25	1.86E-03	5.87E-07	7.75E-08	1.01E-03	3.18E-07	4.20E-08	1.58E-04	4.99E-08	6.59E-09	1.60E-04	5.05E-08	6.66E-09	7.76E-08	4.20E-08
5103 475363.09, 3864377.25	1.88E-03	5.93E-07	7.82E-08	1.02E-03	3.21E-07	4.24E-08	1.60E-04	5.04E-08	6.66E-09	1.63E-04	5.15E-08	6.80E-09	7.84E-08	4.25E-08
5104 475863.09, 3864377.25	1.88E-03	5.94E-07	7.85E-08	1.02E-03	3.22E-07	4.26E-08	1.63E-04	5.14E-08	6.79E-09	1.66E-04	5.25E-08	6.94E-09	7.86E-08	4.27E-08
5105 476363.09, 3864377.25	1.90E-03	6.01E-07	7.93E-08	1.03E-03	3.26E-07	4.31E-08	1.66E-04	5.24E-08	6.92E-09	1.68E-04	5.31E-08	7.00E-09	7.94E-08	4.31E-08
5106 476863.09, 3864377.25	1.94E-03	6.11E-07	8.07E-08	1.05E-03	3.32E-07	4.38E-08	1.69E-04	5.34E-08	7.05E-09	1.71E-04	5.41E-08	7.14E-09	8.07E-08	4.39E-08
5107 477363.09, 3864377.25	1.96E-03	6.17E-07	8.15E-08	1.06E-03	3.36E-07	4.43E-08	1.74E-04	5.49E-08	7.24E-09	1.75E-04	5.51E-08	7.28E-09	8.15E-08	4.44E-08
5108 477863.09, 3864377.25	1.99E-03	6.27E-07	8.28E-08	1.08E-03	3.41E-07	4.51E-08	1.77E-04	5.59E-08	7.37E-09	1.78E-04	5.62E-08	7.41E-09	8.28E-08	4.51E-08
5109 478363.09, 3864377.25	2.02E-03	6.37E-07	8.40E-08	1.10E-03	3.46E-07	4.57E-08	1.79E-04	5.64E-08	7.44E-09	1.81E-04	5.72E-08	7.55E-09	8.42E-08	4.58E-08
5110 478863.09, 3864377.25	2.04E-03	6.43E-07	8.48E-08	1.11E-03	3.50E-07	4.62E-08	1.82E-04	5.74E-08	7.57E-09	1.84E-04	5.82E-08	7.68E-09	8.49E-08	4.63E-08
5111 479363.09, 3864377.25	2.04E-03	6.44E-07	8.50E-08	1.11E-03	3.51E-07	4.63E-08	1.85E-04	5.83E-08	7.70E-09	1.88E-04	5.92E-08	7.82E-09	8.51E-08	4.65E-08
5112 479863.09, 3864377.25	2.03E-03	6.41E-07	8.46E-08	1.11E-03	3.51E-07	4.63E-08	1.90E-04	5.98E-08	7.90E-09	1.91E-04	6.03E-08	7.96E-09	8.47E-08	4.63E-08
5113 480363.09, 3864377.25	2.01E-03	6.33E-07	8.36E-08	1.10E-03	3.47E-07	4.59E-08	1.93E-04	6.08E-08	8.03E-09	1.94E-04	6.13E-08	8.09E-09	8.36E-08	4.59E-08
5114 480863.09, 3864377.25	1.95E-03	6.16E-07	8.13E-08	1.08E-03	3.40E-07	4.49E-08	1.96E-04	6.18E-08	8.16E-09	1.99E-04	6.29E-08	8.30E-09	8.15E-08	4.50E-08
5115 481363.09, 3864377.25	1.93E-03	6.10E-07	8.05E-08	1.07E-03	3.38E-07	4.46E-08	2.02E-04	6.38E-08	8.42E-09	2.04E-04	6.44E-08	8.50E-09	8.05E-08	4.47E-08
5116 481863.09, 3864377.25	1.95E-03	6.16E-07	8.14E-08	1.08E-03	3.42E-07	4.52E-08	2.08E-04	6.58E-08	8.68E-09	2.09E-04	6.59E-08	8.70E-09	8.14E-08	4.52E-08
5117 482363.09, 3864377.25	1.96E-03	6.18E-07	8.16E-08	1.09E-03	3.44E-07	4.54E-08	2.11E-04	6.67E-08	8.81E-09	2.14E-04	6.75E-08	8.91E-09	8.17E-08	4.55E-08
5118 482863.09, 3864377.25	1.95E-03	6.16E-07	8.14E-08	1.09E-03	3.44E-07	4.54E-08	2.15E-04	6.77E-08	8.94E-09	2.19E-04	6.90E-08	9.11E-09	8.15E-08	4.56E-08
5119 483363.09, 3864377.25	1.94E-03	6.11E-07	8.06E-08	1.08E-03	3.42E-07	4.52E-08	2.19E-04	6.92E-08	9.14E-09	2.24E-04	7.06E-08	9.32E-09	8.08E-08	4.53E-08
5120 483863.09, 3864377.25	1.87E-03	5.91E-07	7.80E-08	1.06E-03	3.33E-07	4.40E-08	2.24E-04	7.07E-08	9.33E-09	2.29E-04	7.21E-08	9.52E-09	7.82E-08	4.42E-08
5121 484363.09, 3864377.25	1.78E-03	5.61E-07	7.41E-08	1.01E-03	3.20E-07	4.22E-08	2.29E-04	7.22E-08	9.53E-09	2.33E-04	7.37E-08	9.72E-09	7.43E-08	4.24E-08
5122 484863.09, 3864377.25	1.71E-03	5.41E-07	7.14E-08	9.86E-04	3.11E-07	4.11E-08	2.35E-04	7.42E-08	9.79E-09	2.40E-04	7.57E-08	1.00E-08	7.16E-08	4.13E-08
5123 485363.09, 3864377.25	1.69E-03	5.34E-07	7.05E-08	9.80E-04	3.09E-07	4.08E-08	2.41E-04	7.61E-08	1.01E-08	2.46E-04	7.78E-08	1.03E-08	7.07E-08	4.10E-08
5124 485863.09, 3864377.25	1.65E-03	5.19E-07	6.86E-08	9.61E-04	3.03E-07	4.00E-08	2.48E-04	7.81E-08	1.03E-08	2.53E-04	7.99E-08	1.05E-08	6.88E-08	4.03E-08
5125 486363.09, 3864377.25	1.57E-03	4.96E-07	6.54E-08	9.27E-04	2.93E-07	3.86E-08	2.52E-04	7.96E-08	1.05E-08	2.60E-04	8.19E-08	1.08E-08	6.57E-08	3.89E-08
5126 486863.09, 3864377.25	1.49E-03	4.71E-07	6.22E-08	8.93E-04	2.82E-07	3.72E-08	2.58E-04	8.16E-08	1.08E-08	2.66E-04	8.40E-08	1.11E-08	6.25E-08	3.75E-08
5127 487363.09, 3864377.25	1.48E-03	4.66E-07	6.15E-08	8.90E-04	2.81E-07	3.71E-08	2.66E-04	8.41E-08	1.11E-08	2.73E-04	8.60E-08	1.14E-08	6.17E-08	3.73E-08
5128 487863.09, 3864377.25	1.53E-03	4.84E-07	6.39E-08	9.23E-04	2.91E-07	3.85E-08	2.74E-04	8.65E-08	1.14E-08	2.81E-04	8.86E-08	1.17E-08	6.41E-08	3.87E-08
5129 488363.09, 3864377.25	1.60E-03	5.04E-07	6.65E-08	9.60E-04	3.03E-07	4.00E-08	2.84E-04	8.95E-08	1.18E-08	2.87E-04	9.07E-08	1.20E-08	6.66E-08	4.01E-08
5130 488863.09, 3864377.25	1.67E-03	5.28E-07	6.97E-08	1.00E-03	3.16E-07	4.17E-08	2.91E-04	9.20E-08	1.21E-08	2.95E-04	9.32E-08	1.23E-08	6.98E-08	4.19E-08
5131 489363.09, 3864377.25	1.78E-03	5.61E-07	7.41E-08	1.06E-03	3.34E-07	4.41E-08	2.99E-04	9.44E-08	1.25E-08	3.02E-04	9.53E-08	1.26E-08	7.42E-08	4.42E-08
5132 489863.09, 3864377.25	2.01E-03	6.33E-07	8.36E-08	1.17E-03	3.71E-07	4.89E-08	3.07E-04	9.69E-08	1.28E-08	3.10E-04	9.79E-08	1.29E-08	8.37E-08	4.91E-08
5133 490363.09, 3864377.25	2.25E-03	7.09E-07	9.36E-08	1.30E-03	4.10E-07	5.41E-08	3.16E-04	9.99E-08	1.32E-08	3.18E-04	1.00E-07	1.33E-08	9.37E-08	5.42E-08
5134 490863.09, 3864377.25	2.44E-03	7.69E-07	1.02E-07	1.39E-03	4.40E-07	5.81E-08	3.23E-04	1.02E-07	1.34E-08	3.28E-04	1.04E-07	1.37E-08	1.02E-07	5.83E-08
5135 491363.09, 3864377.25	2.54E-03	8.01E-07	1.06E-07	1.43E-03	4.53E-07	5.97E-08	3.07E-04	9.69E-08	1.28E-08	3.15E-04	9.94E-08	1.31E-08	1.06E-07	6.01E-08
5136 491863.09, 3864377.25	2.25E-03	7.09E-07	9.36E-08	1.21E-03	3.81E-07	5.03E-08	1.79E-04	5.64E-08	7.44E-09	1.98E-04	6.23E-08	8.23E-09	9.44E-08	5.11E-08
5137 492363.09, 3864377.25	2.27E-03	7.16E-07	9.45E-08	1.25E-03	3.94E-07	5.20E-08	2.26E-04	7.12E-08	9.40E-09	2.46E-04	7.78E-08	1.03E-08	9.53E-08	5.29E-08
5138 492863.09, 3864377.25	2.00E-03	6.31E-07	8.32E-08	1.09E-03	3.45E-07	4.55E-08	1.85E-04	5.83E-08	7.70E-09	2.06E-04	6.49E-08	8.57E-09	8.41E-08	4.64E-08
5139 493363.09, 3864377.25	2.11E-03	6.67E-07	8.80E-08	1.17E-03	3.68E-07	4.86E-08	2.16E-04	6.82E-08	9.01E-09	2.27E-04	7.16E-08	9.45E-09	8.84E-08	4.91E-08
5140 493863.09, 3864377.25	2.15E-03	6.80E-07	8.97E-08	1.21E-03	3.83E-07	5.05E-08	2.54E-04	8.01E-08	1.06E-08	2.53E-04	7.99E-08	1.05E-08	8.97E-08	5.05E-08
5141 494363.09, 3864377.25	2.20E-03	6.93E-07	9.15E-08	1.25E-03	3.94E-07	5.20E-08	2.79E-04	8.80E-08	1.16E-08	2.81E-04	8.86E-08	1.17E-08	9.15E-08	5.21E-08
5142 494863.09, 3864377.25	2.21E-03	6.96E-07	9.19E-08	1.27E-03	3.99E-07	5.27E-08	2.98E-04	9.39E-08	1.24E-08	3.10E-04	9.79E-08	1.29E-08	9.24E-08	5.32E-08
5143 495363.09, 3864377.25	2.21E-03	6.97E-07	9.20E-08	1.27E-03	4.00E-07	5.28E-08	2.98E-04	9.39E-08	1.24E-08	3.15E-04	9.94E-08	1.31E-08	9.27E-08	5.35E-08
5144 495863.09, 3864377.25	2.21E-03	6.99E-07	9.22E-08	1.27E-03	4.01E-07	5.30E-08	3.01E-04	9.49E-08	1.25E-08	3.13E-04	9.89E-08	1.31E-08	9.27E-08	5.35E-08
5145 496363.09, 3864377.25	2.23E-03	7.05E-07	9.30E-08	1.29E-03	4.08E-07	5.38E-08	3.18E-04	1.00E-07	1.32E-08	3.26E-04	1.03E-07	1.36E-08	9.34E-08	5.42E-08
5146 496863.09, 3864377.25	2.26E-03	7.12E-07	9.40E-08	1.31E-03	4.13E-07	5.46E-08	3.27E-04	1.03E-07	1.36E-08	3.35E-04	1.06E-07	1.39E-08	9.43E-08	5.49E-08
5147 497363.09, 3864377.25	2.29E-03	7.24E-07	9.56E-08	1.35E-03	4.25E-07	5.61E-08	3.57E-04	1.13E-07	1.49E-08	3.64E-04	1.15E-07	1.52E-08	9.58E-08	5.64E-08
5148 497863.09, 3864377.25	2.33E-03	7.35E-07	9.70E-08	1.37E-03	4.31E-07	5.70E-08	3.62E-04	1.14E-07	1.51E-08	3.71E-04	1.17E-07	1.54E-08	9.74E-08	5.73E-08
5149 498363.09, 3864377.25	2.31E-03	7.30E-07	9.64E-08	1.37E-03	4.33E-07	5.72E-08	3.82E-04	1.21E-07	1.59E-08	3.93E-04	1.24E-07	1.64E-08	9.69E-08	5.77E-08
5150 471363.09, 3864877.25	1.65E-03	5.21E-07	6.88E-08	8.91E-04	2.81E-07	3.71E-08	1.36E-04	4.30E-08	5.68E-09	1.40E-04	4.43E-08	5.85E-09	6.89E-08	3.73E-08
5151 471863.09, 3864877.25	1.68E-03	5.31E-07	7.00E-08	9.08E-04	2.87E-07	3.78E-08	1.39E-04	4.40E-08	5.81E-09	1.42E-04	4.48E-08	5.92E-09	7.01E-08	3.79E-08
5152 472363.09, 3864877.25	1.70E-03	5.35E-07	7.07E-08	9.17E-04	2.89E-07	3.82E-08	1.41E-04	4.45E-08	5.87E-09	1.44E-04	4.53E-08	5.98E-09	7.08E-08	3.83E-08
5153 472863.09, 3864877.25	1.71E-03	5.41E-07	7.14E-08	9.27E-04	2.93E-07	3.86E-08	1.44E-04	4.55E-08	6.00E-09	1.47E-04	4.64E-08	6.12E-09	7.15E-08	3.88E-08
5154 473363.09, 3864877.25	1.72E-03	5.42E-07	7.15E-08	9.30E-04	2.93E-07	3.87E-08	1.46E-04	4.60E-08	6.07E-09	1.49E-04	4.69E-08	6.19E-09	7.16E-08	3.89E-08
5155 473863.09, 3864877.25	1.72E-03	5.43E-07	7.17E-08	9.34E-04	2.95E-07	3.89E-08	1.49E-04	4.70E-08	6.20E-09	1.50E-04	4.74E-08	6.26E-09	7.18E-08	3.90E-08
5156 474363.09, 3864877.25	1.73E-03	5.45E-07	7.19E-08	9.37E-04	2.96E-07	3.90E-08	1.50E-04	4.75E-08	6.27E-09	1.52E-04	4.79E-08	6.32E-09	7.19E-08	3.91E-08
5157 474863.09, 3864877.25	1.73E-03	5.46E-07	7.20E-08	9.40E-04	2.97E-07	3.91E-08	1.52E-04	4.80E-08	6.33E-09	1.55E-04	4.89E-08	6.46E-09	7.22E-08	3.93E-08
5158 475363.09, 3864877.25	1.73E-03	5.47E-07	7.23E-08	9.44E-04	2.98E-07	3.93E-08	1.55E-04	4.89E-08	6.46E-09	1.57E-04	4.95E-08	6.53E-09	7.23E-08	3.94E-08
5159 475863.09, 3864877.25	1.74E-03	5.49E-07	7.25E-08	9.49E-04	3.00E-07	3.95E-08	1.58E-04	4.99E-08	6.59E-09	1.60E-04	5.05E-08	6.66E-09	7.26E-08	3.96E-08
5160 476363.09, 3864877.25	1.77E-03	5.59E-07	7.38E-08	9.67E-04	3.05E-07	4.03E-08	1.61E-04	5.09E-08	6.72E-09	1.62E-04	5.10E-08	6.73E-09	7.39E-08	4.03E-08
5161 476863.09, 3864877.25	1.80E-03	5.69E-07	7.51E-08	9.82E-04	3.10E-07	4.09E-08	1.63E-04	5.14E-08	6.79E-09	1.65E-04	5.20E-08	6.87E-09	7.52E-08	4.10E-08
5162 477363.09, 3864877.25	1.83E-03	5.79E-07	7.64E-08	1.00E-03	3.15E-07	4.16E-08	1.66E-04	5.24E-08	6.92E-09	1.68E-04	5.31E-08	7.00E-09	7.65E-08	4.17E-08
5163 477863.09, 3864877.25	1.85E-03	5.84E-07	7.71E-08	1.01E-03	3.19E-07	4.21E-08	1.69E-04	5.34E-08	7.05E-09	1.70E-04	5.36E-08	7.07E-09	7.72E-08	4.21E-08
5164 478363.09, 3864877.25	1.85E-03	5.85E-07	7.72E-08	1.01E-03	3.20E-07	4.22E-08	1.71E-04	5.39E-08	7.11E-09	1.73E-04	5.46E-08	7.21E-09	7.73E-08	4.23E-08
5165 478863.09, 3864877.25	1.86E-03	5.87E-07	7.74E-08	1.02E-03	3.21E-07	4.24E-08	1.74E-04	5.49E-08	7.24E-09	1.76E-04	5.56E-08	7.34E-09	7.75E-08	4.25E-08
5166 479363.09, 3864877.25	1.85E-03	5.83E-07	7.70E-08	1.01E-03	3.20E-07	4.22E-08	1.77E-04	5.59E-08	7.37E-09	1.80E-04	5.67E-08	7.48E-09	7.71E-08	4.23E-08

5167	479863.09, 3864877.25	1.82E-03	5.75E-07	7.59E-08	1.00E-03	3.17E-07	4.18E-08	1.80E-04	5.69E-08	7.51E-09	1.83E-04	5.77E-08	7.62E-09	7.60E-08	4.19E-08
5168	480363.09, 3864877.25	1.80E-03	5.67E-07	7.48E-08	9.93E-04	3.13E-07	4.14E-08	1.83E-04	5.78E-08	7.64E-09	1.86E-04	5.87E-08	7.75E-09	7.50E-08	4.15E-08
5169	480863.09, 3864877.25	1.74E-03	5.50E-07	7.27E-08	9.69E-04	3.06E-07	4.04E-08	1.86E-04	5.88E-08	7.77E-09	1.89E-04	5.98E-08	7.89E-09	7.28E-08	4.05E-08
5170	481363.09, 3864877.25	1.74E-03	5.48E-07	7.24E-08	9.70E-04	3.06E-07	4.04E-08	1.93E-04	6.08E-08	8.03E-09	1.94E-04	6.13E-08	8.09E-09	7.25E-08	4.05E-08
5171	481863.09, 3864877.25	1.74E-03	5.51E-07	7.27E-08	9.77E-04	3.08E-07	4.07E-08	1.97E-04	6.23E-08	8.22E-09	1.99E-04	6.29E-08	8.30E-09	7.28E-08	4.08E-08
5172	482363.09, 3864877.25	1.75E-03	5.53E-07	7.30E-08	9.82E-04	3.10E-07	4.09E-08	2.01E-04	6.33E-08	8.35E-09	2.02E-04	6.39E-08	8.43E-09	7.31E-08	4.10E-08
5173	482863.09, 3864877.25	1.75E-03	5.51E-07	7.28E-08	9.81E-04	3.10E-07	4.09E-08	2.04E-04	6.43E-08	8.48E-09	2.07E-04	6.54E-08	8.64E-09	7.29E-08	4.10E-08
5174	483363.09, 3864877.25	1.71E-03	5.41E-07	7.14E-08	9.68E-04	3.06E-07	4.03E-08	2.08E-04	6.58E-08	8.68E-09	2.11E-04	6.65E-08	8.77E-09	7.14E-08	4.04E-08
5175	483863.09, 3864877.25	1.65E-03	5.19E-07	6.86E-08	9.37E-04	2.96E-07	3.91E-08	2.11E-04	6.67E-08	8.81E-09	2.15E-04	6.80E-08	8.98E-09	6.87E-08	3.92E-08
5176	484363.09, 3864877.25	1.58E-03	4.98E-07	6.57E-08	9.06E-04	2.86E-07	3.77E-08	2.15E-04	6.77E-08	8.94E-09	2.20E-04	6.95E-08	9.18E-09	6.59E-08	3.80E-08
5177	484863.09, 3864877.25	1.53E-03	4.81E-07	6.35E-08	8.84E-04	2.79E-07	3.68E-08	2.19E-04	6.92E-08	9.14E-09	2.25E-04	7.11E-08	9.38E-09	6.38E-08	3.71E-08
5178	485363.09, 3864877.25	1.51E-03	4.75E-07	6.27E-08	8.79E-04	2.77E-07	3.66E-08	2.26E-04	7.12E-08	9.40E-09	2.30E-04	7.26E-08	9.59E-09	6.29E-08	3.68E-08
5179	485863.09, 3864877.25	1.45E-03	4.59E-07	6.06E-08	8.55E-04	2.70E-07	3.56E-08	2.29E-04	7.22E-08	9.53E-09	2.35E-04	7.42E-08	9.79E-09	6.08E-08	3.59E-08
5180	486363.09, 3864877.25	1.39E-03	4.39E-07	5.80E-08	8.27E-04	2.61E-07	3.45E-08	2.32E-04	7.32E-08	9.66E-09	2.38E-04	7.52E-08	9.93E-09	5.82E-08	3.47E-08
5181	486863.09, 3864877.25	1.31E-03	4.13E-07	5.45E-08	7.89E-04	2.49E-07	3.29E-08	2.35E-04	7.42E-08	9.79E-09	2.43E-04	7.68E-08	1.01E-08	5.49E-08	3.32E-08
5182	487363.09, 3864877.25	1.30E-03	4.10E-07	5.42E-08	7.88E-04	2.49E-07	3.28E-08	2.40E-04	7.56E-08	9.99E-09	2.48E-04	7.83E-08	1.03E-08	5.45E-08	3.32E-08
5183	487863.09, 3864877.25	1.33E-03	4.19E-07	5.53E-08	8.05E-04	2.54E-07	3.36E-08	2.46E-04	7.76E-08	1.02E-08	2.53E-04	7.99E-08	1.05E-08	5.56E-08	3.38E-08
5184	488363.09, 3864877.25	1.38E-03	4.34E-07	5.73E-08	8.33E-04	2.63E-07	3.47E-08	2.54E-04	8.01E-08	1.06E-08	2.60E-04	8.19E-08	1.08E-08	5.75E-08	3.50E-08
5185	488863.09, 3864877.25	1.44E-03	4.53E-07	5.98E-08	8.67E-04	2.74E-07	3.61E-08	2.60E-04	8.21E-08	1.08E-08	2.64E-04	8.35E-08	1.10E-08	6.00E-08	3.63E-08
5186	489363.09, 3864877.25	1.53E-03	4.82E-07	6.36E-08	9.15E-04	2.89E-07	3.81E-08	2.66E-04	8.41E-08	1.11E-08	2.68E-04	8.45E-08	1.12E-08	6.36E-08	3.82E-08
5187	489863.09, 3864877.25	1.70E-03	5.35E-07	7.07E-08	1.00E-03	3.16E-07	4.17E-08	2.71E-04	8.55E-08	1.13E-08	2.73E-04	8.60E-08	1.14E-08	7.07E-08	4.17E-08
5188	490363.09, 3864877.25	1.92E-03	6.06E-07	8.00E-08	1.11E-03	3.51E-07	4.64E-08	2.77E-04	8.75E-08	1.16E-08	2.79E-04	8.81E-08	1.16E-08	8.01E-08	4.65E-08
5189	490863.09, 3864877.25	2.26E-03	7.12E-07	9.40E-08	1.25E-03	3.96E-07	5.23E-08	2.41E-04	7.61E-08	1.01E-08	2.40E-04	7.57E-08	1.00E-08	9.40E-08	5.22E-08
5190	491363.09, 3864877.25	2.33E-03	7.36E-07	9.71E-08	1.31E-03	4.13E-07	5.46E-08	2.71E-04	8.55E-08	1.13E-08	2.77E-04	8.76E-08	1.16E-08	9.74E-08	5.48E-08
5191	491863.09, 3864877.25	2.32E-03	7.32E-07	9.67E-08	1.28E-03	4.04E-07	5.33E-08	2.33E-04	7.37E-08	9.72E-09	2.42E-04	7.62E-08	1.01E-08	9.70E-08	5.37E-08
5192	492363.09, 3864877.25	1.57E-03	4.96E-07	6.55E-08	8.57E-04	2.71E-07	3.57E-08	1.43E-04	4.50E-08	5.94E-09	1.57E-04	4.95E-08	6.53E-09	6.61E-08	3.63E-08
5193	492863.09, 3864877.25	1.67E-03	5.28E-07	6.97E-08	9.12E-04	2.88E-07	3.80E-08	1.52E-04	4.80E-08	6.33E-09	1.71E-04	5.41E-08	7.14E-09	7.05E-08	3.88E-08
5194	493363.09, 3864877.25	1.57E-03	4.97E-07	6.56E-08	8.63E-04	2.72E-07	3.60E-08	1.50E-04	4.75E-08	6.27E-09	1.63E-04	5.15E-08	6.80E-09	6.61E-08	3.65E-08
5195	493863.09, 3864877.25	1.86E-03	5.88E-07	7.76E-08	1.03E-03	3.27E-07	4.31E-08	1.97E-04	6.23E-08	8.22E-09	2.07E-04	6.54E-08	8.64E-09	7.81E-08	4.35E-08
5196	494363.09, 3864877.25	1.90E-03	5.99E-07	7.91E-08	1.07E-03	3.38E-07	4.46E-08	2.29E-04	7.22E-08	9.53E-09	2.30E-04	7.26E-08	9.59E-09	7.91E-08	4.47E-08
5197	494863.09, 3864877.25	1.91E-03	6.02E-07	7.95E-08	1.08E-03	3.42E-07	4.51E-08	2.40E-04	7.56E-08	9.99E-09	2.40E-04	7.57E-08	1.00E-08	7.95E-08	4.51E-08
5198	495363.09, 3864877.25	1.93E-03	6.09E-07	8.04E-08	1.10E-03	3.47E-07	4.57E-08	2.46E-04	7.76E-08	1.02E-08	2.55E-04	8.04E-08	1.06E-08	8.08E-08	4.61E-08
5199	495863.09, 3864877.25	1.93E-03	6.08E-07	8.02E-08	1.11E-03	3.49E-07	4.61E-08	2.62E-04	8.26E-08	1.09E-08	2.74E-04	8.65E-08	1.14E-08	8.07E-08	4.66E-08
5200	496363.09, 3864877.25	1.95E-03	6.15E-07	8.12E-08	1.11E-03	3.50E-07	4.62E-08	2.48E-04	7.81E-08	1.03E-08	2.61E-04	8.24E-08	1.09E-08	8.18E-08	4.68E-08
5201	496863.09, 3864877.25	1.96E-03	6.18E-07	8.15E-08	1.12E-03	3.52E-07	4.65E-08	2.54E-04	8.01E-08	1.06E-08	2.61E-04	8.24E-08	1.09E-08	8.18E-08	4.68E-08
5202	497363.09, 3864877.25	1.98E-03	6.25E-07	8.25E-08	1.13E-03	3.58E-07	4.72E-08	2.63E-04	8.31E-08	1.10E-08	2.68E-04	8.45E-08	1.12E-08	8.27E-08	4.74E-08
5203	497863.09, 3864877.25	2.02E-03	6.38E-07	8.42E-08	1.16E-03	3.66E-07	4.83E-08	2.74E-04	8.65E-08	1.14E-08	2.77E-04	8.76E-08	1.16E-08	8.43E-08	4.85E-08
5204	498363.09, 3864877.25	2.04E-03	6.42E-07	8.48E-08	1.18E-03	3.73E-07	4.92E-08	2.96E-04	9.34E-08	1.23E-08	3.02E-04	9.53E-08	1.26E-08	8.50E-08	4.95E-08
5205	471363.09, 3865377.25	1.58E-03	4.97E-07	6.56E-08	8.53E-04	2.69E-07	3.55E-08	1.33E-04	4.20E-08	5.55E-09	1.35E-04	4.28E-08	5.64E-09	6.57E-08	3.56E-08
5206	471863.09, 3865377.25	1.59E-03	5.02E-07	6.63E-08	8.61E-04	2.72E-07	3.59E-08	1.35E-04	4.25E-08	5.61E-09	1.37E-04	4.33E-08	5.71E-09	6.64E-08	3.60E-08
5207	472363.09, 3865377.25	1.59E-03	5.03E-07	6.64E-08	8.63E-04	2.73E-07	3.60E-08	1.36E-04	4.30E-08	5.68E-09	1.39E-04	4.38E-08	5.78E-09	6.65E-08	3.61E-08
5208	472863.09, 3865377.25	1.61E-03	5.09E-07	6.71E-08	8.75E-04	2.76E-07	3.64E-08	1.39E-04	4.40E-08	5.81E-09	1.42E-04	4.48E-08	5.92E-09	6.73E-08	3.65E-08
5209	473363.09, 3865377.25	1.60E-03	5.05E-07	6.67E-08	8.70E-04	2.75E-07	3.63E-08	1.41E-04	4.45E-08	5.87E-09	1.44E-04	4.53E-08	5.98E-09	6.68E-08	3.64E-08
5210	473863.09, 3865377.25	1.60E-03	5.06E-07	6.68E-08	8.73E-04	2.76E-07	3.64E-08	1.43E-04	4.50E-08	5.94E-09	1.45E-04	4.59E-08	6.05E-09	6.70E-08	3.65E-08
5211	474363.09, 3865377.25	1.61E-03	5.08E-07	6.71E-08	8.78E-04	2.77E-07	3.66E-08	1.46E-04	4.60E-08	6.07E-09	1.47E-04	4.64E-08	6.12E-09	6.71E-08	3.66E-08
5212	474863.09, 3865377.25	1.61E-03	5.09E-07	6.72E-08	8.80E-04	2.78E-07	3.67E-08	1.47E-04	4.65E-08	6.13E-09	1.49E-04	4.69E-08	6.19E-09	6.73E-08	3.67E-08
5213	475363.09, 3865377.25	1.62E-03	5.11E-07	6.74E-08	8.85E-04	2.79E-07	3.69E-08	1.50E-04	4.75E-08	6.27E-09	1.52E-04	4.79E-08	6.32E-09	6.75E-08	3.69E-08
5214	475863.09, 3865377.25	1.63E-03	5.16E-07	6.81E-08	8.94E-04	2.82E-07	3.72E-08	1.52E-04	4.80E-08	6.33E-09	1.53E-04	4.84E-08	6.39E-09	6.82E-08	3.73E-08
5215	476363.09, 3865377.25	1.69E-03	5.35E-07	7.06E-08	9.25E-04	2.92E-07	3.85E-08	1.55E-04	4.89E-08	6.46E-09	1.57E-04	4.95E-08	6.53E-09	7.06E-08	3.86E-08
5216	476863.09, 3865377.25	1.77E-03	5.58E-07	7.37E-08	9.58E-04	3.02E-07	3.99E-08	1.50E-04	4.75E-08	6.27E-09	1.55E-04	4.89E-08	6.46E-09	7.39E-08	4.01E-08
5217	477363.09, 3865377.25	1.73E-03	5.45E-07	7.20E-08	9.44E-04	2.98E-07	3.93E-08	1.60E-04	5.04E-08	6.66E-09	1.62E-04	5.10E-08	6.73E-09	7.21E-08	3.94E-08
5218	477863.09, 3865377.25	1.72E-03	5.42E-07	7.16E-08	9.42E-04	2.97E-07	3.92E-08	1.63E-04	5.14E-08	6.79E-09	1.65E-04	5.20E-08	6.87E-09	7.17E-08	3.93E-08
5219	478363.09, 3865377.25	1.72E-03	5.43E-07	7.17E-08	9.44E-04	2.98E-07	3.93E-08	1.64E-04	5.19E-08	6.85E-09	1.66E-04	5.25E-08	6.94E-09	7.18E-08	3.94E-08
5220	478863.09, 3865377.25	1.70E-03	5.35E-07	7.06E-08	9.34E-04	2.95E-07	3.89E-08	1.68E-04	5.29E-08	6.98E-09	1.70E-04	5.36E-08	7.07E-09	7.07E-08	3.90E-08
5221	479363.09, 3865377.25	1.68E-03	5.31E-07	7.01E-08	9.28E-04	2.93E-07	3.87E-08	1.69E-04	5.34E-08	7.05E-09	1.73E-04	5.46E-08	7.21E-09	7.02E-08	3.88E-08
5222	479863.09, 3865377.25	1.66E-03	5.23E-07	6.90E-08	9.18E-04	2.90E-07	3.82E-08	1.72E-04	5.44E-08	7.18E-09	1.75E-04	5.51E-08	7.28E-09	6.91E-08	3.83E-08
5223	480363.09, 3865377.25	1.60E-03	5.06E-07	6.68E-08	8.94E-04	2.82E-07	3.72E-08	1.75E-04	5.54E-08	7.31E-09	1.78E-04	5.62E-08	7.41E-09	6.69E-08	3.74E-08
5224	480863.09, 3865377.25	1.57E-03	4.94E-07	6.53E-08	8.78E-04	2.77E-07	3.66E-08	1.79E-04	5.64E-08	7.44E-09	1.81E-04	5.72E-08	7.55E-09	6.54E-08	3.67E-08
5225	481363.09, 3865377.25	1.56E-03	4.92E-07	6.50E-08	8.78E-04	2.77E-07	3.66E-08	1.83E-04	5.78E-08	7.64E-09	1.84E-04	5.82E-08	7.68E-09	6.50E-08	3.66E-08
5226	481863.09, 3865377.25	1.57E-03	4.94E-07	6.52E-08	8.83E-04	2.79E-07	3.68E-08	1.86E-04	5.88E-08	7.77E-09	1.88E-04	5.92E-08	7.82E-09	6.53E-08	3.68E-08
5227	482363.09, 3865377.25	1.57E-03	4.96E-07	6.55E-08	8.86E-04	2.80E-07	3.69E-08	1.88E-04	5.93E-08	7.83E-09	1.91E-04	6.03E-08	7.96E-09	6.56E-08	3.70E-08
5228	482863.09, 3865377.25	1.56E-03	4.94E-07	6.52E-08	8.85E-04	2.79E-07	3.69E-08	1.91E-04	6.03E-08	7.96E-09	1.94E-04	6.13E-08	8.09E-09	6.53E-08	3.70E-08
5229	483363.09, 3865377.25	1.53E-03	4.82E-07	6.36E-08	8.68E-04	2.74E-07	3.62E-08	1.94E-04	6.13E-08	8.09E-09	1.98E-04	6.23E-08	8.23E-09	6.37E-08	3.63E-08
5230	483863.09, 3865377.25	1.47E-03	4.64E-07	6.13E-08	8.44E-04	2.66E-07	3.51E-08	1.97E-04	6.23E-08	8.22E-09	2.01E-04	6.34E-08	8.36E-09	6.14E-08	3.53E-08
5231	484363.09, 3865377.25	1.42E-03	4.47E-07	5.90E-08	8.17E-04	2.58E-07	3.40E-08	1.99E-04	6.28E-08	8.29E-09	2.04E-04	6.44E-08	8.50E-09	5.92E-08	3.43E-08
5232	484863.09, 3865377.25	1.38E-03	4.35E-07	5.75E-08	8.03E-04	2.53E-07	3.34E-08	2.04E-04	6.43E-08	8.48E-09	2.09E-04	6.59E-08	8.70E-09	5.77E-08	3.37E-08
5233	485363.09, 3865377.25	1.33E-03	4.19E-07	5.54E-08	7.80E-04	2.46E-07	3.25E-08	2.07E-04	6.53E-08	8.61E-09	2.12E-04	6.70E-08	8.84E-09	5.56E-08	3.27E-08
5234	485863.09, 3865377.25	1.29E-03	4.08E-07	5.38E-08	7.65E-04	2.42E-07	3.19E-08	2.11E-04	6.67E-08	8.81E-09	2.17E-04	6.85E-08	9.04E-09	5.41E-08	3.21E-08
5235	486363.09, 3865377.25	1.24E-03	3.92E-07	5.18E-08	7.43E-04	2.34E-07	3.09E-08	2.13E-04	6.72E-08	8.88E-09	2.20E-04	6.95E-08	9.18E-09	5.21E-08	3.12E-08
5236	486863.09, 3865377.25	1.17E-03	3.70E-07	4.89E-08	7.11E-04	2.24E-07	2.96E-08	2.16E-04	6.82E-08	9.01E-09	2.22E-04	7.01E-08	9.25E-09	4.91E-08	2.98E-08
5237	487363.09, 3865377.25	1.16E-03	3.66E-07	4.84E-08	7.06E-04	2.23E-07	2.94E-08	2.19E-04	6.92E-08	9.14E-09	2.25E-04	7.11E-08	9.38E-09	4.86E-08	2.97E-08
5238	487863.09, 3865377.25	1.17E-03	3.70E-07	4.88E-08	7.14E-04	2.25E-07	2.97E-08	2.22E-04	7.02E-08	9.27E-09	2.30E-04	7.26E-08	9.59E-09	4.91E-08	3.01E-08
5239	488363.09, 3865377.25	1.20E-03	3.79E-07	5.01E-08	7.31E-04	2.31E-07	3.05E-08	2.27E-04	7.17E-08	9.46E-09	2.33E-04	7.37E-08	9.72E-09	5.03E-08	3.07E-08
5240	488863.09, 3865377.25	1.25E-03	3.95E-07	5.21E-08	7.60E-04	2.40E-07	3.17E-08	2.35E-04	7.42E-08	9.79E-09	2.38E-04	7.52E-08	9.93E-09	5.22E-08	3.18E-08
5241	489363.09, 3865377.25	1.34E-03	4.23E-07	5.58E-08	8.08E-04	2.55E-07	3.37E-08	2.41E-04	7.61E-08	1.01E-08	2.45E-04	7.73E-08	1.02E-08	5.60E-08	3.38E-08
5242	489863.09, 3865377.25	1.47E-03	4.64E-07	6.13E-08	8.74E-04	2.76E-07	3.64E-08	2.46E-04	7.76E-08	1.02E-08	2.48E-04	7.83E-08	1.03E-08	6.13E-08	3.65E-08
5243	490363.09, 3865377.25	1.71E-03	5.39E-07	7.12E-08	9.75E-04	3.08E-07	4.06E-08	2.21E-04	6.97E-08	9.20E-09	2.24E-04	7.06E-08	9.32E-09	7.13E-08	4.07E-08
5244	490863.09, 3865377.25	1.95E-03	6.14E-07	8.11E-08	1.09E-03	3.43E-07	4.52E-08	2.15E-04	6.77E-08	8.94E-09	2.14E-04	6.75E-08	8.91E-09	8.10E-08	4.52E-08
5245	491363.09, 3865377.25	2.14E-03	6.74E-07	8.90E-08	1.17E-03	3.71E-07	4.89E-08	2.10E-04	6.63E-08	8.75E-09	2.11E-04	6.65E-08	8.77E-09	8.90E-08	4.90E-08
5246	491863.09, 3865377.25	2.17E-03	6.86E-07	9.05E-08	1.19E-03	3.76E-07	4.97E-08	2.10E-04	6.63E-08	8.75E-09	2.15E-04	6.80E-08	8.98E-09	9.07E-08	4.99E-08
5247	492363.09, 3865377.25	2.07E-03	6.53E-07	8.62E-08	1.12E-03	3.54E-07	4.67E-08	1.77E-04	5.59E-08	7.37E-09	1.89E-04	5.98E-08	7.89E-09	8.67E-08	4.72E-08
5248	492863.09, 3865377.25	1.75E-03	5.54E-07	7.31E-08	9.50E-04	3.00E-07	3.96E-08	1.49E-04	4.70E-08	6.20E-09	1.66E-04	5.25E-08	6.94E-09	7.38E-08	4.03E-08
5249	493363.09, 3865377.25	1.44E-03	4.56E-07	6.01E-08	7.91E-04	2.50E-07	3.29E-08	1.36E-04	4.30E-08	5.68E-09	1.52E-04	4.79E-08	6.32E-09	6.08E-08	3.36E-08
5250	493863.09, 3865377.25	1.58E-03	5.00E-07	6.60E-08	8.70E-04	2.75E-07	3.62E-08	1.54E-04	4.85E-08	6.40E-09	1.68E-04	5.31E-08	7.00E-09	6.66E-08	3.69E-08
5251	494363.09, 3865377.25	1.66E-03	5.22E-07	6.90E-08	9.20E-04	2.90E-07	3.83E-08	1.77E-04	5.59E-08	7.37E-09	1.86E-04	5.87E-08	7.75E-09	6.93E-08	3.87E-08
5252	494863.09, 3865377.25	1.67E-03	5.28E-07	6.97E-08	9.41E-04	2.97E-07	3.92E-08	1.96E-04	6.18E-08	8.16E-09	1.98E-04	6.23E-08	8.23E-09	6.98E-08	3.93E-08
5253	495363.09, 3865377.25	1.70E-03	5.35E-07	7.07E-08	9.58E-04	3.02E-07	3.99E-08	2.05E-04	6.48E-08	8.55E-09	2.04E-04	6.44E-08	8.50E-09	7.06E-08	3.99E-08
5254	495863.09, 3865377.25	1.71E-03	5.41E-07	7.14E-08	9.74E-04	3.07E-07	4.06E-08	2.18E-04	6.87E-08	9.07E-09	2.25E-04	7.11E-08	9.38E-09	7.17E-08	4.09E-08
5255	496363.09, 3865377.25	1.71E-03	5.39E-07	7.12E-08	9.62E-04	3.04E-07	4.01E-08	2.02E-04	6.38E-08	8.42E-09	2.15E-04	6.80E-08	8.98E-09	7.18E-08	4.06E-08
5256	496863.09, 3865377.25	1.73E-03	5.46E-07	7.21E-08	9.68E-04	3.06E-07	4.03E-08	1.96E-04	6.18E-08	8.16E-09	2.11E-04	6.65E-08	8.77E-09	7.27E-08	4.10E-08
5257	497363.09, 3865377.25	1.75E-03	5.54E-07	7.31E-08	9.94E-04	3.14E-07	4.14E-08	2.16E-04	6.82E-08	9.01E-09	2.24E-04	7.06E-08	9.32E-09	7.34E-08	4.17E-08
5258	497863.09, 3865377.25	1.77E-03	5.60E-07	7.39E-08	1.01E-03	3.18E-07	4.20E-08	2.22E-04	7.02E-08	9.27E-09	2.25E-04	7.11E-08	9.38E-09	7.41E-08	4.21E-08
5259	498363.09, 3865377.25	1.79E-03	5.67E-07	7.48E-08	1.01E-03	3.20E-07	4.23E-08	2.18E-04	6.87E-08	9.07E-09	2.20E-04	6.95E-08	9.18E-09	7.49E-08	4.24E-08
5260	471363.09, 3865877.25	1.49E-03	4.69E-07	6.19E-08	8.06E-04	2.54E-07	3.36E-08	1.28E-04	4.05E-08	5.35E-09	1.31E-04	4.12E-08	5.44E-09	6.20E-08	3.37E-08

5261 471863.09, 3865877.25	1.49E-03	4.70E-07	6.21E-08	8.10E-04	2.56E-07	3.38E-08	1.32E-04	4.15E-08	5.48E-09	1.34E-04	4.22E-08	5.58E-09	6.22E-08	3.39E-08
5262 472363.09, 3865877.25	1.51E-03	4.76E-07	6.28E-08	8.19E-04	2.59E-07	3.41E-08	1.33E-04	4.20E-08	5.55E-09	1.35E-04	4.28E-08	5.64E-09	6.29E-08	3.42E-08
5263 472863.09, 3865877.25	1.50E-03	4.72E-07	6.23E-08	8.15E-04	2.57E-07	3.40E-08	1.35E-04	4.25E-08	5.61E-09	1.37E-04	4.33E-08	5.71E-09	6.24E-08	3.41E-08
5264 473363.09, 3865877.25	1.50E-03	4.73E-07	6.25E-08	8.18E-04	2.58E-07	3.41E-08	1.36E-04	4.30E-08	5.68E-09	1.39E-04	4.38E-08	5.78E-09	6.26E-08	3.42E-08
5265 473863.09, 3865877.25	1.50E-03	4.75E-07	6.27E-08	8.22E-04	2.60E-07	3.43E-08	1.39E-04	4.40E-08	5.81E-09	1.40E-04	4.43E-08	5.85E-09	6.27E-08	3.43E-08
5266 474363.09, 3865877.25	1.51E-03	4.76E-07	6.28E-08	8.25E-04	2.60E-07	3.44E-08	1.41E-04	4.45E-08	5.87E-09	1.44E-04	4.53E-08	5.98E-09	6.29E-08	3.45E-08
5267 474863.09, 3865877.25	1.53E-03	4.82E-07	6.36E-08	8.36E-04	2.64E-07	3.48E-08	1.44E-04	4.55E-08	6.00E-09	1.45E-04	4.59E-08	6.05E-09	6.36E-08	3.49E-08
5268 475363.09, 3865877.25	1.53E-03	4.82E-07	6.37E-08	8.38E-04	2.64E-07	3.49E-08	1.46E-04	4.60E-08	6.07E-09	1.47E-04	4.64E-08	6.12E-09	6.37E-08	3.50E-08
5269 475863.09, 3865877.25	1.55E-03	4.88E-07	6.44E-08	8.49E-04	2.68E-07	3.54E-08	1.49E-04	4.70E-08	6.20E-09	1.50E-04	4.74E-08	6.26E-09	6.45E-08	3.54E-08
5270 476363.09, 3865877.25	1.62E-03	5.10E-07	6.73E-08	8.82E-04	2.78E-07	3.68E-08	1.49E-04	4.70E-08	6.20E-09	1.52E-04	4.79E-08	6.32E-09	6.74E-08	3.69E-08
5271 476863.09, 3865877.25	1.67E-03	5.26E-07	6.94E-08	9.05E-04	2.86E-07	3.77E-08	1.46E-04	4.60E-08	6.07E-09	1.50E-04	4.74E-08	6.26E-09	6.96E-08	3.79E-08
5272 477363.09, 3865877.25	1.62E-03	5.13E-07	6.77E-08	8.91E-04	2.81E-07	3.71E-08	1.55E-04	4.89E-08	6.46E-09	1.57E-04	4.95E-08	6.53E-09	6.77E-08	3.72E-08
5273 477863.09, 3865877.25	1.60E-03	5.05E-07	6.66E-08	8.79E-04	2.77E-07	3.66E-08	1.57E-04	4.94E-08	6.53E-09	1.60E-04	5.05E-08	6.66E-09	6.67E-08	3.68E-08
5274 478363.09, 3865877.25	1.59E-03	5.00E-07	6.61E-08	8.74E-04	2.76E-07	3.64E-08	1.58E-04	4.99E-08	6.59E-09	1.62E-04	5.10E-08	6.73E-09	6.62E-08	3.65E-08
5275 478863.09, 3865877.25	1.56E-03	4.92E-07	6.49E-08	8.61E-04	2.72E-07	3.59E-08	1.60E-04	5.04E-08	6.66E-09	1.63E-04	5.15E-08	6.80E-09	6.51E-08	3.60E-08
5276 479363.09, 3865877.25	1.53E-03	4.83E-07	6.38E-08	8.49E-04	2.68E-07	3.54E-08	1.61E-04	5.09E-08	6.72E-09	1.65E-04	5.20E-08	6.87E-09	6.39E-08	3.55E-08
5277 479863.09, 3865877.25	1.49E-03	4.70E-07	6.21E-08	8.31E-04	2.62E-07	3.46E-08	1.63E-04	5.14E-08	6.79E-09	1.66E-04	5.25E-08	6.94E-09	6.22E-08	3.48E-08
5278 480363.09, 3865877.25	1.45E-03	4.59E-07	6.05E-08	8.14E-04	2.57E-07	3.39E-08	1.66E-04	5.24E-08	6.92E-09	1.68E-04	5.31E-08	7.00E-09	6.06E-08	3.40E-08
5279 480863.09, 3865877.25	1.41E-03	4.46E-07	5.89E-08	7.96E-04	2.51E-07	3.32E-08	1.68E-04	5.29E-08	6.98E-09	1.71E-04	5.41E-08	7.14E-09	5.91E-08	3.33E-08
5280 481363.09, 3865877.25	1.41E-03	4.44E-07	5.87E-08	7.97E-04	2.51E-07	3.32E-08	1.72E-04	5.44E-08	7.18E-09	1.75E-04	5.51E-08	7.28E-09	5.88E-08	3.33E-08
5281 481863.09, 3865877.25	1.41E-03	4.46E-07	5.89E-08	8.00E-04	2.52E-07	3.33E-08	1.74E-04	5.49E-08	7.24E-09	1.76E-04	5.56E-08	7.34E-09	5.90E-08	3.34E-08
5282 482363.09, 3865877.25	1.42E-03	4.47E-07	5.91E-08	8.03E-04	2.54E-07	3.35E-08	1.75E-04	5.54E-08	7.31E-09	1.80E-04	5.67E-08	7.48E-09	5.92E-08	3.36E-08
5283 482863.09, 3865877.25	1.39E-03	4.40E-07	5.81E-08	7.94E-04	2.51E-07	3.31E-08	1.79E-04	5.64E-08	7.44E-09	1.81E-04	5.72E-08	7.55E-09	5.82E-08	3.32E-08
5284 483363.09, 3865877.25	1.37E-03	4.32E-07	5.70E-08	7.84E-04	2.47E-07	3.26E-08	1.82E-04	5.74E-08	7.57E-09	1.84E-04	5.82E-08	7.68E-09	5.71E-08	3.28E-08
5285 483863.09, 3865877.25	1.33E-03	4.18E-07	5.52E-08	7.64E-04	2.41E-07	3.18E-08	1.83E-04	5.78E-08	7.64E-09	1.88E-04	5.92E-08	7.82E-09	5.54E-08	3.20E-08
5286 484363.09, 3865877.25	1.29E-03	4.06E-07	5.36E-08	7.46E-04	2.36E-07	3.11E-08	1.86E-04	5.88E-08	7.77E-09	1.91E-04	6.03E-08	7.96E-09	5.38E-08	3.13E-08
5287 484863.09, 3865877.25	1.24E-03	3.90E-07	5.15E-08	7.24E-04	2.29E-07	3.02E-08	1.90E-04	5.98E-08	7.90E-09	1.94E-04	6.13E-08	8.09E-09	5.17E-08	3.04E-08
5288 485363.09, 3865877.25	1.18E-03	3.73E-07	4.93E-08	6.99E-04	2.21E-07	2.91E-08	1.91E-04	6.03E-08	7.96E-09	1.98E-04	6.23E-08	8.23E-09	4.96E-08	2.94E-08
5289 485863.09, 3865877.25	1.16E-03	3.66E-07	4.82E-08	6.89E-04	2.17E-07	2.87E-08	1.94E-04	6.13E-08	8.09E-09	1.99E-04	6.29E-08	8.30E-09	4.85E-08	2.89E-08
5290 486363.09, 3865877.25	1.11E-03	3.51E-07	4.63E-08	6.67E-04	2.11E-07	2.78E-08	1.96E-04	6.18E-08	8.16E-09	2.01E-04	6.34E-08	8.36E-09	4.65E-08	2.80E-08
5291 486863.09, 3865877.25	1.08E-03	3.40E-07	4.49E-08	6.52E-04	2.06E-07	2.72E-08	1.97E-04	6.23E-08	8.22E-09	2.04E-04	6.44E-08	8.50E-09	4.52E-08	2.74E-08
5292 487363.09, 3865877.25	1.07E-03	3.36E-07	4.44E-08	6.48E-04	2.04E-07	2.70E-08	2.01E-04	6.33E-08	8.35E-09	2.07E-04	6.54E-08	8.64E-09	4.47E-08	2.73E-08
5293 487863.09, 3865877.25	1.05E-03	3.32E-07	4.38E-08	6.44E-04	2.03E-07	2.68E-08	2.05E-04	6.48E-08	8.55E-09	2.12E-04	6.70E-08	8.84E-09	4.41E-08	2.71E-08
5294 488363.09, 3865877.25	1.05E-03	3.33E-07	4.39E-08	6.49E-04	2.05E-07	2.70E-08	2.10E-04	6.63E-08	8.75E-09	2.17E-04	6.85E-08	9.04E-09	4.42E-08	2.73E-08
5295 488863.09, 3865877.25	1.10E-03	3.48E-07	4.59E-08	6.76E-04	2.13E-07	2.82E-08	2.16E-04	6.82E-08	9.01E-09	2.20E-04	6.95E-08	9.18E-09	4.61E-08	2.83E-08
5296 489363.09, 3865877.25	1.17E-03	3.71E-07	4.90E-08	7.14E-04	2.26E-07	2.98E-08	2.21E-04	6.97E-08	9.20E-09	2.24E-04	7.06E-08	9.32E-09	4.91E-08	2.99E-08
5297 489863.09, 3865877.25	1.29E-03	4.06E-07	5.37E-08	7.70E-04	2.43E-07	3.21E-08	2.22E-04	7.02E-08	9.27E-09	2.25E-04	7.11E-08	9.38E-09	5.38E-08	3.22E-08
5298 490363.09, 3865877.25	1.45E-03	4.59E-07	6.06E-08	8.47E-04	2.67E-07	3.53E-08	2.15E-04	6.77E-08	8.94E-09	2.17E-04	6.85E-08	9.04E-09	6.07E-08	3.54E-08
5299 490863.09, 3865877.25	1.67E-03	5.26E-07	6.94E-08	9.41E-04	2.97E-07	3.92E-08	2.01E-04	6.33E-08	8.35E-09	2.01E-04	6.34E-08	8.36E-09	6.94E-08	3.92E-08
5300 491363.09, 3865877.25	1.88E-03	5.93E-07	7.83E-08	1.04E-03	3.27E-07	4.31E-08	1.86E-04	5.88E-08	7.77E-09	1.88E-04	5.92E-08	7.82E-09	7.84E-08	4.32E-08
5301 491863.09, 3865877.25	2.00E-03	6.30E-07	8.32E-08	1.09E-03	3.45E-07	4.55E-08	1.86E-04	5.88E-08	7.77E-09	1.89E-04	5.98E-08	7.89E-09	8.33E-08	4.56E-08
5302 492363.09, 3865877.25	1.99E-03	6.29E-07	8.30E-08	1.08E-03	3.42E-07	4.51E-08	1.75E-04	5.54E-08	7.31E-09	1.84E-04	5.82E-08	7.68E-09	8.34E-08	4.55E-08
5303 492863.09, 3865877.25	1.79E-03	5.64E-07	7.45E-08	9.63E-04	3.04E-07	4.01E-08	1.44E-04	4.55E-08	6.00E-09	1.58E-04	5.00E-08	6.60E-09	7.51E-08	4.07E-08
5304 493363.09, 3865877.25	1.56E-03	4.93E-07	6.50E-08	8.49E-04	2.68E-07	3.54E-08	1.38E-04	4.35E-08	5.74E-09	1.53E-04	4.84E-08	6.39E-09	6.57E-08	3.60E-08
5305 493863.09, 3865877.25	1.49E-03	4.69E-07	6.19E-08	8.17E-04	2.58E-07	3.40E-08	1.44E-04	4.55E-08	6.00E-09	1.60E-04	5.05E-08	6.66E-09	6.26E-08	3.47E-08
5306 494363.09, 3865877.25	1.50E-03	4.75E-07	6.27E-08	8.32E-04	2.63E-07	3.47E-08	1.55E-04	4.89E-08	6.46E-09	1.70E-04	5.36E-08	7.07E-09	6.33E-08	3.53E-08
5307 494863.09, 3865877.25	1.50E-03	4.74E-07	6.26E-08	8.45E-04	2.67E-07	3.52E-08	1.77E-04	5.59E-08	7.37E-09	1.86E-04	5.87E-08	7.75E-09	6.29E-08	3.56E-08
5308 495363.09, 3865877.25	1.50E-03	4.75E-07	6.27E-08	8.51E-04	2.69E-07	3.54E-08	1.83E-04	5.78E-08	7.64E-09	1.84E-04	5.82E-08	7.68E-09	6.27E-08	3.55E-08
5309 495863.09, 3865877.25	1.53E-03	4.83E-07	6.37E-08	8.62E-04	2.72E-07	3.59E-08	1.83E-04	5.78E-08	7.64E-09	1.83E-04	5.77E-08	7.62E-09	6.37E-08	3.59E-08
5310 496363.09, 3865877.25	1.53E-03	4.83E-07	6.38E-08	8.58E-04	2.71E-07	3.58E-08	1.75E-04	5.54E-08	7.31E-09	1.81E-04	5.72E-08	7.55E-09	6.40E-08	3.60E-08
5311 496863.09, 3865877.25	1.54E-03	4.85E-07	6.40E-08	8.55E-04	2.70E-07	3.56E-08	1.66E-04	5.24E-08	6.92E-09	1.80E-04	5.67E-08	7.48E-09	6.46E-08	3.62E-08
5312 497363.09, 3865877.25	1.56E-03	4.92E-07	6.49E-08	8.69E-04	2.74E-07	3.62E-08	1.71E-04	5.39E-08	7.11E-09	1.84E-04	5.82E-08	7.68E-09	6.55E-08	3.68E-08
5313 497863.09, 3865877.25	1.57E-03	4.95E-07	6.53E-08	8.78E-04	2.77E-07	3.66E-08	1.79E-04	5.64E-08	7.44E-09	1.89E-04	5.98E-08	7.89E-09	6.58E-08	3.70E-08
5314 498363.09, 3865877.25	1.59E-03	5.03E-07	6.64E-08	8.83E-04	2.79E-07	3.68E-08	1.68E-04	5.29E-08	6.98E-09	1.71E-04	5.41E-08	7.14E-09	6.65E-08	3.70E-08
5315 471363.09, 3866377.25	1.41E-03	4.46E-07	5.89E-08	7.69E-04	2.43E-07	3.20E-08	1.25E-04	3.96E-08	5.22E-09	1.29E-04	4.07E-08	5.37E-09	5.90E-08	3.22E-08
5316 471863.09, 3866377.25	1.42E-03	4.47E-07	5.90E-08	7.71E-04	2.43E-07	3.21E-08	1.27E-04	4.00E-08	5.29E-09	1.31E-04	4.12E-08	5.44E-09	5.91E-08	3.23E-08
5317 472363.09, 3866377.25	1.42E-03	4.49E-07	5.92E-08	7.76E-04	2.45E-07	3.23E-08	1.30E-04	4.10E-08	5.42E-09	1.32E-04	4.17E-08	5.51E-09	5.93E-08	3.24E-08
5318 472863.09, 3866377.25	1.41E-03	4.45E-07	5.87E-08	7.71E-04	2.43E-07	3.21E-08	1.32E-04	4.15E-08	5.48E-09	1.34E-04	4.22E-08	5.58E-09	5.88E-08	3.22E-08
5319 473363.09, 3866377.25	1.41E-03	4.46E-07	5.89E-08	7.74E-04	2.44E-07	3.22E-08	1.33E-04	4.20E-08	5.55E-09	1.35E-04	4.28E-08	5.64E-09	5.90E-08	3.23E-08
5320 473863.09, 3866377.25	1.42E-03	4.48E-07	5.91E-08	7.78E-04	2.46E-07	3.24E-08	1.36E-04	4.30E-08	5.68E-09	1.37E-04	4.33E-08	5.71E-09	5.91E-08	3.25E-08
5321 474363.09, 3866377.25	1.42E-03	4.48E-07	5.92E-08	7.80E-04	2.46E-07	3.25E-08	1.38E-04	4.35E-08	5.74E-09	1.40E-04	4.43E-08	5.85E-09	5.93E-08	3.26E-08
5322 474863.09, 3866377.25	1.42E-03	4.49E-07	5.93E-08	7.82E-04	2.47E-07	3.26E-08	1.39E-04	4.40E-08	5.81E-09	1.42E-04	4.48E-08	5.92E-09	5.94E-08	3.27E-08
5323 475363.09, 3866377.25	1.42E-03	4.50E-07	5.93E-08	7.84E-04	2.48E-07	3.27E-08	1.41E-04	4.45E-08	5.87E-09	1.44E-04	4.53E-08	5.98E-09	5.94E-08	3.28E-08
5324 475863.09, 3866377.25	1.44E-03	4.55E-07	6.00E-08	7.93E-04	2.50E-07	3.30E-08	1.43E-04	4.50E-08	5.94E-09	1.45E-04	4.59E-08	6.05E-09	6.01E-08	3.32E-08
5325 476363.09, 3866377.25	1.50E-03	4.73E-07	6.24E-08	8.22E-04	2.60E-07	3.43E-08	1.44E-04	4.55E-08	6.00E-09	1.47E-04	4.64E-08	6.12E-09	6.25E-08	3.44E-08
5326 476863.09, 3866377.25	1.56E-03	4.91E-07	6.49E-08	8.46E-04	2.67E-07	3.52E-08	1.36E-04	4.30E-08	5.68E-09	1.42E-04	4.48E-08	5.92E-09	6.51E-08	3.55E-08
5327 477363.09, 3866377.25	1.54E-03	4.86E-07	6.42E-08	8.43E-04	2.66E-07	3.51E-08	1.44E-04	4.55E-08	6.00E-09	1.49E-04	4.69E-08	6.19E-09	6.44E-08	3.53E-08
5328 477863.09, 3866377.25	1.49E-03	4.71E-07	6.21E-08	8.23E-04	2.60E-07	3.43E-08	1.50E-04	4.75E-08	6.27E-09	1.52E-04	4.79E-08	6.32E-09	6.22E-08	3.43E-08
5329 478363.09, 3866377.25	1.46E-03	4.61E-07	6.09E-08	8.09E-04	2.55E-07	3.37E-08	1.50E-04	4.75E-08	6.27E-09	1.53E-04	4.84E-08	6.39E-09	6.10E-08	3.38E-08
5330 478863.09, 3866377.25	1.43E-03	4.53E-07	5.98E-08	7.96E-04	2.51E-07	3.32E-08	1.52E-04	4.80E-08	6.33E-09	1.55E-04	4.89E-08	6.46E-09	5.99E-08	3.33E-08
5331 479363.09, 3866377.25	1.39E-03	4.40E-07	5.81E-08	7.78E-04	2.45E-07	3.24E-08	1.54E-04	4.85E-08	6.40E-09	1.57E-04	4.95E-08	6.53E-09	5.82E-08	3.25E-08
5332 479863.09, 3866377.25	1.36E-03	4.28E-07	5.65E-08	7.60E-04	2.40E-07	3.16E-08	1.55E-04	4.89E-08	6.46E-09	1.58E-04	5.00E-08	6.60E-09	5.66E-08	3.18E-08
5333 480363.09, 3866377.25	1.32E-03	4.15E-07	5.48E-08	7.42E-04	2.34E-07	3.09E-08	1.57E-04	4.94E-08	6.53E-09	1.60E-04	5.05E-08	6.66E-09	5.50E-08	3.10E-08
5334 480863.09, 3866377.25	1.28E-03	4.04E-07	5.33E-08	7.26E-04	2.29E-07	3.03E-08	1.60E-04	5.04E-08	6.66E-09	1.62E-04	5.10E-08	6.73E-09	5.34E-08	3.03E-08
5335 481363.09, 3866377.25	1.29E-03	4.06E-07	5.36E-08	7.31E-04	2.31E-07	3.05E-08	1.63E-04	5.14E-08	6.79E-09	1.65E-04	5.20E-08	6.87E-09	5.37E-08	3.05E-08
5336 481863.09, 3866377.25	1.29E-03	4.07E-07	5.38E-08	7.34E-04	2.32E-07	3.06E-08	1.64E-04	5.19E-08	6.85E-09	1.66E-04	5.25E-08	6.94E-09	5.39E-08	3.07E-08
5337 482363.09, 3866377.25	1.28E-03	4.04E-07	5.33E-08	7.30E-04	2.31E-07	3.04E-08	1.66E-04	5.24E-08	6.92E-09	1.68E-04	5.31E-08	7.00E-09	5.34E-08	3.05E-08
5338 482863.09, 3866377.25	1.27E-03	4.00E-07	5.28E-08	7.25E-04	2.29E-07	3.02E-08	1.68E-04	5.29E-08	6.98E-09	1.71E-04	5.41E-08	7.14E-09	5.30E-08	3.04E-08
5339 483363.09, 3866377.25	1.25E-03	3.95E-07	5.22E-08	7.19E-04	2.27E-07	3.00E-08	1.69E-04	5.34E-08	7.05E-09	1.73E-04	5.46E-08	7.21E-09	5.24E-08	3.01E-08
5340 483863.09, 3866377.25	1.23E-03	3.87E-07	5.11E-08	7.08E-04	2.23E-07	2.95E-08	1.72E-04	5.44E-08	7.18E-09	1.76E-04	5.56E-08	7.34E-09	5.13E-08	2.97E-08
5341 484363.09, 3866377.25	1.17E-03	3.70E-07	4.88E-08	6.81E-04	2.15E-07	2.84E-08	1.72E-04	5.44E-08	7.18E-09	1.78E-04	5.62E-08	7.41E-09	4.90E-08	2.86E-08
5342 484863.09, 3866377.25	1.12E-03	3.54E-07	4.67E-08	6.59E-04	2.08E-07	2.74E-08	1.75E-04	5.54E-08	7.31E-09	1.80E-04	5.67E-08	7.48E-09	4.69E-08	2.76E-08
5343 485363.09, 3866377.25	1.05E-03	3.32E-07	4.39E-08	6.27E-04	1.98E-07	2.61E-08	1.77E-04	5.59E-08	7.37E-09	1.83E-04	5.77E-08	7.62E-09	4.41E-08	2.64E-08
5344 485863.09, 3866377.25	1.04E-03	3.29E-07	4.34E-08	6.24E-04	1.97E-07	2.60E-08	1.80E-04	5.69E-08	7.51E-09	1.86E-04	5.87E-08	7.75E-09	4.37E-08	2.62E-08
5345 486363.09, 3866377.25	1.03E-03	3.24E-07	4.27E-08	6.17E-04	1.95E-07	2.57E-08	1.83E-04	5.78E-08	7.64E-09	1.89E-04	5.98E-08	7.89E-09	4.30E-08	2.60E-08
5346 486863.09, 3866377.25	1.01E-03	3.18E-07	4.20E-08	6.11E-04	1.93E-07	2.54E-08	1.86E-04	5.88E-08	7.77E-09	1.93E-04	6.08E-08	8.02E-09	4.22E-08	2.57E-08
5347 487363.09, 3866377.25	1.01E-03	3.18E-07	4.20E-08	6.13E-04	1.93E-07	2.55E-08	1.90E-04	5.98E-08	7.90E-09	1.96E-04	6.18E-08	8.16E-09	4.22E-08	2.58E-08
5348 487863.09, 3866377.25	9.88E-04	3.12E-07	4.11E-08	6.03E-04	1.90E-07	2.51E-08	1.90E-04	5.98E-08	7.90E-09	1.96E-04	6.18E-08	8.16E-09	4.14E-08	2.54E-08
5349 488363.09, 3866377.25	9.62E-04	3.04E-07	4.01E-08	5.93E-04	1.87E-07	2.47E-08	1.93E-04	6.08E-08	8.03E-09	1.99E-04	6.29E-08	8.30E-09	4.04E-08	2.50E-08
5350 488863.09, 3866377.25	9.80E-04	3.09E-07	4.08E-08	5.97E-04	1.89E-07	2.49E-08	1.86E-04	5.88E-08	7.77E-09	1.93E-04	6.08E-08	8.02E-09	4.11E-08	2.51E-08
5351 489363.09, 3866377.25	1.05E-03	3.33E-07	4.39E-08	6.31E-04	1.99E-07	2.63E-08	1.82E-04	5.74E-08	7.57E-09	1.88E-04	5.92E-08	7.82E-09	4.42E-08	2.65E-08
5352 489863.09, 3866377.25	1.16E-03	3.65E-07	4.81E-08	6.75E-04	2.13E-07	2.81E-08	1.74E-04	5.49E-08	7.24E-09	1.78E-04	5.62E-08	7.41E-09	4.83E-08	2.83E-08
5353 490363.09, 3866377.25	1.27E-03	3.99E-07	5.27E-08	7.42E-04	2.34E-07	3.09E-08	1.96E-04	6.18E-08	8.16E-09	1.98E-04	6.23E-08	8.23E-09	5.28E-08	3.10E-08
5354 490863.09, 3866377.25	1.42E-03	4.48E-07	5.91E-08	8.20E-04	2.59E-07	3.42E-08	2.01E-04	6.33E-08	8.35E-09	2.02E-04	6.39E-08	8.43E-09	5.92E-08	3.43E-08

5355 491363.09, 3866377.25	1.61E-03	5.09E-07	6.72E-08	9.10E-04	2.87E-07	3.79E-08	1.93E-04	6.08E-08	8.03E-09	1.93E-04	6.08E-08	8.02E-09	6.72E-08	3.79E-08
5356 491863.09, 3866377.25	1.79E-03	5.66E-07	7.47E-08	9.75E-04	3.08E-07	4.06E-08	1.60E-04	5.04E-08	6.66E-09	1.63E-04	5.15E-08	6.80E-09	7.48E-08	4.08E-08
5357 492363.09, 3866377.25	1.86E-03	5.86E-07	7.74E-08	1.01E-03	3.18E-07	4.20E-08	1.61E-04	5.09E-08	6.72E-09	1.66E-04	5.25E-08	6.94E-09	7.76E-08	4.22E-08
5358 492863.09, 3866377.25	1.79E-03	5.65E-07	7.46E-08	9.67E-04	3.05E-07	4.03E-08	1.47E-04	4.65E-08	6.13E-09	1.57E-04	4.95E-08	6.53E-09	7.50E-08	4.07E-08
5359 493363.09, 3866377.25	1.66E-03	5.23E-07	6.90E-08	9.00E-04	2.84E-07	3.75E-08	1.46E-04	4.60E-08	6.07E-09	1.57E-04	4.95E-08	6.53E-09	6.95E-08	3.80E-08
5360 493863.09, 3866377.25	1.51E-03	4.75E-07	6.27E-08	8.28E-04	2.61E-07	3.45E-08	1.47E-04	4.65E-08	6.13E-09	1.60E-04	5.05E-08	6.66E-09	6.33E-08	3.50E-08
5361 494363.09, 3866377.25	1.39E-03	4.40E-07	5.80E-08	7.78E-04	2.46E-07	3.24E-08	1.55E-04	4.89E-08	6.46E-09	1.70E-04	5.36E-08	7.07E-09	5.86E-08	3.30E-08
5362 494863.09, 3866377.25	1.36E-03	4.30E-07	5.68E-08	7.62E-04	2.41E-07	3.18E-08	1.54E-04	4.85E-08	6.40E-09	1.66E-04	5.25E-08	6.94E-09	5.73E-08	3.23E-08
5363 495363.09, 3866377.25	1.35E-03	4.27E-07	5.64E-08	7.56E-04	2.39E-07	3.15E-08	1.50E-04	4.75E-08	6.27E-09	1.57E-04	4.95E-08	6.53E-09	5.67E-08	3.18E-08
5364 495863.09, 3866377.25	1.36E-03	4.30E-07	5.68E-08	7.60E-04	2.40E-07	3.17E-08	1.50E-04	4.75E-08	6.27E-09	1.50E-04	4.74E-08	6.26E-09	5.67E-08	3.17E-08
5365 496363.09, 3866377.25	1.39E-03	4.38E-07	5.78E-08	7.74E-04	2.44E-07	3.22E-08	1.52E-04	4.80E-08	6.33E-09	1.49E-04	4.69E-08	6.19E-09	5.77E-08	3.21E-08
5366 496863.09, 3866377.25	1.40E-03	4.40E-07	5.81E-08	7.74E-04	2.44E-07	3.23E-08	1.47E-04	4.65E-08	6.13E-09	1.50E-04	4.74E-08	6.26E-09	5.82E-08	3.24E-08
5367 497363.09, 3866377.25	1.40E-03	4.41E-07	5.82E-08	7.74E-04	2.44E-07	3.23E-08	1.46E-04	4.60E-08	6.07E-09	1.58E-04	5.00E-08	6.60E-09	5.87E-08	3.28E-08
5368 497863.09, 3866377.25	1.40E-03	4.43E-07	5.85E-08	7.78E-04	2.46E-07	3.24E-08	1.47E-04	4.65E-08	6.13E-09	1.62E-04	5.10E-08	6.73E-09	5.91E-08	3.30E-08
5369 498363.09, 3866377.25	1.40E-03	4.43E-07	5.84E-08	7.71E-04	2.43E-07	3.21E-08	1.36E-04	4.30E-08	5.68E-09	1.45E-04	4.59E-08	6.05E-09	5.88E-08	3.25E-08
5370 474494.92, 3848334.16	7.85E-02	2.48E-05	3.27E-06	7.28E-02	2.30E-05	3.03E-06	5.36E-02	1.69E-05	2.23E-06	5.63E-02	1.78E-05	2.35E-06	3.38E-06	3.15E-06
5371 475167.27, 3848920.79	1.06E-01	3.36E-05	4.43E-06	9.27E-02	2.93E-05	3.86E-06	6.34E-02	2.00E-05	2.64E-06	6.65E-02	2.10E-05	2.77E-06	4.56E-06	3.99E-06
5372 475297.89, 3848997.96	9.25E-02	2.92E-05	3.85E-06	7.68E-02	2.42E-05	3.20E-06	4.92E-02	1.55E-05	2.05E-06	5.19E-02	1.64E-05	2.16E-06	3.97E-06	3.31E-06
5373 475439.05, 3849062	1.08E-01	3.42E-05	4.51E-06	8.96E-02	2.83E-05	3.73E-06	5.72E-02	1.80E-05	2.38E-06	6.03E-02	1.90E-05	2.51E-06	4.64E-06	3.86E-06
5374 475486.86, 3849061.09	8.51E-02	2.68E-05	3.54E-06	6.86E-02	2.17E-05	2.86E-06	4.22E-02	1.33E-05	1.76E-06	4.45E-02	1.40E-05	1.85E-06	3.64E-06	2.95E-06
5375 475538.46, 3849075.56	8.69E-02	2.74E-05	3.62E-06	6.99E-02	2.21E-05	2.91E-06	4.28E-02	1.35E-05	1.78E-06	4.51E-02	1.42E-05	1.88E-06	3.71E-06	3.01E-06
5376 475751.79, 3849137.15	1.12E-01	3.53E-05	4.66E-06	9.50E-02	3.00E-05	3.96E-06	6.29E-02	1.98E-05	2.62E-06	6.67E-02	2.10E-05	2.78E-06	4.82E-06	4.12E-06
5377 476303.62, 3849223.38	1.03E-01	3.24E-05	4.27E-06	8.69E-02	2.74E-05	3.62E-06	5.73E-02	1.81E-05	2.39E-06	6.01E-02	1.90E-05	2.50E-06	4.39E-06	3.74E-06
5378 476304.51, 3849238.92	1.36E-01	4.29E-05	5.66E-06	1.18E-01	3.71E-05	4.90E-06	7.95E-02	2.51E-05	3.31E-06	8.34E-02	2.63E-05	3.48E-06	5.83E-06	5.06E-06
5379 476365.04, 3849247.98	1.23E-01	3.88E-05	5.12E-06	1.06E-01	3.33E-05	4.40E-06	7.09E-02	2.24E-05	2.95E-06	7.47E-02	2.36E-05	3.11E-06	5.28E-06	4.56E-06
5380 476444.86, 3849267.13	1.24E-01	3.90E-05	5.15E-06	1.06E-01	3.35E-05	4.42E-06	7.11E-02	2.24E-05	2.96E-06	7.54E-02	2.38E-05	3.14E-06	5.32E-06	4.59E-06
5381 476550.75, 3849300.66	1.41E-01	4.46E-05	5.89E-06	1.23E-01	3.89E-05	5.14E-06	8.46E-02	2.67E-05	3.52E-06	9.07E-02	2.86E-05	3.78E-06	6.14E-06	5.40E-06
5382 476656.71, 3849346.88	1.29E-01	4.07E-05	5.37E-06	1.10E-01	3.47E-05	4.58E-06	7.31E-02	2.31E-05	3.05E-06	7.77E-02	2.45E-05	3.24E-06	5.56E-06	4.77E-06
5383 476873.55, 3849454.53	1.33E-01	4.20E-05	5.55E-06	1.12E-01	3.54E-05	4.67E-06	7.31E-02	2.31E-05	3.05E-06	7.72E-02	2.44E-05	3.21E-06	5.71E-06	4.83E-06
5384 477700, 3849859.7	1.46E-01	4.61E-05	6.08E-06	1.18E-01	3.71E-05	4.90E-06	7.22E-02	2.28E-05	3.01E-06	7.44E-02	2.35E-05	3.10E-06	6.17E-06	4.99E-06
5385 477743.16, 3849856.38	1.14E-01	3.61E-05	4.76E-06	8.87E-02	2.80E-05	3.69E-06	5.12E-02	1.62E-05	2.13E-06	5.29E-02	1.67E-05	2.20E-06	4.83E-06	3.76E-06
5386 478477.35, 3850216.33	1.29E-01	4.09E-05	5.39E-06	9.76E-02	3.08E-05	4.07E-06	5.36E-02	1.69E-05	2.23E-06	5.42E-02	1.71E-05	2.26E-06	5.42E-06	4.09E-06
5387 478485.8, 3850201.6	1.06E-01	3.35E-05	4.42E-06	7.83E-02	2.47E-05	3.26E-06	4.12E-02	1.30E-05	1.72E-06	4.20E-02	1.32E-05	1.75E-06	4.46E-06	3.29E-06
5388 479113.21, 3850501.53	1.28E-01	4.05E-05	5.34E-06	8.69E-02	2.74E-05	3.62E-06	3.80E-02	1.20E-05	1.58E-06	3.84E-02	1.21E-05	1.60E-06	5.36E-06	3.64E-06
5389 479108.11, 3850382.28	5.55E-02	1.75E-05	2.31E-06	3.68E-02	1.16E-05	1.53E-06	1.52E-02	4.80E-06	6.34E-07	1.57E-02	4.96E-06	6.55E-07	2.33E-06	1.56E-06
5390 479689.85, 3850674.28	1.03E-01	3.26E-05	4.30E-06	6.05E-02	1.91E-05	2.52E-06	1.58E-02	5.00E-06	6.60E-07	1.62E-02	5.12E-06	6.76E-07	4.32E-06	2.54E-06
5391 479952.42, 3850774.28	7.50E-02	2.37E-05	3.13E-06	4.54E-02	1.43E-05	1.89E-06	1.37E-02	4.33E-06	5.71E-07	1.41E-02	4.45E-06	5.88E-07	3.14E-06	1.91E-06
5392 479911.32, 3850884.85	1.15E-01	3.64E-05	4.81E-06	7.92E-02	2.50E-05	3.30E-06	3.57E-02	1.13E-05	1.49E-06	3.58E-02	1.13E-05	1.49E-06	4.81E-06	3.30E-06
5393 480500.92, 3851178.12	1.09E-01	3.45E-05	4.56E-06	7.69E-02	2.43E-05	3.20E-06	3.67E-02	1.16E-05	1.53E-06	3.81E-02	1.20E-05	1.59E-06	4.61E-06	3.26E-06
5394 480738.01, 3851289.27	1.07E-01	3.39E-05	4.47E-06	7.44E-02	2.35E-05	3.10E-06	3.44E-02	1.08E-05	1.43E-06	3.62E-02	1.14E-05	1.51E-06	4.54E-06	3.18E-06
5395 481055.42, 3851443.58	1.08E-01	3.42E-05	4.51E-06	7.42E-02	2.34E-05	3.09E-06	3.32E-02	1.05E-05	1.38E-06	3.55E-02	1.12E-05	1.48E-06	4.61E-06	3.19E-06
5396 481110.22, 3851443.15	8.46E-02	2.67E-05	3.52E-06	5.74E-02	1.81E-05	2.39E-06	2.51E-02	7.93E-06	1.05E-06	2.68E-02	8.46E-06	1.12E-06	3.59E-06	2.46E-06
5397 481111.1, 3851417.45	6.70E-02	2.11E-05	2.79E-06	4.58E-02	1.45E-05	1.91E-06	2.04E-02	6.45E-06	8.51E-07	2.17E-02	6.85E-06	9.05E-07	2.85E-06	1.96E-06
5398 482248.44, 3852605.09	9.60E-02	3.03E-05	4.00E-06	7.16E-02	2.26E-05	2.98E-06	3.86E-02	1.22E-05	1.61E-06	4.03E-02	1.27E-05	1.68E-06	4.07E-06	3.05E-06
5399 482273.34, 3852632.31	9.73E-02	3.07E-05	4.05E-06	7.28E-02	2.30E-05	3.03E-06	3.94E-02	1.24E-05	1.64E-06	4.11E-02	1.30E-05	1.71E-06	4.12E-06	3.10E-06
5400 482665.46, 3853038.72	9.79E-02	3.09E-05	4.08E-06	6.78E-02	2.14E-05	2.82E-06	3.12E-02	9.84E-06	1.30E-06	3.32E-02	1.05E-05	1.38E-06	4.16E-06	2.91E-06
5401 483077.95, 3853844.31	1.14E-01	3.60E-05	4.76E-06	6.19E-02	1.95E-05	2.58E-06	9.74E-03	3.07E-06	4.06E-07	2.07E-02	6.55E-06	8.64E-07	5.22E-06	3.04E-06
5402 483121.38, 3853909.38	1.31E-01	4.14E-05	5.46E-06	6.93E-02	2.19E-05	2.89E-06	8.53E-03	2.69E-06	3.55E-07	1.92E-02	6.05E-06	7.99E-07	5.90E-06	3.33E-06
5403 483492.64, 3853911.49	8.56E-02	2.70E-05	3.56E-06	4.42E-02	1.39E-05	1.84E-06	3.93E-03	1.24E-06	1.64E-07	6.58E-03	2.08E-06	2.74E-07	3.68E-06	1.95E-06
5404 483498.29, 3854204.73	1.36E-01	4.29E-05	5.67E-06	6.89E-02	2.17E-05	2.87E-06	4.11E-03	1.30E-06	1.71E-07	2.14E-02	6.76E-06	8.93E-07	6.39E-06	3.59E-06
5405 484132.44, 3854662.55	1.60E-01	5.06E-05	6.67E-06	7.94E-02	2.51E-05	3.31E-06	2.25E-03	7.09E-07	9.36E-08	3.97E-02	1.25E-05	1.65E-06	8.23E-06	4.87E-06
5406 484627.62, 3854876.13	1.61E-01	5.07E-05	6.70E-06	7.96E-02	2.51E-05	3.32E-06	2.04E-03	6.43E-07	8.49E-08	3.50E-02	1.11E-05	1.46E-06	8.07E-06	4.69E-06
5407 484756.14, 3854949.04	1.58E-01	4.98E-05	6.58E-06	7.81E-02	2.47E-05	3.26E-06	2.05E-03	6.46E-07	8.52E-08	3.50E-02	1.11E-05	1.46E-06	7.95E-06	4.63E-06
5408 486697.51, 3856599.17	1.48E-01	4.66E-05	6.16E-06	7.35E-02	2.32E-05	3.06E-06	2.42E-03	7.65E-07	1.01E-07	1.26E-02	3.96E-06	5.23E-07	6.58E-06	3.48E-06
5409 487105.31, 3856962.27	1.61E-01	5.09E-05	6.71E-06	8.02E-02	2.53E-05	3.34E-06	2.72E-03	8.58E-07	1.13E-07	1.16E-02	3.66E-06	4.83E-07	7.08E-06	3.71E-06
5410 487157.57, 3856901.7	1.35E-01	4.26E-05	5.62E-06	6.73E-02	2.13E-05	2.81E-06	2.54E-03	8.03E-07	1.06E-07	8.70E-03	2.75E-06	3.62E-07	5.88E-06	3.06E-06
5411 487173.5, 3856853.74	1.21E-01	3.82E-05	5.04E-06	6.04E-02	1.91E-05	2.52E-06	2.45E-03	7.72E-07	1.02E-07	7.63E-03	2.41E-06	3.18E-07	5.25E-06	2.73E-06
5412 487564.41, 3856860.83	1.08E-01	3.40E-05	4.48E-06	5.38E-02	1.70E-05	2.24E-06	2.16E-03	6.82E-07	9.00E-08	4.58E-03	1.45E-06	1.91E-07	4.58E-06	2.34E-06
5413 487563.31, 3856931.58	1.30E-01	4.11E-05	5.42E-06	6.48E-02	2.05E-05	2.70E-06	2.26E-03	7.13E-07	9.41E-08	4.96E-03	1.57E-06	2.07E-07	5.54E-06	2.81E-06
5414 487782.7, 3856926.85	1.13E-01	3.57E-05	4.71E-06	5.64E-02	1.78E-05	2.35E-06	2.12E-03	6.68E-07	8.82E-08	3.99E-03	1.26E-06	1.66E-07	4.79E-06	2.43E-06
5415 487782.39, 3856757.07	7.94E-02	2.51E-05	3.31E-06	3.99E-02	1.26E-05	1.66E-06	1.93E-03	6.09E-07	8.03E-08	3.48E-03	1.10E-06	1.45E-07	3.37E-06	1.73E-06
5416 487917.26, 3856752.41	7.72E-02	2.44E-05	3.22E-06	3.88E-02	1.22E-05	1.62E-06	1.87E-03	5.91E-07	7.81E-08	3.17E-03	1.00E-06	1.32E-07	3.27E-06	1.67E-06
5417 487919.57, 3856953.35	1.07E-01	3.37E-05	4.45E-06	5.33E-02	1.68E-05	2.22E-06	2.08E-03	6.56E-07	8.65E-08	3.66E-03	1.15E-06	1.52E-07	4.52E-06	2.29E-06
5418 487932.76, 3857000.32	1.12E-01	3.53E-05	4.66E-06	5.58E-02	1.76E-05	2.33E-06	2.12E-03	6.68E-07	8.82E-08	3.76E-03	1.19E-06	1.57E-07	4.73E-06	2.40E-06
5419 487960.5, 3857044.75	1.15E-01	3.62E-05	4.77E-06	5.71E-02	1.80E-05	2.38E-06	2.15E-03	6.79E-07	8.96E-08	3.82E-03	1.21E-06	1.59E-07	4.84E-06	2.45E-06
5420 488016.54, 3857089.54	1.14E-01	3.58E-05	4.73E-06	5.66E-02	1.79E-05	2.36E-06	2.17E-03	6.85E-07	9.04E-08	3.79E-03	1.20E-06	1.58E-07	4.80E-06	2.43E-06
5421 488114.39, 3857165.47	1.10E-01	3.48E-05	4.59E-06	5.51E-02	1.74E-05	2.29E-06	2.21E-03	6.98E-07	9.22E-08	3.74E-03	1.18E-06	1.56E-07	4.66E-06	2.36E-06
5422 488171.49, 3857234.24	1.09E-01	3.42E-05	4.52E-06	5.43E-02	1.71E-05	2.26E-06	2.28E-03	7.19E-07	9.50E-08	3.79E-03	1.20E-06	1.58E-07	4.58E-06	2.32E-06
5423 488193.16, 3857297.8	1.08E-01	3.42E-05	4.52E-06	5.43E-02	1.71E-05	2.26E-06	2.37E-03	7.50E-07	9.89E-08	3.92E-03	1.24E-06	1.63E-07	4.58E-06	2.33E-06
5424 488189.27, 3857649.94	1.13E-01	3.58E-05	4.73E-06	5.73E-02	1.81E-05	2.39E-06	3.20E-03	1.01E-06	1.33E-07	5.79E-03	1.83E-06	2.41E-07	4.84E-06	2.49E-06
5425 488127.43, 3857732.32	1.23E-01	3.87E-05	5.11E-06	6.20E-02	1.96E-05	2.58E-06	3.56E-03	1.12E-06	1.48E-07	7.24E-03	2.29E-06	3.02E-07	5.26E-06	2.74E-06
5426 488149.93, 3857752.94	1.17E-01	3.69E-05	4.87E-06	5.93E-02	1.87E-05	2.47E-06	3.59E-03	1.13E-06	1.50E-07	7.22E-03	2.28E-06	3.01E-07	5.02E-06	2.62E-06
5427 488144.76, 3857758.71	1.18E-01	3.73E-05	4.92E-06	5.99E-02	1.89E-05	2.49E-06	3.62E-03	1.14E-06	1.51E-07	7.36E-03	2.32E-06	3.07E-07	5.08E-06	2.65E-06
5428 488335.58, 3857932.55	1.11E-01	3.49E-05	4.61E-06	5.65E-02	1.78E-05	2.35E-06	4.07E-03	1.28E-06	1.69E-07	7.30E-03	2.30E-06	3.04E-07	4.75E-06	2.49E-06
5429 488372.29, 3857943.79	1.07E-01	3.38E-05	4.46E-06	5.47E-02	1.73E-05	2.28E-06	4.04E-03	1.28E-06	1.68E-07	7.01E-03	2.21E-06	2.92E-07	4.58E-06	2.40E-06
5430 488828.64, 3857936.4	7.53E-02	2.38E-05	3.14E-06	3.87E-02	1.22E-05	1.61E-06	3.17E-03	1.00E-06	1.32E-07	4.12E-03	1.30E-06	1.72E-07	3.18E-06	1.65E-06
5431 488829.08, 3857959.58	7.73E-02	2.44E-05	3.22E-06	3.97E-02	1.25E-05	1.66E-06	3.24E-03	1.02E-06	1.35E-07	4.20E-03	1.33E-06	1.75E-07	3.26E-06	1.70E-06
5432 488351.61, 3857964.55	1.14E-01	3.61E-05	4.76E-06	5.84E-02	1.84E-05	2.43E-06	4.20E-03	1.33E-06	1.75E-07	7.54E-03	2.38E-06	3.14E-07	4.90E-06	2.57E-06
5433 488316.87, 3857947.65	1.17E-01	3.70E-05	4.89E-06	5.98E-02	1.89E-05	2.49E-06	4.19E-03	1.32E-06	1.75E-07	7.76E-03	2.45E-06	3.23E-07	5.04E-06	2.64E-06
5434 488129.1, 3857775.77	1.22E-01	3.86E-05	5.10E-06	6.20E-02	1.96E-05	2.58E-06	3.72E-03	1.17E-06	1.55E-07	7.82E-03	2.47E-06	3.26E-07	5.27E-06	2.75E-06
5435 488062.53, 3857846.13	1.67E-01	5.29E-05	6.98E-06	8.42E-02	2.66E-05	3.51E-06	4.22E-03	1.33E-06	1.76E-07	1.06E-02	3.36E-06	4.44E-07	7.25E-06	3.78E-06
5436 488330.41, 3858091.34	1.73E-01	5.45E-05	7.19E-06	8.73E-02	2.76E-05	3.64E-06	5.09E-03	1.61E-06	2.12E-07	1.03E-02	3.25E-06	4.30E-07	7.41E-06	3.86E-06
5437 488470.87, 3858174.45	1.59E-01	5.01E-05	6.61E-06	8.06E-02	2.55E-05	3.36E-06	5.26E-03	1.66E-06	2.19E-07	9.25E-03	2.92E-06	3.85E-07	6.78E-06	3.53E-06
5438 488568.9, 3858262.31	1.76E-01	5.56E-05	7.34E-06	8.94E-02	2.82E-05	3.73E-06	5.74E-03	1.81E-06	2.39E-07	9.45E-03	2.98E-06	3.94E-07	7.49E-06	3.88E-06
5439 488964.27, 3858025.71	9.89E-02	3.12E-05	4.12E-06	5.02E-02	1.59E-05	2.09E-06	3.23E-03	1.02E-06	1.35E-07	3.99E-03	1.26E-06	1.66E-07	4.15E-06	2.13E-06
5440 489147.25, 3857956.64	9.19E-02	2.90E-05	3.83E-06	4.65E-02	1.47E-05	1.94E-06	2.79E-03	8.81E-07	1.16E-07	3.31E-03	1.04E-06	1.38E-07	3.85E-06	1.96E-06
5441 489343.52, 3857932.45	9.70E-02	3.06E-05	4.04E-06	4.89E-02	1.54E-05	2.04E-06	2.53E-03	7.97E-07	1.05E-07	2.90E-03	9.14E-07	1.21E-07	4.06E-06	2.05E-06
5442 489866.19, 3857923.19	9.26E-02	2.92E-05	3.86E-06	4.64E-02	1.47E-05	1.93E-06	2.10E-03	6.64E-07	8.76E-08	2.27E-03	7.16E-07	9.45E-08	3.86E-06	1.94E-06
5443 489955.65, 3857902.27	8.51E-02	2.69E-05	3.55E-06	4.27E-02	1.35E-05	1.78E-06	2.02E-03	6.37E-07	8.41E-08	2.17E-03	6.84E-07	9.03E-08	3.55E-06	1.79E-06
5444 490079.44, 3857847.9	6.31E-02	1.99E-05	2.63E-06	3.19E-02	1.01E-05	1.33E-06	1.92E-03	6.05E-07	7.98E-08	2.05E-03	6.46E-07	8.53E-08	2.63E-06	1.34E-06
5445 490108.49, 3857934.13	7.33E-02	2.32E-05	3.06E-06	3.70E-02	1.17E-05	1.54E-06	1.98E-03	6.24E-07	8.24E-08	2.09E-03	6.60E-07	8.71E-08	3.06E-06	1.55E-06
5446 489884.48, 3858014.17	6.83E-02	2.15E-05	2.84E-06	3.47E-02	1.09E-05	1.44E-06	2.20E-03	6.95E-07	9.18E-08	2.35E-03	7.41E-07	9.79E-08	2.85E-06	1.45E-06
5447 489326.56, 3858025.86	9.02E-02	2.85E-05	3.76E-06	4.57E-02	1.44E-05	1.90E-06	2.72E-03	8.60E-07	1.13E-07	3.10E-03	9.78E-07	1.29E-07	3.77E-06	1.92E-06
5448 489130.38, 3858056.71	1.02E-01	3.22E-05	4.25E-06	5.16E-02	1.63E-05	2.15E-06	3.04E-03	9.60E-07	1.27E-07	3.59E-03	1.13E-06	1.50E-07	4.27E-06	2.17E-06

5449	488936.49, 3858143.93	1.14E-01	3.61E-05	4.76E-06	5.80E-02	1.83E-05	2.42E-06	3.69E-03	1.17E-06	1.54E-07	4.61E-03	1.45E-06	1.92E-07	4.80E-06	2.46E-06
5450	488638.08, 3858327.45	1.65E-01	5.21E-05	6.88E-06	8.43E-02	2.66E-05	3.51E-06	6.04E-03	1.91E-06	2.52E-07	9.47E-03	2.99E-06	3.95E-07	7.02E-06	3.65E-06
5451	488663.79, 3858349.57	1.60E-01	5.05E-05	6.67E-06	8.19E-02	2.59E-05	3.41E-06	6.13E-03	1.94E-06	2.56E-07	9.42E-03	2.97E-06	3.93E-07	6.81E-06	3.55E-06
5452	488694.56, 3858349.5	1.48E-01	4.67E-05	6.16E-06	7.59E-02	2.39E-05	3.16E-06	5.94E-03	1.87E-06	2.47E-07	8.81E-03	2.78E-06	3.67E-07	6.28E-06	3.28E-06
5453	488694.35, 3858336.75	1.45E-01	4.57E-05	6.04E-06	7.43E-02	2.34E-05	3.09E-06	5.80E-03	1.83E-06	2.42E-07	8.57E-03	2.71E-06	3.57E-07	6.15E-06	3.21E-06
5454	488712.81, 3858336.38	1.38E-01	4.35E-05	5.74E-06	7.07E-02	2.23E-05	2.95E-06	5.70E-03	1.80E-06	2.37E-07	8.26E-03	2.61E-06	3.44E-07	5.84E-06	3.05E-06
5455	488713.23, 3858367.46	1.44E-01	4.54E-05	5.99E-06	7.39E-02	2.33E-05	3.08E-06	6.03E-03	1.90E-06	2.51E-07	8.83E-03	2.79E-06	3.68E-07	6.11E-06	3.19E-06
5456	488704.63, 3858384.05	1.49E-01	4.69E-05	6.20E-06	7.65E-02	2.41E-05	3.19E-06	6.28E-03	1.98E-06	2.62E-07	9.35E-03	2.95E-06	3.90E-07	6.33E-06	3.31E-06
5457	488604.15, 3858488.29	1.67E-01	5.27E-05	6.96E-06	8.73E-02	2.75E-05	3.64E-06	9.26E-03	2.92E-06	3.86E-07	1.81E-02	5.70E-06	7.53E-07	7.32E-06	4.00E-06
5458	488605.66, 3858550.47	1.82E-01	5.73E-05	7.57E-06	9.58E-02	3.02E-05	3.99E-06	1.14E-02	3.60E-06	4.75E-07	2.54E-02	8.00E-06	1.06E-06	8.15E-06	4.57E-06
5459	488692.68, 3858548.71	1.65E-01	5.22E-05	6.89E-06	8.67E-02	2.74E-05	3.61E-06	9.63E-03	3.04E-06	4.01E-07	1.64E-02	5.17E-06	6.83E-07	7.17E-06	3.89E-06
5460	488759.93, 3858461.81	1.29E-01	4.07E-05	5.37E-06	6.72E-02	2.12E-05	2.80E-06	6.93E-03	2.19E-06	2.89E-07	9.99E-03	3.15E-06	4.16E-07	5.49E-06	2.93E-06
5461	488816.57, 3858541.79	1.57E-01	4.95E-05	6.53E-06	8.14E-02	2.57E-05	3.39E-06	7.79E-03	2.46E-06	3.24E-07	1.08E-02	3.41E-06	4.50E-07	6.66E-06	3.51E-06
5462	488944.63, 3858656.77	1.27E-01	4.02E-05	5.31E-06	6.77E-02	2.14E-05	2.82E-06	8.77E-03	2.77E-06	3.65E-07	1.09E-02	3.46E-06	4.56E-07	5.40E-06	2.91E-06
5463	489134.91, 3858830.7	1.10E-01	3.49E-05	4.60E-06	6.08E-02	1.92E-05	2.53E-06	1.09E-02	3.45E-06	4.55E-07	1.28E-02	4.03E-06	5.32E-07	4.68E-06	2.61E-06
5464	489193.99, 3858886.05	1.12E-01	3.53E-05	4.66E-06	6.22E-02	1.96E-05	2.59E-06	1.19E-02	3.76E-06	4.96E-07	1.36E-02	4.30E-06	5.67E-07	4.74E-06	2.66E-06
5465	489295.2, 3858954.34	1.13E-01	3.57E-05	4.71E-06	6.32E-02	1.99E-05	2.63E-06	1.26E-02	3.96E-06	5.23E-07	1.37E-02	4.32E-06	5.70E-07	4.76E-06	2.68E-06
5466	489295.64, 3858992.74	1.22E-01	3.85E-05	5.08E-06	6.90E-02	2.18E-05	2.87E-06	1.49E-02	4.71E-06	6.22E-07	1.63E-02	5.15E-06	6.79E-07	5.14E-06	2.93E-06
5467	489183.74, 3858911.72	1.15E-01	3.62E-05	4.78E-06	6.46E-02	2.04E-05	2.69E-06	1.36E-02	4.29E-06	5.66E-07	1.58E-02	4.97E-06	6.56E-07	4.87E-06	2.78E-06
5468	488873.37, 3858625.59	1.54E-01	4.86E-05	6.41E-06	8.07E-02	2.55E-05	3.36E-06	8.97E-03	2.83E-06	3.74E-07	1.19E-02	3.76E-06	4.97E-07	6.54E-06	3.49E-06
5469	488842.84, 3858658.69	1.57E-01	4.96E-05	6.55E-06	8.33E-02	2.63E-05	3.47E-06	1.05E-02	3.32E-06	4.39E-07	1.48E-02	4.66E-06	6.15E-07	6.72E-06	3.65E-06
5470	488856.39, 3858670.93	1.51E-01	4.77E-05	6.30E-06	8.05E-02	2.54E-05	3.35E-06	1.07E-02	3.37E-06	4.45E-07	1.48E-02	4.67E-06	6.17E-07	6.47E-06	3.53E-06
5471	488805.7, 3858724.5	1.67E-01	5.26E-05	6.95E-06	9.09E-02	2.87E-05	3.79E-06	1.50E-02	4.74E-06	6.26E-07	2.45E-02	7.73E-06	1.02E-06	7.34E-06	4.18E-06
5472	488805.87, 3858804.16	1.84E-01	5.82E-05	7.68E-06	1.06E-01	3.34E-05	4.41E-06	2.49E-02	7.86E-06	1.04E-06	5.51E-02	1.74E-05	2.29E-06	8.94E-06	5.67E-06
5473	488995.78, 3858936.96	1.84E-01	5.81E-05	7.67E-06	1.10E-01	3.48E-05	4.60E-06	3.22E-02	1.01E-05	1.34E-06	5.44E-02	1.72E-05	2.27E-06	8.59E-06	5.52E-06
5474	489130.76, 3859017.38	1.70E-01	5.38E-05	7.10E-06	1.05E-01	3.32E-05	4.38E-06	3.43E-02	1.08E-05	1.43E-06	4.54E-02	1.43E-05	1.89E-06	7.56E-06	4.84E-06
5475	489130.92, 3859052.24	1.93E-01	6.08E-05	8.03E-06	1.28E-01	4.04E-05	5.33E-06	5.28E-02	1.67E-05	2.20E-06	7.15E-02	2.26E-05	2.98E-06	8.81E-06	6.11E-06
5476	489200.33, 3859090.6	1.88E-01	5.93E-05	7.83E-06	1.26E-01	3.96E-05	5.23E-06	5.27E-02	1.66E-05	2.20E-06	6.49E-02	2.05E-05	2.71E-06	8.34E-06	5.74E-06
5477	489296.07, 3859143.7	1.88E-01	5.94E-05	7.84E-06	1.26E-01	3.96E-05	5.23E-06	5.26E-02	1.66E-05	2.19E-06	6.29E-02	1.98E-05	2.62E-06	8.27E-06	5.66E-06
5478	489296.43, 3858954.74	1.13E-01	3.57E-05	4.71E-06	6.31E-02	1.99E-05	2.63E-06	1.25E-02	3.96E-06	5.22E-07	1.37E-02	4.31E-06	5.69E-07	4.75E-06	2.67E-06
5479	489410.33, 3859033.19	1.30E-01	4.10E-05	5.41E-06	7.19E-02	2.27E-05	2.99E-06	1.34E-02	4.24E-06	5.59E-07	1.41E-02	4.47E-06	5.89E-07	5.44E-06	3.02E-06
5480	489371.37, 3859089.8	1.38E-01	4.34E-05	5.73E-06	8.03E-02	2.53E-05	3.34E-06	2.06E-02	6.50E-06	8.58E-07	2.24E-02	7.07E-06	9.33E-07	5.81E-06	3.42E-06
5481	489390.52, 3859102.82	1.40E-01	4.41E-05	5.82E-06	8.16E-02	2.57E-05	3.40E-06	2.09E-02	6.61E-06	8.73E-07	2.28E-02	7.18E-06	9.48E-07	5.90E-06	3.47E-06
5482	489382.3, 3859114.53	1.45E-01	4.59E-05	6.05E-06	8.60E-02	2.71E-05	3.58E-06	2.36E-02	7.44E-06	9.82E-07	2.59E-02	8.17E-06	1.08E-06	6.15E-06	3.68E-06
5483	489363.04, 3859102.45	1.42E-01	4.48E-05	5.91E-06	8.41E-02	2.65E-05	3.50E-06	2.33E-02	7.36E-06	9.71E-07	2.57E-02	8.10E-06	1.07E-06	6.01E-06	3.60E-06
5484	489337.52, 3859140.71	1.67E-01	5.26E-05	6.94E-06	1.06E-01	3.33E-05	4.40E-06	3.80E-02	1.20E-05	1.58E-06	4.37E-02	1.38E-05	1.82E-06	7.18E-06	4.64E-06
5485	489375.14, 3859164.55	1.77E-01	5.57E-05	7.36E-06	1.11E-01	3.52E-05	4.64E-06	3.95E-02	1.25E-05	1.65E-06	4.51E-02	1.42E-05	1.88E-06	7.59E-06	4.88E-06
5486	489409.3, 3859114.5	1.41E-01	4.44E-05	5.86E-06	8.22E-02	2.59E-05	3.42E-06	2.11E-02	6.67E-06	8.81E-07	2.29E-02	7.24E-06	9.56E-07	5.94E-06	3.50E-06
5487	489434.87, 3859131.81	1.48E-01	4.66E-05	6.15E-06	8.58E-02	2.71E-05	3.57E-06	2.16E-02	6.83E-06	9.01E-07	2.34E-02	7.39E-06	9.75E-07	6.22E-06	3.65E-06
5488	489471.87, 3859075.75	1.23E-01	3.87E-05	5.10E-06	6.86E-02	2.17E-05	2.86E-06	1.40E-02	4.40E-06	5.81E-07	1.47E-02	4.62E-06	6.10E-07	5.13E-06	2.89E-06
5489	489602.62, 3859164.69	1.38E-01	4.36E-05	5.76E-06	7.70E-02	2.43E-05	3.21E-06	1.51E-02	4.78E-06	6.31E-07	1.58E-02	4.99E-06	6.59E-07	5.79E-06	3.24E-06
5490	489558.29, 3859232.45	1.58E-01	5.00E-05	6.60E-06	9.52E-02	3.01E-05	3.97E-06	2.81E-02	8.87E-06	1.17E-06	3.00E-02	9.47E-06	1.25E-06	6.68E-06	4.05E-06
5491	489620.11, 3859273.56	1.66E-01	5.22E-05	6.90E-06	1.00E-01	3.16E-05	4.16E-06	3.01E-02	9.48E-06	1.25E-06	3.20E-02	1.01E-05	1.33E-06	6.98E-06	4.25E-06
5492	489666.06, 3859206.42	1.26E-01	3.97E-05	5.25E-06	7.14E-02	2.25E-05	2.98E-06	1.57E-02	4.96E-06	6.54E-07	1.64E-02	5.17E-06	6.82E-07	5.27E-06	3.00E-06
5493	489787.9, 3859285.65	1.37E-01	4.31E-05	5.69E-06	7.74E-02	2.44E-05	3.22E-06	1.68E-02	5.30E-06	7.00E-07	1.76E-02	5.55E-06	7.33E-07	5.73E-06	3.26E-06
5494	489752.17, 3859343.13	1.55E-01	4.88E-05	6.45E-06	9.42E-02	2.97E-05	3.92E-06	2.92E-02	9.22E-06	1.22E-06	3.12E-02	9.84E-06	1.30E-06	6.53E-06	4.01E-06
5495	489814.94, 3859385.33	1.62E-01	5.12E-05	6.76E-06	9.93E-02	3.14E-05	4.14E-06	3.15E-02	9.93E-06	1.31E-06	3.36E-02	1.06E-05	1.40E-06	6.85E-06	4.23E-06
5496	489853.42, 3859330.74	1.25E-01	3.94E-05	5.21E-06	7.23E-02	2.28E-05	3.01E-06	1.77E-02	5.59E-06	7.38E-07	1.86E-02	5.87E-06	7.75E-07	5.24E-06	3.05E-06
5497	489969.5, 3859401.91	1.45E-01	4.58E-05	6.05E-06	8.26E-02	2.61E-05	3.44E-06	1.86E-02	5.87E-06	7.74E-07	1.96E-02	6.17E-06	8.15E-07	6.09E-06	3.48E-06
5498	490166.91, 3859486.96	1.29E-01	4.08E-05	5.39E-06	7.39E-02	2.33E-05	3.08E-06	1.70E-02	5.36E-06	7.07E-07	1.77E-02	5.60E-06	7.39E-07	5.42E-06	3.11E-06
5499	490128.86, 3859571.46	1.55E-01	4.88E-05	6.45E-06	1.03E-01	3.24E-05	4.28E-06	4.25E-02	1.34E-05	1.77E-06	4.42E-02	1.39E-05	1.84E-06	6.51E-06	4.35E-06
5500	490186.65, 3859593.65	1.59E-01	5.02E-05	6.63E-06	1.05E-01	3.32E-05	4.38E-06	4.28E-02	1.35E-05	1.78E-06	4.48E-02	1.41E-05	1.87E-06	6.71E-06	4.46E-06
5501	490223.74, 3859517.48	1.19E-01	3.75E-05	4.95E-06	6.92E-02	2.18E-05	2.88E-06	1.77E-02	5.57E-06	7.36E-07	1.84E-02	5.81E-06	7.67E-07	4.98E-06	2.91E-06
5502	490846.34, 3859817.22	1.32E-01	4.17E-05	5.50E-06	8.09E-02	2.55E-05	3.37E-06	2.57E-02	8.11E-06	1.07E-06	2.82E-02	8.90E-06	1.17E-06	5.61E-06	3.47E-06
5503	490925.65, 3859844.59	1.29E-01	4.08E-05	5.38E-06	7.82E-02	2.47E-05	3.26E-06	2.38E-02	7.50E-06	9.90E-07	2.60E-02	8.22E-06	1.08E-06	5.47E-06	3.35E-06
5504	491159.29, 3859896.28	1.19E-01	3.74E-05	4.94E-06	6.85E-02	2.16E-05	2.85E-06	1.67E-02	5.26E-06	6.94E-07	1.74E-02	5.48E-06	7.24E-07	4.97E-06	2.88E-06
5505	491370.69, 3859960.89	1.03E-01	3.26E-05	4.30E-06	5.84E-02	1.84E-05	2.43E-06	1.27E-02	4.02E-06	5.30E-07	1.32E-02	4.16E-06	5.49E-07	4.32E-06	2.45E-06
5506	491330.28, 3860063.17	1.21E-01	3.82E-05	5.05E-06	7.43E-02	2.34E-05	3.10E-06	2.37E-02	7.49E-06	9.89E-07	2.41E-02	7.62E-06	1.01E-06	5.07E-06	3.11E-06
5507	491636.45, 3860180.75	9.60E-02	3.03E-05	4.00E-06	5.50E-02	1.74E-05	2.29E-06	1.27E-02	4.02E-06	5.31E-07	1.35E-02	4.27E-06	5.64E-07	4.03E-06	2.32E-06
5508	491617.94, 3860203.93	1.10E-01	3.47E-05	4.58E-06	6.30E-02	1.99E-05	2.63E-06	1.47E-02	4.64E-06	6.13E-07	1.57E-02	4.96E-06	6.55E-07	4.63E-06	2.67E-06
5509	491805.68, 3860271.59	8.06E-02	2.54E-05	3.36E-06	4.63E-02	1.46E-05	1.93E-06	1.10E-02	3.48E-06	4.59E-07	1.18E-02	3.74E-06	4.93E-07	3.39E-06	1.96E-06
5510	491654.23, 3860414.02	1.21E-01	3.81E-05	5.04E-06	9.56E-02	3.02E-05	3.98E-06	5.69E-02	1.80E-05	2.37E-06	6.47E-02	2.04E-05	2.69E-06	5.36E-06	4.30E-06
5511	491592.62, 3860510.76	3.13E-02	9.87E-06	1.30E-06	2.23E-02	7.04E-06	9.30E-07	1.10E-02	3.47E-06	4.58E-07	1.08E-02	3.40E-06	4.49E-07	1.29E-06	9.21E-07
5512	491475.41, 3860368.93	6.12E-02	1.93E-05	2.55E-06	4.17E-02	1.32E-05	1.74E-06	1.85E-02	5.84E-06	7.71E-07	1.80E-02	5.68E-06	7.49E-07	2.53E-06	1.72E-06
5513	491445.61, 3860337.28	6.62E-02	2.09E-05	2.76E-06	4.55E-02	1.44E-05	1.89E-06	2.06E-02	6.50E-06	8.57E-07	2.03E-02	6.39E-06	8.44E-07	2.74E-06	1.88E-06
5514	491399.05, 3860300.37	6.78E-02	2.14E-05	2.83E-06	4.65E-02	1.47E-05	1.94E-06	2.09E-02	6.61E-06	8.73E-07	2.11E-02	6.66E-06	8.79E-07	2.83E-06	1.95E-06
5515	491228.84, 3860235.98	5.00E-02	1.58E-05	2.08E-06	3.10E-02	9.78E-06	1.29E-06	1.03E-02	3.25E-06	4.29E-07	1.08E-02	3.42E-06	4.52E-07	2.11E-06	1.31E-06
5516	491228.47, 3860174.57	7.59E-02	2.39E-05	3.16E-06	4.96E-02	1.57E-05	2.07E-06	1.96E-02	6.19E-06	8.17E-07	2.13E-02	6.72E-06	8.87E-07	3.23E-06	2.14E-06
5517	491145.77, 3860112.55	7.29E-02	2.30E-05	3.04E-06	4.81E-02	1.52E-05	2.00E-06	1.95E-02	6.15E-06	8.11E-07	2.14E-02	6.75E-06	8.92E-07	3.12E-06	2.08E-06
5518	490844.41, 3859966.22	7.05E-02	2.23E-05	2.94E-06	4.60E-02	1.45E-05	1.92E-06	1.81E-02	5.72E-06	7.56E-07	1.76E-02	5.57E-06	7.35E-07	2.92E-06	1.90E-06
5519	490845.55, 3859928.15	1.10E-01	3.47E-05	4.57E-06	7.93E-02	2.50E-05	3.31E-06	4.01E-02	1.27E-05	1.67E-06	3.70E-02	1.17E-05	1.54E-06	4.44E-06	3.17E-06
5520	490046.91, 3859625.6	9.40E-02	2.97E-05	3.92E-06	6.30E-02	1.99E-05	2.63E-06	2.68E-02	8.45E-06	1.12E-06	2.80E-02	8.85E-06	1.17E-06	3.97E-06	2.68E-06
5521	489970.48, 3859589.4	9.79E-02	3.09E-05	4.08E-06	6.58E-02	2.08E-05	2.74E-06	2.81E-02	8.85E-06	1.17E-06	2.85E-02	8.99E-06	1.19E-06	4.10E-06	2.76E-06
5522	489865.89, 3859529.06	1.11E-01	3.51E-05	4.63E-06	7.39E-02	2.33E-05	3.08E-06	3.06E-02	9.67E-06	1.28E-06	3.06E-02	9.66E-06	1.28E-06	4.63E-06	3.08E-06
5523	489826.89, 3859531.74	8.94E-02	2.82E-05	3.72E-06	5.63E-02	1.78E-05	2.34E-06	1.98E-02	6.24E-06	8.24E-07	1.99E-02	6.28E-06	8.28E-07	3.73E-06	2.35E-06
5524	489410.47, 3859303.06	1.04E-01	3.29E-05	4.35E-06	6.34E-02	2.00E-05	2.64E-06	1.96E-02	6.18E-06	8.15E-07	1.87E-02	5.89E-06	7.78E-07	4.31E-06	2.61E-06
5525	489407.15, 3859286.09	1.17E-01	3.68E-05	4.86E-06	7.31E-02	2.31E-05	3.04E-06	2.53E-02	7.99E-06	1.06E-06	2.37E-02	7.49E-06	9.88E-07	4.79E-06	2.98E-06
5526	488806.07, 3858963.62	1.87E-01	5.90E-05	7.79E-06	1.05E-01	3.31E-05	4.37E-06	2.17E-02	6.86E-06	9.05E-07	1.05E-02	3.31E-06	4.37E-07	7.32E-06	3.91E-06
5527	488817.64, 3859546.3	1.52E-01	4.78E-05	6.31E-06	7.50E-02	2.37E-05	3.12E-06	1.90E-03	6.00E-07	7.92E-08	1.83E-03	5.77E-07	7.62E-08	6.31E-06	3.12E-06
5528	489187.25, 3859549.52	1.05E-01	3.31E-05	4.37E-06	5.28E-02	1.67E-05	2.20E-06	2.69E-03	8.50E-07	1.12E-07	2.66E-03	8.40E-07	1.11E-07	4.37E-06	2.20E-06
5529	489187.66, 3859523.74	9.18E-02	2.90E-05	3.82E-06	4.65E-02	1.47E-05	1.94E-06	2.86E-03	9.03E-07	1.19E-07	2.82E-03	8.90E-07	1.18E-07	3.82E-06	1.94E-06
5530	489232.59, 3859522.85	8.86E-02	2.80E-05	3.69E-06	4.51E-02	1.42E-05	1.88E-06	3.05E-03	9.63E-07	1.27E-07	3.01E-03	9.52E-07	1.26E-07	3.69E-06	1.88E-06
5531	489224.98, 3859759.91	8.05E-02	2.54E-05	3.35E-06	4.04E-02	1.28E-05	1.68E-06	1.92E-03	6.05E-07	7.98E-08	1.91E-03	6.04E-07	7.97E-08	3.35E-06	1.68E-06
5532	488401.39, 3859763.34	1.35E-01	4.26E-05	5.62E-06	6.65E-02	2.10E-05	2.77E-06	1.19E-03	3.74E-07	4.94E-08	1.14E-03	3.59E-07	4.73E-08	5.62E-06	2.77E-06
5533	488405.51, 3859966.16	1.46E-01	4.61E-05	6.09E-06	7.18E-02	2.27E-05	2.99E-06	1.04E-03	3.30E-07	4.35E-08	1.02E-03	3.21E-07	4.24E-08	6.09E-06	2.99E-06
5534	489202.85, 3859956.57	9.53E-02	3.01E-05	3.97E-06	4.74E-02	1.50E-05	1.97E-06	1.48E-03	4.68E-07	6.18E-08	1.48E-03	4.68E-07	6.18E-08	3.97E-06	1.97E-06
5535	489191.9, 3860676.74	5.16E-02	1.63E-05	2.15E-06	2.57E-02	8.11E-06	1.07E-06	8.65E-04	2.73E-07	3.60E-08	8.75E-04	2.76E-07	3.64E-08	2.15E-06	1.07E-06
5536	488392.82, 3860687.88	8.54E-02	2.69E-05	3.56E-06	4.20E-02	1.33E-05	1.75E-06	7.17E-04	2.26E-07	2.99E-08	7.08E-04	2.24E-07	2.95E-08	3.56E-06	1.75E-06
5537	488392.82, 3860760.27	3.92E-02	1.24E-05	1.63E-06	1.95E-02	6.16E-06	8.14E-07	6.97E-04	2.20E-07	2.90E-08	6.89E-04	2.17E-07	2.87E-08	1.63E-06	8.13E-07
5538	487549.05, 3860777.45	1.38E-02	4.35E-06	5.74E-07	7.08E-03	2.24E-06	2.95E-07	5.92E-04	1.87E-07	2.47E-08	5.76E-04	1.82E-07	2.40E-08	5.73E-07	2.94E-07
5539	487554.62, 3859571.83	9.00E-02	2.84E-05	3.75E-06	4.45E-02	1.40E-05	1.85E-06	9.98E-04	3.15E-07	4.16E-08	9.06E-04	2.86E-07	3.77E-08	3.75E-06	1.85E-06
5540	485949.46, 3859558.54	1.42E-02	4.49E-06	5.93E-07	7.37E-03	2.33E-06	3.07E-07	6.86E-04	2.17E-07	2.86E-08	6.20E-04	1.96E-07	2.58E-08	5.90E-07	3.04E-07
5541	485947.55, 3857943.61	4.96E-02	1.57E-05	2.07E-06	2.53E-02	7.99E-06	1.05E-06	1.80E-03	5.68E-07	7.49E-08	9.71E-04	3.07E-07	4.05E-08	2.03E-06	1.02E-06
5542	484738.38, 3857940.21	1.73E-02	5.46E-06	7.20E-07	9.01E-03	2.84E-06	3.76E-07	9.24E-04	2.92E-07	3.85E-08	6.81E-04	2.15E-07	2.84E-08	7.10E-07	3.65E-07

5543	484737.06, 3857535.68	2.41E-02	7.60E-06	1.00E-06	1.25E-02	3.93E-06	5.19E-07	1.16E-03	3.65E-07	4.82E-08	7.54E-04	2.38E-07	3.14E-08	9.86E-07	5.02E-07
5544	483730.2, 3857530.13	1.57E-02	4.95E-06	6.53E-07	8.14E-03	2.57E-06	3.39E-07	7.91E-04	2.50E-07	3.30E-08	6.07E-04	1.92E-07	2.53E-08	6.46E-07	3.32E-07
5545	483727.27, 3857130.01	3.03E-02	9.55E-06	1.26E-06	1.53E-02	4.84E-06	6.38E-07	9.24E-04	2.92E-07	3.85E-08	6.61E-04	2.09E-07	2.75E-08	1.25E-06	6.27E-07
5546	483124.42, 3857123.45	1.78E-02	5.61E-06	7.40E-07	9.14E-03	2.89E-06	3.81E-07	7.69E-04	2.43E-07	3.20E-08	5.96E-04	1.88E-07	2.48E-08	7.33E-07	3.74E-07
5547	483111.13, 3855921.03	7.71E-02	2.43E-05	3.21E-06	3.84E-02	1.21E-05	1.60E-06	1.31E-03	4.14E-07	5.46E-08	7.85E-04	2.48E-07	3.27E-08	3.19E-06	1.58E-06
5548	482701.73, 3855918.24	2.91E-02	9.17E-06	1.21E-06	1.48E-02	4.68E-06	6.18E-07	1.05E-03	3.32E-07	4.39E-08	7.21E-04	2.28E-07	3.01E-08	1.20E-06	6.04E-07
5549	482668.02, 3853521.78	5.59E-02	1.76E-05	2.33E-06	3.29E-02	1.04E-05	1.37E-06	8.86E-03	2.80E-06	3.69E-07	8.05E-03	2.54E-06	3.36E-07	2.29E-06	1.34E-06
5550	482579.91, 3853219.19	4.90E-02	1.55E-05	2.04E-06	3.08E-02	9.71E-06	1.28E-06	1.07E-02	3.37E-06	4.45E-07	1.12E-02	3.53E-06	4.66E-07	2.06E-06	1.30E-06
5551	482434.06, 3852961.94	4.98E-02	1.57E-05	2.08E-06	3.40E-02	1.07E-05	1.42E-06	1.51E-02	4.75E-06	6.27E-07	1.60E-02	5.04E-06	6.65E-07	2.11E-06	1.45E-06
5552	482332.11, 3852832.85	5.19E-02	1.64E-05	2.16E-06	3.79E-02	1.20E-05	1.58E-06	1.95E-02	6.17E-06	8.14E-07	2.08E-02	6.55E-06	8.65E-07	2.21E-06	1.63E-06
5553	481334.99, 3851818.96	4.25E-02	1.34E-05	1.77E-06	3.11E-02	9.81E-06	1.29E-06	1.61E-02	5.09E-06	6.72E-07	1.71E-02	5.39E-06	7.11E-07	1.81E-06	1.33E-06
5554	481127.62, 3851646.36	4.21E-02	1.33E-05	1.75E-06	2.95E-02	9.30E-06	1.23E-06	1.39E-02	4.38E-06	5.78E-07	1.45E-02	4.57E-06	6.04E-07	1.78E-06	1.25E-06
5555	481025.04, 3851591.73	3.92E-02	1.24E-05	1.63E-06	2.73E-02	8.60E-06	1.14E-06	1.27E-02	4.00E-06	5.28E-07	1.31E-02	4.15E-06	5.47E-07	1.65E-06	1.15E-06
5556	480513.6, 3851335.76	4.06E-02	1.28E-05	1.69E-06	2.81E-02	8.88E-06	1.17E-06	1.30E-02	4.09E-06	5.40E-07	1.37E-02	4.34E-06	5.73E-07	1.72E-06	1.20E-06
5557	480523.56, 3851317.66	5.28E-02	1.67E-05	2.20E-06	3.70E-02	1.17E-05	1.54E-06	1.75E-02	5.54E-06	7.31E-07	1.86E-02	5.88E-06	7.76E-07	2.25E-06	1.59E-06
5558	476921.56, 3849569.11	4.08E-02	1.29E-05	1.70E-06	2.98E-02	9.42E-06	1.24E-06	1.55E-02	4.88E-06	6.44E-07	1.62E-02	5.11E-06	6.74E-07	1.73E-06	1.27E-06
5559	476521.19, 3849373.96	4.80E-02	1.52E-05	2.00E-06	3.54E-02	1.12E-05	1.47E-06	1.86E-02	5.87E-06	7.75E-07	1.94E-02	6.11E-06	8.07E-07	2.03E-06	1.51E-06
5560	476391.45, 3849333.38	4.96E-02	1.57E-05	2.07E-06	3.70E-02	1.17E-05	1.54E-06	1.99E-02	6.27E-06	8.28E-07	2.08E-02	6.56E-06	8.66E-07	2.10E-06	1.58E-06
5561	476219.41, 3849304.29	4.45E-02	1.40E-05	1.85E-06	3.28E-02	1.04E-05	1.37E-06	1.73E-02	5.47E-06	7.22E-07	1.82E-02	5.75E-06	7.59E-07	1.89E-06	1.40E-06
5562	475679.11, 3849218.47	4.00E-02	1.26E-05	1.67E-06	2.85E-02	9.01E-06	1.19E-06	1.41E-02	4.44E-06	5.87E-07	1.47E-02	4.64E-06	6.13E-07	1.69E-06	1.22E-06
5563	475677.71, 3849233.88	3.19E-02	1.01E-05	1.33E-06	2.28E-02	7.20E-06	9.50E-07	1.13E-02	3.56E-06	4.70E-07	1.18E-02	3.72E-06	4.91E-07	1.35E-06	9.71E-07
5564	475492.74, 3849204.66	2.45E-02	7.73E-06	1.02E-06	1.70E-02	5.37E-06	7.08E-07	7.86E-03	2.48E-06	3.27E-07	8.25E-03	2.60E-06	3.44E-07	1.04E-06	7.24E-07
5565	475497.64, 3849158.75	6.15E-02	1.94E-05	2.56E-06	4.19E-02	1.32E-05	1.75E-06	1.85E-02	5.84E-06	7.71E-07	1.94E-02	6.12E-06	8.08E-07	2.60E-06	1.78E-06
5566	475391.35, 3849141.94	3.85E-02	1.21E-05	1.60E-06	2.78E-02	8.78E-06	1.16E-06	1.41E-02	4.46E-06	5.88E-07	1.48E-02	4.66E-06	6.16E-07	1.63E-06	1.19E-06
5567	475277, 3849095.47	3.66E-02	1.16E-05	1.52E-06	2.66E-02	8.40E-06	1.11E-06	1.36E-02	4.30E-06	5.68E-07	1.43E-02	4.50E-06	5.94E-07	1.55E-06	1.13E-06
5568	475183.93, 3849025.66	4.48E-02	1.41E-05	1.87E-06	3.33E-02	1.05E-05	1.39E-06	1.78E-02	5.61E-06	7.41E-07	1.87E-02	5.89E-06	7.78E-07	1.90E-06	1.42E-06
5569	474453.23, 3848378.77	4.62E-02	1.46E-05	1.93E-06	3.89E-02	1.23E-05	1.62E-06	2.54E-02	8.01E-06	1.06E-06	2.66E-02	8.41E-06	1.11E-06	1.98E-06	1.67E-06
5570	474569.63, 3848399.34	8.23E-02	2.60E-05	3.43E-06	7.53E-02	2.38E-05	3.14E-06	5.46E-02	1.72E-05	2.28E-06	5.74E-02	1.81E-05	2.39E-06	3.54E-06	3.25E-06
5571	474644.33, 3848464.52	8.47E-02	2.67E-05	3.53E-06	7.70E-02	2.43E-05	3.21E-06	5.54E-02	1.75E-05	2.31E-06	5.82E-02	1.84E-05	2.42E-06	3.64E-06	3.32E-06
5572	474719.04, 3848529.7	8.72E-02	2.75E-05	3.63E-06	7.89E-02	2.49E-05	3.29E-06	5.66E-02	1.78E-05	2.36E-06	5.94E-02	1.87E-05	2.47E-06	3.75E-06	3.41E-06
5573	474793.74, 3848594.88	8.93E-02	2.82E-05	3.72E-06	8.06E-02	2.55E-05	3.36E-06	5.76E-02	1.82E-05	2.40E-06	6.04E-02	1.91E-05	2.52E-06	3.84E-06	3.48E-06
5574	474868.45, 3848660.07	9.09E-02	2.87E-05	3.79E-06	8.16E-02	2.58E-05	3.40E-06	5.79E-02	1.83E-05	2.41E-06	6.07E-02	1.92E-05	2.53E-06	3.90E-06	3.52E-06
5575	474943.15, 3848725.25	9.34E-02	2.95E-05	3.89E-06	8.35E-02	2.64E-05	3.48E-06	5.89E-02	1.86E-05	2.46E-06	6.18E-02	1.95E-05	2.58E-06	4.01E-06	3.60E-06
5576	475017.86, 3848790.43	9.72E-02	3.07E-05	4.05E-06	8.66E-02	2.73E-05	3.61E-06	6.09E-02	1.92E-05	2.54E-06	6.38E-02	2.02E-05	2.66E-06	4.17E-06	3.73E-06
5577	475092.56, 3848855.61	1.00E-01	3.17E-05	4.18E-06	8.90E-02	2.81E-05	3.71E-06	6.22E-02	1.96E-05	2.59E-06	6.52E-02	2.06E-05	2.72E-06	4.31E-06	3.83E-06
5578	475232.58, 3848959.38	9.41E-02	2.97E-05	3.92E-06	7.96E-02	2.51E-05	3.32E-06	5.24E-02	1.65E-05	2.18E-06	5.50E-02	1.73E-05	2.29E-06	4.03E-06	3.42E-06
5579	475368.47, 3849029.98	9.98E-02	3.15E-05	4.16E-06	8.36E-02	2.64E-05	3.48E-06	5.43E-02	1.71E-05	2.26E-06	5.74E-02	1.81E-05	2.39E-06	4.29E-06	3.61E-06
5580	475609.57, 3849096.09	9.02E-02	2.85E-05	3.76E-06	7.31E-02	2.31E-05	3.04E-06	4.52E-02	1.43E-05	1.88E-06	4.76E-02	1.50E-05	1.98E-06	3.86E-06	3.15E-06
5581	475680.68, 3849116.62	9.71E-02	3.07E-05	4.05E-06	8.08E-02	2.55E-05	3.36E-06	5.19E-02	1.64E-05	2.16E-06	5.50E-02	1.74E-05	2.29E-06	4.18E-06	3.49E-06
5582	475843.76, 3849151.52	1.11E-01	3.52E-05	4.64E-06	9.56E-02	3.02E-05	3.98E-06	6.41E-02	2.02E-05	2.67E-06	6.77E-02	2.14E-05	2.82E-06	4.80E-06	4.14E-06
5583	475935.73, 3849165.89	1.04E-01	3.30E-05	4.35E-06	8.89E-02	2.81E-05	3.70E-06	5.90E-02	1.86E-05	2.46E-06	6.21E-02	1.96E-05	2.59E-06	4.48E-06	3.83E-06
5584	476027.7, 3849180.26	1.05E-01	3.31E-05	4.37E-06	8.91E-02	2.81E-05	3.71E-06	5.90E-02	1.86E-05	2.46E-06	6.20E-02	1.96E-05	2.58E-06	4.49E-06	3.84E-06
5585	476119.68, 3849194.64	1.10E-01	3.48E-05	4.59E-06	9.34E-02	2.95E-05	3.89E-06	6.17E-02	1.95E-05	2.57E-06	6.47E-02	2.04E-05	2.69E-06	4.71E-06	4.02E-06
5586	476211.65, 3849209.01	1.10E-01	3.48E-05	4.59E-06	9.30E-02	2.94E-05	3.88E-06	6.10E-02	1.93E-05	2.54E-06	6.38E-02	2.01E-05	2.66E-06	4.71E-06	3.99E-06
5587	476497.8, 3849283.9	1.35E-01	4.25E-05	5.61E-06	1.17E-01	3.68E-05	4.86E-06	7.92E-02	2.50E-05	3.30E-06	8.45E-02	2.67E-05	3.52E-06	5.83E-06	5.08E-06
5588	476603.73, 3849323.77	1.36E-01	4.28E-05	5.65E-06	1.17E-01	3.69E-05	4.87E-06	7.89E-02	2.49E-05	3.29E-06	8.40E-02	2.65E-05	3.50E-06	5.86E-06	5.08E-06
5589	476728.99, 3849382.76	1.30E-01	4.10E-05	5.41E-06	1.10E-01	3.48E-05	4.59E-06	7.28E-02	2.30E-05	3.03E-06	7.72E-02	2.44E-05	3.21E-06	5.60E-06	4.77E-06
5590	476801.27, 3849418.65	1.31E-01	4.14E-05	5.47E-06	1.11E-01	3.50E-05	4.62E-06	7.27E-02	2.30E-05	3.03E-06	7.69E-02	2.43E-05	3.20E-06	5.64E-06	4.79E-06
5591	476956.2, 3849495.05	1.34E-01	4.22E-05	5.57E-06	1.12E-01	3.54E-05	4.67E-06	7.28E-02	2.30E-05	3.03E-06	7.66E-02	2.42E-05	3.19E-06	5.73E-06	4.83E-06
5592	477038.84, 3849535.56	1.36E-01	4.30E-05	5.68E-06	1.14E-01	3.60E-05	4.75E-06	7.38E-02	2.33E-05	3.07E-06	7.74E-02	2.44E-05	3.23E-06	5.83E-06	4.90E-06
5593	477121.48, 3849576.08	1.37E-01	4.33E-05	5.71E-06	1.14E-01	3.60E-05	4.76E-06	7.35E-02	2.32E-05	3.06E-06	7.69E-02	2.43E-05	3.20E-06	5.85E-06	4.90E-06
5594	477204.13, 3849616.6	1.39E-01	4.39E-05	5.79E-06	1.15E-01	3.64E-05	4.81E-06	7.39E-02	2.33E-05	3.08E-06	7.71E-02	2.43E-05	3.21E-06	5.93E-06	4.94E-06
5595	477286.78, 3849657.12	1.35E-01	4.27E-05	5.63E-06	1.11E-01	3.49E-05	4.61E-06	6.95E-02	2.19E-05	2.90E-06	7.22E-02	2.28E-05	3.01E-06	5.75E-06	4.72E-06
5596	477369.42, 3849697.63	1.41E-01	4.45E-05	5.87E-06	1.16E-01	3.67E-05	4.85E-06	7.39E-02	2.33E-05	3.08E-06	7.68E-02	2.42E-05	3.20E-06	5.99E-06	4.97E-06
5597	477452.07, 3849738.15	1.42E-01	4.48E-05	5.91E-06	1.17E-01	3.69E-05	4.87E-06	7.39E-02	2.33E-05	3.08E-06	7.64E-02	2.41E-05	3.18E-06	6.02E-06	4.97E-06
5598	477534.71, 3849778.67	1.45E-01	4.59E-05	6.06E-06	1.20E-01	3.78E-05	5.00E-06	7.61E-02	2.40E-05	3.17E-06	7.87E-02	2.48E-05	3.28E-06	6.16E-06	5.10E-06
5599	477617.35, 3849819.18	1.46E-01	4.61E-05	6.09E-06	1.20E-01	3.79E-05	5.00E-06	7.59E-02	2.39E-05	3.16E-06	7.82E-02	2.47E-05	3.26E-06	6.19E-06	5.10E-06
5600	477824.74, 3849896.37	1.20E-01	3.77E-05	4.98E-06	9.04E-02	2.85E-05	3.77E-06	4.98E-02	1.57E-05	2.08E-06	5.15E-02	1.63E-05	2.15E-06	5.05E-06	3.83E-06
5601	477906.31, 3849936.37	1.23E-01	3.89E-05	5.13E-06	9.31E-02	2.94E-05	3.88E-06	5.14E-02	1.62E-05	2.14E-06	5.27E-02	1.66E-05	2.20E-06	5.19E-06	3.94E-06
5602	477987.89, 3849976.36	1.23E-01	3.89E-05	5.14E-06	9.32E-02	2.94E-05	3.88E-06	5.14E-02	1.62E-05	2.14E-06	5.29E-02	1.67E-05	2.20E-06	5.20E-06	3.94E-06
5603	478069.47, 3850016.36	1.24E-01	3.92E-05	5.17E-06	9.40E-02	2.97E-05	3.92E-06	5.20E-02	1.64E-05	2.17E-06	5.32E-02	1.68E-05	2.22E-06	5.22E-06	3.97E-06
5604	478151.04, 3850056.35	1.25E-01	3.93E-05	5.19E-06	9.44E-02	2.98E-05	3.93E-06	5.23E-02	1.65E-05	2.18E-06	5.34E-02	1.68E-05	2.22E-06	5.24E-06	3.98E-06
5605	478232.62, 3850096.35	1.25E-01	3.95E-05	5.21E-06	9.50E-02	3.00E-05	3.96E-06	5.28E-02	1.67E-05	2.20E-06	5.38E-02	1.70E-05	2.24E-06	5.25E-06	4.00E-06
5606	478314.2, 3850136.34	1.25E-01	3.95E-05	5.22E-06	9.52E-02	3.00E-05	3.96E-06	5.30E-02	1.67E-05	2.21E-06	5.39E-02	1.70E-05	2.25E-06	5.26E-06	4.00E-06
5607	478395.77, 3850176.34	1.26E-01	3.96E-05	5.23E-06	9.54E-02	3.01E-05	3.98E-06	5.31E-02	1.68E-05	2.21E-06	5.39E-02	1.70E-05	2.25E-06	5.27E-06	4.01E-06
5608	478575.43, 3850244.45	1.12E-01	3.53E-05	4.66E-06	8.07E-02	2.55E-05	3.36E-06	4.06E-02	1.28E-05	1.69E-06	4.13E-02	1.30E-05	1.72E-06	4.69E-06	3.39E-06
5609	478665.06, 3850287.29	1.13E-01	3.56E-05	4.70E-06	8.08E-02	2.55E-05	3.37E-06	4.02E-02	1.27E-05	1.67E-06	4.08E-02	1.29E-05	1.70E-06	4.72E-06	3.39E-06
5610	478754.69, 3850330.14	1.13E-01	3.56E-05	4.70E-06	8.06E-02	2.54E-05	3.36E-06	3.97E-02	1.25E-05	1.65E-06	4.03E-02	1.27E-05	1.68E-06	4.73E-06	3.38E-06
5611	478844.32, 3850372.99	1.13E-01	3.56E-05	4.70E-06	8.01E-02	2.53E-05	3.34E-06	3.90E-02	1.23E-05	1.62E-06	3.95E-02	1.25E-05	1.64E-06	4.72E-06	3.36E-06
5612	478933.95, 3850415.84	1.13E-01	3.57E-05	4.72E-06	7.97E-02	2.51E-05	3.32E-06	3.80E-02	1.20E-05	1.58E-06	3.85E-02	1.22E-05	1.61E-06	4.74E-06	3.34E-06
5613	479023.58, 3850458.68	1.18E-01	3.73E-05	4.92E-06	8.23E-02	2.60E-05	3.43E-06	3.85E-02	1.21E-05	1.60E-06	3.89E-02	1.23E-05	1.62E-06	4.94E-06	3.45E-06
5614	479110.66, 3850441.9	8.56E-02	2.70E-05	3.56E-06	5.57E-02	1.76E-05	2.32E-06	2.18E-02	6.89E-06	9.09E-07	2.24E-02	7.06E-06	9.32E-07	3.59E-06	2.34E-06
5615	479191.22, 3850423.99	7.56E-02	2.39E-05	3.15E-06	4.67E-02	1.47E-05	1.95E-06	1.53E-02	4.83E-06	6.38E-07	1.58E-02	4.99E-06	6.59E-07	3.17E-06	1.97E-06
5616	479274.32, 3850465.71	9.08E-02	2.87E-05	3.78E-06	5.42E-02	1.71E-05	2.26E-06	1.55E-02	4.89E-06	6.45E-07	1.60E-02	5.04E-06	6.65E-07	3.80E-06	2.28E-06
5617	479357.43, 3850507.42	9.72E-02	3.07E-05	4.05E-06	5.74E-02	1.81E-05	2.39E-06	1.56E-02	4.93E-06	6.51E-07	1.61E-02	5.08E-06	6.70E-07	4.07E-06	2.41E-06
5618	479440.53, 3850549.14	1.00E-01	3.16E-05	4.17E-06	5.88E-02	1.86E-05	2.45E-06	1.56E-02	4.93E-06	6.51E-07	1.60E-02	5.06E-06	6.69E-07	4.19E-06	2.47E-06
5619	479523.64, 3850590.85	1.02E-01	3.21E-05	4.24E-06	5.96E-02	1.88E-05	2.48E-06	1.56E-02	4.94E-06	6.52E-07	1.61E-02	5.07E-06	6.69E-07	4.25E-06	2.50E-06
5620	479606.74, 3850632.57	1.03E-01	3.24E-05	4.28E-06	6.02E-02	1.90E-05	2.51E-06	1.58E-02	4.98E-06	6.57E-07	1.62E-02	5.10E-06	6.74E-07	4.30E-06	2.53E-06
5621	479777.37, 3850707.61	9.65E-02	3.04E-05	4.02E-06	5.66E-02	1.79E-05	2.36E-06	1.50E-02	4.74E-06	6.25E-07	1.54E-02	4.86E-06	6.41E-07	4.04E-06	2.38E-06
5622	479864.9, 3850740.95	8.74E-02	2.76E-05	3.64E-06	5.18E-02	1.63E-05	2.16E-06	1.43E-02	4.53E-06	5.98E-07	1.47E-02	4.65E-06	6.14E-07	3.66E-06	2.17E-06
5623	479931.87, 3850829.56	9.36E-02	2.95E-05	3.90E-06	5.84E-02	1.84E-05	2.43E-06	1.99E-02	6.28E-06	8.29E-07	2.03E-02	6.41E-06	8.46E-07	3.92E-06	2.45E-06
5624	479995.55, 3850926.75	1.11E-01	3.49E-05	4.61E-06	7.70E-02	2.43E-05	3.21E-06	3.58E-02	1.13E-05	1.49E-06	3.61E-02	1.14E-05	1.51E-06	4.62E-06	3.22E-06
5625	480079.78, 3850968.64	1.09E-01	3.44E-05	4.54E-06	7.60E-02	2.40E-05	3.17E-06	3.57E-02	1.13E-05	1.49E-06	3.62E-02	1.14E-05	1.51E-06	4.56E-06	3.19E-06
5626	480164.01, 3851010.54	1.08E-01	3.41E-05	4.51E-06	7.57E-02	2.39E-05	3.15E-06	3.57E-02	1.13E-05	1.49E-06	3.64E-02	1.15E-05	1.52E-06	4.54E-06	3.18E-06
5627	480248.23, 3851052.43	1.07E-01	3.39E-05	4.48E-06	7.52E-02	2.37E-05	3.13E-06	3.54E-02	1.12E-05	1.48E-06	3.64E-02	1.15E-05	1.52E-06	4.52E-06	3.17E-06
5628	480332.46, 3851094.33	1.08E-01	3.40E-05	4.49E-06	7.55E-02	2.38E-05	3.15E-06	3.58E-02	1.13E-05	1.49E-06	3.69E-02	1.17E-05	1.54E-06	4.54E-06	3.19E-06
5629	480416.69, 3851136.22	1.09E-01	3.43E-05	4.53E-06	7.65E-02	2.41E-05	3.19E-06	3.64E-02	1.15E-05	1.52E-06	3.77E-02	1.19E-05	1.57E-06	4.58E-06	3.24E-06
5630	480579.95, 3851215.17	1.08E-01	3.41E-05	4.50E-06	7.58E-02	2.39E-05	3.16E-06	3.59E-02	1.13E-05	1.50E-06	3.74E-02	1.18E-05	1.56E-06	4.57E-06	3.22E-06
5631	480658.98, 3851252.22	1.07E-01	3.39E-05	4.47E-06	7.49E-02	2.36E-05	3.12E-06	3.51E-02	1.11E-05	1.46E-06	3.68E-02	1.16E-05	1.53E-06	4.54E-06	3.19E-06
5632	480817.36, 3851327.85	1.08E-01	3.40E-05	4.49E-06	7.45E-02	2.35E-05	3.10E-06	3.41E-02	1.08E-05	1.42E-06	3.61E-02	1.14E-05	1.50E-06	4.57E-06	3.19E-06
5633	480896.71, 3851366.42	1.08E-01	3.40E-05	4.49E-06	7.43E-02	2.34E-05	3.10E-06	3.39E-02	1.07E-05	1.41E-06	3.60E-02	1.13E-05	1.50E-06	4.57E-06	3.18E-06
5634	480976.07, 3851405	1.07E-01	3.39E-05	4.47E-06	7.39E-02	2.33E-05	3.08E-06	3.36E-02	1.06E-05	1.40E-06	3.58E-02	1.13E-05	1.49E-06	4.57E-06	3.17E-06
5635	481178, 3851487.31	9.21E-02	2.91E-05	3.84E-06	6.23E-02	1.97E-05	2.59E-06	2.70E-02	8.53E-06	1.13E-06	2.88E-02	9.09E-06	1.20E-06	3.91E-06	2.67E-06
5636	481244.9, 3851557.17	9.83E-02	3.10E-05	4.10E-06	6.96E-02	2.20E-05	2.90E-06	3.37E-02	1.06E-05	1.41E-06	3.55E-02	1.12E-05	1.48E-06	4.17E-06	2.97E-06

5637 481311.81, 3851627.03	1.00E-01	3.16E-05	4.17E-06	7.37E-02	2.32E-05	3.07E-06	3.87E-02	1.22E-05	1.61E-06	4.05E-02	1.28E-05	1.69E-06	4.24E-06	3.14E-06
5638 481378.71, 3851696.89	9.46E-02	2.99E-05	3.94E-06	7.01E-02	2.21E-05	2.92E-06	3.72E-02	1.18E-05	1.55E-06	3.88E-02	1.22E-05	1.62E-06	4.01E-06	2.98E-06
5639 481445.61, 3851766.76	9.12E-02	2.88E-05	3.80E-06	6.82E-02	2.15E-05	2.84E-06	3.68E-02	1.16E-05	1.53E-06	3.84E-02	1.21E-05	1.60E-06	3.87E-06	2.91E-06
5640 481512.51, 3851836.62	9.00E-02	2.84E-05	3.75E-06	6.76E-02	2.13E-05	2.81E-06	3.68E-02	1.16E-05	1.53E-06	3.83E-02	1.21E-05	1.60E-06	3.82E-06	2.88E-06
5641 481579.42, 3851906.48	8.97E-02	2.83E-05	3.74E-06	6.72E-02	2.12E-05	2.80E-06	3.65E-02	1.15E-05	1.52E-06	3.81E-02	1.20E-05	1.59E-06	3.80E-06	2.87E-06
5642 481646.32, 3851976.34	9.03E-02	2.85E-05	3.76E-06	6.77E-02	2.14E-05	2.82E-06	3.68E-02	1.16E-05	1.53E-06	3.84E-02	1.21E-05	1.60E-06	3.83E-06	2.89E-06
5643 481713.22, 3852046.2	9.02E-02	2.85E-05	3.76E-06	6.75E-02	2.13E-05	2.81E-06	3.66E-02	1.15E-05	1.52E-06	3.81E-02	1.20E-05	1.59E-06	3.82E-06	2.88E-06
5644 481780.12, 3852116.06	9.09E-02	2.87E-05	3.79E-06	6.81E-02	2.15E-05	2.84E-06	3.69E-02	1.16E-05	1.54E-06	3.85E-02	1.21E-05	1.60E-06	3.85E-06	2.90E-06
5645 481847.03, 3852185.92	9.19E-02	2.90E-05	3.83E-06	6.89E-02	2.17E-05	2.87E-06	3.74E-02	1.18E-05	1.56E-06	3.90E-02	1.23E-05	1.62E-06	3.90E-06	2.94E-06
5646 481913.93, 3852255.78	9.27E-02	2.93E-05	3.86E-06	6.94E-02	2.19E-05	2.89E-06	3.77E-02	1.19E-05	1.57E-06	3.93E-02	1.24E-05	1.64E-06	3.93E-06	2.96E-06
5647 481980.83, 3852325.65	9.37E-02	2.96E-05	3.90E-06	7.02E-02	2.22E-05	2.92E-06	3.81E-02	1.20E-05	1.59E-06	3.97E-02	1.25E-05	1.66E-06	3.97E-06	2.99E-06
5648 482047.73, 3852395.51	9.42E-02	2.97E-05	3.92E-06	7.05E-02	2.23E-05	2.94E-06	3.82E-02	1.21E-05	1.59E-06	3.99E-02	1.26E-05	1.66E-06	3.99E-06	3.01E-06
5649 482114.64, 3852465.37	9.46E-02	2.99E-05	3.94E-06	7.07E-02	2.23E-05	2.95E-06	3.82E-02	1.21E-05	1.59E-06	3.99E-02	1.26E-05	1.66E-06	4.01E-06	3.02E-06
5650 482181.54, 3852535.23	9.57E-02	3.02E-05	3.99E-06	7.16E-02	2.26E-05	2.98E-06	3.88E-02	1.22E-05	1.62E-06	4.04E-02	1.28E-05	1.68E-06	4.06E-06	3.05E-06
5651 482338.69, 3852700.04	9.80E-02	3.09E-05	4.08E-06	7.33E-02	2.31E-05	3.05E-06	3.97E-02	1.25E-05	1.65E-06	4.13E-02	1.30E-05	1.72E-06	4.15E-06	3.12E-06
5652 482404.05, 3852767.78	9.84E-02	3.11E-05	4.10E-06	7.33E-02	2.31E-05	3.05E-06	3.94E-02	1.24E-05	1.64E-06	4.11E-02	1.30E-05	1.71E-06	4.17E-06	3.12E-06
5653 482469.4, 3852835.52	9.99E-02	3.15E-05	4.16E-06	7.42E-02	2.34E-05	3.09E-06	3.96E-02	1.25E-05	1.65E-06	4.13E-02	1.30E-05	1.72E-06	4.23E-06	3.16E-06
5654 482534.75, 3852903.25	1.03E-01	3.25E-05	4.29E-06	7.56E-02	2.39E-05	3.15E-06	3.96E-02	1.25E-05	1.65E-06	4.12E-02	1.30E-05	1.72E-06	4.35E-06	3.22E-06
5655 482600.11, 3852970.99	1.05E-01	3.33E-05	4.39E-06	7.63E-02	2.41E-05	3.18E-06	3.86E-02	1.22E-05	1.61E-06	4.04E-02	1.27E-05	1.68E-06	4.47E-06	3.25E-06
5656 482706.71, 3853119.28	9.91E-02	3.13E-05	4.13E-06	6.84E-02	2.16E-05	2.85E-06	3.13E-02	9.87E-06	1.30E-06	3.31E-02	1.04E-05	1.38E-06	4.20E-06	2.92E-06
5657 482747.96, 3853199.84	1.01E-01	3.19E-05	4.20E-06	6.96E-02	2.20E-05	2.90E-06	3.17E-02	1.00E-05	1.32E-06	3.35E-02	1.06E-05	1.39E-06	4.28E-06	2.97E-06
5658 482789.21, 3853280.4	1.01E-01	3.20E-05	4.22E-06	6.87E-02	2.17E-05	2.86E-06	3.00E-02	9.46E-06	1.25E-06	3.20E-02	1.01E-05	1.33E-06	4.31E-06	2.95E-06
5659 482830.46, 3853360.96	9.91E-02	3.13E-05	4.13E-06	6.46E-02	2.04E-05	2.69E-06	2.53E-02	7.98E-06	1.05E-06	2.87E-02	9.05E-06	1.20E-06	4.27E-06	2.83E-06
5660 482871.71, 3853441.52	9.86E-02	3.11E-05	4.11E-06	6.20E-02	1.96E-05	2.58E-06	2.17E-02	6.85E-06	9.04E-07	2.59E-02	8.17E-06	1.08E-06	4.28E-06	2.76E-06
5661 482912.95, 3853522.07	9.98E-02	3.15E-05	4.16E-06	6.08E-02	1.92E-05	2.53E-06	1.89E-02	5.98E-06	7.89E-07	2.43E-02	7.67E-06	1.01E-06	4.38E-06	2.76E-06
5662 482954.2, 3853602.63	1.01E-01	3.18E-05	4.19E-06	5.90E-02	1.86E-05	2.46E-06	1.56E-02	4.92E-06	6.49E-07	2.32E-02	7.31E-06	9.66E-07	4.51E-06	2.78E-06
5663 482995.45, 3853683.19	1.03E-01	3.24E-05	4.28E-06	5.84E-02	1.84E-05	2.43E-06	1.30E-02	4.11E-06	5.43E-07	2.22E-02	7.02E-06	9.26E-07	4.66E-06	2.82E-06
5664 483036.7, 3853763.75	1.06E-01	3.36E-05	4.43E-06	5.90E-02	1.86E-05	2.46E-06	1.12E-02	3.53E-06	4.66E-07	2.14E-02	6.77E-06	8.93E-07	4.86E-06	2.89E-06
5665 483214.2, 3853909.91	1.17E-01	3.70E-05	4.89E-06	6.11E-02	1.93E-05	2.55E-06	6.28E-03	1.98E-06	2.62E-07	1.20E-02	3.78E-06	4.99E-07	5.12E-06	2.78E-06
5666 483307.01, 3853910.44	1.09E-01	3.45E-05	4.55E-06	5.65E-02	1.78E-05	2.35E-06	5.23E-03	1.65E-06	2.18E-07	9.29E-03	2.93E-06	3.87E-07	4.72E-06	2.52E-06
5667 483399.83, 3853910.96	1.01E-01	3.19E-05	4.21E-06	5.21E-02	1.64E-05	2.17E-06	4.45E-03	1.40E-06	1.85E-07	7.62E-03	2.41E-06	3.18E-07	4.35E-06	2.30E-06
5668 483494.52, 3854009.24	1.14E-01	3.61E-05	4.76E-06	5.82E-02	1.84E-05	2.43E-06	3.99E-03	1.26E-06	1.66E-07	8.43E-03	2.66E-06	3.51E-07	4.95E-06	2.61E-06
5669 483496.41, 3854106.98	1.22E-01	3.84E-05	5.07E-06	6.18E-02	1.95E-05	2.58E-06	4.08E-03	1.29E-06	1.70E-07	1.24E-02	3.90E-06	5.15E-07	5.41E-06	2.92E-06
5670 483577.56, 3854261.96	1.30E-01	4.09E-05	5.40E-06	6.55E-02	2.07E-05	2.73E-06	3.67E-03	1.16E-06	1.53E-07	2.29E-02	7.22E-06	9.53E-07	6.20E-06	3.53E-06
5671 483656.83, 3854319.19	1.33E-01	4.19E-05	5.53E-06	6.67E-02	2.11E-05	2.78E-06	3.30E-03	1.04E-06	1.38E-07	2.44E-02	7.69E-06	1.01E-06	6.40E-06	3.66E-06
5672 483736.1, 3854376.41	1.35E-01	4.28E-05	5.64E-06	6.79E-02	2.14E-05	2.83E-06	3.01E-03	9.49E-07	1.25E-07	2.59E-02	8.17E-06	1.08E-06	6.60E-06	3.78E-06
5673 483815.36, 3854433.64	1.39E-01	4.39E-05	5.79E-06	6.94E-02	2.19E-05	2.89E-06	2.77E-03	8.75E-07	1.16E-07	2.78E-02	8.78E-06	1.16E-06	6.83E-06	3.94E-06
5674 483894.63, 3854490.87	1.43E-01	4.52E-05	5.97E-06	7.14E-02	2.25E-05	2.97E-06	2.58E-03	8.14E-07	1.07E-07	3.00E-02	9.47E-06	1.25E-06	7.11E-06	4.12E-06
5675 483973.9, 3854548.09	1.49E-01	4.69E-05	6.19E-06	7.39E-02	2.33E-05	3.08E-06	2.43E-03	7.66E-07	1.01E-07	3.22E-02	1.02E-05	1.34E-06	7.43E-06	4.32E-06
5676 484053.17, 3854605.32	1.54E-01	4.86E-05	6.41E-06	7.64E-02	2.41E-05	3.18E-06	2.34E-03	7.38E-07	9.74E-08	3.57E-02	1.13E-05	1.49E-06	7.80E-06	4.57E-06
5677 484214.97, 3854698.15	1.56E-01	4.91E-05	6.48E-06	7.71E-02	2.43E-05	3.21E-06	2.19E-03	6.92E-07	9.13E-08	3.68E-02	1.16E-05	1.53E-06	7.92E-06	4.66E-06
5678 484297.5, 3854733.74	1.55E-01	4.89E-05	6.46E-06	7.69E-02	2.43E-05	3.20E-06	2.17E-03	6.84E-07	9.03E-08	3.74E-02	1.18E-05	1.56E-06	7.93E-06	4.67E-06
5679 484380.03, 3854769.34	1.58E-01	4.98E-05	6.58E-06	7.82E-02	2.47E-05	3.26E-06	2.11E-03	6.66E-07	8.79E-08	3.68E-02	1.16E-05	1.53E-06	8.02E-06	4.70E-06
5680 484462.56, 3854804.94	1.60E-01	5.04E-05	6.66E-06	7.92E-02	2.50E-05	3.30E-06	2.10E-03	6.62E-07	8.73E-08	3.66E-02	1.15E-05	1.52E-06	8.09E-06	4.73E-06
5681 484545.09, 3854840.53	1.62E-01	5.11E-05	6.75E-06	8.01E-02	2.53E-05	3.34E-06	2.04E-03	6.45E-07	8.51E-08	3.51E-02	1.11E-05	1.46E-06	8.12E-06	4.72E-06
5682 484691.88, 3854912.58	1.62E-01	5.11E-05	6.75E-06	8.02E-02	2.53E-05	3.34E-06	2.04E-03	6.45E-07	8.52E-08	3.69E-02	1.17E-05	1.54E-06	8.20E-06	4.80E-06
5683 484830.81, 3855012.51	1.59E-01	5.03E-05	6.63E-06	7.89E-02	2.49E-05	3.29E-06	2.07E-03	6.55E-07	8.64E-08	3.12E-02	9.85E-06	1.30E-06	7.85E-06	4.50E-06
5684 484905.48, 3855075.97	1.58E-01	5.00E-05	6.60E-06	7.85E-02	2.48E-05	3.27E-06	2.15E-03	6.80E-07	8.97E-08	2.88E-02	9.10E-06	1.20E-06	7.71E-06	4.38E-06
5685 484980.14, 3855139.44	1.58E-01	4.99E-05	6.58E-06	7.83E-02	2.47E-05	3.26E-06	2.20E-03	6.94E-07	9.16E-08	2.73E-02	8.62E-06	1.14E-06	7.63E-06	4.31E-06
5686 485054.81, 3855202.91	1.57E-01	4.95E-05	6.54E-06	7.78E-02	2.46E-05	3.24E-06	2.22E-03	6.99E-07	9.23E-08	2.58E-02	8.14E-06	1.08E-06	7.52E-06	4.23E-06
5687 485129.48, 3855266.37	1.57E-01	4.97E-05	6.56E-06	7.80E-02	2.46E-05	3.25E-06	2.19E-03	6.91E-07	9.12E-08	2.39E-02	7.55E-06	9.97E-07	7.46E-06	4.16E-06
5688 485204.15, 3855329.84	1.57E-01	4.96E-05	6.54E-06	7.79E-02	2.46E-05	3.25E-06	2.24E-03	7.08E-07	9.34E-08	2.36E-02	7.44E-06	9.82E-07	7.43E-06	4.13E-06
5689 485278.82, 3855393.31	1.56E-01	4.94E-05	6.52E-06	7.76E-02	2.45E-05	3.23E-06	2.25E-03	7.10E-07	9.38E-08	2.24E-02	7.07E-06	9.33E-07	7.36E-06	4.07E-06
5690 485353.48, 3855456.77	1.56E-01	4.93E-05	6.51E-06	7.75E-02	2.45E-05	3.23E-06	2.28E-03	7.21E-07	9.52E-08	2.15E-02	6.80E-06	8.97E-07	7.31E-06	4.03E-06
5691 485428.15, 3855520.24	1.55E-01	4.89E-05	6.45E-06	7.69E-02	2.43E-05	3.20E-06	2.29E-03	7.24E-07	9.55E-08	2.05E-02	6.47E-06	8.54E-07	7.21E-06	3.96E-06
5692 485502.82, 3855583.71	1.56E-01	4.93E-05	6.50E-06	7.75E-02	2.45E-05	3.23E-06	2.31E-03	7.29E-07	9.62E-08	1.97E-02	6.21E-06	8.20E-07	7.23E-06	3.95E-06
5693 485577.49, 3855647.17	1.54E-01	4.85E-05	6.40E-06	7.62E-02	2.41E-05	3.18E-06	2.36E-03	7.45E-07	9.83E-08	1.92E-02	6.05E-06	7.99E-07	7.10E-06	3.88E-06
5694 485652.16, 3855710.64	1.54E-01	4.87E-05	6.42E-06	7.66E-02	2.42E-05	3.19E-06	2.41E-03	7.60E-07	1.00E-07	1.87E-02	5.89E-06	7.77E-07	7.10E-06	3.87E-06
5695 485726.83, 3855774.1	1.52E-01	4.81E-05	6.34E-06	7.57E-02	2.39E-05	3.15E-06	2.42E-03	7.65E-07	1.01E-07	1.79E-02	5.65E-06	7.46E-07	6.99E-06	3.80E-06
5696 485801.49, 3855837.57	1.53E-01	4.83E-05	6.37E-06	7.60E-02	2.40E-05	3.17E-06	2.42E-03	7.63E-07	1.01E-07	1.71E-02	5.40E-06	7.12E-07	6.98E-06	3.78E-06
5697 485876.16, 3855901.04	1.52E-01	4.79E-05	6.32E-06	7.55E-02	2.38E-05	3.14E-06	2.43E-03	7.67E-07	1.01E-07	1.66E-02	5.24E-06	6.91E-07	6.91E-06	3.73E-06
5698 485950.83, 3855964.5	1.52E-01	4.81E-05	6.34E-06	7.57E-02	2.39E-05	3.15E-06	2.43E-03	7.66E-07	1.01E-07	1.61E-02	5.07E-06	6.69E-07	6.91E-06	3.72E-06
5699 486025.5, 3856027.97	1.52E-01	4.79E-05	6.33E-06	7.55E-02	2.38E-05	3.14E-06	2.40E-03	7.58E-07	1.00E-07	1.54E-02	4.87E-06	6.42E-07	6.87E-06	3.69E-06
5700 486100.17, 3856091.44	1.51E-01	4.77E-05	6.29E-06	7.51E-02	2.37E-05	3.13E-06	2.46E-03	7.78E-07	1.03E-07	1.54E-02	4.85E-06	6.40E-07	6.83E-06	3.67E-06
5701 486174.83, 3856154.9	1.51E-01	4.76E-05	6.28E-06	7.50E-02	2.37E-05	3.12E-06	2.43E-03	7.66E-07	1.01E-07	1.46E-02	4.61E-06	6.09E-07	6.79E-06	3.63E-06
5702 486249.5, 3856218.37	1.52E-01	4.81E-05	6.35E-06	7.57E-02	2.39E-05	3.15E-06	2.34E-03	7.40E-07	9.76E-08	1.37E-02	4.33E-06	5.71E-07	6.82E-06	3.63E-06
5703 486324.17, 3856281.84	1.53E-01	4.84E-05	6.38E-06	7.61E-02	2.40E-05	3.17E-06	2.29E-03	7.22E-07	9.53E-08	1.33E-02	4.20E-06	5.55E-07	6.84E-06	3.63E-06
5704 486398.84, 3856345.3	1.52E-01	4.81E-05	6.34E-06	7.56E-02	2.39E-05	3.15E-06	2.31E-03	7.30E-07	9.64E-08	1.34E-02	4.24E-06	5.60E-07	6.81E-06	3.61E-06
5705 486473.51, 3856408.77	1.52E-01	4.78E-05	6.31E-06	7.53E-02	2.38E-05	3.14E-06	2.32E-03	7.32E-07	9.66E-08	1.32E-02	4.16E-06	5.50E-07	6.77E-06	3.59E-06
5706 486548.17, 3856472.24	1.50E-01	4.75E-05	6.26E-06	7.47E-02	2.36E-05	3.11E-06	2.35E-03	7.42E-07	9.79E-08	1.31E-02	4.13E-06	5.45E-07	6.71E-06	3.56E-06
5707 486622.84, 3856535.7	1.51E-01	4.76E-05	6.28E-06	7.49E-02	2.36E-05	3.12E-06	2.38E-03	7.53E-07	9.93E-08	1.29E-02	4.07E-06	5.37E-07	6.71E-06	3.56E-06
5708 486765.48, 3856659.69	1.47E-01	4.65E-05	6.14E-06	7.33E-02	2.31E-05	3.06E-06	2.48E-03	7.83E-07	1.03E-07	1.23E-02	3.89E-06	5.14E-07	6.55E-06	3.47E-06
5709 486833.44, 3856720.2	1.51E-01	4.75E-05	6.27E-06	7.49E-02	2.36E-05	3.12E-06	2.52E-03	7.95E-07	1.05E-07	1.22E-02	3.84E-06	5.07E-07	6.67E-06	3.52E-06
5710 486901.41, 3856780.72	1.51E-01	4.75E-05	6.27E-06	7.50E-02	2.37E-05	3.12E-06	2.57E-03	8.12E-07	1.07E-07	1.20E-02	3.78E-06	4.99E-07	6.67E-06	3.51E-06
5711 486969.38, 3856841.24	1.51E-01	4.78E-05	6.31E-06	7.54E-02	2.38E-05	3.14E-06	2.62E-03	8.27E-07	1.09E-07	1.18E-02	3.74E-06	4.93E-07	6.69E-06	3.52E-06
5712 487037.34, 3856901.75	1.54E-01	4.86E-05	6.42E-06	7.67E-02	2.42E-05	3.20E-06	2.67E-03	8.41E-07	1.11E-07	1.17E-02	3.70E-06	4.88E-07	6.80E-06	3.57E-06
5713 487271.23, 3856855.51	1.23E-01	3.89E-05	5.13E-06	6.15E-02	1.94E-05	2.56E-06	2.36E-03	7.45E-07	9.84E-08	6.51E-03	2.06E-06	2.71E-07	5.30E-06	2.73E-06
5714 487368.95, 3856857.29	1.22E-01	3.84E-05	5.06E-06	6.06E-02	1.91E-05	2.53E-06	2.29E-03	7.21E-07	9.52E-08	5.70E-03	1.80E-06	2.37E-07	5.20E-06	2.67E-06
5715 487466.68, 3856859.06	1.17E-01	3.68E-05	4.86E-06	5.83E-02	1.84E-05	2.43E-06	2.22E-03	7.02E-07	9.27E-08	5.07E-03	1.60E-06	2.11E-07	4.98E-06	2.55E-06
5716 487636.44, 3856930	1.23E-01	3.87E-05	5.11E-06	6.11E-02	1.93E-05	2.55E-06	2.20E-03	6.96E-07	9.18E-08	4.59E-03	1.45E-06	1.91E-07	5.21E-06	2.64E-06
5717 487709.57, 3856928.43	1.17E-01	3.69E-05	4.86E-06	5.82E-02	1.84E-05	2.43E-06	2.16E-03	6.82E-07	9.00E-08	4.27E-03	1.35E-06	1.78E-07	4.95E-06	2.51E-06
5718 487782.55, 3856841.96	9.18E-02	2.90E-05	3.83E-06	4.60E-02	1.45E-05	1.92E-06	2.02E-03	6.36E-07	8.40E-08	3.72E-03	1.17E-06	1.55E-07	3.90E-06	1.99E-06
5719 487849.83, 3856754.74	8.06E-02	2.54E-05	3.36E-06	4.05E-02	1.28E-05	1.69E-06	1.90E-03	5.99E-07	7.90E-08	3.32E-03	1.05E-06	1.38E-07	3.42E-06	1.74E-06
5720 487918.03, 3856819.39	8.97E-02	2.83E-05	3.74E-06	4.49E-02	1.42E-05	1.87E-06	1.94E-03	6.12E-07	8.07E-08	3.32E-03	1.05E-06	1.38E-07	3.80E-06	1.93E-06
5721 487918.8, 3856886.37	9.72E-02	3.07E-05	4.05E-06	4.86E-02	1.53E-05	2.02E-06	2.01E-03	6.34E-07	8.37E-08	3.48E-03	1.10E-06	1.45E-07	4.11E-06	2.09E-06
5722 488065.46, 3857127.5	1.12E-01	3.54E-05	4.67E-06	5.60E-02	1.77E-05	2.33E-06	2.19E-03	6.92E-07	9.14E-08	3.77E-03	1.19E-06	1.57E-07	4.74E-06	2.40E-06
5723 488192.19, 3857385.83	1.10E-01	3.49E-05	4.60E-06	5.54E-02	1.75E-05	2.31E-06	2.53E-03	7.99E-07	1.05E-07	4.26E-03	1.34E-06	1.77E-07	4.67E-06	2.38E-06
5724 488191.21, 3857473.87	1.12E-01	3.54E-05	4.67E-06	5.63E-02	1.78E-05	2.35E-06	2.72E-03	8.59E-07	1.13E-07	4.66E-03	1.47E-06	1.94E-07	4.75E-06	2.43E-06
5725 488190.24, 3857561.9	1.14E-01	3.59E-05	4.74E-06	5.73E-02	1.81E-05	2.39E-06	2.94E-03	9.29E-07	1.23E-07	5.15E-03	1.63E-06	2.15E-07	4.84E-06	2.48E-06
5726 488158.35, 3857691.13	1.17E-01	3.70E-05	4.89E-06	5.93E-02	1.87E-05	2.47E-06	3.37E-03	1.06E-06	1.41E-07	6.43E-03	2.03E-06	2.68E-07	5.02E-06	2.60E-06
5727 488208.37, 3857816.66	1.11E-01	3.52E-05	4.64E-06	5.67E-02	1.79E-05	2.36E-06	3.77E-03	1.19E-06	1.57E-07	7.34E-03	2.32E-06	3.06E-07	4.79E-06	2.51E-06
5728 488271.97, 3857874.6	1.11E-01	3.49E-05	4.61E-06	5.63E-02	1.78E-05	2.35E-06	3.91E-03	1.23E-06	1.63E-07	7.31E-03	2.31E-06	3.04E-07	4.75E-06	2.49E-06
5729 488463.56, 3857942.31	9.59E-02	3.03E-05	4.00E-06	4.92E-02	1.55E-05	2.05E-06	3.83E-03	1.21E-06	1.60E-07	6.11E-03	1.93E-06	2.54E-07	4.09E-06	2.14E-06
5730 488554.83, 3857940.83	8.82E-02	2.78E-05	3.67E-06	4.53E-02	1.43E-05	1.89E-06	3.64E-03	1.15E-06	1.52E-07	5.43E-03	1.71E-06	2.26E-07	3.75E-06	1.96E-06

5731 488646.1, 3857939.36	8.25E-02	2.60E-05	3.44E-06	4.24E-02	1.34E-05	1.77E-06	3.47E-03	1.10E-06	1.45E-07	4.90E-03	1.55E-06	2.04E-07	3.50E-06	1.83E-06
5732 488737.37, 3857937.88	7.82E-02	2.47E-05	3.26E-06	4.02E-02	1.27E-05	1.68E-06	3.31E-03	1.05E-06	1.38E-07	4.47E-03	1.41E-06	1.86E-07	3.31E-06	1.72E-06
5733 488733.59, 3857960.57	8.02E-02	2.53E-05	3.34E-06	4.12E-02	1.30E-05	1.72E-06	3.39E-03	1.07E-06	1.41E-07	4.59E-03	1.45E-06	1.91E-07	3.39E-06	1.77E-06
5734 488638.09, 3857961.57	8.47E-02	2.67E-05	3.53E-06	4.36E-02	1.37E-05	1.81E-06	3.57E-03	1.13E-06	1.49E-07	5.06E-03	1.60E-06	2.11E-07	3.59E-06	1.88E-06
5735 488542.6, 3857962.56	9.12E-02	2.88E-05	3.80E-06	4.68E-02	1.48E-05	1.95E-06	3.76E-03	1.19E-06	1.57E-07	5.67E-03	1.79E-06	2.36E-07	3.88E-06	2.03E-06
5736 488447.1, 3857963.56	1.00E-01	3.17E-05	4.18E-06	5.14E-02	1.62E-05	2.14E-06	3.97E-03	1.25E-06	1.65E-07	6.46E-03	2.04E-06	2.69E-07	4.29E-06	2.25E-06
5737 488254.28, 3857890.36	1.17E-01	3.69E-05	4.87E-06	5.95E-02	1.88E-05	2.48E-06	4.03E-03	1.27E-06	1.68E-07	7.77E-03	2.45E-06	3.24E-07	5.02E-06	2.63E-06
5738 488191.69, 3857833.06	1.17E-01	3.70E-05	4.88E-06	5.96E-02	1.88E-05	2.48E-06	3.88E-03	1.22E-06	1.62E-07	7.80E-03	2.46E-06	3.25E-07	5.05E-06	2.64E-06
5739 488129.5, 3857907.43	1.68E-01	5.31E-05	7.01E-06	8.47E-02	2.67E-05	3.53E-06	4.45E-03	1.41E-06	1.86E-07	1.06E-02	3.35E-06	4.43E-07	7.26E-06	3.79E-06
5740 488196.47, 3857968.73	1.69E-01	5.34E-05	7.05E-06	8.53E-02	2.69E-05	3.56E-06	4.66E-03	1.47E-06	1.94E-07	1.06E-02	3.33E-06	4.40E-07	7.29E-06	3.80E-06
5741 488263.44, 3858030.04	1.71E-01	5.38E-05	7.10E-06	8.61E-02	2.72E-05	3.59E-06	4.87E-03	1.54E-06	2.03E-07	1.04E-02	3.30E-06	4.35E-07	7.34E-06	3.82E-06
5742 488400.64, 3858132.9	1.65E-01	5.21E-05	6.87E-06	8.36E-02	2.64E-05	3.48E-06	5.18E-03	1.63E-06	2.16E-07	9.73E-03	3.07E-06	4.05E-07	7.06E-06	3.67E-06
5743 488519.89, 3858218.38	1.65E-01	5.21E-05	6.88E-06	8.40E-02	2.65E-05	3.50E-06	5.54E-03	1.75E-06	2.31E-07	9.44E-03	2.98E-06	3.93E-07	7.05E-06	3.66E-06
5744 488647.97, 3858214.99	1.41E-01	4.45E-05	5.88E-06	7.19E-02	2.27E-05	3.00E-06	4.94E-03	1.56E-06	2.06E-07	7.32E-03	2.31E-06	3.05E-07	5.98E-06	3.09E-06
5745 488727.05, 3858167.67	1.24E-01	3.91E-05	5.17E-06	6.32E-02	1.99E-05	2.63E-06	4.36E-03	1.37E-06	1.81E-07	6.02E-03	1.90E-06	2.51E-07	5.23E-06	2.70E-06
5746 488806.12, 3858120.35	1.13E-01	3.57E-05	4.72E-06	5.76E-02	1.82E-05	2.40E-06	3.90E-03	1.23E-06	1.62E-07	5.14E-03	1.62E-06	2.14E-07	4.77E-06	2.45E-06
5747 488885.2, 3858073.03	1.06E-01	3.33E-05	4.40E-06	5.36E-02	1.69E-05	2.23E-06	3.53E-03	1.11E-06	1.47E-07	4.49E-03	1.42E-06	1.87E-07	4.44E-06	2.27E-06
5748 489055.76, 3857991.17	9.71E-02	3.06E-05	4.05E-06	4.92E-02	1.55E-05	2.05E-06	2.99E-03	9.44E-07	1.25E-07	3.61E-03	1.14E-06	1.50E-07	4.07E-06	2.08E-06
5749 489245.39, 3857944.54	9.79E-02	3.09E-05	4.08E-06	4.94E-02	1.56E-05	2.06E-06	2.64E-03	8.34E-07	1.10E-07	3.08E-03	9.72E-07	1.28E-07	4.10E-06	2.08E-06
5750 489430.63, 3857930.91	9.99E-02	3.15E-05	4.16E-06	5.02E-02	1.58E-05	2.09E-06	2.44E-03	7.71E-07	1.02E-07	2.76E-03	8.72E-07	1.15E-07	4.18E-06	2.10E-06
5751 489517.74, 3857929.36	9.95E-02	3.14E-05	4.15E-06	5.00E-02	1.58E-05	2.08E-06	2.37E-03	7.47E-07	9.85E-08	2.65E-03	8.35E-07	1.10E-07	4.16E-06	2.09E-06
5752 489604.85, 3857927.82	9.80E-02	3.09E-05	4.08E-06	4.92E-02	1.55E-05	2.05E-06	2.29E-03	7.23E-07	9.54E-08	2.54E-03	8.01E-07	1.06E-07	4.09E-06	2.06E-06
5753 489691.97, 3857926.28	9.60E-02	3.03E-05	4.00E-06	4.82E-02	1.52E-05	2.01E-06	2.22E-03	7.02E-07	9.27E-08	2.44E-03	7.70E-07	1.02E-07	4.01E-06	2.02E-06
5754 489779.08, 3857924.73	9.38E-02	2.96E-05	3.91E-06	4.71E-02	1.49E-05	1.96E-06	2.16E-03	6.82E-07	9.00E-08	2.35E-03	7.42E-07	9.79E-08	3.92E-06	1.97E-06
5755 490017.55, 3857875.08	7.68E-02	2.42E-05	3.20E-06	3.86E-02	1.22E-05	1.61E-06	1.96E-03	6.17E-07	8.14E-08	2.10E-03	6.62E-07	8.74E-08	3.20E-06	1.62E-06
5756 490033.82, 3857960.81	7.56E-02	2.39E-05	3.15E-06	3.81E-02	1.20E-05	1.59E-06	2.05E-03	6.46E-07	8.53E-08	2.17E-03	6.84E-07	9.03E-08	3.15E-06	1.59E-06
5757 489959.15, 3857987.49	7.54E-02	2.38E-05	3.14E-06	3.81E-02	1.20E-05	1.59E-06	2.13E-03	6.73E-07	8.89E-08	2.26E-03	7.14E-07	9.43E-08	3.15E-06	1.59E-06
5758 489791.49, 3858016.12	7.25E-02	2.29E-05	3.02E-06	3.67E-02	1.16E-05	1.53E-06	2.27E-03	7.17E-07	9.46E-08	2.44E-03	7.70E-07	1.02E-07	3.03E-06	1.54E-06
5759 489698.51, 3858018.07	7.54E-02	2.38E-05	3.14E-06	3.82E-02	1.21E-05	1.59E-06	2.35E-03	7.41E-07	9.78E-08	2.55E-03	8.04E-07	1.06E-07	3.15E-06	1.60E-06
5760 489605.52, 3858020.01	7.84E-02	2.48E-05	3.27E-06	3.98E-02	1.25E-05	1.66E-06	2.43E-03	7.68E-07	1.01E-07	2.66E-03	8.41E-07	1.11E-07	3.28E-06	1.67E-06
5761 489512.53, 3858021.96	8.16E-02	2.57E-05	3.40E-06	4.13E-02	1.30E-05	1.72E-06	2.52E-03	7.96E-07	1.05E-07	2.79E-03	8.81E-07	1.16E-07	3.41E-06	1.73E-06
5762 489419.55, 3858023.91	8.51E-02	2.68E-05	3.54E-06	4.31E-02	1.36E-05	1.80E-06	2.62E-03	8.28E-07	1.09E-07	2.94E-03	9.28E-07	1.22E-07	3.56E-06	1.81E-06
5763 489228.47, 3858041.29	9.41E-02	2.97E-05	3.92E-06	4.76E-02	1.50E-05	1.98E-06	2.86E-03	9.03E-07	1.19E-07	3.31E-03	1.05E-06	1.38E-07	3.94E-06	2.00E-06
5764 489065.75, 3858085.78	1.01E-01	3.19E-05	4.21E-06	5.13E-02	1.62E-05	2.14E-06	3.24E-03	1.02E-06	1.35E-07	3.87E-03	1.22E-06	1.61E-07	4.24E-06	2.16E-06
5765 489001.12, 3858114.86	1.07E-01	3.38E-05	4.46E-06	5.44E-02	1.72E-05	2.27E-06	3.45E-03	1.09E-06	1.44E-07	4.20E-03	1.33E-06	1.75E-07	4.49E-06	2.30E-06
5766 488861.89, 3858189.81	1.21E-01	3.82E-05	5.04E-06	6.15E-02	1.94E-05	2.56E-06	4.06E-03	1.28E-06	1.69E-07	5.23E-03	1.65E-06	2.18E-07	5.09E-06	2.61E-06
5767 488787.29, 3858235.69	1.30E-01	4.10E-05	5.41E-06	6.61E-02	2.09E-05	2.75E-06	4.57E-03	1.44E-06	1.90E-07	6.13E-03	1.93E-06	2.55E-07	5.47E-06	2.82E-06
5768 488712.68, 3858281.57	1.42E-01	4.49E-05	5.93E-06	7.26E-02	2.29E-05	3.02E-06	5.18E-03	1.63E-06	2.16E-07	7.39E-03	2.33E-06	3.08E-07	6.02E-06	3.12E-06
5769 488654.39, 3858436.17	1.59E-01	5.02E-05	6.62E-06	8.22E-02	2.59E-05	3.42E-06	7.47E-03	2.36E-06	3.11E-07	1.23E-02	3.88E-06	5.12E-07	6.82E-06	3.62E-06
5770 488726.3, 3858505.26	1.46E-01	4.60E-05	6.07E-06	7.61E-02	2.40E-05	3.17E-06	8.06E-03	2.54E-06	3.36E-07	1.24E-02	3.91E-06	5.16E-07	6.25E-06	3.35E-06
5771 488880.6, 3858599.28	1.55E-01	4.88E-05	6.44E-06	8.06E-02	2.54E-05	3.36E-06	8.25E-03	2.60E-06	3.44E-07	1.08E-02	3.41E-06	4.50E-07	6.55E-06	3.46E-06
5772 489008.06, 3858714.75	1.16E-01	3.67E-05	4.84E-06	6.26E-02	1.98E-05	2.61E-06	9.39E-03	2.96E-06	3.91E-07	1.14E-02	3.60E-06	4.75E-07	4.92E-06	2.69E-06
5773 489071.48, 3858772.72	1.10E-01	3.46E-05	4.57E-06	5.99E-02	1.89E-05	2.49E-06	1.01E-02	3.19E-06	4.20E-07	1.20E-02	3.80E-06	5.01E-07	4.65E-06	2.58E-06
5774 489244.59, 3858920.19	1.12E-01	3.53E-05	4.66E-06	6.23E-02	1.97E-05	2.60E-06	1.22E-02	3.85E-06	5.09E-07	1.36E-02	4.30E-06	5.67E-07	4.72E-06	2.66E-06
5775 489239.69, 3858952.23	1.17E-01	3.68E-05	4.86E-06	6.60E-02	2.08E-05	2.75E-06	1.42E-02	4.49E-06	5.93E-07	1.60E-02	5.04E-06	6.66E-07	4.93E-06	2.82E-06
5776 489121.67, 3858854.49	1.12E-01	3.53E-05	4.66E-06	6.23E-02	1.97E-05	2.60E-06	1.23E-02	3.89E-06	5.13E-07	1.47E-02	4.64E-06	6.12E-07	4.76E-06	2.70E-06
5777 489059.59, 3858797.27	1.12E-01	3.52E-05	4.65E-06	6.15E-02	1.94E-05	2.56E-06	1.13E-02	3.55E-06	4.69E-07	1.37E-02	4.34E-06	5.72E-07	4.75E-06	2.67E-06
5778 488997.52, 3858740.04	1.15E-01	3.64E-05	4.80E-06	6.28E-02	1.98E-05	2.62E-06	1.04E-02	3.27E-06	4.32E-07	1.29E-02	4.06E-06	5.36E-07	4.90E-06	2.72E-06
5779 488935.44, 3858682.82	1.26E-01	3.98E-05	5.25E-06	6.75E-02	2.13E-05	2.81E-06	9.62E-03	3.04E-06	4.01E-07	1.22E-02	3.86E-06	5.09E-07	5.36E-06	2.92E-06
5780 488869.17, 3858848.43	1.81E-01	5.71E-05	7.54E-06	1.05E-01	3.33E-05	4.39E-06	2.70E-02	8.51E-06	1.12E-06	5.50E-02	1.74E-05	2.29E-06	8.71E-06	5.56E-06
5781 488932.48, 3858892.69	1.83E-01	5.79E-05	7.64E-06	1.08E-01	3.42E-05	4.51E-06	2.93E-02	9.26E-06	1.22E-06	5.48E-02	1.73E-05	2.28E-06	8.70E-06	5.57E-06
5782 489063.27, 3858977.17	1.78E-01	5.63E-05	7.43E-06	1.08E-01	3.42E-05	4.51E-06	3.32E-02	1.05E-05	1.38E-06	4.95E-02	1.56E-05	2.06E-06	8.11E-06	5.19E-06
5783 489248.2, 3859117.15	1.88E-01	5.95E-05	7.85E-06	1.26E-01	3.97E-05	5.24E-06	5.27E-02	1.66E-05	2.20E-06	6.40E-02	2.02E-05	2.67E-06	8.32E-06	5.71E-06
5784 489296.25, 3859049.22	1.33E-01	4.20E-05	5.54E-06	7.81E-02	2.47E-05	3.25E-06	2.07E-02	6.53E-06	8.62E-07	2.28E-02	7.20E-06	9.51E-07	5.63E-06	3.34E-06
5785 489353.38, 3858993.96	1.23E-01	3.88E-05	5.12E-06	6.82E-02	2.15E-05	2.84E-06	1.30E-02	4.09E-06	5.40E-07	1.38E-02	4.36E-06	5.76E-07	5.16E-06	2.88E-06
5786 489537.24, 3859120.22	1.38E-01	4.37E-05	5.76E-06	7.67E-02	2.42E-05	3.19E-06	1.45E-02	4.58E-06	6.04E-07	1.52E-02	4.80E-06	6.33E-07	5.79E-06	3.22E-06
5787 489726.98, 3859246.04	1.39E-01	4.38E-05	5.79E-06	7.81E-02	2.47E-05	3.25E-06	1.62E-02	5.12E-06	6.76E-07	1.69E-02	5.35E-06	7.06E-07	5.82E-06	3.28E-06
5788 489911.46, 3859366.33	1.38E-01	4.37E-05	5.77E-06	7.90E-02	2.49E-05	3.29E-06	1.80E-02	5.67E-06	7.49E-07	1.89E-02	5.97E-06	7.88E-07	5.80E-06	3.33E-06
5789 490035.3, 3859430.26	1.43E-01	4.51E-05	5.95E-06	8.10E-02	2.56E-05	3.38E-06	1.79E-02	5.64E-06	7.44E-07	1.88E-02	5.92E-06	7.81E-07	5.98E-06	3.41E-06
5790 490101.11, 3859458.61	1.38E-01	4.35E-05	5.75E-06	7.83E-02	2.47E-05	3.26E-06	1.73E-02	5.46E-06	7.20E-07	1.81E-02	5.72E-06	7.55E-07	5.78E-06	3.30E-06
5791 490312.68, 3859560.3	1.30E-01	4.10E-05	5.41E-06	7.53E-02	2.38E-05	3.14E-06	1.87E-02	5.90E-06	7.79E-07	1.95E-02	6.17E-06	8.14E-07	5.44E-06	3.17E-06
5792 490401.63, 3859603.12	1.34E-01	4.24E-05	5.60E-06	7.82E-02	2.47E-05	3.26E-06	1.99E-02	6.27E-06	8.28E-07	2.09E-02	6.60E-06	8.71E-07	5.64E-06	3.30E-06
5793 490490.57, 3859645.94	1.35E-01	4.25E-05	5.60E-06	7.91E-02	2.50E-05	3.29E-06	2.11E-02	6.65E-06	8.78E-07	2.23E-02	7.05E-06	9.30E-07	5.66E-06	3.35E-06
5794 490579.51, 3859688.76	1.34E-01	4.22E-05	5.57E-06	7.94E-02	2.51E-05	3.31E-06	2.22E-02	7.02E-06	9.26E-07	2.37E-02	7.49E-06	9.88E-07	5.63E-06	3.37E-06
5795 490668.45, 3859731.58	1.32E-01	4.16E-05	5.49E-06	7.89E-02	2.49E-05	3.29E-06	2.29E-02	7.22E-06	9.53E-07	2.46E-02	7.76E-06	1.02E-06	5.56E-06	3.36E-06
5796 490757.4, 3859774.4	1.32E-01	4.16E-05	5.49E-06	8.02E-02	2.53E-05	3.34E-06	2.48E-02	7.84E-06	1.04E-06	2.69E-02	8.50E-06	1.12E-06	5.58E-06	3.43E-06
5797 491003.53, 3859861.82	1.25E-01	3.95E-05	5.22E-06	7.49E-02	2.36E-05	3.12E-06	2.16E-02	6.81E-06	8.99E-07	2.35E-02	7.42E-06	9.80E-07	5.30E-06	3.20E-06
5798 491081.41, 3859879.05	1.23E-01	3.88E-05	5.12E-06	7.21E-02	2.28E-05	3.00E-06	1.91E-02	6.03E-06	7.95E-07	2.04E-02	6.43E-06	8.49E-07	5.17E-06	3.06E-06
5799 491229.76, 3859917.82	1.19E-01	3.74E-05	4.94E-06	6.77E-02	2.14E-05	2.82E-06	1.54E-02	4.88E-06	6.44E-07	1.60E-02	5.04E-06	6.66E-07	4.96E-06	2.84E-06
5800 491300.22, 3859939.35	1.14E-01	3.60E-05	4.75E-06	6.45E-02	2.04E-05	2.69E-06	1.40E-02	4.43E-06	5.85E-07	1.45E-02	4.59E-06	6.06E-07	4.77E-06	2.71E-06
5801 491350.48, 3860012.03	1.11E-01	3.51E-05	4.63E-06	6.50E-02	2.05E-05	2.71E-06	1.68E-02	5.30E-06	6.99E-07	1.72E-02	5.44E-06	7.18E-07	4.65E-06	2.73E-06
5802 491406.82, 3860092.56	1.11E-01	3.51E-05	4.63E-06	6.67E-02	2.10E-05	2.78E-06	1.95E-02	6.16E-06	8.14E-07	2.02E-02	6.38E-06	8.42E-07	4.66E-06	2.81E-06
5803 491483.36, 3860121.96	1.07E-01	3.38E-05	4.46E-06	6.29E-02	1.98E-05	2.62E-06	1.66E-02	5.24E-06	6.92E-07	1.74E-02	5.49E-06	7.25E-07	4.50E-06	2.65E-06
5804 491559.91, 3860151.35	1.04E-01	3.27E-05	4.31E-06	5.97E-02	1.88E-05	2.49E-06	1.45E-02	4.56E-06	6.03E-07	1.53E-02	4.82E-06	6.37E-07	4.35E-06	2.52E-06
5805 491711.81, 3860237.76	9.70E-02	3.06E-05	4.04E-06	5.40E-02	1.70E-05	2.25E-06	1.05E-02	3.30E-06	4.36E-07	1.12E-02	3.54E-06	4.67E-07	4.07E-06	2.28E-06
5806 491755.2, 3860319.07	8.84E-02	2.79E-05	3.68E-06	5.27E-02	1.66E-05	2.20E-06	1.50E-02	4.74E-06	6.25E-07	1.63E-02	5.14E-06	6.78E-07	3.73E-06	2.25E-06
5807 491704.71, 3860366.54	9.27E-02	2.93E-05	3.86E-06	6.07E-02	1.91E-05	2.53E-06	2.41E-02	7.61E-06	1.00E-06	2.65E-02	8.38E-06	1.11E-06	3.96E-06	2.63E-06
5808 491623.42, 3860462.39	6.13E-02	1.93E-05	2.55E-06	4.70E-02	1.48E-05	1.96E-06	2.67E-02	8.41E-06	1.11E-06	2.45E-02	7.72E-06	1.02E-06	2.46E-06	1.87E-06
5809 491534.02, 3860439.84	4.31E-02	1.36E-05	1.79E-06	2.81E-02	8.85E-06	1.17E-06	1.10E-02	3.47E-06	4.58E-07	1.10E-02	3.46E-06	4.57E-07	1.79E-06	1.17E-06
5810 491313.95, 3860268.17	5.57E-02	1.76E-05	2.32E-06	3.59E-02	1.13E-05	1.50E-06	1.36E-02	4.30E-06	5.68E-07	1.42E-02	4.47E-06	5.90E-07	2.34E-06	1.52E-06
5811 491187.12, 3860143.56	7.25E-02	2.29E-05	3.02E-06	4.78E-02	1.51E-05	1.99E-06	1.94E-02	6.12E-06	8.08E-07	2.13E-02	6.72E-06	8.87E-07	3.10E-06	2.07E-06
5812 491070.43, 3860075.97	6.85E-02	2.16E-05	2.85E-06	4.44E-02	1.40E-05	1.85E-06	1.71E-02	5.39E-06	7.12E-07	1.81E-02	5.71E-06	7.53E-07	2.90E-06	1.89E-06
5813 490995.09, 3860039.38	6.72E-02	2.12E-05	2.80E-06	4.29E-02	1.35E-05	1.79E-06	1.58E-02	4.98E-06	6.57E-07	1.67E-02	5.27E-06	6.96E-07	2.84E-06	1.83E-06
5814 490919.75, 3860002.8	6.79E-02	2.14E-05	2.83E-06	4.35E-02	1.37E-05	1.81E-06	1.61E-02	5.10E-06	6.73E-07	1.64E-02	5.18E-06	6.83E-07	2.84E-06	1.82E-06
5815 490756.81, 3859894.53	1.00E-01	3.17E-05	4.18E-06	7.35E-02	2.32E-05	3.06E-06	3.82E-02	1.21E-05	1.59E-06	3.62E-02	1.14E-05	1.51E-06	4.10E-06	2.98E-06
5816 490668.07, 3859860.92	9.70E-02	3.06E-05	4.04E-06	7.04E-02	2.22E-05	2.93E-06	3.58E-02	1.13E-05	1.49E-06	3.45E-02	1.09E-05	1.44E-06	3.99E-06	2.88E-06
5817 490579.34, 3859827.3	9.66E-02	3.05E-05	4.03E-06	6.95E-02	2.19E-05	2.89E-06	3.48E-02	1.10E-05	1.45E-06	3.40E-02	1.07E-05	1.42E-06	4.00E-06	2.86E-06
5818 490490.6, 3859793.68	9.47E-02	2.99E-05	3.94E-06	6.69E-02	2.11E-05	2.79E-06	3.22E-02	1.02E-05	1.34E-06	3.20E-02	1.01E-05	1.33E-06	3.94E-06	2.78E-06
5819 490401.86, 3859760.07	9.38E-02	2.96E-05	3.91E-06	6.52E-02	2.06E-05	2.72E-06	3.03E-02	9.57E-06	1.26E-06	3.06E-02	9.66E-06	1.27E-06	3.92E-06	2.73E-06
5820 490313.12, 3859726.45	9.44E-02	2.98E-05	3.93E-06	6.50E-02	2.05E-05	2.71E-06	2.95E-02	9.32E-06	1.23E-06	3.02E-02	9.52E-06	1.26E-06	3.96E-06	2.73E-06
5821 490224.39, 3859692.83	9.52E-02	3.00E-05	3.96E-06	6.49E-02	2.05E-05	2.71E-06	2.89E-02	9.11E-06	1.20E-06	2.98E-02	9.41E-06	1.24E-06	4.00E-06	2.75E-06
5822 490135.65, 3859659.22	9.56E-02	3.02E-05	3.98E-06	6.48E-02	2.04E-05	2.70E-06	2.83E-02	8.92E-06	1.18E-06	2.95E-02	9.31E-06	1.23E-06	4.03E-06	2.75E-06
5823 489918.18, 3859559.23	1.04E-01	3.28E-05	4.33E-06	6.98E-02	2.20E-05	2.91E-06	2.98E-02	9.40E-06	1.24E-06	2.99E-02	9.44E-06	1.25E-06	4.34E-06	2.91E-06
5824 489743.61, 3859486	9.56E-02	3.02E-05	3.98E-06	5.92E-02	1.87E-05	2.47E-06	1.97E-02	6.22E-06	8.21E-07	1.97E-02	6.22E-06	8.21E-07	3.98E-06	2.47E-06

5825 489660.32, 3859440.27	9.81E-02	3.10E-05	4.09E-06	6.05E-02	1.91E-05	2.52E-06	1.97E-02	6.21E-06	8.20E-07	1.96E-02	6.18E-06	8.16E-07	4.08E-06	2.52E-06
5826 489577.04, 3859394.53	1.00E-01	3.17E-05	4.18E-06	6.15E-02	1.94E-05	2.56E-06	1.97E-02	6.21E-06	8.20E-07	1.95E-02	6.14E-06	8.11E-07	4.17E-06	2.55E-06
5827 489493.75, 3859348.8	1.02E-01	3.22E-05	4.26E-06	6.24E-02	1.97E-05	2.60E-06	1.96E-02	6.18E-06	8.16E-07	1.92E-02	6.05E-06	7.99E-07	4.24E-06	2.58E-06
5828 489321.28, 3859240.02	1.17E-01	3.69E-05	4.88E-06	7.29E-02	2.30E-05	3.04E-06	2.47E-02	7.81E-06	1.03E-06	2.20E-02	6.96E-06	9.18E-07	4.76E-06	2.93E-06
5829 489235.41, 3859193.96	1.22E-01	3.86E-05	5.10E-06	7.54E-02	2.38E-05	3.14E-06	2.45E-02	7.72E-06	1.02E-06	2.07E-02	6.53E-06	8.62E-07	4.95E-06	2.98E-06
5830 489149.54, 3859147.89	1.23E-01	3.89E-05	5.14E-06	7.51E-02	2.37E-05	3.13E-06	2.33E-02	7.34E-06	9.69E-07	1.87E-02	5.89E-06	7.78E-07	4.95E-06	2.94E-06
5831 489063.68, 3859101.82	1.30E-01	4.11E-05	5.43E-06	7.83E-02	2.47E-05	3.26E-06	2.31E-02	7.30E-06	9.64E-07	1.65E-02	5.20E-06	6.87E-07	5.15E-06	2.99E-06
5832 488977.81, 3859055.75	1.42E-01	4.47E-05	5.90E-06	8.37E-02	2.64E-05	3.49E-06	2.30E-02	7.24E-06	9.56E-07	1.41E-02	4.45E-06	5.87E-07	5.53E-06	3.12E-06
5833 488891.94, 3859009.69	1.59E-01	5.01E-05	6.61E-06	9.16E-02	2.89E-05	3.82E-06	2.22E-02	6.99E-06	9.23E-07	1.20E-02	3.79E-06	5.01E-07	6.19E-06	3.39E-06
5834 488808, 3859060.73	1.57E-01	4.96E-05	6.54E-06	8.14E-02	2.57E-05	3.39E-06	7.73E-03	2.44E-06	3.22E-07	5.75E-03	1.82E-06	2.40E-07	6.46E-06	3.31E-06
5835 488809.93, 3859157.85	1.49E-01	4.70E-05	6.21E-06	7.55E-02	2.38E-05	3.15E-06	4.65E-03	1.47E-06	1.94E-07	3.97E-03	1.25E-06	1.65E-07	6.18E-06	3.12E-06
5836 488811.85, 3859254.96	1.45E-01	4.56E-05	6.02E-06	7.25E-02	2.29E-05	3.02E-06	3.36E-03	1.06E-06	1.40E-07	3.04E-03	9.59E-07	1.27E-07	6.01E-06	3.01E-06
5837 488813.78, 3859352.07	1.42E-01	4.47E-05	5.90E-06	7.06E-02	2.23E-05	2.94E-06	2.65E-03	8.37E-07	1.10E-07	2.48E-03	7.82E-07	1.03E-07	5.89E-06	2.93E-06
5838 488815.71, 3859449.19	1.41E-01	4.44E-05	5.87E-06	7.00E-02	2.21E-05	2.91E-06	2.21E-03	6.97E-07	9.20E-08	2.10E-03	6.63E-07	8.75E-08	5.86E-06	2.91E-06
5839 488910.04, 3859547.1	1.34E-01	4.22E-05	5.58E-06	6.65E-02	2.10E-05	2.77E-06	2.04E-03	6.45E-07	8.51E-08	1.98E-03	6.24E-07	8.24E-08	5.57E-06	2.77E-06
5840 489002.45, 3859547.91	1.25E-01	3.94E-05	5.21E-06	6.23E-02	1.96E-05	2.59E-06	2.22E-03	7.00E-07	9.23E-08	2.16E-03	6.83E-07	9.01E-08	5.20E-06	2.59E-06
5841 489094.85, 3859548.71	1.17E-01	3.71E-05	4.89E-06	5.87E-02	1.85E-05	2.45E-06	2.43E-03	7.67E-07	1.01E-07	2.39E-03	7.54E-07	9.96E-08	4.89E-06	2.45E-06
5842 489230.05, 3859601.87	1.14E-01	3.60E-05	4.75E-06	5.71E-02	1.80E-05	2.38E-06	2.53E-03	7.98E-07	1.05E-07	2.51E-03	7.92E-07	1.05E-07	4.75E-06	2.38E-06
5843 489227.52, 3859680.89	1.11E-01	3.49E-05	4.61E-06	5.53E-02	1.74E-05	2.30E-06	2.17E-03	6.86E-07	9.06E-08	2.17E-03	6.84E-07	9.02E-08	4.61E-06	2.30E-06
5844 489133.47, 3859760.29	8.27E-02	2.61E-05	3.45E-06	4.14E-02	1.31E-05	1.73E-06	1.79E-03	5.65E-07	7.45E-08	1.78E-03	5.61E-07	7.41E-08	3.45E-06	1.72E-06
5845 489041.96, 3859760.67	8.62E-02	2.72E-05	3.59E-06	4.30E-02	1.36E-05	1.79E-06	1.68E-03	5.30E-07	7.00E-08	1.66E-03	5.23E-07	6.91E-08	3.59E-06	1.79E-06
5846 488950.45, 3859761.05	8.81E-02	2.78E-05	3.67E-06	4.39E-02	1.39E-05	1.83E-06	1.58E-03	4.99E-07	6.59E-08	1.55E-03	4.90E-07	6.47E-08	3.67E-06	1.83E-06
5847 488858.94, 3859761.43	8.97E-02	2.83E-05	3.73E-06	4.46E-02	1.41E-05	1.86E-06	1.50E-03	4.73E-07	6.25E-08	1.46E-03	4.62E-07	6.10E-08	3.73E-06	1.86E-06
5848 488767.43, 3859761.82	9.14E-02	2.89E-05	3.81E-06	4.54E-02	1.43E-05	1.89E-06	1.42E-03	4.48E-07	5.92E-08	1.38E-03	4.36E-07	5.75E-08	3.81E-06	1.89E-06
5849 488675.92, 3859762.2	9.43E-02	2.98E-05	3.93E-06	4.68E-02	1.48E-05	1.95E-06	1.35E-03	4.27E-07	5.64E-08	1.31E-03	4.14E-07	5.46E-08	3.93E-06	1.95E-06
5850 488584.41, 3859762.58	9.93E-02	3.13E-05	4.14E-06	4.91E-02	1.55E-05	2.05E-06	1.29E-03	4.07E-07	5.38E-08	1.25E-03	3.93E-07	5.19E-08	4.13E-06	2.05E-06
5851 488492.9, 3859762.96	1.10E-01	3.47E-05	4.58E-06	5.43E-02	1.71E-05	2.26E-06	1.24E-03	3.90E-07	5.15E-08	1.19E-03	3.76E-07	4.96E-08	4.58E-06	2.26E-06
5852 488402.76, 3859830.95	1.30E-01	4.11E-05	5.42E-06	6.40E-02	2.02E-05	2.67E-06	1.13E-03	3.57E-07	4.72E-08	1.09E-03	3.45E-07	4.56E-08	5.42E-06	2.67E-06
5853 488404.14, 3859898.55	1.32E-01	4.17E-05	5.50E-06	6.50E-02	2.05E-05	2.71E-06	1.08E-03	3.42E-07	4.52E-08	1.05E-03	3.32E-07	4.38E-08	5.50E-06	2.71E-06
5854 488505.18, 3859964.96	1.32E-01	4.18E-05	5.52E-06	6.52E-02	2.06E-05	2.72E-06	1.08E-03	3.41E-07	4.50E-08	1.06E-03	3.33E-07	4.40E-08	5.52E-06	2.71E-06
5855 488604.84, 3859963.76	1.27E-01	3.99E-05	5.27E-06	6.23E-02	1.97E-05	2.60E-06	1.12E-03	3.54E-07	4.67E-08	1.10E-03	3.46E-07	4.57E-08	5.27E-06	2.59E-06
5856 488704.51, 3859962.56	1.23E-01	3.89E-05	5.14E-06	6.08E-02	1.92E-05	2.53E-06	1.17E-03	3.68E-07	4.86E-08	1.14E-03	3.61E-07	4.77E-08	5.14E-06	2.53E-06
5857 488804.18, 3859961.37	1.21E-01	3.82E-05	5.05E-06	5.97E-02	1.89E-05	2.49E-06	1.22E-03	3.84E-07	5.07E-08	1.20E-03	3.78E-07	4.99E-08	5.05E-06	2.49E-06
5858 488903.85, 3859960.17	1.19E-01	3.75E-05	4.96E-06	5.87E-02	1.85E-05	2.45E-06	1.28E-03	4.02E-07	5.31E-08	1.26E-03	3.97E-07	5.24E-08	4.96E-06	2.45E-06
5859 489003.52, 3859958.97	1.16E-01	3.66E-05	4.83E-06	5.74E-02	1.81E-05	2.39E-06	1.34E-03	4.22E-07	5.57E-08	1.32E-03	4.18E-07	5.52E-08	4.83E-06	2.39E-06
5860 489103.18, 3859957.77	1.10E-01	3.47E-05	4.58E-06	5.44E-02	1.72E-05	2.27E-06	1.41E-03	4.43E-07	5.85E-08	1.40E-03	4.42E-07	5.83E-08	4.58E-06	2.27E-06
5861 489201.48, 3860046.59	1.22E-01	3.84E-05	5.07E-06	6.01E-02	1.90E-05	2.50E-06	1.36E-03	4.29E-07	5.66E-08	1.36E-03	4.29E-07	5.66E-08	5.07E-06	2.50E-06
5862 489200.11, 3860136.61	1.25E-01	3.93E-05	5.19E-06	6.15E-02	1.94E-05	2.56E-06	1.26E-03	3.97E-07	5.24E-08	1.26E-03	3.98E-07	5.25E-08	5.19E-06	2.56E-06
5863 489198.74, 3860226.63	1.24E-01	3.93E-05	5.19E-06	6.14E-02	1.94E-05	2.56E-06	1.18E-03	3.72E-07	4.91E-08	1.18E-03	3.73E-07	4.92E-08	5.19E-06	2.56E-06
5864 489197.38, 3860316.66	1.22E-01	3.85E-05	5.08E-06	6.01E-02	1.90E-05	2.50E-06	1.11E-03	3.50E-07	4.62E-08	1.11E-03	3.52E-07	4.64E-08	5.08E-06	2.50E-06
5865 489196.01, 3860406.68	1.18E-01	3.72E-05	4.90E-06	5.80E-02	1.83E-05	2.42E-06	1.04E-03	3.30E-07	4.35E-08	1.05E-03	3.32E-07	4.39E-08	4.90E-06	2.42E-06
5866 489194.64, 3860496.7	1.11E-01	3.49E-05	4.61E-06	5.45E-02	1.72E-05	2.27E-06	9.79E-04	3.09E-07	4.08E-08	9.88E-04	3.12E-07	4.11E-08	4.61E-06	2.27E-06
5867 489193.27, 3860586.72	9.66E-02	3.05E-05	4.02E-06	4.76E-02	1.50E-05	1.98E-06	9.18E-04	2.90E-07	3.82E-08	9.29E-04	2.93E-07	3.87E-08	4.02E-06	1.98E-06
5868 489092.02, 3860678.13	5.36E-02	1.69E-05	2.23E-06	2.66E-02	8.40E-06	1.11E-06	8.40E-04	2.65E-07	3.50E-08	8.47E-04	2.67E-07	3.53E-08	2.23E-06	1.11E-06
5869 488992.13, 3860679.53	5.52E-02	1.74E-05	2.30E-06	2.74E-02	8.65E-06	1.14E-06	8.16E-04	2.58E-07	3.40E-08	8.23E-04	2.60E-07	3.43E-08	2.30E-06	1.14E-06
5870 488892.24, 3860680.92	5.58E-02	1.76E-05	2.32E-06	2.77E-02	8.73E-06	1.15E-06	7.97E-04	2.52E-07	3.32E-08	8.00E-04	2.52E-07	3.33E-08	2.32E-06	1.15E-06
5871 488792.36, 3860682.31	5.62E-02	1.77E-05	2.34E-06	2.79E-02	8.80E-06	1.16E-06	7.79E-04	2.46E-07	3.24E-08	7.77E-04	2.45E-07	3.24E-08	2.34E-06	1.16E-06
5872 488692.48, 3860683.7	5.69E-02	1.80E-05	2.37E-06	2.82E-02	8.90E-06	1.17E-06	7.61E-04	2.40E-07	3.17E-08	7.57E-04	2.39E-07	3.16E-08	2.37E-06	1.17E-06
5873 488592.59, 3860685.09	5.87E-02	1.85E-05	2.44E-06	2.90E-02	9.16E-06	1.21E-06	7.44E-04	2.35E-07	3.10E-08	7.38E-04	2.33E-07	3.07E-08	2.44E-06	1.21E-06
5874 488492.71, 3860686.49	6.44E-02	2.03E-05	2.68E-06	3.18E-02	1.00E-05	1.33E-06	7.30E-04	2.30E-07	3.04E-08	7.21E-04	2.28E-07	3.01E-08	2.68E-06	1.32E-06
5875 488299.07, 3860762.18	3.95E-02	1.25E-05	1.65E-06	1.97E-02	6.21E-06	8.20E-07	6.86E-04	2.17E-07	2.86E-08	6.74E-04	2.13E-07	2.81E-08	1.65E-06	8.19E-07
5876 488205.32, 3860764.09	3.80E-02	1.20E-05	1.58E-06	1.89E-02	5.98E-06	7.89E-07	6.74E-04	2.13E-07	2.81E-08	6.61E-04	2.09E-07	2.75E-08	1.58E-06	7.89E-07
5877 488111.56, 3860766	3.46E-02	1.09E-05	1.44E-06	1.72E-02	5.44E-06	7.19E-07	6.60E-04	2.08E-07	2.75E-08	6.46E-04	2.04E-07	2.69E-08	1.44E-06	7.18E-07
5878 488017.81, 3860767.91	2.93E-02	9.23E-06	1.22E-06	1.47E-02	4.63E-06	6.11E-07	6.47E-04	2.04E-07	2.70E-08	6.32E-04	1.99E-07	2.63E-08	1.22E-06	6.10E-07
5879 487924.06, 3860769.81	2.28E-02	7.20E-06	9.50E-07	1.15E-02	3.63E-06	4.79E-07	6.33E-04	2.00E-07	2.64E-08	6.17E-04	1.95E-07	2.57E-08	9.49E-07	4.79E-07
5880 487830.31, 3860771.72	1.91E-02	6.03E-06	7.96E-07	9.71E-03	3.06E-06	4.04E-07	6.22E-04	1.96E-07	2.59E-08	6.06E-04	1.91E-07	2.52E-08	7.96E-07	4.04E-07
5881 487736.55, 3860773.63	1.66E-02	5.23E-06	6.90E-07	8.45E-03	2.67E-06	3.52E-07	6.09E-04	1.92E-07	2.54E-08	5.94E-04	1.88E-07	2.48E-08	6.89E-07	3.51E-07
5882 487642.8, 3860775.54	1.50E-02	4.72E-06	6.23E-07	7.67E-03	2.42E-06	3.19E-07	6.00E-04	1.89E-07	2.50E-08	5.84E-04	1.84E-07	2.43E-08	6.22E-07	3.19E-07
5883 487549.48, 3860684.71	1.68E-02	5.29E-06	6.98E-07	8.55E-03	2.70E-06	3.56E-07	6.09E-04	1.92E-07	2.54E-08	5.93E-04	1.87E-07	2.47E-08	6.97E-07	3.55E-07
5884 487549.91, 3860591.97	2.09E-02	6.59E-06	8.70E-07	1.06E-02	3.34E-06	4.41E-07	6.30E-04	1.99E-07	2.62E-08	6.09E-04	1.92E-07	2.54E-08	8.69E-07	4.40E-07
5885 487550.34, 3860499.23	2.66E-02	8.40E-06	1.11E-06	1.34E-02	4.22E-06	5.57E-07	6.52E-04	2.06E-07	2.71E-08	6.28E-04	1.98E-07	2.62E-08	1.11E-06	5.56E-07
5886 487550.76, 3860406.49	3.52E-02	1.11E-05	1.47E-06	1.76E-02	5.55E-06	7.33E-07	6.78E-04	2.14E-07	2.83E-08	6.53E-04	2.06E-07	2.72E-08	1.47E-06	7.32E-07
5887 487551.19, 3860313.75	4.98E-02	1.57E-05	2.07E-06	2.47E-02	7.79E-06	1.03E-06	7.08E-04	2.23E-07	2.95E-08	6.79E-04	2.14E-07	2.83E-08	2.07E-06	1.03E-06
5888 487551.62, 3860221.01	5.58E-02	1.76E-05	2.32E-06	2.76E-02	8.72E-06	1.15E-06	7.41E-04	2.34E-07	3.09E-08	7.08E-04	2.24E-07	2.95E-08	2.32E-06	1.15E-06
5889 487552.05, 3860128.27	5.81E-02	1.84E-05	2.42E-06	2.88E-02	9.09E-06	1.20E-06	7.79E-04	2.46E-07	3.24E-08	7.41E-04	2.34E-07	3.09E-08	2.42E-06	1.20E-06
5890 487552.48, 3860035.53	6.00E-02	1.89E-05	2.50E-06	2.97E-02	9.38E-06	1.24E-06	8.15E-04	2.57E-07	3.39E-08	7.72E-04	2.44E-07	3.22E-08	2.50E-06	1.24E-06
5891 487552.91, 3859942.79	6.16E-02	1.94E-05	2.57E-06	3.05E-02	9.63E-06	1.27E-06	8.46E-04	2.67E-07	3.52E-08	7.97E-04	2.51E-07	3.32E-08	2.56E-06	1.27E-06
5892 487553.33, 3859850.05	6.34E-02	2.00E-05	2.64E-06	3.14E-02	9.91E-06	1.31E-06	8.80E-04	2.78E-07	3.67E-08	8.23E-04	2.60E-07	3.43E-08	2.64E-06	1.31E-06
5893 487553.76, 3859757.31	6.56E-02	2.07E-05	2.73E-06	3.25E-02	1.03E-05	1.35E-06	9.13E-04	2.88E-07	3.80E-08	8.47E-04	2.67E-07	3.53E-08	2.73E-06	1.35E-06
5894 487554.19, 3859664.57	6.98E-02	2.20E-05	2.91E-06	3.46E-02	1.09E-05	1.44E-06	9.49E-04	3.00E-07	3.95E-08	8.72E-04	2.75E-07	3.63E-08	2.91E-06	1.44E-06
5895 487460.2, 3859571.05	7.00E-02	2.21E-05	2.92E-06	3.47E-02	1.10E-05	1.45E-06	9.68E-04	3.06E-07	4.03E-08	8.75E-04	2.76E-07	3.64E-08	2.91E-06	1.44E-06
5896 487365.78, 3859570.27	5.92E-02	1.87E-05	2.47E-06	2.94E-02	9.29E-06	1.23E-06	9.43E-04	2.98E-07	3.93E-08	8.52E-04	2.69E-07	3.55E-08	2.46E-06	1.22E-06
5897 487271.36, 3859569.48	4.77E-02	1.50E-05	1.99E-06	2.38E-02	7.51E-06	9.91E-07	9.21E-04	2.91E-07	3.84E-08	8.29E-04	2.62E-07	3.45E-08	1.98E-06	9.87E-07
5898 487176.94, 3859568.7	3.89E-02	1.23E-05	1.62E-06	1.95E-02	6.16E-06	8.13E-07	8.99E-04	2.84E-07	3.75E-08	8.06E-04	2.54E-07	3.36E-08	1.62E-06	8.10E-07
5899 487082.51, 3859567.92	3.32E-02	1.05E-05	1.38E-06	1.67E-02	5.28E-06	6.98E-07	8.79E-04	2.77E-07	3.66E-08	7.88E-04	2.49E-07	3.28E-08	1.38E-06	6.94E-07
5900 486988.09, 3859567.14	2.93E-02	9.24E-06	1.22E-06	1.48E-02	4.67E-06	6.17E-07	8.58E-04	2.71E-07	3.58E-08	7.69E-04	2.43E-07	3.20E-08	1.22E-06	6.13E-07
5901 486893.67, 3859566.36	2.63E-02	8.29E-06	1.09E-06	1.33E-02	4.20E-06	5.55E-07	8.40E-04	2.65E-07	3.50E-08	7.52E-04	2.37E-07	3.13E-08	1.09E-06	5.51E-07
5902 486799.25, 3859565.58	2.39E-02	7.54E-06	9.96E-07	1.22E-02	3.84E-06	5.07E-07	8.22E-04	2.60E-07	3.43E-08	7.36E-04	2.32E-07	3.07E-08	9.92E-07	5.03E-07
5903 486704.83, 3859564.79	2.21E-02	6.98E-06	9.21E-07	1.13E-02	3.56E-06	4.70E-07	8.05E-04	2.54E-07	3.35E-08	7.21E-04	2.28E-07	3.01E-08	9.17E-07	4.66E-07
5904 486610.41, 3859564.01	2.07E-02	6.53E-06	8.62E-07	1.06E-02	3.34E-06	4.41E-07	7.90E-04	2.49E-07	3.29E-08	7.08E-04	2.24E-07	2.95E-08	8.58E-07	4.37E-07
5905 486515.99, 3859563.23	1.95E-02	6.14E-06	8.11E-07	9.97E-03	3.15E-06	4.15E-07	7.72E-04	2.44E-07	3.22E-08	6.94E-04	2.19E-07	2.89E-08	8.08E-07	4.12E-07
5906 486421.57, 3859562.45	1.84E-02	5.80E-06	7.66E-07	9.44E-03	2.98E-06	3.93E-07	7.57E-04	2.39E-07	3.15E-08	6.81E-04	2.15E-07	2.84E-08	7.63E-07	3.90E-07
5907 486327.14, 3859561.67	1.74E-02	5.49E-06	7.25E-07	8.95E-03	2.83E-06	3.73E-07	7.44E-04	2.35E-07	3.10E-08	6.69E-04	2.11E-07	2.79E-08	7.22E-07	3.70E-07
5908 486232.72, 3859560.89	1.65E-02	5.21E-06	6.87E-07	8.50E-03	2.68E-06	3.54E-07	7.28E-04	2.30E-07	3.03E-08	6.56E-04	2.07E-07	2.73E-08	6.84E-07	3.51E-07
5909 486138.3, 3859560.1	1.57E-02	4.95E-06	6.53E-07	8.09E-03	2.55E-06	3.37E-07	7.14E-04	2.25E-07	2.98E-08	6.45E-04	2.03E-07	2.69E-08	6.50E-07	3.34E-07
5910 486043.88, 3859559.32	1.49E-02	4.71E-06	6.22E-07	7.71E-03	2.43E-06	3.21E-07	7.00E-04	2.21E-07	2.92E-08	6.32E-04	1.99E-07	2.63E-08	6.19E-07	3.19E-07
5911 485949.35, 3859463.54	1.51E-02	4.77E-06	6.30E-07	7.81E-03	2.47E-06	3.26E-07	7.08E-04	2.23E-07	2.95E-08	6.33E-04	2.00E-07	2.64E-08	6.27E-07	3.22E-07
5912 485949.24, 3859368.55	1.61E-02	5.07E-06	6.70E-07	8.29E-03	2.62E-06	3.46E-07	7.30E-04	2.30E-07	3.04E-08	6.45E-04	2.03E-07	2.69E-08	6.66E-07	3.42E-07
5913 485949.12, 3859273.55	1.71E-02	5.39E-06	7.12E-07	8.80E-03	2.78E-06	3.67E-07	7.53E-04	2.38E-07	3.14E-08	6.55E-04	2.07E-07	2.73E-08	7.08E-07	3.63E-07
5914 485949.01, 3859178.56	1.82E-02	5.74E-06	7.57E-07	9.35E-03	2.95E-06	3.89E-07	7.77E-04	2.45E-07	3.24E-08	6.66E-04	2.10E-07	2.77E-08	7.52E-07	3.85E-07
5915 485948.9, 3859083.56	1.93E-02	6.10E-06	8.06E-07	9.93E-03	3.13E-06	4.14E-07	8.07E-04	2.55E-07	3.36E-08	6.79E-04	2.14E-07	2.83E-08	8.00E-07	4.08E-07
5916 485948.79, 3858988.56	2.05E-02	6.47E-06	8.54E-07	1.05E-02	3.32E-06	4.38E-07	8.41E-04	2.66E-07	3.50E-08	6.95E-04	2.19E-07	2.90E-08	8.48E-07	4.32E-07
5917 485948.67, 3858893.57	2.16E-02	6.83E-06	9.02E-07	1.11E-02	3.50E-06	4.63E-07	8.80E-04	2.78E-07	3.67E-08	7.13E-04	2.25E-07	2.97E-08	8.95E-07	4.56E-07
5918 485948.56, 3858798.57	2.28E-02	7.19E-06	9.49E-07	1.17E-02	3.69E-06	4.87E-07	9.26E-04	2.92E-07	3.86E-08	7.36E-04	2.32E-07	3.07E-08	9.41E-07	4.79E-07

5919 485948.45, 3858703.58	2.39E-02	7.54E-06	9.95E-07	1.23E-02	3.87E-06	5.11E-07	9.74E-04	3.08E-07	4.06E-08	7.56E-04	2.39E-07	3.15E-08	9.86E-07	5.01E-07
5920 485948.34, 3858608.58	2.51E-02	7.91E-06	1.04E-06	1.29E-02	4.06E-06	5.36E-07	1.03E-03	3.25E-07	4.29E-08	7.80E-04	2.46E-07	3.25E-08	1.03E-06	5.26E-07
5921 485948.22, 3858513.59	2.63E-02	8.31E-06	1.10E-06	1.35E-02	4.27E-06	5.63E-07	1.09E-03	3.45E-07	4.56E-08	8.03E-04	2.53E-07	3.35E-08	1.09E-06	5.51E-07
5922 485948.11, 3858418.59	2.78E-02	8.77E-06	1.16E-06	1.43E-02	4.51E-06	5.95E-07	1.16E-03	3.67E-07	4.85E-08	8.24E-04	2.60E-07	3.43E-08	1.14E-06	5.81E-07
5923 485948, 3858323.59	2.96E-02	9.34E-06	1.23E-06	1.52E-02	4.80E-06	6.34E-07	1.25E-03	3.94E-07	5.20E-08	8.50E-04	2.68E-07	3.54E-08	1.22E-06	6.17E-07
5924 485947.89, 3858228.6	3.19E-02	1.01E-05	1.33E-06	1.64E-02	5.18E-06	6.83E-07	1.34E-03	4.24E-07	5.59E-08	8.75E-04	2.76E-07	3.64E-08	1.31E-06	6.64E-07
5925 485947.77, 3858133.6	3.52E-02	1.11E-05	1.47E-06	1.81E-02	5.70E-06	7.53E-07	1.46E-03	4.59E-07	6.06E-08	9.01E-04	2.84E-07	3.75E-08	1.44E-06	7.30E-07
5926 485947.66, 3858038.61	3.96E-02	1.25E-05	1.65E-06	2.03E-02	6.41E-06	8.46E-07	1.61E-03	5.07E-07	6.70E-08	9.34E-04	2.95E-07	3.89E-08	1.62E-06	8.18E-07
5927 485854.54, 3857943.35	4.14E-02	1.31E-05	1.73E-06	2.12E-02	6.70E-06	8.85E-07	1.65E-03	5.21E-07	6.88E-08	9.32E-04	2.94E-07	3.88E-08	1.70E-06	8.55E-07
5928 485761.52, 3857943.09	3.57E-02	1.13E-05	1.49E-06	1.84E-02	5.80E-06	7.66E-07	1.54E-03	4.87E-07	6.43E-08	9.03E-04	2.85E-07	3.76E-08	1.46E-06	7.39E-07
5929 485668.51, 3857942.83	3.18E-02	1.00E-05	1.32E-06	1.64E-02	5.18E-06	6.84E-07	1.46E-03	4.59E-07	6.06E-08	8.77E-04	2.77E-07	3.65E-08	1.30E-06	6.60E-07
5930 485575.5, 3857942.56	2.89E-02	9.11E-06	1.20E-06	1.49E-02	4.71E-06	6.22E-07	1.37E-03	4.33E-07	5.72E-08	8.50E-04	2.68E-07	3.54E-08	1.18E-06	6.01E-07
5931 485482.48, 3857942.3	2.66E-02	8.40E-06	1.11E-06	1.38E-02	4.35E-06	5.75E-07	1.30E-03	4.11E-07	5.43E-08	8.28E-04	2.61E-07	3.45E-08	1.09E-06	5.55E-07
5932 485389.47, 3857942.04	2.48E-02	7.81E-06	1.03E-06	1.28E-02	4.06E-06	5.35E-07	1.24E-03	3.92E-07	5.17E-08	8.06E-04	2.54E-07	3.36E-08	1.01E-06	5.17E-07
5933 485296.46, 3857941.78	2.32E-02	7.32E-06	9.66E-07	1.21E-02	3.80E-06	5.02E-07	1.18E-03	3.73E-07	4.93E-08	7.87E-04	2.48E-07	3.28E-08	9.50E-07	4.86E-07
5934 485203.45, 3857941.52	2.19E-02	6.91E-06	9.12E-07	1.14E-02	3.59E-06	4.74E-07	1.13E-03	3.58E-07	4.73E-08	7.69E-04	2.43E-07	3.20E-08	8.96E-07	4.59E-07
5935 485110.43, 3857941.26	2.07E-02	6.55E-06	8.64E-07	1.08E-02	3.41E-06	4.50E-07	1.09E-03	3.43E-07	4.52E-08	7.49E-04	2.36E-07	3.12E-08	8.50E-07	4.36E-07
5936 485017.42, 3857940.99	1.97E-02	6.23E-06	8.22E-07	1.03E-02	3.24E-06	4.28E-07	1.04E-03	3.28E-07	4.33E-08	7.30E-04	2.30E-07	3.04E-08	8.09E-07	4.15E-07
5937 484924.41, 3857940.73	1.88E-02	5.94E-06	7.85E-07	9.81E-03	3.10E-06	4.09E-07	9.98E-04	3.15E-07	4.16E-08	7.12E-04	2.25E-07	2.96E-08	7.73E-07	3.97E-07
5938 484831.39, 3857940.47	1.80E-02	5.69E-06	7.51E-07	9.39E-03	2.96E-06	3.91E-07	9.59E-04	3.03E-07	3.99E-08	6.95E-04	2.19E-07	2.90E-08	7.40E-07	3.80E-07
5939 484738.12, 3857859.3	1.81E-02	5.72E-06	7.56E-07	9.45E-03	2.98E-06	3.94E-07	9.60E-04	3.03E-07	4.00E-08	6.92E-04	2.18E-07	2.88E-08	7.44E-07	3.82E-07
5940 484737.85, 3857778.4	1.92E-02	6.05E-06	7.99E-07	9.98E-03	3.15E-06	4.16E-07	1.00E-03	3.17E-07	4.18E-08	7.07E-04	2.23E-07	2.94E-08	7.87E-07	4.04E-07
5941 484737.59, 3857697.49	2.04E-02	6.45E-06	8.52E-07	1.06E-02	3.35E-06	4.43E-07	1.05E-03	3.32E-07	4.38E-08	7.23E-04	2.28E-07	3.01E-08	8.38E-07	4.29E-07
5942 484737.32, 3857616.59	2.20E-02	6.95E-06	9.17E-07	1.14E-02	3.60E-06	4.76E-07	1.10E-03	3.48E-07	4.59E-08	7.38E-04	2.33E-07	3.07E-08	9.02E-07	4.61E-07
5943 484645.53, 3857535.18	2.29E-02	7.24E-06	9.56E-07	1.19E-02	3.75E-06	4.95E-07	1.11E-03	3.49E-07	4.61E-08	7.36E-04	2.32E-07	3.07E-08	9.41E-07	4.80E-07
5944 484553.99, 3857534.67	2.19E-02	6.91E-06	9.12E-07	1.13E-02	3.58E-06	4.73E-07	1.06E-03	3.34E-07	4.41E-08	7.18E-04	2.27E-07	2.99E-08	8.98E-07	4.58E-07
5945 484462.46, 3857534.17	2.10E-02	6.61E-06	8.73E-07	1.09E-02	3.43E-06	4.52E-07	1.01E-03	3.20E-07	4.22E-08	7.02E-04	2.22E-07	2.92E-08	8.60E-07	4.39E-07
5946 484370.93, 3857533.66	2.01E-02	6.34E-06	8.36E-07	1.04E-02	3.28E-06	4.33E-07	9.74E-04	3.08E-07	4.06E-08	6.87E-04	2.17E-07	2.86E-08	8.24E-07	4.21E-07
5947 484279.4, 3857533.16	1.93E-02	6.08E-06	8.03E-07	9.98E-03	3.15E-06	4.16E-07	9.38E-04	2.96E-07	3.91E-08	6.74E-04	2.13E-07	2.81E-08	7.92E-07	4.05E-07
5948 484187.86, 3857532.65	1.85E-02	5.84E-06	7.70E-07	9.59E-03	3.03E-06	3.99E-07	9.07E-04	2.86E-07	3.78E-08	6.61E-04	2.09E-07	2.75E-08	7.60E-07	3.89E-07
5949 484096.33, 3857532.15	1.77E-02	5.60E-06	7.39E-07	9.20E-03	2.90E-06	3.83E-07	8.79E-04	2.77E-07	3.66E-08	6.50E-04	2.05E-07	2.71E-08	7.29E-07	3.74E-07
5950 484004.8, 3857531.64	1.71E-02	5.39E-06	7.11E-07	8.86E-03	2.80E-06	3.69E-07	8.54E-04	2.69E-07	3.56E-08	6.38E-04	2.01E-07	2.66E-08	7.02E-07	3.60E-07
5951 483913.27, 3857531.14	1.65E-02	5.21E-06	6.87E-07	8.56E-03	2.70E-06	3.57E-07	8.30E-04	2.62E-07	3.46E-08	6.27E-04	1.98E-07	2.61E-08	6.79E-07	3.48E-07
5952 483821.73, 3857530.63	1.60E-02	5.07E-06	6.69E-07	8.33E-03	2.63E-06	3.47E-07	8.08E-04	2.55E-07	3.37E-08	6.17E-04	1.95E-07	2.57E-08	6.61E-07	3.39E-07
5953 483729.61, 3857450.11	1.69E-02	5.32E-06	7.02E-07	8.73E-03	2.75E-06	3.64E-07	8.11E-04	2.56E-07	3.38E-08	6.17E-04	1.95E-07	2.57E-08	6.94E-07	3.56E-07
5954 483729.03, 3857370.08	1.85E-02	5.82E-06	7.69E-07	9.52E-03	3.01E-06	3.97E-07	8.38E-04	2.65E-07	3.49E-08	6.28E-04	1.98E-07	2.62E-08	7.60E-07	3.88E-07
5955 483728.44, 3857290.06	2.08E-02	6.56E-06	8.66E-07	1.07E-02	3.37E-06	4.45E-07	8.66E-04	2.73E-07	3.61E-08	6.38E-04	2.01E-07	2.66E-08	8.56E-07	4.35E-07
5956 483727.86, 3857210.03	2.43E-02	7.68E-06	1.01E-06	1.24E-02	3.92E-06	5.18E-07	8.94E-04	2.82E-07	3.73E-08	6.50E-04	2.05E-07	2.71E-08	1.00E-06	5.07E-07
5957 483641.15, 3857129.07	2.63E-02	8.31E-06	1.10E-06	1.34E-02	4.23E-06	5.58E-07	8.99E-04	2.84E-07	3.75E-08	6.51E-04	2.06E-07	2.71E-08	1.09E-06	5.48E-07
5958 483555.03, 3857128.14	2.39E-02	7.56E-06	9.97E-07	1.22E-02	3.86E-06	5.09E-07	8.73E-04	2.75E-07	3.64E-08	6.40E-04	2.02E-07	2.67E-08	9.88E-07	4.99E-07
5959 483468.91, 3857127.2	2.22E-02	7.00E-06	9.24E-07	1.13E-02	3.58E-06	4.72E-07	8.47E-04	2.67E-07	3.53E-08	6.28E-04	1.98E-07	2.62E-08	9.15E-07	4.63E-07
5960 483382.78, 3857126.26	2.08E-02	6.57E-06	8.67E-07	1.07E-02	3.36E-06	4.44E-07	8.26E-04	2.61E-07	3.44E-08	6.20E-04	1.96E-07	2.58E-08	8.58E-07	4.36E-07
5961 483296.66, 3857125.32	1.96E-02	6.20E-06	8.18E-07	1.01E-02	3.18E-06	4.20E-07	8.05E-04	2.54E-07	3.35E-08	6.10E-04	1.93E-07	2.54E-08	8.10E-07	4.12E-07
5962 483210.54, 3857124.39	1.86E-02	5.88E-06	7.76E-07	9.57E-03	3.02E-06	3.99E-07	7.85E-04	2.48E-07	3.27E-08	6.02E-04	1.90E-07	2.51E-08	7.68E-07	3.91E-07
5963 483123.4, 3857030.96	1.91E-02	6.04E-06	7.97E-07	9.82E-03	3.10E-06	4.09E-07	7.91E-04	2.50E-07	3.30E-08	6.06E-04	1.91E-07	2.52E-08	7.89E-07	4.01E-07
5964 483122.38, 3856938.46	2.07E-02	6.54E-06	8.64E-07	1.06E-02	3.35E-06	4.42E-07	8.18E-04	2.58E-07	3.41E-08	6.17E-04	1.95E-07	2.57E-08	8.55E-07	4.34E-07
5965 483121.35, 3856845.97	2.25E-02	7.11E-06	9.38E-07	1.15E-02	3.63E-06	4.79E-07	8.44E-04	2.66E-07	3.52E-08	6.30E-04	1.99E-07	2.62E-08	9.29E-07	4.70E-07
5966 483120.33, 3856753.47	2.44E-02	7.69E-06	1.02E-06	1.24E-02	3.92E-06	5.18E-07	8.71E-04	2.75E-07	3.63E-08	6.41E-04	2.02E-07	2.67E-08	1.01E-06	5.08E-07
5967 483119.31, 3856660.98	2.63E-02	8.30E-06	1.10E-06	1.34E-02	4.22E-06	5.57E-07	9.01E-04	2.84E-07	3.75E-08	6.53E-04	2.06E-07	2.72E-08	1.08E-06	5.47E-07
5968 483118.29, 3856568.49	2.82E-02	8.91E-06	1.18E-06	1.43E-02	4.53E-06	5.98E-07	9.34E-04	2.95E-07	3.89E-08	6.64E-04	2.10E-07	2.77E-08	1.17E-06	5.87E-07
5969 483117.26, 3856475.99	3.04E-02	9.58E-06	1.26E-06	1.54E-02	4.86E-06	6.42E-07	9.71E-04	3.07E-07	4.05E-08	6.77E-04	2.14E-07	2.82E-08	1.25E-06	6.30E-07
5970 483116.24, 3856383.5	3.30E-02	1.04E-05	1.37E-06	1.67E-02	5.27E-06	6.96E-07	1.01E-03	3.19E-07	4.22E-08	6.90E-04	2.18E-07	2.88E-08	1.36E-06	6.82E-07
5971 483115.22, 3856291.01	3.68E-02	1.16E-05	1.53E-06	1.86E-02	5.87E-06	7.75E-07	1.06E-03	3.33E-07	4.40E-08	7.05E-04	2.23E-07	2.94E-08	1.52E-06	7.61E-07
5972 483114.2, 3856198.51	4.37E-02	1.38E-05	1.82E-06	2.20E-02	6.94E-06	9.16E-07	1.10E-03	3.49E-07	4.60E-08	7.21E-04	2.28E-07	3.01E-08	1.80E-06	9.00E-07
5973 483113.17, 3856106.02	5.81E-02	1.83E-05	2.42E-06	2.90E-02	9.16E-06	1.21E-06	1.17E-03	3.68E-07	4.86E-08	7.41E-04	2.34E-07	3.09E-08	2.40E-06	1.19E-06
5974 483112.15, 3856013.52	6.52E-02	2.06E-05	2.72E-06	3.25E-02	1.03E-05	1.36E-06	1.23E-03	3.89E-07	5.14E-08	7.62E-04	2.41E-07	3.18E-08	2.70E-06	1.34E-06
5975 483029.25, 3855920.47	5.32E-02	1.68E-05	2.22E-06	2.67E-02	8.42E-06	1.11E-06	1.25E-03	3.94E-07	5.20E-08	7.72E-04	2.44E-07	3.22E-08	2.20E-06	1.09E-06
5976 482947.37, 3855919.91	4.26E-02	1.35E-05	1.78E-06	2.15E-02	6.79E-06	8.97E-07	1.19E-03	3.76E-07	4.96E-08	7.59E-04	2.40E-07	3.16E-08	1.76E-06	8.79E-07
5977 482865.49, 3855919.36	3.60E-02	1.14E-05	1.50E-06	1.83E-02	5.76E-06	7.61E-07	1.14E-03	3.59E-07	4.74E-08	7.46E-04	2.35E-07	3.11E-08	1.48E-06	7.44E-07
5978 482783.61, 3855918.8	3.19E-02	1.01E-05	1.33E-06	1.62E-02	5.12E-06	6.76E-07	1.09E-03	3.46E-07	4.56E-08	7.35E-04	2.32E-07	3.06E-08	1.31E-06	6.61E-07
5979 482700.33, 3855818.39	3.34E-02	1.05E-05	1.39E-06	1.69E-02	5.35E-06	7.06E-07	1.11E-03	3.49E-07	4.61E-08	7.44E-04	2.35E-07	3.10E-08	1.37E-06	6.91E-07
5980 482698.92, 3855718.54	5.19E-02	1.64E-05	2.16E-06	2.60E-02	8.20E-06	1.08E-06	1.17E-03	3.69E-07	4.88E-08	7.69E-04	2.43E-07	3.20E-08	2.14E-06	1.07E-06
5981 482697.52, 3855618.68	5.96E-02	1.88E-05	2.48E-06	2.98E-02	9.41E-06	1.24E-06	1.24E-03	3.92E-07	5.18E-08	7.97E-04	2.51E-07	3.32E-08	2.47E-06	1.22E-06
5982 482696.11, 3855518.83	6.22E-02	1.96E-05	2.59E-06	3.11E-02	9.83E-06	1.30E-06	1.33E-03	4.20E-07	5.54E-08	8.29E-04	2.62E-07	3.45E-08	2.57E-06	1.28E-06
5983 482694.71, 3855418.98	6.35E-02	2.00E-05	2.64E-06	3.18E-02	1.00E-05	1.33E-06	1.43E-03	4.51E-07	5.95E-08	8.65E-04	2.73E-07	3.60E-08	2.62E-06	1.30E-06
5984 482693.3, 3855319.13	6.42E-02	2.03E-05	2.68E-06	3.23E-02	1.02E-05	1.34E-06	1.55E-03	4.88E-07	6.44E-08	9.04E-04	2.85E-07	3.77E-08	2.65E-06	1.32E-06
5985 482691.9, 3855219.27	6.47E-02	2.04E-05	2.70E-06	3.26E-02	1.03E-05	1.36E-06	1.69E-03	5.32E-07	7.03E-08	9.52E-04	3.00E-07	3.96E-08	2.67E-06	1.33E-06
5986 482690.49, 3855119.42	6.50E-02	2.05E-05	2.71E-06	3.28E-02	1.04E-05	1.37E-06	1.86E-03	5.86E-07	7.73E-08	1.00E-03	3.16E-07	4.18E-08	2.67E-06	1.33E-06
5987 482689.09, 3855019.57	6.52E-02	2.06E-05	2.72E-06	3.31E-02	1.04E-05	1.38E-06	2.08E-03	6.55E-07	8.65E-08	1.06E-03	3.36E-07	4.43E-08	2.68E-06	1.34E-06
5988 482687.68, 3854919.71	6.53E-02	2.06E-05	2.72E-06	3.33E-02	1.05E-05	1.39E-06	2.34E-03	7.38E-07	9.74E-08	1.13E-03	3.58E-07	4.73E-08	2.67E-06	1.34E-06
5989 482686.28, 3854819.86	6.58E-02	2.08E-05	2.74E-06	3.37E-02	1.06E-05	1.41E-06	2.68E-03	8.44E-07	1.11E-07	1.22E-03	3.85E-07	5.09E-08	2.68E-06	1.34E-06
5990 482684.88, 3854720.01	6.66E-02	2.10E-05	2.78E-06	3.44E-02	1.09E-05	1.43E-06	3.08E-03	9.72E-07	1.28E-07	1.32E-03	4.17E-07	5.50E-08	2.70E-06	1.36E-06
5991 482683.47, 3854620.16	6.68E-02	2.11E-05	2.78E-06	3.48E-02	1.10E-05	1.45E-06	3.59E-03	1.13E-06	1.49E-07	1.45E-03	4.59E-07	6.05E-08	2.70E-06	1.36E-06
5992 482682.07, 3854520.31	6.70E-02	2.11E-05	2.79E-06	3.53E-02	1.11E-05	1.47E-06	4.15E-03	1.31E-06	1.73E-07	1.61E-03	5.08E-07	6.71E-08	2.68E-06	1.36E-06
5993 482680.66, 3854420.45	6.70E-02	2.11E-05	2.79E-06	3.57E-02	1.13E-05	1.49E-06	4.76E-03	1.50E-06	1.98E-07	1.81E-03	5.72E-07	7.56E-08	2.67E-06	1.36E-06
5994 482679.26, 3854320.6	6.68E-02	2.11E-05	2.78E-06	3.59E-02	1.13E-05	1.50E-06	5.29E-03	1.67E-06	2.20E-07	2.07E-03	6.53E-07	8.62E-08	2.65E-06	1.36E-06
5995 482677.85, 3854220.75	6.66E-02	2.10E-05	2.77E-06	3.61E-02	1.14E-05	1.50E-06	5.69E-03	1.80E-06	2.37E-07	2.43E-03	7.67E-07	1.01E-07	2.64E-06	1.37E-06
5996 482676.45, 3854120.9	6.54E-02	2.06E-05	2.72E-06	3.56E-02	1.12E-05	1.48E-06	5.87E-03	1.85E-06	2.45E-07	2.83E-03	8.93E-07	1.18E-07	2.60E-06	1.36E-06
5997 482675.04, 3854021.04	6.45E-02	2.04E-05	2.69E-06	3.53E-02	1.11E-05	1.47E-06	6.10E-03	1.93E-06	2.54E-07	3.32E-03	1.05E-06	1.38E-07	2.57E-06	1.36E-06
5998 482673.64, 3853921.19	6.19E-02	1.95E-05	2.58E-06	3.42E-02	1.08E-05	1.43E-06	6.33E-03	2.00E-06	2.64E-07	3.84E-03	1.21E-06	1.60E-07	2.47E-06	1.32E-06
5999 482672.23, 3853821.34	6.01E-02	1.90E-05	2.51E-06	3.36E-02	1.06E-05	1.40E-06	6.73E-03	2.12E-06	2.80E-07	4.44E-03	1.40E-06	1.85E-07	2.41E-06	1.31E-06
6000 482670.83, 3853721.48	5.85E-02	1.85E-05	2.44E-06	3.31E-02	1.04E-05	1.38E-06	7.19E-03	2.27E-06	3.00E-07	5.24E-03	1.65E-06	2.18E-07	2.35E-06	1.30E-06
6001 482669.42, 3853621.63	5.68E-02	1.79E-05	2.37E-06	3.27E-02	1.03E-05	1.36E-06	7.76E-03	2.45E-06	3.23E-07	6.37E-03	2.01E-06	2.65E-07	2.31E-06	1.30E-06
6002 482645.99, 3853446.13	5.27E-02	1.66E-05	2.19E-06	3.13E-02	9.89E-06	1.31E-06	8.84E-03	2.79E-06	3.68E-07	8.47E-03	2.67E-06	3.53E-07	2.18E-06	1.29E-06
6003 482623.96, 3853370.48	5.02E-02	1.59E-05	2.09E-06	3.02E-02	9.54E-06	1.26E-06	8.94E-03	2.82E-06	3.73E-07	8.96E-03	2.83E-06	3.73E-07	2.09E-06	1.26E-06
6004 482601.94, 3853294.84	4.85E-02	1.53E-05	2.02E-06	2.96E-02	9.35E-06	1.23E-06	9.36E-03	2.96E-06	3.90E-07	9.72E-03	3.07E-06	4.05E-07	2.03E-06	1.25E-06
6005 482531.29, 3853133.44	4.68E-02	1.48E-05	1.95E-06	2.97E-02	9.39E-06	1.24E-06	1.08E-02	3.40E-06	4.49E-07	1.12E-02	3.55E-06	4.68E-07	1.97E-06	1.26E-06
6006 482482.68, 3853047.69	4.61E-02	1.45E-05	1.92E-06	2.99E-02	9.43E-06	1.25E-06	1.16E-02	3.65E-06	4.82E-07	1.22E-02	3.84E-06	5.06E-07	1.94E-06	1.27E-06
6007 482383.08, 3852897.4	4.98E-02	1.57E-05	2.08E-06	3.53E-02	1.11E-05	1.47E-06	1.71E-02	5.40E-06	7.12E-07	1.81E-02	5.73E-06	7.56E-07	2.12E-06	1.51E-06
6008 482265.64, 3852765.26	5.05E-02	1.60E-05	2.11E-06	3.71E-02	1.17E-05	1.54E-06	1.93E-02	6.09E-06	8.04E-07	2.05E-02	6.47E-06	8.54E-07	2.16E-06	1.59E-06
6009 482199.16, 3852697.66	4.96E-02	1.57E-05	2.07E-06	3.65E-02	1.15E-05	1.52E-06	1.91E-02	6.03E-06	7.96E-07	2.03E-02	6.40E-06	8.45E-07	2.12E-06	1.57E-06
6010 482132.69, 3852630.07	4.87E-02	1.54E-05	2.03E-06	3.58E-02	1.13E-05	1.49E-06	1.88E-02	5.92E-06	7.82E-07	1.99E-02	6.28E-06	8.30E-07	2.08E-06	1.54E-06
6011 482066.21, 3852562.48	4.80E-02	1.51E-05	2.00E-06	3.54E-02	1.12E-05	1.47E-06	1.86E-02	5.87E-06	7.74E-07	1.97E-02	6.22E-06	8.21E-07	2.05E-06	1.52E-06
6012 481999.74, 3852494.89	4.72E-02	1.49E-05	1.97E-06	3.47E-02	1.10E-05	1.45E-06	1.83E-02	5.76E-06	7.61E-07	1.94E-02	6.11E-06	8.07E-07	2.01E-06	1.49E-06

6013 481933.26, 3852427.29	4.61E-02	1.46E-05	1.92E-06	3.39E-02	1.07E-05	1.41E-06	1.77E-02	5.60E-06	7.39E-07	1.88E-02	5.94E-06	7.84E-07	1.97E-06	1.46E-06
6014 481866.79, 3852359.7	4.56E-02	1.44E-05	1.90E-06	3.36E-02	1.06E-05	1.40E-06	1.76E-02	5.56E-06	7.34E-07	1.87E-02	5.90E-06	7.79E-07	1.94E-06	1.44E-06
6015 481800.31, 3852292.11	4.47E-02	1.41E-05	1.86E-06	3.28E-02	1.04E-05	1.37E-06	1.72E-02	5.42E-06	7.15E-07	1.82E-02	5.74E-06	7.58E-07	1.91E-06	1.41E-06
6016 481733.84, 3852224.52	4.40E-02	1.39E-05	1.83E-06	3.23E-02	1.02E-05	1.35E-06	1.69E-02	5.32E-06	7.02E-07	1.79E-02	5.64E-06	7.44E-07	1.88E-06	1.39E-06
6017 481667.36, 3852156.92	4.38E-02	1.38E-05	1.82E-06	3.22E-02	1.02E-05	1.34E-06	1.68E-02	5.32E-06	7.02E-07	1.78E-02	5.63E-06	7.43E-07	1.87E-06	1.38E-06
6018 481600.89, 3852089.33	4.31E-02	1.36E-05	1.80E-06	3.16E-02	9.98E-06	1.32E-06	1.65E-02	5.21E-06	6.87E-07	1.75E-02	5.51E-06	7.28E-07	1.84E-06	1.36E-06
6019 481534.41, 3852021.74	4.28E-02	1.35E-05	1.78E-06	3.14E-02	9.91E-06	1.31E-06	1.64E-02	5.17E-06	6.83E-07	1.74E-02	5.48E-06	7.23E-07	1.82E-06	1.35E-06
6020 481467.94, 3851954.15	4.25E-02	1.34E-05	1.77E-06	3.12E-02	9.84E-06	1.30E-06	1.63E-02	5.14E-06	6.78E-07	1.72E-02	5.44E-06	7.18E-07	1.81E-06	1.34E-06
6021 481401.46, 3851886.55	4.23E-02	1.34E-05	1.76E-06	3.11E-02	9.81E-06	1.29E-06	1.62E-02	5.12E-06	6.76E-07	1.72E-02	5.42E-06	7.16E-07	1.80E-06	1.33E-06
6022 481265.87, 3851761.43	3.96E-02	1.25E-05	1.65E-06	2.85E-02	8.99E-06	1.19E-06	1.42E-02	4.50E-06	5.94E-07	1.51E-02	4.75E-06	6.27E-07	1.69E-06	1.22E-06
6023 481196.74, 3851703.89	3.95E-02	1.25E-05	1.65E-06	2.78E-02	8.79E-06	1.16E-06	1.33E-02	4.21E-06	5.55E-07	1.40E-02	4.42E-06	5.84E-07	1.67E-06	1.19E-06
6024 481076.33, 3851619.04	3.95E-02	1.25E-05	1.65E-06	2.76E-02	8.71E-06	1.15E-06	1.30E-02	4.09E-06	5.40E-07	1.35E-02	4.26E-06	5.62E-07	1.67E-06	1.17E-06
6025 480939.8, 3851549.07	3.91E-02	1.23E-05	1.63E-06	2.72E-02	8.57E-06	1.13E-06	1.26E-02	3.97E-06	5.24E-07	1.30E-02	4.11E-06	5.42E-07	1.65E-06	1.15E-06
6026 480854.56, 3851506.41	3.94E-02	1.24E-05	1.64E-06	2.73E-02	8.63E-06	1.14E-06	1.26E-02	3.99E-06	5.26E-07	1.31E-02	4.14E-06	5.46E-07	1.66E-06	1.16E-06
6027 480769.32, 3851463.75	4.02E-02	1.27E-05	1.67E-06	2.78E-02	8.78E-06	1.16E-06	1.28E-02	4.03E-06	5.32E-07	1.33E-02	4.21E-06	5.55E-07	1.70E-06	1.18E-06
6028 480684.08, 3851421.08	4.09E-02	1.29E-05	1.70E-06	2.83E-02	8.92E-06	1.18E-06	1.29E-02	4.08E-06	5.39E-07	1.36E-02	4.28E-06	5.65E-07	1.73E-06	1.20E-06
6029 480598.84, 3851378.42	4.10E-02	1.29E-05	1.71E-06	2.83E-02	8.94E-06	1.18E-06	1.29E-02	4.08E-06	5.39E-07	1.36E-02	4.30E-06	5.68E-07	1.74E-06	1.21E-06
6030 480435.71, 3851275.01	4.70E-02	1.48E-05	1.96E-06	3.42E-02	1.08E-05	1.42E-06	1.75E-02	5.52E-06	7.29E-07	1.87E-02	5.91E-06	7.80E-07	2.01E-06	1.48E-06
6031 480347.85, 3851232.36	4.59E-02	1.45E-05	1.91E-06	3.35E-02	1.06E-05	1.39E-06	1.73E-02	5.45E-06	7.19E-07	1.86E-02	5.86E-06	7.74E-07	1.97E-06	1.45E-06
6032 480260, 3851189.72	4.54E-02	1.43E-05	1.89E-06	3.31E-02	1.04E-05	1.38E-06	1.70E-02	5.37E-06	7.08E-07	1.84E-02	5.82E-06	7.68E-07	1.95E-06	1.44E-06
6033 480172.15, 3851147.07	4.52E-02	1.43E-05	1.88E-06	3.28E-02	1.04E-05	1.37E-06	1.68E-02	5.30E-06	7.00E-07	1.83E-02	5.79E-06	7.64E-07	1.95E-06	1.43E-06
6034 480084.29, 3851104.42	4.51E-02	1.42E-05	1.88E-06	3.26E-02	1.03E-05	1.36E-06	1.66E-02	5.24E-06	6.91E-07	1.82E-02	5.75E-06	7.59E-07	1.95E-06	1.43E-06
6035 479996.44, 3851061.77	4.51E-02	1.42E-05	1.88E-06	3.26E-02	1.03E-05	1.36E-06	1.64E-02	5.19E-06	6.85E-07	1.81E-02	5.72E-06	7.56E-07	1.95E-06	1.43E-06
6036 479908.58, 3851019.13	4.57E-02	1.44E-05	1.90E-06	3.30E-02	1.04E-05	1.38E-06	1.67E-02	5.27E-06	6.96E-07	1.85E-02	5.85E-06	7.72E-07	1.98E-06	1.45E-06
6037 479820.73, 3850976.48	4.58E-02	1.45E-05	1.91E-06	3.30E-02	1.04E-05	1.37E-06	1.65E-02	5.21E-06	6.88E-07	1.84E-02	5.82E-06	7.68E-07	1.99E-06	1.45E-06
6038 479732.88, 3850933.83	4.65E-02	1.47E-05	1.94E-06	3.32E-02	1.05E-05	1.38E-06	1.64E-02	5.17E-06	6.82E-07	1.83E-02	5.78E-06	7.64E-07	2.02E-06	1.46E-06
6039 479645.02, 3850891.18	4.74E-02	1.49E-05	1.97E-06	3.36E-02	1.06E-05	1.40E-06	1.63E-02	5.15E-06	6.80E-07	1.83E-02	5.77E-06	7.62E-07	2.06E-06	1.48E-06
6040 479557.17, 3850848.54	4.79E-02	1.51E-05	1.99E-06	3.37E-02	1.07E-05	1.41E-06	1.62E-02	5.11E-06	6.75E-07	1.81E-02	5.72E-06	7.55E-07	2.07E-06	1.49E-06
6041 479469.32, 3850805.89	4.85E-02	1.53E-05	2.02E-06	3.42E-02	1.08E-05	1.42E-06	1.64E-02	5.16E-06	6.82E-07	1.83E-02	5.77E-06	7.61E-07	2.10E-06	1.50E-06
6042 479381.46, 3850763.24	4.85E-02	1.53E-05	2.02E-06	3.41E-02	1.08E-05	1.42E-06	1.62E-02	5.12E-06	6.76E-07	1.81E-02	5.70E-06	7.53E-07	2.10E-06	1.50E-06
6043 479293.61, 3850720.59	4.80E-02	1.52E-05	2.00E-06	3.37E-02	1.06E-05	1.40E-06	1.59E-02	5.03E-06	6.64E-07	1.77E-02	5.60E-06	7.39E-07	2.08E-06	1.48E-06
6044 479205.76, 3850677.95	4.76E-02	1.50E-05	1.98E-06	3.34E-02	1.05E-05	1.39E-06	1.57E-02	4.97E-06	6.56E-07	1.75E-02	5.52E-06	7.28E-07	2.06E-06	1.46E-06
6045 479117.9, 3850635.3	4.68E-02	1.48E-05	1.95E-06	3.26E-02	1.03E-05	1.36E-06	1.52E-02	4.81E-06	6.35E-07	1.69E-02	5.32E-06	7.03E-07	2.02E-06	1.43E-06
6046 479030.05, 3850592.65	4.59E-02	1.45E-05	1.91E-06	3.19E-02	1.01E-05	1.33E-06	1.48E-02	4.67E-06	6.17E-07	1.63E-02	5.15E-06	6.80E-07	1.98E-06	1.39E-06
6047 478942.19, 3850550	4.55E-02	1.44E-05	1.90E-06	3.19E-02	1.01E-05	1.33E-06	1.51E-02	4.76E-06	6.28E-07	1.66E-02	5.23E-06	6.91E-07	1.96E-06	1.39E-06
6048 478854.34, 3850507.36	4.61E-02	1.46E-05	1.92E-06	3.28E-02	1.04E-05	1.37E-06	1.61E-02	5.08E-06	6.71E-07	1.77E-02	5.58E-06	7.37E-07	1.99E-06	1.43E-06
6049 478766.49, 3850464.71	4.56E-02	1.44E-05	1.90E-06	3.26E-02	1.03E-05	1.36E-06	1.62E-02	5.10E-06	6.73E-07	1.77E-02	5.59E-06	7.38E-07	1.96E-06	1.42E-06
6050 478678.63, 3850422.06	4.51E-02	1.42E-05	1.88E-06	3.24E-02	1.02E-05	1.35E-06	1.61E-02	5.09E-06	6.72E-07	1.76E-02	5.57E-06	7.35E-07	1.94E-06	1.41E-06
6051 478590.78, 3850379.41	4.49E-02	1.42E-05	1.87E-06	3.23E-02	1.02E-05	1.35E-06	1.62E-02	5.10E-06	6.74E-07	1.76E-02	5.57E-06	7.35E-07	1.93E-06	1.41E-06
6052 478502.93, 3850336.77	4.46E-02	1.41E-05	1.86E-06	3.21E-02	1.01E-05	1.34E-06	1.61E-02	5.09E-06	6.72E-07	1.76E-02	5.54E-06	7.32E-07	1.92E-06	1.40E-06
6053 478415.07, 3850294.12	4.41E-02	1.39E-05	1.84E-06	3.18E-02	1.00E-05	1.32E-06	1.60E-02	5.05E-06	6.66E-07	1.73E-02	5.47E-06	7.23E-07	1.89E-06	1.38E-06
6054 478327.22, 3850251.47	4.38E-02	1.38E-05	1.82E-06	3.17E-02	1.00E-05	1.32E-06	1.61E-02	5.07E-06	6.70E-07	1.74E-02	5.50E-06	7.26E-07	1.88E-06	1.38E-06
6055 478239.36, 3850208.82	4.35E-02	1.37E-05	1.81E-06	3.16E-02	9.96E-06	1.32E-06	1.61E-02	5.08E-06	6.71E-07	1.74E-02	5.49E-06	7.25E-07	1.87E-06	1.37E-06
6056 478151.51, 3850166.18	4.34E-02	1.37E-05	1.81E-06	3.15E-02	9.93E-06	1.31E-06	1.61E-02	5.07E-06	6.70E-07	1.73E-02	5.47E-06	7.22E-07	1.86E-06	1.36E-06
6057 478063.66, 3850123.53	4.32E-02	1.36E-05	1.80E-06	3.14E-02	9.90E-06	1.31E-06	1.60E-02	5.05E-06	6.67E-07	1.72E-02	5.43E-06	7.17E-07	1.85E-06	1.36E-06
6058 477975.8, 3850080.88	4.24E-02	1.34E-05	1.76E-06	3.07E-02	9.69E-06	1.28E-06	1.56E-02	4.93E-06	6.51E-07	1.68E-02	5.29E-06	6.99E-07	1.81E-06	1.33E-06
6059 477887.95, 3850038.23	4.22E-02	1.33E-05	1.76E-06	3.06E-02	9.64E-06	1.27E-06	1.55E-02	4.91E-06	6.47E-07	1.67E-02	5.26E-06	6.94E-07	1.80E-06	1.32E-06
6060 477800.1, 3849995.59	4.17E-02	1.32E-05	1.74E-06	3.02E-02	9.53E-06	1.26E-06	1.53E-02	4.83E-06	6.38E-07	1.64E-02	5.17E-06	6.82E-07	1.78E-06	1.30E-06
6061 477712.24, 3849952.94	4.17E-02	1.32E-05	1.74E-06	3.02E-02	9.54E-06	1.26E-06	1.54E-02	4.85E-06	6.40E-07	1.64E-02	5.18E-06	6.83E-07	1.78E-06	1.30E-06
6062 477624.39, 3849910.29	4.13E-02	1.30E-05	1.72E-06	3.00E-02	9.47E-06	1.25E-06	1.54E-02	4.85E-06	6.40E-07	1.64E-02	5.16E-06	6.81E-07	1.76E-06	1.29E-06
6063 477536.54, 3849867.64	4.05E-02	1.28E-05	1.69E-06	2.95E-02	9.30E-06	1.23E-06	1.51E-02	4.78E-06	6.31E-07	1.61E-02	5.08E-06	6.71E-07	1.73E-06	1.27E-06
6064 477448.68, 3849825	4.01E-02	1.27E-05	1.67E-06	2.93E-02	9.24E-06	1.22E-06	1.51E-02	4.76E-06	6.29E-07	1.60E-02	5.05E-06	6.67E-07	1.71E-06	1.26E-06
6065 477360.83, 3849782.35	3.98E-02	1.26E-05	1.66E-06	2.90E-02	9.15E-06	1.21E-06	1.49E-02	4.72E-06	6.23E-07	1.58E-02	5.00E-06	6.59E-07	1.69E-06	1.24E-06
6066 477272.97, 3849739.7	3.95E-02	1.25E-05	1.65E-06	2.87E-02	9.07E-06	1.20E-06	1.47E-02	4.65E-06	6.14E-07	1.56E-02	4.91E-06	6.48E-07	1.68E-06	1.23E-06
6067 477185.12, 3849697.05	3.95E-02	1.25E-05	1.64E-06	2.87E-02	9.05E-06	1.19E-06	1.47E-02	4.63E-06	6.11E-07	1.55E-02	4.88E-06	6.44E-07	1.68E-06	1.23E-06
6068 477097.27, 3849654.41	3.98E-02	1.26E-05	1.66E-06	2.89E-02	9.13E-06	1.21E-06	1.48E-02	4.69E-06	6.18E-07	1.56E-02	4.93E-06	6.51E-07	1.69E-06	1.24E-06
6069 477009.41, 3849611.76	4.05E-02	1.28E-05	1.69E-06	2.96E-02	9.34E-06	1.23E-06	1.53E-02	4.84E-06	6.38E-07	1.61E-02	5.08E-06	6.70E-07	1.72E-06	1.27E-06
6070 476841.49, 3849530.08	4.11E-02	1.30E-05	1.71E-06	3.00E-02	9.45E-06	1.25E-06	1.54E-02	4.87E-06	6.43E-07	1.61E-02	5.10E-06	6.73E-07	1.74E-06	1.28E-06
6071 476761.41, 3849491.05	4.12E-02	1.30E-05	1.72E-06	3.00E-02	9.48E-06	1.25E-06	1.54E-02	4.87E-06	6.43E-07	1.61E-02	5.09E-06	6.71E-07	1.75E-06	1.28E-06
6072 476681.34, 3849452.02	4.21E-02	1.33E-05	1.75E-06	3.07E-02	9.69E-06	1.28E-06	1.58E-02	5.00E-06	6.59E-07	1.65E-02	5.21E-06	6.87E-07	1.78E-06	1.31E-06
6073 476601.26, 3849412.99	4.38E-02	1.38E-05	1.82E-06	3.20E-02	1.01E-05	1.34E-06	1.66E-02	5.25E-06	6.92E-07	1.73E-02	5.46E-06	7.21E-07	1.85E-06	1.36E-06
6074 476456.32, 3849353.67	4.78E-02	1.51E-05	1.99E-06	3.56E-02	1.12E-05	1.48E-06	1.91E-02	6.04E-06	7.97E-07	1.99E-02	6.30E-06	8.31E-07	2.02E-06	1.52E-06
6075 476305.43, 3849318.83	4.60E-02	1.45E-05	1.92E-06	3.42E-02	1.08E-05	1.42E-06	1.83E-02	5.77E-06	7.62E-07	1.92E-02	6.05E-06	7.99E-07	1.95E-06	1.46E-06
6076 476129.36, 3849289.99	4.32E-02	1.37E-05	1.80E-06	3.18E-02	1.00E-05	1.32E-06	1.66E-02	5.24E-06	6.91E-07	1.74E-02	5.50E-06	7.26E-07	1.84E-06	1.36E-06
6077 476039.31, 3849275.68	4.22E-02	1.33E-05	1.76E-06	3.08E-02	9.74E-06	1.29E-06	1.60E-02	5.05E-06	6.67E-07	1.68E-02	5.30E-06	7.00E-07	1.79E-06	1.32E-06
6078 475949.26, 3849261.38	4.24E-02	1.34E-05	1.77E-06	3.11E-02	9.81E-06	1.30E-06	1.62E-02	5.12E-06	6.76E-07	1.70E-02	5.36E-06	7.08E-07	1.80E-06	1.33E-06
6079 475859.21, 3849247.08	4.10E-02	1.29E-05	1.71E-06	2.99E-02	9.43E-06	1.24E-06	1.54E-02	4.85E-06	6.40E-07	1.61E-02	5.07E-06	6.70E-07	1.74E-06	1.27E-06
6080 475769.16, 3849232.77	4.01E-02	1.27E-05	1.67E-06	2.90E-02	9.17E-06	1.21E-06	1.47E-02	4.65E-06	6.14E-07	1.54E-02	4.86E-06	6.41E-07	1.70E-06	1.24E-06
6081 475585.22, 3849219.27	2.77E-02	8.74E-06	1.15E-06	1.90E-02	6.00E-06	7.92E-07	8.58E-03	2.71E-06	3.57E-07	8.99E-03	2.84E-06	3.74E-07	1.17E-06	8.09E-07
6082 475444.49, 3849150.34	4.75E-02	1.50E-05	1.98E-06	3.41E-02	1.08E-05	1.42E-06	1.69E-02	5.34E-06	7.05E-07	1.77E-02	5.59E-06	7.38E-07	2.01E-06	1.45E-06
6083 475334.17, 3849118.71	3.86E-02	1.22E-05	1.61E-06	2.79E-02	8.80E-06	1.16E-06	1.41E-02	4.45E-06	5.87E-07	1.47E-02	4.65E-06	6.14E-07	1.63E-06	1.19E-06
6084 475230.46, 3849060.57	4.33E-02	1.37E-05	1.80E-06	3.18E-02	1.00E-05	1.32E-06	1.66E-02	5.23E-06	6.90E-07	1.73E-02	5.47E-06	7.22E-07	1.84E-06	1.36E-06
6085 475110.86, 3848960.97	4.61E-02	1.45E-05	1.92E-06	3.48E-02	1.10E-05	1.45E-06	1.91E-02	6.03E-06	7.96E-07	2.01E-02	6.35E-06	8.38E-07	1.96E-06	1.49E-06
6086 475037.79, 3848896.28	4.65E-02	1.47E-05	1.94E-06	3.56E-02	1.12E-05	1.48E-06	2.00E-02	6.33E-06	8.35E-07	2.11E-02	6.65E-06	8.78E-07	1.98E-06	1.52E-06
6087 474964.72, 3848831.59	4.73E-02	1.49E-05	1.97E-06	3.65E-02	1.15E-05	1.52E-06	2.09E-02	6.59E-06	8.69E-07	2.19E-02	6.93E-06	9.14E-07	2.02E-06	1.57E-06
6088 474891.65, 3848766.9	4.70E-02	1.48E-05	1.96E-06	3.67E-02	1.16E-05	1.53E-06	2.14E-02	6.74E-06	8.90E-07	2.25E-02	7.09E-06	9.36E-07	2.00E-06	1.57E-06
6089 474818.58, 3848702.22	4.73E-02	1.49E-05	1.97E-06	3.74E-02	1.18E-05	1.56E-06	2.22E-02	7.01E-06	9.26E-07	2.34E-02	7.37E-06	9.73E-07	2.02E-06	1.60E-06
6090 474745.51, 3848637.53	4.40E-02	1.39E-05	1.83E-06	3.53E-02	1.11E-05	1.47E-06	2.15E-02	6.78E-06	8.94E-07	2.26E-02	7.12E-06	9.40E-07	1.88E-06	1.51E-06
6091 474672.44, 3848572.84	4.37E-02	1.38E-05	1.82E-06	3.55E-02	1.12E-05	1.48E-06	2.20E-02	6.94E-06	9.16E-07	2.31E-02	7.29E-06	9.62E-07	1.87E-06	1.52E-06
6092 474599.37, 3848508.15	4.52E-02	1.43E-05	1.88E-06	3.71E-02	1.17E-05	1.54E-06	2.34E-02	7.37E-06	9.73E-07	2.45E-02	7.74E-06	1.02E-06	1.93E-06	1.59E-06
6093 474526.3, 3848443.46	4.54E-02	1.43E-05	1.89E-06	3.76E-02	1.19E-05	1.57E-06	2.41E-02	7.59E-06	1.00E-06	2.53E-02	7.97E-06	1.05E-06	1.94E-06	1.62E-06

Residential	Nearby BIG Component	X, Y	Total Unmitigated Cancer Risk in One Million	Chronic	Acute	8hr
1	West Lead	474863.09, 3848377.25	0.0001	1.65E-04	5.27E-04	3.44E-03
2	West Lead	474863.09, 3848877.25	0.0001	1.66E-04	8.18E-04	5.43E-03
3	West Lead	478676.63, 3850271.93	0.0003	3.55E-04	9.72E-04	7.06E-03
4	West Lead	478776.63, 3850171.93	0.0002	2.66E-04	1.00E-03	6.99E-03
5	West Lead	479026.63, 3850221.93	0.0003	3.62E-04	1.16E-02	5.99E-02
6	West Lead	480327.18, 3851037.04	0.0003	3.49E-04	1.56E-03	1.13E-02
7	West Lead	482333.91, 3852563.62	0.0004	7.80E-04	4.79E-03	4.27E-02
8	West Lead	482571.29, 3852799.74	0.0005	1.04E-03	3.34E-03	3.14E-02
9	BIG Rail Yard	483727.7, 3854221	0.0051	7.52E-03	2.89E-02	1.75E-01
10	BIG Rail Yard	484074.19, 3854569.8	0.0143	1.87E-02	2.63E-02	1.44E-01
11	BIG Rail Yard	485205.11, 3855238.89	0.0101	1.24E-02	1.98E-02	1.53E-01
12	BIG Rail Yard	485255.11, 3855338.89	0.0088	1.11E-02	3.07E-02	2.41E-01
13	BIG Rail Yard	486023.61, 3854936.51	0.1679	0.231	0.001	0.035
14	BIG Rail Yard	486533.18, 3856193.15	0.0021	2.85E-03	1.78E-02	1.06E-01
15	BIG Rail Yard	486809.46, 3856515.28	0.0017	2.30E-03	2.19E-02	1.24E-01
16	Solar Farm	487951.04, 3857011.26	0.0014	1.81E-03	3.16E-02	1.90E-01
17	East Lead	488467.32, 3858009.41	0.0008	9.64E-04	7.97E-03	5.17E-02
18	East Lead	488769.93, 3858449.27	0.0011	1.26E-03	7.47E-03	4.85E-02
19	East Lead	488662.63, 3858492.85	0.0012	1.33E-03	1.28E-02	7.21E-02
20	East Lead	488870.84, 3858666.64	0.0017	1.94E-03	1.58E-02	9.01E-02
21	East Lead	489385.89, 3858976.54	0.0091	1.04E-02	1.11E-01	7.60E-01
22	East Lead	489422.4, 3859092.58	0.0325	4.24E-02	1.09E-01	9.62E-01
23	East Lead	489488.17, 3859571.48	0.0050	5.16E-03	1.01E-01	6.84E-01
24	East Lead	489813.71, 3860900.05	0.0003	3.21E-04	1.56E-02	8.63E-02
25	East Lead	490211.24, 3859766.13	0.0027	2.85E-03	5.71E-02	3.73E-01
26	East Lead	490327.07, 3859530.42	0.0137	1.39E-02	9.86E-02	6.57E-01
27	33kV Line	493330.5, 3860543.11	0.0007	8.02E-04	9.22E-03	6.21E-02
28	33kV Line	494911.06, 3859501.99	0.0006	7.43E-04	6.58E-03	3.57E-02
29	33kV Line	495211.06, 3859101.99	0.0005	6.10E-04	3.13E-03	1.97E-02
30	Existing Barstow Rail	496363.09, 3861377.25	0.0004	4.95E-04	1.00E-02	6.08E-02
Student	**BIG Component**	**X, Y**				
S-1	East Lead	490069.73, 3859305.34	0.0101	0.067	0.150	1.272
Worker/Pl	**BIG Component**	**X, Y**				
W-1	East Lead	489615.05, 3859219.43	0.0045	1.87E-01	3.98E-01	3.43E+00
W-2	East Lead	489795.41, 3859349.72	0.0092	0.355	0.446	3.462
W-3	East Lead	490161.89, 3859541.83	0.0003	1.31E-02	9.84E-02	6.95E-01
Park	**BIG Component**	**X, Y**				
P-1	East Lead	490429.25, 3859815.26	0.0004	0.003	0.061	0.449

Residential	Nearby BIG Component	X, Y	Total Mitigated Cancer Risk in One Million	Chronic	Acute	8hr
1	West Lead	474863.09, 3848377.25	0.0000	5.62E-05	1.92E-04	1.28E-03
2	West Lead	474863.09, 3848877.25	0.0000	5.69E-05	3.03E-04	2.05E-03
3	West Lead	478676.63, 3850271.93	0.0001	1.19E-04	3.50E-04	2.72E-03
4	West Lead	478776.63, 3850171.93	0.0001	8.72E-05	3.57E-04	2.54E-03
5	West Lead	479026.63, 3850221.93	0.0001	1.25E-04	4.50E-03	2.31E-02
6	West Lead	480327.18, 3851037.04	0.0001	1.12E-04	5.57E-04	4.09E-03
7	West Lead	482333.91, 3852563.62	0.0001	1.73E-04	1.69E-03	1.50E-02
8	West Lead	482571.29, 3852799.74	0.0002	1.92E-04	1.11E-03	1.01E-02
9	BIG Rail Yard	483727.7, 3854221	0.0017	2.25E-03	1.04E-02	6.09E-02
10	BIG Rail Yard	484074.19, 3854569.8	0.0048	6.22E-03	1.01E-02	5.25E-02
11	BIG Rail Yard	485205.11, 3855238.89	0.0035	4.31E-03	7.32E-03	5.39E-02
12	BIG Rail Yard	485255.11, 3855338.89	0.0031	4.01E-03	1.13E-02	8.71E-02
13	BIG Rail Yard	486023.61, 3854936.51	0.0636	0.081	0.001	0.013
14	BIG Rail Yard	486533.18, 3856193.15	0.0008	1.05E-03	6.70E-03	3.92E-02
15	BIG Rail Yard	486809.46, 3856515.28	0.0006	8.45E-04	8.37E-03	4.64E-02
16	Solar Farm	487951.04, 3857011.26	0.0005	6.61E-04	1.21E-02	7.19E-02
17	East Lead	488467.32, 3858009.41	0.0003	3.52E-04	3.01E-03	1.93E-02
18	East Lead	488769.93, 3858449.27	0.0004	4.73E-04	2.83E-03	1.81E-02
19	East Lead	488662.63, 3858492.85	0.0004	5.02E-04	4.88E-03	2.72E-02
20	East Lead	488870.84, 3858666.64	0.0007	7.41E-04	6.06E-03	3.41E-02
21	East Lead	489385.89, 3858976.54	0.0035	4.11E-03	4.30E-02	2.95E-01
22	East Lead	489422.4, 3859092.58	0.0126	1.69E-02	4.22E-02	3.73E-01
23	East Lead	489488.17, 3859571.48	0.0019	1.95E-03	3.76E-02	2.51E-01
24	East Lead	489813.71, 3860900.05	0.0001	1.18E-04	5.97E-03	3.27E-02
25	East Lead	490211.24, 3859766.13	0.0010	1.08E-03	2.16E-02	1.39E-01
26	East Lead	490327.07, 3859530.42	0.0051	5.23E-03	3.70E-02	2.44E-01
27	33kV Line	493330.5, 3860543.11	0.0003	2.98E-04	3.46E-03	2.30E-02
28	33kV Line	494911.06, 3859501.99	0.0002	2.77E-04	2.51E-03	1.34E-02
29	33kV Line	495211.06, 3859101.99	0.0002	2.25E-04	1.20E-03	7.35E-03
30	Existing Barstow Rail	496363.09, 3861377.25	0.0002	1.85E-04	3.84E-03	2.31E-02
Student	**BIG Component**	**X, Y**				
S-1	East Lead	490069.73, 3859305.34	0.0038	0.025	0.056	0.076
Worker/Pl	**BIG Component**	**X, Y**				
W-1	East Lead	489615.05, 3859219.43	0.0018	7.56E-02	1.55E-01	2.33E-01
W-2	East Lead	489795.41, 3859349.72	0.0035	0.134	0.162	0.189
W-3	East Lead	490161.89, 3859541.83	0.0001	4.85E-03	3.66E-02	4.35E-02
Park	**BIG Component**	**X, Y**				
P-1	East Lead	490429.25, 3859815.26	0.0002	0.001	0.023	0.030

Pollutant Rates (g/sec)

	MITIGATED	Metals						VOC**					SVOC**		
	Sites	ARSENIC	BERYLLIUM	CADMIUM	COBALT	LEAD	NICKEL	BENZENE	CHLOROFORM	NAPHTHALENE	ETHYLBENZENE	METHYLENE CHLORIDE	BENZO(A)PYRENE	BENZO(B)FLUORANTHENE	(2-ETHYLHEXYL)PHTHALA
1	Rowe	1.27875E-07	5.43E-09	2.74403E-09	1.56488E-07	1.44436E-07	1.66085E-07	0	0	7.57722E-11	0	0	0	0	0
2	Bowman	1.49487E-08	2.06E-09	2.06E-09	1.44828E-08	1.49213E-08	1.60311E-08	0	0	0	0	0	0	0	0
3	Van Leeuwen	7.33733E-07	2.32472E-07	4.22E-07	3.12074E-06	3.69984E-06	5.31376E-06	0	0	0	2.39651E-08	0	0	0	6.14436E-08
4	Flores	1.43129E-08	1.30007E-09	4.14E-09	2.36798E-08	2.35183E-08	3.60345E-08	0	0	0	0	0	0	0	0
5	Nungray	2.08E-09	2.89622E-10	5.17E-10	3.06848E-09	2.78855E-08	5.12491E-09	0	0	0	0	0	0	7.68736E-12	0
6	Topete	2.76765E-08	3.50569E-09	6.15E-09	7.3558E-08	1.03203E-07	8.29066E-08	1.52528E-11	0	0	0	0	0	0	0
7	Williams	2.39E-07	2.12522E-08	1.6948E-07	6.53708E-07	2.16109E-06	7.54141E-07	0	0	0	0	0	0	0	0
8	De La Rosa	2.52857E-08	2.42E-09	2.42E-09	2.08593E-08	2.2424E-08	2.58776E-08	0	0	0	0	0	0	0	0
9	Mitchell	2.68273E-08	7.62199E-10	2.59E-09	3.5639E-08	4.03979E-08	3.84107E-08	0	0	0	2.92067E-11	7.24285E-11	0	0	0
10	Barstow	6.16469E-09	4.5287E-10	4.11E-10	6.01093E-09	3.33963E-09	9.05125E-09	3.34168E-13	0	0	0	1.19132E-10	0	0	0
11	Mitchell 2	5.12528E-08	1.02E-08	1.02E-08	1.29704E-07	7.51366E-08	1.51777E-07	3.41685E-11	0	0	0	0	0	0	0
12	Norris	3.53818E-08	6.96946E-10	4.78E-09	5.39773E-08	5.11239E-08	6.94557E-08	0	0	1.07906E-10	0	0	1.85772E-11	0	0
13	HD Investors	4.31499E-09	8.82189E-10	6.21E-10	1.1453E-08	8.32044E-09	1.38055E-08	0	4.6431E-11	0	0	0	0	0	0
14	Johnson Trust	3.75293E-09	4.66041E-10	7.76E-10	4.92188E-09	2.50708E-09	7.01368E-09	0	2.63013E-11	0	0	0	0	0	0
15	Kropf, Tyler	2.17E-08	3.064E-09	5.16E-09	5.27827E-08	4.29579E-08	1.4249E-07	0	0	0	0	0	0	0	0
16	Chamoun	3.33749E-09	2.77333E-10	9.57E-10	5.40988E-09	1.1289E-08	8.6334E-09	0	0	0	0	0	0	0	0
17	Reno Ellis	1.26E-08	1.2622E-09	3.10E-09	2.81663E-08	1.69744E-08	2.92855E-08	0	0	0	0	0	0	0	0
	Mainline	1.25E-06	3.0985E-07	3.10E-07	6.19701E-07	3.0985E-07	1.2456E-06	3.0985E-09	3.0985E-09	3.0985E-09	3.0985E-09	6.19701E-09	3.0985E-07	3.0985E-07	3.0985E-07

* Calculated as naturally occuring metals in soil

** A 100 percent volatization rate is assumed for VOCs and SVOCs as a conservative estimate

Pollutant Rates (g/sec)

	UNMITIGAT	Metals						VOC**					SVOC**		
	Sites	ARSENIC	BERYLLIUM	CADMIUM	COBALT	LEAD	NICKEL	BENZENE	CHLOROFORM	NAPHTHALENE	ETHYLBENZENE	METHYLENE CHLORIDE	BENZO(A)PYRENE	BENZO(B)FLUORANTHENE	(2-ETHYLHEXYL)PHTHALA
1	Rowe	3.27888E-07	1.38E-08	7.03609E-09	4.01256E-07	3.70355E-07	4.25866E-07	0	0	1.9429E-10	0	0	0	0	0
2	Bowman	5.14151E-08	2.06E-09	2.06E-09	4.98128E-08	5.13208E-08	5.51381E-08	0	0	0	0	0	0	0	0
3	Van Leeuwen	1.88139E-06	5.96091E-07	1.08E-06	8.00202E-06	9.4869E-06	1.36252E-05	0	0	0	6.14499E-08	0	0	0	1.5755E-07
4	Flores	4.92283E-08	4.47151E-09	1.40E-08	8.14454E-08	8.08899E-08	1.23939E-07	0	0	0	0	0	0	0	0
5	Nungray	7.28E-09	9.96138E-10	1.81E-09	1.05539E-08	9.59107E-08	1.76268E-08	0	0	0	0	0	0	2.64402E-11	0
6	Topete	7.09665E-08	8.98909E-09	1.58E-08	1.88613E-07	2.64626E-07	2.12584E-07	3.91104E-11	0	0	0	0	0	0	0
7	Williams	6.12E-07	5.44937E-08	4.3457E-07	1.6762E-06	5.54135E-06	1.93372E-06	0	0	0	0	0	0	0	0
8	De La Rosa	8.69689E-08	6.12E-07	8.39E-09	7.17445E-08	7.7126E-08	8.90044E-08	0	0	0	0	0	0	0	0
9	Mitchell	9.22711E-08	2.62154E-09	9.05E-09	1.22578E-07	1.38946E-07	1.32111E-07	0	0	0	1.00455E-10	2.49114E-10	0	0	0
10	Barstow	1.58071E-08	1.16122E-09	1.05E-09	1.54129E-08	8.56329E-09	2.32087E-08	8.56855E-13	0	0	0	3.05471E-10	0	0	0
11	Mitchell 2	1.31419E-07	8.39E-09	2.62E-08	3.32579E-07	1.92661E-07	3.89177E-07	8.76129E-11	0	0	0	0	0	0	0
12	Norris	1.21694E-07	2.39711E-09	1.65E-08	1.85652E-07	1.75838E-07	2.38889E-07	0	0	3.71138E-10	0	0	6.38953E-11	0	0
13	HD Investors	1.48412E-08	3.03424E-09	2.13E-09	3.93919E-08	2.86177E-08	4.74832E-08	0	1.59697E-10	0	0	0	0	0	0
14	Johnson Trust	1.2908E-08	1.60292E-09	2.64E-09	1.69285E-08	8.62297E-09	2.41232E-08	0	9.04618E-11	0	0	0	0	0	0
15	Kropf, Tyler	5.55E-08	7.85651E-09	1.32E-08	1.35342E-07	1.1015E-07	3.65364E-07	0	0	0	0	0	0	0	0
16	Chamoun	1.14791E-08	9.5387E-10	3.26E-09	1.8607E-08	3.88277E-08	2.96941E-08	0	0	0	0	0	0	0	0
17	Reno Ellis	8.35E-09	4.34126E-09	1.07E-08	9.68763E-08	5.83824E-08	1.00726E-07	0	0	0	0	0	0	0	0
	Mainline	3.31E-06	8.23645E-07	8.23645E-07	1.64729E-06	8.23645E-07	3.31105E-06	8.23645E-09	8.23645E-09	8.24E-09	8.23645E-09	1.64729E-08	8.23645E-07	8.23645E-07	8.23645E-07

Phase 2 Sources Calculations

1. Determine the estimated Percentage each Phase 2 is within the greater site plan

Phase 2 Sites

Site #	Site	Size (Acres)	Acre Impacted	
1	Rowe	5.28	2.64	Warehouse
2	Bowman	10.69	0.5345	IMF
3	Van Leeuwen	411.97	205.985	Warehouse
4	Flores	1.05	1.05	IMF
5	Nungray	0.14	0.14	IMF
6	Topete	15	3	Warehouse
7	Williams	145.8	21.87	Warehouse
8	De La Rosa	1.15	0.6325	IMF
9	Mitchell	0.68	0.68	IMF
10	Barstow	20	0.2	Warehouse
11	Mitchell 2	10	5	Warehouse
12	Norris	2.5	1.25	IMF
13	HD Investors	3.22	0.161	IMF
14	Johnson Trust	2	0.2	IMF
15	Kropf, Tyler	16.79	2.5185	Warehouse
16	Chamoun	2.47	0.247	IMF
17	Reno Ellis	16.17	0.8085	IMF

Acreage taken from the Updated Parcels Sheet

IMF	2,279	acres graded
Warehouse	1,600	acres graded

Warehouse	Acres	IMF	Acres
Rowe	5.28	Bowman	10.69
Van Leeuwen	411.97	Flores	1.05
Topete	15	Nungray	0.14
Williams	145.8	De La Rosa	1.15
Barstow	20	Mitchell	0.68
Mitchell 2	10	Norris	2.5
Kropf, Tyler	16.79	HD Investors	3.22
Total	624.84	Johnson Trust	2
		Chamoun	2.47
		Reno Ellis	16.17
		Total	40.07

Percent of Acres 39.05% Percent of Total 1.76%

Warehouse	ercentage of si	IMF	Percentage of site
Rowe	0.33%	Bowman	0.47%
Van Leeuwen	25.75%	Flores	0.05%
Topete	0.94%	Nungray	0.01%
Williams	9.11%	De La Rosa	0.05%
Barstow	1.25%	Mitchell	0.03%
Mitchell 2	0.63%	Norris	0.11%
Kropf, Tyler	1.05%	HD Investors	0.14%
		Johnson Trust	0.09%
		Chamoun	0.11%
		Reno Ellis	0.71%

Total Soil Disturbed by Site

Warehouse	Kg	IMF	Kg
Rowe	31,487,436	Bowman	63,750,131
Van Leeuwen	2,456,795,287	Flores	6,261,706
Topete	89,452,944	Nungray	834,894
Williams	869,482,615	De La Rosa	6,858,059
Barstow	119,270,592	Mitchell	4,055,200
Mitchell 2	59,635,296	Norris	14,908,824
Kropf, Tyler	100,127,662	HD Investors	19,202,565
Total	3,726,251,831	Johnson Trust	11,927,059
		Chamoun	14,729,918
		Reno Ellis	96,430,274
		Total	238,958,631

2. Determine the Percentage of Particulate Matter would be from impacted sites

	2025		2026		2027		2028	
	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Unmitigated (Pounds/Day)								
IMF	1,533.20	422.22	2,570.09	779.31	1,289.07	1,130.31	1,915.99	0
Warehouse	0	14.25	385.94	108.51	51.78	326.78	717.19	0
Mitigated (Pounds/Day)								
IMF	490.88	132.17	630.07	189.87	502.5	438.35	747.24	0
Warehouse	0	5.56	98.76	26.46	15.54	79.66	279.7	0
Unmitigated (Tons/Year)								
IMF	48.08	44.73	28.59	15.39	0.35	0.06	0	0
Warehouse	0	0	4.23	1.46	13.7	8.42	0	0
Mitigated (Tons/Year)								
IMF	18.49	17.42	9.84	5.87	0.1	0.02	0	0
Warehouse	0	0	1.47	0.55	4.74	3.23	0	0

* Update if grading spreadsheet is updated

Change per site

Warehouse	2025	2026	2027	2028	
Rowe	0.00	1.27	0.17	2.37	**Unmitigated (Pounds per day)**
	0.00	0.33	0.05	0.92	**Mitigated (Pounds per day)**
	0.00	0.58	0.08	1.07	**Unmitigated (kg per day)**
	0.00	0.15	0.02	0.42	**Mitigated (kg per day)**

IMF	2025	2026	2027	2028	
Reno Ellis	10.88	18.24	9.15	13.59	**Unmitigated (Pounds per day)**
	3.48	4.47	3.57	5.30	**Mitigated (Pounds per day)**
	4.93	8.27	4.15	6.17	**Unmitigated (kg per day)**
	1.58	2.03	1.62	2.40	**Mitigated (kg per day)**

3. Determine CY of Impacted Soil from Each Site

Warehouse	Acres	IMF	Acres
Rowe	2.64	Bowman	0.5345
Van Leeuwen	205.985	Flores	1.05
Topete	3	Nungray	0.14
Williams	21.87	De La Rosa	0.6325
Barstow	0.2	Mitchell	0.68
Mitchell 2	5	Norris	1.25
Kropf, Tyler	2.5185	HD Investors	0.161
Total	624.84	Johnson Trust	0.2
		Chamoun	0.247
		Reno Ellis	0.8085
		Total	40.07

Warehouse	Sq Yd	IMF	Sq Yd
Rowe	12777.6	Bowman	2586.98
Van Leeuwen	996967.4	Flores	5082
Topete	14520	Nungray	677.6
Williams	105850.8	De La Rosa	3061.3
Barstow	968	Mitchell	3291.2
Mitchell 2	24200	Norris	6050
Kropf, Tyler	12189.54	HD Investors	779.24
Total	1167473.34	Johnson Trust	968
		Chamoun	1195.48
		Reno Ellis	3913.14
		Total	27604.94

Warehouse	CY	IMF	CY
Rowe	25,555	Bowman	5,174
Van Leeuwen	1,993,935	Flores	10,164
Topete	29,040	Nungray	1,355
Williams	211,702	De La Rosa	6,123
Barstow	1,936	Mitchell	6,582
Mitchell 2	48,400	Norris	12,100
Kropf, Tyler	24,379	HD Investors	1,558
Total	2,334,947	Johnson Trust	1,936
		Chamoun	2,391
		Reno Ellis	7,826
		Total	55209.88

* Assuming 2 Yd of depth excavated per site

4. Determine the Milligrams of constituents excavated from Site Exavation for Phase 2 Sites

UNMIT	Warehouse
	Choose site: Rowe

IMF
Choose site: Reno Ellis

Consituents	ncentration (mg/	Total (mg/day)	Rate (g/day)	Rate (g/sec)
C4-C10	0	0	0	0.00E+00
C10-C28	329.925	329.6637156	0.329663716	9.16E-06
C28-C35	0	0	0	0.00E+00
ANTIMONY	0	0	0	0.00E+00
ARSENIC	11.81333333	11.80397775	0.011803978	3.28E-07
BARIUM	216.05	215.878899	0.215878899	6.00E-06
BERYLLIUM	0	0	0	0.00E+00
CADMIUM	0.2535	0.25329924	0.000253299	7.04E-09
CHROMIUM TC	51.45	51.40925413	0.051409254	1.43E-06
CHROMIUM VI	0	0	0	0.00E+00
COBALT	14.45666667	14.4452177	0.014445218	4.01E-07
COPPER	36.77166667	36.74254531	0.036742545	1.02E-06
LEAD	13.34333333	13.33276607	0.013332766	3.70E-07
MERCURY	0.0465	0.046463174	4.64632E-05	1.29E-09
MOLYBDENUM	0	0	0	0.00E+00
NICKEL	15.34333333	15.33118217	0.015331182	4.26E-07
SELENIUM	0	0	0	0.00E+00
SILVER	0	0	0	0.00E+00
THALLIUM	0	0	0	0.00E+00
VANADIUM	90.35	90.27844724	0.090278447	2.51E-06
ZINC	118.05	117.9565102	0.11795651	3.28E-06
N-BUTYLBENZE	0.0065	0.006494852	6.49485E-06	1.80E-10
4-ISOPROPYLTC	0.0045	0.004496436	4.49644E-06	1.25E-10
NAPHTHALENE	0.007	0.006994456	6.99446E-06	1.94E-10
1,2,4-TRIMETH	0.065	0.064948523	6.49485E-05	1.80E-09
1,3,5-TRIMETH	0.017	0.016986537	1.69865E-05	4.72E-10
M/P-XYLENE	0.0075	0.00749406	7.49406E-06	2.08E-10
O-XYLENE	0.008	0.007993664	7.99366E-06	2.22E-10
2-METHYLNAPH	0.073875	0.073816495	7.38165E-05	2.05E-09
GAMMA-CHLOI	0.0025	0.00249802	2.49802E-06	6.94E-11
TOTAL CHLORC	0.0095	0.009492476	9.49248E-06	2.64E-10

Consituents	ncentration (mg/	Total (mg/day)	Rate (g/day	Rate (g/sec)
C5-C12	2.95	2.27113945	0.002271	6.31E-08
C12-C22	0	0	0	0.00E+00
C22-C32	14.3	11.00925225	0.011009	3.06E-07
C32-C40	19.2	14.78165337	0.014782	4.11E-07
ANTIMONY	0	0	0	0.00E+00
ARSENIC	0	0	0	0.00E+00
BARIUM	64.6	49.73410456	0.049734	1.38E-06
BERYLLIUM	0.203	0.156285189	0.000156	4.34E-09
CADMIUM	0	0	0	0.00E+00
CHROMIUM	5.47	4.211231454	0.004211	1.17E-07
COBALT	4.53	3.487546342	0.003488	9.69E-08
COPPER	8.71	6.70563546	0.006706	1.86E-07
LEAD	2.73	2.101766338	0.002102	5.84E-08
MOLYBDENUM	0	0	0	0.00E+00
MERCURY	0	0	0	0.00E+00
NICKEL	4.71	3.626124342	0.003626	1.01E-07
SELENIUM	0	0	0	0.00E+00
SILVER	0	0	0	0.00E+00
THALLIUM	0	0	0	0.00E+00
VANADIUM	19.4	14.93562892	0.014936	4.15E-07
ZINC	30	23.09633339	0.023096	6.42E-07
		0	0	0.00E+00
		0	0	0.00E+00
		0	0	0.00E+00
		0	0	0.00E+00
		0	0	0.00E+00
		0	0	0.00E+00
		0	0	0.00E+00
		0	0	0.00E+00
		0	0	0.00E+00

Naturally Occuring Metals Calculations

1. Naturally Occuring Metals Calculation for Sources that show non-detect levels for naturally occuring constituents.

Mitigated	Site	Constiuent	oncentration (mg/k	Total (mg/dy)	Rate (g/day)	Rate (g/sec)
	Rowe	Beryllium	0.50	0.195461538	0.000195462	5.43E-09
	Bowman	Beryllium	0.50	0.073996154	7.39962E-05	2.06E-09
	Nungray	Arsenic	2.01	0.074833846	7.48338E-05	2.08E-09
	Williams	Arsenic	2.66	8.586234462	0.008586234	2.39E-07
	De La Rosa	Beryllium	0.50	0.087026923	8.70269E-05	2.42E-09
	Mitchell 2	Beryllium	0.50	0.367653846	0.000367654	1.02E-08
	Kropf, Tyler	Arsenic	2.10	0.779891538	0.000779892	2.17E-08
	Reno Ellis	Arsenic	2.03	0.453470769	0.000453471	1.26E-08
	Bowman	Cadmium	0.50	0.073996154	7.39962E-05	2.06E-09
	Van Leeuwen	Cadmium	0.50	15.20411538	0.015204115	4.22E-07
	Flores	Cadmium	0.50	0.148923077	0.000148923	4.14E-09
	Nungray	Cadmium	0.50	0.018615385	1.86154E-05	5.17E-10
	Topete	Cadmium	0.50	0.221523077	0.000221523	6.15E-09
	De La Rosa	Cadmium	0.50	0.087026923	8.70269E-05	2.42E-09
	Mitchell	Cadmium	0.50	0.093076923	9.30769E-05	2.59E-09
	Barstow	Cadmium	0.50	0.014799231	1.47992E-05	4.11E-10
	Mitchell 2	Cadmium	0.50	0.367653846	0.000367654	1.02E-08
	Norris	Cadmium	0.50	0.172192308	0.000172192	4.78E-09
	HD Investors	Cadmium	0.50	0.022338462	2.23385E-05	6.21E-10
	Johnson Trust	Cadmium	0.50	0.027923077	2.79231E-05	7.76E-10
	Kropf, Tyler	Cadmium	0.50	0.185688462	0.000185688	5.16E-09
	Chamoun	Cadmium	0.50	0.034438462	3.44385E-05	9.57E-10
	Reno Ellis	Cadmium	0.50	0.111692308	0.000111692	3.10E-09

Unmitigated	Site	Constiuent	oncentratio	Total (mg/dy)	Rate (g/day)	Rate (g/sec)
	Rowe	Beryllium	0.50	0.497961538	0.000497962	1.38E-08
	Bowman	Beryllium	0.50	0.073996154	7.39962E-05	2.06E-09
	Nungray	Arsenic	2.01	0.261918462	0.000261918	7.28E-09
	Williams	Arsenic	2.66	22.015224	0.022015224	6.12E-07
	De La Rosa	Beryllium	0.50	0.302034615	0.000302035	8.39E-09
	Mitchell 2	Beryllium	0.50	0.944730769	0.000944731	2.62E-08
	Kropf, Tyler	Arsenic	2.10	1.999571538	0.001999572	5.55E-08
	Reno Ellis	Arsenic	2.03	0.300424385	0.000300424	8.35E-09
	Bowman	Cadmium	0.50	0.073996154	7.39962E-05	2.06E-09
	Van Leeuwen	Cadmium	0.50	38.98061538	0.038980615	1.08E-06
	Flores	Cadmium	0.50	0.502615385	0.000502615	1.40E-08
	Nungray	Cadmium	0.50	0.065153846	6.51538E-05	1.81E-09
	Topete	Cadmium	0.50	0.567769231	0.000567769	1.58E-08
	De La Rosa	Cadmium	0.50	0.302034615	0.000302035	8.39E-09
	Mitchell	Cadmium	0.50	0.325769231	0.000325769	9.05E-09
	Barstow	Cadmium	0.50	0.037882308	3.78823E-05	1.05E-09
	Mitchell 2	Cadmium	0.50	0.944730769	0.000944731	2.62E-08
	Norris	Cadmium	0.50	0.595692308	0.000595692	1.65E-08
	HD Investors	Cadmium	0.50	0.076788462	7.67885E-05	2.13E-09
	Johnson Trust	Cadmium	0.50	0.094938462	9.49385E-05	2.64E-09
	Kropf, Tyler	Cadmium	0.50	0.476088462	0.000476088	1.32E-08
	Chamoun	Cadmium	0.50	0.117276923	0.000117277	3.26E-09
	Reno Ellis	Cadmium	0.50	0.384873077	0.000384873	1.07E-08

Mainline Rates Calculations

1. Determine Volume of Impacted Soil exported from Rail Removal Length

Railroad Tracks						
Rail Removal (m)	Rail Removal (ft)	Width (ft)**	Rail Area (Sq ft)	epth of Excavation (f	lume of Export (f	lume of Export (cy)
32395.8	106285.4365	20.00	2125708.729	6	12754252.38	472379.7177

Meter to Feet Conversion	
1	meter
3.28084	feet

* Rail Removal Length is taken from the Line Source Length in HRA modeling

** Width is assumed to be 20 feet as a conservative estimate with 10 foot buffers on each side of the rail track being excavated

2. Determine total Kilograms of Soil Disturbed from Rail Removal

Area	Phase		
South Main	Track and Signa	160	acres graded
Block Swap	Track and Signa	880	acres graded
North Main	Track and Signa	80	acres graded
	Total	1,120	acres graded
	Total	6,679,153,145	kg graded

5963529.594 kg/acre

*Taken from grading spreadsheet

3. Determine the Particulate Matter Rate released by Rail Excavation

	2025		2026		2027		2028	
	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Unmitigated (Pounds/Day)								
Block Swap	225.62	761.63	1,530.81	454.25	239.04	433.03	1,611.89	46.34
Mitigated (Pounds/Day)								
Block Swap	93.83	296.42	384.57	112.10	86.43	105.67	606.39	11.42

*Taken from grading spreadsheet

	2025		2026		2027		2028	
	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Unmitigated (kg/Day)								
Block Swap	102.34	345.47	694.36	206.04	108.43	196.42	731.14	21.02
Mitigated (kg/Day)								
Block Swap	42.56	134.46	174.44	50.85	39.20	47.93	275.05	5.18

4. Determine the Milligrams of Constiuent from Rail Line Emissions

Mitigated	Constiuent	ncentration (mg/	Total (mg/dy)	Rate (g/day)	Rate (g/sec)
	Arsenic	2.010	44.84	0.044841539	1.25E-06
	Beryllium	0.500	11.15	0.011154612	3.10E-07
	Cadmium	0.500	11.15	0.011154612	3.10E-07
	Chromium Tota	1.000	22.31	0.022309223	6.20E-07
	Cobalt	1.000	22.31	0.022309223	6.20E-07
	Lead	0.500	11.15	0.011154612	3.10E-07
	Nickel	2.010	44.84	0.044841539	1.25E-06
	Benzene	0.005	0.11	0.000111546	3.10E-09
	Chloroform	0.005	0.11	0.000111546	3.10E-09
	Naphthelene	0.005	0.11	0.000111546	3.10E-09
	Ethylbenzene	0.005	0.11	0.000111546	3.10E-09
	Methyl Chloride	0.010	0.22	0.000223092	6.20E-09
	Benzo(A)pyrene	0.500	11.15	0.011154612	3.10E-07
	Benzo(B)flouran	0.500	11.15	0.011154612	3.10E-07
	Bis(2-Exylethly)	0.500	11.15	0.011154612	3.10E-07

Unmitigated	Constiuent	Concentration	Total (mg/dy)	Rate (g/day	Rate (g/sec)
	Arsenic	2.010	119.20	0.119198	3.31E-06
	Beryllium	0.500	29.65	0.029651	8.24E-07
	Cadmium	0.500	29.65	0.029651	8.24E-07
	Chromium Tot	1.000	59.30	0.059302	1.65E-06
	Cobalt	1.000	59.30	0.059302	1.65E-06
	Lead	0.500	29.65	0.029651	8.24E-07
	Nickel	2.010	119.20	0.119198	3.31E-06
	Benzene	0.005	0.30	0.000297	8.24E-09
	Chloroform	0.005	0.30	0.000297	8.24E-09
	Naphthelene	0.005	0.30	0.000297	8.24E-09
	Ethylbenzene	0.005	0.30	0.000297	8.24E-09
	Methyl Chloric	0.010	0.59	0.000593	1.65E-08
	Benzo(A)pyrer	0.500	29.65	0.029651	8.24E-07
	Benzo(B)flour	0.500	29.65	0.029651	8.24E-07
	Bis(2-Exylethly	0.500	29.65	0.029651	8.24E-07

Residential	Nearby BIG Component	X, Y	Unmitigated (per million) ARSENIC	BERYLLIUM	CADMIUM	COBALT	LEAD	NICKEL	BENZENE	CHLOROFORM	NAPHTHALENE	ETHYLBENZENE	METHYLENE CHLORIDE	BENZO(A)PYRENE	O(B)FLUORANT	-ETHYLHEXYL)PHTHA
1	West Lead	474863.09, 3848377.25	1.12E-05	3.41E-06	7.46E-06	1.03E-04	1.77E-07	4.86E-06	2.19E-12	1.02E-12	1.15E-11	1.22E-10	4.17E-13	3.40E-11	4.55E-12	3.02E-10
2	West Lead	474863.09, 3848877.25	1.18E-05	3.37E-06	7.41E-06	9.98E-05	1.82E-07	4.89E-06	2.46E-12	1.11E-12	1.28E-11	1.34E-10	4.15E-13	3.83E-11	4.58E-12	3.32E-10
3	West Lead	478676.63, 3850271.93	2.32E-05	6.92E-06	1.72E-05	2.48E-04	3.49E-07	1.07E-05	3.02E-12	1.49E-12	1.54E-11	1.67E-10	6.09E-13	4.27E-11	6.47E-12	4.14E-10
4	West Lead	478776.63, 3850171.93	2.01E-05	5.61E-06	1.20E-05	1.62E-04	2.69E-07	7.67E-06	2.91E-12	1.42E-12	1.47E-11	1.67E-10	5.95E-13	4.14E-11	6.35E-12	4.14E-10
5	West Lead	479026.63, 3850221.93	2.58E-05	6.98E-06	1.59E-05	2.12E-04	3.72E-07	1.08E-05	2.91E-12	1.38E-12	1.49E-11	3.24E-10	6.10E-13	4.20E-11	6.52E-12	8.01E-10
6	West Lead	480327.18, 3851037.04	2.36E-05	8.16E-06	1.54E-05	2.18E-04	3.40E-07	9.87E-06	5.30E-12	3.77E-12	1.90E-11	1.98E-10	8.66E-13	4.70E-11	8.55E-12	4.89E-10
7	West Lead	482333.91, 3852563.62	4.56E-05	3.68E-05	2.23E-05	3.08E-04	5.34E-07	1.49E-05	7.68E-12	2.83E-12	3.98E-11	3.52E-10	1.22E-12	5.94E-11	3.93E-11	8.70E-10
8	West Lead	482571.29, 3852799.74	5.41E-05	5.84E-05	2.51E-05	3.38E-04	5.88E-07	1.66E-05	6.88E-12	4.32E-12	3.05E-11	3.83E-10	1.43E-12	6.18E-11	4.21E-11	9.46E-10
9	BIG Rail Yard	483727.7, 3854221	6.88E-04	1.81E-04	3.00E-04	3.72E-03	8.10E-06	2.00E-04	1.17E-10	1.59E-11	2.00E-10	4.78E-09	6.26E-12	7.85E-11	1.80E-09	1.18E-08
10	BIG Rail Yard	484074.19, 3854569.8	2.09E-03	2.35E-04	8.74E-04	1.06E-02	1.91E-05	5.61E-04	2.18E-10	3.64E-11	5.92E-10	1.13E-08	1.37E-11	8.41E-11	3.31E-09	2.80E-08
11	BIG Rail Yard	485205.11, 3855238.89	1.55E-03	1.39E-04	4.80E-04	7.58E-03	1.36E-05	3.71E-04	7.57E-11	1.03E-10	5.26E-10	1.06E-08	6.62E-10	1.03E-10	1.16E-10	2.47E-08
12	BIG Rail Yard	485255.11, 3855338.89	1.16E-03	1.39E-04	4.49E-04	6.65E-03	1.20E-05	3.43E-04	7.03E-11	1.10E-10	5.98E-10	1.12E-08	3.32E-10	1.06E-10	1.05E-10	2.69E-08
13	BIG Rail Yard	486023.61, 3854936.51	1.77E-02	4.62E-03	1.03E-02	1.28E-01	2.93E-04	6.74E-03	4.59E-11	5.01E-11	2.80E-10	5.54E-09	6.70E-11	8.84E-11	1.89E-10	1.36E-08
14	BIG Rail Yard	486533.18, 3856193.15	2.29E-04	4.16E-05	1.21E-04	1.63E-03	3.02E-06	8.92E-05	2.56E-11	6.45E-11	1.61E-10	3.19E-09	2.51E-11	1.51E-10	6.04E-11	7.87E-09
15	BIG Rail Yard	486809.46, 3856515.28	1.87E-04	3.40E-05	9.87E-05	1.32E-03	2.48E-06	7.18E-05	2.39E-11	5.15E-11	1.37E-10	2.52E-09	2.35E-11	1.77E-10	7.55E-11	6.22E-09
16	Solar Farm	487951.04, 3857011.26	1.53E-04	2.70E-05	8.22E-05	1.04E-03	2.30E-06	5.57E-05	3.29E-11	2.97E-11	1.63E-10	1.78E-09	1.45E-11	4.19E-10	3.87E-10	4.39E-09
17	East Lead	488467.32, 3858009.41	1.00E-04	1.27E-05	5.13E-05	5.90E-04	1.66E-06	2.90E-05	4.85E-11	9.46E-12	1.49E-10	5.91E-10	7.31E-12	7.22E-10	4.96E-10	1.46E-09
18	East Lead	488769.93, 3858449.27	1.48E-04	1.33E-05	7.94E-05	8.27E-04	2.57E-06	3.79E-05	1.04E-10	5.48E-12	3.08E-10	3.85E-10	4.64E-12	1.61E-09	1.02E-10	9.52E-10
19	East Lead	488662.63, 3858492.85	1.57E-04	1.39E-05	8.34E-05	8.78E-04	2.70E-06	4.02E-05	1.07E-10	5.91E-12	3.21E-10	4.26E-10	4.25E-12	1.67E-09	1.07E-10	1.05E-09
20	East Lead	488870.84, 3858666.64	2.30E-04	1.81E-05	1.28E-04	1.30E-03	4.19E-06	5.89E-05	1.98E-10	5.65E-12	4.98E-10	4.25E-10	3.61E-12	2.66E-09	8.41E-11	1.05E-09
21	East Lead	489385.89, 3858976.54	1.18E-03	7.77E-05	6.75E-04	6.78E-03	2.21E-05	3.29E-04	1.49E-09	4.82E-12	1.90E-09	3.77E-10	2.89E-12	1.05E-08	5.61E-11	9.33E-10
22	East Lead	489422.4, 3859092.58	4.30E-03	3.00E-04	1.91E-03	2.45E-02	5.70E-05	1.40E-03	7.74E-09	4.98E-12	3.44E-09	4.05E-10	2.52E-12	1.91E-08	4.99E-11	1.00E-09
23	East Lead	489488.17, 3859571.48	6.73E-04	3.86E-05	4.44E-04	3.72E-03	1.54E-05	1.54E-04	2.04E-10	4.24E-12	3.97E-09	4.11E-10	1.64E-12	2.21E-08	1.90E-11	1.02E-09
24	East Lead	489813.71, 3860900.05	3.35E-05	4.16E-06	1.79E-05	2.00E-04	5.34E-07	9.64E-06	2.14E-11	1.19E-12	8.01E-11	1.91E-10	8.19E-13	4.10E-10	1.18E-11	4.73E-10
25	East Lead	490211.24, 3859766.13	3.59E-04	2.31E-05	2.26E-04	2.03E-03	7.67E-06	8.58E-05	2.11E-10	4.05E-12	1.88E-09	3.61E-10	1.57E-12	1.04E-08	2.46E-11	8.93E-10
26	East Lead	490327.07, 3859530.42	1.86E-03	9.68E-05	1.19E-03	1.01E-02	4.13E-05	4.16E-04	7.38E-10	3.73E-12	1.39E-08	3.07E-10	2.04E-12	7.79E-08	3.20E-11	7.59E-10
27	33kV Line	493330.5, 3860543.11	9.44E-05	8.28E-06	5.89E-05	5.44E-04	1.94E-06	2.39E-05	5.41E-11	1.82E-12	3.57E-10	1.66E-10	1.59E-12	1.96E-09	1.61E-11	4.10E-10
28	33kV Line	494911.06, 3859501.99	8.16E-05	8.10E-06	4.85E-05	4.83E-04	1.54E-06	2.25E-05	4.64E-11	3.24E-12	2.27E-10	3.07E-10	2.02E-12	1.19E-09	2.98E-11	7.59E-10
29	33kV Line	495211.06, 3859101.99	6.56E-05	7.41E-06	3.99E-05	3.93E-04	1.28E-06	1.82E-05	3.34E-11	2.93E-12	1.89E-10	2.65E-10	1.81E-12	9.94E-10	2.42E-11	6.53E-10
30	Existing Barstow Rail Ya	496363.09, 3861377.25	5.01E-05	5.85E-06	3.09E-05	3.19E-04	9.58E-07	1.51E-05	2.37E-11	2.75E-12	1.40E-10	2.73E-10	1.09E-12	7.30E-10	1.48E-11	6.76E-10
Student	**BIG Component**	**X, Y**														
S-1	East Lead	490069.73, 3859305.34	1.34E-03	7.08E-05	9.27E-04	7.46E-03	3.24E-05	3.03E-04	4.43E-10	5.77E-13	7.97E-09	4.62E-11	3.68E-13	4.46E-08	5.51E-12	1.14E-10
Worker/Pl	**BIG Component**	**X, Y**														
W-1	East Lead	489615.05, 3859219.43	5.79E-04	3.38E-05	3.49E-04	3.42E-03	1.15E-05	1.47E-04	1.13E-09	1.20E-13	3.32E-10	9.95E-12	5.90E-14	1.86E-09	1.12E-12	2.46E-11
W-2	East Lead	489795.41, 3859349.72	1.21E-03	6.27E-05	8.74E-04	6.72E-03	3.09E-05	2.66E-04	8.93E-11	1.15E-13	7.81E-09	9.68E-12	5.40E-14	4.37E-08	9.88E-13	2.39E-11
W-3	East Lead	490161.89, 3859541.83	4.51E-05	2.27E-06	2.77E-05	2.41E-04	9.56E-07	9.88E-06	1.58E-11	1.03E-13	4.06E-10	8.77E-12	4.94E-14	2.27E-09	8.40E-13	2.17E-11
														0.00E+00	0.00E+00	0.00E+00
Park	**BIG Component**	**X, Y**														
P-1	East Lead	490429.25, 3859815.26	5.58E-05	3.62E-06	3.58E-05	3.18E-04	1.21E-06	1.35E-05	2.92E-11	5.90E-13	2.94E-10	5.23E-11	2.45E-13	1.63E-09	3.94E-12	1.29E-10

	Nearby		Mitigated (per million)												
Residential	BIG Component	X, Y	ARSENIC	BERYLLIUM	CADMIUM	COBALT	LEAD	NICKEL	BENZENE	CHLOROFORM	NAPHTHALENE	ETHYLBENZENE	METHYLENE CHLORIDE	BENZO(A)PYRENE	O(B)FLUORANT	-ETHYLHEXYL)PHTHA
1	West Lead	474863.09, 3848377.25	5.60E-06	6.80E-07	2.65E-06	3.59E-05	6.44E-08	1.74E-06	8.56E-13	2.96E-13	3.87E-12	4.77E-11	1.42E-13	9.89E-12	1.32E-12	1.18E-10
2	West Lead	474863.09, 3848877.25	5.39E-06	6.95E-07	2.68E-06	3.57E-05	6.75E-08	1.78E-06	9.61E-13	3.23E-13	4.29E-12	5.23E-11	1.42E-13	1.11E-11	1.33E-12	1.29E-10
3	West Lead	478676.63, 3850271.93	1.42E-05	1.38E-06	5.66E-06	8.03E-05	1.19E-07	3.55E-06	1.18E-12	4.34E-13	5.24E-12	6.53E-11	2.08E-13	1.24E-11	1.88E-12	1.61E-10
4	West Lead	478776.63, 3850171.93	9.25E-06	1.03E-06	4.14E-06	5.52E-05	9.54E-08	2.67E-06	1.14E-12	4.13E-13	5.00E-12	6.53E-11	2.04E-13	1.20E-11	1.84E-12	1.61E-10
5	West Lead	479026.63, 3850221.93	1.10E-05	1.55E-06	5.75E-06	7.60E-05	1.37E-07	3.95E-06	1.13E-12	4.02E-13	5.07E-12	1.26E-10	2.09E-13	1.22E-11	1.90E-12	3.12E-10
6	West Lead	480327.18, 3851037.04	1.24E-05	1.33E-06	5.25E-06	7.34E-05	1.20E-07	3.41E-06	2.07E-12	1.10E-12	6.59E-12	7.72E-11	3.01E-13	1.37E-11	2.48E-12	1.91E-10
7	West Lead	482333.91, 3852563.62	1.89E-05	2.10E-06	7.79E-06	1.07E-04	1.91E-07	5.28E-06	2.99E-12	8.24E-13	1.45E-11	1.37E-10	4.02E-13	1.73E-11	1.14E-11	3.39E-10
8	West Lead	482571.29, 3852799.74	2.12E-05	2.35E-06	8.71E-06	1.17E-04	2.08E-07	5.81E-06	2.68E-12	1.26E-12	1.08E-11	1.49E-10	4.70E-13	1.80E-11	1.22E-11	3.69E-10
9	BIG Rail Yard	483727.7, 3854221	2.27E-04	2.65E-05	1.03E-04	1.30E-03	2.76E-06	7.01E-05	4.56E-11	4.62E-12	7.68E-11	1.87E-09	1.93E-12	2.28E-11	5.22E-10	4.61E-09
10	BIG Rail Yard	484074.19, 3854569.8	6.70E-04	7.13E-05	2.93E-04	3.58E-03	6.50E-06	1.91E-04	8.49E-11	1.06E-11	2.29E-10	4.42E-09	4.13E-12	2.44E-11	9.62E-10	1.09E-08
11	BIG Rail Yard	485205.11, 3855238.89	5.03E-04	4.66E-05	1.70E-04	2.64E-03	4.75E-06	1.32E-04	2.95E-11	3.00E-11	2.03E-10	4.08E-09	1.93E-10	2.98E-11	3.36E-11	9.63E-09
12	BIG Rail Yard	485255.11, 3855338.89	3.94E-04	4.72E-05	1.64E-04	2.41E-03	4.35E-06	1.26E-04	2.74E-11	3.19E-11	2.31E-10	4.33E-09	9.75E-11	3.07E-11	3.05E-11	1.05E-08
13	BIG Rail Yard	486023.61, 3854936.51	6.73E-03	1.00E-03	3.97E-03	4.92E-02	1.13E-04	2.59E-03	1.79E-11	1.46E-11	1.08E-10	2.16E-09	1.99E-11	2.57E-11	5.50E-11	5.29E-09
14	BIG Rail Yard	486533.18, 3856193.15	8.39E-05	1.33E-05	4.55E-05	6.15E-04	1.14E-06	3.38E-05	1.00E-11	1.88E-11	6.01E-11	1.24E-09	9.08E-12	4.40E-11	1.75E-11	3.07E-09
15	BIG Rail Yard	486809.46, 3856515.28	6.85E-05	1.07E-05	3.71E-05	4.96E-04	9.36E-07	2.71E-05	9.31E-12	1.50E-11	5.03E-11	9.81E-10	8.70E-12	5.14E-11	2.20E-11	2.42E-09
16	Solar Farm	487951.04, 3857011.26	5.64E-05	8.16E-06	3.10E-05	3.94E-04	8.63E-07	2.11E-05	1.28E-11	8.62E-12	5.60E-11	6.92E-10	5.43E-12	1.22E-10	1.12E-10	1.71E-09
17	East Lead	488467.32, 3858009.41	3.64E-05	4.16E-06	1.96E-05	2.18E-04	6.11E-07	1.08E-05	1.89E-11	2.75E-12	4.54E-11	2.31E-10	2.76E-12	2.10E-10	1.44E-10	5.70E-10
18	East Lead	488769.93, 3858449.27	5.49E-05	5.13E-06	3.09E-05	3.08E-04	9.79E-07	1.42E-05	4.06E-11	1.59E-12	9.15E-11	1.50E-10	1.74E-12	4.68E-10	2.96E-11	3.71E-10
19	East Lead	488662.63, 3858492.85	5.83E-05	5.50E-06	3.25E-05	3.27E-04	1.03E-06	1.50E-05	4.19E-11	1.72E-12	9.57E-11	1.66E-10	1.61E-12	4.86E-10	3.12E-11	4.11E-10
20	East Lead	488870.84, 3858666.64	8.65E-05	7.81E-06	4.98E-05	4.88E-04	1.60E-06	2.22E-05	7.72E-11	1.64E-12	1.47E-10	1.66E-10	1.36E-12	7.73E-10	2.45E-11	4.10E-10
21	East Lead	489385.89, 3858976.54	4.52E-04	3.96E-05	2.62E-04	2.61E-03	8.56E-06	1.27E-04	5.82E-10	1.40E-12	5.53E-10	1.47E-10	1.08E-12	3.05E-09	1.63E-11	3.64E-10
22	East Lead	489422.4, 3859092.58	1.67E-03	1.68E-04	7.43E-04	9.50E-03	2.21E-05	5.45E-04	3.02E-09	1.45E-12	1.00E-09	1.58E-10	9.44E-13	5.56E-09	1.45E-11	3.91E-10
23	East Lead	489488.17, 3859571.48	2.47E-04	1.62E-05	1.71E-04	1.40E-03	5.93E-06	5.78E-05	7.94E-11	1.23E-12	1.15E-09	1.60E-10	6.20E-13	6.42E-09	5.52E-12	3.97E-10
24	East Lead	489813.71, 3860900.05	1.22E-05	1.36E-06	6.85E-06	7.47E-05	2.03E-07	3.61E-06	8.35E-12	3.46E-13	2.40E-11	7.46E-11	3.00E-13	1.19E-10	3.44E-12	1.84E-10
25	East Lead	490211.24, 3859766.13	1.34E-04	9.81E-06	8.72E-05	7.61E-04	2.95E-06	3.22E-05	8.22E-11	1.18E-12	5.48E-10	1.41E-10	5.82E-13	3.03E-09	7.14E-12	3.48E-10
26	East Lead	490327.07, 3859530.42	6.79E-04	4.14E-05	4.57E-04	3.78E-03	1.59E-05	1.55E-04	2.88E-10	1.09E-12	4.06E-09	1.20E-10	7.50E-13	2.27E-08	9.31E-12	2.96E-10
27	33kV Line	493330.5, 3860543.11	3.53E-05	2.84E-06	2.26E-05	2.04E-04	7.45E-07	8.97E-06	2.11E-11	5.28E-13	1.04E-10	6.48E-11	5.77E-13	5.70E-10	4.69E-12	1.60E-10
28	33kV Line	494911.06, 3859501.99	3.01E-05	2.85E-06	1.85E-05	1.82E-04	5.89E-07	8.48E-06	1.81E-11	9.41E-13	6.74E-11	1.20E-10	6.94E-13	3.45E-10	8.66E-12	2.96E-10
29	33kV Line	495211.06, 3859101.99	2.43E-05	2.32E-06	1.53E-05	1.48E-04	4.90E-07	6.89E-06	1.30E-11	8.51E-13	5.61E-11	1.03E-10	6.26E-13	2.89E-10	7.04E-12	2.55E-10
30	Existing Barstow Rail Ya	496363.09, 3861377.25	1.91E-05	1.99E-06	1.18E-05	1.20E-04	3.67E-07	5.70E-06	9.23E-12	7.98E-13	4.18E-11	1.07E-10	4.05E-13	2.12E-10	4.31E-12	2.64E-10
Student	**BIG Component**	**X, Y**														
S-1	East Lead	490069.73, 3859305.34	4.95E-04	3.01E-05	3.57E-04	2.82E-03	1.25E-05	1.14E-04	1.73E-10	1.68E-13	2.32E-09	1.80E-11	1.35E-13	1.30E-08	1.60E-12	4.46E-11
Worker/Pl	**BIG Component**	**X, Y**														
W-1	East Lead	489615.05, 3859219.43	2.25E-04	2.07E-05	1.36E-04	1.33E-03	4.48E-06	5.71E-05	4.40E-10	3.49E-14	9.66E-11	3.88E-12	2.20E-14	5.40E-10	3.25E-13	9.59E-12
W-2	East Lead	489795.41, 3859349.72	4.45E-04	2.47E-05	3.36E-04	2.53E-03	1.19E-05	1.00E-04	3.48E-11	3.34E-14	2.27E-09	3.77E-12	2.00E-14	1.27E-08	2.87E-13	9.33E-12
W-3	East Lead	490161.89, 3859541.83	1.63E-05	9.55E-07	1.06E-05	8.90E-05	3.66E-07	3.64E-06	6.18E-12	3.01E-14	1.18E-10	3.42E-12	1.82E-14	6.60E-10	2.44E-13	8.46E-12
Park	**BIG Component**	**X, Y**														
P-1	East Lead	490429.25, 3859815.26	2.09E-05	1.51E-06	1.38E-05	1.19E-04	4.66E-07	5.05E-06	1.14E-11	1.71E-13	8.57E-11	2.04E-11	8.99E-14	4.74E-10	1.14E-12	5.04E-11

	Nearby		Unmitigated (per million)												
Residentia	BIG Component	X, Y	ARSENIC	BERYLLIUM	CADMIUM	COBALT	LEAD	NICKEL	BENZENE	CHLOROFORM	NAPHTHALENE	ETHYLBENZENE	METHYLENE CHLORIDE	BENZO(A)PYRENE	BENZO(B)FLUORANTHENE	ETHYLHEXYL)PHTHA
1	West Lead	474863.09, 3848377.25	1.68E-05	3.33E-05	5.01E-06	1.53E-08	1.70E-08	1.10E-04	9.83E-15	2.40E-18	4.75E-15	1.42E-17	3.00E-18	3.51E-14	4.71E-14	1.45E-10
2	West Lead	474863.09, 3848877.25	1.76E-05	3.30E-05	4.98E-06	1.49E-08	1.75E-08	1.10E-04	1.10E-14	2.62E-18	5.29E-15	1.55E-17	2.99E-18	3.96E-14	4.73E-14	1.59E-10
3	West Lead	478676.63, 3850271.93	3.46E-05	6.78E-05	1.16E-05	3.70E-08	3.35E-08	2.41E-04	1.35E-14	3.52E-18	6.38E-15	1.94E-17	4.39E-18	4.41E-14	6.69E-14	1.99E-10
4	West Lead	478776.63, 3850171.93	3.00E-05	5.50E-05	8.07E-06	2.41E-08	2.58E-08	1.73E-04	1.30E-14	3.35E-18	6.09E-15	1.94E-17	4.29E-18	4.28E-14	6.56E-14	1.99E-10
5	West Lead	479026.63, 3850221.93	3.85E-05	6.83E-05	1.07E-05	3.16E-08	3.57E-08	2.44E-04	1.30E-14	3.26E-18	6.19E-15	3.75E-17	4.39E-18	4.34E-14	6.74E-14	3.84E-10
6	West Lead	480327.18, 3851037.04	3.52E-05	7.99E-05	1.03E-05	3.25E-08	3.26E-08	2.23E-04	2.37E-14	8.89E-18	7.90E-15	2.29E-17	6.23E-18	4.86E-14	8.83E-14	2.35E-10
7	West Lead	482333.91, 3852563.62	6.81E-05	3.60E-04	1.50E-05	4.60E-08	5.13E-08	3.37E-04	3.44E-14	6.68E-18	1.65E-14	4.08E-17	8.80E-18	6.13E-14	4.06E-13	4.18E-10
8	West Lead	482571.29, 3852799.74	8.07E-05	5.72E-04	1.69E-05	5.05E-08	5.65E-08	3.74E-04	3.08E-14	1.02E-17	1.26E-14	4.43E-17	1.03E-17	6.39E-14	4.35E-13	4.54E-10
9	BIG Rail Yard	483727.7, 3854221	1.03E-03	1.77E-03	2.01E-04	5.55E-07	7.77E-07	4.52E-03	5.24E-13	3.74E-17	8.31E-14	5.54E-16	4.50E-17	8.11E-14	1.86E-11	5.67E-09
10	BIG Rail Yard	484074.19, 3854569.8	3.12E-03	2.30E-03	5.87E-04	1.58E-06	1.83E-06	1.27E-02	9.74E-13	8.57E-17	2.46E-13	1.31E-15	9.88E-17	8.69E-14	3.42E-11	1.34E-08
11	BIG Rail Yard	485205.11, 3855238.89	2.31E-03	1.36E-03	3.22E-04	1.13E-06	1.30E-06	8.38E-03	3.39E-13	2.43E-16	2.18E-13	1.23E-15	4.76E-15	1.06E-13	1.20E-12	1.18E-08
12	BIG Rail Yard	485255.11, 3855338.89	1.73E-03	1.36E-03	3.02E-04	9.92E-07	1.15E-06	7.76E-03	3.15E-13	2.59E-16	2.48E-13	1.30E-15	2.39E-15	1.09E-13	1.08E-12	1.29E-08
13	BIG Rail Yard	486023.61, 3854936.51	2.64E-02	4.52E-02	6.91E-03	1.91E-05	2.81E-05	1.52E-01	2.06E-13	1.18E-16	1.16E-13	6.42E-16	4.82E-16	9.14E-14	1.95E-12	6.51E-09
14	BIG Rail Yard	486533.18, 3856193.15	3.42E-04	4.08E-04	8.13E-05	2.44E-07	2.90E-07	2.02E-03	1.15E-13	1.52E-16	6.67E-14	3.69E-16	1.81E-16	1.57E-13	6.24E-13	3.78E-09
15	BIG Rail Yard	486809.46, 3856515.28	2.80E-04	3.33E-04	6.63E-05	1.97E-07	2.38E-07	1.62E-03	1.07E-13	1.21E-16	5.68E-14	2.91E-16	1.69E-16	1.83E-13	7.81E-13	2.98E-09
16	Solar Farm	487951.04, 3857011.26	2.29E-04	2.64E-04	5.52E-05	1.56E-07	2.21E-07	1.26E-03	1.47E-13	6.99E-17	6.74E-14	2.06E-16	1.05E-16	4.33E-13	4.00E-12	2.11E-09
17	East Lead	488467.32, 3858009.41	1.50E-04	1.24E-04	3.45E-05	8.80E-08	1.59E-07	6.55E-04	2.17E-13	2.23E-17	6.19E-14	6.85E-17	5.26E-17	7.46E-13	5.13E-12	7.01E-10
18	East Lead	488769.93, 3858449.27	2.21E-04	1.30E-04	5.33E-05	1.23E-07	2.47E-07	8.56E-04	4.66E-13	1.29E-17	1.28E-13	4.46E-17	3.34E-17	1.66E-12	1.05E-12	4.57E-10
19	East Lead	488662.63, 3858492.85	2.34E-04	1.36E-04	5.60E-05	1.31E-07	2.59E-07	9.08E-04	4.81E-13	1.39E-17	1.33E-13	4.94E-17	3.06E-17	1.73E-12	1.11E-12	5.06E-10
20	East Lead	488870.84, 3858666.64	3.43E-04	1.77E-04	8.60E-05	1.94E-07	4.02E-07	1.33E-03	8.87E-13	1.33E-17	2.06E-13	4.92E-17	2.60E-17	2.75E-12	8.69E-13	5.04E-10
21	East Lead	489385.89, 3858976.54	1.76E-03	7.61E-04	4.54E-04	1.01E-06	2.12E-06	7.44E-03	6.68E-12	1.13E-17	7.86E-13	4.37E-17	2.08E-17	1.08E-11	5.80E-13	4.47E-10
22	East Lead	489422.4, 3859092.58	6.42E-03	2.93E-03	1.28E-03	3.66E-06	5.47E-06	3.17E-02	3.47E-11	1.17E-17	1.42E-12	4.69E-17	1.82E-17	1.98E-11	5.16E-13	4.81E-10
23	East Lead	489488.17, 3859571.48	1.00E-03	3.78E-04	2.98E-04	5.55E-07	1.48E-06	3.48E-03	9.12E-13	9.99E-18	1.64E-12	4.76E-17	1.18E-17	2.28E-11	1.96E-13	4.88E-10
24	East Lead	489813.71, 3860900.05	4.99E-05	4.07E-05	1.20E-05	2.99E-08	5.13E-08	2.18E-04	9.58E-14	2.80E-18	3.32E-14	2.21E-17	5.89E-18	4.24E-13	1.22E-13	2.27E-10
25	East Lead	490211.24, 3859766.13	5.36E-04	2.26E-04	1.52E-04	3.02E-07	7.36E-07	1.94E-03	9.44E-13	9.54E-18	7.80E-13	4.18E-17	1.13E-17	1.08E-11	2.54E-13	4.29E-10
26	East Lead	490327.07, 3859530.42	2.77E-03	9.48E-04	8.02E-04	1.51E-06	3.96E-06	9.39E-03	3.30E-12	8.80E-18	5.78E-12	3.55E-17	1.47E-17	8.05E-11	3.31E-13	3.64E-10
27	33kV Line	493330.5, 3860543.11	1.41E-04	8.11E-05	3.95E-05	8.11E-08	1.86E-07	5.40E-04	2.42E-13	4.28E-18	1.48E-13	1.93E-17	1.15E-17	2.03E-12	1.67E-13	1.97E-10
28	33kV Line	494911.06, 3859501.99	1.22E-04	7.93E-05	3.26E-05	7.20E-08	1.48E-07	5.09E-04	2.08E-13	7.63E-18	9.40E-14	3.56E-17	1.45E-17	1.23E-12	3.08E-13	3.64E-10
29	33kV Line	495211.06, 3859101.99	9.80E-05	7.25E-05	2.68E-05	5.86E-08	1.23E-07	4.12E-04	1.50E-13	6.90E-18	7.84E-14	3.07E-17	1.30E-17	1.03E-12	2.50E-13	3.14E-10
30	Existing Barstow Rail Y	496363.09, 3861377.25	7.48E-05	5.72E-05	2.08E-05	4.77E-08	9.19E-08	3.42E-04	1.06E-13	6.47E-18	5.82E-14	3.17E-17	7.84E-18	7.55E-13	1.53E-13	3.25E-10
Student	**BIG Component**	**X, Y**														
S-1	East Lead	490069.73, 3859305.34	1.31E-02	4.54E-03	4.08E-03	7.29E-06	2.04E-05	4.48E-02	1.30E-11	8.91E-18	2.17E-11	3.51E-17	1.73E-17	3.02E-10	3.73E-13	3.59E-10
Worker/Pl	**BIG Component**	**X, Y**														
W-1	East Lead	489615.05, 3859219.43	3.41E-02	1.30E-02	9.23E-03	2.01E-05	4.35E-05	1.31E-01	1.99E-10	1.11E-17	5.42E-12	4.54E-17	1.67E-17	7.55E-11	4.55E-13	4.65E-10
W-2	East Lead	489795.41, 3859349.72	7.08E-02	2.42E-02	2.31E-02	3.95E-05	1.17E-04	2.37E-01	1.57E-11	1.07E-17	1.27E-10	4.41E-17	1.53E-17	1.78E-09	4.02E-13	4.52E-10
W-3	East Lead	490161.89, 3859541.83	2.65E-03	8.74E-04	7.33E-04	1.42E-06	3.61E-06	8.79E-03	2.79E-12	9.60E-18	6.63E-12	4.00E-17	1.40E-17	9.24E-11	3.42E-13	4.10E-10
Park	**BIG Component**	**X, Y**														
P-1	East Lead	490429.25, 3859815.26	5.45E-04	2.32E-04	1.58E-04	3.11E-07	7.63E-07	1.99E-03	8.57E-13	9.11E-18	7.99E-13	3.97E-17	1.15E-17	1.10E-11	2.67E-13	4.06E-10

	Nearby		Mitigated (per million)												
Residentia	BIG Component	X, Y	ARSENIC	BERYLLIUM	CADMIUM	COBALT	LEAD	NICKEL	BENZENE	CHLOROFORM	NAPHTHALENE	ETHYLBENZENE	METHYLENE CHLORIDE	BENZO(A)PYRENE	BENZO(B)FLUORANTHENE	ETHYLHEXYL)PHTHA
1	West Lead	474863.09, 3848377.25	8.36E-06	6.66E-06	1.78E-06	5.36E-09	6.18E-09	3.94E-05	3.83E-15	6.98E-19	1.60E-15	5.52E-18	1.02E-18	1.02E-14	1.37E-14	5.65E-11
2	West Lead	474863.09, 3848877.25	8.05E-06	6.80E-06	1.80E-06	5.33E-09	6.47E-09	4.03E-05	4.30E-15	7.62E-19	1.78E-15	6.06E-18	1.03E-18	1.15E-14	1.38E-14	6.21E-11
3	West Lead	478676.63, 3850271.93	2.12E-05	1.35E-05	3.80E-06	1.20E-08	1.14E-08	8.02E-05	5.28E-15	1.02E-18	2.17E-15	7.56E-18	1.50E-18	1.28E-14	1.94E-14	7.74E-11
4	West Lead	478776.63, 3850171.93	1.38E-05	1.01E-05	2.78E-06	8.24E-09	9.16E-09	6.04E-05	5.09E-15	9.74E-19	2.07E-15	7.56E-18	1.47E-18	1.24E-14	1.91E-14	7.74E-11
5	West Lead	479026.63, 3850221.93	1.65E-05	1.52E-05	3.86E-06	1.13E-08	1.32E-08	8.92E-05	5.07E-15	9.48E-19	2.10E-15	1.46E-17	1.50E-18	1.26E-14	1.96E-14	1.50E-10
6	West Lead	480327.18, 3851037.04	1.86E-05	1.30E-05	3.53E-06	1.10E-08	1.15E-08	7.70E-05	9.25E-15	2.58E-18	2.73E-15	8.94E-18	2.16E-18	1.41E-14	2.57E-14	9.16E-11
7	West Lead	482333.91, 3852563.62	2.83E-05	2.06E-05	5.23E-06	1.60E-08	1.83E-08	1.19E-04	1.34E-14	1.94E-18	5.99E-15	1.59E-17	2.90E-18	1.78E-14	1.18E-13	1.63E-10
8	West Lead	482571.29, 3852799.74	3.16E-05	2.30E-05	5.85E-06	1.74E-08	2.00E-08	1.31E-04	1.20E-14	2.96E-18	4.48E-15	1.73E-17	3.38E-18	1.86E-14	1.26E-13	1.77E-10
9	BIG Rail Yard	483727.7, 3854221	3.38E-04	2.60E-04	6.92E-05	1.94E-07	2.65E-07	1.58E-03	2.04E-13	1.09E-17	3.18E-14	2.16E-16	1.39E-17	2.36E-14	5.40E-12	2.21E-09
10	BIG Rail Yard	484074.19, 3854569.8	9.99E-04	6.98E-04	1.97E-04	5.34E-07	6.24E-07	4.32E-03	3.80E-13	2.49E-17	9.51E-14	5.11E-16	2.97E-17	2.53E-14	9.94E-12	5.24E-09
11	BIG Rail Yard	485205.11, 3855238.89	7.50E-04	4.56E-04	1.14E-04	3.94E-07	4.56E-07	2.98E-03	1.32E-13	7.07E-17	8.43E-14	4.73E-16	1.39E-15	3.08E-14	3.47E-13	4.62E-09
12	BIG Rail Yard	485255.11, 3855338.89	5.89E-04	4.62E-04	1.10E-04	3.59E-07	4.17E-07	2.85E-03	1.23E-13	7.53E-17	9.59E-14	5.01E-16	7.02E-16	3.18E-14	3.15E-13	5.03E-09
13	BIG Rail Yard	486023.61, 3854936.51	1.00E-02	9.79E-03	2.67E-03	7.35E-06	1.08E-05	5.86E-02	8.02E-14	3.43E-17	4.46E-14	2.50E-16	1.43E-16	2.66E-14	5.68E-13	2.54E-09
14	BIG Rail Yard	486533.18, 3856193.15	1.25E-04	1.30E-04	3.06E-05	9.18E-08	1.10E-07	7.63E-04	4.48E-14	4.42E-17	2.49E-14	1.44E-16	6.54E-17	4.55E-14	1.81E-13	1.47E-09
15	BIG Rail Yard	486809.46, 3856515.28	1.02E-04	1.05E-04	2.49E-05	7.40E-08	8.98E-08	6.13E-04	4.17E-14	3.53E-17	2.09E-14	1.14E-16	6.26E-17	5.31E-14	2.27E-13	1.16E-09
16	Solar Farm	487951.04, 3857011.26	8.42E-05	7.99E-05	2.08E-05	5.88E-08	8.28E-08	4.76E-04	5.75E-14	2.03E-17	2.32E-14	8.02E-17	3.91E-17	1.26E-13	1.16E-12	8.22E-10
17	East Lead	488467.32, 3858009.41	5.44E-05	4.07E-05	1.32E-05	3.25E-08	5.87E-08	2.43E-04	8.47E-14	6.48E-18	1.88E-14	2.67E-17	1.98E-17	2.17E-13	1.49E-12	2.73E-10
18	East Lead	488769.93, 3858449.27	8.19E-05	5.02E-05	2.07E-05	4.60E-08	9.40E-08	3.20E-04	1.82E-13	3.75E-18	3.79E-14	1.74E-17	1.26E-17	4.84E-13	3.06E-13	1.78E-10
19	East Lead	488662.63, 3858492.85	8.70E-05	5.39E-05	2.18E-05	4.87E-08	9.85E-08	3.40E-04	1.88E-13	4.05E-18	3.97E-14	1.92E-17	1.16E-17	5.02E-13	3.22E-13	1.97E-10
20	East Lead	488870.84, 3858666.64	1.29E-04	7.65E-05	3.35E-05	7.29E-08	1.54E-07	5.02E-04	3.46E-13	3.87E-18	6.09E-14	1.92E-17	9.81E-18	7.99E-13	2.53E-13	1.97E-10
21	East Lead	489385.89, 3858976.54	6.74E-04	3.88E-04	1.76E-04	3.90E-07	8.21E-07	2.87E-03	2.61E-12	3.30E-18	2.29E-13	1.70E-17	7.76E-18	3.15E-12	1.69E-13	1.74E-10
22	East Lead	489422.4, 3859092.58	2.49E-03	1.64E-03	4.99E-04	1.42E-06	2.12E-06	1.23E-02	1.35E-11	3.41E-18	4.15E-13	1.83E-17	6.79E-18	5.74E-12	1.50E-13	1.87E-10
23	East Lead	489488.17, 3859571.48	3.69E-04	1.58E-04	1.15E-04	2.09E-07	5.69E-07	1.31E-03	3.56E-13	2.90E-18	4.79E-13	1.86E-17	4.46E-18	6.64E-12	5.70E-14	1.90E-10
24	East Lead	489813.71, 3860900.05	1.82E-05	1.34E-05	4.60E-06	1.11E-08	1.95E-08	8.15E-05	3.74E-14	8.15E-19	9.94E-15	8.63E-18	2.16E-18	1.23E-13	3.56E-14	8.85E-11
25	East Lead	490211.24, 3859766.13	1.99E-04	9.60E-05	5.85E-05	1.14E-07	2.83E-07	7.28E-04	3.68E-13	2.77E-18	2.27E-13	1.63E-17	4.19E-18	3.13E-12	7.38E-14	1.67E-10
26	East Lead	490327.07, 3859530.42	1.01E-03	4.06E-04	3.07E-04	5.64E-07	1.52E-06	3.50E-03	1.29E-12	2.56E-18	1.68E-12	1.39E-17	5.40E-18	2.34E-11	9.62E-14	1.42E-10
27	33kV Line	493330.5, 3860543.11	5.27E-05	2.78E-05	1.52E-05	3.04E-08	7.15E-08	2.03E-04	9.45E-14	1.24E-18	4.33E-14	7.50E-18	4.15E-18	5.89E-13	4.85E-14	7.68E-11
28	33kV Line	494911.06, 3859501.99	4.49E-05	2.80E-05	1.24E-05	2.71E-08	5.65E-08	1.92E-04	8.11E-14	2.22E-18	2.79E-14	1.39E-17	4.99E-18	3.57E-13	8.95E-14	1.42E-10
29	33kV Line	495211.06, 3859101.99	3.63E-05	2.27E-05	1.03E-05	2.21E-08	4.70E-08	1.56E-04	5.83E-14	2.01E-18	2.33E-14	1.19E-17	4.50E-18	2.99E-13	7.27E-14	1.22E-10
30	Existing Barstow Rail Y	496363.09, 3861377.25	2.84E-05	1.95E-05	7.94E-06	1.79E-08	3.52E-08	1.29E-04	4.13E-14	1.88E-18	1.73E-14	1.23E-17	2.92E-18	2.19E-13	4.46E-14	1.27E-10
Student	**BIG Component**	**X, Y**														
S-1	East Lead	490069.73, 3859305.34	4.84E-03	1.93E-03	1.57E-03	2.76E-06	7.86E-06	1.69E-02	5.07E-12	2.59E-18	6.30E-12	1.37E-17	6.39E-18	8.78E-11	1.09E-13	1.40E-10
Worker/Pl	**BIG Component**	**X, Y**														
W-1	East Lead	489615.05, 3859219.43	1.32E-02	7.97E-03	3.59E-03	7.80E-06	1.69E-05	5.08E-02	7.76E-11	3.24E-18	1.58E-12	1.77E-17	6.22E-18	2.20E-11	1.32E-13	1.81E-10
W-2	East Lead	489795.41, 3859349.72	2.61E-02	9.52E-03	8.90E-03	1.49E-05	4.50E-05	8.91E-02	6.14E-12	3.10E-18	3.71E-11	1.72E-17	5.68E-18	5.17E-10	1.17E-13	1.76E-10
W-3	East Lead	490161.89, 3859541.83	9.60E-04	3.68E-04	2.80E-04	5.23E-07	1.38E-06	3.24E-03	1.09E-12	2.79E-18	1.93E-12	1.56E-17	5.15E-18	2.69E-11	9.93E-14	1.60E-10
Park	**BIG Component**	**X, Y**														
P-1	East Lead	490429.25, 3859815.26	2.05E-04	9.66E-05	6.06E-05	1.17E-07	2.93E-07	7.47E-04	3.34E-13	2.65E-18	2.33E-13	1.55E-17	4.24E-18	3.21E-12	7.75E-14	1.59E-10

Residential	Nearby BIG Component	X, Y	Unmitigated (per million)												
			ARSENIC	BERYLLIUM	CADMIUM	COBALT	LEAD	NICKEL	BENZENE	CHLOROFORM	NAPHTHALENE	ETHYLBENZENE	METHYLENE CHLORIDE	BENZO(A)PYRENE	ENZO(B)FLUORANTHEN	ETHYLHEXYL)PHTHA
1	West Lead	474863.09, 3848377.25	9.54E-05	2.76E-06	1.52E-06	1.07E-05	1.43E-05	4.02E-04	1.18E-13	7.77E-15	3.54E-10	4.52E-08	5.00E-18	3.94E-11	1.03E-10	1.15E-07
2	West Lead	474863.09, 3848877.25	1.44E-04	1.80E-06	2.57E-06	1.69E-05	2.52E-05	6.27E-04	2.89E-13	9.60E-15	8.73E-10	6.35E-08	3.28E-18	1.14E-10	1.13E-10	1.62E-07
3	West Lead	478676.63, 3850271.93	1.73E-04	2.29E-06	2.79E-06	2.00E-05	2.31E-05	7.51E-04	1.77E-13	2.12E-14	4.85E-10	7.65E-08	7.93E-18	3.48E-11	5.04E-11	1.96E-07
4	West Lead	478776.63, 3850171.93	1.82E-04	1.98E-06	2.86E-06	2.00E-05	2.34E-05	7.70E-04	1.53E-13	1.80E-14	4.22E-10	8.16E-08	8.06E-18	3.24E-11	4.76E-11	2.09E-07
5	West Lead	479026.63, 3850221.93	1.41E-03	1.77E-05	3.12E-05	2.29E-04	2.71E-04	9.67E-03	1.48E-13	1.45E-14	4.63E-10	1.68E-06	9.63E-18	3.66E-11	4.95E-11	4.32E-06
6	West Lead	480327.18, 3851037.04	3.20E-04	3.70E-06	4.00E-06	3.30E-05	3.92E-05	1.16E-03	2.21E-12	4.48E-13	8.35E-10	8.49E-08	2.87E-17	4.35E-11	1.03E-10	2.17E-07
7	West Lead	482333.91, 3852563.62	1.23E-03	5.60E-05	1.03E-05	9.26E-05	1.21E-04	3.28E-03	2.49E-12	4.80E-14	1.03E-08	2.49E-07	1.11E-17	5.09E-11	4.65E-09	6.39E-07
8	West Lead	482571.29, 3852799.74	7.79E-04	5.80E-05	8.68E-06	6.20E-05	8.37E-05	2.35E-03	4.84E-13	2.89E-13	1.14E-09	1.91E-07	1.81E-17	5.22E-11	4.03E-09	4.89E-07
9	BIG Rail Yard	483727.7, 3854221	5.22E-03	6.72E-05	7.44E-05	5.53E-04	8.02E-04	2.21E-02	4.43E-12	5.72E-13	1.79E-08	2.76E-06	2.46E-17	5.71E-11	4.47E-08	7.07E-06
10	BIG Rail Yard	484074.19, 3854569.8	3.99E-03	4.70E-05	6.59E-05	5.18E-04	6.30E-04	2.11E-02	2.57E-12	3.94E-13	1.85E-08	3.34E-06	5.73E-17	5.71E-11	6.91E-09	8.56E-06
11	BIG Rail Yard	485205.11, 3855238.89	3.62E-03	3.85E-05	4.77E-05	3.93E-04	4.66E-04	1.52E-02	3.63E-12	2.75E-13	1.06E-08	2.18E-06	5.67E-16	7.22E-11	1.73E-09	5.49E-06
12	BIG Rail Yard	485255.11, 3855338.89	5.72E-03	5.67E-05	7.28E-05	6.09E-04	7.27E-04	2.35E-02	3.91E-12	3.08E-13	1.91E-08	3.38E-06	9.55E-16	7.31E-11	4.98E-09	8.47E-06
13	BIG Rail Yard	486023.61, 3854936.51	3.56E-04	2.56E-06	2.94E-06	2.93E-05	3.75E-05	1.01E-03	1.51E-12	1.58E-13	5.71E-09	1.15E-06	1.12E-16	8.38E-11	2.37E-09	2.93E-06
14	BIG Rail Yard	486533.18, 3856193.15	2.83E-03	4.01E-05	4.49E-05	3.51E-04	4.30E-04	1.41E-02	2.77E-12	2.71E-13	7.70E-09	2.17E-06	2.56E-16	1.66E-10	3.34E-09	5.50E-06
15	BIG Rail Yard	486809.46, 3856515.28	3.35E-03	5.13E-05	5.51E-05	4.34E-04	5.27E-04	1.75E-02	3.70E-12	4.42E-13	1.15E-08	2.78E-06	2.06E-16	1.63E-10	3.19E-09	7.09E-06
16	Solar Farm	487951.04, 3857011.26	5.44E-03	5.45E-05	1.02E-04	6.44E-04	1.14E-03	2.42E-02	1.48E-11	5.90E-13	3.58E-08	2.59E-06	1.38E-16	4.25E-09	1.17E-08	6.62E-06
17	East Lead	488467.32, 3858009.41	1.40E-03	1.85E-05	2.05E-05	1.63E-04	2.22E-04	6.15E-03	1.35E-11	3.08E-13	3.21E-09	7.19E-07	9.45E-17	3.43E-10	1.01E-08	1.83E-06
18	East Lead	488769.93, 3858449.27	1.35E-03	2.14E-05	1.94E-05	1.51E-04	2.07E-04	5.73E-03	5.81E-12	2.92E-13	7.76E-09	7.16E-07	7.86E-17	4.26E-10	3.46E-09	1.83E-06
19	East Lead	488662.63, 3858492.85	2.11E-03	2.89E-05	3.66E-05	2.56E-04	3.93E-04	9.93E-03	3.21E-12	4.12E-13	1.37E-08	1.31E-06	6.26E-17	1.11E-09	5.99E-09	3.36E-06
20	East Lead	488870.84, 3858666.64	2.58E-03	3.17E-05	4.75E-05	3.18E-04	5.09E-04	1.23E-02	4.01E-12	4.29E-13	1.75E-08	1.56E-06	5.88E-17	1.75E-09	4.51E-09	4.00E-06
21	East Lead	489385.89, 3858976.54	2.05E-02	9.88E-05	3.99E-04	2.19E-03	4.65E-03	8.27E-02	1.37E-10	3.85E-13	2.94E-08	1.46E-06	6.31E-17	3.94E-09	3.59E-09	3.73E-06
22	East Lead	489422.4, 3859092.58	1.91E-02	9.63E-05	2.53E-04	2.00E-03	2.54E-03	8.45E-02	2.65E-10	3.96E-13	4.31E-08	1.80E-06	5.07E-17	6.34E-09	3.81E-09	4.62E-06
23	East Lead	489488.17, 3859571.48	2.21E-02	7.94E-05	4.37E-04	2.19E-03	5.30E-03	7.06E-02	5.99E-11	3.87E-13	6.60E-07	1.56E-06	3.38E-17	1.13E-07	1.74E-09	4.01E-06
24	East Lead	489813.71, 3860900.05	2.76E-03	2.51E-05	5.61E-05	3.28E-04	6.26E-04	1.18E-02	9.66E-12	1.15E-13	2.84E-08	1.16E-06	3.29E-17	4.37E-09	1.72E-09	2.98E-06
25	East Lead	490211.24, 3859766.13	1.18E-02	5.67E-05	2.42E-04	1.24E-03	2.90E-03	4.08E-02	4.13E-11	2.89E-13	2.54E-07	1.55E-06	4.02E-17	4.31E-08	1.94E-09	3.98E-06
26	East Lead	490327.07, 3859530.42	2.17E-02	8.01E-05	4.42E-04	2.17E-03	5.39E-03	6.87E-02	7.17E-11	3.19E-13	5.64E-07	1.24E-06	5.25E-17	9.62E-08	2.38E-09	3.18E-06
27	33kV Line	493330.5, 3860543.11	1.99E-03	1.46E-05	3.96E-05	2.00E-04	4.78E-04	6.50E-03	6.56E-12	3.50E-14	4.13E-08	1.81E-07	3.68E-17	7.03E-09	7.60E-10	4.59E-07
28	33kV Line	494911.06, 3859501.99	1.09E-03	9.73E-06	2.08E-05	1.34E-04	2.21E-04	5.11E-03	3.07E-12	8.96E-14	7.69E-09	6.11E-07	3.73E-17	1.12E-09	1.07E-09	1.56E-06
29	33kV Line	495211.06, 3859101.99	5.54E-04	5.99E-06	9.93E-06	6.43E-05	1.08E-04	2.38E-03	1.48E-12	4.91E-14	4.20E-09	2.67E-07	1.87E-17	4.61E-10	3.81E-10	6.81E-07
30	Existing Barstow Rai	496363.09, 3861377.25	1.77E-03	1.45E-05	3.63E-05	2.10E-04	4.05E-04	7.57E-03	5.45E-12	1.24E-13	2.00E-08	7.15E-07	1.46E-17	3.15E-09	5.39E-10	1.83E-06
Student	**BIG Component**	**X, Y**														
S-1	East Lead	490069.73, 3859305.34	3.42E-02	1.09E-04	6.27E-04	3.26E-03	7.60E-03	1.04E-01	1.41E-10	2.97E-13	1.17E-06	1.01E-06	5.81E-17	2.00E-07	2.75E-09	2.58E-06
Worker/Pl	**BIG Component**	**X, Y**														
W-1	East Lead	489615.05, 3859219.43	8.26E-02	3.09E-04	1.83E-03	8.81E-03	2.23E-02	2.82E-01	5.88E-10	3.78E-13	2.37E-07	1.77E-06	5.07E-17	3.98E-08	3.48E-09	4.54E-06
W-2	East Lead	489795.41, 3859349.72	1.07E-01	2.94E-04	1.95E-03	9.80E-03	2.40E-02	3.03E-01	2.24E-10	3.59E-13	4.77E-06	1.76E-06	4.90E-17	8.21E-07	3.21E-09	4.50E-06
W-3	East Lead	490161.89, 3859541.83	2.17E-02	8.21E-05	4.17E-04	2.13E-03	5.04E-03	6.90E-02	6.80E-11	3.40E-13	6.74E-07	1.59E-06	5.08E-17	1.15E-07	2.49E-09	4.07E-06
Park	**BIG Component**	**X, Y**														
P-1	East Lead	490429.25, 3859815.26	1.28E-02	5.99E-05	2.65E-04	1.34E-03	3.18E-03	4.38E-02	4.51E-11	2.81E-13	2.53E-07	1.60E-06	4.41E-17	4.28E-08	2.33E-09	

	Nearby		Mitigated (per million)												
Residential	BIG Component	X, Y	ARSENIC	BERYLLIUM	CADMIUM	COBALT	LEAD	NICKEL	BENZENE	CHLOROFORM	NAPHTHALENE	ETHYLBENZENE	METHYLENE CHLORIDE	BENZO(A)PYRENE	ENZO(B)FLUORANTHEN	ETHYLHEXYL)PHTHA
1	West Lead	474863.09, 3848377.25	3.51E-05	2.45E-07	5.53E-07	3.86E-06	5.26E-06	1.47E-04	4.60E-14	2.26E-15	1.15E-10	1.76E-08	1.54E-18	1.14E-11	2.99E-11	4.49E-08
2	West Lead	474863.09, 3848877.25	5.49E-05	3.71E-07	9.49E-07	6.20E-06	9.45E-06	2.31E-04	1.13E-13	2.79E-15	2.75E-10	2.48E-08	1.03E-18	3.32E-11	3.30E-11	6.33E-08
3	West Lead	478676.63, 3850271.93	6.60E-05	4.44E-07	9.81E-07	7.02E-06	8.31E-06	2.67E-04	6.91E-14	6.16E-15	1.69E-10	2.98E-08	2.95E-18	1.01E-11	1.47E-11	7.63E-08
4	West Lead	478776.63, 3850171.93	6.54E-05	4.56E-07	1.01E-06	7.06E-06	8.45E-06	2.75E-04	5.95E-14	5.24E-15	1.46E-10	3.18E-08	3.02E-18	9.42E-12	1.39E-11	8.15E-08
5	West Lead	479026.63, 3850221.93	5.45E-04	6.52E-06	1.20E-05	8.85E-05	1.05E-04	3.74E-03	5.76E-14	4.21E-15	1.59E-10	6.57E-07	3.64E-18	1.06E-11	1.44E-11	1.68E-06
6	West Lead	480327.18, 3851037.04	1.16E-04	7.05E-07	1.42E-06	1.17E-05	1.42E-05	4.13E-04	8.61E-13	1.30E-13	3.01E-10	3.31E-08	1.11E-17	1.27E-11	2.99E-11	8.47E-08
7	West Lead	482333.91, 3852563.62	4.33E-04	2.00E-06	3.61E-06	3.32E-05	4.26E-05	1.17E-03	9.70E-13	1.39E-14	3.98E-09	9.73E-08	3.92E-18	1.48E-11	1.35E-09	2.49E-07
8	West Lead	482571.29, 3852799.74	2.52E-04	1.46E-06	2.94E-06	2.10E-05	2.81E-05	8.02E-04	1.89E-13	8.40E-14	4.14E-10	7.44E-08	6.61E-18	1.52E-11	1.17E-09	1.91E-07
9	BIG Rail Yard	483727.7, 3854221	1.82E-03	1.37E-05	2.68E-05	2.02E-04	2.81E-04	8.10E-03	1.73E-12	1.66E-13	6.93E-09	1.08E-06	8.23E-18	1.66E-11	1.30E-08	2.76E-06
10	BIG Rail Yard	484074.19, 3854569.8	1.50E-03	1.39E-05	2.52E-05	1.99E-04	2.39E-04	8.10E-03	1.00E-12	1.14E-13	7.17E-09	1.30E-06	1.73E-17	1.66E-11	2.01E-09	3.34E-06
11	BIG Rail Yard	485205.11, 3855238.89	1.27E-03	9.43E-06	1.78E-05	1.46E-04	1.73E-04	5.70E-03	1.41E-12	8.00E-14	4.09E-09	8.47E-07	1.66E-16	2.10E-11	5.04E-10	2.14E-06
12	BIG Rail Yard	485255.11, 3855338.89	2.01E-03	1.45E-05	2.72E-05	2.25E-04	2.68E-04	8.80E-03	1.52E-12	8.96E-14	7.39E-09	1.31E-06	2.79E-16	2.12E-11	1.45E-09	3.30E-06
13	BIG Rail Yard	486023.61, 3854936.51	1.37E-04	6.17E-07	1.14E-06	1.13E-05	1.45E-05	3.92E-04	5.89E-13	4.58E-14	2.18E-09	4.49E-07	3.32E-17	2.44E-11	6.89E-10	1.14E-06
14	BIG Rail Yard	486533.18, 3856193.15	1.03E-03	9.08E-06	1.70E-05	1.33E-04	1.62E-04	5.35E-03	1.08E-12	7.87E-14	2.91E-09	8.43E-07	7.57E-17	4.84E-11	9.72E-10	2.15E-06
15	BIG Rail Yard	486809.46, 3856515.28	1.24E-03	1.15E-05	2.11E-05	1.66E-04	2.01E-04	6.72E-03	1.44E-12	1.28E-13	4.38E-09	1.08E-06	6.21E-17	4.75E-11	9.27E-10	2.77E-06
16	Solar Farm	487951.04, 3857011.26	2.05E-03	1.46E-05	3.95E-05	2.47E-04	4.37E-04	9.32E-03	5.78E-12	1.71E-13	1.15E-08	1.01E-06	4.35E-17	1.23E-09	3.40E-09	2.58E-06
17	East Lead	488467.32, 3858009.41	5.16E-04	4.34E-06	7.78E-06	6.18E-05	8.15E-05	2.34E-03	5.26E-12	8.96E-14	1.05E-09	2.80E-07	3.19E-17	9.98E-11	2.93E-09	7.15E-07
18	East Lead	488769.93, 3858449.27	5.01E-04	3.77E-06	7.44E-06	5.75E-05	7.82E-05	2.19E-03	2.27E-12	8.49E-14	2.78E-09	2.79E-07	2.65E-17	1.24E-10	1.01E-09	7.12E-07
19	East Lead	488662.63, 3858492.85	7.94E-04	6.31E-06	1.41E-05	9.81E-05	1.50E-04	3.82E-03	1.25E-12	1.20E-13	4.69E-09	5.12E-07	2.19E-17	3.23E-10	1.74E-09	1.31E-06
20	East Lead	488870.84, 3858666.64	9.78E-04	7.68E-06	1.84E-05	1.22E-04	1.95E-04	4.74E-03	1.56E-12	1.25E-13	5.80E-09	6.08E-07	2.05E-17	5.10E-10	1.31E-09	1.56E-06
21	East Lead	489385.89, 3858976.54	7.95E-03	4.20E-05	1.55E-04	8.51E-04	1.81E-03	3.22E-02	5.33E-11	1.12E-13	9.20E-09	5.68E-07	2.12E-17	1.15E-09	1.04E-09	1.45E-06
22	East Lead	489422.4, 3859092.58	7.41E-03	4.83E-05	9.82E-05	7.78E-04	9.85E-04	3.29E-02	1.03E-10	1.15E-13	1.32E-08	7.04E-07	1.73E-17	1.84E-09	1.11E-09	1.80E-06
23	East Lead	489488.17, 3859571.48	8.08E-03	3.21E-05	1.67E-04	8.20E-04	2.04E-03	2.65E-02	2.34E-11	1.12E-13	1.93E-07	6.10E-07	1.27E-17	3.27E-08	5.06E-10	1.56E-06
24	East Lead	489813.71, 3860900.05	1.04E-03	7.11E-06	2.17E-05	1.26E-04	2.41E-04	4.53E-03	3.77E-12	3.36E-14	8.55E-09	4.54E-07	1.15E-17	1.27E-09	4.99E-10	1.16E-06
25	East Lead	490211.24, 3859766.13	4.40E-03	2.05E-05	9.33E-05	4.69E-04	1.12E-03	1.55E-02	1.61E-11	8.42E-14	7.41E-08	6.06E-07	1.37E-17	1.25E-08	5.64E-10	1.55E-06
26	East Lead	490327.07, 3859530.42	8.01E-03	3.20E-05	1.70E-04	8.17E-04	2.07E-03	2.59E-02	2.80E-11	9.27E-14	1.65E-07	4.84E-07	1.74E-17	2.80E-08	6.91E-10	1.24E-06
27	33kV Line	493330.5, 3860543.11	7.32E-04	3.18E-06	1.52E-05	7.52E-05	1.84E-04	2.45E-03	2.56E-12	1.02E-14	1.20E-08	7.03E-08	1.26E-17	2.04E-09	2.21E-10	1.79E-07
28	33kV Line	494911.06, 3859501.99	4.07E-04	3.14E-06	8.01E-06	5.14E-05	8.50E-05	1.96E-03	1.20E-12	2.61E-14	2.36E-09	2.38E-07	1.13E-17	3.25E-10	3.10E-10	6.08E-07
29	33kV Line	495211.06, 3859101.99	2.08E-04	1.46E-06	3.83E-06	2.46E-05	4.17E-05	9.15E-04	5.77E-13	1.43E-14	1.37E-09	1.04E-07	5.68E-18	1.34E-10	1.11E-10	2.66E-07
30	Existing Barstow Rai	496363.09, 3861377.25	6.69E-04	4.47E-06	1.41E-05	8.05E-05	1.56E-04	2.91E-03	2.13E-12	3.60E-14	5.99E-09	2.79E-07	5.45E-18	9.16E-10	1.57E-10	7.15E-07
Student	**BIG Component**	**X, Y**														
S-1	East Lead	490069.73, 3859305.34	1.24E-02	4.70E-05	2.39E-04	1.21E-03	2.91E-03	3.88E-02	5.52E-11	8.62E-14	3.40E-07	3.94E-07	1.94E-17	5.81E-08	8.01E-10	1.01E-06
Worker/Pl	**BIG Component**	**X, Y**														
W-1	East Lead	489615.05, 3859219.43	3.20E-02	1.50E-04	7.14E-04	3.42E-03	8.68E-03	1.10E-01	2.29E-10	1.10E-13	6.96E-08	6.91E-07	1.70E-17	1.16E-08	1.01E-09	1.77E-06
W-2	East Lead	489795.41, 3859349.72	3.78E-02	1.20E-04	7.40E-04	3.58E-03	9.12E-03	1.11E-01	8.72E-11	1.04E-13	1.39E-06	6.85E-07	1.63E-17	2.39E-07	9.35E-10	1.76E-06
W-3	East Lead	490161.89, 3859541.83	7.89E-03	3.18E-05	1.60E-04	7.97E-04	1.93E-03	2.58E-02	2.65E-11	9.88E-14	1.96E-07	6.20E-07	1.67E-17	3.35E-08	7.25E-10	1.59E-06
Park	**BIG Component**	**X, Y**														
P-1	East Lead	490429.25, 3859815.26	4.76E-03	2.21E-05	1.02E-04	5.08E-04	1.23E-03	1.67E-02	1.76E-11	8.16E-14	7.39E-08	6.23E-07	1.45E-17	1.24E-08	6.78E-10	1.60E-06

	Nearby		Unmitigated (per million)												
Residential	**BIG Component**	**X, Y**	ARSENIC	BERYLLIUM	CADMIUM	COBALT	LEAD	NICKEL	BENZENE	CHLOROFORM	NAPHTHALENE	ETHYLBENZENE	ETHYLENE CHLORI	BENZO(A)PYRENE	ZO(B)FLUORANTH	THYLHEXYL)PHT
1	West Lead	474863.09, 3848377.25	2.72E-03	4.54E-07	2.44E-07	1.72E-06	2.29E-06	7.09E-04	1.59E-12	2.91E-11	5.75E-11	6.76E-09	1.60E-10	6.56E-12	1.72E-11	1.72E-08
2	West Lead	474863.09, 3848877.25	4.26E-03	2.99E-07	4.28E-07	2.82E-06	4.20E-06	1.16E-03	3.79E-12	3.60E-11	1.46E-10	1.06E-08	1.06E-10	1.90E-11	1.89E-11	2.71E-08
3	West Lead	478676.63, 3850271.93	5.46E-03	4.13E-07	5.25E-07	3.79E-06	4.29E-06	1.59E-03	2.14E-12	6.87E-11	7.31E-11	1.56E-08	2.59E-10	5.43E-12	8.08E-12	3.99E-08
4	West Lead	478776.63, 3850171.93	5.46E-03	3.47E-07	4.95E-07	3.51E-06	4.11E-06	1.52E-03	1.84E-12	5.81E-11	7.64E-11	1.58E-08	2.63E-10	4.93E-12	7.53E-12	4.05E-08
5	West Lead	479026.63, 3850221.93	4.19E-02	2.96E-06	5.19E-06	3.82E-05	4.52E-05	1.79E-02	2.09E-12	5.78E-11	8.25E-11	2.81E-07	3.12E-10	5.46E-12	9.01E-12	7.20E-07
6	West Lead	480327.18, 3851037.04	9.25E-03	5.74E-07	6.40E-07	5.31E-06	6.28E-06	2.06E-03	2.98E-11	1.68E-09	1.37E-10	1.28E-08	9.44E-10	6.80E-12	1.55E-11	3.28E-08
7	West Lead	482333.91, 3852563.62	3.66E-02	9.34E-06	1.73E-06	1.55E-05	2.03E-05	6.08E-03	3.38E-11	1.75E-10	1.72E-09	4.16E-08	3.92E-10	9.52E-12	7.74E-10	1.06E-07
8	West Lead	482571.29, 3852799.74	2.65E-02	9.74E-06	1.67E-06	1.17E-05	1.53E-05	4.90E-03	6.74E-12	1.08E-09	1.95E-10	3.18E-08	5.93E-10	9.63E-12	6.71E-10	8.14E-08
9	BIG Rail Yard	483727.7, 3854221	1.39E-01	9.69E-06	1.09E-05	8.07E-05	1.19E-04	3.58E-02	5.13E-11	2.14E-09	2.55E-09	3.86E-07	7.60E-10	8.66E-12	7.45E-09	9.90E-07
10	BIG Rail Yard	484074.19, 3854569.8	1.11E-01	6.54E-06	9.64E-06	7.35E-05	8.89E-05	3.29E-02	4.91E-11	1.26E-09	2.32E-09	4.18E-07	1.72E-09	8.85E-12	1.12E-09	1.07E-06
11	BIG Rail Yard	485205.11, 3855238.89	1.22E-01	6.59E-06	8.72E-06	7.19E-05	8.47E-05	3.07E-02	4.90E-11	1.12E-09	1.90E-09	3.82E-07	2.28E-08	1.35E-11	2.61E-10	9.56E-07
12	BIG Rail Yard	485255.11, 3855338.89	1.88E-01	1.09E-05	1.48E-05	1.20E-04	1.43E-04	5.27E-02	4.26E-11	1.19E-09	3.47E-09	7.08E-07	2.68E-08	1.30E-11	7.13E-10	1.79E-06
13	BIG Rail Yard	486023.61, 3854936.51	2.64E-02	2.22E-06	2.76E-06	1.91E-05	2.81E-05	8.29E-03	1.80E-11	6.25E-10	9.98E-10	1.93E-07	6.29E-09	1.71E-11	3.71E-10	4.89E-07
14	BIG Rail Yard	486533.18, 3856193.15	8.05E-02	6.65E-06	7.40E-06	5.75E-05	7.02E-05	2.57E-02	3.70E-11	1.02E-09	1.11E-09	3.60E-07	7.57E-09	2.57E-11	4.88E-10	9.17E-07
15	BIG Rail Yard	486809.46, 3856515.28	9.33E-02	8.28E-06	8.70E-06	6.82E-05	8.30E-05	3.06E-02	4.31E-11	1.44E-09	1.66E-09	4.39E-07	6.66E-09	2.63E-11	5.31E-10	1.12E-06
16	Solar Farm	487951.04, 3857011.26	1.49E-01	8.44E-06	1.59E-05	9.81E-05	1.78E-04	4.07E-02	1.94E-10	1.82E-09	5.70E-09	3.70E-07	4.21E-09	7.08E-10	1.67E-09	9.46E-07
17	East Lead	488467.32, 3858009.41	4.04E-02	2.85E-06	3.38E-06	2.68E-05	3.60E-05	1.13E-02	1.79E-10	1.12E-09	5.32E-10	1.20E-07	2.65E-09	5.66E-11	1.44E-09	3.06E-07
18	East Lead	488769.93, 3858449.27	3.85E-02	3.14E-06	3.24E-06	2.39E-05	3.51E-05	9.93E-03	7.50E-11	9.39E-10	1.38E-09	1.02E-07	2.20E-09	1.07E-10	4.94E-10	2.61E-07
19	East Lead	488662.63, 3858492.85	5.59E-02	4.17E-06	5.41E-06	3.76E-05	5.80E-05	1.62E-02	4.16E-11	1.32E-09	2.02E-09	1.88E-07	1.75E-09	1.70E-10	8.56E-10	4.80E-07
20	East Lead	488870.84, 3858666.64	6.97E-02	4.61E-06	7.11E-06	4.75E-05	7.62E-05	2.03E-02	6.45E-11	1.38E-09	2.61E-09	2.23E-07	1.65E-09	2.70E-10	7.05E-10	5.71E-07
21	East Lead	489385.89, 3858976.54	6.07E-01	1.60E-05	6.61E-05	3.63E-04	7.71E-04	1.52E-01	1.91E-09	1.24E-09	4.75E-09	2.08E-07	1.77E-09	6.57E-10	5.13E-10	5.33E-07
22	East Lead	489422.4, 3859092.58	7.68E-01	1.83E-05	5.07E-05	4.46E-04	4.85E-04	1.92E-01	7.03E-09	1.27E-09	7.94E-09	2.58E-07	1.42E-09	1.21E-09	6.19E-10	6.60E-07
23	East Lead	489488.17, 3859571.48	5.68E-01	1.18E-05	6.36E-05	3.18E-04	7.71E-04	1.15E-01	6.10E-10	1.45E-09	9.45E-08	2.60E-07	9.73E-10	1.61E-08	2.48E-10	6.68E-07
24	East Lead	489813.71, 3860900.05	6.79E-02	3.73E-06	7.52E-06	4.54E-05	8.28E-05	1.83E-02	1.30E-10	3.71E-10	3.60E-09	1.66E-07	9.85E-10	5.46E-10	2.59E-10	4.26E-07
25	East Lead	490211.24, 3859766.13	3.07E-01	8.20E-06	3.49E-05	1.80E-04	4.16E-04	6.59E-02	5.57E-10	1.02E-09	3.63E-08	2.22E-07	1.12E-09	6.15E-09	3.11E-10	5.69E-07
26	East Lead	490327.07, 3859530.42	5.46E-01	1.15E-05	6.30E-05	3.08E-04	7.69E-04	1.09E-01	8.30E-10	1.02E-09	7.41E-08	1.77E-07	1.47E-09	1.26E-08	3.39E-10	4.54E-07
27	33kV Line	493330.5, 3860543.11	5.13E-02	2.31E-06	5.74E-06	2.92E-05	6.91E-05	1.06E-02	7.59E-11	1.31E-10	5.91E-09	3.01E-08	1.03E-09	1.00E-09	1.19E-10	7.66E-08
28	33kV Line	494911.06, 3859501.99	2.76E-02	1.44E-06	2.87E-06	1.90E-05	3.02E-05	8.10E-03	3.68E-11	3.08E-10	1.26E-09	8.72E-08	1.07E-09	1.88E-10	1.58E-10	2.23E-07
29	33kV Line	495211.06, 3859101.99	1.55E-02	9.76E-07	1.49E-06	1.00E-05	1.58E-05	4.18E-03	1.54E-11	1.84E-10	9.12E-10	4.45E-08	6.03E-10	1.13E-10	6.35E-11	1.14E-07
30	Existing Barstow Rai	496363.09, 3861377.25	4.76E-02	2.24E-06	5.49E-06	3.23E-05	6.06E-05	1.31E-02	6.33E-11	4.62E-10	2.90E-09	1.19E-07	4.08E-10	4.50E-10	7.70E-11	3.06E-07
Student	**BIG Component**	**X, Y**														
S-1	East Lead	490069.73, 3859305.34	1.07E+00	1.88E-05	1.15E-04	5.77E-04	1.40E-03	2.01E-01	1.91E-09	9.53E-10	1.94E-07	1.44E-07	1.63E-09	3.33E-08	3.93E-10	3.69E-07
Worker/Pla	**BIG Component**	**X, Y**														
W-1	East Lead	489615.05, 3859219.43	2.83E+00	5.80E-05	3.62E-04	1.70E-03	4.43E-03	5.91E-01	9.06E-09	1.22E-09	3.94E-08	2.53E-07	1.42E-09	6.64E-09	5.66E-10	6.48E-07
W-2	East Lead	489795.41, 3859349.72	2.94E+00	4.40E-05	2.92E-04	1.49E-03	3.57E-03	5.15E-01	2.66E-09	1.15E-09	7.96E-07	2.51E-07	1.37E-09	1.37E-07	5.22E-10	6.43E-07
W-3	East Lead	490161.89, 3859541.83	5.78E-01	1.23E-05	6.31E-05	3.22E-04	7.63E-04	1.15E-01	9.18E-10	1.09E-09	9.63E-08	2.27E-07	1.42E-09	1.64E-08	4.04E-10	5.82E-07
Park	**BIG Component**	**X, Y**														
P-1	East Lead	490429.25, 3859815.26	3.69E-01	9.34E-06	4.34E-05	2.16E-04	5.23E-04	7.83E-02	5.66E-10	9.03E-10	4.20E-08	2.28E-07	1.24E-09	7.13E-09	3.77E-10	5.85E-07

	Nearby		Mitigated (per million)												
Residential	**BIG Component**	**X, Y**	ARSENIC	BERYLLIUM	CADMIUM	COBALT	LEAD	NICKEL	BENZENE	CHLOROFORM	NAPHTHALENE	ETHYLBENZENE	ETHYLENE CHLORI	BENZO(A)PYRENE	ZO(B)FLUORANTH	THYLHEXYL)PHT
1	West Lead	474863.09, 3848377.25	1.02E-03	3.84E-08	8.81E-08	6.15E-07	8.36E-07	2.57E-04	6.21E-13	8.47E-12	1.86E-11	2.63E-09	4.92E-11	1.91E-12	4.99E-12	6.70E-09
2	West Lead	474863.09, 3848877.25	1.62E-03	6.18E-08	1.58E-07	1.03E-06	1.57E-06	4.28E-04	1.48E-12	1.05E-11	4.58E-11	4.13E-09	3.32E-11	5.54E-12	5.49E-12	1.06E-08
3	West Lead	478676.63, 3850271.93	2.14E-03	8.57E-08	1.85E-07	1.34E-06	1.55E-06	5.68E-04	8.34E-13	2.00E-11	2.54E-11	6.08E-09	9.62E-11	1.58E-12	2.35E-12	1.56E-08
4	West Lead	478776.63, 3850171.93	1.99E-03	8.25E-08	1.77E-07	1.26E-06	1.50E-06	5.49E-04	7.19E-13	1.69E-11	2.69E-11	6.16E-09	9.86E-11	1.43E-12	2.19E-12	1.58E-08
5	West Lead	479026.63, 3850221.93	1.62E-02	1.09E-06	2.01E-06	1.48E-05	1.75E-05	6.93E-03	8.16E-13	1.68E-11	2.90E-11	1.09E-07	1.18E-10	1.59E-12	2.62E-12	2.81E-07
6	West Lead	480327.18, 3851037.04	3.36E-03	1.12E-07	2.26E-07	1.88E-06	2.28E-06	7.31E-04	1.16E-11	4.89E-10	4.94E-11	5.00E-09	3.63E-10	1.98E-12	4.49E-12	1.28E-08
7	West Lead	482333.91, 3852563.62	1.29E-02	3.35E-07	6.04E-07	5.55E-06	7.13E-06	2.18E-03	1.32E-11	5.09E-11	6.65E-10	1.62E-08	1.41E-10	2.77E-12	2.25E-10	4.15E-08
8	West Lead	482571.29, 3852799.74	8.48E-03	2.64E-07	5.58E-07	3.89E-06	5.08E-06	1.65E-03	2.63E-12	3.15E-10	7.06E-11	1.24E-08	2.18E-10	2.80E-12	1.95E-10	3.18E-08
9	BIG Rail Yard	483727.7, 3854221	4.78E-02	1.98E-06	3.90E-06	2.92E-05	4.15E-05	1.30E-02	2.00E-11	6.23E-10	9.91E-10	1.51E-07	2.51E-10	2.52E-12	2.17E-09	3.86E-07
10	BIG Rail Yard	484074.19, 3854569.8	4.01E-02	1.88E-06	3.57E-06	2.75E-05	3.30E-05	1.23E-02	1.91E-11	3.68E-10	8.99E-10	1.63E-07	5.18E-10	2.57E-12	3.25E-10	4.17E-07
11	BIG Rail Yard	485205.11, 3855238.89	4.24E-02	1.68E-06	3.22E-06	2.64E-05	3.11E-05	1.14E-02	1.91E-11	3.27E-10	7.32E-10	1.48E-07	6.66E-09	3.92E-12	7.58E-11	3.73E-07
12	BIG Rail Yard	485255.11, 3855338.89	6.71E-02	2.98E-06	5.57E-06	4.50E-05	5.32E-05	1.99E-02	1.66E-11	3.45E-10	1.35E-09	2.75E-07	7.83E-09	3.78E-12	2.07E-10	6.98E-07
13	BIG Rail Yard	486023.61, 3854936.51	1.00E-02	4.80E-07	1.07E-06	7.35E-06	1.08E-05	3.19E-03	7.03E-12	1.82E-10	3.79E-10	7.51E-08	1.85E-09	4.98E-12	1.08E-10	1.91E-07
14	BIG Rail Yard	486533.18, 3856193.15	2.94E-02	1.50E-06	2.81E-06	2.18E-05	2.65E-05	9.80E-03	1.44E-11	2.95E-10	4.19E-10	1.40E-07	2.28E-09	7.47E-12	1.42E-10	3.58E-07
15	BIG Rail Yard	486809.46, 3856515.28	3.46E-02	1.81E-06	3.33E-06	2.60E-05	3.16E-05	1.17E-02	1.68E-11	4.20E-10	6.31E-10	1.71E-07	2.00E-09	7.63E-12	1.55E-10	4.36E-07
16	Solar Farm	487951.04, 3857011.26	5.62E-02	2.18E-06	6.13E-06	3.77E-05	6.84E-05	1.56E-02	7.58E-11	5.30E-10	1.82E-09	1.44E-07	1.35E-09	2.06E-10	4.86E-10	3.69E-07
17	East Lead	488467.32, 3858009.41	1.50E-02	7.17E-07	1.29E-06	1.02E-05	1.33E-05	4.30E-03	6.98E-11	3.27E-10	1.75E-10	4.67E-08	8.93E-10	1.65E-11	4.20E-10	1.19E-07
18	East Lead	488769.93, 3858449.27	1.43E-02	5.77E-07	1.24E-06	9.08E-06	1.33E-05	3.78E-03	2.92E-11	2.73E-10	4.75E-10	3.98E-08	7.41E-10	3.10E-11	1.44E-10	1.02E-07
19	East Lead	488662.63, 3858492.85	2.10E-02	9.22E-07	2.08E-06	1.44E-05	2.21E-05	6.20E-03	1.62E-11	3.85E-10	6.90E-10	7.32E-08	6.12E-10	4.95E-11	2.49E-10	1.87E-07
20	East Lead	488870.84, 3858666.64	2.63E-02	1.14E-06	2.74E-06	1.82E-05	2.92E-05	7.79E-03	2.52E-11	4.01E-10	8.62E-10	8.69E-08	5.73E-10	7.86E-11	2.05E-10	2.23E-07
21	East Lead	489385.89, 3858976.54	2.35E-01	6.95E-06	2.57E-05	1.41E-04	3.00E-04	5.93E-02	7.43E-10	3.60E-10	1.47E-09	8.11E-08	5.94E-10	1.91E-10	1.49E-10	2.08E-07
22	East Lead	489422.4, 3859092.58	2.98E-01	1.15E-05	1.97E-05	1.73E-04	1.88E-04	7.48E-02	2.74E-09	3.70E-10	2.40E-09	1.01E-07	4.83E-10	3.53E-10	1.80E-10	2.58E-07
23	East Lead	489488.17, 3859571.48	2.08E-01	4.69E-06	2.44E-05	1.19E-04	2.96E-04	4.30E-02	2.38E-10	4.22E-10	2.76E-08	1.02E-07	3.62E-10	4.68E-09	7.22E-11	2.60E-07
24	East Lead	489813.71, 3860900.05	2.57E-02	1.01E-06	2.91E-06	1.74E-05	3.19E-05	7.02E-03	5.06E-11	1.08E-10	1.09E-09	6.49E-08	3.40E-10	1.59E-10	7.52E-11	1.66E-07
25	East Lead	490211.24, 3859766.13	1.14E-01	3.02E-06	1.34E-05	6.83E-05	1.60E-04	2.50E-02	2.17E-10	2.96E-10	1.06E-08	8.66E-08	3.84E-10	1.79E-09	9.03E-11	2.22E-07
26	East Lead	490327.07, 3859530.42	2.02E-01	4.61E-06	2.42E-05	1.17E-04	2.96E-04	4.13E-02	3.24E-10	2.98E-10	2.16E-08	6.92E-08	4.86E-10	3.67E-09	9.87E-11	1.77E-07
27	33kV Line	493330.5, 3860543.11	1.89E-02	4.72E-07	2.20E-06	1.10E-05	2.65E-05	4.00E-03	2.96E-11	3.82E-11	1.73E-09	1.17E-08	3.54E-10	2.92E-10	3.47E-11	2.99E-08
28	33kV Line	494911.06, 3859501.99	1.03E-02	4.48E-07	1.10E-06	7.25E-06	1.16E-05	3.10E-03	1.44E-11	8.97E-11	3.85E-10	3.40E-08	3.26E-10	5.47E-11	4.59E-11	8.68E-08
29	33kV Line	495211.06, 3859101.99	5.75E-03	2.30E-07	5.69E-07	3.81E-06	6.06E-06	1.60E-03	6.01E-12	5.36E-11	2.90E-10	1.73E-08	1.83E-10	3.30E-11	1.85E-11	4.43E-08
30	Existing Barstow Rai	496363.09, 3861377.25	1.80E-02	7.04E-07	2.13E-06	1.24E-05	2.34E-05	5.04E-03	2.47E-11	1.34E-10	8.71E-10	4.65E-08	1.53E-10	1.31E-10	2.24E-11	1.19E-07
Student	**BIG Component**	**X, Y**														
S-1	East Lead	490069.73, 3859305.34	4.95E-04	8.16E-06	4.40E-05	2.15E-04	5.38E-04	7.49E-02	7.44E-10	2.77E-10	5.66E-08	5.62E-08	5.43E-10	9.69E-09	1.14E-10	1.44E-07
Worker/Pla	**BIG Component**	**X, Y**														
W-1	East Lead	489615.05, 3859219.43	2.25E-04	2.84E-05	1.41E-04	6.61E-04	1.73E-03	2.30E-01	3.53E-09	3.53E-10	1.15E-08	9.87E-08	4.77E-10	1.93E-09	1.65E-10	2.53E-07
W-2	East Lead	489795.41, 3859349.72	4.45E-04	1.80E-05	1.10E-04	5.42E-04	1.36E-03	1.87E-01	1.04E-09	3.35E-10	2.31E-07	9.79E-08	4.57E-10	3.98E-08	1.52E-10	2.51E-07
W-3	East Lead	490161.89, 3859541.83	1.63E-05	4.84E-06	2.42E-05	1.20E-04	2.93E-04	4.31E-02	3.58E-10	3.18E-10	2.81E-08	8.86E-08	4.67E-10	4.78E-09	1.18E-10	2.27E-07
Park	**BIG Component**	**X, Y**														
P-1	East Lead	490429.25, 3859815.26	2.09E-05	3.48E-06	1.67E-05	8.21E-05	2.02E-04	2.97E-02	2.21E-10	2.62E-10	1.23E-08	8.91E-08	4.07E-10	2.07E-09	1.10E-10	2.28E-07

Appendix A4.2: Operations

Operations - Concentrations (Mains)

				Existing		No Project			With Project			2033			2048		
		Period	Rates (g/s):	1.57E-01	1.63E-01	1.48E-01	1.51E-01	1.43E-01	4.15E-02	4.15E-02		4.05E-02	4.05E-02		3.99E-02	3.99E-02	
		Concentration [ug/m^3] at 1 g/s		Concentration [ug/m^3]													
	X, Y	Existing/N.Ma	S.Main(SLINE2)	Existing	S.Main(100%)	2028	2033	2048	N.Main (2028)	S.Main (2028)	N+S (2028)	N.Main (2033)	S.Main (2033)	N+S (2033)	N.Main (2028)	S.Main (2028)	N+S (2048)
1	485973.61, 3854936.51	0.00803	0.01869	1.26E-03	3.05E-03	1.19E-03	1.21E-03	1.14E-03	3.33E-04	7.75E-04	1.11E-03	3.25E-04	7.57E-04	1.08E-03	3.21E-04	7.47E-04	1.07E-03
2	486023.61, 3854936.51	0.00789	0.01795	1.24E-03	2.93E-03	1.16E-03	1.19E-03	1.12E-03	3.27E-04	7.45E-04	1.07E-03	3.19E-04	7.27E-04	1.05E-03	3.15E-04	7.17E-04	1.03E-03
3	486073.61, 3854936.51	0.00778	0.01734	1.22E-03	2.83E-03	1.15E-03	1.18E-03	1.11E-03	3.23E-04	7.19E-04	1.04E-03	3.15E-04	7.02E-04	1.02E-03	3.11E-04	6.93E-04	1.00E-03
4	486123.61, 3854936.51	0.00761	0.01657	1.19E-03	2.70E-03	1.12E-03	1.15E-03	1.09E-03	3.16E-04	6.87E-04	1.00E-03	3.08E-04	6.71E-04	9.79E-04	3.04E-04	6.62E-04	9.66E-04
5	486173.61, 3854936.51	0.00754	0.01615	1.18E-03	2.64E-03	1.11E-03	1.14E-03	1.08E-03	3.13E-04	6.70E-04	9.83E-04	3.05E-04	6.54E-04	9.59E-04	3.01E-04	6.45E-04	9.46E-04
6	486223.61, 3854936.51	0.00742	0.01558	1.16E-03	2.54E-03	1.10E-03	1.12E-03	1.06E-03	3.08E-04	6.46E-04	9.54E-04	3.00E-04	6.31E-04	9.31E-04	2.96E-04	6.22E-04	9.19E-04
7	486273.61, 3854936.51	0.00732	0.0151	1.15E-03	2.46E-03	1.08E-03	1.11E-03	1.04E-03	3.04E-04	6.26E-04	9.30E-04	2.96E-04	6.11E-04	9.08E-04	2.92E-04	6.03E-04	8.96E-04
8	486323.61, 3854936.51	0.00723	0.01467	1.13E-03	2.39E-03	1.07E-03	1.09E-03	1.03E-03	3.00E-04	6.09E-04	9.09E-04	2.93E-04	5.94E-04	8.87E-04	2.89E-04	5.86E-04	8.75E-04
9	485973.61, 3854986.51	0.00823	0.01946	1.29E-03	3.18E-03	1.21E-03	1.24E-03	1.17E-03	3.41E-04	8.07E-04	1.15E-03	3.33E-04	7.88E-04	1.12E-03	3.29E-04	7.77E-04	1.11E-03
10	486023.61, 3854986.51	0.0081	0.01872	1.27E-03	3.06E-03	1.20E-03	1.22E-03	1.15E-03	3.36E-04	7.77E-04	1.11E-03	3.28E-04	7.58E-04	1.09E-03	3.24E-04	7.48E-04	1.07E-03
11	486073.61, 3854986.51	0.00795	0.01798	1.25E-03	2.93E-03	1.17E-03	1.20E-03	1.13E-03	3.30E-04	7.46E-04	1.08E-03	3.22E-04	7.28E-04	1.05E-03	3.18E-04	7.18E-04	1.04E-03
12	486123.61, 3854986.51	0.00782	0.01729	1.23E-03	2.82E-03	1.15E-03	1.18E-03	1.12E-03	3.24E-04	7.17E-04	1.04E-03	3.17E-04	7.00E-04	1.02E-03	3.12E-04	6.91E-04	1.00E-03
13	486173.61, 3854986.51	0.00772	0.01676	1.21E-03	2.74E-03	1.14E-03	1.17E-03	1.10E-03	3.20E-04	6.95E-04	1.02E-03	3.13E-04	6.79E-04	9.91E-04	3.08E-04	6.70E-04	9.78E-04
14	486223.61, 3854986.51	0.00759	0.01615	1.19E-03	2.64E-03	1.12E-03	1.15E-03	1.08E-03	3.15E-04	6.70E-04	9.85E-04	3.07E-04	6.54E-04	9.61E-04	3.03E-04	6.45E-04	9.48E-04
15	486273.61, 3854986.51	0.00745	0.01554	1.17E-03	2.54E-03	1.10E-03	1.13E-03	1.06E-03	3.09E-04	6.45E-04	9.54E-04	3.02E-04	6.29E-04	9.31E-04	2.98E-04	6.21E-04	9.18E-04
16	486323.61, 3854986.51	0.00741	0.01522	1.16E-03	2.48E-03	1.09E-03	1.12E-03	1.06E-03	3.07E-04	6.31E-04	9.39E-04	3.00E-04	6.16E-04	9.16E-04	2.96E-04	6.08E-04	9.04E-04
17	485973.61, 3855036.51	0.00844	0.0203	1.32E-03	3.31E-03	1.25E-03	1.28E-03	1.20E-03	3.50E-04	8.42E-04	1.19E-03	3.42E-04	8.22E-04	1.16E-03	3.37E-04	8.11E-04	1.15E-03
18	486023.61, 3855036.51	0.0083	0.01947	1.30E-03	3.18E-03	1.22E-03	1.25E-03	1.18E-03	3.44E-04	8.08E-04	1.15E-03	3.36E-04	7.88E-04	1.12E-03	3.32E-04	7.78E-04	1.11E-03
19	486073.61, 3855036.51	0.00813	0.01863	1.27E-03	3.04E-03	1.20E-03	1.23E-03	1.16E-03	3.37E-04	7.73E-04	1.11E-03	3.29E-04	7.54E-04	1.08E-03	3.25E-04	7.44E-04	1.07E-03
20	486123.61, 3855036.51	0.00799	0.01791	1.25E-03	2.92E-03	1.18E-03	1.21E-03	1.14E-03	3.31E-04	7.43E-04	1.07E-03	3.23E-04	7.25E-04	1.05E-03	3.19E-04	7.15E-04	1.03E-03
21	486173.61, 3855036.51	0.0079	0.01736	1.24E-03	2.83E-03	1.17E-03	1.19E-03	1.13E-03	3.28E-04	7.20E-04	1.05E-03	3.20E-04	7.03E-04	1.02E-03	3.16E-04	6.93E-04	1.01E-03
22	486223.61, 3855036.51	0.00775	0.01666	1.21E-03	2.72E-03	1.14E-03	1.17E-03	1.11E-03	3.22E-04	6.91E-04	1.01E-03	3.14E-04	6.74E-04	9.88E-04	3.10E-04	6.66E-04	9.75E-04
23	486273.61, 3855036.51	0.00767	0.01621	1.20E-03	2.65E-03	1.13E-03	1.16E-03	1.09E-03	3.18E-04	6.73E-04	9.91E-04	3.11E-04	6.56E-04	9.67E-04	3.06E-04	6.48E-04	9.54E-04
24	486323.61, 3855036.51	0.00755	0.01566	1.18E-03	2.56E-03	1.11E-03	1.14E-03	1.08E-03	3.13E-04	6.50E-04	9.63E-04	3.06E-04	6.34E-04	9.40E-04	3.02E-04	6.26E-04	9.27E-04
25	485973.61, 3855086.51	0.00865	0.02113	1.36E-03	3.45E-03	1.28E-03	1.31E-03	1.23E-03	3.59E-04	8.77E-04	1.24E-03	3.50E-04	8.55E-04	1.21E-03	3.46E-04	8.44E-04	1.19E-03
26	486023.61, 3855086.51	0.00852	0.0203	1.33E-03	3.31E-03	1.26E-03	1.29E-03	1.21E-03	3.53E-04	8.42E-04	1.20E-03	3.45E-04	8.22E-04	1.17E-03	3.40E-04	8.11E-04	1.15E-03
27	486073.61, 3855086.51	0.00834	0.01938	1.31E-03	3.16E-03	1.23E-03	1.26E-03	1.19E-03	3.46E-04	8.04E-04	1.15E-03	3.38E-04	7.85E-04	1.12E-03	3.33E-04	7.74E-04	1.11E-03
28	486123.61, 3855086.51	0.00822	0.01869	1.29E-03	3.05E-03	1.21E-03	1.24E-03	1.17E-03	3.41E-04	7.75E-04	1.12E-03	3.33E-04	7.57E-04	1.09E-03	3.28E-04	7.47E-04	1.07E-03
29	486173.61, 3855086.51	0.00806	0.01792	1.26E-03	2.93E-03	1.19E-03	1.22E-03	1.15E-03	3.34E-04	7.43E-04	1.08E-03	3.26E-04	7.25E-04	1.05E-03	3.22E-04	7.16E-04	1.04E-03
30	486223.61, 3855086.51	0.00795	0.01731	1.25E-03	2.83E-03	1.17E-03	1.20E-03	1.13E-03	3.30E-04	7.18E-04	1.05E-03	3.22E-04	7.01E-04	1.02E-03	3.18E-04	6.91E-04	1.01E-03
31	485973.61, 3855136.51	0.00891	0.0221	1.40E-03	3.61E-03	1.32E-03	1.35E-03	1.27E-03	3.70E-04	9.17E-04	1.29E-03	3.61E-04	8.95E-04	1.26E-03	3.56E-04	8.83E-04	1.24E-03
32	486023.61, 3855136.51	0.00874	0.02114	1.37E-03	3.45E-03	1.29E-03	1.32E-03	1.25E-03	3.63E-04	8.77E-04	1.24E-03	3.54E-04	8.56E-04	1.21E-03	3.49E-04	8.44E-04	1.19E-03
33	486073.61, 3855136.51	0.00857	0.02023	1.34E-03	3.30E-03	1.26E-03	1.30E-03	1.22E-03	3.56E-04	8.39E-04	1.19E-03	3.47E-04	8.19E-04	1.17E-03	3.42E-04	8.08E-04	1.15E-03
34	486123.61, 3855136.51	0.00843	0.01942	1.32E-03	3.17E-03	1.24E-03	1.27E-03	1.20E-03	3.50E-04	8.06E-04	1.16E-03	3.41E-04	7.86E-04	1.13E-03	3.37E-04	7.76E-04	1.11E-03
35	486173.61, 3855136.51	0.00828	0.01864	1.30E-03	3.04E-03	1.22E-03	1.25E-03	1.18E-03	3.44E-04	7.73E-04	1.12E-03	3.35E-04	7.55E-04	1.09E-03	3.31E-04	7.45E-04	1.08E-03
36	486223.61, 3855136.51	0.00814	0.01794	1.28E-03	2.93E-03	1.20E-03	1.23E-03	1.16E-03	3.38E-04	7.44E-04	1.08E-03	3.30E-04	7.26E-04	1.06E-03	3.25E-04	7.17E-04	1.04E-03
37	485973.61, 3855186.51	0.00917	0.02314	1.44E-03	3.78E-03	1.35E-03	1.39E-03	1.31E-03	3.80E-04	9.60E-04	1.34E-03	3.71E-04	9.37E-04	1.31E-03	3.66E-04	9.24E-04	1.29E-03
38	486023.61, 3855186.51	0.009	0.02212	1.41E-03	3.61E-03	1.33E-03	1.36E-03	1.28E-03	3.73E-04	9.18E-04	1.29E-03	3.64E-04	8.96E-04	1.26E-03	3.60E-04	8.84E-04	1.24E-03
39	486073.61, 3855186.51	0.0088	0.02107	1.38E-03	3.44E-03	1.30E-03	1.33E-03	1.25E-03	3.65E-04	8.74E-04	1.24E-03	3.56E-04	8.53E-04	1.21E-03	3.52E-04	8.42E-04	1.19E-03
40	486123.61, 3855186.51	0.00861	0.02011	1.35E-03	3.28E-03	1.27E-03	1.30E-03	1.23E-03	3.57E-04	8.34E-04	1.19E-03	3.49E-04	8.14E-04	1.16E-03	3.44E-04	8.03E-04	1.15E-03
41	486173.61, 3855186.51	0.00846	0.01931	1.33E-03	3.15E-03	1.25E-03	1.28E-03	1.21E-03	3.51E-04	8.01E-04	1.15E-03	3.42E-04	7.82E-04	1.12E-03	3.38E-04	7.71E-04	1.11E-03
42	486223.61, 3855186.51	0.00832	0.01856	1.30E-03	3.03E-03	1.23E-03	1.26E-03	1.19E-03	3.45E-04	7.70E-04	1.12E-03	3.37E-04	7.51E-04	1.09E-03	3.32E-04	7.41E-04	1.07E-03
43	486273.61, 3855186.51	0.00817	0.01785	1.28E-03	2.91E-03	1.21E-03	1.23E-03	1.16E-03	3.39E-04	7.41E-04	1.08E-03	3.31E-04	7.23E-04	1.05E-03	3.26E-04	7.13E-04	1.04E-03
44	486323.61, 3855186.51	0.00813	0.01746	1.27E-03	2.85E-03	1.20E-03	1.23E-03	1.16E-03	3.37E-04	7.24E-04	1.06E-03	3.29E-04	7.07E-04	1.04E-03	3.25E-04	6.97E-04	1.02E-03
45	485973.61, 3855236.51	0.00943	0.02421	1.48E-03	3.95E-03	1.39E-03	1.43E-03	1.34E-03	3.91E-04	1.00E-03	1.40E-03	3.82E-04	9.80E-04	1.36E-03	3.77E-04	9.67E-04	1.34E-03
46	486023.61, 3855236.51	0.00922	0.02301	1.44E-03	3.76E-03	1.36E-03	1.39E-03	1.31E-03	3.83E-04	9.55E-04	1.34E-03	3.73E-04	9.32E-04	1.30E-03	3.68E-04	9.19E-04	1.29E-03
47	486073.61, 3855236.51	0.009	0.02187	1.41E-03	3.57E-03	1.33E-03	1.36E-03	1.28E-03	3.73E-04	9.07E-04	1.28E-03	3.64E-04	8.85E-04	1.25E-03	3.60E-04	8.74E-04	1.23E-03
48	486123.61, 3855236.51	0.00883	0.02092	1.38E-03	3.41E-03	1.30E-03	1.33E-03	1.26E-03	3.66E-04	8.68E-04	1.23E-03	3.57E-04	8.47E-04	1.20E-03	3.53E-04	8.36E-04	1.19E-03
49	486173.61, 3855236.51	0.00867	0.02005	1.36E-03	3.27E-03	1.28E-03	1.31E-03	1.24E-03	3.60E-04	8.32E-04	1.19E-03	3.51E-04	8.12E-04	1.16E-03	3.46E-04	8.01E-04	1.15E-03
50	486223.61, 3855236.51	0.00851	0.01922	1.33E-03	3.14E-03	1.26E-03	1.29E-03	1.21E-03	3.53E-04	7.97E-04	1.15E-03	3.45E-04	7.78E-04	1.12E-03	3.40E-04	7.68E-04	1.11E-03
51	486273.61, 3855236.51	0.00831	0.01832	1.30E-03	2.99E-03	1.23E-03	1.26E-03	1.18E-03	3.45E-04	7.60E-04	1.10E-03	3.36E-04	7.42E-04	1.08E-03	3.32E-04	7.32E-04	1.06E-03
52	486323.61, 3855236.51	0.00832	0.01804	1.30E-03	2.94E-03	1.23E-03	1.26E-03	1.19E-03	3.45E-04	7.48E-04	1.09E-03	3.37E-04	7.30E-04	1.07E-03	3.32E-04	7.21E-04	1.05E-03
53	485973.61, 3855286.51	0.0097	0.02535	1.52E-03	4.14E-03	1.43E-03	1.47E-03	1.38E-03	4.02E-04	1.05E-03	1.45E-03	3.93E-04	1.03E-03	1.42E-03	3.87E-04	1.01E-03	1.40E-03
54	486023.61, 3855286.51	0.00946	0.02401	1.48E-03	3.92E-03	1.40E-03	1.43E-03	1.35E-03	3.92E-04	9.96E-04	1.39E-03	3.83E-04	9.72E-04	1.36E-03	3.78E-04	9.59E-04	1.34E-03
55	486073.61, 3855286.51	0.00925	0.02283	1.45E-03	3.73E-03	1.37E-03	1.40E-03	1.32E-03	3.84E-04	9.47E-04	1.33E-03	3.74E-04	9.24E-04	1.30E-03	3.70E-04	9.12E-04	1.28E-03
56	486123.61, 3855286.51	0.00904	0.02173	1.42E-03	3.55E-03	1.33E-03	1.37E-03	1.29E-03	3.75E-04	9.02E-04	1.28E-03	3.66E-04	8.80E-04	1.25E-03	3.61E-04	8.68E-04	1.23E-03
57	486173.61, 3855286.51	0.00886	0.02074	1.39E-03	3.39E-03	1.31E-03	1.34E-03	1.26E-03	3.68E-04	8.60E-04	1.23E-03	3.59E-04	8.40E-04	1.20E-03	3.54E-04	8.28E-04	1.18E-03
58	486223.61, 3855286.51	0.00871	0.01992	1.36E-03	3.25E-03	1.29E-03	1.32E-03	1.24E-03	3.61E-04	8.26E-04	1.19E-03	3.53E-04	8.06E-04	1.16E-03	3.48E-04	7.96E-04	1.14E-03
59	486123.61, 3855336.51	0.00926	0.02259	1.45E-03	3.69E-03	1.37E-03	1.40E-03	1.32E-03	3.84E-04	9.37E-04	1.32E-03	3.75E-04	9.15E-04	1.29E-03	3.70E-04	9.02E-04	1.27E-03
60	486173.61, 3855336.51	0.00909	0.02159	1.42E-03	3.52E-03	1.34E-03	1.37E-03	1.30E-03	3.77E-04	8.96E-04	1.27E-03	3.68E-04	8.74E-04	1.24E-03	3.63E-04	8.62E-04	1.23E-03
61	486223.61, 3855336.51	0.00892	0.02065	1.40E-03	3.37E-03	1.32E-03	1.35E-03	1.27E-03	3.70E-04	8.57E-04	1.23E-03	3.61E-04	8.36E-04	1.20E-03	3.56E-04	8.25E-04	1.18E-03
62	486123.61, 3855386.51	0.00951	0.02356	1.49E-03	3.85E-03	1.40E-03	1.44E-03	1.36E-03	3.95E-04	9.77E-04	1.37E-03	3.85E-04	9.54E-04	1.34E-03	3.80E-04	9.41E-04	1.32E-03
63	486173.61, 3855386.51	0.00932	0.02247	1.46E-03	3.67E-03	1.38E-03	1.41E-03	1.33E-03	3.87E-04	9.32E-04	1.32E-03	3.77E-04	9.10E-04	1.29E-03	3.72E-04	8.98E-04	1.27E-03
64	486223.61, 3855386.51	0.00915	0.0215	1.43E-03	3.51E-03	1.35E-03	1.38E-03	1.30E-03	3.80E-04	8.92E-04	1.27E-03	3.70E-04	8.70E-04	1.24E-03	3.66E-04	8.59E-04	1.22E-03
65	486533.18, 3855443.15	0.00854	0.01778	1.34E-03	2.90E-03	1.26E-03	1.29E-03	1.22E-03	3.54E-04	7.38E-04	1.09E-03	3.46E-04	7.20E-04	1.07E-03	3.41E-04	7.10E-04	1.05E-03
66	486583.18, 3855443.15	0.0084	0.01718	1.32E-03	2.80E-03	1.24E-03	1.27E-03	1.20E-03	3.48E-04	7.13E-04	1.06E-03	3.40E-04	6.96E-04	1.04E-03	3.36E-04	6.86E-04	1.02E-03
67	486633.18, 3855443.15	0.00827	0.01661	1.30E-03	2.71E-03	1.22E-03	1.25E-03	1.18E-03	3.43E-04	6.89E-04	1.03E-03	3.35E-04	6.72E-04	1.01E-03	3.30E-04	6.64E-04	9.94E-04
68	486683.18, 3855443.15	0.00817	0.01615	1.28E-03	2.64E-03	1.21E-03	1.23E-03	1.16E-03	3.39E-04	6.70E-04	1.01E-03	3.31E-04	6.54E-04	9.85E-04	3.26E-04	6.45E-04	9.72E-04
69	486533.18, 3855493.15	0.00873	0.01835	1.37E-03	3.00E-03	1.29E-03	1.32E-03	1.24E-03	3.62E-04	7.61E-04	1.12E-03	3.53E-04	7.43E-04	1.10E-03	3.49E-04	7.33E-04	1.08E-03
70	486583.18, 3855493.15	0.00859	0.01774	1.35E-03	2.90E-03	1.27E-03	1.30E-03	1.22E-03	3.56E-04	7.36E-04	1.09E-03	3.48E-04	7.18E-04	1.07E-03	3.43E-04	7.09E-04	1.05E-03
71	486633.18, 3855493.15	0.00846	0.01714	1.33E-03	2.80E-03	1.25E-03	1.28E-03	1.21E-03	3.51E-04	7.11E-04	1.06E-03	3.42E-04	6.94E-04	1.04E-03	3.38E-04	6.85E-04	1.02E-03
72	486683.18, 3855493.15	0.00833	0.01659	1.30E-03	2.71E-03	1.23E-03	1.26E-03	1.19E-03	3.46E-04	6.88E-04	1.03E-03	3.37E-04	6.72E-04	1.01E-03	3.33E-04	6.63E-04	9.95E-04
73	486533.18, 3855543.15	0.00894	0.01901	1.40E-03	3.10E-03	1.32E-03	1.35E-03	1.27E-03	3.71E-04	7.89E-04	1.16E-03	3.62E-04	7.70E-04	1.13E-03	3.57E-04	7.59E-04	1.12E-03
74	486583.18, 3855543.15	0.00876	0.01826	1.37E-03	2.98E-03	1.29E-03	1.32E-03	1.25E-03	3.63E-04	7.58E-04	1.12E-03	3.55E-04	7.39E-04	1.09E-03	3.50E-04	7.29E-04	1.08E-03
75	486633.18, 3855543.15	0.00863	0.01765	1.35E-03	2.88E-03	1.27E-03	1.30E-03	1.23E-03	3.58E-04	7.32E-04	1.09E-03	3.49E-04	7.15E-04	1.06E-03	3.45E-04	7.05E-04	1.05E-03
76	486683.18, 3855543.15	0.00847	0.01698	1.33E-03	2.77E-03	1.25E-03	1.28E-03	1.21E-03	3.51E-04	7.04E-04	1.06E-03	3.43E-04	6.87E-04	1.03E-03	3.38E-04	6.78E-04	1.02E-03
77	486533.18, 3855593.15	0.00913	0.01965	1.43E-03	3.21E-03	1.35E-03	1.38E-03	1.30E-03	3.79E-04	8.15E-04	1.19E-03	3.70E-04	7.96E-04	1.17E-03	3.65E-04	7.85E-04	1.15E-03
78	486583.18, 3855593.15	0.00897	0.01889	1.41E-03	3.08E-03	1.32E-03	1.36E-03	1.28E-03	3.72E-04	7.84E-04	1.16E-03	3.63E-04	7.65E-04	1.13E-03	3.58E-04	7.55E-04	1.11E-03
79	486633.18, 3855593.15	0.00882	0.0182	1.38E-03	2.97E-03	1.30E-03	1.33E-03	1.26E-03	3.66E-04	7.55E-04	1.12E-03	3.57E-04	7.37E-04	1.09E-03	3.52E-04	7.27E-04	1.08E-03
80	486683.18, 3855593.15	0.00869	0.01761	1.36E-03	2.87E-03	1.28E-03	1.31E-03	1.24E-03	3.61E-04	7.31E-04	1.09E-03	3.52E-04	7.13E-04	1.06E-03	3.47E-04	7.03E-04	1.05E-03
81	486533.18, 3855643.15	0.00935	0.02037	1.46E-03	3.32E-03	1.38E-03	1.41E-03	1.33E-03	3.88E-04	8.45E-04	1.23E-03	3.79E-04	8.25E-04	1.20E-03	3.74E-04	8.14E-04	1.19E-03
82	486583.18, 3855643.15	0.00918	0.01956	1.44E-03	3.19E-03	1.35E-03	1.39E-03	1.31E-03	3.81E-04	8.12E-04	1.19E-03	3.72E-04	7.92E-04	1.16E-03	3.67E-04	7.81E-04	1.15E-03
83	486633.18, 3855643.15	0.00902	0.01883	1.41E-03	3.07E-03	1.33E-03	1.36E-03	1.29E-03	3.74E-04	7.81E-04	1.16E-03	3.65E-04	7.62E-04	1.13E-03	3.60E-04	7.52E-04	1.11E-03
84	486683.18, 3855643.15	0.00887	0.01817	1.39E-03	2.97E-03	1.31E-03	1.34E-03	1.26E-03	3.68E-04	7.54E-04	1.12E-03	3.59E-04	7.36E-04	1.09E-03	3.54E-04	7.26E-04	1.08E-03
85	486533.18, 3855693.15	0.0096	0.02123	1.50E-03	3.47E-03	1.42E-03	1.45E-03	1.37E-03	3.98E-04	8.81E-04	1.28E-03	3.89E-04	8.59E-04	1.25E-03	3.83E-04	8.48E-04	1.23E-03
86	486583.18, 3855693.15	0.00938	0.02026	1.47E-03	3.31E-03	1.38E-03	1.42E-03	1.34E-03	3.89E-04	8.41E-04	1.23E-03	3.80E-04	8.20E-04	1.20E-03	3.75E-04	8.09E-04	1.18E-03
87	486633.18, 3855693.15	0.00917	0.01936	1.44E-03	3.16E-03	1.35E-03	1.39E-03	1.31E-03	3.80E-04	8.03E-04	1.18E-03	3.71E-04	7.84E-04	1.16E-03	3.66E-04	7.73E-04	1.14E-03
88	486683.18, 3855693.15	0.00906	0.01877	1.42E-03	3.06E-03	1.34E-03	1.37E-03	1.29E-03	3.76E-04	7.79E-04	1.15E-03	3.67E-04	7.60E-04	1.13E-03	3.62E-04	7.50E-04	1.11E-03
89	486733.18, 3855693.15	0.00899	0.01832	1.41E-03	2.99E-03	1.33E-03	1.36E-03	1.28E-03	3.73E-04	7.60E-04	1.13E-03	3.64E-04	7.42E-04	1.11E-03	3.59E-04	7.32E-04	1.09E-03
90	486783.18, 3855693.15	0.00894	0.01794	1.40E-03	2.93E-03	1.32E-03	1.35E-03	1.27E-03	3.71E-04	7.44E-04	1.12E-03	3.62E-04	7.26E-04	1.09E-03	3.57E-04	7.17E-04	1.07E-03
91	486533.18, 3855743.15	0.00983	0.02213	1.54E-03	3.61E-03	1.45E-03	1.49E-03	1.40E-03	4.08E-04	9.18E-04	1.33E-03	3.98E-04	8.96E-04	1.29E-03	3.93E-04	8.84E-04	1.28E-03
92	486583.18, 3855743.15	0.00957	0.02097	1.50E-03	3.42E-03	1.41E-03	1.45E-03	1.36E-03	3.97E-04	8.70E-04	1.27E-03	3.87E-04	8.49E-04	1.24E-03	3.82E-04	8.38E-04	1.22E-03
93	486633.18, 3855743.15	0.00938	0.02009	1.47E-03	3.28E-03	1.38E-03	1.42E-03	1.34E-03	3.89E-04	8.33E-04	1.22E-03	3.80E-04	8.13E-04	1.19E-03	3.75E-04	8.03E-04	1.18E-03
94	486683.18, 3855743.15	0.00929	0.01952	1.46E-03	3.19E-03	1.37E-03	1.40E-03	1.32E-03	3.85E-04	8.10E-04	1.20E-03	3.76E-04	7.90E-04	1.17E-03	3.71E-04	7.80E-04	1.15E-03
95	486733.18, 3855743.15	0.00917	0.01891	1.44E-03	3.09E-03	1.35E-03	1.39E-03	1.31E-03	3.80E-04	7.85E-04	1.16E-03	3.71E-04	7.66E-04	1.14E-03	3.66E-04	7.55E-04	1.12E-03
96	486783.18, 3855743.15	0.00914	0.01856	1.43E-03	3.03E-03	1.35E-03	1.38E-03	1.30E-03	3.79E-04	7.70E-04	1.15E-03	3.70E-04	7.51E-04	1.12E-03	3.65E-04	7.41E-04	1.11E-03
97	486533.18, 3855793.15	0.01008	0.02317	1.58E-03	3.78E-03	1.49E-03	1.52E-03	1.44E-03	4.18E-04	9.61E-04	1.38E-03	4.08E-04	9.38E-04	1.35E-03	4.03E-04	9.26E-04	1.33E-03
98	486583.18, 3855793.15	0.00975	0.02173	1.53E-03	3.55E-03	1.44E-03	1.47E-03	1.39E-03	4.05E-04	9.02E-04	1.31E-03	3.95E-04	8.80E-04	1.27E-03	3.89E-04	8.68E-04	1.26E-03
99	486633.18, 3855793.15	0.00964	0.02102	1.51E-03	3.43E-03	1.42E-03	1.46E-03	1.37E-03	4.00E-04	8.72E-04	1.27E-03	3.90E-04	8.51E-04	1.24E-03	3.85E-04	8.40E-04	1.22E-03
100	486683.18, 3855793.15	0.00955	0.02039	1.50E-03	3.33E-03	1.41E-03	1.44E-03	1.36E-03	3.96E-04	8.46E-04	1.24E-03	3.87E-04	8.25E-04	1.21E-03	3.81E-04	8.15E-04	1.20E-03
101	486733.18, 3855793.15	0.00943	0.01975	1.48E-03	3.22E-03	1.39E-03	1.43E-03	1.34E-03	3.91E-04	8.19E-04	1.21E-03	3.82E-04	8.00E-04	1.18E-03	3.77E-04	7.89E-04	1.17E-03
102	486783.18, 3855793.15	0.00934	0.0192	1.46E-03	3.13E-03	1.38E-03	1.41E-03	1.33E-03	3.87E-04	7.97E-04	1.18E-03	3.78E-04	7.77E-04	1.16E-03	3.73E-04	7.67E-04	1.14E-03
103	486533.18, 3855843.15	0.01029	0.02419	1.61E-03	3.95E-03	1.52E-03	1.56E-03	1.47E-03	4.27E-04	1.00E-03	1.43E-03	4.17E-04	9.79E-04	1.40E-03	4.11E-04	9.66E-04	1.38E-03
104	486583.18, 3855843.15	0.01001	0.02279	1.57E-03	3.72E-03	1.48E-03	1.51E-03	1.43E-03	4.15E-04	9.46E-04	1.36E-03	4.05E-04	9.23E-04	1.33E-03	4.00E-04	9.10E-04	1.31E-03
105	486633.18, 3855843.15	0.00989	0.022	1.55E-03	3.59E-03	1.46E-03	1.49E-03	1.41E-03	4.10E-04	9.13E-04	1.32E-03	4.00E-04	8.91E-04	1.29E-03	3.95E-04	8.79E-04	1.27E-03
106	486683.18, 3855843.15	0.00978	0.02129	1.53E-03	3.48E-03	1.44E-03	1.48E-03	1.39E-03	4.06E-04	8.83E-04	1.29E-03	3.96E-04	8.62E-04	1.26E-03	3.91E-04	8.50E-04	1.24E-03
107	486733.18, 3855843.15	0.00968	0.02063	1.52E-03	3.37E-03	1.43E-03	1.46E-03	1.38E-03	4.02E-04	8.56E-04	1.26E-03	3.92E-04	8.35E-04	1.23E-03	3.87E-04	8.24E-04	1.21E-03
108	486783.18, 3855843.15	0.00957	0.02	1.50E-03	3.26E-03	1.41E-03	1.45E-03	1.36E-03	3.97E-04	8.30E-04	1.23E-03	3.87E-04	8.10E-04	1.20E-03	3.82E-04	7.99E-04	1.18E-03
109	486533.18, 3855893.15	0.01044	0.02513	1.64E-03	4.10E-03	1.54E-03	1.58E-03	1.49E-03	4.33E-04	1.04E-03	1.48E-03	4.23E-04	1.02E-03	1.44E-03	4.17E-04	1.00E-03	1.42E-03
110	486583.18, 3855893.15	0.0103	0.02408	1.61E-03	3.93E-03	1.52E-03	1.56E-03	1.47E-03	4.27E-04	9.99E-04	1.43E-03	4.17E-04	9.75E-04	1.39E-03	4.11E-04	9.62E-04	1.37E-03
111	486633.18, 3855893.15	0.01015	0.02312	1.59E-03	3.77E-03	1.50E-03	1.53E-03	1.45E-03	4.21E-04	9.59E-04	1.38E-03	4.11E-04	9.36E-04	1.35E-03	4.05E-04	9.24E-04	1.33E-03
112	486683.18, 3855893.15	0.01003	0.0223	1.57E-03	3.64E-03	1.48E-03	1.52E-03	1.43E-03	4.16E-04	9.25E-04	1.34E-03	4.06E-04	9.03E-04	1.31E-03	4.01E-04	8.91E-04	1.29E-03

113	486733.18, 3855893.15	0.00992	0.02156	1.55E-03	3.52E-03	1.46E-03	1.50E-03	1.41E-03	4.12E-04	8.94E-04	1.31E-03	4.02E-04	8.73E-04	1.27E-03	3.96E-04	8.61E-04	1.26E-03
114	486783.18, 3855893.15	0.00983	0.02092	1.54E-03	3.41E-03	1.45E-03	1.49E-03	1.40E-03	4.08E-04	8.68E-04	1.28E-03	3.98E-04	8.47E-04	1.24E-03	3.93E-04	8.36E-04	1.23E-03
115	486533.18, 3855943.15	0.01071	0.02657	1.68E-03	4.34E-03	1.58E-03	1.62E-03	1.53E-03	4.44E-04	1.10E-03	1.55E-03	4.34E-04	1.08E-03	1.51E-03	4.28E-04	1.06E-03	1.49E-03
116	486583.18, 3855943.15	0.0106	0.02555	1.66E-03	4.17E-03	1.56E-03	1.60E-03	1.51E-03	4.40E-04	1.06E-03	1.50E-03	4.29E-04	1.03E-03	1.46E-03	4.23E-04	1.02E-03	1.44E-03
117	486633.18, 3855943.15	0.01043	0.0244	1.63E-03	3.98E-03	1.54E-03	1.58E-03	1.49E-03	4.33E-04	1.01E-03	1.45E-03	4.22E-04	9.88E-04	1.41E-03	4.17E-04	9.75E-04	1.39E-03
118	486683.18, 3855943.15	0.01032	0.02352	1.62E-03	3.84E-03	1.52E-03	1.56E-03	1.47E-03	4.28E-04	9.76E-04	1.40E-03	4.18E-04	9.52E-04	1.37E-03	4.12E-04	9.40E-04	1.35E-03
119	486733.18, 3855943.15	0.01018	0.02262	1.59E-03	3.69E-03	1.50E-03	1.54E-03	1.45E-03	4.22E-04	9.38E-04	1.36E-03	4.12E-04	9.16E-04	1.33E-03	4.07E-04	9.04E-04	1.31E-03
120	486783.18, 3855943.15	0.01008	0.02191	1.58E-03	3.58E-03	1.49E-03	1.52E-03	1.44E-03	4.18E-04	9.09E-04	1.33E-03	4.08E-04	8.87E-04	1.30E-03	4.03E-04	8.75E-04	1.28E-03
121	486533.18, 3855993.15	0.01103	0.02841	1.73E-03	4.64E-03	1.63E-03	1.67E-03	1.57E-03	4.58E-04	1.18E-03	1.64E-03	4.47E-04	1.15E-03	1.60E-03	4.41E-04	1.13E-03	1.58E-03
122	486583.18, 3855993.15	0.01088	0.02708	1.70E-03	4.42E-03	1.61E-03	1.64E-03	1.55E-03	4.51E-04	1.12E-03	1.57E-03	4.40E-04	1.10E-03	1.54E-03	4.35E-04	1.08E-03	1.52E-03
123	486633.18, 3855993.15	0.01072	0.02586	1.68E-03	4.22E-03	1.58E-03	1.62E-03	1.53E-03	4.45E-04	1.07E-03	1.52E-03	4.34E-04	1.05E-03	1.48E-03	4.28E-04	1.03E-03	1.46E-03
124	486683.18, 3855993.15	0.0106	0.02485	1.66E-03	4.06E-03	1.56E-03	1.60E-03	1.51E-03	4.40E-04	1.03E-03	1.47E-03	4.29E-04	1.01E-03	1.44E-03	4.23E-04	9.93E-04	1.42E-03
125	486733.18, 3855993.15	0.01045	0.02385	1.64E-03	3.89E-03	1.54E-03	1.58E-03	1.49E-03	4.34E-04	9.89E-04	1.42E-03	4.23E-04	9.66E-04	1.39E-03	4.17E-04	9.53E-04	1.37E-03
126	486783.18, 3855993.15	0.01033	0.02299	1.62E-03	3.75E-03	1.52E-03	1.56E-03	1.47E-03	4.29E-04	9.54E-04	1.38E-03	4.18E-04	9.31E-04	1.35E-03	4.13E-04	9.18E-04	1.33E-03
127	486533.18, 3856043.15	0.01136	0.03045	1.78E-03	4.97E-03	1.68E-03	1.72E-03	1.62E-03	4.71E-04	1.26E-03	1.73E-03	4.60E-04	1.23E-03	1.69E-03	4.54E-04	1.22E-03	1.67E-03
128	486583.18, 3856043.15	0.01121	0.02898	1.76E-03	4.73E-03	1.65E-03	1.69E-03	1.60E-03	4.65E-04	1.20E-03	1.67E-03	4.54E-04	1.17E-03	1.63E-03	4.48E-04	1.16E-03	1.61E-03
129	486633.18, 3856043.15	0.01102	0.02753	1.73E-03	4.49E-03	1.63E-03	1.67E-03	1.57E-03	4.57E-04	1.14E-03	1.60E-03	4.46E-04	1.11E-03	1.56E-03	4.40E-04	1.10E-03	1.54E-03
130	486683.18, 3856043.15	0.0109	0.02638	1.71E-03	4.31E-03	1.61E-03	1.65E-03	1.55E-03	4.52E-04	1.09E-03	1.55E-03	4.41E-04	1.07E-03	1.51E-03	4.35E-04	1.05E-03	1.49E-03
131	486733.18, 3856043.15	0.01073	0.02522	1.68E-03	4.12E-03	1.58E-03	1.62E-03	1.53E-03	4.45E-04	1.05E-03	1.49E-03	4.34E-04	1.02E-03	1.46E-03	4.29E-04	1.01E-03	1.44E-03
132	486783.18, 3856043.15	0.01063	0.02431	1.67E-03	3.97E-03	1.57E-03	1.61E-03	1.52E-03	4.41E-04	1.01E-03	1.45E-03	4.30E-04	9.84E-04	1.41E-03	4.25E-04	9.71E-04	1.40E-03
133	486533.18, 3856093.15	0.01173	0.03296	1.84E-03	5.38E-03	1.73E-03	1.77E-03	1.67E-03	4.87E-04	1.37E-03	1.85E-03	4.75E-04	1.33E-03	1.81E-03	4.69E-04	1.32E-03	1.79E-03
134	486583.18, 3856093.15	0.01154	0.03113	1.81E-03	5.08E-03	1.70E-03	1.74E-03	1.65E-03	4.79E-04	1.29E-03	1.77E-03	4.67E-04	1.26E-03	1.73E-03	4.61E-04	1.24E-03	1.70E-03
135	486633.18, 3856093.15	0.01136	0.02949	1.78E-03	4.81E-03	1.68E-03	1.72E-03	1.62E-03	4.71E-04	1.22E-03	1.69E-03	4.60E-04	1.19E-03	1.65E-03	4.54E-04	1.18E-03	1.63E-03
136	486683.18, 3856093.15	0.01121	0.02812	1.76E-03	4.59E-03	1.65E-03	1.69E-03	1.60E-03	4.65E-04	1.17E-03	1.63E-03	4.54E-04	1.14E-03	1.59E-03	4.48E-04	1.12E-03	1.57E-03
137	486733.18, 3856093.15	0.01104	0.02683	1.73E-03	4.38E-03	1.63E-03	1.67E-03	1.57E-03	4.58E-04	1.11E-03	1.57E-03	4.47E-04	1.09E-03	1.53E-03	4.41E-04	1.07E-03	1.51E-03
138	486783.18, 3856093.15	0.01092	0.02573	1.71E-03	4.20E-03	1.61E-03	1.65E-03	1.56E-03	4.53E-04	1.07E-03	1.52E-03	4.42E-04	1.04E-03	1.48E-03	4.36E-04	1.03E-03	1.46E-03
139	486533.18, 3856143.15	0.01209	0.03584	1.89E-03	5.85E-03	1.78E-03	1.83E-03	1.72E-03	5.02E-04	1.49E-03	1.99E-03	4.89E-04	1.45E-03	1.94E-03	4.83E-04	1.43E-03	1.91E-03
140	486583.18, 3856143.15	0.01187	0.03359	1.86E-03	5.48E-03	1.75E-03	1.79E-03	1.69E-03	4.92E-04	1.39E-03	1.89E-03	4.81E-04	1.36E-03	1.84E-03	4.74E-04	1.34E-03	1.82E-03
141	486633.18, 3856143.15	0.0117	0.03178	1.83E-03	5.19E-03	1.73E-03	1.77E-03	1.67E-03	4.85E-04	1.32E-03	1.80E-03	4.74E-04	1.29E-03	1.76E-03	4.67E-04	1.27E-03	1.74E-03
142	486683.18, 3856143.15	0.01152	0.03013	1.80E-03	4.92E-03	1.70E-03	1.74E-03	1.64E-03	4.78E-04	1.25E-03	1.73E-03	4.66E-04	1.22E-03	1.69E-03	4.60E-04	1.20E-03	1.66E-03
143	486733.18, 3856143.15	0.01136	0.02866	1.78E-03	4.68E-03	1.68E-03	1.72E-03	1.62E-03	4.71E-04	1.19E-03	1.66E-03	4.60E-04	1.16E-03	1.62E-03	4.54E-04	1.14E-03	1.60E-03
144	486783.18, 3856143.15	0.01125	0.0275	1.76E-03	4.49E-03	1.66E-03	1.70E-03	1.60E-03	4.67E-04	1.14E-03	1.61E-03	4.55E-04	1.11E-03	1.57E-03	4.49E-04	1.10E-03	1.55E-03
145	486533.18, 3856193.15	0.01249	0.03954	1.96E-03	6.45E-03	1.84E-03	1.89E-03	1.78E-03	5.18E-04	1.64E-03	2.16E-03	5.06E-04	1.60E-03	2.11E-03	4.99E-04	1.58E-03	2.08E-03
146	486583.18, 3856193.15	0.01224	0.03669	1.92E-03	5.99E-03	1.81E-03	1.85E-03	1.75E-03	5.08E-04	1.52E-03	2.03E-03	4.96E-04	1.49E-03	1.98E-03	4.89E-04	1.47E-03	1.95E-03
147	486633.18, 3856193.15	0.01205	0.03448	1.89E-03	5.63E-03	1.78E-03	1.82E-03	1.72E-03	5.00E-04	1.43E-03	1.93E-03	4.88E-04	1.40E-03	1.88E-03	4.81E-04	1.38E-03	1.86E-03
148	486683.18, 3856193.15	0.0119	0.03265	1.86E-03	5.33E-03	1.76E-03	1.80E-03	1.70E-03	4.94E-04	1.35E-03	1.85E-03	4.82E-04	1.32E-03	1.80E-03	4.75E-04	1.30E-03	1.78E-03
149	486733.18, 3856193.15	0.01171	0.03086	1.83E-03	5.04E-03	1.73E-03	1.77E-03	1.67E-03	4.86E-04	1.28E-03	1.77E-03	4.74E-04	1.25E-03	1.72E-03	4.68E-04	1.23E-03	1.70E-03
150	486783.18, 3856193.15	0.01159	0.02941	1.82E-03	4.80E-03	1.71E-03	1.75E-03	1.65E-03	4.81E-04	1.22E-03	1.70E-03	4.69E-04	1.19E-03	1.66E-03	4.63E-04	1.17E-03	1.64E-03
151	486533.18, 3856243.15	0.01289	0.04393	2.02E-03	7.17E-03	1.90E-03	1.95E-03	1.84E-03	5.35E-04	1.82E-03	2.36E-03	5.22E-04	1.78E-03	2.30E-03	5.15E-04	1.75E-03	2.27E-03
152	486583.18, 3856243.15	0.01266	0.04055	1.98E-03	6.62E-03	1.87E-03	1.91E-03	1.81E-03	5.25E-04	1.68E-03	2.21E-03	5.13E-04	1.64E-03	2.15E-03	5.06E-04	1.62E-03	2.13E-03
153	486633.18, 3856243.15	0.01244	0.03772	1.95E-03	6.16E-03	1.84E-03	1.88E-03	1.77E-03	5.16E-04	1.56E-03	2.08E-03	5.04E-04	1.53E-03	2.03E-03	4.97E-04	1.51E-03	2.00E-03
154	486683.18, 3856243.15	0.01226	0.03534	1.92E-03	5.77E-03	1.81E-03	1.85E-03	1.75E-03	5.09E-04	1.47E-03	1.97E-03	4.96E-04	1.43E-03	1.93E-03	4.90E-04	1.41E-03	1.90E-03
155	486733.18, 3856243.15	0.0121	0.03331	1.90E-03	5.44E-03	1.79E-03	1.83E-03	1.73E-03	5.02E-04	1.38E-03	1.88E-03	4.90E-04	1.35E-03	1.84E-03	4.83E-04	1.33E-03	1.81E-03
156	486783.18, 3856243.15	0.01192	0.03147	1.87E-03	5.14E-03	1.76E-03	1.80E-03	1.70E-03	4.95E-04	1.31E-03	1.80E-03	4.83E-04	1.27E-03	1.76E-03	4.76E-04	1.26E-03	1.73E-03
157	486533.18, 3856293.15	0.01333	0.04931	2.09E-03	8.05E-03	1.97E-03	2.01E-03	1.90E-03	5.53E-04	2.05E-03	2.60E-03	5.40E-04	2.00E-03	2.54E-03	5.32E-04	1.97E-03	2.50E-03
158	486583.18, 3856293.15	0.01307	0.04496	2.05E-03	7.34E-03	1.93E-03	1.98E-03	1.86E-03	5.42E-04	1.87E-03	2.41E-03	5.29E-04	1.82E-03	2.35E-03	5.22E-04	1.80E-03	2.32E-03
159	486633.18, 3856293.15	0.01285	0.04144	2.01E-03	6.76E-03	1.90E-03	1.94E-03	1.83E-03	5.33E-04	1.72E-03	2.25E-03	5.20E-04	1.68E-03	2.20E-03	5.13E-04	1.66E-03	2.17E-03
160	486683.18, 3856293.15	0.01264	0.03851	1.98E-03	6.29E-03	1.87E-03	1.91E-03	1.80E-03	5.24E-04	1.60E-03	2.12E-03	5.12E-04	1.56E-03	2.07E-03	5.05E-04	1.54E-03	2.04E-03
161	486733.18, 3856293.15	0.01249	0.0361	1.96E-03	5.89E-03	1.84E-03	1.89E-03	1.78E-03	5.18E-04	1.50E-03	2.02E-03	5.06E-04	1.46E-03	1.97E-03	4.99E-04	1.44E-03	1.94E-03
162	486783.18, 3856293.15	0.0123	0.0339	1.93E-03	5.53E-03	1.82E-03	1.86E-03	1.75E-03	5.10E-04	1.41E-03	1.92E-03	4.98E-04	1.37E-03	1.87E-03	4.91E-04	1.35E-03	1.85E-03
163	486783.18, 3856343.15	0.01272	0.03675	1.99E-03	6.00E-03	1.88E-03	1.92E-03	1.81E-03	5.28E-04	1.52E-03	2.05E-03	5.15E-04	1.49E-03	2.00E-03	5.08E-04	1.47E-03	1.98E-03
164	486833.18, 3856343.15	0.01254	0.03447	1.96E-03	5.63E-03	1.85E-03	1.90E-03	1.79E-03	5.20E-04	1.43E-03	1.95E-03	5.08E-04	1.40E-03	1.90E-03	5.01E-04	1.38E-03	1.88E-03
165	486883.18, 3856343.15	0.01238	0.03248	1.94E-03	5.30E-03	1.83E-03	1.87E-03	1.77E-03	5.14E-04	1.35E-03	1.86E-03	5.01E-04	1.31E-03	1.82E-03	4.95E-04	1.30E-03	1.79E-03
166	486783.18, 3856393.15	0.01311	0.03986	2.05E-03	6.51E-03	1.93E-03	1.98E-03	1.87E-03	5.44E-04	1.65E-03	2.20E-03	5.31E-04	1.61E-03	2.14E-03	5.24E-04	1.59E-03	2.12E-03
167	486833.18, 3856393.15	0.01292	0.03715	2.02E-03	6.06E-03	1.91E-03	1.95E-03	1.84E-03	5.36E-04	1.54E-03	2.08E-03	5.23E-04	1.50E-03	2.03E-03	5.16E-04	1.48E-03	2.00E-03
168	486883.18, 3856393.15	0.01272	0.03476	1.99E-03	5.67E-03	1.88E-03	1.92E-03	1.81E-03	5.28E-04	1.44E-03	1.97E-03	5.15E-04	1.41E-03	1.92E-03	5.08E-04	1.39E-03	1.90E-03
169	487208.74, 3856886.11	0.01576	0.04669	2.47E-03	7.62E-03	2.33E-03	2.38E-03	2.25E-03	6.54E-04	1.94E-03	2.59E-03	6.38E-04	1.89E-03	2.53E-03	6.30E-04	1.87E-03	2.49E-03
170	487258.74, 3856886.11	0.01546	0.04282	2.42E-03	6.99E-03	2.28E-03	2.34E-03	2.20E-03	6.41E-04	1.78E-03	2.42E-03	6.26E-04	1.73E-03	2.36E-03	6.18E-04	1.71E-03	2.33E-03
171	487308.74, 3856886.11	0.01519	0.03958	2.38E-03	6.46E-03	2.24E-03	2.30E-03	2.17E-03	6.30E-04	1.64E-03	2.27E-03	6.15E-04	1.60E-03	2.22E-03	6.07E-04	1.58E-03	2.19E-03
172	487358.74, 3856886.11	0.01491	0.03684	2.34E-03	6.01E-03	2.20E-03	2.25E-03	2.13E-03	6.19E-04	1.53E-03	2.15E-03	6.04E-04	1.49E-03	2.10E-03	5.96E-04	1.47E-03	2.07E-03
173	487208.74, 3856936.11	0.01634	0.05171	2.56E-03	8.44E-03	2.41E-03	2.47E-03	2.33E-03	6.78E-04	2.15E-03	2.82E-03	6.62E-04	2.09E-03	2.75E-03	6.53E-04	2.07E-03	2.72E-03
174	487258.74, 3856936.11	0.01602	0.04695	2.51E-03	7.66E-03	2.36E-03	2.42E-03	2.28E-03	6.65E-04	1.95E-03	2.61E-03	6.49E-04	1.90E-03	2.55E-03	6.40E-04	1.88E-03	2.52E-03
175	487308.74, 3856936.11	0.01574	0.04302	2.47E-03	7.02E-03	2.32E-03	2.38E-03	2.24E-03	6.53E-04	1.78E-03	2.44E-03	6.37E-04	1.74E-03	2.38E-03	6.29E-04	1.72E-03	2.35E-03
176	487358.74, 3856936.11	0.01545	0.03975	2.42E-03	6.49E-03	2.28E-03	2.34E-03	2.20E-03	6.41E-04	1.65E-03	2.29E-03	6.25E-04	1.61E-03	2.23E-03	6.17E-04	1.59E-03	2.21E-03
177	487208.74, 3856986.11	0.01696	0.05804	2.66E-03	9.47E-03	2.50E-03	2.56E-03	2.42E-03	7.04E-04	2.41E-03	3.11E-03	6.87E-04	2.35E-03	3.04E-03	6.77E-04	2.32E-03	3.00E-03
178	487258.74, 3856986.11	0.01666	0.05201	2.61E-03	8.49E-03	2.46E-03	2.52E-03	2.38E-03	6.91E-04	2.16E-03	2.85E-03	6.74E-04	2.11E-03	2.78E-03	6.66E-04	2.08E-03	2.74E-03
179	487308.74, 3856986.11	0.01631	0.04721	2.55E-03	7.71E-03	2.41E-03	2.47E-03	2.33E-03	6.77E-04	1.96E-03	2.64E-03	6.60E-04	1.91E-03	2.57E-03	6.52E-04	1.89E-03	2.54E-03
180	487358.74, 3856986.11	0.01603	0.04324	2.51E-03	7.06E-03	2.37E-03	2.42E-03	2.29E-03	6.65E-04	1.79E-03	2.46E-03	6.49E-04	1.75E-03	2.40E-03	6.40E-04	1.73E-03	2.37E-03
181	487208.74, 3857036.11	0.01763	0.06629	2.76E-03	1.08E-02	2.60E-03	2.66E-03	2.51E-03	7.31E-04	2.75E-03	3.48E-03	7.14E-04	2.68E-03	3.40E-03	7.04E-04	2.65E-03	3.35E-03
182	487258.74, 3857036.11	0.01728	0.05845	2.71E-03	9.54E-03	2.55E-03	2.61E-03	2.46E-03	7.17E-04	2.42E-03	3.14E-03	7.00E-04	2.37E-03	3.07E-03	6.90E-04	2.33E-03	3.03E-03
183	487308.74, 3857036.11	0.01696	0.05232	2.66E-03	8.54E-03	2.50E-03	2.56E-03	2.42E-03	7.04E-04	2.17E-03	2.87E-03	6.87E-04	2.12E-03	2.80E-03	6.77E-04	2.09E-03	2.77E-03
184	487358.74, 3857036.11	0.01664	0.04743	2.61E-03	7.74E-03	2.46E-03	2.52E-03	2.37E-03	6.90E-04	1.97E-03	2.66E-03	6.74E-04	1.92E-03	2.59E-03	6.65E-04	1.89E-03	2.56E-03
185	487427.14, 3856878.23	0.01454	0.03333	2.28E-03	5.44E-03	2.15E-03	2.20E-03	2.07E-03	6.03E-04	1.38E-03	1.99E-03	5.89E-04	1.35E-03	1.94E-03	5.81E-04	1.33E-03	1.91E-03
186	487477.14, 3856878.23	0.01432	0.03141	2.24E-03	5.13E-03	2.11E-03	2.16E-03	2.04E-03	5.94E-04	1.30E-03	1.90E-03	5.80E-04	1.27E-03	1.85E-03	5.72E-04	1.25E-03	1.83E-03
187	487527.14, 3856878.23	0.0141	0.02973	2.21E-03	4.85E-03	2.08E-03	2.13E-03	2.01E-03	5.85E-04	1.23E-03	1.82E-03	5.71E-04	1.20E-03	1.77E-03	5.63E-04	1.19E-03	1.75E-03
188	487427.14, 3856928.23	0.01503	0.03564	2.35E-03	5.82E-03	2.22E-03	2.27E-03	2.14E-03	6.24E-04	1.48E-03	2.10E-03	6.08E-04	1.44E-03	2.05E-03	6.00E-04	1.42E-03	2.02E-03
189	487477.14, 3856928.23	0.01477	0.03344	2.31E-03	5.46E-03	2.18E-03	2.23E-03	2.11E-03	6.13E-04	1.39E-03	2.00E-03	5.98E-04	1.35E-03	1.95E-03	5.90E-04	1.34E-03	1.93E-03
190	487527.14, 3856928.23	0.01454	0.03151	2.28E-03	5.14E-03	2.15E-03	2.20E-03	2.07E-03	6.03E-04	1.31E-03	1.91E-03	5.89E-04	1.28E-03	1.86E-03	5.81E-04	1.26E-03	1.84E-03
191	487577.14, 3856928.23	0.01432	0.02981	2.24E-03	4.87E-03	2.11E-03	2.16E-03	2.04E-03	5.94E-04	1.24E-03	1.83E-03	5.80E-04	1.21E-03	1.79E-03	5.72E-04	1.19E-03	1.76E-03
192	487627.14, 3856928.23	0.01409	0.0283	2.21E-03	4.62E-03	2.08E-03	2.13E-03	2.01E-03	5.85E-04	1.17E-03	1.76E-03	5.70E-04	1.15E-03	1.72E-03	5.63E-04	1.13E-03	1.69E-03
193	487677.14, 3856928.23	0.0139	0.02694	2.18E-03	4.40E-03	2.05E-03	2.10E-03	1.98E-03	5.77E-04	1.12E-03	1.69E-03	5.63E-04	1.09E-03	1.65E-03	5.55E-04	1.08E-03	1.63E-03
194	487727.14, 3856928.23	0.01373	0.02572	2.15E-03	4.20E-03	2.03E-03	2.08E-03	1.96E-03	5.70E-04	1.07E-03	1.64E-03	5.56E-04	1.04E-03	1.60E-03	5.48E-04	1.03E-03	1.58E-03
195	487777.14, 3856928.23	0.01354	0.02462	2.12E-03	4.02E-03	2.00E-03	2.05E-03	1.93E-03	5.62E-04	1.02E-03	1.58E-03	5.48E-04	9.97E-04	1.54E-03	5.41E-04	9.83E-04	1.52E-03
196	487427.14, 3856978.23	0.01554	0.03838	2.43E-03	6.26E-03	2.29E-03	2.35E-03	2.22E-03	6.45E-04	1.59E-03	2.24E-03	6.29E-04	1.55E-03	2.18E-03	6.21E-04	1.53E-03	2.15E-03
197	487477.14, 3856978.23	0.01528	0.03579	2.39E-03	5.84E-03	2.26E-03	2.31E-03	2.18E-03	6.34E-04	1.48E-03	2.12E-03	6.19E-04	1.45E-03	2.07E-03	6.10E-04	1.43E-03	2.04E-03
198	487527.14, 3856978.23	0.01504	0.03355	2.36E-03	5.48E-03	2.22E-03	2.27E-03	2.14E-03	6.24E-04	1.39E-03	2.02E-03	6.09E-04	1.36E-03	1.97E-03	6.01E-04	1.34E-03	1.94E-03
199	487577.14, 3856978.23	0.0148	0.0316	2.32E-03	5.16E-03	2.18E-03	2.24E-03	2.11E-03	6.14E-04	1.31E-03	1.93E-03	5.99E-04	1.28E-03	1.88E-03	5.91E-04	1.26E-03	1.85E-03
200	487627.14, 3856978.23	0.01454	0.02989	2.28E-03	4.88E-03	2.15E-03	2.20E-03	2.07E-03	6.03E-04	1.24E-03	1.84E-03	5.89E-04	1.21E-03	1.80E-03	5.81E-04	1.19E-03	1.77E-03
201	487677.14, 3856978.23	0.01434	0.02836	2.25E-03	4.63E-03	2.12E-03	2.17E-03	2.04E-03	5.95E-04	1.18E-03	1.77E-03	5.81E-04	1.15E-03	1.73E-03	5.73E-04	1.13E-03	1.71E-03
202	487727.14, 3856978.23	0.01406	0.02702	2.20E-03	4.41E-03	2.08E-03	2.13E-03	2.00E-03	5.83E-04	1.12E-03	1.70E-03	5.69E-04	1.09E-03	1.66E-03	5.62E-04	1.08E-03	1.64E-03
203	487777.14, 3856978.23	0.01396	0.02576	2.19E-03	4.20E-03	2.06E-03	2.11E-03	1.99E-03	5.79E-04	1.07E-03	1.65E-03	5.65E-04	1.04E-03	1.61E-03	5.58E-04	1.03E-03	1.59E-03
204	487427.14, 3857028.23	0.01612	0.04156	2.53E-03	6.78E-03	2.38E-03	2.44E-03	2.30E-03	6.69E-04	1.72E-03	2.39E-03	6.53E-04	1.68E-03	2.34E-03	6.44E-04	1.66E-03	2.30E-03
205	487477.14, 3857028.23	0.01584	0.0385	2.48E-03	6.28E-03	2.34E-03	2.39E-03	2.26E-03	6.57E-04	1.60E-03	2.25E-03	6.41E-04	1.56E-03	2.20E-03	6.33E-04	1.54E-03	2.17E-03
206	487527.14, 3857028.23	0.01555	0.0359	2.44E-03	5.86E-03	2.29E-03	2.35E-03	2.22E-03	6.45E-04	1.49E-03	2.13E-03	6.30E-04	1.45E-03	2.08E-03	6.21E-04	1.43E-03	2.06E-03
207	487577.14, 3857028.23	0.0153	0.03364	2.40E-03	5.49E-03	2.26E-03	2.31E-03	2.18E-03	6.35E-04	1.40E-03	2.03E-03	6.19E-04	1.36E-03	1.98E-03	6.11E-04	1.34E-03	1.96E-03
208	487627.14, 3857028.23	0.01501	0.03169	2.35E-03	5.17E-03	2.22E-03	2.27E-03	2.14E-03	6.23E-04	1.31E-03	1.94E-03	6.08E-04	1.28E-03	1.89E-03	6.00E-04	1.27E-03	1.87E-03
209	487677.14, 3857028.23	0.01479	0.02996	2.32E-03	4.89E-03	2.18E-03	2.24E-03	2.11E-03	6.14E-04	1.24E-03	1.86E-03	5.99E-04	1.21E-03	1.81E-03	5.91E-04	1.20E-03	1.79E-03
210	487727.14, 3857028.23	0.0146	0.02842	2.29E-03	4.64E-03	2.15E-03	2.21E-03	2.08E-03	6.06E-04	1.18E-03	1.78E-03	5.91E-04	1.15E-03	1.74E-03	5.83E-04	1.14E-03	1.72E-03
211	487777.14, 3857028.23	0.01439	0.02704	2.25E-03	4.41E-03	2.12E-03	2.18E-03	2.05E-03	5.97E-04	1.12E-03	1.72E-03	5.83E-04	1.09E-03	1.68E-03	5.75E-04	1.08E-03	1.66E-03
212	487427.14, 3857078.23	0.01674	0.04539	2.62E-03	7.41E-03	2.47E-03	2.53E-03	2.39E-03	6.95E-04	1.88E-03	2.58E-03	6.78E-04	1.84E-03	2.52E-03	6.69E-04	1.81E-03	2.48E-03
213	487477.14, 3857078.23	0.01641	0.04172	2.57E-03	6.81E-03	2.42E-03	2.48E-03	2.34E-03	6.81E-04	1.73E-03	2.41E-03	6.64E-04	1.69E-03	2.35E-03	6.56E-04	1.67E-03	2.32E-03
214	487527.14, 3857078.23	0.01612	0.03863	2.53E-03	6.31E-03	2.38E-03	2.44E-03	2.30E-03	6.69E-04	1.60E-03	2.27E-03	6.53E-04	1.56E-03	2.22E-03	6.44E-04	1.54E-03	2.19E-03
215	487577.14, 3857078.23	0.01583	0.03601	2.48E-03	5.88E-03	2.34E-03	2.39E-03	2.26E-03	6.57E-04	1.49E-03	2.15E-03	6.41E-04	1.46E-03	2.10E-03	6.32E-04	1.44E-03	2.07E-03
216	487627.14, 3857078.23	0.01554	0.03375	2.43E-03	5.51E-03	2.29E-03	2.35E-03	2.22E-03	6.45E-04	1.40E-03	2.04E-03	6.29E-04	1.37E-03	2.00E-03	6.21E-04	1.35E-03	1.97E-03
217	487677.14, 3857078.23	0.0153	0.03177	2.40E-03	5.19E-03	2.26E-03	2.31E-03	2.18E-03	6.35E-04	1.32E-03	1.95E-03	6.19E-04	1.29E-03	1.91E-03	6.11E-04	1.27E-03	1.88E-03
218	487727.14, 3857078.23	0.01507	0.03003	2.36E-03	4.90E-03	2.22E-03	2.28E-03	2.15E-03	6.25E-04	1.25E-03	1.87E-03	6.10E-04	1.22E-03	1.83E-03	6.02E-04	1.20E-03	1.80E-03
219	487777.14, 3857078.23	0.01483	0.02848	2.32E-03	4.65E-03	2.19E-03	2.24E-03	2.11E-03	6.15E-04	1.18E-03	1.80E-03	6.00E-04	1.15E-03	1.75E-03	5.92E-04	1.14E-03	1.73E-03
220	487427.14, 3857128.23	0.01741	0.05007	2.73E-03	8.17E-03	2.57E-03	2.63E-03	2.48E-03	7.22E-04	2.08E-03	2.80E-03	7.05E-04	2.03E-03	2.73E-03	6.95E-04	2.00E-03	2.70E-03
221	487477.14, 3857128.23	0.01704	0.04561	2.67E-03	7.44E-03	2.51E-03	2.58E-03	2.43E-03	7.07E-04	1.89E-03	2.60E-03	6.90E-04	1.85E-03	2.54E-03	6.81E-04	1.82E-03	2.50E-03
222	487527.14, 3857128.23	0.0167	0.04192	2.62E-03	6.84E-03	2.46E-03	2.52E-03	2.38E-03	6.93E-04	1.74E-03	2.43E-03	6.76E-04	1.70E-03	2.37E-03	6.67E-04	1.67E-03	2.34E-03
223	487577.14, 3857128.23	0.0164	0.0388	2.57E-03	6.33E-03	2.42E-03	2.48E-03	2.34E-03	6.80E-04	1.61E-03	2.29E-03	6.64E-04	1.57E-03	2.23E-03	6.55E-04	1.55E-03	2.21E-03
224	487627.14, 3857128.23	0.01611	0.03614	2.52E-03	5.90E-03	2.38E-03	2.44E-03	2.30E-03	6.68E-04	1.50E-03	2.17E-03	6.52E-04	1.46E-03	2.12E-03	6.44E-04	1.44E-03	2.09E-03
225	487677.14, 3857128.23	0.01582	0.03387	2.48E-03	5.53E-03	2.33E-03	2.39E-03	2.26E-03	6.56E-04	1.41E-03	2.06E-03	6.40E-04	1.37E-03	2.01E-03	6.32E-04	1.35E-03	1.98E-03
226	487727.14, 3857128.23	0.01559	0.03185	2.44E-03	5.20E-03	2.30E-03	2.36E-03	2.22E-03	6.47E-04	1.32E-03	1.97E-03	6.31E-04	1.29E-03	1.92E-03	6.23E-04	1.27E-03	1.90E-03
227	487777.14, 3857128.23	0.01533	0.03011	2.40E-03	4.91E-03	2.26E-03	2.32E-03	2.19E-03	6.36E-04	1.25E-03	1.89E-03	6.21E-04	1.22E-03	1.84E-03	6.12E-04	1.20E-03	1.82E-03
228	488049.44, 3856539.39	0.01062	0.01612	1.66E-03	2.63E-03	1.57E-03	1.61E-03	1.51E-03	4.41E-04	6.69E-04	1.11E-03	4.30E-04	6.53E-04	1.08E-03	4.24E-04	6.44E-04	1.07E-03

229	488099.44, 3856539.39	0.0105	0.01576	1.64E-03	2.57E-03	1.55E-03	1.59E-03	1.50E-03	4.36E-04	6.54E-04	1.09E-03	4.25E-04	6.38E-04	1.06E-03	4.19E-04	6.30E-04	1.05E-03
230	488149.44, 3856539.39	0.0104	0.01541	1.63E-03	2.52E-03	1.53E-03	1.57E-03	1.48E-03	4.31E-04	6.39E-04	1.07E-03	4.21E-04	6.24E-04	1.04E-03	4.15E-04	6.16E-04	1.03E-03
231	488049.44, 3856589.39	0.01085	0.01651	1.70E-03	2.69E-03	1.60E-03	1.64E-03	1.55E-03	4.50E-04	6.85E-04	1.14E-03	4.39E-04	6.68E-04	1.11E-03	4.33E-04	6.60E-04	1.09E-03
232	488099.44, 3856589.39	0.01073	0.01612	1.68E-03	2.63E-03	1.58E-03	1.62E-03	1.53E-03	4.45E-04	6.69E-04	1.11E-03	4.34E-04	6.53E-04	1.09E-03	4.29E-04	6.44E-04	1.07E-03
233	488149.44, 3856589.39	0.01062	0.01576	1.66E-03	2.57E-03	1.57E-03	1.61E-03	1.51E-03	4.41E-04	6.54E-04	1.09E-03	4.30E-04	6.38E-04	1.07E-03	4.24E-04	6.30E-04	1.05E-03
234	488199.44, 3856589.39	0.0105	0.01541	1.64E-03	2.52E-03	1.55E-03	1.59E-03	1.50E-03	4.36E-04	6.39E-04	1.07E-03	4.25E-04	6.24E-04	1.05E-03	4.19E-04	6.16E-04	1.04E-03
235	488249.44, 3856589.39	0.01045	0.01509	1.64E-03	2.46E-03	1.54E-03	1.58E-03	1.49E-03	4.34E-04	6.26E-04	1.06E-03	4.23E-04	6.11E-04	1.03E-03	4.17E-04	6.03E-04	1.02E-03
236	488049.44, 3856639.39	0.01108	0.01693	1.74E-03	2.76E-03	1.64E-03	1.67E-03	1.58E-03	4.60E-04	7.02E-04	1.16E-03	4.49E-04	6.85E-04	1.13E-03	4.43E-04	6.76E-04	1.12E-03
237	488099.44, 3856639.39	0.01096	0.01652	1.72E-03	2.70E-03	1.62E-03	1.66E-03	1.56E-03	4.55E-04	6.85E-04	1.14E-03	4.44E-04	6.69E-04	1.11E-03	4.38E-04	6.60E-04	1.10E-03
238	488149.44, 3856639.39	0.01084	0.01613	1.70E-03	2.63E-03	1.60E-03	1.64E-03	1.55E-03	4.50E-04	6.69E-04	1.12E-03	4.39E-04	6.53E-04	1.09E-03	4.33E-04	6.44E-04	1.08E-03
239	488199.44, 3856639.39	0.01075	0.01577	1.68E-03	2.57E-03	1.59E-03	1.62E-03	1.53E-03	4.46E-04	6.54E-04	1.10E-03	4.35E-04	6.38E-04	1.07E-03	4.29E-04	6.30E-04	1.06E-03
240	488249.44, 3856639.39	0.01065	0.01542	1.67E-03	2.52E-03	1.57E-03	1.61E-03	1.52E-03	4.42E-04	6.40E-04	1.08E-03	4.31E-04	6.24E-04	1.06E-03	4.25E-04	6.16E-04	1.04E-03
241	488299.44, 3856639.39	0.01056	0.01509	1.65E-03	2.46E-03	1.56E-03	1.60E-03	1.51E-03	4.38E-04	6.26E-04	1.06E-03	4.28E-04	6.11E-04	1.04E-03	4.22E-04	6.03E-04	1.02E-03
242	488349.44, 3856639.39	0.01045	0.01478	1.64E-03	2.41E-03	1.54E-03	1.58E-03	1.49E-03	4.34E-04	6.13E-04	1.05E-03	4.23E-04	5.98E-04	1.02E-03	4.17E-04	5.90E-04	1.01E-03
243	488399.44, 3856639.39	0.01038	0.01449	1.63E-03	2.37E-03	1.53E-03	1.57E-03	1.48E-03	4.31E-04	6.01E-04	1.03E-03	4.20E-04	5.87E-04	1.01E-03	4.15E-04	5.79E-04	9.93E-04
244	488099.44, 3856689.39	0.01121	0.01694	1.76E-03	2.77E-03	1.65E-03	1.69E-03	1.60E-03	4.65E-04	7.03E-04	1.17E-03	4.54E-04	6.86E-04	1.14E-03	4.48E-04	6.77E-04	1.12E-03
245	488149.44, 3856689.39	0.01108	0.01653	1.74E-03	2.70E-03	1.64E-03	1.67E-03	1.58E-03	4.60E-04	6.86E-04	1.15E-03	4.49E-04	6.69E-04	1.12E-03	4.43E-04	6.60E-04	1.10E-03
246	488199.44, 3856689.39	0.01098	0.01614	1.72E-03	2.63E-03	1.62E-03	1.66E-03	1.57E-03	4.56E-04	6.70E-04	1.13E-03	4.45E-04	6.53E-04	1.10E-03	4.39E-04	6.45E-04	1.08E-03
247	488249.44, 3856689.39	0.01086	0.01577	1.70E-03	2.57E-03	1.60E-03	1.64E-03	1.55E-03	4.51E-04	6.54E-04	1.10E-03	4.40E-04	6.38E-04	1.08E-03	4.34E-04	6.30E-04	1.06E-03
248	488299.44, 3856689.39	0.01079	0.01543	1.69E-03	2.52E-03	1.59E-03	1.63E-03	1.54E-03	4.48E-04	6.40E-04	1.09E-03	4.37E-04	6.25E-04	1.06E-03	4.31E-04	6.16E-04	1.05E-03
249	488349.44, 3856689.39	0.01068	0.0151	1.67E-03	2.46E-03	1.58E-03	1.61E-03	1.52E-03	4.43E-04	6.26E-04	1.07E-03	4.32E-04	6.11E-04	1.04E-03	4.27E-04	6.03E-04	1.03E-03
250	488399.44, 3856689.39	0.01054	0.01478	1.65E-03	2.41E-03	1.56E-03	1.59E-03	1.50E-03	4.37E-04	6.13E-04	1.05E-03	4.27E-04	5.98E-04	1.03E-03	4.21E-04	5.90E-04	1.01E-03
251	488099.44, 3856739.39	0.01148	0.01739	1.80E-03	2.84E-03	1.69E-03	1.74E-03	1.64E-03	4.76E-04	7.21E-04	1.20E-03	4.65E-04	7.04E-04	1.17E-03	4.59E-04	6.95E-04	1.15E-03
252	488149.44, 3856739.39	0.01133	0.01695	1.77E-03	2.77E-03	1.67E-03	1.71E-03	1.62E-03	4.70E-04	7.03E-04	1.17E-03	4.59E-04	6.86E-04	1.14E-03	4.53E-04	6.77E-04	1.13E-03
253	488199.44, 3856739.39	0.01124	0.01654	1.76E-03	2.70E-03	1.66E-03	1.70E-03	1.60E-03	4.66E-04	6.86E-04	1.15E-03	4.55E-04	6.70E-04	1.12E-03	4.49E-04	6.61E-04	1.11E-03
254	488249.44, 3856739.39	0.01111	0.01615	1.74E-03	2.64E-03	1.64E-03	1.68E-03	1.58E-03	4.61E-04	6.70E-04	1.13E-03	4.50E-04	6.54E-04	1.10E-03	4.44E-04	6.45E-04	1.09E-03
255	488299.44, 3856739.39	0.01096	0.01578	1.72E-03	2.58E-03	1.62E-03	1.66E-03	1.56E-03	4.55E-04	6.55E-04	1.11E-03	4.44E-04	6.39E-04	1.08E-03	4.38E-04	6.30E-04	1.07E-03
256	488349.44, 3856739.39	0.0109	0.01543	1.71E-03	2.52E-03	1.61E-03	1.65E-03	1.55E-03	4.52E-04	6.40E-04	1.09E-03	4.41E-04	6.25E-04	1.07E-03	4.35E-04	6.16E-04	1.05E-03
257	488399.44, 3856739.39	0.01084	0.0151	1.70E-03	2.46E-03	1.60E-03	1.64E-03	1.55E-03	4.50E-04	6.26E-04	1.08E-03	4.39E-04	6.11E-04	1.05E-03	4.33E-04	6.03E-04	1.04E-03
258	487999.44, 3856789.39	0.01196	0.01894	1.87E-03	3.09E-03	1.77E-03	1.81E-03	1.71E-03	4.96E-04	7.86E-04	1.28E-03	4.84E-04	7.67E-04	1.25E-03	4.78E-04	7.57E-04	1.23E-03
259	488049.44, 3856789.39	0.01183	0.01839	1.85E-03	3.00E-03	1.75E-03	1.79E-03	1.69E-03	4.91E-04	7.63E-04	1.25E-03	4.79E-04	7.45E-04	1.22E-03	4.73E-04	7.35E-04	1.21E-03
260	488099.44, 3856789.39	0.01174	0.01788	1.84E-03	2.92E-03	1.73E-03	1.77E-03	1.67E-03	4.87E-04	7.42E-04	1.23E-03	4.75E-04	7.24E-04	1.20E-03	4.69E-04	7.14E-04	1.18E-03
261	488149.44, 3856789.39	0.0116	0.01741	1.82E-03	2.84E-03	1.71E-03	1.75E-03	1.65E-03	4.81E-04	7.22E-04	1.20E-03	4.70E-04	7.05E-04	1.17E-03	4.63E-04	6.95E-04	1.16E-03
262	488199.44, 3856789.39	0.01149	0.01697	1.80E-03	2.77E-03	1.70E-03	1.74E-03	1.64E-03	4.77E-04	7.04E-04	1.18E-03	4.65E-04	6.87E-04	1.15E-03	4.59E-04	6.78E-04	1.14E-03
263	488249.44, 3856789.39	0.01136	0.01655	1.78E-03	2.70E-03	1.68E-03	1.72E-03	1.62E-03	4.71E-04	6.87E-04	1.16E-03	4.60E-04	6.70E-04	1.13E-03	4.54E-04	6.61E-04	1.11E-03
264	488299.44, 3856789.39	0.01122	0.01616	1.76E-03	2.64E-03	1.66E-03	1.70E-03	1.60E-03	4.65E-04	6.70E-04	1.14E-03	4.54E-04	6.54E-04	1.11E-03	4.48E-04	6.46E-04	1.09E-03
265	488349.44, 3856789.39	0.01116	0.01578	1.75E-03	2.58E-03	1.65E-03	1.69E-03	1.59E-03	4.63E-04	6.55E-04	1.12E-03	4.52E-04	6.39E-04	1.09E-03	4.46E-04	6.30E-04	1.08E-03
266	488399.44, 3856789.39	0.01107	0.01543	1.73E-03	2.52E-03	1.63E-03	1.67E-03	1.58E-03	4.59E-04	6.40E-04	1.10E-03	4.48E-04	6.25E-04	1.07E-03	4.42E-04	6.16E-04	1.06E-03
267	487949.44, 3856839.39	0.01239	0.02019	1.94E-03	3.30E-03	1.83E-03	1.87E-03	1.77E-03	5.14E-04	8.38E-04	1.35E-03	5.02E-04	8.17E-04	1.32E-03	4.95E-04	8.07E-04	1.30E-03
268	487999.44, 3856839.39	0.01225	0.01955	1.92E-03	3.19E-03	1.81E-03	1.85E-03	1.75E-03	5.08E-04	8.11E-04	1.32E-03	4.96E-04	7.91E-04	1.29E-03	4.89E-04	7.81E-04	1.27E-03
269	488049.44, 3856839.39	0.01211	0.01896	1.90E-03	3.09E-03	1.79E-03	1.83E-03	1.73E-03	5.02E-04	7.87E-04	1.29E-03	4.90E-04	7.68E-04	1.26E-03	4.84E-04	7.57E-04	1.24E-03
270	488099.44, 3856839.39	0.01199	0.01842	1.88E-03	3.01E-03	1.77E-03	1.81E-03	1.71E-03	4.97E-04	7.64E-04	1.26E-03	4.85E-04	7.46E-04	1.23E-03	4.79E-04	7.36E-04	1.21E-03
271	488149.44, 3856839.39	0.01187	0.01791	1.86E-03	2.92E-03	1.75E-03	1.79E-03	1.69E-03	4.92E-04	7.43E-04	1.24E-03	4.81E-04	7.25E-04	1.21E-03	4.74E-04	7.15E-04	1.19E-03
272	488199.44, 3856839.39	0.01176	0.01743	1.84E-03	2.85E-03	1.74E-03	1.78E-03	1.68E-03	4.88E-04	7.23E-04	1.21E-03	4.76E-04	7.06E-04	1.18E-03	4.70E-04	6.96E-04	1.17E-03
273	487949.44, 3856889.39	0.01268	0.02091	1.99E-03	3.41E-03	1.87E-03	1.92E-03	1.81E-03	5.26E-04	8.68E-04	1.39E-03	5.13E-04	8.47E-04	1.36E-03	5.07E-04	8.35E-04	1.34E-03
274	487999.44, 3856889.39	0.01257	0.02022	1.97E-03	3.30E-03	1.86E-03	1.90E-03	1.79E-03	5.22E-04	8.39E-04	1.36E-03	5.09E-04	8.19E-04	1.33E-03	5.02E-04	8.08E-04	1.31E-03
275	488049.44, 3856889.39	0.01239	0.01959	1.94E-03	3.20E-03	1.83E-03	1.87E-03	1.77E-03	5.14E-04	8.13E-04	1.33E-03	5.02E-04	7.93E-04	1.29E-03	4.95E-04	7.83E-04	1.28E-03
276	488099.44, 3856889.39	0.01228	0.01899	1.92E-03	3.10E-03	1.81E-03	1.86E-03	1.75E-03	5.09E-04	7.88E-04	1.30E-03	4.97E-04	7.69E-04	1.27E-03	4.91E-04	7.59E-04	1.25E-03
277	488635.86, 3857895.05	0.02125	0.02878	3.33E-03	4.70E-03	3.14E-03	3.21E-03	3.03E-03	8.82E-04	1.19E-03	2.08E-03	8.60E-04	1.17E-03	2.03E-03	8.49E-04	1.15E-03	2.00E-03
278	489137.64, 3857804.15	0.01598	0.01839	2.50E-03	3.00E-03	2.36E-03	2.42E-03	2.28E-03	6.63E-04	7.63E-04	1.43E-03	6.47E-04	7.45E-04	1.39E-03	6.38E-04	7.35E-04	1.37E-03
279	488617.32, 3857859.41	0.0207	0.0282	3.24E-03	4.60E-03	3.06E-03	3.13E-03	2.95E-03	8.59E-04	1.17E-03	2.03E-03	8.38E-04	1.14E-03	1.98E-03	8.27E-04	1.13E-03	1.95E-03
280	488667.32, 3857859.41	0.0202	0.02688	3.16E-03	4.39E-03	2.98E-03	3.05E-03	2.88E-03	8.38E-04	1.12E-03	1.95E-03	8.18E-04	1.09E-03	1.91E-03	8.07E-04	1.07E-03	1.88E-03
281	488717.32, 3857859.41	0.01973	0.02569	3.09E-03	4.19E-03	2.91E-03	2.98E-03	2.81E-03	8.19E-04	1.07E-03	1.88E-03	7.99E-04	1.04E-03	1.84E-03	7.88E-04	1.03E-03	1.81E-03
282	488767.32, 3857859.41	0.01933	0.02464	3.03E-03	4.02E-03	2.85E-03	2.92E-03	2.76E-03	8.02E-04	1.02E-03	1.82E-03	7.83E-04	9.98E-04	1.78E-03	7.72E-04	9.84E-04	1.76E-03
283	488617.32, 3857909.41	0.02175	0.0298	3.41E-03	4.86E-03	3.21E-03	3.29E-03	3.10E-03	9.02E-04	1.24E-03	2.14E-03	8.81E-04	1.21E-03	2.09E-03	8.69E-04	1.19E-03	2.06E-03
284	488667.32, 3857909.41	0.02128	0.02839	3.33E-03	4.63E-03	3.14E-03	3.22E-03	3.03E-03	8.83E-04	1.18E-03	2.06E-03	8.62E-04	1.15E-03	2.01E-03	8.50E-04	1.13E-03	1.98E-03
285	488717.32, 3857909.41	0.0207	0.02699	3.24E-03	4.41E-03	3.06E-03	3.13E-03	2.95E-03	8.59E-04	1.12E-03	1.98E-03	8.38E-04	1.09E-03	1.93E-03	8.27E-04	1.08E-03	1.91E-03
286	488767.32, 3857909.41	0.02025	0.02583	3.17E-03	4.22E-03	2.99E-03	3.06E-03	2.89E-03	8.40E-04	1.07E-03	1.91E-03	8.20E-04	1.05E-03	1.87E-03	8.09E-04	1.03E-03	1.84E-03
287	488417.32, 3857959.41	0.02564	0.04109	4.02E-03	6.71E-03	3.78E-03	3.88E-03	3.66E-03	1.06E-03	1.70E-03	2.77E-03	1.04E-03	1.66E-03	2.70E-03	1.02E-03	1.64E-03	2.67E-03
288	488467.32, 3857959.41	0.02491	0.03819	3.90E-03	6.23E-03	3.68E-03	3.77E-03	3.55E-03	1.03E-03	1.58E-03	2.62E-03	1.01E-03	1.55E-03	2.55E-03	9.95E-04	1.53E-03	2.52E-03
289	488517.32, 3857959.41	0.02424	0.03575	3.80E-03	5.84E-03	3.58E-03	3.66E-03	3.46E-03	1.01E-03	1.48E-03	2.49E-03	9.81E-04	1.45E-03	2.43E-03	9.68E-04	1.43E-03	2.40E-03
290	488567.32, 3857959.41	0.02361	0.03359	3.70E-03	5.48E-03	3.48E-03	3.57E-03	3.37E-03	9.80E-04	1.39E-03	2.37E-03	9.56E-04	1.36E-03	2.32E-03	9.43E-04	1.34E-03	2.28E-03
291	488617.32, 3857959.41	0.02297	0.03167	3.60E-03	5.17E-03	3.39E-03	3.47E-03	3.28E-03	9.53E-04	1.31E-03	2.27E-03	9.30E-04	1.28E-03	2.21E-03	9.18E-04	1.27E-03	2.18E-03
292	488667.32, 3857959.41	0.02237	0.02999	3.50E-03	4.90E-03	3.30E-03	3.38E-03	3.19E-03	9.28E-04	1.24E-03	2.17E-03	9.06E-04	1.21E-03	2.12E-03	8.94E-04	1.20E-03	2.09E-03
293	488717.32, 3857959.41	0.02182	0.02853	3.42E-03	4.66E-03	3.22E-03	3.30E-03	3.11E-03	9.05E-04	1.18E-03	2.09E-03	8.83E-04	1.16E-03	2.04E-03	8.72E-04	1.14E-03	2.01E-03
294	488767.32, 3857959.41	0.02128	0.02719	3.33E-03	4.44E-03	3.14E-03	3.22E-03	3.03E-03	8.83E-04	1.13E-03	2.01E-03	8.62E-04	1.10E-03	1.96E-03	8.50E-04	1.09E-03	1.94E-03
295	488417.32, 3858009.41	0.02736	0.04485	4.29E-03	7.32E-03	4.04E-03	4.14E-03	3.90E-03	1.14E-03	1.86E-03	3.00E-03	1.11E-03	1.82E-03	2.92E-03	1.09E-03	1.79E-03	2.88E-03
296	488467.32, 3858009.41	0.02655	0.04145	4.16E-03	6.77E-03	3.92E-03	4.01E-03	3.79E-03	1.10E-03	1.72E-03	2.82E-03	1.07E-03	1.68E-03	2.75E-03	1.06E-03	1.66E-03	2.72E-03
297	488517.32, 3858009.41	0.02578	0.03854	4.04E-03	6.29E-03	3.80E-03	3.90E-03	3.68E-03	1.07E-03	1.60E-03	2.67E-03	1.04E-03	1.56E-03	2.60E-03	1.03E-03	1.54E-03	2.57E-03
298	488567.32, 3858009.41	0.02507	0.03606	3.93E-03	5.89E-03	3.70E-03	3.79E-03	3.57E-03	1.04E-03	1.50E-03	2.54E-03	1.01E-03	1.46E-03	2.47E-03	1.00E-03	1.44E-03	2.44E-03
299	488617.32, 3858009.41	0.02433	0.03382	3.81E-03	5.52E-03	3.59E-03	3.68E-03	3.47E-03	1.01E-03	1.40E-03	2.41E-03	9.85E-04	1.37E-03	2.35E-03	9.72E-04	1.35E-03	2.32E-03
300	488667.32, 3858009.41	0.02363	0.03187	3.70E-03	5.20E-03	3.49E-03	3.57E-03	3.37E-03	9.80E-04	1.32E-03	2.30E-03	9.57E-04	1.29E-03	2.25E-03	9.44E-04	1.27E-03	2.22E-03
301	488717.32, 3858009.41	0.02301	0.0302	3.60E-03	4.93E-03	3.40E-03	3.48E-03	3.28E-03	9.55E-04	1.25E-03	2.21E-03	9.32E-04	1.22E-03	2.15E-03	9.19E-04	1.21E-03	2.13E-03
302	488767.32, 3858009.41	0.02242	0.02871	3.51E-03	4.69E-03	3.31E-03	3.39E-03	3.20E-03	9.30E-04	1.19E-03	2.12E-03	9.08E-04	1.16E-03	2.07E-03	8.96E-04	1.15E-03	2.04E-03
303	488417.32, 3858059.41	0.0294	0.04951	4.61E-03	8.08E-03	4.34E-03	4.44E-03	4.19E-03	1.22E-03	2.05E-03	3.27E-03	1.19E-03	2.00E-03	3.19E-03	1.17E-03	1.98E-03	3.15E-03
304	488467.32, 3858059.41	0.02845	0.04537	4.46E-03	7.41E-03	4.20E-03	4.30E-03	4.06E-03	1.18E-03	1.88E-03	3.06E-03	1.15E-03	1.84E-03	2.99E-03	1.14E-03	1.81E-03	2.95E-03
305	488517.32, 3858059.41	0.02755	0.04187	4.32E-03	6.83E-03	4.07E-03	4.16E-03	3.93E-03	1.14E-03	1.74E-03	2.88E-03	1.12E-03	1.70E-03	2.81E-03	1.10E-03	1.67E-03	2.77E-03
306	488567.32, 3858059.41	0.02672	0.03895	4.19E-03	6.36E-03	3.94E-03	4.04E-03	3.81E-03	1.11E-03	1.62E-03	2.72E-03	1.08E-03	1.58E-03	2.66E-03	1.07E-03	1.56E-03	2.62E-03
307	488617.32, 3858059.41	0.02593	0.0364	4.06E-03	5.94E-03	3.83E-03	3.92E-03	3.70E-03	1.08E-03	1.51E-03	2.59E-03	1.05E-03	1.47E-03	2.52E-03	1.04E-03	1.45E-03	2.49E-03
308	488667.32, 3858059.41	0.02513	0.03412	3.94E-03	5.57E-03	3.71E-03	3.80E-03	3.58E-03	1.04E-03	1.42E-03	2.46E-03	1.02E-03	1.38E-03	2.40E-03	1.00E-03	1.36E-03	2.37E-03
309	488417.32, 3858109.41	0.0316	0.05483	4.95E-03	8.95E-03	4.66E-03	4.78E-03	4.51E-03	1.31E-03	2.27E-03	3.59E-03	1.28E-03	2.22E-03	3.50E-03	1.26E-03	2.19E-03	3.45E-03
310	488467.32, 3858109.41	0.03055	0.0499	4.79E-03	8.15E-03	4.51E-03	4.62E-03	4.36E-03	1.27E-03	2.07E-03	3.34E-03	1.24E-03	2.02E-03	3.26E-03	1.22E-03	1.99E-03	3.21E-03
311	488517.32, 3858109.41	0.02957	0.04585	4.63E-03	7.48E-03	4.36E-03	4.47E-03	4.22E-03	1.23E-03	1.90E-03	3.13E-03	1.20E-03	1.86E-03	3.05E-03	1.18E-03	1.83E-03	3.01E-03
312	488567.32, 3858109.41	0.0286	0.04231	4.48E-03	6.91E-03	4.22E-03	4.32E-03	4.08E-03	1.19E-03	1.76E-03	2.94E-03	1.16E-03	1.71E-03	2.87E-03	1.14E-03	1.69E-03	2.83E-03
313	488617.32, 3858109.41	0.02771	0.03928	4.34E-03	6.41E-03	4.09E-03	4.19E-03	3.95E-03	1.15E-03	1.63E-03	2.78E-03	1.12E-03	1.59E-03	2.71E-03	1.11E-03	1.57E-03	2.68E-03
314	488667.32, 3858109.41	0.02677	0.03663	4.19E-03	5.98E-03	3.95E-03	4.05E-03	3.82E-03	1.11E-03	1.52E-03	2.63E-03	1.08E-03	1.48E-03	2.57E-03	1.07E-03	1.46E-03	2.53E-03
315	488769.93, 3858449.27	0.04258	0.05797	6.67E-03	9.46E-03	6.28E-03	6.44E-03	6.07E-03	1.77E-03	2.41E-03	4.17E-03	1.72E-03	2.35E-03	4.07E-03	1.70E-03	2.32E-03	4.02E-03
316	488819.93, 3858449.27	0.04027	0.05221	6.31E-03	8.52E-03	5.94E-03	6.09E-03	5.74E-03	1.67E-03	2.17E-03	3.84E-03	1.63E-03	2.11E-03	3.74E-03	1.61E-03	2.09E-03	3.69E-03
317	488819.93, 3858499.27	0.04477	0.05865	7.01E-03	9.57E-03	6.61E-03	6.77E-03	6.38E-03	1.86E-03	2.43E-03	4.29E-03	1.81E-03	2.37E-03	4.19E-03	1.79E-03	2.34E-03	4.13E-03
318	488869.93, 3858499.27	0.04219	0.05278	6.61E-03	8.62E-03	6.23E-03	6.38E-03	6.02E-03	1.75E-03	2.19E-03	3.94E-03	1.71E-03	2.14E-03	3.84E-03	1.69E-03	2.11E-03	3.79E-03
319	488869.93, 3858549.27	0.04716	0.05941	7.39E-03	9.70E-03	6.96E-03	7.13E-03	6.72E-03	1.96E-03	2.46E-03	4.42E-03	1.91E-03	2.41E-03	4.31E-03	1.88E-03	2.37E-03	4.26E-03
320	489438.17, 3859571.48	0.0233	0.02238	3.65E-03	3.65E-03	3.44E-03	3.52E-03	3.32E-03	9.67E-04	9.28E-04	1.90E-03	9.43E-04	9.06E-04	1.85E-03	9.31E-04	8.94E-04	1.82E-03
321	489488.17, 3859571.48	0.02549	0.02455	3.99E-03	4.01E-03	3.76E-03	3.85E-03	3.63E-03	1.06E-03	1.02E-03	2.08E-03	1.03E-03	9.94E-04	2.03E-03	1.02E-03	9.81E-04	2.00E-03
322	489538.17, 3859571.48	0.02818	0.0272	4.41E-03	4.44E-03	4.16E-03	4.26E-03	4.02E-03	1.17E-03	1.13E-03	2.30E-03	1.14E-03	1.10E-03	2.24E-03	1.13E-03	1.09E-03	2.21E-03
323	489588.17, 3859571.48	0.03146	0.03044	4.93E-03	4.97E-03	4.64E-03	4.76E-03	4.49E-03	1.31E-03	1.26E-03	2.57E-03	1.27E-03	1.23E-03	2.51E-03	1.26E-03	1.22E-03	2.47E-03
324	489438.17, 3859621.48	0.02012	0.01935	3.15E-03	3.16E-03	2.97E-03	3.04E-03	2.87E-03	8.35E-04	8.03E-04	1.64E-03	8.15E-04	7.83E-04	1.60E-03	8.04E-04	7.73E-04	1.58E-03
325	489488.17, 3859621.48	0.02169	0.0209	3.40E-03	3.41E-03	3.20E-03	3.28E-03	3.09E-03	9.00E-04	8.67E-04	1.77E-03	8.78E-04	8.46E-04	1.72E-03	8.66E-04	8.35E-04	1.70E-03
326	489538.17, 3859621.48	0.02356	0.02275	3.69E-03	3.71E-03	3.48E-03	3.56E-03	3.36E-03	9.77E-04	9.44E-04	1.92E-03	9.54E-04	9.21E-04	1.87E-03	9.41E-04	9.09E-04	1.85E-03
327	489588.17, 3859621.48	0.02585	0.02503	4.05E-03	4.09E-03	3.82E-03	3.91E-03	3.69E-03	1.07E-03	1.04E-03	2.11E-03	1.05E-03	1.01E-03	2.06E-03	1.03E-03	1.00E-03	2.03E-03
328	489238.17, 3859671.48	0.01426	0.01364	2.23E-03	2.23E-03	2.10E-03	2.16E-03	2.03E-03	5.92E-04	5.66E-04	1.16E-03	5.77E-04	5.52E-04	1.13E-03	5.70E-04	5.45E-04	1.11E-03
329	489288.17, 3859671.48	0.01497	0.01435	2.35E-03	2.34E-03	2.21E-03	2.26E-03	2.13E-03	6.21E-04	5.95E-04	1.22E-03	6.06E-04	5.81E-04	1.19E-03	5.98E-04	5.73E-04	1.17E-03
330	489338.17, 3859671.48	0.01579	0.01516	2.47E-03	2.47E-03	2.33E-03	2.39E-03	2.25E-03	6.55E-04	6.29E-04	1.28E-03	6.39E-04	6.14E-04	1.25E-03	6.31E-04	6.06E-04	1.24E-03
331	489388.17, 3859671.48	0.01674	0.01609	2.62E-03	2.63E-03	2.47E-03	2.53E-03	2.39E-03	6.95E-04	6.68E-04	1.36E-03	6.78E-04	6.51E-04	1.33E-03	6.69E-04	6.43E-04	1.31E-03
332	489438.17, 3859671.48	0.01776	0.0171	2.78E-03	2.79E-03	2.62E-03	2.68E-03	2.53E-03	7.37E-04	7.09E-04	1.45E-03	7.19E-04	6.92E-04	1.41E-03	7.09E-04	6.83E-04	1.39E-03
333	489488.17, 3859671.48	0.01899	0.01832	2.97E-03	2.99E-03	2.80E-03	2.87E-03	2.71E-03	7.88E-04	7.60E-04	1.55E-03	7.69E-04	7.42E-04	1.51E-03	7.59E-04	7.32E-04	1.49E-03
334	489538.17, 3859671.48	0.02038	0.01969	3.19E-03	3.21E-03	3.01E-03	3.08E-03	2.91E-03	8.46E-04	8.17E-04	1.66E-03	8.25E-04	7.97E-04	1.62E-03	8.14E-04	7.87E-04	1.60E-03
335	489588.17, 3859671.48	0.02201	0.02131	3.45E-03	3.48E-03	3.25E-03	3.33E-03	3.14E-03	9.13E-04	8.84E-04	1.80E-03	8.91E-04	8.63E-04	1.75E-03	8.79E-04	8.51E-04	1.73E-03
336	489238.17, 3859721.48	0.01312	0.01257	2.06E-03	2.05E-03	1.94E-03	1.98E-03	1.87E-03	5.44E-04	5.22E-04	1.07E-03	5.31E-04	5.09E-04	1.04E-03	5.24E-04	5.02E-04	1.03E-03
337	489288.17, 3859721.48	0.01374	0.01319	2.15E-03	2.15E-03	2.03E-03	2.08E-03	1.96E-03	5.70E-04	5.47E-04	1.12E-03	5.56E-04	5.34E-04	1.09E-03	5.49E-04	5.27E-04	1.08E-03
338	489338.17, 3859721.48	0.0144	0.01385	2.26E-03	2.26E-03	2.13E-03	2.18E-03	2.05E-03	5.97E-04	5.75E-04	1.17E-03	5.83E-04	5.61E-04	1.14E-03	5.75E-04	5.53E-04	1.13E-03
339	489388.17, 3859721.48	0.01514	0.01458	2.37E-03	2.38E-03	2.23E-03	2.29E-03	2.16E-03	6.28E-04	6.05E-04	1.23E-03	6.13E-04	5.90E-04	1.20E-03	6.05E-04	5.82E-04	1.19E-03
340	489438.17, 3859721.48	0.01595	0.01539	2.50E-03	2.51E-03	2.35E-03	2.41E-03	2.27E-03	6.62E-04	6.38E-04	1.30E-03	6.46E-04	6.23E-04	1.27E-03	6.37E-04	6.15E-04	1.25E-03
341	489488.17, 3859721.48	0.01691	0.01634	2.65E-03	2.67E-03	2.50E-03	2.56E-03	2.41E-03	7.02E-04	6.78E-04	1.38E-03	6.85E-04	6.62E-04	1.35E-03	6.76E-04	6.53E-04	1.33E-03
342	489538.17, 3859721.48	0.01798	0.01739	2.82E-03	2.84E-03	2.65E-03	2.72E-03	2.56E-03	7.46E-04	7.21E-04	1.47E-03	7.28E-04	7.04E-04	1.43E-03	7.18E-04	6.95E-04	1.41E-03
343	489588.17, 3859721.48	0.01919	0.0186	3.01E-03	3.04E-03	2.83E-03	2.90E-03	2.74E-03	7.96E-04	7.72E-04	1.57E-03	7.77E-04	7.53E-04	1.53E-03	7.67E-04	7.43E-04	1.51E-03
344	489238.17, 3859771.48	0.01217	0.01168	1.91E-03	1.91E-03	1.80E-03	1.84E-03	1.74E-03	5.05E-04	4.85E-04	9.89E-04	4.93E-04	4.73E-04	9.66E-04	4.86E-04	4.67E-04	9.53E-04

345	489288.17, 3859771.48	0.01269	0.01221	1.99E-03	1.99E-03	1.87E-03	1.92E-03	1.81E-03	5.26E-04	5.07E-04	1.03E-03	5.14E-04	4.94E-04	1.01E-03	5.07E-04	4.88E-04	9.95E-04
346	489338.17, 3859771.48	0.01323	0.01275	2.07E-03	2.08E-03	1.95E-03	2.00E-03	1.89E-03	5.49E-04	5.29E-04	1.08E-03	5.36E-04	5.16E-04	1.05E-03	5.28E-04	5.09E-04	1.04E-03
347	489388.17, 3859771.48	0.01383	0.01335	2.17E-03	2.18E-03	2.04E-03	2.09E-03	1.97E-03	5.74E-04	5.54E-04	1.13E-03	5.60E-04	5.40E-04	1.10E-03	5.52E-04	5.33E-04	1.09E-03
348	489438.17, 3859771.48	0.01449	0.014	2.27E-03	2.29E-03	2.14E-03	2.19E-03	2.07E-03	6.01E-04	5.81E-04	1.18E-03	5.87E-04	5.67E-04	1.15E-03	5.79E-04	5.59E-04	1.14E-03
349	489488.17, 3859771.48	0.01527	0.01477	2.39E-03	2.41E-03	2.25E-03	2.31E-03	2.18E-03	6.34E-04	6.13E-04	1.25E-03	6.18E-04	5.98E-04	1.22E-03	6.10E-04	5.90E-04	1.20E-03
350	489538.17, 3859771.48	0.0161	0.01561	2.52E-03	2.55E-03	2.38E-03	2.43E-03	2.30E-03	6.68E-04	6.48E-04	1.32E-03	6.52E-04	6.32E-04	1.28E-03	6.43E-04	6.24E-04	1.27E-03
351	489588.17, 3859771.48	0.01703	0.01652	2.67E-03	2.70E-03	2.51E-03	2.57E-03	2.43E-03	7.07E-04	6.85E-04	1.39E-03	6.89E-04	6.69E-04	1.36E-03	6.80E-04	6.60E-04	1.34E-03
352	489238.17, 3859821.48	0.01136	0.01091	1.78E-03	1.78E-03	1.68E-03	1.72E-03	1.62E-03	4.71E-04	4.53E-04	9.24E-04	4.60E-04	4.42E-04	9.02E-04	4.54E-04	4.36E-04	8.90E-04
353	489288.17, 3859821.48	0.0118	0.01136	1.85E-03	1.85E-03	1.74E-03	1.78E-03	1.68E-03	4.90E-04	4.71E-04	9.61E-04	4.78E-04	4.60E-04	9.38E-04	4.71E-04	4.54E-04	9.25E-04
354	489338.17, 3859821.48	0.01225	0.01182	1.92E-03	1.93E-03	1.81E-03	1.85E-03	1.75E-03	5.08E-04	4.90E-04	9.99E-04	4.96E-04	4.79E-04	9.74E-04	4.89E-04	4.72E-04	9.62E-04
355	489388.17, 3859821.48	0.01276	0.01233	2.00E-03	2.01E-03	1.88E-03	1.93E-03	1.82E-03	5.29E-04	5.12E-04	1.04E-03	5.17E-04	4.99E-04	1.02E-03	5.10E-04	4.93E-04	1.00E-03
356	489438.17, 3859821.48	0.01332	0.0129	2.09E-03	2.11E-03	1.97E-03	2.01E-03	1.90E-03	5.53E-04	5.35E-04	1.09E-03	5.39E-04	5.22E-04	1.06E-03	5.32E-04	5.15E-04	1.05E-03
357	489488.17, 3859821.48	0.01394	0.01351	2.18E-03	2.21E-03	2.06E-03	2.11E-03	1.99E-03	5.78E-04	5.61E-04	1.14E-03	5.64E-04	5.47E-04	1.11E-03	5.57E-04	5.40E-04	1.10E-03
358	489538.17, 3859821.48	0.0146	0.01416	2.29E-03	2.31E-03	2.15E-03	2.21E-03	2.08E-03	6.06E-04	5.87E-04	1.19E-03	5.91E-04	5.73E-04	1.16E-03	5.83E-04	5.66E-04	1.15E-03
359	489588.17, 3859821.48	0.01532	0.01488	2.40E-03	2.43E-03	2.26E-03	2.32E-03	2.18E-03	6.36E-04	6.17E-04	1.25E-03	6.20E-04	6.02E-04	1.22E-03	6.12E-04	5.94E-04	1.21E-03
360	489238.17, 3859871.48	0.01066	0.01025	1.67E-03	1.67E-03	1.57E-03	1.61E-03	1.52E-03	4.42E-04	4.25E-04	8.68E-04	4.32E-04	4.15E-04	8.47E-04	4.26E-04	4.09E-04	8.35E-04
361	489288.17, 3859871.48	0.01103	0.01063	1.73E-03	1.74E-03	1.63E-03	1.67E-03	1.57E-03	4.58E-04	4.41E-04	8.99E-04	4.47E-04	4.30E-04	8.77E-04	4.41E-04	4.25E-04	8.65E-04
362	489338.17, 3859871.48	0.01142	0.01103	1.79E-03	1.80E-03	1.69E-03	1.73E-03	1.63E-03	4.74E-04	4.58E-04	9.31E-04	4.62E-04	4.47E-04	9.09E-04	4.56E-04	4.41E-04	8.97E-04
363	489388.17, 3859871.48	0.01186	0.01148	1.86E-03	1.87E-03	1.75E-03	1.79E-03	1.69E-03	4.92E-04	4.76E-04	9.68E-04	4.80E-04	4.65E-04	9.45E-04	4.74E-04	4.59E-04	9.32E-04
364	489438.17, 3859871.48	0.01234	0.01196	1.93E-03	1.95E-03	1.82E-03	1.87E-03	1.76E-03	5.12E-04	4.96E-04	1.01E-03	5.00E-04	4.84E-04	9.84E-04	4.93E-04	4.78E-04	9.71E-04
365	489488.17, 3859871.48	0.01282	0.01244	2.01E-03	2.03E-03	1.89E-03	1.94E-03	1.83E-03	5.32E-04	5.16E-04	1.05E-03	5.19E-04	5.04E-04	1.02E-03	5.12E-04	4.97E-04	1.01E-03
366	489538.17, 3859871.48	0.01335	0.01297	2.09E-03	2.12E-03	1.97E-03	2.02E-03	1.90E-03	5.54E-04	5.38E-04	1.09E-03	5.40E-04	5.25E-04	1.07E-03	5.33E-04	5.18E-04	1.05E-03
367	489588.17, 3859871.48	0.01393	0.01354	2.18E-03	2.21E-03	2.06E-03	2.11E-03	1.99E-03	5.78E-04	5.62E-04	1.14E-03	5.64E-04	5.48E-04	1.11E-03	5.56E-04	5.41E-04	1.10E-03
368	489238.17, 3859921.48	0.01007	0.00968	1.58E-03	1.58E-03	1.49E-03	1.52E-03	1.44E-03	4.18E-04	4.02E-04	8.19E-04	4.08E-04	3.92E-04	8.00E-04	4.02E-04	3.87E-04	7.89E-04
369	489288.17, 3859921.48	0.01039	0.01002	1.63E-03	1.64E-03	1.53E-03	1.57E-03	1.48E-03	4.31E-04	4.16E-04	8.47E-04	4.21E-04	4.06E-04	8.26E-04	4.15E-04	4.00E-04	8.15E-04
370	489338.17, 3859921.48	0.01073	0.01037	1.68E-03	1.69E-03	1.58E-03	1.62E-03	1.53E-03	4.45E-04	4.30E-04	8.75E-04	4.34E-04	4.20E-04	8.54E-04	4.29E-04	4.14E-04	8.43E-04
371	489388.17, 3859921.48	0.0111	0.01075	1.74E-03	1.75E-03	1.64E-03	1.68E-03	1.58E-03	4.61E-04	4.46E-04	9.07E-04	4.49E-04	4.35E-04	8.85E-04	4.43E-04	4.29E-04	8.73E-04
372	489438.17, 3859921.48	0.01147	0.01113	1.80E-03	1.82E-03	1.69E-03	1.73E-03	1.64E-03	4.76E-04	4.62E-04	9.38E-04	4.64E-04	4.51E-04	9.15E-04	4.58E-04	4.45E-04	9.03E-04
373	489488.17, 3859921.48	0.01186	0.01152	1.86E-03	1.88E-03	1.75E-03	1.79E-03	1.69E-03	4.92E-04	4.78E-04	9.70E-04	4.80E-04	4.66E-04	9.47E-04	4.74E-04	4.60E-04	9.34E-04
374	489538.17, 3859921.48	0.01229	0.01196	1.93E-03	1.95E-03	1.81E-03	1.86E-03	1.75E-03	5.10E-04	4.96E-04	1.01E-03	4.98E-04	4.84E-04	9.82E-04	4.91E-04	4.78E-04	9.69E-04
375	489588.17, 3859921.48	0.0127	0.01237	1.99E-03	2.02E-03	1.87E-03	1.92E-03	1.81E-03	5.27E-04	5.13E-04	1.04E-03	5.14E-04	5.01E-04	1.01E-03	5.07E-04	4.94E-04	1.00E-03
376	489238.17, 3859971.48	0.00955	0.00919	1.50E-03	1.50E-03	1.41E-03	1.44E-03	1.36E-03	3.96E-04	3.81E-04	7.77E-04	3.87E-04	3.72E-04	7.59E-04	3.81E-04	3.67E-04	7.49E-04
377	489288.17, 3859971.48	0.00982	0.00948	1.54E-03	1.55E-03	1.45E-03	1.48E-03	1.40E-03	4.07E-04	3.93E-04	8.01E-04	3.98E-04	3.84E-04	7.81E-04	3.92E-04	3.79E-04	7.71E-04
378	489338.17, 3859971.48	0.01012	0.00979	1.59E-03	1.60E-03	1.49E-03	1.53E-03	1.44E-03	4.20E-04	4.06E-04	8.26E-04	4.10E-04	3.96E-04	8.06E-04	4.04E-04	3.91E-04	7.95E-04
379	489388.17, 3859971.48	0.01042	0.0101	1.63E-03	1.65E-03	1.54E-03	1.58E-03	1.49E-03	4.32E-04	4.19E-04	8.51E-04	4.22E-04	4.09E-04	8.31E-04	4.16E-04	4.03E-04	8.20E-04
380	489438.17, 3859971.48	0.01066	0.01037	1.67E-03	1.69E-03	1.57E-03	1.61E-03	1.52E-03	4.42E-04	4.30E-04	8.72E-04	4.32E-04	4.20E-04	8.51E-04	4.26E-04	4.14E-04	8.40E-04
381	489488.17, 3859971.48	0.01081	0.01057	1.69E-03	1.73E-03	1.60E-03	1.63E-03	1.54E-03	4.48E-04	4.39E-04	8.87E-04	4.38E-04	4.28E-04	8.66E-04	4.32E-04	4.22E-04	8.54E-04
382	489538.17, 3859971.48	0.01096	0.01075	1.72E-03	1.75E-03	1.62E-03	1.66E-03	1.56E-03	4.55E-04	4.46E-04	9.01E-04	4.44E-04	4.35E-04	8.79E-04	4.38E-04	4.29E-04	8.67E-04
383	489588.17, 3859971.48	0.01115	0.01094	1.75E-03	1.79E-03	1.65E-03	1.69E-03	1.59E-03	4.63E-04	4.54E-04	9.16E-04	4.51E-04	4.43E-04	8.94E-04	4.45E-04	4.37E-04	8.82E-04
384	483577.7, 3854071	0.02318	0.05455	3.63E-03	8.90E-03	3.42E-03	3.50E-03	3.31E-03	9.62E-04	2.26E-03	3.22E-03	9.38E-04	2.21E-03	3.15E-03	9.26E-04	2.18E-03	3.11E-03
385	483627.7, 3854071	0.02182	0.0497	3.42E-03	8.11E-03	3.22E-03	3.30E-03	3.11E-03	9.05E-04	2.06E-03	2.97E-03	8.83E-04	2.01E-03	2.90E-03	8.72E-04	1.99E-03	2.86E-03
386	483677.7, 3854071	0.02059	0.0456	3.23E-03	7.44E-03	3.04E-03	3.11E-03	2.94E-03	8.54E-04	1.89E-03	2.75E-03	8.34E-04	1.85E-03	2.68E-03	8.23E-04	1.82E-03	2.64E-03
387	483727.7, 3854071	0.01948	0.04215	3.05E-03	6.88E-03	2.88E-03	2.94E-03	2.78E-03	8.08E-04	1.75E-03	2.56E-03	7.89E-04	1.71E-03	2.50E-03	7.78E-04	1.68E-03	2.46E-03
388	483777.7, 3854071	0.01832	0.03888	2.87E-03	6.35E-03	2.70E-03	2.77E-03	2.61E-03	7.60E-04	1.61E-03	2.37E-03	7.42E-04	1.57E-03	2.32E-03	7.32E-04	1.55E-03	2.28E-03
389	483577.7, 3854121	0.02338	0.06583	3.66E-03	1.07E-02	3.45E-03	3.53E-03	3.33E-03	9.70E-04	2.73E-03	3.70E-03	9.47E-04	2.67E-03	3.61E-03	9.34E-04	2.63E-03	3.56E-03
390	483627.7, 3854121	0.02185	0.0586	3.42E-03	9.57E-03	3.22E-03	3.30E-03	3.12E-03	9.07E-04	2.43E-03	3.34E-03	8.85E-04	2.37E-03	3.26E-03	8.73E-04	2.34E-03	3.21E-03
391	483677.7, 3854121	0.02039	0.05259	3.19E-03	8.58E-03	3.01E-03	3.08E-03	2.91E-03	8.46E-04	2.18E-03	3.03E-03	8.25E-04	2.13E-03	2.95E-03	8.15E-04	2.10E-03	2.92E-03
392	483727.7, 3854121	0.01908	0.04757	2.99E-03	7.76E-03	2.82E-03	2.88E-03	2.72E-03	7.92E-04	1.97E-03	2.77E-03	7.72E-04	1.93E-03	2.70E-03	7.62E-04	1.90E-03	2.66E-03
393	483777.7, 3854121	0.01807	0.04364	2.83E-03	7.12E-03	2.67E-03	2.73E-03	2.58E-03	7.50E-04	1.81E-03	2.56E-03	7.32E-04	1.77E-03	2.50E-03	7.22E-04	1.74E-03	2.47E-03
394	483577.7, 3854171	0.02326	0.08112	3.64E-03	1.32E-02	3.43E-03	3.52E-03	3.32E-03	9.65E-04	3.37E-03	4.33E-03	9.42E-04	3.28E-03	4.23E-03	9.29E-04	3.24E-03	4.17E-03
395	483627.7, 3854171	0.02149	0.07003	3.37E-03	1.14E-02	3.17E-03	3.25E-03	3.06E-03	8.92E-04	2.91E-03	3.80E-03	8.70E-04	2.84E-03	3.71E-03	8.58E-04	2.80E-03	3.66E-03
396	483677.7, 3854171	0.02008	0.06178	3.15E-03	1.01E-02	2.96E-03	3.04E-03	2.86E-03	8.33E-04	2.56E-03	3.40E-03	8.13E-04	2.50E-03	3.31E-03	8.02E-04	2.47E-03	3.27E-03
397	483727.7, 3854171	0.01892	0.05533	2.96E-03	9.03E-03	2.79E-03	2.86E-03	2.70E-03	7.85E-04	2.30E-03	3.08E-03	7.66E-04	2.24E-03	3.01E-03	7.56E-04	2.21E-03	2.97E-03
398	483777.7, 3854171	0.01785	0.04992	2.80E-03	8.15E-03	2.63E-03	2.70E-03	2.55E-03	7.41E-04	2.07E-03	2.81E-03	7.23E-04	2.02E-03	2.74E-03	7.13E-04	1.99E-03	2.71E-03
399	483827.7, 3854171	0.01671	0.04495	2.62E-03	7.34E-03	2.47E-03	2.53E-03	2.38E-03	6.93E-04	1.86E-03	2.56E-03	6.76E-04	1.82E-03	2.50E-03	6.68E-04	1.80E-03	2.46E-03
400	483877.7, 3854171	0.01592	0.04139	2.49E-03	6.76E-03	2.35E-03	2.41E-03	2.27E-03	6.60E-04	1.72E-03	2.38E-03	6.45E-04	1.68E-03	2.32E-03	6.36E-04	1.65E-03	2.29E-03
401	483727.7, 3854221	0.01886	0.06636	2.95E-03	1.08E-02	2.78E-03	2.85E-03	2.69E-03	7.82E-04	2.75E-03	3.54E-03	7.64E-04	2.69E-03	3.45E-03	7.53E-04	2.65E-03	3.40E-03
402	483777.7, 3854221	0.01774	0.05869	2.78E-03	9.58E-03	2.62E-03	2.68E-03	2.53E-03	7.36E-04	2.43E-03	3.17E-03	7.18E-04	2.38E-03	3.09E-03	7.09E-04	2.34E-03	3.05E-03
403	483827.7, 3854221	0.01701	0.0534	2.66E-03	8.72E-03	2.51E-03	2.57E-03	2.43E-03	7.06E-04	2.22E-03	2.92E-03	6.89E-04	2.16E-03	2.85E-03	6.79E-04	2.13E-03	2.81E-03
404	483877.7, 3854221	0.01605	0.04807	2.51E-03	7.85E-03	2.37E-03	2.43E-03	2.29E-03	6.66E-04	1.99E-03	2.66E-03	6.50E-04	1.95E-03	2.60E-03	6.41E-04	1.92E-03	2.56E-03
405	489150.19, 3858726.45	0.04973	0.05357	7.79E-03	8.74E-03	7.34E-03	7.52E-03	7.09E-03	2.06E-03	2.22E-03	4.29E-03	2.01E-03	2.17E-03	4.18E-03	1.99E-03	2.14E-03	4.13E-03
406	489200.19, 3858726.45	0.04656	0.04918	7.29E-03	8.03E-03	6.87E-03	7.04E-03	6.64E-03	1.93E-03	2.04E-03	3.97E-03	1.88E-03	1.99E-03	3.88E-03	1.86E-03	1.96E-03	3.82E-03
407	489150.19, 3858776.45	0.05699	0.06215	8.93E-03	1.01E-02	8.41E-03	8.61E-03	8.13E-03	2.36E-03	2.58E-03	4.94E-03	2.31E-03	2.52E-03	4.82E-03	2.28E-03	2.48E-03	4.76E-03
408	489200.19, 3858776.45	0.05272	0.05614	8.26E-03	9.16E-03	7.78E-03	7.97E-03	7.52E-03	2.19E-03	2.33E-03	4.52E-03	2.13E-03	2.27E-03	4.41E-03	2.11E-03	2.24E-03	4.35E-03
409	488919.6, 3856400.76	0.00865	0.01128	1.36E-03	1.84E-03	1.28E-03	1.31E-03	1.23E-03	3.59E-04	4.68E-04	8.27E-04	3.50E-04	4.57E-04	8.07E-04	3.46E-04	4.51E-04	7.96E-04
410	488919.6, 3856450.76	0.0088	0.01144	1.38E-03	1.87E-03	1.30E-03	1.33E-03	1.25E-03	3.65E-04	4.75E-04	8.40E-04	3.56E-04	4.63E-04	8.19E-04	3.52E-04	4.57E-04	8.09E-04
411	488969.6, 3856450.76	0.00873	0.01128	1.37E-03	1.84E-03	1.29E-03	1.32E-03	1.24E-03	3.62E-04	4.68E-04	8.30E-04	3.53E-04	4.57E-04	8.10E-04	3.49E-04	4.51E-04	7.99E-04
412	488919.6, 3856500.76	0.00896	0.01161	1.40E-03	1.90E-03	1.32E-03	1.35E-03	1.28E-03	3.72E-04	4.82E-04	8.53E-04	3.63E-04	4.70E-04	8.33E-04	3.58E-04	4.64E-04	8.22E-04
413	488969.6, 3856500.76	0.00889	0.01144	1.39E-03	1.87E-03	1.31E-03	1.34E-03	1.27E-03	3.69E-04	4.75E-04	8.43E-04	3.60E-04	4.63E-04	8.23E-04	3.55E-04	4.57E-04	8.12E-04
414	488919.6, 3856550.76	0.00913	0.01178	1.43E-03	1.92E-03	1.35E-03	1.38E-03	1.30E-03	3.79E-04	4.89E-04	8.68E-04	3.70E-04	4.77E-04	8.47E-04	3.65E-04	4.71E-04	8.35E-04
415	488969.6, 3856550.76	0.00905	0.01161	1.42E-03	1.90E-03	1.34E-03	1.37E-03	1.29E-03	3.75E-04	4.82E-04	8.57E-04	3.66E-04	4.70E-04	8.36E-04	3.62E-04	4.64E-04	8.25E-04
416	488819.6, 3856600.76	0.00946	0.01233	1.48E-03	2.01E-03	1.40E-03	1.43E-03	1.35E-03	3.92E-04	5.12E-04	9.04E-04	3.83E-04	4.99E-04	8.82E-04	3.78E-04	4.93E-04	8.70E-04
417	488869.6, 3856600.76	0.00937	0.01214	1.47E-03	1.98E-03	1.38E-03	1.42E-03	1.34E-03	3.89E-04	5.04E-04	8.92E-04	3.79E-04	4.91E-04	8.71E-04	3.74E-04	4.85E-04	8.59E-04
418	488919.6, 3856600.76	0.0093	0.01195	1.46E-03	1.95E-03	1.37E-03	1.41E-03	1.33E-03	3.86E-04	4.96E-04	8.82E-04	3.77E-04	4.84E-04	8.60E-04	3.72E-04	4.77E-04	8.49E-04
419	488819.6, 3856650.76	0.00964	0.01252	1.51E-03	2.04E-03	1.42E-03	1.46E-03	1.37E-03	4.00E-04	5.19E-04	9.19E-04	3.90E-04	5.07E-04	8.97E-04	3.85E-04	5.00E-04	8.85E-04
420	488869.6, 3856650.76	0.00955	0.01232	1.50E-03	2.01E-03	1.41E-03	1.44E-03	1.36E-03	3.96E-04	5.11E-04	9.07E-04	3.87E-04	4.99E-04	8.85E-04	3.81E-04	4.92E-04	8.74E-04
421	488819.6, 3856700.76	0.00983	0.01273	1.54E-03	2.08E-03	1.45E-03	1.49E-03	1.40E-03	4.08E-04	5.28E-04	9.36E-04	3.98E-04	5.15E-04	9.13E-04	3.93E-04	5.09E-04	9.01E-04
422	488869.6, 3856700.76	0.00973	0.01252	1.52E-03	2.04E-03	1.44E-03	1.47E-03	1.39E-03	4.04E-04	5.19E-04	9.23E-04	3.94E-04	5.07E-04	9.01E-04	3.89E-04	5.00E-04	8.89E-04
423	488819.6, 3856750.76	0.01002	0.01294	1.57E-03	2.11E-03	1.48E-03	1.51E-03	1.43E-03	4.16E-04	5.37E-04	9.53E-04	4.06E-04	5.24E-04	9.30E-04	4.00E-04	5.17E-04	9.17E-04
424	488869.6, 3856750.76	0.00993	0.01273	1.56E-03	2.08E-03	1.47E-03	1.50E-03	1.42E-03	4.12E-04	5.28E-04	9.40E-04	4.02E-04	5.15E-04	9.17E-04	3.97E-04	5.09E-04	9.05E-04
425	488819.6, 3857050.76	0.01137	0.01448	1.78E-03	2.36E-03	1.68E-03	1.72E-03	1.62E-03	4.72E-04	6.01E-04	1.07E-03	4.60E-04	5.86E-04	1.05E-03	4.54E-04	5.78E-04	1.03E-03
426	488869.6, 3857050.76	0.01126	0.0142	1.76E-03	2.32E-03	1.66E-03	1.70E-03	1.61E-03	4.67E-04	5.89E-04	1.06E-03	4.56E-04	5.75E-04	1.03E-03	4.50E-04	5.67E-04	1.02E-03
427	488919.6, 3857050.76	0.01115	0.01393	1.75E-03	2.27E-03	1.65E-03	1.69E-03	1.59E-03	4.63E-04	5.78E-04	1.04E-03	4.51E-04	5.64E-04	1.02E-03	4.45E-04	5.56E-04	1.00E-03
428	488819.6, 3857100.76	0.01164	0.0148	1.82E-03	2.42E-03	1.72E-03	1.76E-03	1.66E-03	4.83E-04	6.14E-04	1.10E-03	4.71E-04	5.99E-04	1.07E-03	4.65E-04	5.91E-04	1.06E-03
429	488869.6, 3857100.76	0.01152	0.0145	1.80E-03	2.37E-03	1.70E-03	1.74E-03	1.64E-03	4.78E-04	6.02E-04	1.08E-03	4.66E-04	5.87E-04	1.05E-03	4.60E-04	5.79E-04	1.04E-03
430	488919.6, 3857100.76	0.01141	0.01421	1.79E-03	2.32E-03	1.68E-03	1.72E-03	1.63E-03	4.73E-04	5.90E-04	1.06E-03	4.62E-04	5.75E-04	1.04E-03	4.56E-04	5.68E-04	1.02E-03
431	488819.6, 3857150.76	0.01193	0.01514	1.87E-03	2.47E-03	1.76E-03	1.80E-03	1.70E-03	4.95E-04	6.28E-04	1.12E-03	4.83E-04	6.13E-04	1.10E-03	4.77E-04	6.05E-04	1.08E-03
432	488869.6, 3857150.76	0.0118	0.01482	1.85E-03	2.42E-03	1.74E-03	1.78E-03	1.68E-03	4.90E-04	6.15E-04	1.10E-03	4.78E-04	6.00E-04	1.08E-03	4.71E-04	5.92E-04	1.06E-03
433	488919.6, 3857150.76	0.01168	0.01452	1.83E-03	2.37E-03	1.72E-03	1.77E-03	1.67E-03	4.85E-04	6.02E-04	1.09E-03	4.73E-04	5.88E-04	1.06E-03	4.67E-04	5.80E-04	1.05E-03
434	488969.6, 3857150.76	0.01156	0.01423	1.81E-03	2.32E-03	1.71E-03	1.75E-03	1.65E-03	4.80E-04	5.90E-04	1.07E-03	4.68E-04	5.76E-04	1.04E-03	4.62E-04	5.68E-04	1.03E-03
435	488819.6, 3857200.76	0.01223	0.0155	1.92E-03	2.53E-03	1.80E-03	1.85E-03	1.74E-03	5.07E-04	6.43E-04	1.15E-03	4.95E-04	6.28E-04	1.12E-03	4.89E-04	6.19E-04	1.11E-03
436	488869.6, 3857200.76	0.0121	0.01516	1.90E-03	2.47E-03	1.79E-03	1.83E-03	1.73E-03	5.02E-04	6.29E-04	1.13E-03	4.90E-04	6.14E-04	1.10E-03	4.83E-04	6.06E-04	1.09E-03
437	488919.6, 3857200.76	0.01197	0.01484	1.88E-03	2.42E-03	1.77E-03	1.81E-03	1.71E-03	4.97E-04	6.16E-04	1.11E-03	4.85E-04	6.01E-04	1.09E-03	4.78E-04	5.93E-04	1.07E-03
438	488969.6, 3857200.76	0.01184	0.01454	1.85E-03	2.37E-03	1.75E-03	1.79E-03	1.69E-03	4.91E-04	6.03E-04	1.09E-03	4.79E-04	5.89E-04	1.07E-03	4.73E-04	5.81E-04	1.05E-03
439	488819.6, 3857250.76	0.01255	0.01588	1.97E-03	2.59E-03	1.85E-03	1.90E-03	1.79E-03	5.21E-04	6.59E-04	1.18E-03	5.08E-04	6.43E-04	1.15E-03	5.01E-04	6.34E-04	1.14E-03
440	488869.6, 3857250.76	0.01241	0.01552	1.94E-03	2.53E-03	1.83E-03	1.88E-03	1.77E-03	5.15E-04	6.44E-04	1.16E-03	5.02E-04	6.28E-04	1.13E-03	4.96E-04	6.20E-04	1.12E-03
441	488919.6, 3857250.76	0.01227	0.01519	1.92E-03	2.48E-03	1.81E-03	1.85E-03	1.75E-03	5.09E-04	6.30E-04	1.14E-03	4.97E-04	6.15E-04	1.11E-03	4.90E-04	6.07E-04	1.10E-03
442	488969.6, 3857250.76	0.01214	0.01487	1.90E-03	2.43E-03	1.79E-03	1.84E-03	1.73E-03	5.04E-04	6.17E-04	1.12E-03	4.91E-04	6.02E-04	1.09E-03	4.85E-04	5.94E-04	1.08E-03
443	488819.6, 3857300.76	0.01289	0.01628	2.02E-03	2.66E-03	1.90E-03	1.95E-03	1.84E-03	5.35E-04	6.75E-04	1.21E-03	5.22E-04	6.59E-04	1.18E-03	5.15E-04	6.50E-04	1.17E-03
444	488869.6, 3857300.76	0.01274	0.01591	2.00E-03	2.60E-03	1.88E-03	1.93E-03	1.82E-03	5.29E-04	6.60E-04	1.19E-03	5.16E-04	6.44E-04	1.16E-03	5.09E-04	6.36E-04	1.14E-03
445	488919.6, 3857300.76	0.0126	0.01555	1.97E-03	2.54E-03	1.86E-03	1.90E-03	1.80E-03	5.23E-04	6.45E-04	1.17E-03	5.10E-04	6.30E-04	1.14E-03	5.03E-04	6.21E-04	1.12E-03
446	488819.6, 3857450.76	0.01404	0.01767	2.20E-03	2.88E-03	2.07E-03	2.12E-03	2.00E-03	5.82E-04	7.33E-04	1.32E-03	5.68E-04	7.15E-04	1.28E-03	5.61E-04	7.06E-04	1.27E-03
447	488869.6, 3857450.76	0.01385	0.01721	2.17E-03	2.81E-03	2.04E-03	2.09E-03	1.97E-03	5.75E-04	7.14E-04	1.29E-03	5.61E-04	6.97E-04	1.26E-03	5.53E-04	6.87E-04	1.24E-03
448	488919.6, 3857450.76	0.01369	0.01679	2.14E-03	2.74E-03	2.02E-03	2.07E-03	1.95E-03	5.68E-04	6.97E-04	1.26E-03	5.54E-04	6.80E-04	1.23E-03	5.47E-04	6.71E-04	1.22E-03
449	488819.6, 3857500.76	0.01446	0.0182	2.27E-03	2.97E-03	2.13E-03	2.19E-03	2.06E-03	6.00E-04	7.55E-04	1.35E-03	5.85E-04	7.37E-04	1.32E-03	5.78E-04	7.27E-04	1.30E-03
450	488869.6, 3857500.76	0.01428	0.01771	2.24E-03	2.89E-03	2.11E-03	2.16E-03	2.04E-03	5.92E-04	7.35E-04	1.33E-03	5.78E-04	7.17E-04	1.30E-03	5.70E-04	7.07E-04	1.28E-03
451	488919.6, 3857500.76	0.0141	0.01726	2.21E-03	2.82E-03	2.08E-03	2.13E-03	2.01E-03	5.85E-04	7.16E-04	1.30E-03	5.71E-04	6.99E-04	1.27E-03	5.63E-04	6.89E-04	1.25E-03
452	488819.6, 3857550.76	0.01493	0.01877	2.34E-03	3.06E-03	2.20E-03	2.26E-03	2.13E-03	6.19E-04	7.79E-04	1.40E-03	6.04E-04	7.60E-04	1.36E-03	5.96E-04	7.50E-04	1.35E-03
453	488869.6, 3857550.76	0.01472	0.01825	2.31E-03	2.98E-03	2.17E-03	2.23E-03	2.10E-03	6.11E-04	7.57E-04	1.37E-03	5.96E-04	7.39E-04	1.33E-03	5.88E-04	7.29E-04	1.32E-03
454	488919.6, 3857550.76	0.01454	0.01776	2.28E-03	2.90E-03	2.15E-03	2.20E-03	2.07E-03	6.03E-04	7.37E-04	1.34E-03	5.89E-04	7.19E-04	1.31E-03	5.81E-04	7.09E-04	1.29E-03
455	489663.71, 3860900.05	0.00549	0.00539	8.60E-04	8.80E-04	8.10E-04	8.30E-04	7.83E-04	2.28E-04	2.24E-04	4.51E-04	2.22E-04	2.18E-04	4.40E-04	2.19E-04	2.15E-04	4.35E-04
456	489813.71, 3860900.05	0.00576	0.00565	9.02E-04	9.22E-04	8.50E-04	8.71E-04	8.21E-04	2.39E-04	2.34E-04	4.73E-04	2.33E-04	2.29E-04	4.62E-04	2.30E-04	2.26E-04	4.56E-04
457	489863.71, 3860900.05	0.00585	0.00574	9.16E-04	9.37E-04	8.63E-04	8.84E-04	8.34E-04	2.43E-04	2.38E-04	4.81E-04	2.37E-04	2.32E-04	4.69E-04	2.34E-04	2.29E-04	4.63E-04
458	489913.71, 3860900.05	0.00595	0.00584	9.32E-04	9.53E-04	8.78E-04	8.99E-04	8.48E-04	2.47E-04	2.42E-04	4.89E-04	2.41E-04	2.36E-04	4.77E-04	2.38E-04	2.33E-04	4.71E-04
459	489963.71, 3860900.05	0.00605	0.00594	9.48E-04	9.70E-04	8.93E-04	9.15E-04	8.63E-04	2.51E-04	2.46E-04	4.97E-04	2.45E-04	2.40E-04	4.85E-04	2.42E-04	2.37E-04	4.79E-04
460	490013.71, 3860900.05	0.00616	0.00605	9.65E-04	9.88E-04	9.09E-04	9.31E-04	8.78E-04	2.56E-04	2.51E-04	5.07E-04	2.49E-04	2.45E-04	4.94E-04	2.46E-04	2.42E-04	4.88E-04

461	490063.71, 3860900.05	0.00627	0.00616	9.82E-04	1.01E-03	9.25E-04	9.48E-04	8.94E-04	2.60E-04	2.56E-04	5.16E-04	2.54E-04	2.49E-04	5.03E-04	2.50E-04	2.46E-04	4.97E-04
462	489663.71, 3860950.05	0.00534	0.00525	8.37E-04	8.57E-04	7.88E-04	8.07E-04	7.61E-04	2.22E-04	2.18E-04	4.39E-04	2.16E-04	2.13E-04	4.29E-04	2.13E-04	2.10E-04	4.23E-04
463	489813.71, 3860950.05	0.00559	0.00549	8.76E-04	8.96E-04	8.25E-04	8.45E-04	7.97E-04	2.32E-04	2.28E-04	4.60E-04	2.26E-04	2.22E-04	4.49E-04	2.23E-04	2.19E-04	4.43E-04
464	489863.71, 3860950.05	0.00567	0.00557	8.88E-04	9.09E-04	8.37E-04	8.57E-04	8.08E-04	2.35E-04	2.31E-04	4.66E-04	2.30E-04	2.25E-04	4.55E-04	2.26E-04	2.23E-04	4.49E-04
465	489913.71, 3860950.05	0.00576	0.00567	9.02E-04	9.26E-04	8.50E-04	8.71E-04	8.21E-04	2.39E-04	2.35E-04	4.74E-04	2.33E-04	2.30E-04	4.63E-04	2.30E-04	2.26E-04	4.57E-04
466	489963.71, 3860950.05	0.00586	0.00576	9.18E-04	9.40E-04	8.65E-04	8.86E-04	8.36E-04	2.43E-04	2.39E-04	4.82E-04	2.37E-04	2.33E-04	4.70E-04	2.34E-04	2.30E-04	4.64E-04
467	490013.71, 3860950.05	0.00596	0.00586	9.34E-04	9.57E-04	8.80E-04	9.01E-04	8.50E-04	2.47E-04	2.43E-04	4.90E-04	2.41E-04	2.37E-04	4.79E-04	2.38E-04	2.34E-04	4.72E-04
468	490063.71, 3860950.05	0.00606	0.00596	9.49E-04	9.73E-04	8.94E-04	9.16E-04	8.64E-04	2.51E-04	2.47E-04	4.99E-04	2.45E-04	2.41E-04	4.87E-04	2.42E-04	2.38E-04	4.80E-04
469	489513.71, 3861000.05	0.00501	0.00491	7.85E-04	8.01E-04	7.39E-04	7.57E-04	7.14E-04	2.08E-04	2.04E-04	4.12E-04	2.03E-04	1.99E-04	4.02E-04	2.00E-04	1.96E-04	3.96E-04
470	489563.71, 3861000.05	0.00507	0.00497	7.94E-04	8.11E-04	7.48E-04	7.66E-04	7.23E-04	2.10E-04	2.06E-04	4.17E-04	2.05E-04	2.01E-04	4.06E-04	2.03E-04	1.99E-04	4.01E-04
471	489613.71, 3861000.05	0.00514	0.00504	8.05E-04	8.23E-04	7.59E-04	7.77E-04	7.33E-04	2.13E-04	2.09E-04	4.22E-04	2.08E-04	2.04E-04	4.12E-04	2.05E-04	2.01E-04	4.07E-04
472	489663.71, 3861000.05	0.00521	0.00511	8.16E-04	8.34E-04	7.69E-04	7.88E-04	7.43E-04	2.16E-04	2.12E-04	4.28E-04	2.11E-04	2.07E-04	4.18E-04	2.08E-04	2.04E-04	4.12E-04
473	489713.71, 3861000.05	0.00528	0.00519	8.27E-04	8.47E-04	7.79E-04	7.98E-04	7.53E-04	2.19E-04	2.15E-04	4.34E-04	2.14E-04	2.10E-04	4.24E-04	2.11E-04	2.07E-04	4.18E-04
474	489763.71, 3861000.05	0.00535	0.00526	8.38E-04	8.59E-04	7.90E-04	8.09E-04	7.63E-04	2.22E-04	2.18E-04	4.40E-04	2.17E-04	2.13E-04	4.30E-04	2.14E-04	2.10E-04	4.24E-04
475	489813.71, 3861000.05	0.00543	0.00535	8.51E-04	8.73E-04	8.01E-04	8.21E-04	7.74E-04	2.25E-04	2.22E-04	4.47E-04	2.20E-04	2.17E-04	4.36E-04	2.17E-04	2.14E-04	4.31E-04
476	489863.71, 3861000.05	0.00551	0.00542	8.63E-04	8.85E-04	8.13E-04	8.33E-04	7.86E-04	2.29E-04	2.25E-04	4.53E-04	2.23E-04	2.19E-04	4.42E-04	2.20E-04	2.17E-04	4.37E-04
477	489913.71, 3861000.05	0.0056	0.00551	8.77E-04	8.99E-04	8.26E-04	8.47E-04	7.98E-04	2.32E-04	2.29E-04	4.61E-04	2.27E-04	2.23E-04	4.50E-04	2.24E-04	2.20E-04	4.44E-04
478	489963.71, 3861000.05	0.00568	0.00559	8.90E-04	9.12E-04	8.38E-04	8.59E-04	8.10E-04	2.36E-04	2.32E-04	4.68E-04	2.30E-04	2.26E-04	4.56E-04	2.27E-04	2.23E-04	4.50E-04
479	490013.71, 3861000.05	0.00578	0.00568	9.05E-04	9.27E-04	8.53E-04	8.74E-04	8.24E-04	2.40E-04	2.36E-04	4.75E-04	2.34E-04	2.30E-04	4.64E-04	2.31E-04	2.27E-04	4.58E-04
480	490063.71, 3861000.05	0.00587	0.00578	9.20E-04	9.43E-04	8.66E-04	8.87E-04	8.37E-04	2.44E-04	2.40E-04	4.83E-04	2.38E-04	2.34E-04	4.72E-04	2.34E-04	2.31E-04	4.65E-04
481	489513.71, 3861050.05	0.0049	0.0048	7.68E-04	7.83E-04	7.23E-04	7.41E-04	6.99E-04	2.03E-04	1.99E-04	4.02E-04	1.98E-04	1.94E-04	3.93E-04	1.96E-04	1.92E-04	3.87E-04
482	489563.71, 3861050.05	0.00495	0.00486	7.75E-04	7.93E-04	7.31E-04	7.48E-04	7.06E-04	2.05E-04	2.02E-04	4.07E-04	2.00E-04	1.97E-04	3.97E-04	1.98E-04	1.94E-04	3.92E-04
483	489613.71, 3861050.05	0.00502	0.00493	7.86E-04	8.05E-04	7.41E-04	7.59E-04	7.16E-04	2.08E-04	2.05E-04	4.13E-04	2.03E-04	2.00E-04	4.03E-04	2.01E-04	1.97E-04	3.97E-04
484	489663.71, 3861050.05	0.00508	0.00499	7.96E-04	8.15E-04	7.50E-04	7.68E-04	7.24E-04	2.11E-04	2.07E-04	4.18E-04	2.06E-04	2.02E-04	4.08E-04	2.03E-04	1.99E-04	4.02E-04
485	489713.71, 3861050.05	0.00514	0.00506	8.05E-04	8.26E-04	7.59E-04	7.77E-04	7.33E-04	2.13E-04	2.10E-04	4.23E-04	2.08E-04	2.05E-04	4.13E-04	2.05E-04	2.02E-04	4.07E-04
486	489763.71, 3861050.05	0.00521	0.00513	8.16E-04	8.37E-04	7.69E-04	7.88E-04	7.43E-04	2.16E-04	2.13E-04	4.29E-04	2.11E-04	2.08E-04	4.19E-04	2.08E-04	2.05E-04	4.13E-04
487	489813.71, 3861050.05	0.00529	0.0052	8.29E-04	8.49E-04	7.81E-04	8.00E-04	7.54E-04	2.19E-04	2.16E-04	4.35E-04	2.14E-04	2.11E-04	4.25E-04	2.11E-04	2.08E-04	4.19E-04
488	489863.71, 3861050.05	0.00536	0.00528	8.40E-04	8.62E-04	7.91E-04	8.10E-04	7.64E-04	2.22E-04	2.19E-04	4.41E-04	2.17E-04	2.14E-04	4.31E-04	2.14E-04	2.11E-04	4.25E-04
489	489913.71, 3861050.05	0.00544	0.00536	8.52E-04	8.75E-04	8.03E-04	8.22E-04	7.76E-04	2.26E-04	2.22E-04	4.48E-04	2.20E-04	2.17E-04	4.37E-04	2.17E-04	2.14E-04	4.31E-04
490	489963.71, 3861050.05	0.00552	0.00544	8.65E-04	8.88E-04	8.15E-04	8.34E-04	7.87E-04	2.29E-04	2.26E-04	4.55E-04	2.23E-04	2.20E-04	4.44E-04	2.21E-04	2.17E-04	4.38E-04
491	490013.71, 3861050.05	0.00561	0.00553	8.79E-04	9.03E-04	8.28E-04	8.48E-04	8.00E-04	2.33E-04	2.29E-04	4.62E-04	2.27E-04	2.24E-04	4.51E-04	2.24E-04	2.21E-04	4.45E-04
492	490063.71, 3861050.05	0.0057	0.00561	8.93E-04	9.16E-04	8.41E-04	8.62E-04	8.13E-04	2.36E-04	2.33E-04	4.69E-04	2.31E-04	2.27E-04	4.58E-04	2.28E-04	2.24E-04	4.52E-04
493	489513.71, 3861100.05	0.00479	0.00469	7.50E-04	7.66E-04	7.07E-04	7.24E-04	6.83E-04	1.99E-04	1.95E-04	3.93E-04	1.94E-04	1.90E-04	3.84E-04	1.91E-04	1.87E-04	3.79E-04
494	489563.71, 3861100.05	0.00484	0.00475	7.58E-04	7.75E-04	7.14E-04	7.32E-04	6.90E-04	2.01E-04	1.97E-04	3.98E-04	1.96E-04	1.92E-04	3.88E-04	1.93E-04	1.90E-04	3.83E-04
495	489613.71, 3861100.05	0.00489	0.0048	7.66E-04	7.83E-04	7.22E-04	7.39E-04	6.97E-04	2.03E-04	1.99E-04	4.02E-04	1.98E-04	1.94E-04	3.92E-04	1.95E-04	1.92E-04	3.87E-04
496	489663.71, 3861100.05	0.00495	0.00486	7.75E-04	7.93E-04	7.31E-04	7.48E-04	7.06E-04	2.05E-04	2.02E-04	4.07E-04	2.00E-04	1.97E-04	3.97E-04	1.98E-04	1.94E-04	3.92E-04
497	489713.71, 3861100.05	0.00501	0.00493	7.85E-04	8.05E-04	7.39E-04	7.57E-04	7.14E-04	2.08E-04	2.05E-04	4.12E-04	2.03E-04	2.00E-04	4.02E-04	2.00E-04	1.97E-04	3.97E-04
498	489763.71, 3861100.05	0.00508	0.005	7.96E-04	8.16E-04	7.50E-04	7.68E-04	7.24E-04	2.11E-04	2.07E-04	4.18E-04	2.06E-04	2.02E-04	4.08E-04	2.03E-04	2.00E-04	4.03E-04
499	489813.71, 3861100.05	0.00515	0.00507	8.07E-04	8.28E-04	7.60E-04	7.78E-04	7.34E-04	2.14E-04	2.10E-04	4.24E-04	2.08E-04	2.05E-04	4.14E-04	2.06E-04	2.03E-04	4.08E-04
500	489863.71, 3861100.05	0.00522	0.00515	8.18E-04	8.41E-04	7.70E-04	7.89E-04	7.44E-04	2.17E-04	2.14E-04	4.30E-04	2.11E-04	2.08E-04	4.20E-04	2.09E-04	2.06E-04	4.14E-04
501	489913.71, 3861100.05	0.00529	0.00522	8.29E-04	8.52E-04	7.81E-04	8.00E-04	7.54E-04	2.19E-04	2.17E-04	4.36E-04	2.14E-04	2.11E-04	4.25E-04	2.11E-04	2.09E-04	4.20E-04
502	489963.71, 3861100.05	0.00537	0.0053	8.41E-04	8.65E-04	7.93E-04	8.12E-04	7.66E-04	2.23E-04	2.20E-04	4.43E-04	2.17E-04	2.15E-04	4.32E-04	2.15E-04	2.12E-04	4.26E-04
503	490013.71, 3861100.05	0.00545	0.00537	8.54E-04	8.77E-04	8.04E-04	8.24E-04	7.77E-04	2.26E-04	2.23E-04	4.49E-04	2.21E-04	2.17E-04	4.38E-04	2.18E-04	2.15E-04	4.32E-04
504	490063.71, 3861100.05	0.00554	0.00546	8.68E-04	8.91E-04	8.18E-04	8.37E-04	7.90E-04	2.30E-04	2.27E-04	4.56E-04	2.24E-04	2.21E-04	4.45E-04	2.21E-04	2.18E-04	4.39E-04
505	489713.71, 3861150.05	0.00489	0.00481	7.66E-04	7.85E-04	7.22E-04	7.39E-04	6.97E-04	2.03E-04	2.00E-04	4.02E-04	1.98E-04	1.95E-04	3.93E-04	1.95E-04	1.92E-04	3.87E-04
506	489763.71, 3861150.05	0.00495	0.00488	7.75E-04	7.97E-04	7.31E-04	7.48E-04	7.06E-04	2.05E-04	2.02E-04	4.08E-04	2.00E-04	1.98E-04	3.98E-04	1.98E-04	1.95E-04	3.93E-04
507	489813.71, 3861150.05	0.00502	0.00495	7.86E-04	8.08E-04	7.41E-04	7.59E-04	7.16E-04	2.08E-04	2.05E-04	4.14E-04	2.03E-04	2.00E-04	4.04E-04	2.01E-04	1.98E-04	3.98E-04
508	489863.71, 3861150.05	0.00508	0.00502	7.96E-04	8.19E-04	7.50E-04	7.68E-04	7.24E-04	2.11E-04	2.08E-04	4.19E-04	2.06E-04	2.03E-04	4.09E-04	2.03E-04	2.01E-04	4.03E-04
509	489913.71, 3861150.05	0.00515	0.00509	8.07E-04	8.31E-04	7.60E-04	7.78E-04	7.34E-04	2.14E-04	2.11E-04	4.25E-04	2.08E-04	2.06E-04	4.15E-04	2.06E-04	2.03E-04	4.09E-04
510	489963.71, 3861150.05	0.00523	0.00516	8.19E-04	8.42E-04	7.72E-04	7.91E-04	7.46E-04	2.17E-04	2.14E-04	4.31E-04	2.12E-04	2.09E-04	4.21E-04	2.09E-04	2.06E-04	4.15E-04
511	490013.71, 3861150.05	0.0053	0.00523	8.30E-04	8.54E-04	7.82E-04	8.01E-04	7.56E-04	2.20E-04	2.17E-04	4.37E-04	2.15E-04	2.12E-04	4.26E-04	2.12E-04	2.09E-04	4.21E-04
512	490063.71, 3861150.05	0.00538	0.00531	8.43E-04	8.67E-04	7.94E-04	8.13E-04	7.67E-04	2.23E-04	2.20E-04	4.44E-04	2.18E-04	2.15E-04	4.33E-04	2.15E-04	2.12E-04	4.27E-04
513	489613.71, 3861200.05	0.00466	0.00458	7.30E-04	7.48E-04	6.88E-04	7.04E-04	6.64E-04	1.93E-04	1.90E-04	3.83E-04	1.89E-04	1.85E-04	3.74E-04	1.86E-04	1.83E-04	3.69E-04
514	489663.71, 3861200.05	0.00472	0.00464	7.39E-04	7.57E-04	6.97E-04	7.13E-04	6.73E-04	1.96E-04	1.93E-04	3.88E-04	1.91E-04	1.88E-04	3.79E-04	1.89E-04	1.85E-04	3.74E-04
515	489713.71, 3861200.05	0.00477	0.0047	7.47E-04	7.67E-04	7.04E-04	7.21E-04	6.80E-04	1.98E-04	1.95E-04	3.93E-04	1.93E-04	1.90E-04	3.83E-04	1.91E-04	1.88E-04	3.78E-04
516	489763.71, 3861200.05	0.00483	0.00476	7.57E-04	7.77E-04	7.13E-04	7.30E-04	6.89E-04	2.00E-04	1.97E-04	3.98E-04	1.96E-04	1.93E-04	3.88E-04	1.93E-04	1.90E-04	3.83E-04
517	489813.71, 3861200.05	0.00489	0.00483	7.66E-04	7.88E-04	7.22E-04	7.39E-04	6.97E-04	2.03E-04	2.00E-04	4.03E-04	1.98E-04	1.96E-04	3.94E-04	1.95E-04	1.93E-04	3.88E-04
518	489863.71, 3861200.05	0.00496	0.0049	7.77E-04	8.00E-04	7.32E-04	7.50E-04	7.07E-04	2.06E-04	2.03E-04	4.09E-04	2.01E-04	1.98E-04	3.99E-04	1.98E-04	1.96E-04	3.94E-04
519	489913.71, 3861200.05	0.00502	0.00496	7.86E-04	8.10E-04	7.41E-04	7.59E-04	7.16E-04	2.08E-04	2.06E-04	4.14E-04	2.03E-04	2.01E-04	4.04E-04	2.01E-04	1.98E-04	3.99E-04
520	489963.71, 3861200.05	0.00509	0.00503	7.97E-04	8.21E-04	7.51E-04	7.69E-04	7.26E-04	2.11E-04	2.09E-04	4.20E-04	2.06E-04	2.04E-04	4.10E-04	2.03E-04	2.01E-04	4.04E-04
521	490013.71, 3861200.05	0.00516	0.0051	8.08E-04	8.32E-04	7.62E-04	7.80E-04	7.36E-04	2.14E-04	2.12E-04	4.26E-04	2.09E-04	2.06E-04	4.15E-04	2.06E-04	2.04E-04	4.10E-04
522	490063.71, 3861200.05	0.00524	0.00517	8.21E-04	8.44E-04	7.73E-04	7.92E-04	7.47E-04	2.17E-04	2.14E-04	4.32E-04	2.12E-04	2.09E-04	4.21E-04	2.09E-04	2.07E-04	4.16E-04
523	489513.71, 3861250.05	0.00446	0.00437	6.99E-04	7.13E-04	6.58E-04	6.74E-04	6.36E-04	1.85E-04	1.81E-04	3.66E-04	1.81E-04	1.77E-04	3.57E-04	1.78E-04	1.75E-04	3.53E-04
524	489563.71, 3861250.05	0.00451	0.00443	7.06E-04	7.23E-04	6.66E-04	6.82E-04	6.43E-04	1.87E-04	1.84E-04	3.71E-04	1.83E-04	1.79E-04	3.62E-04	1.80E-04	1.77E-04	3.57E-04
525	489613.71, 3861250.05	0.00456	0.00448	7.14E-04	7.31E-04	6.73E-04	6.89E-04	6.50E-04	1.89E-04	1.86E-04	3.75E-04	1.85E-04	1.81E-04	3.66E-04	1.82E-04	1.79E-04	3.61E-04
526	489663.71, 3861250.05	0.00461	0.00454	7.22E-04	7.41E-04	6.80E-04	6.97E-04	6.57E-04	1.91E-04	1.88E-04	3.80E-04	1.87E-04	1.84E-04	3.70E-04	1.84E-04	1.81E-04	3.66E-04
527	489713.71, 3861250.05	0.00466	0.00459	7.30E-04	7.49E-04	6.88E-04	7.04E-04	6.64E-04	1.93E-04	1.90E-04	3.84E-04	1.89E-04	1.86E-04	3.74E-04	1.86E-04	1.83E-04	3.70E-04
528	489763.71, 3861250.05	0.00472	0.00465	7.39E-04	7.59E-04	6.97E-04	7.13E-04	6.73E-04	1.96E-04	1.93E-04	3.89E-04	1.91E-04	1.88E-04	3.79E-04	1.89E-04	1.86E-04	3.74E-04
529	489813.71, 3861250.05	0.00478	0.00471	7.49E-04	7.69E-04	7.05E-04	7.23E-04	6.82E-04	1.98E-04	1.95E-04	3.94E-04	1.94E-04	1.91E-04	3.84E-04	1.91E-04	1.88E-04	3.79E-04
530	489863.71, 3861250.05	0.00484	0.00478	7.58E-04	7.80E-04	7.14E-04	7.32E-04	6.90E-04	2.01E-04	1.98E-04	3.99E-04	1.96E-04	1.94E-04	3.89E-04	1.93E-04	1.91E-04	3.84E-04
531	489913.71, 3861250.05	0.0049	0.00484	7.68E-04	7.90E-04	7.23E-04	7.41E-04	6.99E-04	2.03E-04	2.01E-04	4.04E-04	1.98E-04	1.96E-04	3.94E-04	1.96E-04	1.93E-04	3.89E-04
532	489963.71, 3861250.05	0.00496	0.00491	7.77E-04	8.01E-04	7.32E-04	7.50E-04	7.07E-04	2.06E-04	2.04E-04	4.09E-04	2.01E-04	1.99E-04	4.00E-04	1.98E-04	1.96E-04	3.94E-04
533	490013.71, 3861250.05	0.00503	0.00497	7.88E-04	8.11E-04	7.42E-04	7.60E-04	7.17E-04	2.09E-04	2.06E-04	4.15E-04	2.04E-04	2.01E-04	4.05E-04	2.01E-04	1.99E-04	3.99E-04
534	490063.71, 3861250.05	0.0051	0.00504	7.99E-04	8.23E-04	7.53E-04	7.71E-04	7.27E-04	2.12E-04	2.09E-04	4.21E-04	2.06E-04	2.04E-04	4.11E-04	2.04E-04	2.01E-04	4.05E-04
535	489528.13, 3861308.47	0.00437	0.00428	6.85E-04	6.99E-04	6.45E-04	6.61E-04	6.23E-04	1.81E-04	1.78E-04	3.59E-04	1.77E-04	1.73E-04	3.50E-04	1.75E-04	1.71E-04	3.46E-04
536	489578.13, 3861308.47	0.00441	0.00433	6.91E-04	7.07E-04	6.51E-04	6.67E-04	6.29E-04	1.83E-04	1.80E-04	3.63E-04	1.79E-04	1.75E-04	3.54E-04	1.76E-04	1.73E-04	3.49E-04
537	489628.13, 3861308.47	0.00446	0.00438	6.99E-04	7.15E-04	6.58E-04	6.74E-04	6.36E-04	1.85E-04	1.82E-04	3.67E-04	1.81E-04	1.77E-04	3.58E-04	1.78E-04	1.75E-04	3.53E-04
538	489678.13, 3861308.47	0.0045	0.00443	7.05E-04	7.23E-04	6.64E-04	6.80E-04	6.42E-04	1.87E-04	1.84E-04	3.70E-04	1.82E-04	1.79E-04	3.62E-04	1.80E-04	1.77E-04	3.57E-04
539	489728.13, 3861308.47	0.00456	0.00449	7.14E-04	7.33E-04	6.73E-04	6.89E-04	6.50E-04	1.89E-04	1.86E-04	3.75E-04	1.85E-04	1.82E-04	3.66E-04	1.82E-04	1.79E-04	3.62E-04
540	489778.13, 3861308.47	0.00461	0.00454	7.22E-04	7.41E-04	6.80E-04	6.97E-04	6.57E-04	1.91E-04	1.88E-04	3.80E-04	1.87E-04	1.84E-04	3.70E-04	1.84E-04	1.81E-04	3.66E-04
541	489678.13, 3861358.47	0.00441	0.00434	6.91E-04	7.08E-04	6.51E-04	6.67E-04	6.29E-04	1.83E-04	1.80E-04	3.63E-04	1.79E-04	1.76E-04	3.54E-04	1.76E-04	1.73E-04	3.50E-04
542	489728.13, 3861358.47	0.00445	0.00439	6.97E-04	7.17E-04	6.57E-04	6.73E-04	6.35E-04	1.85E-04	1.82E-04	3.67E-04	1.80E-04	1.78E-04	3.58E-04	1.78E-04	1.75E-04	3.53E-04
543	489528.13, 3861408.47	0.00419	0.0041	6.56E-04	6.69E-04	6.18E-04	6.33E-04	5.97E-04	1.74E-04	1.70E-04	3.44E-04	1.70E-04	1.66E-04	3.36E-04	1.67E-04	1.64E-04	3.31E-04
544	489578.13, 3861408.47	0.00423	0.00415	6.63E-04	6.77E-04	6.24E-04	6.39E-04	6.03E-04	1.75E-04	1.72E-04	3.48E-04	1.71E-04	1.68E-04	3.39E-04	1.69E-04	1.66E-04	3.35E-04
545	489628.13, 3861408.47	0.00427	0.0042	6.69E-04	6.86E-04	6.30E-04	6.45E-04	6.09E-04	1.77E-04	1.74E-04	3.51E-04	1.73E-04	1.70E-04	3.43E-04	1.71E-04	1.68E-04	3.38E-04
546	489678.13, 3861408.47	0.00431	0.00424	6.75E-04	6.92E-04	6.36E-04	6.52E-04	6.15E-04	1.79E-04	1.76E-04	3.55E-04	1.74E-04	1.72E-04	3.46E-04	1.72E-04	1.69E-04	3.42E-04
547	489728.13, 3861408.47	0.00436	0.00429	6.83E-04	7.00E-04	6.43E-04	6.59E-04	6.22E-04	1.81E-04	1.78E-04	3.59E-04	1.77E-04	1.74E-04	3.50E-04	1.74E-04	1.71E-04	3.46E-04
548	489528.13, 3861458.47	0.00411	0.00402	6.44E-04	6.56E-04	6.07E-04	6.21E-04	5.86E-04	1.71E-04	1.67E-04	3.37E-04	1.66E-04	1.63E-04	3.29E-04	1.64E-04	1.61E-04	3.25E-04
549	489578.13, 3861458.47	0.00415	0.00406	6.50E-04	6.63E-04	6.12E-04	6.27E-04	5.92E-04	1.72E-04	1.68E-04	3.41E-04	1.68E-04	1.64E-04	3.32E-04	1.66E-04	1.62E-04	3.28E-04
550	489628.13, 3861458.47	0.00419	0.00411	6.56E-04	6.71E-04	6.18E-04	6.33E-04	5.97E-04	1.74E-04	1.71E-04	3.44E-04	1.70E-04	1.66E-04	3.36E-04	1.67E-04	1.64E-04	3.32E-04
551	489678.13, 3861458.47	0.00423	0.00416	6.63E-04	6.79E-04	6.24E-04	6.39E-04	6.03E-04	1.75E-04	1.73E-04	3.48E-04	1.71E-04	1.68E-04	3.40E-04	1.69E-04	1.66E-04	3.35E-04
552	489728.13, 3861458.47	0.00427	0.0042	6.69E-04	6.86E-04	6.30E-04	6.45E-04	6.09E-04	1.77E-04	1.74E-04	3.51E-04	1.73E-04	1.70E-04	3.43E-04	1.71E-04	1.68E-04	3.38E-04
553	489528.13, 3861508.47	0.00403	0.00394	6.31E-04	6.43E-04	5.95E-04	6.09E-04	5.75E-04	1.67E-04	1.63E-04	3.31E-04	1.63E-04	1.60E-04	3.23E-04	1.61E-04	1.57E-04	3.18E-04
554	489578.13, 3861508.47	0.00407	0.00398	6.38E-04	6.50E-04	6.01E-04	6.15E-04	5.80E-04	1.69E-04	1.65E-04	3.34E-04	1.65E-04	1.61E-04	3.26E-04	1.63E-04	1.59E-04	3.22E-04
555	489628.13, 3861508.47	0.00411	0.00403	6.44E-04	6.58E-04	6.07E-04	6.21E-04	5.86E-04	1.71E-04	1.67E-04	3.38E-04	1.66E-04	1.63E-04	3.30E-04	1.64E-04	1.61E-04	3.25E-04
556	489678.13, 3861508.47	0.00414	0.00407	6.49E-04	6.64E-04	6.11E-04	6.26E-04	5.90E-04	1.72E-04	1.69E-04	3.41E-04	1.68E-04	1.65E-04	3.32E-04	1.65E-04	1.63E-04	3.28E-04
557	489728.13, 3861508.47	0.00418	0.00412	6.55E-04	6.73E-04	6.17E-04	6.32E-04	5.96E-04	1.73E-04	1.71E-04	3.44E-04	1.69E-04	1.67E-04	3.36E-04	1.67E-04	1.65E-04	3.32E-04
558	489628.13, 3861558.47	0.00403	0.00395	6.31E-04	6.45E-04	5.95E-04	6.09E-04	5.75E-04	1.67E-04	1.64E-04	3.31E-04	1.63E-04	1.60E-04	3.23E-04	1.61E-04	1.58E-04	3.19E-04
559	489678.13, 3861558.47	0.00407	0.00399	6.38E-04	6.51E-04	6.01E-04	6.15E-04	5.80E-04	1.69E-04	1.66E-04	3.34E-04	1.65E-04	1.62E-04	3.26E-04	1.63E-04	1.59E-04	3.22E-04
560	489728.13, 3861558.47	0.00411	0.00404	6.44E-04	6.59E-04	6.07E-04	6.21E-04	5.86E-04	1.71E-04	1.68E-04	3.38E-04	1.66E-04	1.64E-04	3.30E-04	1.64E-04	1.61E-04	3.26E-04
561	489357.08, 3861015.81	0.0048	0.00468	7.52E-04	7.64E-04	7.08E-04	7.26E-04	6.84E-04	1.99E-04	1.94E-04	3.93E-04	1.94E-04	1.89E-04	3.84E-04	1.92E-04	1.87E-04	3.79E-04
562	489407.08, 3861015.81	0.00485	0.00474	7.60E-04	7.74E-04	7.16E-04	7.33E-04	6.92E-04	2.01E-04	1.97E-04	3.98E-04	1.96E-04	1.92E-04	3.88E-04	1.94E-04	1.89E-04	3.83E-04
563	489457.08, 3861015.81	0.0049	0.0048	7.68E-04	7.83E-04	7.23E-04	7.41E-04	6.99E-04	2.03E-04	1.99E-04	4.02E-04	1.98E-04	1.94E-04	3.93E-04	1.96E-04	1.92E-04	3.87E-04
564	489357.08, 3861065.81	0.0047	0.00458	7.36E-04	7.48E-04	6.94E-04	7.10E-04	6.70E-04	1.95E-04	1.90E-04	3.85E-04	1.90E-04	1.85E-04	3.76E-04	1.88E-04	1.83E-04	3.71E-04
565	489407.08, 3861065.81	0.00474	0.00463	7.43E-04	7.56E-04	7.00E-04	7.17E-04	6.76E-04	1.97E-04	1.92E-04	3.89E-04	1.92E-04	1.87E-04	3.79E-04	1.89E-04	1.85E-04	3.74E-04
566	489457.08, 3861065.81	0.00479	0.00469	7.50E-04	7.66E-04	7.07E-04	7.24E-04	6.83E-04	1.99E-04	1.95E-04	3.93E-04	1.94E-04	1.90E-04	3.84E-04	1.91E-04	1.87E-04	3.79E-04
567	489357.08, 3861115.81	0.0046	0.00448	7.21E-04	7.31E-04	6.79E-04	6.95E-04	6.56E-04	1.91E-04	1.86E-04	3.77E-04	1.86E-04	1.81E-04	3.68E-04	1.84E-04	1.79E-04	3.63E-04
568	489407.08, 3861115.81	0.00464	0.00454	7.27E-04	7.41E-04	6.85E-04	7.01E-04	6.62E-04	1.93E-04	1.88E-04	3.81E-04	1.88E-04	1.84E-04	3.72E-04	1.85E-04	1.81E-04	3.67E-04
569	489457.08, 3861115.81	0.00469	0.00459	7.35E-04	7.49E-04	6.92E-04	7.09E-04	6.69E-04	1.95E-04	1.90E-04	3.85E-04	1.90E-04	1.86E-04	3.76E-04	1.87E-04	1.83E-04	3.71E-04
570	489407.08, 3861165.81	0.00454	0.00444	7.11E-04	7.25E-04	6.70E-04	6.86E-04	6.47E-04	1.88E-04	1.84E-04	3.73E-04	1.84E-04	1.80E-04	3.64E-04	1.81E-04	1.77E-04	3.59E-04
571	489457.08, 3861165.81	0.00459	0.00449	7.19E-04	7.33E-04	6.77E-04	6.94E-04	6.54E-04	1.90E-04	1.86E-04	3.77E-04	1.86E-04	1.82E-04	3.68E-04	1.83E-04	1.79E-04	3.63E-04
572	489407.08, 3861215.81	0.00444	0.00434	6.96E-04	7.08E-04	6.55E-04	6.71E-04	6.33E-04	1.84E-04	1.80E-04	3.64E-04	1.80E-04	1.76E-04	3.55E-04	1.77E-04	1.73E-04	3.51E-04
573	489457.08, 3861215.81	0.00448	0.00439	7.02E-04	7.17E-04	6.61E-04	6.77E-04	6.39E-04	1.86E-04	1.82E-04	3.68E-04	1.81E-04	1.78E-04	3.59E-04	1.79E-04	1.75E-04	3.54E-04
574	489407.08, 3861265.81	0.00434	0.00424	6.80E-04	6.92E-04	6.41E-04	6.56E-04	6.19E-04	1.80E-04	1.76E-04	3.56E-04	1.76E-04	1.72E-04	3.47E-04	1.73E-04	1.69E-04	3.43E-04
575	489457.08, 3861265.81	0.00438	0.00429	6.86E-04	7.00E-04	6.46E-04	6.62E-04	6.25E-04	1.82E-04	1.78E-04	3.60E-04	1.77E-04	1.74E-04	3.51E-04	1.75E-04	1.71E-04	3.46E-04
576	489309.86, 3861110.14	0.00456	0.00444	7.14E-04	7.25E-04	6.73E-04	6.89E-04	6.50E-04	1.89E-04	1.84E-04	3.73E-04	1.85E-04	1.80E-04	3.64E-04	1.82E-04	1.77E-04	3.60E-04

577	489407.08, 3861315.81	0.00425	0.00415	6.66E-04	6.77E-04	6.27E-04	6.42E-04	6.06E-04	1.76E-04	1.72E-04	3.48E-04	1.72E-04	1.68E-04	3.40E-04	1.70E-04	1.66E-04	3.36E-04
578	489457.08, 3861315.81	0.00429	0.0042	6.72E-04	6.86E-04	6.33E-04	6.48E-04	6.12E-04	1.78E-04	1.74E-04	3.52E-04	1.74E-04	1.70E-04	3.44E-04	1.71E-04	1.68E-04	3.39E-04
579	488906.03, 3861006.75	0.00443	0.00426	6.94E-04	6.95E-04	6.54E-04	6.70E-04	6.32E-04	1.84E-04	1.77E-04	3.61E-04	1.79E-04	1.72E-04	3.52E-04	1.77E-04	1.70E-04	3.47E-04
580	488956.03, 3861006.75	0.00447	0.00431	7.00E-04	7.04E-04	6.60E-04	6.76E-04	6.37E-04	1.85E-04	1.79E-04	3.64E-04	1.81E-04	1.74E-04	3.55E-04	1.79E-04	1.72E-04	3.51E-04
581	488904.24, 3861051.87	0.00436	0.00419	6.83E-04	6.84E-04	6.43E-04	6.59E-04	6.22E-04	1.81E-04	1.74E-04	3.55E-04	1.77E-04	1.70E-04	3.46E-04	1.74E-04	1.67E-04	3.42E-04
582	488954.24, 3861051.87	0.00439	0.00423	6.88E-04	6.90E-04	6.48E-04	6.64E-04	6.26E-04	1.82E-04	1.75E-04	3.58E-04	1.78E-04	1.71E-04	3.49E-04	1.75E-04	1.69E-04	3.44E-04
583	489004.24, 3861051.87	0.00444	0.00428	6.96E-04	6.99E-04	6.55E-04	6.71E-04	6.33E-04	1.84E-04	1.78E-04	3.62E-04	1.80E-04	1.73E-04	3.53E-04	1.77E-04	1.71E-04	3.48E-04
584	488804.24, 3861101.87	0.0042	0.00402	6.58E-04	6.56E-04	6.20E-04	6.35E-04	5.99E-04	1.74E-04	1.67E-04	3.41E-04	1.70E-04	1.63E-04	3.33E-04	1.68E-04	1.61E-04	3.28E-04
585	488854.24, 3861101.87	0.00424	0.00407	6.64E-04	6.64E-04	6.26E-04	6.41E-04	6.05E-04	1.76E-04	1.69E-04	3.45E-04	1.72E-04	1.65E-04	3.36E-04	1.69E-04	1.63E-04	3.32E-04
586	488904.24, 3861101.87	0.00426	0.0041	6.67E-04	6.69E-04	6.29E-04	6.44E-04	6.07E-04	1.77E-04	1.70E-04	3.47E-04	1.72E-04	1.66E-04	3.38E-04	1.70E-04	1.64E-04	3.34E-04
587	488954.24, 3861101.87	0.0043	0.00414	6.74E-04	6.76E-04	6.35E-04	6.50E-04	6.13E-04	1.78E-04	1.72E-04	3.50E-04	1.74E-04	1.68E-04	3.42E-04	1.72E-04	1.65E-04	3.37E-04
588	489004.24, 3861101.87	0.00433	0.00418	6.78E-04	6.82E-04	6.39E-04	6.55E-04	6.17E-04	1.80E-04	1.73E-04	3.53E-04	1.75E-04	1.69E-04	3.45E-04	1.73E-04	1.67E-04	3.40E-04
589	488804.24, 3861151.87	0.00411	0.00393	6.44E-04	6.41E-04	6.07E-04	6.21E-04	5.86E-04	1.71E-04	1.63E-04	3.34E-04	1.66E-04	1.59E-04	3.25E-04	1.64E-04	1.57E-04	3.21E-04
590	488854.24, 3861151.87	0.00414	0.00397	6.49E-04	6.48E-04	6.11E-04	6.26E-04	5.90E-04	1.72E-04	1.65E-04	3.36E-04	1.68E-04	1.61E-04	3.28E-04	1.65E-04	1.59E-04	3.24E-04
591	489129.49, 3861187.55	0.00427	0.00413	6.69E-04	6.74E-04	6.30E-04	6.45E-04	6.09E-04	1.77E-04	1.71E-04	3.48E-04	1.73E-04	1.67E-04	3.40E-04	1.71E-04	1.65E-04	3.36E-04
592	489179.49, 3861187.55	0.00431	0.00417	6.75E-04	6.81E-04	6.36E-04	6.52E-04	6.15E-04	1.79E-04	1.73E-04	3.52E-04	1.74E-04	1.69E-04	3.43E-04	1.72E-04	1.67E-04	3.39E-04
593	488804.24, 3861201.87	0.00403	0.00386	6.31E-04	6.30E-04	5.95E-04	6.09E-04	5.75E-04	1.67E-04	1.60E-04	3.27E-04	1.63E-04	1.56E-04	3.19E-04	1.61E-04	1.54E-04	3.15E-04
594	488854.24, 3861201.87	0.00406	0.00389	6.36E-04	6.35E-04	5.99E-04	6.14E-04	5.79E-04	1.68E-04	1.61E-04	3.30E-04	1.64E-04	1.57E-04	3.22E-04	1.62E-04	1.55E-04	3.18E-04
595	489129.49, 3861237.55	0.00419	0.00405	6.56E-04	6.61E-04	6.18E-04	6.33E-04	5.97E-04	1.74E-04	1.68E-04	3.42E-04	1.70E-04	1.64E-04	3.34E-04	1.67E-04	1.62E-04	3.29E-04
596	489179.49, 3861237.55	0.00422	0.00409	6.61E-04	6.68E-04	6.23E-04	6.38E-04	6.02E-04	1.75E-04	1.70E-04	3.45E-04	1.71E-04	1.66E-04	3.36E-04	1.69E-04	1.63E-04	3.32E-04
597	488804.24, 3861251.87	0.00396	0.00379	6.20E-04	6.19E-04	5.84E-04	5.99E-04	5.65E-04	1.64E-04	1.57E-04	3.22E-04	1.60E-04	1.53E-04	3.14E-04	1.58E-04	1.51E-04	3.10E-04
598	488854.24, 3861251.87	0.00398	0.00382	6.23E-04	6.24E-04	5.87E-04	6.02E-04	5.67E-04	1.65E-04	1.58E-04	3.24E-04	1.61E-04	1.55E-04	3.16E-04	1.59E-04	1.53E-04	3.12E-04
599	488804.24, 3861301.87	0.00388	0.00371	6.08E-04	6.06E-04	5.73E-04	5.87E-04	5.53E-04	1.61E-04	1.54E-04	3.15E-04	1.57E-04	1.50E-04	3.07E-04	1.55E-04	1.48E-04	3.03E-04
600	488854.24, 3861301.87	0.00391	0.00375	6.13E-04	6.12E-04	5.77E-04	5.91E-04	5.58E-04	1.62E-04	1.56E-04	3.18E-04	1.58E-04	1.52E-04	3.10E-04	1.56E-04	1.50E-04	3.06E-04
601	490943.5, 3860181.97	0.03132	0.03121	4.91E-03	5.09E-03	4.62E-03	4.73E-03	4.47E-03	1.30E-03	1.29E-03	2.59E-03	1.27E-03	1.26E-03	2.53E-03	1.25E-03	1.25E-03	2.50E-03
602	490993.5, 3860181.97	0.03531	0.03533	5.53E-03	5.77E-03	5.21E-03	5.34E-03	5.03E-03	1.46E-03	1.47E-03	2.93E-03	1.43E-03	1.43E-03	2.86E-03	1.41E-03	1.41E-03	2.82E-03
603	491043.5, 3860181.97	0.04077	0.04101	6.39E-03	6.69E-03	6.02E-03	6.16E-03	5.81E-03	1.69E-03	1.70E-03	3.39E-03	1.65E-03	1.66E-03	3.31E-03	1.63E-03	1.64E-03	3.27E-03
604	491093.5, 3860181.97	0.04856	0.04918	7.61E-03	8.03E-03	7.17E-03	7.34E-03	6.92E-03	2.01E-03	2.04E-03	4.06E-03	1.97E-03	1.99E-03	3.96E-03	1.94E-03	1.96E-03	3.90E-03
605	490943.5, 3860231.97	0.02644	0.02627	4.14E-03	4.29E-03	3.90E-03	4.00E-03	3.77E-03	1.10E-03	1.09E-03	2.19E-03	1.07E-03	1.06E-03	2.13E-03	1.06E-03	1.05E-03	2.11E-03
606	490993.5, 3860231.97	0.02938	0.02929	4.60E-03	4.78E-03	4.34E-03	4.44E-03	4.19E-03	1.22E-03	1.22E-03	2.43E-03	1.19E-03	1.19E-03	2.38E-03	1.17E-03	1.17E-03	2.34E-03
607	491043.5, 3860231.97	0.03297	0.03298	5.16E-03	5.38E-03	4.87E-03	4.98E-03	4.70E-03	1.37E-03	1.37E-03	2.74E-03	1.33E-03	1.34E-03	2.67E-03	1.32E-03	1.32E-03	2.63E-03
608	491093.5, 3860231.97	0.03783	0.03799	5.93E-03	6.20E-03	5.58E-03	5.72E-03	5.39E-03	1.57E-03	1.58E-03	3.15E-03	1.53E-03	1.54E-03	3.07E-03	1.51E-03	1.52E-03	3.03E-03
609	490943.5, 3860281.97	0.02295	0.02274	3.60E-03	3.71E-03	3.39E-03	3.47E-03	3.27E-03	9.52E-04	9.43E-04	1.90E-03	9.29E-04	9.21E-04	1.85E-03	9.17E-04	9.08E-04	1.83E-03
610	490993.5, 3860281.97	0.02512	0.02495	3.94E-03	4.07E-03	3.71E-03	3.80E-03	3.58E-03	1.04E-03	1.04E-03	2.08E-03	1.02E-03	1.01E-03	2.03E-03	1.00E-03	9.97E-04	2.00E-03
611	491043.5, 3860281.97	0.02773	0.0276	4.34E-03	4.51E-03	4.09E-03	4.19E-03	3.95E-03	1.15E-03	1.15E-03	2.30E-03	1.12E-03	1.12E-03	2.24E-03	1.11E-03	1.10E-03	2.21E-03
612	491093.5, 3860281.97	0.03109	0.03101	4.87E-03	5.06E-03	4.59E-03	4.70E-03	4.43E-03	1.29E-03	1.29E-03	2.58E-03	1.26E-03	1.26E-03	2.51E-03	1.24E-03	1.24E-03	2.48E-03
613	490943.5, 3860331.97	0.02032	0.02009	3.18E-03	3.28E-03	3.00E-03	3.07E-03	2.90E-03	8.43E-04	8.33E-04	1.68E-03	8.23E-04	8.13E-04	1.64E-03	8.12E-04	8.03E-04	1.61E-03
614	490993.5, 3860331.97	0.02192	0.0217	3.43E-03	3.54E-03	3.24E-03	3.31E-03	3.13E-03	9.09E-04	9.00E-04	1.81E-03	8.87E-04	8.79E-04	1.77E-03	8.76E-04	8.67E-04	1.74E-03
615	491043.5, 3860331.97	0.02388	0.02367	3.74E-03	3.86E-03	3.52E-03	3.61E-03	3.40E-03	9.91E-04	9.82E-04	1.97E-03	9.67E-04	9.58E-04	1.93E-03	9.54E-04	9.46E-04	1.90E-03
616	491093.5, 3860331.97	0.02634	0.02613	4.13E-03	4.27E-03	3.89E-03	3.98E-03	3.76E-03	1.09E-03	1.08E-03	2.18E-03	1.07E-03	1.06E-03	2.12E-03	1.05E-03	1.04E-03	2.10E-03
617	490086.72, 3859935.12	0.02017	0.01978	3.16E-03	3.23E-03	2.98E-03	3.05E-03	2.88E-03	8.37E-04	8.21E-04	1.66E-03	8.17E-04	8.01E-04	1.62E-03	8.06E-04	7.90E-04	1.60E-03
618	490136.72, 3859935.12	0.02145	0.02105	3.36E-03	3.44E-03	3.17E-03	3.24E-03	3.06E-03	8.90E-04	8.73E-04	1.76E-03	8.68E-04	8.52E-04	1.72E-03	8.57E-04	8.41E-04	1.70E-03
619	490186.72, 3859935.12	0.02291	0.02249	3.59E-03	3.67E-03	3.38E-03	3.46E-03	3.27E-03	9.50E-04	9.33E-04	1.88E-03	9.27E-04	9.10E-04	1.84E-03	9.15E-04	8.98E-04	1.81E-03
620	490236.72, 3859935.12	0.02458	0.02413	3.85E-03	3.94E-03	3.63E-03	3.72E-03	3.50E-03	1.02E-03	1.00E-03	2.02E-03	9.95E-04	9.77E-04	1.97E-03	9.82E-04	9.64E-04	1.95E-03
621	490286.72, 3859935.12	0.02648	0.02599	4.15E-03	4.24E-03	3.91E-03	4.00E-03	3.78E-03	1.10E-03	1.08E-03	2.18E-03	1.07E-03	1.05E-03	2.12E-03	1.06E-03	1.04E-03	2.10E-03
622	490336.72, 3859935.12	0.02869	0.02816	4.49E-03	4.60E-03	4.23E-03	4.34E-03	4.09E-03	1.19E-03	1.17E-03	2.36E-03	1.16E-03	1.14E-03	2.30E-03	1.15E-03	1.12E-03	2.27E-03
623	490386.72, 3859935.12	0.03137	0.03078	4.91E-03	5.02E-03	4.63E-03	4.74E-03	4.47E-03	1.30E-03	1.28E-03	2.58E-03	1.27E-03	1.25E-03	2.52E-03	1.25E-03	1.23E-03	2.48E-03
624	490436.72, 3859935.12	0.03457	0.03392	5.42E-03	5.54E-03	5.10E-03	5.23E-03	4.93E-03	1.43E-03	1.41E-03	2.84E-03	1.40E-03	1.37E-03	2.77E-03	1.38E-03	1.35E-03	2.74E-03
625	490486.72, 3859935.12	0.03856	0.0378	6.04E-03	6.17E-03	5.69E-03	5.83E-03	5.50E-03	1.60E-03	1.57E-03	3.17E-03	1.56E-03	1.53E-03	3.09E-03	1.54E-03	1.51E-03	3.05E-03
626	490536.72, 3859935.12	0.04399	0.04306	6.89E-03	7.03E-03	6.49E-03	6.65E-03	6.27E-03	1.83E-03	1.79E-03	3.61E-03	1.78E-03	1.74E-03	3.52E-03	1.76E-03	1.72E-03	3.48E-03
627	490586.72, 3859935.12	0.05127	0.05004	8.03E-03	8.17E-03	7.57E-03	7.75E-03	7.31E-03	2.13E-03	2.08E-03	4.20E-03	2.08E-03	2.03E-03	4.10E-03	2.05E-03	2.00E-03	4.05E-03
628	490636.72, 3859935.12	0.06072	0.05897	9.51E-03	9.63E-03	8.96E-03	9.18E-03	8.66E-03	2.52E-03	2.45E-03	4.97E-03	2.46E-03	2.39E-03	4.85E-03	2.43E-03	2.36E-03	4.78E-03
629	490686.72, 3859935.12	0.07531	0.07259	1.18E-02	1.18E-02	1.11E-02	1.14E-02	1.07E-02	3.12E-03	3.01E-03	6.14E-03	3.05E-03	2.94E-03	5.99E-03	3.01E-03	2.90E-03	5.91E-03
630	490736.72, 3859935.12	0.09631	0.09191	1.51E-02	1.50E-02	1.42E-02	1.46E-02	1.37E-02	4.00E-03	3.81E-03	7.81E-03	3.90E-03	3.72E-03	7.62E-03	3.85E-03	3.67E-03	7.52E-03
631	490086.72, 3859985.12	0.01771	0.01736	2.77E-03	2.83E-03	2.61E-03	2.68E-03	2.53E-03	7.35E-04	7.20E-04	1.45E-03	7.17E-04	7.03E-04	1.42E-03	7.07E-04	6.93E-04	1.40E-03
632	490136.72, 3859985.12	0.01865	0.01829	2.92E-03	2.99E-03	2.75E-03	2.82E-03	2.66E-03	7.74E-04	7.59E-04	1.53E-03	7.55E-04	7.40E-04	1.50E-03	7.45E-04	7.31E-04	1.48E-03
633	490186.72, 3859985.12	0.01973	0.01936	3.09E-03	3.16E-03	2.91E-03	2.98E-03	2.81E-03	8.19E-04	8.03E-04	1.62E-03	7.99E-04	7.84E-04	1.58E-03	7.88E-04	7.73E-04	1.56E-03
634	490236.72, 3859985.12	0.02097	0.02057	3.28E-03	3.36E-03	3.09E-03	3.17E-03	2.99E-03	8.70E-04	8.53E-04	1.72E-03	8.49E-04	8.33E-04	1.68E-03	8.38E-04	8.22E-04	1.66E-03
635	490286.72, 3859985.12	0.0223	0.02188	3.49E-03	3.57E-03	3.29E-03	3.37E-03	3.18E-03	9.25E-04	9.08E-04	1.83E-03	9.03E-04	8.86E-04	1.79E-03	8.91E-04	8.74E-04	1.76E-03
636	490336.72, 3859985.12	0.02382	0.02336	3.73E-03	3.81E-03	3.52E-03	3.60E-03	3.40E-03	9.88E-04	9.69E-04	1.96E-03	9.64E-04	9.46E-04	1.91E-03	9.52E-04	9.33E-04	1.88E-03
637	490386.72, 3859985.12	0.0255	0.025	3.99E-03	4.08E-03	3.76E-03	3.85E-03	3.64E-03	1.06E-03	1.04E-03	2.10E-03	1.03E-03	1.01E-03	2.04E-03	1.02E-03	9.99E-04	2.02E-03
638	490436.72, 3859985.12	0.02752	0.02697	4.31E-03	4.40E-03	4.06E-03	4.16E-03	3.92E-03	1.14E-03	1.12E-03	2.26E-03	1.11E-03	1.09E-03	2.21E-03	1.10E-03	1.08E-03	2.18E-03
639	490486.72, 3859985.12	0.02995	0.02935	4.69E-03	4.79E-03	4.42E-03	4.53E-03	4.27E-03	1.24E-03	1.22E-03	2.46E-03	1.21E-03	1.19E-03	2.40E-03	1.20E-03	1.17E-03	2.37E-03
640	490536.72, 3859985.12	0.03299	0.03232	5.17E-03	5.28E-03	4.87E-03	4.99E-03	4.70E-03	1.37E-03	1.34E-03	2.71E-03	1.34E-03	1.31E-03	2.64E-03	1.32E-03	1.29E-03	2.61E-03
641	490586.72, 3859985.12	0.03681	0.03603	5.77E-03	5.88E-03	5.43E-03	5.56E-03	5.25E-03	1.53E-03	1.49E-03	3.02E-03	1.49E-03	1.46E-03	2.95E-03	1.47E-03	1.44E-03	2.91E-03
642	490636.72, 3859985.12	0.0417	0.04073	6.53E-03	6.65E-03	6.15E-03	6.30E-03	5.95E-03	1.73E-03	1.69E-03	3.42E-03	1.69E-03	1.65E-03	3.34E-03	1.67E-03	1.63E-03	3.29E-03
643	490686.72, 3859985.12	0.04829	0.04703	7.56E-03	7.68E-03	7.13E-03	7.30E-03	6.89E-03	2.00E-03	1.95E-03	3.95E-03	1.95E-03	1.90E-03	3.86E-03	1.93E-03	1.88E-03	3.81E-03
644	490736.72, 3859985.12	0.05649	0.05476	8.85E-03	8.94E-03	8.34E-03	8.54E-03	8.05E-03	2.34E-03	2.27E-03	4.62E-03	2.29E-03	2.22E-03	4.50E-03	2.26E-03	2.19E-03	4.44E-03
645	490786.72, 3859985.12	0.06801	0.06545	1.07E-02	1.07E-02	1.00E-02	1.03E-02	9.70E-03	2.82E-03	2.72E-03	5.54E-03	2.75E-03	2.65E-03	5.40E-03	2.72E-03	2.61E-03	5.33E-03
646	490086.72, 3860035.12	0.01583	0.01551	2.48E-03	2.53E-03	2.34E-03	2.39E-03	2.26E-03	6.57E-04	6.43E-04	1.30E-03	6.41E-04	6.28E-04	1.27E-03	6.32E-04	6.20E-04	1.25E-03
647	490136.72, 3860035.12	0.01657	0.01624	2.60E-03	2.65E-03	2.45E-03	2.50E-03	2.36E-03	6.87E-04	6.74E-04	1.36E-03	6.71E-04	6.57E-04	1.33E-03	6.62E-04	6.49E-04	1.31E-03
648	490186.72, 3860035.12	0.01739	0.01705	2.72E-03	2.78E-03	2.57E-03	2.63E-03	2.48E-03	7.21E-04	7.07E-04	1.43E-03	7.04E-04	6.90E-04	1.39E-03	6.95E-04	6.81E-04	1.38E-03
649	490236.72, 3860035.12	0.0183	0.01794	2.87E-03	2.93E-03	2.70E-03	2.77E-03	2.61E-03	7.59E-04	7.44E-04	1.50E-03	7.41E-04	7.26E-04	1.47E-03	7.31E-04	7.17E-04	1.45E-03
650	490286.72, 3860035.12	0.01928	0.01891	3.02E-03	3.09E-03	2.85E-03	2.91E-03	2.75E-03	8.00E-04	7.85E-04	1.58E-03	7.81E-04	7.66E-04	1.55E-03	7.70E-04	7.55E-04	1.53E-03
651	490336.72, 3860035.12	0.02043	0.02002	3.20E-03	3.27E-03	3.02E-03	3.09E-03	2.91E-03	8.48E-04	8.31E-04	1.68E-03	8.27E-04	8.10E-04	1.64E-03	8.16E-04	8.00E-04	1.62E-03
652	490386.72, 3860035.12	0.02162	0.02119	3.39E-03	3.46E-03	3.19E-03	3.27E-03	3.08E-03	8.97E-04	8.79E-04	1.78E-03	8.75E-04	8.58E-04	1.73E-03	8.64E-04	8.46E-04	1.71E-03
653	490436.72, 3860035.12	0.02302	0.02255	3.61E-03	3.68E-03	3.40E-03	3.48E-03	3.28E-03	9.55E-04	9.36E-04	1.89E-03	9.32E-04	9.13E-04	1.84E-03	9.20E-04	9.01E-04	1.82E-03
654	490486.72, 3860035.12	0.02465	0.02414	3.86E-03	3.94E-03	3.64E-03	3.73E-03	3.51E-03	1.02E-03	1.00E-03	2.02E-03	9.98E-04	9.77E-04	1.98E-03	9.85E-04	9.64E-04	1.95E-03
655	490536.72, 3860035.12	0.02662	0.02607	4.17E-03	4.26E-03	3.93E-03	4.02E-03	3.80E-03	1.10E-03	1.08E-03	2.19E-03	1.08E-03	1.06E-03	2.13E-03	1.06E-03	1.04E-03	2.10E-03
656	490586.72, 3860035.12	0.02893	0.02834	4.53E-03	4.63E-03	4.27E-03	4.37E-03	4.12E-03	1.20E-03	1.18E-03	2.38E-03	1.17E-03	1.15E-03	2.32E-03	1.16E-03	1.13E-03	2.29E-03
657	490636.72, 3860035.12	0.0316	0.03096	4.95E-03	5.05E-03	4.66E-03	4.78E-03	4.51E-03	1.31E-03	1.28E-03	2.60E-03	1.28E-03	1.25E-03	2.53E-03	1.26E-03	1.24E-03	2.50E-03
658	490686.72, 3860035.12	0.03512	0.0344	5.50E-03	5.62E-03	5.18E-03	5.31E-03	5.01E-03	1.46E-03	1.43E-03	2.88E-03	1.42E-03	1.39E-03	2.81E-03	1.40E-03	1.37E-03	2.78E-03
659	490736.72, 3860035.12	0.03982	0.03898	6.24E-03	6.36E-03	5.88E-03	6.02E-03	5.68E-03	1.65E-03	1.62E-03	3.27E-03	1.61E-03	1.58E-03	3.19E-03	1.59E-03	1.56E-03	3.15E-03
660	490786.72, 3860035.12	0.04529	0.04432	7.09E-03	7.23E-03	6.68E-03	6.85E-03	6.46E-03	1.88E-03	1.84E-03	3.72E-03	1.83E-03	1.79E-03	3.63E-03	1.81E-03	1.77E-03	3.58E-03
661	490836.72, 3860035.12	0.05252	0.05144	8.23E-03	8.40E-03	7.75E-03	7.94E-03	7.49E-03	2.18E-03	2.13E-03	4.31E-03	2.13E-03	2.08E-03	4.21E-03	2.10E-03	2.05E-03	4.15E-03
662	490086.72, 3860085.12	0.01439	0.01409	2.25E-03	2.30E-03	2.12E-03	2.18E-03	2.05E-03	5.97E-04	5.85E-04	1.18E-03	5.83E-04	5.70E-04	1.15E-03	5.75E-04	5.63E-04	1.14E-03
663	490136.72, 3860085.12	0.01494	0.01463	2.34E-03	2.39E-03	2.20E-03	2.26E-03	2.13E-03	6.20E-04	6.07E-04	1.23E-03	6.05E-04	5.92E-04	1.20E-03	5.97E-04	5.84E-04	1.18E-03
664	490186.72, 3860085.12	0.01562	0.01531	2.45E-03	2.50E-03	2.31E-03	2.36E-03	2.23E-03	6.48E-04	6.35E-04	1.28E-03	6.32E-04	6.20E-04	1.25E-03	6.24E-04	6.12E-04	1.24E-03
665	490236.72, 3860085.12	0.01632	0.01601	2.56E-03	2.61E-03	2.41E-03	2.47E-03	2.33E-03	6.77E-04	6.64E-04	1.34E-03	6.61E-04	6.48E-04	1.31E-03	6.52E-04	6.40E-04	1.29E-03
666	490286.72, 3860085.12	0.01709	0.01676	2.68E-03	2.74E-03	2.52E-03	2.58E-03	2.44E-03	7.09E-04	6.95E-04	1.40E-03	6.92E-04	6.79E-04	1.37E-03	6.83E-04	6.70E-04	1.35E-03
667	490336.72, 3860085.12	0.01792	0.01757	2.81E-03	2.87E-03	2.64E-03	2.71E-03	2.56E-03	7.43E-04	7.29E-04	1.47E-03	7.25E-04	7.11E-04	1.44E-03	7.16E-04	7.02E-04	1.42E-03
668	490386.72, 3860085.12	0.01885	0.01847	2.95E-03	3.01E-03	2.78E-03	2.85E-03	2.69E-03	7.82E-04	7.66E-04	1.55E-03	7.63E-04	7.48E-04	1.51E-03	7.53E-04	7.38E-04	1.49E-03
669	490436.72, 3860085.12	0.01988	0.01948	3.11E-03	3.18E-03	2.93E-03	3.01E-03	2.83E-03	8.25E-04	8.08E-04	1.63E-03	8.05E-04	7.89E-04	1.59E-03	7.94E-04	7.78E-04	1.57E-03
670	490486.72, 3860085.12	0.02103	0.02061	3.29E-03	3.36E-03	3.10E-03	3.18E-03	3.00E-03	8.72E-04	8.55E-04	1.73E-03	8.51E-04	8.34E-04	1.69E-03	8.40E-04	8.23E-04	1.66E-03
671	490536.72, 3860085.12	0.02242	0.02197	3.51E-03	3.59E-03	3.31E-03	3.39E-03	3.20E-03	9.30E-04	9.11E-04	1.84E-03	9.08E-04	8.89E-04	1.80E-03	8.96E-04	8.78E-04	1.77E-03
672	490586.72, 3860085.12	0.02402	0.02355	3.76E-03	3.84E-03	3.55E-03	3.63E-03	3.42E-03	9.97E-04	9.77E-04	1.97E-03	9.72E-04	9.53E-04	1.93E-03	9.60E-04	9.41E-04	1.90E-03
673	490636.72, 3860085.12	0.02584	0.02535	4.05E-03	4.14E-03	3.81E-03	3.91E-03	3.68E-03	1.07E-03	1.05E-03	2.12E-03	1.05E-03	1.03E-03	2.07E-03	1.03E-03	1.01E-03	2.04E-03
674	490686.72, 3860085.12	0.02808	0.02758	4.40E-03	4.50E-03	4.14E-03	4.24E-03	4.00E-03	1.16E-03	1.14E-03	2.31E-03	1.14E-03	1.12E-03	2.25E-03	1.12E-03	1.10E-03	2.22E-03
675	490736.72, 3860085.12	0.03084	0.03033	4.83E-03	4.95E-03	4.55E-03	4.66E-03	4.40E-03	1.28E-03	1.26E-03	2.54E-03	1.25E-03	1.23E-03	2.48E-03	1.23E-03	1.21E-03	2.44E-03
676	490786.72, 3860085.12	0.03422	0.03373	5.36E-03	5.51E-03	5.05E-03	5.17E-03	4.88E-03	1.42E-03	1.40E-03	2.82E-03	1.39E-03	1.37E-03	2.75E-03	1.37E-03	1.35E-03	2.71E-03
677	490836.72, 3860085.12	0.03827	0.03782	6.00E-03	6.17E-03	5.65E-03	5.78E-03	5.46E-03	1.59E-03	1.57E-03	3.16E-03	1.55E-03	1.53E-03	3.08E-03	1.53E-03	1.51E-03	3.04E-03
678	490086.72, 3860135.12	0.01311	0.01281	2.05E-03	2.09E-03	1.93E-03	1.98E-03	1.87E-03	5.44E-04	5.31E-04	1.08E-03	5.31E-04	5.19E-04	1.05E-03	5.24E-04	5.12E-04	1.04E-03
679	490136.72, 3860135.12	0.01361	0.01332	2.13E-03	2.17E-03	2.01E-03	2.06E-03	1.94E-03	5.65E-04	5.53E-04	1.12E-03	5.51E-04	5.39E-04	1.09E-03	5.44E-04	5.32E-04	1.08E-03
680	490186.72, 3860135.12	0.01417	0.01388	2.22E-03	2.27E-03	2.09E-03	2.14E-03	2.02E-03	5.88E-04	5.76E-04	1.16E-03	5.74E-04	5.62E-04	1.14E-03	5.66E-04	5.54E-04	1.12E-03
681	490236.72, 3860135.12	0.01474	0.01445	2.31E-03	2.36E-03	2.18E-03	2.23E-03	2.10E-03	6.12E-04	5.99E-04	1.21E-03	5.97E-04	5.85E-04	1.18E-03	5.89E-04	5.77E-04	1.17E-03
682	490286.72, 3860135.12	0.01537	0.01508	2.41E-03	2.46E-03	2.27E-03	2.32E-03	2.19E-03	6.38E-04	6.26E-04	1.26E-03	6.22E-04	6.11E-04	1.23E-03	6.14E-04	6.02E-04	1.22E-03
683	490336.72, 3860135.12	0.01604	0.01574	2.51E-03	2.57E-03	2.37E-03	2.42E-03	2.29E-03	6.65E-04	6.53E-04	1.32E-03	6.49E-04	6.37E-04	1.29E-03	6.41E-04	6.29E-04	1.27E-03
684	490386.72, 3860135.12	0.01677	0.01646	2.63E-03	2.69E-03	2.48E-03	2.53E-03	2.39E-03	6.96E-04	6.83E-04	1.38E-03	6.79E-04	6.66E-04	1.35E-03	6.70E-04	6.58E-04	1.33E-03
685	490436.72, 3860135.12	0.01756	0.01723	2.75E-03	2.81E-03	2.59E-03	2.65E-03	2.50E-03	7.29E-04	7.15E-04	1.44E-03	7.11E-04	6.98E-04	1.41E-03	7.01E-04	6.88E-04	1.39E-03
686	490486.72, 3860135.12	0.01846	0.01811	2.89E-03	2.96E-03	2.72E-03	2.79E-03	2.63E-03	7.66E-04	7.51E-04	1.52E-03	7.47E-04	7.33E-04	1.48E-03	7.37E-04	7.23E-04	1.46E-03
687	490536.72, 3860135.12	0.01951	0.01914	3.06E-03	3.12E-03	2.88E-03	2.95E-03	2.78E-03	8.09E-04	7.94E-04	1.60E-03	7.90E-04	7.75E-04	1.56E-03	7.79E-04	7.65E-04	1.54E-03
688	490586.72, 3860135.12	0.02068	0.02029	3.24E-03	3.31E-03	3.05E-03	3.13E-03	2.95E-03	8.58E-04	8.42E-04	1.70E-03	8.37E-04	8.21E-04	1.66E-03	8.26E-04	8.11E-04	1.64E-03
689	490636.72, 3860135.12	0.02202	0.02162	3.45E-03	3.53E-03	3.25E-03	3.33E-03	3.14E-03	9.14E-04	8.97E-04	1.81E-03	8.91E-04	8.75E-04	1.77E-03	8.80E-04	8.64E-04	1.74E-03
690	490686.72, 3860135.12	0.02357	0.02316	3.69E-03	3.78E-03	3.48E-03	3.56E-03	3.36E-03	9.78E-04	9.61E-04	1.94E-03	9.54E-04	9.38E-04	1.89E-03	9.42E-04	9.25E-04	1.87E-03
691	490736.72, 3860135.12	0.02542	0.02503	3.98E-03	4.09E-03	3.75E-03	3.84E-03	3.62E-03	1.05E-03	1.04E-03	2.09E-03	1.03E-03	1.01E-03	2.04E-03	1.02E-03	1.00E-03	2.02E-03
692	490786.72, 3860135.12	0.02772	0.02735	4.34E-03	4.46E-03	4.09E-03	4.19E-03	3.95E-03	1.15E-03	1.13E-03	2.28E-03	1.12E-03	1.11E-03	2.23E-03	1.11E-03	1.09E-03	2.20E-03

693	490836.72, 3860135.12	0.03037	0.03006	4.76E-03	4.91E-03	4.48E-03	4.59E-03	4.33E-03	1.26E-03	1.25E-03	2.51E-03	1.23E-03	1.22E-03	2.45E-03	1.21E-03	1.20E-03	2.41E-03
694	490086.72, 3860185.12	0.01209	0.01181	1.89E-03	1.93E-03	1.78E-03	1.83E-03	1.72E-03	5.02E-04	4.90E-04	9.92E-04	4.89E-04	4.78E-04	9.68E-04	4.83E-04	4.72E-04	9.55E-04
695	490136.72, 3860185.12	0.01253	0.01225	1.96E-03	2.00E-03	1.85E-03	1.89E-03	1.79E-03	5.20E-04	5.08E-04	1.03E-03	5.07E-04	4.96E-04	1.00E-03	5.01E-04	4.89E-04	9.90E-04
696	490186.72, 3860185.12	0.01299	0.01272	2.03E-03	2.08E-03	1.92E-03	1.96E-03	1.85E-03	5.39E-04	5.28E-04	1.07E-03	5.26E-04	5.15E-04	1.04E-03	5.19E-04	5.08E-04	1.03E-03
697	490236.72, 3860185.12	0.01347	0.0132	2.11E-03	2.15E-03	1.99E-03	2.04E-03	1.92E-03	5.59E-04	5.48E-04	1.11E-03	5.45E-04	5.34E-04	1.08E-03	5.38E-04	5.27E-04	1.07E-03
698	490286.72, 3860185.12	0.01399	0.01372	2.19E-03	2.24E-03	2.06E-03	2.11E-03	1.99E-03	5.80E-04	5.69E-04	1.15E-03	5.66E-04	5.55E-04	1.12E-03	5.59E-04	5.48E-04	1.11E-03
699	490336.72, 3860185.12	0.01454	0.01428	2.28E-03	2.33E-03	2.15E-03	2.20E-03	2.07E-03	6.03E-04	5.92E-04	1.20E-03	5.89E-04	5.78E-04	1.17E-03	5.81E-04	5.70E-04	1.15E-03
700	490386.72, 3860185.12	0.01514	0.01487	2.37E-03	2.43E-03	2.23E-03	2.29E-03	2.16E-03	6.28E-04	6.17E-04	1.25E-03	6.13E-04	6.02E-04	1.21E-03	6.05E-04	5.94E-04	1.20E-03
701	490436.72, 3860185.12	0.0158	0.01552	2.48E-03	2.53E-03	2.33E-03	2.39E-03	2.25E-03	6.56E-04	6.44E-04	1.30E-03	6.40E-04	6.28E-04	1.27E-03	6.31E-04	6.20E-04	1.25E-03
702	490486.72, 3860185.12	0.01652	0.01622	2.59E-03	2.65E-03	2.44E-03	2.50E-03	2.36E-03	6.85E-04	6.73E-04	1.36E-03	6.69E-04	6.57E-04	1.33E-03	6.60E-04	6.48E-04	1.31E-03
703	490536.72, 3860185.12	0.01734	0.01703	2.72E-03	2.78E-03	2.56E-03	2.62E-03	2.47E-03	7.19E-04	7.07E-04	1.43E-03	7.02E-04	6.89E-04	1.39E-03	6.93E-04	6.80E-04	1.37E-03
704	490586.72, 3860185.12	0.01827	0.01795	2.86E-03	2.93E-03	2.70E-03	2.76E-03	2.61E-03	7.58E-04	7.45E-04	1.50E-03	7.40E-04	7.27E-04	1.47E-03	7.30E-04	7.17E-04	1.45E-03
705	490636.72, 3860185.12	0.0193	0.01896	3.02E-03	3.09E-03	2.85E-03	2.92E-03	2.75E-03	8.01E-04	7.87E-04	1.59E-03	7.81E-04	7.68E-04	1.55E-03	7.71E-04	7.57E-04	1.53E-03
706	490686.72, 3860185.12	0.02049	0.02015	3.21E-03	3.29E-03	3.02E-03	3.10E-03	2.92E-03	8.50E-04	8.36E-04	1.69E-03	8.30E-04	8.16E-04	1.65E-03	8.19E-04	8.05E-04	1.62E-03
707	490736.72, 3860185.12	0.02183	0.0215	3.42E-03	3.51E-03	3.22E-03	3.30E-03	3.11E-03	9.06E-04	8.92E-04	1.80E-03	8.84E-04	8.70E-04	1.75E-03	8.72E-04	8.59E-04	1.73E-03
708	490786.72, 3860185.12	0.02347	0.02316	3.68E-03	3.78E-03	3.46E-03	3.55E-03	3.35E-03	9.74E-04	9.61E-04	1.93E-03	9.50E-04	9.38E-04	1.89E-03	9.38E-04	9.25E-04	1.86E-03
709	490836.72, 3860185.12	0.02541	0.02514	3.98E-03	4.10E-03	3.75E-03	3.84E-03	3.62E-03	1.05E-03	1.04E-03	2.10E-03	1.03E-03	1.02E-03	2.05E-03	1.02E-03	1.00E-03	2.02E-03
710	490086.72, 3860235.12	0.01125	0.01099	1.76E-03	1.79E-03	1.66E-03	1.70E-03	1.60E-03	4.67E-04	4.56E-04	9.23E-04	4.55E-04	4.45E-04	9.00E-04	4.49E-04	4.39E-04	8.88E-04
711	490136.72, 3860235.12	0.01162	0.01136	1.82E-03	1.85E-03	1.71E-03	1.76E-03	1.66E-03	4.82E-04	4.71E-04	9.53E-04	4.70E-04	4.60E-04	9.30E-04	4.64E-04	4.54E-04	9.18E-04
712	490186.72, 3860235.12	0.01201	0.01176	1.88E-03	1.92E-03	1.77E-03	1.82E-03	1.71E-03	4.98E-04	4.88E-04	9.86E-04	4.86E-04	4.76E-04	9.62E-04	4.80E-04	4.70E-04	9.50E-04
713	490236.72, 3860235.12	0.01243	0.01218	1.95E-03	1.99E-03	1.83E-03	1.88E-03	1.77E-03	5.16E-04	5.05E-04	1.02E-03	5.03E-04	4.93E-04	9.96E-04	4.97E-04	4.87E-04	9.83E-04
714	490286.72, 3860235.12	0.01287	0.01262	2.02E-03	2.06E-03	1.90E-03	1.95E-03	1.84E-03	5.34E-04	5.24E-04	1.06E-03	5.21E-04	5.11E-04	1.03E-03	5.14E-04	5.04E-04	1.02E-03
715	490336.72, 3860235.12	0.01334	0.0131	2.09E-03	2.14E-03	1.97E-03	2.02E-03	1.90E-03	5.53E-04	5.43E-04	1.10E-03	5.40E-04	5.30E-04	1.07E-03	5.33E-04	5.23E-04	1.06E-03
716	490386.72, 3860235.12	0.01385	0.01361	2.17E-03	2.22E-03	2.04E-03	2.09E-03	1.97E-03	5.75E-04	5.65E-04	1.14E-03	5.61E-04	5.51E-04	1.11E-03	5.53E-04	5.44E-04	1.10E-03
717	490436.72, 3860235.12	0.01441	0.01416	2.26E-03	2.31E-03	2.13E-03	2.18E-03	2.05E-03	5.98E-04	5.87E-04	1.19E-03	5.83E-04	5.73E-04	1.16E-03	5.76E-04	5.66E-04	1.14E-03
718	490486.72, 3860235.12	0.015	0.01475	2.35E-03	2.41E-03	2.21E-03	2.27E-03	2.14E-03	6.22E-04	6.12E-04	1.23E-03	6.07E-04	5.97E-04	1.20E-03	5.99E-04	5.89E-04	1.19E-03
719	490536.72, 3860235.12	0.01568	0.01541	2.46E-03	2.52E-03	2.31E-03	2.37E-03	2.24E-03	6.51E-04	6.39E-04	1.29E-03	6.35E-04	6.24E-04	1.26E-03	6.26E-04	6.16E-04	1.24E-03
720	490586.72, 3860235.12	0.01643	0.01615	2.57E-03	2.64E-03	2.42E-03	2.48E-03	2.34E-03	6.82E-04	6.70E-04	1.35E-03	6.65E-04	6.54E-04	1.32E-03	6.56E-04	6.45E-04	1.30E-03
721	490636.72, 3860235.12	0.01727	0.01698	2.71E-03	2.77E-03	2.55E-03	2.61E-03	2.46E-03	7.16E-04	7.04E-04	1.42E-03	6.99E-04	6.87E-04	1.39E-03	6.90E-04	6.78E-04	1.37E-03
722	490686.72, 3860235.12	0.01822	0.01793	2.85E-03	2.93E-03	2.69E-03	2.75E-03	2.60E-03	7.56E-04	7.44E-04	1.50E-03	7.38E-04	7.26E-04	1.46E-03	7.28E-04	7.16E-04	1.44E-03
723	490736.72, 3860235.12	0.01929	0.01901	3.02E-03	3.10E-03	2.85E-03	2.92E-03	2.75E-03	8.00E-04	7.89E-04	1.59E-03	7.81E-04	7.70E-04	1.55E-03	7.71E-04	7.59E-04	1.53E-03
724	490786.72, 3860235.12	0.02054	0.02025	3.22E-03	3.31E-03	3.03E-03	3.10E-03	2.93E-03	8.52E-04	8.40E-04	1.69E-03	8.32E-04	8.20E-04	1.65E-03	8.21E-04	8.09E-04	1.63E-03
725	490086.72, 3860285.12	0.01054	0.01029	1.65E-03	1.68E-03	1.56E-03	1.59E-03	1.50E-03	4.37E-04	4.27E-04	8.64E-04	4.27E-04	4.17E-04	8.43E-04	4.21E-04	4.11E-04	8.32E-04
726	490136.72, 3860285.12	0.01086	0.01061	1.70E-03	1.73E-03	1.60E-03	1.64E-03	1.55E-03	4.51E-04	4.40E-04	8.91E-04	4.40E-04	4.30E-04	8.69E-04	4.34E-04	4.24E-04	8.58E-04
727	490186.72, 3860285.12	0.01119	0.01095	1.75E-03	1.79E-03	1.65E-03	1.69E-03	1.60E-03	4.64E-04	4.54E-04	9.19E-04	4.53E-04	4.43E-04	8.96E-04	4.47E-04	4.37E-04	8.84E-04
728	490236.72, 3860285.12	0.01156	0.01132	1.81E-03	1.85E-03	1.71E-03	1.75E-03	1.65E-03	4.80E-04	4.70E-04	9.49E-04	4.68E-04	4.58E-04	9.26E-04	4.62E-04	4.52E-04	9.14E-04
729	490286.72, 3860285.12	0.01193	0.0117	1.87E-03	1.91E-03	1.76E-03	1.80E-03	1.70E-03	4.95E-04	4.85E-04	9.80E-04	4.83E-04	4.74E-04	9.57E-04	4.77E-04	4.67E-04	9.44E-04
730	490336.72, 3860285.12	0.01234	0.01212	1.93E-03	1.98E-03	1.82E-03	1.87E-03	1.76E-03	5.12E-04	5.03E-04	1.01E-03	5.00E-04	4.91E-04	9.90E-04	4.93E-04	4.84E-04	9.77E-04
731	490386.72, 3860285.12	0.01279	0.01257	2.00E-03	2.05E-03	1.89E-03	1.93E-03	1.82E-03	5.31E-04	5.22E-04	1.05E-03	5.18E-04	5.09E-04	1.03E-03	5.11E-04	5.02E-04	1.01E-03
732	490436.72, 3860285.12	0.01326	0.01304	2.08E-03	2.13E-03	1.96E-03	2.00E-03	1.89E-03	5.50E-04	5.41E-04	1.09E-03	5.37E-04	5.28E-04	1.06E-03	5.30E-04	5.21E-04	1.05E-03
733	490486.72, 3860285.12	0.01378	0.01356	2.16E-03	2.21E-03	2.03E-03	2.08E-03	1.96E-03	5.72E-04	5.63E-04	1.13E-03	5.58E-04	5.49E-04	1.11E-03	5.50E-04	5.42E-04	1.09E-03
734	490536.72, 3860285.12	0.01434	0.01412	2.25E-03	2.30E-03	2.12E-03	2.17E-03	2.04E-03	5.95E-04	5.86E-04	1.18E-03	5.81E-04	5.72E-04	1.15E-03	5.73E-04	5.64E-04	1.14E-03
735	490586.72, 3860285.12	0.01496	0.01473	2.34E-03	2.40E-03	2.21E-03	2.26E-03	2.13E-03	6.21E-04	6.11E-04	1.23E-03	6.06E-04	5.96E-04	1.20E-03	5.98E-04	5.88E-04	1.19E-03
736	490636.72, 3860285.12	0.01566	0.01542	2.45E-03	2.52E-03	2.31E-03	2.37E-03	2.23E-03	6.50E-04	6.40E-04	1.29E-03	6.34E-04	6.24E-04	1.26E-03	6.26E-04	6.16E-04	1.24E-03
737	490686.72, 3860285.12	0.01646	0.01621	2.58E-03	2.65E-03	2.43E-03	2.49E-03	2.35E-03	6.83E-04	6.73E-04	1.36E-03	6.66E-04	6.56E-04	1.32E-03	6.58E-04	6.48E-04	1.31E-03
738	490736.72, 3860285.12	0.01734	0.01709	2.72E-03	2.79E-03	2.56E-03	2.62E-03	2.47E-03	7.19E-04	7.09E-04	1.43E-03	7.02E-04	6.92E-04	1.39E-03	6.93E-04	6.83E-04	1.38E-03
739	490786.72, 3860285.12	0.01836	0.01811	2.88E-03	2.96E-03	2.71E-03	2.78E-03	2.62E-03	7.62E-04	7.51E-04	1.51E-03	7.43E-04	7.33E-04	1.48E-03	7.33E-04	7.23E-04	1.46E-03
740	490086.72, 3860335.12	0.00994	0.00971	1.56E-03	1.58E-03	1.47E-03	1.50E-03	1.42E-03	4.12E-04	4.03E-04	8.15E-04	4.02E-04	3.93E-04	7.96E-04	3.97E-04	3.88E-04	7.85E-04
741	490136.72, 3860335.12	0.01022	0.00999	1.60E-03	1.63E-03	1.51E-03	1.54E-03	1.46E-03	4.24E-04	4.14E-04	8.38E-04	4.14E-04	4.04E-04	8.18E-04	4.08E-04	3.99E-04	8.07E-04
742	490186.72, 3860335.12	0.01051	0.01027	1.65E-03	1.68E-03	1.55E-03	1.59E-03	1.50E-03	4.36E-04	4.26E-04	8.62E-04	4.25E-04	4.16E-04	8.41E-04	4.20E-04	4.10E-04	8.30E-04
743	490236.72, 3860335.12	0.01082	0.0106	1.69E-03	1.73E-03	1.60E-03	1.64E-03	1.54E-03	4.49E-04	4.40E-04	8.89E-04	4.38E-04	4.29E-04	8.67E-04	4.32E-04	4.23E-04	8.56E-04
744	490286.72, 3860335.12	0.01115	0.01093	1.75E-03	1.78E-03	1.65E-03	1.69E-03	1.59E-03	4.63E-04	4.53E-04	9.16E-04	4.51E-04	4.42E-04	8.94E-04	4.45E-04	4.37E-04	8.82E-04
745	490336.72, 3860335.12	0.01151	0.01129	1.80E-03	1.84E-03	1.70E-03	1.74E-03	1.64E-03	4.78E-04	4.68E-04	9.46E-04	4.66E-04	4.57E-04	9.23E-04	4.60E-04	4.51E-04	9.11E-04
746	490386.72, 3860335.12	0.01189	0.01168	1.86E-03	1.91E-03	1.75E-03	1.80E-03	1.70E-03	4.93E-04	4.85E-04	9.78E-04	4.81E-04	4.73E-04	9.54E-04	4.75E-04	4.67E-04	9.42E-04
747	490436.72, 3860335.12	0.0123	0.01211	1.93E-03	1.98E-03	1.82E-03	1.86E-03	1.75E-03	5.10E-04	5.02E-04	1.01E-03	4.98E-04	4.90E-04	9.88E-04	4.91E-04	4.84E-04	9.75E-04
748	490486.72, 3860335.12	0.01275	0.01256	2.00E-03	2.05E-03	1.88E-03	1.93E-03	1.82E-03	5.29E-04	5.21E-04	1.05E-03	5.16E-04	5.08E-04	1.02E-03	5.09E-04	5.02E-04	1.01E-03
749	490536.72, 3860335.12	0.01324	0.01305	2.07E-03	2.13E-03	1.95E-03	2.00E-03	1.89E-03	5.49E-04	5.41E-04	1.09E-03	5.36E-04	5.28E-04	1.06E-03	5.29E-04	5.21E-04	1.05E-03
750	490586.72, 3860335.12	0.01378	0.01358	2.16E-03	2.22E-03	2.03E-03	2.08E-03	1.96E-03	5.72E-04	5.63E-04	1.14E-03	5.58E-04	5.50E-04	1.11E-03	5.50E-04	5.42E-04	1.09E-03
751	490636.72, 3860335.12	0.01437	0.01417	2.25E-03	2.31E-03	2.12E-03	2.17E-03	2.05E-03	5.96E-04	5.88E-04	1.18E-03	5.82E-04	5.74E-04	1.16E-03	5.74E-04	5.66E-04	1.14E-03
752	490686.72, 3860335.12	0.01504	0.01483	2.36E-03	2.42E-03	2.22E-03	2.27E-03	2.14E-03	6.24E-04	6.15E-04	1.24E-03	6.09E-04	6.00E-04	1.21E-03	6.01E-04	5.92E-04	1.19E-03
753	490736.72, 3860335.12	0.01579	0.01557	2.47E-03	2.54E-03	2.33E-03	2.39E-03	2.25E-03	6.55E-04	6.46E-04	1.30E-03	6.39E-04	6.30E-04	1.27E-03	6.31E-04	6.22E-04	1.25E-03
754	490786.72, 3860335.12	0.01665	0.01643	2.61E-03	2.68E-03	2.46E-03	2.52E-03	2.37E-03	6.91E-04	6.82E-04	1.37E-03	6.74E-04	6.65E-04	1.34E-03	6.65E-04	6.56E-04	1.32E-03
755	490086.72, 3860385.12	0.00944	0.00922	1.48E-03	1.50E-03	1.39E-03	1.43E-03	1.35E-03	3.92E-04	3.83E-04	7.74E-04	3.82E-04	3.73E-04	7.55E-04	3.77E-04	3.68E-04	7.45E-04
756	490136.72, 3860385.12	0.00968	0.00946	1.52E-03	1.54E-03	1.43E-03	1.46E-03	1.38E-03	4.02E-04	3.92E-04	7.94E-04	3.92E-04	3.83E-04	7.75E-04	3.87E-04	3.78E-04	7.65E-04
757	490186.72, 3860385.12	0.00993	0.00971	1.56E-03	1.58E-03	1.47E-03	1.50E-03	1.42E-03	4.12E-04	4.03E-04	8.15E-04	4.02E-04	3.93E-04	7.95E-04	3.97E-04	3.88E-04	7.85E-04
758	490236.72, 3860385.12	0.0102	0.00998	1.60E-03	1.63E-03	1.51E-03	1.54E-03	1.45E-03	4.23E-04	4.14E-04	8.37E-04	4.13E-04	4.04E-04	8.17E-04	4.07E-04	3.99E-04	8.06E-04
759	490286.72, 3860385.12	0.01049	0.01028	1.64E-03	1.68E-03	1.55E-03	1.59E-03	1.50E-03	4.35E-04	4.26E-04	8.62E-04	4.25E-04	4.16E-04	8.41E-04	4.19E-04	4.11E-04	8.30E-04
760	490336.72, 3860385.12	0.0108	0.01059	1.69E-03	1.73E-03	1.59E-03	1.63E-03	1.54E-03	4.48E-04	4.39E-04	8.87E-04	4.37E-04	4.29E-04	8.66E-04	4.31E-04	4.23E-04	8.54E-04
761	490386.72, 3860385.12	0.01113	0.01094	1.74E-03	1.79E-03	1.64E-03	1.68E-03	1.59E-03	4.62E-04	4.54E-04	9.16E-04	4.51E-04	4.43E-04	8.93E-04	4.45E-04	4.37E-04	8.82E-04
762	490436.72, 3860385.12	0.0115	0.01131	1.80E-03	1.85E-03	1.70E-03	1.74E-03	1.64E-03	4.77E-04	4.69E-04	9.46E-04	4.66E-04	4.58E-04	9.23E-04	4.59E-04	4.52E-04	9.11E-04
763	490486.72, 3860385.12	0.01189	0.01171	1.86E-03	1.91E-03	1.75E-03	1.80E-03	1.70E-03	4.93E-04	4.86E-04	9.79E-04	4.81E-04	4.74E-04	9.55E-04	4.75E-04	4.68E-04	9.43E-04
764	490536.72, 3860385.12	0.01232	0.01214	1.93E-03	1.98E-03	1.82E-03	1.86E-03	1.76E-03	5.11E-04	5.04E-04	1.01E-03	4.99E-04	4.91E-04	9.90E-04	4.92E-04	4.85E-04	9.77E-04
765	490586.72, 3860385.12	0.01279	0.01261	2.00E-03	2.06E-03	1.89E-03	1.93E-03	1.82E-03	5.31E-04	5.23E-04	1.05E-03	5.18E-04	5.11E-04	1.03E-03	5.11E-04	5.04E-04	1.01E-03
766	490636.72, 3860385.12	0.0133	0.01312	2.08E-03	2.14E-03	1.96E-03	2.01E-03	1.90E-03	5.52E-04	5.44E-04	1.10E-03	5.38E-04	5.31E-04	1.07E-03	5.31E-04	5.24E-04	1.06E-03
767	490686.72, 3860385.12	0.01388	0.01369	2.17E-03	2.23E-03	2.05E-03	2.10E-03	1.98E-03	5.76E-04	5.68E-04	1.14E-03	5.62E-04	5.54E-04	1.12E-03	5.54E-04	5.47E-04	1.10E-03
768	490736.72, 3860385.12	0.01451	0.01432	2.27E-03	2.34E-03	2.14E-03	2.19E-03	2.07E-03	6.02E-04	5.94E-04	1.20E-03	5.87E-04	5.80E-04	1.17E-03	5.80E-04	5.72E-04	1.15E-03
769	490786.72, 3860385.12	0.01523	0.01503	2.39E-03	2.45E-03	2.25E-03	2.30E-03	2.17E-03	6.32E-04	6.24E-04	1.26E-03	6.17E-04	6.08E-04	1.23E-03	6.08E-04	6.00E-04	1.21E-03
770	490136.72, 3860435.12	0.00922	0.00902	1.44E-03	1.47E-03	1.36E-03	1.39E-03	1.31E-03	3.83E-04	3.74E-04	7.57E-04	3.73E-04	3.65E-04	7.38E-04	3.68E-04	3.60E-04	7.29E-04
771	490186.72, 3860435.12	0.00945	0.00924	1.48E-03	1.51E-03	1.39E-03	1.43E-03	1.35E-03	3.92E-04	3.83E-04	7.75E-04	3.83E-04	3.74E-04	7.57E-04	3.77E-04	3.69E-04	7.47E-04
772	490236.72, 3860435.12	0.00968	0.00948	1.52E-03	1.55E-03	1.43E-03	1.46E-03	1.38E-03	4.02E-04	3.93E-04	7.95E-04	3.92E-04	3.84E-04	7.76E-04	3.87E-04	3.79E-04	7.65E-04
773	490286.72, 3860435.12	0.00993	0.00973	1.56E-03	1.59E-03	1.47E-03	1.50E-03	1.42E-03	4.12E-04	4.04E-04	8.16E-04	4.02E-04	3.94E-04	7.96E-04	3.97E-04	3.89E-04	7.85E-04
774	490336.72, 3860435.12	0.0102	0.01	1.60E-03	1.63E-03	1.51E-03	1.54E-03	1.45E-03	4.23E-04	4.15E-04	8.38E-04	4.13E-04	4.05E-04	8.18E-04	4.07E-04	3.99E-04	8.07E-04
775	490386.72, 3860435.12	0.0105	0.0103	1.64E-03	1.68E-03	1.55E-03	1.59E-03	1.50E-03	4.36E-04	4.27E-04	8.63E-04	4.25E-04	4.17E-04	8.42E-04	4.19E-04	4.11E-04	8.31E-04
776	490436.72, 3860435.12	0.01081	0.01063	1.69E-03	1.74E-03	1.60E-03	1.63E-03	1.54E-03	4.48E-04	4.41E-04	8.89E-04	4.38E-04	4.30E-04	8.68E-04	4.32E-04	4.25E-04	8.56E-04
777	490486.72, 3860435.12	0.01116	0.01098	1.75E-03	1.79E-03	1.65E-03	1.69E-03	1.59E-03	4.63E-04	4.56E-04	9.19E-04	4.52E-04	4.45E-04	8.96E-04	4.46E-04	4.39E-04	8.84E-04
778	490536.72, 3860435.12	0.01153	0.01137	1.81E-03	1.86E-03	1.70E-03	1.74E-03	1.64E-03	4.78E-04	4.72E-04	9.50E-04	4.67E-04	4.60E-04	9.27E-04	4.61E-04	4.54E-04	9.15E-04
779	490586.72, 3860435.12	0.01194	0.01178	1.87E-03	1.92E-03	1.76E-03	1.80E-03	1.70E-03	4.95E-04	4.89E-04	9.84E-04	4.83E-04	4.77E-04	9.60E-04	4.77E-04	4.71E-04	9.48E-04
780	490636.72, 3860435.12	0.01239	0.01223	1.94E-03	2.00E-03	1.83E-03	1.87E-03	1.77E-03	5.14E-04	5.07E-04	1.02E-03	5.02E-04	4.95E-04	9.97E-04	4.95E-04	4.89E-04	9.83E-04
781	490686.72, 3860435.12	0.01289	0.01272	2.02E-03	2.08E-03	1.90E-03	1.95E-03	1.84E-03	5.35E-04	5.28E-04	1.06E-03	5.22E-04	5.15E-04	1.04E-03	5.15E-04	5.08E-04	1.02E-03
782	490736.72, 3860435.12	0.01344	0.01328	2.11E-03	2.17E-03	1.98E-03	2.03E-03	1.92E-03	5.58E-04	5.51E-04	1.11E-03	5.44E-04	5.38E-04	1.08E-03	5.37E-04	5.30E-04	1.07E-03
783	490786.72, 3860435.12	0.01406	0.01388	2.20E-03	2.27E-03	2.08E-03	2.13E-03	2.00E-03	5.83E-04	5.76E-04	1.16E-03	5.69E-04	5.62E-04	1.13E-03	5.62E-04	5.54E-04	1.12E-03
784	490136.72, 3860485.12	0.00885	0.00866	1.39E-03	1.41E-03	1.31E-03	1.34E-03	1.26E-03	3.67E-04	3.59E-04	7.26E-04	3.58E-04	3.51E-04	7.09E-04	3.54E-04	3.46E-04	6.99E-04
785	490186.72, 3860485.12	0.00904	0.00885	1.42E-03	1.44E-03	1.33E-03	1.37E-03	1.29E-03	3.75E-04	3.67E-04	7.42E-04	3.66E-04	3.58E-04	7.24E-04	3.61E-04	3.54E-04	7.15E-04
786	490236.72, 3860485.12	0.00925	0.00905	1.45E-03	1.48E-03	1.37E-03	1.40E-03	1.32E-03	3.84E-04	3.75E-04	7.59E-04	3.74E-04	3.66E-04	7.41E-04	3.70E-04	3.62E-04	7.31E-04
787	490286.72, 3860485.12	0.00947	0.00928	1.48E-03	1.51E-03	1.40E-03	1.43E-03	1.35E-03	3.93E-04	3.85E-04	7.78E-04	3.83E-04	3.76E-04	7.59E-04	3.78E-04	3.71E-04	7.49E-04
788	490336.72, 3860485.12	0.00971	0.00951	1.52E-03	1.55E-03	1.43E-03	1.47E-03	1.38E-03	4.03E-04	3.95E-04	7.97E-04	3.93E-04	3.85E-04	7.78E-04	3.88E-04	3.80E-04	7.68E-04
789	490386.72, 3860485.12	0.00997	0.00978	1.56E-03	1.60E-03	1.47E-03	1.51E-03	1.42E-03	4.14E-04	4.06E-04	8.19E-04	4.04E-04	3.96E-04	8.00E-04	3.98E-04	3.91E-04	7.89E-04
790	490436.72, 3860485.12	0.01025	0.01007	1.61E-03	1.64E-03	1.51E-03	1.55E-03	1.46E-03	4.25E-04	4.18E-04	8.43E-04	4.15E-04	4.08E-04	8.23E-04	4.09E-04	4.02E-04	8.12E-04
791	490486.72, 3860485.12	0.01055	0.01038	1.65E-03	1.69E-03	1.56E-03	1.59E-03	1.50E-03	4.38E-04	4.31E-04	8.68E-04	4.27E-04	4.20E-04	8.47E-04	4.21E-04	4.15E-04	8.36E-04
792	490536.72, 3860485.12	0.01087	0.01071	1.70E-03	1.75E-03	1.60E-03	1.64E-03	1.55E-03	4.51E-04	4.44E-04	8.95E-04	4.40E-04	4.34E-04	8.74E-04	4.34E-04	4.28E-04	8.62E-04
793	490586.72, 3860485.12	0.01122	0.01107	1.76E-03	1.81E-03	1.66E-03	1.70E-03	1.60E-03	4.65E-04	4.59E-04	9.25E-04	4.54E-04	4.48E-04	9.02E-04	4.48E-04	4.42E-04	8.90E-04
794	490636.72, 3860485.12	0.01162	0.01147	1.82E-03	1.87E-03	1.71E-03	1.76E-03	1.66E-03	4.82E-04	4.76E-04	9.58E-04	4.70E-04	4.64E-04	9.35E-04	4.64E-04	4.58E-04	9.22E-04
795	490686.72, 3860485.12	0.01204	0.0119	1.89E-03	1.94E-03	1.78E-03	1.82E-03	1.72E-03	5.00E-04	4.94E-04	9.93E-04	4.87E-04	4.82E-04	9.69E-04	4.81E-04	4.75E-04	9.56E-04
796	490736.72, 3860485.12	0.01253	0.01238	1.96E-03	2.02E-03	1.85E-03	1.89E-03	1.79E-03	5.20E-04	5.14E-04	1.03E-03	5.07E-04	5.01E-04	1.01E-03	5.01E-04	4.95E-04	9.95E-04
797	490786.72, 3860485.12	0.01306	0.01291	2.05E-03	2.11E-03	1.93E-03	1.97E-03	1.86E-03	5.42E-04	5.36E-04	1.08E-03	5.29E-04	5.23E-04	1.05E-03	5.22E-04	5.16E-04	1.04E-03
798	490136.72, 3860535.12	0.00852	0.00834	1.33E-03	1.36E-03	1.26E-03	1.29E-03	1.21E-03	3.53E-04	3.46E-04	6.99E-04	3.45E-04	3.38E-04	6.83E-04	3.40E-04	3.33E-04	6.74E-04
799	490186.72, 3860535.12	0.0087	0.00852	1.36E-03	1.39E-03	1.28E-03	1.32E-03	1.24E-03	3.61E-04	3.53E-04	7.14E-04	3.52E-04	3.45E-04	6.97E-04	3.48E-04	3.40E-04	6.88E-04
800	490236.72, 3860535.12	0.00889	0.0087	1.39E-03	1.42E-03	1.31E-03	1.34E-03	1.27E-03	3.69E-04	3.61E-04	7.30E-04	3.60E-04	3.52E-04	7.12E-04	3.55E-04	3.48E-04	7.03E-04
801	490286.72, 3860535.12	0.00908	0.00889	1.42E-03	1.45E-03	1.34E-03	1.37E-03	1.29E-03	3.77E-04	3.69E-04	7.46E-04	3.68E-04	3.60E-04	7.28E-04	3.63E-04	3.55E-04	7.18E-04
802	490336.72, 3860535.12	0.0093	0.00911	1.46E-03	1.49E-03	1.37E-03	1.41E-03	1.33E-03	3.86E-04	3.78E-04	7.64E-04	3.77E-04	3.69E-04	7.45E-04	3.72E-04	3.64E-04	7.35E-04
803	490386.72, 3860535.12	0.00953	0.00934	1.49E-03	1.52E-03	1.41E-03	1.44E-03	1.36E-03	3.95E-04	3.87E-04	7.83E-04	3.86E-04	3.78E-04	7.64E-04	3.81E-04	3.73E-04	7.54E-04
804	490436.72, 3860535.12	0.00977	0.0096	1.53E-03	1.57E-03	1.44E-03	1.48E-03	1.39E-03	4.05E-04	3.98E-04	8.04E-04	3.96E-04	3.89E-04	7.84E-04	3.90E-04	3.83E-04	7.74E-04
805	490486.72, 3860535.12	0.01004	0.00987	1.57E-03	1.61E-03	1.48E-03	1.52E-03	1.43E-03	4.17E-04	4.09E-04	8.26E-04	4.06E-04	4.00E-04	8.06E-04	4.01E-04	3.94E-04	7.95E-04
806	490536.72, 3860535.12	0.01033	0.01017	1.62E-03	1.66E-03	1.52E-03	1.56E-03	1.47E-03	4.29E-04	4.22E-04	8.51E-04	4.18E-04	4.12E-04	8.30E-04	4.13E-04	4.06E-04	8.19E-04
807	490586.72, 3860535.12	0.01063	0.01048	1.67E-03	1.71E-03	1.57E-03	1.61E-03	1.52E-03	4.41E-04	4.35E-04	8.76E-04	4.30E-04	4.24E-04	8.55E-04	4.25E-04	4.19E-04	8.43E-04
808	490636.72, 3860535.12	0.01097	0.01082	1.72E-03	1.77E-03	1.62E-03	1.66E-03	1.56E-03	4.55E-04	4.49E-04	9.04E-04	4.44E-04	4.38E-04	8.82E-04	4.38E-04	4.32E-04	8.70E-04

809	490686.72, 3860535.12	0.01134	0.0112	1.78E-03	1.83E-03	1.67E-03	1.71E-03	1.62E-03	4.70E-04	4.65E-04	9.35E-04	4.59E-04	4.53E-04	9.13E-04	4.53E-04	4.47E-04	9.00E-04
810	490736.72, 3860535.12	0.01175	0.01161	1.84E-03	1.90E-03	1.73E-03	1.78E-03	1.68E-03	4.87E-04	4.82E-04	9.69E-04	4.76E-04	4.70E-04	9.46E-04	4.69E-04	4.64E-04	9.33E-04
811	490786.72, 3860535.12	0.01222	0.01208	1.91E-03	1.97E-03	1.80E-03	1.85E-03	1.74E-03	5.07E-04	5.01E-04	1.01E-03	4.95E-04	4.89E-04	9.84E-04	4.88E-04	4.83E-04	9.71E-04
812	490136.72, 3860585.12	0.00822	0.00805	1.29E-03	1.31E-03	1.21E-03	1.24E-03	1.17E-03	3.41E-04	3.34E-04	6.75E-04	3.33E-04	3.26E-04	6.59E-04	3.28E-04	3.22E-04	6.50E-04
813	490186.72, 3860585.12	0.00837	0.0082	1.31E-03	1.34E-03	1.24E-03	1.27E-03	1.19E-03	3.47E-04	3.40E-04	6.87E-04	3.39E-04	3.32E-04	6.71E-04	3.34E-04	3.28E-04	6.62E-04
814	490236.72, 3860585.12	0.00855	0.00838	1.34E-03	1.37E-03	1.26E-03	1.29E-03	1.22E-03	3.55E-04	3.48E-04	7.02E-04	3.46E-04	3.39E-04	6.85E-04	3.42E-04	3.35E-04	6.76E-04
815	490286.72, 3860585.12	0.00874	0.00856	1.37E-03	1.40E-03	1.29E-03	1.32E-03	1.25E-03	3.63E-04	3.55E-04	7.18E-04	3.54E-04	3.47E-04	7.00E-04	3.49E-04	3.42E-04	6.91E-04
816	490336.72, 3860585.12	0.00894	0.00876	1.40E-03	1.43E-03	1.32E-03	1.35E-03	1.27E-03	3.71E-04	3.63E-04	7.34E-04	3.62E-04	3.55E-04	7.17E-04	3.57E-04	3.50E-04	7.07E-04
817	490386.72, 3860585.12	0.00914	0.00896	1.43E-03	1.46E-03	1.35E-03	1.38E-03	1.30E-03	3.79E-04	3.72E-04	7.51E-04	3.70E-04	3.63E-04	7.33E-04	3.65E-04	3.58E-04	7.23E-04
818	490436.72, 3860585.12	0.00937	0.0092	1.47E-03	1.50E-03	1.38E-03	1.42E-03	1.34E-03	3.89E-04	3.82E-04	7.70E-04	3.79E-04	3.72E-04	7.52E-04	3.74E-04	3.68E-04	7.42E-04
819	490486.72, 3860585.12	0.00961	0.00944	1.51E-03	1.54E-03	1.42E-03	1.45E-03	1.37E-03	3.99E-04	3.92E-04	7.90E-04	3.89E-04	3.82E-04	7.71E-04	3.84E-04	3.77E-04	7.61E-04
820	490536.72, 3860585.12	0.00987	0.00971	1.55E-03	1.58E-03	1.46E-03	1.49E-03	1.41E-03	4.09E-04	4.03E-04	8.12E-04	4.00E-04	3.93E-04	7.93E-04	3.94E-04	3.88E-04	7.82E-04
821	490586.72, 3860585.12	0.01013	0.00997	1.59E-03	1.63E-03	1.50E-03	1.53E-03	1.44E-03	4.20E-04	4.14E-04	8.34E-04	4.10E-04	4.04E-04	8.14E-04	4.05E-04	3.98E-04	8.03E-04
822	490636.72, 3860585.12	0.01043	0.01028	1.63E-03	1.68E-03	1.54E-03	1.58E-03	1.49E-03	4.33E-04	4.26E-04	8.59E-04	4.22E-04	4.16E-04	8.38E-04	4.17E-04	4.11E-04	8.27E-04
823	490686.72, 3860585.12	0.01075	0.01061	1.68E-03	1.73E-03	1.59E-03	1.62E-03	1.53E-03	4.46E-04	4.40E-04	8.86E-04	4.35E-04	4.30E-04	8.65E-04	4.29E-04	4.24E-04	8.53E-04
824	490736.72, 3860585.12	0.01111	0.01098	1.74E-03	1.79E-03	1.64E-03	1.68E-03	1.58E-03	4.61E-04	4.56E-04	9.16E-04	4.50E-04	4.45E-04	8.94E-04	4.44E-04	4.39E-04	8.82E-04
825	490786.72, 3860585.12	0.01151	0.01137	1.80E-03	1.86E-03	1.70E-03	1.74E-03	1.64E-03	4.78E-04	4.72E-04	9.49E-04	4.66E-04	4.60E-04	9.26E-04	4.60E-04	4.54E-04	9.14E-04
826	490136.72, 3860635.12	0.00791	0.00776	1.24E-03	1.27E-03	1.17E-03	1.20E-03	1.13E-03	3.28E-04	3.22E-04	6.50E-04	3.20E-04	3.14E-04	6.34E-04	3.16E-04	3.10E-04	6.26E-04
827	490186.72, 3860635.12	0.00808	0.00792	1.27E-03	1.29E-03	1.19E-03	1.22E-03	1.15E-03	3.35E-04	3.29E-04	6.64E-04	3.27E-04	3.21E-04	6.48E-04	3.23E-04	3.16E-04	6.39E-04
828	490236.72, 3860635.12	0.00825	0.00808	1.29E-03	1.32E-03	1.22E-03	1.25E-03	1.18E-03	3.42E-04	3.35E-04	6.77E-04	3.34E-04	3.27E-04	6.61E-04	3.30E-04	3.23E-04	6.52E-04
829	490286.72, 3860635.12	0.00842	0.00825	1.32E-03	1.35E-03	1.24E-03	1.27E-03	1.20E-03	3.49E-04	3.42E-04	6.92E-04	3.41E-04	3.34E-04	6.75E-04	3.36E-04	3.30E-04	6.66E-04
830	490336.72, 3860635.12	0.00861	0.00843	1.35E-03	1.38E-03	1.27E-03	1.30E-03	1.23E-03	3.57E-04	3.50E-04	7.07E-04	3.49E-04	3.41E-04	6.90E-04	3.44E-04	3.37E-04	6.81E-04
831	490386.72, 3860635.12	0.0088	0.00863	1.38E-03	1.41E-03	1.30E-03	1.33E-03	1.25E-03	3.65E-04	3.58E-04	7.23E-04	3.56E-04	3.49E-04	7.06E-04	3.52E-04	3.45E-04	6.96E-04
832	490436.72, 3860635.12	0.00901	0.00883	1.41E-03	1.44E-03	1.33E-03	1.36E-03	1.28E-03	3.74E-04	3.66E-04	7.40E-04	3.65E-04	3.57E-04	7.22E-04	3.60E-04	3.53E-04	7.13E-04
833	490486.72, 3860635.12	0.00923	0.00906	1.45E-03	1.48E-03	1.36E-03	1.40E-03	1.32E-03	3.83E-04	3.76E-04	7.59E-04	3.74E-04	3.67E-04	7.40E-04	3.69E-04	3.62E-04	7.31E-04
834	490536.72, 3860635.12	0.00947	0.0093	1.48E-03	1.52E-03	1.40E-03	1.43E-03	1.35E-03	3.93E-04	3.86E-04	7.79E-04	3.83E-04	3.77E-04	7.60E-04	3.78E-04	3.72E-04	7.50E-04
835	490586.72, 3860635.12	0.00971	0.00955	1.52E-03	1.56E-03	1.43E-03	1.47E-03	1.38E-03	4.03E-04	3.96E-04	7.99E-04	3.93E-04	3.87E-04	7.80E-04	3.88E-04	3.81E-04	7.69E-04
836	490636.72, 3860635.12	0.00997	0.00983	1.56E-03	1.60E-03	1.47E-03	1.51E-03	1.42E-03	4.14E-04	4.08E-04	8.21E-04	4.04E-04	3.98E-04	8.02E-04	3.98E-04	3.93E-04	7.91E-04
837	490686.72, 3860635.12	0.01026	0.01012	1.61E-03	1.65E-03	1.51E-03	1.55E-03	1.46E-03	4.26E-04	4.20E-04	8.46E-04	4.15E-04	4.10E-04	8.25E-04	4.10E-04	4.04E-04	8.14E-04
838	490736.72, 3860635.12	0.01057	0.01044	1.66E-03	1.70E-03	1.56E-03	1.60E-03	1.51E-03	4.39E-04	4.33E-04	8.72E-04	4.28E-04	4.23E-04	8.51E-04	4.22E-04	4.17E-04	8.39E-04
839	490786.72, 3860635.12	0.01092	0.01079	1.71E-03	1.76E-03	1.61E-03	1.65E-03	1.56E-03	4.53E-04	4.48E-04	9.01E-04	4.42E-04	4.37E-04	8.79E-04	4.36E-04	4.31E-04	8.67E-04
840	490136.72, 3860685.12	0.00762	0.00747	1.19E-03	1.22E-03	1.12E-03	1.15E-03	1.09E-03	3.16E-04	3.10E-04	6.26E-04	3.08E-04	3.02E-04	6.11E-04	3.04E-04	2.98E-04	6.03E-04
841	490186.72, 3860685.12	0.00777	0.00762	1.22E-03	1.24E-03	1.15E-03	1.17E-03	1.11E-03	3.22E-04	3.16E-04	6.38E-04	3.15E-04	3.08E-04	6.23E-04	3.10E-04	3.04E-04	6.15E-04
842	490236.72, 3860685.12	0.00794	0.00778	1.24E-03	1.27E-03	1.17E-03	1.20E-03	1.13E-03	3.29E-04	3.23E-04	6.52E-04	3.21E-04	3.15E-04	6.36E-04	3.17E-04	3.11E-04	6.28E-04
843	490286.72, 3860685.12	0.0081	0.00794	1.27E-03	1.30E-03	1.20E-03	1.22E-03	1.15E-03	3.36E-04	3.29E-04	6.65E-04	3.28E-04	3.21E-04	6.49E-04	3.24E-04	3.17E-04	6.41E-04
844	490336.72, 3860685.12	0.00828	0.00812	1.30E-03	1.33E-03	1.22E-03	1.25E-03	1.18E-03	3.44E-04	3.37E-04	6.80E-04	3.35E-04	3.29E-04	6.64E-04	3.31E-04	3.24E-04	6.55E-04
845	490386.72, 3860685.12	0.00847	0.0083	1.33E-03	1.35E-03	1.25E-03	1.28E-03	1.21E-03	3.51E-04	3.44E-04	6.96E-04	3.43E-04	3.36E-04	6.79E-04	3.38E-04	3.32E-04	6.70E-04
846	490436.72, 3860685.12	0.00866	0.00849	1.36E-03	1.39E-03	1.28E-03	1.31E-03	1.23E-03	3.59E-04	3.52E-04	7.12E-04	3.51E-04	3.44E-04	6.94E-04	3.46E-04	3.39E-04	6.85E-04
847	490486.72, 3860685.12	0.00887	0.0087	1.39E-03	1.42E-03	1.31E-03	1.34E-03	1.26E-03	3.68E-04	3.61E-04	7.29E-04	3.59E-04	3.52E-04	7.11E-04	3.54E-04	3.48E-04	7.02E-04
848	490536.72, 3860685.12	0.00909	0.00892	1.42E-03	1.46E-03	1.34E-03	1.37E-03	1.30E-03	3.77E-04	3.70E-04	7.47E-04	3.68E-04	3.61E-04	7.29E-04	3.63E-04	3.56E-04	7.19E-04
849	490586.72, 3860685.12	0.00932	0.00916	1.46E-03	1.50E-03	1.38E-03	1.41E-03	1.33E-03	3.87E-04	3.80E-04	7.67E-04	3.77E-04	3.71E-04	7.48E-04	3.72E-04	3.66E-04	7.38E-04
850	490636.72, 3860685.12	0.00957	0.00942	1.50E-03	1.54E-03	1.41E-03	1.45E-03	1.36E-03	3.97E-04	3.91E-04	7.88E-04	3.87E-04	3.81E-04	7.69E-04	3.82E-04	3.76E-04	7.59E-04
851	490686.72, 3860685.12	0.00984	0.00969	1.54E-03	1.58E-03	1.45E-03	1.49E-03	1.40E-03	4.08E-04	4.02E-04	8.10E-04	3.98E-04	3.92E-04	7.91E-04	3.93E-04	3.87E-04	7.80E-04
852	490736.72, 3860685.12	0.01012	0.00998	1.59E-03	1.63E-03	1.49E-03	1.53E-03	1.44E-03	4.20E-04	4.14E-04	8.34E-04	4.10E-04	4.04E-04	8.14E-04	4.04E-04	3.99E-04	8.03E-04
853	490786.72, 3860685.12	0.01043	0.0103	1.63E-03	1.68E-03	1.54E-03	1.58E-03	1.49E-03	4.33E-04	4.27E-04	8.60E-04	4.22E-04	4.17E-04	8.39E-04	4.17E-04	4.11E-04	8.28E-04
854	490136.72, 3860735.12	0.00732	0.00718	1.15E-03	1.17E-03	1.08E-03	1.11E-03	1.04E-03	3.04E-04	2.98E-04	6.02E-04	2.96E-04	2.91E-04	5.87E-04	2.92E-04	2.87E-04	5.79E-04
855	490186.72, 3860735.12	0.00746	0.00732	1.17E-03	1.19E-03	1.10E-03	1.13E-03	1.06E-03	3.09E-04	3.04E-04	6.13E-04	3.02E-04	2.96E-04	5.98E-04	2.98E-04	2.92E-04	5.90E-04
856	490236.72, 3860735.12	0.00762	0.00747	1.19E-03	1.22E-03	1.12E-03	1.15E-03	1.09E-03	3.16E-04	3.10E-04	6.26E-04	3.08E-04	3.02E-04	6.11E-04	3.04E-04	2.98E-04	6.03E-04
857	490286.72, 3860735.12	0.00778	0.00763	1.22E-03	1.25E-03	1.15E-03	1.18E-03	1.11E-03	3.23E-04	3.17E-04	6.39E-04	3.15E-04	3.09E-04	6.24E-04	3.11E-04	3.05E-04	6.16E-04
858	490336.72, 3860735.12	0.00795	0.0078	1.25E-03	1.27E-03	1.17E-03	1.20E-03	1.13E-03	3.30E-04	3.24E-04	6.53E-04	3.22E-04	3.16E-04	6.38E-04	3.18E-04	3.12E-04	6.29E-04
859	490386.72, 3860735.12	0.00814	0.00797	1.28E-03	1.30E-03	1.20E-03	1.23E-03	1.16E-03	3.38E-04	3.31E-04	6.68E-04	3.30E-04	3.23E-04	6.52E-04	3.25E-04	3.18E-04	6.44E-04
860	490436.72, 3860735.12	0.00833	0.00817	1.30E-03	1.33E-03	1.23E-03	1.26E-03	1.19E-03	3.46E-04	3.39E-04	6.85E-04	3.37E-04	3.31E-04	6.68E-04	3.33E-04	3.26E-04	6.59E-04
861	490486.72, 3860735.12	0.00853	0.00836	1.34E-03	1.36E-03	1.26E-03	1.29E-03	1.22E-03	3.54E-04	3.47E-04	7.01E-04	3.45E-04	3.38E-04	6.84E-04	3.41E-04	3.34E-04	6.75E-04
862	490536.72, 3860735.12	0.00872	0.00856	1.37E-03	1.40E-03	1.29E-03	1.32E-03	1.24E-03	3.62E-04	3.55E-04	7.17E-04	3.53E-04	3.47E-04	7.00E-04	3.48E-04	3.42E-04	6.90E-04
863	490586.72, 3860735.12	0.00894	0.00878	1.40E-03	1.43E-03	1.32E-03	1.35E-03	1.27E-03	3.71E-04	3.64E-04	7.35E-04	3.62E-04	3.55E-04	7.17E-04	3.57E-04	3.51E-04	7.08E-04
864	490636.72, 3860735.12	0.00917	0.00902	1.44E-03	1.47E-03	1.35E-03	1.39E-03	1.31E-03	3.80E-04	3.74E-04	7.55E-04	3.71E-04	3.65E-04	7.36E-04	3.66E-04	3.60E-04	7.27E-04
865	490686.72, 3860735.12	0.00943	0.00928	1.48E-03	1.51E-03	1.39E-03	1.43E-03	1.34E-03	3.91E-04	3.85E-04	7.76E-04	3.82E-04	3.76E-04	7.57E-04	3.77E-04	3.71E-04	7.47E-04
866	490736.72, 3860735.12	0.0097	0.00956	1.52E-03	1.56E-03	1.43E-03	1.47E-03	1.38E-03	4.02E-04	3.97E-04	7.99E-04	3.93E-04	3.87E-04	7.80E-04	3.87E-04	3.82E-04	7.69E-04
867	490136.72, 3860785.12	0.00702	0.00689	1.10E-03	1.12E-03	1.04E-03	1.06E-03	1.00E-03	2.91E-04	2.86E-04	5.77E-04	2.84E-04	2.79E-04	5.63E-04	2.80E-04	2.75E-04	5.56E-04
868	490186.72, 3860785.12	0.00716	0.00703	1.12E-03	1.15E-03	1.06E-03	1.08E-03	1.02E-03	2.97E-04	2.92E-04	5.89E-04	2.90E-04	2.85E-04	5.74E-04	2.86E-04	2.81E-04	5.67E-04
869	490236.72, 3860785.12	0.00731	0.00717	1.15E-03	1.17E-03	1.08E-03	1.10E-03	1.04E-03	3.03E-04	2.97E-04	6.01E-04	2.96E-04	2.90E-04	5.86E-04	2.92E-04	2.86E-04	5.78E-04
870	490286.72, 3860785.12	0.00746	0.00732	1.17E-03	1.19E-03	1.10E-03	1.13E-03	1.06E-03	3.09E-04	3.04E-04	6.13E-04	3.02E-04	2.96E-04	5.98E-04	2.98E-04	2.92E-04	5.90E-04
871	490336.72, 3860785.12	0.00763	0.00748	1.20E-03	1.22E-03	1.13E-03	1.15E-03	1.09E-03	3.17E-04	3.10E-04	6.27E-04	3.09E-04	3.03E-04	6.12E-04	3.05E-04	2.99E-04	6.04E-04
872	490386.72, 3860785.12	0.0078	0.00765	1.22E-03	1.25E-03	1.15E-03	1.18E-03	1.11E-03	3.24E-04	3.17E-04	6.41E-04	3.16E-04	3.10E-04	6.25E-04	3.12E-04	3.06E-04	6.17E-04
873	490436.72, 3860785.12	0.00798	0.00783	1.25E-03	1.28E-03	1.18E-03	1.21E-03	1.14E-03	3.31E-04	3.25E-04	6.56E-04	3.23E-04	3.17E-04	6.40E-04	3.19E-04	3.13E-04	6.32E-04
874	490486.72, 3860785.12	0.00818	0.00802	1.28E-03	1.31E-03	1.21E-03	1.24E-03	1.17E-03	3.39E-04	3.33E-04	6.72E-04	3.31E-04	3.25E-04	6.56E-04	3.27E-04	3.20E-04	6.47E-04
875	490536.72, 3860785.12	0.00837	0.00821	1.31E-03	1.34E-03	1.24E-03	1.27E-03	1.19E-03	3.47E-04	3.41E-04	6.88E-04	3.39E-04	3.32E-04	6.71E-04	3.34E-04	3.28E-04	6.62E-04
876	490586.72, 3860785.12	0.00857	0.00841	1.34E-03	1.37E-03	1.26E-03	1.30E-03	1.22E-03	3.56E-04	3.49E-04	7.04E-04	3.47E-04	3.40E-04	6.87E-04	3.42E-04	3.36E-04	6.78E-04
877	490636.72, 3860785.12	0.00879	0.00863	1.38E-03	1.41E-03	1.30E-03	1.33E-03	1.25E-03	3.65E-04	3.58E-04	7.23E-04	3.56E-04	3.49E-04	7.05E-04	3.51E-04	3.45E-04	6.96E-04
878	490686.72, 3860785.12	0.00902	0.00887	1.41E-03	1.45E-03	1.33E-03	1.36E-03	1.29E-03	3.74E-04	3.68E-04	7.42E-04	3.65E-04	3.59E-04	7.24E-04	3.60E-04	3.54E-04	7.15E-04
879	490736.72, 3860785.12	0.00928	0.00914	1.45E-03	1.49E-03	1.37E-03	1.40E-03	1.32E-03	3.85E-04	3.79E-04	7.64E-04	3.76E-04	3.70E-04	7.46E-04	3.71E-04	3.65E-04	7.36E-04
880	490086.72, 3860835.12	0.00662	0.0065	1.04E-03	1.06E-03	9.77E-04	1.00E-03	9.44E-04	2.75E-04	2.70E-04	5.44E-04	2.68E-04	2.63E-04	5.31E-04	2.64E-04	2.60E-04	5.24E-04
881	490136.72, 3860835.12	0.00675	0.00663	1.06E-03	1.08E-03	9.96E-04	1.02E-03	9.62E-04	2.80E-04	2.75E-04	5.55E-04	2.73E-04	2.68E-04	5.42E-04	2.70E-04	2.65E-04	5.34E-04
882	490186.72, 3860835.12	0.00688	0.00675	1.08E-03	1.10E-03	1.02E-03	1.04E-03	9.81E-04	2.85E-04	2.80E-04	5.65E-04	2.79E-04	2.73E-04	5.52E-04	2.75E-04	2.70E-04	5.44E-04
883	490236.72, 3860835.12	0.00702	0.00689	1.10E-03	1.12E-03	1.04E-03	1.06E-03	1.00E-03	2.91E-04	2.86E-04	5.77E-04	2.84E-04	2.79E-04	5.63E-04	2.80E-04	2.75E-04	5.56E-04
884	490286.72, 3860835.12	0.00717	0.00703	1.12E-03	1.15E-03	1.06E-03	1.08E-03	1.02E-03	2.97E-04	2.92E-04	5.89E-04	2.90E-04	2.85E-04	5.75E-04	2.86E-04	2.81E-04	5.67E-04
885	490336.72, 3860835.12	0.00732	0.00717	1.15E-03	1.17E-03	1.08E-03	1.11E-03	1.04E-03	3.04E-04	2.97E-04	6.01E-04	2.96E-04	2.90E-04	5.87E-04	2.92E-04	2.86E-04	5.79E-04
886	490386.72, 3860835.12	0.00748	0.00733	1.17E-03	1.20E-03	1.10E-03	1.13E-03	1.07E-03	3.10E-04	3.04E-04	6.14E-04	3.03E-04	2.97E-04	6.00E-04	2.99E-04	2.93E-04	5.92E-04
887	490436.72, 3860835.12	0.00765	0.0075	1.20E-03	1.22E-03	1.13E-03	1.16E-03	1.09E-03	3.17E-04	3.11E-04	6.29E-04	3.10E-04	3.04E-04	6.13E-04	3.06E-04	3.00E-04	6.05E-04
888	490486.72, 3860835.12	0.00783	0.00767	1.23E-03	1.25E-03	1.16E-03	1.18E-03	1.12E-03	3.25E-04	3.18E-04	6.43E-04	3.17E-04	3.11E-04	6.28E-04	3.13E-04	3.06E-04	6.19E-04
889	490536.72, 3860835.12	0.00802	0.00786	1.26E-03	1.28E-03	1.18E-03	1.21E-03	1.14E-03	3.33E-04	3.26E-04	6.59E-04	3.25E-04	3.18E-04	6.43E-04	3.20E-04	3.14E-04	6.34E-04
890	490586.72, 3860835.12	0.00821	0.00805	1.29E-03	1.31E-03	1.21E-03	1.24E-03	1.17E-03	3.41E-04	3.34E-04	6.75E-04	3.32E-04	3.26E-04	6.58E-04	3.28E-04	3.22E-04	6.50E-04
891	490636.72, 3860835.12	0.00841	0.00826	1.32E-03	1.35E-03	1.24E-03	1.27E-03	1.20E-03	3.49E-04	3.43E-04	6.92E-04	3.40E-04	3.34E-04	6.75E-04	3.36E-04	3.30E-04	6.66E-04
892	490686.72, 3860835.12	0.00863	0.00848	1.35E-03	1.38E-03	1.27E-03	1.30E-03	1.23E-03	3.58E-04	3.52E-04	7.10E-04	3.49E-04	3.43E-04	6.93E-04	3.45E-04	3.39E-04	6.83E-04
893	490736.72, 3860835.12	0.00888	0.00873	1.39E-03	1.42E-03	1.31E-03	1.34E-03	1.27E-03	3.68E-04	3.62E-04	7.31E-04	3.60E-04	3.53E-04	7.13E-04	3.55E-04	3.49E-04	7.03E-04
894	490086.72, 3860885.12	0.00639	0.00627	1.00E-03	1.02E-03	9.43E-04	9.66E-04	9.11E-04	2.65E-04	2.60E-04	5.25E-04	2.59E-04	2.54E-04	5.13E-04	2.55E-04	2.50E-04	5.06E-04
895	490136.72, 3860885.12	0.00651	0.00639	1.02E-03	1.04E-03	9.61E-04	9.84E-04	9.28E-04	2.70E-04	2.65E-04	5.35E-04	2.64E-04	2.59E-04	5.22E-04	2.60E-04	2.55E-04	5.15E-04
896	490186.72, 3860885.12	0.00663	0.00651	1.04E-03	1.06E-03	9.79E-04	1.00E-03	9.45E-04	2.75E-04	2.70E-04	5.45E-04	2.68E-04	2.64E-04	5.32E-04	2.65E-04	2.60E-04	5.25E-04
897	490236.72, 3860885.12	0.00676	0.00663	1.06E-03	1.08E-03	9.98E-04	1.02E-03	9.64E-04	2.80E-04	2.75E-04	5.56E-04	2.74E-04	2.68E-04	5.42E-04	2.70E-04	2.65E-04	5.35E-04
898	490286.72, 3860885.12	0.00689	0.00676	1.08E-03	1.10E-03	1.02E-03	1.04E-03	9.82E-04	2.86E-04	2.80E-04	5.66E-04	2.79E-04	2.74E-04	5.53E-04	2.75E-04	2.70E-04	5.45E-04
899	490336.72, 3860885.12	0.00703	0.00689	1.10E-03	1.12E-03	1.04E-03	1.06E-03	1.00E-03	2.92E-04	2.86E-04	5.78E-04	2.85E-04	2.79E-04	5.64E-04	2.81E-04	2.75E-04	5.56E-04
900	490386.72, 3860885.12	0.00718	0.00704	1.12E-03	1.15E-03	1.06E-03	1.09E-03	1.02E-03	2.98E-04	2.92E-04	5.90E-04	2.91E-04	2.85E-04	5.76E-04	2.87E-04	2.81E-04	5.68E-04
901	490436.72, 3860885.12	0.00734	0.00719	1.15E-03	1.17E-03	1.08E-03	1.11E-03	1.05E-03	3.05E-04	2.98E-04	6.03E-04	2.97E-04	2.91E-04	5.88E-04	2.93E-04	2.87E-04	5.80E-04
902	490486.72, 3860885.12	0.0075	0.00736	1.17E-03	1.20E-03	1.11E-03	1.13E-03	1.07E-03	3.11E-04	3.05E-04	6.17E-04	3.04E-04	2.98E-04	6.02E-04	3.00E-04	2.94E-04	5.94E-04
903	490536.72, 3860885.12	0.00768	0.00753	1.20E-03	1.23E-03	1.13E-03	1.16E-03	1.10E-03	3.19E-04	3.12E-04	6.31E-04	3.11E-04	3.05E-04	6.16E-04	3.07E-04	3.01E-04	6.08E-04
904	490586.72, 3860885.12	0.00786	0.00771	1.23E-03	1.26E-03	1.16E-03	1.19E-03	1.12E-03	3.26E-04	3.20E-04	6.46E-04	3.18E-04	3.12E-04	6.30E-04	3.14E-04	3.08E-04	6.22E-04
905	490636.72, 3860885.12	0.00805	0.00789	1.26E-03	1.29E-03	1.19E-03	1.22E-03	1.15E-03	3.34E-04	3.27E-04	6.61E-04	3.26E-04	3.19E-04	6.45E-04	3.22E-04	3.15E-04	6.37E-04
906	490686.72, 3860885.12	0.00825	0.0081	1.29E-03	1.32E-03	1.22E-03	1.25E-03	1.18E-03	3.42E-04	3.36E-04	6.78E-04	3.34E-04	3.28E-04	6.62E-04	3.30E-04	3.24E-04	6.53E-04
907	490736.72, 3860885.12	0.00847	0.00833	1.33E-03	1.36E-03	1.25E-03	1.28E-03	1.21E-03	3.51E-04	3.46E-04	6.97E-04	3.43E-04	3.37E-04	6.80E-04	3.38E-04	3.33E-04	6.71E-04
908	490086.72, 3860935.12	0.00617	0.00606	9.67E-04	9.89E-04	9.11E-04	9.33E-04	8.80E-04	2.56E-04	2.51E-04	5.07E-04	2.50E-04	2.45E-04	4.95E-04	2.46E-04	2.42E-04	4.89E-04
909	490136.72, 3860935.12	0.00628	0.00617	9.84E-04	1.01E-03	9.27E-04	9.49E-04	8.95E-04	2.61E-04	2.56E-04	5.17E-04	2.54E-04	2.50E-04	5.04E-04	2.51E-04	2.46E-04	4.97E-04
910	490186.72, 3860935.12	0.00639	0.00628	1.00E-03	1.03E-03	9.43E-04	9.66E-04	9.11E-04	2.65E-04	2.61E-04	5.26E-04	2.59E-04	2.54E-04	5.13E-04	2.55E-04	2.51E-04	5.06E-04
911	490236.72, 3860935.12	0.00651	0.0064	1.02E-03	1.04E-03	9.61E-04	9.84E-04	9.28E-04	2.70E-04	2.66E-04	5.36E-04	2.64E-04	2.59E-04	5.23E-04	2.60E-04	2.56E-04	5.16E-04
912	490286.72, 3860935.12	0.00664	0.00652	1.04E-03	1.06E-03	9.80E-04	1.00E-03	9.47E-04	2.75E-04	2.71E-04	5.46E-04	2.69E-04	2.64E-04	5.33E-04	2.65E-04	2.60E-04	5.26E-04
913	490336.72, 3860935.12	0.00677	0.00664	1.06E-03	1.08E-03	9.99E-04	1.02E-03	9.65E-04	2.81E-04	2.75E-04	5.56E-04	2.74E-04	2.69E-04	5.43E-04	2.70E-04	2.65E-04	5.36E-04
914	490386.72, 3860935.12	0.00691	0.00677	1.08E-03	1.11E-03	1.02E-03	1.04E-03	9.85E-04	2.87E-04	2.81E-04	5.68E-04	2.80E-04	2.74E-04	5.54E-04	2.76E-04	2.70E-04	5.46E-04
915	490436.72, 3860935.12	0.00706	0.00692	1.11E-03	1.13E-03	1.04E-03	1.07E-03	1.01E-03	2.93E-04	2.87E-04	5.80E-04	2.86E-04	2.80E-04	5.66E-04	2.82E-04	2.76E-04	5.58E-04
916	490486.72, 3860935.12	0.00721	0.00706	1.13E-03	1.15E-03	1.06E-03	1.09E-03	1.03E-03	2.99E-04	2.93E-04	5.92E-04	2.92E-04	2.86E-04	5.78E-04	2.88E-04	2.82E-04	5.70E-04
917	490536.72, 3860935.12	0.00737	0.00722	1.15E-03	1.18E-03	1.09E-03	1.11E-03	1.05E-03	3.06E-04	3.00E-04	6.05E-04	2.98E-04	2.92E-04	5.91E-04	2.94E-04	2.88E-04	5.83E-04
918	490586.72, 3860935.12	0.00753	0.00738	1.18E-03	1.20E-03	1.11E-03	1.14E-03	1.07E-03	3.12E-04	3.06E-04	6.19E-04	3.05E-04	2.99E-04	6.04E-04	3.01E-04	2.95E-04	5.96E-04
919	490636.72, 3860935.12	0.00771	0.00756	1.21E-03	1.23E-03	1.14E-03	1.17E-03	1.10E-03	3.20E-04	3.14E-04	6.34E-04	3.12E-04	3.06E-04	6.18E-04	3.08E-04	3.02E-04	6.10E-04
920	490686.72, 3860935.12	0.0079	0.00775	1.24E-03	1.27E-03	1.17E-03	1.19E-03	1.13E-03	3.28E-04	3.22E-04	6.49E-04	3.20E-04	3.14E-04	6.34E-04	3.16E-04	3.10E-04	6.25E-04
921	490736.72, 3860935.12	0.0081	0.00795	1.27E-03	1.30E-03	1.20E-03	1.22E-03	1.15E-03	3.36E-04	3.30E-04	6.66E-04	3.28E-04	3.22E-04	6.50E-04	3.24E-04	3.18E-04	6.41E-04
922	490786.72, 3860935.12	0.00831	0.00817	1.30E-03	1.33E-03	1.23E-03	1.26E-03	1.18E-03	3.45E-04	3.39E-04	6.84E-04	3.36E-04	3.31E-04	6.67E-04	3.32E-04	3.26E-04	6.58E-04
923	490836.72, 3860935.12	0.00855	0.00841	1.34E-03	1.37E-03	1.26E-03	1.29E-03	1.22E-03	3.55E-04	3.49E-04	7.04E-04	3.46E-04	3.40E-04	6.87E-04	3.42E-04	3.36E-04	6.77E-04
924	490086.72, 3860985.12	0.00598	0.00588	9.37E-04	9.60E-04	8.83E-04	9.04E-04	8.53E-04	2.48E-04	2.44E-04	4.92E-04	2.42E-04	2.38E-04	4.80E-04	2.39E-04	2.35E-04	4.74E-04

925	490136.72, 3860985.12	0.00608	0.00597	9.52E-04	9.74E-04	8.97E-04	9.19E-04	8.67E-04	2.52E-04	2.48E-04	5.00E-04	2.46E-04	2.42E-04	4.88E-04	2.43E-04	2.38E-04	4.81E-04
926	490186.72, 3860985.12	0.00619	0.00608	9.70E-04	9.92E-04	9.14E-04	9.36E-04	8.83E-04	2.57E-04	2.52E-04	5.09E-04	2.51E-04	2.46E-04	4.97E-04	2.47E-04	2.43E-04	4.90E-04
927	490236.72, 3860985.12	0.00629	0.00618	9.85E-04	1.01E-03	9.28E-04	9.51E-04	8.97E-04	2.61E-04	2.56E-04	5.17E-04	2.55E-04	2.50E-04	5.05E-04	2.51E-04	2.47E-04	4.98E-04
928	490286.72, 3860985.12	0.00641	0.00629	1.00E-03	1.03E-03	9.46E-04	9.69E-04	9.14E-04	2.66E-04	2.61E-04	5.27E-04	2.60E-04	2.55E-04	5.14E-04	2.56E-04	2.51E-04	5.07E-04
929	490336.72, 3860985.12	0.00653	0.00641	1.02E-03	1.05E-03	9.64E-04	9.87E-04	9.31E-04	2.71E-04	2.66E-04	5.37E-04	2.64E-04	2.60E-04	5.24E-04	2.61E-04	2.56E-04	5.17E-04
930	490386.72, 3860985.12	0.00666	0.00653	1.04E-03	1.07E-03	9.83E-04	1.01E-03	9.50E-04	2.76E-04	2.71E-04	5.47E-04	2.70E-04	2.64E-04	5.34E-04	2.66E-04	2.61E-04	5.27E-04
931	490436.72, 3860985.12	0.0068	0.00667	1.07E-03	1.09E-03	1.00E-03	1.03E-03	9.70E-04	2.82E-04	2.77E-04	5.59E-04	2.75E-04	2.70E-04	5.45E-04	2.72E-04	2.66E-04	5.38E-04
932	490486.72, 3860985.12	0.00694	0.0068	1.09E-03	1.11E-03	1.02E-03	1.05E-03	9.90E-04	2.88E-04	2.82E-04	5.70E-04	2.81E-04	2.75E-04	5.56E-04	2.77E-04	2.72E-04	5.49E-04
933	490536.72, 3860985.12	0.00708	0.00694	1.11E-03	1.13E-03	1.04E-03	1.07E-03	1.01E-03	2.94E-04	2.88E-04	5.82E-04	2.87E-04	2.81E-04	5.68E-04	2.83E-04	2.77E-04	5.60E-04
934	490586.72, 3860985.12	0.00724	0.00709	1.13E-03	1.16E-03	1.07E-03	1.09E-03	1.03E-03	3.00E-04	2.94E-04	5.95E-04	2.93E-04	2.87E-04	5.80E-04	2.89E-04	2.83E-04	5.72E-04
935	490636.72, 3860985.12	0.0074	0.00725	1.16E-03	1.18E-03	1.09E-03	1.12E-03	1.06E-03	3.07E-04	3.01E-04	6.08E-04	3.00E-04	2.94E-04	5.93E-04	2.96E-04	2.90E-04	5.85E-04
936	490686.72, 3860985.12	0.00757	0.00742	1.19E-03	1.21E-03	1.12E-03	1.14E-03	1.08E-03	3.14E-04	3.08E-04	6.22E-04	3.06E-04	3.00E-04	6.07E-04	3.02E-04	2.96E-04	5.99E-04
937	490736.72, 3860985.12	0.00775	0.0076	1.21E-03	1.24E-03	1.14E-03	1.17E-03	1.11E-03	3.22E-04	3.15E-04	6.37E-04	3.14E-04	3.08E-04	6.21E-04	3.10E-04	3.04E-04	6.13E-04
938	490786.72, 3860985.12	0.00795	0.0078	1.25E-03	1.27E-03	1.17E-03	1.20E-03	1.13E-03	3.30E-04	3.24E-04	6.53E-04	3.22E-04	3.16E-04	6.38E-04	3.18E-04	3.12E-04	6.29E-04
939	490836.72, 3860985.12	0.00816	0.00802	1.28E-03	1.31E-03	1.20E-03	1.23E-03	1.16E-03	3.39E-04	3.33E-04	6.71E-04	3.30E-04	3.25E-04	6.55E-04	3.26E-04	3.20E-04	6.46E-04
940	490086.72, 3861035.12	0.00579	0.0057	9.07E-04	9.30E-04	8.55E-04	8.75E-04	8.26E-04	2.40E-04	2.36E-04	4.77E-04	2.34E-04	2.31E-04	4.65E-04	2.31E-04	2.28E-04	4.59E-04
941	490136.72, 3861035.12	0.00589	0.0058	9.23E-04	9.47E-04	8.69E-04	8.90E-04	8.40E-04	2.44E-04	2.41E-04	4.85E-04	2.38E-04	2.35E-04	4.73E-04	2.35E-04	2.32E-04	4.67E-04
942	490186.72, 3861035.12	0.00599	0.00589	9.38E-04	9.61E-04	8.84E-04	9.05E-04	8.54E-04	2.49E-04	2.44E-04	4.93E-04	2.43E-04	2.38E-04	4.81E-04	2.39E-04	2.35E-04	4.75E-04
943	490236.72, 3861035.12	0.0061	0.00599	9.56E-04	9.78E-04	9.00E-04	9.22E-04	8.70E-04	2.53E-04	2.49E-04	5.02E-04	2.47E-04	2.43E-04	4.89E-04	2.44E-04	2.39E-04	4.83E-04
944	490286.72, 3861035.12	0.0062	0.00609	9.71E-04	9.94E-04	9.15E-04	9.37E-04	8.84E-04	2.57E-04	2.53E-04	5.10E-04	2.51E-04	2.47E-04	4.98E-04	2.48E-04	2.43E-04	4.91E-04
945	490336.72, 3861035.12	0.00631	0.0062	9.88E-04	1.01E-03	9.31E-04	9.54E-04	9.00E-04	2.62E-04	2.57E-04	5.19E-04	2.55E-04	2.51E-04	5.06E-04	2.52E-04	2.48E-04	5.00E-04
946	490386.72, 3861035.12	0.00644	0.00632	1.01E-03	1.03E-03	9.50E-04	9.73E-04	9.18E-04	2.67E-04	2.62E-04	5.29E-04	2.61E-04	2.56E-04	5.17E-04	2.57E-04	2.52E-04	5.10E-04
947	490436.72, 3861035.12	0.00656	0.00644	1.03E-03	1.05E-03	9.68E-04	9.92E-04	9.35E-04	2.72E-04	2.67E-04	5.39E-04	2.66E-04	2.61E-04	5.26E-04	2.62E-04	2.57E-04	5.19E-04
948	490486.72, 3861035.12	0.00669	0.00656	1.05E-03	1.07E-03	9.87E-04	1.01E-03	9.54E-04	2.78E-04	2.72E-04	5.50E-04	2.71E-04	2.66E-04	5.36E-04	2.67E-04	2.62E-04	5.29E-04
949	490536.72, 3861035.12	0.00683	0.00669	1.07E-03	1.09E-03	1.01E-03	1.03E-03	9.74E-04	2.83E-04	2.78E-04	5.61E-04	2.77E-04	2.71E-04	5.47E-04	2.73E-04	2.67E-04	5.40E-04
950	490586.72, 3861035.12	0.00697	0.00683	1.09E-03	1.11E-03	1.03E-03	1.05E-03	9.94E-04	2.89E-04	2.83E-04	5.73E-04	2.82E-04	2.77E-04	5.59E-04	2.78E-04	2.73E-04	5.51E-04
951	490636.72, 3861035.12	0.00712	0.00697	1.12E-03	1.14E-03	1.05E-03	1.08E-03	1.02E-03	2.95E-04	2.89E-04	5.85E-04	2.88E-04	2.82E-04	5.70E-04	2.84E-04	2.78E-04	5.63E-04
952	490686.72, 3861035.12	0.00727	0.00713	1.14E-03	1.16E-03	1.07E-03	1.10E-03	1.04E-03	3.02E-04	2.96E-04	5.97E-04	2.94E-04	2.89E-04	5.83E-04	2.90E-04	2.85E-04	5.75E-04
953	490736.72, 3861035.12	0.00744	0.00729	1.17E-03	1.19E-03	1.10E-03	1.12E-03	1.06E-03	3.09E-04	3.02E-04	6.11E-04	3.01E-04	2.95E-04	5.96E-04	2.97E-04	2.91E-04	5.88E-04
954	490786.72, 3861035.12	0.00761	0.00747	1.19E-03	1.22E-03	1.12E-03	1.15E-03	1.09E-03	3.16E-04	3.10E-04	6.26E-04	3.08E-04	3.02E-04	6.11E-04	3.04E-04	2.98E-04	6.02E-04
955	490836.72, 3861035.12	0.0078	0.00766	1.22E-03	1.25E-03	1.15E-03	1.18E-03	1.11E-03	3.24E-04	3.18E-04	6.41E-04	3.16E-04	3.10E-04	6.26E-04	3.12E-04	3.06E-04	6.18E-04
956	490086.72, 3861085.12	0.00563	0.00554	8.82E-04	9.04E-04	8.31E-04	8.51E-04	8.03E-04	2.34E-04	2.30E-04	4.63E-04	2.28E-04	2.24E-04	4.52E-04	2.25E-04	2.21E-04	4.46E-04
957	490136.72, 3861085.12	0.00572	0.00563	8.96E-04	9.19E-04	8.44E-04	8.65E-04	8.16E-04	2.37E-04	2.34E-04	4.71E-04	2.32E-04	2.28E-04	4.59E-04	2.28E-04	2.25E-04	4.53E-04
958	490186.72, 3861085.12	0.00582	0.00573	9.12E-04	9.35E-04	8.59E-04	8.80E-04	8.30E-04	2.41E-04	2.38E-04	4.79E-04	2.36E-04	2.32E-04	4.68E-04	2.32E-04	2.29E-04	4.61E-04
959	490236.72, 3861085.12	0.00591	0.00582	9.26E-04	9.50E-04	8.72E-04	8.93E-04	8.43E-04	2.45E-04	2.41E-04	4.87E-04	2.39E-04	2.36E-04	4.75E-04	2.36E-04	2.32E-04	4.69E-04
960	490286.72, 3861085.12	0.00601	0.00591	9.41E-04	9.65E-04	8.87E-04	9.08E-04	8.57E-04	2.49E-04	2.45E-04	4.95E-04	2.43E-04	2.39E-04	4.83E-04	2.40E-04	2.36E-04	4.76E-04
961	490336.72, 3861085.12	0.00611	0.00601	9.57E-04	9.81E-04	9.02E-04	9.24E-04	8.71E-04	2.53E-04	2.49E-04	5.03E-04	2.47E-04	2.43E-04	4.91E-04	2.44E-04	2.40E-04	4.84E-04
962	490386.72, 3861085.12	0.00623	0.00612	9.76E-04	9.99E-04	9.19E-04	9.42E-04	8.88E-04	2.58E-04	2.54E-04	5.12E-04	2.52E-04	2.48E-04	5.00E-04	2.49E-04	2.44E-04	4.93E-04
963	490436.72, 3861085.12	0.00634	0.00623	9.93E-04	1.02E-03	9.36E-04	9.58E-04	9.04E-04	2.63E-04	2.58E-04	5.22E-04	2.57E-04	2.52E-04	5.09E-04	2.53E-04	2.49E-04	5.02E-04
964	490486.72, 3861085.12	0.00647	0.00634	1.01E-03	1.03E-03	9.55E-04	9.78E-04	9.23E-04	2.68E-04	2.63E-04	5.31E-04	2.62E-04	2.57E-04	5.19E-04	2.58E-04	2.53E-04	5.12E-04
965	490536.72, 3861085.12	0.00659	0.00647	1.03E-03	1.06E-03	9.73E-04	9.96E-04	9.40E-04	2.73E-04	2.68E-04	5.42E-04	2.67E-04	2.62E-04	5.29E-04	2.63E-04	2.58E-04	5.22E-04
966	490586.72, 3861085.12	0.00672	0.00659	1.05E-03	1.08E-03	9.92E-04	1.02E-03	9.58E-04	2.79E-04	2.73E-04	5.52E-04	2.72E-04	2.67E-04	5.39E-04	2.68E-04	2.63E-04	5.32E-04
967	490636.72, 3861085.12	0.00686	0.00672	1.07E-03	1.10E-03	1.01E-03	1.04E-03	9.78E-04	2.85E-04	2.79E-04	5.63E-04	2.78E-04	2.72E-04	5.50E-04	2.74E-04	2.68E-04	5.42E-04
968	490686.72, 3861085.12	0.007	0.00686	1.10E-03	1.12E-03	1.03E-03	1.06E-03	9.98E-04	2.90E-04	2.85E-04	5.75E-04	2.83E-04	2.78E-04	5.61E-04	2.80E-04	2.74E-04	5.54E-04
969	490736.72, 3861085.12	0.00715	0.00701	1.12E-03	1.14E-03	1.06E-03	1.08E-03	1.02E-03	2.97E-04	2.91E-04	5.87E-04	2.89E-04	2.84E-04	5.73E-04	2.86E-04	2.80E-04	5.66E-04
970	490786.72, 3861085.12	0.00731	0.00717	1.15E-03	1.17E-03	1.08E-03	1.10E-03	1.04E-03	3.03E-04	2.97E-04	6.01E-04	2.96E-04	2.90E-04	5.86E-04	2.92E-04	2.86E-04	5.78E-04
971	490836.72, 3861085.12	0.00748	0.00734	1.17E-03	1.20E-03	1.10E-03	1.13E-03	1.07E-03	3.10E-04	3.05E-04	6.15E-04	3.03E-04	2.97E-04	6.00E-04	2.99E-04	2.93E-04	5.92E-04
972	490086.72, 3861135.12	0.00547	0.00539	8.57E-04	8.80E-04	8.07E-04	8.27E-04	7.80E-04	2.27E-04	2.24E-04	4.51E-04	2.21E-04	2.18E-04	4.40E-04	2.19E-04	2.15E-04	4.34E-04
973	490136.72, 3861135.12	0.00555	0.00548	8.69E-04	8.94E-04	8.19E-04	8.39E-04	7.91E-04	2.30E-04	2.27E-04	4.58E-04	2.25E-04	2.22E-04	4.47E-04	2.22E-04	2.19E-04	4.41E-04
974	490186.72, 3861135.12	0.00565	0.00556	8.85E-04	9.08E-04	8.34E-04	8.54E-04	8.06E-04	2.34E-04	2.31E-04	4.65E-04	2.29E-04	2.25E-04	4.54E-04	2.26E-04	2.22E-04	4.48E-04
975	490236.72, 3861135.12	0.00574	0.00565	8.99E-04	9.22E-04	8.47E-04	8.68E-04	8.18E-04	2.38E-04	2.34E-04	4.73E-04	2.32E-04	2.29E-04	4.61E-04	2.29E-04	2.26E-04	4.55E-04
976	490286.72, 3861135.12	0.00583	0.00574	9.13E-04	9.37E-04	8.60E-04	8.81E-04	8.31E-04	2.42E-04	2.38E-04	4.80E-04	2.36E-04	2.32E-04	4.68E-04	2.33E-04	2.29E-04	4.62E-04
977	490336.72, 3861135.12	0.00593	0.00584	9.29E-04	9.53E-04	8.75E-04	8.96E-04	8.46E-04	2.46E-04	2.42E-04	4.88E-04	2.40E-04	2.36E-04	4.77E-04	2.37E-04	2.33E-04	4.70E-04
978	490386.72, 3861135.12	0.00604	0.00593	9.46E-04	9.68E-04	8.91E-04	9.13E-04	8.61E-04	2.51E-04	2.46E-04	4.97E-04	2.45E-04	2.40E-04	4.85E-04	2.41E-04	2.37E-04	4.78E-04
979	490436.72, 3861135.12	0.00614	0.00604	9.62E-04	9.86E-04	9.06E-04	9.28E-04	8.75E-04	2.55E-04	2.51E-04	5.05E-04	2.49E-04	2.45E-04	4.93E-04	2.45E-04	2.41E-04	4.87E-04
980	490486.72, 3861135.12	0.00626	0.00614	9.81E-04	1.00E-03	9.24E-04	9.46E-04	8.93E-04	2.60E-04	2.55E-04	5.14E-04	2.53E-04	2.49E-04	5.02E-04	2.50E-04	2.45E-04	4.95E-04
981	490536.72, 3861135.12	0.00637	0.00626	9.98E-04	1.02E-03	9.40E-04	9.63E-04	9.08E-04	2.64E-04	2.60E-04	5.24E-04	2.58E-04	2.53E-04	5.11E-04	2.54E-04	2.50E-04	5.05E-04
982	490586.72, 3861135.12	0.0065	0.00637	1.02E-03	1.04E-03	9.59E-04	9.83E-04	9.27E-04	2.70E-04	2.64E-04	5.34E-04	2.63E-04	2.58E-04	5.21E-04	2.60E-04	2.54E-04	5.14E-04
983	490636.72, 3861135.12	0.00662	0.00649	1.04E-03	1.06E-03	9.77E-04	1.00E-03	9.44E-04	2.75E-04	2.69E-04	5.44E-04	2.68E-04	2.63E-04	5.31E-04	2.64E-04	2.59E-04	5.24E-04
984	490686.72, 3861135.12	0.00675	0.00662	1.06E-03	1.08E-03	9.96E-04	1.02E-03	9.62E-04	2.80E-04	2.75E-04	5.55E-04	2.73E-04	2.68E-04	5.41E-04	2.70E-04	2.64E-04	5.34E-04
985	490736.72, 3861135.12	0.00689	0.00676	1.08E-03	1.10E-03	1.02E-03	1.04E-03	9.82E-04	2.86E-04	2.80E-04	5.66E-04	2.79E-04	2.74E-04	5.53E-04	2.75E-04	2.70E-04	5.45E-04
986	490786.72, 3861135.12	0.00704	0.0069	1.10E-03	1.13E-03	1.04E-03	1.06E-03	1.00E-03	2.92E-04	2.86E-04	5.78E-04	2.85E-04	2.79E-04	5.64E-04	2.81E-04	2.76E-04	5.57E-04
987	490836.72, 3861135.12	0.0072	0.00706	1.13E-03	1.15E-03	1.06E-03	1.09E-03	1.03E-03	2.99E-04	2.93E-04	5.92E-04	2.91E-04	2.86E-04	5.77E-04	2.88E-04	2.82E-04	5.70E-04
988	490086.72, 3861185.12	0.00532	0.00525	8.33E-04	8.57E-04	7.85E-04	8.04E-04	7.59E-04	2.21E-04	2.18E-04	4.39E-04	2.15E-04	2.13E-04	4.28E-04	2.13E-04	2.10E-04	4.22E-04
989	490136.72, 3861185.12	0.00539	0.00532	8.44E-04	8.68E-04	7.95E-04	8.15E-04	7.69E-04	2.24E-04	2.21E-04	4.44E-04	2.18E-04	2.15E-04	4.34E-04	2.15E-04	2.13E-04	4.28E-04
990	490186.72, 3861185.12	0.00548	0.0054	8.58E-04	8.81E-04	8.09E-04	8.28E-04	7.81E-04	2.27E-04	2.24E-04	4.51E-04	2.22E-04	2.19E-04	4.40E-04	2.19E-04	2.16E-04	4.35E-04
991	490236.72, 3861185.12	0.00557	0.00549	8.73E-04	8.96E-04	8.22E-04	8.42E-04	7.94E-04	2.31E-04	2.28E-04	4.59E-04	2.25E-04	2.22E-04	4.48E-04	2.23E-04	2.19E-04	4.42E-04
992	490286.72, 3861185.12	0.00566	0.00558	8.87E-04	9.11E-04	8.35E-04	8.56E-04	8.07E-04	2.35E-04	2.32E-04	4.66E-04	2.29E-04	2.26E-04	4.55E-04	2.26E-04	2.23E-04	4.49E-04
993	490336.72, 3861185.12	0.00575	0.00566	9.01E-04	9.24E-04	8.49E-04	8.69E-04	8.20E-04	2.39E-04	2.35E-04	4.73E-04	2.33E-04	2.29E-04	4.62E-04	2.30E-04	2.26E-04	4.56E-04
994	490386.72, 3861185.12	0.00585	0.00576	9.16E-04	9.40E-04	8.63E-04	8.84E-04	8.34E-04	2.43E-04	2.39E-04	4.82E-04	2.37E-04	2.33E-04	4.70E-04	2.34E-04	2.30E-04	4.64E-04
995	490436.72, 3861185.12	0.00595	0.00586	9.32E-04	9.57E-04	8.78E-04	8.99E-04	8.48E-04	2.47E-04	2.43E-04	4.90E-04	2.41E-04	2.37E-04	4.78E-04	2.38E-04	2.34E-04	4.72E-04
996	490486.72, 3861185.12	0.00606	0.00595	9.49E-04	9.71E-04	8.94E-04	9.16E-04	8.64E-04	2.51E-04	2.47E-04	4.98E-04	2.45E-04	2.41E-04	4.86E-04	2.42E-04	2.38E-04	4.80E-04
997	490536.72, 3861185.12	0.00617	0.00606	9.67E-04	9.89E-04	9.11E-04	9.33E-04	8.80E-04	2.56E-04	2.51E-04	5.07E-04	2.50E-04	2.45E-04	4.95E-04	2.46E-04	2.42E-04	4.89E-04
998	490586.72, 3861185.12	0.00629	0.00617	9.85E-04	1.01E-03	9.28E-04	9.51E-04	8.97E-04	2.61E-04	2.56E-04	5.17E-04	2.55E-04	2.50E-04	5.04E-04	2.51E-04	2.46E-04	4.98E-04
999	490636.72, 3861185.12	0.0064	0.00628	1.00E-03	1.03E-03	9.45E-04	9.67E-04	9.13E-04	2.66E-04	2.61E-04	5.26E-04	2.59E-04	2.54E-04	5.13E-04	2.56E-04	2.51E-04	5.07E-04
1000	490686.72, 3861185.12	0.00652	0.0064	1.02E-03	1.04E-03	9.62E-04	9.86E-04	9.30E-04	2.71E-04	2.66E-04	5.36E-04	2.64E-04	2.59E-04	5.23E-04	2.60E-04	2.56E-04	5.16E-04
1001	490736.72, 3861185.12	0.00666	0.00652	1.04E-03	1.06E-03	9.83E-04	1.01E-03	9.50E-04	2.76E-04	2.71E-04	5.47E-04	2.70E-04	2.64E-04	5.34E-04	2.66E-04	2.60E-04	5.27E-04
1002	490786.72, 3861185.12	0.00679	0.00666	1.06E-03	1.09E-03	1.00E-03	1.03E-03	9.68E-04	2.82E-04	2.76E-04	5.58E-04	2.75E-04	2.70E-04	5.45E-04	2.71E-04	2.66E-04	5.37E-04
1003	490836.72, 3861185.12	0.00694	0.0068	1.09E-03	1.11E-03	1.02E-03	1.05E-03	9.90E-04	2.88E-04	2.82E-04	5.70E-04	2.81E-04	2.75E-04	5.56E-04	2.77E-04	2.72E-04	5.49E-04
1004	490086.72, 3861235.12	0.00517	0.00511	8.10E-04	8.34E-04	7.63E-04	7.82E-04	7.37E-04	2.14E-04	2.12E-04	4.26E-04	2.09E-04	2.07E-04	4.16E-04	2.07E-04	2.04E-04	4.11E-04
1005	490136.72, 3861235.12	0.00525	0.00518	8.22E-04	8.46E-04	7.75E-04	7.94E-04	7.49E-04	2.18E-04	2.15E-04	4.33E-04	2.13E-04	2.10E-04	4.22E-04	2.10E-04	2.07E-04	4.17E-04
1006	490186.72, 3861235.12	0.00533	0.00526	8.35E-04	8.59E-04	7.87E-04	8.06E-04	7.60E-04	2.21E-04	2.18E-04	4.39E-04	2.16E-04	2.13E-04	4.29E-04	2.13E-04	2.10E-04	4.23E-04
1007	490236.72, 3861235.12	0.00541	0.00534	8.47E-04	8.72E-04	7.98E-04	8.18E-04	7.71E-04	2.24E-04	2.22E-04	4.46E-04	2.19E-04	2.16E-04	4.35E-04	2.16E-04	2.13E-04	4.29E-04
1008	490386.72, 3861235.12	0.00567	0.00559	8.88E-04	9.12E-04	8.37E-04	8.57E-04	8.08E-04	2.35E-04	2.32E-04	4.67E-04	2.30E-04	2.26E-04	4.56E-04	2.26E-04	2.23E-04	4.50E-04
1009	490436.72, 3861235.12	0.00577	0.00568	9.04E-04	9.27E-04	8.52E-04	8.72E-04	8.23E-04	2.39E-04	2.36E-04	4.75E-04	2.34E-04	2.30E-04	4.64E-04	2.30E-04	2.27E-04	4.57E-04
1010	490486.72, 3861235.12	0.00587	0.00577	9.20E-04	9.42E-04	8.66E-04	8.87E-04	8.37E-04	2.44E-04	2.39E-04	4.83E-04	2.38E-04	2.34E-04	4.71E-04	2.34E-04	2.30E-04	4.65E-04
1011	490536.72, 3861235.12	0.00598	0.00588	9.37E-04	9.60E-04	8.83E-04	9.04E-04	8.53E-04	2.48E-04	2.44E-04	4.92E-04	2.42E-04	2.38E-04	4.80E-04	2.39E-04	2.35E-04	4.74E-04
1012	490586.72, 3861235.12	0.00609	0.00598	9.54E-04	9.76E-04	8.99E-04	9.21E-04	8.68E-04	2.53E-04	2.48E-04	5.01E-04	2.47E-04	2.42E-04	4.89E-04	2.43E-04	2.39E-04	4.82E-04
1013	490636.72, 3861235.12	0.00619	0.00608	9.70E-04	9.92E-04	9.14E-04	9.36E-04	8.83E-04	2.57E-04	2.52E-04	5.09E-04	2.51E-04	2.46E-04	4.97E-04	2.47E-04	2.43E-04	4.90E-04
1014	490686.72, 3861235.12	0.00631	0.00619	9.88E-04	1.01E-03	9.31E-04	9.54E-04	9.00E-04	2.62E-04	2.57E-04	5.19E-04	2.55E-04	2.51E-04	5.06E-04	2.52E-04	2.47E-04	4.99E-04
1015	490736.72, 3861235.12	0.00643	0.00631	1.01E-03	1.03E-03	9.49E-04	9.72E-04	9.17E-04	2.67E-04	2.62E-04	5.29E-04	2.60E-04	2.55E-04	5.16E-04	2.57E-04	2.52E-04	5.09E-04
1016	490786.72, 3861235.12	0.00656	0.00644	1.03E-03	1.05E-03	9.68E-04	9.92E-04	9.35E-04	2.72E-04	2.67E-04	5.39E-04	2.66E-04	2.61E-04	5.26E-04	2.62E-04	2.57E-04	5.19E-04
1017	490836.72, 3861235.12	0.0067	0.00657	1.05E-03	1.07E-03	9.89E-04	1.01E-03	9.55E-04	2.78E-04	2.73E-04	5.51E-04	2.71E-04	2.66E-04	5.37E-04	2.68E-04	2.62E-04	5.30E-04
1018	490086.72, 3861285.12	0.00504	0.00498	7.90E-04	8.13E-04	7.44E-04	7.62E-04	7.19E-04	2.09E-04	2.07E-04	4.16E-04	2.04E-04	2.02E-04	4.06E-04	2.01E-04	1.99E-04	4.00E-04
1019	490136.72, 3861285.12	0.00511	0.00506	8.00E-04	8.26E-04	7.54E-04	7.72E-04	7.29E-04	2.12E-04	2.10E-04	4.22E-04	2.07E-04	2.05E-04	4.12E-04	2.04E-04	2.02E-04	4.06E-04
1020	490186.72, 3861285.12	0.00518	0.00512	8.11E-04	8.36E-04	7.65E-04	7.83E-04	7.39E-04	2.15E-04	2.12E-04	4.27E-04	2.10E-04	2.07E-04	4.17E-04	2.07E-04	2.05E-04	4.11E-04
1021	490236.72, 3861285.12	0.00526	0.0052	8.24E-04	8.49E-04	7.76E-04	7.95E-04	7.50E-04	2.18E-04	2.16E-04	4.34E-04	2.13E-04	2.11E-04	4.23E-04	2.10E-04	2.08E-04	4.18E-04
1022	490386.72, 3861285.12	0.00551	0.00543	8.63E-04	8.86E-04	8.13E-04	8.33E-04	7.86E-04	2.29E-04	2.25E-04	4.54E-04	2.23E-04	2.20E-04	4.43E-04	2.20E-04	2.17E-04	4.37E-04
1023	490436.72, 3861285.12	0.0056	0.00552	8.77E-04	9.01E-04	8.26E-04	8.47E-04	7.98E-04	2.32E-04	2.29E-04	4.61E-04	2.27E-04	2.23E-04	4.50E-04	2.24E-04	2.21E-04	4.44E-04
1024	490486.72, 3861285.12	0.00569	0.00561	8.91E-04	9.16E-04	8.40E-04	8.60E-04	8.11E-04	2.36E-04	2.33E-04	4.69E-04	2.30E-04	2.27E-04	4.57E-04	2.27E-04	2.24E-04	4.51E-04
1025	490536.72, 3861285.12	0.00579	0.0057	9.07E-04	9.30E-04	8.55E-04	8.75E-04	8.26E-04	2.40E-04	2.36E-04	4.77E-04	2.34E-04	2.31E-04	4.65E-04	2.31E-04	2.28E-04	4.59E-04
1026	490586.72, 3861285.12	0.0059	0.0058	9.24E-04	9.47E-04	8.71E-04	8.92E-04	8.41E-04	2.45E-04	2.41E-04	4.85E-04	2.39E-04	2.35E-04	4.74E-04	2.36E-04	2.32E-04	4.67E-04
1027	490636.72, 3861285.12	0.006	0.00589	9.40E-04	9.61E-04	8.86E-04	9.07E-04	8.56E-04	2.49E-04	2.44E-04	4.93E-04	2.43E-04	2.38E-04	4.81E-04	2.40E-04	2.35E-04	4.75E-04
1028	490686.72, 3861285.12	0.0061	0.006	9.56E-04	9.79E-04	9.00E-04	9.22E-04	8.70E-04	2.53E-04	2.49E-04	5.02E-04	2.47E-04	2.43E-04	4.90E-04	2.44E-04	2.40E-04	4.83E-04
1029	490736.72, 3861285.12	0.00623	0.00611	9.76E-04	9.97E-04	9.19E-04	9.42E-04	8.88E-04	2.58E-04	2.53E-04	5.12E-04	2.52E-04	2.47E-04	5.00E-04	2.49E-04	2.44E-04	4.93E-04
1030	490786.72, 3861285.12	0.00634	0.00622	9.93E-04	1.02E-03	9.36E-04	9.58E-04	9.04E-04	2.63E-04	2.58E-04	5.21E-04	2.57E-04	2.52E-04	5.08E-04	2.53E-04	2.48E-04	5.02E-04
1031	490836.72, 3861285.12	0.00646	0.00634	1.01E-03	1.03E-03	9.53E-04	9.77E-04	9.21E-04	2.68E-04	2.63E-04	5.31E-04	2.62E-04	2.57E-04	5.18E-04	2.58E-04	2.53E-04	5.11E-04
1032	490061.24, 3859716.13	0.05459	0.05411	8.55E-03	8.83E-03	8.06E-03	8.25E-03	7.78E-03	2.26E-03	2.24E-03	4.51E-03	2.21E-03	2.19E-03	4.40E-03	2.18E-03	2.16E-03	4.34E-03
1033	490111.24, 3859716.13	0.06616	0.06573	1.04E-02	1.07E-02	9.76E-03	1.00E-02	9.43E-03	2.74E-03	2.73E-03	5.47E-03	2.68E-03	2.66E-03	5.34E-03	2.64E-03	2.63E-03	5.27E-03
1034	490161.24, 3859716.13	0.08288	0.08237	1.30E-02	1.34E-02	1.22E-02	1.25E-02	1.18E-02	3.44E-03	3.42E-03	6.86E-03	3.36E-03	3.33E-03	6.69E-03	3.31E-03	3.29E-03	6.60E-03
1035	490211.24, 3859716.13	0.10824	0.10741	1.70E-02	1.75E-02	1.60E-02	1.64E-02	1.54E-02	4.49E-03	4.46E-03	8.95E-03	4.38E-03	4.35E-03	8.73E-03	4.32E-03	4.29E-03	8.61E-03
1036	490061.24, 3859766.13	0.03841	0.03789	6.02E-03	6.18E-03	5.67E-03	5.81E-03	5.48E-03	1.59E-03	1.57E-03	3.17E-03	1.56E-03	1.53E-03	3.09E-03	1.53E-03	1.51E-03	3.05E-03
1037	490111.24, 3859766.13	0.04378	0.04326	6.86E-03	7.06E-03	6.46E-03	6.62E-03	6.24E-03	1.82E-03	1.79E-03	3.61E-03	1.77E-03	1.75E-03	3.52E-03	1.75E-03	1.73E-03	3.48E-03
1038	490161.24, 3859766.13	0.05065	0.0501	7.93E-03	8.18E-03	7.48E-03	7.66E-03	7.22E-03	2.10E-03	2.08E-03	4.18E-03	2.05E-03	2.03E-03	4.08E-03	2.02E-03	2.00E-03	4.02E-03
1039	490211.24, 3859766.13	0.06003	0.05938	9.40E-03	9.69E-03	8.86E-03	9.07E-03	8.56E-03	2.49E-03	2.46E-03	4.95E-03	2.43E-03	2.40E-03	4.83E-03	2.40E-03	2.37E-03	4.77E-03
1040	490061.24, 3859816.13	0.02969	0.0292	4.65E-03	4.77E-03	4.38E-03	4.49E-03	4.23E-03	1.23E-03	1.21E-03	2.44E-03	1.20E-03	1.18E-03	2.38E-03	1.19E-03	1.17E-03	2.35E-03

1041	490111.24, 3859816.13	0.03272	0.03221	5.13E-03	5.26E-03	4.83E-03	4.95E-03	4.67E-03	1.36E-03	1.34E-03	2.69E-03	1.32E-03	1.30E-03	2.63E-03	1.31E-03	1.29E-03	2.59E-03
1042	490161.24, 3859816.13	0.03643	0.03589	5.71E-03	5.86E-03	5.38E-03	5.51E-03	5.19E-03	1.51E-03	1.49E-03	3.00E-03	1.47E-03	1.45E-03	2.93E-03	1.46E-03	1.43E-03	2.89E-03
1043	490211.24, 3859816.13	0.041	0.04043	6.42E-03	6.60E-03	6.05E-03	6.20E-03	5.85E-03	1.70E-03	1.68E-03	3.38E-03	1.66E-03	1.64E-03	3.30E-03	1.64E-03	1.62E-03	3.25E-03
1044	490061.24, 3859866.13	0.0243	0.02385	3.81E-03	3.89E-03	3.59E-03	3.67E-03	3.46E-03	1.01E-03	9.89E-04	2.00E-03	9.84E-04	9.66E-04	1.95E-03	9.71E-04	9.53E-04	1.92E-03
1045	490111.24, 3859866.13	0.02626	0.0258	4.11E-03	4.21E-03	3.88E-03	3.97E-03	3.74E-03	1.09E-03	1.07E-03	2.16E-03	1.06E-03	1.04E-03	2.11E-03	1.05E-03	1.03E-03	2.08E-03
1046	490161.24, 3859866.13	0.02857	0.02808	4.48E-03	4.58E-03	4.22E-03	4.32E-03	4.07E-03	1.19E-03	1.16E-03	2.35E-03	1.16E-03	1.14E-03	2.29E-03	1.14E-03	1.12E-03	2.26E-03
1047	490211.24, 3859866.13	0.03129	0.03077	4.90E-03	5.02E-03	4.62E-03	4.73E-03	4.46E-03	1.30E-03	1.28E-03	2.57E-03	1.27E-03	1.25E-03	2.51E-03	1.25E-03	1.23E-03	2.48E-03
1048	490061.24, 3859916.13	0.02064	0.02024	3.23E-03	3.30E-03	3.05E-03	3.12E-03	2.94E-03	8.56E-04	8.40E-04	1.70E-03	8.36E-04	8.19E-04	1.66E-03	8.25E-04	8.09E-04	1.63E-03
1049	490111.24, 3859916.13	0.02203	0.02161	3.45E-03	3.53E-03	3.25E-03	3.33E-03	3.14E-03	9.14E-04	8.97E-04	1.81E-03	8.92E-04	8.75E-04	1.77E-03	8.80E-04	8.63E-04	1.74E-03
1050	490161.24, 3859916.13	0.02359	0.02316	3.70E-03	3.78E-03	3.48E-03	3.57E-03	3.36E-03	9.79E-04	9.61E-04	1.94E-03	9.55E-04	9.38E-04	1.89E-03	9.42E-04	9.25E-04	1.87E-03
1051	490211.24, 3859916.13	0.02536	0.0249	3.97E-03	4.06E-03	3.74E-03	3.83E-03	3.62E-03	1.05E-03	1.03E-03	2.09E-03	1.03E-03	1.01E-03	2.03E-03	1.01E-03	9.95E-04	2.01E-03
1052	490229.25, 3859815.26	0.04326	0.04266	6.78E-03	6.96E-03	6.38E-03	6.54E-03	6.17E-03	1.79E-03	1.77E-03	3.56E-03	1.75E-03	1.73E-03	3.48E-03	1.73E-03	1.70E-03	3.43E-03
1053	490279.25, 3859815.26	0.04976	0.04905	7.79E-03	8.01E-03	7.34E-03	7.52E-03	7.10E-03	2.06E-03	2.03E-03	4.10E-03	2.01E-03	1.99E-03	4.00E-03	1.99E-03	1.96E-03	3.95E-03
1054	490329.25, 3859815.26	0.05839	0.0575	9.15E-03	9.39E-03	8.62E-03	8.83E-03	8.33E-03	2.42E-03	2.39E-03	4.81E-03	2.36E-03	2.33E-03	4.69E-03	2.33E-03	2.30E-03	4.63E-03
1055	490379.25, 3859815.26	0.07101	0.06972	1.11E-02	1.14E-02	1.05E-02	1.07E-02	1.01E-02	2.95E-03	2.89E-03	5.84E-03	2.87E-03	2.82E-03	5.70E-03	2.84E-03	2.79E-03	5.62E-03
1056	490429.25, 3859815.26	0.09054	0.08843	1.42E-02	1.44E-02	1.34E-02	1.37E-02	1.29E-02	3.76E-03	3.67E-03	7.43E-03	3.67E-03	3.58E-03	7.25E-03	3.62E-03	3.53E-03	7.15E-03
1057	490229.25, 3859865.26	0.03254	0.032	5.10E-03	5.22E-03	4.80E-03	4.92E-03	4.64E-03	1.35E-03	1.33E-03	2.68E-03	1.32E-03	1.30E-03	2.61E-03	1.30E-03	1.28E-03	2.58E-03
1058	490279.25, 3859865.26	0.03604	0.03545	5.65E-03	5.79E-03	5.32E-03	5.45E-03	5.14E-03	1.50E-03	1.47E-03	2.97E-03	1.46E-03	1.44E-03	2.89E-03	1.44E-03	1.42E-03	2.86E-03
1059	490329.25, 3859865.26	0.04038	0.03972	6.33E-03	6.48E-03	5.96E-03	6.10E-03	5.76E-03	1.68E-03	1.65E-03	3.32E-03	1.63E-03	1.61E-03	3.24E-03	1.61E-03	1.59E-03	3.20E-03
1060	490379.25, 3859865.26	0.04603	0.04523	7.21E-03	7.38E-03	6.79E-03	6.96E-03	6.56E-03	1.91E-03	1.88E-03	3.79E-03	1.86E-03	1.83E-03	3.69E-03	1.84E-03	1.81E-03	3.65E-03
1061	490429.25, 3859865.26	0.05355	0.05253	8.39E-03	8.57E-03	7.90E-03	8.09E-03	7.64E-03	2.22E-03	2.18E-03	4.40E-03	2.17E-03	2.13E-03	4.29E-03	2.14E-03	2.10E-03	4.24E-03
1062	490229.25, 3859915.26	0.02617	0.02569	4.10E-03	4.19E-03	3.86E-03	3.96E-03	3.73E-03	1.09E-03	1.07E-03	2.15E-03	1.06E-03	1.04E-03	2.10E-03	1.05E-03	1.03E-03	2.07E-03
1063	490279.25, 3859915.26	0.02832	0.02781	4.44E-03	4.54E-03	4.18E-03	4.28E-03	4.04E-03	1.17E-03	1.15E-03	2.33E-03	1.15E-03	1.13E-03	2.27E-03	1.13E-03	1.11E-03	2.24E-03
1064	490329.25, 3859915.26	0.03092	0.03036	4.84E-03	4.96E-03	4.56E-03	4.67E-03	4.41E-03	1.28E-03	1.26E-03	2.54E-03	1.25E-03	1.23E-03	2.48E-03	1.24E-03	1.21E-03	2.45E-03
1065	490379.25, 3859915.26	0.03407	0.03345	5.34E-03	5.46E-03	5.03E-03	5.15E-03	4.86E-03	1.41E-03	1.39E-03	2.80E-03	1.38E-03	1.35E-03	2.73E-03	1.36E-03	1.34E-03	2.70E-03
1066	490429.25, 3859915.26	0.03792	0.03722	5.94E-03	6.08E-03	5.60E-03	5.73E-03	5.41E-03	1.57E-03	1.54E-03	3.12E-03	1.54E-03	1.51E-03	3.04E-03	1.51E-03	1.49E-03	3.00E-03
1067	490451.43, 3859872.59	0.05411	0.05304	8.48E-03	8.66E-03	7.99E-03	8.18E-03	7.72E-03	2.24E-03	2.20E-03	4.45E-03	2.19E-03	2.15E-03	4.34E-03	2.16E-03	2.12E-03	4.28E-03
1068	490501.43, 3859872.59	0.06503	0.06349	1.02E-02	1.04E-02	9.60E-03	9.83E-03	9.27E-03	2.70E-03	2.63E-03	5.33E-03	2.63E-03	2.57E-03	5.20E-03	2.60E-03	2.54E-03	5.13E-03
1069	490551.43, 3859872.59	0.08196	0.07949	1.28E-02	1.30E-02	1.21E-02	1.24E-02	1.17E-02	3.40E-03	3.30E-03	6.70E-03	3.32E-03	3.22E-03	6.54E-03	3.27E-03	3.18E-03	6.45E-03
1070	490601.43, 3859872.59	0.1089	0.1045	1.71E-02	1.71E-02	1.61E-02	1.65E-02	1.55E-02	4.52E-03	4.34E-03	8.85E-03	4.41E-03	4.23E-03	8.64E-03	4.35E-03	4.17E-03	8.52E-03
1071	490451.43, 3859922.59	0.03824	0.03751	5.99E-03	6.12E-03	5.64E-03	5.78E-03	5.45E-03	1.59E-03	1.56E-03	3.14E-03	1.55E-03	1.52E-03	3.07E-03	1.53E-03	1.50E-03	3.03E-03
1072	490501.43, 3859922.59	0.04331	0.04243	6.78E-03	6.93E-03	6.39E-03	6.55E-03	6.18E-03	1.80E-03	1.76E-03	3.56E-03	1.75E-03	1.72E-03	3.47E-03	1.73E-03	1.69E-03	3.43E-03
1073	490551.43, 3859922.59	0.05027	0.04913	7.87E-03	8.02E-03	7.42E-03	7.60E-03	7.17E-03	2.09E-03	2.04E-03	4.12E-03	2.04E-03	1.99E-03	4.02E-03	2.01E-03	1.96E-03	3.97E-03
1074	490601.43, 3859922.59	0.05999	0.05837	9.40E-03	9.53E-03	8.85E-03	9.07E-03	8.55E-03	2.49E-03	2.42E-03	4.91E-03	2.43E-03	2.36E-03	4.79E-03	2.40E-03	2.33E-03	4.73E-03
1075	482129.67, 3852241.07	0.07141	0.07183	1.12E-02	1.17E-02	1.05E-02	1.08E-02	1.02E-02	2.96E-03	2.98E-03	5.94E-03	2.89E-03	2.91E-03	5.80E-03	2.85E-03	2.87E-03	5.72E-03
1076	482029.67, 3852291.07	0.13328	0.1337	2.09E-02	2.18E-02	1.97E-02	2.01E-02	1.90E-02	5.53E-03	5.55E-03	1.11E-02	5.40E-03	5.41E-03	1.08E-02	5.32E-03	5.34E-03	1.07E-02
1077	482079.67, 3852291.07	0.10337	0.10381	1.62E-02	1.69E-02	1.53E-02	1.56E-02	1.47E-02	4.29E-03	4.31E-03	8.60E-03	4.18E-03	4.20E-03	8.39E-03	4.13E-03	4.15E-03	8.28E-03
1078	482129.67, 3852291.07	0.08402	0.08446	1.32E-02	1.38E-02	1.24E-02	1.27E-02	1.20E-02	3.49E-03	3.50E-03	6.99E-03	3.40E-03	3.42E-03	6.82E-03	3.36E-03	3.37E-03	6.73E-03
1079	482179.67, 3852291.07	0.0699	0.07028	1.09E-02	1.15E-02	1.03E-02	1.06E-02	9.97E-03	2.90E-03	2.92E-03	5.82E-03	2.83E-03	2.85E-03	5.68E-03	2.79E-03	2.81E-03	5.60E-03
1080	482229.67, 3852291.07	0.05916	0.05958	9.27E-03	9.73E-03	8.73E-03	8.94E-03	8.44E-03	2.45E-03	2.47E-03	4.93E-03	2.40E-03	2.41E-03	4.81E-03	2.36E-03	2.38E-03	4.74E-03
1081	482029.67, 3852341.07	0.18384	0.18406	2.88E-02	3.00E-02	2.71E-02	2.78E-02	2.62E-02	7.63E-03	7.64E-03	1.53E-02	7.44E-03	7.45E-03	1.49E-02	7.34E-03	7.35E-03	1.47E-02
1082	482079.67, 3852341.07	0.13212	0.13253	2.07E-02	2.16E-02	1.95E-02	2.00E-02	1.88E-02	5.48E-03	5.50E-03	1.10E-02	5.35E-03	5.37E-03	1.07E-02	5.28E-03	5.29E-03	1.06E-02
1083	482129.67, 3852341.07	0.10255	0.103	1.61E-02	1.68E-02	1.51E-02	1.55E-02	1.46E-02	4.25E-03	4.27E-03	8.53E-03	4.15E-03	4.17E-03	8.32E-03	4.10E-03	4.11E-03	8.21E-03
1084	482179.67, 3852341.07	0.08304	0.08348	1.30E-02	1.36E-02	1.23E-02	1.26E-02	1.18E-02	3.45E-03	3.46E-03	6.91E-03	3.36E-03	3.38E-03	6.74E-03	3.32E-03	3.33E-03	6.65E-03
1085	482259.06, 3852400.14	0.07835	0.07876	1.23E-02	1.29E-02	1.16E-02	1.18E-02	1.12E-02	3.25E-03	3.27E-03	6.52E-03	3.17E-03	3.19E-03	6.36E-03	3.13E-03	3.15E-03	6.28E-03
1086	482309.06, 3852400.14	0.06474	0.0651	1.01E-02	1.06E-02	9.55E-03	9.79E-03	9.23E-03	2.69E-03	2.70E-03	5.39E-03	2.62E-03	2.64E-03	5.26E-03	2.59E-03	2.60E-03	5.19E-03
1087	482209.06, 3852450.14	0.11735	0.11781	1.84E-02	1.92E-02	1.73E-02	1.77E-02	1.67E-02	4.87E-03	4.89E-03	9.76E-03	4.75E-03	4.77E-03	9.52E-03	4.69E-03	4.71E-03	9.39E-03
1088	482259.06, 3852450.14	0.09356	0.09399	1.47E-02	1.53E-02	1.38E-02	1.41E-02	1.33E-02	3.88E-03	3.90E-03	7.78E-03	3.79E-03	3.81E-03	7.59E-03	3.74E-03	3.75E-03	7.49E-03
1089	482309.06, 3852450.14	0.0764	0.0768	1.20E-02	1.25E-02	1.13E-02	1.15E-02	1.09E-02	3.17E-03	3.19E-03	6.36E-03	3.09E-03	3.11E-03	6.20E-03	3.05E-03	3.07E-03	6.12E-03
1090	482209.06, 3852500.14	0.15459	0.15502	2.42E-02	2.53E-02	2.28E-02	2.34E-02	2.20E-02	6.41E-03	6.43E-03	1.28E-02	6.26E-03	6.28E-03	1.25E-02	6.18E-03	6.19E-03	1.24E-02
1091	482259.06, 3852500.14	0.11626	0.11669	1.82E-02	1.90E-02	1.72E-02	1.76E-02	1.66E-02	4.82E-03	4.84E-03	9.66E-03	4.71E-03	4.72E-03	9.43E-03	4.64E-03	4.66E-03	9.31E-03
1092	482309.06, 3852500.14	0.09202	0.09244	1.44E-02	1.51E-02	1.36E-02	1.39E-02	1.31E-02	3.82E-03	3.84E-03	7.65E-03	3.73E-03	3.74E-03	7.47E-03	3.68E-03	3.69E-03	7.37E-03
1093	482283.91, 3852513.62	0.10957	0.11	1.72E-02	1.80E-02	1.62E-02	1.66E-02	1.56E-02	4.55E-03	4.56E-03	9.11E-03	4.44E-03	4.45E-03	8.89E-03	4.38E-03	4.39E-03	8.77E-03
1094	482333.91, 3852513.62	0.08792	0.08832	1.38E-02	1.44E-02	1.30E-02	1.33E-02	1.25E-02	3.65E-03	3.66E-03	7.31E-03	3.56E-03	3.58E-03	7.13E-03	3.51E-03	3.53E-03	7.04E-03
1095	482283.91, 3852563.62	0.14206	0.14252	2.23E-02	2.33E-02	2.10E-02	2.15E-02	2.03E-02	5.89E-03	5.91E-03	1.18E-02	5.75E-03	5.77E-03	1.15E-02	5.67E-03	5.69E-03	1.14E-02
1096	482333.91, 3852563.62	0.10901	0.10943	1.71E-02	1.79E-02	1.61E-02	1.65E-02	1.55E-02	4.52E-03	4.54E-03	9.06E-03	4.41E-03	4.43E-03	8.84E-03	4.35E-03	4.37E-03	8.73E-03
1097	482383.91, 3852563.62	0.08805	0.08842	1.38E-02	1.44E-02	1.30E-02	1.33E-02	1.26E-02	3.65E-03	3.67E-03	7.32E-03	3.56E-03	3.58E-03	7.14E-03	3.52E-03	3.53E-03	7.05E-03
1098	482283.91, 3852613.62	0.19722	0.19753	3.09E-02	3.22E-02	2.91E-02	2.98E-02	2.81E-02	8.18E-03	8.20E-03	1.64E-02	7.98E-03	8.00E-03	1.60E-02	7.88E-03	7.89E-03	1.58E-02
1099	482333.91, 3852613.62	0.14064	0.14104	2.20E-02	2.30E-02	2.08E-02	2.13E-02	2.01E-02	5.83E-03	5.85E-03	1.17E-02	5.69E-03	5.71E-03	1.14E-02	5.62E-03	5.63E-03	1.13E-02
1100	482383.91, 3852613.62	0.10838	0.10876	1.70E-02	1.78E-02	1.60E-02	1.64E-02	1.55E-02	4.50E-03	4.51E-03	9.01E-03	4.39E-03	4.40E-03	8.79E-03	4.33E-03	4.34E-03	8.67E-03
1101	482602.38, 3852600.87	0.04918	0.0495	7.70E-03	8.08E-03	7.26E-03	7.43E-03	7.01E-03	2.04E-03	2.05E-03	4.09E-03	1.99E-03	2.00E-03	3.99E-03	1.96E-03	1.98E-03	3.94E-03
1102	482652.38, 3852600.87	0.04389	0.04433	6.88E-03	7.24E-03	6.48E-03	6.63E-03	6.26E-03	1.82E-03	1.84E-03	3.66E-03	1.78E-03	1.79E-03	3.57E-03	1.75E-03	1.77E-03	3.52E-03
1103	482702.38, 3852600.87	0.03835	0.03889	6.01E-03	6.35E-03	5.66E-03	5.80E-03	5.47E-03	1.59E-03	1.61E-03	3.20E-03	1.55E-03	1.57E-03	3.13E-03	1.53E-03	1.55E-03	3.09E-03
1104	482552.38, 3852650.87	0.06479	0.06503	1.01E-02	1.06E-02	9.56E-03	9.79E-03	9.24E-03	2.69E-03	2.70E-03	5.39E-03	2.62E-03	2.63E-03	5.26E-03	2.59E-03	2.60E-03	5.19E-03
1105	482602.38, 3852650.87	0.05585	0.05618	8.75E-03	9.17E-03	8.24E-03	8.44E-03	7.96E-03	2.32E-03	2.33E-03	4.65E-03	2.26E-03	2.27E-03	4.54E-03	2.23E-03	2.24E-03	4.48E-03
1106	482652.38, 3852650.87	0.04935	0.04978	7.73E-03	8.13E-03	7.28E-03	7.46E-03	7.04E-03	2.05E-03	2.07E-03	4.11E-03	2.00E-03	2.02E-03	4.01E-03	1.97E-03	1.99E-03	3.96E-03
1107	482702.38, 3852650.87	0.04415	0.04467	6.92E-03	7.29E-03	6.52E-03	6.67E-03	6.30E-03	1.83E-03	1.85E-03	3.68E-03	1.79E-03	1.81E-03	3.60E-03	1.76E-03	1.78E-03	3.55E-03
1108	482552.38, 3852700.87	0.07621	0.07649	1.19E-02	1.25E-02	1.12E-02	1.15E-02	1.09E-02	3.16E-03	3.17E-03	6.34E-03	3.09E-03	3.10E-03	6.18E-03	3.04E-03	3.06E-03	6.10E-03
1109	482602.38, 3852700.87	0.06517	0.06549	1.02E-02	1.07E-02	9.62E-03	9.85E-03	9.29E-03	2.70E-03	2.72E-03	5.42E-03	2.64E-03	2.65E-03	5.29E-03	2.60E-03	2.62E-03	5.22E-03
1110	482652.38, 3852700.87	0.05759	0.05802	9.02E-03	9.47E-03	8.50E-03	8.71E-03	8.21E-03	2.39E-03	2.41E-03	4.80E-03	2.33E-03	2.35E-03	4.68E-03	2.30E-03	2.32E-03	4.62E-03
1111	482702.38, 3852700.87	0.05019	0.05072	7.86E-03	8.28E-03	7.41E-03	7.59E-03	7.16E-03	2.08E-03	2.10E-03	4.19E-03	2.03E-03	2.05E-03	4.09E-03	2.00E-03	2.03E-03	4.03E-03
1112	482452.38, 3852750.87	0.15323	0.15349	2.40E-02	2.51E-02	2.26E-02	2.32E-02	2.18E-02	6.36E-03	6.37E-03	1.27E-02	6.20E-03	6.21E-03	1.24E-02	6.12E-03	6.13E-03	1.23E-02
1113	482521.29, 3852749.74	0.10437	0.10464	1.63E-02	1.71E-02	1.54E-02	1.58E-02	1.49E-02	4.33E-03	4.34E-03	8.67E-03	4.23E-03	4.24E-03	8.46E-03	4.17E-03	4.18E-03	8.35E-03
1114	482571.29, 3852749.74	0.08485	0.08513	1.33E-02	1.39E-02	1.25E-02	1.28E-02	1.21E-02	3.52E-03	3.53E-03	7.05E-03	3.44E-03	3.45E-03	6.88E-03	3.39E-03	3.40E-03	6.79E-03
1115	482521.29, 3852799.74	0.13429	0.13453	2.10E-02	2.20E-02	1.98E-02	2.03E-02	1.91E-02	5.57E-03	5.58E-03	1.12E-02	5.44E-03	5.45E-03	1.09E-02	5.36E-03	5.37E-03	1.07E-02
1116	482571.29, 3852799.74	0.10395	0.10423	1.63E-02	1.70E-02	1.53E-02	1.57E-02	1.48E-02	4.31E-03	4.32E-03	8.64E-03	4.21E-03	4.22E-03	8.43E-03	4.15E-03	4.16E-03	8.32E-03
1117	482621.29, 3852799.74	0.08434	0.0847	1.32E-02	1.38E-02	1.24E-02	1.27E-02	1.20E-02	3.50E-03	3.51E-03	7.01E-03	3.41E-03	3.43E-03	6.84E-03	3.37E-03	3.38E-03	6.75E-03
1118	482571.29, 3852849.74	0.13264	0.13288	2.08E-02	2.17E-02	1.96E-02	2.01E-02	1.89E-02	5.50E-03	5.51E-03	1.10E-02	5.37E-03	5.38E-03	1.07E-02	5.30E-03	5.31E-03	1.06E-02
1119	482621.29, 3852849.74	0.10214	0.10249	1.60E-02	1.67E-02	1.51E-02	1.54E-02	1.46E-02	4.24E-03	4.25E-03	8.49E-03	4.14E-03	4.15E-03	8.28E-03	4.08E-03	4.09E-03	8.17E-03
1120	482577.42, 3852901.55	0.17504	0.17519	2.74E-02	2.86E-02	2.58E-02	2.65E-02	2.50E-02	7.26E-03	7.27E-03	1.45E-02	7.09E-03	7.09E-03	1.42E-02	6.99E-03	7.00E-03	1.40E-02
1121	482627.42, 3852901.55	0.12589	0.12624	1.97E-02	2.06E-02	1.86E-02	1.90E-02	1.79E-02	5.22E-03	5.24E-03	1.05E-02	5.10E-03	5.11E-03	1.02E-02	5.03E-03	5.04E-03	1.01E-02
1122	482629.96, 3852955.85	0.17123	0.17172	2.68E-02	2.80E-02	2.53E-02	2.59E-02	2.44E-02	7.10E-03	7.12E-03	1.42E-02	6.93E-03	6.95E-03	1.39E-02	6.84E-03	6.86E-03	1.37E-02
1123	482679.96, 3852955.85	0.12238	0.12327	1.92E-02	2.01E-02	1.81E-02	1.85E-02	1.74E-02	5.08E-03	5.11E-03	1.02E-02	4.95E-03	4.99E-03	9.94E-03	4.89E-03	4.92E-03	9.81E-03
1124	482781.63, 3853034.48	0.09022	0.09208	1.41E-02	1.50E-02	1.33E-02	1.36E-02	1.29E-02	3.74E-03	3.82E-03	7.56E-03	3.65E-03	3.73E-03	7.38E-03	3.60E-03	3.68E-03	7.28E-03
1125	482831.63, 3853034.48	0.07262	0.0742	1.14E-02	1.21E-02	1.07E-02	1.10E-02	1.04E-02	3.01E-03	3.08E-03	6.09E-03	2.94E-03	3.00E-03	5.94E-03	2.90E-03	2.96E-03	5.87E-03
1126	482881.63, 3853034.48	0.06025	0.06165	9.44E-03	1.01E-02	8.89E-03	9.11E-03	8.59E-03	2.50E-03	2.56E-03	5.06E-03	2.44E-03	2.50E-03	4.94E-03	2.41E-03	2.46E-03	4.87E-03
1127	482781.63, 3853084.48	0.10204	0.10403	1.60E-02	1.70E-02	1.51E-02	1.54E-02	1.45E-02	4.23E-03	4.32E-03	8.55E-03	4.13E-03	4.21E-03	8.34E-03	4.08E-03	4.16E-03	8.23E-03
1128	482831.63, 3853084.48	0.08005	0.08173	1.25E-02	1.33E-02	1.18E-02	1.21E-02	1.14E-02	3.32E-03	3.39E-03	6.71E-03	3.24E-03	3.31E-03	6.55E-03	3.20E-03	3.26E-03	6.46E-03
1129	482881.63, 3853084.48	0.06595	0.06743	1.03E-02	1.10E-02	9.73E-03	9.97E-03	9.40E-03	2.74E-03	2.80E-03	5.53E-03	2.67E-03	2.73E-03	5.40E-03	2.63E-03	2.69E-03	5.33E-03
1130	482781.63, 3853134.48	0.11897	0.12102	1.86E-02	1.98E-02	1.76E-02	1.80E-02	1.70E-02	4.94E-03	5.02E-03	9.96E-03	4.82E-03	4.90E-03	9.72E-03	4.75E-03	4.83E-03	9.59E-03
1131	482831.63, 3853134.48	0.08999	0.09175	1.41E-02	1.50E-02	1.33E-02	1.36E-02	1.28E-02	3.73E-03	3.81E-03	7.54E-03	3.64E-03	3.71E-03	7.36E-03	3.59E-03	3.67E-03	7.26E-03
1132	482881.63, 3853134.48	0.0727	0.07423	1.14E-02	1.21E-02	1.07E-02	1.10E-02	1.04E-02	3.02E-03	3.08E-03	6.10E-03	2.94E-03	3.01E-03	5.95E-03	2.90E-03	2.97E-03	5.87E-03
1133	482831.63, 3853184.48	0.10328	0.10521	1.62E-02	1.72E-02	1.52E-02	1.56E-02	1.47E-02	4.28E-03	4.36E-03	8.65E-03	4.18E-03	4.26E-03	8.44E-03	4.13E-03	4.20E-03	8.33E-03
1134	482881.63, 3853184.48	0.08081	0.08251	1.27E-02	1.35E-02	1.19E-02	1.22E-02	1.15E-02	3.35E-03	3.42E-03	6.78E-03	3.27E-03	3.34E-03	6.61E-03	3.23E-03	3.30E-03	6.52E-03
1135	484154.84, 3854250.98	0.01251	0.03338	1.96E-03	5.45E-03	1.85E-03	1.89E-03	1.78E-03	5.19E-04	1.38E-03	1.90E-03	5.06E-04	1.35E-03	1.86E-03	5.00E-04	1.33E-03	1.83E-03
1136	484204.84, 3854250.98	0.01212	0.03156	1.90E-03	5.15E-03	1.79E-03	1.83E-03	1.73E-03	5.03E-04	1.31E-03	1.81E-03	4.91E-04	1.28E-03	1.77E-03	4.84E-04	1.26E-03	1.74E-03
1137	484154.84, 3854300.98	0.01239	0.03659	1.94E-03	5.97E-03	1.83E-03	1.87E-03	1.77E-03	5.14E-04	1.52E-03	2.03E-03	5.02E-04	1.48E-03	1.98E-03	4.95E-04	1.46E-03	1.96E-03
1138	484204.84, 3854300.98	0.01208	0.03468	1.89E-03	5.66E-03	1.78E-03	1.83E-03	1.72E-03	5.01E-04	1.44E-03	1.94E-03	4.89E-04	1.40E-03	1.89E-03	4.83E-04	1.39E-03	1.87E-03
1139	484074.19, 3854519.8	0.01368	0.09365	2.14E-03	1.53E-02	2.02E-03	2.07E-03	1.95E-03	5.68E-04	3.89E-03	4.45E-03	5.54E-04	3.79E-03	4.35E-03	5.46E-04	3.74E-03	4.29E-03
1140	484124.19, 3854519.8	0.01314	0.07897	2.06E-03	1.29E-02	1.94E-03	1.99E-03	1.87E-03	5.45E-04	3.28E-03	3.82E-03	5.32E-04	3.20E-03	3.73E-03	5.25E-04	3.15E-03	3.68E-03
1141	484074.19, 3854569.8	0.01402	0.13036	2.20E-03	2.13E-02	2.07E-03	2.12E-03	2.00E-03	5.82E-04	5.41E-03	5.99E-03	5.68E-04	5.28E-03	5.85E-03	5.60E-04	5.21E-03	5.77E-03
1142	484124.19, 3854569.8	0.01338	0.10328	2.10E-03	1.69E-02	1.97E-03	2.02E-03	1.91E-03	5.55E-04	4.28E-03	4.84E-03	5.42E-04	4.18E-03	4.72E-03	5.34E-04	4.13E-03	4.66E-03
1143	485205.11, 3855188.89	0.0126	0.07467	1.97E-03	1.22E-02	1.86E-03	1.90E-03	1.80E-03	5.23E-04	3.10E-03	3.62E-03	5.10E-04	3.02E-03	3.53E-03	5.03E-04	2.98E-03	3.49E-03
1144	485255.11, 3855188.89	0.01216	0.06395	1.90E-03	1.04E-02	1.79E-03	1.84E-03	1.73E-03	5.04E-04	2.65E-03	3.16E-03	4.92E-04	2.59E-03	3.08E-03	4.86E-04	2.55E-03	3.04E-03
1145	485205.11, 3855238.89	0.01288	0.08647	2.02E-03	1.41E-02	1.90E-03	1.95E-03	1.84E-03	5.34E-04	3.59E-03	4.12E-03	5.21E-04	3.50E-03	4.02E-03	5.15E-04	3.45E-03	3.97E-03
1146	485255.11, 3855238.89	0.01257	0.07332	1.97E-03	1.20E-02	1.86E-03	1.90E-03	1.79E-03	5.22E-04	3.04E-03	3.56E-03	5.09E-04	2.97E-03	3.48E-03	5.02E-04	2.93E-03	3.43E-03
1147	485205.11, 3855288.89	0.01363	0.11253	2.14E-03	1.84E-02	2.01E-03	2.06E-03	1.94E-03	5.65E-04	4.67E-03	5.23E-03	5.52E-04	4.56E-03	5.11E-03	5.44E-04	4.50E-03	5.04E-03
1148	485255.11, 3855288.89	0.01322	0.09004	2.07E-03	1.47E-02	1.95E-03	2.00E-03	1.88E-03	5.48E-04	3.74E-03	4.28E-03	5.35E-04	3.65E-03	4.18E-03	5.28E-04	3.60E-03	4.12E-03
1149	485255.11, 3855338.89	0.01394	0.11524	2.18E-03	1.88E-02	2.06E-03	2.11E-03	1.99E-03	5.78E-04	4.78E-03	5.36E-03	5.64E-04	4.67E-03	5.23E-03	5.57E-04	4.60E-03	5.16E-03
1150	485305.11, 3855338.89	0.01347	0.09209	2.11E-03	1.50E-02	1.99E-03	2.04E-03	1.92E-03	5.59E-04	3.82E-03	4.38E-03	5.45E-04	3.73E-03	4.27E-03	5.38E-04	3.68E-03	4.22E-03
1151	485852.5, 3855635.28	0.01283	0.04837	2.01E-03	7.90E-03	1.89E-03	1.94E-03	1.83E-03	5.32E-04	2.01E-03	2.54E-03	5.19E-04	1.96E-03	2.48E-03	5.13E-04	1.93E-03	2.44E-03
1152	485902.5, 3855635.28	0.01243	0.04363	1.95E-03	7.12E-03	1.83E-03	1.88E-03	1.77E-03	5.16E-04	1.81E-03	2.33E-03	5.03E-04	1.77E-03	2.27E-03	4.97E-04	1.74E-03	2.24E-03
1153	485852.5, 3855685.28	0.01327	0.05388	2.08E-03	8.79E-03	1.96E-03	2.01E-03	1.89E-03	5.51E-04	2.24E-03	2.79E-03	5.37E-04	2.18E-03	2.72E-03	5.30E-04	2.15E-03	2.68E-03
1154	485902.5, 3855685.28	0.01283	0.04802	2.01E-03	7.84E-03	1.89E-03	1.94E-03	1.83E-03	5.32E-04	1.99E-03	2.52E-03	5.19E-04	1.94E-03	2.46E-03	5.13E-04	1.92E-03	2.43E-03
1155	485852.5, 3855735.28	0.01373	0.06084	2.15E-03	9.93E-03	2.03E-03	2.08E-03	1.96E-03	5.70E-04	2.52E-03	3.09E-03	5.56E-04	2.46E-03	3.02E-03	5.48E-04	2.43E-03	2.98E-03
1156	485902.5, 3855735.28	0.01333	0.05377	2.09E-03	8.78E-03	1.97E-03	2.01E-03	1.90E-03	5.53E-04	2.23E-03	2.78E-03	5.40E-04	2.18E-03	2.72E-03	5.32E-04	2.15E-03	2.68E-03

1157	485852.5, 3855785.28	0.0143	0.07047	2.24E-03	1.15E-02	2.11E-03	2.16E-03	2.04E-03	5.93E-04	2.92E-03	3.52E-03	5.79E-04	2.85E-03	3.43E-03	5.71E-04	2.82E-03	3.39E-03
1158	485902.5, 3855785.28	0.01376	0.06057	2.16E-03	9.89E-03	2.03E-03	2.08E-03	1.96E-03	5.71E-04	2.51E-03	3.08E-03	5.57E-04	2.45E-03	3.01E-03	5.50E-04	2.42E-03	2.97E-03
1159	486809.46, 3856465.28	0.01363	0.04348	2.14E-03	7.10E-03	2.01E-03	2.06E-03	1.94E-03	5.65E-04	1.80E-03	2.37E-03	5.52E-04	1.76E-03	2.31E-03	5.44E-04	1.74E-03	2.28E-03
1160	486859.46, 3856465.28	0.01341	0.04016	2.10E-03	6.56E-03	1.98E-03	2.03E-03	1.91E-03	5.56E-04	1.67E-03	2.22E-03	5.43E-04	1.63E-03	2.17E-03	5.36E-04	1.60E-03	2.14E-03
1161	486909.46, 3856465.28	0.01318	0.03733	2.06E-03	6.09E-03	1.95E-03	1.99E-03	1.88E-03	5.47E-04	1.55E-03	2.10E-03	5.34E-04	1.51E-03	2.04E-03	5.27E-04	1.49E-03	2.02E-03
1162	486809.46, 3856515.28	0.01407	0.04778	2.20E-03	7.80E-03	2.08E-03	2.13E-03	2.01E-03	5.84E-04	1.98E-03	2.57E-03	5.70E-04	1.93E-03	2.50E-03	5.62E-04	1.91E-03	2.47E-03
1163	486859.46, 3856515.28	0.01387	0.04375	2.17E-03	7.14E-03	2.05E-03	2.10E-03	1.98E-03	5.75E-04	1.82E-03	2.39E-03	5.62E-04	1.77E-03	2.33E-03	5.54E-04	1.75E-03	2.30E-03
1164	486909.46, 3856515.28	0.01364	0.04038	2.14E-03	6.59E-03	2.01E-03	2.06E-03	1.94E-03	5.66E-04	1.68E-03	2.24E-03	5.52E-04	1.63E-03	2.19E-03	5.45E-04	1.61E-03	2.16E-03
1165	486980.94, 3856357.95	0.01211	0.02965	1.90E-03	4.84E-03	1.79E-03	1.83E-03	1.73E-03	5.02E-04	1.23E-03	1.73E-03	4.90E-04	1.20E-03	1.69E-03	4.84E-04	1.18E-03	1.67E-03
1166	487030.94, 3856357.95	0.01194	0.02818	1.87E-03	4.60E-03	1.76E-03	1.80E-03	1.70E-03	4.95E-04	1.17E-03	1.66E-03	4.83E-04	1.14E-03	1.62E-03	4.77E-04	1.13E-03	1.60E-03
1167	486980.94, 3856407.95	0.01248	0.03155	1.96E-03	5.15E-03	1.84E-03	1.89E-03	1.78E-03	5.18E-04	1.31E-03	1.83E-03	5.05E-04	1.28E-03	1.78E-03	4.99E-04	1.26E-03	1.76E-03
1168	487030.94, 3856407.95	0.01229	0.02985	1.93E-03	4.87E-03	1.81E-03	1.86E-03	1.75E-03	5.10E-04	1.24E-03	1.75E-03	4.98E-04	1.21E-03	1.71E-03	4.91E-04	1.19E-03	1.68E-03
1169	487447.18, 3856437.45	0.01125	0.02138	1.76E-03	3.49E-03	1.66E-03	1.70E-03	1.60E-03	4.67E-04	8.87E-04	1.35E-03	4.55E-04	8.66E-04	1.32E-03	4.49E-04	8.54E-04	1.30E-03
1170	487497.18, 3856437.45	0.01113	0.02065	1.74E-03	3.37E-03	1.64E-03	1.68E-03	1.59E-03	4.62E-04	8.57E-04	1.32E-03	4.51E-04	8.36E-04	1.29E-03	4.45E-04	8.25E-04	1.27E-03
1171	487547.18, 3856437.45	0.01103	0.01998	1.73E-03	3.26E-03	1.63E-03	1.67E-03	1.57E-03	4.58E-04	8.29E-04	1.29E-03	4.47E-04	8.09E-04	1.26E-03	4.41E-04	7.98E-04	1.24E-03
1172	487447.18, 3856487.45	0.01154	0.02221	1.81E-03	3.63E-03	1.70E-03	1.74E-03	1.65E-03	4.79E-04	9.21E-04	1.40E-03	4.67E-04	8.99E-04	1.37E-03	4.61E-04	8.87E-04	1.35E-03
1173	487497.18, 3856487.45	0.01141	0.02141	1.79E-03	3.49E-03	1.68E-03	1.72E-03	1.63E-03	4.73E-04	8.88E-04	1.36E-03	4.62E-04	8.67E-04	1.33E-03	4.56E-04	8.55E-04	1.31E-03
1174	487547.18, 3856487.45	0.0113	0.02068	1.77E-03	3.38E-03	1.67E-03	1.71E-03	1.61E-03	4.69E-04	8.58E-04	1.33E-03	4.57E-04	8.37E-04	1.29E-03	4.51E-04	8.26E-04	1.28E-03
1175	487447.18, 3856537.45	0.01185	0.02312	1.86E-03	3.77E-03	1.75E-03	1.79E-03	1.69E-03	4.92E-04	9.59E-04	1.45E-03	4.80E-04	9.36E-04	1.42E-03	4.73E-04	9.24E-04	1.40E-03
1176	487497.18, 3856537.45	0.0117	0.02224	1.83E-03	3.63E-03	1.73E-03	1.77E-03	1.67E-03	4.85E-04	9.23E-04	1.41E-03	4.74E-04	9.00E-04	1.37E-03	4.67E-04	8.88E-04	1.36E-03
1177	487547.18, 3856537.45	0.01159	0.02145	1.82E-03	3.50E-03	1.71E-03	1.75E-03	1.65E-03	4.81E-04	8.90E-04	1.37E-03	4.69E-04	8.68E-04	1.34E-03	4.63E-04	8.57E-04	1.32E-03
1178	489285.89, 3858826.54	0.05323	0.05522	8.34E-03	9.01E-03	7.86E-03	8.05E-03	7.59E-03	2.21E-03	2.29E-03	4.50E-03	2.15E-03	2.24E-03	4.39E-03	2.13E-03	2.21E-03	4.33E-03
1179	489335.89, 3858826.54	0.04959	0.05063	7.77E-03	8.26E-03	7.32E-03	7.50E-03	7.07E-03	2.06E-03	2.10E-03	4.16E-03	2.01E-03	2.05E-03	4.06E-03	1.98E-03	2.02E-03	4.00E-03
1180	489385.89, 3858826.54	0.04639	0.04671	7.27E-03	7.62E-03	6.85E-03	7.01E-03	6.61E-03	1.92E-03	1.94E-03	3.86E-03	1.88E-03	1.89E-03	3.77E-03	1.85E-03	1.87E-03	3.72E-03
1181	489435.89, 3858826.54	0.04362	0.04343	6.83E-03	7.09E-03	6.44E-03	6.59E-03	6.22E-03	1.81E-03	1.80E-03	3.61E-03	1.77E-03	1.76E-03	3.52E-03	1.74E-03	1.73E-03	3.48E-03
1182	489485.89, 3858826.54	0.0412	0.04064	6.45E-03	6.63E-03	6.08E-03	6.23E-03	5.87E-03	1.71E-03	1.69E-03	3.40E-03	1.67E-03	1.65E-03	3.31E-03	1.65E-03	1.62E-03	3.27E-03
1183	489535.89, 3858826.54	0.03905	0.03822	6.12E-03	6.24E-03	5.76E-03	5.90E-03	5.57E-03	1.62E-03	1.59E-03	3.21E-03	1.58E-03	1.55E-03	3.13E-03	1.56E-03	1.53E-03	3.09E-03
1184	489585.89, 3858826.54	0.03713	0.03613	5.82E-03	5.90E-03	5.48E-03	5.61E-03	5.29E-03	1.54E-03	1.50E-03	3.04E-03	1.50E-03	1.46E-03	2.97E-03	1.48E-03	1.44E-03	2.93E-03
1185	489635.89, 3858826.54	0.03541	0.03426	5.55E-03	5.59E-03	5.23E-03	5.35E-03	5.05E-03	1.47E-03	1.42E-03	2.89E-03	1.43E-03	1.39E-03	2.82E-03	1.41E-03	1.37E-03	2.78E-03
1186	489685.89, 3858826.54	0.03384	0.03262	5.30E-03	5.32E-03	4.99E-03	5.12E-03	4.83E-03	1.40E-03	1.35E-03	2.76E-03	1.37E-03	1.32E-03	2.69E-03	1.35E-03	1.30E-03	2.65E-03
1187	489735.89, 3858826.54	0.0324	0.03112	5.08E-03	5.08E-03	4.78E-03	4.90E-03	4.62E-03	1.34E-03	1.29E-03	2.64E-03	1.31E-03	1.26E-03	2.57E-03	1.29E-03	1.24E-03	2.54E-03
1188	489785.89, 3858826.54	0.03112	0.0298	4.87E-03	4.86E-03	4.59E-03	4.70E-03	4.44E-03	1.29E-03	1.24E-03	2.53E-03	1.26E-03	1.21E-03	2.47E-03	1.24E-03	1.19E-03	2.43E-03
1189	489835.89, 3858826.54	0.0299	0.02855	4.68E-03	4.66E-03	4.41E-03	4.52E-03	4.26E-03	1.24E-03	1.18E-03	2.42E-03	1.21E-03	1.16E-03	2.37E-03	1.19E-03	1.14E-03	2.33E-03
1190	489885.89, 3858826.54	0.0288	0.02746	4.51E-03	4.48E-03	4.25E-03	4.35E-03	4.11E-03	1.19E-03	1.14E-03	2.33E-03	1.17E-03	1.11E-03	2.28E-03	1.15E-03	1.10E-03	2.25E-03
1191	489935.89, 3858826.54	0.02777	0.02643	4.35E-03	4.31E-03	4.10E-03	4.20E-03	3.96E-03	1.15E-03	1.10E-03	2.25E-03	1.12E-03	1.07E-03	2.19E-03	1.11E-03	1.06E-03	2.17E-03
1192	489985.89, 3858826.54	0.0268	0.02547	4.20E-03	4.16E-03	3.96E-03	4.05E-03	3.82E-03	1.11E-03	1.06E-03	2.17E-03	1.08E-03	1.03E-03	2.12E-03	1.07E-03	1.02E-03	2.09E-03
1193	490035.89, 3858826.54	0.02583	0.0245	4.05E-03	4.00E-03	3.81E-03	3.90E-03	3.68E-03	1.07E-03	1.02E-03	2.09E-03	1.05E-03	9.92E-04	2.04E-03	1.03E-03	9.79E-04	2.01E-03
1194	489285.89, 3858876.54	0.06158	0.06421	9.65E-03	1.05E-02	9.09E-03	9.31E-03	8.78E-03	2.55E-03	2.66E-03	5.22E-03	2.49E-03	2.60E-03	5.09E-03	2.46E-03	2.56E-03	5.02E-03
1195	489335.89, 3858876.54	0.05669	0.05804	8.88E-03	9.47E-03	8.37E-03	8.57E-03	8.08E-03	2.35E-03	2.41E-03	4.76E-03	2.30E-03	2.35E-03	4.64E-03	2.26E-03	2.32E-03	4.58E-03
1196	489385.89, 3858876.54	0.05256	0.05302	8.23E-03	8.65E-03	7.76E-03	7.95E-03	7.49E-03	2.18E-03	2.20E-03	4.38E-03	2.13E-03	2.15E-03	4.27E-03	2.10E-03	2.12E-03	4.22E-03
1197	489435.89, 3858876.54	0.049	0.04884	7.68E-03	7.97E-03	7.23E-03	7.41E-03	6.99E-03	2.03E-03	2.03E-03	4.06E-03	1.98E-03	1.98E-03	3.96E-03	1.96E-03	1.95E-03	3.91E-03
1198	489485.89, 3858876.54	0.04591	0.04531	7.19E-03	7.40E-03	6.78E-03	6.94E-03	6.55E-03	1.90E-03	1.88E-03	3.78E-03	1.86E-03	1.83E-03	3.69E-03	1.83E-03	1.81E-03	3.64E-03
1199	489535.89, 3858876.54	0.04321	0.0423	6.77E-03	6.90E-03	6.38E-03	6.53E-03	6.16E-03	1.79E-03	1.75E-03	3.55E-03	1.75E-03	1.71E-03	3.46E-03	1.73E-03	1.69E-03	3.42E-03
1200	489585.89, 3858876.54	0.04079	0.03967	6.39E-03	6.48E-03	6.02E-03	6.17E-03	5.82E-03	1.69E-03	1.65E-03	3.34E-03	1.65E-03	1.61E-03	3.26E-03	1.63E-03	1.58E-03	3.21E-03
1201	489635.89, 3858876.54	0.0387	0.03745	6.06E-03	6.11E-03	5.71E-03	5.85E-03	5.52E-03	1.61E-03	1.55E-03	3.16E-03	1.57E-03	1.52E-03	3.08E-03	1.55E-03	1.50E-03	3.04E-03
1202	489685.89, 3858876.54	0.03682	0.03547	5.77E-03	5.79E-03	5.43E-03	5.57E-03	5.25E-03	1.53E-03	1.47E-03	3.00E-03	1.49E-03	1.44E-03	2.93E-03	1.47E-03	1.42E-03	2.89E-03
1203	489735.89, 3858876.54	0.0351	0.03369	5.50E-03	5.50E-03	5.18E-03	5.31E-03	5.00E-03	1.46E-03	1.40E-03	2.85E-03	1.42E-03	1.36E-03	2.78E-03	1.40E-03	1.35E-03	2.75E-03
1204	489785.89, 3858876.54	0.03358	0.03215	5.26E-03	5.25E-03	4.96E-03	5.08E-03	4.79E-03	1.39E-03	1.33E-03	2.73E-03	1.36E-03	1.30E-03	2.66E-03	1.34E-03	1.28E-03	2.63E-03
1205	489835.89, 3858876.54	0.03218	0.03074	5.04E-03	5.02E-03	4.75E-03	4.86E-03	4.59E-03	1.34E-03	1.28E-03	2.61E-03	1.30E-03	1.24E-03	2.55E-03	1.29E-03	1.23E-03	2.51E-03
1206	489885.89, 3858876.54	0.03093	0.0295	4.85E-03	4.82E-03	4.56E-03	4.68E-03	4.41E-03	1.28E-03	1.22E-03	2.51E-03	1.25E-03	1.19E-03	2.45E-03	1.24E-03	1.18E-03	2.41E-03
1207	489935.89, 3858876.54	0.02973	0.0283	4.66E-03	4.62E-03	4.39E-03	4.49E-03	4.24E-03	1.23E-03	1.17E-03	2.41E-03	1.20E-03	1.15E-03	2.35E-03	1.19E-03	1.13E-03	2.32E-03
1208	489985.89, 3858876.54	0.02855	0.02715	4.47E-03	4.43E-03	4.21E-03	4.32E-03	4.07E-03	1.18E-03	1.13E-03	2.31E-03	1.16E-03	1.10E-03	2.25E-03	1.14E-03	1.08E-03	2.23E-03
1209	490035.89, 3858876.54	0.02747	0.02608	4.30E-03	4.26E-03	4.05E-03	4.15E-03	3.92E-03	1.14E-03	1.08E-03	2.22E-03	1.11E-03	1.06E-03	2.17E-03	1.10E-03	1.04E-03	2.14E-03
1210	489285.89, 3858926.54	0.07325	0.07675	1.15E-02	1.25E-02	1.08E-02	1.11E-02	1.04E-02	3.04E-03	3.18E-03	6.22E-03	2.97E-03	3.11E-03	6.07E-03	2.93E-03	3.07E-03	5.99E-03
1211	489335.89, 3858926.54	0.06638	0.06812	1.04E-02	1.11E-02	9.80E-03	1.00E-02	9.46E-03	2.75E-03	2.83E-03	5.58E-03	2.69E-03	2.76E-03	5.45E-03	2.65E-03	2.72E-03	5.37E-03
1212	489385.89, 3858926.54	0.06067	0.06127	9.50E-03	1.00E-02	8.95E-03	9.17E-03	8.65E-03	2.52E-03	2.54E-03	5.06E-03	2.46E-03	2.48E-03	4.94E-03	2.42E-03	2.45E-03	4.87E-03
1213	489435.89, 3858926.54	0.05594	0.05579	8.76E-03	9.11E-03	8.26E-03	8.46E-03	7.98E-03	2.32E-03	2.31E-03	4.64E-03	2.26E-03	2.26E-03	4.52E-03	2.23E-03	2.23E-03	4.46E-03
1214	489485.89, 3858926.54	0.05191	0.05125	8.13E-03	8.37E-03	7.66E-03	7.85E-03	7.40E-03	2.15E-03	2.13E-03	4.28E-03	2.10E-03	2.07E-03	4.18E-03	2.07E-03	2.05E-03	4.12E-03
1215	489535.89, 3858926.54	0.04843	0.04745	7.59E-03	7.75E-03	7.15E-03	7.32E-03	6.91E-03	2.01E-03	1.97E-03	3.98E-03	1.96E-03	1.92E-03	3.88E-03	1.93E-03	1.90E-03	3.83E-03
1216	489585.89, 3858926.54	0.0454	0.04419	7.11E-03	7.21E-03	6.70E-03	6.86E-03	6.47E-03	1.88E-03	1.83E-03	3.72E-03	1.84E-03	1.79E-03	3.63E-03	1.81E-03	1.77E-03	3.58E-03
1217	489635.89, 3858926.54	0.04276	0.0414	6.70E-03	6.76E-03	6.31E-03	6.46E-03	6.10E-03	1.77E-03	1.72E-03	3.49E-03	1.73E-03	1.68E-03	3.41E-03	1.71E-03	1.65E-03	3.36E-03
1218	489685.89, 3858926.54	0.0404	0.03896	6.33E-03	6.36E-03	5.96E-03	6.11E-03	5.76E-03	1.68E-03	1.62E-03	3.29E-03	1.64E-03	1.58E-03	3.21E-03	1.61E-03	1.56E-03	3.17E-03
1219	489735.89, 3858926.54	0.03836	0.03688	6.01E-03	6.02E-03	5.66E-03	5.80E-03	5.47E-03	1.59E-03	1.53E-03	3.12E-03	1.55E-03	1.49E-03	3.05E-03	1.53E-03	1.47E-03	3.01E-03
1220	489785.89, 3858926.54	0.03654	0.03504	5.72E-03	5.72E-03	5.39E-03	5.52E-03	5.21E-03	1.52E-03	1.45E-03	2.97E-03	1.48E-03	1.42E-03	2.90E-03	1.46E-03	1.40E-03	2.86E-03
1221	489835.89, 3858926.54	0.03486	0.03334	5.46E-03	5.44E-03	5.14E-03	5.27E-03	4.97E-03	1.45E-03	1.38E-03	2.83E-03	1.41E-03	1.35E-03	2.76E-03	1.39E-03	1.33E-03	2.72E-03
1222	489885.89, 3858926.54	0.03336	0.03186	5.23E-03	5.20E-03	4.92E-03	5.04E-03	4.76E-03	1.38E-03	1.32E-03	2.71E-03	1.35E-03	1.29E-03	2.64E-03	1.33E-03	1.27E-03	2.61E-03
1223	489935.89, 3858926.54	0.03197	0.03049	5.01E-03	4.98E-03	4.72E-03	4.83E-03	4.56E-03	1.33E-03	1.26E-03	2.59E-03	1.29E-03	1.23E-03	2.53E-03	1.28E-03	1.22E-03	2.50E-03
1224	489985.89, 3858926.54	0.03065	0.02919	4.80E-03	4.76E-03	4.52E-03	4.63E-03	4.37E-03	1.27E-03	1.21E-03	2.48E-03	1.24E-03	1.18E-03	2.42E-03	1.22E-03	1.17E-03	2.39E-03
1225	490035.89, 3858926.54	0.02926	0.02784	4.58E-03	4.54E-03	4.32E-03	4.42E-03	4.17E-03	1.21E-03	1.16E-03	2.37E-03	1.18E-03	1.13E-03	2.31E-03	1.17E-03	1.11E-03	2.28E-03
1226	489335.89, 3858976.54	0.08015	0.08241	1.26E-02	1.35E-02	1.18E-02	1.21E-02	1.14E-02	3.33E-03	3.42E-03	6.74E-03	3.24E-03	3.34E-03	6.58E-03	3.20E-03	3.29E-03	6.49E-03
1227	489385.89, 3858976.54	0.0719	0.07271	1.13E-02	1.19E-02	1.06E-02	1.09E-02	1.03E-02	2.98E-03	3.02E-03	6.00E-03	2.91E-03	2.94E-03	5.85E-03	2.87E-03	2.90E-03	5.78E-03
1228	489435.89, 3858976.54	0.06536	0.06528	1.02E-02	1.07E-02	9.65E-03	9.88E-03	9.32E-03	2.71E-03	2.71E-03	5.42E-03	2.65E-03	2.64E-03	5.29E-03	2.61E-03	2.61E-03	5.22E-03
1229	489485.89, 3858976.54	0.05983	0.0592	9.37E-03	9.66E-03	8.83E-03	9.04E-03	8.53E-03	2.48E-03	2.46E-03	4.94E-03	2.42E-03	2.40E-03	4.82E-03	2.39E-03	2.36E-03	4.75E-03
1230	489535.89, 3858976.54	0.05516	0.05417	8.64E-03	8.84E-03	8.14E-03	8.34E-03	7.86E-03	2.29E-03	2.25E-03	4.54E-03	2.23E-03	2.19E-03	4.43E-03	2.20E-03	2.16E-03	4.37E-03
1231	489585.89, 3858976.54	0.05127	0.05005	8.03E-03	8.17E-03	7.57E-03	7.75E-03	7.31E-03	2.13E-03	2.08E-03	4.20E-03	2.08E-03	2.03E-03	4.10E-03	2.05E-03	2.00E-03	4.05E-03
1232	489635.89, 3858976.54	0.04787	0.0465	7.50E-03	7.59E-03	7.07E-03	7.24E-03	6.83E-03	1.99E-03	1.93E-03	3.92E-03	1.94E-03	1.88E-03	3.82E-03	1.91E-03	1.86E-03	3.77E-03
1233	489685.89, 3858976.54	0.04489	0.04342	7.03E-03	7.09E-03	6.63E-03	6.79E-03	6.40E-03	1.86E-03	1.80E-03	3.66E-03	1.82E-03	1.76E-03	3.58E-03	1.79E-03	1.73E-03	3.53E-03
1234	489735.89, 3858976.54	0.04233	0.04081	6.63E-03	6.66E-03	6.25E-03	6.40E-03	6.04E-03	1.76E-03	1.69E-03	3.45E-03	1.71E-03	1.65E-03	3.37E-03	1.69E-03	1.63E-03	3.32E-03
1235	489785.89, 3858976.54	0.04011	0.03857	6.28E-03	6.30E-03	5.92E-03	6.06E-03	5.72E-03	1.66E-03	1.60E-03	3.26E-03	1.62E-03	1.56E-03	3.19E-03	1.60E-03	1.54E-03	3.14E-03
1236	489835.89, 3858976.54	0.03811	0.03656	5.97E-03	5.97E-03	5.62E-03	5.76E-03	5.43E-03	1.58E-03	1.52E-03	3.10E-03	1.54E-03	1.48E-03	3.02E-03	1.52E-03	1.46E-03	2.98E-03
1237	489885.89, 3858976.54	0.03623	0.0347	5.68E-03	5.66E-03	5.35E-03	5.48E-03	5.17E-03	1.50E-03	1.44E-03	2.94E-03	1.47E-03	1.40E-03	2.87E-03	1.45E-03	1.39E-03	2.83E-03
1238	489935.89, 3858976.54	0.03456	0.03305	5.41E-03	5.39E-03	5.10E-03	5.22E-03	4.93E-03	1.43E-03	1.37E-03	2.80E-03	1.40E-03	1.34E-03	2.74E-03	1.38E-03	1.32E-03	2.70E-03
1239	489985.89, 3858976.54	0.03304	0.03155	5.18E-03	5.15E-03	4.88E-03	4.99E-03	4.71E-03	1.37E-03	1.31E-03	2.68E-03	1.34E-03	1.28E-03	2.61E-03	1.32E-03	1.26E-03	2.58E-03
1240	490035.89, 3858976.54	0.03114	0.02971	4.88E-03	4.85E-03	4.60E-03	4.71E-03	4.44E-03	1.29E-03	1.23E-03	2.52E-03	1.26E-03	1.20E-03	2.46E-03	1.24E-03	1.19E-03	2.43E-03
1241	489385.89, 3859026.54	0.08841	0.08987	1.38E-02	1.47E-02	1.30E-02	1.34E-02	1.26E-02	3.67E-03	3.73E-03	7.40E-03	3.58E-03	3.64E-03	7.22E-03	3.53E-03	3.59E-03	7.12E-03
1242	489435.89, 3859026.54	0.07852	0.07885	1.23E-02	1.29E-02	1.16E-02	1.19E-02	1.12E-02	3.26E-03	3.27E-03	6.53E-03	3.18E-03	3.19E-03	6.37E-03	3.14E-03	3.15E-03	6.29E-03
1243	489485.89, 3859026.54	0.07062	0.07025	1.11E-02	1.15E-02	1.04E-02	1.07E-02	1.01E-02	2.93E-03	2.91E-03	5.84E-03	2.86E-03	2.84E-03	5.70E-03	2.82E-03	2.81E-03	5.63E-03
1244	489535.89, 3859026.54	0.06423	0.06342	1.01E-02	1.04E-02	9.48E-03	9.71E-03	9.16E-03	2.66E-03	2.63E-03	5.30E-03	2.60E-03	2.57E-03	5.17E-03	2.57E-03	2.53E-03	5.10E-03
1245	489585.89, 3859026.54	0.05887	0.05777	9.22E-03	9.43E-03	8.69E-03	8.90E-03	8.39E-03	2.44E-03	2.40E-03	4.84E-03	2.38E-03	2.34E-03	4.72E-03	2.35E-03	2.31E-03	4.66E-03
1246	489635.89, 3859026.54	0.05442	0.05313	8.52E-03	8.67E-03	8.03E-03	8.23E-03	7.76E-03	2.26E-03	2.20E-03	4.46E-03	2.20E-03	2.15E-03	4.35E-03	2.17E-03	2.12E-03	4.30E-03
1247	489685.89, 3859026.54	0.05061	0.0492	7.93E-03	8.03E-03	7.47E-03	7.65E-03	7.22E-03	2.10E-03	2.04E-03	4.14E-03	2.05E-03	1.99E-03	4.04E-03	2.02E-03	1.97E-03	3.99E-03
1248	489735.89, 3859026.54	0.04736	0.04589	7.42E-03	7.49E-03	6.99E-03	7.16E-03	6.75E-03	1.96E-03	1.90E-03	3.87E-03	1.92E-03	1.86E-03	3.78E-03	1.89E-03	1.83E-03	3.73E-03
1249	489785.89, 3859026.54	0.04453	0.04302	6.98E-03	7.02E-03	6.57E-03	6.73E-03	6.35E-03	1.85E-03	1.78E-03	3.63E-03	1.80E-03	1.74E-03	3.54E-03	1.78E-03	1.72E-03	3.50E-03
1250	489835.89, 3859026.54	0.04194	0.04041	6.57E-03	6.60E-03	6.19E-03	6.34E-03	5.98E-03	1.74E-03	1.68E-03	3.42E-03	1.70E-03	1.64E-03	3.33E-03	1.68E-03	1.61E-03	3.29E-03
1251	489885.89, 3859026.54	0.0397	0.03817	6.22E-03	6.23E-03	5.86E-03	6.00E-03	5.66E-03	1.65E-03	1.58E-03	3.23E-03	1.61E-03	1.55E-03	3.15E-03	1.59E-03	1.52E-03	3.11E-03
1252	489935.89, 3859026.54	0.03767	0.03616	5.90E-03	5.90E-03	5.56E-03	5.69E-03	5.37E-03	1.56E-03	1.50E-03	3.06E-03	1.53E-03	1.46E-03	2.99E-03	1.50E-03	1.44E-03	2.95E-03
1253	489985.89, 3859026.54	0.03583	0.03435	5.61E-03	5.61E-03	5.29E-03	5.42E-03	5.11E-03	1.49E-03	1.43E-03	2.91E-03	1.45E-03	1.39E-03	2.84E-03	1.43E-03	1.37E-03	2.80E-03
1254	490035.89, 3859026.54	0.03349	0.03207	5.25E-03	5.23E-03	4.94E-03	5.06E-03	4.78E-03	1.39E-03	1.33E-03	2.72E-03	1.36E-03	1.30E-03	2.65E-03	1.34E-03	1.28E-03	2.62E-03
1255	489485.89, 3859076.54	0.08635	0.0868	1.35E-02	1.42E-02	1.27E-02	1.31E-02	1.23E-02	3.58E-03	3.60E-03	7.18E-03	3.50E-03	3.51E-03	7.01E-03	3.45E-03	3.47E-03	6.92E-03
1256	489535.89, 3859076.54	0.07685	0.07657	1.20E-02	1.25E-02	1.13E-02	1.16E-02	1.10E-02	3.19E-03	3.18E-03	6.37E-03	3.11E-03	3.10E-03	6.21E-03	3.07E-03	3.06E-03	6.13E-03
1257	489585.89, 3859076.54	0.06926	0.06852	1.08E-02	1.12E-02	1.02E-02	1.05E-02	9.88E-03	2.87E-03	2.84E-03	5.72E-03	2.80E-03	2.77E-03	5.58E-03	2.77E-03	2.74E-03	5.50E-03
1258	489635.89, 3859076.54	0.06319	0.06215	9.90E-03	1.01E-02	9.33E-03	9.55E-03	9.01E-03	2.62E-03	2.58E-03	5.20E-03	2.56E-03	2.52E-03	5.07E-03	2.52E-03	2.48E-03	5.01E-03
1259	489685.89, 3859076.54	0.05811	0.05688	9.10E-03	9.28E-03	8.58E-03	8.78E-03	8.29E-03	2.41E-03	2.36E-03	4.77E-03	2.35E-03	2.30E-03	4.66E-03	2.32E-03	2.27E-03	4.59E-03
1260	489735.89, 3859076.54	0.0538	0.05246	8.43E-03	8.56E-03	7.94E-03	8.13E-03	7.67E-03	2.23E-03	2.18E-03	4.41E-03	2.18E-03	2.12E-03	4.30E-03	2.15E-03	2.10E-03	4.24E-03
1261	489785.89, 3859076.54	0.05011	0.04869	7.85E-03	7.95E-03	7.40E-03	7.57E-03	7.14E-03	2.08E-03	2.02E-03	4.10E-03	2.03E-03	1.97E-03	4.00E-03	2.00E-03	1.95E-03	3.95E-03
1262	489835.89, 3859076.54	0.04685	0.04539	7.34E-03	7.41E-03	6.91E-03	7.08E-03	6.68E-03	1.94E-03	1.88E-03	3.83E-03	1.90E-03	1.84E-03	3.73E-03	1.87E-03	1.81E-03	3.68E-03
1263	489885.89, 3859076.54	0.04398	0.04252	6.89E-03	6.94E-03	6.49E-03	6.65E-03	6.27E-03	1.82E-03	1.76E-03	3.59E-03	1.78E-03	1.72E-03	3.50E-03	1.76E-03	1.70E-03	3.46E-03
1264	489935.89, 3859076.54	0.04152	0.04005	6.50E-03	6.54E-03	6.13E-03	6.28E-03	5.92E-03	1.72E-03	1.66E-03	3.38E-03	1.68E-03	1.62E-03	3.30E-03	1.66E-03	1.60E-03	3.26E-03
1265	489985.89, 3859076.54	0.03924	0.0378	6.15E-03	6.17E-03	5.79E-03	5.93E-03	5.60E-03	1.63E-03	1.57E-03	3.20E-03	1.59E-03	1.53E-03	3.12E-03	1.57E-03	1.51E-03	3.08E-03
1266	490035.89, 3859076.54	0.0366	0.0352	5.73E-03	5.75E-03	5.40E-03	5.53E-03	5.22E-03	1.52E-03	1.46E-03	2.98E-03	1.48E-03	1.43E-03	2.91E-03	1.46E-03	1.41E-03	2.87E-03
1267	489585.89, 3859126.54	0.0844	0.08428	1.32E-02	1.38E-02	1.25E-02	1.28E-02	1.20E-02	3.50E-03	3.50E-03	7.00E-03	3.42E-03	3.41E-03	6.83E-03	3.37E-03	3.37E-03	6.74E-03
1268	489635.89, 3859126.54	0.07547	0.07483	1.18E-02	1.22E-02	1.11E-02	1.14E-02	1.08E-02	3.13E-03	3.10E-03	6.24E-03	3.06E-03	3.03E-03	6.08E-03	3.01E-03	2.99E-03	6.00E-03
1269	489685.89, 3859126.54	0.06824	0.06728	1.07E-02	1.10E-02	1.01E-02	1.03E-02	9.73E-03	2.83E-03	2.79E-03	5.62E-03	2.76E-03	2.72E-03	5.49E-03	2.73E-03	2.69E-03	5.41E-03
1270	489735.89, 3859126.54	0.0623	0.06116	9.76E-03	9.98E-03	9.19E-03	9.42E-03	8.88E-03	2.58E-03	2.54E-03	5.12E-03	2.52E-03	2.48E-03	5.00E-03	2.49E-03	2.44E-03	4.93E-03
1271	489785.89, 3859126.54	0.05735	0.05609	8.98E-03	9.16E-03	8.46E-03	8.67E-03	8.18E-03	2.38E-03	2.33E-03	4.71E-03	2.32E-03	2.27E-03	4.59E-03	2.29E-03	2.24E-03	4.53E-03
1272	489835.89, 3859126.54	0.05309	0.05176	8.32E-03	8.45E-03	7.84E-03	8.03E-03	7.57E-03	2.20E-03	2.15E-03	4.35E-03	2.15E-03	2.10E-03	4.24E-03	2.12E-03	2.07E-03	4.19E-03

1273	489885.89, 3859126.54	0.04937	0.048	7.73E-03	7.83E-03	7.29E-03	7.46E-03	7.04E-03	2.05E-03	1.99E-03	4.04E-03	2.00E-03	1.94E-03	3.94E-03	1.97E-03	1.92E-03	3.89E-03
1274	489935.89, 3859126.54	0.04624	0.04486	7.24E-03	7.32E-03	6.82E-03	6.99E-03	6.59E-03	1.92E-03	1.86E-03	3.78E-03	1.87E-03	1.82E-03	3.69E-03	1.85E-03	1.79E-03	3.64E-03
1275	489985.89, 3859126.54	0.04325	0.04188	6.78E-03	6.84E-03	6.38E-03	6.54E-03	6.17E-03	1.79E-03	1.74E-03	3.53E-03	1.75E-03	1.70E-03	3.45E-03	1.73E-03	1.67E-03	3.40E-03
1276	490035.89, 3859126.54	0.04043	0.03909	6.33E-03	6.38E-03	5.97E-03	6.11E-03	5.76E-03	1.68E-03	1.62E-03	3.30E-03	1.64E-03	1.58E-03	3.22E-03	1.62E-03	1.56E-03	3.18E-03
1277	489585.89, 3859176.54	0.10797	0.10884	1.69E-02	1.78E-02	1.59E-02	1.63E-02	1.54E-02	4.48E-03	4.52E-03	8.99E-03	4.37E-03	4.41E-03	8.78E-03	4.31E-03	4.35E-03	8.66E-03
1278	489635.89, 3859176.54	0.09367	0.09364	1.47E-02	1.53E-02	1.38E-02	1.42E-02	1.34E-02	3.89E-03	3.88E-03	7.77E-03	3.79E-03	3.79E-03	7.58E-03	3.74E-03	3.74E-03	7.48E-03
1279	489685.89, 3859176.54	0.08281	0.08227	1.30E-02	1.34E-02	1.22E-02	1.25E-02	1.18E-02	3.44E-03	3.41E-03	6.85E-03	3.35E-03	3.33E-03	6.68E-03	3.31E-03	3.29E-03	6.59E-03
1280	489735.89, 3859176.54	0.07423	0.07339	1.16E-02	1.20E-02	1.10E-02	1.12E-02	1.06E-02	3.08E-03	3.04E-03	6.12E-03	3.01E-03	2.97E-03	5.98E-03	2.97E-03	2.93E-03	5.90E-03
1281	489785.89, 3859176.54	0.06714	0.06613	1.05E-02	1.08E-02	9.91E-03	1.01E-02	9.57E-03	2.79E-03	2.74E-03	5.53E-03	2.72E-03	2.68E-03	5.40E-03	2.68E-03	2.64E-03	5.32E-03
1282	489835.89, 3859176.54	0.06135	0.06023	9.61E-03	9.83E-03	9.05E-03	9.27E-03	8.75E-03	2.55E-03	2.50E-03	5.04E-03	2.48E-03	2.44E-03	4.92E-03	2.45E-03	2.41E-03	4.86E-03
1283	489885.89, 3859176.54	0.05642	0.05524	8.84E-03	9.02E-03	8.33E-03	8.53E-03	8.04E-03	2.34E-03	2.29E-03	4.63E-03	2.28E-03	2.24E-03	4.52E-03	2.25E-03	2.21E-03	4.46E-03
1284	489935.89, 3859176.54	0.05232	0.0511	8.20E-03	8.34E-03	7.72E-03	7.91E-03	7.46E-03	2.17E-03	2.12E-03	4.29E-03	2.12E-03	2.07E-03	4.19E-03	2.09E-03	2.04E-03	4.13E-03
1285	489985.89, 3859176.54	0.04849	0.04724	7.60E-03	7.71E-03	7.16E-03	7.33E-03	6.91E-03	2.01E-03	1.96E-03	3.97E-03	1.96E-03	1.91E-03	3.88E-03	1.94E-03	1.89E-03	3.82E-03
1286	490035.89, 3859176.54	0.04547	0.04423	7.12E-03	7.22E-03	6.71E-03	6.87E-03	6.48E-03	1.89E-03	1.84E-03	3.72E-03	1.84E-03	1.79E-03	3.63E-03	1.82E-03	1.77E-03	3.58E-03
1287	489685.89, 3859226.54	0.10521	0.1054	1.65E-02	1.72E-02	1.55E-02	1.59E-02	1.50E-02	4.36E-03	4.37E-03	8.74E-03	4.26E-03	4.27E-03	8.53E-03	4.20E-03	4.21E-03	8.41E-03
1288	489735.89, 3859226.54	0.09174	0.09145	1.44E-02	1.49E-02	1.35E-02	1.39E-02	1.31E-02	3.81E-03	3.79E-03	7.60E-03	3.71E-03	3.70E-03	7.42E-03	3.66E-03	3.65E-03	7.32E-03
1289	489785.89, 3859226.54	0.08117	0.0806	1.27E-02	1.32E-02	1.20E-02	1.23E-02	1.16E-02	3.37E-03	3.34E-03	6.71E-03	3.29E-03	3.26E-03	6.55E-03	3.24E-03	3.22E-03	6.46E-03
1290	489835.89, 3859226.54	0.07267	0.07193	1.14E-02	1.17E-02	1.07E-02	1.10E-02	1.04E-02	3.01E-03	2.98E-03	6.00E-03	2.94E-03	2.91E-03	5.85E-03	2.90E-03	2.87E-03	5.78E-03
1291	489885.89, 3859226.54	0.06587	0.06501	1.03E-02	1.06E-02	9.72E-03	9.96E-03	9.39E-03	2.73E-03	2.70E-03	5.43E-03	2.67E-03	2.63E-03	5.30E-03	2.63E-03	2.60E-03	5.23E-03
1292	489935.89, 3859226.54	0.06021	0.05926	9.43E-03	9.67E-03	8.89E-03	9.10E-03	8.59E-03	2.50E-03	2.46E-03	4.96E-03	2.44E-03	2.40E-03	4.84E-03	2.41E-03	2.37E-03	4.77E-03
1293	489985.89, 3859226.54	0.05502	0.054	8.62E-03	8.81E-03	8.12E-03	8.32E-03	7.85E-03	2.28E-03	2.24E-03	4.52E-03	2.23E-03	2.19E-03	4.41E-03	2.20E-03	2.16E-03	4.36E-03
1294	490035.89, 3859226.54	0.05122	0.05017	8.02E-03	8.19E-03	7.56E-03	7.74E-03	7.30E-03	2.13E-03	2.08E-03	4.21E-03	2.07E-03	2.03E-03	4.10E-03	2.05E-03	2.00E-03	4.05E-03
1295	489735.89, 3859276.54	0.12015	0.12107	1.88E-02	1.98E-02	1.77E-02	1.82E-02	1.71E-02	4.98E-03	5.02E-03	1.00E-02	4.86E-03	4.90E-03	9.77E-03	4.80E-03	4.84E-03	9.64E-03
1296	489785.89, 3859276.54	0.10271	0.103	1.61E-02	1.68E-02	1.52E-02	1.55E-02	1.46E-02	4.26E-03	4.27E-03	8.53E-03	4.16E-03	4.17E-03	8.33E-03	4.10E-03	4.11E-03	8.22E-03
1297	489835.89, 3859276.54	0.08938	0.08928	1.40E-02	1.46E-02	1.32E-02	1.35E-02	1.27E-02	3.71E-03	3.70E-03	7.41E-03	3.62E-03	3.61E-03	7.23E-03	3.57E-03	3.57E-03	7.14E-03
1298	489885.89, 3859276.54	0.07932	0.07897	1.24E-02	1.29E-02	1.17E-02	1.20E-02	1.13E-02	3.29E-03	3.28E-03	6.57E-03	3.21E-03	3.20E-03	6.41E-03	3.17E-03	3.15E-03	6.32E-03
1299	489935.89, 3859276.54	0.07111	0.07058	1.11E-02	1.15E-02	1.05E-02	1.07E-02	1.01E-02	2.95E-03	2.93E-03	5.88E-03	2.88E-03	2.86E-03	5.74E-03	2.84E-03	2.82E-03	5.66E-03
1300	489985.89, 3859276.54	0.06381	0.06312	1.00E-02	1.03E-02	9.42E-03	9.65E-03	9.10E-03	2.65E-03	2.62E-03	5.27E-03	2.58E-03	2.56E-03	5.14E-03	2.55E-03	2.52E-03	5.07E-03
1301	490035.89, 3859276.54	0.05902	0.05824	9.25E-03	9.51E-03	8.71E-03	8.92E-03	8.42E-03	2.45E-03	2.42E-03	4.86E-03	2.39E-03	2.36E-03	4.75E-03	2.36E-03	2.33E-03	4.68E-03
1302	490458.06, 3859590.74	0.09959	0.1003	1.56E-02	1.64E-02	1.47E-02	1.51E-02	1.42E-02	4.13E-03	4.16E-03	8.29E-03	4.03E-03	4.06E-03	8.09E-03	3.98E-03	4.01E-03	7.98E-03
1303	490508.06, 3859590.74	0.08806	0.08869	1.38E-02	1.45E-02	1.30E-02	1.33E-02	1.26E-02	3.65E-03	3.68E-03	7.33E-03	3.57E-03	3.59E-03	7.16E-03	3.52E-03	3.54E-03	7.06E-03
1304	490558.06, 3859590.74	0.07849	0.07897	1.23E-02	1.29E-02	1.16E-02	1.19E-02	1.12E-02	3.26E-03	3.28E-03	6.53E-03	3.18E-03	3.20E-03	6.37E-03	3.14E-03	3.15E-03	6.29E-03
1305	490608.06, 3859590.74	0.07058	0.07092	1.11E-02	1.16E-02	1.04E-02	1.07E-02	1.01E-02	2.93E-03	2.94E-03	5.87E-03	2.86E-03	2.87E-03	5.73E-03	2.82E-03	2.83E-03	5.65E-03
1306	490658.06, 3859590.74	0.06395	0.06421	1.00E-02	1.05E-02	9.44E-03	9.67E-03	9.12E-03	2.65E-03	2.66E-03	5.32E-03	2.59E-03	2.60E-03	5.19E-03	2.55E-03	2.56E-03	5.12E-03
1307	490708.06, 3859590.74	0.05828	0.05845	9.13E-03	9.54E-03	8.60E-03	8.81E-03	8.31E-03	2.42E-03	2.42E-03	4.84E-03	2.36E-03	2.37E-03	4.73E-03	2.33E-03	2.33E-03	4.66E-03
1308	490758.06, 3859590.74	0.05323	0.05333	8.34E-03	8.70E-03	7.86E-03	8.05E-03	7.59E-03	2.21E-03	2.21E-03	4.42E-03	2.15E-03	2.16E-03	4.31E-03	2.13E-03	2.13E-03	4.26E-03
1309	490808.06, 3859590.74	0.04921	0.04924	7.71E-03	8.04E-03	7.26E-03	7.44E-03	7.02E-03	2.04E-03	2.04E-03	4.08E-03	1.99E-03	1.99E-03	3.99E-03	1.97E-03	1.97E-03	3.93E-03
1310	490858.06, 3859590.74	0.04557	0.04555	7.14E-03	7.44E-03	6.73E-03	6.89E-03	6.50E-03	1.89E-03	1.89E-03	3.78E-03	1.84E-03	1.84E-03	3.69E-03	1.82E-03	1.82E-03	3.64E-03
1311	490458.06, 3859640.74	0.14363	0.14592	2.25E-02	2.38E-02	2.12E-02	2.17E-02	2.05E-02	5.96E-03	6.05E-03	1.20E-02	5.81E-03	5.91E-03	1.17E-02	5.74E-03	5.83E-03	1.16E-02
1312	490508.06, 3859640.74	0.12222	0.12405	1.91E-02	2.02E-02	1.80E-02	1.85E-02	1.74E-02	5.07E-03	5.15E-03	1.02E-02	4.95E-03	5.02E-03	9.97E-03	4.88E-03	4.96E-03	9.84E-03
1313	490558.06, 3859640.74	0.10601	0.10751	1.66E-02	1.75E-02	1.56E-02	1.60E-02	1.51E-02	4.40E-03	4.46E-03	8.86E-03	4.29E-03	4.35E-03	8.64E-03	4.23E-03	4.29E-03	8.53E-03
1314	490608.06, 3859640.74	0.09206	0.09332	1.44E-02	1.52E-02	1.36E-02	1.39E-02	1.31E-02	3.82E-03	3.87E-03	7.69E-03	3.73E-03	3.78E-03	7.50E-03	3.68E-03	3.73E-03	7.41E-03
1315	490658.06, 3859640.74	0.08082	0.08174	1.27E-02	1.33E-02	1.19E-02	1.22E-02	1.15E-02	3.35E-03	3.39E-03	6.74E-03	3.27E-03	3.31E-03	6.58E-03	3.23E-03	3.27E-03	6.49E-03
1316	490708.06, 3859640.74	0.07226	0.073	1.13E-02	1.19E-02	1.07E-02	1.09E-02	1.03E-02	3.00E-03	3.03E-03	6.03E-03	2.93E-03	2.96E-03	5.88E-03	2.89E-03	2.92E-03	5.80E-03
1317	490758.06, 3859640.74	0.06492	0.0655	1.02E-02	1.07E-02	9.58E-03	9.81E-03	9.26E-03	2.69E-03	2.72E-03	5.41E-03	2.63E-03	2.65E-03	5.28E-03	2.59E-03	2.62E-03	5.21E-03
1318	490808.06, 3859640.74	0.05936	0.05981	9.30E-03	9.76E-03	8.76E-03	8.97E-03	8.46E-03	2.46E-03	2.48E-03	4.94E-03	2.40E-03	2.42E-03	4.82E-03	2.37E-03	2.39E-03	4.76E-03
1319	490858.06, 3859640.74	0.05463	0.05497	8.56E-03	8.97E-03	8.06E-03	8.26E-03	7.79E-03	2.27E-03	2.28E-03	4.55E-03	2.21E-03	2.23E-03	4.44E-03	2.18E-03	2.20E-03	4.38E-03
1320	490608.06, 3859690.74	0.13038	0.13339	2.04E-02	2.18E-02	1.92E-02	1.97E-02	1.86E-02	5.41E-03	5.53E-03	1.09E-02	5.28E-03	5.40E-03	1.07E-02	5.21E-03	5.33E-03	1.05E-02
1321	490658.06, 3859690.74	0.10936	0.11177	1.71E-02	1.82E-02	1.61E-02	1.65E-02	1.56E-02	4.54E-03	4.64E-03	9.17E-03	4.43E-03	4.52E-03	8.95E-03	4.37E-03	4.46E-03	8.83E-03
1322	490708.06, 3859690.74	0.09459	0.09639	1.48E-02	1.57E-02	1.40E-02	1.43E-02	1.35E-02	3.92E-03	4.00E-03	7.92E-03	3.83E-03	3.90E-03	7.73E-03	3.78E-03	3.85E-03	7.63E-03
1323	490758.06, 3859690.74	0.08276	0.08418	1.30E-02	1.37E-02	1.22E-02	1.25E-02	1.18E-02	3.43E-03	3.49E-03	6.93E-03	3.35E-03	3.41E-03	6.76E-03	3.31E-03	3.36E-03	6.67E-03
1324	490808.06, 3859690.74	0.07382	0.07495	1.16E-02	1.22E-02	1.09E-02	1.12E-02	1.05E-02	3.06E-03	3.11E-03	6.17E-03	2.99E-03	3.03E-03	6.02E-03	2.95E-03	2.99E-03	5.94E-03
1325	490858.06, 3859690.74	0.06755	0.06848	1.06E-02	1.12E-02	9.97E-03	1.02E-02	9.63E-03	2.80E-03	2.84E-03	5.64E-03	2.73E-03	2.77E-03	5.51E-03	2.70E-03	2.74E-03	5.43E-03
1326	490708.06, 3859740.74	0.13654	0.14108	2.14E-02	2.30E-02	2.02E-02	2.06E-02	1.95E-02	5.66E-03	5.85E-03	1.15E-02	5.53E-03	5.71E-03	1.12E-02	5.45E-03	5.64E-03	1.11E-02
1327	490758.06, 3859740.74	0.11613	0.11944	1.82E-02	1.95E-02	1.71E-02	1.76E-02	1.66E-02	4.82E-03	4.96E-03	9.77E-03	4.70E-03	4.84E-03	9.54E-03	4.64E-03	4.77E-03	9.41E-03
1328	490808.06, 3859740.74	0.10028	0.10285	1.57E-02	1.68E-02	1.48E-02	1.52E-02	1.43E-02	4.16E-03	4.27E-03	8.43E-03	4.06E-03	4.16E-03	8.22E-03	4.01E-03	4.11E-03	8.11E-03
1329	490858.06, 3859740.74	0.08843	0.09048	1.39E-02	1.48E-02	1.31E-02	1.34E-02	1.26E-02	3.67E-03	3.75E-03	7.42E-03	3.58E-03	3.66E-03	7.24E-03	3.53E-03	3.61E-03	7.15E-03
1330	490786.56, 3859749.39	0.11367	0.11699	1.78E-02	1.91E-02	1.68E-02	1.72E-02	1.62E-02	4.72E-03	4.85E-03	9.57E-03	4.60E-03	4.74E-03	9.34E-03	4.54E-03	4.67E-03	9.21E-03
1331	490836.56, 3859749.39	0.09847	0.10105	1.54E-02	1.65E-02	1.45E-02	1.49E-02	1.40E-02	4.09E-03	4.19E-03	8.28E-03	3.99E-03	4.09E-03	8.08E-03	3.93E-03	4.04E-03	7.97E-03
1332	490786.56, 3859799.39	0.18059	0.18925	2.83E-02	3.09E-02	2.67E-02	2.73E-02	2.57E-02	7.49E-03	7.85E-03	1.53E-02	7.31E-03	7.66E-03	1.50E-02	7.21E-03	7.56E-03	1.48E-02
1333	490836.56, 3859799.39	0.14587	0.15256	2.29E-02	2.49E-02	2.15E-02	2.21E-02	2.08E-02	6.05E-03	6.33E-03	1.24E-02	5.91E-03	6.18E-03	1.21E-02	5.83E-03	6.09E-03	1.19E-02
1334	492307.84, 3854508.36	0.0044	0.00518	6.89E-04	8.46E-04	6.49E-04	6.65E-04	6.27E-04	1.83E-04	2.15E-04	3.97E-04	1.78E-04	2.10E-04	3.88E-04	1.76E-04	2.07E-04	3.83E-04
1335	486445.7, 3854753.6	0.00663	0.01251	1.04E-03	2.04E-03	9.79E-04	1.00E-03	9.45E-04	2.75E-04	5.19E-04	7.94E-04	2.68E-04	5.06E-04	7.75E-04	2.65E-04	5.00E-04	7.65E-04
1336	472599.75, 3877830.11	0.0004	0.0004	6.27E-05	6.53E-05	5.90E-05	6.05E-05	5.70E-05	1.66E-05	1.66E-05	3.32E-05	1.62E-05	1.62E-05	3.24E-05	1.60E-05	1.60E-05	3.20E-05
1337	493107.48, 3866840.19	0.00087	0.00089	1.36E-04	1.45E-04	1.28E-04	1.32E-04	1.24E-04	3.61E-05	3.69E-05	7.30E-05	3.52E-05	3.60E-05	7.13E-05	3.48E-05	3.56E-05	7.03E-05
1338	495815.79, 3861662.87	0.03847	0.03856	6.03E-03	6.29E-03	5.68E-03	5.82E-03	5.49E-03	1.60E-03	1.60E-03	3.20E-03	1.56E-03	1.56E-03	3.12E-03	1.54E-03	1.54E-03	3.08E-03
1339	480272.33, 3841389.2	0.00072	0.00073	1.13E-04	1.19E-04	1.06E-04	1.09E-04	1.03E-04	2.99E-05	3.03E-05	6.02E-05	2.91E-05	2.96E-05	5.87E-05	2.88E-05	2.92E-05	5.79E-05
1340	497005.18, 3862813.64	0.01338	0.01346	2.10E-03	2.20E-03	1.97E-03	2.02E-03	1.91E-03	5.55E-04	5.58E-04	1.11E-03	5.42E-04	5.45E-04	1.09E-03	5.34E-04	5.38E-04	1.07E-03
1341	493677.33, 3860302.55	0.01477	0.01465	2.31E-03	2.39E-03	2.18E-03	2.23E-03	2.11E-03	6.13E-04	6.08E-04	1.22E-03	5.98E-04	5.93E-04	1.19E-03	5.90E-04	5.85E-04	1.18E-03
1342	493727.33, 3860302.55	0.01452	0.01439	2.27E-03	2.35E-03	2.14E-03	2.19E-03	2.07E-03	6.02E-04	5.97E-04	1.20E-03	5.88E-04	5.83E-04	1.17E-03	5.80E-04	5.75E-04	1.15E-03
1343	493777.33, 3860302.55	0.01425	0.01412	2.23E-03	2.30E-03	2.10E-03	2.15E-03	2.03E-03	5.91E-04	5.86E-04	1.18E-03	5.77E-04	5.72E-04	1.15E-03	5.69E-04	5.64E-04	1.13E-03
1344	493827.33, 3860302.55	0.01399	0.01386	2.19E-03	2.26E-03	2.06E-03	2.11E-03	1.99E-03	5.80E-04	5.75E-04	1.16E-03	5.66E-04	5.61E-04	1.13E-03	5.59E-04	5.54E-04	1.11E-03
1345	493877.33, 3860302.55	0.01379	0.01365	2.16E-03	2.23E-03	2.04E-03	2.08E-03	1.97E-03	5.72E-04	5.66E-04	1.14E-03	5.58E-04	5.53E-04	1.11E-03	5.51E-04	5.45E-04	1.10E-03
1346	493927.33, 3860302.55	0.01362	0.01348	2.13E-03	2.20E-03	2.01E-03	2.06E-03	1.94E-03	5.65E-04	5.59E-04	1.12E-03	5.51E-04	5.46E-04	1.10E-03	5.44E-04	5.38E-04	1.08E-03
1347	493977.33, 3860302.55	0.01326	0.01312	2.08E-03	2.14E-03	1.96E-03	2.00E-03	1.89E-03	5.50E-04	5.44E-04	1.09E-03	5.37E-04	5.31E-04	1.07E-03	5.30E-04	5.24E-04	1.05E-03
1348	494027.33, 3860302.55	0.01301	0.01286	2.04E-03	2.10E-03	1.92E-03	1.97E-03	1.86E-03	5.40E-04	5.34E-04	1.07E-03	5.27E-04	5.21E-04	1.05E-03	5.20E-04	5.14E-04	1.03E-03
1349	493677.33, 3860352.55	0.01523	0.01512	2.39E-03	2.47E-03	2.25E-03	2.30E-03	2.17E-03	6.32E-04	6.27E-04	1.26E-03	6.17E-04	6.12E-04	1.23E-03	6.08E-04	6.04E-04	1.21E-03
1350	493727.33, 3860352.55	0.015	0.01488	2.35E-03	2.43E-03	2.21E-03	2.27E-03	2.14E-03	6.22E-04	6.17E-04	1.24E-03	6.07E-04	6.02E-04	1.21E-03	5.99E-04	5.94E-04	1.19E-03
1351	493777.33, 3860352.55	0.01477	0.01465	2.31E-03	2.39E-03	2.18E-03	2.23E-03	2.11E-03	6.13E-04	6.08E-04	1.22E-03	5.98E-04	5.93E-04	1.19E-03	5.90E-04	5.85E-04	1.18E-03
1352	493827.33, 3860352.55	0.01453	0.0144	2.28E-03	2.35E-03	2.14E-03	2.20E-03	2.07E-03	6.03E-04	5.97E-04	1.20E-03	5.88E-04	5.83E-04	1.17E-03	5.80E-04	5.75E-04	1.16E-03
1353	493877.33, 3860352.55	0.01426	0.01413	2.23E-03	2.31E-03	2.10E-03	2.16E-03	2.03E-03	5.92E-04	5.86E-04	1.18E-03	5.77E-04	5.72E-04	1.15E-03	5.70E-04	5.64E-04	1.13E-03
1354	493927.33, 3860352.55	0.01395	0.01382	2.19E-03	2.26E-03	2.06E-03	2.11E-03	1.99E-03	5.79E-04	5.73E-04	1.15E-03	5.65E-04	5.59E-04	1.12E-03	5.57E-04	5.52E-04	1.11E-03
1355	493977.33, 3860352.55	0.01362	0.01349	2.13E-03	2.20E-03	2.01E-03	2.06E-03	1.94E-03	5.65E-04	5.60E-04	1.12E-03	5.51E-04	5.46E-04	1.10E-03	5.44E-04	5.39E-04	1.08E-03
1356	494027.33, 3860352.55	0.01342	0.01329	2.10E-03	2.17E-03	1.98E-03	2.03E-03	1.91E-03	5.57E-04	5.51E-04	1.11E-03	5.43E-04	5.38E-04	1.08E-03	5.36E-04	5.31E-04	1.07E-03
1357	493677.33, 3860402.55	0.01581	0.01571	2.48E-03	2.56E-03	2.33E-03	2.39E-03	2.25E-03	6.56E-04	6.52E-04	1.31E-03	6.40E-04	6.36E-04	1.28E-03	6.32E-04	6.28E-04	1.26E-03
1358	493727.33, 3860402.55	0.01556	0.01546	2.44E-03	2.52E-03	2.30E-03	2.35E-03	2.22E-03	6.46E-04	6.41E-04	1.29E-03	6.30E-04	6.26E-04	1.26E-03	6.22E-04	6.18E-04	1.24E-03
1359	493777.33, 3860402.55	0.01516	0.01506	2.37E-03	2.46E-03	2.24E-03	2.29E-03	2.16E-03	6.29E-04	6.25E-04	1.25E-03	6.14E-04	6.10E-04	1.22E-03	6.06E-04	6.02E-04	1.21E-03
1360	493827.33, 3860402.55	0.01499	0.01487	2.35E-03	2.43E-03	2.21E-03	2.27E-03	2.14E-03	6.22E-04	6.17E-04	1.24E-03	6.07E-04	6.02E-04	1.21E-03	5.99E-04	5.94E-04	1.19E-03
1361	493877.33, 3860402.55	0.01476	0.01464	2.31E-03	2.39E-03	2.18E-03	2.23E-03	2.10E-03	6.12E-04	6.07E-04	1.22E-03	5.98E-04	5.93E-04	1.19E-03	5.90E-04	5.85E-04	1.17E-03
1362	493927.33, 3860402.55	0.01439	0.01427	2.25E-03	2.33E-03	2.12E-03	2.18E-03	2.05E-03	5.97E-04	5.92E-04	1.19E-03	5.83E-04	5.78E-04	1.16E-03	5.75E-04	5.70E-04	1.14E-03
1363	493977.33, 3860402.55	0.01403	0.0139	2.20E-03	2.27E-03	2.07E-03	2.12E-03	2.00E-03	5.82E-04	5.77E-04	1.16E-03	5.68E-04	5.63E-04	1.13E-03	5.60E-04	5.55E-04	1.12E-03
1364	494027.33, 3860402.55	0.01385	0.01373	2.17E-03	2.24E-03	2.04E-03	2.09E-03	1.97E-03	5.75E-04	5.70E-04	1.14E-03	5.61E-04	5.56E-04	1.12E-03	5.53E-04	5.48E-04	1.10E-03
1365	493677.33, 3860452.55	0.01632	0.01623	2.56E-03	2.65E-03	2.41E-03	2.47E-03	2.33E-03	6.77E-04	6.73E-04	1.35E-03	6.61E-04	6.57E-04	1.32E-03	6.52E-04	6.48E-04	1.30E-03
1366	493727.33, 3860452.55	0.01616	0.01607	2.53E-03	2.62E-03	2.39E-03	2.44E-03	2.30E-03	6.70E-04	6.67E-04	1.34E-03	6.54E-04	6.51E-04	1.30E-03	6.46E-04	6.42E-04	1.29E-03
1367	493777.33, 3860452.55	0.01588	0.01579	2.49E-03	2.58E-03	2.34E-03	2.40E-03	2.26E-03	6.59E-04	6.55E-04	1.31E-03	6.43E-04	6.39E-04	1.28E-03	6.34E-04	6.31E-04	1.27E-03
1368	493827.33, 3860452.55	0.01553	0.01542	2.43E-03	2.52E-03	2.29E-03	2.35E-03	2.21E-03	6.44E-04	6.40E-04	1.28E-03	6.29E-04	6.24E-04	1.25E-03	6.20E-04	6.16E-04	1.24E-03
1369	493877.33, 3860452.55	0.01521	0.0151	2.38E-03	2.46E-03	2.24E-03	2.30E-03	2.17E-03	6.31E-04	6.26E-04	1.26E-03	6.16E-04	6.11E-04	1.23E-03	6.08E-04	6.03E-04	1.21E-03
1370	493927.33, 3860452.55	0.01479	0.01468	2.32E-03	2.40E-03	2.18E-03	2.24E-03	2.11E-03	6.14E-04	6.09E-04	1.22E-03	5.99E-04	5.94E-04	1.19E-03	5.91E-04	5.86E-04	1.18E-03
1371	493977.33, 3860452.55	0.01456	0.01444	2.28E-03	2.36E-03	2.15E-03	2.20E-03	2.08E-03	6.04E-04	5.99E-04	1.20E-03	5.89E-04	5.85E-04	1.17E-03	5.82E-04	5.77E-04	1.16E-03
1372	494027.33, 3860452.55	0.01434	0.01422	2.25E-03	2.32E-03	2.12E-03	2.17E-03	2.04E-03	5.95E-04	5.90E-04	1.18E-03	5.81E-04	5.76E-04	1.16E-03	5.73E-04	5.68E-04	1.14E-03
1373	493677.33, 3860502.55	0.01691	0.01684	2.65E-03	2.75E-03	2.50E-03	2.56E-03	2.41E-03	7.02E-04	6.99E-04	1.40E-03	6.85E-04	6.82E-04	1.37E-03	6.76E-04	6.73E-04	1.35E-03
1374	493727.33, 3860502.55	0.0167	0.01661	2.62E-03	2.71E-03	2.46E-03	2.52E-03	2.38E-03	6.93E-04	6.89E-04	1.38E-03	6.76E-04	6.72E-04	1.35E-03	6.67E-04	6.64E-04	1.33E-03
1375	493777.33, 3860502.55	0.0164	0.01632	2.57E-03	2.66E-03	2.42E-03	2.48E-03	2.34E-03	6.80E-04	6.77E-04	1.36E-03	6.64E-04	6.61E-04	1.32E-03	6.55E-04	6.52E-04	1.31E-03
1376	493827.33, 3860502.55	0.01612	0.01602	2.53E-03	2.61E-03	2.38E-03	2.44E-03	2.30E-03	6.69E-04	6.65E-04	1.33E-03	6.53E-04	6.49E-04	1.30E-03	6.44E-04	6.40E-04	1.28E-03
1377	493877.33, 3860502.55	0.01575	0.01566	2.47E-03	2.56E-03	2.32E-03	2.38E-03	2.25E-03	6.53E-04	6.50E-04	1.30E-03	6.38E-04	6.34E-04	1.27E-03	6.29E-04	6.26E-04	1.25E-03
1378	493927.33, 3860502.55	0.01536	0.01526	2.41E-03	2.49E-03	2.27E-03	2.32E-03	2.19E-03	6.37E-04	6.33E-04	1.27E-03	6.22E-04	6.18E-04	1.24E-03	6.14E-04	6.10E-04	1.22E-03
1379	493977.33, 3860502.55	0.01514	0.01504	2.37E-03	2.45E-03	2.23E-03	2.29E-03	2.16E-03	6.28E-04	6.24E-04	1.25E-03	6.13E-04	6.09E-04	1.22E-03	6.05E-04	6.01E-04	1.21E-03
1380	494027.33, 3860502.55	0.01489	0.01478	2.33E-03	2.41E-03	2.20E-03	2.25E-03	2.12E-03	6.18E-04	6.13E-04	1.23E-03	6.03E-04	5.98E-04	1.20E-03	5.95E-04	5.90E-04	1.19E-03
1381	493627.33, 3860552.55	0.0179	0.01783	2.80E-03	2.91E-03	2.64E-03	2.71E-03	2.55E-03	7.43E-04	7.40E-04	1.48E-03	7.25E-04	7.22E-04	1.45E-03	7.15E-04	7.12E-04	1.43E-03
1382	493677.33, 3860552.55	0.01765	0.01758	2.76E-03	2.87E-03	2.60E-03	2.67E-03	2.52E-03	7.32E-04	7.29E-04	1.46E-03	7.15E-04	7.12E-04	1.43E-03	7.05E-04	7.02E-04	1.41E-03
1383	493727.33, 3860552.55	0.01738	0.0173	2.72E-03	2.82E-03	2.57E-03	2.63E-03	2.48E-03	7.21E-04	7.18E-04	1.44E-03	7.04E-04	7.00E-04	1.40E-03	6.94E-04	6.91E-04	1.39E-03
1384	493777.33, 3860552.55	0.01704	0.01696	2.67E-03	2.77E-03	2.51E-03	2.58E-03	2.43E-03	7.07E-04	7.04E-04	1.41E-03	6.90E-04	6.87E-04	1.38E-03	6.81E-04	6.77E-04	1.36E-03
1385	493827.33, 3860552.55	0.01665	0.01657	2.61E-03	2.70E-03	2.46E-03	2.52E-03	2.37E-03	6.91E-04	6.87E-04	1.38E-03	6.74E-04	6.71E-04	1.34E-03	6.65E-04	6.62E-04	1.33E-03
1386	493877.33, 3860552.55	0.01639	0.01631	2.57E-03	2.66E-03	2.42E-03	2.48E-03	2.34E-03	6.80E-04	6.77E-04	1.36E-03	6.64E-04	6.60E-04	1.32E-03	6.55E-04	6.52E-04	1.31E-03
1387	493927.33, 3860552.55	0.01604	0.01596	2.51E-03	2.61E-03	2.37E-03	2.42E-03	2.29E-03	6.65E-04	6.62E-04	1.33E-03	6.49E-04	6.46E-04	1.30E-03	6.41E-04	6.38E-04	1.28E-03
1388	493977.33, 3860552.55	0.01568	0.01559	2.46E-03	2.54E-03	2.31E-03	2.37E-03	2.24E-03	6.51E-04	6.47E-04	1.30E-03	6.35E-04	6.31E-04	1.27E-03	6.26E-04	6.23E-04	1.25E-03

1389	494027.33, 3860552.55	0.01546	0.01536	2.42E-03	2.51E-03	2.28E-03	2.34E-03	2.20E-03	6.41E-04	6.37E-04	1.28E-03	6.26E-04	6.22E-04	1.25E-03	6.18E-04	6.14E-04	1.23E-03
1390	493627.33, 3860602.55	0.01862	0.01857	2.92E-03	3.03E-03	2.75E-03	2.81E-03	2.65E-03	7.73E-04	7.70E-04	1.54E-03	7.54E-04	7.52E-04	1.51E-03	7.44E-04	7.42E-04	1.49E-03
1391	493727.33, 3860602.55	0.01814	0.01807	2.84E-03	2.95E-03	2.68E-03	2.74E-03	2.59E-03	7.53E-04	7.50E-04	1.50E-03	7.34E-04	7.32E-04	1.47E-03	7.25E-04	7.22E-04	1.45E-03
1392	493777.33, 3860602.55	0.01769	0.01762	2.77E-03	2.88E-03	2.61E-03	2.67E-03	2.52E-03	7.34E-04	7.31E-04	1.46E-03	7.16E-04	7.13E-04	1.43E-03	7.07E-04	7.04E-04	1.41E-03
1393	493827.33, 3860602.55	0.01736	0.01729	2.72E-03	2.82E-03	2.56E-03	2.62E-03	2.48E-03	7.20E-04	7.17E-04	1.44E-03	7.03E-04	7.00E-04	1.40E-03	6.93E-04	6.91E-04	1.38E-03
1394	493877.33, 3860602.55	0.01696	0.01689	2.66E-03	2.76E-03	2.50E-03	2.56E-03	2.42E-03	7.04E-04	7.01E-04	1.40E-03	6.87E-04	6.84E-04	1.37E-03	6.77E-04	6.75E-04	1.35E-03
1395	493927.33, 3860602.55	0.01663	0.01655	2.61E-03	2.70E-03	2.45E-03	2.51E-03	2.37E-03	6.90E-04	6.87E-04	1.38E-03	6.73E-04	6.70E-04	1.34E-03	6.64E-04	6.61E-04	1.33E-03
1396	493977.33, 3860602.55	0.0163	0.01621	2.55E-03	2.65E-03	2.41E-03	2.46E-03	2.32E-03	6.76E-04	6.73E-04	1.35E-03	6.60E-04	6.56E-04	1.32E-03	6.51E-04	6.48E-04	1.30E-03
1397	494027.33, 3860602.55	0.01609	0.016	2.52E-03	2.61E-03	2.37E-03	2.43E-03	2.29E-03	6.68E-04	6.64E-04	1.33E-03	6.51E-04	6.48E-04	1.30E-03	6.43E-04	6.39E-04	1.28E-03
1398	493627.33, 3860652.55	0.01946	0.01942	3.05E-03	3.17E-03	2.87E-03	2.94E-03	2.77E-03	8.07E-04	8.06E-04	1.61E-03	7.88E-04	7.86E-04	1.57E-03	7.77E-04	7.76E-04	1.55E-03
1399	493727.33, 3860652.55	0.0189	0.01884	2.96E-03	3.08E-03	2.79E-03	2.86E-03	2.69E-03	7.84E-04	7.82E-04	1.57E-03	7.65E-04	7.63E-04	1.53E-03	7.55E-04	7.53E-04	1.51E-03
1400	493777.33, 3860652.55	0.01847	0.01841	2.89E-03	3.01E-03	2.73E-03	2.79E-03	2.63E-03	7.66E-04	7.64E-04	1.53E-03	7.48E-04	7.45E-04	1.49E-03	7.38E-04	7.35E-04	1.47E-03
1401	493827.33, 3860652.55	0.01806	0.018	2.83E-03	2.94E-03	2.67E-03	2.73E-03	2.58E-03	7.49E-04	7.47E-04	1.50E-03	7.31E-04	7.29E-04	1.46E-03	7.21E-04	7.19E-04	1.44E-03
1402	493877.33, 3860652.55	0.01763	0.01757	2.76E-03	2.87E-03	2.60E-03	2.66E-03	2.51E-03	7.31E-04	7.29E-04	1.46E-03	7.14E-04	7.11E-04	1.43E-03	7.04E-04	7.02E-04	1.41E-03
1403	493927.33, 3860652.55	0.0173	0.01723	2.71E-03	2.81E-03	2.55E-03	2.62E-03	2.47E-03	7.18E-04	7.15E-04	1.43E-03	7.00E-04	6.98E-04	1.40E-03	6.91E-04	6.88E-04	1.38E-03
1404	493977.33, 3860652.55	0.017	0.01693	2.66E-03	2.76E-03	2.51E-03	2.57E-03	2.42E-03	7.05E-04	7.02E-04	1.41E-03	6.88E-04	6.85E-04	1.37E-03	6.79E-04	6.76E-04	1.36E-03
1405	494027.33, 3860652.55	0.01664	0.01656	2.61E-03	2.70E-03	2.46E-03	2.52E-03	2.37E-03	6.90E-04	6.87E-04	1.38E-03	6.74E-04	6.70E-04	1.34E-03	6.65E-04	6.62E-04	1.33E-03
1406	494311.06, 3858401.99	0.00464	0.00459	7.27E-04	7.49E-04	6.85E-04	7.01E-04	6.62E-04	1.93E-04	1.90E-04	3.83E-04	1.88E-04	1.86E-04	3.74E-04	1.85E-04	1.83E-04	3.69E-04
1407	494361.06, 3858401.99	0.0046	0.00455	7.21E-04	7.43E-04	6.79E-04	6.95E-04	6.56E-04	1.91E-04	1.89E-04	3.80E-04	1.86E-04	1.84E-04	3.70E-04	1.84E-04	1.82E-04	3.66E-04
1408	494411.06, 3858401.99	0.00456	0.00452	7.14E-04	7.38E-04	6.73E-04	6.89E-04	6.50E-04	1.89E-04	1.88E-04	3.77E-04	1.85E-04	1.83E-04	3.68E-04	1.82E-04	1.81E-04	3.63E-04
1409	494461.06, 3858401.99	0.00454	0.0045	7.11E-04	7.35E-04	6.70E-04	6.86E-04	6.47E-04	1.88E-04	1.87E-04	3.75E-04	1.84E-04	1.82E-04	3.66E-04	1.81E-04	1.80E-04	3.61E-04
1410	494511.06, 3858401.99	0.00451	0.00446	7.06E-04	7.28E-04	6.66E-04	6.82E-04	6.43E-04	1.87E-04	1.85E-04	3.72E-04	1.83E-04	1.81E-04	3.63E-04	1.80E-04	1.78E-04	3.58E-04
1411	494561.06, 3858401.99	0.00449	0.00444	7.03E-04	7.25E-04	6.63E-04	6.79E-04	6.40E-04	1.86E-04	1.84E-04	3.70E-04	1.82E-04	1.80E-04	3.62E-04	1.79E-04	1.77E-04	3.57E-04
1412	494611.06, 3858401.99	0.00445	0.00441	6.97E-04	7.20E-04	6.57E-04	6.73E-04	6.35E-04	1.85E-04	1.83E-04	3.68E-04	1.80E-04	1.79E-04	3.59E-04	1.78E-04	1.76E-04	3.54E-04
1413	494661.06, 3858401.99	0.00442	0.00438	6.92E-04	7.15E-04	6.52E-04	6.68E-04	6.30E-04	1.83E-04	1.82E-04	3.65E-04	1.79E-04	1.77E-04	3.56E-04	1.77E-04	1.75E-04	3.52E-04
1414	494711.06, 3858401.99	0.00438	0.00434	6.86E-04	7.08E-04	6.46E-04	6.62E-04	6.25E-04	1.82E-04	1.80E-04	3.62E-04	1.77E-04	1.76E-04	3.53E-04	1.75E-04	1.73E-04	3.48E-04
1415	494761.06, 3858401.99	0.00436	0.00432	6.83E-04	7.05E-04	6.43E-04	6.59E-04	6.22E-04	1.81E-04	1.79E-04	3.60E-04	1.77E-04	1.75E-04	3.51E-04	1.74E-04	1.73E-04	3.47E-04
1416	494811.06, 3858401.99	0.00433	0.00428	6.78E-04	6.99E-04	6.39E-04	6.55E-04	6.17E-04	1.80E-04	1.78E-04	3.57E-04	1.75E-04	1.73E-04	3.49E-04	1.73E-04	1.71E-04	3.44E-04
1417	494861.06, 3858401.99	0.0043	0.00426	6.74E-04	6.95E-04	6.35E-04	6.50E-04	6.13E-04	1.78E-04	1.77E-04	3.55E-04	1.74E-04	1.72E-04	3.47E-04	1.72E-04	1.70E-04	3.42E-04
1418	494911.06, 3858401.99	0.00427	0.00423	6.69E-04	6.90E-04	6.30E-04	6.45E-04	6.09E-04	1.77E-04	1.75E-04	3.53E-04	1.73E-04	1.71E-04	3.44E-04	1.71E-04	1.69E-04	3.40E-04
1419	494961.06, 3858401.99	0.00424	0.0042	6.64E-04	6.86E-04	6.26E-04	6.41E-04	6.05E-04	1.76E-04	1.74E-04	3.50E-04	1.72E-04	1.70E-04	3.42E-04	1.69E-04	1.68E-04	3.37E-04
1420	495011.06, 3858401.99	0.00421	0.00416	6.60E-04	6.79E-04	6.21E-04	6.36E-04	6.00E-04	1.75E-04	1.73E-04	3.47E-04	1.70E-04	1.68E-04	3.39E-04	1.68E-04	1.66E-04	3.34E-04
1421	495061.06, 3858401.99	0.00418	0.00413	6.55E-04	6.74E-04	6.17E-04	6.32E-04	5.96E-04	1.73E-04	1.71E-04	3.45E-04	1.69E-04	1.67E-04	3.36E-04	1.67E-04	1.65E-04	3.32E-04
1422	495111.06, 3858401.99	0.00413	0.00408	6.47E-04	6.66E-04	6.10E-04	6.24E-04	5.89E-04	1.71E-04	1.69E-04	3.41E-04	1.67E-04	1.65E-04	3.32E-04	1.65E-04	1.63E-04	3.28E-04
1423	495161.06, 3858401.99	0.00411	0.00407	6.44E-04	6.64E-04	6.07E-04	6.21E-04	5.86E-04	1.71E-04	1.69E-04	3.39E-04	1.66E-04	1.65E-04	3.31E-04	1.64E-04	1.63E-04	3.27E-04
1424	495211.06, 3858401.99	0.00407	0.00402	6.38E-04	6.56E-04	6.01E-04	6.15E-04	5.80E-04	1.69E-04	1.67E-04	3.36E-04	1.65E-04	1.63E-04	3.28E-04	1.63E-04	1.61E-04	3.23E-04
1425	495261.06, 3858401.99	0.00404	0.004	6.33E-04	6.53E-04	5.96E-04	6.11E-04	5.76E-04	1.68E-04	1.66E-04	3.34E-04	1.64E-04	1.62E-04	3.25E-04	1.61E-04	1.60E-04	3.21E-04
1426	495311.06, 3858401.99	0.00402	0.00397	6.30E-04	6.48E-04	5.93E-04	6.08E-04	5.73E-04	1.67E-04	1.65E-04	3.31E-04	1.63E-04	1.61E-04	3.23E-04	1.61E-04	1.59E-04	3.19E-04
1427	495361.06, 3858401.99	0.004	0.00395	6.27E-04	6.45E-04	5.90E-04	6.05E-04	5.70E-04	1.66E-04	1.64E-04	3.30E-04	1.62E-04	1.60E-04	3.22E-04	1.60E-04	1.58E-04	3.18E-04
1428	495411.06, 3858401.99	0.00398	0.00394	6.23E-04	6.43E-04	5.87E-04	6.02E-04	5.67E-04	1.65E-04	1.63E-04	3.29E-04	1.61E-04	1.60E-04	3.21E-04	1.59E-04	1.57E-04	3.16E-04
1429	495461.06, 3858401.99	0.00397	0.00393	6.22E-04	6.41E-04	5.86E-04	6.00E-04	5.66E-04	1.65E-04	1.63E-04	3.28E-04	1.61E-04	1.59E-04	3.20E-04	1.59E-04	1.57E-04	3.16E-04
1430	495511.06, 3858401.99	0.00396	0.00391	6.20E-04	6.38E-04	5.84E-04	5.99E-04	5.65E-04	1.64E-04	1.62E-04	3.27E-04	1.60E-04	1.58E-04	3.19E-04	1.58E-04	1.56E-04	3.14E-04
1431	495561.06, 3858401.99	0.00393	0.00389	6.16E-04	6.35E-04	5.80E-04	5.94E-04	5.60E-04	1.63E-04	1.61E-04	3.24E-04	1.59E-04	1.57E-04	3.17E-04	1.57E-04	1.55E-04	3.12E-04
1432	495611.06, 3858401.99	0.00392	0.00387	6.14E-04	6.32E-04	5.79E-04	5.93E-04	5.59E-04	1.63E-04	1.61E-04	3.23E-04	1.59E-04	1.57E-04	3.15E-04	1.57E-04	1.55E-04	3.11E-04
1433	495661.06, 3858401.99	0.00393	0.00388	6.16E-04	6.33E-04	5.80E-04	5.94E-04	5.60E-04	1.63E-04	1.61E-04	3.24E-04	1.59E-04	1.57E-04	3.16E-04	1.57E-04	1.55E-04	3.12E-04
1434	494311.06, 3858451.99	0.00475	0.00471	7.44E-04	7.69E-04	7.01E-04	7.18E-04	6.77E-04	1.97E-04	1.95E-04	3.92E-04	1.92E-04	1.91E-04	3.83E-04	1.90E-04	1.88E-04	3.78E-04
1435	494361.06, 3858451.99	0.00471	0.00467	7.38E-04	7.62E-04	6.95E-04	7.12E-04	6.72E-04	1.95E-04	1.94E-04	3.89E-04	1.91E-04	1.89E-04	3.80E-04	1.88E-04	1.87E-04	3.75E-04
1436	494411.06, 3858451.99	0.00468	0.00463	7.33E-04	7.56E-04	6.91E-04	7.07E-04	6.67E-04	1.94E-04	1.92E-04	3.86E-04	1.89E-04	1.87E-04	3.77E-04	1.87E-04	1.85E-04	3.72E-04
1437	494461.06, 3858451.99	0.00464	0.0046	7.27E-04	7.51E-04	6.85E-04	7.01E-04	6.62E-04	1.93E-04	1.91E-04	3.83E-04	1.88E-04	1.86E-04	3.74E-04	1.85E-04	1.84E-04	3.69E-04
1438	494511.06, 3858451.99	0.00462	0.00458	7.24E-04	7.48E-04	6.82E-04	6.98E-04	6.59E-04	1.92E-04	1.90E-04	3.82E-04	1.87E-04	1.85E-04	3.72E-04	1.85E-04	1.83E-04	3.68E-04
1439	494561.06, 3858451.99	0.00458	0.00454	7.17E-04	7.41E-04	6.76E-04	6.92E-04	6.53E-04	1.90E-04	1.88E-04	3.78E-04	1.85E-04	1.84E-04	3.69E-04	1.83E-04	1.81E-04	3.64E-04
1440	494611.06, 3858451.99	0.00455	0.00451	7.13E-04	7.36E-04	6.72E-04	6.88E-04	6.49E-04	1.89E-04	1.87E-04	3.76E-04	1.84E-04	1.83E-04	3.67E-04	1.82E-04	1.80E-04	3.62E-04
1441	494661.06, 3858451.99	0.00452	0.00448	7.08E-04	7.31E-04	6.67E-04	6.83E-04	6.44E-04	1.88E-04	1.86E-04	3.73E-04	1.83E-04	1.81E-04	3.64E-04	1.81E-04	1.79E-04	3.60E-04
1442	494711.06, 3858451.99	0.00448	0.00445	7.02E-04	7.26E-04	6.61E-04	6.77E-04	6.39E-04	1.86E-04	1.85E-04	3.70E-04	1.81E-04	1.80E-04	3.62E-04	1.79E-04	1.78E-04	3.57E-04
1443	494761.06, 3858451.99	0.00445	0.00441	6.97E-04	7.20E-04	6.57E-04	6.73E-04	6.35E-04	1.85E-04	1.83E-04	3.68E-04	1.80E-04	1.79E-04	3.59E-04	1.78E-04	1.76E-04	3.54E-04
1444	494811.06, 3858451.99	0.00442	0.00438	6.92E-04	7.15E-04	6.52E-04	6.68E-04	6.30E-04	1.83E-04	1.82E-04	3.65E-04	1.79E-04	1.77E-04	3.56E-04	1.77E-04	1.75E-04	3.52E-04
1445	494861.06, 3858451.99	0.00438	0.00434	6.86E-04	7.08E-04	6.46E-04	6.62E-04	6.25E-04	1.82E-04	1.80E-04	3.62E-04	1.77E-04	1.76E-04	3.53E-04	1.75E-04	1.73E-04	3.48E-04
1446	494911.06, 3858451.99	0.00434	0.0043	6.80E-04	7.02E-04	6.41E-04	6.56E-04	6.19E-04	1.80E-04	1.78E-04	3.58E-04	1.76E-04	1.74E-04	3.50E-04	1.73E-04	1.72E-04	3.45E-04
1447	494961.06, 3858451.99	0.00431	0.00427	6.75E-04	6.97E-04	6.36E-04	6.52E-04	6.15E-04	1.79E-04	1.77E-04	3.56E-04	1.74E-04	1.73E-04	3.47E-04	1.72E-04	1.71E-04	3.43E-04
1448	495011.06, 3858451.99	0.00427	0.00423	6.69E-04	6.90E-04	6.30E-04	6.45E-04	6.09E-04	1.77E-04	1.75E-04	3.53E-04	1.73E-04	1.71E-04	3.44E-04	1.71E-04	1.69E-04	3.40E-04
1449	495061.06, 3858451.99	0.00425	0.00421	6.66E-04	6.87E-04	6.27E-04	6.42E-04	6.06E-04	1.76E-04	1.75E-04	3.51E-04	1.72E-04	1.70E-04	3.42E-04	1.70E-04	1.68E-04	3.38E-04
1450	495111.06, 3858451.99	0.00421	0.00417	6.60E-04	6.81E-04	6.21E-04	6.36E-04	6.00E-04	1.75E-04	1.73E-04	3.48E-04	1.70E-04	1.69E-04	3.39E-04	1.68E-04	1.67E-04	3.35E-04
1451	495161.06, 3858451.99	0.00417	0.00413	6.53E-04	6.74E-04	6.15E-04	6.30E-04	5.95E-04	1.73E-04	1.71E-04	3.44E-04	1.69E-04	1.67E-04	3.36E-04	1.67E-04	1.65E-04	3.32E-04
1452	495211.06, 3858451.99	0.00414	0.00409	6.49E-04	6.68E-04	6.11E-04	6.26E-04	5.90E-04	1.72E-04	1.70E-04	3.41E-04	1.68E-04	1.66E-04	3.33E-04	1.65E-04	1.63E-04	3.29E-04
1453	495261.06, 3858451.99	0.00411	0.00406	6.44E-04	6.63E-04	6.07E-04	6.21E-04	5.86E-04	1.71E-04	1.68E-04	3.39E-04	1.66E-04	1.64E-04	3.31E-04	1.64E-04	1.62E-04	3.26E-04
1454	495311.06, 3858451.99	0.00408	0.00404	6.39E-04	6.59E-04	6.02E-04	6.17E-04	5.82E-04	1.69E-04	1.68E-04	3.37E-04	1.65E-04	1.64E-04	3.29E-04	1.63E-04	1.61E-04	3.24E-04
1455	495361.06, 3858451.99	0.00406	0.00402	6.36E-04	6.56E-04	5.99E-04	6.14E-04	5.79E-04	1.68E-04	1.67E-04	3.35E-04	1.64E-04	1.63E-04	3.27E-04	1.62E-04	1.61E-04	3.23E-04
1456	495411.06, 3858451.99	0.00405	0.00401	6.34E-04	6.55E-04	5.98E-04	6.12E-04	5.77E-04	1.68E-04	1.66E-04	3.34E-04	1.64E-04	1.62E-04	3.26E-04	1.62E-04	1.60E-04	3.22E-04
1457	495461.06, 3858451.99	0.00404	0.004	6.33E-04	6.53E-04	5.96E-04	6.11E-04	5.76E-04	1.68E-04	1.66E-04	3.34E-04	1.64E-04	1.62E-04	3.25E-04	1.61E-04	1.60E-04	3.21E-04
1458	495511.06, 3858451.99	0.00402	0.00398	6.30E-04	6.50E-04	5.93E-04	6.08E-04	5.73E-04	1.67E-04	1.65E-04	3.32E-04	1.63E-04	1.61E-04	3.24E-04	1.61E-04	1.59E-04	3.20E-04
1459	495561.06, 3858451.99	0.00401	0.00397	6.28E-04	6.48E-04	5.92E-04	6.06E-04	5.72E-04	1.66E-04	1.65E-04	3.31E-04	1.62E-04	1.61E-04	3.23E-04	1.60E-04	1.59E-04	3.19E-04
1460	495611.06, 3858451.99	0.00399	0.00395	6.25E-04	6.45E-04	5.89E-04	6.03E-04	5.69E-04	1.66E-04	1.64E-04	3.29E-04	1.62E-04	1.60E-04	3.21E-04	1.59E-04	1.58E-04	3.17E-04
1461	495661.06, 3858451.99	0.00398	0.00394	6.23E-04	6.43E-04	5.87E-04	6.02E-04	5.67E-04	1.65E-04	1.63E-04	3.29E-04	1.61E-04	1.60E-04	3.21E-04	1.59E-04	1.57E-04	3.16E-04
1462	494311.06, 3858501.99	0.00484	0.00479	7.58E-04	7.82E-04	7.14E-04	7.32E-04	6.90E-04	2.01E-04	1.99E-04	4.00E-04	1.96E-04	1.94E-04	3.90E-04	1.93E-04	1.91E-04	3.85E-04
1463	494361.06, 3858501.99	0.00481	0.00476	7.53E-04	7.77E-04	7.10E-04	7.27E-04	6.86E-04	2.00E-04	1.97E-04	3.97E-04	1.95E-04	1.93E-04	3.87E-04	1.92E-04	1.90E-04	3.82E-04
1464	494411.06, 3858501.99	0.00477	0.00472	7.47E-04	7.70E-04	7.04E-04	7.21E-04	6.80E-04	1.98E-04	1.96E-04	3.94E-04	1.93E-04	1.91E-04	3.84E-04	1.91E-04	1.89E-04	3.79E-04
1465	494461.06, 3858501.99	0.00474	0.0047	7.43E-04	7.67E-04	7.00E-04	7.17E-04	6.76E-04	1.97E-04	1.95E-04	3.92E-04	1.92E-04	1.90E-04	3.82E-04	1.89E-04	1.88E-04	3.77E-04
1466	494511.06, 3858501.99	0.0047	0.00465	7.36E-04	7.59E-04	6.94E-04	7.10E-04	6.70E-04	1.95E-04	1.93E-04	3.88E-04	1.90E-04	1.88E-04	3.79E-04	1.88E-04	1.86E-04	3.74E-04
1467	494561.06, 3858501.99	0.00469	0.00465	7.35E-04	7.59E-04	6.92E-04	7.09E-04	6.69E-04	1.95E-04	1.93E-04	3.87E-04	1.90E-04	1.88E-04	3.78E-04	1.87E-04	1.86E-04	3.73E-04
1468	494611.06, 3858501.99	0.00465	0.00461	7.28E-04	7.52E-04	6.86E-04	7.03E-04	6.63E-04	1.93E-04	1.91E-04	3.84E-04	1.88E-04	1.87E-04	3.75E-04	1.86E-04	1.84E-04	3.70E-04
1469	494661.06, 3858501.99	0.00462	0.00458	7.24E-04	7.48E-04	6.82E-04	6.98E-04	6.59E-04	1.92E-04	1.90E-04	3.82E-04	1.87E-04	1.85E-04	3.72E-04	1.85E-04	1.83E-04	3.68E-04
1470	494711.06, 3858501.99	0.00458	0.00454	7.17E-04	7.41E-04	6.76E-04	6.92E-04	6.53E-04	1.90E-04	1.88E-04	3.78E-04	1.85E-04	1.84E-04	3.69E-04	1.83E-04	1.81E-04	3.64E-04
1471	494761.06, 3858501.99	0.00454	0.0045	7.11E-04	7.35E-04	6.70E-04	6.86E-04	6.47E-04	1.88E-04	1.87E-04	3.75E-04	1.84E-04	1.82E-04	3.66E-04	1.81E-04	1.80E-04	3.61E-04
1472	494811.06, 3858501.99	0.0045	0.00446	7.05E-04	7.28E-04	6.64E-04	6.80E-04	6.42E-04	1.87E-04	1.85E-04	3.72E-04	1.82E-04	1.81E-04	3.63E-04	1.80E-04	1.78E-04	3.58E-04
1473	494861.06, 3858501.99	0.00447	0.00443	7.00E-04	7.23E-04	6.60E-04	6.76E-04	6.37E-04	1.85E-04	1.84E-04	3.69E-04	1.81E-04	1.79E-04	3.60E-04	1.79E-04	1.77E-04	3.56E-04
1474	494911.06, 3858501.99	0.00442	0.00438	6.92E-04	7.15E-04	6.52E-04	6.68E-04	6.30E-04	1.83E-04	1.82E-04	3.65E-04	1.79E-04	1.77E-04	3.56E-04	1.77E-04	1.75E-04	3.52E-04
1475	494961.06, 3858501.99	0.00439	0.00435	6.88E-04	7.10E-04	6.48E-04	6.64E-04	6.26E-04	1.82E-04	1.80E-04	3.63E-04	1.78E-04	1.76E-04	3.54E-04	1.75E-04	1.74E-04	3.49E-04
1476	495011.06, 3858501.99	0.00435	0.00431	6.81E-04	7.04E-04	6.42E-04	6.58E-04	6.20E-04	1.80E-04	1.79E-04	3.59E-04	1.76E-04	1.74E-04	3.51E-04	1.74E-04	1.72E-04	3.46E-04
1477	495061.06, 3858501.99	0.00432	0.00428	6.77E-04	6.99E-04	6.38E-04	6.53E-04	6.16E-04	1.79E-04	1.78E-04	3.57E-04	1.75E-04	1.73E-04	3.48E-04	1.73E-04	1.71E-04	3.44E-04
1478	495111.06, 3858501.99	0.00427	0.00423	6.69E-04	6.90E-04	6.30E-04	6.45E-04	6.09E-04	1.77E-04	1.75E-04	3.53E-04	1.73E-04	1.71E-04	3.44E-04	1.71E-04	1.69E-04	3.40E-04
1479	495161.06, 3858501.99	0.00424	0.00419	6.64E-04	6.84E-04	6.26E-04	6.41E-04	6.05E-04	1.76E-04	1.74E-04	3.50E-04	1.72E-04	1.70E-04	3.41E-04	1.69E-04	1.67E-04	3.37E-04
1480	495211.06, 3858501.99	0.0042	0.00416	6.58E-04	6.79E-04	6.20E-04	6.35E-04	5.99E-04	1.74E-04	1.73E-04	3.47E-04	1.70E-04	1.68E-04	3.38E-04	1.68E-04	1.66E-04	3.34E-04
1481	495261.06, 3858501.99	0.00418	0.00413	6.55E-04	6.74E-04	6.17E-04	6.32E-04	5.96E-04	1.73E-04	1.71E-04	3.45E-04	1.69E-04	1.67E-04	3.36E-04	1.67E-04	1.65E-04	3.32E-04
1482	495311.06, 3858501.99	0.00416	0.00411	6.52E-04	6.71E-04	6.14E-04	6.29E-04	5.93E-04	1.73E-04	1.71E-04	3.43E-04	1.68E-04	1.66E-04	3.35E-04	1.66E-04	1.64E-04	3.30E-04
1483	495361.06, 3858501.99	0.00414	0.00409	6.49E-04	6.68E-04	6.11E-04	6.26E-04	5.90E-04	1.72E-04	1.70E-04	3.41E-04	1.68E-04	1.66E-04	3.33E-04	1.65E-04	1.63E-04	3.29E-04
1484	495411.06, 3858501.99	0.00412	0.00408	6.45E-04	6.66E-04	6.08E-04	6.23E-04	5.87E-04	1.71E-04	1.69E-04	3.40E-04	1.67E-04	1.65E-04	3.32E-04	1.65E-04	1.63E-04	3.28E-04
1485	495461.06, 3858501.99	0.00411	0.00407	6.44E-04	6.64E-04	6.07E-04	6.21E-04	5.86E-04	1.71E-04	1.69E-04	3.39E-04	1.66E-04	1.65E-04	3.31E-04	1.64E-04	1.63E-04	3.27E-04
1486	495511.06, 3858501.99	0.00409	0.00405	6.41E-04	6.61E-04	6.04E-04	6.18E-04	5.83E-04	1.70E-04	1.68E-04	3.38E-04	1.66E-04	1.64E-04	3.30E-04	1.63E-04	1.62E-04	3.25E-04
1487	495561.06, 3858501.99	0.00409	0.00405	6.41E-04	6.61E-04	6.04E-04	6.18E-04	5.83E-04	1.70E-04	1.68E-04	3.38E-04	1.66E-04	1.64E-04	3.30E-04	1.63E-04	1.62E-04	3.25E-04
1488	495611.06, 3858501.99	0.00406	0.00402	6.36E-04	6.56E-04	5.99E-04	6.14E-04	5.79E-04	1.68E-04	1.67E-04	3.35E-04	1.64E-04	1.63E-04	3.27E-04	1.62E-04	1.61E-04	3.23E-04
1489	495661.06, 3858501.99	0.00405	0.00402	6.34E-04	6.56E-04	5.98E-04	6.12E-04	5.77E-04	1.68E-04	1.67E-04	3.35E-04	1.64E-04	1.63E-04	3.27E-04	1.62E-04	1.61E-04	3.22E-04
1490	494311.06, 3858551.99	0.00487	0.00482	7.63E-04	7.87E-04	7.19E-04	7.36E-04	6.94E-04	2.02E-04	2.00E-04	4.02E-04	1.97E-04	1.95E-04	3.92E-04	1.95E-04	1.93E-04	3.87E-04
1491	494361.06, 3858551.99	0.00487	0.00482	7.63E-04	7.87E-04	7.19E-04	7.36E-04	6.94E-04	2.02E-04	2.00E-04	4.02E-04	1.97E-04	1.95E-04	3.92E-04	1.95E-04	1.93E-04	3.87E-04
1492	494411.06, 3858551.99	0.00488	0.00483	7.64E-04	7.88E-04	7.20E-04	7.38E-04	6.96E-04	2.02E-04	2.00E-04	4.03E-04	1.98E-04	1.96E-04	3.93E-04	1.95E-04	1.93E-04	3.88E-04
1493	494461.06, 3858551.99	0.00486	0.00481	7.61E-04	7.85E-04	7.17E-04	7.35E-04	6.93E-04	2.02E-04	2.00E-04	4.01E-04	1.97E-04	1.95E-04	3.91E-04	1.94E-04	1.92E-04	3.86E-04
1494	494511.06, 3858551.99	0.00483	0.00478	7.57E-04	7.80E-04	7.13E-04	7.30E-04	6.89E-04	2.00E-04	1.98E-04	3.99E-04	1.96E-04	1.94E-04	3.89E-04	1.93E-04	1.91E-04	3.84E-04
1495	494561.06, 3858551.99	0.0048	0.00476	7.52E-04	7.77E-04	7.08E-04	7.26E-04	6.84E-04	1.99E-04	1.97E-04	3.97E-04	1.94E-04	1.93E-04	3.87E-04	1.92E-04	1.90E-04	3.82E-04
1496	494611.06, 3858551.99	0.00477	0.00473	7.47E-04	7.72E-04	7.04E-04	7.21E-04	6.80E-04	1.98E-04	1.96E-04	3.94E-04	1.93E-04	1.91E-04	3.85E-04	1.91E-04	1.89E-04	3.79E-04
1497	494661.06, 3858551.99	0.00474	0.0047	7.43E-04	7.67E-04	7.00E-04	7.17E-04	6.76E-04	1.97E-04	1.95E-04	3.92E-04	1.92E-04	1.90E-04	3.82E-04	1.89E-04	1.88E-04	3.77E-04
1498	494711.06, 3858551.99	0.00469	0.00465	7.35E-04	7.59E-04	6.92E-04	7.09E-04	6.69E-04	1.95E-04	1.93E-04	3.87E-04	1.90E-04	1.88E-04	3.78E-04	1.87E-04	1.86E-04	3.73E-04
1499	494761.06, 3858551.99	0.00464	0.0046	7.27E-04	7.51E-04	6.85E-04	7.01E-04	6.62E-04	1.93E-04	1.91E-04	3.83E-04	1.88E-04	1.86E-04	3.74E-04	1.85E-04	1.84E-04	3.69E-04
1500	494811.06, 3858551.99	0.0046	0.00457	7.21E-04	7.46E-04	6.79E-04	6.95E-04	6.56E-04	1.91E-04	1.90E-04	3.80E-04	1.86E-04	1.85E-04	3.71E-04	1.84E-04	1.83E-04	3.66E-04
1501	494861.06, 3858551.99	0.00456	0.00452	7.14E-04	7.38E-04	6.73E-04	6.89E-04	6.50E-04	1.89E-04	1.88E-04	3.77E-04	1.85E-04	1.83E-04	3.68E-04	1.82E-04	1.81E-04	3.63E-04
1502	494911.06, 3858551.99	0.00451	0.00448	7.06E-04	7.31E-04	6.66E-04	6.82E-04	6.43E-04	1.87E-04	1.86E-04	3.73E-04	1.83E-04	1.81E-04	3.64E-04	1.80E-04	1.79E-04	3.59E-04
1503	494961.06, 3858551.99	0.00447	0.00444	7.00E-04	7.25E-04	6.60E-04	6.76E-04	6.37E-04	1.85E-04	1.84E-04	3.70E-04	1.81E-04	1.80E-04	3.61E-04	1.79E-04	1.77E-04	3.56E-04
1504	495011.06, 3858551.99	0.00442	0.00439	6.92E-04	7.17E-04	6.52E-04	6.68E-04	6.30E-04	1.83E-04	1.82E-04	3.66E-04	1.79E-04	1.78E-04	3.57E-04	1.77E-04	1.75E-04	3.52E-04

1505	495061.06, 3858551.99	0.00439	0.00436	6.88E-04	7.12E-04	6.48E-04	6.64E-04	6.26E-04	1.82E-04	1.81E-04	3.63E-04	1.78E-04	1.77E-04	3.54E-04	1.75E-04	1.74E-04	3.50E-04
1506	495111.06, 3858551.99	0.00434	0.0043	6.80E-04	7.02E-04	6.41E-04	6.56E-04	6.19E-04	1.80E-04	1.78E-04	3.58E-04	1.76E-04	1.74E-04	3.50E-04	1.73E-04	1.72E-04	3.45E-04
1507	495161.06, 3858551.99	0.0043	0.00426	6.74E-04	6.95E-04	6.35E-04	6.50E-04	6.13E-04	1.78E-04	1.77E-04	3.55E-04	1.74E-04	1.72E-04	3.47E-04	1.72E-04	1.70E-04	3.42E-04
1508	495211.06, 3858551.99	0.00427	0.00423	6.69E-04	6.90E-04	6.30E-04	6.45E-04	6.09E-04	1.77E-04	1.75E-04	3.53E-04	1.73E-04	1.71E-04	3.44E-04	1.71E-04	1.69E-04	3.40E-04
1509	495261.06, 3858551.99	0.00424	0.0042	6.64E-04	6.86E-04	6.26E-04	6.41E-04	6.05E-04	1.76E-04	1.74E-04	3.50E-04	1.72E-04	1.70E-04	3.42E-04	1.69E-04	1.68E-04	3.37E-04
1510	495311.06, 3858551.99	0.00423	0.00419	6.63E-04	6.84E-04	6.24E-04	6.39E-04	6.03E-04	1.75E-04	1.74E-04	3.49E-04	1.71E-04	1.70E-04	3.41E-04	1.69E-04	1.67E-04	3.36E-04
1511	495361.06, 3858551.99	0.00421	0.00417	6.60E-04	6.81E-04	6.21E-04	6.36E-04	6.00E-04	1.75E-04	1.73E-04	3.48E-04	1.70E-04	1.69E-04	3.39E-04	1.68E-04	1.67E-04	3.35E-04
1512	495411.06, 3858551.99	0.0042	0.00416	6.58E-04	6.79E-04	6.20E-04	6.35E-04	5.99E-04	1.74E-04	1.73E-04	3.47E-04	1.70E-04	1.68E-04	3.38E-04	1.68E-04	1.66E-04	3.34E-04
1513	495461.06, 3858551.99	0.00418	0.00414	6.55E-04	6.76E-04	6.17E-04	6.32E-04	5.96E-04	1.73E-04	1.72E-04	3.45E-04	1.69E-04	1.68E-04	3.37E-04	1.67E-04	1.65E-04	3.32E-04
1514	495511.06, 3858551.99	0.00417	0.00413	6.53E-04	6.74E-04	6.15E-04	6.30E-04	5.95E-04	1.73E-04	1.71E-04	3.44E-04	1.69E-04	1.67E-04	3.36E-04	1.67E-04	1.65E-04	3.32E-04
1515	495561.06, 3858551.99	0.00415	0.00412	6.50E-04	6.73E-04	6.12E-04	6.27E-04	5.92E-04	1.72E-04	1.71E-04	3.43E-04	1.68E-04	1.67E-04	3.35E-04	1.66E-04	1.65E-04	3.30E-04
1516	495611.06, 3858551.99	0.00414	0.0041	6.49E-04	6.69E-04	6.11E-04	6.26E-04	5.90E-04	1.72E-04	1.70E-04	3.42E-04	1.68E-04	1.66E-04	3.34E-04	1.65E-04	1.64E-04	3.29E-04
1517	495661.06, 3858551.99	0.00412	0.00408	6.45E-04	6.66E-04	6.08E-04	6.23E-04	5.87E-04	1.71E-04	1.69E-04	3.40E-04	1.67E-04	1.65E-04	3.32E-04	1.65E-04	1.63E-04	3.28E-04
1518	494311.06, 3858601.99	0.00486	0.0048	7.61E-04	7.83E-04	7.17E-04	7.35E-04	6.93E-04	2.02E-04	1.99E-04	4.01E-04	1.97E-04	1.94E-04	3.91E-04	1.94E-04	1.92E-04	3.86E-04
1519	494361.06, 3858601.99	0.00493	0.00488	7.72E-04	7.97E-04	7.28E-04	7.45E-04	7.03E-04	2.05E-04	2.02E-04	4.07E-04	2.00E-04	1.98E-04	3.97E-04	1.97E-04	1.95E-04	3.92E-04
1520	494411.06, 3858601.99	0.005	0.00495	7.83E-04	8.08E-04	7.38E-04	7.56E-04	7.13E-04	2.07E-04	2.05E-04	4.13E-04	2.02E-04	2.00E-04	4.03E-04	2.00E-04	1.98E-04	3.97E-04
1521	494461.06, 3858601.99	0.00497	0.00493	7.79E-04	8.05E-04	7.34E-04	7.51E-04	7.09E-04	2.06E-04	2.05E-04	4.11E-04	2.01E-04	2.00E-04	4.01E-04	1.99E-04	1.97E-04	3.95E-04
1522	494511.06, 3858601.99	0.00492	0.00489	7.71E-04	7.98E-04	7.26E-04	7.44E-04	7.02E-04	2.04E-04	2.03E-04	4.07E-04	1.99E-04	1.98E-04	3.97E-04	1.97E-04	1.95E-04	3.92E-04
1523	494561.06, 3858601.99	0.00492	0.00488	7.71E-04	7.97E-04	7.26E-04	7.44E-04	7.02E-04	2.04E-04	2.02E-04	4.07E-04	1.99E-04	1.98E-04	3.97E-04	1.97E-04	1.95E-04	3.91E-04
1524	494611.06, 3858601.99	0.00488	0.00484	7.64E-04	7.90E-04	7.20E-04	7.38E-04	6.96E-04	2.02E-04	2.01E-04	4.03E-04	1.98E-04	1.96E-04	3.94E-04	1.95E-04	1.93E-04	3.88E-04
1525	494661.06, 3858601.99	0.00484	0.0048	7.58E-04	7.83E-04	7.14E-04	7.32E-04	6.90E-04	2.01E-04	1.99E-04	4.00E-04	1.96E-04	1.94E-04	3.90E-04	1.93E-04	1.92E-04	3.85E-04
1526	494711.06, 3858601.99	0.0048	0.00476	7.52E-04	7.77E-04	7.08E-04	7.26E-04	6.84E-04	1.99E-04	1.97E-04	3.97E-04	1.94E-04	1.93E-04	3.87E-04	1.92E-04	1.90E-04	3.82E-04
1527	494761.06, 3858601.99	0.00475	0.00472	7.44E-04	7.70E-04	7.01E-04	7.18E-04	6.77E-04	1.97E-04	1.96E-04	3.93E-04	1.92E-04	1.91E-04	3.83E-04	1.90E-04	1.89E-04	3.78E-04
1528	494811.06, 3858601.99	0.00469	0.00466	7.35E-04	7.61E-04	6.92E-04	7.09E-04	6.69E-04	1.95E-04	1.93E-04	3.88E-04	1.90E-04	1.89E-04	3.79E-04	1.87E-04	1.86E-04	3.74E-04
1529	494861.06, 3858601.99	0.00465	0.00462	7.28E-04	7.54E-04	6.86E-04	7.03E-04	6.63E-04	1.93E-04	1.92E-04	3.85E-04	1.88E-04	1.87E-04	3.75E-04	1.86E-04	1.85E-04	3.70E-04
1530	494911.06, 3858601.99	0.0046	0.00456	7.21E-04	7.44E-04	6.79E-04	6.95E-04	6.56E-04	1.91E-04	1.89E-04	3.80E-04	1.86E-04	1.85E-04	3.71E-04	1.84E-04	1.82E-04	3.66E-04
1531	494961.06, 3858601.99	0.00455	0.00452	7.13E-04	7.38E-04	6.72E-04	6.88E-04	6.49E-04	1.89E-04	1.88E-04	3.76E-04	1.84E-04	1.83E-04	3.67E-04	1.82E-04	1.81E-04	3.62E-04
1532	495011.06, 3858601.99	0.00451	0.00448	7.06E-04	7.31E-04	6.66E-04	6.82E-04	6.43E-04	1.87E-04	1.86E-04	3.73E-04	1.83E-04	1.81E-04	3.64E-04	1.80E-04	1.79E-04	3.59E-04
1533	495061.06, 3858601.99	0.00447	0.00443	7.00E-04	7.23E-04	6.60E-04	6.76E-04	6.37E-04	1.85E-04	1.84E-04	3.69E-04	1.81E-04	1.79E-04	3.60E-04	1.79E-04	1.77E-04	3.56E-04
1534	495111.06, 3858601.99	0.00441	0.00437	6.91E-04	7.13E-04	6.51E-04	6.67E-04	6.29E-04	1.83E-04	1.81E-04	3.64E-04	1.79E-04	1.77E-04	3.55E-04	1.76E-04	1.75E-04	3.51E-04
1535	495161.06, 3858601.99	0.00438	0.00434	6.86E-04	7.08E-04	6.46E-04	6.62E-04	6.25E-04	1.82E-04	1.80E-04	3.62E-04	1.77E-04	1.76E-04	3.53E-04	1.75E-04	1.73E-04	3.48E-04
1536	495211.06, 3858601.99	0.00435	0.00431	6.81E-04	7.04E-04	6.42E-04	6.58E-04	6.20E-04	1.80E-04	1.79E-04	3.59E-04	1.76E-04	1.74E-04	3.51E-04	1.74E-04	1.72E-04	3.46E-04
1537	495261.06, 3858601.99	0.00432	0.00429	6.77E-04	7.00E-04	6.38E-04	6.53E-04	6.16E-04	1.79E-04	1.78E-04	3.57E-04	1.75E-04	1.74E-04	3.49E-04	1.73E-04	1.71E-04	3.44E-04
1538	495311.06, 3858601.99	0.0043	0.00426	6.74E-04	6.95E-04	6.35E-04	6.50E-04	6.13E-04	1.78E-04	1.77E-04	3.55E-04	1.74E-04	1.72E-04	3.47E-04	1.72E-04	1.70E-04	3.42E-04
1539	495361.06, 3858601.99	0.00428	0.00425	6.70E-04	6.94E-04	6.32E-04	6.47E-04	6.10E-04	1.78E-04	1.76E-04	3.54E-04	1.73E-04	1.72E-04	3.45E-04	1.71E-04	1.70E-04	3.41E-04
1540	495411.06, 3858601.99	0.00427	0.00423	6.69E-04	6.90E-04	6.30E-04	6.45E-04	6.09E-04	1.77E-04	1.75E-04	3.53E-04	1.73E-04	1.71E-04	3.44E-04	1.71E-04	1.69E-04	3.40E-04
1541	495461.06, 3858601.99	0.00425	0.00422	6.66E-04	6.89E-04	6.27E-04	6.42E-04	6.06E-04	1.76E-04	1.75E-04	3.51E-04	1.72E-04	1.71E-04	3.43E-04	1.70E-04	1.69E-04	3.38E-04
1542	495511.06, 3858601.99	0.00423	0.0042	6.63E-04	6.86E-04	6.24E-04	6.39E-04	6.03E-04	1.75E-04	1.74E-04	3.50E-04	1.71E-04	1.70E-04	3.41E-04	1.69E-04	1.68E-04	3.37E-04
1543	495561.06, 3858601.99	0.00422	0.00419	6.61E-04	6.84E-04	6.23E-04	6.38E-04	6.02E-04	1.75E-04	1.74E-04	3.49E-04	1.71E-04	1.70E-04	3.40E-04	1.69E-04	1.67E-04	3.36E-04
1544	495611.06, 3858601.99	0.0042	0.00417	6.58E-04	6.81E-04	6.20E-04	6.35E-04	5.99E-04	1.74E-04	1.73E-04	3.47E-04	1.70E-04	1.69E-04	3.39E-04	1.68E-04	1.67E-04	3.34E-04
1545	495661.06, 3858601.99	0.00418	0.00415	6.55E-04	6.77E-04	6.17E-04	6.32E-04	5.96E-04	1.73E-04	1.72E-04	3.46E-04	1.69E-04	1.68E-04	3.37E-04	1.67E-04	1.66E-04	3.33E-04
1546	494311.06, 3858651.99	0.00492	0.00486	7.71E-04	7.93E-04	7.26E-04	7.44E-04	7.02E-04	2.04E-04	2.02E-04	4.06E-04	1.99E-04	1.97E-04	3.96E-04	1.97E-04	1.94E-04	3.91E-04
1547	494361.06, 3858651.99	0.00499	0.00494	7.82E-04	8.06E-04	7.36E-04	7.54E-04	7.11E-04	2.07E-04	2.05E-04	4.12E-04	2.02E-04	2.00E-04	4.02E-04	1.99E-04	1.97E-04	3.97E-04
1548	494411.06, 3858651.99	0.00508	0.00505	7.96E-04	8.24E-04	7.50E-04	7.68E-04	7.24E-04	2.11E-04	2.10E-04	4.20E-04	2.06E-04	2.04E-04	4.10E-04	2.03E-04	2.02E-04	4.05E-04
1549	494461.06, 3858651.99	0.00509	0.00505	7.97E-04	8.24E-04	7.51E-04	7.69E-04	7.26E-04	2.11E-04	2.10E-04	4.21E-04	2.06E-04	2.04E-04	4.11E-04	2.03E-04	2.02E-04	4.05E-04
1550	494511.06, 3858651.99	0.00506	0.00502	7.93E-04	8.19E-04	7.47E-04	7.65E-04	7.21E-04	2.10E-04	2.08E-04	4.18E-04	2.05E-04	2.03E-04	4.08E-04	2.02E-04	2.01E-04	4.03E-04
1551	494561.06, 3858651.99	0.00503	0.00499	7.88E-04	8.15E-04	7.42E-04	7.60E-04	7.17E-04	2.09E-04	2.07E-04	4.16E-04	2.04E-04	2.02E-04	4.06E-04	2.01E-04	1.99E-04	4.00E-04
1552	494611.06, 3858651.99	0.005	0.00496	7.83E-04	8.10E-04	7.38E-04	7.56E-04	7.13E-04	2.07E-04	2.06E-04	4.13E-04	2.02E-04	2.01E-04	4.03E-04	2.00E-04	1.98E-04	3.98E-04
1553	494661.06, 3858651.99	0.00495	0.00492	7.75E-04	8.03E-04	7.31E-04	7.48E-04	7.06E-04	2.05E-04	2.04E-04	4.09E-04	2.00E-04	1.99E-04	4.00E-04	1.98E-04	1.97E-04	3.94E-04
1554	494711.06, 3858651.99	0.0049	0.00487	7.68E-04	7.95E-04	7.23E-04	7.41E-04	6.99E-04	2.03E-04	2.02E-04	4.05E-04	1.98E-04	1.97E-04	3.96E-04	1.96E-04	1.95E-04	3.90E-04
1555	494761.06, 3858651.99	0.00486	0.00482	7.61E-04	7.87E-04	7.17E-04	7.35E-04	6.93E-04	2.02E-04	2.00E-04	4.02E-04	1.97E-04	1.95E-04	3.92E-04	1.94E-04	1.93E-04	3.87E-04
1556	494811.06, 3858651.99	0.0048	0.00477	7.52E-04	7.79E-04	7.08E-04	7.26E-04	6.84E-04	1.99E-04	1.98E-04	3.97E-04	1.94E-04	1.93E-04	3.87E-04	1.92E-04	1.91E-04	3.82E-04
1557	494861.06, 3858651.99	0.00475	0.00471	7.44E-04	7.69E-04	7.01E-04	7.18E-04	6.77E-04	1.97E-04	1.95E-04	3.92E-04	1.92E-04	1.91E-04	3.83E-04	1.90E-04	1.88E-04	3.78E-04
1558	494911.06, 3858651.99	0.00469	0.00466	7.35E-04	7.61E-04	6.92E-04	7.09E-04	6.69E-04	1.95E-04	1.93E-04	3.88E-04	1.90E-04	1.89E-04	3.79E-04	1.87E-04	1.86E-04	3.74E-04
1559	494961.06, 3858651.99	0.00464	0.0046	7.27E-04	7.51E-04	6.85E-04	7.01E-04	6.62E-04	1.93E-04	1.91E-04	3.83E-04	1.88E-04	1.86E-04	3.74E-04	1.85E-04	1.84E-04	3.69E-04
1560	495011.06, 3858651.99	0.0046	0.00456	7.21E-04	7.44E-04	6.79E-04	6.95E-04	6.56E-04	1.91E-04	1.89E-04	3.80E-04	1.86E-04	1.85E-04	3.71E-04	1.84E-04	1.82E-04	3.66E-04
1561	495061.06, 3858651.99	0.00455	0.00452	7.13E-04	7.38E-04	6.72E-04	6.88E-04	6.49E-04	1.89E-04	1.88E-04	3.76E-04	1.84E-04	1.83E-04	3.67E-04	1.82E-04	1.81E-04	3.62E-04
1562	495111.06, 3858651.99	0.0045	0.00446	7.05E-04	7.28E-04	6.64E-04	6.80E-04	6.42E-04	1.87E-04	1.85E-04	3.72E-04	1.82E-04	1.81E-04	3.63E-04	1.80E-04	1.78E-04	3.58E-04
1563	495161.06, 3858651.99	0.00446	0.00443	6.99E-04	7.23E-04	6.58E-04	6.74E-04	6.36E-04	1.85E-04	1.84E-04	3.69E-04	1.81E-04	1.79E-04	3.60E-04	1.78E-04	1.77E-04	3.55E-04
1564	495211.06, 3858651.99	0.00442	0.00439	6.92E-04	7.17E-04	6.52E-04	6.68E-04	6.30E-04	1.83E-04	1.82E-04	3.66E-04	1.79E-04	1.78E-04	3.57E-04	1.77E-04	1.75E-04	3.52E-04
1565	495261.06, 3858651.99	0.0044	0.00437	6.89E-04	7.13E-04	6.49E-04	6.65E-04	6.27E-04	1.83E-04	1.81E-04	3.64E-04	1.78E-04	1.77E-04	3.55E-04	1.76E-04	1.75E-04	3.50E-04
1566	495311.06, 3858651.99	0.00438	0.00435	6.86E-04	7.10E-04	6.46E-04	6.62E-04	6.25E-04	1.82E-04	1.80E-04	3.62E-04	1.77E-04	1.76E-04	3.53E-04	1.75E-04	1.74E-04	3.49E-04
1567	495361.06, 3858651.99	0.00436	0.00433	6.83E-04	7.07E-04	6.43E-04	6.59E-04	6.22E-04	1.81E-04	1.80E-04	3.61E-04	1.77E-04	1.75E-04	3.52E-04	1.74E-04	1.73E-04	3.47E-04
1568	495411.06, 3858651.99	0.00435	0.00432	6.81E-04	7.05E-04	6.42E-04	6.58E-04	6.20E-04	1.80E-04	1.79E-04	3.60E-04	1.76E-04	1.75E-04	3.51E-04	1.74E-04	1.73E-04	3.46E-04
1569	495461.06, 3858651.99	0.00434	0.00431	6.80E-04	7.04E-04	6.41E-04	6.56E-04	6.19E-04	1.80E-04	1.79E-04	3.59E-04	1.76E-04	1.74E-04	3.50E-04	1.73E-04	1.72E-04	3.46E-04
1570	495511.06, 3858651.99	0.00431	0.00428	6.75E-04	6.99E-04	6.36E-04	6.52E-04	6.15E-04	1.79E-04	1.78E-04	3.56E-04	1.74E-04	1.73E-04	3.48E-04	1.72E-04	1.71E-04	3.43E-04
1571	495561.06, 3858651.99	0.00429	0.00426	6.72E-04	6.95E-04	6.33E-04	6.48E-04	6.12E-04	1.78E-04	1.77E-04	3.55E-04	1.74E-04	1.72E-04	3.46E-04	1.71E-04	1.70E-04	3.42E-04
1572	495611.06, 3858651.99	0.00426	0.00424	6.67E-04	6.92E-04	6.29E-04	6.44E-04	6.07E-04	1.77E-04	1.76E-04	3.53E-04	1.72E-04	1.72E-04	3.44E-04	1.70E-04	1.69E-04	3.40E-04
1573	495661.06, 3858651.99	0.00425	0.00422	6.66E-04	6.89E-04	6.27E-04	6.42E-04	6.06E-04	1.76E-04	1.75E-04	3.51E-04	1.72E-04	1.71E-04	3.43E-04	1.70E-04	1.69E-04	3.38E-04
1574	494311.06, 3858701.99	0.00504	0.00498	7.90E-04	8.13E-04	7.44E-04	7.62E-04	7.19E-04	2.09E-04	2.07E-04	4.16E-04	2.04E-04	2.02E-04	4.06E-04	2.01E-04	1.99E-04	4.00E-04
1575	494361.06, 3858701.99	0.00514	0.0051	8.05E-04	8.32E-04	7.59E-04	7.77E-04	7.33E-04	2.13E-04	2.12E-04	4.25E-04	2.08E-04	2.06E-04	4.15E-04	2.05E-04	2.04E-04	4.09E-04
1576	494411.06, 3858701.99	0.0052	0.00517	8.15E-04	8.44E-04	7.67E-04	7.86E-04	7.41E-04	2.16E-04	2.14E-04	4.30E-04	2.11E-04	2.09E-04	4.20E-04	2.08E-04	2.07E-04	4.14E-04
1577	494461.06, 3858701.99	0.00518	0.00515	8.11E-04	8.41E-04	7.65E-04	7.83E-04	7.39E-04	2.15E-04	2.14E-04	4.29E-04	2.10E-04	2.08E-04	4.18E-04	2.07E-04	2.06E-04	4.13E-04
1578	494511.06, 3858701.99	0.00518	0.00514	8.11E-04	8.39E-04	7.65E-04	7.83E-04	7.39E-04	2.15E-04	2.13E-04	4.28E-04	2.10E-04	2.08E-04	4.18E-04	2.07E-04	2.05E-04	4.12E-04
1579	494561.06, 3858701.99	0.00514	0.00511	8.05E-04	8.34E-04	7.59E-04	7.77E-04	7.33E-04	2.13E-04	2.12E-04	4.25E-04	2.08E-04	2.07E-04	4.15E-04	2.05E-04	2.04E-04	4.09E-04
1580	494611.06, 3858701.99	0.00508	0.00505	7.96E-04	8.24E-04	7.50E-04	7.68E-04	7.24E-04	2.11E-04	2.10E-04	4.20E-04	2.06E-04	2.04E-04	4.10E-04	2.03E-04	2.02E-04	4.05E-04
1581	494661.06, 3858701.99	0.00506	0.00503	7.93E-04	8.21E-04	7.47E-04	7.65E-04	7.21E-04	2.10E-04	2.09E-04	4.19E-04	2.05E-04	2.04E-04	4.08E-04	2.02E-04	2.01E-04	4.03E-04
1582	494711.06, 3858701.99	0.00494	0.00491	7.74E-04	8.01E-04	7.29E-04	7.47E-04	7.04E-04	2.05E-04	2.04E-04	4.09E-04	2.00E-04	1.99E-04	3.99E-04	1.97E-04	1.96E-04	3.93E-04
1583	494761.06, 3858701.99	0.00495	0.00492	7.75E-04	8.03E-04	7.31E-04	7.48E-04	7.06E-04	2.05E-04	2.04E-04	4.09E-04	2.00E-04	1.99E-04	4.00E-04	1.98E-04	1.97E-04	3.94E-04
1584	494811.06, 3858701.99	0.00489	0.00485	7.66E-04	7.92E-04	7.22E-04	7.39E-04	6.97E-04	2.03E-04	2.01E-04	4.04E-04	1.98E-04	1.96E-04	3.94E-04	1.95E-04	1.94E-04	3.89E-04
1585	494861.06, 3858701.99	0.00484	0.00481	7.58E-04	7.85E-04	7.14E-04	7.32E-04	6.90E-04	2.01E-04	2.00E-04	4.00E-04	1.96E-04	1.95E-04	3.91E-04	1.93E-04	1.92E-04	3.85E-04
1586	494911.06, 3858701.99	0.0048	0.00476	7.52E-04	7.77E-04	7.08E-04	7.26E-04	6.84E-04	1.99E-04	1.97E-04	3.97E-04	1.94E-04	1.93E-04	3.87E-04	1.92E-04	1.90E-04	3.82E-04
1587	494961.06, 3858701.99	0.00472	0.00469	7.39E-04	7.66E-04	6.97E-04	7.13E-04	6.73E-04	1.96E-04	1.95E-04	3.90E-04	1.91E-04	1.90E-04	3.81E-04	1.89E-04	1.87E-04	3.76E-04
1588	495011.06, 3858701.99	0.00467	0.00463	7.32E-04	7.56E-04	6.89E-04	7.06E-04	6.66E-04	1.94E-04	1.92E-04	3.86E-04	1.89E-04	1.87E-04	3.77E-04	1.87E-04	1.85E-04	3.72E-04
1589	495061.06, 3858701.99	0.00464	0.00461	7.27E-04	7.52E-04	6.85E-04	7.01E-04	6.62E-04	1.93E-04	1.91E-04	3.84E-04	1.88E-04	1.87E-04	3.74E-04	1.85E-04	1.84E-04	3.70E-04
1590	495111.06, 3858701.99	0.00458	0.00455	7.17E-04	7.43E-04	6.76E-04	6.92E-04	6.53E-04	1.90E-04	1.89E-04	3.79E-04	1.85E-04	1.84E-04	3.70E-04	1.83E-04	1.82E-04	3.65E-04
1591	495161.06, 3858701.99	0.00455	0.00451	7.13E-04	7.36E-04	6.72E-04	6.88E-04	6.49E-04	1.89E-04	1.87E-04	3.76E-04	1.84E-04	1.83E-04	3.67E-04	1.82E-04	1.80E-04	3.62E-04
1592	495211.06, 3858701.99	0.00451	0.00447	7.06E-04	7.30E-04	6.66E-04	6.82E-04	6.43E-04	1.87E-04	1.85E-04	3.73E-04	1.83E-04	1.81E-04	3.64E-04	1.80E-04	1.79E-04	3.59E-04
1593	495261.06, 3858701.99	0.00449	0.00446	7.03E-04	7.28E-04	6.63E-04	6.79E-04	6.40E-04	1.86E-04	1.85E-04	3.71E-04	1.82E-04	1.81E-04	3.62E-04	1.79E-04	1.78E-04	3.58E-04
1594	495311.06, 3858701.99	0.00447	0.00444	7.00E-04	7.25E-04	6.60E-04	6.76E-04	6.37E-04	1.85E-04	1.84E-04	3.70E-04	1.81E-04	1.80E-04	3.61E-04	1.79E-04	1.77E-04	3.56E-04
1595	495361.06, 3858701.99	0.00445	0.00442	6.97E-04	7.21E-04	6.57E-04	6.73E-04	6.35E-04	1.85E-04	1.83E-04	3.68E-04	1.80E-04	1.79E-04	3.59E-04	1.78E-04	1.77E-04	3.54E-04
1596	495411.06, 3858701.99	0.00444	0.00441	6.96E-04	7.20E-04	6.55E-04	6.71E-04	6.33E-04	1.84E-04	1.83E-04	3.67E-04	1.80E-04	1.79E-04	3.58E-04	1.77E-04	1.76E-04	3.54E-04
1597	495461.06, 3858701.99	0.00442	0.00439	6.92E-04	7.17E-04	6.52E-04	6.68E-04	6.30E-04	1.83E-04	1.82E-04	3.66E-04	1.79E-04	1.78E-04	3.57E-04	1.77E-04	1.75E-04	3.52E-04
1598	495511.06, 3858701.99	0.00439	0.00437	6.88E-04	7.13E-04	6.48E-04	6.64E-04	6.26E-04	1.82E-04	1.81E-04	3.63E-04	1.78E-04	1.77E-04	3.55E-04	1.75E-04	1.75E-04	3.50E-04
1599	495561.06, 3858701.99	0.00437	0.00434	6.85E-04	7.08E-04	6.45E-04	6.61E-04	6.23E-04	1.81E-04	1.80E-04	3.61E-04	1.77E-04	1.76E-04	3.53E-04	1.75E-04	1.73E-04	3.48E-04
1600	495611.06, 3858701.99	0.00434	0.00432	6.80E-04	7.05E-04	6.41E-04	6.56E-04	6.19E-04	1.80E-04	1.79E-04	3.59E-04	1.76E-04	1.75E-04	3.51E-04	1.73E-04	1.73E-04	3.46E-04
1601	495661.06, 3858701.99	0.00432	0.0043	6.77E-04	7.02E-04	6.38E-04	6.53E-04	6.16E-04	1.79E-04	1.78E-04	3.58E-04	1.75E-04	1.74E-04	3.49E-04	1.73E-04	1.72E-04	3.44E-04
1602	494311.06, 3858751.99	0.00515	0.0051	8.07E-04	8.32E-04	7.60E-04	7.78E-04	7.34E-04	2.14E-04	2.12E-04	4.25E-04	2.08E-04	2.06E-04	4.15E-04	2.06E-04	2.04E-04	4.09E-04
1603	494361.06, 3858751.99	0.00529	0.00525	8.29E-04	8.57E-04	7.81E-04	8.00E-04	7.54E-04	2.19E-04	2.18E-04	4.37E-04	2.14E-04	2.13E-04	4.27E-04	2.11E-04	2.10E-04	4.21E-04
1604	494411.06, 3858751.99	0.00534	0.0053	8.37E-04	8.65E-04	7.88E-04	8.07E-04	7.61E-04	2.22E-04	2.20E-04	4.41E-04	2.16E-04	2.15E-04	4.31E-04	2.13E-04	2.12E-04	4.25E-04
1605	494461.06, 3858751.99	0.00531	0.00528	8.32E-04	8.62E-04	7.84E-04	8.03E-04	7.57E-04	2.20E-04	2.19E-04	4.39E-04	2.15E-04	2.14E-04	4.29E-04	2.12E-04	2.11E-04	4.23E-04
1606	494511.06, 3858751.99	0.00532	0.00528	8.33E-04	8.62E-04	7.85E-04	8.04E-04	7.59E-04	2.21E-04	2.19E-04	4.40E-04	2.15E-04	2.14E-04	4.29E-04	2.13E-04	2.11E-04	4.23E-04
1607	494561.06, 3858751.99	0.00525	0.00522	8.22E-04	8.52E-04	7.75E-04	7.94E-04	7.49E-04	2.18E-04	2.17E-04	4.34E-04	2.13E-04	2.11E-04	4.24E-04	2.10E-04	2.09E-04	4.18E-04
1608	494611.06, 3858751.99	0.0052	0.00517	8.15E-04	8.44E-04	7.67E-04	7.86E-04	7.41E-04	2.16E-04	2.14E-04	4.30E-04	2.11E-04	2.09E-04	4.20E-04	2.08E-04	2.07E-04	4.14E-04
1609	494661.06, 3858751.99	0.00515	0.00512	8.07E-04	8.36E-04	7.60E-04	7.78E-04	7.34E-04	2.14E-04	2.12E-04	4.26E-04	2.08E-04	2.07E-04	4.16E-04	2.06E-04	2.05E-04	4.10E-04
1610	494711.06, 3858751.99	0.00508	0.00505	7.96E-04	8.24E-04	7.50E-04	7.68E-04	7.24E-04	2.11E-04	2.10E-04	4.20E-04	2.06E-04	2.04E-04	4.10E-04	2.03E-04	2.02E-04	4.05E-04
1611	494761.06, 3858751.99	0.00506	0.00502	7.93E-04	8.19E-04	7.47E-04	7.65E-04	7.21E-04	2.10E-04	2.08E-04	4.18E-04	2.05E-04	2.03E-04	4.08E-04	2.02E-04	2.01E-04	4.03E-04
1612	494811.06, 3858751.99	0.00499	0.00496	7.82E-04	8.10E-04	7.36E-04	7.54E-04	7.11E-04	2.07E-04	2.06E-04	4.13E-04	2.02E-04	2.01E-04	4.03E-04	1.99E-04	1.98E-04	3.97E-04
1613	494861.06, 3858751.99	0.00493	0.0049	7.72E-04	8.00E-04	7.28E-04	7.45E-04	7.03E-04	2.05E-04	2.03E-04	4.08E-04	2.00E-04	1.98E-04	3.98E-04	1.97E-04	1.96E-04	3.93E-04
1614	494911.06, 3858751.99	0.00487	0.00483	7.63E-04	7.88E-04	7.19E-04	7.36E-04	6.94E-04	2.02E-04	2.00E-04	4.02E-04	1.97E-04	1.96E-04	3.93E-04	1.95E-04	1.93E-04	3.87E-04
1615	494961.06, 3858751.99	0.00482	0.00479	7.55E-04	7.82E-04	7.11E-04	7.29E-04	6.87E-04	2.00E-04	1.99E-04	3.99E-04	1.95E-04	1.94E-04	3.89E-04	1.93E-04	1.91E-04	3.84E-04
1616	495011.06, 3858751.99	0.00478	0.00475	7.49E-04	7.75E-04	7.05E-04	7.23E-04	6.82E-04	1.98E-04	1.97E-04	3.95E-04	1.94E-04	1.92E-04	3.86E-04	1.91E-04	1.90E-04	3.81E-04
1617	495061.06, 3858751.99	0.00473	0.0047	7.41E-04	7.67E-04	6.98E-04	7.15E-04	6.74E-04	1.96E-04	1.95E-04	3.91E-04	1.91E-04	1.90E-04	3.82E-04	1.89E-04	1.88E-04	3.77E-04
1618	495111.06, 3858751.99	0.00468	0.00465	7.33E-04	7.59E-04	6.91E-04	7.07E-04	6.67E-04	1.94E-04	1.93E-04	3.87E-04	1.89E-04	1.88E-04	3.78E-04	1.87E-04	1.86E-04	3.73E-04
1619	495161.06, 3858751.99	0.00464	0.00461	7.27E-04	7.52E-04	6.85E-04	7.01E-04	6.62E-04	1.93E-04	1.91E-04	3.84E-04	1.88E-04	1.87E-04	3.74E-04	1.85E-04	1.84E-04	3.70E-04
1620	495211.06, 3858751.99	0.0046	0.00457	7.21E-04	7.46E-04	6.79E-04	6.95E-04	6.56E-04	1.91E-04	1.90E-04	3.80E-04	1.86E-04	1.85E-04	3.71E-04	1.84E-04	1.83E-04	3.66E-04

1621	495261.06, 3858751.99	0.00458	0.00455	7.17E-04	7.43E-04	6.76E-04	6.92E-04	6.53E-04	1.90E-04	1.89E-04	3.79E-04	1.85E-04	1.84E-04	3.70E-04	1.83E-04	1.82E-04	3.65E-04
1622	495311.06, 3858751.99	0.00456	0.00453	7.14E-04	7.39E-04	6.73E-04	6.89E-04	6.50E-04	1.89E-04	1.88E-04	3.77E-04	1.85E-04	1.83E-04	3.68E-04	1.82E-04	1.81E-04	3.63E-04
1623	495361.06, 3858751.99	0.00454	0.00451	7.11E-04	7.36E-04	6.70E-04	6.86E-04	6.47E-04	1.88E-04	1.87E-04	3.75E-04	1.84E-04	1.83E-04	3.66E-04	1.81E-04	1.80E-04	3.62E-04
1624	495411.06, 3858751.99	0.00453	0.0045	7.10E-04	7.35E-04	6.69E-04	6.85E-04	6.46E-04	1.88E-04	1.87E-04	3.75E-04	1.83E-04	1.82E-04	3.66E-04	1.81E-04	1.80E-04	3.61E-04
1625	495461.06, 3858751.99	0.00451	0.00448	7.06E-04	7.31E-04	6.66E-04	6.82E-04	6.43E-04	1.87E-04	1.86E-04	3.73E-04	1.83E-04	1.81E-04	3.64E-04	1.80E-04	1.79E-04	3.59E-04
1626	495511.06, 3858751.99	0.00448	0.00446	7.02E-04	7.28E-04	6.61E-04	6.77E-04	6.39E-04	1.86E-04	1.85E-04	3.71E-04	1.81E-04	1.81E-04	3.62E-04	1.79E-04	1.78E-04	3.57E-04
1627	495561.06, 3858751.99	0.00445	0.00443	6.97E-04	7.23E-04	6.57E-04	6.73E-04	6.35E-04	1.85E-04	1.84E-04	3.68E-04	1.80E-04	1.79E-04	3.60E-04	1.78E-04	1.77E-04	3.55E-04
1628	495611.06, 3858751.99	0.00442	0.0044	6.92E-04	7.18E-04	6.52E-04	6.68E-04	6.30E-04	1.83E-04	1.83E-04	3.66E-04	1.79E-04	1.78E-04	3.57E-04	1.77E-04	1.76E-04	3.52E-04
1629	495661.06, 3858751.99	0.0044	0.00438	6.89E-04	7.15E-04	6.49E-04	6.65E-04	6.27E-04	1.83E-04	1.82E-04	3.64E-04	1.78E-04	1.77E-04	3.55E-04	1.76E-04	1.75E-04	3.51E-04
1630	494311.06, 3858801.99	0.00531	0.00526	8.32E-04	8.59E-04	7.84E-04	8.03E-04	7.57E-04	2.20E-04	2.18E-04	4.39E-04	2.15E-04	2.13E-04	4.28E-04	2.12E-04	2.10E-04	4.22E-04
1631	494361.06, 3858801.99	0.00544	0.0054	8.52E-04	8.81E-04	8.03E-04	8.22E-04	7.76E-04	2.26E-04	2.24E-04	4.50E-04	2.20E-04	2.19E-04	4.39E-04	2.17E-04	2.16E-04	4.33E-04
1632	494411.06, 3858801.99	0.00545	0.00541	8.54E-04	8.83E-04	8.04E-04	8.24E-04	7.77E-04	2.26E-04	2.24E-04	4.51E-04	2.21E-04	2.19E-04	4.40E-04	2.18E-04	2.16E-04	4.34E-04
1633	494461.06, 3858801.99	0.00545	0.00541	8.54E-04	8.83E-04	8.04E-04	8.24E-04	7.77E-04	2.26E-04	2.24E-04	4.51E-04	2.21E-04	2.19E-04	4.40E-04	2.18E-04	2.16E-04	4.34E-04
1634	494511.06, 3858801.99	0.00545	0.00542	8.54E-04	8.85E-04	8.04E-04	8.24E-04	7.77E-04	2.26E-04	2.25E-04	4.51E-04	2.21E-04	2.19E-04	4.40E-04	2.18E-04	2.17E-04	4.34E-04
1635	494561.06, 3858801.99	0.00542	0.00538	8.49E-04	8.78E-04	8.00E-04	8.19E-04	7.73E-04	2.25E-04	2.23E-04	4.48E-04	2.19E-04	2.18E-04	4.37E-04	2.17E-04	2.15E-04	4.31E-04
1636	494611.06, 3858801.99	0.00537	0.00534	8.41E-04	8.72E-04	7.93E-04	8.12E-04	7.66E-04	2.23E-04	2.22E-04	4.44E-04	2.17E-04	2.16E-04	4.34E-04	2.15E-04	2.13E-04	4.28E-04
1637	494661.06, 3858801.99	0.00531	0.00527	8.32E-04	8.60E-04	7.84E-04	8.03E-04	7.57E-04	2.20E-04	2.19E-04	4.39E-04	2.15E-04	2.13E-04	4.28E-04	2.12E-04	2.11E-04	4.23E-04
1638	494711.06, 3858801.99	0.00524	0.00521	8.21E-04	8.50E-04	7.73E-04	7.92E-04	7.47E-04	2.17E-04	2.16E-04	4.34E-04	2.12E-04	2.11E-04	4.23E-04	2.09E-04	2.08E-04	4.17E-04
1639	494761.06, 3858801.99	0.00516	0.00513	8.08E-04	8.37E-04	7.62E-04	7.80E-04	7.36E-04	2.14E-04	2.13E-04	4.27E-04	2.09E-04	2.08E-04	4.17E-04	2.06E-04	2.05E-04	4.11E-04
1640	494811.06, 3858801.99	0.00508	0.00505	7.96E-04	8.24E-04	7.50E-04	7.68E-04	7.24E-04	2.11E-04	2.10E-04	4.20E-04	2.06E-04	2.04E-04	4.10E-04	2.03E-04	2.02E-04	4.05E-04
1641	494861.06, 3858801.99	0.00503	0.005	7.88E-04	8.16E-04	7.42E-04	7.60E-04	7.17E-04	2.09E-04	2.07E-04	4.16E-04	2.04E-04	2.02E-04	4.06E-04	2.01E-04	2.00E-04	4.01E-04
1642	494911.06, 3858801.99	0.00497	0.00494	7.79E-04	8.06E-04	7.34E-04	7.51E-04	7.09E-04	2.06E-04	2.05E-04	4.11E-04	2.01E-04	2.00E-04	4.01E-04	1.99E-04	1.97E-04	3.96E-04
1643	494961.06, 3858801.99	0.00492	0.00489	7.71E-04	7.98E-04	7.26E-04	7.44E-04	7.02E-04	2.04E-04	2.03E-04	4.07E-04	1.99E-04	1.98E-04	3.97E-04	1.97E-04	1.95E-04	3.92E-04
1644	495011.06, 3858801.99	0.00487	0.00484	7.63E-04	7.90E-04	7.19E-04	7.36E-04	6.94E-04	2.02E-04	2.01E-04	4.03E-04	1.97E-04	1.96E-04	3.93E-04	1.95E-04	1.93E-04	3.88E-04
1645	495061.06, 3858801.99	0.00483	0.0048	7.57E-04	7.83E-04	7.13E-04	7.30E-04	6.89E-04	2.00E-04	1.99E-04	4.00E-04	1.96E-04	1.94E-04	3.90E-04	1.93E-04	1.92E-04	3.85E-04
1646	495111.06, 3858801.99	0.00477	0.00474	7.47E-04	7.74E-04	7.04E-04	7.21E-04	6.80E-04	1.98E-04	1.97E-04	3.95E-04	1.93E-04	1.92E-04	3.85E-04	1.91E-04	1.89E-04	3.80E-04
1647	495161.06, 3858801.99	0.00472	0.00469	7.39E-04	7.66E-04	6.97E-04	7.13E-04	6.73E-04	1.96E-04	1.95E-04	3.90E-04	1.91E-04	1.90E-04	3.81E-04	1.89E-04	1.87E-04	3.76E-04
1648	495211.06, 3858801.99	0.00469	0.00466	7.35E-04	7.61E-04	6.92E-04	7.09E-04	6.69E-04	1.95E-04	1.93E-04	3.88E-04	1.90E-04	1.89E-04	3.79E-04	1.87E-04	1.86E-04	3.74E-04
1649	495261.06, 3858801.99	0.00467	0.00464	7.32E-04	7.57E-04	6.89E-04	7.06E-04	6.66E-04	1.94E-04	1.93E-04	3.86E-04	1.89E-04	1.88E-04	3.77E-04	1.87E-04	1.85E-04	3.72E-04
1650	495311.06, 3858801.99	0.00465	0.00462	7.28E-04	7.54E-04	6.86E-04	7.03E-04	6.63E-04	1.93E-04	1.92E-04	3.85E-04	1.88E-04	1.87E-04	3.75E-04	1.86E-04	1.85E-04	3.70E-04
1651	495361.06, 3858801.99	0.00463	0.0046	7.25E-04	7.51E-04	6.83E-04	7.00E-04	6.60E-04	1.92E-04	1.91E-04	3.83E-04	1.87E-04	1.86E-04	3.74E-04	1.85E-04	1.84E-04	3.69E-04
1652	495411.06, 3858801.99	0.00462	0.0046	7.24E-04	7.51E-04	6.82E-04	6.98E-04	6.59E-04	1.92E-04	1.91E-04	3.83E-04	1.87E-04	1.86E-04	3.73E-04	1.85E-04	1.84E-04	3.68E-04
1653	495461.06, 3858801.99	0.0046	0.00457	7.21E-04	7.46E-04	6.79E-04	6.95E-04	6.56E-04	1.91E-04	1.90E-04	3.80E-04	1.86E-04	1.85E-04	3.71E-04	1.84E-04	1.83E-04	3.66E-04
1654	495511.06, 3858801.99	0.00457	0.00455	7.16E-04	7.43E-04	6.74E-04	6.91E-04	6.52E-04	1.90E-04	1.89E-04	3.78E-04	1.85E-04	1.84E-04	3.69E-04	1.83E-04	1.82E-04	3.64E-04
1655	495561.06, 3858801.99	0.00455	0.00452	7.13E-04	7.38E-04	6.72E-04	6.88E-04	6.49E-04	1.89E-04	1.88E-04	3.76E-04	1.84E-04	1.83E-04	3.67E-04	1.82E-04	1.81E-04	3.62E-04
1656	495611.06, 3858801.99	0.00451	0.00449	7.06E-04	7.33E-04	6.66E-04	6.82E-04	6.43E-04	1.87E-04	1.86E-04	3.73E-04	1.83E-04	1.82E-04	3.64E-04	1.80E-04	1.79E-04	3.60E-04
1657	495661.06, 3858801.99	0.00449	0.00447	7.03E-04	7.30E-04	6.63E-04	6.79E-04	6.40E-04	1.86E-04	1.85E-04	3.72E-04	1.82E-04	1.81E-04	3.63E-04	1.79E-04	1.79E-04	3.58E-04
1658	494311.06, 3858851.99	0.00557	0.00553	8.73E-04	9.03E-04	8.22E-04	8.42E-04	7.94E-04	2.31E-04	2.29E-04	4.61E-04	2.25E-04	2.24E-04	4.49E-04	2.23E-04	2.21E-04	4.43E-04
1659	494361.06, 3858851.99	0.00564	0.0056	8.84E-04	9.14E-04	8.32E-04	8.53E-04	8.04E-04	2.34E-04	2.32E-04	4.66E-04	2.28E-04	2.27E-04	4.55E-04	2.25E-04	2.24E-04	4.49E-04
1660	494411.06, 3858851.99	0.00561	0.00557	8.79E-04	9.09E-04	8.28E-04	8.48E-04	8.00E-04	2.33E-04	2.31E-04	4.64E-04	2.27E-04	2.25E-04	4.53E-04	2.24E-04	2.23E-04	4.47E-04
1661	494461.06, 3858851.99	0.00559	0.00555	8.76E-04	9.06E-04	8.25E-04	8.45E-04	7.97E-04	2.32E-04	2.30E-04	4.62E-04	2.26E-04	2.25E-04	4.51E-04	2.23E-04	2.22E-04	4.45E-04
1662	494511.06, 3858851.99	0.00559	0.00555	8.76E-04	9.06E-04	8.25E-04	8.45E-04	7.97E-04	2.32E-04	2.30E-04	4.62E-04	2.26E-04	2.25E-04	4.51E-04	2.23E-04	2.22E-04	4.45E-04
1663	494561.06, 3858851.99	0.00555	0.00551	8.69E-04	8.99E-04	8.19E-04	8.39E-04	7.91E-04	2.30E-04	2.29E-04	4.59E-04	2.25E-04	2.23E-04	4.48E-04	2.22E-04	2.20E-04	4.42E-04
1664	494611.06, 3858851.99	0.00549	0.00546	8.60E-04	8.91E-04	8.10E-04	8.30E-04	7.83E-04	2.28E-04	2.27E-04	4.54E-04	2.22E-04	2.21E-04	4.43E-04	2.19E-04	2.18E-04	4.37E-04
1665	494661.06, 3858851.99	0.00543	0.00539	8.51E-04	8.80E-04	8.01E-04	8.21E-04	7.74E-04	2.25E-04	2.24E-04	4.49E-04	2.20E-04	2.18E-04	4.38E-04	2.17E-04	2.15E-04	4.32E-04
1666	494711.06, 3858851.99	0.00534	0.00531	8.37E-04	8.67E-04	7.88E-04	8.07E-04	7.61E-04	2.22E-04	2.20E-04	4.42E-04	2.16E-04	2.15E-04	4.31E-04	2.13E-04	2.12E-04	4.25E-04
1667	494761.06, 3858851.99	0.00526	0.00523	8.24E-04	8.54E-04	7.76E-04	7.95E-04	7.50E-04	2.18E-04	2.17E-04	4.35E-04	2.13E-04	2.12E-04	4.25E-04	2.10E-04	2.09E-04	4.19E-04
1668	494811.06, 3858851.99	0.0052	0.00517	8.15E-04	8.44E-04	7.67E-04	7.86E-04	7.41E-04	2.16E-04	2.14E-04	4.30E-04	2.11E-04	2.09E-04	4.20E-04	2.08E-04	2.07E-04	4.14E-04
1669	494861.06, 3858851.99	0.00515	0.00512	8.07E-04	8.36E-04	7.60E-04	7.78E-04	7.34E-04	2.14E-04	2.12E-04	4.26E-04	2.08E-04	2.07E-04	4.16E-04	2.06E-04	2.05E-04	4.10E-04
1670	494911.06, 3858851.99	0.00508	0.00505	7.96E-04	8.24E-04	7.50E-04	7.68E-04	7.24E-04	2.11E-04	2.10E-04	4.20E-04	2.06E-04	2.04E-04	4.10E-04	2.03E-04	2.02E-04	4.05E-04
1671	494961.06, 3858851.99	0.00503	0.005	7.88E-04	8.16E-04	7.42E-04	7.60E-04	7.17E-04	2.09E-04	2.07E-04	4.16E-04	2.04E-04	2.02E-04	4.06E-04	2.01E-04	2.00E-04	4.01E-04
1672	495011.06, 3858851.99	0.00498	0.00495	7.80E-04	8.08E-04	7.35E-04	7.53E-04	7.10E-04	2.07E-04	2.05E-04	4.12E-04	2.02E-04	2.00E-04	4.02E-04	1.99E-04	1.98E-04	3.97E-04
1673	495061.06, 3858851.99	0.00493	0.0049	7.72E-04	8.00E-04	7.28E-04	7.45E-04	7.03E-04	2.05E-04	2.03E-04	4.08E-04	2.00E-04	1.98E-04	3.98E-04	1.97E-04	1.96E-04	3.93E-04
1674	495111.06, 3858851.99	0.00485	0.00482	7.60E-04	7.87E-04	7.16E-04	7.33E-04	6.92E-04	2.01E-04	2.00E-04	4.01E-04	1.96E-04	1.95E-04	3.91E-04	1.94E-04	1.93E-04	3.86E-04
1675	495161.06, 3858851.99	0.0048	0.00477	7.52E-04	7.79E-04	7.08E-04	7.26E-04	6.84E-04	1.99E-04	1.98E-04	3.97E-04	1.94E-04	1.93E-04	3.87E-04	1.92E-04	1.91E-04	3.82E-04
1676	495211.06, 3858851.99	0.00479	0.00476	7.50E-04	7.77E-04	7.07E-04	7.24E-04	6.83E-04	1.99E-04	1.97E-04	3.96E-04	1.94E-04	1.93E-04	3.87E-04	1.91E-04	1.90E-04	3.81E-04
1677	495261.06, 3858851.99	0.00477	0.00474	7.47E-04	7.74E-04	7.04E-04	7.21E-04	6.80E-04	1.98E-04	1.97E-04	3.95E-04	1.93E-04	1.92E-04	3.85E-04	1.91E-04	1.89E-04	3.80E-04
1678	495311.06, 3858851.99	0.00475	0.00472	7.44E-04	7.70E-04	7.01E-04	7.18E-04	6.77E-04	1.97E-04	1.96E-04	3.93E-04	1.92E-04	1.91E-04	3.83E-04	1.90E-04	1.89E-04	3.78E-04
1679	495361.06, 3858851.99	0.00473	0.0047	7.41E-04	7.67E-04	6.98E-04	7.15E-04	6.74E-04	1.96E-04	1.95E-04	3.91E-04	1.91E-04	1.90E-04	3.82E-04	1.89E-04	1.88E-04	3.77E-04
1680	495411.06, 3858851.99	0.00471	0.00468	7.38E-04	7.64E-04	6.95E-04	7.12E-04	6.72E-04	1.95E-04	1.94E-04	3.90E-04	1.91E-04	1.89E-04	3.80E-04	1.88E-04	1.87E-04	3.75E-04
1681	495461.06, 3858851.99	0.00469	0.00467	7.35E-04	7.62E-04	6.92E-04	7.09E-04	6.69E-04	1.95E-04	1.94E-04	3.88E-04	1.90E-04	1.89E-04	3.79E-04	1.87E-04	1.87E-04	3.74E-04
1682	495511.06, 3858851.99	0.00466	0.00464	7.30E-04	7.57E-04	6.88E-04	7.04E-04	6.64E-04	1.93E-04	1.93E-04	3.86E-04	1.89E-04	1.88E-04	3.77E-04	1.86E-04	1.85E-04	3.72E-04
1683	495561.06, 3858851.99	0.00463	0.0046	7.25E-04	7.51E-04	6.83E-04	7.00E-04	6.60E-04	1.92E-04	1.91E-04	3.83E-04	1.87E-04	1.86E-04	3.74E-04	1.85E-04	1.84E-04	3.69E-04
1684	495611.06, 3858851.99	0.00459	0.00457	7.19E-04	7.46E-04	6.77E-04	6.94E-04	6.54E-04	1.90E-04	1.90E-04	3.80E-04	1.86E-04	1.85E-04	3.71E-04	1.83E-04	1.83E-04	3.66E-04
1685	495661.06, 3858851.99	0.00457	0.00455	7.16E-04	7.43E-04	6.74E-04	6.91E-04	6.52E-04	1.90E-04	1.89E-04	3.78E-04	1.85E-04	1.84E-04	3.69E-04	1.83E-04	1.82E-04	3.64E-04
1686	494311.06, 3858901.99	0.00575	0.0057	9.01E-04	9.30E-04	8.49E-04	8.69E-04	8.20E-04	2.39E-04	2.36E-04	4.75E-04	2.33E-04	2.31E-04	4.64E-04	2.30E-04	2.28E-04	4.57E-04
1687	494361.06, 3858901.99	0.00579	0.00575	9.07E-04	9.39E-04	8.55E-04	8.75E-04	8.26E-04	2.40E-04	2.39E-04	4.79E-04	2.34E-04	2.33E-04	4.67E-04	2.31E-04	2.30E-04	4.61E-04
1688	494411.06, 3858901.99	0.00577	0.00573	9.04E-04	9.35E-04	8.52E-04	8.72E-04	8.23E-04	2.39E-04	2.38E-04	4.77E-04	2.34E-04	2.32E-04	4.66E-04	2.30E-04	2.29E-04	4.59E-04
1689	494461.06, 3858901.99	0.00578	0.00573	9.05E-04	9.35E-04	8.53E-04	8.74E-04	8.24E-04	2.40E-04	2.38E-04	4.78E-04	2.34E-04	2.32E-04	4.66E-04	2.31E-04	2.29E-04	4.60E-04
1690	494511.06, 3858901.99	0.00575	0.00571	9.01E-04	9.32E-04	8.49E-04	8.69E-04	8.20E-04	2.39E-04	2.37E-04	4.75E-04	2.33E-04	2.31E-04	4.64E-04	2.30E-04	2.28E-04	4.58E-04
1691	494561.06, 3858901.99	0.00569	0.00565	8.91E-04	9.22E-04	8.40E-04	8.60E-04	8.11E-04	2.36E-04	2.34E-04	4.70E-04	2.30E-04	2.29E-04	4.59E-04	2.27E-04	2.26E-04	4.53E-04
1692	494611.06, 3858901.99	0.0056	0.00557	8.77E-04	9.09E-04	8.26E-04	8.47E-04	7.98E-04	2.32E-04	2.31E-04	4.63E-04	2.27E-04	2.25E-04	4.52E-04	2.24E-04	2.23E-04	4.46E-04
1693	494661.06, 3858901.99	0.00555	0.00551	8.69E-04	8.99E-04	8.19E-04	8.39E-04	7.91E-04	2.30E-04	2.29E-04	4.59E-04	2.25E-04	2.23E-04	4.48E-04	2.22E-04	2.20E-04	4.42E-04
1694	494711.06, 3858901.99	0.00547	0.00543	8.57E-04	8.86E-04	8.07E-04	8.27E-04	7.80E-04	2.27E-04	2.25E-04	4.52E-04	2.21E-04	2.20E-04	4.41E-04	2.19E-04	2.17E-04	4.35E-04
1695	494761.06, 3858901.99	0.00538	0.00534	8.43E-04	8.72E-04	7.94E-04	8.13E-04	7.67E-04	2.23E-04	2.22E-04	4.45E-04	2.18E-04	2.16E-04	4.34E-04	2.15E-04	2.13E-04	4.28E-04
1696	494811.06, 3858901.99	0.00532	0.00528	8.33E-04	8.62E-04	7.85E-04	8.04E-04	7.59E-04	2.21E-04	2.19E-04	4.40E-04	2.15E-04	2.14E-04	4.29E-04	2.13E-04	2.11E-04	4.23E-04
1697	494861.06, 3858901.99	0.00527	0.00524	8.26E-04	8.55E-04	7.78E-04	7.97E-04	7.51E-04	2.19E-04	2.17E-04	4.36E-04	2.13E-04	2.12E-04	4.25E-04	2.11E-04	2.09E-04	4.20E-04
1698	494911.06, 3858901.99	0.00518	0.00515	8.11E-04	8.41E-04	7.65E-04	7.83E-04	7.39E-04	2.15E-04	2.14E-04	4.29E-04	2.10E-04	2.08E-04	4.18E-04	2.07E-04	2.06E-04	4.13E-04
1699	494961.06, 3858901.99	0.00513	0.0051	8.04E-04	8.32E-04	7.57E-04	7.75E-04	7.31E-04	2.13E-04	2.12E-04	4.24E-04	2.08E-04	2.06E-04	4.14E-04	2.05E-04	2.04E-04	4.09E-04
1700	495011.06, 3858901.99	0.00508	0.00505	7.96E-04	8.24E-04	7.50E-04	7.68E-04	7.24E-04	2.11E-04	2.10E-04	4.20E-04	2.06E-04	2.04E-04	4.10E-04	2.03E-04	2.02E-04	4.05E-04
1701	495061.06, 3858901.99	0.00501	0.00498	7.85E-04	8.13E-04	7.39E-04	7.57E-04	7.14E-04	2.08E-04	2.07E-04	4.14E-04	2.03E-04	2.02E-04	4.04E-04	2.00E-04	1.99E-04	3.99E-04
1702	495111.06, 3858901.99	0.00493	0.0049	7.72E-04	8.00E-04	7.28E-04	7.45E-04	7.03E-04	2.05E-04	2.03E-04	4.08E-04	2.00E-04	1.98E-04	3.98E-04	1.97E-04	1.96E-04	3.93E-04
1703	495161.06, 3858901.99	0.00489	0.00486	7.66E-04	7.93E-04	7.22E-04	7.39E-04	6.97E-04	2.03E-04	2.02E-04	4.05E-04	1.98E-04	1.97E-04	3.95E-04	1.95E-04	1.94E-04	3.89E-04
1704	495211.06, 3858901.99	0.00489	0.00486	7.66E-04	7.93E-04	7.22E-04	7.39E-04	6.97E-04	2.03E-04	2.02E-04	4.05E-04	1.98E-04	1.97E-04	3.95E-04	1.95E-04	1.94E-04	3.89E-04
1705	495261.06, 3858901.99	0.00487	0.00484	7.63E-04	7.90E-04	7.19E-04	7.36E-04	6.94E-04	2.02E-04	2.01E-04	4.03E-04	1.97E-04	1.96E-04	3.93E-04	1.95E-04	1.93E-04	3.88E-04
1706	495311.06, 3858901.99	0.00484	0.00482	7.58E-04	7.87E-04	7.14E-04	7.32E-04	6.90E-04	2.01E-04	2.00E-04	4.01E-04	1.96E-04	1.95E-04	3.91E-04	1.93E-04	1.93E-04	3.86E-04
1707	495361.06, 3858901.99	0.00482	0.00479	7.55E-04	7.82E-04	7.11E-04	7.29E-04	6.87E-04	2.00E-04	1.99E-04	3.99E-04	1.95E-04	1.94E-04	3.89E-04	1.93E-04	1.91E-04	3.84E-04
1708	495411.06, 3858901.99	0.00481	0.00478	7.53E-04	7.80E-04	7.10E-04	7.27E-04	6.86E-04	2.00E-04	1.98E-04	3.98E-04	1.95E-04	1.94E-04	3.88E-04	1.92E-04	1.91E-04	3.83E-04
1709	495461.06, 3858901.99	0.00478	0.00476	7.49E-04	7.77E-04	7.05E-04	7.23E-04	6.82E-04	1.98E-04	1.97E-04	3.96E-04	1.94E-04	1.93E-04	3.86E-04	1.91E-04	1.90E-04	3.81E-04
1710	495511.06, 3858901.99	0.00475	0.00472	7.44E-04	7.70E-04	7.01E-04	7.18E-04	6.77E-04	1.97E-04	1.96E-04	3.93E-04	1.92E-04	1.91E-04	3.83E-04	1.90E-04	1.89E-04	3.78E-04
1711	495561.06, 3858901.99	0.00472	0.00469	7.39E-04	7.66E-04	6.97E-04	7.13E-04	6.73E-04	1.96E-04	1.95E-04	3.90E-04	1.91E-04	1.90E-04	3.81E-04	1.89E-04	1.87E-04	3.76E-04
1712	495611.06, 3858901.99	0.00468	0.00466	7.33E-04	7.61E-04	6.91E-04	7.07E-04	6.67E-04	1.94E-04	1.93E-04	3.87E-04	1.89E-04	1.89E-04	3.78E-04	1.87E-04	1.86E-04	3.73E-04
1713	495661.06, 3858901.99	0.00467	0.00464	7.32E-04	7.57E-04	6.89E-04	7.06E-04	6.66E-04	1.94E-04	1.93E-04	3.86E-04	1.89E-04	1.88E-04	3.77E-04	1.87E-04	1.85E-04	3.72E-04
1714	494311.06, 3858951.99	0.00597	0.00592	9.35E-04	9.66E-04	8.81E-04	9.02E-04	8.51E-04	2.48E-04	2.46E-04	4.93E-04	2.42E-04	2.40E-04	4.81E-04	2.38E-04	2.36E-04	4.75E-04
1715	494361.06, 3858951.99	0.00597	0.00592	9.35E-04	9.66E-04	8.81E-04	9.02E-04	8.51E-04	2.48E-04	2.46E-04	4.93E-04	2.42E-04	2.40E-04	4.81E-04	2.38E-04	2.36E-04	4.75E-04
1716	494411.06, 3858951.99	0.00592	0.00587	9.27E-04	9.58E-04	8.74E-04	8.95E-04	8.44E-04	2.46E-04	2.44E-04	4.89E-04	2.40E-04	2.38E-04	4.77E-04	2.36E-04	2.34E-04	4.71E-04
1717	494461.06, 3858951.99	0.00593	0.00588	9.29E-04	9.60E-04	8.75E-04	8.96E-04	8.46E-04	2.46E-04	2.44E-04	4.90E-04	2.40E-04	2.38E-04	4.78E-04	2.37E-04	2.35E-04	4.72E-04
1718	494511.06, 3858951.99	0.00589	0.00584	9.23E-04	9.53E-04	8.69E-04	8.90E-04	8.40E-04	2.44E-04	2.42E-04	4.87E-04	2.38E-04	2.36E-04	4.75E-04	2.35E-04	2.33E-04	4.69E-04
1719	494561.06, 3858951.99	0.00583	0.00578	9.13E-04	9.43E-04	8.60E-04	8.81E-04	8.31E-04	2.42E-04	2.40E-04	4.82E-04	2.36E-04	2.34E-04	4.70E-04	2.33E-04	2.31E-04	4.64E-04
1720	494611.06, 3858951.99	0.00575	0.00571	9.01E-04	9.32E-04	8.49E-04	8.69E-04	8.20E-04	2.39E-04	2.37E-04	4.75E-04	2.33E-04	2.31E-04	4.64E-04	2.30E-04	2.28E-04	4.58E-04
1721	494661.06, 3858951.99	0.00567	0.00563	8.88E-04	9.19E-04	8.37E-04	8.57E-04	8.08E-04	2.35E-04	2.34E-04	4.69E-04	2.30E-04	2.28E-04	4.57E-04	2.26E-04	2.25E-04	4.51E-04
1722	494711.06, 3858951.99	0.00558	0.00554	8.74E-04	9.04E-04	8.24E-04	8.43E-04	7.96E-04	2.32E-04	2.30E-04	4.61E-04	2.26E-04	2.24E-04	4.50E-04	2.23E-04	2.21E-04	4.44E-04
1723	494761.06, 3858951.99	0.0055	0.00547	8.62E-04	8.93E-04	8.12E-04	8.31E-04	7.84E-04	2.28E-04	2.27E-04	4.55E-04	2.23E-04	2.21E-04	4.44E-04	2.20E-04	2.19E-04	4.38E-04
1724	494811.06, 3858951.99	0.00545	0.00541	8.54E-04	8.83E-04	8.04E-04	8.24E-04	7.77E-04	2.26E-04	2.24E-04	4.51E-04	2.21E-04	2.19E-04	4.40E-04	2.18E-04	2.16E-04	4.34E-04
1725	494861.06, 3858951.99	0.00539	0.00536	8.44E-04	8.75E-04	7.95E-04	8.15E-04	7.69E-04	2.24E-04	2.22E-04	4.46E-04	2.18E-04	2.17E-04	4.35E-04	2.15E-04	2.14E-04	4.29E-04
1726	494911.06, 3858951.99	0.00532	0.00529	8.33E-04	8.63E-04	7.85E-04	8.04E-04	7.59E-04	2.21E-04	2.19E-04	4.40E-04	2.15E-04	2.14E-04	4.30E-04	2.13E-04	2.11E-04	4.24E-04
1727	494961.06, 3858951.99	0.00527	0.00524	8.26E-04	8.55E-04	7.78E-04	7.97E-04	7.51E-04	2.19E-04	2.17E-04	4.36E-04	2.13E-04	2.12E-04	4.25E-04	2.11E-04	2.09E-04	4.20E-04
1728	495011.06, 3858951.99	0.00517	0.00515	8.10E-04	8.41E-04	7.63E-04	7.82E-04	7.37E-04	2.14E-04	2.14E-04	4.28E-04	2.09E-04	2.08E-04	4.18E-04	2.07E-04	2.06E-04	4.12E-04
1729	495061.06, 3858951.99	0.00508	0.00505	7.96E-04	8.24E-04	7.50E-04	7.68E-04	7.24E-04	2.11E-04	2.10E-04	4.20E-04	2.06E-04	2.04E-04	4.10E-04	2.03E-04	2.02E-04	4.05E-04
1730	495111.06, 3858951.99	0.00501	0.00498	7.85E-04	8.13E-04	7.39E-04	7.57E-04	7.14E-04	2.08E-04	2.07E-04	4.14E-04	2.03E-04	2.02E-04	4.04E-04	2.00E-04	1.99E-04	3.99E-04
1731	495161.06, 3858951.99	0.00502	0.00499	7.86E-04	8.15E-04	7.41E-04	7.59E-04	7.16E-04	2.08E-04	2.07E-04	4.15E-04	2.03E-04	2.02E-04	4.05E-04	2.01E-04	1.99E-04	4.00E-04
1732	495211.06, 3858951.99	0.005	0.00497	7.83E-04	8.11E-04	7.38E-04	7.56E-04	7.13E-04	2.07E-04	2.06E-04	4.14E-04	2.02E-04	2.01E-04	4.04E-04	2.00E-04	1.99E-04	3.98E-04
1733	495261.06, 3858951.99	0.00497	0.00495	7.79E-04	8.08E-04	7.34E-04	7.51E-04	7.09E-04	2.06E-04	2.05E-04	4.12E-04	2.01E-04	2.00E-04	4.02E-04	1.99E-04	1.98E-04	3.96E-04
1734	495311.06, 3858951.99	0.00493	0.00491	7.72E-04	8.01E-04	7.28E-04	7.45E-04	7.03E-04	2.05E-04	2.04E-04	4.08E-04	2.00E-04	1.99E-04	3.98E-04	1.97E-04	1.96E-04	3.93E-04
1735	495361.06, 3858951.99	0.00492	0.00489	7.71E-04	7.98E-04	7.26E-04	7.44E-04	7.02E-04	2.04E-04	2.03E-04	4.07E-04	1.99E-04	1.98E-04	3.97E-04	1.97E-04	1.95E-04	3.92E-04
1736	495411.06, 3858951.99	0.0049	0.00488	7.68E-04	7.97E-04	7.23E-04	7.41E-04	6.99E-04	2.03E-04	2.02E-04	4.06E-04	1.98E-04	1.98E-04	3.96E-04	1.96E-04	1.95E-04	3.91E-04

1737	495461.06, 3858951.99	0.00488	0.00486	7.64E-04	7.93E-04	7.20E-04	7.38E-04	6.96E-04	2.02E-04	2.02E-04	4.04E-04	1.98E-04	1.97E-04	3.94E-04	1.95E-04	1.94E-04	3.89E-04
1738	495511.06, 3858951.99	0.00486	0.00484	7.61E-04	7.90E-04	7.17E-04	7.35E-04	6.93E-04	2.02E-04	2.01E-04	4.02E-04	1.97E-04	1.96E-04	3.93E-04	1.94E-04	1.93E-04	3.87E-04
1739	495561.06, 3858951.99	0.00481	0.00479	7.53E-04	7.82E-04	7.10E-04	7.27E-04	6.86E-04	2.00E-04	1.99E-04	3.98E-04	1.95E-04	1.94E-04	3.89E-04	1.92E-04	1.91E-04	3.83E-04
1740	495611.06, 3858951.99	0.00477	0.00475	7.47E-04	7.75E-04	7.04E-04	7.21E-04	6.80E-04	1.98E-04	1.97E-04	3.95E-04	1.93E-04	1.92E-04	3.85E-04	1.91E-04	1.90E-04	3.80E-04
1741	495661.06, 3858951.99	0.00476	0.00474	7.46E-04	7.74E-04	7.03E-04	7.20E-04	6.79E-04	1.97E-04	1.97E-04	3.94E-04	1.93E-04	1.92E-04	3.85E-04	1.90E-04	1.89E-04	3.79E-04
1742	494311.06, 3859001.99	0.00617	0.00611	9.67E-04	9.97E-04	9.11E-04	9.33E-04	8.80E-04	2.56E-04	2.53E-04	5.09E-04	2.50E-04	2.47E-04	4.97E-04	2.46E-04	2.44E-04	4.91E-04
1743	494361.06, 3859001.99	0.00614	0.00608	9.62E-04	9.92E-04	9.06E-04	9.28E-04	8.75E-04	2.55E-04	2.52E-04	5.07E-04	2.49E-04	2.46E-04	4.95E-04	2.45E-04	2.43E-04	4.88E-04
1744	494411.06, 3859001.99	0.00613	0.00607	9.60E-04	9.91E-04	9.05E-04	9.27E-04	8.74E-04	2.54E-04	2.52E-04	5.06E-04	2.48E-04	2.46E-04	4.94E-04	2.45E-04	2.42E-04	4.87E-04
1745	494461.06, 3859001.99	0.00609	0.00603	9.54E-04	9.84E-04	8.99E-04	9.21E-04	8.68E-04	2.53E-04	2.50E-04	5.03E-04	2.47E-04	2.44E-04	4.91E-04	2.43E-04	2.41E-04	4.84E-04
1746	494511.06, 3859001.99	0.00604	0.00599	9.46E-04	9.78E-04	8.91E-04	9.13E-04	8.61E-04	2.51E-04	2.49E-04	4.99E-04	2.45E-04	2.43E-04	4.87E-04	2.41E-04	2.39E-04	4.81E-04
1747	494561.06, 3859001.99	0.00596	0.00591	9.34E-04	9.65E-04	8.80E-04	9.01E-04	8.50E-04	2.47E-04	2.45E-04	4.92E-04	2.41E-04	2.39E-04	4.81E-04	2.38E-04	2.36E-04	4.74E-04
1748	494611.06, 3859001.99	0.00589	0.00584	9.23E-04	9.53E-04	8.69E-04	8.90E-04	8.40E-04	2.44E-04	2.42E-04	4.87E-04	2.38E-04	2.36E-04	4.75E-04	2.35E-04	2.33E-04	4.69E-04
1749	494661.06, 3859001.99	0.0058	0.00575	9.09E-04	9.39E-04	8.56E-04	8.77E-04	8.27E-04	2.41E-04	2.39E-04	4.79E-04	2.35E-04	2.33E-04	4.68E-04	2.32E-04	2.30E-04	4.61E-04
1750	494711.06, 3859001.99	0.0057	0.00566	8.93E-04	9.24E-04	8.41E-04	8.62E-04	8.13E-04	2.36E-04	2.35E-04	4.71E-04	2.31E-04	2.29E-04	4.60E-04	2.28E-04	2.26E-04	4.54E-04
1751	494761.06, 3859001.99	0.00564	0.0056	8.84E-04	9.14E-04	8.32E-04	8.53E-04	8.04E-04	2.34E-04	2.32E-04	4.66E-04	2.28E-04	2.27E-04	4.55E-04	2.25E-04	2.24E-04	4.49E-04
1752	494811.06, 3859001.99	0.00559	0.00555	8.76E-04	9.06E-04	8.25E-04	8.45E-04	7.97E-04	2.32E-04	2.30E-04	4.62E-04	2.26E-04	2.25E-04	4.51E-04	2.23E-04	2.22E-04	4.45E-04
1753	494861.06, 3859001.99	0.00552	0.00548	8.65E-04	8.94E-04	8.15E-04	8.34E-04	7.87E-04	2.29E-04	2.27E-04	4.56E-04	2.23E-04	2.22E-04	4.45E-04	2.21E-04	2.19E-04	4.39E-04
1754	494911.06, 3859001.99	0.00545	0.00541	8.54E-04	8.83E-04	8.04E-04	8.24E-04	7.77E-04	2.26E-04	2.24E-04	4.51E-04	2.21E-04	2.19E-04	4.40E-04	2.18E-04	2.16E-04	4.34E-04
1755	494961.06, 3859001.99	0.00538	0.00534	8.43E-04	8.72E-04	7.94E-04	8.13E-04	7.67E-04	2.23E-04	2.22E-04	4.45E-04	2.18E-04	2.16E-04	4.34E-04	2.15E-04	2.13E-04	4.28E-04
1756	495011.06, 3859001.99	0.00522	0.00519	8.18E-04	8.47E-04	7.70E-04	7.89E-04	7.44E-04	2.17E-04	2.15E-04	4.32E-04	2.11E-04	2.10E-04	4.21E-04	2.09E-04	2.07E-04	4.16E-04
1757	495061.06, 3859001.99	0.00518	0.00515	8.11E-04	8.41E-04	7.65E-04	7.83E-04	7.39E-04	2.15E-04	2.14E-04	4.29E-04	2.10E-04	2.08E-04	4.18E-04	2.07E-04	2.06E-04	4.13E-04
1758	495111.06, 3859001.99	0.00511	0.00508	8.00E-04	8.29E-04	7.54E-04	7.72E-04	7.29E-04	2.12E-04	2.11E-04	4.23E-04	2.07E-04	2.06E-04	4.13E-04	2.04E-04	2.03E-04	4.07E-04
1759	495161.06, 3859001.99	0.00513	0.0051	8.04E-04	8.32E-04	7.57E-04	7.75E-04	7.31E-04	2.13E-04	2.12E-04	4.24E-04	2.08E-04	2.06E-04	4.14E-04	2.05E-04	2.04E-04	4.09E-04
1760	495211.06, 3859001.99	0.0051	0.00507	7.99E-04	8.28E-04	7.53E-04	7.71E-04	7.27E-04	2.12E-04	2.10E-04	4.22E-04	2.06E-04	2.05E-04	4.12E-04	2.04E-04	2.03E-04	4.06E-04
1761	495261.06, 3859001.99	0.00508	0.00506	7.96E-04	8.26E-04	7.50E-04	7.68E-04	7.24E-04	2.11E-04	2.10E-04	4.21E-04	2.06E-04	2.05E-04	4.11E-04	2.03E-04	2.02E-04	4.05E-04
1762	495311.06, 3859001.99	0.00505	0.00503	7.91E-04	8.21E-04	7.45E-04	7.63E-04	7.20E-04	2.10E-04	2.09E-04	4.18E-04	2.04E-04	2.04E-04	4.08E-04	2.02E-04	2.01E-04	4.03E-04
1763	495361.06, 3859001.99	0.00503	0.00501	7.88E-04	8.18E-04	7.42E-04	7.60E-04	7.17E-04	2.09E-04	2.08E-04	4.17E-04	2.04E-04	2.03E-04	4.06E-04	2.01E-04	2.00E-04	4.01E-04
1764	495411.06, 3859001.99	0.00501	0.00498	7.85E-04	8.13E-04	7.39E-04	7.57E-04	7.14E-04	2.08E-04	2.07E-04	4.14E-04	2.03E-04	2.02E-04	4.04E-04	2.00E-04	1.99E-04	3.99E-04
1765	495461.06, 3859001.99	0.00499	0.00496	7.82E-04	8.10E-04	7.36E-04	7.54E-04	7.11E-04	2.07E-04	2.06E-04	4.13E-04	2.02E-04	2.01E-04	4.03E-04	1.99E-04	1.98E-04	3.97E-04
1766	495511.06, 3859001.99	0.00494	0.00492	7.74E-04	8.03E-04	7.29E-04	7.47E-04	7.04E-04	2.05E-04	2.04E-04	4.09E-04	2.00E-04	1.99E-04	3.99E-04	1.97E-04	1.97E-04	3.94E-04
1767	495561.06, 3859001.99	0.00491	0.00489	7.69E-04	7.98E-04	7.25E-04	7.42E-04	7.00E-04	2.04E-04	2.03E-04	4.07E-04	1.99E-04	1.98E-04	3.97E-04	1.96E-04	1.95E-04	3.91E-04
1768	495611.06, 3859001.99	0.00487	0.00485	7.63E-04	7.92E-04	7.19E-04	7.36E-04	6.94E-04	2.02E-04	2.01E-04	4.03E-04	1.97E-04	1.96E-04	3.94E-04	1.95E-04	1.94E-04	3.88E-04
1769	495661.06, 3859001.99	0.00487	0.00485	7.63E-04	7.92E-04	7.19E-04	7.36E-04	6.94E-04	2.02E-04	2.01E-04	4.03E-04	1.97E-04	1.96E-04	3.94E-04	1.95E-04	1.94E-04	3.88E-04
1770	494311.06, 3859051.99	0.00636	0.00628	9.96E-04	1.03E-03	9.39E-04	9.61E-04	9.07E-04	2.64E-04	2.61E-04	5.24E-04	2.57E-04	2.54E-04	5.12E-04	2.54E-04	2.51E-04	5.05E-04
1771	494361.06, 3859051.99	0.00636	0.00629	9.96E-04	1.03E-03	9.39E-04	9.61E-04	9.07E-04	2.64E-04	2.61E-04	5.25E-04	2.57E-04	2.55E-04	5.12E-04	2.54E-04	2.51E-04	5.05E-04
1772	494411.06, 3859051.99	0.0063	0.00623	9.87E-04	1.02E-03	9.30E-04	9.52E-04	8.98E-04	2.61E-04	2.58E-04	5.20E-04	2.55E-04	2.52E-04	5.07E-04	2.52E-04	2.49E-04	5.01E-04
1773	494461.06, 3859051.99	0.00624	0.00617	9.78E-04	1.01E-03	9.21E-04	9.43E-04	8.90E-04	2.59E-04	2.56E-04	5.15E-04	2.53E-04	2.50E-04	5.02E-04	2.49E-04	2.46E-04	4.96E-04
1774	494511.06, 3859051.99	0.00617	0.0061	9.67E-04	9.96E-04	9.11E-04	9.33E-04	8.80E-04	2.56E-04	2.53E-04	5.09E-04	2.50E-04	2.47E-04	4.97E-04	2.46E-04	2.44E-04	4.90E-04
1775	494561.06, 3859051.99	0.0061	0.00604	9.56E-04	9.86E-04	9.00E-04	9.22E-04	8.70E-04	2.53E-04	2.51E-04	5.04E-04	2.47E-04	2.45E-04	4.91E-04	2.44E-04	2.41E-04	4.85E-04
1776	494611.06, 3859051.99	0.00602	0.00596	9.43E-04	9.73E-04	8.88E-04	9.10E-04	8.58E-04	2.50E-04	2.47E-04	4.97E-04	2.44E-04	2.41E-04	4.85E-04	2.40E-04	2.38E-04	4.79E-04
1777	494661.06, 3859051.99	0.00593	0.00588	9.29E-04	9.60E-04	8.75E-04	8.96E-04	8.46E-04	2.46E-04	2.44E-04	4.90E-04	2.40E-04	2.38E-04	4.78E-04	2.37E-04	2.35E-04	4.72E-04
1778	494711.06, 3859051.99	0.00585	0.00581	9.16E-04	9.48E-04	8.63E-04	8.84E-04	8.34E-04	2.43E-04	2.41E-04	4.84E-04	2.37E-04	2.35E-04	4.72E-04	2.34E-04	2.32E-04	4.66E-04
1779	494761.06, 3859051.99	0.00577	0.00573	9.04E-04	9.35E-04	8.52E-04	8.72E-04	8.23E-04	2.39E-04	2.38E-04	4.77E-04	2.34E-04	2.32E-04	4.66E-04	2.30E-04	2.29E-04	4.59E-04
1780	494811.06, 3859051.99	0.00571	0.00567	8.94E-04	9.26E-04	8.43E-04	8.63E-04	8.14E-04	2.37E-04	2.35E-04	4.72E-04	2.31E-04	2.30E-04	4.61E-04	2.28E-04	2.26E-04	4.55E-04
1781	494861.06, 3859051.99	0.00565	0.00561	8.85E-04	9.16E-04	8.34E-04	8.54E-04	8.06E-04	2.34E-04	2.33E-04	4.67E-04	2.29E-04	2.27E-04	4.56E-04	2.26E-04	2.24E-04	4.50E-04
1782	494911.06, 3859051.99	0.00556	0.00553	8.71E-04	9.03E-04	8.21E-04	8.40E-04	7.93E-04	2.31E-04	2.29E-04	4.60E-04	2.25E-04	2.24E-04	4.49E-04	2.22E-04	2.21E-04	4.43E-04
1783	494961.06, 3859051.99	0.00545	0.00542	8.54E-04	8.85E-04	8.04E-04	8.24E-04	7.77E-04	2.26E-04	2.25E-04	4.51E-04	2.21E-04	2.19E-04	4.40E-04	2.18E-04	2.17E-04	4.34E-04
1784	495011.06, 3859051.99	0.00536	0.00533	8.40E-04	8.70E-04	7.91E-04	8.10E-04	7.64E-04	2.22E-04	2.21E-04	4.44E-04	2.17E-04	2.16E-04	4.33E-04	2.14E-04	2.13E-04	4.27E-04
1785	495061.06, 3859051.99	0.0053	0.00527	8.30E-04	8.60E-04	7.82E-04	8.01E-04	7.56E-04	2.20E-04	2.19E-04	4.39E-04	2.15E-04	2.13E-04	4.28E-04	2.12E-04	2.11E-04	4.22E-04
1786	495111.06, 3859051.99	0.00525	0.00523	8.22E-04	8.54E-04	7.75E-04	7.94E-04	7.49E-04	2.18E-04	2.17E-04	4.35E-04	2.13E-04	2.12E-04	4.24E-04	2.10E-04	2.09E-04	4.19E-04
1787	495161.06, 3859051.99	0.00525	0.00523	8.22E-04	8.54E-04	7.75E-04	7.94E-04	7.49E-04	2.18E-04	2.17E-04	4.35E-04	2.13E-04	2.12E-04	4.24E-04	2.10E-04	2.09E-04	4.19E-04
1788	495211.06, 3859051.99	0.00521	0.00518	8.16E-04	8.46E-04	7.69E-04	7.88E-04	7.43E-04	2.16E-04	2.15E-04	4.31E-04	2.11E-04	2.10E-04	4.21E-04	2.08E-04	2.07E-04	4.15E-04
1789	495261.06, 3859051.99	0.0052	0.00517	8.15E-04	8.44E-04	7.67E-04	7.86E-04	7.41E-04	2.16E-04	2.14E-04	4.30E-04	2.11E-04	2.09E-04	4.20E-04	2.08E-04	2.07E-04	4.14E-04
1790	495311.06, 3859051.99	0.00516	0.00514	8.08E-04	8.39E-04	7.62E-04	7.80E-04	7.36E-04	2.14E-04	2.13E-04	4.27E-04	2.09E-04	2.08E-04	4.17E-04	2.06E-04	2.05E-04	4.11E-04
1791	495361.06, 3859051.99	0.00514	0.00511	8.05E-04	8.34E-04	7.59E-04	7.77E-04	7.33E-04	2.13E-04	2.12E-04	4.25E-04	2.08E-04	2.07E-04	4.15E-04	2.05E-04	2.04E-04	4.09E-04
1792	495411.06, 3859051.99	0.00512	0.0051	8.02E-04	8.32E-04	7.56E-04	7.74E-04	7.30E-04	2.12E-04	2.12E-04	4.24E-04	2.07E-04	2.06E-04	4.14E-04	2.05E-04	2.04E-04	4.08E-04
1793	495461.06, 3859051.99	0.0051	0.00508	7.99E-04	8.29E-04	7.53E-04	7.71E-04	7.27E-04	2.12E-04	2.11E-04	4.22E-04	2.06E-04	2.06E-04	4.12E-04	2.04E-04	2.03E-04	4.07E-04
1794	495511.06, 3859051.99	0.00505	0.00503	7.91E-04	8.21E-04	7.45E-04	7.63E-04	7.20E-04	2.10E-04	2.09E-04	4.18E-04	2.04E-04	2.04E-04	4.08E-04	2.02E-04	2.01E-04	4.03E-04
1795	495561.06, 3859051.99	0.00501	0.00499	7.85E-04	8.15E-04	7.39E-04	7.57E-04	7.14E-04	2.08E-04	2.07E-04	4.15E-04	2.03E-04	2.02E-04	4.05E-04	2.00E-04	1.99E-04	3.99E-04
1796	495611.06, 3859051.99	0.00497	0.00495	7.79E-04	8.08E-04	7.34E-04	7.51E-04	7.09E-04	2.06E-04	2.05E-04	4.12E-04	2.01E-04	2.00E-04	4.02E-04	1.99E-04	1.98E-04	3.96E-04
1797	495661.06, 3859051.99	0.00497	0.00495	7.79E-04	8.08E-04	7.34E-04	7.51E-04	7.09E-04	2.06E-04	2.05E-04	4.12E-04	2.01E-04	2.00E-04	4.02E-04	1.99E-04	1.98E-04	3.96E-04
1798	494311.06, 3859101.99	0.00659	0.0065	1.03E-03	1.06E-03	9.73E-04	9.96E-04	9.40E-04	2.73E-04	2.70E-04	5.43E-04	2.67E-04	2.63E-04	5.30E-04	2.63E-04	2.60E-04	5.23E-04
1799	494361.06, 3859101.99	0.00653	0.00645	1.02E-03	1.05E-03	9.64E-04	9.87E-04	9.31E-04	2.71E-04	2.68E-04	5.39E-04	2.64E-04	2.61E-04	5.25E-04	2.61E-04	2.58E-04	5.19E-04
1800	494411.06, 3859101.99	0.00649	0.0064	1.02E-03	1.04E-03	9.58E-04	9.81E-04	9.25E-04	2.69E-04	2.66E-04	5.35E-04	2.63E-04	2.59E-04	5.22E-04	2.59E-04	2.56E-04	5.15E-04
1801	494461.06, 3859101.99	0.00642	0.00634	1.01E-03	1.03E-03	9.48E-04	9.70E-04	9.15E-04	2.66E-04	2.63E-04	5.29E-04	2.60E-04	2.57E-04	5.17E-04	2.56E-04	2.53E-04	5.10E-04
1802	494511.06, 3859101.99	0.00632	0.00625	9.90E-04	1.02E-03	9.33E-04	9.55E-04	9.01E-04	2.62E-04	2.59E-04	5.22E-04	2.56E-04	2.53E-04	5.09E-04	2.52E-04	2.50E-04	5.02E-04
1803	494561.06, 3859101.99	0.00625	0.00618	9.79E-04	1.01E-03	9.22E-04	9.45E-04	8.91E-04	2.59E-04	2.56E-04	5.16E-04	2.53E-04	2.50E-04	5.03E-04	2.50E-04	2.47E-04	4.97E-04
1804	494611.06, 3859101.99	0.00615	0.00609	9.63E-04	9.94E-04	9.08E-04	9.30E-04	8.77E-04	2.55E-04	2.53E-04	5.08E-04	2.49E-04	2.47E-04	4.96E-04	2.46E-04	2.43E-04	4.89E-04
1805	494661.06, 3859101.99	0.00608	0.00602	9.52E-04	9.83E-04	8.97E-04	9.19E-04	8.67E-04	2.52E-04	2.50E-04	5.02E-04	2.46E-04	2.44E-04	4.90E-04	2.43E-04	2.40E-04	4.83E-04
1806	494711.06, 3859101.99	0.00597	0.00592	9.35E-04	9.66E-04	8.81E-04	9.02E-04	8.51E-04	2.48E-04	2.46E-04	4.93E-04	2.42E-04	2.40E-04	4.81E-04	2.38E-04	2.36E-04	4.75E-04
1807	494761.06, 3859101.99	0.00593	0.00588	9.29E-04	9.60E-04	8.75E-04	8.96E-04	8.46E-04	2.46E-04	2.44E-04	4.90E-04	2.40E-04	2.38E-04	4.78E-04	2.37E-04	2.35E-04	4.72E-04
1808	494811.06, 3859101.99	0.00585	0.00581	9.16E-04	9.48E-04	8.63E-04	8.84E-04	8.34E-04	2.43E-04	2.41E-04	4.84E-04	2.37E-04	2.35E-04	4.72E-04	2.34E-04	2.32E-04	4.66E-04
1809	494861.06, 3859101.99	0.00578	0.00574	9.05E-04	9.37E-04	8.53E-04	8.74E-04	8.24E-04	2.40E-04	2.38E-04	4.78E-04	2.34E-04	2.32E-04	4.66E-04	2.31E-04	2.29E-04	4.60E-04
1810	494911.06, 3859101.99	0.00569	0.00565	8.91E-04	9.22E-04	8.40E-04	8.60E-04	8.11E-04	2.36E-04	2.34E-04	4.70E-04	2.30E-04	2.29E-04	4.59E-04	2.27E-04	2.26E-04	4.53E-04
1811	494961.06, 3859101.99	0.00557	0.00553	8.73E-04	9.03E-04	8.22E-04	8.42E-04	7.94E-04	2.31E-04	2.29E-04	4.61E-04	2.25E-04	2.24E-04	4.49E-04	2.23E-04	2.21E-04	4.43E-04
1812	495011.06, 3859101.99	0.00544	0.00541	8.52E-04	8.83E-04	8.03E-04	8.22E-04	7.76E-04	2.26E-04	2.24E-04	4.50E-04	2.20E-04	2.19E-04	4.39E-04	2.17E-04	2.16E-04	4.33E-04
1813	495061.06, 3859101.99	0.00542	0.00539	8.49E-04	8.80E-04	8.00E-04	8.19E-04	7.73E-04	2.25E-04	2.24E-04	4.48E-04	2.19E-04	2.18E-04	4.38E-04	2.17E-04	2.15E-04	4.32E-04
1814	495111.06, 3859101.99	0.00537	0.00534	8.41E-04	8.72E-04	7.93E-04	8.12E-04	7.66E-04	2.23E-04	2.22E-04	4.44E-04	2.17E-04	2.16E-04	4.34E-04	2.15E-04	2.13E-04	4.28E-04
1815	495161.06, 3859101.99	0.00537	0.00534	8.41E-04	8.72E-04	7.93E-04	8.12E-04	7.66E-04	2.23E-04	2.22E-04	4.44E-04	2.17E-04	2.16E-04	4.34E-04	2.15E-04	2.13E-04	4.28E-04
1816	495211.06, 3859101.99	0.00533	0.0053	8.35E-04	8.65E-04	7.87E-04	8.06E-04	7.60E-04	2.21E-04	2.20E-04	4.41E-04	2.16E-04	2.15E-04	4.30E-04	2.13E-04	2.12E-04	4.25E-04
1817	495261.06, 3859101.99	0.00531	0.00528	8.32E-04	8.62E-04	7.84E-04	8.03E-04	7.57E-04	2.20E-04	2.19E-04	4.39E-04	2.15E-04	2.14E-04	4.29E-04	2.12E-04	2.11E-04	4.23E-04
1818	495311.06, 3859101.99	0.00527	0.00525	8.26E-04	8.57E-04	7.78E-04	7.97E-04	7.51E-04	2.19E-04	2.18E-04	4.36E-04	2.13E-04	2.13E-04	4.26E-04	2.11E-04	2.10E-04	4.20E-04
1819	495361.06, 3859101.99	0.00527	0.00524	8.26E-04	8.55E-04	7.78E-04	7.97E-04	7.51E-04	2.19E-04	2.17E-04	4.36E-04	2.13E-04	2.12E-04	4.25E-04	2.11E-04	2.09E-04	4.20E-04
1820	495411.06, 3859101.99	0.00524	0.00522	8.21E-04	8.52E-04	7.73E-04	7.92E-04	7.47E-04	2.17E-04	2.17E-04	4.34E-04	2.12E-04	2.11E-04	4.23E-04	2.09E-04	2.09E-04	4.18E-04
1821	495461.06, 3859101.99	0.00519	0.00516	8.13E-04	8.42E-04	7.66E-04	7.85E-04	7.40E-04	2.15E-04	2.14E-04	4.29E-04	2.10E-04	2.09E-04	4.19E-04	2.07E-04	2.06E-04	4.13E-04
1822	495511.06, 3859101.99	0.00516	0.00514	8.08E-04	8.39E-04	7.62E-04	7.80E-04	7.36E-04	2.14E-04	2.13E-04	4.27E-04	2.09E-04	2.08E-04	4.17E-04	2.06E-04	2.05E-04	4.11E-04
1823	495561.06, 3859101.99	0.00513	0.00511	8.04E-04	8.34E-04	7.57E-04	7.75E-04	7.31E-04	2.13E-04	2.12E-04	4.25E-04	2.08E-04	2.07E-04	4.15E-04	2.05E-04	2.04E-04	4.09E-04
1824	495611.06, 3859101.99	0.00509	0.00507	7.97E-04	8.28E-04	7.51E-04	7.69E-04	7.26E-04	2.11E-04	2.10E-04	4.22E-04	2.06E-04	2.05E-04	4.11E-04	2.03E-04	2.03E-04	4.06E-04
1825	495661.06, 3859101.99	0.00507	0.00505	7.94E-04	8.24E-04	7.48E-04	7.66E-04	7.23E-04	2.10E-04	2.10E-04	4.20E-04	2.05E-04	2.04E-04	4.10E-04	2.03E-04	2.02E-04	4.04E-04
1826	494311.06, 3859151.99	0.00678	0.00667	1.06E-03	1.09E-03	1.00E-03	1.02E-03	9.67E-04	2.81E-04	2.77E-04	5.58E-04	2.74E-04	2.70E-04	5.45E-04	2.71E-04	2.66E-04	5.37E-04
1827	494361.06, 3859151.99	0.00673	0.00663	1.05E-03	1.08E-03	9.93E-04	1.02E-03	9.60E-04	2.79E-04	2.75E-04	5.54E-04	2.72E-04	2.68E-04	5.41E-04	2.69E-04	2.65E-04	5.34E-04
1828	494411.06, 3859151.99	0.00665	0.00656	1.04E-03	1.07E-03	9.81E-04	1.01E-03	9.48E-04	2.76E-04	2.72E-04	5.48E-04	2.69E-04	2.66E-04	5.35E-04	2.66E-04	2.62E-04	5.28E-04
1829	494461.06, 3859151.99	0.00657	0.00648	1.03E-03	1.06E-03	9.70E-04	9.93E-04	9.37E-04	2.73E-04	2.69E-04	5.41E-04	2.66E-04	2.62E-04	5.28E-04	2.62E-04	2.59E-04	5.21E-04
1830	494511.06, 3859151.99	0.00647	0.00639	1.01E-03	1.04E-03	9.55E-04	9.78E-04	9.23E-04	2.68E-04	2.65E-04	5.34E-04	2.62E-04	2.59E-04	5.21E-04	2.58E-04	2.55E-04	5.14E-04
1831	494561.06, 3859151.99	0.0064	0.00632	1.00E-03	1.03E-03	9.45E-04	9.67E-04	9.13E-04	2.66E-04	2.62E-04	5.28E-04	2.59E-04	2.56E-04	5.15E-04	2.56E-04	2.52E-04	5.08E-04
1832	494611.06, 3859151.99	0.0063	0.00623	9.87E-04	1.02E-03	9.30E-04	9.52E-04	8.98E-04	2.61E-04	2.58E-04	5.20E-04	2.55E-04	2.52E-04	5.07E-04	2.52E-04	2.49E-04	5.01E-04
1833	494661.06, 3859151.99	0.00623	0.00617	9.76E-04	1.01E-03	9.19E-04	9.42E-04	8.88E-04	2.58E-04	2.56E-04	5.14E-04	2.52E-04	2.50E-04	5.02E-04	2.49E-04	2.46E-04	4.95E-04
1834	494711.06, 3859151.99	0.00617	0.00611	9.67E-04	9.97E-04	9.11E-04	9.33E-04	8.80E-04	2.56E-04	2.53E-04	5.09E-04	2.50E-04	2.47E-04	4.97E-04	2.46E-04	2.44E-04	4.91E-04
1835	494761.06, 3859151.99	0.00607	0.00601	9.51E-04	9.81E-04	8.96E-04	9.18E-04	8.65E-04	2.52E-04	2.49E-04	5.01E-04	2.46E-04	2.43E-04	4.89E-04	2.42E-04	2.40E-04	4.83E-04
1836	494811.06, 3859151.99	0.00598	0.00593	9.37E-04	9.68E-04	8.83E-04	9.04E-04	8.53E-04	2.48E-04	2.46E-04	4.94E-04	2.42E-04	2.40E-04	4.82E-04	2.39E-04	2.37E-04	4.76E-04
1837	494861.06, 3859151.99	0.00592	0.00587	9.27E-04	9.58E-04	8.74E-04	8.95E-04	8.44E-04	2.46E-04	2.44E-04	4.89E-04	2.40E-04	2.38E-04	4.77E-04	2.36E-04	2.34E-04	4.71E-04
1838	494911.06, 3859151.99	0.00581	0.00577	9.10E-04	9.42E-04	8.57E-04	8.78E-04	8.28E-04	2.41E-04	2.39E-04	4.80E-04	2.35E-04	2.34E-04	4.69E-04	2.32E-04	2.30E-04	4.63E-04
1839	494961.06, 3859151.99	0.00567	0.00564	8.88E-04	9.21E-04	8.37E-04	8.57E-04	8.08E-04	2.35E-04	2.34E-04	4.69E-04	2.30E-04	2.28E-04	4.58E-04	2.26E-04	2.25E-04	4.52E-04
1840	495011.06, 3859151.99	0.00557	0.00553	8.73E-04	9.03E-04	8.22E-04	8.42E-04	7.94E-04	2.31E-04	2.29E-04	4.61E-04	2.25E-04	2.24E-04	4.49E-04	2.23E-04	2.21E-04	4.43E-04
1841	495061.06, 3859151.99	0.00554	0.0055	8.68E-04	8.98E-04	8.18E-04	8.37E-04	7.90E-04	2.30E-04	2.28E-04	4.58E-04	2.24E-04	2.23E-04	4.47E-04	2.21E-04	2.20E-04	4.41E-04
1842	495111.06, 3859151.99	0.0055	0.00547	8.62E-04	8.93E-04	8.12E-04	8.31E-04	7.84E-04	2.28E-04	2.27E-04	4.55E-04	2.23E-04	2.21E-04	4.44E-04	2.20E-04	2.19E-04	4.38E-04
1843	495161.06, 3859151.99	0.0055	0.00547	8.62E-04	8.93E-04	8.12E-04	8.31E-04	7.84E-04	2.28E-04	2.27E-04	4.55E-04	2.23E-04	2.21E-04	4.44E-04	2.20E-04	2.19E-04	4.38E-04
1844	495211.06, 3859151.99	0.00546	0.00543	8.55E-04	8.86E-04	8.06E-04	8.25E-04	7.79E-04	2.27E-04	2.25E-04	4.52E-04	2.21E-04	2.20E-04	4.41E-04	2.18E-04	2.17E-04	4.35E-04
1845	495261.06, 3859151.99	0.00543	0.0054	8.51E-04	8.81E-04	8.01E-04	8.21E-04	7.74E-04	2.25E-04	2.24E-04	4.49E-04	2.20E-04	2.19E-04	4.38E-04	2.17E-04	2.16E-04	4.33E-04
1846	495311.06, 3859151.99	0.0054	0.00537	8.46E-04	8.77E-04	7.97E-04	8.16E-04	7.70E-04	2.24E-04	2.23E-04	4.47E-04	2.19E-04	2.17E-04	4.36E-04	2.16E-04	2.15E-04	4.30E-04
1847	495361.06, 3859151.99	0.00537	0.00534	8.41E-04	8.72E-04	7.93E-04	8.12E-04	7.66E-04	2.23E-04	2.22E-04	4.44E-04	2.17E-04	2.16E-04	4.34E-04	2.15E-04	2.13E-04	4.28E-04
1848	495411.06, 3859151.99	0.00537	0.00534	8.41E-04	8.72E-04	7.93E-04	8.12E-04	7.66E-04	2.23E-04	2.22E-04	4.44E-04	2.17E-04	2.16E-04	4.34E-04	2.15E-04	2.13E-04	4.28E-04
1849	495461.06, 3859151.99	0.00534	0.00531	8.37E-04	8.67E-04	7.88E-04	8.07E-04	7.61E-04	2.22E-04	2.20E-04	4.42E-04	2.16E-04	2.15E-04	4.31E-04	2.13E-04	2.12E-04	4.25E-04
1850	495511.06, 3859151.99	0.00529	0.00527	8.29E-04	8.60E-04	7.81E-04	8.00E-04	7.54E-04	2.19E-04	2.19E-04	4.38E-04	2.14E-04	2.13E-04	4.28E-04	2.11E-04	2.11E-04	4.22E-04
1851	495561.06, 3859151.99	0.00525	0.00523	8.22E-04	8.54E-04	7.75E-04	7.94E-04	7.49E-04	2.18E-04	2.17E-04	4.35E-04	2.13E-04	2.12E-04	4.24E-04	2.10E-04	2.09E-04	4.19E-04
1852	495611.06, 3859151.99	0.00521	0.00519	8.16E-04	8.47E-04	7.69E-04	7.88E-04	7.43E-04	2.16E-04	2.15E-04	4.31E-04	2.11E-04	2.10E-04	4.21E-04	2.08E-04	2.07E-04	4.15E-04

1853	495661.06, 3859151.99	0.00518	0.00516	8.11E-04	8.42E-04	7.65E-04	7.83E-04	7.39E-04	2.15E-04	2.14E-04	4.29E-04	2.10E-04	2.09E-04	4.19E-04	2.07E-04	2.06E-04	4.13E-04
1854	494311.06, 3859201.99	0.00698	0.00686	1.09E-03	1.12E-03	1.03E-03	1.06E-03	9.95E-04	2.90E-04	2.85E-04	5.74E-04	2.83E-04	2.78E-04	5.60E-04	2.79E-04	2.74E-04	5.53E-04
1855	494361.06, 3859201.99	0.00692	0.0068	1.08E-03	1.11E-03	1.02E-03	1.05E-03	9.87E-04	2.87E-04	2.82E-04	5.69E-04	2.80E-04	2.75E-04	5.55E-04	2.76E-04	2.72E-04	5.48E-04
1856	494411.06, 3859201.99	0.00684	0.00672	1.07E-03	1.10E-03	1.01E-03	1.03E-03	9.75E-04	2.84E-04	2.79E-04	5.63E-04	2.77E-04	2.72E-04	5.49E-04	2.73E-04	2.68E-04	5.42E-04
1857	494461.06, 3859201.99	0.00673	0.00663	1.05E-03	1.08E-03	9.93E-04	1.02E-03	9.60E-04	2.79E-04	2.75E-04	5.54E-04	2.72E-04	2.68E-04	5.41E-04	2.69E-04	2.65E-04	5.34E-04
1858	494511.06, 3859201.99	0.00665	0.00656	1.04E-03	1.07E-03	9.81E-04	1.01E-03	9.48E-04	2.76E-04	2.72E-04	5.48E-04	2.69E-04	2.66E-04	5.35E-04	2.66E-04	2.62E-04	5.28E-04
1859	494561.06, 3859201.99	0.00655	0.00646	1.03E-03	1.05E-03	9.67E-04	9.90E-04	9.34E-04	2.72E-04	2.68E-04	5.40E-04	2.65E-04	2.62E-04	5.27E-04	2.62E-04	2.58E-04	5.20E-04
1860	494611.06, 3859201.99	0.00646	0.00638	1.01E-03	1.04E-03	9.53E-04	9.77E-04	9.21E-04	2.68E-04	2.65E-04	5.33E-04	2.62E-04	2.58E-04	5.20E-04	2.58E-04	2.55E-04	5.13E-04
1861	494661.06, 3859201.99	0.00639	0.00631	1.00E-03	1.03E-03	9.43E-04	9.66E-04	9.11E-04	2.65E-04	2.62E-04	5.27E-04	2.59E-04	2.55E-04	5.14E-04	2.55E-04	2.52E-04	5.07E-04
1862	494711.06, 3859201.99	0.00631	0.00624	9.88E-04	1.02E-03	9.31E-04	9.54E-04	9.00E-04	2.62E-04	2.59E-04	5.21E-04	2.55E-04	2.53E-04	5.08E-04	2.52E-04	2.49E-04	5.01E-04
1863	494761.06, 3859201.99	0.00621	0.00614	9.73E-04	1.00E-03	9.17E-04	9.39E-04	8.85E-04	2.58E-04	2.55E-04	5.12E-04	2.51E-04	2.49E-04	5.00E-04	2.48E-04	2.45E-04	4.93E-04
1864	494811.06, 3859201.99	0.00612	0.00606	9.59E-04	9.89E-04	9.03E-04	9.25E-04	8.73E-04	2.54E-04	2.51E-04	5.05E-04	2.48E-04	2.45E-04	4.93E-04	2.44E-04	2.42E-04	4.87E-04
1865	494861.06, 3859201.99	0.00601	0.00596	9.41E-04	9.73E-04	8.87E-04	9.08E-04	8.57E-04	2.49E-04	2.47E-04	4.97E-04	2.43E-04	2.41E-04	4.85E-04	2.40E-04	2.38E-04	4.78E-04
1866	494911.06, 3859201.99	0.00591	0.00587	9.26E-04	9.58E-04	8.72E-04	8.93E-04	8.43E-04	2.45E-04	2.44E-04	4.89E-04	2.39E-04	2.38E-04	4.77E-04	2.36E-04	2.34E-04	4.71E-04
1867	494961.06, 3859201.99	0.0058	0.00575	9.09E-04	9.39E-04	8.56E-04	8.77E-04	8.27E-04	2.41E-04	2.39E-04	4.79E-04	2.35E-04	2.33E-04	4.68E-04	2.32E-04	2.30E-04	4.61E-04
1868	495011.06, 3859201.99	0.00565	0.00562	8.85E-04	9.17E-04	8.34E-04	8.54E-04	8.06E-04	2.34E-04	2.33E-04	4.68E-04	2.29E-04	2.28E-04	4.56E-04	2.26E-04	2.25E-04	4.50E-04
1869	495061.06, 3859201.99	0.00568	0.00564	8.90E-04	9.21E-04	8.38E-04	8.59E-04	8.10E-04	2.36E-04	2.34E-04	4.70E-04	2.30E-04	2.28E-04	4.58E-04	2.27E-04	2.25E-04	4.52E-04
1870	495111.06, 3859201.99	0.00565	0.00562	8.85E-04	9.17E-04	8.34E-04	8.54E-04	8.06E-04	2.34E-04	2.33E-04	4.68E-04	2.29E-04	2.28E-04	4.56E-04	2.26E-04	2.25E-04	4.50E-04
1871	495161.06, 3859201.99	0.00562	0.00559	8.80E-04	9.12E-04	8.29E-04	8.50E-04	8.01E-04	2.33E-04	2.32E-04	4.65E-04	2.28E-04	2.26E-04	4.54E-04	2.25E-04	2.23E-04	4.48E-04
1872	495211.06, 3859201.99	0.00558	0.00554	8.74E-04	9.04E-04	8.24E-04	8.43E-04	7.96E-04	2.32E-04	2.30E-04	4.61E-04	2.26E-04	2.24E-04	4.50E-04	2.23E-04	2.21E-04	4.44E-04
1873	495261.06, 3859201.99	0.00556	0.00552	8.71E-04	9.01E-04	8.21E-04	8.40E-04	7.93E-04	2.31E-04	2.29E-04	4.60E-04	2.25E-04	2.23E-04	4.49E-04	2.22E-04	2.21E-04	4.43E-04
1874	495311.06, 3859201.99	0.00553	0.0055	8.66E-04	8.98E-04	8.16E-04	8.36E-04	7.88E-04	2.29E-04	2.28E-04	4.58E-04	2.24E-04	2.23E-04	4.47E-04	2.21E-04	2.20E-04	4.41E-04
1875	495361.06, 3859201.99	0.0055	0.00547	8.62E-04	8.93E-04	8.12E-04	8.31E-04	7.84E-04	2.28E-04	2.27E-04	4.55E-04	2.23E-04	2.21E-04	4.44E-04	2.20E-04	2.19E-04	4.38E-04
1876	495411.06, 3859201.99	0.00549	0.00546	8.60E-04	8.91E-04	8.10E-04	8.30E-04	7.83E-04	2.28E-04	2.27E-04	4.54E-04	2.22E-04	2.21E-04	4.43E-04	2.19E-04	2.18E-04	4.37E-04
1877	495461.06, 3859201.99	0.00546	0.00543	8.55E-04	8.86E-04	8.06E-04	8.25E-04	7.79E-04	2.27E-04	2.25E-04	4.52E-04	2.21E-04	2.20E-04	4.41E-04	2.18E-04	2.17E-04	4.35E-04
1878	495511.06, 3859201.99	0.00542	0.0054	8.49E-04	8.81E-04	8.00E-04	8.19E-04	7.73E-04	2.25E-04	2.24E-04	4.49E-04	2.19E-04	2.19E-04	4.38E-04	2.17E-04	2.16E-04	4.32E-04
1879	495561.06, 3859201.99	0.00537	0.00534	8.41E-04	8.72E-04	7.93E-04	8.12E-04	7.66E-04	2.23E-04	2.22E-04	4.44E-04	2.17E-04	2.16E-04	4.34E-04	2.15E-04	2.13E-04	4.28E-04
1880	495611.06, 3859201.99	0.00532	0.0053	8.33E-04	8.65E-04	7.85E-04	8.04E-04	7.59E-04	2.21E-04	2.20E-04	4.41E-04	2.15E-04	2.15E-04	4.30E-04	2.13E-04	2.12E-04	4.24E-04
1881	495661.06, 3859201.99	0.00529	0.00527	8.29E-04	8.60E-04	7.81E-04	8.00E-04	7.54E-04	2.19E-04	2.19E-04	4.38E-04	2.14E-04	2.13E-04	4.28E-04	2.11E-04	2.11E-04	4.22E-04
1882	494311.06, 3859251.99	0.00718	0.00704	1.12E-03	1.15E-03	1.06E-03	1.09E-03	1.02E-03	2.98E-04	2.92E-04	5.90E-04	2.91E-04	2.85E-04	5.76E-04	2.87E-04	2.81E-04	5.68E-04
1883	494361.06, 3859251.99	0.0071	0.00696	1.11E-03	1.14E-03	1.05E-03	1.07E-03	1.01E-03	2.95E-04	2.89E-04	5.83E-04	2.87E-04	2.82E-04	5.69E-04	2.84E-04	2.78E-04	5.62E-04
1884	494411.06, 3859251.99	0.00698	0.00686	1.09E-03	1.12E-03	1.03E-03	1.06E-03	9.95E-04	2.90E-04	2.85E-04	5.74E-04	2.83E-04	2.78E-04	5.60E-04	2.79E-04	2.74E-04	5.53E-04
1885	494461.06, 3859251.99	0.00691	0.00679	1.08E-03	1.11E-03	1.02E-03	1.04E-03	9.85E-04	2.87E-04	2.82E-04	5.68E-04	2.80E-04	2.75E-04	5.55E-04	2.76E-04	2.71E-04	5.47E-04
1886	494511.06, 3859251.99	0.00678	0.00667	1.06E-03	1.09E-03	1.00E-03	1.02E-03	9.67E-04	2.81E-04	2.77E-04	5.58E-04	2.74E-04	2.70E-04	5.45E-04	2.71E-04	2.66E-04	5.37E-04
1887	494561.06, 3859251.99	0.0067	0.0066	1.05E-03	1.08E-03	9.89E-04	1.01E-03	9.55E-04	2.78E-04	2.74E-04	5.52E-04	2.71E-04	2.67E-04	5.38E-04	2.68E-04	2.64E-04	5.31E-04
1888	494611.06, 3859251.99	0.0066	0.00651	1.03E-03	1.06E-03	9.74E-04	9.98E-04	9.41E-04	2.74E-04	2.70E-04	5.44E-04	2.67E-04	2.64E-04	5.31E-04	2.64E-04	2.60E-04	5.24E-04
1889	494661.06, 3859251.99	0.00654	0.00645	1.02E-03	1.05E-03	9.65E-04	9.89E-04	9.33E-04	2.71E-04	2.68E-04	5.39E-04	2.65E-04	2.61E-04	5.26E-04	2.61E-04	2.58E-04	5.19E-04
1890	494711.06, 3859251.99	0.00646	0.00638	1.01E-03	1.04E-03	9.53E-04	9.77E-04	9.21E-04	2.68E-04	2.65E-04	5.33E-04	2.62E-04	2.58E-04	5.20E-04	2.58E-04	2.55E-04	5.13E-04
1891	494761.06, 3859251.99	0.0063	0.00622	9.87E-04	1.02E-03	9.30E-04	9.52E-04	8.98E-04	2.61E-04	2.58E-04	5.19E-04	2.55E-04	2.52E-04	5.07E-04	2.52E-04	2.48E-04	5.00E-04
1892	494811.06, 3859251.99	0.00627	0.0062	9.82E-04	1.01E-03	9.25E-04	9.48E-04	8.94E-04	2.60E-04	2.57E-04	5.17E-04	2.54E-04	2.51E-04	5.05E-04	2.50E-04	2.48E-04	4.98E-04
1893	494861.06, 3859251.99	0.00611	0.00605	9.57E-04	9.88E-04	9.02E-04	9.24E-04	8.71E-04	2.53E-04	2.51E-04	5.04E-04	2.47E-04	2.45E-04	4.92E-04	2.44E-04	2.42E-04	4.86E-04
1894	494911.06, 3859251.99	0.00602	0.00596	9.43E-04	9.73E-04	8.88E-04	9.10E-04	8.58E-04	2.50E-04	2.47E-04	4.97E-04	2.44E-04	2.41E-04	4.85E-04	2.40E-04	2.38E-04	4.79E-04
1895	494961.06, 3859251.99	0.00594	0.00589	9.31E-04	9.61E-04	8.77E-04	8.98E-04	8.47E-04	2.46E-04	2.44E-04	4.91E-04	2.40E-04	2.38E-04	4.79E-04	2.37E-04	2.35E-04	4.73E-04
1896	495011.06, 3859251.99	0.00586	0.00582	9.18E-04	9.50E-04	8.65E-04	8.86E-04	8.36E-04	2.43E-04	2.41E-04	4.85E-04	2.37E-04	2.36E-04	4.73E-04	2.34E-04	2.32E-04	4.67E-04
1897	495061.06, 3859251.99	0.00584	0.0058	9.15E-04	9.47E-04	8.62E-04	8.83E-04	8.33E-04	2.42E-04	2.41E-04	4.83E-04	2.36E-04	2.35E-04	4.71E-04	2.33E-04	2.32E-04	4.65E-04
1898	495111.06, 3859251.99	0.0058	0.00576	9.09E-04	9.40E-04	8.56E-04	8.77E-04	8.27E-04	2.41E-04	2.39E-04	4.80E-04	2.35E-04	2.33E-04	4.68E-04	2.32E-04	2.30E-04	4.62E-04
1899	495161.06, 3859251.99	0.00577	0.00572	9.04E-04	9.34E-04	8.52E-04	8.72E-04	8.23E-04	2.39E-04	2.37E-04	4.77E-04	2.34E-04	2.32E-04	4.65E-04	2.30E-04	2.28E-04	4.59E-04
1900	495211.06, 3859251.99	0.00572	0.00568	8.96E-04	9.27E-04	8.44E-04	8.65E-04	8.16E-04	2.37E-04	2.36E-04	4.73E-04	2.32E-04	2.30E-04	4.62E-04	2.28E-04	2.27E-04	4.55E-04
1901	495261.06, 3859251.99	0.00567	0.00564	8.88E-04	9.21E-04	8.37E-04	8.57E-04	8.08E-04	2.35E-04	2.34E-04	4.69E-04	2.30E-04	2.28E-04	4.58E-04	2.26E-04	2.25E-04	4.52E-04
1902	495311.06, 3859251.99	0.00567	0.00563	8.88E-04	9.19E-04	8.37E-04	8.57E-04	8.08E-04	2.35E-04	2.34E-04	4.69E-04	2.30E-04	2.28E-04	4.57E-04	2.26E-04	2.25E-04	4.51E-04
1903	495361.06, 3859251.99	0.00563	0.0056	8.82E-04	9.14E-04	8.31E-04	8.51E-04	8.03E-04	2.34E-04	2.32E-04	4.66E-04	2.28E-04	2.27E-04	4.55E-04	2.25E-04	2.24E-04	4.49E-04
1904	495411.06, 3859251.99	0.00562	0.00559	8.80E-04	9.12E-04	8.29E-04	8.50E-04	8.01E-04	2.33E-04	2.32E-04	4.65E-04	2.28E-04	2.26E-04	4.54E-04	2.25E-04	2.23E-04	4.48E-04
1905	495461.06, 3859251.99	0.00559	0.00555	8.76E-04	9.06E-04	8.25E-04	8.45E-04	7.97E-04	2.32E-04	2.30E-04	4.62E-04	2.26E-04	2.25E-04	4.51E-04	2.23E-04	2.22E-04	4.45E-04
1906	495511.06, 3859251.99	0.00553	0.0055	8.66E-04	8.98E-04	8.16E-04	8.36E-04	7.88E-04	2.29E-04	2.28E-04	4.58E-04	2.24E-04	2.23E-04	4.47E-04	2.21E-04	2.20E-04	4.41E-04
1907	495561.06, 3859251.99	0.00549	0.00546	8.60E-04	8.91E-04	8.10E-04	8.30E-04	7.83E-04	2.28E-04	2.27E-04	4.54E-04	2.22E-04	2.21E-04	4.43E-04	2.19E-04	2.18E-04	4.37E-04
1908	495611.06, 3859251.99	0.00543	0.00541	8.51E-04	8.83E-04	8.01E-04	8.21E-04	7.74E-04	2.25E-04	2.24E-04	4.50E-04	2.20E-04	2.19E-04	4.39E-04	2.17E-04	2.16E-04	4.33E-04
1909	495661.06, 3859251.99	0.0054	0.00537	8.46E-04	8.77E-04	7.97E-04	8.16E-04	7.70E-04	2.24E-04	2.23E-04	4.47E-04	2.19E-04	2.17E-04	4.36E-04	2.16E-04	2.15E-04	4.30E-04
1910	494311.06, 3859301.99	0.00738	0.00723	1.16E-03	1.18E-03	1.09E-03	1.12E-03	1.05E-03	3.06E-04	3.00E-04	6.06E-04	2.99E-04	2.93E-04	5.91E-04	2.95E-04	2.89E-04	5.84E-04
1911	494361.06, 3859301.99	0.00728	0.00714	1.14E-03	1.17E-03	1.07E-03	1.10E-03	1.04E-03	3.02E-04	2.96E-04	5.98E-04	2.95E-04	2.89E-04	5.84E-04	2.91E-04	2.85E-04	5.76E-04
1912	494411.06, 3859301.99	0.00717	0.00703	1.12E-03	1.15E-03	1.06E-03	1.08E-03	1.02E-03	2.97E-04	2.92E-04	5.89E-04	2.90E-04	2.85E-04	5.75E-04	2.86E-04	2.81E-04	5.67E-04
1913	494461.06, 3859301.99	0.00705	0.00693	1.10E-03	1.13E-03	1.04E-03	1.07E-03	1.01E-03	2.92E-04	2.88E-04	5.80E-04	2.85E-04	2.81E-04	5.66E-04	2.82E-04	2.77E-04	5.58E-04
1914	494511.06, 3859301.99	0.00695	0.00683	1.09E-03	1.11E-03	1.03E-03	1.05E-03	9.91E-04	2.88E-04	2.83E-04	5.72E-04	2.81E-04	2.77E-04	5.58E-04	2.78E-04	2.73E-04	5.50E-04
1915	494561.06, 3859301.99	0.00687	0.00676	1.08E-03	1.10E-03	1.01E-03	1.04E-03	9.80E-04	2.85E-04	2.80E-04	5.65E-04	2.78E-04	2.74E-04	5.52E-04	2.74E-04	2.70E-04	5.44E-04
1916	494611.06, 3859301.99	0.00678	0.00667	1.06E-03	1.09E-03	1.00E-03	1.02E-03	9.67E-04	2.81E-04	2.77E-04	5.58E-04	2.74E-04	2.70E-04	5.45E-04	2.71E-04	2.66E-04	5.37E-04
1917	494661.06, 3859301.99	0.00669	0.00659	1.05E-03	1.08E-03	9.87E-04	1.01E-03	9.54E-04	2.78E-04	2.73E-04	5.51E-04	2.71E-04	2.67E-04	5.38E-04	2.67E-04	2.63E-04	5.30E-04
1918	494711.06, 3859301.99	0.00659	0.0065	1.03E-03	1.06E-03	9.73E-04	9.96E-04	9.40E-04	2.73E-04	2.70E-04	5.43E-04	2.67E-04	2.63E-04	5.30E-04	2.63E-04	2.60E-04	5.23E-04
1919	494761.06, 3859301.99	0.0065	0.00642	1.02E-03	1.05E-03	9.59E-04	9.83E-04	9.27E-04	2.70E-04	2.66E-04	5.36E-04	2.63E-04	2.60E-04	5.23E-04	2.60E-04	2.56E-04	5.16E-04
1920	494811.06, 3859301.99	0.00639	0.00631	1.00E-03	1.03E-03	9.43E-04	9.66E-04	9.11E-04	2.65E-04	2.62E-04	5.27E-04	2.59E-04	2.55E-04	5.14E-04	2.55E-04	2.52E-04	5.07E-04
1921	494861.06, 3859301.99	0.00625	0.00618	9.79E-04	1.01E-03	9.22E-04	9.45E-04	8.91E-04	2.59E-04	2.56E-04	5.16E-04	2.53E-04	2.50E-04	5.03E-04	2.50E-04	2.47E-04	4.97E-04
1922	494911.06, 3859301.99	0.00617	0.0061	9.67E-04	9.96E-04	9.11E-04	9.33E-04	8.80E-04	2.56E-04	2.53E-04	5.09E-04	2.50E-04	2.47E-04	4.97E-04	2.46E-04	2.44E-04	4.90E-04
1923	494961.06, 3859301.99	0.00603	0.00597	9.45E-04	9.74E-04	8.90E-04	9.12E-04	8.60E-04	2.50E-04	2.48E-04	4.98E-04	2.44E-04	2.42E-04	4.86E-04	2.41E-04	2.38E-04	4.79E-04
1924	495011.06, 3859301.99	0.00596	0.00591	9.34E-04	9.65E-04	8.80E-04	9.01E-04	8.50E-04	2.47E-04	2.45E-04	4.92E-04	2.41E-04	2.39E-04	4.81E-04	2.38E-04	2.36E-04	4.74E-04
1925	495061.06, 3859301.99	0.00598	0.00593	9.37E-04	9.68E-04	8.83E-04	9.04E-04	8.53E-04	2.48E-04	2.46E-04	4.94E-04	2.42E-04	2.40E-04	4.82E-04	2.39E-04	2.37E-04	4.76E-04
1926	495111.06, 3859301.99	0.00591	0.00586	9.26E-04	9.57E-04	8.72E-04	8.93E-04	8.43E-04	2.45E-04	2.43E-04	4.88E-04	2.39E-04	2.37E-04	4.77E-04	2.36E-04	2.34E-04	4.70E-04
1927	495161.06, 3859301.99	0.00588	0.00584	9.21E-04	9.53E-04	8.68E-04	8.89E-04	8.38E-04	2.44E-04	2.42E-04	4.86E-04	2.38E-04	2.36E-04	4.74E-04	2.35E-04	2.33E-04	4.68E-04
1928	495211.06, 3859301.99	0.00587	0.00583	9.20E-04	9.52E-04	8.66E-04	8.87E-04	8.37E-04	2.44E-04	2.42E-04	4.85E-04	2.38E-04	2.36E-04	4.74E-04	2.34E-04	2.33E-04	4.67E-04
1929	495261.06, 3859301.99	0.00585	0.0058	9.16E-04	9.47E-04	8.63E-04	8.84E-04	8.34E-04	2.43E-04	2.41E-04	4.83E-04	2.37E-04	2.35E-04	4.72E-04	2.34E-04	2.32E-04	4.65E-04
1930	495311.06, 3859301.99	0.00579	0.00575	9.07E-04	9.39E-04	8.55E-04	8.75E-04	8.26E-04	2.40E-04	2.39E-04	4.79E-04	2.34E-04	2.33E-04	4.67E-04	2.31E-04	2.30E-04	4.61E-04
1931	495361.06, 3859301.99	0.00577	0.00573	9.04E-04	9.35E-04	8.52E-04	8.72E-04	8.23E-04	2.39E-04	2.38E-04	4.77E-04	2.34E-04	2.32E-04	4.66E-04	2.30E-04	2.29E-04	4.59E-04
1932	495411.06, 3859301.99	0.00574	0.0057	8.99E-04	9.30E-04	8.47E-04	8.68E-04	8.18E-04	2.38E-04	2.36E-04	4.75E-04	2.32E-04	2.31E-04	4.63E-04	2.29E-04	2.28E-04	4.57E-04
1933	495461.06, 3859301.99	0.00571	0.00567	8.94E-04	9.26E-04	8.43E-04	8.63E-04	8.14E-04	2.37E-04	2.35E-04	4.72E-04	2.31E-04	2.30E-04	4.61E-04	2.28E-04	2.26E-04	4.55E-04
1934	495511.06, 3859301.99	0.00566	0.00562	8.87E-04	9.17E-04	8.35E-04	8.56E-04	8.07E-04	2.35E-04	2.33E-04	4.68E-04	2.29E-04	2.28E-04	4.57E-04	2.26E-04	2.25E-04	4.51E-04
1935	495561.06, 3859301.99	0.00559	0.00555	8.76E-04	9.06E-04	8.25E-04	8.45E-04	7.97E-04	2.32E-04	2.30E-04	4.62E-04	2.26E-04	2.25E-04	4.51E-04	2.23E-04	2.22E-04	4.45E-04
1936	495611.06, 3859301.99	0.00555	0.00551	8.69E-04	8.99E-04	8.19E-04	8.39E-04	7.91E-04	2.30E-04	2.29E-04	4.59E-04	2.25E-04	2.23E-04	4.48E-04	2.22E-04	2.20E-04	4.42E-04
1937	495661.06, 3859301.99	0.0055	0.00547	8.62E-04	8.93E-04	8.12E-04	8.31E-04	7.84E-04	2.28E-04	2.27E-04	4.55E-04	2.23E-04	2.21E-04	4.44E-04	2.20E-04	2.19E-04	4.38E-04
1938	494311.06, 3859351.99	0.00756	0.00739	1.18E-03	1.21E-03	1.12E-03	1.14E-03	1.08E-03	3.14E-04	3.07E-04	6.20E-04	3.06E-04	2.99E-04	6.05E-04	3.02E-04	2.95E-04	5.97E-04
1939	494361.06, 3859351.99	0.00746	0.0073	1.17E-03	1.19E-03	1.10E-03	1.13E-03	1.06E-03	3.09E-04	3.03E-04	6.12E-04	3.02E-04	2.96E-04	5.98E-04	2.98E-04	2.92E-04	5.90E-04
1940	494411.06, 3859351.99	0.00733	0.00718	1.15E-03	1.17E-03	1.08E-03	1.11E-03	1.05E-03	3.04E-04	2.98E-04	6.02E-04	2.97E-04	2.91E-04	5.87E-04	2.93E-04	2.87E-04	5.80E-04
1941	494461.06, 3859351.99	0.00722	0.00707	1.13E-03	1.15E-03	1.07E-03	1.09E-03	1.03E-03	3.00E-04	2.93E-04	5.93E-04	2.92E-04	2.86E-04	5.79E-04	2.88E-04	2.82E-04	5.71E-04
1942	494511.06, 3859351.99	0.00711	0.00698	1.11E-03	1.14E-03	1.05E-03	1.07E-03	1.01E-03	2.95E-04	2.90E-04	5.85E-04	2.88E-04	2.83E-04	5.70E-04	2.84E-04	2.79E-04	5.63E-04
1943	494561.06, 3859351.99	0.00703	0.00691	1.10E-03	1.13E-03	1.04E-03	1.06E-03	1.00E-03	2.92E-04	2.87E-04	5.78E-04	2.85E-04	2.80E-04	5.64E-04	2.81E-04	2.76E-04	5.57E-04
1944	494611.06, 3859351.99	0.00695	0.00682	1.09E-03	1.11E-03	1.03E-03	1.05E-03	9.91E-04	2.88E-04	2.83E-04	5.71E-04	2.81E-04	2.76E-04	5.57E-04	2.78E-04	2.72E-04	5.50E-04
1945	494661.06, 3859351.99	0.00685	0.00674	1.07E-03	1.10E-03	1.01E-03	1.04E-03	9.77E-04	2.84E-04	2.80E-04	5.64E-04	2.77E-04	2.73E-04	5.50E-04	2.74E-04	2.69E-04	5.43E-04
1946	494711.06, 3859351.99	0.00674	0.00663	1.06E-03	1.08E-03	9.95E-04	1.02E-03	9.61E-04	2.80E-04	2.75E-04	5.55E-04	2.73E-04	2.68E-04	5.41E-04	2.69E-04	2.65E-04	5.34E-04
1947	494761.06, 3859351.99	0.00659	0.00649	1.03E-03	1.06E-03	9.73E-04	9.96E-04	9.40E-04	2.73E-04	2.69E-04	5.43E-04	2.67E-04	2.63E-04	5.30E-04	2.63E-04	2.59E-04	5.23E-04
1948	494811.06, 3859351.99	0.00645	0.00637	1.01E-03	1.04E-03	9.52E-04	9.75E-04	9.20E-04	2.68E-04	2.64E-04	5.32E-04	2.61E-04	2.58E-04	5.19E-04	2.58E-04	2.54E-04	5.12E-04
1949	494861.06, 3859351.99	0.00638	0.0063	9.99E-04	1.03E-03	9.42E-04	9.64E-04	9.10E-04	2.65E-04	2.61E-04	5.26E-04	2.58E-04	2.55E-04	5.13E-04	2.55E-04	2.52E-04	5.07E-04
1950	494911.06, 3859351.99	0.00632	0.00625	9.90E-04	1.02E-03	9.33E-04	9.55E-04	9.01E-04	2.62E-04	2.59E-04	5.22E-04	2.56E-04	2.53E-04	5.09E-04	2.52E-04	2.50E-04	5.02E-04
1951	494961.06, 3859351.99	0.00624	0.00617	9.78E-04	1.01E-03	9.21E-04	9.43E-04	8.90E-04	2.59E-04	2.56E-04	5.15E-04	2.53E-04	2.50E-04	5.02E-04	2.49E-04	2.46E-04	4.96E-04
1952	495011.06, 3859351.99	0.00618	0.00612	9.68E-04	9.99E-04	9.12E-04	9.34E-04	8.81E-04	2.56E-04	2.54E-04	5.10E-04	2.50E-04	2.48E-04	4.98E-04	2.47E-04	2.44E-04	4.91E-04
1953	495061.06, 3859351.99	0.00618	0.00611	9.68E-04	9.97E-04	9.12E-04	9.34E-04	8.81E-04	2.56E-04	2.53E-04	5.10E-04	2.50E-04	2.47E-04	4.98E-04	2.47E-04	2.44E-04	4.91E-04
1954	495111.06, 3859351.99	0.00611	0.00605	9.57E-04	9.88E-04	9.02E-04	9.24E-04	8.71E-04	2.53E-04	2.51E-04	5.04E-04	2.47E-04	2.45E-04	4.92E-04	2.44E-04	2.42E-04	4.86E-04
1955	495161.06, 3859351.99	0.00607	0.00601	9.51E-04	9.81E-04	8.96E-04	9.18E-04	8.65E-04	2.52E-04	2.49E-04	5.01E-04	2.46E-04	2.43E-04	4.89E-04	2.42E-04	2.40E-04	4.83E-04
1956	495211.06, 3859351.99	0.00603	0.00597	9.45E-04	9.74E-04	8.90E-04	9.12E-04	8.60E-04	2.50E-04	2.48E-04	4.98E-04	2.44E-04	2.42E-04	4.86E-04	2.41E-04	2.38E-04	4.79E-04
1957	495261.06, 3859351.99	0.006	0.00594	9.40E-04	9.70E-04	8.86E-04	9.07E-04	8.56E-04	2.49E-04	2.46E-04	4.95E-04	2.43E-04	2.40E-04	4.83E-04	2.40E-04	2.37E-04	4.77E-04
1958	495311.06, 3859351.99	0.00594	0.00589	9.31E-04	9.61E-04	8.77E-04	8.98E-04	8.47E-04	2.46E-04	2.44E-04	4.91E-04	2.40E-04	2.38E-04	4.79E-04	2.37E-04	2.35E-04	4.73E-04
1959	495361.06, 3859351.99	0.0059	0.00585	9.24E-04	9.55E-04	8.71E-04	8.92E-04	8.41E-04	2.45E-04	2.43E-04	4.87E-04	2.39E-04	2.37E-04	4.76E-04	2.36E-04	2.34E-04	4.69E-04
1960	495411.06, 3859351.99	0.00587	0.00583	9.20E-04	9.52E-04	8.66E-04	8.87E-04	8.37E-04	2.44E-04	2.42E-04	4.85E-04	2.38E-04	2.36E-04	4.74E-04	2.34E-04	2.33E-04	4.67E-04
1961	495461.06, 3859351.99	0.00585	0.00581	9.16E-04	9.48E-04	8.63E-04	8.84E-04	8.34E-04	2.43E-04	2.41E-04	4.84E-04	2.37E-04	2.35E-04	4.72E-04	2.34E-04	2.32E-04	4.66E-04
1962	495511.06, 3859351.99	0.00578	0.00574	9.05E-04	9.37E-04	8.53E-04	8.74E-04	8.24E-04	2.40E-04	2.38E-04	4.78E-04	2.34E-04	2.32E-04	4.66E-04	2.31E-04	2.29E-04	4.60E-04
1963	495561.06, 3859351.99	0.00573	0.00569	8.98E-04	9.29E-04	8.46E-04	8.66E-04	8.17E-04	2.38E-04	2.36E-04	4.74E-04	2.32E-04	2.30E-04	4.62E-04	2.29E-04	2.27E-04	4.56E-04
1964	495611.06, 3859351.99	0.00569	0.00565	8.91E-04	9.22E-04	8.40E-04	8.60E-04	8.11E-04	2.36E-04	2.34E-04	4.70E-04	2.30E-04	2.29E-04	4.59E-04	2.27E-04	2.26E-04	4.53E-04
1965	495661.06, 3859351.99	0.00562	0.00559	8.80E-04	9.12E-04	8.29E-04	8.50E-04	8.01E-04	2.33E-04	2.32E-04	4.65E-04	2.28E-04	2.26E-04	4.54E-04	2.25E-04	2.23E-04	4.48E-04
1966	494311.06, 3859401.99	0.00776	0.00758	1.22E-03	1.24E-03	1.15E-03	1.17E-03	1.11E-03	3.22E-04	3.14E-04	6.36E-04	3.14E-04	3.07E-04	6.21E-04	3.10E-04	3.03E-04	6.13E-04
1967	494361.06, 3859401.99	0.00762	0.00745	1.19E-03	1.22E-03	1.12E-03	1.15E-03	1.09E-03	3.16E-04	3.09E-04	6.25E-04	3.08E-04	3.02E-04	6.10E-04	3.04E-04	2.98E-04	6.02E-04
1968	494411.06, 3859401.99	0.00749	0.00733	1.17E-03	1.20E-03	1.11E-03	1.13E-03	1.07E-03	3.11E-04	3.04E-04	6.15E-04	3.03E-04	2.97E-04	6.00E-04	2.99E-04	2.93E-04	5.92E-04

1969	494461.06, 3859401.99	0.00738	0.00723	1.16E-03	1.18E-03	1.09E-03	1.12E-03	1.05E-03	3.06E-04	3.00E-04	6.06E-04	2.99E-04	2.93E-04	5.91E-04	2.95E-04	2.89E-04	5.84E-04
1970	494511.06, 3859401.99	0.0073	0.00715	1.14E-03	1.17E-03	1.08E-03	1.10E-03	1.04E-03	3.03E-04	2.97E-04	5.99E-04	2.96E-04	2.89E-04	5.85E-04	2.92E-04	2.86E-04	5.77E-04
1971	494561.06, 3859401.99	0.00722	0.00707	1.13E-03	1.15E-03	1.07E-03	1.09E-03	1.03E-03	3.00E-04	2.93E-04	5.93E-04	2.92E-04	2.86E-04	5.79E-04	2.88E-04	2.82E-04	5.71E-04
1972	494611.06, 3859401.99	0.00711	0.00698	1.11E-03	1.14E-03	1.05E-03	1.07E-03	1.01E-03	2.95E-04	2.90E-04	5.85E-04	2.88E-04	2.83E-04	5.70E-04	2.84E-04	2.79E-04	5.63E-04
1973	494661.06, 3859401.99	0.00704	0.00691	1.10E-03	1.13E-03	1.04E-03	1.06E-03	1.00E-03	2.92E-04	2.87E-04	5.79E-04	2.85E-04	2.80E-04	5.65E-04	2.81E-04	2.76E-04	5.57E-04
1974	494711.06, 3859401.99	0.00694	0.00682	1.09E-03	1.11E-03	1.02E-03	1.05E-03	9.90E-04	2.88E-04	2.83E-04	5.71E-04	2.81E-04	2.76E-04	5.57E-04	2.77E-04	2.72E-04	5.50E-04
1975	494761.06, 3859401.99	0.00677	0.00666	1.06E-03	1.09E-03	9.99E-04	1.02E-03	9.65E-04	2.81E-04	2.76E-04	5.57E-04	2.74E-04	2.70E-04	5.44E-04	2.70E-04	2.66E-04	5.36E-04
1976	494811.06, 3859401.99	0.00668	0.00658	1.05E-03	1.07E-03	9.86E-04	1.01E-03	9.52E-04	2.77E-04	2.73E-04	5.50E-04	2.70E-04	2.66E-04	5.37E-04	2.67E-04	2.63E-04	5.30E-04
1977	494861.06, 3859401.99	0.00655	0.00646	1.03E-03	1.05E-03	9.67E-04	9.90E-04	9.34E-04	2.72E-04	2.68E-04	5.40E-04	2.65E-04	2.62E-04	5.27E-04	2.62E-04	2.58E-04	5.20E-04
1978	494911.06, 3859401.99	0.00645	0.00636	1.01E-03	1.04E-03	9.52E-04	9.75E-04	9.20E-04	2.68E-04	2.64E-04	5.31E-04	2.61E-04	2.57E-04	5.19E-04	2.58E-04	2.54E-04	5.12E-04
1979	494961.06, 3859401.99	0.00641	0.00632	1.00E-03	1.03E-03	9.46E-04	9.69E-04	9.14E-04	2.66E-04	2.62E-04	5.28E-04	2.60E-04	2.56E-04	5.15E-04	2.56E-04	2.52E-04	5.09E-04
1980	495011.06, 3859401.99	0.00636	0.00628	9.96E-04	1.03E-03	9.39E-04	9.61E-04	9.07E-04	2.64E-04	2.61E-04	5.24E-04	2.57E-04	2.54E-04	5.12E-04	2.54E-04	2.51E-04	5.05E-04
1981	495061.06, 3859401.99	0.0063	0.00623	9.87E-04	1.02E-03	9.30E-04	9.52E-04	8.98E-04	2.61E-04	2.58E-04	5.20E-04	2.55E-04	2.52E-04	5.07E-04	2.52E-04	2.49E-04	5.01E-04
1982	495111.06, 3859401.99	0.00623	0.00616	9.76E-04	1.01E-03	9.19E-04	9.42E-04	8.88E-04	2.58E-04	2.56E-04	5.14E-04	2.52E-04	2.49E-04	5.02E-04	2.49E-04	2.46E-04	4.95E-04
1983	495161.06, 3859401.99	0.00621	0.00615	9.73E-04	1.00E-03	9.17E-04	9.39E-04	8.85E-04	2.58E-04	2.55E-04	5.13E-04	2.51E-04	2.49E-04	5.00E-04	2.48E-04	2.46E-04	4.94E-04
1984	495211.06, 3859401.99	0.00619	0.00612	9.70E-04	9.99E-04	9.14E-04	9.36E-04	8.83E-04	2.57E-04	2.54E-04	5.11E-04	2.51E-04	2.48E-04	4.98E-04	2.47E-04	2.44E-04	4.92E-04
1985	495261.06, 3859401.99	0.00614	0.00608	9.62E-04	9.92E-04	9.06E-04	9.28E-04	8.75E-04	2.55E-04	2.52E-04	5.07E-04	2.49E-04	2.46E-04	4.95E-04	2.45E-04	2.43E-04	4.88E-04
1986	495311.06, 3859401.99	0.00609	0.00603	9.54E-04	9.84E-04	8.99E-04	9.21E-04	8.68E-04	2.53E-04	2.50E-04	5.03E-04	2.47E-04	2.44E-04	4.91E-04	2.43E-04	2.41E-04	4.84E-04
1987	495361.06, 3859401.99	0.00607	0.00601	9.51E-04	9.81E-04	8.96E-04	9.18E-04	8.65E-04	2.52E-04	2.49E-04	5.01E-04	2.46E-04	2.43E-04	4.89E-04	2.42E-04	2.40E-04	4.83E-04
1988	495411.06, 3859401.99	0.00604	0.00598	9.46E-04	9.76E-04	8.91E-04	9.13E-04	8.61E-04	2.51E-04	2.48E-04	4.99E-04	2.45E-04	2.42E-04	4.87E-04	2.41E-04	2.39E-04	4.80E-04
1989	495461.06, 3859401.99	0.00598	0.00593	9.37E-04	9.68E-04	8.83E-04	9.04E-04	8.53E-04	2.48E-04	2.46E-04	4.94E-04	2.42E-04	2.40E-04	4.82E-04	2.39E-04	2.37E-04	4.76E-04
1990	495511.06, 3859401.99	0.00591	0.00586	9.26E-04	9.57E-04	8.72E-04	8.93E-04	8.43E-04	2.45E-04	2.43E-04	4.88E-04	2.39E-04	2.37E-04	4.77E-04	2.36E-04	2.34E-04	4.70E-04
1991	495561.06, 3859401.99	0.00584	0.00579	9.15E-04	9.45E-04	8.62E-04	8.83E-04	8.33E-04	2.42E-04	2.40E-04	4.83E-04	2.36E-04	2.34E-04	4.71E-04	2.33E-04	2.31E-04	4.65E-04
1992	495611.06, 3859401.99	0.00579	0.00575	9.07E-04	9.39E-04	8.55E-04	8.75E-04	8.26E-04	2.40E-04	2.39E-04	4.79E-04	2.34E-04	2.33E-04	4.67E-04	2.31E-04	2.30E-04	4.61E-04
1993	495661.06, 3859401.99	0.00575	0.00571	9.01E-04	9.32E-04	8.49E-04	8.69E-04	8.20E-04	2.39E-04	2.37E-04	4.75E-04	2.33E-04	2.31E-04	4.64E-04	2.30E-04	2.28E-04	4.58E-04
1994	494311.06, 3859451.99	0.00792	0.00773	1.24E-03	1.26E-03	1.17E-03	1.20E-03	1.13E-03	3.29E-04	3.21E-04	6.49E-04	3.21E-04	3.13E-04	6.34E-04	3.16E-04	3.09E-04	6.25E-04
1995	494361.06, 3859451.99	0.00779	0.00761	1.22E-03	1.24E-03	1.15E-03	1.18E-03	1.11E-03	3.23E-04	3.16E-04	6.39E-04	3.15E-04	3.08E-04	6.23E-04	3.11E-04	3.04E-04	6.15E-04
1996	494411.06, 3859451.99	0.00762	0.00745	1.19E-03	1.22E-03	1.12E-03	1.15E-03	1.09E-03	3.16E-04	3.09E-04	6.25E-04	3.08E-04	3.02E-04	6.10E-04	3.04E-04	2.98E-04	6.02E-04
1997	494461.06, 3859451.99	0.00755	0.00739	1.18E-03	1.21E-03	1.11E-03	1.14E-03	1.08E-03	3.13E-04	3.07E-04	6.20E-04	3.06E-04	2.99E-04	6.05E-04	3.02E-04	2.95E-04	5.97E-04
1998	494511.06, 3859451.99	0.00744	0.00729	1.17E-03	1.19E-03	1.10E-03	1.12E-03	1.06E-03	3.09E-04	3.02E-04	6.11E-04	3.01E-04	2.95E-04	5.96E-04	2.97E-04	2.91E-04	5.88E-04
1999	494561.06, 3859451.99	0.00736	0.00721	1.15E-03	1.18E-03	1.09E-03	1.11E-03	1.05E-03	3.05E-04	2.99E-04	6.04E-04	2.98E-04	2.92E-04	5.90E-04	2.94E-04	2.88E-04	5.82E-04
2000	494611.06, 3859451.99	0.0073	0.00715	1.14E-03	1.17E-03	1.08E-03	1.10E-03	1.04E-03	3.03E-04	2.97E-04	5.99E-04	2.96E-04	2.89E-04	5.85E-04	2.92E-04	2.86E-04	5.77E-04
2001	494661.06, 3859451.99	0.00719	0.00705	1.13E-03	1.15E-03	1.06E-03	1.09E-03	1.03E-03	2.98E-04	2.92E-04	5.91E-04	2.91E-04	2.85E-04	5.76E-04	2.87E-04	2.82E-04	5.69E-04
2002	494711.06, 3859451.99	0.00709	0.00695	1.11E-03	1.13E-03	1.05E-03	1.07E-03	1.01E-03	2.94E-04	2.88E-04	5.82E-04	2.87E-04	2.81E-04	5.68E-04	2.83E-04	2.78E-04	5.61E-04
2003	494761.06, 3859451.99	0.007	0.00687	1.10E-03	1.12E-03	1.03E-03	1.06E-03	9.98E-04	2.90E-04	2.85E-04	5.75E-04	2.83E-04	2.78E-04	5.62E-04	2.80E-04	2.74E-04	5.54E-04
2004	494811.06, 3859451.99	0.00687	0.00675	1.08E-03	1.10E-03	1.01E-03	1.04E-03	9.80E-04	2.85E-04	2.80E-04	5.65E-04	2.78E-04	2.73E-04	5.51E-04	2.74E-04	2.70E-04	5.44E-04
2005	494861.06, 3859451.99	0.00676	0.00665	1.06E-03	1.09E-03	9.98E-04	1.02E-03	9.64E-04	2.80E-04	2.76E-04	5.56E-04	2.74E-04	2.69E-04	5.43E-04	2.70E-04	2.66E-04	5.36E-04
2006	494911.06, 3859451.99	0.00667	0.00657	1.04E-03	1.07E-03	9.84E-04	1.01E-03	9.51E-04	2.77E-04	2.73E-04	5.49E-04	2.70E-04	2.66E-04	5.36E-04	2.66E-04	2.62E-04	5.29E-04
2007	494961.06, 3859451.99	0.00662	0.00652	1.04E-03	1.06E-03	9.77E-04	1.00E-03	9.44E-04	2.75E-04	2.71E-04	5.45E-04	2.68E-04	2.64E-04	5.32E-04	2.64E-04	2.60E-04	5.25E-04
2008	495011.06, 3859451.99	0.00655	0.00646	1.03E-03	1.05E-03	9.67E-04	9.90E-04	9.34E-04	2.72E-04	2.68E-04	5.40E-04	2.65E-04	2.62E-04	5.27E-04	2.62E-04	2.58E-04	5.20E-04
2009	495061.06, 3859451.99	0.00649	0.0064	1.02E-03	1.04E-03	9.58E-04	9.81E-04	9.25E-04	2.69E-04	2.66E-04	5.35E-04	2.63E-04	2.59E-04	5.22E-04	2.59E-04	2.56E-04	5.15E-04
2010	495111.06, 3859451.99	0.00642	0.00634	1.01E-03	1.03E-03	9.48E-04	9.70E-04	9.15E-04	2.66E-04	2.63E-04	5.29E-04	2.60E-04	2.57E-04	5.17E-04	2.56E-04	2.53E-04	5.10E-04
2011	495161.06, 3859451.99	0.00638	0.0063	9.99E-04	1.03E-03	9.42E-04	9.64E-04	9.10E-04	2.65E-04	2.61E-04	5.26E-04	2.58E-04	2.55E-04	5.13E-04	2.55E-04	2.52E-04	5.07E-04
2012	495211.06, 3859451.99	0.00635	0.00627	9.95E-04	1.02E-03	9.37E-04	9.60E-04	9.05E-04	2.63E-04	2.60E-04	5.24E-04	2.57E-04	2.54E-04	5.11E-04	2.54E-04	2.50E-04	5.04E-04
2013	495261.06, 3859451.99	0.00631	0.00624	9.88E-04	1.02E-03	9.31E-04	9.54E-04	9.00E-04	2.62E-04	2.59E-04	5.21E-04	2.55E-04	2.53E-04	5.08E-04	2.52E-04	2.49E-04	5.01E-04
2014	495311.06, 3859451.99	0.00626	0.00619	9.81E-04	1.01E-03	9.24E-04	9.46E-04	8.93E-04	2.60E-04	2.57E-04	5.17E-04	2.53E-04	2.51E-04	5.04E-04	2.50E-04	2.47E-04	4.97E-04
2015	495361.06, 3859451.99	0.00622	0.00615	9.74E-04	1.00E-03	9.18E-04	9.40E-04	8.87E-04	2.58E-04	2.55E-04	5.13E-04	2.52E-04	2.49E-04	5.01E-04	2.48E-04	2.46E-04	4.94E-04
2016	495411.06, 3859451.99	0.00617	0.0061	9.67E-04	9.96E-04	9.11E-04	9.33E-04	8.80E-04	2.56E-04	2.53E-04	5.09E-04	2.50E-04	2.47E-04	4.97E-04	2.46E-04	2.44E-04	4.90E-04
2017	495461.06, 3859451.99	0.00612	0.00606	9.59E-04	9.89E-04	9.03E-04	9.25E-04	8.73E-04	2.54E-04	2.51E-04	5.05E-04	2.48E-04	2.45E-04	4.93E-04	2.44E-04	2.42E-04	4.87E-04
2018	495511.06, 3859451.99	0.00604	0.00598	9.46E-04	9.76E-04	8.91E-04	9.13E-04	8.61E-04	2.51E-04	2.48E-04	4.99E-04	2.45E-04	2.42E-04	4.87E-04	2.41E-04	2.39E-04	4.80E-04
2019	495561.06, 3859451.99	0.00599	0.00593	9.38E-04	9.68E-04	8.84E-04	9.05E-04	8.54E-04	2.49E-04	2.46E-04	4.95E-04	2.43E-04	2.40E-04	4.83E-04	2.39E-04	2.37E-04	4.76E-04
2020	495611.06, 3859451.99	0.00593	0.00588	9.29E-04	9.60E-04	8.75E-04	8.96E-04	8.46E-04	2.46E-04	2.44E-04	4.90E-04	2.40E-04	2.38E-04	4.78E-04	2.37E-04	2.35E-04	4.72E-04
2021	495661.06, 3859451.99	0.00589	0.00583	9.23E-04	9.52E-04	8.69E-04	8.90E-04	8.40E-04	2.44E-04	2.42E-04	4.86E-04	2.38E-04	2.36E-04	4.74E-04	2.35E-04	2.33E-04	4.68E-04
2022	494311.06, 3859501.99	0.0081	0.00791	1.27E-03	1.29E-03	1.20E-03	1.22E-03	1.15E-03	3.36E-04	3.28E-04	6.64E-04	3.28E-04	3.20E-04	6.48E-04	3.24E-04	3.16E-04	6.40E-04
2023	494361.06, 3859501.99	0.00797	0.00778	1.25E-03	1.27E-03	1.18E-03	1.20E-03	1.14E-03	3.31E-04	3.23E-04	6.53E-04	3.23E-04	3.15E-04	6.38E-04	3.18E-04	3.11E-04	6.29E-04
2024	494411.06, 3859501.99	0.00775	0.00758	1.21E-03	1.24E-03	1.14E-03	1.17E-03	1.11E-03	3.22E-04	3.14E-04	6.36E-04	3.14E-04	3.07E-04	6.21E-04	3.10E-04	3.03E-04	6.12E-04
2025	494461.06, 3859501.99	0.00773	0.00756	1.21E-03	1.23E-03	1.14E-03	1.17E-03	1.10E-03	3.21E-04	3.14E-04	6.34E-04	3.13E-04	3.06E-04	6.19E-04	3.09E-04	3.02E-04	6.11E-04
2026	494511.06, 3859501.99	0.00761	0.00744	1.19E-03	1.21E-03	1.12E-03	1.15E-03	1.09E-03	3.16E-04	3.09E-04	6.24E-04	3.08E-04	3.01E-04	6.09E-04	3.04E-04	2.97E-04	6.01E-04
2027	494561.06, 3859501.99	0.00751	0.00735	1.18E-03	1.20E-03	1.11E-03	1.14E-03	1.07E-03	3.12E-04	3.05E-04	6.17E-04	3.04E-04	2.98E-04	6.02E-04	3.00E-04	2.94E-04	5.94E-04
2028	494611.06, 3859501.99	0.00749	0.00733	1.17E-03	1.20E-03	1.11E-03	1.13E-03	1.07E-03	3.11E-04	3.04E-04	6.15E-04	3.03E-04	2.97E-04	6.00E-04	2.99E-04	2.93E-04	5.92E-04
2029	494661.06, 3859501.99	0.00737	0.00721	1.15E-03	1.18E-03	1.09E-03	1.11E-03	1.05E-03	3.06E-04	2.99E-04	6.05E-04	2.98E-04	2.92E-04	5.90E-04	2.94E-04	2.88E-04	5.82E-04
2030	494711.06, 3859501.99	0.00722	0.00708	1.13E-03	1.16E-03	1.07E-03	1.09E-03	1.03E-03	3.00E-04	2.94E-04	5.93E-04	2.92E-04	2.87E-04	5.79E-04	2.88E-04	2.83E-04	5.71E-04
2031	494761.06, 3859501.99	0.00718	0.00704	1.12E-03	1.15E-03	1.06E-03	1.09E-03	1.02E-03	2.98E-04	2.92E-04	5.90E-04	2.91E-04	2.85E-04	5.76E-04	2.87E-04	2.81E-04	5.68E-04
2032	494811.06, 3859501.99	0.00701	0.00688	1.10E-03	1.12E-03	1.03E-03	1.06E-03	1.00E-03	2.91E-04	2.85E-04	5.76E-04	2.84E-04	2.79E-04	5.62E-04	2.80E-04	2.75E-04	5.55E-04
2033	494861.06, 3859501.99	0.00693	0.00681	1.09E-03	1.11E-03	1.02E-03	1.05E-03	9.88E-04	2.88E-04	2.83E-04	5.70E-04	2.81E-04	2.76E-04	5.56E-04	2.77E-04	2.72E-04	5.49E-04
2034	494911.06, 3859501.99	0.00687	0.00676	1.08E-03	1.10E-03	1.01E-03	1.04E-03	9.80E-04	2.85E-04	2.80E-04	5.65E-04	2.78E-04	2.74E-04	5.52E-04	2.74E-04	2.70E-04	5.44E-04
2035	494961.06, 3859501.99	0.00678	0.00667	1.06E-03	1.09E-03	1.00E-03	1.02E-03	9.67E-04	2.81E-04	2.77E-04	5.58E-04	2.74E-04	2.70E-04	5.45E-04	2.71E-04	2.66E-04	5.37E-04
2036	495011.06, 3859501.99	0.00673	0.00662	1.05E-03	1.08E-03	9.93E-04	1.02E-03	9.60E-04	2.79E-04	2.75E-04	5.54E-04	2.72E-04	2.68E-04	5.40E-04	2.69E-04	2.64E-04	5.33E-04
2037	495061.06, 3859501.99	0.00668	0.00657	1.05E-03	1.07E-03	9.86E-04	1.01E-03	9.52E-04	2.77E-04	2.73E-04	5.50E-04	2.70E-04	2.66E-04	5.36E-04	2.67E-04	2.62E-04	5.29E-04
2038	495111.06, 3859501.99	0.00659	0.00649	1.03E-03	1.06E-03	9.73E-04	9.96E-04	9.40E-04	2.73E-04	2.69E-04	5.43E-04	2.67E-04	2.63E-04	5.30E-04	2.63E-04	2.59E-04	5.23E-04
2039	495161.06, 3859501.99	0.00654	0.00645	1.02E-03	1.05E-03	9.65E-04	9.89E-04	9.33E-04	2.71E-04	2.68E-04	5.39E-04	2.65E-04	2.61E-04	5.26E-04	2.61E-04	2.58E-04	5.19E-04
2040	495211.06, 3859501.99	0.00651	0.00642	1.02E-03	1.05E-03	9.61E-04	9.84E-04	9.28E-04	2.70E-04	2.66E-04	5.36E-04	2.64E-04	2.60E-04	5.23E-04	2.60E-04	2.56E-04	5.17E-04
2041	495261.06, 3859501.99	0.00647	0.00638	1.01E-03	1.04E-03	9.55E-04	9.78E-04	9.23E-04	2.68E-04	2.65E-04	5.33E-04	2.62E-04	2.58E-04	5.20E-04	2.58E-04	2.55E-04	5.13E-04
2042	495311.06, 3859501.99	0.00643	0.00634	1.01E-03	1.03E-03	9.49E-04	9.72E-04	9.17E-04	2.67E-04	2.63E-04	5.30E-04	2.60E-04	2.57E-04	5.17E-04	2.57E-04	2.53E-04	5.10E-04
2043	495361.06, 3859501.99	0.00637	0.00629	9.98E-04	1.03E-03	9.40E-04	9.63E-04	9.08E-04	2.64E-04	2.61E-04	5.25E-04	2.58E-04	2.55E-04	5.13E-04	2.54E-04	2.51E-04	5.06E-04
2044	495411.06, 3859501.99	0.00633	0.00625	9.92E-04	1.02E-03	9.34E-04	9.57E-04	9.03E-04	2.63E-04	2.59E-04	5.22E-04	2.56E-04	2.53E-04	5.09E-04	2.53E-04	2.50E-04	5.03E-04
2045	495461.06, 3859501.99	0.00627	0.0062	9.82E-04	1.01E-03	9.25E-04	9.48E-04	8.94E-04	2.60E-04	2.57E-04	5.17E-04	2.54E-04	2.51E-04	5.05E-04	2.50E-04	2.48E-04	4.98E-04
2046	495511.06, 3859501.99	0.00616	0.00609	9.65E-04	9.94E-04	9.09E-04	9.31E-04	8.78E-04	2.56E-04	2.53E-04	5.08E-04	2.49E-04	2.47E-04	4.96E-04	2.46E-04	2.43E-04	4.89E-04
2047	495561.06, 3859501.99	0.00614	0.00607	9.62E-04	9.91E-04	9.06E-04	9.28E-04	8.75E-04	2.55E-04	2.52E-04	5.07E-04	2.49E-04	2.46E-04	4.94E-04	2.45E-04	2.42E-04	4.88E-04
2048	495611.06, 3859501.99	0.00608	0.00602	9.52E-04	9.83E-04	8.97E-04	9.19E-04	8.67E-04	2.52E-04	2.50E-04	5.02E-04	2.46E-04	2.44E-04	4.90E-04	2.43E-04	2.40E-04	4.83E-04
2049	495661.06, 3859501.99	0.00602	0.00596	9.43E-04	9.73E-04	8.88E-04	9.10E-04	8.58E-04	2.50E-04	2.47E-04	4.97E-04	2.44E-04	2.41E-04	4.85E-04	2.40E-04	2.38E-04	4.79E-04
2050	494311.06, 3859551.99	0.00828	0.00808	1.30E-03	1.32E-03	1.22E-03	1.25E-03	1.18E-03	3.44E-04	3.35E-04	6.79E-04	3.35E-04	3.27E-04	6.62E-04	3.31E-04	3.23E-04	6.54E-04
2051	494361.06, 3859551.99	0.00809	0.00789	1.27E-03	1.29E-03	1.19E-03	1.22E-03	1.15E-03	3.36E-04	3.27E-04	6.63E-04	3.28E-04	3.19E-04	6.47E-04	3.23E-04	3.15E-04	6.38E-04
2052	494411.06, 3859551.99	0.00788	0.0077	1.23E-03	1.26E-03	1.16E-03	1.19E-03	1.12E-03	3.27E-04	3.19E-04	6.46E-04	3.19E-04	3.12E-04	6.31E-04	3.15E-04	3.08E-04	6.22E-04
2053	494461.06, 3859551.99	0.0079	0.00772	1.24E-03	1.26E-03	1.17E-03	1.19E-03	1.13E-03	3.28E-04	3.20E-04	6.48E-04	3.20E-04	3.13E-04	6.32E-04	3.16E-04	3.08E-04	6.24E-04
2054	494511.06, 3859551.99	0.00778	0.00761	1.22E-03	1.24E-03	1.15E-03	1.18E-03	1.11E-03	3.23E-04	3.16E-04	6.38E-04	3.15E-04	3.08E-04	6.23E-04	3.11E-04	3.04E-04	6.15E-04
2055	494561.06, 3859551.99	0.00768	0.00751	1.20E-03	1.23E-03	1.13E-03	1.16E-03	1.10E-03	3.19E-04	3.12E-04	6.30E-04	3.11E-04	3.04E-04	6.15E-04	3.07E-04	3.00E-04	6.07E-04
2056	494611.06, 3859551.99	0.00762	0.00746	1.19E-03	1.22E-03	1.12E-03	1.15E-03	1.09E-03	3.16E-04	3.09E-04	6.26E-04	3.08E-04	3.02E-04	6.11E-04	3.04E-04	2.98E-04	6.02E-04
2057	494661.06, 3859551.99	0.00754	0.00738	1.18E-03	1.20E-03	1.11E-03	1.14E-03	1.08E-03	3.13E-04	3.06E-04	6.19E-04	3.05E-04	2.99E-04	6.04E-04	3.01E-04	2.95E-04	5.96E-04
2058	494711.06, 3859551.99	0.00733	0.00718	1.15E-03	1.17E-03	1.08E-03	1.11E-03	1.05E-03	3.04E-04	2.98E-04	6.02E-04	2.97E-04	2.91E-04	5.87E-04	2.93E-04	2.87E-04	5.80E-04
2059	494761.06, 3859551.99	0.00735	0.0072	1.15E-03	1.18E-03	1.08E-03	1.11E-03	1.05E-03	3.05E-04	2.99E-04	6.04E-04	2.98E-04	2.91E-04	5.89E-04	2.94E-04	2.88E-04	5.81E-04
2060	494811.06, 3859551.99	0.0072	0.00706	1.13E-03	1.15E-03	1.06E-03	1.09E-03	1.03E-03	2.99E-04	2.93E-04	5.92E-04	2.91E-04	2.86E-04	5.77E-04	2.88E-04	2.82E-04	5.70E-04
2061	494861.06, 3859551.99	0.00712	0.00698	1.12E-03	1.14E-03	1.05E-03	1.08E-03	1.02E-03	2.95E-04	2.90E-04	5.85E-04	2.88E-04	2.83E-04	5.71E-04	2.84E-04	2.79E-04	5.63E-04
2062	494911.06, 3859551.99	0.00703	0.0069	1.10E-03	1.13E-03	1.04E-03	1.06E-03	1.00E-03	2.92E-04	2.86E-04	5.78E-04	2.85E-04	2.79E-04	5.64E-04	2.81E-04	2.76E-04	5.56E-04
2063	494961.06, 3859551.99	0.00698	0.00685	1.09E-03	1.12E-03	1.03E-03	1.06E-03	9.95E-04	2.90E-04	2.84E-04	5.74E-04	2.83E-04	2.77E-04	5.60E-04	2.79E-04	2.74E-04	5.52E-04
2064	495011.06, 3859551.99	0.00693	0.00681	1.09E-03	1.11E-03	1.02E-03	1.05E-03	9.88E-04	2.88E-04	2.83E-04	5.70E-04	2.81E-04	2.76E-04	5.56E-04	2.77E-04	2.72E-04	5.49E-04
2065	495061.06, 3859551.99	0.00686	0.00674	1.07E-03	1.10E-03	1.01E-03	1.04E-03	9.78E-04	2.85E-04	2.80E-04	5.64E-04	2.78E-04	2.73E-04	5.51E-04	2.74E-04	2.69E-04	5.43E-04
2066	495111.06, 3859551.99	0.00678	0.00667	1.06E-03	1.09E-03	1.00E-03	1.02E-03	9.67E-04	2.81E-04	2.77E-04	5.58E-04	2.74E-04	2.70E-04	5.45E-04	2.71E-04	2.66E-04	5.37E-04
2067	495161.06, 3859551.99	0.00673	0.00663	1.05E-03	1.08E-03	9.93E-04	1.02E-03	9.60E-04	2.79E-04	2.75E-04	5.54E-04	2.72E-04	2.68E-04	5.41E-04	2.69E-04	2.65E-04	5.34E-04
2068	495211.06, 3859551.99	0.0067	0.0066	1.05E-03	1.08E-03	9.89E-04	1.01E-03	9.55E-04	2.78E-04	2.74E-04	5.52E-04	2.71E-04	2.67E-04	5.38E-04	2.68E-04	2.64E-04	5.31E-04
2069	495261.06, 3859551.99	0.00663	0.00653	1.04E-03	1.07E-03	9.79E-04	1.00E-03	9.45E-04	2.75E-04	2.71E-04	5.46E-04	2.68E-04	2.64E-04	5.33E-04	2.65E-04	2.61E-04	5.26E-04
2070	495311.06, 3859551.99	0.00658	0.00648	1.03E-03	1.06E-03	9.71E-04	9.95E-04	9.38E-04	2.73E-04	2.69E-04	5.42E-04	2.66E-04	2.62E-04	5.29E-04	2.63E-04	2.59E-04	5.22E-04
2071	495361.06, 3859551.99	0.00653	0.00644	1.02E-03	1.05E-03	9.64E-04	9.87E-04	9.31E-04	2.71E-04	2.67E-04	5.38E-04	2.64E-04	2.61E-04	5.25E-04	2.61E-04	2.57E-04	5.18E-04
2072	495411.06, 3859551.99	0.00649	0.0064	1.02E-03	1.04E-03	9.58E-04	9.81E-04	9.25E-04	2.69E-04	2.66E-04	5.35E-04	2.63E-04	2.59E-04	5.22E-04	2.59E-04	2.56E-04	5.15E-04
2073	495461.06, 3859551.99	0.00641	0.00632	1.00E-03	1.03E-03	9.46E-04	9.69E-04	9.14E-04	2.66E-04	2.62E-04	5.28E-04	2.60E-04	2.56E-04	5.15E-04	2.56E-04	2.52E-04	5.09E-04
2074	495511.06, 3859551.99	0.00633	0.00625	9.92E-04	1.02E-03	9.34E-04	9.57E-04	9.03E-04	2.63E-04	2.59E-04	5.22E-04	2.56E-04	2.53E-04	5.09E-04	2.53E-04	2.50E-04	5.03E-04
2075	495561.06, 3859551.99	0.00628	0.0062	9.84E-04	1.01E-03	9.27E-04	9.49E-04	8.95E-04	2.61E-04	2.57E-04	5.18E-04	2.54E-04	2.51E-04	5.05E-04	2.51E-04	2.48E-04	4.99E-04
2076	495611.06, 3859551.99	0.00622	0.00615	9.74E-04	1.00E-03	9.18E-04	9.40E-04	8.87E-04	2.58E-04	2.55E-04	5.13E-04	2.52E-04	2.49E-04	5.01E-04	2.48E-04	2.46E-04	4.94E-04
2077	495661.06, 3859551.99	0.00616	0.00609	9.65E-04	9.94E-04	9.09E-04	9.31E-04	8.78E-04	2.56E-04	2.53E-04	5.08E-04	2.49E-04	2.47E-04	4.96E-04	2.46E-04	2.43E-04	4.89E-04
2078	494311.06, 3859601.99	0.00848	0.00827	1.33E-03	1.35E-03	1.25E-03	1.28E-03	1.21E-03	3.52E-04	3.43E-04	6.95E-04	3.43E-04	3.35E-04	6.78E-04	3.39E-04	3.30E-04	6.69E-04
2079	494361.06, 3859601.99	0.00822	0.00802	1.29E-03	1.31E-03	1.21E-03	1.24E-03	1.17E-03	3.41E-04	3.33E-04	6.74E-04	3.33E-04	3.25E-04	6.57E-04	3.28E-04	3.20E-04	6.49E-04
2080	494411.06, 3859601.99	0.00808	0.00789	1.27E-03	1.29E-03	1.19E-03	1.22E-03	1.15E-03	3.35E-04	3.27E-04	6.63E-04	3.27E-04	3.19E-04	6.47E-04	3.23E-04	3.15E-04	6.38E-04
2081	494461.06, 3859601.99	0.00807	0.00789	1.26E-03	1.29E-03	1.19E-03	1.22E-03	1.15E-03	3.35E-04	3.27E-04	6.62E-04	3.27E-04	3.19E-04	6.46E-04	3.22E-04	3.15E-04	6.38E-04
2082	494511.06, 3859601.99	0.00791	0.00773	1.24E-03	1.26E-03	1.17E-03	1.20E-03	1.13E-03	3.28E-04	3.21E-04	6.49E-04	3.20E-04	3.13E-04	6.33E-04	3.16E-04	3.09E-04	6.25E-04
2083	494561.06, 3859601.99	0.00788	0.0077	1.23E-03	1.26E-03	1.16E-03	1.19E-03	1.12E-03	3.27E-04	3.19E-04	6.46E-04	3.19E-04	3.12E-04	6.31E-04	3.15E-04	3.08E-04	6.22E-04
2084	494611.06, 3859601.99	0.00783	0.00765	1.23E-03	1.25E-03	1.16E-03	1.18E-03	1.12E-03	3.25E-04	3.17E-04	6.42E-04	3.17E-04	3.10E-04	6.27E-04	3.13E-04	3.06E-04	6.18E-04

2085	494661.06, 3859601.99	0.00764	0.00747	1.20E-03	1.22E-03	1.13E-03	1.15E-03	1.09E-03	3.17E-04	3.10E-04	6.27E-04	3.09E-04	3.02E-04	6.12E-04	3.05E-04	2.98E-04	6.04E-04
2086	494711.06, 3859601.99	0.0075	0.00735	1.17E-03	1.20E-03	1.11E-03	1.13E-03	1.07E-03	3.11E-04	3.05E-04	6.16E-04	3.04E-04	2.98E-04	6.01E-04	3.00E-04	2.94E-04	5.93E-04
2087	494761.06, 3859601.99	0.00755	0.00739	1.18E-03	1.21E-03	1.11E-03	1.14E-03	1.08E-03	3.13E-04	3.07E-04	6.20E-04	3.06E-04	2.99E-04	6.05E-04	3.02E-04	2.95E-04	5.97E-04
2088	494811.06, 3859601.99	0.00739	0.00724	1.16E-03	1.18E-03	1.09E-03	1.12E-03	1.05E-03	3.07E-04	3.00E-04	6.07E-04	2.99E-04	2.93E-04	5.92E-04	2.95E-04	2.89E-04	5.84E-04
2089	494861.06, 3859601.99	0.00732	0.00717	1.15E-03	1.17E-03	1.08E-03	1.11E-03	1.04E-03	3.04E-04	2.97E-04	6.01E-04	2.96E-04	2.90E-04	5.87E-04	2.92E-04	2.86E-04	5.79E-04
2090	494911.06, 3859601.99	0.0072	0.00706	1.13E-03	1.15E-03	1.06E-03	1.09E-03	1.03E-03	2.99E-04	2.93E-04	5.92E-04	2.91E-04	2.86E-04	5.77E-04	2.88E-04	2.82E-04	5.70E-04
2091	494961.06, 3859601.99	0.00719	0.00705	1.13E-03	1.15E-03	1.06E-03	1.09E-03	1.03E-03	2.98E-04	2.92E-04	5.91E-04	2.91E-04	2.85E-04	5.76E-04	2.87E-04	2.82E-04	5.69E-04
2092	495011.06, 3859601.99	0.00707	0.00694	1.11E-03	1.13E-03	1.04E-03	1.07E-03	1.01E-03	2.93E-04	2.88E-04	5.81E-04	2.86E-04	2.81E-04	5.67E-04	2.82E-04	2.77E-04	5.60E-04
2093	495061.06, 3859601.99	0.00704	0.00691	1.10E-03	1.13E-03	1.04E-03	1.06E-03	1.00E-03	2.92E-04	2.87E-04	5.79E-04	2.85E-04	2.80E-04	5.65E-04	2.81E-04	2.76E-04	5.57E-04
2094	495111.06, 3859601.99	0.00695	0.00683	1.09E-03	1.11E-03	1.03E-03	1.05E-03	9.91E-04	2.88E-04	2.83E-04	5.72E-04	2.81E-04	2.77E-04	5.58E-04	2.78E-04	2.73E-04	5.50E-04
2095	495161.06, 3859601.99	0.00691	0.00679	1.08E-03	1.11E-03	1.02E-03	1.04E-03	9.85E-04	2.87E-04	2.82E-04	5.68E-04	2.80E-04	2.75E-04	5.55E-04	2.76E-04	2.71E-04	5.47E-04
2096	495211.06, 3859601.99	0.00685	0.00674	1.07E-03	1.10E-03	1.01E-03	1.04E-03	9.77E-04	2.84E-04	2.80E-04	5.64E-04	2.77E-04	2.73E-04	5.50E-04	2.74E-04	2.69E-04	5.43E-04
2097	495261.06, 3859601.99	0.00681	0.00669	1.07E-03	1.09E-03	1.01E-03	1.03E-03	9.71E-04	2.83E-04	2.78E-04	5.60E-04	2.76E-04	2.71E-04	5.47E-04	2.72E-04	2.67E-04	5.39E-04
2098	495311.06, 3859601.99	0.00677	0.00666	1.06E-03	1.09E-03	9.99E-04	1.02E-03	9.65E-04	2.81E-04	2.76E-04	5.57E-04	2.74E-04	2.70E-04	5.44E-04	2.70E-04	2.66E-04	5.36E-04
2099	495361.06, 3859601.99	0.00671	0.0066	1.05E-03	1.08E-03	9.90E-04	1.01E-03	9.57E-04	2.78E-04	2.74E-04	5.52E-04	2.72E-04	2.67E-04	5.39E-04	2.68E-04	2.64E-04	5.32E-04
2100	495411.06, 3859601.99	0.00667	0.00656	1.04E-03	1.07E-03	9.84E-04	1.01E-03	9.51E-04	2.77E-04	2.72E-04	5.49E-04	2.70E-04	2.66E-04	5.36E-04	2.66E-04	2.62E-04	5.28E-04
2101	495461.06, 3859601.99	0.00657	0.00647	1.03E-03	1.06E-03	9.70E-04	9.93E-04	9.37E-04	2.73E-04	2.68E-04	5.41E-04	2.66E-04	2.62E-04	5.28E-04	2.62E-04	2.58E-04	5.21E-04
2102	495511.06, 3859601.99	0.00647	0.00638	1.01E-03	1.04E-03	9.55E-04	9.78E-04	9.23E-04	2.68E-04	2.65E-04	5.33E-04	2.62E-04	2.58E-04	5.20E-04	2.58E-04	2.55E-04	5.13E-04
2103	495561.06, 3859601.99	0.00645	0.00636	1.01E-03	1.04E-03	9.52E-04	9.75E-04	9.20E-04	2.68E-04	2.64E-04	5.31E-04	2.61E-04	2.57E-04	5.19E-04	2.58E-04	2.54E-04	5.12E-04
2104	495611.06, 3859601.99	0.00635	0.00627	9.95E-04	1.02E-03	9.37E-04	9.60E-04	9.05E-04	2.63E-04	2.60E-04	5.24E-04	2.57E-04	2.54E-04	5.11E-04	2.54E-04	2.50E-04	5.04E-04
2105	495661.06, 3859601.99	0.00631	0.00623	9.88E-04	1.02E-03	9.31E-04	9.54E-04	9.00E-04	2.62E-04	2.58E-04	5.20E-04	2.55E-04	2.52E-04	5.08E-04	2.52E-04	2.49E-04	5.01E-04
2106	494311.06, 3859651.99	0.00862	0.00841	1.35E-03	1.37E-03	1.27E-03	1.30E-03	1.23E-03	3.58E-04	3.49E-04	7.07E-04	3.49E-04	3.40E-04	6.89E-04	3.44E-04	3.36E-04	6.80E-04
2107	494361.06, 3859651.99	0.00837	0.00818	1.31E-03	1.34E-03	1.24E-03	1.27E-03	1.19E-03	3.47E-04	3.39E-04	6.87E-04	3.39E-04	3.31E-04	6.70E-04	3.34E-04	3.27E-04	6.61E-04
2108	494411.06, 3859651.99	0.00827	0.00808	1.30E-03	1.32E-03	1.22E-03	1.25E-03	1.18E-03	3.43E-04	3.35E-04	6.78E-04	3.35E-04	3.27E-04	6.62E-04	3.30E-04	3.23E-04	6.53E-04
2109	494461.06, 3859651.99	0.00826	0.00807	1.29E-03	1.32E-03	1.22E-03	1.25E-03	1.18E-03	3.43E-04	3.35E-04	6.77E-04	3.34E-04	3.27E-04	6.61E-04	3.30E-04	3.22E-04	6.52E-04
2110	494511.06, 3859651.99	0.00815	0.00796	1.28E-03	1.30E-03	1.20E-03	1.23E-03	1.16E-03	3.38E-04	3.30E-04	6.68E-04	3.30E-04	3.22E-04	6.52E-04	3.26E-04	3.18E-04	6.44E-04
2111	494561.06, 3859651.99	0.00808	0.00789	1.27E-03	1.29E-03	1.19E-03	1.22E-03	1.15E-03	3.35E-04	3.27E-04	6.63E-04	3.27E-04	3.19E-04	6.47E-04	3.23E-04	3.15E-04	6.38E-04
2112	494611.06, 3859651.99	0.008	0.00782	1.25E-03	1.28E-03	1.18E-03	1.21E-03	1.14E-03	3.32E-04	3.24E-04	6.56E-04	3.24E-04	3.17E-04	6.40E-04	3.20E-04	3.12E-04	6.32E-04
2113	494661.06, 3859651.99	0.00778	0.00761	1.22E-03	1.24E-03	1.15E-03	1.18E-03	1.11E-03	3.23E-04	3.16E-04	6.38E-04	3.15E-04	3.08E-04	6.23E-04	3.11E-04	3.04E-04	6.15E-04
2114	494711.06, 3859651.99	0.00771	0.00755	1.21E-03	1.23E-03	1.14E-03	1.17E-03	1.10E-03	3.20E-04	3.13E-04	6.33E-04	3.12E-04	3.06E-04	6.18E-04	3.08E-04	3.02E-04	6.10E-04
2115	494761.06, 3859651.99	0.00769	0.00753	1.20E-03	1.23E-03	1.13E-03	1.16E-03	1.10E-03	3.19E-04	3.12E-04	6.31E-04	3.11E-04	3.05E-04	6.16E-04	3.07E-04	3.01E-04	6.08E-04
2116	494811.06, 3859651.99	0.00758	0.00742	1.19E-03	1.21E-03	1.12E-03	1.15E-03	1.08E-03	3.14E-04	3.08E-04	6.22E-04	3.07E-04	3.00E-04	6.07E-04	3.03E-04	2.96E-04	5.99E-04
2117	494861.06, 3859651.99	0.00751	0.00736	1.18E-03	1.20E-03	1.11E-03	1.14E-03	1.07E-03	3.12E-04	3.05E-04	6.17E-04	3.04E-04	2.98E-04	6.02E-04	3.00E-04	2.94E-04	5.94E-04
2118	494911.06, 3859651.99	0.00743	0.00727	1.16E-03	1.19E-03	1.10E-03	1.12E-03	1.06E-03	3.08E-04	3.02E-04	6.10E-04	3.01E-04	2.94E-04	5.95E-04	2.97E-04	2.90E-04	5.87E-04
2119	494961.06, 3859651.99	0.00736	0.00721	1.15E-03	1.18E-03	1.09E-03	1.11E-03	1.05E-03	3.05E-04	2.99E-04	6.04E-04	2.98E-04	2.92E-04	5.90E-04	2.94E-04	2.88E-04	5.82E-04
2120	495011.06, 3859651.99	0.00728	0.00714	1.14E-03	1.17E-03	1.07E-03	1.10E-03	1.04E-03	3.02E-04	2.96E-04	5.98E-04	2.95E-04	2.89E-04	5.84E-04	2.91E-04	2.85E-04	5.76E-04
2121	495061.06, 3859651.99	0.00723	0.00709	1.13E-03	1.16E-03	1.07E-03	1.09E-03	1.03E-03	3.00E-04	2.94E-04	5.94E-04	2.93E-04	2.87E-04	5.80E-04	2.89E-04	2.83E-04	5.72E-04
2122	495111.06, 3859651.99	0.00715	0.00701	1.12E-03	1.14E-03	1.06E-03	1.08E-03	1.02E-03	2.97E-04	2.91E-04	5.87E-04	2.89E-04	2.84E-04	5.73E-04	2.86E-04	2.80E-04	5.66E-04
2123	495161.06, 3859651.99	0.00709	0.00696	1.11E-03	1.14E-03	1.05E-03	1.07E-03	1.01E-03	2.94E-04	2.89E-04	5.83E-04	2.87E-04	2.82E-04	5.69E-04	2.83E-04	2.78E-04	5.61E-04
2124	495211.06, 3859651.99	0.00704	0.00691	1.10E-03	1.13E-03	1.04E-03	1.06E-03	1.00E-03	2.92E-04	2.87E-04	5.79E-04	2.85E-04	2.80E-04	5.65E-04	2.81E-04	2.76E-04	5.57E-04
2125	495261.06, 3859651.99	0.00698	0.00685	1.09E-03	1.12E-03	1.03E-03	1.06E-03	9.95E-04	2.90E-04	2.84E-04	5.74E-04	2.83E-04	2.77E-04	5.60E-04	2.79E-04	2.74E-04	5.52E-04
2126	495311.06, 3859651.99	0.00693	0.0068	1.09E-03	1.11E-03	1.02E-03	1.05E-03	9.88E-04	2.88E-04	2.82E-04	5.70E-04	2.81E-04	2.75E-04	5.56E-04	2.77E-04	2.72E-04	5.48E-04
2127	495361.06, 3859651.99	0.00688	0.00676	1.08E-03	1.10E-03	1.02E-03	1.04E-03	9.81E-04	2.85E-04	2.80E-04	5.66E-04	2.79E-04	2.74E-04	5.52E-04	2.75E-04	2.70E-04	5.45E-04
2128	495411.06, 3859651.99	0.00682	0.0067	1.07E-03	1.09E-03	1.01E-03	1.03E-03	9.72E-04	2.83E-04	2.78E-04	5.61E-04	2.76E-04	2.71E-04	5.47E-04	2.72E-04	2.68E-04	5.40E-04
2129	495461.06, 3859651.99	0.00672	0.00661	1.05E-03	1.08E-03	9.92E-04	1.02E-03	9.58E-04	2.79E-04	2.74E-04	5.53E-04	2.72E-04	2.68E-04	5.40E-04	2.68E-04	2.64E-04	5.32E-04
2130	495511.06, 3859651.99	0.00664	0.00654	1.04E-03	1.07E-03	9.80E-04	1.00E-03	9.47E-04	2.75E-04	2.71E-04	5.47E-04	2.69E-04	2.65E-04	5.34E-04	2.65E-04	2.61E-04	5.27E-04
2131	495561.06, 3859651.99	0.00659	0.00649	1.03E-03	1.06E-03	9.73E-04	9.96E-04	9.40E-04	2.73E-04	2.69E-04	5.43E-04	2.67E-04	2.63E-04	5.30E-04	2.63E-04	2.59E-04	5.23E-04
2132	495611.06, 3859651.99	0.00653	0.00644	1.02E-03	1.05E-03	9.64E-04	9.87E-04	9.31E-04	2.71E-04	2.67E-04	5.38E-04	2.64E-04	2.61E-04	5.25E-04	2.61E-04	2.57E-04	5.18E-04
2133	495661.06, 3859651.99	0.00646	0.00637	1.01E-03	1.04E-03	9.53E-04	9.77E-04	9.21E-04	2.68E-04	2.64E-04	5.32E-04	2.62E-04	2.58E-04	5.19E-04	2.58E-04	2.54E-04	5.13E-04
2134	494311.06, 3859701.99	0.0086	0.0084	1.35E-03	1.37E-03	1.27E-03	1.30E-03	1.23E-03	3.57E-04	3.48E-04	7.05E-04	3.48E-04	3.40E-04	6.88E-04	3.44E-04	3.36E-04	6.79E-04
2135	494361.06, 3859701.99	0.0085	0.0083	1.33E-03	1.35E-03	1.25E-03	1.28E-03	1.21E-03	3.53E-04	3.44E-04	6.97E-04	3.44E-04	3.36E-04	6.80E-04	3.40E-04	3.32E-04	6.71E-04
2136	494411.06, 3859701.99	0.00843	0.00824	1.32E-03	1.35E-03	1.24E-03	1.27E-03	1.20E-03	3.50E-04	3.42E-04	6.92E-04	3.41E-04	3.34E-04	6.75E-04	3.37E-04	3.29E-04	6.66E-04
2137	494461.06, 3859701.99	0.00845	0.00825	1.32E-03	1.35E-03	1.25E-03	1.28E-03	1.20E-03	3.51E-04	3.42E-04	6.93E-04	3.42E-04	3.34E-04	6.76E-04	3.38E-04	3.30E-04	6.67E-04
2138	494511.06, 3859701.99	0.00835	0.00816	1.31E-03	1.33E-03	1.23E-03	1.26E-03	1.19E-03	3.46E-04	3.39E-04	6.85E-04	3.38E-04	3.30E-04	6.68E-04	3.34E-04	3.26E-04	6.60E-04
2139	494561.06, 3859701.99	0.00828	0.00809	1.30E-03	1.32E-03	1.22E-03	1.25E-03	1.18E-03	3.44E-04	3.36E-04	6.79E-04	3.35E-04	3.28E-04	6.63E-04	3.31E-04	3.23E-04	6.54E-04
2140	494611.06, 3859701.99	0.00821	0.00802	1.29E-03	1.31E-03	1.21E-03	1.24E-03	1.17E-03	3.41E-04	3.33E-04	6.73E-04	3.32E-04	3.25E-04	6.57E-04	3.28E-04	3.20E-04	6.48E-04
2141	494661.06, 3859701.99	0.00798	0.00781	1.25E-03	1.27E-03	1.18E-03	1.21E-03	1.14E-03	3.31E-04	3.24E-04	6.55E-04	3.23E-04	3.16E-04	6.39E-04	3.19E-04	3.12E-04	6.31E-04
2142	494711.06, 3859701.99	0.00795	0.00777	1.25E-03	1.27E-03	1.17E-03	1.20E-03	1.13E-03	3.30E-04	3.22E-04	6.52E-04	3.22E-04	3.15E-04	6.36E-04	3.18E-04	3.10E-04	6.28E-04
2143	494761.06, 3859701.99	0.00784	0.00767	1.23E-03	1.25E-03	1.16E-03	1.19E-03	1.12E-03	3.25E-04	3.18E-04	6.43E-04	3.17E-04	3.11E-04	6.28E-04	3.13E-04	3.06E-04	6.20E-04
2144	494811.06, 3859701.99	0.00774	0.00757	1.21E-03	1.24E-03	1.14E-03	1.17E-03	1.10E-03	3.21E-04	3.14E-04	6.35E-04	3.13E-04	3.06E-04	6.20E-04	3.09E-04	3.02E-04	6.12E-04
2145	494861.06, 3859701.99	0.00771	0.00755	1.21E-03	1.23E-03	1.14E-03	1.17E-03	1.10E-03	3.20E-04	3.13E-04	6.33E-04	3.12E-04	3.06E-04	6.18E-04	3.08E-04	3.02E-04	6.10E-04
2146	494911.06, 3859701.99	0.00763	0.00746	1.20E-03	1.22E-03	1.13E-03	1.15E-03	1.09E-03	3.17E-04	3.09E-04	6.26E-04	3.09E-04	3.02E-04	6.11E-04	3.05E-04	2.98E-04	6.03E-04
2147	494961.06, 3859701.99	0.00754	0.00738	1.18E-03	1.20E-03	1.11E-03	1.14E-03	1.08E-03	3.13E-04	3.06E-04	6.19E-04	3.05E-04	2.99E-04	6.04E-04	3.01E-04	2.95E-04	5.96E-04
2148	495011.06, 3859701.99	0.00749	0.00734	1.17E-03	1.20E-03	1.11E-03	1.13E-03	1.07E-03	3.11E-04	3.05E-04	6.15E-04	3.03E-04	2.97E-04	6.00E-04	2.99E-04	2.93E-04	5.92E-04
2149	495061.06, 3859701.99	0.00742	0.00727	1.16E-03	1.19E-03	1.10E-03	1.12E-03	1.06E-03	3.08E-04	3.02E-04	6.09E-04	3.00E-04	2.94E-04	5.95E-04	2.96E-04	2.90E-04	5.87E-04
2150	495111.06, 3859701.99	0.00735	0.0072	1.15E-03	1.18E-03	1.08E-03	1.11E-03	1.05E-03	3.05E-04	2.99E-04	6.04E-04	2.98E-04	2.91E-04	5.89E-04	2.94E-04	2.88E-04	5.81E-04
2151	495161.06, 3859701.99	0.00727	0.00713	1.14E-03	1.16E-03	1.07E-03	1.10E-03	1.04E-03	3.02E-04	2.96E-04	5.97E-04	2.94E-04	2.89E-04	5.83E-04	2.90E-04	2.85E-04	5.75E-04
2152	495211.06, 3859701.99	0.00719	0.00705	1.13E-03	1.15E-03	1.06E-03	1.09E-03	1.03E-03	2.98E-04	2.92E-04	5.91E-04	2.91E-04	2.85E-04	5.76E-04	2.87E-04	2.82E-04	5.69E-04
2153	495261.06, 3859701.99	0.00716	0.00703	1.12E-03	1.15E-03	1.06E-03	1.08E-03	1.02E-03	2.97E-04	2.92E-04	5.89E-04	2.90E-04	2.85E-04	5.74E-04	2.86E-04	2.81E-04	5.67E-04
2154	495311.06, 3859701.99	0.00709	0.00696	1.11E-03	1.14E-03	1.05E-03	1.07E-03	1.01E-03	2.94E-04	2.89E-04	5.83E-04	2.87E-04	2.82E-04	5.69E-04	2.83E-04	2.78E-04	5.61E-04
2155	495361.06, 3859701.99	0.00703	0.0069	1.10E-03	1.13E-03	1.04E-03	1.06E-03	1.00E-03	2.92E-04	2.86E-04	5.78E-04	2.85E-04	2.79E-04	5.64E-04	2.81E-04	2.76E-04	5.56E-04
2156	495411.06, 3859701.99	0.00694	0.00682	1.09E-03	1.11E-03	1.02E-03	1.05E-03	9.90E-04	2.88E-04	2.83E-04	5.71E-04	2.81E-04	2.76E-04	5.57E-04	2.77E-04	2.72E-04	5.50E-04
2157	495461.06, 3859701.99	0.00687	0.00675	1.08E-03	1.10E-03	1.01E-03	1.04E-03	9.80E-04	2.85E-04	2.80E-04	5.65E-04	2.78E-04	2.73E-04	5.51E-04	2.74E-04	2.70E-04	5.44E-04
2158	495511.06, 3859701.99	0.00676	0.00665	1.06E-03	1.09E-03	9.98E-04	1.02E-03	9.64E-04	2.80E-04	2.76E-04	5.56E-04	2.74E-04	2.69E-04	5.43E-04	2.70E-04	2.66E-04	5.36E-04
2159	495561.06, 3859701.99	0.00675	0.00664	1.06E-03	1.08E-03	9.96E-04	1.02E-03	9.62E-04	2.80E-04	2.75E-04	5.56E-04	2.73E-04	2.69E-04	5.42E-04	2.70E-04	2.65E-04	5.35E-04
2160	495611.06, 3859701.99	0.00669	0.00658	1.05E-03	1.07E-03	9.87E-04	1.01E-03	9.54E-04	2.78E-04	2.73E-04	5.51E-04	2.71E-04	2.66E-04	5.37E-04	2.67E-04	2.63E-04	5.30E-04
2161	495661.06, 3859701.99	0.00662	0.00652	1.04E-03	1.06E-03	9.77E-04	1.00E-03	9.44E-04	2.75E-04	2.71E-04	5.45E-04	2.68E-04	2.64E-04	5.32E-04	2.64E-04	2.60E-04	5.25E-04
2162	494311.06, 3859751.99	0.00886	0.00865	1.39E-03	1.41E-03	1.31E-03	1.34E-03	1.26E-03	3.68E-04	3.59E-04	7.26E-04	3.59E-04	3.50E-04	7.09E-04	3.54E-04	3.46E-04	6.99E-04
2163	494361.06, 3859751.99	0.00875	0.00855	1.37E-03	1.40E-03	1.29E-03	1.32E-03	1.25E-03	3.63E-04	3.55E-04	7.18E-04	3.54E-04	3.46E-04	7.00E-04	3.50E-04	3.42E-04	6.91E-04
2164	494411.06, 3859751.99	0.00862	0.00843	1.35E-03	1.38E-03	1.27E-03	1.30E-03	1.23E-03	3.58E-04	3.50E-04	7.07E-04	3.49E-04	3.41E-04	6.90E-04	3.44E-04	3.37E-04	6.81E-04
2165	494461.06, 3859751.99	0.00862	0.00842	1.35E-03	1.37E-03	1.27E-03	1.30E-03	1.23E-03	3.58E-04	3.49E-04	7.07E-04	3.49E-04	3.41E-04	6.90E-04	3.44E-04	3.36E-04	6.81E-04
2166	494511.06, 3859751.99	0.00858	0.00838	1.34E-03	1.37E-03	1.27E-03	1.30E-03	1.22E-03	3.56E-04	3.48E-04	7.04E-04	3.47E-04	3.39E-04	6.87E-04	3.43E-04	3.35E-04	6.77E-04
2167	494561.06, 3859751.99	0.00848	0.00829	1.33E-03	1.35E-03	1.25E-03	1.28E-03	1.21E-03	3.52E-04	3.44E-04	6.96E-04	3.43E-04	3.36E-04	6.79E-04	3.39E-04	3.31E-04	6.70E-04
2168	494611.06, 3859751.99	0.00836	0.00817	1.31E-03	1.33E-03	1.23E-03	1.26E-03	1.19E-03	3.47E-04	3.39E-04	6.86E-04	3.38E-04	3.31E-04	6.69E-04	3.34E-04	3.26E-04	6.60E-04
2169	494661.06, 3859751.99	0.00816	0.00797	1.28E-03	1.30E-03	1.20E-03	1.23E-03	1.16E-03	3.39E-04	3.31E-04	6.69E-04	3.30E-04	3.23E-04	6.53E-04	3.26E-04	3.18E-04	6.44E-04
2170	494711.06, 3859751.99	0.00815	0.00797	1.28E-03	1.30E-03	1.20E-03	1.23E-03	1.16E-03	3.38E-04	3.31E-04	6.69E-04	3.30E-04	3.23E-04	6.53E-04	3.26E-04	3.18E-04	6.44E-04
2171	494761.06, 3859751.99	0.00809	0.00791	1.27E-03	1.29E-03	1.19E-03	1.22E-03	1.15E-03	3.36E-04	3.28E-04	6.64E-04	3.28E-04	3.20E-04	6.48E-04	3.23E-04	3.16E-04	6.39E-04
2172	494811.06, 3859751.99	0.00799	0.00781	1.25E-03	1.27E-03	1.18E-03	1.21E-03	1.14E-03	3.31E-04	3.24E-04	6.56E-04	3.23E-04	3.16E-04	6.40E-04	3.19E-04	3.12E-04	6.31E-04
2173	494861.06, 3859751.99	0.00791	0.00774	1.24E-03	1.26E-03	1.17E-03	1.20E-03	1.13E-03	3.28E-04	3.21E-04	6.49E-04	3.20E-04	3.13E-04	6.34E-04	3.16E-04	3.09E-04	6.25E-04
2174	494911.06, 3859751.99	0.00784	0.00767	1.23E-03	1.25E-03	1.16E-03	1.19E-03	1.12E-03	3.25E-04	3.18E-04	6.43E-04	3.17E-04	3.11E-04	6.28E-04	3.13E-04	3.06E-04	6.20E-04
2175	494961.06, 3859751.99	0.00777	0.0076	1.22E-03	1.24E-03	1.15E-03	1.17E-03	1.11E-03	3.22E-04	3.15E-04	6.38E-04	3.15E-04	3.08E-04	6.22E-04	3.10E-04	3.04E-04	6.14E-04
2176	495011.06, 3859751.99	0.00769	0.00753	1.20E-03	1.23E-03	1.13E-03	1.16E-03	1.10E-03	3.19E-04	3.12E-04	6.31E-04	3.11E-04	3.05E-04	6.16E-04	3.07E-04	3.01E-04	6.08E-04
2177	495061.06, 3859751.99	0.00764	0.00747	1.20E-03	1.22E-03	1.13E-03	1.15E-03	1.09E-03	3.17E-04	3.10E-04	6.27E-04	3.09E-04	3.02E-04	6.12E-04	3.05E-04	2.98E-04	6.04E-04
2178	495111.06, 3859751.99	0.00756	0.0074	1.18E-03	1.21E-03	1.12E-03	1.14E-03	1.08E-03	3.14E-04	3.07E-04	6.21E-04	3.06E-04	3.00E-04	6.06E-04	3.02E-04	2.96E-04	5.98E-04
2179	495161.06, 3859751.99	0.00748	0.00733	1.17E-03	1.20E-03	1.10E-03	1.13E-03	1.07E-03	3.10E-04	3.04E-04	6.14E-04	3.03E-04	2.97E-04	6.00E-04	2.99E-04	2.93E-04	5.92E-04
2180	495211.06, 3859751.99	0.0074	0.00725	1.16E-03	1.18E-03	1.09E-03	1.12E-03	1.06E-03	3.07E-04	3.01E-04	6.08E-04	3.00E-04	2.94E-04	5.93E-04	2.96E-04	2.90E-04	5.85E-04
2181	495261.06, 3859751.99	0.00734	0.0072	1.15E-03	1.18E-03	1.08E-03	1.11E-03	1.05E-03	3.05E-04	2.99E-04	6.03E-04	2.97E-04	2.91E-04	5.89E-04	2.93E-04	2.88E-04	5.81E-04
2182	495311.06, 3859751.99	0.00727	0.00713	1.14E-03	1.16E-03	1.07E-03	1.10E-03	1.04E-03	3.02E-04	2.96E-04	5.97E-04	2.94E-04	2.89E-04	5.83E-04	2.90E-04	2.85E-04	5.75E-04
2183	495361.06, 3859751.99	0.0072	0.00707	1.13E-03	1.15E-03	1.06E-03	1.09E-03	1.03E-03	2.99E-04	2.93E-04	5.92E-04	2.91E-04	2.86E-04	5.78E-04	2.88E-04	2.82E-04	5.70E-04
2184	495411.06, 3859751.99	0.00714	0.007	1.12E-03	1.14E-03	1.05E-03	1.08E-03	1.02E-03	2.96E-04	2.90E-04	5.87E-04	2.89E-04	2.83E-04	5.72E-04	2.85E-04	2.80E-04	5.65E-04
2185	495461.06, 3859751.99	0.00705	0.00692	1.10E-03	1.13E-03	1.04E-03	1.07E-03	1.01E-03	2.92E-04	2.87E-04	5.80E-04	2.85E-04	2.80E-04	5.66E-04	2.82E-04	2.76E-04	5.58E-04
2186	495511.06, 3859751.99	0.00696	0.00683	1.09E-03	1.11E-03	1.03E-03	1.05E-03	9.92E-04	2.89E-04	2.83E-04	5.72E-04	2.82E-04	2.77E-04	5.58E-04	2.78E-04	2.73E-04	5.51E-04
2187	495561.06, 3859751.99	0.0069	0.00678	1.08E-03	1.11E-03	1.02E-03	1.04E-03	9.84E-04	2.86E-04	2.81E-04	5.68E-04	2.79E-04	2.74E-04	5.54E-04	2.76E-04	2.71E-04	5.46E-04
2188	495611.06, 3859751.99	0.00684	0.00672	1.07E-03	1.10E-03	1.01E-03	1.03E-03	9.75E-04	2.84E-04	2.79E-04	5.63E-04	2.77E-04	2.72E-04	5.49E-04	2.73E-04	2.68E-04	5.42E-04
2189	495661.06, 3859751.99	0.00679	0.00668	1.06E-03	1.09E-03	1.00E-03	1.03E-03	9.68E-04	2.82E-04	2.77E-04	5.59E-04	2.75E-04	2.70E-04	5.45E-04	2.71E-04	2.67E-04	5.38E-04
2190	494311.06, 3859801.99	0.00912	0.00891	1.43E-03	1.45E-03	1.35E-03	1.38E-03	1.30E-03	3.78E-04	3.70E-04	7.48E-04	3.69E-04	3.61E-04	7.30E-04	3.64E-04	3.56E-04	7.20E-04
2191	494361.06, 3859801.99	0.00896	0.00876	1.40E-03	1.43E-03	1.32E-03	1.35E-03	1.28E-03	3.72E-04	3.63E-04	7.35E-04	3.63E-04	3.55E-04	7.17E-04	3.58E-04	3.50E-04	7.08E-04
2192	494411.06, 3859801.99	0.0088	0.00861	1.38E-03	1.41E-03	1.30E-03	1.33E-03	1.25E-03	3.65E-04	3.57E-04	7.22E-04	3.56E-04	3.49E-04	7.05E-04	3.52E-04	3.44E-04	6.95E-04
2193	494461.06, 3859801.99	0.00879	0.00859	1.38E-03	1.40E-03	1.30E-03	1.33E-03	1.25E-03	3.65E-04	3.56E-04	7.21E-04	3.56E-04	3.48E-04	7.04E-04	3.51E-04	3.43E-04	6.94E-04
2194	494511.06, 3859801.99	0.00879	0.00859	1.38E-03	1.40E-03	1.30E-03	1.33E-03	1.25E-03	3.65E-04	3.56E-04	7.21E-04	3.56E-04	3.48E-04	7.04E-04	3.51E-04	3.43E-04	6.94E-04
2195	494561.06, 3859801.99	0.0087	0.0085	1.36E-03	1.39E-03	1.28E-03	1.32E-03	1.24E-03	3.61E-04	3.53E-04	7.14E-04	3.52E-04	3.44E-04	6.96E-04	3.48E-04	3.40E-04	6.87E-04
2196	494611.06, 3859801.99	0.00852	0.00833	1.33E-03	1.36E-03	1.26E-03	1.29E-03	1.21E-03	3.53E-04	3.46E-04	6.99E-04	3.45E-04	3.37E-04	6.82E-04	3.40E-04	3.33E-04	6.73E-04
2197	494661.06, 3859801.99	0.00842	0.00823	1.32E-03	1.34E-03	1.24E-03	1.27E-03	1.20E-03	3.49E-04	3.41E-04	6.91E-04	3.41E-04	3.33E-04	6.74E-04	3.36E-04	3.29E-04	6.65E-04
2198	494711.06, 3859801.99	0.0083	0.00811	1.30E-03	1.32E-03	1.22E-03	1.25E-03	1.18E-03	3.44E-04	3.36E-04	6.81E-04	3.36E-04	3.28E-04	6.64E-04	3.32E-04	3.24E-04	6.56E-04
2199	494761.06, 3859801.99	0.00829	0.00811	1.30E-03	1.32E-03	1.22E-03	1.25E-03	1.18E-03	3.44E-04	3.36E-04	6.80E-04	3.36E-04	3.28E-04	6.64E-04	3.31E-04	3.24E-04	6.55E-04
2200	494811.06, 3859801.99	0.0082	0.00801	1.28E-03	1.31E-03	1.21E-03	1.24E-03	1.17E-03	3.40E-04	3.32E-04	6.73E-04	3.32E-04	3.24E-04	6.56E-04	3.28E-04	3.20E-04	6.48E-04

2201	494861.06, 3859801.99	0.00813	0.00795	1.27E-03	1.30E-03	1.20E-03	1.23E-03	1.16E-03	3.37E-04	3.30E-04	6.67E-04	3.29E-04	3.22E-04	6.51E-04	3.25E-04	3.18E-04	6.42E-04
2202	494911.06, 3859801.99	0.00803	0.00785	1.26E-03	1.28E-03	1.19E-03	1.21E-03	1.14E-03	3.33E-04	3.26E-04	6.59E-04	3.25E-04	3.18E-04	6.43E-04	3.21E-04	3.14E-04	6.34E-04
2203	494961.06, 3859801.99	0.00795	0.00778	1.25E-03	1.27E-03	1.17E-03	1.20E-03	1.13E-03	3.30E-04	3.23E-04	6.53E-04	3.22E-04	3.15E-04	6.37E-04	3.18E-04	3.11E-04	6.28E-04
2204	495011.06, 3859801.99	0.00788	0.00771	1.23E-03	1.26E-03	1.16E-03	1.19E-03	1.12E-03	3.27E-04	3.20E-04	6.47E-04	3.19E-04	3.12E-04	6.31E-04	3.15E-04	3.08E-04	6.23E-04
2205	495061.06, 3859801.99	0.00781	0.00765	1.22E-03	1.25E-03	1.15E-03	1.18E-03	1.11E-03	3.24E-04	3.17E-04	6.41E-04	3.16E-04	3.10E-04	6.26E-04	3.12E-04	3.06E-04	6.18E-04
2206	495111.06, 3859801.99	0.00773	0.00756	1.21E-03	1.23E-03	1.14E-03	1.17E-03	1.10E-03	3.21E-04	3.14E-04	6.34E-04	3.13E-04	3.06E-04	6.19E-04	3.09E-04	3.02E-04	6.11E-04
2207	495161.06, 3859801.99	0.00764	0.00748	1.20E-03	1.22E-03	1.13E-03	1.15E-03	1.09E-03	3.17E-04	3.10E-04	6.27E-04	3.09E-04	3.03E-04	6.12E-04	3.05E-04	2.99E-04	6.04E-04
2208	495211.06, 3859801.99	0.00758	0.00743	1.19E-03	1.21E-03	1.12E-03	1.15E-03	1.08E-03	3.14E-04	3.08E-04	6.23E-04	3.07E-04	3.01E-04	6.08E-04	3.03E-04	2.97E-04	6.00E-04
2209	495261.06, 3859801.99	0.0075	0.00735	1.17E-03	1.20E-03	1.11E-03	1.13E-03	1.07E-03	3.11E-04	3.05E-04	6.16E-04	3.04E-04	2.98E-04	6.01E-04	3.00E-04	2.94E-04	5.93E-04
2210	495311.06, 3859801.99	0.00745	0.0073	1.17E-03	1.19E-03	1.10E-03	1.13E-03	1.06E-03	3.09E-04	3.03E-04	6.12E-04	3.02E-04	2.96E-04	5.97E-04	2.98E-04	2.92E-04	5.89E-04
2211	495361.06, 3859801.99	0.00737	0.00723	1.15E-03	1.18E-03	1.09E-03	1.11E-03	1.05E-03	3.06E-04	3.00E-04	6.06E-04	2.98E-04	2.93E-04	5.91E-04	2.94E-04	2.89E-04	5.83E-04
2212	495411.06, 3859801.99	0.00729	0.00715	1.14E-03	1.17E-03	1.08E-03	1.10E-03	1.04E-03	3.02E-04	2.97E-04	5.99E-04	2.95E-04	2.89E-04	5.85E-04	2.91E-04	2.86E-04	5.77E-04
2213	495461.06, 3859801.99	0.00722	0.00708	1.13E-03	1.16E-03	1.07E-03	1.09E-03	1.03E-03	3.00E-04	2.94E-04	5.93E-04	2.92E-04	2.87E-04	5.79E-04	2.88E-04	2.83E-04	5.71E-04
2214	495511.06, 3859801.99	0.00713	0.007	1.12E-03	1.14E-03	1.05E-03	1.08E-03	1.02E-03	2.96E-04	2.90E-04	5.86E-04	2.89E-04	2.83E-04	5.72E-04	2.85E-04	2.80E-04	5.64E-04
2215	495561.06, 3859801.99	0.00707	0.00694	1.11E-03	1.13E-03	1.04E-03	1.07E-03	1.01E-03	2.93E-04	2.88E-04	5.81E-04	2.86E-04	2.81E-04	5.67E-04	2.82E-04	2.77E-04	5.60E-04
2216	495611.06, 3859801.99	0.00704	0.00691	1.10E-03	1.13E-03	1.04E-03	1.06E-03	1.00E-03	2.92E-04	2.87E-04	5.79E-04	2.85E-04	2.80E-04	5.65E-04	2.81E-04	2.76E-04	5.57E-04
2217	495661.06, 3859801.99	0.00695	0.00683	1.09E-03	1.11E-03	1.03E-03	1.05E-03	9.91E-04	2.88E-04	2.83E-04	5.72E-04	2.81E-04	2.77E-04	5.58E-04	2.78E-04	2.73E-04	5.50E-04
2218	494311.06, 3859851.99	0.00933	0.00912	1.46E-03	1.49E-03	1.38E-03	1.41E-03	1.33E-03	3.87E-04	3.78E-04	7.65E-04	3.78E-04	3.69E-04	7.47E-04	3.73E-04	3.64E-04	7.37E-04
2219	494361.06, 3859851.99	0.0092	0.009	1.44E-03	1.47E-03	1.36E-03	1.39E-03	1.31E-03	3.82E-04	3.73E-04	7.55E-04	3.72E-04	3.64E-04	7.37E-04	3.68E-04	3.60E-04	7.27E-04
2220	494411.06, 3859851.99	0.00906	0.00886	1.42E-03	1.45E-03	1.34E-03	1.37E-03	1.29E-03	3.76E-04	3.68E-04	7.43E-04	3.67E-04	3.59E-04	7.25E-04	3.62E-04	3.54E-04	7.16E-04
2221	494461.06, 3859851.99	0.00895	0.00875	1.40E-03	1.43E-03	1.32E-03	1.35E-03	1.28E-03	3.71E-04	3.63E-04	7.34E-04	3.62E-04	3.54E-04	7.17E-04	3.58E-04	3.50E-04	7.07E-04
2222	494511.06, 3859851.99	0.00891	0.00872	1.40E-03	1.42E-03	1.32E-03	1.35E-03	1.27E-03	3.70E-04	3.62E-04	7.31E-04	3.61E-04	3.53E-04	7.14E-04	3.56E-04	3.48E-04	7.04E-04
2223	494561.06, 3859851.99	0.0089	0.0087	1.39E-03	1.42E-03	1.31E-03	1.35E-03	1.27E-03	3.69E-04	3.61E-04	7.30E-04	3.60E-04	3.52E-04	7.13E-04	3.56E-04	3.48E-04	7.03E-04
2224	494611.06, 3859851.99	0.0087	0.00851	1.36E-03	1.39E-03	1.28E-03	1.32E-03	1.24E-03	3.61E-04	3.53E-04	7.14E-04	3.52E-04	3.45E-04	6.97E-04	3.48E-04	3.40E-04	6.87E-04
2225	494661.06, 3859851.99	0.00865	0.00846	1.36E-03	1.38E-03	1.28E-03	1.31E-03	1.23E-03	3.59E-04	3.51E-04	7.10E-04	3.50E-04	3.42E-04	6.93E-04	3.46E-04	3.38E-04	6.83E-04
2226	494711.06, 3859851.99	0.00851	0.00832	1.33E-03	1.36E-03	1.26E-03	1.29E-03	1.21E-03	3.53E-04	3.45E-04	6.98E-04	3.45E-04	3.37E-04	6.81E-04	3.40E-04	3.32E-04	6.72E-04
2227	494761.06, 3859851.99	0.00849	0.0083	1.33E-03	1.35E-03	1.25E-03	1.28E-03	1.21E-03	3.52E-04	3.44E-04	6.97E-04	3.44E-04	3.36E-04	6.80E-04	3.39E-04	3.32E-04	6.71E-04
2228	494811.06, 3859851.99	0.0084	0.00822	1.32E-03	1.34E-03	1.24E-03	1.27E-03	1.20E-03	3.48E-04	3.41E-04	6.90E-04	3.40E-04	3.33E-04	6.73E-04	3.36E-04	3.28E-04	6.64E-04
2229	494861.06, 3859851.99	0.00835	0.00816	1.31E-03	1.33E-03	1.23E-03	1.26E-03	1.19E-03	3.46E-04	3.39E-04	6.85E-04	3.38E-04	3.30E-04	6.68E-04	3.34E-04	3.26E-04	6.60E-04
2230	494911.06, 3859851.99	0.00824	0.00806	1.29E-03	1.32E-03	1.22E-03	1.25E-03	1.17E-03	3.42E-04	3.34E-04	6.76E-04	3.34E-04	3.26E-04	6.60E-04	3.29E-04	3.22E-04	6.51E-04
2231	494961.06, 3859851.99	0.00817	0.00799	1.28E-03	1.30E-03	1.21E-03	1.23E-03	1.16E-03	3.39E-04	3.31E-04	6.70E-04	3.31E-04	3.23E-04	6.54E-04	3.26E-04	3.19E-04	6.46E-04
2232	495011.06, 3859851.99	0.00809	0.00791	1.27E-03	1.29E-03	1.19E-03	1.22E-03	1.15E-03	3.36E-04	3.28E-04	6.64E-04	3.28E-04	3.20E-04	6.48E-04	3.23E-04	3.16E-04	6.39E-04
2233	495061.06, 3859851.99	0.00802	0.00785	1.26E-03	1.28E-03	1.18E-03	1.21E-03	1.14E-03	3.33E-04	3.26E-04	6.58E-04	3.25E-04	3.18E-04	6.42E-04	3.20E-04	3.14E-04	6.34E-04
2234	495111.06, 3859851.99	0.00792	0.00775	1.24E-03	1.27E-03	1.17E-03	1.20E-03	1.13E-03	3.29E-04	3.22E-04	6.50E-04	3.21E-04	3.14E-04	6.34E-04	3.16E-04	3.10E-04	6.26E-04
2235	495161.06, 3859851.99	0.00784	0.00768	1.23E-03	1.25E-03	1.16E-03	1.19E-03	1.12E-03	3.25E-04	3.19E-04	6.44E-04	3.17E-04	3.11E-04	6.28E-04	3.13E-04	3.07E-04	6.20E-04
2236	495211.06, 3859851.99	0.00777	0.00761	1.22E-03	1.24E-03	1.15E-03	1.17E-03	1.11E-03	3.22E-04	3.16E-04	6.38E-04	3.15E-04	3.08E-04	6.23E-04	3.10E-04	3.04E-04	6.14E-04
2237	495261.06, 3859851.99	0.00769	0.00753	1.20E-03	1.23E-03	1.13E-03	1.16E-03	1.10E-03	3.19E-04	3.12E-04	6.31E-04	3.11E-04	3.05E-04	6.16E-04	3.07E-04	3.01E-04	6.08E-04
2238	495311.06, 3859851.99	0.00763	0.00747	1.20E-03	1.22E-03	1.13E-03	1.15E-03	1.09E-03	3.17E-04	3.10E-04	6.26E-04	3.09E-04	3.02E-04	6.11E-04	3.05E-04	2.98E-04	6.03E-04
2239	495361.06, 3859851.99	0.00756	0.00741	1.18E-03	1.21E-03	1.12E-03	1.14E-03	1.08E-03	3.14E-04	3.07E-04	6.21E-04	3.06E-04	3.00E-04	6.06E-04	3.02E-04	2.96E-04	5.98E-04
2240	495411.06, 3859851.99	0.00748	0.00733	1.17E-03	1.20E-03	1.10E-03	1.13E-03	1.07E-03	3.10E-04	3.04E-04	6.14E-04	3.03E-04	2.97E-04	6.00E-04	2.99E-04	2.93E-04	5.92E-04
2241	495461.06, 3859851.99	0.0074	0.00725	1.16E-03	1.18E-03	1.09E-03	1.12E-03	1.06E-03	3.07E-04	3.01E-04	6.08E-04	3.00E-04	2.94E-04	5.93E-04	2.96E-04	2.90E-04	5.85E-04
2242	495511.06, 3859851.99	0.00731	0.00717	1.15E-03	1.17E-03	1.08E-03	1.10E-03	1.04E-03	3.03E-04	2.97E-04	6.01E-04	2.96E-04	2.90E-04	5.86E-04	2.92E-04	2.86E-04	5.78E-04
2243	495561.06, 3859851.99	0.00726	0.00712	1.14E-03	1.16E-03	1.07E-03	1.10E-03	1.04E-03	3.01E-04	2.95E-04	5.97E-04	2.94E-04	2.88E-04	5.82E-04	2.90E-04	2.84E-04	5.74E-04
2244	495611.06, 3859851.99	0.00721	0.00707	1.13E-03	1.15E-03	1.06E-03	1.09E-03	1.03E-03	2.99E-04	2.93E-04	5.92E-04	2.92E-04	2.86E-04	5.78E-04	2.88E-04	2.82E-04	5.70E-04
2245	495661.06, 3859851.99	0.00713	0.007	1.12E-03	1.14E-03	1.05E-03	1.08E-03	1.02E-03	2.96E-04	2.90E-04	5.86E-04	2.89E-04	2.83E-04	5.72E-04	2.85E-04	2.80E-04	5.64E-04
2246	494311.06, 3859901.99	0.00954	0.00934	1.49E-03	1.52E-03	1.41E-03	1.44E-03	1.36E-03	3.96E-04	3.87E-04	7.83E-04	3.86E-04	3.78E-04	7.64E-04	3.81E-04	3.73E-04	7.54E-04
2247	494361.06, 3859901.99	0.00934	0.00915	1.46E-03	1.49E-03	1.38E-03	1.41E-03	1.33E-03	3.87E-04	3.80E-04	7.67E-04	3.78E-04	3.70E-04	7.49E-04	3.73E-04	3.66E-04	7.39E-04
2248	494411.06, 3859901.99	0.00928	0.00908	1.45E-03	1.48E-03	1.37E-03	1.40E-03	1.32E-03	3.85E-04	3.77E-04	7.62E-04	3.76E-04	3.68E-04	7.43E-04	3.71E-04	3.63E-04	7.33E-04
2249	494461.06, 3859901.99	0.00918	0.00898	1.44E-03	1.47E-03	1.35E-03	1.39E-03	1.31E-03	3.81E-04	3.73E-04	7.53E-04	3.72E-04	3.64E-04	7.35E-04	3.67E-04	3.59E-04	7.25E-04
2250	494511.06, 3859901.99	0.00911	0.00891	1.43E-03	1.45E-03	1.34E-03	1.38E-03	1.30E-03	3.78E-04	3.70E-04	7.48E-04	3.69E-04	3.61E-04	7.30E-04	3.64E-04	3.56E-04	7.20E-04
2251	494561.06, 3859901.99	0.00912	0.00892	1.43E-03	1.46E-03	1.35E-03	1.38E-03	1.30E-03	3.78E-04	3.70E-04	7.48E-04	3.69E-04	3.61E-04	7.30E-04	3.64E-04	3.56E-04	7.21E-04
2252	494611.06, 3859901.99	0.00891	0.00871	1.40E-03	1.42E-03	1.32E-03	1.35E-03	1.27E-03	3.70E-04	3.61E-04	7.31E-04	3.61E-04	3.53E-04	7.13E-04	3.56E-04	3.48E-04	7.04E-04
2253	494661.06, 3859901.99	0.0089	0.0087	1.39E-03	1.42E-03	1.31E-03	1.35E-03	1.27E-03	3.69E-04	3.61E-04	7.30E-04	3.60E-04	3.52E-04	7.13E-04	3.56E-04	3.48E-04	7.03E-04
2254	494711.06, 3859901.99	0.0087	0.00851	1.36E-03	1.39E-03	1.28E-03	1.32E-03	1.24E-03	3.61E-04	3.53E-04	7.14E-04	3.52E-04	3.45E-04	6.97E-04	3.48E-04	3.40E-04	6.87E-04
2255	494761.06, 3859901.99	0.00867	0.00848	1.36E-03	1.38E-03	1.28E-03	1.31E-03	1.24E-03	3.60E-04	3.52E-04	7.12E-04	3.51E-04	3.43E-04	6.94E-04	3.46E-04	3.39E-04	6.85E-04
2256	494811.06, 3859901.99	0.00863	0.00844	1.35E-03	1.38E-03	1.27E-03	1.30E-03	1.23E-03	3.58E-04	3.50E-04	7.08E-04	3.49E-04	3.42E-04	6.91E-04	3.45E-04	3.37E-04	6.82E-04
2257	494861.06, 3859901.99	0.00857	0.00838	1.34E-03	1.37E-03	1.26E-03	1.30E-03	1.22E-03	3.56E-04	3.48E-04	7.03E-04	3.47E-04	3.39E-04	6.86E-04	3.42E-04	3.35E-04	6.77E-04
2258	494911.06, 3859901.99	0.00846	0.00827	1.33E-03	1.35E-03	1.25E-03	1.28E-03	1.21E-03	3.51E-04	3.43E-04	6.94E-04	3.42E-04	3.35E-04	6.77E-04	3.38E-04	3.30E-04	6.68E-04
2259	494961.06, 3859901.99	0.00839	0.00821	1.31E-03	1.34E-03	1.24E-03	1.27E-03	1.20E-03	3.48E-04	3.41E-04	6.89E-04	3.40E-04	3.32E-04	6.72E-04	3.35E-04	3.28E-04	6.63E-04
2260	495011.06, 3859901.99	0.0083	0.00811	1.30E-03	1.32E-03	1.22E-03	1.25E-03	1.18E-03	3.44E-04	3.36E-04	6.81E-04	3.36E-04	3.28E-04	6.64E-04	3.32E-04	3.24E-04	6.56E-04
2261	495061.06, 3859901.99	0.00821	0.00803	1.29E-03	1.31E-03	1.21E-03	1.24E-03	1.17E-03	3.41E-04	3.33E-04	6.74E-04	3.32E-04	3.25E-04	6.57E-04	3.28E-04	3.21E-04	6.49E-04
2262	495111.06, 3859901.99	0.00811	0.00794	1.27E-03	1.30E-03	1.20E-03	1.23E-03	1.16E-03	3.36E-04	3.29E-04	6.66E-04	3.28E-04	3.21E-04	6.50E-04	3.24E-04	3.17E-04	6.41E-04
2263	495161.06, 3859901.99	0.00802	0.00784	1.26E-03	1.28E-03	1.18E-03	1.21E-03	1.14E-03	3.33E-04	3.25E-04	6.58E-04	3.25E-04	3.17E-04	6.42E-04	3.20E-04	3.13E-04	6.34E-04
2264	495211.06, 3859901.99	0.00796	0.00779	1.25E-03	1.27E-03	1.17E-03	1.20E-03	1.13E-03	3.30E-04	3.23E-04	6.53E-04	3.22E-04	3.15E-04	6.38E-04	3.18E-04	3.11E-04	6.29E-04
2265	495261.06, 3859901.99	0.00786	0.00769	1.23E-03	1.26E-03	1.16E-03	1.19E-03	1.12E-03	3.26E-04	3.19E-04	6.45E-04	3.18E-04	3.11E-04	6.30E-04	3.14E-04	3.07E-04	6.21E-04
2266	495311.06, 3859901.99	0.0078	0.00764	1.22E-03	1.25E-03	1.15E-03	1.18E-03	1.11E-03	3.24E-04	3.17E-04	6.41E-04	3.16E-04	3.09E-04	6.25E-04	3.12E-04	3.05E-04	6.17E-04
2267	495361.06, 3859901.99	0.00773	0.00756	1.21E-03	1.23E-03	1.14E-03	1.17E-03	1.10E-03	3.21E-04	3.14E-04	6.34E-04	3.13E-04	3.06E-04	6.19E-04	3.09E-04	3.02E-04	6.11E-04
2268	495411.06, 3859901.99	0.00764	0.00748	1.20E-03	1.22E-03	1.13E-03	1.15E-03	1.09E-03	3.17E-04	3.10E-04	6.27E-04	3.09E-04	3.03E-04	6.12E-04	3.05E-04	2.99E-04	6.04E-04
2269	495461.06, 3859901.99	0.00756	0.00741	1.18E-03	1.21E-03	1.12E-03	1.14E-03	1.08E-03	3.14E-04	3.07E-04	6.21E-04	3.06E-04	3.00E-04	6.06E-04	3.02E-04	2.96E-04	5.98E-04
2270	495511.06, 3859901.99	0.0075	0.00735	1.17E-03	1.20E-03	1.11E-03	1.13E-03	1.07E-03	3.11E-04	3.05E-04	6.16E-04	3.04E-04	2.98E-04	6.01E-04	3.00E-04	2.94E-04	5.93E-04
2271	495561.06, 3859901.99	0.00745	0.0073	1.17E-03	1.19E-03	1.10E-03	1.13E-03	1.06E-03	3.09E-04	3.03E-04	6.12E-04	3.02E-04	2.96E-04	5.97E-04	2.98E-04	2.92E-04	5.89E-04
2272	495611.06, 3859901.99	0.00737	0.00723	1.15E-03	1.18E-03	1.09E-03	1.11E-03	1.05E-03	3.06E-04	3.00E-04	6.06E-04	2.98E-04	2.93E-04	5.91E-04	2.94E-04	2.89E-04	5.83E-04
2273	495661.06, 3859901.99	0.00729	0.00715	1.14E-03	1.17E-03	1.08E-03	1.10E-03	1.04E-03	3.02E-04	2.97E-04	5.99E-04	2.95E-04	2.89E-04	5.85E-04	2.91E-04	2.86E-04	5.77E-04
2274	494311.06, 3859951.99	0.00978	0.00958	1.53E-03	1.56E-03	1.44E-03	1.48E-03	1.39E-03	4.06E-04	3.97E-04	8.03E-04	3.96E-04	3.88E-04	7.84E-04	3.91E-04	3.83E-04	7.73E-04
2275	494361.06, 3859951.99	0.00963	0.00944	1.51E-03	1.54E-03	1.42E-03	1.46E-03	1.37E-03	4.00E-04	3.92E-04	7.91E-04	3.90E-04	3.82E-04	7.72E-04	3.85E-04	3.77E-04	7.62E-04
2276	494411.06, 3859951.99	0.00951	0.00931	1.49E-03	1.52E-03	1.40E-03	1.44E-03	1.36E-03	3.95E-04	3.86E-04	7.81E-04	3.85E-04	3.77E-04	7.62E-04	3.80E-04	3.72E-04	7.52E-04
2277	494461.06, 3859951.99	0.0094	0.00921	1.47E-03	1.50E-03	1.39E-03	1.42E-03	1.34E-03	3.90E-04	3.82E-04	7.72E-04	3.81E-04	3.73E-04	7.53E-04	3.76E-04	3.68E-04	7.43E-04
2278	494511.06, 3859951.99	0.00933	0.00914	1.46E-03	1.49E-03	1.38E-03	1.41E-03	1.33E-03	3.87E-04	3.79E-04	7.66E-04	3.78E-04	3.70E-04	7.48E-04	3.73E-04	3.65E-04	7.38E-04
2279	494561.06, 3859951.99	0.00937	0.00917	1.47E-03	1.50E-03	1.38E-03	1.42E-03	1.34E-03	3.89E-04	3.80E-04	7.69E-04	3.79E-04	3.71E-04	7.51E-04	3.74E-04	3.66E-04	7.41E-04
2280	494611.06, 3859951.99	0.00917	0.00898	1.44E-03	1.47E-03	1.35E-03	1.39E-03	1.31E-03	3.80E-04	3.73E-04	7.53E-04	3.71E-04	3.64E-04	7.35E-04	3.66E-04	3.59E-04	7.25E-04
2281	494661.06, 3859951.99	0.00916	0.00896	1.43E-03	1.46E-03	1.35E-03	1.38E-03	1.31E-03	3.80E-04	3.72E-04	7.52E-04	3.71E-04	3.63E-04	7.34E-04	3.66E-04	3.58E-04	7.24E-04
2282	494711.06, 3859951.99	0.00898	0.00878	1.41E-03	1.43E-03	1.33E-03	1.36E-03	1.28E-03	3.73E-04	3.64E-04	7.37E-04	3.64E-04	3.55E-04	7.19E-04	3.59E-04	3.51E-04	7.09E-04
2283	494761.06, 3859951.99	0.00892	0.00872	1.40E-03	1.42E-03	1.32E-03	1.35E-03	1.27E-03	3.70E-04	3.62E-04	7.32E-04	3.61E-04	3.53E-04	7.14E-04	3.56E-04	3.48E-04	7.05E-04
2284	494811.06, 3859951.99	0.00884	0.00865	1.38E-03	1.41E-03	1.30E-03	1.34E-03	1.26E-03	3.67E-04	3.59E-04	7.26E-04	3.58E-04	3.50E-04	7.08E-04	3.53E-04	3.46E-04	6.99E-04
2285	494861.06, 3859951.99	0.0088	0.00861	1.38E-03	1.41E-03	1.30E-03	1.33E-03	1.25E-03	3.65E-04	3.57E-04	7.22E-04	3.56E-04	3.49E-04	7.05E-04	3.52E-04	3.44E-04	6.95E-04
2286	494911.06, 3859951.99	0.00868	0.00849	1.36E-03	1.39E-03	1.28E-03	1.31E-03	1.24E-03	3.60E-04	3.52E-04	7.12E-04	3.51E-04	3.44E-04	6.95E-04	3.47E-04	3.39E-04	6.86E-04
2287	494961.06, 3859951.99	0.00858	0.00839	1.34E-03	1.37E-03	1.27E-03	1.30E-03	1.22E-03	3.56E-04	3.48E-04	7.04E-04	3.47E-04	3.40E-04	6.87E-04	3.43E-04	3.35E-04	6.78E-04
2288	495011.06, 3859951.99	0.00849	0.0083	1.33E-03	1.35E-03	1.25E-03	1.28E-03	1.21E-03	3.52E-04	3.44E-04	6.97E-04	3.44E-04	3.36E-04	6.80E-04	3.39E-04	3.32E-04	6.71E-04
2289	495061.06, 3859951.99	0.00841	0.00823	1.32E-03	1.34E-03	1.24E-03	1.27E-03	1.20E-03	3.49E-04	3.41E-04	6.90E-04	3.40E-04	3.33E-04	6.74E-04	3.36E-04	3.29E-04	6.65E-04
2290	495111.06, 3859951.99	0.0083	0.00812	1.30E-03	1.33E-03	1.22E-03	1.25E-03	1.18E-03	3.44E-04	3.37E-04	6.81E-04	3.36E-04	3.29E-04	6.65E-04	3.32E-04	3.24E-04	6.56E-04
2291	495161.06, 3859951.99	0.0082	0.00803	1.28E-03	1.31E-03	1.21E-03	1.24E-03	1.17E-03	3.40E-04	3.33E-04	6.73E-04	3.32E-04	3.25E-04	6.57E-04	3.28E-04	3.21E-04	6.48E-04
2292	495211.06, 3859951.99	0.00811	0.00794	1.27E-03	1.30E-03	1.20E-03	1.23E-03	1.16E-03	3.36E-04	3.29E-04	6.66E-04	3.28E-04	3.21E-04	6.50E-04	3.24E-04	3.17E-04	6.41E-04
2293	495261.06, 3859951.99	0.00803	0.00786	1.26E-03	1.28E-03	1.19E-03	1.21E-03	1.14E-03	3.33E-04	3.26E-04	6.59E-04	3.25E-04	3.18E-04	6.43E-04	3.21E-04	3.14E-04	6.35E-04
2294	495311.06, 3859951.99	0.00799	0.00782	1.25E-03	1.28E-03	1.18E-03	1.21E-03	1.14E-03	3.31E-04	3.24E-04	6.56E-04	3.23E-04	3.17E-04	6.40E-04	3.19E-04	3.12E-04	6.32E-04
2295	495361.06, 3859951.99	0.00792	0.00775	1.24E-03	1.27E-03	1.17E-03	1.20E-03	1.13E-03	3.29E-04	3.22E-04	6.50E-04	3.21E-04	3.14E-04	6.34E-04	3.16E-04	3.10E-04	6.26E-04
2296	495411.06, 3859951.99	0.00783	0.00767	1.23E-03	1.25E-03	1.16E-03	1.18E-03	1.12E-03	3.25E-04	3.18E-04	6.43E-04	3.17E-04	3.11E-04	6.28E-04	3.13E-04	3.06E-04	6.19E-04
2297	495461.06, 3859951.99	0.00775	0.00759	1.21E-03	1.24E-03	1.14E-03	1.17E-03	1.11E-03	3.22E-04	3.15E-04	6.36E-04	3.14E-04	3.07E-04	6.21E-04	3.10E-04	3.03E-04	6.13E-04
2298	495511.06, 3859951.99	0.00767	0.00751	1.20E-03	1.23E-03	1.13E-03	1.16E-03	1.09E-03	3.18E-04	3.12E-04	6.30E-04	3.11E-04	3.04E-04	6.15E-04	3.06E-04	3.00E-04	6.06E-04
2299	495561.06, 3859951.99	0.00764	0.00748	1.20E-03	1.22E-03	1.13E-03	1.15E-03	1.09E-03	3.17E-04	3.10E-04	6.27E-04	3.09E-04	3.03E-04	6.12E-04	3.05E-04	2.99E-04	6.04E-04
2300	495611.06, 3859951.99	0.00755	0.0074	1.18E-03	1.21E-03	1.11E-03	1.14E-03	1.08E-03	3.13E-04	3.07E-04	6.20E-04	3.06E-04	3.00E-04	6.05E-04	3.02E-04	2.96E-04	5.97E-04
2301	495661.06, 3859951.99	0.00746	0.00731	1.17E-03	1.19E-03	1.10E-03	1.13E-03	1.06E-03	3.09E-04	3.03E-04	6.13E-04	3.02E-04	2.96E-04	5.98E-04	2.98E-04	2.92E-04	5.90E-04
2302	494311.06, 3860001.99	0.01002	0.00983	1.57E-03	1.60E-03	1.48E-03	1.51E-03	1.43E-03	4.16E-04	4.08E-04	8.24E-04	4.06E-04	3.98E-04	8.04E-04	4.00E-04	3.93E-04	7.93E-04
2303	494361.06, 3860001.99	0.0099	0.00971	1.55E-03	1.58E-03	1.46E-03	1.50E-03	1.41E-03	4.11E-04	4.03E-04	8.14E-04	4.01E-04	3.93E-04	7.94E-04	3.95E-04	3.88E-04	7.83E-04
2304	494411.06, 3860001.99	0.00973	0.00954	1.52E-03	1.56E-03	1.44E-03	1.47E-03	1.39E-03	4.04E-04	3.96E-04	7.99E-04	3.94E-04	3.86E-04	7.80E-04	3.89E-04	3.81E-04	7.70E-04
2305	494461.06, 3860001.99	0.00965	0.00946	1.51E-03	1.54E-03	1.42E-03	1.46E-03	1.38E-03	4.00E-04	3.92E-04	7.93E-04	3.91E-04	3.83E-04	7.74E-04	3.85E-04	3.78E-04	7.63E-04
2306	494511.06, 3860001.99	0.00952	0.00933	1.49E-03	1.52E-03	1.41E-03	1.44E-03	1.36E-03	3.95E-04	3.87E-04	7.82E-04	3.85E-04	3.78E-04	7.63E-04	3.80E-04	3.73E-04	7.53E-04
2307	494561.06, 3860001.99	0.00961	0.00942	1.51E-03	1.54E-03	1.42E-03	1.45E-03	1.37E-03	3.99E-04	3.91E-04	7.90E-04	3.89E-04	3.81E-04	7.70E-04	3.84E-04	3.76E-04	7.60E-04
2308	494611.06, 3860001.99	0.00947	0.00928	1.48E-03	1.51E-03	1.40E-03	1.43E-03	1.35E-03	3.93E-04	3.85E-04	7.78E-04	3.83E-04	3.76E-04	7.59E-04	3.78E-04	3.71E-04	7.49E-04
2309	494661.06, 3860001.99	0.0094	0.0092	1.47E-03	1.50E-03	1.39E-03	1.42E-03	1.34E-03	3.90E-04	3.82E-04	7.72E-04	3.81E-04	3.72E-04	7.53E-04	3.76E-04	3.68E-04	7.43E-04
2310	494711.06, 3860001.99	0.00914	0.00895	1.43E-03	1.46E-03	1.35E-03	1.38E-03	1.30E-03	3.79E-04	3.71E-04	7.51E-04	3.70E-04	3.62E-04	7.32E-04	3.65E-04	3.58E-04	7.23E-04
2311	494761.06, 3860001.99	0.00915	0.00896	1.43E-03	1.46E-03	1.35E-03	1.38E-03	1.30E-03	3.80E-04	3.72E-04	7.51E-04	3.70E-04	3.63E-04	7.33E-04	3.66E-04	3.58E-04	7.23E-04
2312	494811.06, 3860001.99	0.00909	0.0089	1.42E-03	1.45E-03	1.34E-03	1.37E-03	1.30E-03	3.77E-04	3.69E-04	7.46E-04	3.68E-04	3.60E-04	7.28E-04	3.63E-04	3.56E-04	7.19E-04
2313	494861.06, 3860001.99	0.00905	0.00885	1.42E-03	1.44E-03	1.34E-03	1.37E-03	1.29E-03	3.75E-04	3.67E-04	7.43E-04	3.66E-04	3.58E-04	7.25E-04	3.62E-04	3.54E-04	7.15E-04
2314	494911.06, 3860001.99	0.00882	0.00864	1.38E-03	1.41E-03	1.30E-03	1.33E-03	1.26E-03	3.66E-04	3.58E-04	7.24E-04	3.57E-04	3.50E-04	7.07E-04	3.52E-04	3.45E-04	6.97E-04
2315	494961.06, 3860001.99	0.00877	0.00859	1.37E-03	1.40E-03	1.29E-03	1.33E-03	1.25E-03	3.64E-04	3.56E-04	7.20E-04	3.55E-04	3.48E-04	7.03E-04	3.50E-04	3.43E-04	6.93E-04
2316	495011.06, 3860001.99	0.00867	0.00848	1.36E-03	1.38E-03	1.28E-03	1.31E-03	1.24E-03	3.60E-04	3.52E-04	7.12E-04	3.51E-04	3.43E-04	6.94E-04	3.46E-04	3.39E-04	6.85E-04

2317	495061.06, 3860001.99	0.00862	0.00844	1.35E-03	1.38E-03	1.27E-03	1.30E-03	1.23E-03	3.58E-04	3.50E-04	7.08E-04	3.49E-04	3.42E-04	6.91E-04	3.44E-04	3.37E-04	6.81E-04
2318	495111.06, 3860001.99	0.00851	0.00833	1.33E-03	1.36E-03	1.26E-03	1.29E-03	1.21E-03	3.53E-04	3.46E-04	6.99E-04	3.45E-04	3.37E-04	6.82E-04	3.40E-04	3.33E-04	6.73E-04
2319	495161.06, 3860001.99	0.00841	0.00823	1.32E-03	1.34E-03	1.24E-03	1.27E-03	1.20E-03	3.49E-04	3.41E-04	6.90E-04	3.40E-04	3.33E-04	6.74E-04	3.36E-04	3.29E-04	6.65E-04
2320	495211.06, 3860001.99	0.00836	0.00818	1.31E-03	1.34E-03	1.23E-03	1.26E-03	1.19E-03	3.47E-04	3.39E-04	6.86E-04	3.38E-04	3.31E-04	6.70E-04	3.34E-04	3.27E-04	6.61E-04
2321	495261.06, 3860001.99	0.00827	0.00809	1.30E-03	1.32E-03	1.22E-03	1.25E-03	1.18E-03	3.43E-04	3.36E-04	6.79E-04	3.35E-04	3.28E-04	6.62E-04	3.30E-04	3.23E-04	6.54E-04
2322	495311.06, 3860001.99	0.0082	0.00802	1.28E-03	1.31E-03	1.21E-03	1.24E-03	1.17E-03	3.40E-04	3.33E-04	6.73E-04	3.32E-04	3.25E-04	6.57E-04	3.28E-04	3.20E-04	6.48E-04
2323	495361.06, 3860001.99	0.00807	0.0079	1.26E-03	1.29E-03	1.19E-03	1.22E-03	1.15E-03	3.35E-04	3.28E-04	6.63E-04	3.27E-04	3.20E-04	6.47E-04	3.22E-04	3.16E-04	6.38E-04
2324	495411.06, 3860001.99	0.00804	0.00787	1.26E-03	1.28E-03	1.19E-03	1.22E-03	1.15E-03	3.34E-04	3.27E-04	6.60E-04	3.25E-04	3.19E-04	6.44E-04	3.21E-04	3.14E-04	6.36E-04
2325	495461.06, 3860001.99	0.00796	0.00779	1.25E-03	1.27E-03	1.17E-03	1.20E-03	1.13E-03	3.30E-04	3.23E-04	6.53E-04	3.22E-04	3.15E-04	6.38E-04	3.18E-04	3.11E-04	6.29E-04
2326	495511.06, 3860001.99	0.00788	0.00772	1.23E-03	1.26E-03	1.16E-03	1.19E-03	1.12E-03	3.27E-04	3.20E-04	6.47E-04	3.19E-04	3.13E-04	6.32E-04	3.15E-04	3.08E-04	6.23E-04
2327	495561.06, 3860001.99	0.00784	0.00768	1.23E-03	1.25E-03	1.16E-03	1.19E-03	1.12E-03	3.25E-04	3.19E-04	6.44E-04	3.17E-04	3.11E-04	6.28E-04	3.13E-04	3.07E-04	6.20E-04
2328	495611.06, 3860001.99	0.00775	0.00759	1.21E-03	1.24E-03	1.14E-03	1.17E-03	1.11E-03	3.22E-04	3.15E-04	6.36E-04	3.14E-04	3.07E-04	6.21E-04	3.10E-04	3.03E-04	6.13E-04
2329	495661.06, 3860001.99	0.00766	0.0075	1.20E-03	1.22E-03	1.13E-03	1.16E-03	1.09E-03	3.18E-04	3.11E-04	6.29E-04	3.10E-04	3.04E-04	6.14E-04	3.06E-04	3.00E-04	6.06E-04
2330	494411.06, 3860051.99	0.01001	0.00982	1.57E-03	1.60E-03	1.48E-03	1.51E-03	1.43E-03	4.15E-04	4.07E-04	8.23E-04	4.05E-04	3.98E-04	8.03E-04	4.00E-04	3.92E-04	7.92E-04
2331	494461.06, 3860051.99	0.00989	0.0097	1.55E-03	1.58E-03	1.46E-03	1.49E-03	1.41E-03	4.10E-04	4.02E-04	8.13E-04	4.00E-04	3.93E-04	7.93E-04	3.95E-04	3.87E-04	7.83E-04
2332	494511.06, 3860051.99	0.00978	0.00959	1.53E-03	1.57E-03	1.44E-03	1.48E-03	1.39E-03	4.06E-04	3.98E-04	8.04E-04	3.96E-04	3.88E-04	7.84E-04	3.91E-04	3.83E-04	7.74E-04
2333	494561.06, 3860051.99	0.00979	0.0096	1.53E-03	1.57E-03	1.44E-03	1.48E-03	1.40E-03	4.06E-04	3.98E-04	8.04E-04	3.96E-04	3.89E-04	7.85E-04	3.91E-04	3.83E-04	7.75E-04
2334	494611.06, 3860051.99	0.00973	0.00954	1.52E-03	1.56E-03	1.44E-03	1.47E-03	1.39E-03	4.04E-04	3.96E-04	7.99E-04	3.94E-04	3.86E-04	7.80E-04	3.89E-04	3.81E-04	7.70E-04
2335	494661.06, 3860051.99	0.00965	0.00946	1.51E-03	1.54E-03	1.42E-03	1.46E-03	1.38E-03	4.00E-04	3.92E-04	7.93E-04	3.91E-04	3.83E-04	7.74E-04	3.85E-04	3.78E-04	7.63E-04
2336	494711.06, 3860051.99	0.00947	0.00928	1.48E-03	1.51E-03	1.40E-03	1.43E-03	1.35E-03	3.93E-04	3.85E-04	7.78E-04	3.83E-04	3.76E-04	7.59E-04	3.78E-04	3.71E-04	7.49E-04
2337	494761.06, 3860051.99	0.0094	0.00921	1.47E-03	1.50E-03	1.39E-03	1.42E-03	1.34E-03	3.90E-04	3.82E-04	7.72E-04	3.81E-04	3.73E-04	7.53E-04	3.76E-04	3.68E-04	7.43E-04
2338	494811.06, 3860051.99	0.00938	0.00918	1.47E-03	1.50E-03	1.38E-03	1.42E-03	1.34E-03	3.89E-04	3.81E-04	7.70E-04	3.80E-04	3.72E-04	7.51E-04	3.75E-04	3.67E-04	7.41E-04
2339	494861.06, 3860051.99	0.00934	0.00915	1.46E-03	1.49E-03	1.38E-03	1.41E-03	1.33E-03	3.87E-04	3.80E-04	7.67E-04	3.78E-04	3.70E-04	7.49E-04	3.73E-04	3.66E-04	7.39E-04
2340	494911.06, 3860051.99	0.0092	0.00901	1.44E-03	1.47E-03	1.36E-03	1.39E-03	1.31E-03	3.82E-04	3.74E-04	7.55E-04	3.72E-04	3.65E-04	7.37E-04	3.68E-04	3.60E-04	7.27E-04
2341	494961.06, 3860051.99	0.00906	0.00887	1.42E-03	1.45E-03	1.34E-03	1.37E-03	1.29E-03	3.76E-04	3.68E-04	7.44E-04	3.67E-04	3.59E-04	7.26E-04	3.62E-04	3.54E-04	7.16E-04
2342	495011.06, 3860051.99	0.00893	0.00875	1.40E-03	1.43E-03	1.32E-03	1.35E-03	1.27E-03	3.70E-04	3.63E-04	7.34E-04	3.62E-04	3.54E-04	7.16E-04	3.57E-04	3.50E-04	7.06E-04
2343	495061.06, 3860051.99	0.00884	0.00865	1.38E-03	1.41E-03	1.30E-03	1.34E-03	1.26E-03	3.67E-04	3.59E-04	7.26E-04	3.58E-04	3.50E-04	7.08E-04	3.53E-04	3.46E-04	6.99E-04
2344	495111.06, 3860051.99	0.00871	0.00853	1.36E-03	1.39E-03	1.29E-03	1.32E-03	1.24E-03	3.61E-04	3.54E-04	7.15E-04	3.53E-04	3.45E-04	6.98E-04	3.48E-04	3.41E-04	6.89E-04
2345	495161.06, 3860051.99	0.00862	0.00844	1.35E-03	1.38E-03	1.27E-03	1.30E-03	1.23E-03	3.58E-04	3.50E-04	7.08E-04	3.49E-04	3.42E-04	6.91E-04	3.44E-04	3.37E-04	6.81E-04
2346	495211.06, 3860051.99	0.00852	0.00834	1.33E-03	1.36E-03	1.26E-03	1.29E-03	1.21E-03	3.53E-04	3.46E-04	6.99E-04	3.45E-04	3.38E-04	6.83E-04	3.40E-04	3.33E-04	6.74E-04
2347	495261.06, 3860051.99	0.00846	0.00828	1.33E-03	1.35E-03	1.25E-03	1.28E-03	1.21E-03	3.51E-04	3.44E-04	6.95E-04	3.42E-04	3.35E-04	6.78E-04	3.38E-04	3.31E-04	6.69E-04
2348	495311.06, 3860051.99	0.0084	0.00822	1.32E-03	1.34E-03	1.24E-03	1.27E-03	1.20E-03	3.48E-04	3.41E-04	6.90E-04	3.40E-04	3.33E-04	6.73E-04	3.36E-04	3.28E-04	6.64E-04
2349	495361.06, 3860051.99	0.00833	0.00816	1.30E-03	1.33E-03	1.23E-03	1.26E-03	1.19E-03	3.46E-04	3.39E-04	6.84E-04	3.37E-04	3.30E-04	6.68E-04	3.33E-04	3.26E-04	6.59E-04
2350	495411.06, 3860051.99	0.00826	0.00808	1.29E-03	1.32E-03	1.22E-03	1.25E-03	1.18E-03	3.43E-04	3.35E-04	6.78E-04	3.34E-04	3.27E-04	6.62E-04	3.30E-04	3.23E-04	6.53E-04
2351	495461.06, 3860051.99	0.00817	0.008	1.28E-03	1.31E-03	1.21E-03	1.23E-03	1.16E-03	3.39E-04	3.32E-04	6.71E-04	3.31E-04	3.24E-04	6.55E-04	3.26E-04	3.20E-04	6.46E-04
2352	495511.06, 3860051.99	0.00811	0.00794	1.27E-03	1.30E-03	1.20E-03	1.23E-03	1.16E-03	3.36E-04	3.29E-04	6.66E-04	3.28E-04	3.21E-04	6.50E-04	3.24E-04	3.17E-04	6.41E-04
2353	495561.06, 3860051.99	0.00804	0.00787	1.26E-03	1.28E-03	1.19E-03	1.22E-03	1.15E-03	3.34E-04	3.27E-04	6.60E-04	3.25E-04	3.19E-04	6.44E-04	3.21E-04	3.14E-04	6.36E-04
2354	495611.06, 3860051.99	0.00795	0.00779	1.25E-03	1.27E-03	1.17E-03	1.20E-03	1.13E-03	3.30E-04	3.23E-04	6.53E-04	3.22E-04	3.15E-04	6.37E-04	3.18E-04	3.11E-04	6.29E-04
2355	495661.06, 3860051.99	0.00785	0.00769	1.23E-03	1.26E-03	1.16E-03	1.19E-03	1.12E-03	3.26E-04	3.19E-04	6.45E-04	3.18E-04	3.11E-04	6.29E-04	3.14E-04	3.07E-04	6.21E-04
2356	494411.06, 3860101.99	0.01017	0.00999	1.59E-03	1.63E-03	1.50E-03	1.54E-03	1.45E-03	4.22E-04	4.14E-04	8.36E-04	4.12E-04	4.04E-04	8.16E-04	4.06E-04	3.99E-04	8.05E-04
2357	494461.06, 3860101.99	0.01017	0.00998	1.59E-03	1.63E-03	1.50E-03	1.54E-03	1.45E-03	4.22E-04	4.14E-04	8.36E-04	4.12E-04	4.04E-04	8.16E-04	4.06E-04	3.99E-04	8.05E-04
2358	494511.06, 3860101.99	0.00999	0.00981	1.56E-03	1.60E-03	1.47E-03	1.51E-03	1.42E-03	4.14E-04	4.07E-04	8.21E-04	4.04E-04	3.97E-04	8.02E-04	3.99E-04	3.92E-04	7.91E-04
2359	494561.06, 3860101.99	0.00994	0.00975	1.56E-03	1.59E-03	1.47E-03	1.50E-03	1.42E-03	4.12E-04	4.05E-04	8.17E-04	4.02E-04	3.95E-04	7.97E-04	3.97E-04	3.89E-04	7.87E-04
2360	494611.06, 3860101.99	0.00995	0.00976	1.56E-03	1.59E-03	1.47E-03	1.50E-03	1.42E-03	4.13E-04	4.05E-04	8.18E-04	4.03E-04	3.95E-04	7.98E-04	3.97E-04	3.90E-04	7.87E-04
2361	494661.06, 3860101.99	0.00989	0.0097	1.55E-03	1.58E-03	1.46E-03	1.49E-03	1.41E-03	4.10E-04	4.02E-04	8.13E-04	4.00E-04	3.93E-04	7.93E-04	3.95E-04	3.87E-04	7.83E-04
2362	494711.06, 3860101.99	0.00972	0.00953	1.52E-03	1.56E-03	1.43E-03	1.47E-03	1.39E-03	4.03E-04	3.95E-04	7.99E-04	3.94E-04	3.86E-04	7.79E-04	3.88E-04	3.81E-04	7.69E-04
2363	494761.06, 3860101.99	0.00965	0.00946	1.51E-03	1.54E-03	1.42E-03	1.46E-03	1.38E-03	4.00E-04	3.92E-04	7.93E-04	3.91E-04	3.83E-04	7.74E-04	3.85E-04	3.78E-04	7.63E-04
2364	494811.06, 3860101.99	0.00959	0.0094	1.50E-03	1.53E-03	1.42E-03	1.45E-03	1.37E-03	3.98E-04	3.90E-04	7.88E-04	3.88E-04	3.81E-04	7.69E-04	3.83E-04	3.76E-04	7.59E-04
2365	494861.06, 3860101.99	0.00965	0.00945	1.51E-03	1.54E-03	1.42E-03	1.46E-03	1.38E-03	4.00E-04	3.92E-04	7.92E-04	3.91E-04	3.83E-04	7.73E-04	3.85E-04	3.77E-04	7.63E-04
2366	494911.06, 3860101.99	0.00936	0.00917	1.47E-03	1.50E-03	1.38E-03	1.41E-03	1.33E-03	3.88E-04	3.80E-04	7.69E-04	3.79E-04	3.71E-04	7.50E-04	3.74E-04	3.66E-04	7.40E-04
2367	494961.06, 3860101.99	0.00928	0.00909	1.45E-03	1.48E-03	1.37E-03	1.40E-03	1.32E-03	3.85E-04	3.77E-04	7.62E-04	3.76E-04	3.68E-04	7.44E-04	3.71E-04	3.63E-04	7.34E-04
2368	495011.06, 3860101.99	0.00916	0.00897	1.43E-03	1.46E-03	1.35E-03	1.38E-03	1.31E-03	3.80E-04	3.72E-04	7.52E-04	3.71E-04	3.63E-04	7.34E-04	3.66E-04	3.58E-04	7.24E-04
2369	495061.06, 3860101.99	0.00905	0.00886	1.42E-03	1.45E-03	1.34E-03	1.37E-03	1.29E-03	3.75E-04	3.68E-04	7.43E-04	3.66E-04	3.59E-04	7.25E-04	3.62E-04	3.54E-04	7.15E-04
2370	495111.06, 3860101.99	0.00891	0.00873	1.40E-03	1.42E-03	1.32E-03	1.35E-03	1.27E-03	3.70E-04	3.62E-04	7.32E-04	3.61E-04	3.53E-04	7.14E-04	3.56E-04	3.49E-04	7.05E-04
2371	495161.06, 3860101.99	0.00885	0.00867	1.39E-03	1.42E-03	1.31E-03	1.34E-03	1.26E-03	3.67E-04	3.60E-04	7.27E-04	3.58E-04	3.51E-04	7.09E-04	3.54E-04	3.46E-04	7.00E-04
2372	495211.06, 3860101.99	0.00876	0.00858	1.37E-03	1.40E-03	1.29E-03	1.32E-03	1.25E-03	3.63E-04	3.56E-04	7.19E-04	3.55E-04	3.47E-04	7.02E-04	3.50E-04	3.43E-04	6.93E-04
2373	495261.06, 3860101.99	0.00868	0.0085	1.36E-03	1.39E-03	1.28E-03	1.31E-03	1.24E-03	3.60E-04	3.53E-04	7.13E-04	3.51E-04	3.44E-04	6.96E-04	3.47E-04	3.40E-04	6.86E-04
2374	495311.06, 3860101.99	0.0086	0.00842	1.35E-03	1.37E-03	1.27E-03	1.30E-03	1.23E-03	3.57E-04	3.49E-04	7.06E-04	3.48E-04	3.41E-04	6.89E-04	3.44E-04	3.36E-04	6.80E-04
2375	495361.06, 3860101.99	0.00855	0.00837	1.34E-03	1.37E-03	1.26E-03	1.29E-03	1.22E-03	3.55E-04	3.47E-04	7.02E-04	3.46E-04	3.39E-04	6.85E-04	3.42E-04	3.34E-04	6.76E-04
2376	495411.06, 3860101.99	0.00847	0.00829	1.33E-03	1.35E-03	1.25E-03	1.28E-03	1.21E-03	3.51E-04	3.44E-04	6.95E-04	3.43E-04	3.36E-04	6.79E-04	3.38E-04	3.31E-04	6.70E-04
2377	495461.06, 3860101.99	0.00835	0.00817	1.31E-03	1.33E-03	1.23E-03	1.26E-03	1.19E-03	3.46E-04	3.39E-04	6.85E-04	3.38E-04	3.31E-04	6.69E-04	3.34E-04	3.26E-04	6.60E-04
2378	495511.06, 3860101.99	0.0083	0.00813	1.30E-03	1.33E-03	1.22E-03	1.25E-03	1.18E-03	3.44E-04	3.37E-04	6.82E-04	3.36E-04	3.29E-04	6.65E-04	3.32E-04	3.25E-04	6.56E-04
2379	495561.06, 3860101.99	0.00825	0.00808	1.29E-03	1.32E-03	1.22E-03	1.25E-03	1.18E-03	3.42E-04	3.35E-04	6.77E-04	3.34E-04	3.27E-04	6.61E-04	3.30E-04	3.23E-04	6.52E-04
2380	495611.06, 3860101.99	0.00814	0.00797	1.28E-03	1.30E-03	1.20E-03	1.23E-03	1.16E-03	3.38E-04	3.31E-04	6.68E-04	3.30E-04	3.23E-04	6.52E-04	3.25E-04	3.18E-04	6.44E-04
2381	495661.06, 3860101.99	0.00807	0.0079	1.26E-03	1.29E-03	1.19E-03	1.22E-03	1.15E-03	3.35E-04	3.28E-04	6.63E-04	3.27E-04	3.20E-04	6.47E-04	3.22E-04	3.16E-04	6.38E-04
2382	494861.06, 3860151.99	0.00998	0.00978	1.56E-03	1.60E-03	1.47E-03	1.51E-03	1.42E-03	4.14E-04	4.06E-04	8.20E-04	4.04E-04	3.96E-04	8.00E-04	3.99E-04	3.91E-04	7.89E-04
2383	494911.06, 3860151.99	0.00965	0.00946	1.51E-03	1.54E-03	1.42E-03	1.46E-03	1.38E-03	4.00E-04	3.92E-04	7.93E-04	3.91E-04	3.83E-04	7.74E-04	3.85E-04	3.78E-04	7.63E-04
2384	494961.06, 3860151.99	0.00953	0.00934	1.49E-03	1.52E-03	1.41E-03	1.44E-03	1.36E-03	3.95E-04	3.87E-04	7.83E-04	3.86E-04	3.78E-04	7.64E-04	3.81E-04	3.73E-04	7.54E-04
2385	495011.06, 3860151.99	0.0094	0.00922	1.47E-03	1.50E-03	1.39E-03	1.42E-03	1.34E-03	3.90E-04	3.83E-04	7.73E-04	3.81E-04	3.73E-04	7.54E-04	3.76E-04	3.68E-04	7.44E-04
2386	495061.06, 3860151.99	0.00928	0.0091	1.45E-03	1.49E-03	1.37E-03	1.40E-03	1.32E-03	3.85E-04	3.78E-04	7.63E-04	3.76E-04	3.68E-04	7.44E-04	3.71E-04	3.64E-04	7.34E-04
2387	495111.06, 3860151.99	0.00919	0.009	1.44E-03	1.47E-03	1.36E-03	1.39E-03	1.31E-03	3.81E-04	3.73E-04	7.55E-04	3.72E-04	3.64E-04	7.36E-04	3.67E-04	3.60E-04	7.27E-04
2388	495161.06, 3860151.99	0.0091	0.00892	1.43E-03	1.46E-03	1.34E-03	1.38E-03	1.30E-03	3.78E-04	3.70E-04	7.48E-04	3.68E-04	3.61E-04	7.30E-04	3.64E-04	3.56E-04	7.20E-04
2389	495211.06, 3860151.99	0.00901	0.00882	1.41E-03	1.44E-03	1.33E-03	1.36E-03	1.28E-03	3.74E-04	3.66E-04	7.40E-04	3.65E-04	3.57E-04	7.22E-04	3.60E-04	3.52E-04	7.12E-04
2390	495261.06, 3860151.99	0.00893	0.00875	1.40E-03	1.43E-03	1.32E-03	1.35E-03	1.27E-03	3.70E-04	3.63E-04	7.34E-04	3.62E-04	3.54E-04	7.16E-04	3.57E-04	3.50E-04	7.06E-04
2391	495311.06, 3860151.99	0.00885	0.00867	1.39E-03	1.42E-03	1.31E-03	1.34E-03	1.26E-03	3.67E-04	3.60E-04	7.27E-04	3.58E-04	3.51E-04	7.09E-04	3.54E-04	3.46E-04	7.00E-04
2392	495361.06, 3860151.99	0.00878	0.0086	1.38E-03	1.40E-03	1.30E-03	1.33E-03	1.25E-03	3.64E-04	3.57E-04	7.21E-04	3.55E-04	3.48E-04	7.04E-04	3.51E-04	3.44E-04	6.94E-04
2393	495411.06, 3860151.99	0.0087	0.00852	1.36E-03	1.39E-03	1.28E-03	1.32E-03	1.24E-03	3.61E-04	3.53E-04	7.14E-04	3.52E-04	3.45E-04	6.97E-04	3.48E-04	3.40E-04	6.88E-04
2394	495461.06, 3860151.99	0.00862	0.00844	1.35E-03	1.38E-03	1.27E-03	1.30E-03	1.23E-03	3.58E-04	3.50E-04	7.08E-04	3.49E-04	3.42E-04	6.91E-04	3.44E-04	3.37E-04	6.81E-04
2395	495511.06, 3860151.99	0.00852	0.00835	1.33E-03	1.36E-03	1.26E-03	1.29E-03	1.21E-03	3.53E-04	3.46E-04	7.00E-04	3.45E-04	3.38E-04	6.83E-04	3.40E-04	3.34E-04	6.74E-04
2396	495561.06, 3860151.99	0.00846	0.00829	1.33E-03	1.35E-03	1.25E-03	1.28E-03	1.21E-03	3.51E-04	3.44E-04	6.95E-04	3.42E-04	3.36E-04	6.78E-04	3.38E-04	3.31E-04	6.69E-04
2397	495611.06, 3860151.99	0.00837	0.0082	1.31E-03	1.34E-03	1.24E-03	1.27E-03	1.19E-03	3.47E-04	3.40E-04	6.87E-04	3.39E-04	3.32E-04	6.71E-04	3.34E-04	3.28E-04	6.62E-04
2398	495661.06, 3860151.99	0.00827	0.0081	1.30E-03	1.32E-03	1.22E-03	1.25E-03	1.18E-03	3.43E-04	3.36E-04	6.79E-04	3.35E-04	3.28E-04	6.63E-04	3.30E-04	3.24E-04	6.54E-04
2399	495718.25, 3859442.96	0.0058	0.00575	9.09E-04	9.39E-04	8.56E-04	8.77E-04	8.27E-04	2.41E-04	2.39E-04	4.79E-04	2.35E-04	2.33E-04	4.68E-04	2.32E-04	2.30E-04	4.61E-04
2400	495818.25, 3859442.96	0.00569	0.00565	8.91E-04	9.22E-04	8.40E-04	8.60E-04	8.11E-04	2.36E-04	2.34E-04	4.70E-04	2.30E-04	2.29E-04	4.59E-04	2.27E-04	2.26E-04	4.53E-04
2401	495918.25, 3859442.96	0.00561	0.00557	8.79E-04	9.09E-04	8.28E-04	8.48E-04	8.00E-04	2.33E-04	2.31E-04	4.64E-04	2.27E-04	2.25E-04	4.53E-04	2.24E-04	2.23E-04	4.47E-04
2402	496018.25, 3859442.96	0.00554	0.0055	8.68E-04	8.98E-04	8.18E-04	8.37E-04	7.90E-04	2.30E-04	2.28E-04	4.58E-04	2.24E-04	2.23E-04	4.47E-04	2.21E-04	2.20E-04	4.41E-04
2403	496118.25, 3859442.96	0.00554	0.0055	8.68E-04	8.98E-04	8.18E-04	8.37E-04	7.90E-04	2.30E-04	2.28E-04	4.58E-04	2.24E-04	2.23E-04	4.47E-04	2.21E-04	2.20E-04	4.41E-04
2404	496218.25, 3859442.96	0.00552	0.00549	8.65E-04	8.96E-04	8.15E-04	8.34E-04	7.87E-04	2.29E-04	2.28E-04	4.57E-04	2.23E-04	2.22E-04	4.46E-04	2.21E-04	2.19E-04	4.40E-04
2405	496318.25, 3859442.96	0.00547	0.00543	8.57E-04	8.86E-04	8.07E-04	8.27E-04	7.80E-04	2.27E-04	2.25E-04	4.52E-04	2.21E-04	2.20E-04	4.41E-04	2.19E-04	2.17E-04	4.35E-04
2406	496418.25, 3859442.96	0.0054	0.00537	8.46E-04	8.77E-04	7.97E-04	8.16E-04	7.70E-04	2.24E-04	2.23E-04	4.47E-04	2.19E-04	2.17E-04	4.36E-04	2.16E-04	2.15E-04	4.30E-04
2407	495718.25, 3859542.96	0.00607	0.00601	9.51E-04	9.81E-04	8.96E-04	9.18E-04	8.65E-04	2.52E-04	2.49E-04	5.01E-04	2.46E-04	2.43E-04	4.89E-04	2.42E-04	2.40E-04	4.83E-04
2408	495818.25, 3859542.96	0.00598	0.00592	9.37E-04	9.66E-04	8.83E-04	9.04E-04	8.53E-04	2.48E-04	2.46E-04	4.94E-04	2.42E-04	2.40E-04	4.82E-04	2.39E-04	2.36E-04	4.75E-04
2409	495918.25, 3859542.96	0.00587	0.00582	9.20E-04	9.50E-04	8.66E-04	8.87E-04	8.37E-04	2.44E-04	2.41E-04	4.85E-04	2.38E-04	2.36E-04	4.73E-04	2.34E-04	2.32E-04	4.67E-04
2410	496018.25, 3859542.96	0.00578	0.00574	9.05E-04	9.37E-04	8.53E-04	8.74E-04	8.24E-04	2.40E-04	2.38E-04	4.78E-04	2.34E-04	2.32E-04	4.66E-04	2.31E-04	2.29E-04	4.60E-04
2411	496118.25, 3859542.96	0.00578	0.00573	9.05E-04	9.35E-04	8.53E-04	8.74E-04	8.24E-04	2.40E-04	2.38E-04	4.78E-04	2.34E-04	2.32E-04	4.66E-04	2.31E-04	2.29E-04	4.60E-04
2412	496218.25, 3859542.96	0.00575	0.0057	9.01E-04	9.30E-04	8.49E-04	8.69E-04	8.20E-04	2.39E-04	2.36E-04	4.75E-04	2.33E-04	2.31E-04	4.64E-04	2.30E-04	2.28E-04	4.57E-04
2413	496318.25, 3859542.96	0.00571	0.00566	8.94E-04	9.24E-04	8.43E-04	8.63E-04	8.14E-04	2.37E-04	2.35E-04	4.72E-04	2.31E-04	2.29E-04	4.60E-04	2.28E-04	2.26E-04	4.54E-04
2414	496418.25, 3859542.96	0.00563	0.00558	8.82E-04	9.11E-04	8.31E-04	8.51E-04	8.03E-04	2.34E-04	2.32E-04	4.65E-04	2.28E-04	2.26E-04	4.54E-04	2.25E-04	2.23E-04	4.48E-04
2415	495718.25, 3859642.96	0.00635	0.00626	9.95E-04	1.02E-03	9.37E-04	9.60E-04	9.05E-04	2.63E-04	2.60E-04	5.23E-04	2.57E-04	2.53E-04	5.11E-04	2.54E-04	2.50E-04	5.04E-04
2416	495818.25, 3859642.96	0.00623	0.00616	9.76E-04	1.01E-03	9.19E-04	9.42E-04	8.88E-04	2.58E-04	2.56E-04	5.14E-04	2.52E-04	2.49E-04	5.02E-04	2.49E-04	2.46E-04	4.95E-04
2417	495918.25, 3859642.96	0.00615	0.00608	9.63E-04	9.92E-04	9.08E-04	9.30E-04	8.77E-04	2.55E-04	2.52E-04	5.07E-04	2.49E-04	2.46E-04	4.95E-04	2.46E-04	2.43E-04	4.89E-04
2418	496018.25, 3859642.96	0.00605	0.00599	9.48E-04	9.78E-04	8.93E-04	9.15E-04	8.63E-04	2.51E-04	2.49E-04	5.00E-04	2.45E-04	2.43E-04	4.87E-04	2.42E-04	2.39E-04	4.81E-04
2419	496118.25, 3859642.96	0.00606	0.00599	9.49E-04	9.78E-04	8.94E-04	9.16E-04	8.64E-04	2.51E-04	2.49E-04	5.00E-04	2.45E-04	2.43E-04	4.88E-04	2.42E-04	2.39E-04	4.81E-04
2420	496218.25, 3859642.96	0.00604	0.00597	9.46E-04	9.74E-04	8.91E-04	9.13E-04	8.61E-04	2.51E-04	2.48E-04	4.98E-04	2.45E-04	2.42E-04	4.86E-04	2.41E-04	2.38E-04	4.80E-04
2421	496318.25, 3859642.96	0.00596	0.00589	9.34E-04	9.61E-04	8.80E-04	9.01E-04	8.50E-04	2.47E-04	2.44E-04	4.92E-04	2.41E-04	2.38E-04	4.80E-04	2.38E-04	2.35E-04	4.73E-04
2422	496418.25, 3859642.96	0.00574	0.00569	8.99E-04	9.29E-04	8.47E-04	8.68E-04	8.18E-04	2.38E-04	2.36E-04	4.74E-04	2.32E-04	2.30E-04	4.63E-04	2.29E-04	2.27E-04	4.57E-04
2423	495718.25, 3859742.96	0.00669	0.00659	1.05E-03	1.08E-03	9.87E-04	1.01E-03	9.54E-04	2.78E-04	2.73E-04	5.51E-04	2.71E-04	2.67E-04	5.38E-04	2.67E-04	2.63E-04	5.30E-04
2424	495818.25, 3859742.96	0.00656	0.00646	1.03E-03	1.05E-03	9.68E-04	9.92E-04	9.35E-04	2.72E-04	2.68E-04	5.40E-04	2.66E-04	2.62E-04	5.27E-04	2.62E-04	2.58E-04	5.20E-04
2425	495918.25, 3859742.96	0.00645	0.00636	1.01E-03	1.04E-03	9.52E-04	9.75E-04	9.20E-04	2.68E-04	2.64E-04	5.31E-04	2.61E-04	2.57E-04	5.19E-04	2.58E-04	2.54E-04	5.12E-04
2426	496018.25, 3859742.96	0.00634	0.00625	9.93E-04	1.02E-03	9.36E-04	9.58E-04	9.04E-04	2.63E-04	2.59E-04	5.22E-04	2.57E-04	2.53E-04	5.10E-04	2.53E-04	2.50E-04	5.03E-04
2427	496118.25, 3859742.96	0.00633	0.00624	9.92E-04	1.02E-03	9.34E-04	9.57E-04	9.03E-04	2.63E-04	2.59E-04	5.22E-04	2.56E-04	2.53E-04	5.09E-04	2.53E-04	2.49E-04	5.02E-04
2428	496218.25, 3859742.96	0.00635	0.00626	9.95E-04	1.02E-03	9.37E-04	9.60E-04	9.05E-04	2.63E-04	2.60E-04	5.23E-04	2.57E-04	2.53E-04	5.11E-04	2.54E-04	2.50E-04	5.04E-04
2429	496318.25, 3859742.96	0.00613	0.00606	9.60E-04	9.89E-04	9.05E-04	9.27E-04	8.74E-04	2.54E-04	2.51E-04	5.06E-04	2.48E-04	2.45E-04	4.94E-04	2.45E-04	2.42E-04	4.87E-04
2430	496418.25, 3859742.96	0.00592	0.00586	9.27E-04	9.57E-04	8.74E-04	8.95E-04	8.44E-04	2.46E-04	2.43E-04	4.89E-04	2.40E-04	2.37E-04	4.77E-04	2.36E-04	2.34E-04	4.71E-04
2431	495718.25, 3859842.96	0.00703	0.0069	1.10E-03	1.13E-03	1.04E-03	1.06E-03	1.00E-03	2.92E-04	2.86E-04	5.78E-04	2.85E-04	2.79E-04	5.64E-04	2.81E-04	2.76E-04	5.56E-04
2432	495818.25, 3859842.96	0.00691	0.00679	1.08E-03	1.11E-03	1.02E-03	1.04E-03	9.85E-04	2.87E-04	2.82E-04	5.68E-04	2.80E-04	2.75E-04	5.55E-04	2.76E-04	2.71E-04	5.47E-04

2433	495918.25, 3859842.96	0.00679	0.00667	1.06E-03	1.09E-03	1.00E-03	1.03E-03	9.68E-04	2.82E-04	2.77E-04	5.58E-04	2.75E-04	2.70E-04	5.45E-04	2.71E-04	2.66E-04	5.38E-04
2434	496018.25, 3859842.96	0.00671	0.0066	1.05E-03	1.08E-03	9.90E-04	1.01E-03	9.57E-04	2.78E-04	2.74E-04	5.52E-04	2.72E-04	2.67E-04	5.39E-04	2.68E-04	2.64E-04	5.32E-04
2435	496118.25, 3859842.96	0.00672	0.00661	1.05E-03	1.08E-03	9.92E-04	1.02E-03	9.58E-04	2.79E-04	2.74E-04	5.53E-04	2.72E-04	2.68E-04	5.40E-04	2.68E-04	2.64E-04	5.32E-04
2436	496218.25, 3859842.96	0.00652	0.00642	1.02E-03	1.05E-03	9.62E-04	9.86E-04	9.30E-04	2.71E-04	2.66E-04	5.37E-04	2.64E-04	2.60E-04	5.24E-04	2.60E-04	2.56E-04	5.17E-04
2437	496318.25, 3859842.96	0.00614	0.00607	9.62E-04	9.91E-04	9.06E-04	9.28E-04	8.75E-04	2.55E-04	2.52E-04	5.07E-04	2.49E-04	2.46E-04	4.94E-04	2.45E-04	2.42E-04	4.88E-04
2438	496418.25, 3859842.96	0.00592	0.00587	9.27E-04	9.58E-04	8.74E-04	8.95E-04	8.44E-04	2.46E-04	2.44E-04	4.89E-04	2.40E-04	2.38E-04	4.77E-04	2.36E-04	2.34E-04	4.71E-04
2439	495718.25, 3859942.96	0.00737	0.00723	1.15E-03	1.18E-03	1.09E-03	1.11E-03	1.05E-03	3.06E-04	3.00E-04	6.06E-04	2.98E-04	2.93E-04	5.91E-04	2.94E-04	2.89E-04	5.83E-04
2440	495818.25, 3859942.96	0.00723	0.0071	1.13E-03	1.16E-03	1.07E-03	1.09E-03	1.03E-03	3.00E-04	2.95E-04	5.95E-04	2.93E-04	2.87E-04	5.80E-04	2.89E-04	2.84E-04	5.72E-04
2441	495918.25, 3859942.96	0.00714	0.007	1.12E-03	1.14E-03	1.05E-03	1.08E-03	1.02E-03	2.96E-04	2.90E-04	5.87E-04	2.89E-04	2.83E-04	5.72E-04	2.85E-04	2.80E-04	5.65E-04
2442	496018.25, 3859942.96	0.00712	0.00699	1.12E-03	1.14E-03	1.05E-03	1.08E-03	1.02E-03	2.95E-04	2.90E-04	5.85E-04	2.88E-04	2.83E-04	5.71E-04	2.84E-04	2.79E-04	5.64E-04
2443	496118.25, 3859942.96	0.00693	0.00681	1.09E-03	1.11E-03	1.02E-03	1.05E-03	9.88E-04	2.88E-04	2.83E-04	5.70E-04	2.81E-04	2.76E-04	5.56E-04	2.77E-04	2.72E-04	5.49E-04
2444	496218.25, 3859942.96	0.00664	0.00654	1.04E-03	1.07E-03	9.80E-04	1.00E-03	9.47E-04	2.75E-04	2.71E-04	5.47E-04	2.69E-04	2.65E-04	5.34E-04	2.65E-04	2.61E-04	5.27E-04
2445	496318.25, 3859942.96	0.00637	0.00628	9.98E-04	1.03E-03	9.40E-04	9.63E-04	9.08E-04	2.64E-04	2.61E-04	5.25E-04	2.58E-04	2.54E-04	5.12E-04	2.54E-04	2.51E-04	5.05E-04
2446	496418.25, 3859942.96	0.00605	0.00599	9.48E-04	9.78E-04	8.93E-04	9.15E-04	8.63E-04	2.51E-04	2.49E-04	5.00E-04	2.45E-04	2.43E-04	4.87E-04	2.42E-04	2.39E-04	4.81E-04
2447	496856.82, 3858864.83	0.00426	0.00426	6.67E-04	6.95E-04	6.29E-04	6.44E-04	6.07E-04	1.77E-04	1.77E-04	3.53E-04	1.72E-04	1.72E-04	3.45E-04	1.70E-04	1.70E-04	3.40E-04
2448	496956.82, 3858864.83	0.00422	0.00422	6.61E-04	6.89E-04	6.23E-04	6.38E-04	6.02E-04	1.75E-04	1.75E-04	3.50E-04	1.71E-04	1.71E-04	3.42E-04	1.69E-04	1.69E-04	3.37E-04
2449	497056.82, 3858864.83	0.00418	0.00418	6.55E-04	6.82E-04	6.17E-04	6.32E-04	5.96E-04	1.73E-04	1.73E-04	3.47E-04	1.69E-04	1.69E-04	3.38E-04	1.67E-04	1.67E-04	3.34E-04
2450	497156.82, 3858864.83	0.00414	0.00414	6.49E-04	6.76E-04	6.11E-04	6.26E-04	5.90E-04	1.72E-04	1.72E-04	3.44E-04	1.68E-04	1.68E-04	3.35E-04	1.65E-04	1.65E-04	3.31E-04
2451	497256.82, 3858864.83	0.00412	0.00412	6.45E-04	6.73E-04	6.08E-04	6.23E-04	5.87E-04	1.71E-04	1.71E-04	3.42E-04	1.67E-04	1.67E-04	3.34E-04	1.65E-04	1.65E-04	3.29E-04
2452	496856.82, 3858964.83	0.00439	0.00439	6.88E-04	7.17E-04	6.48E-04	6.64E-04	6.26E-04	1.82E-04	1.82E-04	3.64E-04	1.78E-04	1.78E-04	3.55E-04	1.75E-04	1.75E-04	3.51E-04
2453	496956.82, 3858964.83	0.00433	0.00434	6.78E-04	7.08E-04	6.39E-04	6.55E-04	6.17E-04	1.80E-04	1.80E-04	3.60E-04	1.75E-04	1.76E-04	3.51E-04	1.73E-04	1.73E-04	3.46E-04
2454	497056.82, 3858964.83	0.00429	0.00429	6.72E-04	7.00E-04	6.33E-04	6.48E-04	6.12E-04	1.78E-04	1.78E-04	3.56E-04	1.74E-04	1.74E-04	3.47E-04	1.71E-04	1.71E-04	3.43E-04
2455	497156.82, 3858964.83	0.00425	0.00425	6.66E-04	6.94E-04	6.27E-04	6.42E-04	6.06E-04	1.76E-04	1.76E-04	3.53E-04	1.72E-04	1.72E-04	3.44E-04	1.70E-04	1.70E-04	3.40E-04
2456	497256.82, 3858964.83	0.00426	0.00426	6.67E-04	6.95E-04	6.29E-04	6.44E-04	6.07E-04	1.77E-04	1.77E-04	3.53E-04	1.72E-04	1.72E-04	3.45E-04	1.70E-04	1.70E-04	3.40E-04
2457	496856.82, 3859064.83	0.00449	0.0045	7.03E-04	7.35E-04	6.63E-04	6.79E-04	6.40E-04	1.86E-04	1.87E-04	3.73E-04	1.82E-04	1.82E-04	3.64E-04	1.79E-04	1.80E-04	3.59E-04
2458	496956.82, 3859064.83	0.00444	0.00445	6.96E-04	7.26E-04	6.55E-04	6.71E-04	6.33E-04	1.84E-04	1.85E-04	3.69E-04	1.80E-04	1.80E-04	3.60E-04	1.77E-04	1.78E-04	3.55E-04
2459	497056.82, 3859064.83	0.0044	0.00441	6.89E-04	7.20E-04	6.49E-04	6.65E-04	6.27E-04	1.83E-04	1.83E-04	3.66E-04	1.78E-04	1.79E-04	3.57E-04	1.76E-04	1.76E-04	3.52E-04
2460	497156.82, 3859064.83	0.00437	0.00437	6.85E-04	7.13E-04	6.45E-04	6.61E-04	6.23E-04	1.81E-04	1.81E-04	3.63E-04	1.77E-04	1.77E-04	3.54E-04	1.75E-04	1.75E-04	3.49E-04
2461	497256.82, 3859064.83	0.0044	0.0044	6.89E-04	7.18E-04	6.49E-04	6.65E-04	6.27E-04	1.83E-04	1.83E-04	3.65E-04	1.78E-04	1.78E-04	3.56E-04	1.76E-04	1.76E-04	3.52E-04
2462	496856.82, 3859164.83	0.00458	0.00458	7.17E-04	7.48E-04	6.76E-04	6.92E-04	6.53E-04	1.90E-04	1.90E-04	3.80E-04	1.85E-04	1.85E-04	3.71E-04	1.83E-04	1.83E-04	3.66E-04
2463	496956.82, 3859164.83	0.00453	0.00453	7.10E-04	7.39E-04	6.69E-04	6.85E-04	6.46E-04	1.88E-04	1.88E-04	3.76E-04	1.83E-04	1.83E-04	3.67E-04	1.81E-04	1.81E-04	3.62E-04
2464	497056.82, 3859164.83	0.0045	0.0045	7.05E-04	7.35E-04	6.64E-04	6.80E-04	6.42E-04	1.87E-04	1.87E-04	3.73E-04	1.82E-04	1.82E-04	3.64E-04	1.80E-04	1.80E-04	3.60E-04
2465	497156.82, 3859164.83	0.0045	0.00451	7.05E-04	7.36E-04	6.64E-04	6.80E-04	6.42E-04	1.87E-04	1.87E-04	3.74E-04	1.82E-04	1.83E-04	3.65E-04	1.80E-04	1.80E-04	3.60E-04
2466	497256.82, 3859164.83	0.00455	0.00455	7.13E-04	7.43E-04	6.72E-04	6.88E-04	6.49E-04	1.89E-04	1.89E-04	3.78E-04	1.84E-04	1.84E-04	3.68E-04	1.82E-04	1.82E-04	3.64E-04
2467	496856.82, 3859264.83	0.00467	0.00466	7.32E-04	7.61E-04	6.89E-04	7.06E-04	6.66E-04	1.94E-04	1.93E-04	3.87E-04	1.89E-04	1.89E-04	3.78E-04	1.87E-04	1.86E-04	3.73E-04
2468	496956.82, 3859264.83	0.00465	0.00464	7.28E-04	7.57E-04	6.86E-04	7.03E-04	6.63E-04	1.93E-04	1.93E-04	3.85E-04	1.88E-04	1.88E-04	3.76E-04	1.86E-04	1.85E-04	3.71E-04
2469	497056.82, 3859264.83	0.00465	0.00465	7.28E-04	7.59E-04	6.86E-04	7.03E-04	6.63E-04	1.93E-04	1.93E-04	3.86E-04	1.88E-04	1.88E-04	3.77E-04	1.86E-04	1.86E-04	3.72E-04
2470	497156.82, 3859264.83	0.00465	0.00465	7.28E-04	7.59E-04	6.86E-04	7.03E-04	6.63E-04	1.93E-04	1.93E-04	3.86E-04	1.88E-04	1.88E-04	3.77E-04	1.86E-04	1.86E-04	3.72E-04
2471	497256.82, 3859264.83	0.00469	0.00468	7.35E-04	7.64E-04	6.92E-04	7.09E-04	6.69E-04	1.95E-04	1.94E-04	3.89E-04	1.90E-04	1.89E-04	3.79E-04	1.87E-04	1.87E-04	3.74E-04
2472	497088.92, 3858620.93	0.00388	0.00388	6.08E-04	6.33E-04	5.73E-04	5.87E-04	5.53E-04	1.61E-04	1.61E-04	3.22E-04	1.57E-04	1.57E-04	3.14E-04	1.55E-04	1.55E-04	3.10E-04
2473	497138.92, 3858620.93	0.00387	0.00388	6.06E-04	6.33E-04	5.71E-04	5.85E-04	5.52E-04	1.61E-04	1.61E-04	3.22E-04	1.57E-04	1.57E-04	3.14E-04	1.55E-04	1.55E-04	3.10E-04
2474	497188.92, 3858620.93	0.00386	0.00386	6.05E-04	6.30E-04	5.70E-04	5.83E-04	5.50E-04	1.60E-04	1.60E-04	3.20E-04	1.56E-04	1.56E-04	3.13E-04	1.54E-04	1.54E-04	3.08E-04
2475	497238.92, 3858620.93	0.00385	0.00385	6.03E-04	6.28E-04	5.68E-04	5.82E-04	5.49E-04	1.60E-04	1.60E-04	3.19E-04	1.56E-04	1.56E-04	3.12E-04	1.54E-04	1.54E-04	3.08E-04
2476	497088.92, 3858670.93	0.00392	0.00392	6.14E-04	6.40E-04	5.79E-04	5.93E-04	5.59E-04	1.63E-04	1.63E-04	3.25E-04	1.59E-04	1.59E-04	3.17E-04	1.57E-04	1.57E-04	3.13E-04
2477	497138.92, 3858670.93	0.00392	0.00392	6.14E-04	6.40E-04	5.79E-04	5.93E-04	5.59E-04	1.63E-04	1.63E-04	3.25E-04	1.59E-04	1.59E-04	3.17E-04	1.57E-04	1.57E-04	3.13E-04
2478	497188.92, 3858670.93	0.0039	0.00391	6.11E-04	6.38E-04	5.76E-04	5.90E-04	5.56E-04	1.62E-04	1.62E-04	3.24E-04	1.58E-04	1.58E-04	3.16E-04	1.56E-04	1.56E-04	3.12E-04
2479	497238.92, 3858670.93	0.0039	0.0039	6.11E-04	6.37E-04	5.76E-04	5.90E-04	5.56E-04	1.62E-04	1.62E-04	3.24E-04	1.58E-04	1.58E-04	3.16E-04	1.56E-04	1.56E-04	3.12E-04
2480	497088.92, 3858720.93	0.00399	0.00399	6.25E-04	6.51E-04	5.89E-04	6.03E-04	5.69E-04	1.66E-04	1.66E-04	3.31E-04	1.62E-04	1.62E-04	3.23E-04	1.59E-04	1.59E-04	3.19E-04
2481	497138.92, 3858720.93	0.00394	0.00394	6.17E-04	6.43E-04	5.81E-04	5.96E-04	5.62E-04	1.63E-04	1.63E-04	3.27E-04	1.60E-04	1.60E-04	3.19E-04	1.57E-04	1.57E-04	3.15E-04
2482	497188.92, 3858720.93	0.00393	0.00393	6.16E-04	6.41E-04	5.80E-04	5.94E-04	5.60E-04	1.63E-04	1.63E-04	3.26E-04	1.59E-04	1.59E-04	3.18E-04	1.57E-04	1.57E-04	3.14E-04
2483	497238.92, 3858720.93	0.00395	0.00395	6.19E-04	6.45E-04	5.83E-04	5.97E-04	5.63E-04	1.64E-04	1.64E-04	3.28E-04	1.60E-04	1.60E-04	3.20E-04	1.58E-04	1.58E-04	3.16E-04
2484	497088.92, 3858770.93	0.00403	0.00404	6.31E-04	6.59E-04	5.95E-04	6.09E-04	5.75E-04	1.67E-04	1.68E-04	3.35E-04	1.63E-04	1.64E-04	3.27E-04	1.61E-04	1.61E-04	3.22E-04
2485	497138.92, 3858770.93	0.00401	0.00401	6.28E-04	6.55E-04	5.92E-04	6.06E-04	5.72E-04	1.66E-04	1.66E-04	3.33E-04	1.62E-04	1.62E-04	3.25E-04	1.60E-04	1.60E-04	3.20E-04
2486	497188.92, 3858770.93	0.00399	0.00399	6.25E-04	6.51E-04	5.89E-04	6.03E-04	5.69E-04	1.66E-04	1.66E-04	3.31E-04	1.62E-04	1.62E-04	3.23E-04	1.59E-04	1.59E-04	3.19E-04
2487	497238.92, 3858770.93	0.004	0.00401	6.27E-04	6.55E-04	5.90E-04	6.05E-04	5.70E-04	1.66E-04	1.66E-04	3.32E-04	1.62E-04	1.62E-04	3.24E-04	1.60E-04	1.60E-04	3.20E-04
2488	497396.65, 3858622.63	0.00391	0.00392	6.13E-04	6.40E-04	5.77E-04	5.91E-04	5.58E-04	1.62E-04	1.63E-04	3.25E-04	1.58E-04	1.59E-04	3.17E-04	1.56E-04	1.57E-04	3.13E-04
2489	497496.65, 3858622.63	0.00394	0.00396	6.17E-04	6.46E-04	5.81E-04	5.96E-04	5.62E-04	1.63E-04	1.64E-04	3.28E-04	1.60E-04	1.60E-04	3.20E-04	1.57E-04	1.58E-04	3.16E-04
2490	497596.65, 3858622.63	0.00402	0.00404	6.30E-04	6.59E-04	5.93E-04	6.08E-04	5.73E-04	1.67E-04	1.68E-04	3.34E-04	1.63E-04	1.64E-04	3.26E-04	1.61E-04	1.61E-04	3.22E-04
2491	497696.65, 3858622.63	0.00404	0.00406	6.33E-04	6.63E-04	5.96E-04	6.11E-04	5.76E-04	1.68E-04	1.68E-04	3.36E-04	1.64E-04	1.64E-04	3.28E-04	1.61E-04	1.62E-04	3.24E-04
2492	497796.65, 3858622.63	0.00408	0.00411	6.39E-04	6.71E-04	6.02E-04	6.17E-04	5.82E-04	1.69E-04	1.71E-04	3.40E-04	1.65E-04	1.66E-04	3.32E-04	1.63E-04	1.64E-04	3.27E-04
2493	497896.65, 3858622.63	0.00413	0.00416	6.47E-04	6.79E-04	6.10E-04	6.24E-04	5.89E-04	1.71E-04	1.73E-04	3.44E-04	1.67E-04	1.68E-04	3.36E-04	1.65E-04	1.66E-04	3.31E-04
2494	497396.65, 3858722.63	0.00403	0.00404	6.31E-04	6.59E-04	5.95E-04	6.09E-04	5.75E-04	1.67E-04	1.68E-04	3.35E-04	1.63E-04	1.64E-04	3.27E-04	1.61E-04	1.61E-04	3.22E-04
2495	497496.65, 3858722.63	0.00406	0.00408	6.36E-04	6.66E-04	5.99E-04	6.14E-04	5.79E-04	1.68E-04	1.69E-04	3.38E-04	1.64E-04	1.65E-04	3.30E-04	1.62E-04	1.63E-04	3.25E-04
2496	497596.65, 3858722.63	0.00413	0.00414	6.47E-04	6.76E-04	6.10E-04	6.24E-04	5.89E-04	1.71E-04	1.72E-04	3.43E-04	1.67E-04	1.68E-04	3.35E-04	1.65E-04	1.65E-04	3.30E-04
2497	497696.65, 3858722.63	0.00416	0.00418	6.52E-04	6.82E-04	6.14E-04	6.29E-04	5.93E-04	1.73E-04	1.73E-04	3.46E-04	1.68E-04	1.69E-04	3.38E-04	1.66E-04	1.67E-04	3.33E-04
2498	497796.65, 3858722.63	0.00418	0.0042	6.55E-04	6.86E-04	6.17E-04	6.32E-04	5.96E-04	1.73E-04	1.74E-04	3.48E-04	1.69E-04	1.70E-04	3.39E-04	1.67E-04	1.68E-04	3.35E-04
2499	497896.65, 3858722.63	0.00422	0.00424	6.61E-04	6.92E-04	6.23E-04	6.38E-04	6.02E-04	1.75E-04	1.76E-04	3.51E-04	1.71E-04	1.72E-04	3.42E-04	1.69E-04	1.69E-04	3.38E-04
2500	497396.65, 3858822.63	0.00413	0.00413	6.47E-04	6.74E-04	6.10E-04	6.24E-04	5.89E-04	1.71E-04	1.71E-04	3.43E-04	1.67E-04	1.67E-04	3.34E-04	1.65E-04	1.65E-04	3.30E-04
2501	497496.65, 3858822.63	0.00415	0.00416	6.50E-04	6.79E-04	6.12E-04	6.27E-04	5.92E-04	1.72E-04	1.73E-04	3.45E-04	1.68E-04	1.68E-04	3.36E-04	1.66E-04	1.66E-04	3.32E-04
2502	497596.65, 3858822.63	0.00422	0.00424	6.61E-04	6.92E-04	6.23E-04	6.38E-04	6.02E-04	1.75E-04	1.76E-04	3.51E-04	1.71E-04	1.72E-04	3.42E-04	1.69E-04	1.69E-04	3.38E-04
2503	497696.65, 3858822.63	0.00426	0.00427	6.67E-04	6.97E-04	6.29E-04	6.44E-04	6.07E-04	1.77E-04	1.77E-04	3.54E-04	1.72E-04	1.73E-04	3.45E-04	1.70E-04	1.71E-04	3.41E-04
2504	497796.65, 3858822.63	0.00427	0.00429	6.69E-04	7.00E-04	6.30E-04	6.45E-04	6.09E-04	1.77E-04	1.78E-04	3.55E-04	1.73E-04	1.74E-04	3.47E-04	1.71E-04	1.71E-04	3.42E-04
2505	497896.65, 3858822.63	0.00434	0.00435	6.80E-04	7.10E-04	6.41E-04	6.56E-04	6.19E-04	1.80E-04	1.80E-04	3.61E-04	1.76E-04	1.76E-04	3.52E-04	1.73E-04	1.74E-04	3.47E-04
2506	497396.65, 3858922.63	0.00423	0.00424	6.63E-04	6.92E-04	6.24E-04	6.39E-04	6.03E-04	1.75E-04	1.76E-04	3.51E-04	1.71E-04	1.72E-04	3.43E-04	1.69E-04	1.69E-04	3.38E-04
2507	497496.65, 3858922.63	0.0043	0.0043	6.74E-04	7.02E-04	6.35E-04	6.50E-04	6.13E-04	1.78E-04	1.78E-04	3.57E-04	1.74E-04	1.74E-04	3.48E-04	1.72E-04	1.72E-04	3.44E-04
2508	497596.65, 3858922.63	0.00429	0.0043	6.72E-04	7.02E-04	6.33E-04	6.48E-04	6.12E-04	1.78E-04	1.78E-04	3.56E-04	1.74E-04	1.74E-04	3.48E-04	1.71E-04	1.72E-04	3.43E-04
2509	497696.65, 3858922.63	0.00436	0.00437	6.83E-04	7.13E-04	6.43E-04	6.59E-04	6.22E-04	1.81E-04	1.81E-04	3.62E-04	1.77E-04	1.77E-04	3.53E-04	1.74E-04	1.75E-04	3.49E-04
2510	497796.65, 3858922.63	0.00442	0.00442	6.92E-04	7.21E-04	6.52E-04	6.68E-04	6.30E-04	1.83E-04	1.83E-04	3.67E-04	1.79E-04	1.79E-04	3.58E-04	1.77E-04	1.77E-04	3.53E-04
2511	497896.65, 3858922.63	0.00449	0.00449	7.03E-04	7.33E-04	6.63E-04	6.79E-04	6.40E-04	1.86E-04	1.86E-04	3.73E-04	1.82E-04	1.82E-04	3.64E-04	1.79E-04	1.79E-04	3.59E-04
2512	497364.44, 3858201.52	0.00361	0.00361	5.66E-04	5.89E-04	5.33E-04	5.46E-04	5.15E-04	1.50E-04	1.50E-04	3.00E-04	1.46E-04	1.46E-04	2.92E-04	1.44E-04	1.44E-04	2.88E-04
2513	497414.44, 3858201.52	0.00362	0.00362	5.67E-04	5.91E-04	5.34E-04	5.47E-04	5.16E-04	1.50E-04	1.50E-04	3.00E-04	1.47E-04	1.47E-04	2.93E-04	1.45E-04	1.45E-04	2.89E-04
2514	497464.44, 3858201.52	0.00364	0.00364	5.70E-04	5.94E-04	5.37E-04	5.50E-04	5.19E-04	1.51E-04	1.51E-04	3.02E-04	1.47E-04	1.47E-04	2.95E-04	1.45E-04	1.45E-04	2.91E-04
2515	497514.44, 3858201.52	0.00365	0.00365	5.72E-04	5.96E-04	5.39E-04	5.52E-04	5.20E-04	1.51E-04	1.51E-04	3.03E-04	1.48E-04	1.48E-04	2.96E-04	1.46E-04	1.46E-04	2.92E-04
2516	497564.44, 3858201.52	0.00364	0.00364	5.70E-04	5.94E-04	5.37E-04	5.50E-04	5.19E-04	1.51E-04	1.51E-04	3.02E-04	1.47E-04	1.47E-04	2.95E-04	1.45E-04	1.45E-04	2.91E-04
2517	497614.44, 3858201.52	0.00364	0.00365	5.70E-04	5.96E-04	5.37E-04	5.50E-04	5.19E-04	1.51E-04	1.51E-04	3.02E-04	1.47E-04	1.48E-04	2.95E-04	1.45E-04	1.46E-04	2.91E-04
2518	497364.44, 3858251.52	0.00366	0.00366	5.73E-04	5.97E-04	5.40E-04	5.53E-04	5.22E-04	1.52E-04	1.52E-04	3.04E-04	1.48E-04	1.48E-04	2.96E-04	1.46E-04	1.46E-04	2.92E-04
2519	497414.44, 3858251.52	0.00368	0.00368	5.76E-04	6.01E-04	5.43E-04	5.56E-04	5.25E-04	1.53E-04	1.53E-04	3.05E-04	1.49E-04	1.49E-04	2.98E-04	1.47E-04	1.47E-04	2.94E-04
2520	497464.44, 3858251.52	0.00367	0.00367	5.75E-04	5.99E-04	5.42E-04	5.55E-04	5.23E-04	1.52E-04	1.52E-04	3.05E-04	1.49E-04	1.49E-04	2.97E-04	1.47E-04	1.47E-04	2.93E-04
2521	497514.44, 3858251.52	0.00365	0.00366	5.72E-04	5.97E-04	5.39E-04	5.52E-04	5.20E-04	1.51E-04	1.52E-04	3.03E-04	1.48E-04	1.48E-04	2.96E-04	1.46E-04	1.46E-04	2.92E-04
2522	497564.44, 3858251.52	0.00365	0.00365	5.72E-04	5.96E-04	5.39E-04	5.52E-04	5.20E-04	1.51E-04	1.51E-04	3.03E-04	1.48E-04	1.48E-04	2.96E-04	1.46E-04	1.46E-04	2.92E-04
2523	497614.44, 3858251.52	0.00364	0.00365	5.70E-04	5.96E-04	5.37E-04	5.50E-04	5.19E-04	1.51E-04	1.51E-04	3.02E-04	1.47E-04	1.48E-04	2.95E-04	1.45E-04	1.46E-04	2.91E-04
2524	497364.44, 3858301.52	0.00369	0.00369	5.78E-04	6.02E-04	5.45E-04	5.58E-04	5.26E-04	1.53E-04	1.53E-04	3.06E-04	1.49E-04	1.49E-04	2.99E-04	1.47E-04	1.47E-04	2.95E-04
2525	497414.44, 3858301.52	0.0037	0.00371	5.80E-04	6.06E-04	5.46E-04	5.59E-04	5.28E-04	1.54E-04	1.54E-04	3.07E-04	1.50E-04	1.50E-04	3.00E-04	1.48E-04	1.48E-04	2.96E-04
2526	497464.44, 3858301.52	0.00368	0.00369	5.76E-04	6.02E-04	5.43E-04	5.56E-04	5.25E-04	1.53E-04	1.53E-04	3.06E-04	1.49E-04	1.49E-04	2.98E-04	1.47E-04	1.47E-04	2.94E-04
2527	497514.44, 3858301.52	0.00367	0.00368	5.75E-04	6.01E-04	5.42E-04	5.55E-04	5.23E-04	1.52E-04	1.53E-04	3.05E-04	1.49E-04	1.49E-04	2.98E-04	1.47E-04	1.47E-04	2.94E-04
2528	497564.44, 3858301.52	0.00366	0.00366	5.73E-04	5.97E-04	5.40E-04	5.53E-04	5.22E-04	1.52E-04	1.52E-04	3.04E-04	1.48E-04	1.48E-04	2.96E-04	1.46E-04	1.46E-04	2.92E-04
2529	497614.44, 3858301.52	0.00365	0.00365	5.72E-04	5.96E-04	5.39E-04	5.52E-04	5.20E-04	1.51E-04	1.51E-04	3.03E-04	1.48E-04	1.48E-04	2.96E-04	1.46E-04	1.46E-04	2.92E-04
2530	497364.44, 3858351.52	0.00372	0.00373	5.83E-04	6.09E-04	5.49E-04	5.62E-04	5.30E-04	1.54E-04	1.55E-04	3.09E-04	1.51E-04	1.51E-04	3.02E-04	1.49E-04	1.49E-04	2.98E-04
2531	497414.44, 3858351.52	0.00371	0.00372	5.81E-04	6.07E-04	5.48E-04	5.61E-04	5.29E-04	1.54E-04	1.54E-04	3.08E-04	1.50E-04	1.51E-04	3.01E-04	1.48E-04	1.49E-04	2.97E-04
2532	497464.44, 3858351.52	0.00371	0.00371	5.81E-04	6.06E-04	5.48E-04	5.61E-04	5.29E-04	1.54E-04	1.54E-04	3.08E-04	1.50E-04	1.50E-04	3.00E-04	1.48E-04	1.48E-04	2.96E-04
2533	497514.44, 3858351.52	0.0037	0.0037	5.80E-04	6.04E-04	5.46E-04	5.59E-04	5.28E-04	1.54E-04	1.54E-04	3.07E-04	1.50E-04	1.50E-04	3.00E-04	1.48E-04	1.48E-04	2.96E-04
2534	497564.44, 3858351.52	0.00368	0.00368	5.76E-04	6.01E-04	5.43E-04	5.56E-04	5.25E-04	1.53E-04	1.53E-04	3.05E-04	1.49E-04	1.49E-04	2.98E-04	1.47E-04	1.47E-04	2.94E-04
2535	497614.44, 3858351.52	0.00367	0.00367	5.75E-04	5.99E-04	5.42E-04	5.55E-04	5.23E-04	1.52E-04	1.52E-04	3.05E-04	1.49E-04	1.49E-04	2.97E-04	1.47E-04	1.47E-04	2.93E-04
2536	497364.44, 3858401.52	0.00373	0.00373	5.84E-04	6.09E-04	5.51E-04	5.64E-04	5.32E-04	1.55E-04	1.55E-04	3.09E-04	1.51E-04	1.51E-04	3.02E-04	1.49E-04	1.49E-04	2.98E-04
2537	497414.44, 3858401.52	0.00373	0.00373	5.84E-04	6.09E-04	5.51E-04	5.64E-04	5.32E-04	1.55E-04	1.55E-04	3.09E-04	1.51E-04	1.51E-04	3.02E-04	1.49E-04	1.49E-04	2.98E-04
2538	497464.44, 3858401.52	0.00372	0.00372	5.83E-04	6.07E-04	5.49E-04	5.62E-04	5.30E-04	1.54E-04	1.54E-04	3.09E-04	1.51E-04	1.51E-04	3.01E-04	1.49E-04	1.49E-04	2.97E-04
2539	497514.44, 3858401.52	0.00371	0.00371	5.81E-04	6.06E-04	5.48E-04	5.61E-04	5.29E-04	1.54E-04	1.54E-04	3.08E-04	1.50E-04	1.50E-04	3.00E-04	1.48E-04	1.48E-04	2.96E-04
2540	497564.44, 3858401.52	0.00373	0.00373	5.84E-04	6.09E-04	5.51E-04	5.64E-04	5.32E-04	1.55E-04	1.55E-04	3.09E-04	1.51E-04	1.51E-04	3.02E-04	1.49E-04	1.49E-04	2.98E-04
2541	497614.44, 3858401.52	0.00373	0.00375	5.84E-04	6.12E-04	5.51E-04	5.64E-04	5.32E-04	1.55E-04	1.56E-04	3.10E-04	1.51E-04	1.52E-04	3.03E-04	1.49E-04	1.50E-04	2.99E-04
2542	493478.11, 3860497.94	0.01822	0.01816	2.85E-03	2.96E-03	2.69E-03	2.75E-03	2.60E-03	7.56E-04	7.53E-04	1.51E-03	7.38E-04	7.35E-04	1.47E-03	7.28E-04	7.25E-04	1.45E-03
2543	493528.11, 3860497.94	0.01788	0.01782	2.80E-03	2.91E-03	2.64E-03	2.70E-03	2.55E-03	7.42E-04	7.39E-04	1.48E-03	7.24E-04	7.21E-04	1.45E-03	7.14E-04	7.12E-04	1.43E-03
2544	493478.11, 3860547.94	0.01897	0.01892	2.97E-03	3.09E-03	2.80E-03	2.87E-03	2.70E-03	7.87E-04	7.85E-04	1.57E-03	7.68E-04	7.66E-04	1.53E-03	7.58E-04	7.56E-04	1.51E-03
2545	493528.11, 3860547.94	0.01864	0.01858	2.92E-03	3.03E-03	2.75E-03	2.82E-03	2.66E-03	7.73E-04	7.71E-04	1.54E-03	7.55E-04	7.52E-04	1.51E-03	7.45E-04	7.42E-04	1.49E-03
2546	493478.11, 3860597.94	0.01977	0.01973	3.10E-03	3.22E-03	2.92E-03	2.99E-03	2.82E-03	8.20E-04	8.19E-04	1.64E-03	8.00E-04	7.99E-04	1.60E-03	7.90E-04	7.88E-04	1.58E-03
2547	493528.11, 3860597.94	0.0194	0.01935	3.04E-03	3.16E-03	2.86E-03	2.93E-03	2.77E-03	8.05E-04	8.03E-04	1.61E-03	7.85E-04	7.83E-04	1.57E-03	7.75E-04	7.73E-04	1.55E-03
2548	493561.88, 3860524.64	0.01803	0.01797	2.82E-03	2.93E-03	2.66E-03	2.73E-03	2.57E-03	7.48E-04	7.46E-04	1.49E-03	7.30E-04	7.28E-04	1.46E-03	7.20E-04	7.18E-04	1.44E-03

2549	493591.88, 3860524.64	0.01778	0.01771	2.79E-03	2.89E-03	2.62E-03	2.69E-03	2.54E-03	7.38E-04	7.35E-04	1.47E-03	7.20E-04	7.17E-04	1.44E-03	7.10E-04	7.07E-04	1.42E-03
2550	493561.88, 3860554.64	0.01849	0.01843	2.90E-03	3.01E-03	2.73E-03	2.79E-03	2.64E-03	7.67E-04	7.65E-04	1.53E-03	7.49E-04	7.46E-04	1.49E-03	7.39E-04	7.36E-04	1.47E-03
2551	493591.88, 3860554.64	0.01819	0.01813	2.85E-03	2.96E-03	2.68E-03	2.75E-03	2.59E-03	7.55E-04	7.52E-04	1.51E-03	7.36E-04	7.34E-04	1.47E-03	7.27E-04	7.24E-04	1.45E-03
2552	492880.5, 3860293.11	0.02142	0.02143	3.36E-03	3.50E-03	3.16E-03	3.24E-03	3.05E-03	8.89E-04	8.89E-04	1.78E-03	8.67E-04	8.68E-04	1.73E-03	8.56E-04	8.56E-04	1.71E-03
2553	492930.5, 3860293.11	0.02069	0.02068	3.24E-03	3.38E-03	3.05E-03	3.13E-03	2.95E-03	8.58E-04	8.58E-04	1.72E-03	8.38E-04	8.37E-04	1.67E-03	8.27E-04	8.26E-04	1.65E-03
2554	492980.5, 3860293.11	0.01997	0.01994	3.13E-03	3.25E-03	2.95E-03	3.02E-03	2.85E-03	8.29E-04	8.27E-04	1.66E-03	8.08E-04	8.07E-04	1.62E-03	7.98E-04	7.97E-04	1.59E-03
2555	493030.5, 3860293.11	0.01877	0.01874	2.94E-03	3.06E-03	2.77E-03	2.84E-03	2.68E-03	7.79E-04	7.77E-04	1.56E-03	7.60E-04	7.59E-04	1.52E-03	7.50E-04	7.49E-04	1.50E-03
2556	493080.5, 3860293.11	0.01762	0.01758	2.76E-03	2.87E-03	2.60E-03	2.66E-03	2.51E-03	7.31E-04	7.29E-04	1.46E-03	7.13E-04	7.12E-04	1.43E-03	7.04E-04	7.02E-04	1.41E-03
2557	493130.5, 3860293.11	0.01772	0.01767	2.78E-03	2.88E-03	2.62E-03	2.68E-03	2.53E-03	7.35E-04	7.33E-04	1.47E-03	7.17E-04	7.15E-04	1.43E-03	7.08E-04	7.06E-04	1.41E-03
2558	493180.5, 3860293.11	0.01769	0.01763	2.77E-03	2.88E-03	2.61E-03	2.67E-03	2.52E-03	7.34E-04	7.31E-04	1.47E-03	7.16E-04	7.14E-04	1.43E-03	7.07E-04	7.04E-04	1.41E-03
2559	493230.5, 3860293.11	0.01737	0.0173	2.72E-03	2.82E-03	2.56E-03	2.63E-03	2.48E-03	7.21E-04	7.18E-04	1.44E-03	7.03E-04	7.00E-04	1.40E-03	6.94E-04	6.91E-04	1.38E-03
2560	493280.5, 3860293.11	0.01673	0.01665	2.62E-03	2.72E-03	2.47E-03	2.53E-03	2.39E-03	6.94E-04	6.91E-04	1.38E-03	6.77E-04	6.74E-04	1.35E-03	6.68E-04	6.65E-04	1.33E-03
2561	493330.5, 3860293.11	0.01627	0.01619	2.55E-03	2.64E-03	2.40E-03	2.46E-03	2.32E-03	6.75E-04	6.72E-04	1.35E-03	6.59E-04	6.55E-04	1.31E-03	6.50E-04	6.47E-04	1.30E-03
2562	493380.5, 3860293.11	0.0159	0.01581	2.49E-03	2.58E-03	2.35E-03	2.40E-03	2.27E-03	6.60E-04	6.56E-04	1.32E-03	6.44E-04	6.40E-04	1.28E-03	6.35E-04	6.32E-04	1.27E-03
2563	492880.5, 3860343.11	0.02242	0.02244	3.51E-03	3.66E-03	3.31E-03	3.39E-03	3.20E-03	9.30E-04	9.31E-04	1.86E-03	9.08E-04	9.08E-04	1.82E-03	8.96E-04	8.96E-04	1.79E-03
2564	492930.5, 3860343.11	0.02168	0.02169	3.40E-03	3.54E-03	3.20E-03	3.28E-03	3.09E-03	8.99E-04	9.00E-04	1.80E-03	8.78E-04	8.78E-04	1.76E-03	8.66E-04	8.66E-04	1.73E-03
2565	492980.5, 3860343.11	0.02039	0.02038	3.19E-03	3.33E-03	3.01E-03	3.08E-03	2.91E-03	8.46E-04	8.46E-04	1.69E-03	8.25E-04	8.25E-04	1.65E-03	8.15E-04	8.14E-04	1.63E-03
2566	493030.5, 3860343.11	0.01975	0.01973	3.09E-03	3.22E-03	2.91E-03	2.99E-03	2.82E-03	8.19E-04	8.19E-04	1.64E-03	8.00E-04	7.99E-04	1.60E-03	7.89E-04	7.88E-04	1.58E-03
2567	493080.5, 3860343.11	0.01864	0.01861	2.92E-03	3.04E-03	2.75E-03	2.82E-03	2.66E-03	7.73E-04	7.72E-04	1.55E-03	7.55E-04	7.53E-04	1.51E-03	7.45E-04	7.43E-04	1.49E-03
2568	493130.5, 3860343.11	0.01837	0.01833	2.88E-03	2.99E-03	2.71E-03	2.78E-03	2.62E-03	7.62E-04	7.60E-04	1.52E-03	7.44E-04	7.42E-04	1.49E-03	7.34E-04	7.32E-04	1.47E-03
2569	493180.5, 3860343.11	0.01835	0.0183	2.87E-03	2.99E-03	2.71E-03	2.77E-03	2.62E-03	7.61E-04	7.59E-04	1.52E-03	7.43E-04	7.41E-04	1.48E-03	7.33E-04	7.31E-04	1.46E-03
2570	493230.5, 3860343.11	0.01802	0.01796	2.82E-03	2.93E-03	2.66E-03	2.72E-03	2.57E-03	7.48E-04	7.45E-04	1.49E-03	7.30E-04	7.27E-04	1.46E-03	7.20E-04	7.17E-04	1.44E-03
2571	493280.5, 3860343.11	0.01735	0.01729	2.72E-03	2.82E-03	2.56E-03	2.62E-03	2.47E-03	7.20E-04	7.17E-04	1.44E-03	7.02E-04	7.00E-04	1.40E-03	6.93E-04	6.91E-04	1.38E-03
2572	493330.5, 3860343.11	0.01682	0.01675	2.63E-03	2.73E-03	2.48E-03	2.54E-03	2.40E-03	6.98E-04	6.95E-04	1.39E-03	6.81E-04	6.78E-04	1.36E-03	6.72E-04	6.69E-04	1.34E-03
2573	493380.5, 3860343.11	0.01645	0.01637	2.58E-03	2.67E-03	2.43E-03	2.49E-03	2.35E-03	6.82E-04	6.79E-04	1.36E-03	6.66E-04	6.63E-04	1.33E-03	6.57E-04	6.54E-04	1.31E-03
2574	492880.5, 3860393.11	0.0235	0.02354	3.68E-03	3.84E-03	3.47E-03	3.55E-03	3.35E-03	9.75E-04	9.77E-04	1.95E-03	9.51E-04	9.53E-04	1.90E-03	9.39E-04	9.40E-04	1.88E-03
2575	492930.5, 3860393.11	0.02262	0.02264	3.54E-03	3.70E-03	3.34E-03	3.42E-03	3.23E-03	9.38E-04	9.39E-04	1.88E-03	9.16E-04	9.17E-04	1.83E-03	9.04E-04	9.04E-04	1.81E-03
2576	492980.5, 3860393.11	0.02157	0.02158	3.38E-03	3.52E-03	3.18E-03	3.26E-03	3.08E-03	8.95E-04	8.95E-04	1.79E-03	8.73E-04	8.74E-04	1.75E-03	8.62E-04	8.62E-04	1.72E-03
2577	493030.5, 3860393.11	0.02072	0.02072	3.25E-03	3.38E-03	3.06E-03	3.13E-03	2.95E-03	8.60E-04	8.60E-04	1.72E-03	8.39E-04	8.39E-04	1.68E-03	8.28E-04	8.28E-04	1.66E-03
2578	493080.5, 3860393.11	0.01954	0.01953	3.06E-03	3.19E-03	2.88E-03	2.95E-03	2.79E-03	8.11E-04	8.10E-04	1.62E-03	7.91E-04	7.91E-04	1.58E-03	7.81E-04	7.80E-04	1.56E-03
2579	493130.5, 3860393.11	0.01933	0.0193	3.03E-03	3.15E-03	2.85E-03	2.92E-03	2.76E-03	8.02E-04	8.01E-04	1.60E-03	7.83E-04	7.81E-04	1.56E-03	7.72E-04	7.71E-04	1.54E-03
2580	493180.5, 3860393.11	0.01925	0.01922	3.02E-03	3.14E-03	2.84E-03	2.91E-03	2.74E-03	7.99E-04	7.97E-04	1.60E-03	7.79E-04	7.78E-04	1.56E-03	7.69E-04	7.68E-04	1.54E-03
2581	493230.5, 3860393.11	0.01876	0.01871	2.94E-03	3.05E-03	2.77E-03	2.84E-03	2.67E-03	7.78E-04	7.76E-04	1.55E-03	7.59E-04	7.57E-04	1.52E-03	7.49E-04	7.47E-04	1.50E-03
2582	493280.5, 3860393.11	0.01802	0.01797	2.82E-03	2.93E-03	2.66E-03	2.72E-03	2.57E-03	7.48E-04	7.46E-04	1.49E-03	7.30E-04	7.28E-04	1.46E-03	7.20E-04	7.18E-04	1.44E-03
2583	493330.5, 3860393.11	0.01745	0.01739	2.73E-03	2.84E-03	2.58E-03	2.64E-03	2.49E-03	7.24E-04	7.21E-04	1.45E-03	7.06E-04	7.04E-04	1.41E-03	6.97E-04	6.95E-04	1.39E-03
2584	493380.5, 3860393.11	0.01703	0.01696	2.67E-03	2.77E-03	2.51E-03	2.57E-03	2.43E-03	7.07E-04	7.04E-04	1.41E-03	6.89E-04	6.87E-04	1.38E-03	6.80E-04	6.77E-04	1.36E-03
2585	492880.5, 3860443.11	0.02459	0.02464	3.85E-03	4.02E-03	3.63E-03	3.72E-03	3.51E-03	1.02E-03	1.02E-03	2.04E-03	9.96E-04	9.98E-04	1.99E-03	9.82E-04	9.84E-04	1.97E-03
2586	492930.5, 3860443.11	0.0238	0.02383	3.73E-03	3.89E-03	3.51E-03	3.60E-03	3.39E-03	9.87E-04	9.89E-04	1.98E-03	9.64E-04	9.65E-04	1.93E-03	9.51E-04	9.52E-04	1.90E-03
2587	492980.5, 3860443.11	0.02281	0.02284	3.57E-03	3.73E-03	3.37E-03	3.45E-03	3.25E-03	9.46E-04	9.48E-04	1.89E-03	9.23E-04	9.25E-04	1.85E-03	9.11E-04	9.12E-04	1.82E-03
2588	493030.5, 3860443.11	0.02189	0.0219	3.43E-03	3.57E-03	3.23E-03	3.31E-03	3.12E-03	9.08E-04	9.09E-04	1.82E-03	8.86E-04	8.87E-04	1.77E-03	8.74E-04	8.75E-04	1.75E-03
2589	493080.5, 3860443.11	0.02117	0.02117	3.32E-03	3.46E-03	3.12E-03	3.20E-03	3.02E-03	8.78E-04	8.78E-04	1.76E-03	8.57E-04	8.57E-04	1.71E-03	8.46E-04	8.46E-04	1.69E-03
2590	493130.5, 3860443.11	0.02051	0.0205	3.21E-03	3.35E-03	3.03E-03	3.10E-03	2.92E-03	8.51E-04	8.51E-04	1.70E-03	8.30E-04	8.30E-04	1.66E-03	8.19E-04	8.19E-04	1.64E-03
2591	493180.5, 3860443.11	0.0203	0.02028	3.18E-03	3.31E-03	3.00E-03	3.07E-03	2.89E-03	8.42E-04	8.41E-04	1.68E-03	8.22E-04	8.21E-04	1.64E-03	8.11E-04	8.10E-04	1.62E-03
2592	493230.5, 3860443.11	0.01947	0.01944	3.05E-03	3.17E-03	2.87E-03	2.94E-03	2.78E-03	8.08E-04	8.07E-04	1.61E-03	7.88E-04	7.87E-04	1.58E-03	7.78E-04	7.77E-04	1.55E-03
2593	493280.5, 3860443.11	0.01884	0.0188	2.95E-03	3.07E-03	2.78E-03	2.85E-03	2.69E-03	7.82E-04	7.80E-04	1.56E-03	7.63E-04	7.61E-04	1.52E-03	7.53E-04	7.51E-04	1.50E-03
2594	493330.5, 3860443.11	0.01811	0.01806	2.84E-03	2.95E-03	2.67E-03	2.74E-03	2.58E-03	7.51E-04	7.49E-04	1.50E-03	7.33E-04	7.31E-04	1.46E-03	7.23E-04	7.21E-04	1.44E-03
2595	493380.5, 3860443.11	0.01778	0.01772	2.79E-03	2.89E-03	2.62E-03	2.69E-03	2.54E-03	7.38E-04	7.35E-04	1.47E-03	7.20E-04	7.17E-04	1.44E-03	7.10E-04	7.08E-04	1.42E-03
2596	493180.5, 3860493.11	0.0211	0.02109	3.31E-03	3.44E-03	3.11E-03	3.19E-03	3.01E-03	8.75E-04	8.75E-04	1.75E-03	8.54E-04	8.54E-04	1.71E-03	8.43E-04	8.42E-04	1.69E-03
2597	493230.5, 3860493.11	0.02037	0.02035	3.19E-03	3.32E-03	3.01E-03	3.08E-03	2.90E-03	8.45E-04	8.44E-04	1.69E-03	8.25E-04	8.24E-04	1.65E-03	8.14E-04	8.13E-04	1.63E-03
2598	493280.5, 3860493.11	0.01966	0.01963	3.08E-03	3.20E-03	2.90E-03	2.97E-03	2.80E-03	8.16E-04	8.14E-04	1.63E-03	7.96E-04	7.95E-04	1.59E-03	7.85E-04	7.84E-04	1.57E-03
2599	493330.5, 3860493.11	0.01906	0.01903	2.99E-03	3.11E-03	2.81E-03	2.88E-03	2.72E-03	7.91E-04	7.90E-04	1.58E-03	7.72E-04	7.70E-04	1.54E-03	7.61E-04	7.60E-04	1.52E-03
2600	493380.5, 3860493.11	0.0187	0.01865	2.93E-03	3.04E-03	2.76E-03	2.83E-03	2.67E-03	7.76E-04	7.74E-04	1.55E-03	7.57E-04	7.55E-04	1.51E-03	7.47E-04	7.45E-04	1.49E-03
2601	493330.5, 3860543.11	0.01993	0.0199	3.12E-03	3.25E-03	2.94E-03	3.01E-03	2.84E-03	8.27E-04	8.26E-04	1.65E-03	8.07E-04	8.06E-04	1.61E-03	7.96E-04	7.95E-04	1.59E-03
2602	493380.5, 3860543.11	0.01954	0.01951	3.06E-03	3.18E-03	2.88E-03	2.95E-03	2.79E-03	8.11E-04	8.09E-04	1.62E-03	7.91E-04	7.90E-04	1.58E-03	7.81E-04	7.79E-04	1.56E-03
2603	494135.94, 3860876.85	0.02013	0.02008	3.15E-03	3.28E-03	2.97E-03	3.04E-03	2.87E-03	8.35E-04	8.33E-04	1.67E-03	8.15E-04	8.13E-04	1.63E-03	8.04E-04	8.02E-04	1.61E-03
2604	494185.94, 3860876.85	0.01981	0.01975	3.10E-03	3.22E-03	2.92E-03	2.99E-03	2.82E-03	8.22E-04	8.19E-04	1.64E-03	8.02E-04	8.00E-04	1.60E-03	7.91E-04	7.89E-04	1.58E-03
2605	494135.94, 3860926.85	0.02148	0.02143	3.36E-03	3.50E-03	3.17E-03	3.25E-03	3.06E-03	8.91E-04	8.89E-04	1.78E-03	8.70E-04	8.68E-04	1.74E-03	8.58E-04	8.56E-04	1.71E-03
2606	494185.94, 3860926.85	0.0211	0.02105	3.31E-03	3.44E-03	3.11E-03	3.19E-03	3.01E-03	8.75E-04	8.73E-04	1.75E-03	8.54E-04	8.52E-04	1.71E-03	8.43E-04	8.41E-04	1.68E-03
2607	494135.94, 3860976.85	0.02304	0.02299	3.61E-03	3.75E-03	3.40E-03	3.48E-03	3.29E-03	9.56E-04	9.54E-04	1.91E-03	9.33E-04	9.31E-04	1.86E-03	9.20E-04	9.18E-04	1.84E-03
2608	494185.94, 3860976.85	0.0226	0.02255	3.54E-03	3.68E-03	3.34E-03	3.42E-03	3.22E-03	9.38E-04	9.36E-04	1.87E-03	9.15E-04	9.13E-04	1.83E-03	9.03E-04	9.01E-04	1.80E-03
2609	494135.94, 3861026.85	0.02492	0.02488	3.90E-03	4.06E-03	3.68E-03	3.77E-03	3.55E-03	1.03E-03	1.03E-03	2.07E-03	1.01E-03	1.01E-03	2.02E-03	9.95E-04	9.94E-04	1.99E-03
2610	494185.94, 3861026.85	0.02441	0.02436	3.82E-03	3.98E-03	3.60E-03	3.69E-03	3.48E-03	1.01E-03	1.01E-03	2.02E-03	9.88E-04	9.86E-04	1.97E-03	9.75E-04	9.73E-04	1.95E-03
2611	494135.94, 3861076.85	0.02721	0.02715	4.26E-03	4.43E-03	4.02E-03	4.11E-03	3.88E-03	1.13E-03	1.13E-03	2.26E-03	1.10E-03	1.10E-03	2.20E-03	1.09E-03	1.08E-03	2.17E-03
2612	494185.94, 3861076.85	0.02661	0.02655	4.17E-03	4.33E-03	3.93E-03	4.02E-03	3.79E-03	1.10E-03	1.10E-03	2.21E-03	1.08E-03	1.07E-03	2.15E-03	1.06E-03	1.06E-03	2.12E-03
2613	490360.04, 3858710.04	0.01919	0.01814	3.01E-03	2.96E-03	2.83E-03	2.90E-03	2.74E-03	7.96E-04	7.53E-04	1.55E-03	7.77E-04	7.34E-04	1.51E-03	7.67E-04	7.25E-04	1.49E-03
2614	490410.04, 3858710.04	0.01865	0.01763	2.92E-03	2.88E-03	2.75E-03	2.82E-03	2.66E-03	7.74E-04	7.31E-04	1.51E-03	7.55E-04	7.14E-04	1.47E-03	7.45E-04	7.04E-04	1.45E-03
2615	490460.04, 3858710.04	0.01803	0.01705	2.82E-03	2.78E-03	2.66E-03	2.73E-03	2.57E-03	7.48E-04	7.07E-04	1.46E-03	7.30E-04	6.90E-04	1.42E-03	7.20E-04	6.81E-04	1.40E-03
2616	490510.04, 3858710.04	0.01754	0.01659	2.75E-03	2.71E-03	2.59E-03	2.65E-03	2.50E-03	7.28E-04	6.88E-04	1.42E-03	7.10E-04	6.72E-04	1.38E-03	7.01E-04	6.63E-04	1.36E-03
2617	490560.04, 3858710.04	0.01711	0.01618	2.68E-03	2.64E-03	2.53E-03	2.59E-03	2.44E-03	7.10E-04	6.71E-04	1.38E-03	6.93E-04	6.55E-04	1.35E-03	6.83E-04	6.46E-04	1.33E-03
2618	490610.04, 3858710.04	0.01668	0.01577	2.61E-03	2.57E-03	2.46E-03	2.52E-03	2.38E-03	6.92E-04	6.54E-04	1.35E-03	6.75E-04	6.38E-04	1.31E-03	6.66E-04	6.30E-04	1.30E-03
2619	490660.04, 3858710.04	0.01636	0.01547	2.56E-03	2.53E-03	2.41E-03	2.47E-03	2.33E-03	6.79E-04	6.42E-04	1.32E-03	6.62E-04	6.26E-04	1.29E-03	6.54E-04	6.18E-04	1.27E-03
2620	490710.04, 3858710.04	0.0159	0.01505	2.49E-03	2.46E-03	2.35E-03	2.40E-03	2.27E-03	6.60E-04	6.24E-04	1.28E-03	6.44E-04	6.09E-04	1.25E-03	6.35E-04	6.01E-04	1.24E-03
2621	490760.04, 3858710.04	0.0155	0.01467	2.43E-03	2.39E-03	2.29E-03	2.34E-03	2.21E-03	6.43E-04	6.09E-04	1.25E-03	6.28E-04	5.94E-04	1.22E-03	6.19E-04	5.86E-04	1.21E-03
2622	490810.04, 3858710.04	0.01512	0.01432	2.37E-03	2.34E-03	2.23E-03	2.29E-03	2.16E-03	6.27E-04	5.94E-04	1.22E-03	6.12E-04	5.80E-04	1.19E-03	6.04E-04	5.72E-04	1.18E-03
2623	490860.04, 3858710.04	0.01469	0.01392	2.30E-03	2.27E-03	2.17E-03	2.22E-03	2.09E-03	6.09E-04	5.78E-04	1.19E-03	5.95E-04	5.64E-04	1.16E-03	5.87E-04	5.56E-04	1.14E-03
2624	490360.04, 3858760.04	0.01999	0.01889	3.13E-03	3.08E-03	2.95E-03	3.02E-03	2.85E-03	8.29E-04	7.84E-04	1.61E-03	8.09E-04	7.65E-04	1.57E-03	7.99E-04	7.55E-04	1.55E-03
2625	490410.04, 3858760.04	0.01938	0.01832	3.04E-03	2.99E-03	2.86E-03	2.93E-03	2.76E-03	8.04E-04	7.60E-04	1.56E-03	7.85E-04	7.42E-04	1.53E-03	7.74E-04	7.32E-04	1.51E-03
2626	490460.04, 3858760.04	0.01876	0.01774	2.94E-03	2.90E-03	2.77E-03	2.84E-03	2.67E-03	7.78E-04	7.36E-04	1.51E-03	7.59E-04	7.18E-04	1.48E-03	7.49E-04	7.09E-04	1.46E-03
2627	490510.04, 3858760.04	0.01815	0.01716	2.84E-03	2.80E-03	2.68E-03	2.74E-03	2.59E-03	7.53E-04	7.12E-04	1.46E-03	7.35E-04	6.95E-04	1.43E-03	7.25E-04	6.85E-04	1.41E-03
2628	490560.04, 3858760.04	0.01764	0.01669	2.76E-03	2.72E-03	2.60E-03	2.67E-03	2.52E-03	7.32E-04	6.92E-04	1.42E-03	7.14E-04	6.76E-04	1.39E-03	7.05E-04	6.67E-04	1.37E-03
2629	490610.04, 3858760.04	0.01713	0.01621	2.68E-03	2.65E-03	2.53E-03	2.59E-03	2.44E-03	7.11E-04	6.73E-04	1.38E-03	6.93E-04	6.56E-04	1.35E-03	6.84E-04	6.48E-04	1.33E-03
2630	490660.04, 3858760.04	0.01667	0.01578	2.61E-03	2.58E-03	2.46E-03	2.52E-03	2.38E-03	6.92E-04	6.55E-04	1.35E-03	6.75E-04	6.39E-04	1.31E-03	6.66E-04	6.30E-04	1.30E-03
2631	490710.04, 3858760.04	0.01623	0.01537	2.54E-03	2.51E-03	2.40E-03	2.45E-03	2.31E-03	6.73E-04	6.38E-04	1.31E-03	6.57E-04	6.22E-04	1.28E-03	6.48E-04	6.14E-04	1.26E-03
2632	490760.04, 3858760.04	0.01576	0.01493	2.47E-03	2.44E-03	2.33E-03	2.38E-03	2.25E-03	6.54E-04	6.19E-04	1.27E-03	6.38E-04	6.04E-04	1.24E-03	6.30E-04	5.96E-04	1.23E-03
2633	490810.04, 3858760.04	0.01533	0.01453	2.40E-03	2.37E-03	2.26E-03	2.32E-03	2.19E-03	6.36E-04	6.03E-04	1.24E-03	6.21E-04	5.88E-04	1.21E-03	6.12E-04	5.80E-04	1.19E-03
2634	490860.04, 3858760.04	0.01496	0.01418	2.34E-03	2.31E-03	2.21E-03	2.26E-03	2.13E-03	6.21E-04	5.88E-04	1.21E-03	6.06E-04	5.74E-04	1.18E-03	5.98E-04	5.66E-04	1.16E-03
2635	490360.04, 3858810.04	0.02079	0.01966	3.26E-03	3.21E-03	3.07E-03	3.14E-03	2.96E-03	8.63E-04	8.16E-04	1.68E-03	8.42E-04	7.96E-04	1.64E-03	8.30E-04	7.85E-04	1.62E-03
2636	490410.04, 3858810.04	0.0201	0.01901	3.15E-03	3.10E-03	2.97E-03	3.04E-03	2.87E-03	8.34E-04	7.89E-04	1.62E-03	8.14E-04	7.70E-04	1.58E-03	8.03E-04	7.59E-04	1.56E-03
2637	490460.04, 3858810.04	0.01943	0.01838	3.04E-03	3.00E-03	2.87E-03	2.94E-03	2.77E-03	8.06E-04	7.63E-04	1.57E-03	7.87E-04	7.44E-04	1.53E-03	7.76E-04	7.34E-04	1.51E-03
2638	490510.04, 3858810.04	0.01887	0.01785	2.96E-03	2.91E-03	2.78E-03	2.85E-03	2.69E-03	7.83E-04	7.41E-04	1.52E-03	7.64E-04	7.23E-04	1.49E-03	7.54E-04	7.13E-04	1.47E-03
2639	490560.04, 3858810.04	0.01831	0.01733	2.87E-03	2.83E-03	2.70E-03	2.77E-03	2.61E-03	7.60E-04	7.19E-04	1.48E-03	7.41E-04	7.02E-04	1.44E-03	7.31E-04	6.92E-04	1.42E-03
2640	490610.04, 3858810.04	0.01769	0.01674	2.77E-03	2.73E-03	2.61E-03	2.67E-03	2.52E-03	7.34E-04	6.95E-04	1.43E-03	7.16E-04	6.78E-04	1.39E-03	7.07E-04	6.69E-04	1.38E-03
2641	490660.04, 3858810.04	0.01716	0.01625	2.69E-03	2.65E-03	2.53E-03	2.59E-03	2.45E-03	7.12E-04	6.74E-04	1.39E-03	6.95E-04	6.58E-04	1.35E-03	6.85E-04	6.49E-04	1.33E-03
2642	490710.04, 3858810.04	0.01663	0.01576	2.61E-03	2.57E-03	2.45E-03	2.51E-03	2.37E-03	6.90E-04	6.54E-04	1.34E-03	6.73E-04	6.38E-04	1.31E-03	6.64E-04	6.30E-04	1.29E-03
2643	490760.04, 3858810.04	0.01604	0.01521	2.51E-03	2.48E-03	2.37E-03	2.42E-03	2.29E-03	6.65E-04	6.31E-04	1.30E-03	6.49E-04	6.16E-04	1.27E-03	6.41E-04	6.08E-04	1.25E-03
2644	490810.04, 3858810.04	0.0157	0.01489	2.46E-03	2.43E-03	2.32E-03	2.37E-03	2.24E-03	6.51E-04	6.18E-04	1.27E-03	6.36E-04	6.03E-04	1.24E-03	6.27E-04	5.95E-04	1.22E-03
2645	490860.04, 3858810.04	0.01523	0.01446	2.39E-03	2.36E-03	2.25E-03	2.30E-03	2.17E-03	6.32E-04	6.00E-04	1.23E-03	6.17E-04	5.85E-04	1.20E-03	6.08E-04	5.78E-04	1.19E-03
2646	490360.04, 3858860.04	0.02156	0.02042	3.38E-03	3.33E-03	3.18E-03	3.26E-03	3.07E-03	8.94E-04	8.47E-04	1.74E-03	8.73E-04	8.27E-04	1.70E-03	8.61E-04	8.16E-04	1.68E-03
2647	490410.04, 3858860.04	0.02096	0.01985	3.28E-03	3.24E-03	3.09E-03	3.17E-03	2.99E-03	8.70E-04	8.24E-04	1.69E-03	8.49E-04	8.04E-04	1.65E-03	8.37E-04	7.93E-04	1.63E-03
2648	490460.04, 3858860.04	0.02018	0.01912	3.16E-03	3.12E-03	2.98E-03	3.05E-03	2.88E-03	8.37E-04	7.93E-04	1.63E-03	8.17E-04	7.74E-04	1.59E-03	8.06E-04	7.64E-04	1.57E-03
2649	490510.04, 3858860.04	0.01966	0.01862	3.08E-03	3.04E-03	2.90E-03	2.97E-03	2.80E-03	8.16E-04	7.73E-04	1.59E-03	7.96E-04	7.54E-04	1.55E-03	7.85E-04	7.44E-04	1.53E-03
2650	490560.04, 3858860.04	0.01899	0.01799	2.97E-03	2.94E-03	2.80E-03	2.87E-03	2.71E-03	7.88E-04	7.46E-04	1.53E-03	7.69E-04	7.28E-04	1.50E-03	7.59E-04	7.19E-04	1.48E-03
2651	490610.04, 3858860.04	0.01822	0.01727	2.85E-03	2.82E-03	2.69E-03	2.75E-03	2.60E-03	7.56E-04	7.16E-04	1.47E-03	7.38E-04	6.99E-04	1.44E-03	7.28E-04	6.90E-04	1.42E-03
2652	490660.04, 3858860.04	0.01766	0.01675	2.77E-03	2.73E-03	2.61E-03	2.67E-03	2.52E-03	7.33E-04	6.95E-04	1.43E-03	7.15E-04	6.78E-04	1.39E-03	7.05E-04	6.69E-04	1.37E-03
2653	490710.04, 3858860.04	0.01719	0.01632	2.69E-03	2.66E-03	2.54E-03	2.60E-03	2.45E-03	7.13E-04	6.77E-04	1.39E-03	6.96E-04	6.61E-04	1.36E-03	6.87E-04	6.52E-04	1.34E-03
2654	490760.04, 3858860.04	0.01657	0.01574	2.60E-03	2.57E-03	2.45E-03	2.50E-03	2.36E-03	6.87E-04	6.53E-04	1.34E-03	6.71E-04	6.37E-04	1.31E-03	6.62E-04	6.29E-04	1.29E-03
2655	490810.04, 3858860.04	0.01601	0.01522	2.51E-03	2.48E-03	2.36E-03	2.42E-03	2.28E-03	6.64E-04	6.31E-04	1.30E-03	6.48E-04	6.16E-04	1.26E-03	6.40E-04	6.08E-04	1.25E-03
2656	490860.04, 3858860.04	0.01547	0.01471	2.42E-03	2.40E-03	2.28E-03	2.34E-03	2.21E-03	6.42E-04	6.10E-04	1.25E-03	6.26E-04	5.96E-04	1.22E-03	6.18E-04	5.88E-04	1.21E-03
2657	490360.04, 3858910.04	0.02276	0.02159	3.57E-03	3.52E-03	3.36E-03	3.44E-03	3.25E-03	9.44E-04	8.96E-04	1.84E-03	9.21E-04	8.74E-04	1.80E-03	9.09E-04	8.62E-04	1.77E-03
2658	490410.04, 3858910.04	0.02196	0.02084	3.44E-03	3.40E-03	3.24E-03	3.32E-03	3.13E-03	9.11E-04	8.65E-04	1.78E-03	8.89E-04	8.44E-04	1.73E-03	8.77E-04	8.32E-04	1.71E-03
2659	490460.04, 3858910.04	0.02118	0.0201	3.32E-03	3.28E-03	3.13E-03	3.20E-03	3.02E-03	8.79E-04	8.34E-04	1.71E-03	8.57E-04	8.14E-04	1.67E-03	8.46E-04	8.03E-04	1.65E-03
2660	490510.04, 3858910.04	0.02039	0.01936	3.19E-03	3.16E-03	3.01E-03	3.08E-03	2.91E-03	8.46E-04	8.03E-04	1.65E-03	8.25E-04	7.84E-04	1.61E-03	8.15E-04	7.73E-04	1.59E-03
2661	490560.04, 3858910.04	0.01961	0.01862	3.07E-03	3.04E-03	2.89E-03	2.96E-03	2.80E-03	8.14E-04	7.73E-04	1.59E-03	7.94E-04	7.54E-04	1.55E-03	7.83E-04	7.44E-04	1.53E-03
2662	490610.04, 3858910.04	0.01885	0.01791	2.95E-03	2.92E-03	2.78E-03	2.85E-03	2.69E-03	7.82E-04	7.43E-04	1.53E-03	7.63E-04	7.25E-04	1.49E-03	7.53E-04	7.15E-04	1.47E-03
2663	490660.04, 3858910.04	0.01823	0.01733	2.86E-03	2.83E-03	2.69E-03	2.76E-03	2.60E-03	7.56E-04	7.19E-04	1.48E-03	7.38E-04	7.02E-04	1.44E-03	7.28E-04	6.92E-04	1.42E-03
2664	490710.04, 3858910.04	0.01758	0.01672	2.75E-03	2.73E-03	2.59E-03	2.66E-03	2.51E-03	7.29E-04	6.94E-04	1.42E-03	7.12E-04	6.77E-04	1.39E-03	7.02E-04	6.68E-04	1.37E-03

2665	490760.04, 3858910.04	0.01689	0.01607	2.65E-03	2.62E-03	2.49E-03	2.55E-03	2.41E-03	7.01E-04	6.67E-04	1.37E-03	6.84E-04	6.51E-04	1.33E-03	6.75E-04	6.42E-04	1.32E-03
2666	490810.04, 3858910.04	0.01637	0.01558	2.56E-03	2.54E-03	2.42E-03	2.47E-03	2.33E-03	6.79E-04	6.46E-04	1.33E-03	6.63E-04	6.31E-04	1.29E-03	6.54E-04	6.22E-04	1.28E-03
2667	490860.04, 3858910.04	0.01574	0.015	2.47E-03	2.45E-03	2.32E-03	2.38E-03	2.24E-03	6.53E-04	6.22E-04	1.28E-03	6.37E-04	6.07E-04	1.24E-03	6.29E-04	5.99E-04	1.23E-03
2668	490360.04, 3858960.04	0.02386	0.0227	3.74E-03	3.71E-03	3.52E-03	3.61E-03	3.40E-03	9.90E-04	9.42E-04	1.93E-03	9.66E-04	9.19E-04	1.88E-03	9.53E-04	9.07E-04	1.86E-03
2669	490410.04, 3858960.04	0.02291	0.02179	3.59E-03	3.56E-03	3.38E-03	3.46E-03	3.27E-03	9.50E-04	9.04E-04	1.85E-03	9.27E-04	8.82E-04	1.81E-03	9.15E-04	8.70E-04	1.79E-03
2670	490460.04, 3858960.04	0.02196	0.02089	3.44E-03	3.41E-03	3.24E-03	3.32E-03	3.13E-03	9.11E-04	8.67E-04	1.78E-03	8.89E-04	8.46E-04	1.73E-03	8.77E-04	8.34E-04	1.71E-03
2671	490510.04, 3858960.04	0.02111	0.02009	3.31E-03	3.28E-03	3.12E-03	3.19E-03	3.01E-03	8.76E-04	8.33E-04	1.71E-03	8.55E-04	8.13E-04	1.67E-03	8.43E-04	8.03E-04	1.65E-03
2672	490560.04, 3858960.04	0.02031	0.01934	3.18E-03	3.16E-03	3.00E-03	3.07E-03	2.90E-03	8.43E-04	8.02E-04	1.64E-03	8.22E-04	7.83E-04	1.61E-03	8.11E-04	7.73E-04	1.58E-03
2673	490610.04, 3858960.04	0.01942	0.0185	3.04E-03	3.02E-03	2.87E-03	2.94E-03	2.77E-03	8.06E-04	7.68E-04	1.57E-03	7.86E-04	7.49E-04	1.54E-03	7.76E-04	7.39E-04	1.51E-03
2674	490660.04, 3858960.04	0.01887	0.01798	2.96E-03	2.93E-03	2.78E-03	2.85E-03	2.69E-03	7.83E-04	7.46E-04	1.53E-03	7.64E-04	7.28E-04	1.49E-03	7.54E-04	7.18E-04	1.47E-03
2675	490710.04, 3858960.04	0.01807	0.01723	2.83E-03	2.81E-03	2.67E-03	2.73E-03	2.58E-03	7.50E-04	7.15E-04	1.46E-03	7.32E-04	6.98E-04	1.43E-03	7.22E-04	6.88E-04	1.41E-03
2676	490760.04, 3858960.04	0.01738	0.01658	2.72E-03	2.71E-03	2.57E-03	2.63E-03	2.48E-03	7.21E-04	6.88E-04	1.41E-03	7.04E-04	6.71E-04	1.37E-03	6.94E-04	6.62E-04	1.36E-03
2677	490810.04, 3858960.04	0.01673	0.01597	2.62E-03	2.61E-03	2.47E-03	2.53E-03	2.39E-03	6.94E-04	6.63E-04	1.36E-03	6.77E-04	6.47E-04	1.32E-03	6.68E-04	6.38E-04	1.31E-03
2678	490860.04, 3858960.04	0.01605	0.01533	2.51E-03	2.50E-03	2.37E-03	2.43E-03	2.29E-03	6.66E-04	6.36E-04	1.30E-03	6.50E-04	6.21E-04	1.27E-03	6.41E-04	6.12E-04	1.25E-03
2679	490360.04, 3859010.04	0.02511	0.02396	3.93E-03	3.91E-03	3.71E-03	3.80E-03	3.58E-03	1.04E-03	9.94E-04	2.04E-03	1.02E-03	9.70E-04	1.99E-03	1.00E-03	9.57E-04	1.96E-03
2680	490410.04, 3859010.04	0.02398	0.02288	3.76E-03	3.73E-03	3.54E-03	3.62E-03	3.42E-03	9.95E-04	9.49E-04	1.94E-03	9.71E-04	9.26E-04	1.90E-03	9.58E-04	9.14E-04	1.87E-03
2681	490460.04, 3859010.04	0.02279	0.02175	3.57E-03	3.55E-03	3.36E-03	3.44E-03	3.25E-03	9.46E-04	9.02E-04	1.85E-03	9.23E-04	8.81E-04	1.80E-03	9.10E-04	8.69E-04	1.78E-03
2682	490510.04, 3859010.04	0.0217	0.02072	3.40E-03	3.38E-03	3.20E-03	3.28E-03	3.09E-03	9.00E-04	8.60E-04	1.76E-03	8.79E-04	8.39E-04	1.72E-03	8.67E-04	8.28E-04	1.69E-03
2683	490560.04, 3859010.04	0.02098	0.02002	3.29E-03	3.27E-03	3.10E-03	3.17E-03	2.99E-03	8.70E-04	8.31E-04	1.70E-03	8.49E-04	8.10E-04	1.66E-03	8.38E-04	8.00E-04	1.64E-03
2684	490610.04, 3859010.04	0.02003	0.01912	3.14E-03	3.12E-03	2.96E-03	3.03E-03	2.86E-03	8.31E-04	7.93E-04	1.62E-03	8.11E-04	7.74E-04	1.58E-03	8.00E-04	7.64E-04	1.56E-03
2685	490660.04, 3859010.04	0.01945	0.01858	3.05E-03	3.03E-03	2.87E-03	2.94E-03	2.77E-03	8.07E-04	7.71E-04	1.58E-03	7.87E-04	7.52E-04	1.54E-03	7.77E-04	7.42E-04	1.52E-03
2686	490710.04, 3859010.04	0.01857	0.01775	2.91E-03	2.90E-03	2.74E-03	2.81E-03	2.65E-03	7.70E-04	7.36E-04	1.51E-03	7.52E-04	7.19E-04	1.47E-03	7.42E-04	7.09E-04	1.45E-03
2687	490760.04, 3859010.04	0.01781	0.01703	2.79E-03	2.78E-03	2.63E-03	2.69E-03	2.54E-03	7.39E-04	7.07E-04	1.45E-03	7.21E-04	6.89E-04	1.41E-03	7.11E-04	6.80E-04	1.39E-03
2688	490810.04, 3859010.04	0.01708	0.01635	2.68E-03	2.67E-03	2.52E-03	2.58E-03	2.44E-03	7.09E-04	6.78E-04	1.39E-03	6.91E-04	6.62E-04	1.35E-03	6.82E-04	6.53E-04	1.34E-03
2689	490860.04, 3859010.04	0.01645	0.01575	2.58E-03	2.57E-03	2.43E-03	2.49E-03	2.35E-03	6.82E-04	6.53E-04	1.34E-03	6.66E-04	6.38E-04	1.30E-03	6.57E-04	6.29E-04	1.29E-03
2690	490360.04, 3859060.04	0.02644	0.02531	4.14E-03	4.13E-03	3.90E-03	4.00E-03	3.77E-03	1.10E-03	1.05E-03	2.15E-03	1.07E-03	1.02E-03	2.10E-03	1.06E-03	1.01E-03	2.07E-03
2691	490410.04, 3859060.04	0.02494	0.02387	3.91E-03	3.90E-03	3.68E-03	3.77E-03	3.56E-03	1.03E-03	9.90E-04	2.03E-03	1.01E-03	9.66E-04	1.98E-03	9.96E-04	9.54E-04	1.95E-03
2692	490460.04, 3859060.04	0.02371	0.0227	3.71E-03	3.71E-03	3.50E-03	3.58E-03	3.38E-03	9.84E-04	9.42E-04	1.93E-03	9.60E-04	9.19E-04	1.88E-03	9.47E-04	9.07E-04	1.85E-03
2693	490510.04, 3859060.04	0.02265	0.02168	3.55E-03	3.54E-03	3.34E-03	3.42E-03	3.23E-03	9.40E-04	8.99E-04	1.84E-03	9.17E-04	8.78E-04	1.79E-03	9.05E-04	8.66E-04	1.77E-03
2694	490560.04, 3859060.04	0.02154	0.02063	3.37E-03	3.37E-03	3.18E-03	3.26E-03	3.07E-03	8.94E-04	8.56E-04	1.75E-03	8.72E-04	8.35E-04	1.71E-03	8.60E-04	8.24E-04	1.68E-03
2695	490610.04, 3859060.04	0.02073	0.01985	3.25E-03	3.24E-03	3.06E-03	3.13E-03	2.96E-03	8.60E-04	8.24E-04	1.68E-03	8.39E-04	8.04E-04	1.64E-03	8.28E-04	7.93E-04	1.62E-03
2696	490660.04, 3859060.04	0.01999	0.01915	3.13E-03	3.13E-03	2.95E-03	3.02E-03	2.85E-03	8.29E-04	7.94E-04	1.62E-03	8.09E-04	7.75E-04	1.58E-03	7.99E-04	7.65E-04	1.56E-03
2697	490710.04, 3859060.04	0.01905	0.01826	2.98E-03	2.98E-03	2.81E-03	2.88E-03	2.72E-03	7.90E-04	7.58E-04	1.55E-03	7.71E-04	7.39E-04	1.51E-03	7.61E-04	7.29E-04	1.49E-03
2698	490760.04, 3859060.04	0.01823	0.01748	2.86E-03	2.85E-03	2.69E-03	2.76E-03	2.60E-03	7.56E-04	7.25E-04	1.48E-03	7.38E-04	7.08E-04	1.45E-03	7.28E-04	6.98E-04	1.43E-03
2699	490810.04, 3859060.04	0.01746	0.01675	2.74E-03	2.73E-03	2.58E-03	2.64E-03	2.49E-03	7.24E-04	6.95E-04	1.42E-03	7.07E-04	6.78E-04	1.38E-03	6.97E-04	6.69E-04	1.37E-03
2700	490860.04, 3859060.04	0.01678	0.01611	2.63E-03	2.63E-03	2.48E-03	2.54E-03	2.39E-03	6.96E-04	6.68E-04	1.36E-03	6.79E-04	6.52E-04	1.33E-03	6.70E-04	6.44E-04	1.31E-03
2701	490360.04, 3859110.04	0.02816	0.02706	4.41E-03	4.42E-03	4.16E-03	4.26E-03	4.02E-03	1.17E-03	1.12E-03	2.29E-03	1.14E-03	1.10E-03	2.24E-03	1.12E-03	1.08E-03	2.21E-03
2702	490410.04, 3859110.04	0.02645	0.02541	4.14E-03	4.15E-03	3.90E-03	4.00E-03	3.77E-03	1.10E-03	1.05E-03	2.15E-03	1.07E-03	1.03E-03	2.10E-03	1.06E-03	1.02E-03	2.07E-03
2703	490460.04, 3859110.04	0.02518	0.02418	3.94E-03	3.95E-03	3.72E-03	3.81E-03	3.59E-03	1.04E-03	1.00E-03	2.05E-03	1.02E-03	9.79E-04	2.00E-03	1.01E-03	9.66E-04	1.97E-03
2704	490510.04, 3859110.04	0.02353	0.0226	3.69E-03	3.69E-03	3.47E-03	3.56E-03	3.36E-03	9.76E-04	9.38E-04	1.91E-03	9.53E-04	9.15E-04	1.87E-03	9.40E-04	9.03E-04	1.84E-03
2705	490560.04, 3859110.04	0.02242	0.02153	3.51E-03	3.51E-03	3.31E-03	3.39E-03	3.20E-03	9.30E-04	8.93E-04	1.82E-03	9.08E-04	8.72E-04	1.78E-03	8.96E-04	8.60E-04	1.76E-03
2706	490610.04, 3859110.04	0.02132	0.02048	3.34E-03	3.34E-03	3.15E-03	3.22E-03	3.04E-03	8.85E-04	8.50E-04	1.73E-03	8.63E-04	8.29E-04	1.69E-03	8.52E-04	8.18E-04	1.67E-03
2707	490660.04, 3859110.04	0.02024	0.01945	3.17E-03	3.17E-03	2.99E-03	3.06E-03	2.89E-03	8.40E-04	8.07E-04	1.65E-03	8.19E-04	7.87E-04	1.61E-03	8.09E-04	7.77E-04	1.59E-03
2708	490710.04, 3859110.04	0.01949	0.01874	3.05E-03	3.06E-03	2.88E-03	2.95E-03	2.78E-03	8.09E-04	7.77E-04	1.59E-03	7.89E-04	7.59E-04	1.55E-03	7.79E-04	7.49E-04	1.53E-03
2709	490760.04, 3859110.04	0.01867	0.01796	2.92E-03	2.93E-03	2.76E-03	2.82E-03	2.66E-03	7.75E-04	7.45E-04	1.52E-03	7.56E-04	7.27E-04	1.48E-03	7.46E-04	7.17E-04	1.46E-03
2710	490810.04, 3859110.04	0.01783	0.01716	2.79E-03	2.80E-03	2.63E-03	2.70E-03	2.54E-03	7.40E-04	7.12E-04	1.45E-03	7.22E-04	6.95E-04	1.42E-03	7.12E-04	6.85E-04	1.40E-03
2711	490860.04, 3859110.04	0.01706	0.01644	2.67E-03	2.68E-03	2.52E-03	2.58E-03	2.43E-03	7.08E-04	6.82E-04	1.39E-03	6.91E-04	6.66E-04	1.36E-03	6.81E-04	6.57E-04	1.34E-03
2712	490360.04, 3859160.04	0.03029	0.02923	4.74E-03	4.77E-03	4.47E-03	4.58E-03	4.32E-03	1.26E-03	1.21E-03	2.47E-03	1.23E-03	1.18E-03	2.41E-03	1.21E-03	1.17E-03	2.38E-03
2713	490410.04, 3859160.04	0.02838	0.02738	4.45E-03	4.47E-03	4.19E-03	4.29E-03	4.05E-03	1.18E-03	1.14E-03	2.31E-03	1.15E-03	1.11E-03	2.26E-03	1.13E-03	1.09E-03	2.23E-03
2714	490460.04, 3859160.04	0.02673	0.02578	4.19E-03	4.21E-03	3.95E-03	4.04E-03	3.81E-03	1.11E-03	1.07E-03	2.18E-03	1.08E-03	1.04E-03	2.13E-03	1.07E-03	1.03E-03	2.10E-03
2715	490510.04, 3859160.04	0.0252	0.02429	3.95E-03	3.96E-03	3.72E-03	3.81E-03	3.59E-03	1.05E-03	1.01E-03	2.05E-03	1.02E-03	9.83E-04	2.00E-03	1.01E-03	9.70E-04	1.98E-03
2716	490560.04, 3859160.04	0.02363	0.02278	3.70E-03	3.72E-03	3.49E-03	3.57E-03	3.37E-03	9.80E-04	9.45E-04	1.93E-03	9.57E-04	9.22E-04	1.88E-03	9.44E-04	9.10E-04	1.85E-03
2717	490610.04, 3859160.04	0.02251	0.0217	3.53E-03	3.54E-03	3.32E-03	3.40E-03	3.21E-03	9.34E-04	9.00E-04	1.83E-03	9.11E-04	8.79E-04	1.79E-03	8.99E-04	8.67E-04	1.77E-03
2718	490660.04, 3859160.04	0.02091	0.02017	3.28E-03	3.29E-03	3.09E-03	3.16E-03	2.98E-03	8.68E-04	8.37E-04	1.70E-03	8.47E-04	8.17E-04	1.66E-03	8.35E-04	8.06E-04	1.64E-03
2719	490710.04, 3859160.04	0.02007	0.01936	3.14E-03	3.16E-03	2.96E-03	3.03E-03	2.86E-03	8.33E-04	8.03E-04	1.64E-03	8.13E-04	7.84E-04	1.60E-03	8.02E-04	7.73E-04	1.58E-03
2720	490760.04, 3859160.04	0.01898	0.01833	2.97E-03	2.99E-03	2.80E-03	2.87E-03	2.71E-03	7.87E-04	7.60E-04	1.55E-03	7.68E-04	7.42E-04	1.51E-03	7.58E-04	7.32E-04	1.49E-03
2721	490810.04, 3859160.04	0.01826	0.01764	2.86E-03	2.88E-03	2.69E-03	2.76E-03	2.60E-03	7.58E-04	7.32E-04	1.49E-03	7.39E-04	7.14E-04	1.45E-03	7.29E-04	7.05E-04	1.43E-03
2722	490860.04, 3859160.04	0.01755	0.01697	2.75E-03	2.77E-03	2.59E-03	2.65E-03	2.50E-03	7.28E-04	7.04E-04	1.43E-03	7.11E-04	6.87E-04	1.40E-03	7.01E-04	6.78E-04	1.38E-03
2723	490360.04, 3859210.04	0.03283	0.03184	5.14E-03	5.20E-03	4.85E-03	4.96E-03	4.68E-03	1.36E-03	1.32E-03	2.68E-03	1.33E-03	1.29E-03	2.62E-03	1.31E-03	1.27E-03	2.58E-03
2724	490410.04, 3859210.04	0.03109	0.03013	4.87E-03	4.92E-03	4.59E-03	4.70E-03	4.43E-03	1.29E-03	1.25E-03	2.54E-03	1.26E-03	1.22E-03	2.48E-03	1.24E-03	1.20E-03	2.45E-03
2725	490460.04, 3859210.04	0.02862	0.02771	4.48E-03	4.52E-03	4.22E-03	4.33E-03	4.08E-03	1.19E-03	1.15E-03	2.34E-03	1.16E-03	1.12E-03	2.28E-03	1.14E-03	1.11E-03	2.25E-03
2726	490510.04, 3859210.04	0.02681	0.02594	4.20E-03	4.23E-03	3.96E-03	4.05E-03	3.82E-03	1.11E-03	1.08E-03	2.19E-03	1.09E-03	1.05E-03	2.14E-03	1.07E-03	1.04E-03	2.11E-03
2727	490560.04, 3859210.04	0.02544	0.02462	3.99E-03	4.02E-03	3.75E-03	3.85E-03	3.63E-03	1.06E-03	1.02E-03	2.08E-03	1.03E-03	9.97E-04	2.03E-03	1.02E-03	9.83E-04	2.00E-03
2728	490610.04, 3859210.04	0.02396	0.02318	3.75E-03	3.78E-03	3.54E-03	3.62E-03	3.42E-03	9.94E-04	9.62E-04	1.96E-03	9.70E-04	9.38E-04	1.91E-03	9.57E-04	9.26E-04	1.88E-03
2729	490660.04, 3859210.04	0.02226	0.02154	3.49E-03	3.52E-03	3.29E-03	3.36E-03	3.17E-03	9.24E-04	8.94E-04	1.82E-03	9.01E-04	8.72E-04	1.77E-03	8.89E-04	8.60E-04	1.75E-03
2730	490710.04, 3859210.04	0.02112	0.02044	3.31E-03	3.34E-03	3.12E-03	3.19E-03	3.01E-03	8.76E-04	8.48E-04	1.72E-03	8.55E-04	8.28E-04	1.68E-03	8.44E-04	8.17E-04	1.66E-03
2731	490760.04, 3859210.04	0.01998	0.01936	3.13E-03	3.16E-03	2.95E-03	3.02E-03	2.85E-03	8.29E-04	8.03E-04	1.63E-03	8.09E-04	7.84E-04	1.59E-03	7.98E-04	7.73E-04	1.57E-03
2732	490810.04, 3859210.04	0.01942	0.01882	3.04E-03	3.07E-03	2.87E-03	2.94E-03	2.77E-03	8.06E-04	7.81E-04	1.59E-03	7.86E-04	7.62E-04	1.55E-03	7.76E-04	7.52E-04	1.53E-03
2733	490860.04, 3859210.04	0.01887	0.01829	2.96E-03	2.99E-03	2.78E-03	2.85E-03	2.69E-03	7.83E-04	7.59E-04	1.54E-03	7.64E-04	7.40E-04	1.50E-03	7.54E-04	7.31E-04	1.48E-03
2734	490360.04, 3859260.04	0.03569	0.03477	5.59E-03	5.68E-03	5.27E-03	5.39E-03	5.09E-03	1.48E-03	1.44E-03	2.92E-03	1.44E-03	1.41E-03	2.85E-03	1.43E-03	1.39E-03	2.81E-03
2735	490410.04, 3859260.04	0.03345	0.03256	5.24E-03	5.31E-03	4.94E-03	5.06E-03	4.77E-03	1.39E-03	1.35E-03	2.74E-03	1.35E-03	1.32E-03	2.67E-03	1.34E-03	1.30E-03	2.64E-03
2736	490460.04, 3859260.04	0.03161	0.03075	4.95E-03	5.02E-03	4.67E-03	4.78E-03	4.51E-03	1.31E-03	1.28E-03	2.59E-03	1.28E-03	1.24E-03	2.52E-03	1.26E-03	1.23E-03	2.49E-03
2737	490510.04, 3859260.04	0.02988	0.02904	4.68E-03	4.74E-03	4.41E-03	4.52E-03	4.26E-03	1.24E-03	1.20E-03	2.44E-03	1.21E-03	1.18E-03	2.39E-03	1.19E-03	1.16E-03	2.35E-03
2738	490560.04, 3859260.04	0.02799	0.0272	4.38E-03	4.44E-03	4.13E-03	4.23E-03	3.99E-03	1.16E-03	1.13E-03	2.29E-03	1.13E-03	1.10E-03	2.23E-03	1.12E-03	1.09E-03	2.20E-03
2739	490610.04, 3859260.04	0.0259	0.02516	4.06E-03	4.11E-03	3.82E-03	3.92E-03	3.69E-03	1.07E-03	1.04E-03	2.12E-03	1.05E-03	1.02E-03	2.07E-03	1.03E-03	1.01E-03	2.04E-03
2740	490660.04, 3859260.04	0.02494	0.02422	3.91E-03	3.95E-03	3.68E-03	3.77E-03	3.56E-03	1.03E-03	1.00E-03	2.04E-03	1.01E-03	9.81E-04	1.99E-03	9.96E-04	9.68E-04	1.96E-03
2741	490710.04, 3859260.04	0.02362	0.02293	3.70E-03	3.74E-03	3.49E-03	3.57E-03	3.37E-03	9.80E-04	9.51E-04	1.93E-03	9.56E-04	9.28E-04	1.88E-03	9.44E-04	9.16E-04	1.86E-03
2742	490760.04, 3859260.04	0.02214	0.0215	3.47E-03	3.51E-03	3.27E-03	3.35E-03	3.16E-03	9.19E-04	8.92E-04	1.81E-03	8.96E-04	8.70E-04	1.77E-03	8.84E-04	8.59E-04	1.74E-03
2743	490810.04, 3859260.04	0.02135	0.02074	3.34E-03	3.39E-03	3.15E-03	3.23E-03	3.04E-03	8.86E-04	8.60E-04	1.75E-03	8.64E-04	8.40E-04	1.70E-03	8.53E-04	8.28E-04	1.68E-03
2744	490860.04, 3859260.04	0.02062	0.02003	3.23E-03	3.27E-03	3.04E-03	3.12E-03	2.94E-03	8.55E-04	8.31E-04	1.69E-03	8.35E-04	8.11E-04	1.65E-03	8.24E-04	8.00E-04	1.62E-03
2745	490360.04, 3859310.04	0.03995	0.03913	6.26E-03	6.39E-03	5.90E-03	6.04E-03	5.70E-03	1.66E-03	1.62E-03	3.28E-03	1.62E-03	1.58E-03	3.20E-03	1.60E-03	1.56E-03	3.16E-03
2746	490410.04, 3859310.04	0.03721	0.03641	5.83E-03	5.94E-03	5.49E-03	5.62E-03	5.31E-03	1.54E-03	1.51E-03	3.05E-03	1.51E-03	1.47E-03	2.98E-03	1.49E-03	1.45E-03	2.94E-03
2747	490460.04, 3859310.04	0.03489	0.0341	5.47E-03	5.57E-03	5.15E-03	5.27E-03	4.97E-03	1.45E-03	1.41E-03	2.86E-03	1.41E-03	1.38E-03	2.79E-03	1.39E-03	1.36E-03	2.76E-03
2748	490510.04, 3859310.04	0.03303	0.03224	5.17E-03	5.26E-03	4.87E-03	4.99E-03	4.71E-03	1.37E-03	1.34E-03	2.71E-03	1.34E-03	1.31E-03	2.64E-03	1.32E-03	1.29E-03	2.61E-03
2749	490560.04, 3859310.04	0.03123	0.03047	4.89E-03	4.97E-03	4.61E-03	4.72E-03	4.45E-03	1.30E-03	1.26E-03	2.56E-03	1.26E-03	1.23E-03	2.50E-03	1.25E-03	1.22E-03	2.46E-03
2750	490610.04, 3859310.04	0.0297	0.02896	4.65E-03	4.73E-03	4.38E-03	4.49E-03	4.23E-03	1.23E-03	1.20E-03	2.43E-03	1.20E-03	1.17E-03	2.37E-03	1.19E-03	1.16E-03	2.34E-03
2751	490660.04, 3859310.04	0.02808	0.02737	4.40E-03	4.47E-03	4.14E-03	4.24E-03	4.00E-03	1.16E-03	1.14E-03	2.30E-03	1.14E-03	1.11E-03	2.24E-03	1.12E-03	1.09E-03	2.22E-03
2752	490710.04, 3859310.04	0.02598	0.02532	4.07E-03	4.13E-03	3.83E-03	3.93E-03	3.70E-03	1.08E-03	1.05E-03	2.13E-03	1.05E-03	1.03E-03	2.08E-03	1.04E-03	1.01E-03	2.05E-03
2753	490760.04, 3859310.04	0.02461	0.02398	3.86E-03	3.91E-03	3.63E-03	3.72E-03	3.51E-03	1.02E-03	9.95E-04	2.02E-03	9.96E-04	9.71E-04	1.97E-03	9.83E-04	9.58E-04	1.94E-03
2754	490810.04, 3859310.04	0.02362	0.02302	3.70E-03	3.76E-03	3.49E-03	3.57E-03	3.37E-03	9.80E-04	9.55E-04	1.93E-03	9.56E-04	9.32E-04	1.89E-03	9.44E-04	9.20E-04	1.86E-03
2755	490860.04, 3859310.04	0.0225	0.02193	3.52E-03	3.58E-03	3.32E-03	3.40E-03	3.21E-03	9.33E-04	9.10E-04	1.84E-03	9.11E-04	8.88E-04	1.80E-03	8.99E-04	8.76E-04	1.77E-03
2756	490360.04, 3859360.04	0.04548	0.04479	7.12E-03	7.31E-03	6.71E-03	6.87E-03	6.48E-03	1.89E-03	1.86E-03	3.75E-03	1.84E-03	1.81E-03	3.65E-03	1.82E-03	1.79E-03	3.61E-03
2757	490410.04, 3859360.04	0.04247	0.04176	6.65E-03	6.82E-03	6.27E-03	6.42E-03	6.06E-03	1.76E-03	1.73E-03	3.49E-03	1.72E-03	1.69E-03	3.41E-03	1.70E-03	1.67E-03	3.36E-03
2758	490460.04, 3859360.04	0.03987	0.03916	6.25E-03	6.39E-03	5.88E-03	6.03E-03	5.68E-03	1.65E-03	1.62E-03	3.28E-03	1.61E-03	1.59E-03	3.20E-03	1.59E-03	1.56E-03	3.16E-03
2759	490510.04, 3859360.04	0.03751	0.0368	5.88E-03	6.01E-03	5.54E-03	5.67E-03	5.35E-03	1.56E-03	1.53E-03	3.08E-03	1.52E-03	1.49E-03	3.01E-03	1.50E-03	1.47E-03	2.97E-03
2760	490560.04, 3859360.04	0.03507	0.03437	5.49E-03	5.61E-03	5.18E-03	5.30E-03	5.00E-03	1.45E-03	1.43E-03	2.88E-03	1.42E-03	1.39E-03	2.81E-03	1.40E-03	1.37E-03	2.77E-03
2761	490610.04, 3859360.04	0.0329	0.03222	5.15E-03	5.26E-03	4.86E-03	4.97E-03	4.69E-03	1.36E-03	1.34E-03	2.70E-03	1.33E-03	1.30E-03	2.64E-03	1.31E-03	1.29E-03	2.60E-03
2762	490660.04, 3859360.04	0.0311	0.03043	4.87E-03	4.97E-03	4.59E-03	4.70E-03	4.43E-03	1.29E-03	1.26E-03	2.55E-03	1.26E-03	1.23E-03	2.49E-03	1.24E-03	1.22E-03	2.46E-03
2763	490710.04, 3859360.04	0.02912	0.02848	4.56E-03	4.65E-03	4.30E-03	4.40E-03	4.15E-03	1.21E-03	1.18E-03	2.39E-03	1.18E-03	1.15E-03	2.33E-03	1.16E-03	1.14E-03	2.30E-03
2764	490760.04, 3859360.04	0.02727	0.02667	4.27E-03	4.35E-03	4.02E-03	4.12E-03	3.89E-03	1.13E-03	1.11E-03	2.24E-03	1.10E-03	1.08E-03	2.18E-03	1.09E-03	1.07E-03	2.15E-03
2765	490810.04, 3859360.04	0.02628	0.0257	4.12E-03	4.19E-03	3.88E-03	3.97E-03	3.75E-03	1.09E-03	1.07E-03	2.16E-03	1.06E-03	1.04E-03	2.10E-03	1.05E-03	1.03E-03	2.08E-03
2766	490860.04, 3859360.04	0.02504	0.02447	3.92E-03	3.99E-03	3.70E-03	3.79E-03	3.57E-03	1.04E-03	1.02E-03	2.05E-03	1.01E-03	9.91E-04	2.00E-03	1.00E-03	9.78E-04	1.98E-03
2767	490360.04, 3859410.04	0.05282	0.05227	8.27E-03	8.53E-03	7.80E-03	7.98E-03	7.53E-03	2.19E-03	2.17E-03	4.36E-03	2.14E-03	2.12E-03	4.25E-03	2.11E-03	2.09E-03	4.20E-03
2768	490410.04, 3859410.04	0.04913	0.04854	7.70E-03	7.92E-03	7.25E-03	7.43E-03	7.01E-03	2.04E-03	2.01E-03	4.05E-03	1.99E-03	1.97E-03	3.95E-03	1.96E-03	1.94E-03	3.90E-03
2769	490460.04, 3859410.04	0.04583	0.04523	7.18E-03	7.38E-03	6.76E-03	6.93E-03	6.53E-03	1.90E-03	1.88E-03	3.78E-03	1.86E-03	1.83E-03	3.69E-03	1.83E-03	1.81E-03	3.64E-03
2770	490510.04, 3859410.04	0.04285	0.04224	6.71E-03	6.89E-03	6.32E-03	6.48E-03	6.11E-03	1.78E-03	1.75E-03	3.53E-03	1.73E-03	1.71E-03	3.44E-03	1.71E-03	1.69E-03	3.40E-03
2771	490560.04, 3859410.04	0.04018	0.03957	6.29E-03	6.46E-03	5.93E-03	6.07E-03	5.73E-03	1.67E-03	1.64E-03	3.31E-03	1.63E-03	1.60E-03	3.23E-03	1.61E-03	1.58E-03	3.19E-03
2772	490610.04, 3859410.04	0.03776	0.03715	5.92E-03	6.06E-03	5.57E-03	5.71E-03	5.38E-03	1.57E-03	1.54E-03	3.11E-03	1.53E-03	1.50E-03	3.03E-03	1.51E-03	1.48E-03	2.99E-03
2773	490660.04, 3859410.04	0.03507	0.03447	5.49E-03	5.63E-03	5.18E-03	5.30E-03	5.00E-03	1.45E-03	1.43E-03	2.89E-03	1.42E-03	1.40E-03	2.82E-03	1.40E-03	1.38E-03	2.78E-03
2774	490710.04, 3859410.04	0.03282	0.03223	5.14E-03	5.26E-03	4.84E-03	4.96E-03	4.68E-03	1.36E-03	1.34E-03	2.70E-03	1.33E-03	1.30E-03	2.63E-03	1.31E-03	1.29E-03	2.60E-03
2775	490760.04, 3859410.04	0.03053	0.02998	4.78E-03	4.89E-03	4.51E-03	4.61E-03	4.35E-03	1.27E-03	1.24E-03	2.51E-03	1.24E-03	1.21E-03	2.45E-03	1.22E-03	1.20E-03	2.42E-03
2776	490810.04, 3859410.04	0.02928	0.02874	4.59E-03	4.69E-03	4.32E-03	4.43E-03	4.17E-03	1.21E-03	1.19E-03	2.41E-03	1.19E-03	1.16E-03	2.35E-03	1.17E-03	1.15E-03	2.32E-03
2777	490860.04, 3859410.04	0.02827	0.02774	4.43E-03	4.53E-03	4.17E-03	4.27E-03	4.03E-03	1.17E-03	1.15E-03	2.32E-03	1.14E-03	1.12E-03	2.27E-03	1.13E-03	1.11E-03	2.24E-03
2778	490360.04, 3859460.04	0.0631	0.06275	9.88E-03	1.02E-02	9.31E-03	9.54E-03	9.00E-03	2.62E-03	2.60E-03	5.22E-03	2.55E-03	2.54E-03	5.09E-03	2.52E-03	2.51E-03	5.03E-03
2779	490410.04, 3859460.04	0.05777	0.05735	9.05E-03	9.36E-03	8.53E-03	8.73E-03	8.24E-03	2.40E-03	2.38E-03	4.78E-03	2.34E-03	2.32E-03	4.66E-03	2.31E-03	2.29E-03	4.60E-03
2780	490460.04, 3859460.04	0.05354	0.05308	8.39E-03	8.66E-03	7.90E-03	8.09E-03	7.63E-03	2.22E-03	2.20E-03	4.42E-03	2.17E-03	2.15E-03	4.32E-03	2.14E-03	2.12E-03	4.26E-03

2781	490510.04, 3859460.04	0.04974	0.04927	7.79E-03	8.04E-03	7.34E-03	7.52E-03	7.09E-03	2.06E-03	2.04E-03	4.11E-03	2.01E-03	1.99E-03	4.01E-03	1.99E-03	1.97E-03	3.96E-03
2782	490560.04, 3859460.04	0.04642	0.04594	7.27E-03	7.50E-03	6.85E-03	7.02E-03	6.62E-03	1.93E-03	1.91E-03	3.83E-03	1.88E-03	1.86E-03	3.74E-03	1.85E-03	1.84E-03	3.69E-03
2783	490610.04, 3859460.04	0.04325	0.04276	6.78E-03	6.98E-03	6.38E-03	6.54E-03	6.17E-03	1.79E-03	1.77E-03	3.57E-03	1.75E-03	1.73E-03	3.48E-03	1.73E-03	1.71E-03	3.44E-03
2784	490660.04, 3859460.04	0.04029	0.0398	6.31E-03	6.50E-03	5.95E-03	6.09E-03	5.74E-03	1.67E-03	1.65E-03	3.32E-03	1.63E-03	1.61E-03	3.24E-03	1.61E-03	1.59E-03	3.20E-03
2785	490710.04, 3859460.04	0.03785	0.03736	5.93E-03	6.10E-03	5.59E-03	5.72E-03	5.40E-03	1.57E-03	1.55E-03	3.12E-03	1.53E-03	1.51E-03	3.04E-03	1.51E-03	1.49E-03	3.00E-03
2786	490760.04, 3859460.04	0.03549	0.03501	5.56E-03	5.71E-03	5.24E-03	5.36E-03	5.06E-03	1.47E-03	1.45E-03	2.92E-03	1.44E-03	1.42E-03	2.85E-03	1.42E-03	1.40E-03	2.82E-03
2787	490810.04, 3859460.04	0.03336	0.0329	5.23E-03	5.37E-03	4.92E-03	5.04E-03	4.76E-03	1.38E-03	1.36E-03	2.75E-03	1.35E-03	1.33E-03	2.68E-03	1.33E-03	1.31E-03	2.65E-03
2788	490860.04, 3859460.04	0.03192	0.03146	5.00E-03	5.14E-03	4.71E-03	4.83E-03	4.55E-03	1.32E-03	1.31E-03	2.63E-03	1.29E-03	1.27E-03	2.57E-03	1.28E-03	1.26E-03	2.53E-03
2789	490360.04, 3859510.04	0.07878	0.07863	1.23E-02	1.28E-02	1.16E-02	1.19E-02	1.12E-02	3.27E-03	3.26E-03	6.53E-03	3.19E-03	3.18E-03	6.37E-03	3.15E-03	3.14E-03	6.29E-03
2790	490410.04, 3859510.04	0.0713	0.07118	1.12E-02	1.16E-02	1.05E-02	1.08E-02	1.02E-02	2.96E-03	2.95E-03	5.91E-03	2.89E-03	2.88E-03	5.77E-03	2.85E-03	2.84E-03	5.69E-03
2791	490460.04, 3859510.04	0.06478	0.06456	1.01E-02	1.05E-02	9.56E-03	9.79E-03	9.24E-03	2.69E-03	2.68E-03	5.37E-03	2.62E-03	2.61E-03	5.24E-03	2.59E-03	2.58E-03	5.17E-03
2792	490510.04, 3859510.04	0.05951	0.05926	9.32E-03	9.67E-03	8.78E-03	9.00E-03	8.49E-03	2.47E-03	2.46E-03	4.93E-03	2.41E-03	2.40E-03	4.81E-03	2.38E-03	2.37E-03	4.74E-03
2793	490560.04, 3859510.04	0.05495	0.05468	8.61E-03	8.93E-03	8.11E-03	8.31E-03	7.84E-03	2.28E-03	2.27E-03	4.55E-03	2.22E-03	2.21E-03	4.44E-03	2.20E-03	2.18E-03	4.38E-03
2794	490610.04, 3859510.04	0.05078	0.0505	7.95E-03	8.24E-03	7.49E-03	7.68E-03	7.24E-03	2.11E-03	2.10E-03	4.20E-03	2.06E-03	2.04E-03	4.10E-03	2.03E-03	2.02E-03	4.05E-03
2795	490660.04, 3859510.04	0.04711	0.0468	7.38E-03	7.64E-03	6.95E-03	7.12E-03	6.72E-03	1.95E-03	1.94E-03	3.90E-03	1.91E-03	1.89E-03	3.80E-03	1.88E-03	1.87E-03	3.75E-03
2796	490710.04, 3859510.04	0.04378	0.04346	6.86E-03	7.09E-03	6.46E-03	6.62E-03	6.24E-03	1.82E-03	1.80E-03	3.62E-03	1.77E-03	1.76E-03	3.53E-03	1.75E-03	1.74E-03	3.48E-03
2797	490760.04, 3859510.04	0.04089	0.04055	6.41E-03	6.62E-03	6.03E-03	6.18E-03	5.83E-03	1.70E-03	1.68E-03	3.38E-03	1.66E-03	1.64E-03	3.30E-03	1.63E-03	1.62E-03	3.25E-03
2798	490810.04, 3859510.04	0.03851	0.03817	6.03E-03	6.23E-03	5.68E-03	5.82E-03	5.49E-03	1.60E-03	1.58E-03	3.18E-03	1.56E-03	1.55E-03	3.10E-03	1.54E-03	1.52E-03	3.06E-03
2799	490860.04, 3859510.04	0.03623	0.03589	5.68E-03	5.86E-03	5.35E-03	5.48E-03	5.17E-03	1.50E-03	1.49E-03	2.99E-03	1.47E-03	1.45E-03	2.92E-03	1.45E-03	1.43E-03	2.88E-03
2800	490360.04, 3859560.04	0.10462	0.10494	1.64E-02	1.71E-02	1.54E-02	1.58E-02	1.49E-02	4.34E-03	4.35E-03	8.69E-03	4.24E-03	4.25E-03	8.48E-03	4.18E-03	4.19E-03	8.37E-03
2801	490410.04, 3859560.04	0.09272	0.093	1.45E-02	1.52E-02	1.37E-02	1.40E-02	1.32E-02	3.85E-03	3.86E-03	7.71E-03	3.75E-03	3.77E-03	7.52E-03	3.70E-03	3.72E-03	7.42E-03
2802	490460.04, 3859560.04	0.08277	0.08305	1.30E-02	1.36E-02	1.22E-02	1.25E-02	1.18E-02	3.43E-03	3.45E-03	6.88E-03	3.35E-03	3.36E-03	6.71E-03	3.31E-03	3.32E-03	6.62E-03
2803	490510.04, 3859560.04	0.07393	0.07408	1.16E-02	1.21E-02	1.09E-02	1.12E-02	1.05E-02	3.07E-03	3.07E-03	6.14E-03	2.99E-03	3.00E-03	5.99E-03	2.95E-03	2.96E-03	5.91E-03
2804	490560.04, 3859560.04	0.06735	0.06743	1.06E-02	1.10E-02	9.94E-03	1.02E-02	9.60E-03	2.79E-03	2.80E-03	5.59E-03	2.73E-03	2.73E-03	5.46E-03	2.69E-03	2.69E-03	5.38E-03
2805	490610.04, 3859560.04	0.06146	0.0615	9.63E-03	1.00E-02	9.07E-03	9.29E-03	8.76E-03	2.55E-03	2.55E-03	5.10E-03	2.49E-03	2.49E-03	4.98E-03	2.46E-03	2.46E-03	4.91E-03
2806	490660.04, 3859560.04	0.05642	0.05641	8.84E-03	9.21E-03	8.33E-03	8.53E-03	8.04E-03	2.34E-03	2.34E-03	4.68E-03	2.28E-03	2.28E-03	4.57E-03	2.25E-03	2.25E-03	4.51E-03
2807	490710.04, 3859560.04	0.05192	0.05186	8.13E-03	8.47E-03	7.66E-03	7.85E-03	7.40E-03	2.15E-03	2.15E-03	4.31E-03	2.10E-03	2.10E-03	4.20E-03	2.07E-03	2.07E-03	4.15E-03
2808	490760.04, 3859560.04	0.04771	0.0476	7.47E-03	7.77E-03	7.04E-03	7.21E-03	6.80E-03	1.98E-03	1.97E-03	3.95E-03	1.93E-03	1.93E-03	3.86E-03	1.91E-03	1.90E-03	3.81E-03
2809	490810.04, 3859560.04	0.04433	0.04419	6.94E-03	7.21E-03	6.54E-03	6.70E-03	6.32E-03	1.84E-03	1.83E-03	3.67E-03	1.79E-03	1.79E-03	3.58E-03	1.77E-03	1.77E-03	3.54E-03
2810	490860.04, 3859560.04	0.04129	0.04112	6.47E-03	6.71E-03	6.09E-03	6.24E-03	5.89E-03	1.71E-03	1.71E-03	3.42E-03	1.67E-03	1.66E-03	3.34E-03	1.65E-03	1.64E-03	3.29E-03
2811	490187.25, 3859422.08	0.07532	0.07518	1.18E-02	1.23E-02	1.11E-02	1.14E-02	1.07E-02	3.12E-03	3.12E-03	6.24E-03	3.05E-03	3.04E-03	6.09E-03	3.01E-03	3.00E-03	6.01E-03
2812	490237.25, 3859422.08	0.06818	0.06788	1.07E-02	1.11E-02	1.01E-02	1.03E-02	9.72E-03	2.83E-03	2.82E-03	5.64E-03	2.76E-03	2.75E-03	5.51E-03	2.72E-03	2.71E-03	5.44E-03
2813	490287.25, 3859422.08	0.0622	0.0618	9.74E-03	1.01E-02	9.18E-03	9.40E-03	8.87E-03	2.58E-03	2.56E-03	5.14E-03	2.52E-03	2.50E-03	5.02E-03	2.48E-03	2.47E-03	4.95E-03
2814	490337.25, 3859422.08	0.05693	0.05644	8.92E-03	9.21E-03	8.40E-03	8.61E-03	8.12E-03	2.36E-03	2.34E-03	4.70E-03	2.30E-03	2.28E-03	4.59E-03	2.27E-03	2.25E-03	4.53E-03
2815	490187.25, 3859472.08	0.09474	0.09485	1.48E-02	1.55E-02	1.40E-02	1.43E-02	1.35E-02	3.93E-03	3.94E-03	7.87E-03	3.84E-03	3.84E-03	7.68E-03	3.78E-03	3.79E-03	7.57E-03
2816	490237.25, 3859472.08	0.08452	0.08442	1.32E-02	1.38E-02	1.25E-02	1.28E-02	1.21E-02	3.51E-03	3.50E-03	7.01E-03	3.42E-03	3.42E-03	6.84E-03	3.38E-03	3.37E-03	6.75E-03
2817	490287.25, 3859472.08	0.0759	0.07572	1.19E-02	1.24E-02	1.12E-02	1.15E-02	1.08E-02	3.15E-03	3.14E-03	6.29E-03	3.07E-03	3.07E-03	6.14E-03	3.03E-03	3.02E-03	6.06E-03
2818	490337.25, 3859472.08	0.06904	0.06878	1.08E-02	1.12E-02	1.02E-02	1.04E-02	9.84E-03	2.86E-03	2.85E-03	5.72E-03	2.80E-03	2.78E-03	5.58E-03	2.76E-03	2.75E-03	5.51E-03
2819	490297.07, 3859500.42	0.08542	0.08528	1.34E-02	1.39E-02	1.26E-02	1.29E-02	1.22E-02	3.54E-03	3.54E-03	7.08E-03	3.46E-03	3.45E-03	6.91E-03	3.41E-03	3.41E-03	6.82E-03
2820	490327.07, 3859500.42	0.08049	0.08032	1.26E-02	1.31E-02	1.19E-02	1.22E-02	1.15E-02	3.34E-03	3.33E-03	6.67E-03	3.26E-03	3.25E-03	6.51E-03	3.22E-03	3.21E-03	6.42E-03
2821	490297.07, 3859530.42	0.10157	0.10157	1.59E-02	1.66E-02	1.50E-02	1.54E-02	1.45E-02	4.21E-03	4.21E-03	8.43E-03	4.11E-03	4.11E-03	8.22E-03	4.06E-03	4.06E-03	8.11E-03
2822	490327.07, 3859530.42	0.0945	0.0945	1.48E-02	1.54E-02	1.39E-02	1.43E-02	1.35E-02	3.92E-03	3.92E-03	7.84E-03	3.83E-03	3.83E-03	7.65E-03	3.77E-03	3.77E-03	7.55E-03
2823	490319.73, 3859055.34	0.02756	0.02638	4.32E-03	4.31E-03	4.07E-03	4.17E-03	3.93E-03	1.14E-03	1.09E-03	2.24E-03	1.12E-03	1.07E-03	2.18E-03	1.10E-03	1.05E-03	2.15E-03
2824	490319.73, 3859105.34	0.02934	0.0282	4.60E-03	4.60E-03	4.33E-03	4.44E-03	4.18E-03	1.22E-03	1.17E-03	2.39E-03	1.19E-03	1.14E-03	2.33E-03	1.17E-03	1.13E-03	2.30E-03
2825	490069.73, 3859155.34	0.04161	0.04033	6.52E-03	6.58E-03	6.14E-03	6.29E-03	5.93E-03	1.73E-03	1.67E-03	3.40E-03	1.68E-03	1.63E-03	3.32E-03	1.66E-03	1.61E-03	3.27E-03
2826	490119.73, 3859155.34	0.03928	0.03804	6.15E-03	6.21E-03	5.80E-03	5.94E-03	5.60E-03	1.63E-03	1.58E-03	3.21E-03	1.59E-03	1.54E-03	3.13E-03	1.57E-03	1.52E-03	3.09E-03
2827	490269.73, 3859155.34	0.03361	0.03246	5.27E-03	5.30E-03	4.96E-03	5.08E-03	4.79E-03	1.39E-03	1.35E-03	2.74E-03	1.36E-03	1.31E-03	2.67E-03	1.34E-03	1.30E-03	2.64E-03
2828	490319.73, 3859155.34	0.03165	0.03055	4.96E-03	4.99E-03	4.67E-03	4.78E-03	4.51E-03	1.31E-03	1.27E-03	2.58E-03	1.28E-03	1.24E-03	2.52E-03	1.26E-03	1.22E-03	2.48E-03
2829	490069.73, 3859205.34	0.04678	0.04564	7.33E-03	7.45E-03	6.90E-03	7.07E-03	6.67E-03	1.94E-03	1.89E-03	3.83E-03	1.89E-03	1.85E-03	3.74E-03	1.87E-03	1.82E-03	3.69E-03
2830	490119.73, 3859205.34	0.04414	0.043	6.91E-03	7.02E-03	6.51E-03	6.67E-03	6.29E-03	1.83E-03	1.78E-03	3.62E-03	1.79E-03	1.74E-03	3.53E-03	1.76E-03	1.72E-03	3.48E-03
2831	490169.73, 3859205.34	0.04155	0.04043	6.51E-03	6.60E-03	6.13E-03	6.28E-03	5.92E-03	1.72E-03	1.68E-03	3.40E-03	1.68E-03	1.64E-03	3.32E-03	1.66E-03	1.62E-03	3.27E-03
2832	490219.73, 3859205.34	0.03888	0.03778	6.09E-03	6.17E-03	5.74E-03	5.88E-03	5.54E-03	1.61E-03	1.57E-03	3.18E-03	1.57E-03	1.53E-03	3.10E-03	1.55E-03	1.51E-03	3.06E-03
2833	490269.73, 3859205.34	0.03629	0.03523	5.68E-03	5.75E-03	5.36E-03	5.49E-03	5.17E-03	1.51E-03	1.46E-03	2.97E-03	1.47E-03	1.43E-03	2.90E-03	1.45E-03	1.41E-03	2.86E-03
2834	490319.73, 3859205.34	0.03427	0.03324	5.37E-03	5.43E-03	5.06E-03	5.18E-03	4.89E-03	1.42E-03	1.38E-03	2.80E-03	1.39E-03	1.35E-03	2.73E-03	1.37E-03	1.33E-03	2.70E-03
2835	490069.73, 3859255.34	0.05304	0.0521	8.31E-03	8.50E-03	7.83E-03	8.02E-03	7.56E-03	2.20E-03	2.16E-03	4.36E-03	2.15E-03	2.11E-03	4.26E-03	2.12E-03	2.08E-03	4.20E-03
2836	490119.73, 3859255.34	0.04957	0.04861	7.77E-03	7.93E-03	7.32E-03	7.49E-03	7.07E-03	2.06E-03	2.02E-03	4.07E-03	2.01E-03	1.97E-03	3.97E-03	1.98E-03	1.94E-03	3.92E-03
2837	490169.73, 3859255.34	0.04637	0.0454	7.26E-03	7.41E-03	6.84E-03	7.01E-03	6.61E-03	1.92E-03	1.88E-03	3.81E-03	1.88E-03	1.84E-03	3.72E-03	1.85E-03	1.81E-03	3.67E-03
2838	490219.73, 3859255.34	0.04316	0.04218	6.76E-03	6.88E-03	6.37E-03	6.52E-03	6.15E-03	1.79E-03	1.75E-03	3.54E-03	1.75E-03	1.71E-03	3.45E-03	1.72E-03	1.68E-03	3.41E-03
2839	490269.73, 3859255.34	0.04021	0.03925	6.30E-03	6.41E-03	5.93E-03	6.08E-03	5.73E-03	1.67E-03	1.63E-03	3.30E-03	1.63E-03	1.59E-03	3.22E-03	1.61E-03	1.57E-03	3.17E-03
2840	490319.73, 3859255.34	0.03774	0.0368	5.91E-03	6.01E-03	5.57E-03	5.70E-03	5.38E-03	1.57E-03	1.53E-03	3.09E-03	1.53E-03	1.49E-03	3.02E-03	1.51E-03	1.47E-03	2.98E-03
2841	490069.73, 3859305.34	0.06139	0.06076	9.62E-03	9.92E-03	9.06E-03	9.28E-03	8.75E-03	2.55E-03	2.52E-03	5.07E-03	2.49E-03	2.46E-03	4.95E-03	2.45E-03	2.43E-03	4.88E-03
2842	490119.73, 3859305.34	0.0568	0.05609	8.90E-03	9.16E-03	8.38E-03	8.59E-03	8.10E-03	2.36E-03	2.33E-03	4.68E-03	2.30E-03	2.27E-03	4.57E-03	2.27E-03	2.24E-03	4.51E-03
2843	490169.73, 3859305.34	0.05263	0.05186	8.24E-03	8.47E-03	7.77E-03	7.96E-03	7.50E-03	2.18E-03	2.15E-03	4.34E-03	2.13E-03	2.10E-03	4.23E-03	2.10E-03	2.07E-03	4.17E-03
2844	490219.73, 3859305.34	0.04877	0.04796	7.64E-03	7.83E-03	7.20E-03	7.37E-03	6.95E-03	2.02E-03	1.99E-03	4.01E-03	1.97E-03	1.94E-03	3.92E-03	1.95E-03	1.92E-03	3.86E-03
2845	490269.73, 3859305.34	0.04526	0.04442	7.09E-03	7.25E-03	6.68E-03	6.84E-03	6.45E-03	1.88E-03	1.84E-03	3.72E-03	1.83E-03	1.80E-03	3.63E-03	1.81E-03	1.77E-03	3.58E-03
2846	490319.73, 3859305.34	0.04199	0.04116	6.58E-03	6.72E-03	6.20E-03	6.35E-03	5.99E-03	1.74E-03	1.71E-03	3.45E-03	1.70E-03	1.67E-03	3.37E-03	1.68E-03	1.64E-03	3.32E-03
2847	490069.73, 3859355.34	0.07341	0.07316	1.15E-02	1.19E-02	1.08E-02	1.11E-02	1.05E-02	3.05E-03	3.04E-03	6.08E-03	2.97E-03	2.96E-03	5.93E-03	2.93E-03	2.92E-03	5.86E-03
2848	490119.73, 3859355.34	0.06689	0.0665	1.05E-02	1.09E-02	9.87E-03	1.01E-02	9.54E-03	2.78E-03	2.76E-03	5.53E-03	2.71E-03	2.69E-03	5.40E-03	2.67E-03	2.66E-03	5.33E-03
2849	490169.73, 3859355.34	0.06121	0.0607	9.59E-03	9.91E-03	9.03E-03	9.25E-03	8.73E-03	2.54E-03	2.52E-03	5.06E-03	2.48E-03	2.46E-03	4.94E-03	2.45E-03	2.42E-03	4.87E-03
2850	490219.73, 3859355.34	0.05609	0.05549	8.79E-03	9.06E-03	8.28E-03	8.48E-03	8.00E-03	2.33E-03	2.30E-03	4.63E-03	2.27E-03	2.25E-03	4.52E-03	2.24E-03	2.22E-03	4.46E-03
2851	490269.73, 3859355.34	0.0518	0.05114	8.11E-03	8.35E-03	7.65E-03	7.83E-03	7.39E-03	2.15E-03	2.12E-03	4.27E-03	2.10E-03	2.07E-03	4.17E-03	2.07E-03	2.04E-03	4.11E-03
2852	490319.73, 3859355.34	0.04781	0.04711	7.49E-03	7.69E-03	7.06E-03	7.23E-03	6.82E-03	1.98E-03	1.95E-03	3.94E-03	1.94E-03	1.91E-03	3.84E-03	1.91E-03	1.88E-03	3.79E-03
2853	490069.73, 3859405.34	0.09105	0.09129	1.43E-02	1.49E-02	1.34E-02	1.38E-02	1.30E-02	3.78E-03	3.79E-03	7.56E-03	3.69E-03	3.70E-03	7.38E-03	3.64E-03	3.65E-03	7.28E-03
2854	490119.73, 3859405.34	0.08113	0.08112	1.27E-02	1.32E-02	1.20E-02	1.23E-02	1.16E-02	3.37E-03	3.37E-03	6.73E-03	3.28E-03	3.28E-03	6.57E-03	3.24E-03	3.24E-03	6.48E-03
2855	490169.73, 3859405.34	0.07302	0.07283	1.14E-02	1.19E-02	1.08E-02	1.10E-02	1.04E-02	3.03E-03	3.02E-03	6.05E-03	2.96E-03	2.95E-03	5.90E-03	2.92E-03	2.91E-03	5.83E-03
2856	490219.73, 3859405.34	0.06629	0.06596	1.04E-02	1.08E-02	9.78E-03	1.00E-02	9.45E-03	2.75E-03	2.74E-03	5.49E-03	2.68E-03	2.67E-03	5.35E-03	2.65E-03	2.63E-03	5.28E-03
2857	490269.73, 3859405.34	0.06037	0.05992	9.46E-03	9.78E-03	8.91E-03	9.13E-03	8.61E-03	2.50E-03	2.49E-03	4.99E-03	2.44E-03	2.43E-03	4.87E-03	2.41E-03	2.39E-03	4.81E-03
2858	490319.73, 3859405.34	0.05532	0.05481	8.67E-03	8.95E-03	8.16E-03	8.36E-03	7.89E-03	2.30E-03	2.27E-03	4.57E-03	2.24E-03	2.22E-03	4.46E-03	2.21E-03	2.19E-03	4.40E-03
2859	490161.89, 3859541.83	0.16559	0.16566	2.59E-02	2.70E-02	2.44E-02	2.50E-02	2.36E-02	6.87E-03	6.87E-03	1.37E-02	6.70E-03	6.71E-03	1.34E-02	6.61E-03	6.62E-03	1.32E-02
2860	490171.89, 3859541.83	0.15976	0.15982	2.50E-02	2.61E-02	2.36E-02	2.41E-02	2.28E-02	6.63E-03	6.63E-03	1.33E-02	6.47E-03	6.47E-03	1.29E-02	6.38E-03	6.38E-03	1.28E-02
2861	490161.89, 3859551.83	0.18291	0.18288	2.87E-02	2.99E-02	2.70E-02	2.76E-02	2.61E-02	7.59E-03	7.59E-03	1.52E-02	7.40E-03	7.40E-03	1.48E-02	7.31E-03	7.31E-03	1.46E-02
2862	490171.89, 3859551.83	0.17593	0.17594	2.76E-02	2.87E-02	2.60E-02	2.66E-02	2.51E-02	7.30E-03	7.30E-03	1.46E-02	7.12E-03	7.12E-03	1.42E-02	7.03E-03	7.03E-03	1.41E-02
2863	489799.72, 3859348.21	0.15537	0.15819	2.43E-02	2.58E-02	2.29E-02	2.35E-02	2.22E-02	6.45E-03	6.56E-03	1.30E-02	6.29E-03	6.40E-03	1.27E-02	6.21E-03	6.32E-03	1.25E-02
2864	489819.72, 3859348.21	0.14292	0.14513	2.24E-02	2.37E-02	2.11E-02	2.16E-02	2.04E-02	5.93E-03	6.02E-03	1.20E-02	5.79E-03	5.88E-03	1.17E-02	5.71E-03	5.80E-03	1.15E-02
2865	489799.72, 3859368.21	0.18468	0.189	2.89E-02	3.09E-02	2.73E-02	2.79E-02	2.63E-02	7.66E-03	7.84E-03	1.55E-02	7.48E-03	7.65E-03	1.51E-02	7.38E-03	7.55E-03	1.49E-02
2866	489819.72, 3859368.21	0.16742	0.17085	2.62E-02	2.79E-02	2.47E-02	2.53E-02	2.39E-02	6.95E-03	7.09E-03	1.40E-02	6.78E-03	6.92E-03	1.37E-02	6.69E-03	6.82E-03	1.35E-02
2867	489775.41, 3859329.72	0.14938	0.15185	2.34E-02	2.48E-02	2.20E-02	2.26E-02	2.13E-02	6.20E-03	6.30E-03	1.25E-02	6.05E-03	6.15E-03	1.22E-02	5.97E-03	6.07E-03	1.20E-02
2868	489795.41, 3859329.72	0.13776	0.13969	2.16E-02	2.28E-02	2.03E-02	2.08E-02	1.96E-02	5.72E-03	5.80E-03	1.15E-02	5.58E-03	5.66E-03	1.12E-02	5.50E-03	5.58E-03	1.11E-02
2869	489775.41, 3859349.72	0.1762	0.1801	2.76E-02	2.94E-02	2.60E-02	2.66E-02	2.51E-02	7.31E-03	7.47E-03	1.48E-02	7.13E-03	7.29E-03	1.44E-02	7.04E-03	7.19E-03	1.42E-02
2870	489795.41, 3859349.72	0.16031	0.16338	2.51E-02	2.67E-02	2.37E-02	2.42E-02	2.29E-02	6.65E-03	6.78E-03	1.34E-02	6.49E-03	6.61E-03	1.31E-02	6.40E-03	6.53E-03	1.29E-02
2871	489595.05, 3859219.43	0.13746	0.13934	2.15E-02	2.27E-02	2.03E-02	2.08E-02	1.96E-02	5.70E-03	5.78E-03	1.15E-02	5.56E-03	5.64E-03	1.12E-02	5.49E-03	5.57E-03	1.11E-02
2872	489615.05, 3859219.43	0.12728	0.12857	1.99E-02	2.10E-02	1.88E-02	1.92E-02	1.81E-02	5.28E-03	5.33E-03	1.06E-02	5.15E-03	5.21E-03	1.04E-02	5.08E-03	5.14E-03	1.02E-02
2873	489595.05, 3859239.43	0.1602	0.163	2.51E-02	2.66E-02	2.36E-02	2.42E-02	2.28E-02	6.65E-03	6.76E-03	1.34E-02	6.49E-03	6.60E-03	1.31E-02	6.40E-03	6.51E-03	1.29E-02
2874	489615.05, 3859239.43	0.14671	0.14877	2.30E-02	2.43E-02	2.17E-02	2.22E-02	2.09E-02	6.09E-03	6.17E-03	1.23E-02	5.94E-03	6.02E-03	1.20E-02	5.86E-03	5.94E-03	1.18E-02
2875	489372.4, 3859092.58	0.13344	0.1395	2.09E-02	2.28E-02	1.97E-02	2.02E-02	1.90E-02	5.54E-03	5.79E-03	1.13E-02	5.40E-03	5.65E-03	1.10E-02	5.33E-03	5.57E-03	1.09E-02
2876	489422.4, 3859092.58	0.11205	0.11504	1.76E-02	1.88E-02	1.65E-02	1.69E-02	1.60E-02	4.65E-03	4.77E-03	9.42E-03	4.54E-03	4.66E-03	9.19E-03	4.48E-03	4.60E-03	9.07E-03
2877	489372.4, 3859142.58	0.20184	0.21796	3.16E-02	3.56E-02	2.98E-02	3.05E-02	2.88E-02	8.37E-03	9.04E-03	1.74E-02	8.17E-03	8.82E-03	1.70E-02	8.06E-03	8.71E-03	1.68E-02
2878	489422.4, 3859142.58	0.15784	0.1657	2.47E-02	2.70E-02	2.33E-02	2.39E-02	2.25E-02	6.55E-03	6.87E-03	1.34E-02	6.39E-03	6.71E-03	1.31E-02	6.31E-03	6.62E-03	1.29E-02
2879	488870.84, 3858666.64	0.06541	0.085	1.02E-02	1.39E-02	9.65E-03	9.89E-03	9.33E-03	2.71E-03	3.53E-03	6.24E-03	2.65E-03	3.44E-03	6.09E-03	2.61E-03	3.40E-03	6.01E-03
2880	488900.84, 3858666.64	0.06197	0.07771	9.71E-03	1.27E-02	9.15E-03	9.37E-03	8.84E-03	2.57E-03	3.22E-03	5.80E-03	2.51E-03	3.15E-03	5.65E-03	2.48E-03	3.10E-03	5.58E-03
2881	488870.84, 3858696.64	0.07282	0.0966	1.14E-02	1.58E-02	1.07E-02	1.10E-02	1.04E-02	3.02E-03	4.01E-03	7.03E-03	2.95E-03	3.91E-03	6.86E-03	2.91E-03	3.86E-03	6.77E-03
2882	488900.84, 3858696.64	0.06855	0.08743	1.07E-02	1.43E-02	1.01E-02	1.04E-02	9.77E-03	2.84E-03	3.63E-03	6.47E-03	2.78E-03	3.54E-03	6.31E-03	2.74E-03	3.49E-03	6.23E-03
2883	488889.67, 3858683.97	0.06697	0.08584	1.05E-02	1.40E-02	9.88E-03	1.01E-02	9.55E-03	2.78E-03	3.56E-03	6.34E-03	2.71E-03	3.48E-03	6.19E-03	2.68E-03	3.43E-03	6.10E-03
2884	488919.67, 3858683.97	0.0634	0.07858	9.93E-03	1.28E-02	9.36E-03	9.58E-03	9.04E-03	2.63E-03	3.26E-03	5.89E-03	2.57E-03	3.18E-03	5.75E-03	2.53E-03	3.14E-03	5.67E-03
2885	488889.67, 3858713.97	0.07478	0.09821	1.17E-02	1.60E-02	1.10E-02	1.13E-02	1.07E-02	3.10E-03	4.07E-03	7.18E-03	3.03E-03	3.98E-03	7.00E-03	2.99E-03	3.92E-03	6.91E-03
2886	488919.67, 3858713.97	0.07029	0.08888	1.10E-02	1.45E-02	1.04E-02	1.06E-02	1.00E-02	2.92E-03	3.69E-03	6.60E-03	2.85E-03	3.60E-03	6.44E-03	2.81E-03	3.55E-03	6.36E-03
2887	488906.61, 3858703.33	0.06942	0.08839	1.09E-02	1.44E-02	1.02E-02	1.05E-02	9.90E-03	2.88E-03	3.67E-03	6.55E-03	2.81E-03	3.58E-03	6.39E-03	2.77E-03	3.53E-03	6.30E-03
2888	488936.61, 3858703.33	0.06552	0.0807	1.03E-02	1.32E-02	9.67E-03	9.90E-03	9.34E-03	2.72E-03	3.35E-03	6.07E-03	2.65E-03	3.27E-03	5.92E-03	2.62E-03	3.22E-03	5.84E-03
2889	488906.61, 3858733.33	0.0777	0.10182	1.22E-02	1.66E-02	1.15E-02	1.17E-02	1.11E-02	3.22E-03	4.22E-03	7.45E-03	3.15E-03	4.12E-03	7.27E-03	3.10E-03	4.07E-03	7.17E-03
2890	488936.61, 3858733.33	0.0729	0.09195	1.14E-02	1.50E-02	1.08E-02	1.10E-02	1.04E-02	3.02E-03	3.81E-03	6.84E-03	2.95E-03	3.72E-03	6.67E-03	2.91E-03	3.67E-03	6.59E-03
2891	488637.63, 3858467.85	0.05289	0.08875	8.29E-03	1.45E-02	7.81E-03	7.99E-03	7.54E-03	2.19E-03	3.68E-03	5.88E-03	2.14E-03	3.59E-03	5.73E-03	2.11E-03	3.55E-03	5.66E-03
2892	488662.63, 3858467.85	0.05106	0.08163	8.00E-03	1.33E-02	7.54E-03	7.72E-03	7.28E-03	2.12E-03	3.39E-03	5.51E-03	2.07E-03	3.30E-03	5.37E-03	2.04E-03	3.26E-03	5.30E-03
2893	488637.63, 3858492.85	0.05675	0.09817	8.89E-03	1.60E-02	8.38E-03	8.58E-03	8.09E-03	2.35E-03	4.07E-03	6.43E-03	2.30E-03	3.97E-03	6.27E-03	2.27E-03	3.92E-03	6.19E-03
2894	488662.63, 3858492.85	0.05461	0.08945	8.55E-03	1.46E-02	8.06E-03	8.25E-03	7.79E-03	2.27E-03	3.71E-03	5.98E-03	2.21E-03	3.62E-03	5.83E-03	2.18E-03	3.57E-03	5.75E-03
2895	488687.63, 3858492.85	0.05259	0.08211	8.24E-03	1.34E-02	7.76E-03	7.95E-03	7.50E-03	2.18E-03	3.41E-03	5.59E-03	2.13E-03	3.32E-03	5.45E-03	2.10E-03	3.28E-03	5.38E-03
2896	488637.63, 3858517.85	0.06127	0.10993	9.60E-03	1.79E-02	9.04E-03	9.26E-03	8.74E-03	2.54E-03	4.56E-03	7.10E-03	2.48E-03	4.45E-03	6.93E-03	2.45E-03	4.39E-03	6.84E-03

2897	488662.63, 3858517.85	0.05874	0.09903	9.20E-03	1.62E-02	8.67E-03	8.88E-03	8.38E-03	2.44E-03	4.11E-03	6.55E-03	2.38E-03	4.01E-03	6.39E-03	2.35E-03	3.96E-03	6.30E-03
2898	488687.63, 3858517.85	0.05643	0.09016	8.84E-03	1.47E-02	8.33E-03	8.53E-03	8.05E-03	2.34E-03	3.74E-03	6.08E-03	2.28E-03	3.65E-03	5.93E-03	2.25E-03	3.60E-03	5.86E-03
2899	488194.42, 3857168.98	0.01386	0.02165	2.17E-03	3.53E-03	2.05E-03	2.10E-03	1.98E-03	5.75E-04	8.98E-04	1.47E-03	5.61E-04	8.76E-04	1.44E-03	5.54E-04	8.65E-04	1.42E-03
2900	488244.42, 3857168.98	0.01377	0.02089	2.16E-03	3.41E-03	2.03E-03	2.08E-03	1.96E-03	5.71E-04	8.67E-04	1.44E-03	5.57E-04	8.46E-04	1.40E-03	5.50E-04	8.34E-04	1.38E-03
2901	488294.42, 3857168.98	0.01363	0.02019	2.14E-03	3.30E-03	2.01E-03	2.06E-03	1.94E-03	5.65E-04	8.38E-04	1.40E-03	5.52E-04	8.17E-04	1.37E-03	5.44E-04	8.07E-04	1.35E-03
2902	488244.42, 3857218.98	0.01413	0.02169	2.21E-03	3.54E-03	2.09E-03	2.14E-03	2.01E-03	5.86E-04	9.00E-04	1.49E-03	5.72E-04	8.78E-04	1.45E-03	5.64E-04	8.66E-04	1.43E-03
2903	488294.42, 3857218.98	0.014	0.02093	2.19E-03	3.42E-03	2.07E-03	2.12E-03	2.00E-03	5.81E-04	8.68E-04	1.45E-03	5.67E-04	8.47E-04	1.41E-03	5.59E-04	8.36E-04	1.40E-03
2904	488294.42, 3857268.98	0.01443	0.02172	2.26E-03	3.55E-03	2.13E-03	2.18E-03	2.06E-03	5.99E-04	9.01E-04	1.50E-03	5.84E-04	8.79E-04	1.46E-03	5.76E-04	8.68E-04	1.44E-03
2905	488139.13, 3857111.68	0.0136	0.02158	2.13E-03	3.52E-03	2.01E-03	2.06E-03	1.94E-03	5.64E-04	8.95E-04	1.46E-03	5.51E-04	8.74E-04	1.42E-03	5.43E-04	8.62E-04	1.41E-03
2906	488189.13, 3857111.68	0.01353	0.02081	2.12E-03	3.40E-03	2.00E-03	2.05E-03	1.93E-03	5.61E-04	8.63E-04	1.42E-03	5.48E-04	8.42E-04	1.39E-03	5.40E-04	8.31E-04	1.37E-03
2907	488189.13, 3857161.68	0.01383	0.02161	2.17E-03	3.53E-03	2.04E-03	2.09E-03	1.97E-03	5.74E-04	8.97E-04	1.47E-03	5.60E-04	8.75E-04	1.43E-03	5.52E-04	8.63E-04	1.42E-03
2908	487951.04, 3856961.26	0.01315	0.02204	2.06E-03	3.60E-03	1.94E-03	1.99E-03	1.87E-03	5.46E-04	9.14E-04	1.46E-03	5.32E-04	8.92E-04	1.42E-03	5.25E-04	8.80E-04	1.41E-03
2909	488001.04, 3856961.26	0.01302	0.02126	2.04E-03	3.47E-03	1.92E-03	1.97E-03	1.86E-03	5.40E-04	8.82E-04	1.42E-03	5.27E-04	8.61E-04	1.39E-03	5.20E-04	8.49E-04	1.37E-03
2910	488051.04, 3856961.26	0.01284	0.02055	2.01E-03	3.35E-03	1.90E-03	1.94E-03	1.83E-03	5.33E-04	8.53E-04	1.39E-03	5.20E-04	8.32E-04	1.35E-03	5.13E-04	8.21E-04	1.33E-03
2911	488101.04, 3856961.26	0.01279	0.01987	2.00E-03	3.24E-03	1.89E-03	1.93E-03	1.82E-03	5.31E-04	8.24E-04	1.35E-03	5.18E-04	8.04E-04	1.32E-03	5.11E-04	7.94E-04	1.30E-03
2912	487951.04, 3857011.26	0.01353	0.02294	2.12E-03	3.74E-03	2.00E-03	2.05E-03	1.93E-03	5.61E-04	9.52E-04	1.51E-03	5.48E-04	9.29E-04	1.48E-03	5.40E-04	9.16E-04	1.46E-03
2913	488001.04, 3857011.26	0.01332	0.0221	2.09E-03	3.61E-03	1.97E-03	2.01E-03	1.90E-03	5.53E-04	9.17E-04	1.47E-03	5.39E-04	8.95E-04	1.43E-03	5.32E-04	8.83E-04	1.41E-03
2914	488051.04, 3857011.26	0.01314	0.02131	2.06E-03	3.48E-03	1.94E-03	1.99E-03	1.87E-03	5.45E-04	8.84E-04	1.43E-03	5.32E-04	8.63E-04	1.39E-03	5.25E-04	8.51E-04	1.38E-03
2915	488101.04, 3857011.26	0.01308	0.02057	2.05E-03	3.36E-03	1.93E-03	1.98E-03	1.87E-03	5.43E-04	8.53E-04	1.40E-03	5.30E-04	8.33E-04	1.36E-03	5.23E-04	8.22E-04	1.34E-03
2916	488001.04, 3857061.26	0.01368	0.02299	2.14E-03	3.75E-03	2.02E-03	2.07E-03	1.95E-03	5.68E-04	9.54E-04	1.52E-03	5.54E-04	9.31E-04	1.48E-03	5.46E-04	9.18E-04	1.46E-03
2917	488051.04, 3857061.26	0.01353	0.02213	2.12E-03	3.61E-03	2.00E-03	2.05E-03	1.93E-03	5.61E-04	9.18E-04	1.48E-03	5.48E-04	8.96E-04	1.44E-03	5.40E-04	8.84E-04	1.42E-03
2918	488101.04, 3857061.26	0.01341	0.02134	2.10E-03	3.48E-03	1.98E-03	2.03E-03	1.91E-03	5.56E-04	8.85E-04	1.44E-03	5.43E-04	8.64E-04	1.41E-03	5.36E-04	8.52E-04	1.39E-03
2919	487638.98, 3856673.79	0.01217	0.02224	1.91E-03	3.63E-03	1.80E-03	1.84E-03	1.74E-03	5.05E-04	9.23E-04	1.43E-03	4.93E-04	9.00E-04	1.39E-03	4.86E-04	8.88E-04	1.37E-03
2920	487688.98, 3856673.79	0.01204	0.02144	1.89E-03	3.50E-03	1.78E-03	1.82E-03	1.72E-03	5.00E-04	8.89E-04	1.39E-03	4.87E-04	8.68E-04	1.36E-03	4.81E-04	8.56E-04	1.34E-03
2921	487638.98, 3856723.79	0.01249	0.02315	1.96E-03	3.78E-03	1.84E-03	1.89E-03	1.78E-03	5.18E-04	9.60E-04	1.48E-03	5.06E-04	9.37E-04	1.44E-03	4.99E-04	9.25E-04	1.42E-03
2922	487688.98, 3856723.79	0.01235	0.02227	1.93E-03	3.64E-03	1.82E-03	1.87E-03	1.76E-03	5.12E-04	9.24E-04	1.44E-03	5.00E-04	9.02E-04	1.40E-03	4.93E-04	8.90E-04	1.38E-03
2923	486324.61, 3855740.57	0.01081	0.02758	1.69E-03	4.50E-03	1.60E-03	1.63E-03	1.54E-03	4.48E-04	1.14E-03	1.59E-03	4.38E-04	1.12E-03	1.55E-03	4.32E-04	1.10E-03	1.53E-03
2924	486374.61, 3855740.57	0.01047	0.02577	1.64E-03	4.21E-03	1.55E-03	1.58E-03	1.49E-03	4.34E-04	1.07E-03	1.50E-03	4.24E-04	1.04E-03	1.47E-03	4.18E-04	1.03E-03	1.45E-03
2925	486424.61, 3855740.57	0.01027	0.02451	1.61E-03	4.00E-03	1.52E-03	1.55E-03	1.46E-03	4.26E-04	1.02E-03	1.44E-03	4.16E-04	9.92E-04	1.41E-03	4.10E-04	9.79E-04	1.39E-03
2926	486324.61, 3855790.57	0.01106	0.02908	1.73E-03	4.75E-03	1.63E-03	1.67E-03	1.58E-03	4.59E-04	1.21E-03	1.67E-03	4.48E-04	1.18E-03	1.63E-03	4.42E-04	1.16E-03	1.60E-03
2927	486374.61, 3855790.57	0.01073	0.02713	1.68E-03	4.43E-03	1.58E-03	1.62E-03	1.53E-03	4.45E-04	1.13E-03	1.57E-03	4.34E-04	1.10E-03	1.53E-03	4.29E-04	1.08E-03	1.51E-03
2928	486424.61, 3855790.57	0.01057	0.02588	1.66E-03	4.22E-03	1.56E-03	1.60E-03	1.51E-03	4.39E-04	1.07E-03	1.51E-03	4.28E-04	1.05E-03	1.48E-03	4.22E-04	1.03E-03	1.46E-03
2929	486324.61, 3855840.57	0.01132	0.0308	1.77E-03	5.03E-03	1.67E-03	1.71E-03	1.61E-03	4.70E-04	1.28E-03	1.75E-03	4.58E-04	1.25E-03	1.71E-03	4.52E-04	1.23E-03	1.68E-03
2930	486374.61, 3855840.57	0.01111	0.0291	1.74E-03	4.75E-03	1.64E-03	1.68E-03	1.58E-03	4.61E-04	1.21E-03	1.67E-03	4.50E-04	1.18E-03	1.63E-03	4.44E-04	1.16E-03	1.61E-03
2931	486424.61, 3855840.57	0.01088	0.02747	1.70E-03	4.48E-03	1.61E-03	1.64E-03	1.55E-03	4.51E-04	1.14E-03	1.59E-03	4.40E-04	1.11E-03	1.55E-03	4.35E-04	1.10E-03	1.53E-03
2932	486324.61, 3855890.57	0.01173	0.03335	1.84E-03	5.44E-03	1.73E-03	1.77E-03	1.67E-03	4.87E-04	1.38E-03	1.87E-03	4.75E-04	1.35E-03	1.83E-03	4.69E-04	1.33E-03	1.80E-03
2933	486374.61, 3855890.57	0.01149	0.03127	1.80E-03	5.10E-03	1.70E-03	1.74E-03	1.64E-03	4.77E-04	1.30E-03	1.77E-03	4.65E-04	1.27E-03	1.73E-03	4.59E-04	1.25E-03	1.71E-03
2934	486424.61, 3855890.57	0.01122	0.02935	1.76E-03	4.79E-03	1.66E-03	1.70E-03	1.60E-03	4.65E-04	1.22E-03	1.68E-03	4.54E-04	1.19E-03	1.64E-03	4.48E-04	1.17E-03	1.62E-03
2935	488735.69, 3858285.64	0.0327	0.04398	5.12E-03	7.18E-03	4.83E-03	4.94E-03	4.66E-03	1.36E-03	1.82E-03	3.18E-03	1.32E-03	1.78E-03	3.10E-03	1.31E-03	1.76E-03	3.06E-03
2936	488765.69, 3858285.64	0.0319	0.04193	5.00E-03	6.84E-03	4.71E-03	4.82E-03	4.55E-03	1.32E-03	1.74E-03	3.06E-03	1.29E-03	1.70E-03	2.99E-03	1.27E-03	1.67E-03	2.95E-03
2937	488735.69, 3858315.64	0.03432	0.04648	5.38E-03	7.59E-03	5.07E-03	5.19E-03	4.89E-03	1.42E-03	1.93E-03	3.35E-03	1.39E-03	1.88E-03	3.27E-03	1.37E-03	1.86E-03	3.23E-03
2938	488765.69, 3858315.64	0.03342	0.04417	5.24E-03	7.21E-03	4.93E-03	5.05E-03	4.77E-03	1.39E-03	1.83E-03	3.22E-03	1.35E-03	1.79E-03	3.14E-03	1.34E-03	1.76E-03	3.10E-03
2939	478676.63, 3849871.93	0.03901	0.0392	6.11E-03	6.40E-03	5.76E-03	5.90E-03	5.56E-03	1.62E-03	1.63E-03	3.24E-03	1.58E-03	1.59E-03	3.17E-03	1.56E-03	1.57E-03	3.12E-03
2940	479326.63, 3849871.93	0.02336	0.02345	3.66E-03	3.83E-03	3.45E-03	3.53E-03	3.33E-03	9.69E-04	9.73E-04	1.94E-03	9.46E-04	9.49E-04	1.90E-03	9.33E-04	9.37E-04	1.87E-03
2941	479376.63, 3849871.93	0.02265	0.02275	3.55E-03	3.71E-03	3.34E-03	3.42E-03	3.23E-03	9.40E-04	9.44E-04	1.88E-03	9.17E-04	9.21E-04	1.84E-03	9.05E-04	9.09E-04	1.81E-03
2942	479426.63, 3849871.93	0.0221	0.0222	3.46E-03	3.62E-03	3.26E-03	3.34E-03	3.15E-03	9.17E-04	9.21E-04	1.84E-03	8.95E-04	8.99E-04	1.79E-03	8.83E-04	8.87E-04	1.77E-03
2943	478726.63, 3849921.93	0.04108	0.04126	6.44E-03	6.73E-03	6.06E-03	6.21E-03	5.86E-03	1.70E-03	1.71E-03	3.42E-03	1.66E-03	1.67E-03	3.33E-03	1.64E-03	1.65E-03	3.29E-03
2944	478776.63, 3849921.93	0.03911	0.03927	6.13E-03	6.41E-03	5.77E-03	5.91E-03	5.58E-03	1.62E-03	1.63E-03	3.25E-03	1.58E-03	1.59E-03	3.17E-03	1.56E-03	1.57E-03	3.13E-03
2945	478826.63, 3849921.93	0.03727	0.03743	5.84E-03	6.11E-03	5.50E-03	5.63E-03	5.31E-03	1.55E-03	1.55E-03	3.10E-03	1.51E-03	1.52E-03	3.02E-03	1.49E-03	1.50E-03	2.98E-03
2946	478976.63, 3849921.93	0.03267	0.03279	5.12E-03	5.35E-03	4.82E-03	4.94E-03	4.66E-03	1.36E-03	1.36E-03	2.72E-03	1.32E-03	1.33E-03	2.65E-03	1.31E-03	1.31E-03	2.61E-03
2947	479026.63, 3849921.93	0.03152	0.03163	4.94E-03	5.16E-03	4.65E-03	4.76E-03	4.49E-03	1.31E-03	1.31E-03	2.62E-03	1.28E-03	1.28E-03	2.56E-03	1.26E-03	1.26E-03	2.52E-03
2948	479076.63, 3849921.93	0.03035	0.03045	4.75E-03	4.97E-03	4.48E-03	4.59E-03	4.33E-03	1.26E-03	1.26E-03	2.52E-03	1.23E-03	1.23E-03	2.46E-03	1.21E-03	1.22E-03	2.43E-03
2949	479126.63, 3849921.93	0.02921	0.02931	4.58E-03	4.78E-03	4.31E-03	4.42E-03	4.16E-03	1.21E-03	1.22E-03	2.43E-03	1.18E-03	1.19E-03	2.37E-03	1.17E-03	1.17E-03	2.34E-03
2950	479176.63, 3849921.93	0.02822	0.02831	4.42E-03	4.62E-03	4.16E-03	4.27E-03	4.02E-03	1.17E-03	1.17E-03	2.35E-03	1.14E-03	1.15E-03	2.29E-03	1.13E-03	1.13E-03	2.26E-03
2951	479226.63, 3849921.93	0.02706	0.02715	4.24E-03	4.43E-03	3.99E-03	4.09E-03	3.86E-03	1.12E-03	1.13E-03	2.25E-03	1.10E-03	1.10E-03	2.19E-03	1.08E-03	1.08E-03	2.17E-03
2952	479276.63, 3849921.93	0.02566	0.02574	4.02E-03	4.20E-03	3.79E-03	3.88E-03	3.66E-03	1.06E-03	1.07E-03	2.13E-03	1.04E-03	1.04E-03	2.08E-03	1.03E-03	1.03E-03	2.05E-03
2953	479326.63, 3849921.93	0.02536	0.02545	3.97E-03	4.15E-03	3.74E-03	3.83E-03	3.62E-03	1.05E-03	1.06E-03	2.11E-03	1.03E-03	1.03E-03	2.06E-03	1.01E-03	1.02E-03	2.03E-03
2954	479376.63, 3849921.93	0.0241	0.02419	3.78E-03	3.95E-03	3.56E-03	3.64E-03	3.44E-03	1.00E-03	1.00E-03	2.00E-03	9.76E-04	9.79E-04	1.95E-03	9.63E-04	9.66E-04	1.93E-03
2955	479426.63, 3849921.93	0.02369	0.02378	3.71E-03	3.88E-03	3.50E-03	3.58E-03	3.38E-03	9.83E-04	9.87E-04	1.97E-03	9.59E-04	9.63E-04	1.92E-03	9.46E-04	9.50E-04	1.90E-03
2956	478726.63, 3849971.93	0.0458	0.04596	7.17E-03	7.50E-03	6.76E-03	6.92E-03	6.53E-03	1.90E-03	1.91E-03	3.81E-03	1.85E-03	1.86E-03	3.71E-03	1.83E-03	1.84E-03	3.67E-03
2957	478776.63, 3849971.93	0.04334	0.0435	6.79E-03	7.10E-03	6.40E-03	6.55E-03	6.18E-03	1.80E-03	1.80E-03	3.60E-03	1.75E-03	1.76E-03	3.52E-03	1.73E-03	1.74E-03	3.47E-03
2958	478826.63, 3849971.93	0.0411	0.04125	6.44E-03	6.73E-03	6.07E-03	6.21E-03	5.86E-03	1.71E-03	1.71E-03	3.42E-03	1.66E-03	1.67E-03	3.33E-03	1.64E-03	1.65E-03	3.29E-03
2959	478976.63, 3849971.93	0.03576	0.03588	5.60E-03	5.86E-03	5.28E-03	5.41E-03	5.10E-03	1.48E-03	1.49E-03	2.97E-03	1.45E-03	1.45E-03	2.90E-03	1.43E-03	1.43E-03	2.86E-03
2960	479026.63, 3849971.93	0.0342	0.03431	5.36E-03	5.60E-03	5.05E-03	5.17E-03	4.88E-03	1.42E-03	1.42E-03	2.84E-03	1.38E-03	1.39E-03	2.77E-03	1.37E-03	1.37E-03	2.74E-03
2961	479076.63, 3849971.93	0.03278	0.03288	5.14E-03	5.37E-03	4.84E-03	4.96E-03	4.67E-03	1.36E-03	1.36E-03	2.72E-03	1.33E-03	1.33E-03	2.66E-03	1.31E-03	1.31E-03	2.62E-03
2962	479126.63, 3849971.93	0.0315	0.0316	4.93E-03	5.16E-03	4.65E-03	4.76E-03	4.49E-03	1.31E-03	1.31E-03	2.62E-03	1.28E-03	1.28E-03	2.55E-03	1.26E-03	1.26E-03	2.52E-03
2963	479176.63, 3849971.93	0.03034	0.03043	4.75E-03	4.97E-03	4.48E-03	4.59E-03	4.33E-03	1.26E-03	1.26E-03	2.52E-03	1.23E-03	1.23E-03	2.46E-03	1.21E-03	1.22E-03	2.43E-03
2964	479226.63, 3849971.93	0.02854	0.02862	4.47E-03	4.67E-03	4.21E-03	4.31E-03	4.07E-03	1.18E-03	1.19E-03	2.37E-03	1.16E-03	1.16E-03	2.31E-03	1.14E-03	1.14E-03	2.28E-03
2965	479276.63, 3849971.93	0.02796	0.02805	4.38E-03	4.58E-03	4.13E-03	4.23E-03	3.99E-03	1.16E-03	1.16E-03	2.32E-03	1.13E-03	1.14E-03	2.27E-03	1.12E-03	1.12E-03	2.24E-03
2966	479326.63, 3849971.93	0.0273	0.02738	4.28E-03	4.47E-03	4.03E-03	4.13E-03	3.89E-03	1.13E-03	1.14E-03	2.27E-03	1.11E-03	1.11E-03	2.21E-03	1.09E-03	1.09E-03	2.18E-03
2967	479376.63, 3849971.93	0.02597	0.02606	4.07E-03	4.25E-03	3.83E-03	3.93E-03	3.70E-03	1.08E-03	1.08E-03	2.16E-03	1.05E-03	1.06E-03	2.11E-03	1.04E-03	1.04E-03	2.08E-03
2968	479426.63, 3849971.93	0.02525	0.02534	3.96E-03	4.14E-03	3.73E-03	3.82E-03	3.60E-03	1.05E-03	1.05E-03	2.10E-03	1.02E-03	1.03E-03	2.05E-03	1.01E-03	1.01E-03	2.02E-03
2969	478726.63, 3850021.93	0.05179	0.05191	8.11E-03	8.47E-03	7.64E-03	7.83E-03	7.38E-03	2.15E-03	2.15E-03	4.30E-03	2.10E-03	2.10E-03	4.20E-03	2.07E-03	2.07E-03	4.14E-03
2970	478776.63, 3850021.93	0.04863	0.04876	7.62E-03	7.96E-03	7.18E-03	7.35E-03	6.93E-03	2.02E-03	2.02E-03	4.04E-03	1.97E-03	1.97E-03	3.94E-03	1.94E-03	1.95E-03	3.89E-03
2971	478826.63, 3850021.93	0.04585	0.04598	7.18E-03	7.51E-03	6.77E-03	6.93E-03	6.54E-03	1.90E-03	1.91E-03	3.81E-03	1.86E-03	1.86E-03	3.72E-03	1.83E-03	1.84E-03	3.67E-03
2972	478976.63, 3850021.93	0.03922	0.03932	6.14E-03	6.42E-03	5.79E-03	5.93E-03	5.59E-03	1.63E-03	1.63E-03	3.26E-03	1.59E-03	1.59E-03	3.18E-03	1.57E-03	1.57E-03	3.14E-03
2973	478726.63, 3850071.93	0.05966	0.05972	9.35E-03	9.75E-03	8.81E-03	9.02E-03	8.51E-03	2.48E-03	2.48E-03	4.95E-03	2.42E-03	2.42E-03	4.83E-03	2.38E-03	2.39E-03	4.77E-03
2974	478776.63, 3850071.93	0.05548	0.05556	8.69E-03	9.07E-03	8.19E-03	8.39E-03	7.91E-03	2.30E-03	2.31E-03	4.61E-03	2.25E-03	2.25E-03	4.50E-03	2.22E-03	2.22E-03	4.44E-03
2975	478826.63, 3850071.93	0.05186	0.05196	8.12E-03	8.48E-03	7.65E-03	7.84E-03	7.39E-03	2.15E-03	2.16E-03	4.31E-03	2.10E-03	2.10E-03	4.20E-03	2.07E-03	2.08E-03	4.15E-03
2976	478876.63, 3850071.93	0.04871	0.04881	7.63E-03	7.97E-03	7.19E-03	7.36E-03	6.95E-03	2.02E-03	2.03E-03	4.05E-03	1.97E-03	1.98E-03	3.95E-03	1.95E-03	1.95E-03	3.90E-03
2977	478976.63, 3850071.93	0.04347	0.04357	6.81E-03	7.11E-03	6.42E-03	6.57E-03	6.20E-03	1.80E-03	1.81E-03	3.61E-03	1.76E-03	1.76E-03	3.52E-03	1.74E-03	1.74E-03	3.48E-03
2978	478726.63, 3850121.93	0.07053	0.07046	1.10E-02	1.15E-02	1.04E-02	1.07E-02	1.01E-02	2.93E-03	2.92E-03	5.85E-03	2.86E-03	2.85E-03	5.71E-03	2.82E-03	2.81E-03	5.63E-03
2979	478776.63, 3850121.93	0.06471	0.06469	1.01E-02	1.06E-02	9.55E-03	9.78E-03	9.23E-03	2.68E-03	2.68E-03	5.37E-03	2.62E-03	2.62E-03	5.24E-03	2.58E-03	2.58E-03	5.17E-03
2980	478826.63, 3850121.93	0.05981	0.05982	9.37E-03	9.76E-03	8.83E-03	9.04E-03	8.53E-03	2.48E-03	2.48E-03	4.96E-03	2.42E-03	2.42E-03	4.84E-03	2.39E-03	2.39E-03	4.78E-03
2981	478876.63, 3850121.93	0.05561	0.05565	8.71E-03	9.08E-03	8.21E-03	8.41E-03	7.93E-03	2.31E-03	2.31E-03	4.62E-03	2.25E-03	2.25E-03	4.50E-03	2.22E-03	2.22E-03	4.44E-03
2982	478976.63, 3850121.93	0.04883	0.04889	7.65E-03	7.98E-03	7.21E-03	7.38E-03	6.96E-03	2.03E-03	2.03E-03	4.05E-03	1.98E-03	1.98E-03	3.96E-03	1.95E-03	1.95E-03	3.90E-03
2983	479026.63, 3850121.93	0.04605	0.04611	7.21E-03	7.53E-03	6.80E-03	6.96E-03	6.57E-03	1.91E-03	1.91E-03	3.82E-03	1.86E-03	1.87E-03	3.73E-03	1.84E-03	1.84E-03	3.68E-03
2984	479076.63, 3850121.93	0.04353	0.04359	6.82E-03	7.12E-03	6.42E-03	6.58E-03	6.21E-03	1.81E-03	1.81E-03	3.61E-03	1.76E-03	1.76E-03	3.53E-03	1.74E-03	1.74E-03	3.48E-03
2985	479126.63, 3850121.93	0.04128	0.04134	6.47E-03	6.75E-03	6.09E-03	6.24E-03	5.89E-03	1.71E-03	1.72E-03	3.43E-03	1.67E-03	1.67E-03	3.34E-03	1.65E-03	1.65E-03	3.30E-03
2986	478776.63, 3850171.93	0.07782	0.07761	1.22E-02	1.27E-02	1.15E-02	1.18E-02	1.11E-02	3.23E-03	3.22E-03	6.45E-03	3.15E-03	3.14E-03	6.29E-03	3.11E-03	3.10E-03	6.21E-03
2987	478826.63, 3850171.93	0.07078	0.07065	1.11E-02	1.15E-02	1.04E-02	1.07E-02	1.01E-02	2.94E-03	2.93E-03	5.87E-03	2.87E-03	2.86E-03	5.73E-03	2.83E-03	2.82E-03	5.65E-03
2988	478876.63, 3850171.93	0.06493	0.06486	1.02E-02	1.06E-02	9.58E-03	9.81E-03	9.26E-03	2.69E-03	2.69E-03	5.38E-03	2.63E-03	2.63E-03	5.25E-03	2.59E-03	2.59E-03	5.18E-03
2989	478976.63, 3850171.93	0.05577	0.05578	8.74E-03	9.10E-03	8.23E-03	8.43E-03	7.95E-03	2.31E-03	2.31E-03	4.63E-03	2.26E-03	2.26E-03	4.52E-03	2.23E-03	2.23E-03	4.46E-03
2990	479026.63, 3850171.93	0.05214	0.05216	8.17E-03	8.51E-03	7.70E-03	7.88E-03	7.43E-03	2.16E-03	2.16E-03	4.33E-03	2.11E-03	2.11E-03	4.22E-03	2.08E-03	2.08E-03	4.17E-03
2991	479076.63, 3850171.93	0.04896	0.04899	7.67E-03	8.00E-03	7.23E-03	7.40E-03	6.98E-03	2.03E-03	2.03E-03	4.06E-03	1.98E-03	1.98E-03	3.97E-03	1.96E-03	1.96E-03	3.91E-03
2992	479126.63, 3850171.93	0.04615	0.04618	7.23E-03	7.54E-03	6.81E-03	6.98E-03	6.58E-03	1.91E-03	1.92E-03	3.83E-03	1.87E-03	1.87E-03	3.74E-03	1.84E-03	1.84E-03	3.69E-03
2993	479176.63, 3850171.93	0.04368	0.04371	6.84E-03	7.13E-03	6.45E-03	6.60E-03	6.23E-03	1.81E-03	1.81E-03	3.63E-03	1.77E-03	1.77E-03	3.54E-03	1.74E-03	1.75E-03	3.49E-03
2994	479226.63, 3850171.93	0.04154	0.04158	6.51E-03	6.79E-03	6.13E-03	6.28E-03	5.92E-03	1.72E-03	1.73E-03	3.45E-03	1.68E-03	1.68E-03	3.37E-03	1.66E-03	1.66E-03	3.32E-03
2995	479276.63, 3850171.93	0.0396	0.03964	6.20E-03	6.47E-03	5.84E-03	5.99E-03	5.65E-03	1.64E-03	1.64E-03	3.29E-03	1.60E-03	1.60E-03	3.21E-03	1.58E-03	1.58E-03	3.17E-03
2996	479326.63, 3850171.93	0.03779	0.03784	5.92E-03	6.18E-03	5.58E-03	5.71E-03	5.39E-03	1.57E-03	1.57E-03	3.14E-03	1.53E-03	1.53E-03	3.06E-03	1.51E-03	1.51E-03	3.02E-03
2997	479376.63, 3850171.93	0.03607	0.0361	5.65E-03	5.89E-03	5.32E-03	5.45E-03	5.14E-03	1.50E-03	1.50E-03	2.99E-03	1.46E-03	1.46E-03	2.92E-03	1.44E-03	1.44E-03	2.88E-03
2998	478676.63, 3850221.93	0.13179	0.1304	2.06E-02	2.13E-02	1.95E-02	1.99E-02	1.88E-02	5.47E-03	5.41E-03	1.09E-02	5.34E-03	5.28E-03	1.06E-02	5.26E-03	5.21E-03	1.05E-02
2999	478726.63, 3850221.93	0.11231	0.11141	1.76E-02	1.82E-02	1.66E-02	1.70E-02	1.60E-02	4.66E-03	4.62E-03	9.28E-03	4.55E-03	4.51E-03	9.06E-03	4.49E-03	4.45E-03	8.94E-03
3000	478976.63, 3850221.93	0.06511	0.065	1.02E-02	1.06E-02	9.61E-03	9.84E-03	9.28E-03	2.70E-03	2.70E-03	5.40E-03	2.64E-03	2.63E-03	5.27E-03	2.60E-03	2.60E-03	5.20E-03
3001	479026.63, 3850221.93	0.06015	0.06007	9.42E-03	9.81E-03	8.88E-03	9.09E-03	8.58E-03	2.50E-03	2.49E-03	4.99E-03	2.44E-03	2.43E-03	4.87E-03	2.40E-03	2.40E-03	4.80E-03
3002	479076.63, 3850221.93	0.05594	0.05591	8.76E-03	9.13E-03	8.26E-03	8.46E-03	7.98E-03	2.32E-03	2.32E-03	4.64E-03	2.26E-03	2.26E-03	4.53E-03	2.23E-03	2.23E-03	4.47E-03
3003	479126.63, 3850221.93	0.05229	0.05227	8.19E-03	8.53E-03	7.72E-03	7.90E-03	7.46E-03	2.17E-03	2.17E-03	4.34E-03	2.12E-03	2.12E-03	4.23E-03	2.09E-03	2.09E-03	4.18E-03
3004	479176.63, 3850221.93	0.04912	0.04911	7.69E-03	8.02E-03	7.25E-03	7.43E-03	7.00E-03	2.04E-03	2.04E-03	4.08E-03	1.99E-03	1.99E-03	3.98E-03	1.96E-03	1.96E-03	3.92E-03
3005	479226.63, 3850221.93	0.04633	0.04633	7.26E-03	7.56E-03	6.84E-03	7.00E-03	6.61E-03	1.92E-03	1.92E-03	3.84E-03	1.88E-03	1.88E-03	3.75E-03	1.85E-03	1.85E-03	3.70E-03
3006	479276.63, 3850221.93	0.04386	0.04387	6.87E-03	7.16E-03	6.47E-03	6.63E-03	6.25E-03	1.82E-03	1.82E-03	3.64E-03	1.78E-03	1.78E-03	3.55E-03	1.75E-03	1.75E-03	3.50E-03
3007	479326.63, 3850221.93	0.04166	0.04167	6.53E-03	6.80E-03	6.15E-03	6.30E-03	5.94E-03	1.73E-03	1.73E-03	3.46E-03	1.69E-03	1.69E-03	3.37E-03	1.66E-03	1.66E-03	3.33E-03
3008	479376.63, 3850221.93	0.03965	0.03967	6.21E-03	6.48E-03	5.85E-03	5.99E-03	5.65E-03	1.64E-03	1.65E-03	3.29E-03	1.61E-03	1.61E-03	3.21E-03	1.58E-03	1.58E-03	3.17E-03
3009	478676.63, 3850271.93	0.20205	0.19803	3.17E-02	3.23E-02	2.98E-02	3.05E-02	2.88E-02	8.38E-03	8.22E-03	1.66E-02	8.18E-03	8.02E-03	1.62E-02	8.07E-03	7.91E-03	1.60E-02
3010	478726.63, 3850271.93	0.16028	0.15785	2.51E-02	2.58E-02	2.37E-02	2.42E-02	2.29E-02	6.65E-03	6.55E-03	1.32E-02	6.49E-03	6.39E-03	1.29E-02	6.40E-03	6.31E-03	1.27E-02
3011	478976.63, 3850271.93	0.07847	0.07813	1.23E-02	1.28E-02	1.16E-02	1.19E-02	1.12E-02	3.26E-03	3.24E-03	6.50E-03	3.18E-03	3.16E-03	6.34E-03	3.13E-03	3.12E-03	6.26E-03
3012	479026.63, 3850271.93	0.07126	0.07102	1.12E-02	1.16E-02	1.05E-02	1.08E-02	1.02E-02	2.96E-03	2.95E-03	5.90E-03	2.88E-03	2.88E-03	5.76E-03	2.85E-03	2.84E-03	5.68E-03

3013	479076.63, 3850271.93	0.06534	0.06518	1.02E-02	1.06E-02	9.64E-03	9.88E-03	9.32E-03	2.71E-03	2.70E-03	5.41E-03	2.65E-03	2.64E-03	5.28E-03	2.61E-03	2.60E-03	5.21E-03
3014	479126.63, 3850271.93	0.06037	0.06025	9.46E-03	9.83E-03	8.91E-03	9.13E-03	8.61E-03	2.50E-03	2.50E-03	5.00E-03	2.44E-03	2.44E-03	4.88E-03	2.41E-03	2.41E-03	4.82E-03
3015	479176.63, 3850271.93	0.05611	0.05603	8.79E-03	9.15E-03	8.28E-03	8.48E-03	8.00E-03	2.33E-03	2.32E-03	4.65E-03	2.27E-03	2.27E-03	4.54E-03	2.24E-03	2.24E-03	4.48E-03
3016	479226.63, 3850271.93	0.05244	0.05238	8.21E-03	8.55E-03	7.74E-03	7.93E-03	7.48E-03	2.18E-03	2.17E-03	4.35E-03	2.12E-03	2.12E-03	4.24E-03	2.09E-03	2.09E-03	4.19E-03
3017	479276.63, 3850271.93	0.04926	0.04922	7.72E-03	8.03E-03	7.27E-03	7.45E-03	7.02E-03	2.04E-03	2.04E-03	4.09E-03	1.99E-03	1.99E-03	3.99E-03	1.97E-03	1.97E-03	3.93E-03
3018	479326.63, 3850271.93	0.04648	0.04645	7.28E-03	7.58E-03	6.86E-03	7.03E-03	6.63E-03	1.93E-03	1.93E-03	3.86E-03	1.88E-03	1.88E-03	3.76E-03	1.86E-03	1.86E-03	3.71E-03
3019	479376.63, 3850271.93	0.04394	0.04392	6.88E-03	7.17E-03	6.48E-03	6.64E-03	6.27E-03	1.82E-03	1.82E-03	3.65E-03	1.78E-03	1.78E-03	3.56E-03	1.76E-03	1.75E-03	3.51E-03
3020	479053.24, 3850293.52	0.07358	0.07328	1.15E-02	1.20E-02	1.09E-02	1.11E-02	1.05E-02	3.05E-03	3.04E-03	6.09E-03	2.98E-03	2.97E-03	5.95E-03	2.94E-03	2.93E-03	5.87E-03
3021	479103.24, 3850293.52	0.06727	0.06706	1.05E-02	1.09E-02	9.93E-03	1.02E-02	9.59E-03	2.79E-03	2.78E-03	5.57E-03	2.72E-03	2.71E-03	5.44E-03	2.69E-03	2.68E-03	5.37E-03
3022	479153.24, 3850293.52	0.06202	0.06187	9.72E-03	1.01E-02	9.15E-03	9.38E-03	8.84E-03	2.57E-03	2.57E-03	5.14E-03	2.51E-03	2.50E-03	5.02E-03	2.48E-03	2.47E-03	4.95E-03
3023	479203.24, 3850293.52	0.05752	0.05741	9.01E-03	9.37E-03	8.49E-03	8.69E-03	8.20E-03	2.39E-03	2.38E-03	4.77E-03	2.33E-03	2.32E-03	4.65E-03	2.30E-03	2.29E-03	4.59E-03
3024	479253.24, 3850293.52	0.05368	0.0536	8.41E-03	8.75E-03	7.92E-03	8.11E-03	7.65E-03	2.23E-03	2.22E-03	4.45E-03	2.17E-03	2.17E-03	4.34E-03	2.14E-03	2.14E-03	4.29E-03
3025	479303.24, 3850293.52	0.05037	0.05031	7.89E-03	8.21E-03	7.43E-03	7.61E-03	7.18E-03	2.09E-03	2.09E-03	4.18E-03	2.04E-03	2.04E-03	4.08E-03	2.01E-03	2.01E-03	4.02E-03
3026	479353.24, 3850293.52	0.04742	0.04737	7.43E-03	7.73E-03	7.00E-03	7.17E-03	6.76E-03	1.97E-03	1.97E-03	3.93E-03	1.92E-03	1.92E-03	3.84E-03	1.89E-03	1.89E-03	3.79E-03
3027	479153.24, 3850343.52	0.07394	0.07358	1.16E-02	1.20E-02	1.09E-02	1.12E-02	1.05E-02	3.07E-03	3.05E-03	6.12E-03	2.99E-03	2.98E-03	5.97E-03	2.95E-03	2.94E-03	5.89E-03
3028	479203.24, 3850343.52	0.06756	0.06731	1.06E-02	1.10E-02	9.97E-03	1.02E-02	9.63E-03	2.80E-03	2.79E-03	5.60E-03	2.74E-03	2.73E-03	5.46E-03	2.70E-03	2.69E-03	5.39E-03
3029	479253.24, 3850343.52	0.06231	0.06212	9.76E-03	1.01E-02	9.20E-03	9.42E-03	8.88E-03	2.59E-03	2.58E-03	5.16E-03	2.52E-03	2.51E-03	5.04E-03	2.49E-03	2.48E-03	4.97E-03
3030	479303.24, 3850343.52	0.05784	0.05769	9.06E-03	9.42E-03	8.54E-03	8.74E-03	8.25E-03	2.40E-03	2.39E-03	4.79E-03	2.34E-03	2.34E-03	4.68E-03	2.31E-03	2.30E-03	4.62E-03
3031	479353.24, 3850343.52	0.05394	0.05382	8.45E-03	8.78E-03	7.96E-03	8.15E-03	7.69E-03	2.24E-03	2.23E-03	4.47E-03	2.18E-03	2.18E-03	4.36E-03	2.15E-03	2.15E-03	4.30E-03
3032	479203.24, 3850393.52	0.0822	0.08166	1.29E-02	1.33E-02	1.21E-02	1.24E-02	1.17E-02	3.41E-03	3.39E-03	6.80E-03	3.33E-03	3.31E-03	6.63E-03	3.28E-03	3.26E-03	6.55E-03
3033	479253.24, 3850393.52	0.07446	0.07406	1.17E-02	1.21E-02	1.10E-02	1.13E-02	1.06E-02	3.09E-03	3.07E-03	6.16E-03	3.01E-03	3.00E-03	6.01E-03	2.97E-03	2.96E-03	5.93E-03
3034	479303.24, 3850393.52	0.06811	0.06779	1.07E-02	1.11E-02	1.01E-02	1.03E-02	9.71E-03	2.83E-03	2.81E-03	5.64E-03	2.76E-03	2.74E-03	5.50E-03	2.72E-03	2.71E-03	5.43E-03
3035	479353.24, 3850393.52	0.06273	0.06247	9.83E-03	1.02E-02	9.26E-03	9.48E-03	8.94E-03	2.60E-03	2.59E-03	5.19E-03	2.54E-03	2.53E-03	5.07E-03	2.51E-03	2.50E-03	5.00E-03
3036	479403.24, 3850393.52	0.05809	0.05788	9.10E-03	9.45E-03	8.57E-03	8.78E-03	8.28E-03	2.41E-03	2.40E-03	4.81E-03	2.35E-03	2.34E-03	4.69E-03	2.32E-03	2.31E-03	4.63E-03
3037	479453.24, 3850393.52	0.05401	0.05383	8.46E-03	8.79E-03	7.97E-03	8.16E-03	7.70E-03	2.24E-03	2.23E-03	4.47E-03	2.19E-03	2.18E-03	4.37E-03	2.16E-03	2.15E-03	4.31E-03
3038	479503.24, 3850393.52	0.05031	0.05015	7.88E-03	8.19E-03	7.43E-03	7.60E-03	7.17E-03	2.09E-03	2.08E-03	4.17E-03	2.04E-03	2.03E-03	4.07E-03	2.01E-03	2.00E-03	4.01E-03
3039	479303.24, 3850443.52	0.08309	0.08245	1.30E-02	1.35E-02	1.23E-02	1.26E-02	1.18E-02	3.45E-03	3.42E-03	6.87E-03	3.36E-03	3.34E-03	6.70E-03	3.32E-03	3.29E-03	6.61E-03
3040	479353.24, 3850443.52	0.07513	0.07462	1.18E-02	1.22E-02	1.11E-02	1.14E-02	1.07E-02	3.12E-03	3.10E-03	6.21E-03	3.04E-03	3.02E-03	6.06E-03	3.00E-03	2.98E-03	5.98E-03
3041	479403.24, 3850443.52	0.06843	0.06801	1.07E-02	1.11E-02	1.01E-02	1.03E-02	9.76E-03	2.84E-03	2.82E-03	5.66E-03	2.77E-03	2.75E-03	5.52E-03	2.73E-03	2.72E-03	5.45E-03
3042	479453.24, 3850443.52	0.06271	0.06237	9.82E-03	1.02E-02	9.26E-03	9.48E-03	8.94E-03	2.60E-03	2.59E-03	5.19E-03	2.54E-03	2.53E-03	5.06E-03	2.51E-03	2.49E-03	5.00E-03
3043	479503.24, 3850443.52	0.05773	0.05747	9.04E-03	9.38E-03	8.52E-03	8.73E-03	8.23E-03	2.40E-03	2.38E-03	4.78E-03	2.34E-03	2.33E-03	4.66E-03	2.31E-03	2.30E-03	4.60E-03
3044	480327.18, 3850987.04	0.1013	0.10091	1.59E-02	1.65E-02	1.50E-02	1.53E-02	1.44E-02	4.20E-03	4.19E-03	8.39E-03	4.10E-03	4.09E-03	8.19E-03	4.05E-03	4.03E-03	8.08E-03
3045	480377.18, 3850987.04	0.08939	0.08921	1.40E-02	1.46E-02	1.32E-02	1.35E-02	1.27E-02	3.71E-03	3.70E-03	7.41E-03	3.62E-03	3.61E-03	7.23E-03	3.57E-03	3.56E-03	7.13E-03
3046	480427.18, 3850987.04	0.0798	0.07976	1.25E-02	1.30E-02	1.18E-02	1.21E-02	1.14E-02	3.31E-03	3.31E-03	6.62E-03	3.23E-03	3.23E-03	6.46E-03	3.19E-03	3.19E-03	6.37E-03
3047	480477.18, 3850987.04	0.07179	0.07186	1.12E-02	1.17E-02	1.06E-02	1.09E-02	1.02E-02	2.98E-03	2.98E-03	5.96E-03	2.91E-03	2.91E-03	5.82E-03	2.87E-03	2.87E-03	5.74E-03
3048	480327.18, 3851037.04	0.13899	0.13814	2.18E-02	2.25E-02	2.05E-02	2.10E-02	1.98E-02	5.77E-03	5.73E-03	1.15E-02	5.63E-03	5.59E-03	1.12E-02	5.55E-03	5.52E-03	1.11E-02
3049	480377.18, 3851037.04	0.11767	0.11723	1.84E-02	1.91E-02	1.74E-02	1.78E-02	1.68E-02	4.88E-03	4.86E-03	9.75E-03	4.76E-03	4.75E-03	9.51E-03	4.70E-03	4.68E-03	9.38E-03
3050	480427.18, 3851037.04	0.10163	0.10146	1.59E-02	1.66E-02	1.50E-02	1.54E-02	1.45E-02	4.22E-03	4.21E-03	8.43E-03	4.11E-03	4.11E-03	8.22E-03	4.06E-03	4.05E-03	8.11E-03
3051	480477.18, 3851037.04	0.08929	0.08931	1.40E-02	1.46E-02	1.32E-02	1.35E-02	1.27E-02	3.70E-03	3.71E-03	7.41E-03	3.61E-03	3.62E-03	7.23E-03	3.57E-03	3.57E-03	7.13E-03
3052	480622.06, 3851087.39	0.08036	0.0807	1.26E-02	1.32E-02	1.19E-02	1.21E-02	1.15E-02	3.33E-03	3.35E-03	6.68E-03	3.25E-03	3.27E-03	6.52E-03	3.21E-03	3.22E-03	6.43E-03
3053	480672.06, 3851087.39	0.07242	0.07281	1.13E-02	1.19E-02	1.07E-02	1.09E-02	1.03E-02	3.00E-03	3.02E-03	6.03E-03	2.93E-03	2.95E-03	5.88E-03	2.89E-03	2.91E-03	5.80E-03
3054	480622.06, 3851137.39	0.10336	0.10377	1.62E-02	1.69E-02	1.53E-02	1.56E-02	1.47E-02	4.29E-03	4.31E-03	8.59E-03	4.18E-03	4.20E-03	8.39E-03	4.13E-03	4.15E-03	8.27E-03
3055	480672.06, 3851137.39	0.09053	0.09103	1.42E-02	1.49E-02	1.34E-02	1.37E-02	1.29E-02	3.76E-03	3.78E-03	7.53E-03	3.67E-03	3.69E-03	7.35E-03	3.62E-03	3.64E-03	7.25E-03
3056	480722.06, 3851137.39	0.08065	0.0812	1.26E-02	1.33E-02	1.19E-02	1.22E-02	1.15E-02	3.35E-03	3.37E-03	6.71E-03	3.27E-03	3.29E-03	6.55E-03	3.22E-03	3.24E-03	6.47E-03
3057	480622.06, 3851187.39	0.14429	0.14481	2.26E-02	2.36E-02	2.13E-02	2.18E-02	2.06E-02	5.99E-03	6.01E-03	1.20E-02	5.84E-03	5.86E-03	1.17E-02	5.76E-03	5.78E-03	1.15E-02
3058	480672.06, 3851187.39	0.12079	0.12147	1.89E-02	1.98E-02	1.78E-02	1.83E-02	1.72E-02	5.01E-03	5.04E-03	1.01E-02	4.89E-03	4.92E-03	9.81E-03	4.83E-03	4.85E-03	9.68E-03
3059	480722.06, 3851187.39	0.10387	0.1046	1.63E-02	1.71E-02	1.53E-02	1.57E-02	1.48E-02	4.31E-03	4.34E-03	8.65E-03	4.21E-03	4.23E-03	8.44E-03	4.15E-03	4.18E-03	8.33E-03
3060	471363.09, 3845877.25	0.0037	0.00373	5.80E-04	6.09E-04	5.46E-04	5.59E-04	5.28E-04	1.54E-04	1.55E-04	3.08E-04	1.50E-04	1.51E-04	3.01E-04	1.48E-04	1.49E-04	2.97E-04
3061	471863.09, 3845877.25	0.00369	0.00371	5.78E-04	6.06E-04	5.45E-04	5.58E-04	5.26E-04	1.53E-04	1.54E-04	3.07E-04	1.49E-04	1.50E-04	3.00E-04	1.47E-04	1.48E-04	2.96E-04
3062	472363.09, 3845877.25	0.00425	0.00427	6.66E-04	6.97E-04	6.27E-04	6.42E-04	6.06E-04	1.76E-04	1.77E-04	3.53E-04	1.72E-04	1.73E-04	3.45E-04	1.70E-04	1.71E-04	3.40E-04
3063	472863.09, 3845877.25	0.0041	0.00413	6.42E-04	6.74E-04	6.05E-04	6.20E-04	5.85E-04	1.70E-04	1.71E-04	3.41E-04	1.66E-04	1.67E-04	3.33E-04	1.64E-04	1.65E-04	3.29E-04
3064	473363.09, 3845877.25	0.0042	0.00426	6.58E-04	6.95E-04	6.20E-04	6.35E-04	5.99E-04	1.74E-04	1.77E-04	3.51E-04	1.70E-04	1.72E-04	3.42E-04	1.68E-04	1.70E-04	3.38E-04
3065	473863.09, 3845877.25	0.00426	0.00433	6.67E-04	7.07E-04	6.29E-04	6.44E-04	6.07E-04	1.77E-04	1.80E-04	3.56E-04	1.72E-04	1.75E-04	3.48E-04	1.70E-04	1.73E-04	3.43E-04
3066	474363.09, 3845877.25	0.00452	0.00459	7.08E-04	7.49E-04	6.67E-04	6.83E-04	6.44E-04	1.88E-04	1.90E-04	3.78E-04	1.83E-04	1.86E-04	3.69E-04	1.81E-04	1.83E-04	3.64E-04
3067	474863.09, 3845877.25	0.00466	0.00472	7.30E-04	7.70E-04	6.88E-04	7.04E-04	6.64E-04	1.93E-04	1.96E-04	3.89E-04	1.89E-04	1.91E-04	3.80E-04	1.86E-04	1.89E-04	3.75E-04
3068	475363.09, 3845877.25	0.00472	0.00474	7.39E-04	7.74E-04	6.97E-04	7.13E-04	6.73E-04	1.96E-04	1.97E-04	3.92E-04	1.91E-04	1.92E-04	3.83E-04	1.89E-04	1.89E-04	3.78E-04
3069	475863.09, 3845877.25	0.0046	0.00462	7.21E-04	7.54E-04	6.79E-04	6.95E-04	6.56E-04	1.91E-04	1.92E-04	3.83E-04	1.86E-04	1.87E-04	3.73E-04	1.84E-04	1.85E-04	3.68E-04
3070	476363.09, 3845877.25	0.00437	0.00441	6.85E-04	7.20E-04	6.45E-04	6.61E-04	6.23E-04	1.81E-04	1.83E-04	3.64E-04	1.77E-04	1.79E-04	3.55E-04	1.75E-04	1.76E-04	3.51E-04
3071	476863.09, 3845877.25	0.00411	0.00417	6.44E-04	6.81E-04	6.07E-04	6.21E-04	5.86E-04	1.71E-04	1.73E-04	3.44E-04	1.66E-04	1.69E-04	3.35E-04	1.64E-04	1.67E-04	3.31E-04
3072	477363.09, 3845877.25	0.0039	0.00396	6.11E-04	6.46E-04	5.76E-04	5.90E-04	5.56E-04	1.62E-04	1.64E-04	3.26E-04	1.58E-04	1.60E-04	3.18E-04	1.56E-04	1.58E-04	3.14E-04
3073	477863.09, 3845877.25	0.00366	0.00371	5.73E-04	6.06E-04	5.40E-04	5.53E-04	5.22E-04	1.52E-04	1.54E-04	3.06E-04	1.48E-04	1.50E-04	2.98E-04	1.46E-04	1.48E-04	2.94E-04
3074	478363.09, 3845877.25	0.00352	0.00355	5.51E-04	5.79E-04	5.20E-04	5.32E-04	5.02E-04	1.46E-04	1.47E-04	2.93E-04	1.43E-04	1.44E-04	2.86E-04	1.41E-04	1.42E-04	2.82E-04
3075	478863.09, 3845877.25	0.00339	0.00342	5.31E-04	5.58E-04	5.00E-04	5.12E-04	4.83E-04	1.41E-04	1.42E-04	2.83E-04	1.37E-04	1.38E-04	2.76E-04	1.35E-04	1.37E-04	2.72E-04
3076	479363.09, 3845877.25	0.00332	0.00336	5.20E-04	5.48E-04	4.90E-04	5.02E-04	4.73E-04	1.38E-04	1.39E-04	2.77E-04	1.34E-04	1.36E-04	2.70E-04	1.33E-04	1.34E-04	2.67E-04
3077	479863.09, 3845877.25	0.00319	0.00323	5.00E-04	5.27E-04	4.71E-04	4.82E-04	4.55E-04	1.32E-04	1.34E-04	2.66E-04	1.29E-04	1.31E-04	2.60E-04	1.27E-04	1.29E-04	2.56E-04
3078	480363.09, 3845877.25	0.00298	0.00301	4.67E-04	4.91E-04	4.40E-04	4.50E-04	4.25E-04	1.24E-04	1.25E-04	2.49E-04	1.21E-04	1.22E-04	2.43E-04	1.19E-04	1.20E-04	2.39E-04
3079	480863.09, 3845877.25	0.00285	0.00287	4.46E-04	4.68E-04	4.21E-04	4.31E-04	4.06E-04	1.18E-04	1.19E-04	2.37E-04	1.15E-04	1.16E-04	2.32E-04	1.14E-04	1.15E-04	2.28E-04
3080	481363.09, 3845877.25	0.00273	0.00276	4.28E-04	4.51E-04	4.03E-04	4.13E-04	3.89E-04	1.13E-04	1.15E-04	2.28E-04	1.11E-04	1.12E-04	2.22E-04	1.09E-04	1.10E-04	2.19E-04
3081	481863.09, 3845877.25	0.0026	0.00263	4.07E-04	4.29E-04	3.84E-04	3.93E-04	3.71E-04	1.08E-04	1.09E-04	2.17E-04	1.05E-04	1.06E-04	2.12E-04	1.04E-04	1.05E-04	2.09E-04
3082	482363.09, 3845877.25	0.00247	0.0025	3.87E-04	4.08E-04	3.65E-04	3.73E-04	3.52E-04	1.02E-04	1.04E-04	2.06E-04	1.00E-04	1.01E-04	2.01E-04	9.87E-05	9.99E-05	1.99E-04
3083	482863.09, 3845877.25	0.0022	0.00223	3.45E-04	3.64E-04	3.25E-04	3.33E-04	3.14E-04	9.13E-05	9.25E-05	1.84E-04	8.91E-05	9.03E-05	1.79E-04	8.79E-05	8.91E-05	1.77E-04
3084	483363.09, 3845877.25	0.00207	0.00209	3.24E-04	3.41E-04	3.06E-04	3.13E-04	2.95E-04	8.59E-05	8.67E-05	1.73E-04	8.38E-05	8.46E-05	1.68E-04	8.27E-05	8.35E-05	1.66E-04
3085	483863.09, 3845877.25	0.00223	0.00226	3.49E-04	3.69E-04	3.29E-04	3.37E-04	3.18E-04	9.25E-05	9.38E-05	1.86E-04	9.03E-05	9.15E-05	1.82E-04	8.91E-05	9.03E-05	1.79E-04
3086	484363.09, 3845877.25	0.00221	0.00223	3.46E-04	3.64E-04	3.26E-04	3.34E-04	3.15E-04	9.17E-05	9.25E-05	1.84E-04	8.95E-05	9.03E-05	1.80E-04	8.83E-05	8.91E-05	1.77E-04
3087	484863.09, 3845877.25	0.00216	0.00218	3.38E-04	3.56E-04	3.19E-04	3.27E-04	3.08E-04	8.96E-05	9.04E-05	1.80E-04	8.74E-05	8.83E-05	1.76E-04	8.63E-05	8.71E-05	1.73E-04
3088	485363.09, 3845877.25	0.00208	0.00211	3.26E-04	3.44E-04	3.07E-04	3.14E-04	2.97E-04	8.63E-05	8.75E-05	1.74E-04	8.42E-05	8.54E-05	1.70E-04	8.31E-05	8.43E-05	1.67E-04
3089	485863.09, 3845877.25	0.00208	0.0021	3.26E-04	3.43E-04	3.07E-04	3.14E-04	2.97E-04	8.63E-05	8.71E-05	1.73E-04	8.42E-05	8.50E-05	1.69E-04	8.31E-05	8.39E-05	1.67E-04
3090	486363.09, 3845877.25	0.00205	0.00207	3.21E-04	3.38E-04	3.03E-04	3.10E-04	2.92E-04	8.51E-05	8.59E-05	1.71E-04	8.30E-05	8.38E-05	1.67E-04	8.19E-05	8.27E-05	1.65E-04
3091	486863.09, 3845877.25	0.00197	0.00199	3.09E-04	3.25E-04	2.91E-04	2.98E-04	2.81E-04	8.17E-05	8.26E-05	1.64E-04	7.98E-05	8.06E-05	1.60E-04	7.87E-05	7.95E-05	1.58E-04
3092	487363.09, 3845877.25	0.00194	0.00196	3.04E-04	3.20E-04	2.86E-04	2.93E-04	2.77E-04	8.05E-05	8.13E-05	1.62E-04	7.85E-05	7.93E-05	1.58E-04	7.75E-05	7.83E-05	1.56E-04
3093	487863.09, 3845877.25	0.00187	0.00189	2.93E-04	3.09E-04	2.76E-04	2.83E-04	2.67E-04	7.76E-05	7.84E-05	1.56E-04	7.57E-05	7.65E-05	1.52E-04	7.47E-05	7.55E-05	1.50E-04
3094	488363.09, 3845877.25	0.00183	0.00185	2.87E-04	3.02E-04	2.70E-04	2.77E-04	2.61E-04	7.59E-05	7.68E-05	1.53E-04	7.41E-05	7.49E-05	1.49E-04	7.31E-05	7.39E-05	1.47E-04
3095	488863.09, 3845877.25	0.00192	0.00194	3.01E-04	3.17E-04	2.83E-04	2.90E-04	2.74E-04	7.97E-05	8.05E-05	1.60E-04	7.77E-05	7.85E-05	1.56E-04	7.67E-05	7.75E-05	1.54E-04
3096	489363.09, 3845877.25	0.0019	0.00192	2.98E-04	3.13E-04	2.80E-04	2.87E-04	2.71E-04	7.88E-05	7.97E-05	1.58E-04	7.69E-05	7.77E-05	1.55E-04	7.59E-05	7.67E-05	1.53E-04
3097	489863.09, 3845877.25	0.00184	0.00185	2.88E-04	3.02E-04	2.72E-04	2.78E-04	2.62E-04	7.63E-05	7.68E-05	1.53E-04	7.45E-05	7.49E-05	1.49E-04	7.35E-05	7.39E-05	1.47E-04
3098	490363.09, 3845877.25	0.00175	0.00176	2.74E-04	2.87E-04	2.58E-04	2.65E-04	2.50E-04	7.26E-05	7.30E-05	1.46E-04	7.08E-05	7.13E-05	1.42E-04	6.99E-05	7.03E-05	1.40E-04
3099	490863.09, 3845877.25	0.00158	0.0016	2.48E-04	2.61E-04	2.33E-04	2.39E-04	2.25E-04	6.56E-05	6.64E-05	1.32E-04	6.40E-05	6.48E-05	1.29E-04	6.31E-05	6.39E-05	1.27E-04
3100	491363.09, 3845877.25	0.00166	0.00167	2.60E-04	2.73E-04	2.45E-04	2.51E-04	2.37E-04	6.89E-05	6.93E-05	1.38E-04	6.72E-05	6.76E-05	1.35E-04	6.63E-05	6.67E-05	1.33E-04
3101	491863.09, 3845877.25	0.00169	0.0017	2.65E-04	2.77E-04	2.49E-04	2.55E-04	2.41E-04	7.01E-05	7.05E-05	1.41E-04	6.84E-05	6.88E-05	1.37E-04	6.75E-05	6.79E-05	1.35E-04
3102	492363.09, 3845877.25	0.00157	0.00158	2.46E-04	2.58E-04	2.32E-04	2.37E-04	2.24E-04	6.51E-05	6.56E-05	1.31E-04	6.36E-05	6.40E-05	1.28E-04	6.27E-05	6.31E-05	1.26E-04
3103	492863.09, 3845877.25	0.00168	0.0017	2.63E-04	2.77E-04	2.48E-04	2.54E-04	2.40E-04	6.97E-05	7.05E-05	1.40E-04	6.80E-05	6.88E-05	1.37E-04	6.71E-05	6.79E-05	1.35E-04
3104	493363.09, 3845877.25	0.00171	0.00173	2.68E-04	2.82E-04	2.52E-04	2.58E-04	2.44E-04	7.09E-05	7.18E-05	1.43E-04	6.92E-05	7.00E-05	1.39E-04	6.83E-05	6.91E-05	1.37E-04
3105	493863.09, 3845877.25	0.00173	0.00175	2.71E-04	2.86E-04	2.55E-04	2.62E-04	2.47E-04	7.18E-05	7.26E-05	1.44E-04	7.00E-05	7.08E-05	1.41E-04	6.91E-05	6.99E-05	1.39E-04
3106	494363.09, 3845877.25	0.00174	0.00176	2.73E-04	2.87E-04	2.57E-04	2.63E-04	2.48E-04	7.22E-05	7.30E-05	1.45E-04	7.04E-05	7.13E-05	1.42E-04	6.95E-05	7.03E-05	1.40E-04
3107	494863.09, 3845877.25	0.00174	0.00176	2.73E-04	2.87E-04	2.57E-04	2.63E-04	2.48E-04	7.22E-05	7.30E-05	1.45E-04	7.04E-05	7.13E-05	1.42E-04	6.95E-05	7.03E-05	1.40E-04
3108	495363.09, 3845877.25	0.00175	0.00177	2.74E-04	2.89E-04	2.58E-04	2.65E-04	2.50E-04	7.26E-05	7.34E-05	1.46E-04	7.08E-05	7.17E-05	1.43E-04	6.99E-05	7.07E-05	1.41E-04
3109	495863.09, 3845877.25	0.00176	0.00178	2.76E-04	2.91E-04	2.60E-04	2.66E-04	2.51E-04	7.30E-05	7.38E-05	1.47E-04	7.13E-05	7.21E-05	1.43E-04	7.03E-05	7.11E-05	1.41E-04
3110	496363.09, 3845877.25	0.00177	0.00179	2.77E-04	2.92E-04	2.61E-04	2.68E-04	2.52E-04	7.34E-05	7.43E-05	1.48E-04	7.17E-05	7.25E-05	1.44E-04	7.07E-05	7.15E-05	1.42E-04
3111	496863.09, 3845877.25	0.00176	0.00179	2.76E-04	2.92E-04	2.60E-04	2.66E-04	2.51E-04	7.30E-05	7.43E-05	1.47E-04	7.13E-05	7.25E-05	1.44E-04	7.03E-05	7.15E-05	1.42E-04
3112	497363.09, 3845877.25	0.00176	0.00178	2.76E-04	2.91E-04	2.60E-04	2.66E-04	2.51E-04	7.30E-05	7.38E-05	1.47E-04	7.13E-05	7.21E-05	1.43E-04	7.03E-05	7.11E-05	1.41E-04
3113	497863.09, 3845877.25	0.00175	0.00177	2.74E-04	2.89E-04	2.58E-04	2.65E-04	2.50E-04	7.26E-05	7.34E-05	1.46E-04	7.08E-05	7.17E-05	1.43E-04	6.99E-05	7.07E-05	1.41E-04
3114	498363.09, 3845877.25	0.00174	0.00177	2.73E-04	2.89E-04	2.57E-04	2.63E-04	2.48E-04	7.22E-05	7.34E-05	1.46E-04	7.04E-05	7.17E-05	1.42E-04	6.95E-05	7.07E-05	1.40E-04
3115	471363.09, 3846377.25	0.06795	0.06849	1.06E-02	1.12E-02	1.00E-02	1.03E-02	9.69E-03	2.82E-03	2.84E-03	5.66E-03	2.75E-03	2.77E-03	5.52E-03	2.71E-03	2.74E-03	5.45E-03
3116	471863.09, 3846377.25	0.05738	0.05783	8.99E-03	9.44E-03	8.47E-03	8.67E-03	8.18E-03	2.38E-03	2.40E-03	4.78E-03	2.32E-03	2.34E-03	4.66E-03	2.29E-03	2.31E-03	4.60E-03
3117	472363.09, 3846377.25	0.01746	0.01759	2.74E-03	2.87E-03	2.58E-03	2.64E-03	2.49E-03	7.24E-04	7.30E-04	1.45E-03	7.07E-04	7.12E-04	1.42E-03	6.97E-04	7.03E-04	1.40E-03
3118	472863.09, 3846377.25	0.01212	0.0122	1.90E-03	1.99E-03	1.79E-03	1.83E-03	1.73E-03	5.03E-04	5.06E-04	1.01E-03	4.91E-04	4.94E-04	9.85E-04	4.84E-04	4.87E-04	9.72E-04
3119	473363.09, 3846377.25	0.00955	0.00962	1.50E-03	1.57E-03	1.41E-03	1.44E-03	1.36E-03	3.96E-04	3.99E-04	7.95E-04	3.87E-04	3.89E-04	7.76E-04	3.81E-04	3.84E-04	7.66E-04
3120	473863.09, 3846377.25	0.00855	0.00864	1.34E-03	1.41E-03	1.26E-03	1.29E-03	1.22E-03	3.55E-04	3.58E-04	7.13E-04	3.46E-04	3.50E-04	6.96E-04	3.42E-04	3.45E-04	6.87E-04
3121	474363.09, 3846377.25	0.00773	0.00784	1.21E-03	1.28E-03	1.14E-03	1.17E-03	1.10E-03	3.21E-04	3.25E-04	6.46E-04	3.13E-04	3.17E-04	6.30E-04	3.09E-04	3.13E-04	6.22E-04
3122	474863.09, 3846377.25	0.00726	0.00736	1.14E-03	1.20E-03	1.07E-03	1.10E-03	1.04E-03	3.01E-04	3.05E-04	6.07E-04	2.94E-04	2.98E-04	5.92E-04	2.90E-04	2.94E-04	5.84E-04
3123	475363.09, 3846377.25	0.00675	0.00683	1.06E-03	1.11E-03	9.96E-04	1.02E-03	9.62E-04	2.80E-04	2.83E-04	5.63E-04	2.73E-04	2.77E-04	5.50E-04	2.70E-04	2.73E-04	5.42E-04
3124	475863.09, 3846377.25	0.00637	0.0064	9.98E-04	1.04E-03	9.40E-04	9.63E-04	9.08E-04	2.64E-04	2.66E-04	5.30E-04	2.58E-04	2.59E-04	5.17E-04	2.54E-04	2.56E-04	5.10E-04
3125	476363.09, 3846377.25	0.00585	0.00588	9.16E-04	9.60E-04	8.63E-04	8.84E-04	8.34E-04	2.43E-04	2.44E-04	4.87E-04	2.37E-04	2.38E-04	4.75E-04	2.34E-04	2.35E-04	4.69E-04
3126	476863.09, 3846377.25	0.00541	0.00547	8.47E-04	8.93E-04	7.98E-04	8.18E-04	7.71E-04	2.24E-04	2.27E-04	4.51E-04	2.19E-04	2.21E-04	4.40E-04	2.16E-04	2.19E-04	4.35E-04
3127	477363.09, 3846377.25	0.00502	0.0051	7.86E-04	8.32E-04	7.41E-04	7.59E-04	7.16E-04	2.08E-04	2.12E-04	4.20E-04	2.03E-04	2.06E-04	4.10E-04	2.01E-04	2.04E-04	4.04E-04
3128	477863.09, 3846377.25	0.00463	0.00471	7.25E-04	7.69E-04	6.83E-04	7.00E-04	6.60E-04	1.92E-04	1.95E-04	3.87E-04	1.87E-04	1.91E-04	3.78E-04	1.85E-04	1.88E-04	3.73E-04

3129	478363.09, 3846377.25	0.00435	0.0044	6.81E-04	7.18E-04	6.42E-04	6.58E-04	6.20E-04	1.80E-04	1.83E-04	3.63E-04	1.76E-04	1.78E-04	3.54E-04	1.74E-04	1.76E-04	3.50E-04
3130	478863.09, 3846377.25	0.00419	0.00422	6.56E-04	6.89E-04	6.18E-04	6.33E-04	5.97E-04	1.74E-04	1.75E-04	3.49E-04	1.70E-04	1.71E-04	3.40E-04	1.67E-04	1.69E-04	3.36E-04
3131	479363.09, 3846377.25	0.004	0.00404	6.27E-04	6.59E-04	5.90E-04	6.05E-04	5.70E-04	1.66E-04	1.68E-04	3.34E-04	1.62E-04	1.64E-04	3.25E-04	1.60E-04	1.61E-04	3.21E-04
3132	479863.09, 3846377.25	0.00379	0.00383	5.94E-04	6.25E-04	5.59E-04	5.73E-04	5.40E-04	1.57E-04	1.59E-04	3.16E-04	1.53E-04	1.55E-04	3.08E-04	1.51E-04	1.53E-04	3.04E-04
3133	480363.09, 3846377.25	0.00366	0.00369	5.73E-04	6.02E-04	5.40E-04	5.53E-04	5.22E-04	1.52E-04	1.53E-04	3.05E-04	1.48E-04	1.49E-04	2.98E-04	1.46E-04	1.47E-04	2.94E-04
3134	480863.09, 3846377.25	0.00337	0.0034	5.28E-04	5.55E-04	4.97E-04	5.09E-04	4.81E-04	1.40E-04	1.41E-04	2.81E-04	1.36E-04	1.38E-04	2.74E-04	1.35E-04	1.36E-04	2.70E-04
3135	481363.09, 3846377.25	0.00323	0.00326	5.06E-04	5.32E-04	4.77E-04	4.88E-04	4.61E-04	1.34E-04	1.35E-04	2.69E-04	1.31E-04	1.32E-04	2.63E-04	1.29E-04	1.30E-04	2.59E-04
3136	481863.09, 3846377.25	0.00305	0.00309	4.78E-04	5.04E-04	4.50E-04	4.61E-04	4.35E-04	1.27E-04	1.28E-04	2.55E-04	1.23E-04	1.25E-04	2.49E-04	1.22E-04	1.23E-04	2.45E-04
3137	482363.09, 3846377.25	0.00286	0.0029	4.48E-04	4.73E-04	4.22E-04	4.32E-04	4.08E-04	1.19E-04	1.20E-04	2.39E-04	1.16E-04	1.17E-04	2.33E-04	1.14E-04	1.16E-04	2.30E-04
3138	482863.09, 3846377.25	0.00261	0.00265	4.09E-04	4.33E-04	3.85E-04	3.95E-04	3.72E-04	1.08E-04	1.10E-04	2.18E-04	1.06E-04	1.07E-04	2.13E-04	1.04E-04	1.06E-04	2.10E-04
3139	483363.09, 3846377.25	0.00263	0.00266	4.12E-04	4.34E-04	3.88E-04	3.98E-04	3.75E-04	1.09E-04	1.10E-04	2.19E-04	1.06E-04	1.08E-04	2.14E-04	1.05E-04	1.06E-04	2.11E-04
3140	483863.09, 3846377.25	0.00256	0.00259	4.01E-04	4.23E-04	3.78E-04	3.87E-04	3.65E-04	1.06E-04	1.07E-04	2.14E-04	1.04E-04	1.05E-04	2.08E-04	1.02E-04	1.03E-04	2.06E-04
3141	484363.09, 3846377.25	0.00242	0.00245	3.79E-04	4.00E-04	3.57E-04	3.66E-04	3.45E-04	1.00E-04	1.02E-04	2.02E-04	9.80E-05	9.92E-05	1.97E-04	9.67E-05	9.79E-05	1.95E-04
3142	484863.09, 3846377.25	0.00248	0.00251	3.88E-04	4.10E-04	3.66E-04	3.75E-04	3.54E-04	1.03E-04	1.04E-04	2.07E-04	1.00E-04	1.02E-04	2.02E-04	9.91E-05	1.00E-04	1.99E-04
3143	485363.09, 3846377.25	0.00245	0.00247	3.84E-04	4.03E-04	3.62E-04	3.70E-04	3.49E-04	1.02E-04	1.02E-04	2.04E-04	9.92E-05	1.00E-04	1.99E-04	9.79E-05	9.87E-05	1.97E-04
3144	485863.09, 3846377.25	0.00235	0.00237	3.68E-04	3.87E-04	3.47E-04	3.55E-04	3.35E-04	9.75E-05	9.83E-05	1.96E-04	9.51E-05	9.59E-05	1.91E-04	9.39E-05	9.47E-05	1.89E-04
3145	486363.09, 3846377.25	0.00217	0.00219	3.40E-04	3.57E-04	3.20E-04	3.28E-04	3.09E-04	9.00E-05	9.09E-05	1.81E-04	8.79E-05	8.87E-05	1.77E-04	8.67E-05	8.75E-05	1.74E-04
3146	486863.09, 3846377.25	0.0021	0.00212	3.29E-04	3.46E-04	3.10E-04	3.17E-04	2.99E-04	8.71E-05	8.80E-05	1.75E-04	8.50E-05	8.58E-05	1.71E-04	8.39E-05	8.47E-05	1.69E-04
3147	487363.09, 3846377.25	0.00211	0.00213	3.31E-04	3.48E-04	3.11E-04	3.19E-04	3.01E-04	8.75E-05	8.84E-05	1.76E-04	8.54E-05	8.62E-05	1.72E-04	8.43E-05	8.51E-05	1.69E-04
3148	487863.09, 3846377.25	0.00218	0.0022	3.41E-04	3.59E-04	3.22E-04	3.30E-04	3.11E-04	9.04E-05	9.13E-05	1.82E-04	8.83E-05	8.91E-05	1.77E-04	8.71E-05	8.79E-05	1.75E-04
3149	488363.09, 3846377.25	0.00213	0.00216	3.34E-04	3.53E-04	3.14E-04	3.22E-04	3.04E-04	8.84E-05	8.96E-05	1.78E-04	8.62E-05	8.74E-05	1.74E-04	8.51E-05	8.63E-05	1.71E-04
3150	488863.09, 3846377.25	0.0021	0.00213	3.29E-04	3.48E-04	3.10E-04	3.17E-04	2.99E-04	8.71E-05	8.84E-05	1.75E-04	8.50E-05	8.62E-05	1.71E-04	8.39E-05	8.51E-05	1.69E-04
3151	489363.09, 3846377.25	0.00207	0.00209	3.24E-04	3.41E-04	3.06E-04	3.13E-04	2.95E-04	8.59E-05	8.67E-05	1.73E-04	8.38E-05	8.46E-05	1.68E-04	8.27E-05	8.35E-05	1.66E-04
3152	489863.09, 3846377.25	0.002	0.00202	3.13E-04	3.30E-04	2.95E-04	3.02E-04	2.85E-04	8.30E-05	8.38E-05	1.67E-04	8.10E-05	8.18E-05	1.63E-04	7.99E-05	8.07E-05	1.61E-04
3153	490363.09, 3846377.25	0.00183	0.00185	2.87E-04	3.02E-04	2.70E-04	2.77E-04	2.61E-04	7.59E-05	7.68E-05	1.53E-04	7.41E-05	7.49E-05	1.49E-04	7.31E-05	7.39E-05	1.47E-04
3154	490863.09, 3846377.25	0.00175	0.00177	2.74E-04	2.89E-04	2.58E-04	2.65E-04	2.50E-04	7.26E-05	7.34E-05	1.46E-04	7.08E-05	7.17E-05	1.43E-04	6.99E-05	7.07E-05	1.41E-04
3155	491363.09, 3846377.25	0.00172	0.00174	2.69E-04	2.84E-04	2.54E-04	2.60E-04	2.45E-04	7.14E-05	7.22E-05	1.44E-04	6.96E-05	7.04E-05	1.40E-04	6.87E-05	6.95E-05	1.38E-04
3156	491863.09, 3846377.25	0.00182	0.00183	2.85E-04	2.99E-04	2.69E-04	2.75E-04	2.60E-04	7.55E-05	7.59E-05	1.51E-04	7.37E-05	7.41E-05	1.48E-04	7.27E-05	7.31E-05	1.46E-04
3157	492363.09, 3846377.25	0.00177	0.00179	2.77E-04	2.92E-04	2.61E-04	2.68E-04	2.52E-04	7.34E-05	7.43E-05	1.48E-04	7.17E-05	7.25E-05	1.44E-04	7.07E-05	7.15E-05	1.42E-04
3158	492863.09, 3846377.25	0.00177	0.00178	2.77E-04	2.91E-04	2.61E-04	2.68E-04	2.52E-04	7.34E-05	7.38E-05	1.47E-04	7.17E-05	7.21E-05	1.44E-04	7.07E-05	7.11E-05	1.42E-04
3159	493363.09, 3846377.25	0.00183	0.00184	2.87E-04	3.00E-04	2.70E-04	2.77E-04	2.61E-04	7.59E-05	7.63E-05	1.52E-04	7.41E-05	7.45E-05	1.49E-04	7.31E-05	7.35E-05	1.47E-04
3160	493863.09, 3846377.25	0.00184	0.00186	2.88E-04	3.04E-04	2.72E-04	2.78E-04	2.62E-04	7.63E-05	7.72E-05	1.54E-04	7.45E-05	7.53E-05	1.50E-04	7.35E-05	7.43E-05	1.48E-04
3161	494363.09, 3846377.25	0.00184	0.00186	2.88E-04	3.04E-04	2.72E-04	2.78E-04	2.62E-04	7.63E-05	7.72E-05	1.54E-04	7.45E-05	7.53E-05	1.50E-04	7.35E-05	7.43E-05	1.48E-04
3162	494863.09, 3846377.25	0.00185	0.00187	2.90E-04	3.05E-04	2.73E-04	2.80E-04	2.64E-04	7.68E-05	7.76E-05	1.54E-04	7.49E-05	7.57E-05	1.51E-04	7.39E-05	7.47E-05	1.49E-04
3163	495363.09, 3846377.25	0.00185	0.00187	2.90E-04	3.05E-04	2.73E-04	2.80E-04	2.64E-04	7.68E-05	7.76E-05	1.54E-04	7.49E-05	7.57E-05	1.51E-04	7.39E-05	7.47E-05	1.49E-04
3164	495863.09, 3846377.25	0.00186	0.00188	2.91E-04	3.07E-04	2.75E-04	2.81E-04	2.65E-04	7.72E-05	7.80E-05	1.55E-04	7.53E-05	7.61E-05	1.51E-04	7.43E-05	7.51E-05	1.49E-04
3165	496363.09, 3846377.25	0.00187	0.00189	2.93E-04	3.09E-04	2.76E-04	2.83E-04	2.67E-04	7.76E-05	7.84E-05	1.56E-04	7.57E-05	7.65E-05	1.52E-04	7.47E-05	7.55E-05	1.50E-04
3166	496863.09, 3846377.25	0.00186	0.00189	2.91E-04	3.09E-04	2.75E-04	2.81E-04	2.65E-04	7.72E-05	7.84E-05	1.56E-04	7.53E-05	7.65E-05	1.52E-04	7.43E-05	7.55E-05	1.50E-04
3167	497363.09, 3846377.25	0.00186	0.00188	2.91E-04	3.07E-04	2.75E-04	2.81E-04	2.65E-04	7.72E-05	7.80E-05	1.55E-04	7.53E-05	7.61E-05	1.51E-04	7.43E-05	7.51E-05	1.49E-04
3168	497863.09, 3846377.25	0.00185	0.00187	2.90E-04	3.05E-04	2.73E-04	2.80E-04	2.64E-04	7.68E-05	7.76E-05	1.54E-04	7.49E-05	7.57E-05	1.51E-04	7.39E-05	7.47E-05	1.49E-04
3169	498363.09, 3846377.25	0.00183	0.00185	2.87E-04	3.02E-04	2.70E-04	2.77E-04	2.61E-04	7.59E-05	7.68E-05	1.53E-04	7.41E-05	7.49E-05	1.49E-04	7.31E-05	7.39E-05	1.47E-04
3170	471363.09, 3846877.25	0.00932	0.00942	1.46E-03	1.54E-03	1.38E-03	1.41E-03	1.33E-03	3.87E-04	3.91E-04	7.77E-04	3.77E-04	3.81E-04	7.59E-04	3.72E-04	3.76E-04	7.49E-04
3171	471863.09, 3846877.25	0.0198	0.01997	3.10E-03	3.26E-03	2.92E-03	2.99E-03	2.82E-03	8.21E-04	8.29E-04	1.65E-03	8.02E-04	8.08E-04	1.61E-03	7.91E-04	7.98E-04	1.59E-03
3172	472363.09, 3846877.25	0.25158	0.25299	3.94E-02	4.13E-02	3.71E-02	3.80E-02	3.59E-02	1.04E-02	1.05E-02	2.09E-02	1.02E-02	1.02E-02	2.04E-02	1.00E-02	1.01E-02	2.02E-02
3173	472863.09, 3846877.25	0.03012	0.03032	4.72E-03	4.95E-03	4.45E-03	4.55E-03	4.29E-03	1.25E-03	1.26E-03	2.51E-03	1.22E-03	1.23E-03	2.45E-03	1.20E-03	1.21E-03	2.41E-03
3174	473363.09, 3846877.25	0.01859	0.01872	2.91E-03	3.06E-03	2.74E-03	2.81E-03	2.65E-03	7.71E-04	7.77E-04	1.55E-03	7.53E-04	7.58E-04	1.51E-03	7.43E-04	7.48E-04	1.49E-03
3175	473863.09, 3846877.25	0.01503	0.01514	2.35E-03	2.47E-03	2.22E-03	2.27E-03	2.14E-03	6.24E-04	6.28E-04	1.25E-03	6.08E-04	6.13E-04	1.22E-03	6.00E-04	6.05E-04	1.21E-03
3176	474363.09, 3846877.25	0.01205	0.01216	1.89E-03	1.98E-03	1.78E-03	1.82E-03	1.72E-03	5.00E-04	5.04E-04	1.00E-03	4.88E-04	4.92E-04	9.80E-04	4.81E-04	4.86E-04	9.67E-04
3177	474863.09, 3846877.25	0.01022	0.01035	1.60E-03	1.69E-03	1.51E-03	1.54E-03	1.46E-03	4.24E-04	4.29E-04	8.53E-04	4.14E-04	4.19E-04	8.33E-04	4.08E-04	4.13E-04	8.22E-04
3178	475363.09, 3846877.25	0.00891	0.00903	1.40E-03	1.47E-03	1.32E-03	1.35E-03	1.27E-03	3.70E-04	3.75E-04	7.44E-04	3.61E-04	3.66E-04	7.26E-04	3.56E-04	3.61E-04	7.17E-04
3179	475863.09, 3846877.25	0.00838	0.00847	1.31E-03	1.38E-03	1.24E-03	1.27E-03	1.19E-03	3.48E-04	3.51E-04	6.99E-04	3.39E-04	3.43E-04	6.82E-04	3.35E-04	3.38E-04	6.73E-04
3180	476363.09, 3846877.25	0.00767	0.00771	1.20E-03	1.26E-03	1.13E-03	1.16E-03	1.09E-03	3.18E-04	3.20E-04	6.38E-04	3.11E-04	3.12E-04	6.23E-04	3.06E-04	3.08E-04	6.14E-04
3181	476863.09, 3846877.25	0.00694	0.00698	1.09E-03	1.14E-03	1.02E-03	1.05E-03	9.90E-04	2.88E-04	2.90E-04	5.78E-04	2.81E-04	2.83E-04	5.64E-04	2.77E-04	2.79E-04	5.56E-04
3182	477363.09, 3846877.25	0.00636	0.00644	9.96E-04	1.05E-03	9.39E-04	9.61E-04	9.07E-04	2.64E-04	2.67E-04	5.31E-04	2.57E-04	2.61E-04	5.18E-04	2.54E-04	2.57E-04	5.11E-04
3183	477863.09, 3846877.25	0.00578	0.00588	9.05E-04	9.60E-04	8.53E-04	8.74E-04	8.24E-04	2.40E-04	2.44E-04	4.84E-04	2.34E-04	2.38E-04	4.72E-04	2.31E-04	2.35E-04	4.66E-04
3184	478363.09, 3846877.25	0.00537	0.00545	8.41E-04	8.90E-04	7.93E-04	8.12E-04	7.66E-04	2.23E-04	2.26E-04	4.49E-04	2.17E-04	2.21E-04	4.38E-04	2.15E-04	2.18E-04	4.32E-04
3185	478863.09, 3846877.25	0.0051	0.00515	7.99E-04	8.41E-04	7.53E-04	7.71E-04	7.27E-04	2.12E-04	2.14E-04	4.25E-04	2.06E-04	2.08E-04	4.15E-04	2.04E-04	2.06E-04	4.09E-04
3186	479363.09, 3846877.25	0.00478	0.00483	7.49E-04	7.88E-04	7.05E-04	7.23E-04	6.82E-04	1.98E-04	2.00E-04	3.99E-04	1.94E-04	1.96E-04	3.89E-04	1.91E-04	1.93E-04	3.84E-04
3187	479863.09, 3846877.25	0.00425	0.00429	6.66E-04	7.00E-04	6.27E-04	6.42E-04	6.06E-04	1.76E-04	1.78E-04	3.54E-04	1.72E-04	1.74E-04	3.46E-04	1.70E-04	1.71E-04	3.41E-04
3188	480363.09, 3846877.25	0.00388	0.00391	6.08E-04	6.38E-04	5.73E-04	5.87E-04	5.53E-04	1.61E-04	1.62E-04	3.23E-04	1.57E-04	1.58E-04	3.15E-04	1.55E-04	1.56E-04	3.11E-04
3189	480863.09, 3846877.25	0.00365	0.00368	5.72E-04	6.01E-04	5.39E-04	5.52E-04	5.20E-04	1.51E-04	1.53E-04	3.04E-04	1.48E-04	1.49E-04	2.97E-04	1.46E-04	1.47E-04	2.93E-04
3190	481363.09, 3846877.25	0.0036	0.00364	5.64E-04	5.94E-04	5.31E-04	5.44E-04	5.13E-04	1.49E-04	1.51E-04	3.00E-04	1.46E-04	1.47E-04	2.93E-04	1.44E-04	1.45E-04	2.89E-04
3191	481863.09, 3846877.25	0.00346	0.0035	5.42E-04	5.71E-04	5.11E-04	5.23E-04	4.93E-04	1.44E-04	1.45E-04	2.89E-04	1.40E-04	1.42E-04	2.82E-04	1.38E-04	1.40E-04	2.78E-04
3192	482363.09, 3846877.25	0.00319	0.00323	5.00E-04	5.27E-04	4.71E-04	4.82E-04	4.55E-04	1.32E-04	1.34E-04	2.66E-04	1.29E-04	1.31E-04	2.60E-04	1.27E-04	1.29E-04	2.56E-04
3193	482863.09, 3846877.25	0.00308	0.00312	4.82E-04	5.09E-04	4.55E-04	4.66E-04	4.39E-04	1.28E-04	1.29E-04	2.57E-04	1.25E-04	1.26E-04	2.51E-04	1.23E-04	1.25E-04	2.48E-04
3194	483363.09, 3846877.25	0.00299	0.00302	4.68E-04	4.93E-04	4.41E-04	4.52E-04	4.26E-04	1.24E-04	1.25E-04	2.49E-04	1.21E-04	1.22E-04	2.43E-04	1.19E-04	1.21E-04	2.40E-04
3195	483863.09, 3846877.25	0.0029	0.00294	4.54E-04	4.80E-04	4.28E-04	4.38E-04	4.13E-04	1.20E-04	1.22E-04	2.42E-04	1.17E-04	1.19E-04	2.36E-04	1.16E-04	1.17E-04	2.33E-04
3196	484363.09, 3846877.25	0.00286	0.00289	4.48E-04	4.72E-04	4.22E-04	4.32E-04	4.08E-04	1.19E-04	1.20E-04	2.39E-04	1.16E-04	1.17E-04	2.33E-04	1.14E-04	1.15E-04	2.30E-04
3197	484863.09, 3846877.25	0.00277	0.0028	4.34E-04	4.57E-04	4.09E-04	4.19E-04	3.95E-04	1.15E-04	1.16E-04	2.31E-04	1.12E-04	1.13E-04	2.25E-04	1.11E-04	1.12E-04	2.23E-04
3198	485363.09, 3846877.25	0.00273	0.00276	4.28E-04	4.51E-04	4.03E-04	4.13E-04	3.89E-04	1.13E-04	1.15E-04	2.28E-04	1.11E-04	1.12E-04	2.22E-04	1.09E-04	1.10E-04	2.19E-04
3199	485863.09, 3846877.25	0.00263	0.00266	4.12E-04	4.34E-04	3.88E-04	3.98E-04	3.75E-04	1.09E-04	1.10E-04	2.19E-04	1.06E-04	1.08E-04	2.14E-04	1.05E-04	1.06E-04	2.11E-04
3200	486363.09, 3846877.25	0.00264	0.00267	4.14E-04	4.36E-04	3.90E-04	3.99E-04	3.76E-04	1.10E-04	1.11E-04	2.20E-04	1.07E-04	1.08E-04	2.15E-04	1.05E-04	1.07E-04	2.12E-04
3201	486863.09, 3846877.25	0.00244	0.00247	3.82E-04	4.03E-04	3.60E-04	3.69E-04	3.48E-04	1.01E-04	1.02E-04	2.04E-04	9.88E-05	1.00E-04	1.99E-04	9.75E-05	9.87E-05	1.96E-04
3202	487363.09, 3846877.25	0.00243	0.00246	3.81E-04	4.02E-04	3.59E-04	3.67E-04	3.46E-04	1.01E-04	1.02E-04	2.03E-04	9.84E-05	9.96E-05	1.98E-04	9.71E-05	9.83E-05	1.95E-04
3203	487863.09, 3846877.25	0.00239	0.00241	3.74E-04	3.93E-04	3.53E-04	3.61E-04	3.41E-04	9.92E-05	1.00E-04	1.99E-04	9.68E-05	9.76E-05	1.94E-04	9.55E-05	9.63E-05	1.92E-04
3204	488363.09, 3846877.25	0.00232	0.00235	3.63E-04	3.84E-04	3.42E-04	3.51E-04	3.31E-04	9.63E-05	9.75E-05	1.94E-04	9.39E-05	9.51E-05	1.89E-04	9.27E-05	9.39E-05	1.87E-04
3205	488863.09, 3846877.25	0.00229	0.00231	3.59E-04	3.77E-04	3.38E-04	3.46E-04	3.27E-04	9.50E-05	9.58E-05	1.91E-04	9.27E-05	9.35E-05	1.86E-04	9.15E-05	9.23E-05	1.84E-04
3206	489363.09, 3846877.25	0.00226	0.00228	3.54E-04	3.72E-04	3.34E-04	3.42E-04	3.22E-04	9.38E-05	9.46E-05	1.88E-04	9.15E-05	9.23E-05	1.84E-04	9.03E-05	9.11E-05	1.81E-04
3207	489863.09, 3846877.25	0.00218	0.00221	3.41E-04	3.61E-04	3.22E-04	3.30E-04	3.11E-04	9.04E-05	9.17E-05	1.82E-04	8.83E-05	8.95E-05	1.78E-04	8.71E-05	8.83E-05	1.75E-04
3208	490363.09, 3846877.25	0.00203	0.00205	3.18E-04	3.35E-04	3.00E-04	3.07E-04	2.89E-04	8.42E-05	8.51E-05	1.69E-04	8.22E-05	8.30E-05	1.65E-04	8.11E-05	8.19E-05	1.63E-04
3209	490863.09, 3846877.25	0.00196	0.00198	3.07E-04	3.23E-04	2.89E-04	2.96E-04	2.79E-04	8.13E-05	8.21E-05	1.63E-04	7.93E-05	8.02E-05	1.60E-04	7.83E-05	7.91E-05	1.57E-04
3210	491363.09, 3846877.25	0.00194	0.00196	3.04E-04	3.20E-04	2.86E-04	2.93E-04	2.77E-04	8.05E-05	8.13E-05	1.62E-04	7.85E-05	7.93E-05	1.58E-04	7.75E-05	7.83E-05	1.56E-04
3211	491863.09, 3846877.25	0.00187	0.00189	2.93E-04	3.09E-04	2.76E-04	2.83E-04	2.67E-04	7.76E-05	7.84E-05	1.56E-04	7.57E-05	7.65E-05	1.52E-04	7.47E-05	7.55E-05	1.50E-04
3212	492363.09, 3846877.25	0.00196	0.00198	3.07E-04	3.23E-04	2.89E-04	2.96E-04	2.79E-04	8.13E-05	8.21E-05	1.63E-04	7.93E-05	8.02E-05	1.60E-04	7.83E-05	7.91E-05	1.57E-04
3213	492863.09, 3846877.25	0.00195	0.00197	3.05E-04	3.22E-04	2.88E-04	2.95E-04	2.78E-04	8.09E-05	8.17E-05	1.63E-04	7.89E-05	7.98E-05	1.59E-04	7.79E-05	7.87E-05	1.57E-04
3214	493363.09, 3846877.25	0.00195	0.00198	3.05E-04	3.23E-04	2.88E-04	2.95E-04	2.78E-04	8.09E-05	8.21E-05	1.63E-04	7.89E-05	8.02E-05	1.59E-04	7.79E-05	7.91E-05	1.57E-04
3215	493863.09, 3846877.25	0.00195	0.00197	3.05E-04	3.22E-04	2.88E-04	2.95E-04	2.78E-04	8.09E-05	8.17E-05	1.63E-04	7.89E-05	7.98E-05	1.59E-04	7.79E-05	7.87E-05	1.57E-04
3216	494363.09, 3846877.25	0.00194	0.00196	3.04E-04	3.20E-04	2.86E-04	2.93E-04	2.77E-04	8.05E-05	8.13E-05	1.62E-04	7.85E-05	7.93E-05	1.58E-04	7.75E-05	7.83E-05	1.56E-04
3217	494863.09, 3846877.25	0.00193	0.00195	3.02E-04	3.18E-04	2.85E-04	2.92E-04	2.75E-04	8.01E-05	8.09E-05	1.61E-04	7.81E-05	7.89E-05	1.57E-04	7.71E-05	7.79E-05	1.55E-04
3218	495363.09, 3846877.25	0.00192	0.00194	3.01E-04	3.17E-04	2.83E-04	2.90E-04	2.74E-04	7.97E-05	8.05E-05	1.60E-04	7.77E-05	7.85E-05	1.56E-04	7.67E-05	7.75E-05	1.54E-04
3219	495863.09, 3846877.25	0.00191	0.00194	2.99E-04	3.17E-04	2.82E-04	2.89E-04	2.72E-04	7.92E-05	8.05E-05	1.60E-04	7.73E-05	7.85E-05	1.56E-04	7.63E-05	7.75E-05	1.54E-04
3220	496363.09, 3846877.25	0.00191	0.00193	2.99E-04	3.15E-04	2.82E-04	2.89E-04	2.72E-04	7.92E-05	8.01E-05	1.59E-04	7.73E-05	7.81E-05	1.55E-04	7.63E-05	7.71E-05	1.53E-04
3221	496863.09, 3846877.25	0.00192	0.00194	3.01E-04	3.17E-04	2.83E-04	2.90E-04	2.74E-04	7.97E-05	8.05E-05	1.60E-04	7.77E-05	7.85E-05	1.56E-04	7.67E-05	7.75E-05	1.54E-04
3222	497363.09, 3846877.25	0.00193	0.00196	3.02E-04	3.20E-04	2.85E-04	2.92E-04	2.75E-04	8.01E-05	8.13E-05	1.61E-04	7.81E-05	7.93E-05	1.57E-04	7.71E-05	7.83E-05	1.55E-04
3223	497863.09, 3846877.25	0.00194	0.00196	3.04E-04	3.20E-04	2.86E-04	2.93E-04	2.77E-04	8.05E-05	8.13E-05	1.62E-04	7.85E-05	7.93E-05	1.58E-04	7.75E-05	7.83E-05	1.56E-04
3224	498363.09, 3846877.25	0.00191	0.00194	2.99E-04	3.17E-04	2.82E-04	2.89E-04	2.72E-04	7.92E-05	8.05E-05	1.60E-04	7.73E-05	7.85E-05	1.56E-04	7.63E-05	7.75E-05	1.54E-04
3225	471363.09, 3847377.25	0.00603	0.00608	9.45E-04	9.92E-04	8.90E-04	9.12E-04	8.60E-04	2.50E-04	2.52E-04	5.02E-04	2.44E-04	2.46E-04	4.90E-04	2.41E-04	2.43E-04	4.84E-04
3226	471863.09, 3847377.25	0.00823	0.00831	1.29E-03	1.36E-03	1.21E-03	1.24E-03	1.17E-03	3.41E-04	3.45E-04	6.86E-04	3.33E-04	3.36E-04	6.70E-04	3.29E-04	3.32E-04	6.61E-04
3227	472363.09, 3847377.25	0.01418	0.01432	2.22E-03	2.34E-03	2.09E-03	2.14E-03	2.02E-03	5.88E-04	5.94E-04	1.18E-03	5.74E-04	5.80E-04	1.15E-03	5.66E-04	5.72E-04	1.14E-03
3228	472863.09, 3847377.25	0.06355	0.06398	9.96E-03	1.04E-02	9.38E-03	9.61E-03	9.06E-03	2.64E-03	2.65E-03	5.29E-03	2.57E-03	2.59E-03	5.16E-03	2.54E-03	2.56E-03	5.09E-03
3229	473363.09, 3847377.25	0.05848	0.05901	9.16E-03	9.63E-03	8.63E-03	8.84E-03	8.34E-03	2.43E-03	2.45E-03	4.87E-03	2.37E-03	2.39E-03	4.76E-03	2.34E-03	2.36E-03	4.69E-03
3230	473863.09, 3847377.25	0.0275	0.02774	4.31E-03	4.53E-03	4.06E-03	4.16E-03	3.92E-03	1.14E-03	1.15E-03	2.29E-03	1.11E-03	1.12E-03	2.24E-03	1.10E-03	1.11E-03	2.21E-03
3231	474363.09, 3847377.25	0.02017	0.02034	3.16E-03	3.32E-03	2.98E-03	3.05E-03	2.88E-03	8.37E-04	8.44E-04	1.68E-03	8.17E-04	8.23E-04	1.64E-03	8.06E-04	8.13E-04	1.62E-03
3232	474863.09, 3847377.25	0.01491	0.01506	2.34E-03	2.46E-03	2.20E-03	2.25E-03	2.13E-03	6.19E-04	6.25E-04	1.24E-03	6.04E-04	6.10E-04	1.21E-03	5.96E-04	6.02E-04	1.20E-03
3233	475363.09, 3847377.25	0.01186	0.01201	1.86E-03	1.96E-03	1.75E-03	1.79E-03	1.69E-03	4.92E-04	4.98E-04	9.90E-04	4.80E-04	4.86E-04	9.66E-04	4.74E-04	4.80E-04	9.54E-04
3234	475863.09, 3847377.25	0.01089	0.01104	1.71E-03	1.80E-03	1.61E-03	1.65E-03	1.55E-03	4.52E-04	4.58E-04	9.10E-04	4.41E-04	4.47E-04	8.88E-04	4.35E-04	4.41E-04	8.76E-04
3235	476363.09, 3847377.25	0.00996	0.01007	1.56E-03	1.64E-03	1.47E-03	1.51E-03	1.42E-03	4.13E-04	4.18E-04	8.31E-04	4.03E-04	4.08E-04	8.11E-04	3.98E-04	4.02E-04	8.00E-04
3236	476863.09, 3847377.25	0.00872	0.00877	1.37E-03	1.43E-03	1.29E-03	1.32E-03	1.24E-03	3.62E-04	3.64E-04	7.26E-04	3.53E-04	3.55E-04	7.08E-04	3.48E-04	3.50E-04	6.99E-04
3237	477363.09, 3847377.25	0.00789	0.00795	1.24E-03	1.30E-03	1.16E-03	1.19E-03	1.12E-03	3.27E-04	3.30E-04	6.57E-04	3.19E-04	3.22E-04	6.41E-04	3.15E-04	3.18E-04	6.33E-04
3238	477863.09, 3847377.25	0.00712	0.00721	1.12E-03	1.18E-03	1.05E-03	1.08E-03	1.02E-03	2.95E-04	2.99E-04	5.95E-04	2.88E-04	2.92E-04	5.80E-04	2.84E-04	2.88E-04	5.72E-04
3239	478363.09, 3847377.25	0.00652	0.00663	1.02E-03	1.08E-03	9.62E-04	9.86E-04	9.30E-04	2.71E-04	2.75E-04	5.46E-04	2.64E-04	2.68E-04	5.32E-04	2.60E-04	2.65E-04	5.25E-04
3240	478863.09, 3847377.25	0.00613	0.00621	9.60E-04	1.01E-03	9.05E-04	9.27E-04	8.74E-04	2.54E-04	2.58E-04	5.12E-04	2.48E-04	2.51E-04	5.00E-04	2.45E-04	2.48E-04	4.93E-04
3241	479363.09, 3847377.25	0.00544	0.00549	8.52E-04	8.96E-04	8.03E-04	8.22E-04	7.76E-04	2.26E-04	2.28E-04	4.53E-04	2.20E-04	2.22E-04	4.42E-04	2.17E-04	2.19E-04	4.37E-04
3242	479863.09, 3847377.25	0.00466	0.00471	7.30E-04	7.69E-04	6.88E-04	7.04E-04	6.64E-04	1.93E-04	1.95E-04	3.89E-04	1.89E-04	1.91E-04	3.79E-04	1.86E-04	1.88E-04	3.74E-04
3243	480363.09, 3847377.25	0.00394	0.00396	6.17E-04	6.46E-04	5.81E-04	5.96E-04	5.62E-04	1.63E-04	1.64E-04	3.28E-04	1.60E-04	1.60E-04	3.20E-04	1.57E-04	1.58E-04	3.16E-04
3244	480863.09, 3847377.25	0.00365	0.00367	5.72E-04	5.99E-04	5.39E-04	5.52E-04	5.20E-04	1.51E-04	1.52E-04	3.04E-04	1.48E-04	1.49E-04	2.96E-04	1.46E-04	1.47E-04	2.92E-04

3245	481363.09, 3847377.25	0.0037	0.00373	5.80E-04	6.09E-04	5.46E-04	5.59E-04	5.28E-04	1.54E-04	1.55E-04	3.08E-04	1.50E-04	1.51E-04	3.01E-04	1.48E-04	1.49E-04	2.97E-04
3246	481863.09, 3847377.25	0.00391	0.00396	6.13E-04	6.46E-04	5.77E-04	5.91E-04	5.58E-04	1.62E-04	1.64E-04	3.27E-04	1.58E-04	1.60E-04	3.19E-04	1.56E-04	1.58E-04	3.14E-04
3247	482363.09, 3847377.25	0.00376	0.00381	5.89E-04	6.22E-04	5.55E-04	5.68E-04	5.36E-04	1.56E-04	1.58E-04	3.14E-04	1.52E-04	1.54E-04	3.06E-04	1.50E-04	1.52E-04	3.02E-04
3248	482863.09, 3847377.25	0.00356	0.00361	5.58E-04	5.89E-04	5.25E-04	5.38E-04	5.08E-04	1.48E-04	1.50E-04	2.97E-04	1.44E-04	1.46E-04	2.90E-04	1.42E-04	1.44E-04	2.86E-04
3249	483363.09, 3847377.25	0.00338	0.00343	5.29E-04	5.60E-04	4.99E-04	5.11E-04	4.82E-04	1.40E-04	1.42E-04	2.83E-04	1.37E-04	1.39E-04	2.76E-04	1.35E-04	1.37E-04	2.72E-04
3250	483863.09, 3847377.25	0.00329	0.00333	5.15E-04	5.44E-04	4.86E-04	4.97E-04	4.69E-04	1.36E-04	1.38E-04	2.75E-04	1.33E-04	1.35E-04	2.68E-04	1.31E-04	1.33E-04	2.64E-04
3251	484363.09, 3847377.25	0.00328	0.00332	5.14E-04	5.42E-04	4.84E-04	4.96E-04	4.68E-04	1.36E-04	1.38E-04	2.74E-04	1.33E-04	1.34E-04	2.67E-04	1.31E-04	1.33E-04	2.64E-04
3252	484863.09, 3847377.25	0.00316	0.0032	4.95E-04	5.22E-04	4.66E-04	4.78E-04	4.51E-04	1.31E-04	1.33E-04	2.64E-04	1.28E-04	1.30E-04	2.57E-04	1.26E-04	1.28E-04	2.54E-04
3253	485363.09, 3847377.25	0.00308	0.00311	4.82E-04	5.08E-04	4.55E-04	4.66E-04	4.39E-04	1.28E-04	1.29E-04	2.57E-04	1.25E-04	1.26E-04	2.51E-04	1.23E-04	1.24E-04	2.47E-04
3254	485863.09, 3847377.25	0.00303	0.00307	4.75E-04	5.01E-04	4.47E-04	4.58E-04	4.32E-04	1.26E-04	1.27E-04	2.53E-04	1.23E-04	1.24E-04	2.47E-04	1.21E-04	1.23E-04	2.44E-04
3255	486363.09, 3847377.25	0.00299	0.00302	4.68E-04	4.93E-04	4.41E-04	4.52E-04	4.26E-04	1.24E-04	1.25E-04	2.49E-04	1.21E-04	1.22E-04	2.43E-04	1.19E-04	1.21E-04	2.40E-04
3256	486863.09, 3847377.25	0.00279	0.00282	4.37E-04	4.60E-04	4.12E-04	4.22E-04	3.98E-04	1.16E-04	1.17E-04	2.33E-04	1.13E-04	1.14E-04	2.27E-04	1.11E-04	1.13E-04	2.24E-04
3257	487363.09, 3847377.25	0.00276	0.00279	4.32E-04	4.55E-04	4.07E-04	4.17E-04	3.94E-04	1.15E-04	1.16E-04	2.30E-04	1.12E-04	1.13E-04	2.25E-04	1.10E-04	1.11E-04	2.22E-04
3258	487863.09, 3847377.25	0.00263	0.00266	4.12E-04	4.34E-04	3.88E-04	3.98E-04	3.75E-04	1.09E-04	1.10E-04	2.19E-04	1.06E-04	1.08E-04	2.14E-04	1.05E-04	1.06E-04	2.11E-04
3259	488363.09, 3847377.25	0.00256	0.00258	4.01E-04	4.21E-04	3.78E-04	3.87E-04	3.65E-04	1.06E-04	1.07E-04	2.13E-04	1.04E-04	1.04E-04	2.08E-04	1.02E-04	1.03E-04	2.05E-04
3260	488863.09, 3847377.25	0.00251	0.00253	3.93E-04	4.13E-04	3.70E-04	3.79E-04	3.58E-04	1.04E-04	1.05E-04	2.09E-04	1.02E-04	1.02E-04	2.04E-04	1.00E-04	1.01E-04	2.01E-04
3261	489363.09, 3847377.25	0.00246	0.00249	3.85E-04	4.06E-04	3.63E-04	3.72E-04	3.51E-04	1.02E-04	1.03E-04	2.05E-04	9.96E-05	1.01E-04	2.00E-04	9.83E-05	9.95E-05	1.98E-04
3262	489863.09, 3847377.25	0.00235	0.00237	3.68E-04	3.87E-04	3.47E-04	3.55E-04	3.35E-04	9.75E-05	9.83E-05	1.96E-04	9.51E-05	9.59E-05	1.91E-04	9.39E-05	9.47E-05	1.89E-04
3263	490363.09, 3847377.25	0.00224	0.00226	3.51E-04	3.69E-04	3.31E-04	3.39E-04	3.19E-04	9.29E-05	9.38E-05	1.87E-04	9.07E-05	9.15E-05	1.82E-04	8.95E-05	9.03E-05	1.80E-04
3264	490863.09, 3847377.25	0.00219	0.00222	3.43E-04	3.62E-04	3.23E-04	3.31E-04	3.12E-04	9.09E-05	9.21E-05	1.83E-04	8.87E-05	8.99E-05	1.79E-04	8.75E-05	8.87E-05	1.76E-04
3265	491363.09, 3847377.25	0.00214	0.00216	3.35E-04	3.53E-04	3.16E-04	3.23E-04	3.05E-04	8.88E-05	8.96E-05	1.78E-04	8.66E-05	8.74E-05	1.74E-04	8.55E-05	8.63E-05	1.72E-04
3266	491863.09, 3847377.25	0.00216	0.00218	3.38E-04	3.56E-04	3.19E-04	3.27E-04	3.08E-04	8.96E-05	9.04E-05	1.80E-04	8.74E-05	8.83E-05	1.76E-04	8.63E-05	8.71E-05	1.73E-04
3267	492363.09, 3847377.25	0.0021	0.00213	3.29E-04	3.48E-04	3.10E-04	3.17E-04	2.99E-04	8.71E-05	8.84E-05	1.75E-04	8.50E-05	8.62E-05	1.71E-04	8.39E-05	8.51E-05	1.69E-04
3268	492863.09, 3847377.25	0.0021	0.00212	3.29E-04	3.46E-04	3.10E-04	3.17E-04	2.99E-04	8.71E-05	8.80E-05	1.75E-04	8.50E-05	8.58E-05	1.71E-04	8.39E-05	8.47E-05	1.69E-04
3269	493363.09, 3847377.25	0.00208	0.0021	3.26E-04	3.43E-04	3.07E-04	3.14E-04	2.97E-04	8.63E-05	8.71E-05	1.73E-04	8.42E-05	8.50E-05	1.69E-04	8.31E-05	8.39E-05	1.67E-04
3270	493863.09, 3847377.25	0.00203	0.00205	3.18E-04	3.35E-04	3.00E-04	3.07E-04	2.89E-04	8.42E-05	8.51E-05	1.69E-04	8.22E-05	8.30E-05	1.65E-04	8.11E-05	8.19E-05	1.63E-04
3271	494363.09, 3847377.25	0.00199	0.00201	3.12E-04	3.28E-04	2.94E-04	3.01E-04	2.84E-04	8.26E-05	8.34E-05	1.66E-04	8.06E-05	8.14E-05	1.62E-04	7.95E-05	8.03E-05	1.60E-04
3272	494863.09, 3847377.25	0.00196	0.00199	3.07E-04	3.25E-04	2.89E-04	2.96E-04	2.79E-04	8.13E-05	8.26E-05	1.64E-04	7.93E-05	8.06E-05	1.60E-04	7.83E-05	7.95E-05	1.58E-04
3273	495363.09, 3847377.25	0.00194	0.00197	3.04E-04	3.22E-04	2.86E-04	2.93E-04	2.77E-04	8.05E-05	8.17E-05	1.62E-04	7.85E-05	7.98E-05	1.58E-04	7.75E-05	7.87E-05	1.56E-04
3274	495863.09, 3847377.25	0.00193	0.00196	3.02E-04	3.20E-04	2.85E-04	2.92E-04	2.75E-04	8.01E-05	8.13E-05	1.61E-04	7.81E-05	7.93E-05	1.57E-04	7.71E-05	7.83E-05	1.55E-04
3275	496363.09, 3847377.25	0.00192	0.00195	3.01E-04	3.18E-04	2.83E-04	2.90E-04	2.74E-04	7.97E-05	8.09E-05	1.61E-04	7.77E-05	7.89E-05	1.57E-04	7.67E-05	7.79E-05	1.55E-04
3276	496863.09, 3847377.25	0.00194	0.00196	3.04E-04	3.20E-04	2.86E-04	2.93E-04	2.77E-04	8.05E-05	8.13E-05	1.62E-04	7.85E-05	7.93E-05	1.58E-04	7.75E-05	7.83E-05	1.56E-04
3277	497363.09, 3847377.25	0.00196	0.00199	3.07E-04	3.25E-04	2.89E-04	2.96E-04	2.79E-04	8.13E-05	8.26E-05	1.64E-04	7.93E-05	8.06E-05	1.60E-04	7.83E-05	7.95E-05	1.58E-04
3278	497863.09, 3847377.25	0.002	0.00203	3.13E-04	3.31E-04	2.95E-04	3.02E-04	2.85E-04	8.30E-05	8.42E-05	1.67E-04	8.10E-05	8.22E-05	1.63E-04	7.99E-05	8.11E-05	1.61E-04
3279	498363.09, 3847377.25	0.00199	0.00202	3.12E-04	3.30E-04	2.94E-04	3.01E-04	2.84E-04	8.26E-05	8.38E-05	1.66E-04	8.06E-05	8.18E-05	1.62E-04	7.95E-05	8.07E-05	1.60E-04
3280	471363.09, 3847877.25	0.00476	0.00479	7.46E-04	7.82E-04	7.03E-04	7.20E-04	6.79E-04	1.97E-04	1.99E-04	3.96E-04	1.93E-04	1.94E-04	3.87E-04	1.90E-04	1.91E-04	3.81E-04
3281	471863.09, 3847877.25	0.00576	0.00581	9.02E-04	9.48E-04	8.50E-04	8.71E-04	8.21E-04	2.39E-04	2.41E-04	4.80E-04	2.33E-04	2.35E-04	4.68E-04	2.30E-04	2.32E-04	4.62E-04
3282	472363.09, 3847877.25	0.00755	0.00763	1.18E-03	1.25E-03	1.11E-03	1.14E-03	1.08E-03	3.13E-04	3.17E-04	6.30E-04	3.06E-04	3.09E-04	6.15E-04	3.02E-04	3.05E-04	6.06E-04
3283	472863.09, 3847877.25	0.0112	0.01131	1.75E-03	1.85E-03	1.65E-03	1.69E-03	1.60E-03	4.65E-04	4.69E-04	9.34E-04	4.53E-04	4.58E-04	9.11E-04	4.47E-04	4.52E-04	8.99E-04
3284	473363.09, 3847877.25	0.02218	0.02232	3.47E-03	3.64E-03	3.27E-03	3.35E-03	3.16E-03	9.20E-04	9.26E-04	1.85E-03	8.98E-04	9.04E-04	1.80E-03	8.86E-04	8.92E-04	1.78E-03
3285	473863.09, 3847877.25	0.39225	0.38905	6.14E-02	6.35E-02	5.79E-02	5.93E-02	5.59E-02	1.63E-02	1.61E-02	3.24E-02	1.59E-02	1.58E-02	3.16E-02	1.57E-02	1.55E-02	3.12E-02
3286	474363.09, 3847877.25	0.04217	0.04266	6.61E-03	6.96E-03	6.22E-03	6.37E-03	6.01E-03	1.75E-03	1.77E-03	3.52E-03	1.71E-03	1.73E-03	3.43E-03	1.68E-03	1.70E-03	3.39E-03
3287	474863.09, 3847877.25	0.0256	0.0258	4.01E-03	4.21E-03	3.78E-03	3.87E-03	3.65E-03	1.06E-03	1.07E-03	2.13E-03	1.04E-03	1.04E-03	2.08E-03	1.02E-03	1.03E-03	2.05E-03
3288	475363.09, 3847877.25	0.01717	0.01732	2.69E-03	2.83E-03	2.53E-03	2.60E-03	2.45E-03	7.12E-04	7.19E-04	1.43E-03	6.95E-04	7.01E-04	1.40E-03	6.86E-04	6.92E-04	1.38E-03
3289	475863.09, 3847877.25	0.01319	0.01334	2.07E-03	2.18E-03	1.95E-03	1.99E-03	1.88E-03	5.47E-04	5.53E-04	1.10E-03	5.34E-04	5.40E-04	1.07E-03	5.27E-04	5.33E-04	1.06E-03
3290	476363.09, 3847877.25	0.01256	0.01272	1.97E-03	2.08E-03	1.85E-03	1.90E-03	1.79E-03	5.21E-04	5.28E-04	1.05E-03	5.08E-04	5.15E-04	1.02E-03	5.02E-04	5.08E-04	1.01E-03
3291	476863.09, 3847877.25	0.01099	0.0111	1.72E-03	1.81E-03	1.62E-03	1.66E-03	1.57E-03	4.56E-04	4.61E-04	9.16E-04	4.45E-04	4.49E-04	8.94E-04	4.39E-04	4.43E-04	8.82E-04
3292	477363.09, 3847877.25	0.00974	0.00979	1.53E-03	1.60E-03	1.44E-03	1.47E-03	1.39E-03	4.04E-04	4.06E-04	8.10E-04	3.94E-04	3.96E-04	7.91E-04	3.89E-04	3.91E-04	7.80E-04
3293	477863.09, 3847877.25	0.00881	0.00888	1.38E-03	1.45E-03	1.30E-03	1.33E-03	1.26E-03	3.66E-04	3.68E-04	7.34E-04	3.57E-04	3.60E-04	7.16E-04	3.52E-04	3.55E-04	7.07E-04
3294	478363.09, 3847877.25	0.00797	0.00807	1.25E-03	1.32E-03	1.18E-03	1.20E-03	1.14E-03	3.31E-04	3.35E-04	6.65E-04	3.23E-04	3.27E-04	6.49E-04	3.18E-04	3.22E-04	6.41E-04
3295	478863.09, 3847877.25	0.00734	0.00745	1.15E-03	1.22E-03	1.08E-03	1.11E-03	1.05E-03	3.05E-04	3.09E-04	6.14E-04	2.97E-04	3.02E-04	5.99E-04	2.93E-04	2.98E-04	5.91E-04
3296	479363.09, 3847877.25	0.00615	0.00622	9.63E-04	1.02E-03	9.08E-04	9.30E-04	8.77E-04	2.55E-04	2.58E-04	5.13E-04	2.49E-04	2.52E-04	5.01E-04	2.46E-04	2.48E-04	4.94E-04
3297	479863.09, 3847877.25	0.00478	0.00482	7.49E-04	7.87E-04	7.05E-04	7.23E-04	6.82E-04	1.98E-04	2.00E-04	3.98E-04	1.94E-04	1.95E-04	3.89E-04	1.91E-04	1.93E-04	3.83E-04
3298	480363.09, 3847877.25	0.0047	0.00474	7.36E-04	7.74E-04	6.94E-04	7.10E-04	6.70E-04	1.95E-04	1.97E-04	3.92E-04	1.90E-04	1.92E-04	3.82E-04	1.88E-04	1.89E-04	3.77E-04
3299	480863.09, 3847877.25	0.00433	0.00436	6.78E-04	7.12E-04	6.39E-04	6.55E-04	6.17E-04	1.80E-04	1.81E-04	3.61E-04	1.75E-04	1.77E-04	3.52E-04	1.73E-04	1.74E-04	3.47E-04
3300	481363.09, 3847877.25	0.00421	0.00424	6.60E-04	6.92E-04	6.21E-04	6.36E-04	6.00E-04	1.75E-04	1.76E-04	3.51E-04	1.70E-04	1.72E-04	3.42E-04	1.68E-04	1.69E-04	3.38E-04
3301	481863.09, 3847877.25	0.00458	0.00464	7.17E-04	7.57E-04	6.76E-04	6.92E-04	6.53E-04	1.90E-04	1.93E-04	3.83E-04	1.85E-04	1.88E-04	3.73E-04	1.83E-04	1.85E-04	3.68E-04
3302	482363.09, 3847877.25	0.00433	0.00439	6.78E-04	7.17E-04	6.39E-04	6.55E-04	6.17E-04	1.80E-04	1.82E-04	3.62E-04	1.75E-04	1.78E-04	3.53E-04	1.73E-04	1.75E-04	3.48E-04
3303	482863.09, 3847877.25	0.00405	0.0041	6.34E-04	6.69E-04	5.98E-04	6.12E-04	5.77E-04	1.68E-04	1.70E-04	3.38E-04	1.64E-04	1.66E-04	3.30E-04	1.62E-04	1.64E-04	3.26E-04
3304	483363.09, 3847877.25	0.00385	0.0039	6.03E-04	6.37E-04	5.68E-04	5.82E-04	5.49E-04	1.60E-04	1.62E-04	3.22E-04	1.56E-04	1.58E-04	3.14E-04	1.54E-04	1.56E-04	3.10E-04
3305	483863.09, 3847877.25	0.00374	0.00379	5.86E-04	6.19E-04	5.52E-04	5.65E-04	5.33E-04	1.55E-04	1.57E-04	3.12E-04	1.51E-04	1.53E-04	3.05E-04	1.49E-04	1.51E-04	3.01E-04
3306	484363.09, 3847877.25	0.0037	0.00375	5.80E-04	6.12E-04	5.46E-04	5.59E-04	5.28E-04	1.54E-04	1.56E-04	3.09E-04	1.50E-04	1.52E-04	3.02E-04	1.48E-04	1.50E-04	2.98E-04
3307	484863.09, 3847877.25	0.00358	0.00363	5.61E-04	5.93E-04	5.28E-04	5.41E-04	5.10E-04	1.49E-04	1.51E-04	2.99E-04	1.45E-04	1.47E-04	2.92E-04	1.43E-04	1.45E-04	2.88E-04
3308	485363.09, 3847877.25	0.00352	0.00356	5.51E-04	5.81E-04	5.20E-04	5.32E-04	5.02E-04	1.46E-04	1.48E-04	2.94E-04	1.43E-04	1.44E-04	2.87E-04	1.41E-04	1.42E-04	2.83E-04
3309	485863.09, 3847877.25	0.00345	0.00349	5.40E-04	5.70E-04	5.09E-04	5.22E-04	4.92E-04	1.43E-04	1.45E-04	2.88E-04	1.40E-04	1.41E-04	2.81E-04	1.38E-04	1.39E-04	2.77E-04
3310	486363.09, 3847877.25	0.00328	0.00332	5.14E-04	5.42E-04	4.84E-04	4.96E-04	4.68E-04	1.36E-04	1.38E-04	2.74E-04	1.33E-04	1.34E-04	2.67E-04	1.31E-04	1.33E-04	2.64E-04
3311	486863.09, 3847877.25	0.00314	0.00318	4.92E-04	5.19E-04	4.63E-04	4.75E-04	4.48E-04	1.30E-04	1.32E-04	2.62E-04	1.27E-04	1.29E-04	2.56E-04	1.25E-04	1.27E-04	2.52E-04
3312	487363.09, 3847877.25	0.00303	0.00307	4.75E-04	5.01E-04	4.47E-04	4.58E-04	4.32E-04	1.26E-04	1.27E-04	2.53E-04	1.23E-04	1.24E-04	2.47E-04	1.21E-04	1.23E-04	2.44E-04
3313	487863.09, 3847877.25	0.00289	0.00292	4.53E-04	4.77E-04	4.27E-04	4.37E-04	4.12E-04	1.20E-04	1.21E-04	2.41E-04	1.17E-04	1.18E-04	2.35E-04	1.15E-04	1.17E-04	2.32E-04
3314	488363.09, 3847877.25	0.0028	0.00283	4.39E-04	4.62E-04	4.13E-04	4.23E-04	3.99E-04	1.16E-04	1.17E-04	2.34E-04	1.13E-04	1.15E-04	2.28E-04	1.12E-04	1.13E-04	2.25E-04
3315	488863.09, 3847877.25	0.00274	0.00277	4.29E-04	4.52E-04	4.04E-04	4.14E-04	3.91E-04	1.14E-04	1.15E-04	2.29E-04	1.11E-04	1.12E-04	2.23E-04	1.09E-04	1.11E-04	2.20E-04
3316	489363.09, 3847877.25	0.00268	0.00271	4.20E-04	4.42E-04	3.96E-04	4.05E-04	3.82E-04	1.11E-04	1.12E-04	2.24E-04	1.08E-04	1.10E-04	2.18E-04	1.07E-04	1.08E-04	2.15E-04
3317	489863.09, 3847877.25	0.00266	0.00269	4.17E-04	4.39E-04	3.93E-04	4.02E-04	3.79E-04	1.10E-04	1.12E-04	2.22E-04	1.08E-04	1.09E-04	2.17E-04	1.06E-04	1.07E-04	2.14E-04
3318	490363.09, 3847877.25	0.00258	0.00262	4.04E-04	4.28E-04	3.81E-04	3.90E-04	3.68E-04	1.07E-04	1.09E-04	2.16E-04	1.04E-04	1.06E-04	2.11E-04	1.03E-04	1.05E-04	2.08E-04
3319	490863.09, 3847877.25	0.00249	0.00252	3.90E-04	4.11E-04	3.67E-04	3.76E-04	3.55E-04	1.03E-04	1.05E-04	2.08E-04	1.01E-04	1.02E-04	2.03E-04	9.95E-05	1.01E-04	2.00E-04
3320	491363.09, 3847877.25	0.00236	0.00239	3.70E-04	3.90E-04	3.48E-04	3.57E-04	3.36E-04	9.79E-05	9.92E-05	1.97E-04	9.55E-05	9.68E-05	1.92E-04	9.43E-05	9.55E-05	1.90E-04
3321	491863.09, 3847877.25	0.00231	0.00234	3.62E-04	3.82E-04	3.41E-04	3.49E-04	3.29E-04	9.58E-05	9.71E-05	1.93E-04	9.35E-05	9.47E-05	1.88E-04	9.23E-05	9.35E-05	1.86E-04
3322	492363.09, 3847877.25	0.00227	0.0023	3.56E-04	3.75E-04	3.35E-04	3.43E-04	3.24E-04	9.42E-05	9.54E-05	1.90E-04	9.19E-05	9.31E-05	1.85E-04	9.07E-05	9.19E-05	1.83E-04
3323	492863.09, 3847877.25	0.00223	0.00225	3.49E-04	3.67E-04	3.29E-04	3.37E-04	3.18E-04	9.25E-05	9.33E-05	1.86E-04	9.03E-05	9.11E-05	1.81E-04	8.91E-05	8.99E-05	1.79E-04
3324	493363.09, 3847877.25	0.00213	0.00215	3.34E-04	3.51E-04	3.14E-04	3.22E-04	3.04E-04	8.84E-05	8.92E-05	1.78E-04	8.62E-05	8.70E-05	1.73E-04	8.51E-05	8.59E-05	1.71E-04
3325	493863.09, 3847877.25	0.00206	0.00208	3.23E-04	3.40E-04	3.04E-04	3.11E-04	2.94E-04	8.55E-05	8.63E-05	1.72E-04	8.34E-05	8.42E-05	1.68E-04	8.23E-05	8.31E-05	1.65E-04
3326	494363.09, 3847877.25	0.00201	0.00204	3.15E-04	3.33E-04	2.97E-04	3.04E-04	2.87E-04	8.34E-05	8.46E-05	1.68E-04	8.14E-05	8.26E-05	1.64E-04	8.03E-05	8.15E-05	1.62E-04
3327	494863.09, 3847877.25	0.00199	0.00202	3.12E-04	3.30E-04	2.94E-04	3.01E-04	2.84E-04	8.26E-05	8.38E-05	1.66E-04	8.06E-05	8.18E-05	1.62E-04	7.95E-05	8.07E-05	1.60E-04
3328	495363.09, 3847877.25	0.00194	0.00197	3.04E-04	3.22E-04	2.86E-04	2.93E-04	2.77E-04	8.05E-05	8.17E-05	1.62E-04	7.85E-05	7.98E-05	1.58E-04	7.75E-05	7.87E-05	1.56E-04
3329	495863.09, 3847877.25	0.00182	0.00184	2.85E-04	3.00E-04	2.69E-04	2.75E-04	2.60E-04	7.55E-05	7.63E-05	1.52E-04	7.37E-05	7.45E-05	1.48E-04	7.27E-05	7.35E-05	1.46E-04
3330	496363.09, 3847877.25	0.00192	0.00195	3.01E-04	3.18E-04	2.83E-04	2.90E-04	2.74E-04	7.97E-05	8.09E-05	1.61E-04	7.77E-05	7.89E-05	1.57E-04	7.67E-05	7.79E-05	1.55E-04
3331	496863.09, 3847877.25	0.00194	0.00197	3.04E-04	3.22E-04	2.86E-04	2.93E-04	2.77E-04	8.05E-05	8.17E-05	1.62E-04	7.85E-05	7.98E-05	1.58E-04	7.75E-05	7.87E-05	1.56E-04
3332	497363.09, 3847877.25	0.00197	0.002	3.09E-04	3.26E-04	2.91E-04	2.98E-04	2.81E-04	8.17E-05	8.30E-05	1.65E-04	7.98E-05	8.10E-05	1.61E-04	7.87E-05	7.99E-05	1.59E-04
3333	497863.09, 3847877.25	0.00206	0.0021	3.23E-04	3.43E-04	3.04E-04	3.11E-04	2.94E-04	8.55E-05	8.71E-05	1.73E-04	8.34E-05	8.50E-05	1.68E-04	8.23E-05	8.39E-05	1.66E-04
3334	498363.09, 3847877.25	0.00207	0.00211	3.24E-04	3.44E-04	3.06E-04	3.13E-04	2.95E-04	8.59E-05	8.75E-05	1.73E-04	8.38E-05	8.54E-05	1.69E-04	8.27E-05	8.43E-05	1.67E-04
3335	471363.09, 3848377.25	0.00405	0.00408	6.34E-04	6.66E-04	5.98E-04	6.12E-04	5.77E-04	1.68E-04	1.69E-04	3.37E-04	1.64E-04	1.65E-04	3.29E-04	1.62E-04	1.63E-04	3.25E-04
3336	471863.09, 3848377.25	0.00469	0.00472	7.35E-04	7.70E-04	6.92E-04	7.09E-04	6.69E-04	1.95E-04	1.96E-04	3.90E-04	1.90E-04	1.91E-04	3.81E-04	1.87E-04	1.89E-04	3.76E-04
3337	472363.09, 3848377.25	0.00559	0.00563	8.76E-04	9.19E-04	8.25E-04	8.45E-04	7.97E-04	2.32E-04	2.34E-04	4.65E-04	2.26E-04	2.28E-04	4.54E-04	2.23E-04	2.25E-04	4.48E-04
3338	472863.09, 3848377.25	0.00697	0.00703	1.09E-03	1.15E-03	1.03E-03	1.05E-03	9.94E-04	2.89E-04	2.92E-04	5.81E-04	2.82E-04	2.85E-04	5.67E-04	2.78E-04	2.81E-04	5.59E-04
3339	473363.09, 3848377.25	0.0094	0.00949	1.47E-03	1.55E-03	1.39E-03	1.42E-03	1.34E-03	3.90E-04	3.94E-04	7.84E-04	3.81E-04	3.84E-04	7.65E-04	3.76E-04	3.79E-04	7.55E-04
3340	473863.09, 3848377.25	0.01528	0.01542	2.39E-03	2.52E-03	2.26E-03	2.31E-03	2.18E-03	6.34E-04	6.40E-04	1.27E-03	6.19E-04	6.24E-04	1.24E-03	6.10E-04	6.16E-04	1.23E-03
3341	474363.09, 3848377.25	0.06776	0.06827	1.06E-02	1.11E-02	1.00E-02	1.02E-02	9.66E-03	2.81E-03	2.83E-03	5.64E-03	2.74E-03	2.76E-03	5.51E-03	2.71E-03	2.73E-03	5.43E-03
3342	474863.09, 3848377.25	0.05458	0.055	8.55E-03	8.98E-03	8.06E-03	8.25E-03	7.78E-03	2.26E-03	2.28E-03	4.55E-03	2.21E-03	2.23E-03	4.44E-03	2.18E-03	2.20E-03	4.38E-03
3343	475363.09, 3848377.25	0.0306	0.03081	4.79E-03	5.03E-03	4.52E-03	4.63E-03	4.36E-03	1.27E-03	1.28E-03	2.55E-03	1.24E-03	1.25E-03	2.49E-03	1.22E-03	1.23E-03	2.45E-03
3344	475863.09, 3848377.25	0.01973	0.01987	3.09E-03	3.24E-03	2.91E-03	2.98E-03	2.81E-03	8.19E-04	8.24E-04	1.64E-03	7.99E-04	8.04E-04	1.60E-03	7.88E-04	7.94E-04	1.58E-03
3345	476363.09, 3848377.25	0.0148	0.01496	2.32E-03	2.44E-03	2.18E-03	2.24E-03	2.11E-03	6.14E-04	6.21E-04	1.23E-03	5.99E-04	6.06E-04	1.20E-03	5.91E-04	5.98E-04	1.19E-03
3346	476863.09, 3848377.25	0.01439	0.01457	2.25E-03	2.38E-03	2.12E-03	2.18E-03	2.05E-03	5.97E-04	6.04E-04	1.20E-03	5.83E-04	5.90E-04	1.17E-03	5.75E-04	5.82E-04	1.16E-03
3347	477363.09, 3848377.25	0.01265	0.01278	1.98E-03	2.09E-03	1.87E-03	1.91E-03	1.80E-03	5.25E-04	5.30E-04	1.06E-03	5.12E-04	5.17E-04	1.03E-03	5.05E-04	5.11E-04	1.02E-03
3348	477863.09, 3848377.25	0.01141	0.01147	1.79E-03	1.87E-03	1.68E-03	1.72E-03	1.63E-03	4.73E-04	4.76E-04	9.49E-04	4.62E-04	4.64E-04	9.26E-04	4.56E-04	4.58E-04	9.14E-04
3349	478363.09, 3848377.25	0.01026	0.01035	1.61E-03	1.69E-03	1.51E-03	1.55E-03	1.46E-03	4.26E-04	4.29E-04	8.55E-04	4.15E-04	4.19E-04	8.34E-04	4.10E-04	4.13E-04	8.23E-04
3350	478863.09, 3848377.25	0.00907	0.00919	1.42E-03	1.50E-03	1.34E-03	1.37E-03	1.29E-03	3.76E-04	3.81E-04	7.58E-04	3.67E-04	3.72E-04	7.39E-04	3.62E-04	3.67E-04	7.29E-04
3351	479363.09, 3848377.25	0.00754	0.00764	1.18E-03	1.25E-03	1.11E-03	1.14E-03	1.08E-03	3.13E-04	3.17E-04	6.30E-04	3.05E-04	3.09E-04	6.15E-04	3.01E-04	3.05E-04	6.06E-04
3352	479863.09, 3848377.25	0.00472	0.00476	7.39E-04	7.77E-04	6.97E-04	7.13E-04	6.73E-04	1.96E-04	1.97E-04	3.93E-04	1.91E-04	1.93E-04	3.84E-04	1.89E-04	1.90E-04	3.79E-04
3353	480363.09, 3848377.25	0.00529	0.00534	8.29E-04	8.72E-04	7.81E-04	8.00E-04	7.54E-04	2.19E-04	2.22E-04	4.41E-04	2.14E-04	2.16E-04	4.30E-04	2.11E-04	2.13E-04	4.25E-04
3354	480863.09, 3848377.25	0.00578	0.00583	9.05E-04	9.52E-04	8.53E-04	8.74E-04	8.24E-04	2.40E-04	2.42E-04	4.82E-04	2.34E-04	2.36E-04	4.70E-04	2.31E-04	2.33E-04	4.64E-04
3355	481363.09, 3848377.25	0.00552	0.00557	8.65E-04	9.09E-04	8.15E-04	8.34E-04	7.87E-04	2.29E-04	2.31E-04	4.60E-04	2.23E-04	2.25E-04	4.49E-04	2.21E-04	2.23E-04	4.43E-04
3356	481863.09, 3848377.25	0.00533	0.0054	8.35E-04	8.81E-04	7.87E-04	8.06E-04	7.60E-04	2.21E-04	2.24E-04	4.45E-04	2.16E-04	2.19E-04	4.34E-04	2.13E-04	2.16E-04	4.29E-04
3357	482363.09, 3848377.25	0.0051	0.00518	7.99E-04	8.46E-04	7.53E-04	7.71E-04	7.27E-04	2.12E-04	2.15E-04	4.26E-04	2.06E-04	2.10E-04	4.16E-04	2.04E-04	2.07E-04	4.11E-04
3358	482863.09, 3848377.25	0.00469	0.00476	7.35E-04	7.77E-04	6.92E-04	7.09E-04	6.69E-04	1.95E-04	1.97E-04	3.92E-04	1.90E-04	1.93E-04	3.83E-04	1.87E-04	1.90E-04	3.77E-04
3359	483363.09, 3848377.25	0.00446	0.00453	6.99E-04	7.39E-04	6.58E-04	6.74E-04	6.36E-04	1.85E-04	1.88E-04	3.73E-04	1.81E-04	1.83E-04	3.64E-04	1.78E-04	1.81E-04	3.59E-04
3360	483863.09, 3848377.25	0.00418	0.00424	6.55E-04	6.92E-04	6.17E-04	6.32E-04	5.96E-04	1.73E-04	1.76E-04	3.49E-04	1.69E-04	1.72E-04	3.41E-04	1.67E-04	1.69E-04	3.36E-04

3361	484363.09, 3848377.25	0.00407	0.00413	6.38E-04	6.74E-04	6.01E-04	6.15E-04	5.80E-04	1.69E-04	1.71E-04	3.40E-04	1.65E-04	1.67E-04	3.32E-04	1.63E-04	1.65E-04	3.28E-04
3362	484863.09, 3848377.25	0.00407	0.00412	6.38E-04	6.73E-04	6.01E-04	6.15E-04	5.80E-04	1.69E-04	1.71E-04	3.40E-04	1.65E-04	1.67E-04	3.32E-04	1.63E-04	1.65E-04	3.27E-04
3363	485363.09, 3848377.25	0.00393	0.00398	6.16E-04	6.50E-04	5.80E-04	5.94E-04	5.60E-04	1.63E-04	1.65E-04	3.28E-04	1.59E-04	1.61E-04	3.20E-04	1.57E-04	1.59E-04	3.16E-04
3364	485863.09, 3848377.25	0.00382	0.00386	5.98E-04	6.30E-04	5.64E-04	5.77E-04	5.45E-04	1.58E-04	1.60E-04	3.19E-04	1.55E-04	1.56E-04	3.11E-04	1.53E-04	1.54E-04	3.07E-04
3365	486363.09, 3848377.25	0.00365	0.00369	5.72E-04	6.02E-04	5.39E-04	5.52E-04	5.20E-04	1.51E-04	1.53E-04	3.05E-04	1.48E-04	1.49E-04	2.97E-04	1.46E-04	1.47E-04	2.93E-04
3366	486863.09, 3848377.25	0.00347	0.00351	5.44E-04	5.73E-04	5.12E-04	5.25E-04	4.95E-04	1.44E-04	1.46E-04	2.90E-04	1.40E-04	1.42E-04	2.83E-04	1.39E-04	1.40E-04	2.79E-04
3367	487363.09, 3848377.25	0.00326	0.0033	5.11E-04	5.39E-04	4.81E-04	4.93E-04	4.65E-04	1.35E-04	1.37E-04	2.72E-04	1.32E-04	1.34E-04	2.66E-04	1.30E-04	1.32E-04	2.62E-04
3368	487863.09, 3848377.25	0.00316	0.0032	4.95E-04	5.22E-04	4.66E-04	4.78E-04	4.51E-04	1.31E-04	1.33E-04	2.64E-04	1.28E-04	1.30E-04	2.57E-04	1.26E-04	1.28E-04	2.54E-04
3369	488363.09, 3848377.25	0.00306	0.0031	4.79E-04	5.06E-04	4.52E-04	4.63E-04	4.36E-04	1.27E-04	1.29E-04	2.56E-04	1.24E-04	1.26E-04	2.49E-04	1.22E-04	1.24E-04	2.46E-04
3370	488863.09, 3848377.25	0.00297	0.00301	4.65E-04	4.91E-04	4.38E-04	4.49E-04	4.23E-04	1.23E-04	1.25E-04	2.48E-04	1.20E-04	1.22E-04	2.42E-04	1.19E-04	1.20E-04	2.39E-04
3371	489363.09, 3848377.25	0.00291	0.00295	4.56E-04	4.82E-04	4.29E-04	4.40E-04	4.15E-04	1.21E-04	1.22E-04	2.43E-04	1.18E-04	1.19E-04	2.37E-04	1.16E-04	1.18E-04	2.34E-04
3372	489863.09, 3848377.25	0.00289	0.00293	4.53E-04	4.78E-04	4.27E-04	4.37E-04	4.12E-04	1.20E-04	1.22E-04	2.41E-04	1.17E-04	1.19E-04	2.36E-04	1.15E-04	1.17E-04	2.32E-04
3373	490363.09, 3848377.25	0.0028	0.00284	4.39E-04	4.64E-04	4.13E-04	4.23E-04	3.99E-04	1.16E-04	1.18E-04	2.34E-04	1.13E-04	1.15E-04	2.28E-04	1.12E-04	1.13E-04	2.25E-04
3374	490863.09, 3848377.25	0.00267	0.00271	4.18E-04	4.42E-04	3.94E-04	4.04E-04	3.81E-04	1.11E-04	1.12E-04	2.23E-04	1.08E-04	1.10E-04	2.18E-04	1.07E-04	1.08E-04	2.15E-04
3375	491363.09, 3848377.25	0.00256	0.00259	4.01E-04	4.23E-04	3.78E-04	3.87E-04	3.65E-04	1.06E-04	1.07E-04	2.14E-04	1.04E-04	1.05E-04	2.08E-04	1.02E-04	1.03E-04	2.06E-04
3376	491863.09, 3848377.25	0.00248	0.00251	3.88E-04	4.10E-04	3.66E-04	3.75E-04	3.54E-04	1.03E-04	1.04E-04	2.07E-04	1.00E-04	1.02E-04	2.02E-04	9.91E-05	1.00E-04	1.99E-04
3377	492363.09, 3848377.25	0.00235	0.00238	3.68E-04	3.88E-04	3.47E-04	3.55E-04	3.35E-04	9.75E-05	9.87E-05	1.96E-04	9.51E-05	9.64E-05	1.91E-04	9.39E-05	9.51E-05	1.89E-04
3378	492863.09, 3848377.25	0.00222	0.00225	3.48E-04	3.67E-04	3.28E-04	3.36E-04	3.17E-04	9.21E-05	9.33E-05	1.85E-04	8.99E-05	9.11E-05	1.81E-04	8.87E-05	8.99E-05	1.79E-04
3379	493363.09, 3848377.25	0.00215	0.00218	3.37E-04	3.56E-04	3.17E-04	3.25E-04	3.07E-04	8.92E-05	9.04E-05	1.80E-04	8.70E-05	8.83E-05	1.75E-04	8.59E-05	8.71E-05	1.73E-04
3380	493863.09, 3848377.25	0.00207	0.0021	3.24E-04	3.43E-04	3.06E-04	3.13E-04	2.95E-04	8.59E-05	8.71E-05	1.73E-04	8.38E-05	8.50E-05	1.69E-04	8.27E-05	8.39E-05	1.67E-04
3381	494363.09, 3848377.25	0.00201	0.00204	3.15E-04	3.33E-04	2.97E-04	3.04E-04	2.87E-04	8.34E-05	8.46E-05	1.68E-04	8.14E-05	8.26E-05	1.64E-04	8.03E-05	8.15E-05	1.62E-04
3382	494863.09, 3848377.25	0.00199	0.00203	3.12E-04	3.31E-04	2.94E-04	3.01E-04	2.84E-04	8.26E-05	8.42E-05	1.67E-04	8.06E-05	8.22E-05	1.63E-04	7.95E-05	8.11E-05	1.61E-04
3383	495363.09, 3848377.25	0.0019	0.00193	2.98E-04	3.15E-04	2.80E-04	2.87E-04	2.71E-04	7.88E-05	8.01E-05	1.59E-04	7.69E-05	7.81E-05	1.55E-04	7.59E-05	7.71E-05	1.53E-04
3384	495863.09, 3848377.25	0.00186	0.0019	2.91E-04	3.10E-04	2.75E-04	2.81E-04	2.65E-04	7.72E-05	7.88E-05	1.56E-04	7.53E-05	7.69E-05	1.52E-04	7.43E-05	7.59E-05	1.50E-04
3385	496363.09, 3848377.25	0.0019	0.00193	2.98E-04	3.15E-04	2.80E-04	2.87E-04	2.71E-04	7.88E-05	8.01E-05	1.59E-04	7.69E-05	7.81E-05	1.55E-04	7.59E-05	7.71E-05	1.53E-04
3386	496863.09, 3848377.25	0.00185	0.00189	2.90E-04	3.09E-04	2.73E-04	2.80E-04	2.64E-04	7.68E-05	7.84E-05	1.55E-04	7.49E-05	7.65E-05	1.51E-04	7.39E-05	7.55E-05	1.49E-04
3387	497363.09, 3848377.25	0.00192	0.00196	3.01E-04	3.20E-04	2.83E-04	2.90E-04	2.74E-04	7.97E-05	8.13E-05	1.61E-04	7.77E-05	7.93E-05	1.57E-04	7.67E-05	7.83E-05	1.55E-04
3388	497863.09, 3848377.25	0.00214	0.00218	3.35E-04	3.56E-04	3.16E-04	3.23E-04	3.05E-04	8.88E-05	9.04E-05	1.79E-04	8.66E-05	8.83E-05	1.75E-04	8.55E-05	8.71E-05	1.73E-04
3389	498363.09, 3848377.25	0.00213	0.00217	3.34E-04	3.54E-04	3.14E-04	3.22E-04	3.04E-04	8.84E-05	9.00E-05	1.78E-04	8.62E-05	8.79E-05	1.74E-04	8.51E-05	8.67E-05	1.72E-04
3390	471363.09, 3848877.25	0.00355	0.00358	5.56E-04	5.84E-04	5.24E-04	5.37E-04	5.06E-04	1.47E-04	1.49E-04	2.96E-04	1.44E-04	1.45E-04	2.89E-04	1.42E-04	1.43E-04	2.85E-04
3391	471863.09, 3848877.25	0.00395	0.00398	6.19E-04	6.50E-04	5.83E-04	5.97E-04	5.63E-04	1.64E-04	1.65E-04	3.29E-04	1.60E-04	1.61E-04	3.21E-04	1.58E-04	1.59E-04	3.17E-04
3392	472363.09, 3848877.25	0.00448	0.00451	7.02E-04	7.36E-04	6.61E-04	6.77E-04	6.39E-04	1.86E-04	1.87E-04	3.73E-04	1.81E-04	1.83E-04	3.64E-04	1.79E-04	1.80E-04	3.59E-04
3393	472863.09, 3848877.25	0.00527	0.0053	8.26E-04	8.65E-04	7.78E-04	7.97E-04	7.51E-04	2.19E-04	2.20E-04	4.39E-04	2.13E-04	2.15E-04	4.28E-04	2.11E-04	2.12E-04	4.22E-04
3394	473363.09, 3848877.25	0.00644	0.00649	1.01E-03	1.06E-03	9.50E-04	9.73E-04	9.18E-04	2.67E-04	2.69E-04	5.36E-04	2.61E-04	2.63E-04	5.23E-04	2.57E-04	2.59E-04	5.17E-04
3395	473863.09, 3848877.25	0.00853	0.00862	1.34E-03	1.41E-03	1.26E-03	1.29E-03	1.22E-03	3.54E-04	3.58E-04	7.12E-04	3.45E-04	3.49E-04	6.94E-04	3.41E-04	3.44E-04	6.85E-04
3396	474363.09, 3848877.25	0.01324	0.01338	2.07E-03	2.18E-03	1.95E-03	2.00E-03	1.89E-03	5.49E-04	5.55E-04	1.10E-03	5.36E-04	5.42E-04	1.08E-03	5.29E-04	5.34E-04	1.06E-03
3397	474863.09, 3848877.25	0.04273	0.04312	6.69E-03	7.04E-03	6.31E-03	6.46E-03	6.09E-03	1.77E-03	1.79E-03	3.56E-03	1.73E-03	1.75E-03	3.48E-03	1.71E-03	1.72E-03	3.43E-03
3398	475363.09, 3848877.25	0.09208	0.09281	1.44E-02	1.51E-02	1.36E-02	1.39E-02	1.31E-02	3.82E-03	3.85E-03	7.67E-03	3.73E-03	3.76E-03	7.49E-03	3.68E-03	3.71E-03	7.39E-03
3399	475863.09, 3848877.25	0.04496	0.04532	7.04E-03	7.40E-03	6.64E-03	6.80E-03	6.41E-03	1.87E-03	1.88E-03	3.75E-03	1.82E-03	1.83E-03	3.65E-03	1.80E-03	1.81E-03	3.61E-03
3400	476363.09, 3848877.25	0.0315	0.03174	4.93E-03	5.18E-03	4.65E-03	4.76E-03	4.49E-03	1.31E-03	1.32E-03	2.62E-03	1.28E-03	1.28E-03	2.56E-03	1.26E-03	1.27E-03	2.53E-03
3401	476863.09, 3848877.25	0.02391	0.02414	3.75E-03	3.94E-03	3.53E-03	3.61E-03	3.41E-03	9.92E-04	1.00E-03	1.99E-03	9.68E-04	9.77E-04	1.95E-03	9.55E-04	9.64E-04	1.92E-03
3402	477363.09, 3848877.25	0.02163	0.02188	3.39E-03	3.57E-03	3.19E-03	3.27E-03	3.08E-03	8.97E-04	9.08E-04	1.81E-03	8.76E-04	8.86E-04	1.76E-03	8.64E-04	8.74E-04	1.74E-03
3403	477863.09, 3848877.25	0.01765	0.01782	2.76E-03	2.91E-03	2.60E-03	2.67E-03	2.52E-03	7.32E-04	7.39E-04	1.47E-03	7.15E-04	7.21E-04	1.44E-03	7.05E-04	7.12E-04	1.42E-03
3404	478363.09, 3848877.25	0.01493	0.01501	2.34E-03	2.45E-03	2.20E-03	2.26E-03	2.13E-03	6.19E-04	6.23E-04	1.24E-03	6.04E-04	6.08E-04	1.21E-03	5.96E-04	6.00E-04	1.20E-03
3405	478863.09, 3848877.25	0.0125	0.01261	1.96E-03	2.06E-03	1.84E-03	1.89E-03	1.78E-03	5.19E-04	5.23E-04	1.04E-03	5.06E-04	5.11E-04	1.02E-03	4.99E-04	5.04E-04	1.00E-03
3406	479363.09, 3848877.25	0.01027	0.0104	1.61E-03	1.70E-03	1.52E-03	1.55E-03	1.46E-03	4.26E-04	4.31E-04	8.58E-04	4.16E-04	4.21E-04	8.37E-04	4.10E-04	4.15E-04	8.26E-04
3407	479863.09, 3848877.25	0.00853	0.00864	1.34E-03	1.41E-03	1.26E-03	1.29E-03	1.22E-03	3.54E-04	3.58E-04	7.12E-04	3.45E-04	3.50E-04	6.95E-04	3.41E-04	3.45E-04	6.86E-04
3408	480363.09, 3848877.25	0.00797	0.00806	1.25E-03	1.32E-03	1.18E-03	1.20E-03	1.14E-03	3.31E-04	3.34E-04	6.65E-04	3.23E-04	3.26E-04	6.49E-04	3.18E-04	3.22E-04	6.40E-04
3409	480863.09, 3848877.25	0.00751	0.00757	1.18E-03	1.24E-03	1.11E-03	1.14E-03	1.07E-03	3.12E-04	3.14E-04	6.26E-04	3.04E-04	3.06E-04	6.11E-04	3.00E-04	3.02E-04	6.02E-04
3410	481363.09, 3848877.25	0.00688	0.00694	1.08E-03	1.13E-03	1.02E-03	1.04E-03	9.81E-04	2.85E-04	2.88E-04	5.73E-04	2.79E-04	2.81E-04	5.59E-04	2.75E-04	2.77E-04	5.52E-04
3411	481863.09, 3848877.25	0.00615	0.00622	9.63E-04	1.02E-03	9.08E-04	9.30E-04	8.77E-04	2.55E-04	2.58E-04	5.13E-04	2.49E-04	2.52E-04	5.01E-04	2.46E-04	2.48E-04	4.94E-04
3412	482363.09, 3848877.25	0.00545	0.00552	8.54E-04	9.01E-04	8.04E-04	8.24E-04	7.77E-04	2.26E-04	2.29E-04	4.55E-04	2.21E-04	2.23E-04	4.44E-04	2.18E-04	2.21E-04	4.38E-04
3413	482863.09, 3848877.25	0.00491	0.00497	7.69E-04	8.11E-04	7.25E-04	7.42E-04	7.00E-04	2.04E-04	2.06E-04	4.10E-04	1.99E-04	2.01E-04	4.00E-04	1.96E-04	1.99E-04	3.95E-04
3414	483363.09, 3848877.25	0.0045	0.00456	7.05E-04	7.44E-04	6.64E-04	6.80E-04	6.42E-04	1.87E-04	1.89E-04	3.76E-04	1.82E-04	1.85E-04	3.67E-04	1.80E-04	1.82E-04	3.62E-04
3415	483863.09, 3848877.25	0.00431	0.00436	6.75E-04	7.12E-04	6.36E-04	6.52E-04	6.15E-04	1.79E-04	1.81E-04	3.60E-04	1.74E-04	1.77E-04	3.51E-04	1.72E-04	1.74E-04	3.46E-04
3416	484363.09, 3848877.25	0.00446	0.00452	6.99E-04	7.38E-04	6.58E-04	6.74E-04	6.36E-04	1.85E-04	1.88E-04	3.73E-04	1.81E-04	1.83E-04	3.64E-04	1.78E-04	1.81E-04	3.59E-04
3417	484863.09, 3848877.25	0.00455	0.00462	7.13E-04	7.54E-04	6.72E-04	6.88E-04	6.49E-04	1.89E-04	1.92E-04	3.80E-04	1.84E-04	1.87E-04	3.71E-04	1.82E-04	1.85E-04	3.66E-04
3418	485363.09, 3848877.25	0.00437	0.00443	6.85E-04	7.23E-04	6.45E-04	6.61E-04	6.23E-04	1.81E-04	1.84E-04	3.65E-04	1.77E-04	1.79E-04	3.56E-04	1.75E-04	1.77E-04	3.52E-04
3419	485863.09, 3848877.25	0.0042	0.00426	6.58E-04	6.95E-04	6.20E-04	6.35E-04	5.99E-04	1.74E-04	1.77E-04	3.51E-04	1.70E-04	1.72E-04	3.42E-04	1.68E-04	1.70E-04	3.38E-04
3420	486363.09, 3848877.25	0.00396	0.00401	6.20E-04	6.55E-04	5.84E-04	5.99E-04	5.65E-04	1.64E-04	1.66E-04	3.31E-04	1.60E-04	1.62E-04	3.23E-04	1.58E-04	1.60E-04	3.18E-04
3421	486863.09, 3848877.25	0.00371	0.00376	5.81E-04	6.14E-04	5.48E-04	5.61E-04	5.29E-04	1.54E-04	1.56E-04	3.10E-04	1.50E-04	1.52E-04	3.02E-04	1.48E-04	1.50E-04	2.98E-04
3422	487363.09, 3848877.25	0.00361	0.00366	5.66E-04	5.97E-04	5.33E-04	5.46E-04	5.15E-04	1.50E-04	1.52E-04	3.02E-04	1.46E-04	1.48E-04	2.94E-04	1.44E-04	1.46E-04	2.90E-04
3423	487863.09, 3848877.25	0.00346	0.0035	5.42E-04	5.71E-04	5.11E-04	5.23E-04	4.93E-04	1.44E-04	1.45E-04	2.89E-04	1.40E-04	1.42E-04	2.82E-04	1.38E-04	1.40E-04	2.78E-04
3424	488363.09, 3848877.25	0.00334	0.00339	5.23E-04	5.53E-04	4.93E-04	5.05E-04	4.76E-04	1.39E-04	1.41E-04	2.79E-04	1.35E-04	1.37E-04	2.72E-04	1.33E-04	1.35E-04	2.69E-04
3425	488863.09, 3848877.25	0.00322	0.00327	5.04E-04	5.34E-04	4.75E-04	4.87E-04	4.59E-04	1.34E-04	1.36E-04	2.69E-04	1.30E-04	1.32E-04	2.63E-04	1.29E-04	1.31E-04	2.59E-04
3426	489363.09, 3848877.25	0.00315	0.0032	4.93E-04	5.22E-04	4.65E-04	4.76E-04	4.49E-04	1.31E-04	1.33E-04	2.63E-04	1.28E-04	1.30E-04	2.57E-04	1.26E-04	1.28E-04	2.54E-04
3427	489863.09, 3848877.25	0.00309	0.00314	4.84E-04	5.13E-04	4.56E-04	4.67E-04	4.41E-04	1.28E-04	1.30E-04	2.58E-04	1.25E-04	1.27E-04	2.52E-04	1.23E-04	1.25E-04	2.49E-04
3428	490363.09, 3848877.25	0.00294	0.00299	4.61E-04	4.88E-04	4.34E-04	4.44E-04	4.19E-04	1.22E-04	1.24E-04	2.46E-04	1.19E-04	1.21E-04	2.40E-04	1.17E-04	1.19E-04	2.37E-04
3429	490863.09, 3848877.25	0.0028	0.00284	4.39E-04	4.64E-04	4.13E-04	4.23E-04	3.99E-04	1.16E-04	1.18E-04	2.34E-04	1.13E-04	1.15E-04	2.28E-04	1.12E-04	1.13E-04	2.25E-04
3430	491363.09, 3848877.25	0.00269	0.00273	4.21E-04	4.46E-04	3.97E-04	4.07E-04	3.84E-04	1.12E-04	1.13E-04	2.25E-04	1.09E-04	1.11E-04	2.19E-04	1.07E-04	1.09E-04	2.17E-04
3431	491863.09, 3848877.25	0.00253	0.00257	3.96E-04	4.19E-04	3.73E-04	3.82E-04	3.61E-04	1.05E-04	1.07E-04	2.12E-04	1.02E-04	1.04E-04	2.06E-04	1.01E-04	1.03E-04	2.04E-04
3432	492363.09, 3848877.25	0.00238	0.00242	3.73E-04	3.95E-04	3.51E-04	3.60E-04	3.39E-04	9.87E-05	1.00E-04	1.99E-04	9.64E-05	9.80E-05	1.94E-04	9.51E-05	9.67E-05	1.92E-04
3433	492863.09, 3848877.25	0.00222	0.00225	3.48E-04	3.67E-04	3.28E-04	3.36E-04	3.17E-04	9.21E-05	9.33E-05	1.85E-04	8.99E-05	9.11E-05	1.81E-04	8.87E-05	8.99E-05	1.79E-04
3434	493363.09, 3848877.25	0.00207	0.0021	3.24E-04	3.43E-04	3.06E-04	3.13E-04	2.95E-04	8.59E-05	8.71E-05	1.73E-04	8.38E-05	8.50E-05	1.69E-04	8.27E-05	8.39E-05	1.67E-04
3435	493863.09, 3848877.25	0.00205	0.00208	3.21E-04	3.40E-04	3.03E-04	3.10E-04	2.92E-04	8.51E-05	8.63E-05	1.71E-04	8.30E-05	8.42E-05	1.67E-04	8.19E-05	8.31E-05	1.65E-04
3436	494363.09, 3848877.25	0.002	0.00203	3.13E-04	3.31E-04	2.95E-04	3.02E-04	2.85E-04	8.30E-05	8.42E-05	1.67E-04	8.10E-05	8.22E-05	1.63E-04	7.99E-05	8.11E-05	1.61E-04
3437	494863.09, 3848877.25	0.002	0.00204	3.13E-04	3.33E-04	2.95E-04	3.02E-04	2.85E-04	8.30E-05	8.46E-05	1.68E-04	8.10E-05	8.26E-05	1.64E-04	7.99E-05	8.15E-05	1.61E-04
3438	495363.09, 3848877.25	0.00198	0.00202	3.10E-04	3.30E-04	2.92E-04	2.99E-04	2.82E-04	8.21E-05	8.38E-05	1.66E-04	8.02E-05	8.18E-05	1.62E-04	7.91E-05	8.07E-05	1.60E-04
3439	495863.09, 3848877.25	0.00188	0.00191	2.95E-04	3.12E-04	2.77E-04	2.84E-04	2.68E-04	7.80E-05	7.92E-05	1.57E-04	7.61E-05	7.73E-05	1.53E-04	7.51E-05	7.63E-05	1.51E-04
3440	496363.09, 3848877.25	0.00186	0.0019	2.91E-04	3.10E-04	2.75E-04	2.81E-04	2.65E-04	7.72E-05	7.88E-05	1.56E-04	7.53E-05	7.69E-05	1.52E-04	7.43E-05	7.59E-05	1.50E-04
3441	496863.09, 3848877.25	0.00193	0.00197	3.02E-04	3.22E-04	2.85E-04	2.92E-04	2.75E-04	8.01E-05	8.17E-05	1.62E-04	7.81E-05	7.98E-05	1.58E-04	7.71E-05	7.87E-05	1.56E-04
3442	497363.09, 3848877.25	0.00211	0.00215	3.31E-04	3.51E-04	3.11E-04	3.19E-04	3.01E-04	8.75E-05	8.92E-05	1.77E-04	8.54E-05	8.70E-05	1.72E-04	8.43E-05	8.59E-05	1.70E-04
3443	497863.09, 3848877.25	0.00216	0.00221	3.38E-04	3.61E-04	3.19E-04	3.27E-04	3.08E-04	8.96E-05	9.17E-05	1.81E-04	8.74E-05	8.95E-05	1.77E-04	8.63E-05	8.83E-05	1.75E-04
3444	498363.09, 3848877.25	0.00219	0.00224	3.43E-04	3.66E-04	3.23E-04	3.31E-04	3.12E-04	9.09E-05	9.29E-05	1.84E-04	8.87E-05	9.07E-05	1.79E-04	8.75E-05	8.95E-05	1.77E-04
3445	471363.09, 3849377.25	0.00311	0.00314	4.87E-04	5.13E-04	4.59E-04	4.70E-04	4.43E-04	1.29E-04	1.30E-04	2.59E-04	1.26E-04	1.27E-04	2.53E-04	1.24E-04	1.25E-04	2.50E-04
3446	471863.09, 3849377.25	0.00344	0.00348	5.39E-04	5.68E-04	5.08E-04	5.20E-04	4.90E-04	1.43E-04	1.44E-04	2.87E-04	1.39E-04	1.41E-04	2.80E-04	1.37E-04	1.39E-04	2.76E-04
3447	472363.09, 3849377.25	0.00382	0.00386	5.98E-04	6.30E-04	5.64E-04	5.77E-04	5.45E-04	1.58E-04	1.60E-04	3.19E-04	1.55E-04	1.56E-04	3.11E-04	1.53E-04	1.54E-04	3.07E-04
3448	472863.09, 3849377.25	0.00431	0.00434	6.75E-04	7.08E-04	6.36E-04	6.52E-04	6.15E-04	1.79E-04	1.80E-04	3.59E-04	1.74E-04	1.76E-04	3.50E-04	1.72E-04	1.73E-04	3.46E-04
3449	473363.09, 3849377.25	0.00504	0.00507	7.90E-04	8.28E-04	7.44E-04	7.62E-04	7.19E-04	2.09E-04	2.10E-04	4.19E-04	2.04E-04	2.05E-04	4.09E-04	2.01E-04	2.03E-04	4.04E-04
3450	473863.09, 3849377.25	0.00611	0.00615	9.57E-04	1.00E-03	9.02E-04	9.24E-04	8.71E-04	2.53E-04	2.55E-04	5.09E-04	2.47E-04	2.49E-04	4.96E-04	2.44E-04	2.46E-04	4.90E-04
3451	474363.09, 3849377.25	0.00775	0.00782	1.21E-03	1.28E-03	1.14E-03	1.17E-03	1.11E-03	3.22E-04	3.24E-04	6.46E-04	3.14E-04	3.17E-04	6.30E-04	3.10E-04	3.12E-04	6.22E-04
3452	474863.09, 3849377.25	0.01071	0.01083	1.68E-03	1.77E-03	1.58E-03	1.62E-03	1.53E-03	4.44E-04	4.49E-04	8.94E-04	4.34E-04	4.38E-04	8.72E-04	4.28E-04	4.33E-04	8.60E-04
3453	475363.09, 3849377.25	0.01747	0.01765	2.74E-03	2.88E-03	2.58E-03	2.64E-03	2.49E-03	7.25E-04	7.32E-04	1.46E-03	7.07E-04	7.15E-04	1.42E-03	6.98E-04	7.05E-04	1.40E-03
3454	475863.09, 3849377.25	0.03021	0.03045	4.73E-03	4.97E-03	4.46E-03	4.57E-03	4.31E-03	1.25E-03	1.26E-03	2.52E-03	1.22E-03	1.23E-03	2.46E-03	1.21E-03	1.22E-03	2.42E-03
3455	476363.09, 3849377.25	0.06605	0.0664	1.03E-02	1.08E-02	9.75E-03	9.98E-03	9.42E-03	2.74E-03	2.75E-03	5.50E-03	2.67E-03	2.69E-03	5.36E-03	2.64E-03	2.65E-03	5.29E-03
3456	476863.09, 3849377.25	0.1828	0.1849	2.86E-02	3.02E-02	2.70E-02	2.76E-02	2.61E-02	7.58E-03	7.67E-03	1.53E-02	7.40E-03	7.49E-03	1.49E-02	7.30E-03	7.39E-03	1.47E-02
3457	477363.09, 3849377.25	0.05254	0.05296	8.23E-03	8.64E-03	7.75E-03	7.94E-03	7.49E-03	2.18E-03	2.20E-03	4.38E-03	2.13E-03	2.14E-03	4.27E-03	2.10E-03	2.12E-03	4.21E-03
3458	477863.09, 3849377.25	0.03152	0.03182	4.94E-03	5.19E-03	4.65E-03	4.76E-03	4.49E-03	1.31E-03	1.32E-03	2.63E-03	1.28E-03	1.29E-03	2.56E-03	1.26E-03	1.27E-03	2.53E-03
3459	478363.09, 3849377.25	0.02321	0.02339	3.64E-03	3.82E-03	3.43E-03	3.51E-03	3.31E-03	9.63E-04	9.70E-04	1.93E-03	9.40E-04	9.47E-04	1.89E-03	9.27E-04	9.34E-04	1.86E-03
3460	478863.09, 3849377.25	0.01754	0.01764	2.75E-03	2.88E-03	2.59E-03	2.65E-03	2.50E-03	7.28E-04	7.32E-04	1.46E-03	7.10E-04	7.14E-04	1.42E-03	7.01E-04	7.05E-04	1.41E-03
3461	479363.09, 3849377.25	0.01434	0.01446	2.25E-03	2.36E-03	2.12E-03	2.17E-03	2.04E-03	5.95E-04	6.00E-04	1.19E-03	5.81E-04	5.85E-04	1.17E-03	5.73E-04	5.78E-04	1.15E-03
3462	479863.09, 3849377.25	0.01127	0.01141	1.77E-03	1.86E-03	1.66E-03	1.70E-03	1.61E-03	4.68E-04	4.73E-04	9.41E-04	4.56E-04	4.62E-04	9.18E-04	4.50E-04	4.56E-04	9.06E-04
3463	480363.09, 3849377.25	0.01068	0.0108	1.67E-03	1.76E-03	1.58E-03	1.61E-03	1.52E-03	4.43E-04	4.48E-04	8.91E-04	4.32E-04	4.37E-04	8.70E-04	4.27E-04	4.31E-04	8.58E-04
3464	480863.09, 3849377.25	0.00939	0.00949	1.47E-03	1.55E-03	1.39E-03	1.42E-03	1.34E-03	3.90E-04	3.94E-04	7.83E-04	3.80E-04	3.84E-04	7.64E-04	3.75E-04	3.79E-04	7.54E-04
3465	481363.09, 3849377.25	0.00804	0.00809	1.26E-03	1.32E-03	1.19E-03	1.22E-03	1.15E-03	3.34E-04	3.36E-04	6.69E-04	3.25E-04	3.28E-04	6.53E-04	3.21E-04	3.23E-04	6.44E-04
3466	481863.09, 3849377.25	0.00659	0.00665	1.03E-03	1.09E-03	9.73E-04	9.96E-04	9.40E-04	2.73E-04	2.76E-04	5.49E-04	2.67E-04	2.69E-04	5.36E-04	2.63E-04	2.66E-04	5.29E-04
3467	482363.09, 3849377.25	0.00588	0.00594	9.21E-04	9.70E-04	8.68E-04	8.89E-04	8.38E-04	2.44E-04	2.46E-04	4.90E-04	2.38E-04	2.40E-04	4.79E-04	2.35E-04	2.37E-04	4.72E-04
3468	482863.09, 3849377.25	0.00518	0.00524	8.11E-04	8.55E-04	7.65E-04	7.83E-04	7.39E-04	2.15E-04	2.17E-04	4.32E-04	2.10E-04	2.12E-04	4.22E-04	2.07E-04	2.09E-04	4.16E-04
3469	483363.09, 3849377.25	0.00476	0.00482	7.46E-04	7.87E-04	7.03E-04	7.20E-04	6.79E-04	1.97E-04	2.00E-04	3.97E-04	1.93E-04	1.95E-04	3.88E-04	1.90E-04	1.93E-04	3.83E-04
3470	483863.09, 3849377.25	0.00427	0.00432	6.69E-04	7.05E-04	6.30E-04	6.45E-04	6.09E-04	1.77E-04	1.79E-04	3.56E-04	1.73E-04	1.75E-04	3.48E-04	1.71E-04	1.73E-04	3.43E-04
3471	484363.09, 3849377.25	0.00486	0.00493	7.61E-04	8.05E-04	7.17E-04	7.35E-04	6.93E-04	2.02E-04	2.05E-04	4.06E-04	1.97E-04	2.00E-04	3.96E-04	1.94E-04	1.97E-04	3.91E-04
3472	484863.09, 3849377.25	0.00503	0.00511	7.88E-04	8.34E-04	7.42E-04	7.60E-04	7.17E-04	2.09E-04	2.12E-04	4.21E-04	2.04E-04	2.07E-04	4.11E-04	2.01E-04	2.04E-04	4.05E-04
3473	485363.09, 3849377.25	0.00482	0.0049	7.55E-04	8.00E-04	7.11E-04	7.29E-04	6.87E-04	2.00E-04	2.03E-04	4.03E-04	1.95E-04	1.98E-04	3.94E-04	1.93E-04	1.96E-04	3.88E-04
3474	485863.09, 3849377.25	0.00427	0.00433	6.69E-04	7.07E-04	6.30E-04	6.45E-04	6.09E-04	1.77E-04	1.80E-04	3.57E-04	1.73E-04	1.75E-04	3.48E-04	1.71E-04	1.73E-04	3.44E-04
3475	486363.09, 3849377.25	0.00382	0.00387	5.98E-04	6.32E-04	5.64E-04	5.77E-04	5.45E-04	1.58E-04	1.61E-04	3.19E-04	1.55E-04	1.57E-04	3.11E-04	1.53E-04	1.55E-04	3.07E-04
3476	486863.09, 3849377.25	0.00398	0.00403	6.23E-04	6.58E-04	5.87E-04	6.02E-04	5.67E-04	1.65E-04	1.67E-04	3.32E-04	1.61E-04	1.63E-04	3.24E-04	1.59E-04	1.61E-04	3.20E-04

3477	487363.09, 3849377.25	0.0039	0.00395	6.11E-04	6.45E-04	5.76E-04	5.90E-04	5.56E-04	1.62E-04	1.64E-04	3.26E-04	1.58E-04	1.60E-04	3.18E-04	1.56E-04	1.58E-04	3.14E-04
3478	487863.09, 3849377.25	0.00374	0.00379	5.86E-04	6.19E-04	5.52E-04	5.65E-04	5.33E-04	1.55E-04	1.57E-04	3.12E-04	1.51E-04	1.53E-04	3.05E-04	1.49E-04	1.51E-04	3.01E-04
3479	488363.09, 3849377.25	0.00359	0.00365	5.62E-04	5.96E-04	5.30E-04	5.43E-04	5.12E-04	1.49E-04	1.51E-04	3.00E-04	1.45E-04	1.48E-04	2.93E-04	1.43E-04	1.46E-04	2.89E-04
3480	488863.09, 3849377.25	0.00348	0.00354	5.45E-04	5.78E-04	5.14E-04	5.26E-04	4.96E-04	1.44E-04	1.47E-04	2.91E-04	1.41E-04	1.43E-04	2.84E-04	1.39E-04	1.41E-04	2.80E-04
3481	489363.09, 3849377.25	0.00338	0.00343	5.29E-04	5.60E-04	4.99E-04	5.11E-04	4.82E-04	1.40E-04	1.42E-04	2.83E-04	1.37E-04	1.39E-04	2.76E-04	1.35E-04	1.37E-04	2.72E-04
3482	489863.09, 3849377.25	0.00325	0.0033	5.09E-04	5.39E-04	4.80E-04	4.91E-04	4.63E-04	1.35E-04	1.37E-04	2.72E-04	1.32E-04	1.34E-04	2.65E-04	1.30E-04	1.32E-04	2.62E-04
3483	490363.09, 3849377.25	0.00307	0.00312	4.81E-04	5.09E-04	4.53E-04	4.64E-04	4.38E-04	1.27E-04	1.29E-04	2.57E-04	1.24E-04	1.26E-04	2.51E-04	1.23E-04	1.25E-04	2.47E-04
3484	490863.09, 3849377.25	0.00293	0.00298	4.59E-04	4.86E-04	4.32E-04	4.43E-04	4.18E-04	1.22E-04	1.24E-04	2.45E-04	1.19E-04	1.21E-04	2.39E-04	1.17E-04	1.19E-04	2.36E-04
3485	491363.09, 3849377.25	0.00281	0.00285	4.40E-04	4.65E-04	4.15E-04	4.25E-04	4.01E-04	1.17E-04	1.18E-04	2.35E-04	1.14E-04	1.15E-04	2.29E-04	1.12E-04	1.14E-04	2.26E-04
3486	491863.09, 3849377.25	0.00263	0.00267	4.12E-04	4.36E-04	3.88E-04	3.98E-04	3.75E-04	1.09E-04	1.11E-04	2.20E-04	1.06E-04	1.08E-04	2.15E-04	1.05E-04	1.07E-04	2.12E-04
3487	492363.09, 3849377.25	0.00247	0.00251	3.87E-04	4.10E-04	3.65E-04	3.73E-04	3.52E-04	1.02E-04	1.04E-04	2.07E-04	1.00E-04	1.02E-04	2.02E-04	9.87E-05	1.00E-04	1.99E-04
3488	492863.09, 3849377.25	0.00226	0.0023	3.54E-04	3.75E-04	3.34E-04	3.42E-04	3.22E-04	9.38E-05	9.54E-05	1.89E-04	9.15E-05	9.31E-05	1.85E-04	9.03E-05	9.19E-05	1.82E-04
3489	493363.09, 3849377.25	0.00216	0.00219	3.38E-04	3.57E-04	3.19E-04	3.27E-04	3.08E-04	8.96E-05	9.09E-05	1.80E-04	8.74E-05	8.87E-05	1.76E-04	8.63E-05	8.75E-05	1.74E-04
3490	493863.09, 3849377.25	0.00209	0.00213	3.27E-04	3.48E-04	3.08E-04	3.16E-04	2.98E-04	8.67E-05	8.84E-05	1.75E-04	8.46E-05	8.62E-05	1.71E-04	8.35E-05	8.51E-05	1.69E-04
3491	494363.09, 3849377.25	0.00208	0.00212	3.26E-04	3.46E-04	3.07E-04	3.14E-04	2.97E-04	8.63E-05	8.80E-05	1.74E-04	8.42E-05	8.58E-05	1.70E-04	8.31E-05	8.47E-05	1.68E-04
3492	494863.09, 3849377.25	0.00217	0.00222	3.40E-04	3.62E-04	3.20E-04	3.28E-04	3.09E-04	9.00E-05	9.21E-05	1.82E-04	8.79E-05	8.99E-05	1.78E-04	8.67E-05	8.87E-05	1.75E-04
3493	495363.09, 3849377.25	0.00217	0.00222	3.40E-04	3.62E-04	3.20E-04	3.28E-04	3.09E-04	9.00E-05	9.21E-05	1.82E-04	8.79E-05	8.99E-05	1.78E-04	8.67E-05	8.87E-05	1.75E-04
3494	495863.09, 3849377.25	0.00191	0.00195	2.99E-04	3.18E-04	2.82E-04	2.89E-04	2.72E-04	7.92E-05	8.09E-05	1.60E-04	7.73E-05	7.89E-05	1.56E-04	7.63E-05	7.79E-05	1.54E-04
3495	496363.09, 3849377.25	0.00185	0.00189	2.90E-04	3.09E-04	2.73E-04	2.80E-04	2.64E-04	7.68E-05	7.84E-05	1.55E-04	7.49E-05	7.65E-05	1.51E-04	7.39E-05	7.55E-05	1.49E-04
3496	496863.09, 3849377.25	0.00208	0.00214	3.26E-04	3.49E-04	3.07E-04	3.14E-04	2.97E-04	8.63E-05	8.88E-05	1.75E-04	8.42E-05	8.66E-05	1.71E-04	8.31E-05	8.55E-05	1.69E-04
3497	497363.09, 3849377.25	0.00212	0.00218	3.32E-04	3.56E-04	3.13E-04	3.20E-04	3.02E-04	8.80E-05	9.04E-05	1.78E-04	8.58E-05	8.83E-05	1.74E-04	8.47E-05	8.71E-05	1.72E-04
3498	497863.09, 3849377.25	0.00233	0.0024	3.65E-04	3.92E-04	3.44E-04	3.52E-04	3.32E-04	9.67E-05	9.96E-05	1.96E-04	9.43E-05	9.72E-05	1.91E-04	9.31E-05	9.59E-05	1.89E-04
3499	498363.09, 3849377.25	0.00225	0.00232	3.52E-04	3.79E-04	3.32E-04	3.40E-04	3.21E-04	9.33E-05	9.63E-05	1.90E-04	9.11E-05	9.39E-05	1.85E-04	8.99E-05	9.27E-05	1.83E-04
3500	471363.09, 3849877.25	0.00262	0.00266	4.10E-04	4.34E-04	3.87E-04	3.96E-04	3.74E-04	1.09E-04	1.10E-04	2.19E-04	1.06E-04	1.08E-04	2.14E-04	1.05E-04	1.06E-04	2.11E-04
3501	471863.09, 3849877.25	0.00307	0.00311	4.81E-04	5.08E-04	4.53E-04	4.64E-04	4.38E-04	1.27E-04	1.29E-04	2.56E-04	1.24E-04	1.26E-04	2.50E-04	1.23E-04	1.24E-04	2.47E-04
3502	472363.09, 3849877.25	0.00341	0.00345	5.34E-04	5.63E-04	5.03E-04	5.15E-04	4.86E-04	1.41E-04	1.43E-04	2.85E-04	1.38E-04	1.40E-04	2.78E-04	1.36E-04	1.38E-04	2.74E-04
3503	472863.09, 3849877.25	0.00374	0.00378	5.86E-04	6.17E-04	5.52E-04	5.65E-04	5.33E-04	1.55E-04	1.57E-04	3.12E-04	1.51E-04	1.53E-04	3.04E-04	1.49E-04	1.51E-04	3.00E-04
3504	473363.09, 3849877.25	0.00418	0.00422	6.55E-04	6.89E-04	6.17E-04	6.32E-04	5.96E-04	1.73E-04	1.75E-04	3.48E-04	1.69E-04	1.71E-04	3.40E-04	1.67E-04	1.69E-04	3.36E-04
3505	473863.09, 3849877.25	0.00475	0.0048	7.44E-04	7.83E-04	7.01E-04	7.18E-04	6.77E-04	1.97E-04	1.99E-04	3.96E-04	1.92E-04	1.94E-04	3.87E-04	1.90E-04	1.92E-04	3.81E-04
3506	474363.09, 3849877.25	0.00552	0.00556	8.65E-04	9.08E-04	8.15E-04	8.34E-04	7.87E-04	2.29E-04	2.31E-04	4.60E-04	2.23E-04	2.25E-04	4.49E-04	2.21E-04	2.22E-04	4.43E-04
3507	474863.09, 3849877.25	0.00647	0.00652	1.01E-03	1.06E-03	9.55E-04	9.78E-04	9.23E-04	2.68E-04	2.71E-04	5.39E-04	2.62E-04	2.64E-04	5.26E-04	2.58E-04	2.60E-04	5.19E-04
3508	475363.09, 3849877.25	0.00775	0.00784	1.21E-03	1.28E-03	1.14E-03	1.17E-03	1.11E-03	3.22E-04	3.25E-04	6.47E-04	3.14E-04	3.17E-04	6.31E-04	3.10E-04	3.13E-04	6.23E-04
3509	475863.09, 3849877.25	0.00946	0.00959	1.48E-03	1.57E-03	1.40E-03	1.43E-03	1.35E-03	3.92E-04	3.98E-04	7.90E-04	3.83E-04	3.88E-04	7.71E-04	3.78E-04	3.83E-04	7.61E-04
3510	476363.09, 3849877.25	0.01208	0.01223	1.89E-03	2.00E-03	1.78E-03	1.83E-03	1.72E-03	5.01E-04	5.07E-04	1.01E-03	4.89E-04	4.95E-04	9.84E-04	4.83E-04	4.89E-04	9.71E-04
3511	476863.09, 3849877.25	0.01794	0.01811	2.81E-03	2.96E-03	2.65E-03	2.71E-03	2.56E-03	7.44E-04	7.51E-04	1.50E-03	7.26E-04	7.33E-04	1.46E-03	7.17E-04	7.23E-04	1.44E-03
3512	477363.09, 3849877.25	0.04237	0.04287	6.64E-03	7.00E-03	6.25E-03	6.40E-03	6.04E-03	1.76E-03	1.78E-03	3.54E-03	1.72E-03	1.74E-03	3.45E-03	1.69E-03	1.71E-03	3.41E-03
3513	477863.09, 3849877.25	0.20415	0.20276	3.20E-02	3.31E-02	3.01E-02	3.09E-02	2.91E-02	8.47E-03	8.41E-03	1.69E-02	8.26E-03	8.21E-03	1.65E-02	8.16E-03	8.10E-03	1.63E-02
3514	478363.09, 3849877.25	0.05569	0.05588	8.72E-03	9.12E-03	8.22E-03	8.42E-03	7.94E-03	2.31E-03	2.32E-03	4.63E-03	2.25E-03	2.26E-03	4.52E-03	2.22E-03	2.23E-03	4.46E-03
3515	478863.09, 3849877.25	0.03344	0.03359	5.24E-03	5.48E-03	4.94E-03	5.05E-03	4.77E-03	1.39E-03	1.39E-03	2.78E-03	1.35E-03	1.36E-03	2.71E-03	1.34E-03	1.34E-03	2.68E-03
3516	479363.09, 3849877.25	0.02296	0.02306	3.60E-03	3.76E-03	3.39E-03	3.47E-03	3.27E-03	9.53E-04	9.57E-04	1.91E-03	9.30E-04	9.34E-04	1.86E-03	9.17E-04	9.21E-04	1.84E-03
3517	479863.09, 3849877.25	0.01827	0.01841	2.86E-03	3.01E-03	2.70E-03	2.76E-03	2.61E-03	7.58E-04	7.64E-04	1.52E-03	7.40E-04	7.45E-04	1.48E-03	7.30E-04	7.35E-04	1.47E-03
3518	480363.09, 3849877.25	0.01396	0.01409	2.19E-03	2.30E-03	2.06E-03	2.11E-03	1.99E-03	5.79E-04	5.85E-04	1.16E-03	5.65E-04	5.70E-04	1.14E-03	5.58E-04	5.63E-04	1.12E-03
3519	480863.09, 3849877.25	0.01133	0.01146	1.77E-03	1.87E-03	1.67E-03	1.71E-03	1.62E-03	4.70E-04	4.75E-04	9.46E-04	4.59E-04	4.64E-04	9.23E-04	4.53E-04	4.58E-04	9.10E-04
3520	481363.09, 3849877.25	0.0097	0.00977	1.52E-03	1.59E-03	1.43E-03	1.47E-03	1.38E-03	4.02E-04	4.05E-04	8.08E-04	3.93E-04	3.96E-04	7.88E-04	3.87E-04	3.90E-04	7.78E-04
3521	481863.09, 3849877.25	0.00751	0.00756	1.18E-03	1.23E-03	1.11E-03	1.14E-03	1.07E-03	3.12E-04	3.14E-04	6.25E-04	3.04E-04	3.06E-04	6.10E-04	3.00E-04	3.02E-04	6.02E-04
3522	482363.09, 3849877.25	0.00643	0.0065	1.01E-03	1.06E-03	9.49E-04	9.72E-04	9.17E-04	2.67E-04	2.70E-04	5.36E-04	2.60E-04	2.63E-04	5.23E-04	2.57E-04	2.60E-04	5.17E-04
3523	482863.09, 3849877.25	0.0057	0.00576	8.93E-04	9.40E-04	8.41E-04	8.62E-04	8.13E-04	2.36E-04	2.39E-04	4.75E-04	2.31E-04	2.33E-04	4.64E-04	2.28E-04	2.30E-04	4.58E-04
3524	483363.09, 3849877.25	0.00506	0.00512	7.93E-04	8.36E-04	7.47E-04	7.65E-04	7.21E-04	2.10E-04	2.12E-04	4.22E-04	2.05E-04	2.07E-04	4.12E-04	2.02E-04	2.05E-04	4.07E-04
3525	483863.09, 3849877.25	0.00481	0.00488	7.53E-04	7.97E-04	7.10E-04	7.27E-04	6.86E-04	2.00E-04	2.02E-04	4.02E-04	1.95E-04	1.98E-04	3.92E-04	1.92E-04	1.95E-04	3.87E-04
3526	484363.09, 3849877.25	0.00527	0.00535	8.26E-04	8.73E-04	7.78E-04	7.97E-04	7.51E-04	2.19E-04	2.22E-04	4.41E-04	2.13E-04	2.17E-04	4.30E-04	2.11E-04	2.14E-04	4.24E-04
3527	484863.09, 3849877.25	0.00561	0.00571	8.79E-04	9.32E-04	8.28E-04	8.48E-04	8.00E-04	2.33E-04	2.37E-04	4.70E-04	2.27E-04	2.31E-04	4.58E-04	2.24E-04	2.28E-04	4.52E-04
3528	485363.09, 3849877.25	0.00522	0.00531	8.18E-04	8.67E-04	7.70E-04	7.89E-04	7.44E-04	2.17E-04	2.20E-04	4.37E-04	2.11E-04	2.15E-04	4.26E-04	2.09E-04	2.12E-04	4.21E-04
3529	485863.09, 3849877.25	0.00474	0.00481	7.43E-04	7.85E-04	7.00E-04	7.17E-04	6.76E-04	1.97E-04	2.00E-04	3.96E-04	1.92E-04	1.95E-04	3.87E-04	1.89E-04	1.92E-04	3.81E-04
3530	486363.09, 3849877.25	0.00444	0.0045	6.96E-04	7.35E-04	6.55E-04	6.71E-04	6.33E-04	1.84E-04	1.87E-04	3.71E-04	1.80E-04	1.82E-04	3.62E-04	1.77E-04	1.80E-04	3.57E-04
3531	486863.09, 3849877.25	0.00443	0.00449	6.94E-04	7.33E-04	6.54E-04	6.70E-04	6.32E-04	1.84E-04	1.86E-04	3.70E-04	1.79E-04	1.82E-04	3.61E-04	1.77E-04	1.79E-04	3.56E-04
3532	487363.09, 3849877.25	0.00425	0.00431	6.66E-04	7.04E-04	6.27E-04	6.42E-04	6.06E-04	1.76E-04	1.79E-04	3.55E-04	1.72E-04	1.74E-04	3.47E-04	1.70E-04	1.72E-04	3.42E-04
3533	487863.09, 3849877.25	0.00405	0.00411	6.34E-04	6.71E-04	5.98E-04	6.12E-04	5.77E-04	1.68E-04	1.71E-04	3.39E-04	1.64E-04	1.66E-04	3.30E-04	1.62E-04	1.64E-04	3.26E-04
3534	488363.09, 3849877.25	0.00388	0.00395	6.08E-04	6.45E-04	5.73E-04	5.87E-04	5.53E-04	1.61E-04	1.64E-04	3.25E-04	1.57E-04	1.60E-04	3.17E-04	1.55E-04	1.58E-04	3.13E-04
3535	488863.09, 3849877.25	0.00374	0.00381	5.86E-04	6.22E-04	5.52E-04	5.65E-04	5.33E-04	1.55E-04	1.58E-04	3.13E-04	1.51E-04	1.54E-04	3.06E-04	1.49E-04	1.52E-04	3.02E-04
3536	489363.09, 3849877.25	0.00358	0.00365	5.61E-04	5.96E-04	5.28E-04	5.41E-04	5.10E-04	1.49E-04	1.51E-04	3.00E-04	1.45E-04	1.48E-04	2.93E-04	1.43E-04	1.46E-04	2.89E-04
3537	489863.09, 3849877.25	0.0034	0.00347	5.33E-04	5.66E-04	5.02E-04	5.14E-04	4.85E-04	1.41E-04	1.44E-04	2.85E-04	1.38E-04	1.40E-04	2.78E-04	1.36E-04	1.39E-04	2.74E-04
3538	490363.09, 3849877.25	0.00322	0.00328	5.04E-04	5.35E-04	4.75E-04	4.87E-04	4.59E-04	1.34E-04	1.36E-04	2.70E-04	1.30E-04	1.33E-04	2.63E-04	1.29E-04	1.31E-04	2.60E-04
3539	490863.09, 3849877.25	0.00307	0.00313	4.81E-04	5.11E-04	4.53E-04	4.64E-04	4.38E-04	1.27E-04	1.30E-04	2.57E-04	1.24E-04	1.27E-04	2.51E-04	1.23E-04	1.25E-04	2.48E-04
3540	491363.09, 3849877.25	0.00294	0.00299	4.61E-04	4.88E-04	4.34E-04	4.44E-04	4.19E-04	1.22E-04	1.24E-04	2.46E-04	1.19E-04	1.21E-04	2.40E-04	1.17E-04	1.19E-04	2.37E-04
3541	491863.09, 3849877.25	0.00275	0.0028	4.31E-04	4.57E-04	4.06E-04	4.16E-04	3.92E-04	1.14E-04	1.16E-04	2.30E-04	1.11E-04	1.13E-04	2.25E-04	1.10E-04	1.12E-04	2.22E-04
3542	492363.09, 3849877.25	0.00259	0.00264	4.06E-04	4.31E-04	3.82E-04	3.92E-04	3.69E-04	1.07E-04	1.10E-04	2.17E-04	1.05E-04	1.07E-04	2.12E-04	1.03E-04	1.05E-04	2.09E-04
3543	492863.09, 3849877.25	0.00241	0.00247	3.78E-04	4.03E-04	3.56E-04	3.64E-04	3.44E-04	1.00E-04	1.02E-04	2.02E-04	9.76E-05	1.00E-04	1.98E-04	9.63E-05	9.87E-05	1.95E-04
3544	493363.09, 3849877.25	0.00224	0.00229	3.51E-04	3.74E-04	3.31E-04	3.39E-04	3.19E-04	9.29E-05	9.50E-05	1.88E-04	9.07E-05	9.27E-05	1.83E-04	8.95E-05	9.15E-05	1.81E-04
3545	493863.09, 3849877.25	0.00214	0.00218	3.35E-04	3.56E-04	3.16E-04	3.23E-04	3.05E-04	8.88E-05	9.04E-05	1.79E-04	8.66E-05	8.83E-05	1.75E-04	8.55E-05	8.71E-05	1.73E-04
3546	494363.09, 3849877.25	0.00228	0.00234	3.57E-04	3.82E-04	3.36E-04	3.45E-04	3.25E-04	9.46E-05	9.71E-05	1.92E-04	9.23E-05	9.47E-05	1.87E-04	9.11E-05	9.35E-05	1.85E-04
3547	494863.09, 3849877.25	0.00235	0.00241	3.68E-04	3.93E-04	3.47E-04	3.55E-04	3.35E-04	9.75E-05	1.00E-04	1.97E-04	9.51E-05	9.76E-05	1.93E-04	9.39E-05	9.63E-05	1.90E-04
3548	495363.09, 3849877.25	0.00216	0.00222	3.38E-04	3.62E-04	3.19E-04	3.27E-04	3.08E-04	8.96E-05	9.21E-05	1.82E-04	8.74E-05	8.99E-05	1.77E-04	8.63E-05	8.87E-05	1.75E-04
3549	495863.09, 3849877.25	0.00226	0.00232	3.54E-04	3.79E-04	3.34E-04	3.42E-04	3.22E-04	9.38E-05	9.63E-05	1.90E-04	9.15E-05	9.39E-05	1.85E-04	9.03E-05	9.27E-05	1.83E-04
3550	496363.09, 3849877.25	0.00226	0.00232	3.54E-04	3.79E-04	3.34E-04	3.42E-04	3.22E-04	9.38E-05	9.63E-05	1.90E-04	9.15E-05	9.39E-05	1.85E-04	9.03E-05	9.27E-05	1.83E-04
3551	496863.09, 3849877.25	0.00225	0.00231	3.52E-04	3.77E-04	3.32E-04	3.40E-04	3.21E-04	9.33E-05	9.58E-05	1.89E-04	9.11E-05	9.35E-05	1.85E-04	8.99E-05	9.23E-05	1.82E-04
3552	497363.09, 3849877.25	0.00237	0.00245	3.71E-04	4.00E-04	3.50E-04	3.58E-04	3.38E-04	9.83E-05	1.02E-04	2.00E-04	9.59E-05	9.92E-05	1.95E-04	9.47E-05	9.79E-05	1.93E-04
3553	497863.09, 3849877.25	0.00238	0.00247	3.73E-04	4.03E-04	3.51E-04	3.60E-04	3.39E-04	9.87E-05	1.02E-04	2.01E-04	9.64E-05	1.00E-04	1.96E-04	9.51E-05	9.87E-05	1.94E-04
3554	498363.09, 3849877.25	0.00231	0.00239	3.62E-04	3.90E-04	3.41E-04	3.49E-04	3.29E-04	9.58E-05	9.92E-05	1.95E-04	9.35E-05	9.68E-05	1.90E-04	9.23E-05	9.55E-05	1.88E-04
3555	471363.09, 3850377.25	0.00192	0.00196	3.01E-04	3.20E-04	2.83E-04	2.90E-04	2.74E-04	7.97E-05	8.13E-05	1.61E-04	7.77E-05	7.93E-05	1.57E-04	7.67E-05	7.83E-05	1.55E-04
3556	471863.09, 3850377.25	0.00246	0.0025	3.85E-04	4.08E-04	3.63E-04	3.72E-04	3.51E-04	1.02E-04	1.04E-04	2.06E-04	9.96E-05	1.01E-04	2.01E-04	9.83E-05	9.99E-05	1.98E-04
3557	472363.09, 3850377.25	0.0028	0.00285	4.39E-04	4.65E-04	4.13E-04	4.23E-04	3.99E-04	1.16E-04	1.18E-04	2.34E-04	1.13E-04	1.15E-04	2.29E-04	1.12E-04	1.14E-04	2.26E-04
3558	472863.09, 3850377.25	0.00325	0.0033	5.09E-04	5.39E-04	4.80E-04	4.91E-04	4.63E-04	1.35E-04	1.37E-04	2.72E-04	1.32E-04	1.34E-04	2.65E-04	1.30E-04	1.32E-04	2.62E-04
3559	473363.09, 3850377.25	0.00356	0.0036	5.58E-04	5.88E-04	5.25E-04	5.38E-04	5.08E-04	1.48E-04	1.49E-04	2.97E-04	1.44E-04	1.46E-04	2.90E-04	1.42E-04	1.44E-04	2.86E-04
3560	473863.09, 3850377.25	0.00393	0.00398	6.16E-04	6.50E-04	5.80E-04	5.94E-04	5.60E-04	1.63E-04	1.65E-04	3.28E-04	1.59E-04	1.61E-04	3.20E-04	1.57E-04	1.59E-04	3.16E-04
3561	474363.09, 3850377.25	0.00435	0.0044	6.81E-04	7.18E-04	6.42E-04	6.58E-04	6.20E-04	1.80E-04	1.83E-04	3.63E-04	1.76E-04	1.78E-04	3.54E-04	1.74E-04	1.76E-04	3.50E-04
3562	474863.09, 3850377.25	0.00484	0.00489	7.58E-04	7.98E-04	7.14E-04	7.32E-04	6.90E-04	2.01E-04	2.03E-04	4.04E-04	1.96E-04	1.98E-04	3.94E-04	1.93E-04	1.95E-04	3.89E-04
3563	475363.09, 3850377.25	0.00542	0.00546	8.49E-04	8.91E-04	8.00E-04	8.19E-04	7.73E-04	2.25E-04	2.27E-04	4.51E-04	2.19E-04	2.21E-04	4.40E-04	2.17E-04	2.18E-04	4.35E-04
3564	475863.09, 3850377.25	0.00624	0.0063	9.78E-04	1.03E-03	9.21E-04	9.43E-04	8.90E-04	2.59E-04	2.61E-04	5.20E-04	2.53E-04	2.55E-04	5.08E-04	2.49E-04	2.52E-04	5.01E-04
3565	476363.09, 3850377.25	0.00724	0.00734	1.13E-03	1.20E-03	1.07E-03	1.09E-03	1.03E-03	3.00E-04	3.05E-04	6.05E-04	2.93E-04	2.97E-04	5.90E-04	2.89E-04	2.93E-04	5.82E-04
3566	476863.09, 3850377.25	0.00872	0.00886	1.37E-03	1.45E-03	1.29E-03	1.32E-03	1.24E-03	3.62E-04	3.68E-04	7.29E-04	3.53E-04	3.59E-04	7.12E-04	3.48E-04	3.54E-04	7.02E-04
3567	477363.09, 3850377.25	0.01126	0.01142	1.76E-03	1.86E-03	1.66E-03	1.70E-03	1.61E-03	4.67E-04	4.74E-04	9.41E-04	4.56E-04	4.62E-04	9.18E-04	4.50E-04	4.56E-04	9.06E-04
3568	477863.09, 3850377.25	0.01688	0.01708	2.64E-03	2.79E-03	2.49E-03	2.55E-03	2.41E-03	7.00E-04	7.09E-04	1.41E-03	6.83E-04	6.91E-04	1.37E-03	6.74E-04	6.82E-04	1.36E-03
3569	478363.09, 3850377.25	0.03968	0.04054	6.22E-03	6.62E-03	5.86E-03	6.00E-03	5.66E-03	1.65E-03	1.68E-03	3.33E-03	1.61E-03	1.64E-03	3.25E-03	1.59E-03	1.62E-03	3.20E-03
3570	478863.09, 3850377.25	0.23319	0.22704	3.65E-02	3.71E-02	3.44E-02	3.52E-02	3.32E-02	9.67E-03	9.42E-03	1.91E-02	9.44E-03	9.19E-03	1.86E-02	9.32E-03	9.07E-03	1.84E-02
3571	479363.09, 3850377.25	0.05869	0.05849	9.19E-03	9.55E-03	8.66E-03	8.87E-03	8.37E-03	2.43E-03	2.43E-03	4.86E-03	2.38E-03	2.37E-03	4.74E-03	2.34E-03	2.34E-03	4.68E-03
3572	479863.09, 3850377.25	0.03246	0.03249	5.08E-03	5.30E-03	4.79E-03	4.91E-03	4.63E-03	1.35E-03	1.35E-03	2.69E-03	1.31E-03	1.32E-03	2.63E-03	1.30E-03	1.30E-03	2.59E-03
3573	480363.09, 3850377.25	0.02237	0.02247	3.50E-03	3.67E-03	3.30E-03	3.38E-03	3.19E-03	9.28E-04	9.32E-04	1.86E-03	9.06E-04	9.10E-04	1.82E-03	8.94E-04	8.98E-04	1.79E-03
3574	480863.09, 3850377.25	0.01775	0.01788	2.78E-03	2.92E-03	2.62E-03	2.68E-03	2.53E-03	7.36E-04	7.42E-04	1.48E-03	7.19E-04	7.24E-04	1.44E-03	7.09E-04	7.14E-04	1.42E-03
3575	481363.09, 3850377.25	0.01228	0.01241	1.92E-03	2.03E-03	1.81E-03	1.86E-03	1.75E-03	5.09E-04	5.15E-04	1.02E-03	4.97E-04	5.02E-04	1.00E-03	4.91E-04	4.96E-04	9.86E-04
3576	481863.09, 3850377.25	0.01053	0.01061	1.65E-03	1.73E-03	1.55E-03	1.59E-03	1.50E-03	4.37E-04	4.40E-04	8.77E-04	4.26E-04	4.30E-04	8.56E-04	4.21E-04	4.24E-04	8.44E-04
3577	482363.09, 3850377.25	0.00906	0.00917	1.42E-03	1.50E-03	1.34E-03	1.37E-03	1.29E-03	3.76E-04	3.80E-04	7.56E-04	3.67E-04	3.71E-04	7.38E-04	3.62E-04	3.66E-04	7.28E-04
3578	482863.09, 3850377.25	0.00721	0.00731	1.13E-03	1.19E-03	1.06E-03	1.09E-03	1.03E-03	2.99E-04	3.03E-04	6.02E-04	2.92E-04	2.96E-04	5.88E-04	2.88E-04	2.92E-04	5.80E-04
3579	483363.09, 3850377.25	0.00616	0.00625	9.65E-04	1.02E-03	9.09E-04	9.31E-04	8.78E-04	2.56E-04	2.59E-04	5.15E-04	2.49E-04	2.53E-04	5.02E-04	2.46E-04	2.50E-04	4.96E-04
3580	483863.09, 3850377.25	0.006	0.0061	9.40E-04	9.96E-04	8.86E-04	9.07E-04	8.56E-04	2.49E-04	2.53E-04	5.02E-04	2.43E-04	2.47E-04	4.90E-04	2.40E-04	2.44E-04	4.83E-04
3581	484363.09, 3850377.25	0.00607	0.00618	9.51E-04	1.01E-03	8.96E-04	9.18E-04	8.65E-04	2.52E-04	2.56E-04	5.08E-04	2.46E-04	2.50E-04	4.96E-04	2.42E-04	2.47E-04	4.89E-04
3582	484863.09, 3850377.25	0.00613	0.00625	9.60E-04	1.02E-03	9.05E-04	9.27E-04	8.74E-04	2.54E-04	2.59E-04	5.14E-04	2.48E-04	2.53E-04	5.01E-04	2.45E-04	2.50E-04	4.95E-04
3583	485363.09, 3850377.25	0.00579	0.0059	9.07E-04	9.63E-04	8.55E-04	8.75E-04	8.26E-04	2.40E-04	2.45E-04	4.85E-04	2.34E-04	2.39E-04	4.73E-04	2.31E-04	2.36E-04	4.67E-04
3584	485863.09, 3850377.25	0.00532	0.00541	8.33E-04	8.83E-04	7.85E-04	8.04E-04	7.59E-04	2.21E-04	2.24E-04	4.45E-04	2.15E-04	2.19E-04	4.34E-04	2.13E-04	2.16E-04	4.29E-04
3585	486363.09, 3850377.25	0.00506	0.00514	7.93E-04	8.39E-04	7.47E-04	7.65E-04	7.21E-04	2.10E-04	2.13E-04	4.23E-04	2.05E-04	2.08E-04	4.13E-04	2.02E-04	2.05E-04	4.07E-04
3586	486863.09, 3850377.25	0.00482	0.0049	7.55E-04	8.00E-04	7.11E-04	7.29E-04	6.87E-04	2.00E-04	2.03E-04	4.03E-04	1.95E-04	1.98E-04	3.94E-04	1.93E-04	1.96E-04	3.88E-04
3587	487363.09, 3850377.25	0.00453	0.0046	7.10E-04	7.51E-04	6.69E-04	6.85E-04	6.46E-04	1.88E-04	1.91E-04	3.79E-04	1.83E-04	1.86E-04	3.70E-04	1.81E-04	1.84E-04	3.65E-04
3588	487863.09, 3850377.25	0.00433	0.00441	6.78E-04	7.20E-04	6.39E-04	6.55E-04	6.17E-04	1.80E-04	1.83E-04	3.63E-04	1.75E-04	1.79E-04	3.54E-04	1.73E-04	1.76E-04	3.49E-04
3589	488363.09, 3850377.25	0.00413	0.00421	6.47E-04	6.87E-04	6.10E-04	6.24E-04	5.89E-04	1.71E-04	1.75E-04	3.46E-04	1.67E-04	1.70E-04	3.38E-04	1.65E-04	1.68E-04	3.33E-04
3590	488863.09, 3850377.25	0.00396	0.00404	6.20E-04	6.59E-04	5.84E-04	5.99E-04	5.65E-04	1.64E-04	1.68E-04	3.32E-04	1.60E-04	1.64E-04	3.24E-04	1.58E-04	1.61E-04	3.20E-04
3591	489363.09, 3850377.25	0.00378	0.00386	5.92E-04	6.30E-04	5.58E-04	5.71E-04	5.39E-04	1.57E-04	1.60E-04	3.17E-04	1.53E-04	1.56E-04	3.09E-04	1.51E-04	1.54E-04	3.05E-04
3592	489863.09, 3850377.25	0.00357	0.00364	5.59E-04	5.94E-04	5.27E-04	5.40E-04	5.09E-04	1.48E-04	1.51E-04	2.99E-04	1.45E-04	1.47E-04	2.92E-04	1.43E-04	1.45E-04	2.88E-04

3593	490363.09, 3850377.25	0.00338	0.00346	5.29E-04	5.65E-04	4.99E-04	5.11E-04	4.82E-04	1.40E-04	1.44E-04	2.84E-04	1.37E-04	1.40E-04	2.77E-04	1.35E-04	1.38E-04	2.73E-04
3594	490863.09, 3850377.25	0.00323	0.0033	5.06E-04	5.39E-04	4.77E-04	4.88E-04	4.61E-04	1.34E-04	1.37E-04	2.71E-04	1.31E-04	1.34E-04	2.64E-04	1.29E-04	1.32E-04	2.61E-04
3595	491363.09, 3850377.25	0.00307	0.00314	4.81E-04	5.13E-04	4.53E-04	4.64E-04	4.38E-04	1.27E-04	1.30E-04	2.58E-04	1.24E-04	1.27E-04	2.51E-04	1.23E-04	1.25E-04	2.48E-04
3596	491863.09, 3850377.25	0.00286	0.00293	4.48E-04	4.78E-04	4.22E-04	4.32E-04	4.08E-04	1.19E-04	1.22E-04	2.40E-04	1.16E-04	1.19E-04	2.34E-04	1.14E-04	1.17E-04	2.31E-04
3597	492363.09, 3850377.25	0.00266	0.00273	4.17E-04	4.46E-04	3.93E-04	4.02E-04	3.79E-04	1.10E-04	1.13E-04	2.24E-04	1.08E-04	1.11E-04	2.18E-04	1.06E-04	1.09E-04	2.15E-04
3598	492863.09, 3850377.25	0.00253	0.00259	3.96E-04	4.23E-04	3.73E-04	3.82E-04	3.61E-04	1.05E-04	1.07E-04	2.12E-04	1.02E-04	1.05E-04	2.07E-04	1.01E-04	1.03E-04	2.05E-04
3599	493363.09, 3850377.25	0.00237	0.00243	3.71E-04	3.97E-04	3.50E-04	3.58E-04	3.38E-04	9.83E-05	1.01E-04	1.99E-04	9.59E-05	9.84E-05	1.94E-04	9.47E-05	9.71E-05	1.92E-04
3600	493863.09, 3850377.25	0.0024	0.00246	3.76E-04	4.02E-04	3.54E-04	3.63E-04	3.42E-04	9.96E-05	1.02E-04	2.02E-04	9.72E-05	9.96E-05	1.97E-04	9.59E-05	9.83E-05	1.94E-04
3601	494363.09, 3850377.25	0.00239	0.00246	3.74E-04	4.02E-04	3.53E-04	3.61E-04	3.41E-04	9.92E-05	1.02E-04	2.01E-04	9.68E-05	9.96E-05	1.96E-04	9.55E-05	9.83E-05	1.94E-04
3602	494863.09, 3850377.25	0.00245	0.00252	3.84E-04	4.11E-04	3.62E-04	3.70E-04	3.49E-04	1.02E-04	1.05E-04	2.06E-04	9.92E-05	1.02E-04	2.01E-04	9.79E-05	1.01E-04	1.99E-04
3603	495363.09, 3850377.25	0.00251	0.0026	3.93E-04	4.24E-04	3.70E-04	3.79E-04	3.58E-04	1.04E-04	1.08E-04	2.12E-04	1.02E-04	1.05E-04	2.07E-04	1.00E-04	1.04E-04	2.04E-04
3604	495863.09, 3850377.25	0.0024	0.00248	3.76E-04	4.05E-04	3.54E-04	3.63E-04	3.42E-04	9.96E-05	1.03E-04	2.02E-04	9.72E-05	1.00E-04	1.98E-04	9.59E-05	9.91E-05	1.95E-04
3605	496363.09, 3850377.25	0.00246	0.00255	3.85E-04	4.16E-04	3.63E-04	3.72E-04	3.51E-04	1.02E-04	1.06E-04	2.08E-04	9.96E-05	1.03E-04	2.03E-04	9.83E-05	1.02E-04	2.00E-04
3606	496863.09, 3850377.25	0.00251	0.00261	3.93E-04	4.26E-04	3.70E-04	3.79E-04	3.58E-04	1.04E-04	1.08E-04	2.12E-04	1.02E-04	1.06E-04	2.07E-04	1.00E-04	1.04E-04	2.05E-04
3607	497363.09, 3850377.25	0.0025	0.0026	3.92E-04	4.24E-04	3.69E-04	3.78E-04	3.56E-04	1.04E-04	1.08E-04	2.12E-04	1.01E-04	1.05E-04	2.06E-04	9.99E-05	1.04E-04	2.04E-04
3608	497863.09, 3850377.25	0.00244	0.00254	3.82E-04	4.15E-04	3.60E-04	3.69E-04	3.48E-04	1.01E-04	1.05E-04	2.07E-04	9.88E-05	1.03E-04	2.02E-04	9.75E-05	1.01E-04	1.99E-04
3609	498363.09, 3850377.25	0.00239	0.00248	3.74E-04	4.05E-04	3.53E-04	3.61E-04	3.41E-04	9.92E-05	1.03E-04	2.02E-04	9.68E-05	1.00E-04	1.97E-04	9.55E-05	9.91E-05	1.95E-04
3610	471363.09, 3850877.25	0.00199	0.00202	3.12E-04	3.30E-04	2.94E-04	3.01E-04	2.84E-04	8.26E-05	8.38E-05	1.66E-04	8.06E-05	8.18E-05	1.62E-04	7.95E-05	8.07E-05	1.60E-04
3611	471863.09, 3850877.25	0.00221	0.00225	3.46E-04	3.67E-04	3.26E-04	3.34E-04	3.15E-04	9.17E-05	9.33E-05	1.85E-04	8.95E-05	9.11E-05	1.81E-04	8.83E-05	8.99E-05	1.78E-04
3612	472363.09, 3850877.25	0.00252	0.00256	3.95E-04	4.18E-04	3.72E-04	3.81E-04	3.59E-04	1.05E-04	1.06E-04	2.11E-04	1.02E-04	1.04E-04	2.06E-04	1.01E-04	1.02E-04	2.03E-04
3613	472863.09, 3850877.25	0.00284	0.00288	4.45E-04	4.70E-04	4.19E-04	4.29E-04	4.05E-04	1.18E-04	1.19E-04	2.37E-04	1.15E-04	1.17E-04	2.32E-04	1.13E-04	1.15E-04	2.28E-04
3614	473363.09, 3850877.25	0.00291	0.00296	4.56E-04	4.83E-04	4.29E-04	4.40E-04	4.15E-04	1.21E-04	1.23E-04	2.44E-04	1.18E-04	1.20E-04	2.38E-04	1.16E-04	1.18E-04	2.34E-04
3615	473863.09, 3850877.25	0.00331	0.00336	5.19E-04	5.48E-04	4.89E-04	5.00E-04	4.72E-04	1.37E-04	1.39E-04	2.77E-04	1.34E-04	1.36E-04	2.70E-04	1.32E-04	1.34E-04	2.66E-04
3616	474363.09, 3850877.25	0.00365	0.0037	5.72E-04	6.04E-04	5.39E-04	5.52E-04	5.20E-04	1.51E-04	1.54E-04	3.05E-04	1.48E-04	1.50E-04	2.98E-04	1.46E-04	1.48E-04	2.94E-04
3617	474863.09, 3850877.25	0.00399	0.00404	6.25E-04	6.59E-04	5.89E-04	6.03E-04	5.69E-04	1.66E-04	1.68E-04	3.33E-04	1.62E-04	1.64E-04	3.25E-04	1.59E-04	1.61E-04	3.21E-04
3618	475363.09, 3850877.25	0.00436	0.00442	6.83E-04	7.21E-04	6.43E-04	6.59E-04	6.22E-04	1.81E-04	1.83E-04	3.64E-04	1.77E-04	1.79E-04	3.55E-04	1.74E-04	1.77E-04	3.51E-04
3619	475863.09, 3850877.25	0.00482	0.00487	7.55E-04	7.95E-04	7.11E-04	7.29E-04	6.87E-04	2.00E-04	2.02E-04	4.02E-04	1.95E-04	1.97E-04	3.92E-04	1.93E-04	1.95E-04	3.87E-04
3620	476363.09, 3850877.25	0.00541	0.00546	8.47E-04	8.91E-04	7.98E-04	8.18E-04	7.71E-04	2.24E-04	2.27E-04	4.51E-04	2.19E-04	2.21E-04	4.40E-04	2.16E-04	2.18E-04	4.34E-04
3621	476863.09, 3850877.25	0.00606	0.00614	9.49E-04	1.00E-03	8.94E-04	9.16E-04	8.64E-04	2.51E-04	2.55E-04	5.06E-04	2.45E-04	2.49E-04	4.94E-04	2.42E-04	2.45E-04	4.87E-04
3622	477363.09, 3850877.25	0.00699	0.00712	1.09E-03	1.16E-03	1.03E-03	1.06E-03	9.97E-04	2.90E-04	2.95E-04	5.85E-04	2.83E-04	2.88E-04	5.71E-04	2.79E-04	2.84E-04	5.64E-04
3623	477863.09, 3850877.25	0.00843	0.00858	1.32E-03	1.40E-03	1.24E-03	1.27E-03	1.20E-03	3.50E-04	3.56E-04	7.06E-04	3.41E-04	3.47E-04	6.89E-04	3.37E-04	3.43E-04	6.79E-04
3624	478363.09, 3850877.25	0.01105	0.0112	1.73E-03	1.83E-03	1.63E-03	1.67E-03	1.58E-03	4.58E-04	4.65E-04	9.23E-04	4.47E-04	4.53E-04	9.01E-04	4.41E-04	4.47E-04	8.89E-04
3625	478863.09, 3850877.25	0.01623	0.01651	2.54E-03	2.69E-03	2.40E-03	2.45E-03	2.31E-03	6.73E-04	6.85E-04	1.36E-03	6.57E-04	6.68E-04	1.33E-03	6.48E-04	6.60E-04	1.31E-03
3626	479363.09, 3850877.25	0.03565	0.03681	5.58E-03	6.01E-03	5.26E-03	5.39E-03	5.08E-03	1.48E-03	1.53E-03	3.01E-03	1.44E-03	1.49E-03	2.93E-03	1.42E-03	1.47E-03	2.89E-03
3627	479863.09, 3850877.25	0.27985	0.26684	4.38E-02	4.36E-02	4.13E-02	4.23E-02	3.99E-02	1.16E-02	1.11E-02	2.27E-02	1.13E-02	1.08E-02	2.21E-02	1.12E-02	1.07E-02	2.18E-02
3628	480363.09, 3850877.25	0.06011	0.0601	9.42E-03	9.81E-03	8.87E-03	9.09E-03	8.57E-03	2.49E-03	2.49E-03	4.99E-03	2.43E-03	2.43E-03	4.87E-03	2.40E-03	2.40E-03	4.80E-03
3629	480863.09, 3850877.25	0.03295	0.03312	5.16E-03	5.41E-03	4.86E-03	4.98E-03	4.70E-03	1.37E-03	1.37E-03	2.74E-03	1.33E-03	1.34E-03	2.67E-03	1.32E-03	1.32E-03	2.64E-03
3630	481363.09, 3850877.25	0.02233	0.02259	3.50E-03	3.69E-03	3.30E-03	3.38E-03	3.18E-03	9.26E-04	9.37E-04	1.86E-03	9.04E-04	9.15E-04	1.82E-03	8.92E-04	9.02E-04	1.79E-03
3631	481863.09, 3850877.25	0.01607	0.01624	2.52E-03	2.65E-03	2.37E-03	2.43E-03	2.29E-03	6.67E-04	6.74E-04	1.34E-03	6.51E-04	6.57E-04	1.31E-03	6.42E-04	6.49E-04	1.29E-03
3632	482363.09, 3850877.25	0.01183	0.01198	1.85E-03	1.96E-03	1.75E-03	1.79E-03	1.69E-03	4.91E-04	4.97E-04	9.88E-04	4.79E-04	4.85E-04	9.64E-04	4.73E-04	4.79E-04	9.51E-04
3633	482863.09, 3850877.25	0.00955	0.0097	1.50E-03	1.58E-03	1.41E-03	1.44E-03	1.36E-03	3.96E-04	4.02E-04	7.99E-04	3.87E-04	3.93E-04	7.79E-04	3.81E-04	3.87E-04	7.69E-04
3634	483363.09, 3850877.25	0.00783	0.00796	1.23E-03	1.30E-03	1.16E-03	1.18E-03	1.12E-03	3.25E-04	3.30E-04	6.55E-04	3.17E-04	3.22E-04	6.39E-04	3.13E-04	3.18E-04	6.31E-04
3635	483863.09, 3850877.25	0.00712	0.00726	1.12E-03	1.19E-03	1.05E-03	1.08E-03	1.02E-03	2.95E-04	3.01E-04	5.97E-04	2.88E-04	2.94E-04	5.82E-04	2.84E-04	2.90E-04	5.74E-04
3636	484363.09, 3850877.25	0.007	0.00714	1.10E-03	1.17E-03	1.03E-03	1.06E-03	9.98E-04	2.90E-04	2.96E-04	5.87E-04	2.83E-04	2.89E-04	5.72E-04	2.80E-04	2.85E-04	5.65E-04
3637	484863.09, 3850877.25	0.00654	0.00668	1.02E-03	1.09E-03	9.65E-04	9.89E-04	9.33E-04	2.71E-04	2.77E-04	5.48E-04	2.65E-04	2.70E-04	5.35E-04	2.61E-04	2.67E-04	5.28E-04
3638	485363.09, 3850877.25	0.00623	0.00637	9.76E-04	1.04E-03	9.19E-04	9.42E-04	8.88E-04	2.58E-04	2.64E-04	5.23E-04	2.52E-04	2.58E-04	5.10E-04	2.49E-04	2.54E-04	5.03E-04
3639	485863.09, 3850877.25	0.00562	0.00574	8.80E-04	9.37E-04	8.29E-04	8.50E-04	8.01E-04	2.33E-04	2.38E-04	4.71E-04	2.28E-04	2.32E-04	4.60E-04	2.25E-04	2.29E-04	4.54E-04
3640	486363.09, 3850877.25	0.00542	0.00553	8.49E-04	9.03E-04	8.00E-04	8.19E-04	7.73E-04	2.25E-04	2.29E-04	4.54E-04	2.19E-04	2.24E-04	4.43E-04	2.17E-04	2.21E-04	4.37E-04
3641	486863.09, 3850877.25	0.00512	0.00522	8.02E-04	8.52E-04	7.56E-04	7.74E-04	7.30E-04	2.12E-04	2.17E-04	4.29E-04	2.07E-04	2.11E-04	4.19E-04	2.05E-04	2.09E-04	4.13E-04
3642	487363.09, 3850877.25	0.00478	0.00488	7.49E-04	7.97E-04	7.05E-04	7.23E-04	6.82E-04	1.98E-04	2.02E-04	4.01E-04	1.94E-04	1.98E-04	3.91E-04	1.91E-04	1.95E-04	3.86E-04
3643	487863.09, 3850877.25	0.00454	0.00464	7.11E-04	7.57E-04	6.70E-04	6.86E-04	6.47E-04	1.88E-04	1.93E-04	3.81E-04	1.84E-04	1.88E-04	3.72E-04	1.81E-04	1.85E-04	3.67E-04
3644	488363.09, 3850877.25	0.00433	0.00444	6.78E-04	7.25E-04	6.39E-04	6.55E-04	6.17E-04	1.80E-04	1.84E-04	3.64E-04	1.75E-04	1.80E-04	3.55E-04	1.73E-04	1.77E-04	3.50E-04
3645	488863.09, 3850877.25	0.00412	0.00422	6.45E-04	6.89E-04	6.08E-04	6.23E-04	5.87E-04	1.71E-04	1.75E-04	3.46E-04	1.67E-04	1.71E-04	3.38E-04	1.65E-04	1.69E-04	3.33E-04
3646	489363.09, 3850877.25	0.00394	0.00404	6.17E-04	6.59E-04	5.81E-04	5.96E-04	5.62E-04	1.63E-04	1.68E-04	3.31E-04	1.60E-04	1.64E-04	3.23E-04	1.57E-04	1.61E-04	3.19E-04
3647	489863.09, 3850877.25	0.00373	0.00384	5.84E-04	6.27E-04	5.51E-04	5.64E-04	5.32E-04	1.55E-04	1.59E-04	3.14E-04	1.51E-04	1.55E-04	3.06E-04	1.49E-04	1.53E-04	3.02E-04
3648	490363.09, 3850877.25	0.00357	0.00367	5.59E-04	5.99E-04	5.27E-04	5.40E-04	5.09E-04	1.48E-04	1.52E-04	3.00E-04	1.45E-04	1.49E-04	2.93E-04	1.43E-04	1.47E-04	2.89E-04
3649	490863.09, 3850877.25	0.0034	0.00351	5.33E-04	5.73E-04	5.02E-04	5.14E-04	4.85E-04	1.41E-04	1.46E-04	2.87E-04	1.38E-04	1.42E-04	2.80E-04	1.36E-04	1.40E-04	2.76E-04
3650	491363.09, 3850877.25	0.00321	0.00331	5.03E-04	5.40E-04	4.74E-04	4.85E-04	4.58E-04	1.33E-04	1.37E-04	2.71E-04	1.30E-04	1.34E-04	2.64E-04	1.28E-04	1.32E-04	2.60E-04
3651	491863.09, 3850877.25	0.00301	0.00311	4.72E-04	5.08E-04	4.44E-04	4.55E-04	4.29E-04	1.25E-04	1.29E-04	2.54E-04	1.22E-04	1.26E-04	2.48E-04	1.20E-04	1.24E-04	2.44E-04
3652	492363.09, 3850877.25	0.00283	0.00293	4.43E-04	4.78E-04	4.18E-04	4.28E-04	4.04E-04	1.17E-04	1.22E-04	2.39E-04	1.15E-04	1.19E-04	2.33E-04	1.13E-04	1.17E-04	2.30E-04
3653	492863.09, 3850877.25	0.0027	0.00279	4.23E-04	4.55E-04	3.98E-04	4.08E-04	3.85E-04	1.12E-04	1.16E-04	2.28E-04	1.09E-04	1.13E-04	2.22E-04	1.08E-04	1.11E-04	2.19E-04
3654	493363.09, 3850877.25	0.00261	0.0027	4.09E-04	4.41E-04	3.85E-04	3.95E-04	3.72E-04	1.08E-04	1.12E-04	2.20E-04	1.06E-04	1.09E-04	2.15E-04	1.04E-04	1.08E-04	2.12E-04
3655	493863.09, 3850877.25	0.00263	0.00273	4.12E-04	4.46E-04	3.88E-04	3.98E-04	3.75E-04	1.09E-04	1.13E-04	2.22E-04	1.06E-04	1.11E-04	2.17E-04	1.05E-04	1.09E-04	2.14E-04
3656	494363.09, 3850877.25	0.00259	0.00269	4.06E-04	4.39E-04	3.82E-04	3.92E-04	3.69E-04	1.07E-04	1.12E-04	2.19E-04	1.05E-04	1.09E-04	2.14E-04	1.03E-04	1.07E-04	2.11E-04
3657	494863.09, 3850877.25	0.00262	0.00273	4.10E-04	4.46E-04	3.87E-04	3.96E-04	3.74E-04	1.09E-04	1.13E-04	2.22E-04	1.06E-04	1.11E-04	2.17E-04	1.05E-04	1.09E-04	2.14E-04
3658	495363.09, 3850877.25	0.00267	0.00278	4.18E-04	4.54E-04	3.94E-04	4.04E-04	3.81E-04	1.11E-04	1.15E-04	2.26E-04	1.08E-04	1.13E-04	2.21E-04	1.07E-04	1.11E-04	2.18E-04
3659	495863.09, 3850877.25	0.00262	0.00273	4.10E-04	4.46E-04	3.87E-04	3.96E-04	3.74E-04	1.09E-04	1.13E-04	2.22E-04	1.06E-04	1.11E-04	2.17E-04	1.05E-04	1.09E-04	2.14E-04
3660	496363.09, 3850877.25	0.00261	0.00272	4.09E-04	4.44E-04	3.85E-04	3.95E-04	3.72E-04	1.08E-04	1.13E-04	2.21E-04	1.06E-04	1.10E-04	2.16E-04	1.04E-04	1.09E-04	2.13E-04
3661	496863.09, 3850877.25	0.00264	0.00276	4.14E-04	4.51E-04	3.90E-04	3.99E-04	3.76E-04	1.10E-04	1.15E-04	2.24E-04	1.07E-04	1.12E-04	2.19E-04	1.05E-04	1.10E-04	2.16E-04
3662	497363.09, 3850877.25	0.00258	0.00271	4.04E-04	4.42E-04	3.81E-04	3.90E-04	3.68E-04	1.07E-04	1.12E-04	2.19E-04	1.04E-04	1.10E-04	2.14E-04	1.03E-04	1.08E-04	2.11E-04
3663	497863.09, 3850877.25	0.00251	0.00263	3.93E-04	4.29E-04	3.70E-04	3.79E-04	3.58E-04	1.04E-04	1.09E-04	2.13E-04	1.02E-04	1.06E-04	2.08E-04	1.00E-04	1.05E-04	2.05E-04
3664	498363.09, 3850877.25	0.00244	0.00255	3.82E-04	4.16E-04	3.60E-04	3.69E-04	3.48E-04	1.01E-04	1.06E-04	2.07E-04	9.88E-05	1.03E-04	2.02E-04	9.75E-05	1.02E-04	1.99E-04
3665	471363.09, 3851377.25	0.00193	0.00197	3.02E-04	3.22E-04	2.85E-04	2.92E-04	2.75E-04	8.01E-05	8.17E-05	1.62E-04	7.81E-05	7.98E-05	1.58E-04	7.71E-05	7.87E-05	1.56E-04
3666	471863.09, 3851377.25	0.00224	0.00229	3.51E-04	3.74E-04	3.31E-04	3.39E-04	3.19E-04	9.29E-05	9.50E-05	1.88E-04	9.07E-05	9.27E-05	1.83E-04	8.95E-05	9.15E-05	1.81E-04
3667	472363.09, 3851377.25	0.00232	0.00236	3.63E-04	3.85E-04	3.42E-04	3.51E-04	3.31E-04	9.63E-05	9.79E-05	1.94E-04	9.39E-05	9.55E-05	1.89E-04	9.27E-05	9.43E-05	1.87E-04
3668	472863.09, 3851377.25	0.00242	0.00246	3.79E-04	4.02E-04	3.57E-04	3.66E-04	3.45E-04	1.00E-04	1.02E-04	2.02E-04	9.80E-05	9.96E-05	1.98E-04	9.67E-05	9.83E-05	1.95E-04
3669	473363.09, 3851377.25	0.00233	0.00237	3.65E-04	3.87E-04	3.44E-04	3.52E-04	3.32E-04	9.67E-05	9.83E-05	1.95E-04	9.43E-05	9.59E-05	1.90E-04	9.31E-05	9.47E-05	1.88E-04
3670	473863.09, 3851377.25	0.00249	0.00254	3.90E-04	4.15E-04	3.67E-04	3.76E-04	3.55E-04	1.03E-04	1.05E-04	2.09E-04	1.01E-04	1.03E-04	2.04E-04	9.95E-05	1.01E-04	2.01E-04
3671	474363.09, 3851377.25	0.00297	0.00302	4.65E-04	4.93E-04	4.38E-04	4.49E-04	4.23E-04	1.23E-04	1.25E-04	2.49E-04	1.20E-04	1.22E-04	2.43E-04	1.19E-04	1.21E-04	2.39E-04
3672	474863.09, 3851377.25	0.00339	0.00344	5.31E-04	5.62E-04	5.00E-04	5.12E-04	4.83E-04	1.41E-04	1.43E-04	2.83E-04	1.37E-04	1.39E-04	2.77E-04	1.35E-04	1.37E-04	2.73E-04
3673	475363.09, 3851377.25	0.00372	0.00377	5.83E-04	6.15E-04	5.49E-04	5.62E-04	5.30E-04	1.54E-04	1.56E-04	3.11E-04	1.51E-04	1.53E-04	3.03E-04	1.49E-04	1.51E-04	2.99E-04
3674	475863.09, 3851377.25	0.00403	0.00409	6.31E-04	6.68E-04	5.95E-04	6.09E-04	5.75E-04	1.67E-04	1.70E-04	3.37E-04	1.63E-04	1.66E-04	3.29E-04	1.61E-04	1.63E-04	3.24E-04
3675	476363.09, 3851377.25	0.00441	0.00448	6.91E-04	7.31E-04	6.51E-04	6.67E-04	6.29E-04	1.83E-04	1.86E-04	3.69E-04	1.79E-04	1.81E-04	3.60E-04	1.76E-04	1.79E-04	3.55E-04
3676	476863.09, 3851377.25	0.00485	0.0049	7.60E-04	8.00E-04	7.16E-04	7.33E-04	6.92E-04	2.01E-04	2.03E-04	4.05E-04	1.96E-04	1.98E-04	3.95E-04	1.94E-04	1.96E-04	3.89E-04
3677	477363.09, 3851377.25	0.00533	0.0054	8.35E-04	8.81E-04	7.87E-04	8.06E-04	7.60E-04	2.21E-04	2.24E-04	4.45E-04	2.16E-04	2.19E-04	4.34E-04	2.13E-04	2.16E-04	4.29E-04
3678	477863.09, 3851377.25	0.00601	0.00612	9.41E-04	9.99E-04	8.87E-04	9.08E-04	8.57E-04	2.49E-04	2.54E-04	5.03E-04	2.43E-04	2.48E-04	4.91E-04	2.40E-04	2.44E-04	4.85E-04
3679	478363.09, 3851377.25	0.00695	0.00711	1.09E-03	1.16E-03	1.03E-03	1.05E-03	9.91E-04	2.88E-04	2.95E-04	5.83E-04	2.81E-04	2.88E-04	5.69E-04	2.78E-04	2.84E-04	5.62E-04
3680	478863.09, 3851377.25	0.00843	0.00857	1.32E-03	1.40E-03	1.24E-03	1.27E-03	1.20E-03	3.50E-04	3.56E-04	7.05E-04	3.41E-04	3.47E-04	6.88E-04	3.37E-04	3.42E-04	6.79E-04
3681	479363.09, 3851377.25	0.01089	0.01106	1.71E-03	1.81E-03	1.61E-03	1.65E-03	1.55E-03	4.52E-04	4.59E-04	9.11E-04	4.41E-04	4.48E-04	8.89E-04	4.35E-04	4.42E-04	8.77E-04
3682	479863.09, 3851377.25	0.01593	0.01625	2.50E-03	2.65E-03	2.35E-03	2.41E-03	2.27E-03	6.61E-04	6.74E-04	1.34E-03	6.45E-04	6.58E-04	1.30E-03	6.36E-04	6.49E-04	1.29E-03
3683	480363.09, 3851377.25	0.03465	0.03518	5.43E-03	5.74E-03	5.11E-03	5.24E-03	4.94E-03	1.44E-03	1.46E-03	2.90E-03	1.40E-03	1.42E-03	2.83E-03	1.38E-03	1.41E-03	2.79E-03
3684	480863.09, 3851377.25	0.30558	0.31174	4.79E-02	5.09E-02	4.51E-02	4.62E-02	4.36E-02	1.27E-02	1.29E-02	2.56E-02	1.24E-02	1.26E-02	2.50E-02	1.22E-02	1.25E-02	2.47E-02
3685	481363.09, 3851377.25	0.0559	0.05662	8.76E-03	9.24E-03	8.25E-03	8.45E-03	7.97E-03	2.32E-03	2.35E-03	4.67E-03	2.26E-03	2.29E-03	4.56E-03	2.23E-03	2.26E-03	4.49E-03
3686	481863.09, 3851377.25	0.02699	0.02737	4.23E-03	4.47E-03	3.98E-03	4.08E-03	3.85E-03	1.12E-03	1.14E-03	2.26E-03	1.09E-03	1.11E-03	2.20E-03	1.08E-03	1.09E-03	2.17E-03
3687	482363.09, 3851377.25	0.01764	0.01783	2.76E-03	2.91E-03	2.60E-03	2.67E-03	2.52E-03	7.32E-04	7.40E-04	1.47E-03	7.14E-04	7.22E-04	1.44E-03	7.05E-04	7.12E-04	1.42E-03
3688	482863.09, 3851377.25	0.01216	0.01238	1.90E-03	2.02E-03	1.79E-03	1.84E-03	1.73E-03	5.04E-04	5.14E-04	1.02E-03	4.92E-04	5.01E-04	9.93E-04	4.86E-04	4.95E-04	9.80E-04
3689	483363.09, 3851377.25	0.0093	0.00948	1.46E-03	1.55E-03	1.37E-03	1.41E-03	1.33E-03	3.86E-04	3.93E-04	7.79E-04	3.77E-04	3.84E-04	7.60E-04	3.72E-04	3.79E-04	7.50E-04
3690	483863.09, 3851377.25	0.00794	0.00811	1.24E-03	1.32E-03	1.17E-03	1.20E-03	1.13E-03	3.29E-04	3.36E-04	6.66E-04	3.21E-04	3.28E-04	6.50E-04	3.17E-04	3.24E-04	6.41E-04
3691	484363.09, 3851377.25	0.00788	0.00807	1.23E-03	1.32E-03	1.16E-03	1.19E-03	1.12E-03	3.27E-04	3.35E-04	6.62E-04	3.19E-04	3.27E-04	6.46E-04	3.15E-04	3.22E-04	6.37E-04
3692	484863.09, 3851377.25	0.00657	0.00671	1.03E-03	1.10E-03	9.70E-04	9.93E-04	9.37E-04	2.73E-04	2.78E-04	5.51E-04	2.66E-04	2.72E-04	5.38E-04	2.62E-04	2.68E-04	5.30E-04
3693	485363.09, 3851377.25	0.00669	0.00687	1.05E-03	1.12E-03	9.87E-04	1.01E-03	9.54E-04	2.78E-04	2.85E-04	5.63E-04	2.71E-04	2.78E-04	5.49E-04	2.67E-04	2.74E-04	5.42E-04
3694	485863.09, 3851377.25	0.00595	0.0061	9.32E-04	9.96E-04	8.78E-04	8.99E-04	8.48E-04	2.47E-04	2.53E-04	5.00E-04	2.41E-04	2.47E-04	4.88E-04	2.38E-04	2.44E-04	4.81E-04
3695	486363.09, 3851377.25	0.00576	0.00591	9.02E-04	9.65E-04	8.50E-04	8.71E-04	8.21E-04	2.39E-04	2.45E-04	4.84E-04	2.33E-04	2.39E-04	4.72E-04	2.30E-04	2.36E-04	4.66E-04
3696	486863.09, 3851377.25	0.00536	0.0055	8.40E-04	8.98E-04	7.91E-04	8.10E-04	7.64E-04	2.22E-04	2.28E-04	4.51E-04	2.17E-04	2.23E-04	4.40E-04	2.14E-04	2.20E-04	4.34E-04
3697	487363.09, 3851377.25	0.00482	0.00495	7.55E-04	8.08E-04	7.11E-04	7.29E-04	6.87E-04	2.00E-04	2.05E-04	4.05E-04	1.95E-04	2.00E-04	3.96E-04	1.93E-04	1.98E-04	3.90E-04
3698	487863.09, 3851377.25	0.0047	0.00484	7.36E-04	7.90E-04	6.94E-04	7.10E-04	6.70E-04	1.95E-04	2.01E-04	3.96E-04	1.90E-04	1.96E-04	3.86E-04	1.88E-04	1.93E-04	3.81E-04
3699	488363.09, 3851377.25	0.0045	0.00463	7.05E-04	7.56E-04	6.64E-04	6.80E-04	6.42E-04	1.87E-04	1.92E-04	3.79E-04	1.82E-04	1.87E-04	3.70E-04	1.80E-04	1.85E-04	3.65E-04
3700	488863.09, 3851377.25	0.00427	0.00441	6.69E-04	7.20E-04	6.30E-04	6.45E-04	6.09E-04	1.77E-04	1.83E-04	3.60E-04	1.73E-04	1.79E-04	3.51E-04	1.71E-04	1.76E-04	3.47E-04
3701	489363.09, 3851377.25	0.00407	0.00421	6.38E-04	6.87E-04	6.01E-04	6.15E-04	5.80E-04	1.69E-04	1.75E-04	3.44E-04	1.65E-04	1.70E-04	3.35E-04	1.63E-04	1.68E-04	3.31E-04
3702	489863.09, 3851377.25	0.00386	0.004	6.05E-04	6.53E-04	5.70E-04	5.83E-04	5.50E-04	1.60E-04	1.66E-04	3.26E-04	1.56E-04	1.62E-04	3.18E-04	1.54E-04	1.60E-04	3.14E-04
3703	490363.09, 3851377.25	0.00368	0.00382	5.76E-04	6.24E-04	5.43E-04	5.56E-04	5.25E-04	1.53E-04	1.58E-04	3.11E-04	1.49E-04	1.55E-04	3.04E-04	1.47E-04	1.53E-04	3.00E-04
3704	490863.09, 3851377.25	0.0035	0.00364	5.48E-04	5.94E-04	5.17E-04	5.29E-04	4.99E-04	1.45E-04	1.51E-04	2.96E-04	1.42E-04	1.47E-04	2.89E-04	1.40E-04	1.45E-04	2.85E-04
3705	491363.09, 3851377.25	0.0033	0.00345	5.17E-04	5.63E-04	4.87E-04	4.99E-04	4.71E-04	1.37E-04	1.43E-04	2.80E-04	1.34E-04	1.40E-04	2.73E-04	1.32E-04	1.38E-04	2.70E-04
3706	491863.09, 3851377.25	0.00313	0.00327	4.90E-04	5.34E-04	4.62E-04	4.73E-04	4.46E-04	1.30E-04	1.36E-04	2.66E-04	1.27E-04	1.32E-04	2.59E-04	1.25E-04	1.31E-04	2.56E-04
3707	492363.09, 3851377.25	0.003	0.00313	4.70E-04	5.11E-04	4.43E-04	4.53E-04	4.28E-04	1.24E-04	1.30E-04	2.54E-04	1.21E-04	1.27E-04	2.48E-04	1.20E-04	1.25E-04	2.45E-04
3708	492863.09, 3851377.25	0.00285	0.00298	4.46E-04	4.86E-04	4.21E-04	4.31E-04	4.06E-04	1.18E-04	1.24E-04	2.42E-04	1.15E-04	1.21E-04	2.36E-04	1.14E-04	1.19E-04	2.33E-04

3709	493363.09, 3851377.25	0.00262	0.00273	4.10E-04	4.46E-04	3.87E-04	3.96E-04	3.74E-04	1.09E-04	1.13E-04	2.22E-04	1.06E-04	1.11E-04	2.17E-04	1.05E-04	1.09E-04	2.14E-04
3710	493863.09, 3851377.25	0.00264	0.00276	4.14E-04	4.51E-04	3.90E-04	3.99E-04	3.76E-04	1.10E-04	1.15E-04	2.24E-04	1.07E-04	1.12E-04	2.19E-04	1.05E-04	1.10E-04	2.16E-04
3711	494363.09, 3851377.25	0.00277	0.0029	4.34E-04	4.73E-04	4.09E-04	4.19E-04	3.95E-04	1.15E-04	1.20E-04	2.35E-04	1.12E-04	1.17E-04	2.30E-04	1.11E-04	1.16E-04	2.26E-04
3712	494863.09, 3851377.25	0.00273	0.00287	4.28E-04	4.68E-04	4.03E-04	4.13E-04	3.89E-04	1.13E-04	1.19E-04	2.32E-04	1.11E-04	1.16E-04	2.27E-04	1.09E-04	1.15E-04	2.24E-04
3713	495363.09, 3851377.25	0.00283	0.00299	4.43E-04	4.88E-04	4.18E-04	4.28E-04	4.04E-04	1.17E-04	1.24E-04	2.41E-04	1.15E-04	1.21E-04	2.36E-04	1.13E-04	1.19E-04	2.32E-04
3714	495863.09, 3851377.25	0.00281	0.00297	4.40E-04	4.85E-04	4.15E-04	4.25E-04	4.01E-04	1.17E-04	1.23E-04	2.40E-04	1.14E-04	1.20E-04	2.34E-04	1.12E-04	1.19E-04	2.31E-04
3715	496363.09, 3851377.25	0.00277	0.00293	4.34E-04	4.78E-04	4.09E-04	4.19E-04	3.95E-04	1.15E-04	1.22E-04	2.36E-04	1.12E-04	1.19E-04	2.31E-04	1.11E-04	1.17E-04	2.28E-04
3716	496863.09, 3851377.25	0.00272	0.00287	4.26E-04	4.68E-04	4.01E-04	4.11E-04	3.88E-04	1.13E-04	1.19E-04	2.32E-04	1.10E-04	1.16E-04	2.26E-04	1.09E-04	1.15E-04	2.23E-04
3717	497363.09, 3851377.25	0.00266	0.00281	4.17E-04	4.59E-04	3.93E-04	4.02E-04	3.79E-04	1.10E-04	1.17E-04	2.27E-04	1.08E-04	1.14E-04	2.21E-04	1.06E-04	1.12E-04	2.19E-04
3718	497863.09, 3851377.25	0.00259	0.00274	4.06E-04	4.47E-04	3.82E-04	3.92E-04	3.69E-04	1.07E-04	1.14E-04	2.21E-04	1.05E-04	1.11E-04	2.16E-04	1.03E-04	1.09E-04	2.13E-04
3719	498363.09, 3851377.25	0.00248	0.00261	3.88E-04	4.26E-04	3.66E-04	3.75E-04	3.54E-04	1.03E-04	1.08E-04	2.11E-04	1.00E-04	1.06E-04	2.06E-04	9.91E-05	1.04E-04	2.03E-04
3720	471363.09, 3851877.25	0.00189	0.00192	2.96E-04	3.13E-04	2.79E-04	2.86E-04	2.69E-04	7.84E-05	7.97E-05	1.58E-04	7.65E-05	7.77E-05	1.54E-04	7.55E-05	7.67E-05	1.52E-04
3721	471863.09, 3851877.25	0.0019	0.00194	2.98E-04	3.17E-04	2.80E-04	2.87E-04	2.71E-04	7.88E-05	8.05E-05	1.59E-04	7.69E-05	7.85E-05	1.55E-04	7.59E-05	7.75E-05	1.53E-04
3722	472363.09, 3851877.25	0.00207	0.00212	3.24E-04	3.46E-04	3.06E-04	3.13E-04	2.95E-04	8.59E-05	8.80E-05	1.74E-04	8.38E-05	8.58E-05	1.70E-04	8.27E-05	8.47E-05	1.67E-04
3723	472863.09, 3851877.25	0.00223	0.00228	3.49E-04	3.72E-04	3.29E-04	3.37E-04	3.18E-04	9.25E-05	9.46E-05	1.87E-04	9.03E-05	9.23E-05	1.83E-04	8.91E-05	9.11E-05	1.80E-04
3724	473363.09, 3851877.25	0.00217	0.00222	3.40E-04	3.62E-04	3.20E-04	3.28E-04	3.09E-04	9.00E-05	9.21E-05	1.82E-04	8.79E-05	8.99E-05	1.78E-04	8.67E-05	8.87E-05	1.75E-04
3725	473863.09, 3851877.25	0.00222	0.00228	3.48E-04	3.72E-04	3.28E-04	3.36E-04	3.17E-04	9.21E-05	9.46E-05	1.87E-04	8.99E-05	9.23E-05	1.82E-04	8.87E-05	9.11E-05	1.80E-04
3726	474363.09, 3851877.25	0.00252	0.00258	3.95E-04	4.21E-04	3.72E-04	3.81E-04	3.59E-04	1.05E-04	1.07E-04	2.12E-04	1.02E-04	1.04E-04	2.06E-04	1.01E-04	1.03E-04	2.04E-04
3727	474863.09, 3851877.25	0.00287	0.00293	4.50E-04	4.78E-04	4.24E-04	4.34E-04	4.09E-04	1.19E-04	1.22E-04	2.41E-04	1.16E-04	1.19E-04	2.35E-04	1.15E-04	1.17E-04	2.32E-04
3728	475363.09, 3851877.25	0.00314	0.0032	4.92E-04	5.22E-04	4.63E-04	4.75E-04	4.48E-04	1.30E-04	1.33E-04	2.63E-04	1.27E-04	1.30E-04	2.57E-04	1.25E-04	1.28E-04	2.53E-04
3729	475863.09, 3851877.25	0.00342	0.00347	5.36E-04	5.66E-04	5.05E-04	5.17E-04	4.88E-04	1.42E-04	1.44E-04	2.86E-04	1.38E-04	1.40E-04	2.79E-04	1.37E-04	1.39E-04	2.75E-04
3730	476363.09, 3851877.25	0.00357	0.00363	5.59E-04	5.93E-04	5.27E-04	5.40E-04	5.09E-04	1.48E-04	1.51E-04	2.99E-04	1.45E-04	1.47E-04	2.91E-04	1.43E-04	1.45E-04	2.88E-04
3731	476863.09, 3851877.25	0.00394	0.00401	6.17E-04	6.55E-04	5.81E-04	5.96E-04	5.62E-04	1.63E-04	1.66E-04	3.30E-04	1.60E-04	1.62E-04	3.22E-04	1.57E-04	1.60E-04	3.18E-04
3732	477363.09, 3851877.25	0.00432	0.0044	6.77E-04	7.18E-04	6.38E-04	6.53E-04	6.16E-04	1.79E-04	1.83E-04	3.62E-04	1.75E-04	1.78E-04	3.53E-04	1.73E-04	1.76E-04	3.48E-04
3733	477863.09, 3851877.25	0.00474	0.00482	7.43E-04	7.87E-04	7.00E-04	7.17E-04	6.76E-04	1.97E-04	2.00E-04	3.97E-04	1.92E-04	1.95E-04	3.87E-04	1.89E-04	1.93E-04	3.82E-04
3734	478363.09, 3851877.25	0.00516	0.00526	8.08E-04	8.59E-04	7.62E-04	7.80E-04	7.36E-04	2.14E-04	2.18E-04	4.32E-04	2.09E-04	2.13E-04	4.22E-04	2.06E-04	2.10E-04	4.16E-04
3735	478863.09, 3851877.25	0.00592	0.00607	9.27E-04	9.91E-04	8.74E-04	8.95E-04	8.44E-04	2.46E-04	2.52E-04	4.97E-04	2.40E-04	2.46E-04	4.85E-04	2.36E-04	2.42E-04	4.79E-04
3736	479363.09, 3851877.25	0.007	0.00715	1.10E-03	1.17E-03	1.03E-03	1.06E-03	9.98E-04	2.90E-04	2.97E-04	5.87E-04	2.83E-04	2.89E-04	5.73E-04	2.80E-04	2.86E-04	5.65E-04
3737	479863.09, 3851877.25	0.00852	0.00866	1.33E-03	1.41E-03	1.26E-03	1.29E-03	1.21E-03	3.53E-04	3.59E-04	7.13E-04	3.45E-04	3.51E-04	6.96E-04	3.40E-04	3.46E-04	6.86E-04
3738	480363.09, 3851877.25	0.01111	0.01131	1.74E-03	1.85E-03	1.64E-03	1.68E-03	1.58E-03	4.61E-04	4.69E-04	9.30E-04	4.50E-04	4.58E-04	9.08E-04	4.44E-04	4.52E-04	8.96E-04
3739	480863.09, 3851877.25	0.01737	0.01756	2.72E-03	2.87E-03	2.56E-03	2.63E-03	2.48E-03	7.21E-04	7.29E-04	1.45E-03	7.03E-04	7.11E-04	1.41E-03	6.94E-04	7.01E-04	1.40E-03
3740	481363.09, 3851877.25	0.07802	0.07916	1.22E-02	1.29E-02	1.15E-02	1.18E-02	1.11E-02	3.24E-03	3.28E-03	6.52E-03	3.16E-03	3.20E-03	6.36E-03	3.12E-03	3.16E-03	6.28E-03
3741	481863.09, 3851877.25	0.05392	0.05432	8.45E-03	8.87E-03	7.96E-03	8.15E-03	7.69E-03	2.24E-03	2.25E-03	4.49E-03	2.18E-03	2.20E-03	4.38E-03	2.15E-03	2.17E-03	4.32E-03
3742	482363.09, 3851877.25	0.02142	0.02167	3.36E-03	3.54E-03	3.16E-03	3.24E-03	3.05E-03	8.89E-04	8.99E-04	1.79E-03	8.67E-04	8.77E-04	1.74E-03	8.56E-04	8.66E-04	1.72E-03
3743	482863.09, 3851877.25	0.01323	0.01349	2.07E-03	2.20E-03	1.95E-03	2.00E-03	1.89E-03	5.49E-04	5.60E-04	1.11E-03	5.36E-04	5.46E-04	1.08E-03	5.28E-04	5.39E-04	1.07E-03
3744	483363.09, 3851877.25	0.01102	0.0113	1.73E-03	1.84E-03	1.63E-03	1.67E-03	1.57E-03	4.57E-04	4.69E-04	9.26E-04	4.46E-04	4.57E-04	9.04E-04	4.40E-04	4.51E-04	8.92E-04
3745	483863.09, 3851877.25	0.00924	0.00951	1.45E-03	1.55E-03	1.36E-03	1.40E-03	1.32E-03	3.83E-04	3.95E-04	7.78E-04	3.74E-04	3.85E-04	7.59E-04	3.69E-04	3.80E-04	7.49E-04
3746	484363.09, 3851877.25	0.0086	0.00887	1.35E-03	1.45E-03	1.27E-03	1.30E-03	1.23E-03	3.57E-04	3.68E-04	7.25E-04	3.48E-04	3.59E-04	7.07E-04	3.44E-04	3.54E-04	6.98E-04
3747	484863.09, 3851877.25	0.00757	0.0078	1.19E-03	1.27E-03	1.12E-03	1.14E-03	1.08E-03	3.14E-04	3.24E-04	6.38E-04	3.06E-04	3.16E-04	6.22E-04	3.02E-04	3.12E-04	6.14E-04
3748	485363.09, 3851877.25	0.00703	0.00727	1.10E-03	1.19E-03	1.04E-03	1.06E-03	1.00E-03	2.92E-04	3.02E-04	5.93E-04	2.85E-04	2.94E-04	5.79E-04	2.81E-04	2.90E-04	5.71E-04
3749	485863.09, 3851877.25	0.00655	0.00679	1.03E-03	1.11E-03	9.67E-04	9.90E-04	9.34E-04	2.72E-04	2.82E-04	5.53E-04	2.65E-04	2.75E-04	5.40E-04	2.62E-04	2.71E-04	5.33E-04
3750	486363.09, 3851877.25	0.00589	0.0061	9.23E-04	9.96E-04	8.69E-04	8.90E-04	8.40E-04	2.44E-04	2.53E-04	4.97E-04	2.38E-04	2.47E-04	4.85E-04	2.35E-04	2.44E-04	4.79E-04
3751	486863.09, 3851877.25	0.00551	0.00571	8.63E-04	9.32E-04	8.13E-04	8.33E-04	7.86E-04	2.29E-04	2.37E-04	4.65E-04	2.23E-04	2.31E-04	4.54E-04	2.20E-04	2.28E-04	4.48E-04
3752	487363.09, 3851877.25	0.00517	0.00537	8.10E-04	8.77E-04	7.63E-04	7.82E-04	7.37E-04	2.14E-04	2.23E-04	4.37E-04	2.09E-04	2.17E-04	4.27E-04	2.07E-04	2.15E-04	4.21E-04
3753	487863.09, 3851877.25	0.00469	0.00486	7.35E-04	7.93E-04	6.92E-04	7.09E-04	6.69E-04	1.95E-04	2.02E-04	3.96E-04	1.90E-04	1.97E-04	3.87E-04	1.87E-04	1.94E-04	3.81E-04
3754	488363.09, 3851877.25	0.00446	0.00464	6.99E-04	7.57E-04	6.58E-04	6.74E-04	6.36E-04	1.85E-04	1.93E-04	3.78E-04	1.81E-04	1.88E-04	3.68E-04	1.78E-04	1.85E-04	3.64E-04
3755	488863.09, 3851877.25	0.00416	0.00434	6.52E-04	7.08E-04	6.14E-04	6.29E-04	5.93E-04	1.73E-04	1.80E-04	3.53E-04	1.68E-04	1.76E-04	3.44E-04	1.66E-04	1.73E-04	3.40E-04
3756	489363.09, 3851877.25	0.0039	0.00408	6.11E-04	6.66E-04	5.76E-04	5.90E-04	5.56E-04	1.62E-04	1.69E-04	3.31E-04	1.58E-04	1.65E-04	3.23E-04	1.56E-04	1.63E-04	3.19E-04
3757	489863.09, 3851877.25	0.0037	0.00387	5.80E-04	6.32E-04	5.46E-04	5.59E-04	5.28E-04	1.54E-04	1.61E-04	3.14E-04	1.50E-04	1.57E-04	3.06E-04	1.48E-04	1.55E-04	3.02E-04
3758	490363.09, 3851877.25	0.00356	0.00374	5.58E-04	6.10E-04	5.25E-04	5.38E-04	5.08E-04	1.48E-04	1.55E-04	3.03E-04	1.44E-04	1.51E-04	2.96E-04	1.42E-04	1.49E-04	2.92E-04
3759	490863.09, 3851877.25	0.00345	0.00364	5.40E-04	5.94E-04	5.09E-04	5.22E-04	4.92E-04	1.43E-04	1.51E-04	2.94E-04	1.40E-04	1.47E-04	2.87E-04	1.38E-04	1.45E-04	2.83E-04
3760	491363.09, 3851877.25	0.00337	0.00357	5.28E-04	5.83E-04	4.97E-04	5.09E-04	4.81E-04	1.40E-04	1.48E-04	2.88E-04	1.36E-04	1.45E-04	2.81E-04	1.35E-04	1.43E-04	2.77E-04
3761	491863.09, 3851877.25	0.00328	0.00347	5.14E-04	5.66E-04	4.84E-04	4.96E-04	4.68E-04	1.36E-04	1.44E-04	2.80E-04	1.33E-04	1.40E-04	2.73E-04	1.31E-04	1.39E-04	2.70E-04
3762	492363.09, 3851877.25	0.00312	0.00331	4.89E-04	5.40E-04	4.60E-04	4.72E-04	4.45E-04	1.29E-04	1.37E-04	2.67E-04	1.26E-04	1.34E-04	2.60E-04	1.25E-04	1.32E-04	2.57E-04
3763	492863.09, 3851877.25	0.00281	0.00297	4.40E-04	4.85E-04	4.15E-04	4.25E-04	4.01E-04	1.17E-04	1.23E-04	2.40E-04	1.14E-04	1.20E-04	2.34E-04	1.12E-04	1.19E-04	2.31E-04
3764	493363.09, 3851877.25	0.00296	0.00314	4.64E-04	5.13E-04	4.37E-04	4.47E-04	4.22E-04	1.23E-04	1.30E-04	2.53E-04	1.20E-04	1.27E-04	2.47E-04	1.18E-04	1.25E-04	2.44E-04
3765	493863.09, 3851877.25	0.0031	0.0033	4.86E-04	5.39E-04	4.58E-04	4.69E-04	4.42E-04	1.29E-04	1.37E-04	2.66E-04	1.26E-04	1.34E-04	2.59E-04	1.24E-04	1.32E-04	2.56E-04
3766	494363.09, 3851877.25	0.00297	0.00316	4.65E-04	5.16E-04	4.38E-04	4.49E-04	4.23E-04	1.23E-04	1.31E-04	2.54E-04	1.20E-04	1.28E-04	2.48E-04	1.19E-04	1.26E-04	2.45E-04
3767	494863.09, 3851877.25	0.00301	0.00322	4.72E-04	5.26E-04	4.44E-04	4.55E-04	4.29E-04	1.25E-04	1.34E-04	2.58E-04	1.22E-04	1.30E-04	2.52E-04	1.20E-04	1.29E-04	2.49E-04
3768	495363.09, 3851877.25	0.00301	0.00321	4.72E-04	5.24E-04	4.44E-04	4.55E-04	4.29E-04	1.25E-04	1.33E-04	2.58E-04	1.22E-04	1.30E-04	2.52E-04	1.20E-04	1.28E-04	2.48E-04
3769	495863.09, 3851877.25	0.00297	0.00318	4.65E-04	5.19E-04	4.38E-04	4.49E-04	4.23E-04	1.23E-04	1.32E-04	2.55E-04	1.20E-04	1.29E-04	2.49E-04	1.19E-04	1.27E-04	2.46E-04
3770	496363.09, 3851877.25	0.0029	0.0031	4.54E-04	5.06E-04	4.28E-04	4.38E-04	4.13E-04	1.20E-04	1.29E-04	2.49E-04	1.17E-04	1.26E-04	2.43E-04	1.16E-04	1.24E-04	2.40E-04
3771	496863.09, 3851877.25	0.00282	0.00301	4.42E-04	4.91E-04	4.16E-04	4.26E-04	4.02E-04	1.17E-04	1.25E-04	2.42E-04	1.14E-04	1.22E-04	2.36E-04	1.13E-04	1.20E-04	2.33E-04
3772	497363.09, 3851877.25	0.00274	0.00292	4.29E-04	4.77E-04	4.04E-04	4.14E-04	3.91E-04	1.14E-04	1.21E-04	2.35E-04	1.11E-04	1.18E-04	2.29E-04	1.09E-04	1.17E-04	2.26E-04
3773	497863.09, 3851877.25	0.00261	0.00277	4.09E-04	4.52E-04	3.85E-04	3.95E-04	3.72E-04	1.08E-04	1.15E-04	2.23E-04	1.06E-04	1.12E-04	2.18E-04	1.04E-04	1.11E-04	2.15E-04
3774	498363.09, 3851877.25	0.0025	0.00264	3.92E-04	4.31E-04	3.69E-04	3.78E-04	3.56E-04	1.04E-04	1.10E-04	2.13E-04	1.01E-04	1.07E-04	2.08E-04	9.99E-05	1.05E-04	2.05E-04
3775	471363.09, 3852377.25	0.00166	0.00168	2.60E-04	2.74E-04	2.45E-04	2.51E-04	2.37E-04	6.89E-05	6.97E-05	1.39E-04	6.72E-05	6.80E-05	1.35E-04	6.63E-05	6.71E-05	1.33E-04
3776	471863.09, 3852377.25	0.0018	0.00183	2.82E-04	2.99E-04	2.66E-04	2.72E-04	2.57E-04	7.47E-05	7.59E-05	1.51E-04	7.29E-05	7.41E-05	1.47E-04	7.19E-05	7.31E-05	1.45E-04
3777	472363.09, 3852377.25	0.00191	0.00193	2.99E-04	3.15E-04	2.82E-04	2.89E-04	2.72E-04	7.92E-05	8.01E-05	1.59E-04	7.73E-05	7.81E-05	1.55E-04	7.63E-05	7.71E-05	1.53E-04
3778	472863.09, 3852377.25	0.00201	0.00204	3.15E-04	3.33E-04	2.97E-04	3.04E-04	2.87E-04	8.34E-05	8.46E-05	1.68E-04	8.14E-05	8.26E-05	1.64E-04	8.03E-05	8.15E-05	1.62E-04
3779	473363.09, 3852377.25	0.00209	0.00212	3.27E-04	3.46E-04	3.08E-04	3.16E-04	2.98E-04	8.67E-05	8.80E-05	1.75E-04	8.46E-05	8.58E-05	1.70E-04	8.35E-05	8.47E-05	1.68E-04
3780	473863.09, 3852377.25	0.00213	0.00217	3.34E-04	3.54E-04	3.14E-04	3.22E-04	3.04E-04	8.84E-05	9.00E-05	1.78E-04	8.62E-05	8.79E-05	1.74E-04	8.51E-05	8.67E-05	1.72E-04
3781	474363.09, 3852377.25	0.00218	0.00223	3.41E-04	3.64E-04	3.22E-04	3.30E-04	3.11E-04	9.04E-05	9.25E-05	1.83E-04	8.83E-05	9.03E-05	1.79E-04	8.71E-05	8.91E-05	1.76E-04
3782	474863.09, 3852377.25	0.00258	0.00264	4.04E-04	4.31E-04	3.81E-04	3.90E-04	3.68E-04	1.07E-04	1.10E-04	2.17E-04	1.04E-04	1.07E-04	2.11E-04	1.03E-04	1.05E-04	2.09E-04
3783	475363.09, 3852377.25	0.00268	0.00276	4.20E-04	4.51E-04	3.96E-04	4.05E-04	3.82E-04	1.11E-04	1.15E-04	2.26E-04	1.08E-04	1.12E-04	2.20E-04	1.07E-04	1.10E-04	2.17E-04
3784	475863.09, 3852377.25	0.00279	0.00287	4.37E-04	4.68E-04	4.12E-04	4.22E-04	3.98E-04	1.16E-04	1.19E-04	2.35E-04	1.13E-04	1.16E-04	2.29E-04	1.11E-04	1.15E-04	2.26E-04
3785	476363.09, 3852377.25	0.00288	0.00296	4.51E-04	4.83E-04	4.25E-04	4.35E-04	4.11E-04	1.19E-04	1.23E-04	2.42E-04	1.17E-04	1.20E-04	2.36E-04	1.15E-04	1.18E-04	2.33E-04
3786	476863.09, 3852377.25	0.00314	0.00321	4.92E-04	5.24E-04	4.63E-04	4.75E-04	4.48E-04	1.30E-04	1.33E-04	2.63E-04	1.27E-04	1.30E-04	2.57E-04	1.25E-04	1.28E-04	2.54E-04
3787	477363.09, 3852377.25	0.00329	0.00335	5.15E-04	5.47E-04	4.86E-04	4.97E-04	4.69E-04	1.36E-04	1.39E-04	2.75E-04	1.33E-04	1.36E-04	2.69E-04	1.31E-04	1.34E-04	2.65E-04
3788	477863.09, 3852377.25	0.0031	0.00318	4.86E-04	5.19E-04	4.58E-04	4.69E-04	4.42E-04	1.29E-04	1.32E-04	2.61E-04	1.26E-04	1.29E-04	2.54E-04	1.24E-04	1.27E-04	2.51E-04
3789	478363.09, 3852377.25	0.00306	0.00315	4.79E-04	5.14E-04	4.52E-04	4.63E-04	4.36E-04	1.27E-04	1.31E-04	2.58E-04	1.24E-04	1.28E-04	2.51E-04	1.22E-04	1.26E-04	2.48E-04
3790	478863.09, 3852377.25	0.00375	0.00386	5.87E-04	6.30E-04	5.53E-04	5.67E-04	5.35E-04	1.56E-04	1.60E-04	3.16E-04	1.52E-04	1.56E-04	3.08E-04	1.50E-04	1.54E-04	3.04E-04
3791	479363.09, 3852377.25	0.00435	0.00449	6.81E-04	7.33E-04	6.42E-04	6.58E-04	6.20E-04	1.80E-04	1.86E-04	3.67E-04	1.76E-04	1.82E-04	3.58E-04	1.74E-04	1.79E-04	3.53E-04
3792	479863.09, 3852377.25	0.00574	0.00592	8.99E-04	9.66E-04	8.47E-04	8.68E-04	8.18E-04	2.38E-04	2.46E-04	4.84E-04	2.32E-04	2.40E-04	4.72E-04	2.29E-04	2.36E-04	4.66E-04
3793	480363.09, 3852377.25	0.00745	0.00759	1.17E-03	1.24E-03	1.10E-03	1.13E-03	1.06E-03	3.09E-04	3.15E-04	6.24E-04	3.02E-04	3.07E-04	6.09E-04	2.98E-04	3.03E-04	6.01E-04
3794	480863.09, 3852377.25	0.00969	0.00988	1.52E-03	1.61E-03	1.43E-03	1.46E-03	1.38E-03	4.02E-04	4.10E-04	8.12E-04	3.92E-04	4.00E-04	7.92E-04	3.87E-04	3.95E-04	7.82E-04
3795	481363.09, 3852377.25	0.01581	0.01603	2.48E-03	2.62E-03	2.33E-03	2.39E-03	2.25E-03	6.56E-04	6.65E-04	1.32E-03	6.40E-04	6.49E-04	1.29E-03	6.32E-04	6.40E-04	1.27E-03
3796	481863.09, 3852377.25	0.09009	0.09157	1.41E-02	1.49E-02	1.33E-02	1.36E-02	1.28E-02	3.74E-03	3.80E-03	7.54E-03	3.65E-03	3.71E-03	7.35E-03	3.60E-03	3.66E-03	7.26E-03
3797	482363.09, 3852377.25	0.05024	0.05052	7.87E-03	8.25E-03	7.41E-03	7.59E-03	7.16E-03	2.08E-03	2.10E-03	4.18E-03	2.03E-03	2.05E-03	4.08E-03	2.01E-03	2.02E-03	4.03E-03
3798	482863.09, 3852377.25	0.02127	0.02177	3.33E-03	3.55E-03	3.14E-03	3.22E-03	3.03E-03	8.82E-04	9.03E-04	1.79E-03	8.61E-04	8.81E-04	1.74E-03	8.50E-04	8.70E-04	1.72E-03
3799	483363.09, 3852377.25	0.01305	0.01347	2.04E-03	2.20E-03	1.93E-03	1.97E-03	1.86E-03	5.41E-04	5.59E-04	1.10E-03	5.28E-04	5.45E-04	1.07E-03	5.21E-04	5.38E-04	1.06E-03
3800	483863.09, 3852377.25	0.01005	0.0104	1.57E-03	1.70E-03	1.48E-03	1.52E-03	1.43E-03	4.17E-04	4.31E-04	8.48E-04	4.07E-04	4.21E-04	8.28E-04	4.01E-04	4.15E-04	8.17E-04
3801	484363.09, 3852377.25	0.00919	0.00956	1.44E-03	1.56E-03	1.36E-03	1.39E-03	1.31E-03	3.81E-04	3.97E-04	7.78E-04	3.72E-04	3.87E-04	7.59E-04	3.67E-04	3.82E-04	7.49E-04
3802	484863.09, 3852377.25	0.0084	0.00877	1.32E-03	1.43E-03	1.24E-03	1.27E-03	1.20E-03	3.48E-04	3.64E-04	7.12E-04	3.40E-04	3.55E-04	6.95E-04	3.36E-04	3.50E-04	6.86E-04
3803	485363.09, 3852377.25	0.00773	0.00811	1.21E-03	1.32E-03	1.14E-03	1.17E-03	1.10E-03	3.21E-04	3.36E-04	6.57E-04	3.13E-04	3.28E-04	6.41E-04	3.09E-04	3.24E-04	6.33E-04
3804	485863.09, 3852377.25	0.00684	0.00721	1.07E-03	1.18E-03	1.01E-03	1.03E-03	9.75E-04	2.84E-04	2.99E-04	5.83E-04	2.77E-04	2.92E-04	5.69E-04	2.73E-04	2.88E-04	5.61E-04
3805	486363.09, 3852377.25	0.00598	0.0063	9.37E-04	1.03E-03	8.83E-04	9.04E-04	8.53E-04	2.48E-04	2.61E-04	5.09E-04	2.42E-04	2.55E-04	4.97E-04	2.39E-04	2.52E-04	4.91E-04
3806	486863.09, 3852377.25	0.00551	0.00581	8.63E-04	9.48E-04	8.13E-04	8.33E-04	7.86E-04	2.29E-04	2.41E-04	4.70E-04	2.23E-04	2.35E-04	4.58E-04	2.20E-04	2.32E-04	4.52E-04
3807	487363.09, 3852377.25	0.00503	0.00531	7.88E-04	8.67E-04	7.42E-04	7.60E-04	7.17E-04	2.09E-04	2.20E-04	4.29E-04	2.04E-04	2.15E-04	4.19E-04	2.01E-04	2.12E-04	4.13E-04
3808	487863.09, 3852377.25	0.00461	0.00488	7.22E-04	7.97E-04	6.80E-04	6.97E-04	6.57E-04	1.91E-04	2.02E-04	3.94E-04	1.87E-04	1.98E-04	3.84E-04	1.84E-04	1.95E-04	3.79E-04
3809	488363.09, 3852377.25	0.00426	0.00452	6.67E-04	7.38E-04	6.29E-04	6.44E-04	6.07E-04	1.77E-04	1.88E-04	3.64E-04	1.72E-04	1.83E-04	3.55E-04	1.70E-04	1.81E-04	3.51E-04
3810	488863.09, 3852377.25	0.00392	0.00417	6.14E-04	6.81E-04	5.79E-04	5.93E-04	5.59E-04	1.63E-04	1.73E-04	3.36E-04	1.59E-04	1.69E-04	3.28E-04	1.57E-04	1.67E-04	3.23E-04
3811	489363.09, 3852377.25	0.00367	0.00391	5.75E-04	6.38E-04	5.42E-04	5.55E-04	5.23E-04	1.52E-04	1.62E-04	3.14E-04	1.49E-04	1.58E-04	3.07E-04	1.47E-04	1.56E-04	3.03E-04
3812	489863.09, 3852377.25	0.00339	0.00362	5.31E-04	5.91E-04	5.00E-04	5.12E-04	4.83E-04	1.41E-04	1.50E-04	2.91E-04	1.37E-04	1.47E-04	2.84E-04	1.35E-04	1.45E-04	2.80E-04
3813	490363.09, 3852377.25	0.00342	0.00366	5.36E-04	5.97E-04	5.05E-04	5.17E-04	4.88E-04	1.42E-04	1.52E-04	2.94E-04	1.38E-04	1.48E-04	2.87E-04	1.37E-04	1.46E-04	2.83E-04
3814	490863.09, 3852377.25	0.0034	0.00365	5.33E-04	5.96E-04	5.02E-04	5.14E-04	4.85E-04	1.41E-04	1.51E-04	2.92E-04	1.38E-04	1.48E-04	2.85E-04	1.36E-04	1.46E-04	2.82E-04
3815	491363.09, 3852377.25	0.00352	0.0038	5.51E-04	6.20E-04	5.20E-04	5.32E-04	5.02E-04	1.46E-04	1.58E-04	3.04E-04	1.43E-04	1.54E-04	2.96E-04	1.41E-04	1.52E-04	2.92E-04
3816	491863.09, 3852377.25	0.00344	0.00372	5.39E-04	6.07E-04	5.08E-04	5.20E-04	4.90E-04	1.43E-04	1.54E-04	2.97E-04	1.39E-04	1.51E-04	2.90E-04	1.37E-04	1.49E-04	2.86E-04
3817	492363.09, 3852377.25	0.00335	0.00362	5.25E-04	5.91E-04	4.94E-04	5.06E-04	4.78E-04	1.39E-04	1.50E-04	2.89E-04	1.36E-04	1.47E-04	2.82E-04	1.34E-04	1.45E-04	2.78E-04
3818	492863.09, 3852377.25	0.00333	0.00361	5.22E-04	5.89E-04	4.91E-04	5.03E-04	4.75E-04	1.38E-04	1.50E-04	2.88E-04	1.35E-04	1.46E-04	2.81E-04	1.33E-04	1.44E-04	2.77E-04
3819	493363.09, 3852377.25	0.00338	0.00368	5.29E-04	6.01E-04	4.99E-04	5.11E-04	4.82E-04	1.40E-04	1.53E-04	2.93E-04	1.37E-04	1.49E-04	2.86E-04	1.35E-04	1.47E-04	2.82E-04
3820	493863.09, 3852377.25	0.00328	0.00356	5.14E-04	5.81E-04	4.84E-04	4.96E-04	4.68E-04	1.36E-04	1.48E-04	2.84E-04	1.33E-04	1.44E-04	2.77E-04	1.31E-04	1.42E-04	2.73E-04
3821	494363.09, 3852377.25	0.00319	0.00346	5.00E-04	5.65E-04	4.71E-04	4.82E-04	4.55E-04	1.32E-04	1.44E-04	2.76E-04	1.29E-04	1.40E-04	2.69E-04	1.27E-04	1.38E-04	2.66E-04
3822	494863.09, 3852377.25	0.00319	0.00346	5.00E-04	5.65E-04	4.71E-04	4.82E-04	4.55E-04	1.32E-04	1.44E-04	2.76E-04	1.29E-04	1.40E-04	2.69E-04	1.27E-04	1.38E-04	2.66E-04
3823	495363.09, 3852377.25	0.00318	0.00346	4.98E-04	5.65E-04	4.69E-04	4.81E-04	4.53E-04	1.32E-04	1.44E-04	2.75E-04	1.29E-04	1.40E-04	2.69E-04	1.27E-04	1.38E-04	2.65E-04
3824	495863.09, 3852377.25	0.00308	0.00334	4.82E-04	5.45E-04	4.55E-04	4.66E-04	4.39E-04	1.28E-04	1.39E-04	2.66E-04	1.25E-04	1.35E-04	2.60E-04	1.23E-04	1.33E-04	2.56E-04

3825	496363.09, 3852377.25	0.00297	0.00321	4.65E-04	5.24E-04	4.38E-04	4.49E-04	4.23E-04	1.23E-04	1.33E-04	2.56E-04	1.20E-04	1.30E-04	2.50E-04	1.19E-04	1.28E-04	2.47E-04
3826	496863.09, 3852377.25	0.00289	0.00312	4.53E-04	5.09E-04	4.27E-04	4.37E-04	4.12E-04	1.20E-04	1.29E-04	2.49E-04	1.17E-04	1.26E-04	2.43E-04	1.15E-04	1.25E-04	2.40E-04
3827	497363.09, 3852377.25	0.00275	0.00295	4.31E-04	4.82E-04	4.06E-04	4.16E-04	3.92E-04	1.14E-04	1.22E-04	2.36E-04	1.11E-04	1.19E-04	2.31E-04	1.10E-04	1.18E-04	2.28E-04
3828	497863.09, 3852377.25	0.00259	0.00276	4.06E-04	4.51E-04	3.82E-04	3.92E-04	3.69E-04	1.07E-04	1.15E-04	2.22E-04	1.05E-04	1.12E-04	2.17E-04	1.03E-04	1.10E-04	2.14E-04
3829	498363.09, 3852377.25	0.00246	0.0026	3.85E-04	4.24E-04	3.63E-04	3.72E-04	3.51E-04	1.02E-04	1.08E-04	2.10E-04	9.96E-05	1.05E-04	2.05E-04	9.83E-05	1.04E-04	2.02E-04
3830	471363.09, 3852877.25	0.00161	0.00163	2.52E-04	2.66E-04	2.38E-04	2.43E-04	2.30E-04	6.68E-05	6.76E-05	1.34E-04	6.52E-05	6.60E-05	1.31E-04	6.43E-05	6.51E-05	1.29E-04
3831	471863.09, 3852877.25	0.00171	0.00173	2.68E-04	2.82E-04	2.52E-04	2.58E-04	2.44E-04	7.09E-05	7.18E-05	1.43E-04	6.92E-05	7.00E-05	1.39E-04	6.83E-05	6.91E-05	1.37E-04
3832	472363.09, 3852877.25	0.0018	0.00182	2.82E-04	2.97E-04	2.66E-04	2.72E-04	2.57E-04	7.47E-05	7.55E-05	1.50E-04	7.29E-05	7.37E-05	1.47E-04	7.19E-05	7.27E-05	1.45E-04
3833	472863.09, 3852877.25	0.00188	0.0019	2.95E-04	3.10E-04	2.77E-04	2.84E-04	2.68E-04	7.80E-05	7.88E-05	1.57E-04	7.61E-05	7.69E-05	1.53E-04	7.51E-05	7.59E-05	1.51E-04
3834	473363.09, 3852877.25	0.00198	0.00201	3.10E-04	3.28E-04	2.92E-04	2.99E-04	2.82E-04	8.21E-05	8.34E-05	1.66E-04	8.02E-05	8.14E-05	1.62E-04	7.91E-05	8.03E-05	1.59E-04
3835	473863.09, 3852877.25	0.0021	0.00213	3.29E-04	3.48E-04	3.10E-04	3.17E-04	2.99E-04	8.71E-05	8.84E-05	1.75E-04	8.50E-05	8.62E-05	1.71E-04	8.39E-05	8.51E-05	1.69E-04
3836	474363.09, 3852877.25	0.00223	0.00226	3.49E-04	3.69E-04	3.29E-04	3.37E-04	3.18E-04	9.25E-05	9.38E-05	1.86E-04	9.03E-05	9.15E-05	1.82E-04	8.91E-05	9.03E-05	1.79E-04
3837	474863.09, 3852877.25	0.00219	0.00222	3.43E-04	3.62E-04	3.23E-04	3.31E-04	3.12E-04	9.09E-05	9.21E-05	1.83E-04	8.87E-05	8.99E-05	1.79E-04	8.75E-05	8.87E-05	1.76E-04
3838	475363.09, 3852877.25	0.00235	0.00239	3.68E-04	3.90E-04	3.47E-04	3.55E-04	3.35E-04	9.75E-05	9.92E-05	1.97E-04	9.51E-05	9.68E-05	1.92E-04	9.39E-05	9.55E-05	1.89E-04
3839	475863.09, 3852877.25	0.00243	0.00249	3.81E-04	4.06E-04	3.59E-04	3.67E-04	3.46E-04	1.01E-04	1.03E-04	2.04E-04	9.84E-05	1.01E-04	1.99E-04	9.71E-05	9.95E-05	1.97E-04
3840	476363.09, 3852877.25	0.00243	0.0025	3.81E-04	4.08E-04	3.59E-04	3.67E-04	3.46E-04	1.01E-04	1.04E-04	2.05E-04	9.84E-05	1.01E-04	2.00E-04	9.71E-05	9.99E-05	1.97E-04
3841	476863.09, 3852877.25	0.00237	0.00246	3.71E-04	4.02E-04	3.50E-04	3.58E-04	3.38E-04	9.83E-05	1.02E-04	2.00E-04	9.59E-05	9.96E-05	1.96E-04	9.47E-05	9.83E-05	1.93E-04
3842	477363.09, 3852877.25	0.00236	0.00243	3.70E-04	3.97E-04	3.48E-04	3.57E-04	3.36E-04	9.79E-05	1.01E-04	1.99E-04	9.55E-05	9.84E-05	1.94E-04	9.43E-05	9.71E-05	1.91E-04
3843	477863.09, 3852877.25	0.00231	0.00237	3.62E-04	3.87E-04	3.41E-04	3.49E-04	3.29E-04	9.58E-05	9.83E-05	1.94E-04	9.35E-05	9.59E-05	1.89E-04	9.23E-05	9.47E-05	1.87E-04
3844	478363.09, 3852877.25	0.00217	0.00221	3.40E-04	3.61E-04	3.20E-04	3.28E-04	3.09E-04	9.00E-05	9.17E-05	1.82E-04	8.79E-05	8.95E-05	1.77E-04	8.67E-05	8.83E-05	1.75E-04
3845	478863.09, 3852877.25	0.00243	0.0025	3.81E-04	4.08E-04	3.59E-04	3.67E-04	3.46E-04	1.01E-04	1.04E-04	2.05E-04	9.84E-05	1.01E-04	2.00E-04	9.71E-05	9.99E-05	1.97E-04
3846	479363.09, 3852877.25	0.00295	0.00305	4.62E-04	4.98E-04	4.35E-04	4.46E-04	4.21E-04	1.22E-04	1.27E-04	2.49E-04	1.19E-04	1.23E-04	2.43E-04	1.18E-04	1.22E-04	2.40E-04
3847	479863.09, 3852877.25	0.00405	0.00423	6.34E-04	6.90E-04	5.98E-04	6.12E-04	5.77E-04	1.68E-04	1.75E-04	3.44E-04	1.64E-04	1.71E-04	3.35E-04	1.62E-04	1.69E-04	3.31E-04
3848	480363.09, 3852877.25	0.0056	0.00581	8.77E-04	9.48E-04	8.26E-04	8.47E-04	7.98E-04	2.32E-04	2.41E-04	4.73E-04	2.27E-04	2.35E-04	4.62E-04	2.24E-04	2.32E-04	4.56E-04
3849	480863.09, 3852877.25	0.00696	0.00714	1.09E-03	1.17E-03	1.03E-03	1.05E-03	9.92E-04	2.89E-04	2.96E-04	5.85E-04	2.82E-04	2.89E-04	5.71E-04	2.78E-04	2.85E-04	5.63E-04
3850	481363.09, 3852877.25	0.00944	0.00964	1.48E-03	1.57E-03	1.39E-03	1.43E-03	1.35E-03	3.92E-04	4.00E-04	7.92E-04	3.82E-04	3.90E-04	7.72E-04	3.77E-04	3.85E-04	7.62E-04
3851	481863.09, 3852877.25	0.01584	0.0161	2.48E-03	2.63E-03	2.34E-03	2.39E-03	2.26E-03	6.57E-04	6.68E-04	1.33E-03	6.41E-04	6.52E-04	1.29E-03	6.33E-04	6.43E-04	1.28E-03
3852	482363.09, 3852877.25	0.10858	0.11058	1.70E-02	1.80E-02	1.60E-02	1.64E-02	1.55E-02	4.50E-03	4.59E-03	9.09E-03	4.40E-03	4.48E-03	8.87E-03	4.34E-03	4.42E-03	8.75E-03
3853	482863.09, 3852877.25	0.0466	0.04747	7.30E-03	7.75E-03	6.88E-03	7.04E-03	6.64E-03	1.93E-03	1.97E-03	3.90E-03	1.89E-03	1.92E-03	3.81E-03	1.86E-03	1.90E-03	3.76E-03
3854	483363.09, 3852877.25	0.01949	0.02021	3.05E-03	3.30E-03	2.88E-03	2.95E-03	2.78E-03	8.09E-04	8.38E-04	1.65E-03	7.89E-04	8.18E-04	1.61E-03	7.79E-04	8.07E-04	1.59E-03
3855	483863.09, 3852877.25	0.01126	0.01185	1.76E-03	1.93E-03	1.66E-03	1.70E-03	1.61E-03	4.67E-04	4.92E-04	9.59E-04	4.56E-04	4.80E-04	9.36E-04	4.50E-04	4.73E-04	9.23E-04
3856	484363.09, 3852877.25	0.01008	0.01073	1.58E-03	1.75E-03	1.49E-03	1.52E-03	1.44E-03	4.18E-04	4.45E-04	8.63E-04	4.08E-04	4.34E-04	8.42E-04	4.03E-04	4.29E-04	8.31E-04
3857	484863.09, 3852877.25	0.00905	0.00972	1.42E-03	1.59E-03	1.34E-03	1.37E-03	1.29E-03	3.75E-04	4.03E-04	7.79E-04	3.66E-04	3.94E-04	7.60E-04	3.62E-04	3.88E-04	7.50E-04
3858	485363.09, 3852877.25	0.00714	0.00769	1.12E-03	1.26E-03	1.05E-03	1.08E-03	1.02E-03	2.96E-04	3.19E-04	6.15E-04	2.89E-04	3.11E-04	6.00E-04	2.85E-04	3.07E-04	5.92E-04
3859	485863.09, 3852877.25	0.00625	0.00678	9.79E-04	1.11E-03	9.22E-04	9.45E-04	8.91E-04	2.59E-04	2.81E-04	5.41E-04	2.53E-04	2.74E-04	5.28E-04	2.50E-04	2.71E-04	5.21E-04
3860	486363.09, 3852877.25	0.00555	0.00603	8.69E-04	9.84E-04	8.19E-04	8.39E-04	7.91E-04	2.30E-04	2.50E-04	4.80E-04	2.25E-04	2.44E-04	4.69E-04	2.22E-04	2.41E-04	4.63E-04
3861	486863.09, 3852877.25	0.00514	0.0056	8.05E-04	9.14E-04	7.59E-04	7.77E-04	7.33E-04	2.13E-04	2.32E-04	4.46E-04	2.08E-04	2.27E-04	4.35E-04	2.05E-04	2.24E-04	4.29E-04
3862	487363.09, 3852877.25	0.00469	0.00512	7.35E-04	8.36E-04	6.92E-04	7.09E-04	6.69E-04	1.95E-04	2.12E-04	4.07E-04	1.90E-04	2.07E-04	3.97E-04	1.87E-04	2.05E-04	3.92E-04
3863	487863.09, 3852877.25	0.00436	0.00477	6.83E-04	7.79E-04	6.43E-04	6.59E-04	6.22E-04	1.81E-04	1.98E-04	3.79E-04	1.77E-04	1.93E-04	3.70E-04	1.74E-04	1.91E-04	3.65E-04
3864	488363.09, 3852877.25	0.00365	0.00398	5.72E-04	6.50E-04	5.39E-04	5.52E-04	5.20E-04	1.51E-04	1.65E-04	3.17E-04	1.48E-04	1.61E-04	3.09E-04	1.46E-04	1.59E-04	3.05E-04
3865	488863.09, 3852877.25	0.00363	0.00397	5.69E-04	6.48E-04	5.36E-04	5.49E-04	5.18E-04	1.51E-04	1.65E-04	3.15E-04	1.47E-04	1.61E-04	3.08E-04	1.45E-04	1.59E-04	3.04E-04
3866	489363.09, 3852877.25	0.00353	0.00387	5.53E-04	6.32E-04	5.21E-04	5.34E-04	5.03E-04	1.46E-04	1.61E-04	3.07E-04	1.43E-04	1.57E-04	3.00E-04	1.41E-04	1.55E-04	2.96E-04
3867	489863.09, 3852877.25	0.00343	0.00377	5.37E-04	6.15E-04	5.06E-04	5.18E-04	4.89E-04	1.42E-04	1.56E-04	2.99E-04	1.39E-04	1.53E-04	2.91E-04	1.37E-04	1.51E-04	2.88E-04
3868	490363.09, 3852877.25	0.00369	0.00408	5.78E-04	6.66E-04	5.45E-04	5.58E-04	5.26E-04	1.53E-04	1.69E-04	3.22E-04	1.49E-04	1.65E-04	3.15E-04	1.47E-04	1.63E-04	3.10E-04
3869	490863.09, 3852877.25	0.0037	0.00411	5.80E-04	6.71E-04	5.46E-04	5.59E-04	5.28E-04	1.54E-04	1.71E-04	3.24E-04	1.50E-04	1.66E-04	3.16E-04	1.48E-04	1.64E-04	3.12E-04
3870	491363.09, 3852877.25	0.0037	0.00412	5.80E-04	6.73E-04	5.46E-04	5.59E-04	5.28E-04	1.54E-04	1.71E-04	3.24E-04	1.50E-04	1.67E-04	3.17E-04	1.48E-04	1.65E-04	3.12E-04
3871	491863.09, 3852877.25	0.00364	0.00404	5.70E-04	6.59E-04	5.37E-04	5.50E-04	5.19E-04	1.51E-04	1.68E-04	3.19E-04	1.47E-04	1.64E-04	3.11E-04	1.45E-04	1.61E-04	3.07E-04
3872	492363.09, 3852877.25	0.00359	0.004	5.62E-04	6.53E-04	5.30E-04	5.43E-04	5.12E-04	1.49E-04	1.66E-04	3.15E-04	1.45E-04	1.62E-04	3.07E-04	1.43E-04	1.60E-04	3.03E-04
3873	492863.09, 3852877.25	0.0036	0.00403	5.64E-04	6.58E-04	5.31E-04	5.44E-04	5.13E-04	1.49E-04	1.67E-04	3.17E-04	1.46E-04	1.63E-04	3.09E-04	1.44E-04	1.61E-04	3.05E-04
3874	493363.09, 3852877.25	0.00358	0.004	5.61E-04	6.53E-04	5.28E-04	5.41E-04	5.10E-04	1.49E-04	1.66E-04	3.14E-04	1.45E-04	1.62E-04	3.07E-04	1.43E-04	1.60E-04	3.03E-04
3875	493863.09, 3852877.25	0.00348	0.00388	5.45E-04	6.33E-04	5.14E-04	5.26E-04	4.96E-04	1.44E-04	1.61E-04	3.05E-04	1.41E-04	1.57E-04	2.98E-04	1.39E-04	1.55E-04	2.94E-04
3876	494363.09, 3852877.25	0.0034	0.00378	5.33E-04	6.17E-04	5.02E-04	5.14E-04	4.85E-04	1.41E-04	1.57E-04	2.98E-04	1.38E-04	1.53E-04	2.91E-04	1.36E-04	1.51E-04	2.87E-04
3877	494863.09, 3852877.25	0.00335	0.00371	5.25E-04	6.06E-04	4.94E-04	5.06E-04	4.78E-04	1.39E-04	1.54E-04	2.93E-04	1.36E-04	1.50E-04	2.86E-04	1.34E-04	1.48E-04	2.82E-04
3878	495363.09, 3852877.25	0.00322	0.00355	5.04E-04	5.79E-04	4.75E-04	4.87E-04	4.59E-04	1.34E-04	1.47E-04	2.81E-04	1.30E-04	1.44E-04	2.74E-04	1.29E-04	1.42E-04	2.70E-04
3879	495863.09, 3852877.25	0.0031	0.0034	4.86E-04	5.55E-04	4.58E-04	4.69E-04	4.42E-04	1.29E-04	1.41E-04	2.70E-04	1.26E-04	1.38E-04	2.63E-04	1.24E-04	1.36E-04	2.60E-04
3880	496363.09, 3852877.25	0.00304	0.00332	4.76E-04	5.42E-04	4.49E-04	4.60E-04	4.33E-04	1.26E-04	1.38E-04	2.64E-04	1.23E-04	1.34E-04	2.57E-04	1.21E-04	1.33E-04	2.54E-04
3881	496863.09, 3852877.25	0.00294	0.00321	4.61E-04	5.24E-04	4.34E-04	4.44E-04	4.19E-04	1.22E-04	1.33E-04	2.55E-04	1.19E-04	1.30E-04	2.49E-04	1.17E-04	1.28E-04	2.46E-04
3882	497363.09, 3852877.25	0.00274	0.00296	4.29E-04	4.83E-04	4.04E-04	4.14E-04	3.91E-04	1.14E-04	1.23E-04	2.36E-04	1.11E-04	1.20E-04	2.31E-04	1.09E-04	1.18E-04	2.28E-04
3883	497863.09, 3852877.25	0.00243	0.00257	3.81E-04	4.19E-04	3.59E-04	3.67E-04	3.46E-04	1.01E-04	1.07E-04	2.07E-04	9.84E-05	1.04E-04	2.02E-04	9.71E-05	1.03E-04	2.00E-04
3884	498363.09, 3852877.25	0.00236	0.00248	3.70E-04	4.05E-04	3.48E-04	3.57E-04	3.36E-04	9.79E-05	1.03E-04	2.01E-04	9.55E-05	1.00E-04	1.96E-04	9.43E-05	9.91E-05	1.93E-04
3885	471363.09, 3853377.25	0.00156	0.00158	2.44E-04	2.58E-04	2.30E-04	2.36E-04	2.22E-04	6.47E-05	6.56E-05	1.30E-04	6.32E-05	6.40E-05	1.27E-04	6.23E-05	6.31E-05	1.25E-04
3886	471863.09, 3853377.25	0.00163	0.00166	2.55E-04	2.71E-04	2.41E-04	2.46E-04	2.32E-04	6.76E-05	6.89E-05	1.36E-04	6.60E-05	6.72E-05	1.33E-04	6.51E-05	6.63E-05	1.31E-04
3887	472363.09, 3853377.25	0.0017	0.00173	2.66E-04	2.82E-04	2.51E-04	2.57E-04	2.42E-04	7.05E-05	7.18E-05	1.42E-04	6.88E-05	7.00E-05	1.39E-04	6.79E-05	6.91E-05	1.37E-04
3888	472863.09, 3853377.25	0.00178	0.0018	2.79E-04	2.94E-04	2.63E-04	2.69E-04	2.54E-04	7.38E-05	7.47E-05	1.49E-04	7.21E-05	7.29E-05	1.45E-04	7.11E-05	7.19E-05	1.43E-04
3889	473363.09, 3853377.25	0.00184	0.00187	2.88E-04	3.05E-04	2.72E-04	2.78E-04	2.62E-04	7.63E-05	7.76E-05	1.54E-04	7.45E-05	7.57E-05	1.50E-04	7.35E-05	7.47E-05	1.48E-04
3890	473863.09, 3853377.25	0.00191	0.00194	2.99E-04	3.17E-04	2.82E-04	2.89E-04	2.72E-04	7.92E-05	8.05E-05	1.60E-04	7.73E-05	7.85E-05	1.56E-04	7.63E-05	7.75E-05	1.54E-04
3891	474363.09, 3853377.25	0.00198	0.002	3.10E-04	3.26E-04	2.92E-04	2.99E-04	2.82E-04	8.21E-05	8.30E-05	1.65E-04	8.02E-05	8.10E-05	1.61E-04	7.91E-05	7.99E-05	1.59E-04
3892	474863.09, 3853377.25	0.00198	0.00201	3.10E-04	3.28E-04	2.92E-04	2.99E-04	2.82E-04	8.21E-05	8.34E-05	1.66E-04	8.02E-05	8.14E-05	1.62E-04	7.91E-05	8.03E-05	1.59E-04
3893	475363.09, 3853377.25	0.00203	0.00206	3.18E-04	3.36E-04	3.00E-04	3.07E-04	2.89E-04	8.42E-05	8.55E-05	1.70E-04	8.22E-05	8.34E-05	1.66E-04	8.11E-05	8.23E-05	1.63E-04
3894	475863.09, 3853377.25	0.00209	0.00211	3.27E-04	3.44E-04	3.08E-04	3.16E-04	2.98E-04	8.67E-05	8.75E-05	1.74E-04	8.46E-05	8.54E-05	1.70E-04	8.35E-05	8.43E-05	1.68E-04
3895	476363.09, 3853377.25	0.00207	0.00209	3.24E-04	3.41E-04	3.06E-04	3.13E-04	2.95E-04	8.59E-05	8.67E-05	1.73E-04	8.38E-05	8.46E-05	1.68E-04	8.27E-05	8.35E-05	1.66E-04
3896	476863.09, 3853377.25	0.002	0.00201	3.13E-04	3.28E-04	2.95E-04	3.02E-04	2.85E-04	8.30E-05	8.34E-05	1.66E-04	8.10E-05	8.14E-05	1.62E-04	7.99E-05	8.03E-05	1.60E-04
3897	477363.09, 3853377.25	0.00204	0.00207	3.20E-04	3.38E-04	3.01E-04	3.08E-04	2.91E-04	8.46E-05	8.59E-05	1.71E-04	8.26E-05	8.38E-05	1.66E-04	8.15E-05	8.27E-05	1.64E-04
3898	477863.09, 3853377.25	0.0021	0.00213	3.29E-04	3.48E-04	3.10E-04	3.17E-04	2.99E-04	8.71E-05	8.84E-05	1.75E-04	8.50E-05	8.62E-05	1.71E-04	8.39E-05	8.51E-05	1.69E-04
3899	478363.09, 3853377.25	0.00203	0.00206	3.18E-04	3.36E-04	3.00E-04	3.07E-04	2.89E-04	8.42E-05	8.55E-05	1.70E-04	8.22E-05	8.34E-05	1.66E-04	8.11E-05	8.23E-05	1.63E-04
3900	478863.09, 3853377.25	0.00196	0.00197	3.07E-04	3.22E-04	2.89E-04	2.96E-04	2.79E-04	8.13E-05	8.17E-05	1.63E-04	7.93E-05	7.98E-05	1.59E-04	7.83E-05	7.87E-05	1.57E-04
3901	479363.09, 3853377.25	0.00242	0.00247	3.79E-04	4.03E-04	3.57E-04	3.66E-04	3.45E-04	1.00E-04	1.02E-04	2.03E-04	9.80E-05	1.00E-04	1.98E-04	9.67E-05	9.87E-05	1.95E-04
3902	479863.09, 3853377.25	0.00302	0.00312	4.73E-04	5.09E-04	4.46E-04	4.57E-04	4.31E-04	1.25E-04	1.29E-04	2.55E-04	1.22E-04	1.26E-04	2.49E-04	1.21E-04	1.25E-04	2.45E-04
3903	480363.09, 3853377.25	0.00416	0.00432	6.52E-04	7.05E-04	6.14E-04	6.29E-04	5.93E-04	1.73E-04	1.79E-04	3.52E-04	1.68E-04	1.75E-04	3.43E-04	1.66E-04	1.73E-04	3.39E-04
3904	480863.09, 3853377.25	0.00441	0.00467	6.91E-04	7.62E-04	6.51E-04	6.67E-04	6.29E-04	1.83E-04	1.94E-04	3.77E-04	1.79E-04	1.89E-04	3.68E-04	1.76E-04	1.87E-04	3.63E-04
3905	481363.09, 3853377.25	0.00642	0.00664	1.01E-03	1.08E-03	9.48E-04	9.70E-04	9.15E-04	2.66E-04	2.75E-04	5.42E-04	2.60E-04	2.69E-04	5.29E-04	2.56E-04	2.65E-04	5.22E-04
3906	481863.09, 3853377.25	0.01009	0.01021	1.58E-03	1.67E-03	1.49E-03	1.53E-03	1.44E-03	4.19E-04	4.24E-04	8.42E-04	4.08E-04	4.13E-04	8.22E-04	4.03E-04	4.08E-04	8.11E-04
3907	482363.09, 3853377.25	0.01984	0.0198	3.11E-03	3.23E-03	2.93E-03	3.00E-03	2.83E-03	8.23E-04	8.21E-04	1.64E-03	8.03E-04	8.02E-04	1.60E-03	7.93E-04	7.91E-04	1.58E-03
3908	482863.09, 3853377.25	0.12947	0.14211	2.03E-02	2.32E-02	1.91E-02	1.96E-02	1.85E-02	5.37E-03	5.90E-03	1.13E-02	5.24E-03	5.75E-03	1.10E-02	5.17E-03	5.68E-03	1.08E-02
3909	483363.09, 3853377.25	0.02529	0.02744	3.96E-03	4.48E-03	3.73E-03	3.82E-03	3.61E-03	1.05E-03	1.14E-03	2.19E-03	1.02E-03	1.11E-03	2.13E-03	1.01E-03	1.10E-03	2.11E-03
3910	483863.09, 3853377.25	0.01484	0.01655	2.32E-03	2.70E-03	2.19E-03	2.24E-03	2.12E-03	6.16E-04	6.87E-04	1.30E-03	6.01E-04	6.70E-04	1.27E-03	5.93E-04	6.61E-04	1.25E-03
3911	484363.09, 3853377.25	0.01136	0.01298	1.78E-03	2.12E-03	1.68E-03	1.72E-03	1.62E-03	4.71E-04	5.39E-04	1.01E-03	4.60E-04	5.25E-04	9.85E-04	4.54E-04	5.19E-04	9.72E-04
3912	484863.09, 3853377.25	0.00831	0.00973	1.30E-03	1.59E-03	1.23E-03	1.26E-03	1.18E-03	3.45E-04	4.04E-04	7.48E-04	3.36E-04	3.94E-04	7.30E-04	3.32E-04	3.89E-04	7.21E-04
3913	485363.09, 3853377.25	0.00639	0.00745	1.00E-03	1.22E-03	9.43E-04	9.66E-04	9.11E-04	2.65E-04	3.09E-04	5.74E-04	2.59E-04	3.02E-04	5.60E-04	2.55E-04	2.98E-04	5.53E-04
3914	485863.09, 3853377.25	0.00537	0.00621	8.41E-04	1.01E-03	7.93E-04	8.12E-04	7.66E-04	2.23E-04	2.58E-04	4.80E-04	2.17E-04	2.51E-04	4.69E-04	2.15E-04	2.48E-04	4.63E-04
3915	486363.09, 3853377.25	0.00512	0.00595	8.02E-04	9.71E-04	7.56E-04	7.74E-04	7.30E-04	2.12E-04	2.47E-04	4.59E-04	2.07E-04	2.41E-04	4.48E-04	2.05E-04	2.38E-04	4.42E-04
3916	486863.09, 3853377.25	0.00484	0.00564	7.58E-04	9.21E-04	7.14E-04	7.32E-04	6.90E-04	2.01E-04	2.34E-04	4.35E-04	1.96E-04	2.28E-04	4.24E-04	1.93E-04	2.25E-04	4.19E-04
3917	487363.09, 3853377.25	0.00471	0.00552	7.38E-04	9.01E-04	6.95E-04	7.12E-04	6.72E-04	1.95E-04	2.29E-04	4.24E-04	1.91E-04	2.23E-04	4.14E-04	1.88E-04	2.21E-04	4.09E-04
3918	487863.09, 3853377.25	0.00456	0.00535	7.14E-04	8.73E-04	6.73E-04	6.89E-04	6.50E-04	1.89E-04	2.22E-04	4.11E-04	1.85E-04	2.17E-04	4.01E-04	1.82E-04	2.14E-04	3.96E-04
3919	488363.09, 3853377.25	0.00447	0.00525	7.00E-04	8.57E-04	6.60E-04	6.76E-04	6.37E-04	1.85E-04	2.18E-04	4.03E-04	1.81E-04	2.13E-04	3.94E-04	1.79E-04	2.10E-04	3.88E-04
3920	488863.09, 3853377.25	0.0043	0.00504	6.74E-04	8.23E-04	6.35E-04	6.50E-04	6.13E-04	1.78E-04	2.09E-04	3.87E-04	1.74E-04	2.04E-04	3.78E-04	1.72E-04	2.01E-04	3.73E-04
3921	489363.09, 3853377.25	0.00415	0.00486	6.50E-04	7.93E-04	6.12E-04	6.27E-04	5.92E-04	1.72E-04	2.02E-04	3.74E-04	1.68E-04	1.97E-04	3.65E-04	1.66E-04	1.94E-04	3.60E-04
3922	489863.09, 3853377.25	0.00399	0.00464	6.25E-04	7.57E-04	5.89E-04	6.03E-04	5.69E-04	1.66E-04	1.93E-04	3.58E-04	1.62E-04	1.88E-04	3.49E-04	1.59E-04	1.85E-04	3.45E-04
3923	490363.09, 3853377.25	0.00398	0.00463	6.23E-04	7.56E-04	5.87E-04	6.02E-04	5.67E-04	1.65E-04	1.92E-04	3.57E-04	1.61E-04	1.87E-04	3.49E-04	1.59E-04	1.85E-04	3.44E-04
3924	490863.09, 3853377.25	0.00393	0.00457	6.16E-04	7.46E-04	5.80E-04	5.94E-04	5.60E-04	1.63E-04	1.90E-04	3.53E-04	1.59E-04	1.85E-04	3.44E-04	1.57E-04	1.83E-04	3.40E-04
3925	491363.09, 3853377.25	0.00388	0.0045	6.08E-04	7.35E-04	5.73E-04	5.87E-04	5.53E-04	1.61E-04	1.87E-04	3.48E-04	1.57E-04	1.82E-04	3.39E-04	1.55E-04	1.80E-04	3.35E-04
3926	491863.09, 3853377.25	0.00382	0.00441	5.98E-04	7.20E-04	5.64E-04	5.77E-04	5.45E-04	1.58E-04	1.83E-04	3.41E-04	1.55E-04	1.79E-04	3.33E-04	1.53E-04	1.76E-04	3.29E-04
3927	492363.09, 3853377.25	0.00381	0.00439	5.97E-04	7.17E-04	5.62E-04	5.76E-04	5.43E-04	1.58E-04	1.82E-04	3.40E-04	1.54E-04	1.78E-04	3.32E-04	1.52E-04	1.75E-04	3.28E-04
3928	492863.09, 3853377.25	0.0038	0.00436	5.95E-04	7.12E-04	5.61E-04	5.74E-04	5.42E-04	1.58E-04	1.81E-04	3.39E-04	1.54E-04	1.77E-04	3.30E-04	1.52E-04	1.74E-04	3.26E-04
3929	493363.09, 3853377.25	0.00374	0.00427	5.86E-04	6.97E-04	5.52E-04	5.65E-04	5.33E-04	1.55E-04	1.77E-04	3.32E-04	1.51E-04	1.73E-04	3.24E-04	1.49E-04	1.71E-04	3.20E-04
3930	493863.09, 3853377.25	0.00367	0.00416	5.75E-04	6.79E-04	5.42E-04	5.55E-04	5.23E-04	1.52E-04	1.73E-04	3.25E-04	1.49E-04	1.68E-04	3.17E-04	1.47E-04	1.66E-04	3.13E-04
3931	494363.09, 3853377.25	0.00355	0.004	5.56E-04	6.53E-04	5.24E-04	5.37E-04	5.06E-04	1.47E-04	1.66E-04	3.13E-04	1.44E-04	1.62E-04	3.06E-04	1.42E-04	1.60E-04	3.02E-04
3932	494863.09, 3853377.25	0.00342	0.00382	5.36E-04	6.24E-04	5.05E-04	5.17E-04	4.88E-04	1.42E-04	1.58E-04	3.00E-04	1.38E-04	1.55E-04	2.93E-04	1.37E-04	1.53E-04	2.89E-04
3933	495363.09, 3853377.25	0.00334	0.00371	5.23E-04	6.06E-04	4.93E-04	5.05E-04	4.76E-04	1.39E-04	1.54E-04	2.92E-04	1.35E-04	1.50E-04	2.85E-04	1.33E-04	1.48E-04	2.82E-04
3934	495863.09, 3853377.25	0.00323	0.00356	5.06E-04	5.81E-04	4.77E-04	4.88E-04	4.61E-04	1.34E-04	1.48E-04	2.82E-04	1.31E-04	1.44E-04	2.75E-04	1.29E-04	1.42E-04	2.71E-04
3935	496363.09, 3853377.25	0.00309	0.00338	4.84E-04	5.52E-04	4.56E-04	4.67E-04	4.41E-04	1.28E-04	1.40E-04	2.68E-04	1.25E-04	1.37E-04	2.62E-04	1.23E-04	1.35E-04	2.58E-04
3936	496863.09, 3853377.25	0.00289	0.00315	4.53E-04	5.14E-04	4.27E-04	4.37E-04	4.12E-04	1.20E-04	1.31E-04	2.51E-04	1.17E-04	1.28E-04	2.45E-04	1.15E-04	1.26E-04	2.41E-04
3937	497363.09, 3853377.25	0.00266	0.00286	4.17E-04	4.67E-04	3.93E-04	4.02E-04	3.79E-04	1.10E-04	1.19E-04	2.29E-04	1.08E-04	1.16E-04	2.23E-04	1.06E-04	1.14E-04	2.21E-04
3938	497863.09, 3853377.25	0.00226	0.00238	3.54E-04	3.88E-04	3.34E-04	3.42E-04	3.22E-04	9.38E-05	9.87E-05	1.93E-04	9.15E-05	9.64E-05	1.88E-04	9.03E-05	9.51E-05	1.85E-04
3939	498363.09, 3853377.25	0.00206	0.00215	3.23E-04	3.51E-04	3.04E-04	3.11E-04	2.94E-04	8.55E-05	8.92E-05	1.75E-04	8.34E-05	8.70E-05	1.70E-04	8.23E-05	8.59E-05	1.68E-04
3940	471363.09, 3853877.25	0.00151	0.00151	2.37E-04	2.46E-04	2.23E-04	2.28E-04	2.15E-04	6.26E-05	6.26E-05	1.25E-04	6.11E-05	6.11E-05	1.22E-04	6.03E-05	6.03E-05	1.21E-04

3941	471863.09, 3853877.25	0.00158	0.00159	2.48E-04	2.60E-04	2.33E-04	2.39E-04	2.25E-04	6.56E-05	6.60E-05	1.32E-04	6.40E-05	6.44E-05	1.28E-04	6.31E-05	6.35E-05	1.27E-04
3942	472363.09, 3853877.25	0.00163	0.00164	2.55E-04	2.68E-04	2.41E-04	2.46E-04	2.32E-04	6.76E-05	6.80E-05	1.36E-04	6.60E-05	6.64E-05	1.32E-04	6.51E-05	6.55E-05	1.31E-04
3943	472863.09, 3853877.25	0.00169	0.00171	2.65E-04	2.79E-04	2.49E-04	2.55E-04	2.41E-04	7.01E-05	7.09E-05	1.41E-04	6.84E-05	6.92E-05	1.38E-04	6.75E-05	6.83E-05	1.36E-04
3944	473363.09, 3853877.25	0.00173	0.00175	2.71E-04	2.86E-04	2.55E-04	2.62E-04	2.47E-04	7.18E-05	7.26E-05	1.44E-04	7.00E-05	7.08E-05	1.41E-04	6.91E-05	6.99E-05	1.39E-04
3945	473863.09, 3853877.25	0.00177	0.0018	2.77E-04	2.94E-04	2.61E-04	2.68E-04	2.52E-04	7.34E-05	7.47E-05	1.48E-04	7.17E-05	7.29E-05	1.45E-04	7.07E-05	7.19E-05	1.43E-04
3946	474363.09, 3853877.25	0.00183	0.00186	2.87E-04	3.04E-04	2.70E-04	2.77E-04	2.61E-04	7.59E-05	7.72E-05	1.53E-04	7.41E-05	7.53E-05	1.49E-04	7.31E-05	7.43E-05	1.47E-04
3947	474863.09, 3853877.25	0.00188	0.0019	2.95E-04	3.10E-04	2.77E-04	2.84E-04	2.68E-04	7.80E-05	7.88E-05	1.57E-04	7.61E-05	7.69E-05	1.53E-04	7.51E-05	7.59E-05	1.51E-04
3948	475363.09, 3853877.25	0.00187	0.00189	2.93E-04	3.09E-04	2.76E-04	2.83E-04	2.67E-04	7.76E-05	7.84E-05	1.56E-04	7.57E-05	7.65E-05	1.52E-04	7.47E-05	7.55E-05	1.50E-04
3949	475863.09, 3853877.25	0.0018	0.00182	2.82E-04	2.97E-04	2.66E-04	2.72E-04	2.57E-04	7.47E-05	7.55E-05	1.50E-04	7.29E-05	7.37E-05	1.47E-04	7.19E-05	7.27E-05	1.45E-04
3950	476363.09, 3853877.25	0.00176	0.00175	2.76E-04	2.86E-04	2.60E-04	2.66E-04	2.51E-04	7.30E-05	7.26E-05	1.46E-04	7.13E-05	7.08E-05	1.42E-04	7.03E-05	6.99E-05	1.40E-04
3951	476863.09, 3853877.25	0.00169	0.00166	2.65E-04	2.71E-04	2.49E-04	2.55E-04	2.41E-04	7.01E-05	6.89E-05	1.39E-04	6.84E-05	6.72E-05	1.36E-04	6.75E-05	6.63E-05	1.34E-04
3952	477363.09, 3853877.25	0.00179	0.00177	2.80E-04	2.89E-04	2.64E-04	2.71E-04	2.55E-04	7.43E-05	7.34E-05	1.48E-04	7.25E-05	7.17E-05	1.44E-04	7.15E-05	7.07E-05	1.42E-04
3953	477863.09, 3853877.25	0.00192	0.00189	3.01E-04	3.09E-04	2.83E-04	2.90E-04	2.74E-04	7.97E-05	7.84E-05	1.58E-04	7.77E-05	7.65E-05	1.54E-04	7.67E-05	7.55E-05	1.52E-04
3954	478363.09, 3853877.25	0.00198	0.00196	3.10E-04	3.20E-04	2.92E-04	2.99E-04	2.82E-04	8.21E-05	8.13E-05	1.63E-04	8.02E-05	7.93E-05	1.60E-04	7.91E-05	7.83E-05	1.57E-04
3955	478863.09, 3853877.25	0.00183	0.0018	2.87E-04	2.94E-04	2.70E-04	2.77E-04	2.61E-04	7.59E-05	7.47E-05	1.51E-04	7.41E-05	7.29E-05	1.47E-04	7.31E-05	7.19E-05	1.45E-04
3956	479363.09, 3853877.25	0.00208	0.00205	3.26E-04	3.35E-04	3.07E-04	3.14E-04	2.97E-04	8.63E-05	8.51E-05	1.71E-04	8.42E-05	8.30E-05	1.67E-04	8.31E-05	8.19E-05	1.65E-04
3957	479863.09, 3853877.25	0.00267	0.0027	4.18E-04	4.41E-04	3.94E-04	4.04E-04	3.81E-04	1.11E-04	1.12E-04	2.23E-04	1.08E-04	1.09E-04	2.17E-04	1.07E-04	1.08E-04	2.15E-04
3958	480363.09, 3853877.25	0.00329	0.00339	5.15E-04	5.53E-04	4.86E-04	4.97E-04	4.69E-04	1.36E-04	1.41E-04	2.77E-04	1.33E-04	1.37E-04	2.70E-04	1.31E-04	1.35E-04	2.67E-04
3959	480863.09, 3853877.25	0.00446	0.00457	6.99E-04	7.46E-04	6.58E-04	6.74E-04	6.36E-04	1.85E-04	1.90E-04	3.75E-04	1.81E-04	1.85E-04	3.66E-04	1.78E-04	1.83E-04	3.61E-04
3960	481363.09, 3853877.25	0.00577	0.00584	9.04E-04	9.53E-04	8.52E-04	8.72E-04	8.23E-04	2.39E-04	2.42E-04	4.82E-04	2.34E-04	2.36E-04	4.70E-04	2.30E-04	2.33E-04	4.64E-04
3961	481863.09, 3853877.25	0.00859	0.00806	1.35E-03	1.32E-03	1.27E-03	1.30E-03	1.22E-03	3.56E-04	3.34E-04	6.91E-04	3.48E-04	3.26E-04	6.74E-04	3.43E-04	3.22E-04	6.65E-04
3962	482363.09, 3853877.25	0.01527	0.01301	2.39E-03	2.12E-03	2.25E-03	2.31E-03	2.18E-03	6.34E-04	5.40E-04	1.17E-03	6.18E-04	5.27E-04	1.14E-03	6.10E-04	5.20E-04	1.13E-03
3963	482863.09, 3853877.25	0.27233	0.07161	4.27E-02	1.17E-02	4.02E-02	4.12E-02	3.88E-02	1.13E-02	2.97E-03	1.43E-02	1.10E-02	2.90E-03	1.39E-02	1.09E-02	2.86E-03	1.37E-02
3964	483363.09, 3853877.25	0.0293	0.04599	4.59E-03	7.51E-03	4.32E-03	4.43E-03	4.18E-03	1.22E-03	1.91E-03	3.12E-03	1.19E-03	1.86E-03	3.05E-03	1.17E-03	1.84E-03	3.01E-03
3965	483863.09, 3853877.25	0.0169	0.02518	2.65E-03	4.11E-03	2.49E-03	2.55E-03	2.41E-03	7.01E-04	1.04E-03	1.75E-03	6.84E-04	1.02E-03	1.70E-03	6.75E-04	1.01E-03	1.68E-03
3966	484363.09, 3853877.25	0.01117	0.01685	1.75E-03	2.75E-03	1.65E-03	1.69E-03	1.59E-03	4.63E-04	6.99E-04	1.16E-03	4.52E-04	6.82E-04	1.13E-03	4.46E-04	6.73E-04	1.12E-03
3967	484863.09, 3853877.25	0.00812	0.01186	1.27E-03	1.94E-03	1.20E-03	1.23E-03	1.16E-03	3.37E-04	4.92E-04	8.29E-04	3.29E-04	4.80E-04	8.09E-04	3.24E-04	4.74E-04	7.98E-04
3968	485363.09, 3853877.25	0.00601	0.00835	9.41E-04	1.36E-03	8.87E-04	9.08E-04	8.57E-04	2.49E-04	3.46E-04	5.96E-04	2.43E-04	3.38E-04	5.81E-04	2.40E-04	3.34E-04	5.74E-04
3969	485863.09, 3853877.25	0.0056	0.00781	8.77E-04	1.27E-03	8.26E-04	8.47E-04	7.98E-04	2.32E-04	3.24E-04	5.56E-04	2.27E-04	3.16E-04	5.43E-04	2.24E-04	3.12E-04	5.36E-04
3970	486363.09, 3853877.25	0.00522	0.00711	8.18E-04	1.16E-03	7.70E-04	7.89E-04	7.44E-04	2.17E-04	2.95E-04	5.12E-04	2.11E-04	2.88E-04	4.99E-04	2.09E-04	2.84E-04	4.93E-04
3971	486863.09, 3853877.25	0.00493	0.00654	7.72E-04	1.07E-03	7.28E-04	7.45E-04	7.03E-04	2.05E-04	2.71E-04	4.76E-04	2.00E-04	2.65E-04	4.64E-04	1.97E-04	2.61E-04	4.58E-04
3972	487363.09, 3853877.25	0.00485	0.00634	7.60E-04	1.03E-03	7.16E-04	7.33E-04	6.92E-04	2.01E-04	2.63E-04	4.64E-04	1.96E-04	2.57E-04	4.53E-04	1.94E-04	2.53E-04	4.47E-04
3973	487863.09, 3853877.25	0.00489	0.00639	7.66E-04	1.04E-03	7.22E-04	7.39E-04	6.97E-04	2.03E-04	2.65E-04	4.68E-04	1.98E-04	2.59E-04	4.57E-04	1.95E-04	2.55E-04	4.51E-04
3974	488363.09, 3853877.25	0.00479	0.00618	7.50E-04	1.01E-03	7.07E-04	7.24E-04	6.83E-04	1.99E-04	2.56E-04	4.55E-04	1.94E-04	2.50E-04	4.44E-04	1.91E-04	2.47E-04	4.38E-04
3975	488863.09, 3853877.25	0.00476	0.0061	7.46E-04	9.96E-04	7.03E-04	7.20E-04	6.79E-04	1.97E-04	2.53E-04	4.51E-04	1.93E-04	2.47E-04	4.40E-04	1.90E-04	2.44E-04	4.34E-04
3976	489363.09, 3853877.25	0.00451	0.00567	7.06E-04	9.26E-04	6.66E-04	6.82E-04	6.43E-04	1.87E-04	2.35E-04	4.22E-04	1.83E-04	2.30E-04	4.12E-04	1.80E-04	2.26E-04	4.07E-04
3977	489863.09, 3853877.25	0.00443	0.00549	6.94E-04	8.96E-04	6.54E-04	6.70E-04	6.32E-04	1.84E-04	2.28E-04	4.12E-04	1.79E-04	2.22E-04	4.02E-04	1.77E-04	2.19E-04	3.96E-04
3978	490363.09, 3853877.25	0.00428	0.00523	6.70E-04	8.54E-04	6.32E-04	6.47E-04	6.10E-04	1.78E-04	2.17E-04	3.95E-04	1.73E-04	2.12E-04	3.85E-04	1.71E-04	2.09E-04	3.80E-04
3979	490863.09, 3853877.25	0.00419	0.00507	6.56E-04	8.28E-04	6.18E-04	6.33E-04	5.97E-04	1.74E-04	2.10E-04	3.84E-04	1.70E-04	2.05E-04	3.75E-04	1.67E-04	2.03E-04	3.70E-04
3980	491363.09, 3853877.25	0.00413	0.00494	6.47E-04	8.06E-04	6.10E-04	6.24E-04	5.89E-04	1.71E-04	2.05E-04	3.76E-04	1.67E-04	2.00E-04	3.67E-04	1.65E-04	1.97E-04	3.62E-04
3981	491863.09, 3853877.25	0.00407	0.00482	6.38E-04	7.87E-04	6.01E-04	6.15E-04	5.80E-04	1.69E-04	2.00E-04	3.69E-04	1.65E-04	1.95E-04	3.60E-04	1.63E-04	1.93E-04	3.55E-04
3982	492363.09, 3853877.25	0.00407	0.00478	6.38E-04	7.80E-04	6.01E-04	6.15E-04	5.80E-04	1.69E-04	1.98E-04	3.67E-04	1.65E-04	1.94E-04	3.58E-04	1.63E-04	1.91E-04	3.54E-04
3983	492863.09, 3853877.25	0.00403	0.00468	6.31E-04	7.64E-04	5.95E-04	6.09E-04	5.75E-04	1.67E-04	1.94E-04	3.61E-04	1.63E-04	1.89E-04	3.53E-04	1.61E-04	1.87E-04	3.48E-04
3984	493363.09, 3853877.25	0.00392	0.00452	6.14E-04	7.38E-04	5.79E-04	5.93E-04	5.59E-04	1.63E-04	1.88E-04	3.50E-04	1.59E-04	1.83E-04	3.42E-04	1.57E-04	1.81E-04	3.37E-04
3985	493863.09, 3853877.25	0.0038	0.00434	5.95E-04	7.08E-04	5.61E-04	5.74E-04	5.42E-04	1.58E-04	1.80E-04	3.38E-04	1.54E-04	1.76E-04	3.30E-04	1.52E-04	1.73E-04	3.25E-04
3986	494363.09, 3853877.25	0.00371	0.0042	5.81E-04	6.86E-04	5.48E-04	5.61E-04	5.29E-04	1.54E-04	1.74E-04	3.28E-04	1.50E-04	1.70E-04	3.20E-04	1.48E-04	1.68E-04	3.16E-04
3987	494863.09, 3853877.25	0.00358	0.00402	5.61E-04	6.56E-04	5.28E-04	5.41E-04	5.10E-04	1.49E-04	1.67E-04	3.15E-04	1.45E-04	1.63E-04	3.08E-04	1.43E-04	1.61E-04	3.04E-04
3988	495363.09, 3853877.25	0.00335	0.00372	5.25E-04	6.07E-04	4.94E-04	5.06E-04	4.78E-04	1.39E-04	1.54E-04	2.93E-04	1.36E-04	1.51E-04	2.86E-04	1.34E-04	1.49E-04	2.82E-04
3989	495863.09, 3853877.25	0.00316	0.00347	4.95E-04	5.66E-04	4.66E-04	4.78E-04	4.51E-04	1.31E-04	1.44E-04	2.75E-04	1.28E-04	1.40E-04	2.68E-04	1.26E-04	1.39E-04	2.65E-04
3990	496363.09, 3853877.25	0.00303	0.0033	4.75E-04	5.39E-04	4.47E-04	4.58E-04	4.32E-04	1.26E-04	1.37E-04	2.63E-04	1.23E-04	1.34E-04	2.56E-04	1.21E-04	1.32E-04	2.53E-04
3991	496863.09, 3853877.25	0.00281	0.00303	4.40E-04	4.95E-04	4.15E-04	4.25E-04	4.01E-04	1.17E-04	1.26E-04	2.42E-04	1.14E-04	1.23E-04	2.36E-04	1.12E-04	1.21E-04	2.33E-04
3992	497363.09, 3853877.25	0.00263	0.0028	4.12E-04	4.57E-04	3.88E-04	3.98E-04	3.75E-04	1.09E-04	1.16E-04	2.25E-04	1.06E-04	1.13E-04	2.20E-04	1.05E-04	1.12E-04	2.17E-04
3993	497863.09, 3853877.25	0.00239	0.00251	3.74E-04	4.10E-04	3.53E-04	3.61E-04	3.41E-04	9.92E-05	1.04E-04	2.03E-04	9.68E-05	1.02E-04	1.98E-04	9.55E-05	1.00E-04	1.96E-04
3994	498363.09, 3853877.25	0.00223	0.00234	3.49E-04	3.82E-04	3.29E-04	3.37E-04	3.18E-04	9.25E-05	9.71E-05	1.90E-04	9.03E-05	9.47E-05	1.85E-04	8.91E-05	9.35E-05	1.83E-04
3995	471363.09, 3854377.25	0.00146	0.00146	2.29E-04	2.38E-04	2.15E-04	2.21E-04	2.08E-04	6.06E-05	6.06E-05	1.21E-04	5.91E-05	5.91E-05	1.18E-04	5.83E-05	5.83E-05	1.17E-04
3996	471863.09, 3854377.25	0.00153	0.00153	2.40E-04	2.50E-04	2.26E-04	2.31E-04	2.18E-04	6.35E-05	6.35E-05	1.27E-04	6.19E-05	6.19E-05	1.24E-04	6.11E-05	6.11E-05	1.22E-04
3997	472363.09, 3854377.25	0.00158	0.00158	2.48E-04	2.58E-04	2.33E-04	2.39E-04	2.25E-04	6.56E-05	6.56E-05	1.31E-04	6.40E-05	6.40E-05	1.28E-04	6.31E-05	6.31E-05	1.26E-04
3998	472863.09, 3854377.25	0.00161	0.00162	2.52E-04	2.64E-04	2.38E-04	2.43E-04	2.30E-04	6.68E-05	6.72E-05	1.34E-04	6.52E-05	6.56E-05	1.31E-04	6.43E-05	6.47E-05	1.29E-04
3999	473363.09, 3854377.25	0.00167	0.00167	2.62E-04	2.73E-04	2.46E-04	2.52E-04	2.38E-04	6.93E-05	6.93E-05	1.39E-04	6.76E-05	6.76E-05	1.35E-04	6.67E-05	6.67E-05	1.33E-04
4000	473863.09, 3854377.25	0.00173	0.00174	2.71E-04	2.84E-04	2.55E-04	2.62E-04	2.47E-04	7.18E-05	7.22E-05	1.44E-04	7.00E-05	7.04E-05	1.40E-04	6.91E-05	6.95E-05	1.39E-04
4001	474363.09, 3854377.25	0.00178	0.00179	2.79E-04	2.92E-04	2.63E-04	2.69E-04	2.54E-04	7.38E-05	7.43E-05	1.48E-04	7.21E-05	7.25E-05	1.45E-04	7.11E-05	7.15E-05	1.43E-04
4002	474863.09, 3854377.25	0.00175	0.00176	2.74E-04	2.87E-04	2.58E-04	2.65E-04	2.50E-04	7.26E-05	7.30E-05	1.46E-04	7.08E-05	7.13E-05	1.42E-04	6.99E-05	7.03E-05	1.40E-04
4003	475363.09, 3854377.25	0.00167	0.00168	2.62E-04	2.74E-04	2.46E-04	2.52E-04	2.38E-04	6.93E-05	6.97E-05	1.39E-04	6.76E-05	6.80E-05	1.36E-04	6.67E-05	6.71E-05	1.34E-04
4004	475863.09, 3854377.25	0.00151	0.0015	2.37E-04	2.45E-04	2.23E-04	2.28E-04	2.15E-04	6.26E-05	6.22E-05	1.25E-04	6.11E-05	6.07E-05	1.22E-04	6.03E-05	5.99E-05	1.20E-04
4005	476363.09, 3854377.25	0.00152	0.0015	2.38E-04	2.45E-04	2.24E-04	2.30E-04	2.17E-04	6.31E-05	6.22E-05	1.25E-04	6.15E-05	6.07E-05	1.22E-04	6.07E-05	5.99E-05	1.21E-04
4006	476863.09, 3854377.25	0.00156	0.00153	2.44E-04	2.50E-04	2.30E-04	2.36E-04	2.22E-04	6.47E-05	6.35E-05	1.28E-04	6.32E-05	6.19E-05	1.25E-04	6.23E-05	6.11E-05	1.23E-04
4007	477363.09, 3854377.25	0.00161	0.00158	2.52E-04	2.58E-04	2.38E-04	2.43E-04	2.30E-04	6.68E-05	6.56E-05	1.32E-04	6.52E-05	6.40E-05	1.29E-04	6.43E-05	6.31E-05	1.27E-04
4008	477863.09, 3854377.25	0.00168	0.00164	2.63E-04	2.68E-04	2.48E-04	2.54E-04	2.40E-04	6.97E-05	6.80E-05	1.38E-04	6.80E-05	6.64E-05	1.34E-04	6.71E-05	6.55E-05	1.33E-04
4009	478363.09, 3854377.25	0.00181	0.00176	2.84E-04	2.87E-04	2.67E-04	2.74E-04	2.58E-04	7.51E-05	7.30E-05	1.48E-04	7.33E-05	7.13E-05	1.45E-04	7.23E-05	7.03E-05	1.43E-04
4010	478863.09, 3854377.25	0.0019	0.00184	2.98E-04	3.00E-04	2.80E-04	2.87E-04	2.71E-04	7.88E-05	7.63E-05	1.55E-04	7.69E-05	7.45E-05	1.51E-04	7.59E-05	7.35E-05	1.49E-04
4011	479363.09, 3854377.25	0.00219	0.00215	3.43E-04	3.51E-04	3.23E-04	3.31E-04	3.12E-04	9.09E-05	8.92E-05	1.80E-04	8.87E-05	8.70E-05	1.76E-04	8.75E-05	8.59E-05	1.73E-04
4012	479863.09, 3854377.25	0.00243	0.00242	3.81E-04	3.95E-04	3.59E-04	3.67E-04	3.46E-04	1.01E-04	1.00E-04	2.01E-04	9.84E-05	9.80E-05	1.96E-04	9.71E-05	9.67E-05	1.94E-04
4013	480363.09, 3854377.25	0.00289	0.0029	4.53E-04	4.73E-04	4.27E-04	4.37E-04	4.12E-04	1.20E-04	1.20E-04	2.40E-04	1.17E-04	1.17E-04	2.34E-04	1.15E-04	1.16E-04	2.31E-04
4014	480863.09, 3854377.25	0.00373	0.00373	5.84E-04	6.09E-04	5.51E-04	5.64E-04	5.32E-04	1.55E-04	1.55E-04	3.09E-04	1.51E-04	1.51E-04	3.02E-04	1.49E-04	1.49E-04	2.98E-04
4015	481363.09, 3854377.25	0.00498	0.00481	7.80E-04	7.85E-04	7.35E-04	7.53E-04	7.10E-04	2.07E-04	2.00E-04	4.06E-04	2.02E-04	1.95E-04	3.96E-04	1.99E-04	1.92E-04	3.91E-04
4016	481863.09, 3854377.25	0.00782	0.00643	1.23E-03	1.05E-03	1.15E-03	1.18E-03	1.12E-03	3.24E-04	2.67E-04	5.91E-04	3.17E-04	2.60E-04	5.77E-04	3.12E-04	2.57E-04	5.69E-04
4017	482363.09, 3854377.25	0.01325	0.00861	2.08E-03	1.41E-03	1.96E-03	2.00E-03	1.89E-03	5.50E-04	3.57E-04	9.07E-04	5.36E-04	3.49E-04	8.85E-04	5.29E-04	3.44E-04	8.73E-04
4018	482863.09, 3854377.25	0.20358	0.015	3.19E-02	2.45E-03	3.00E-02	3.08E-02	2.90E-02	8.45E-03	6.22E-04	9.07E-03	8.24E-03	6.07E-04	8.85E-03	8.13E-03	5.99E-04	8.73E-03
4019	483363.09, 3854377.25	0.03528	0.05667	5.53E-03	9.25E-03	5.21E-03	5.33E-03	5.03E-03	1.46E-03	2.35E-03	3.81E-03	1.43E-03	2.29E-03	3.72E-03	1.41E-03	2.26E-03	3.67E-03
4020	483863.09, 3854377.25	0.01637	0.09185	2.56E-03	1.50E-02	2.42E-03	2.47E-03	2.33E-03	6.79E-04	3.81E-03	4.49E-03	6.63E-04	3.72E-03	4.38E-03	6.54E-04	3.67E-03	4.32E-03
4021	484363.09, 3854377.25	0.01066	0.03136	1.67E-03	5.12E-03	1.57E-03	1.61E-03	1.52E-03	4.42E-04	1.30E-03	1.74E-03	4.32E-04	1.27E-03	1.70E-03	4.26E-04	1.25E-03	1.68E-03
4022	484863.09, 3854377.25	0.0079	0.01734	1.24E-03	2.83E-03	1.17E-03	1.19E-03	1.13E-03	3.28E-04	7.19E-04	1.05E-03	3.20E-04	7.02E-04	1.02E-03	3.16E-04	6.93E-04	1.01E-03
4023	485363.09, 3854377.25	0.0075	0.01519	1.17E-03	2.48E-03	1.11E-03	1.13E-03	1.07E-03	3.11E-04	6.30E-04	9.41E-04	3.04E-04	6.15E-04	9.19E-04	3.00E-04	6.07E-04	9.06E-04
4024	485863.09, 3854377.25	0.00623	0.01111	9.76E-04	1.81E-03	9.19E-04	9.42E-04	8.88E-04	2.58E-04	4.61E-04	7.19E-04	2.52E-04	4.50E-04	7.02E-04	2.49E-04	4.44E-04	6.93E-04
4025	486363.09, 3854377.25	0.00578	0.00978	9.05E-04	1.60E-03	8.53E-04	8.74E-04	8.24E-04	2.40E-04	4.06E-04	6.46E-04	2.34E-04	3.96E-04	6.30E-04	2.31E-04	3.91E-04	6.22E-04
4026	486863.09, 3854377.25	0.00526	0.00831	8.24E-04	1.36E-03	7.76E-04	7.95E-04	7.50E-04	2.18E-04	3.45E-04	5.63E-04	2.13E-04	3.36E-04	5.49E-04	2.10E-04	3.32E-04	5.42E-04
4027	487363.09, 3854377.25	0.00514	0.00777	8.05E-04	1.27E-03	7.59E-04	7.77E-04	7.33E-04	2.13E-04	3.22E-04	5.36E-04	2.08E-04	3.15E-04	5.23E-04	2.05E-04	3.10E-04	5.16E-04
4028	487863.09, 3854377.25	0.00523	0.00757	8.19E-04	1.24E-03	7.72E-04	7.91E-04	7.46E-04	2.17E-04	3.14E-04	5.31E-04	2.12E-04	3.06E-04	5.18E-04	2.09E-04	3.02E-04	5.11E-04
4029	488363.09, 3854377.25	0.0052	0.00724	8.15E-04	1.18E-03	7.67E-04	7.86E-04	7.41E-04	2.16E-04	3.00E-04	5.16E-04	2.11E-04	2.93E-04	5.04E-04	2.08E-04	2.89E-04	4.97E-04
4030	488863.09, 3854377.25	0.00511	0.00689	8.00E-04	1.12E-03	7.54E-04	7.72E-04	7.29E-04	2.12E-04	2.86E-04	4.98E-04	2.07E-04	2.79E-04	4.86E-04	2.04E-04	2.75E-04	4.79E-04
4031	489363.09, 3854377.25	0.00499	0.00653	7.82E-04	1.07E-03	7.36E-04	7.54E-04	7.11E-04	2.07E-04	2.71E-04	4.78E-04	2.02E-04	2.64E-04	4.66E-04	1.99E-04	2.61E-04	4.60E-04
4032	489863.09, 3854377.25	0.00483	0.00618	7.57E-04	1.01E-03	7.13E-04	7.30E-04	6.89E-04	2.00E-04	2.56E-04	4.57E-04	1.96E-04	2.50E-04	4.46E-04	1.93E-04	2.47E-04	4.40E-04
4033	490363.09, 3854377.25	0.00466	0.00584	7.30E-04	9.53E-04	6.88E-04	7.04E-04	6.64E-04	1.93E-04	2.42E-04	4.36E-04	1.89E-04	2.36E-04	4.25E-04	1.86E-04	2.33E-04	4.19E-04
4034	490863.09, 3854377.25	0.00421	0.00516	6.60E-04	8.42E-04	6.21E-04	6.36E-04	6.00E-04	1.75E-04	2.14E-04	3.89E-04	1.70E-04	2.09E-04	3.79E-04	1.68E-04	2.06E-04	3.74E-04
4035	491363.09, 3854377.25	0.00431	0.00522	6.75E-04	8.52E-04	6.36E-04	6.52E-04	6.15E-04	1.79E-04	2.17E-04	3.95E-04	1.74E-04	2.11E-04	3.86E-04	1.72E-04	2.09E-04	3.81E-04
4036	491863.09, 3854377.25	0.00436	0.0052	6.83E-04	8.49E-04	6.43E-04	6.59E-04	6.22E-04	1.81E-04	2.16E-04	3.97E-04	1.77E-04	2.11E-04	3.87E-04	1.74E-04	2.08E-04	3.82E-04
4037	492363.09, 3854377.25	0.00432	0.00509	6.77E-04	8.31E-04	6.38E-04	6.53E-04	6.16E-04	1.79E-04	2.11E-04	3.90E-04	1.75E-04	2.06E-04	3.81E-04	1.73E-04	2.03E-04	3.76E-04
4038	492863.09, 3854377.25	0.00422	0.00491	6.61E-04	8.01E-04	6.23E-04	6.38E-04	6.02E-04	1.75E-04	2.04E-04	3.79E-04	1.71E-04	1.99E-04	3.70E-04	1.69E-04	1.96E-04	3.65E-04
4039	493363.09, 3854377.25	0.00409	0.00471	6.41E-04	7.69E-04	6.04E-04	6.18E-04	5.83E-04	1.70E-04	1.95E-04	3.65E-04	1.66E-04	1.91E-04	3.56E-04	1.63E-04	1.88E-04	3.52E-04
4040	493863.09, 3854377.25	0.00396	0.00451	6.20E-04	7.36E-04	5.84E-04	5.99E-04	5.65E-04	1.64E-04	1.87E-04	3.51E-04	1.60E-04	1.83E-04	3.43E-04	1.58E-04	1.80E-04	3.38E-04
4041	494363.09, 3854377.25	0.00383	0.00433	6.00E-04	7.07E-04	5.65E-04	5.79E-04	5.46E-04	1.59E-04	1.80E-04	3.39E-04	1.55E-04	1.75E-04	3.30E-04	1.53E-04	1.73E-04	3.26E-04
4042	494863.09, 3854377.25	0.0035	0.0039	5.48E-04	6.37E-04	5.17E-04	5.29E-04	4.99E-04	1.45E-04	1.62E-04	3.07E-04	1.42E-04	1.58E-04	3.00E-04	1.40E-04	1.56E-04	2.96E-04
4043	495363.09, 3854377.25	0.00314	0.00346	4.92E-04	5.65E-04	4.63E-04	4.75E-04	4.48E-04	1.30E-04	1.44E-04	2.74E-04	1.27E-04	1.40E-04	2.67E-04	1.25E-04	1.38E-04	2.64E-04
4044	495863.09, 3854377.25	0.00291	0.00316	4.56E-04	5.16E-04	4.29E-04	4.40E-04	4.15E-04	1.21E-04	1.31E-04	2.52E-04	1.18E-04	1.28E-04	2.46E-04	1.16E-04	1.26E-04	2.42E-04
4045	496363.09, 3854377.25	0.00279	0.003	4.37E-04	4.90E-04	4.12E-04	4.22E-04	3.98E-04	1.16E-04	1.24E-04	2.40E-04	1.13E-04	1.21E-04	2.34E-04	1.11E-04	1.20E-04	2.31E-04
4046	496863.09, 3854377.25	0.00265	0.00281	4.15E-04	4.59E-04	3.91E-04	4.01E-04	3.78E-04	1.10E-04	1.17E-04	2.27E-04	1.07E-04	1.14E-04	2.21E-04	1.06E-04	1.12E-04	2.18E-04
4047	497363.09, 3854377.25	0.00242	0.00253	3.79E-04	4.13E-04	3.57E-04	3.66E-04	3.45E-04	1.00E-04	1.05E-04	2.05E-04	9.80E-05	1.02E-04	2.00E-04	9.67E-05	1.01E-04	1.98E-04
4048	497863.09, 3854377.25	0.00244	0.00255	3.82E-04	4.16E-04	3.60E-04	3.69E-04	3.48E-04	1.01E-04	1.06E-04	2.07E-04	9.88E-05	1.03E-04	2.02E-04	9.75E-05	1.02E-04	1.99E-04
4049	498363.09, 3854377.25	0.00231	0.0024	3.62E-04	3.92E-04	3.41E-04	3.49E-04	3.29E-04	9.58E-05	9.96E-05	1.95E-04	9.35E-05	9.72E-05	1.91E-04	9.23E-05	9.59E-05	1.88E-04
4050	471363.09, 3854877.25	0.00144	0.00144	2.26E-04	2.35E-04	2.13E-04	2.18E-04	2.05E-04	5.97E-05	5.97E-05	1.19E-04	5.83E-05	5.83E-05	1.17E-04	5.75E-05	5.75E-05	1.15E-04
4051	471863.09, 3854877.25	0.00149	0.00149	2.33E-04	2.43E-04	2.20E-04	2.25E-04	2.12E-04	6.18E-05	6.18E-05	1.24E-04	6.03E-05	6.03E-05	1.21E-04	5.95E-05	5.95E-05	1.19E-04
4052	472363.09, 3854877.25	0.00153	0.00153	2.40E-04	2.50E-04	2.26E-04	2.31E-04	2.18E-04	6.35E-05	6.35E-05	1.27E-04	6.19E-05	6.19E-05	1.24E-04	6.11E-05	6.11E-05	1.22E-04
4053	472863.09, 3854877.25	0.00154	0.00154	2.41E-04	2.51E-04	2.27E-04	2.33E-04	2.20E-04	6.39E-05	6.39E-05	1.28E-04	6.23E-05	6.23E-05	1.25E-04	6.15E-05	6.15E-05	1.23E-04
4054	473363.09, 3854877.25	0.0016	0.0016	2.51E-04	2.61E-04	2.36E-04	2.42E-04	2.28E-04	6.64E-05	6.64E-05	1.33E-04	6.48E-05	6.48E-05	1.30E-04	6.39E-05	6.39E-05	1.28E-04
4055	473863.09, 3854877.25	0.00166	0.00166	2.60E-04	2.71E-04	2.45E-04	2.51E-04	2.37E-04	6.89E-05	6.89E-05	1.38E-04	6.72E-05	6.72E-05	1.34E-04	6.63E-05	6.63E-05	1.33E-04
4056	474363.09, 3854877.25	0.00174	0.00174	2.73E-04	2.84E-04	2.57E-04	2.63E-04	2.48E-04	7.22E-05	7.22E-05	1.44E-04	7.04E-05	7.04E-05	1.41E-04	6.95E-05	6.95E-05	1.39E-04

4057	474863.09, 3854877.25	0.00162	0.00162	2.54E-04	2.64E-04	2.39E-04	2.45E-04	2.31E-04	6.72E-05	6.72E-05	1.34E-04	6.56E-05	6.56E-05	1.31E-04	6.47E-05	6.47E-05	1.29E-04
4058	475363.09, 3854877.25	0.0015	0.00148	2.35E-04	2.42E-04	2.21E-04	2.27E-04	2.14E-04	6.22E-05	6.14E-05	1.24E-04	6.07E-05	5.99E-05	1.21E-04	5.99E-05	5.91E-05	1.19E-04
4059	475863.09, 3854877.25	0.00141	0.00138	2.21E-04	2.25E-04	2.08E-04	2.13E-04	2.01E-04	5.85E-05	5.73E-05	1.16E-04	5.71E-05	5.59E-05	1.13E-04	5.63E-05	5.51E-05	1.11E-04
4060	476363.09, 3854877.25	0.0013	0.00125	2.04E-04	2.04E-04	1.92E-04	1.97E-04	1.85E-04	5.39E-05	5.19E-05	1.06E-04	5.26E-05	5.06E-05	1.03E-04	5.19E-05	4.99E-05	1.02E-04
4061	476863.09, 3854877.25	0.00132	0.00128	2.07E-04	2.09E-04	1.95E-04	2.00E-04	1.88E-04	5.48E-05	5.31E-05	1.08E-04	5.34E-05	5.18E-05	1.05E-04	5.27E-05	5.11E-05	1.04E-04
4062	477363.09, 3854877.25	0.00144	0.00139	2.26E-04	2.27E-04	2.13E-04	2.18E-04	2.05E-04	5.97E-05	5.77E-05	1.17E-04	5.83E-05	5.63E-05	1.15E-04	5.75E-05	5.55E-05	1.13E-04
4063	477863.09, 3854877.25	0.00156	0.00151	2.44E-04	2.46E-04	2.30E-04	2.36E-04	2.22E-04	6.47E-05	6.26E-05	1.27E-04	6.32E-05	6.11E-05	1.24E-04	6.23E-05	6.03E-05	1.23E-04
4064	478363.09, 3854877.25	0.00176	0.00171	2.76E-04	2.79E-04	2.60E-04	2.66E-04	2.51E-04	7.30E-05	7.09E-05	1.44E-04	7.13E-05	6.92E-05	1.40E-04	7.03E-05	6.83E-05	1.39E-04
4065	478863.09, 3854877.25	0.00202	0.00197	3.16E-04	3.22E-04	2.98E-04	3.05E-04	2.88E-04	8.38E-05	8.17E-05	1.66E-04	8.18E-05	7.98E-05	1.62E-04	8.07E-05	7.87E-05	1.59E-04
4066	479363.09, 3854877.25	0.00229	0.00226	3.59E-04	3.69E-04	3.38E-04	3.46E-04	3.27E-04	9.50E-05	9.38E-05	1.89E-04	9.27E-05	9.15E-05	1.84E-04	9.15E-05	9.03E-05	1.82E-04
4067	479863.09, 3854877.25	0.0026	0.0026	4.07E-04	4.24E-04	3.84E-04	3.93E-04	3.71E-04	1.08E-04	1.08E-04	2.16E-04	1.05E-04	1.05E-04	2.11E-04	1.04E-04	1.04E-04	2.08E-04
4068	480363.09, 3854877.25	0.0029	0.00295	4.54E-04	4.82E-04	4.28E-04	4.38E-04	4.13E-04	1.20E-04	1.22E-04	2.43E-04	1.17E-04	1.19E-04	2.37E-04	1.16E-04	1.18E-04	2.34E-04
4069	480863.09, 3854877.25	0.00357	0.00362	5.59E-04	5.91E-04	5.27E-04	5.40E-04	5.09E-04	1.48E-04	1.50E-04	2.98E-04	1.45E-04	1.47E-04	2.91E-04	1.43E-04	1.45E-04	2.87E-04
4070	481363.09, 3854877.25	0.0044	0.00427	6.89E-04	6.97E-04	6.49E-04	6.65E-04	6.27E-04	1.83E-04	1.77E-04	3.60E-04	1.78E-04	1.73E-04	3.51E-04	1.76E-04	1.71E-04	3.46E-04
4071	481863.09, 3854877.25	0.00504	0.00473	7.90E-04	7.72E-04	7.44E-04	7.62E-04	7.19E-04	2.09E-04	1.96E-04	4.05E-04	2.04E-04	1.91E-04	3.96E-04	2.01E-04	1.89E-04	3.90E-04
4072	482363.09, 3854877.25	0.01	0.00618	1.57E-03	1.01E-03	1.48E-03	1.51E-03	1.43E-03	4.15E-04	2.56E-04	6.71E-04	4.05E-04	2.50E-04	6.55E-04	3.99E-04	2.47E-04	6.46E-04
4073	482863.09, 3854877.25	0.0242	0.00783	3.79E-03	1.28E-03	3.57E-03	3.66E-03	3.45E-03	1.00E-03	3.25E-04	1.33E-03	9.80E-04	3.17E-04	1.30E-03	9.67E-04	3.13E-04	1.28E-03
4074	483363.09, 3854877.25	0.11658	0.01103	1.83E-02	1.80E-03	1.72E-02	1.76E-02	1.66E-02	4.84E-03	4.58E-04	5.29E-03	4.72E-03	4.47E-04	5.17E-03	4.66E-03	4.41E-04	5.10E-03
4075	483863.09, 3854877.25	0.02868	0.02107	4.49E-03	3.44E-03	4.23E-03	4.34E-03	4.09E-03	1.19E-03	8.74E-04	2.06E-03	1.16E-03	8.53E-04	2.01E-03	1.15E-03	8.42E-04	1.99E-03
4076	484363.09, 3854877.25	0.0155	0.12829	2.43E-03	2.09E-02	2.29E-03	2.34E-03	2.21E-03	6.43E-04	5.32E-03	5.97E-03	6.28E-04	5.19E-03	5.82E-03	6.19E-04	5.12E-03	5.74E-03
4077	484863.09, 3854877.25	0.01157	0.08215	1.81E-03	1.34E-02	1.71E-03	1.75E-03	1.65E-03	4.80E-04	3.41E-03	3.89E-03	4.68E-04	3.33E-03	3.79E-03	4.62E-04	3.28E-03	3.74E-03
4078	485363.09, 3854877.25	0.0094	0.03138	1.47E-03	5.12E-03	1.39E-03	1.42E-03	1.34E-03	3.90E-04	1.30E-03	1.69E-03	3.81E-04	1.27E-03	1.65E-03	3.76E-04	1.25E-03	1.63E-03
4079	485863.09, 3854877.25	0.00802	0.01921	1.26E-03	3.14E-03	1.18E-03	1.21E-03	1.14E-03	3.33E-04	7.97E-04	1.13E-03	3.25E-04	7.78E-04	1.10E-03	3.20E-04	7.67E-04	1.09E-03
4080	486363.09, 3854877.25	0.00702	0.0139	1.10E-03	2.27E-03	1.04E-03	1.06E-03	1.00E-03	2.91E-04	5.77E-04	8.68E-04	2.84E-04	5.63E-04	8.47E-04	2.80E-04	5.55E-04	8.36E-04
4081	486863.09, 3854877.25	0.00633	0.01112	9.92E-04	1.82E-03	9.34E-04	9.57E-04	9.03E-04	2.63E-04	4.61E-04	7.24E-04	2.56E-04	4.50E-04	7.06E-04	2.53E-04	4.44E-04	6.97E-04
4082	487363.09, 3854877.25	0.00596	0.00975	9.34E-04	1.59E-03	8.80E-04	9.01E-04	8.50E-04	2.47E-04	4.05E-04	6.52E-04	2.41E-04	3.95E-04	6.36E-04	2.38E-04	3.89E-04	6.28E-04
4083	487863.09, 3854877.25	0.00571	0.00881	8.94E-04	1.44E-03	8.43E-04	8.63E-04	8.14E-04	2.37E-04	3.66E-04	6.02E-04	2.31E-04	3.57E-04	5.88E-04	2.28E-04	3.52E-04	5.80E-04
4084	488363.09, 3854877.25	0.00561	0.00819	8.79E-04	1.34E-03	8.28E-04	8.48E-04	8.00E-04	2.33E-04	3.40E-04	5.73E-04	2.27E-04	3.32E-04	5.59E-04	2.24E-04	3.27E-04	5.51E-04
4085	488863.09, 3854877.25	0.0056	0.00777	8.77E-04	1.27E-03	8.26E-04	8.47E-04	7.98E-04	2.32E-04	3.22E-04	5.55E-04	2.27E-04	3.15E-04	5.41E-04	2.24E-04	3.10E-04	5.34E-04
4086	489363.09, 3854877.25	0.00548	0.00731	8.58E-04	1.19E-03	8.09E-04	8.28E-04	7.81E-04	2.27E-04	3.03E-04	5.31E-04	2.22E-04	2.96E-04	5.18E-04	2.19E-04	2.92E-04	5.11E-04
4087	489863.09, 3854877.25	0.0052	0.00676	8.15E-04	1.10E-03	7.67E-04	7.86E-04	7.41E-04	2.16E-04	2.80E-04	4.96E-04	2.11E-04	2.74E-04	4.84E-04	2.08E-04	2.70E-04	4.78E-04
4088	490363.09, 3854877.25	0.0045	0.00569	7.05E-04	9.29E-04	6.64E-04	6.80E-04	6.42E-04	1.87E-04	2.36E-04	4.23E-04	1.82E-04	2.30E-04	4.13E-04	1.80E-04	2.27E-04	4.07E-04
4089	490863.09, 3854877.25	0.00386	0.00463	6.05E-04	7.56E-04	5.70E-04	5.83E-04	5.50E-04	1.60E-04	1.92E-04	3.52E-04	1.56E-04	1.87E-04	3.44E-04	1.54E-04	1.85E-04	3.39E-04
4090	491363.09, 3854877.25	0.00395	0.00473	6.19E-04	7.72E-04	5.83E-04	5.97E-04	5.63E-04	1.64E-04	1.96E-04	3.60E-04	1.60E-04	1.91E-04	3.51E-04	1.58E-04	1.89E-04	3.47E-04
4091	491863.09, 3854877.25	0.00462	0.00553	7.24E-04	9.03E-04	6.82E-04	6.98E-04	6.59E-04	1.92E-04	2.29E-04	4.21E-04	1.87E-04	2.24E-04	4.11E-04	1.85E-04	2.21E-04	4.05E-04
4092	492363.09, 3854877.25	0.00459	0.00539	7.19E-04	8.80E-04	6.77E-04	6.94E-04	6.54E-04	1.90E-04	2.24E-04	4.14E-04	1.86E-04	2.18E-04	4.04E-04	1.83E-04	2.15E-04	3.99E-04
4093	492863.09, 3854877.25	0.00444	0.00515	6.96E-04	8.41E-04	6.55E-04	6.71E-04	6.33E-04	1.84E-04	2.14E-04	3.98E-04	1.80E-04	2.08E-04	3.88E-04	1.77E-04	2.06E-04	3.83E-04
4094	493363.09, 3854877.25	0.00425	0.00489	6.66E-04	7.98E-04	6.27E-04	6.42E-04	6.06E-04	1.76E-04	2.03E-04	3.79E-04	1.72E-04	1.98E-04	3.70E-04	1.70E-04	1.95E-04	3.65E-04
4095	493863.09, 3854877.25	0.0041	0.00468	6.42E-04	7.64E-04	6.05E-04	6.20E-04	5.85E-04	1.70E-04	1.94E-04	3.64E-04	1.66E-04	1.89E-04	3.55E-04	1.64E-04	1.87E-04	3.51E-04
4096	494363.09, 3854877.25	0.00363	0.00409	5.69E-04	6.68E-04	5.36E-04	5.49E-04	5.18E-04	1.51E-04	1.70E-04	3.20E-04	1.47E-04	1.66E-04	3.13E-04	1.45E-04	1.63E-04	3.08E-04
4097	494863.09, 3854877.25	0.00317	0.00348	4.97E-04	5.68E-04	4.68E-04	4.79E-04	4.52E-04	1.32E-04	1.44E-04	2.76E-04	1.28E-04	1.41E-04	2.69E-04	1.27E-04	1.39E-04	2.66E-04
4098	495363.09, 3854877.25	0.00288	0.0031	4.51E-04	5.06E-04	4.25E-04	4.35E-04	4.11E-04	1.19E-04	1.29E-04	2.48E-04	1.17E-04	1.26E-04	2.42E-04	1.15E-04	1.24E-04	2.39E-04
4099	495863.09, 3854877.25	0.00272	0.00289	4.26E-04	4.72E-04	4.01E-04	4.11E-04	3.88E-04	1.13E-04	1.20E-04	2.33E-04	1.10E-04	1.17E-04	2.27E-04	1.09E-04	1.15E-04	2.24E-04
4100	496363.09, 3854877.25	0.0025	0.00261	3.92E-04	4.26E-04	3.69E-04	3.78E-04	3.56E-04	1.04E-04	1.08E-04	2.12E-04	1.01E-04	1.06E-04	2.07E-04	9.99E-05	1.04E-04	2.04E-04
4101	496863.09, 3854877.25	0.00236	0.00245	3.70E-04	4.00E-04	3.48E-04	3.57E-04	3.36E-04	9.79E-05	1.02E-04	2.00E-04	9.55E-05	9.92E-05	1.95E-04	9.43E-05	9.79E-05	1.92E-04
4102	497363.09, 3854877.25	0.00232	0.0024	3.63E-04	3.92E-04	3.42E-04	3.51E-04	3.31E-04	9.63E-05	9.96E-05	1.96E-04	9.39E-05	9.72E-05	1.91E-04	9.27E-05	9.59E-05	1.89E-04
4103	497863.09, 3854877.25	0.0024	0.00248	3.76E-04	4.05E-04	3.54E-04	3.63E-04	3.42E-04	9.96E-05	1.03E-04	2.02E-04	9.72E-05	1.00E-04	1.98E-04	9.59E-05	9.91E-05	1.95E-04
4104	498363.09, 3854877.25	0.00237	0.00244	3.71E-04	3.98E-04	3.50E-04	3.58E-04	3.38E-04	9.83E-05	1.01E-04	2.00E-04	9.59E-05	9.88E-05	1.95E-04	9.47E-05	9.75E-05	1.92E-04
4105	471363.09, 3855377.25	0.00141	0.00142	2.21E-04	2.32E-04	2.08E-04	2.13E-04	2.01E-04	5.85E-05	5.89E-05	1.17E-04	5.71E-05	5.75E-05	1.15E-04	5.63E-05	5.67E-05	1.13E-04
4106	471863.09, 3855377.25	0.00144	0.00145	2.26E-04	2.37E-04	2.13E-04	2.18E-04	2.05E-04	5.97E-05	6.02E-05	1.20E-04	5.83E-05	5.87E-05	1.17E-04	5.75E-05	5.79E-05	1.15E-04
4107	472363.09, 3855377.25	0.00149	0.0015	2.33E-04	2.45E-04	2.20E-04	2.25E-04	2.12E-04	6.18E-05	6.22E-05	1.24E-04	6.03E-05	6.07E-05	1.21E-04	5.95E-05	5.99E-05	1.19E-04
4108	472863.09, 3855377.25	0.00151	0.00152	2.37E-04	2.48E-04	2.23E-04	2.28E-04	2.15E-04	6.26E-05	6.31E-05	1.26E-04	6.11E-05	6.15E-05	1.23E-04	6.03E-05	6.07E-05	1.21E-04
4109	473363.09, 3855377.25	0.00158	0.00159	2.48E-04	2.60E-04	2.33E-04	2.39E-04	2.25E-04	6.56E-05	6.60E-05	1.32E-04	6.40E-05	6.44E-05	1.28E-04	6.31E-05	6.35E-05	1.27E-04
4110	473863.09, 3855377.25	0.00164	0.00165	2.57E-04	2.69E-04	2.42E-04	2.48E-04	2.34E-04	6.80E-05	6.85E-05	1.36E-04	6.64E-05	6.68E-05	1.33E-04	6.55E-05	6.59E-05	1.31E-04
4111	474363.09, 3855377.25	0.00169	0.0017	2.65E-04	2.77E-04	2.49E-04	2.55E-04	2.41E-04	7.01E-05	7.05E-05	1.41E-04	6.84E-05	6.88E-05	1.37E-04	6.75E-05	6.79E-05	1.35E-04
4112	474863.09, 3855377.25	0.00158	0.00159	2.48E-04	2.60E-04	2.33E-04	2.39E-04	2.25E-04	6.56E-05	6.60E-05	1.32E-04	6.40E-05	6.44E-05	1.28E-04	6.31E-05	6.35E-05	1.27E-04
4113	475363.09, 3855377.25	0.00128	0.00126	2.01E-04	2.06E-04	1.89E-04	1.93E-04	1.83E-04	5.31E-05	5.23E-05	1.05E-04	5.18E-05	5.10E-05	1.03E-04	5.11E-05	5.03E-05	1.01E-04
4114	475863.09, 3855377.25	0.00123	0.00119	1.93E-04	1.94E-04	1.82E-04	1.86E-04	1.75E-04	5.10E-05	4.94E-05	1.00E-04	4.98E-05	4.82E-05	9.80E-05	4.91E-05	4.75E-05	9.67E-05
4115	476363.09, 3855377.25	0.00131	0.00127	2.05E-04	2.07E-04	1.93E-04	1.98E-04	1.87E-04	5.43E-05	5.27E-05	1.07E-04	5.30E-05	5.14E-05	1.04E-04	5.23E-05	5.07E-05	1.03E-04
4116	476863.09, 3855377.25	0.00134	0.00129	2.10E-04	2.11E-04	1.98E-04	2.03E-04	1.91E-04	5.56E-05	5.35E-05	1.09E-04	5.42E-05	5.22E-05	1.06E-04	5.35E-05	5.15E-05	1.05E-04
4117	477363.09, 3855377.25	0.00141	0.00136	2.21E-04	2.22E-04	2.08E-04	2.13E-04	2.01E-04	5.85E-05	5.64E-05	1.15E-04	5.71E-05	5.51E-05	1.12E-04	5.63E-05	5.43E-05	1.11E-04
4118	477863.09, 3855377.25	0.00156	0.00151	2.44E-04	2.46E-04	2.30E-04	2.36E-04	2.22E-04	6.47E-05	6.26E-05	1.27E-04	6.32E-05	6.11E-05	1.24E-04	6.23E-05	6.03E-05	1.23E-04
4119	478363.09, 3855377.25	0.00173	0.00169	2.71E-04	2.76E-04	2.55E-04	2.62E-04	2.47E-04	7.18E-05	7.01E-05	1.42E-04	7.00E-05	6.84E-05	1.38E-04	6.91E-05	6.75E-05	1.37E-04
4120	478863.09, 3855377.25	0.00192	0.00188	3.01E-04	3.07E-04	2.83E-04	2.90E-04	2.74E-04	7.97E-05	7.80E-05	1.58E-04	7.77E-05	7.61E-05	1.54E-04	7.67E-05	7.51E-05	1.52E-04
4121	479363.09, 3855377.25	0.00214	0.00214	3.35E-04	3.49E-04	3.16E-04	3.23E-04	3.05E-04	8.88E-05	8.88E-05	1.78E-04	8.66E-05	8.66E-05	1.73E-04	8.55E-05	8.55E-05	1.71E-04
4122	479863.09, 3855377.25	0.00239	0.00242	3.74E-04	3.95E-04	3.53E-04	3.61E-04	3.41E-04	9.92E-05	1.00E-04	2.00E-04	9.68E-05	9.80E-05	1.95E-04	9.55E-05	9.67E-05	1.92E-04
4123	480363.09, 3855377.25	0.00279	0.00289	4.37E-04	4.72E-04	4.12E-04	4.22E-04	3.98E-04	1.16E-04	1.20E-04	2.36E-04	1.13E-04	1.17E-04	2.30E-04	1.11E-04	1.15E-04	2.27E-04
4124	480863.09, 3855377.25	0.00344	0.00345	5.39E-04	5.63E-04	5.08E-04	5.20E-04	4.90E-04	1.43E-04	1.43E-04	2.86E-04	1.39E-04	1.40E-04	2.79E-04	1.37E-04	1.38E-04	2.75E-04
4125	481363.09, 3855377.25	0.00441	0.00401	6.91E-04	6.55E-04	6.51E-04	6.67E-04	6.29E-04	1.83E-04	1.66E-04	3.49E-04	1.79E-04	1.62E-04	3.41E-04	1.76E-04	1.60E-04	3.36E-04
4126	481863.09, 3855377.25	0.00564	0.00448	8.84E-04	7.31E-04	8.32E-04	8.53E-04	8.04E-04	2.34E-04	1.86E-04	4.20E-04	2.28E-04	1.81E-04	4.10E-04	2.25E-04	1.79E-04	4.04E-04
4127	482363.09, 3855377.25	0.00741	0.00493	1.16E-03	8.05E-04	1.09E-03	1.12E-03	1.06E-03	3.07E-04	2.05E-04	5.12E-04	3.00E-04	2.00E-04	5.00E-04	2.96E-04	1.97E-04	4.93E-04
4128	482863.09, 3855377.25	0.01098	0.00566	1.72E-03	9.24E-04	1.62E-03	1.66E-03	1.57E-03	4.56E-04	2.35E-04	6.90E-04	4.45E-04	2.29E-04	6.74E-04	4.39E-04	2.26E-04	6.65E-04
4129	483363.09, 3855377.25	0.02439	0.00675	3.82E-03	1.10E-03	3.60E-03	3.69E-03	3.48E-03	1.01E-03	2.80E-04	1.29E-03	9.87E-04	2.73E-04	1.26E-03	9.74E-04	2.70E-04	1.24E-03
4130	483863.09, 3855377.25	0.15792	0.009	2.47E-02	1.47E-03	2.33E-02	2.39E-02	2.25E-02	6.55E-03	3.73E-04	6.93E-03	6.39E-03	3.64E-04	6.76E-03	6.31E-03	3.60E-04	6.67E-03
4131	484363.09, 3855377.25	0.03146	0.01369	4.93E-03	2.23E-03	4.64E-03	4.76E-03	4.49E-03	1.31E-03	5.68E-04	1.87E-03	1.27E-03	5.54E-04	1.83E-03	1.26E-03	5.47E-04	1.80E-03
4132	484863.09, 3855377.25	0.01891	0.03747	2.96E-03	6.12E-03	2.79E-03	2.86E-03	2.70E-03	7.85E-04	1.55E-03	2.34E-03	7.66E-04	1.52E-03	2.28E-03	7.55E-04	1.50E-03	2.25E-03
4133	485363.09, 3855377.25	0.01353	0.08666	2.12E-03	1.41E-02	2.00E-03	2.05E-03	1.93E-03	5.61E-04	3.60E-03	4.16E-03	5.48E-04	3.51E-03	4.06E-03	5.40E-04	3.46E-03	4.00E-03
4134	485863.09, 3855377.25	0.01077	0.03164	1.69E-03	5.16E-03	1.59E-03	1.63E-03	1.54E-03	4.47E-04	1.31E-03	1.76E-03	4.36E-04	1.28E-03	1.72E-03	4.30E-04	1.26E-03	1.69E-03
4135	486363.09, 3855377.25	0.00889	0.0196	1.39E-03	3.20E-03	1.31E-03	1.34E-03	1.27E-03	3.69E-04	8.13E-04	1.18E-03	3.60E-04	7.93E-04	1.15E-03	3.55E-04	7.83E-04	1.14E-03
4136	486863.09, 3855377.25	0.0077	0.01436	1.21E-03	2.34E-03	1.14E-03	1.16E-03	1.10E-03	3.19E-04	5.96E-04	9.15E-04	3.12E-04	5.81E-04	8.93E-04	3.08E-04	5.74E-04	8.81E-04
4137	487363.09, 3855377.25	0.00728	0.01227	1.14E-03	2.00E-03	1.07E-03	1.10E-03	1.04E-03	3.02E-04	5.09E-04	8.11E-04	2.95E-04	4.97E-04	7.91E-04	2.91E-04	4.90E-04	7.81E-04
4138	487863.09, 3855377.25	0.00686	0.01073	1.07E-03	1.75E-03	1.01E-03	1.04E-03	9.78E-04	2.85E-04	4.45E-04	7.30E-04	2.78E-04	4.34E-04	7.12E-04	2.74E-04	4.29E-04	7.03E-04
4139	488363.09, 3855377.25	0.0065	0.00956	1.02E-03	1.56E-03	9.59E-04	9.83E-04	9.27E-04	2.70E-04	3.97E-04	6.66E-04	2.63E-04	3.87E-04	6.50E-04	2.60E-04	3.82E-04	6.42E-04
4140	488863.09, 3855377.25	0.00623	0.00868	9.76E-04	1.42E-03	9.19E-04	9.42E-04	8.88E-04	2.58E-04	3.60E-04	6.19E-04	2.52E-04	3.51E-04	6.04E-04	2.49E-04	3.47E-04	5.96E-04
4141	489363.09, 3855377.25	0.00598	0.00798	9.37E-04	1.30E-03	8.83E-04	9.04E-04	8.53E-04	2.48E-04	3.31E-04	5.79E-04	2.42E-04	3.23E-04	5.65E-04	2.39E-04	3.19E-04	5.58E-04
4142	489863.09, 3855377.25	0.00569	0.00739	8.91E-04	1.21E-03	8.40E-04	8.60E-04	8.11E-04	2.36E-04	3.07E-04	5.43E-04	2.30E-04	2.99E-04	5.30E-04	2.27E-04	2.95E-04	5.23E-04
4143	490363.09, 3855377.25	0.0056	0.007	8.77E-04	1.14E-03	8.26E-04	8.47E-04	7.98E-04	2.32E-04	2.90E-04	5.23E-04	2.27E-04	2.83E-04	5.10E-04	2.24E-04	2.80E-04	5.03E-04
4144	490863.09, 3855377.25	0.00446	0.00556	6.99E-04	9.08E-04	6.58E-04	6.74E-04	6.36E-04	1.85E-04	2.31E-04	4.16E-04	1.81E-04	2.25E-04	4.06E-04	1.78E-04	2.22E-04	4.00E-04
4145	491363.09, 3855377.25	0.00414	0.00499	6.49E-04	8.15E-04	6.11E-04	6.26E-04	5.90E-04	1.72E-04	2.07E-04	3.79E-04	1.68E-04	2.02E-04	3.70E-04	1.65E-04	1.99E-04	3.65E-04
4146	491863.09, 3855377.25	0.00492	0.00586	7.71E-04	9.57E-04	7.26E-04	7.44E-04	7.02E-04	2.04E-04	2.43E-04	4.47E-04	1.99E-04	2.37E-04	4.36E-04	1.97E-04	2.34E-04	4.31E-04
4147	492363.09, 3855377.25	0.00485	0.00565	7.60E-04	9.22E-04	7.16E-04	7.33E-04	6.92E-04	2.01E-04	2.34E-04	4.36E-04	1.96E-04	2.29E-04	4.25E-04	1.94E-04	2.26E-04	4.19E-04
4148	492863.09, 3855377.25	0.00465	0.00537	7.28E-04	8.77E-04	6.86E-04	7.03E-04	6.63E-04	1.93E-04	2.23E-04	4.16E-04	1.88E-04	2.17E-04	4.06E-04	1.86E-04	2.15E-04	4.00E-04
4149	493363.09, 3855377.25	0.00432	0.00499	6.77E-04	8.15E-04	6.38E-04	6.53E-04	6.16E-04	1.79E-04	2.07E-04	3.86E-04	1.75E-04	2.02E-04	3.77E-04	1.73E-04	1.99E-04	3.72E-04
4150	493863.09, 3855377.25	0.00384	0.00436	6.02E-04	7.12E-04	5.67E-04	5.80E-04	5.48E-04	1.59E-04	1.81E-04	3.40E-04	1.55E-04	1.77E-04	3.32E-04	1.53E-04	1.74E-04	3.28E-04
4151	494363.09, 3855377.25	0.00336	0.0037	5.26E-04	6.04E-04	4.96E-04	5.08E-04	4.79E-04	1.39E-04	1.54E-04	2.93E-04	1.36E-04	1.50E-04	2.86E-04	1.34E-04	1.48E-04	2.82E-04
4152	494863.09, 3855377.25	0.00295	0.00315	4.62E-04	5.14E-04	4.35E-04	4.46E-04	4.21E-04	1.22E-04	1.31E-04	2.53E-04	1.19E-04	1.28E-04	2.47E-04	1.18E-04	1.26E-04	2.44E-04
4153	495363.09, 3855377.25	0.00267	0.0028	4.18E-04	4.57E-04	3.94E-04	4.04E-04	3.81E-04	1.11E-04	1.16E-04	2.27E-04	1.08E-04	1.13E-04	2.21E-04	1.07E-04	1.12E-04	2.19E-04
4154	495863.09, 3855377.25	0.00247	0.00256	3.87E-04	4.18E-04	3.65E-04	3.73E-04	3.52E-04	1.02E-04	1.06E-04	2.09E-04	1.00E-04	1.04E-04	2.04E-04	9.87E-05	1.02E-04	2.01E-04
4155	496363.09, 3855377.25	0.00243	0.0025	3.81E-04	4.08E-04	3.59E-04	3.67E-04	3.46E-04	1.01E-04	1.04E-04	2.05E-04	9.84E-05	1.01E-04	2.00E-04	9.71E-05	9.99E-05	1.97E-04
4156	496863.09, 3855377.25	0.00239	0.00245	3.74E-04	4.00E-04	3.53E-04	3.61E-04	3.41E-04	9.92E-05	1.02E-04	2.01E-04	9.68E-05	9.92E-05	1.96E-04	9.55E-05	9.79E-05	1.93E-04
4157	497363.09, 3855377.25	0.00239	0.00246	3.74E-04	4.02E-04	3.53E-04	3.61E-04	3.41E-04	9.92E-05	1.02E-04	2.01E-04	9.68E-05	9.96E-05	1.96E-04	9.55E-05	9.83E-05	1.94E-04
4158	497863.09, 3855377.25	0.00244	0.00249	3.82E-04	4.06E-04	3.60E-04	3.69E-04	3.48E-04	1.01E-04	1.03E-04	2.05E-04	9.88E-05	1.01E-04	2.00E-04	9.75E-05	9.95E-05	1.97E-04
4159	498363.09, 3855377.25	0.00249	0.00255	3.90E-04	4.16E-04	3.67E-04	3.76E-04	3.55E-04	1.03E-04	1.06E-04	2.09E-04	1.01E-04	1.03E-04	2.04E-04	9.95E-05	1.02E-04	2.01E-04
4160	471363.09, 3855877.25	0.00138	0.00139	2.16E-04	2.27E-04	2.04E-04	2.09E-04	1.97E-04	5.73E-05	5.77E-05	1.15E-04	5.59E-05	5.63E-05	1.12E-04	5.51E-05	5.55E-05	1.11E-04
4161	471863.09, 3855877.25	0.00141	0.00143	2.21E-04	2.33E-04	2.08E-04	2.13E-04	2.01E-04	5.85E-05	5.93E-05	1.18E-04	5.71E-05	5.79E-05	1.15E-04	5.63E-05	5.71E-05	1.13E-04
4162	472363.09, 3855877.25	0.00147	0.00149	2.30E-04	2.43E-04	2.17E-04	2.22E-04	2.10E-04	6.10E-05	6.18E-05	1.23E-04	5.95E-05	6.03E-05	1.20E-04	5.87E-05	5.95E-05	1.18E-04
4163	472863.09, 3855877.25	0.00148	0.0015	2.32E-04	2.45E-04	2.18E-04	2.24E-04	2.11E-04	6.14E-05	6.22E-05	1.24E-04	5.99E-05	6.07E-05	1.21E-04	5.91E-05	5.99E-05	1.19E-04
4164	473363.09, 3855877.25	0.00155	0.00158	2.43E-04	2.58E-04	2.29E-04	2.34E-04	2.21E-04	6.43E-05	6.56E-05	1.30E-04	6.28E-05	6.40E-05	1.27E-04	6.19E-05	6.31E-05	1.25E-04
4165	473863.09, 3855877.25	0.00161	0.00164	2.52E-04	2.68E-04	2.38E-04	2.43E-04	2.30E-04	6.68E-05	6.80E-05	1.35E-04	6.52E-05	6.64E-05	1.32E-04	6.43E-05	6.55E-05	1.30E-04
4166	474363.09, 3855877.25	0.00165	0.00168	2.58E-04	2.74E-04	2.44E-04	2.49E-04	2.35E-04	6.85E-05	6.97E-05	1.38E-04	6.68E-05	6.80E-05	1.35E-04	6.59E-05	6.71E-05	1.33E-04
4167	474863.09, 3855877.25	0.00151	0.00154	2.37E-04	2.51E-04	2.23E-04	2.28E-04	2.15E-04	6.26E-05	6.39E-05	1.27E-04	6.11E-05	6.23E-05	1.23E-04	6.03E-05	6.15E-05	1.22E-04
4168	475363.09, 3855877.25	0.00132	0.00131	2.07E-04	2.14E-04	1.95E-04	2.00E-04	1.88E-04	5.48E-05	5.43E-05	1.09E-04	5.34E-05	5.30E-05	1.06E-04	5.27E-05	5.23E-05	1.05E-04
4169	475863.09, 3855877.25	0.0011	0.00107	1.72E-04	1.75E-04	1.62E-04	1.66E-04	1.57E-04	4.56E-05	4.44E-05	9.00E-05	4.45E-05	4.33E-05	8.79E-05	4.39E-05	4.27E-05	8.67E-05
4170	476363.09, 3855877.25	0.00114	0.00111	1.79E-04	1.81E-04	1.68E-04	1.72E-04	1.63E-04	4.73E-05	4.61E-05	9.33E-05	4.62E-05	4.49E-05	9.11E-05	4.55E-05	4.43E-05	8.99E-05
4171	476863.09, 3855877.25	0.0013	0.00126	2.04E-04	2.06E-04	1.92E-04	1.97E-04	1.85E-04	5.39E-05	5.23E-05	1.06E-04	5.26E-05	5.10E-05	1.04E-04	5.19E-05	5.03E-05	1.02E-04
4172	477363.09, 3855877.25	0.00141	0.00137	2.21E-04	2.24E-04	2.08E-04	2.13E-04	2.01E-04	5.85E-05	5.68E-05	1.15E-04	5.71E-05	5.55E-05	1.13E-04	5.63E-05	5.47E-05	1.11E-04

4173	477863.09, 3855877.25	0.00152	0.00149	2.38E-04	2.43E-04	2.24E-04	2.30E-04	2.17E-04	6.31E-05	6.18E-05	1.25E-04	6.15E-05	6.03E-05	1.22E-04	6.07E-05	5.95E-05	1.20E-04
4174	478363.09, 3855877.25	0.00168	0.00166	2.63E-04	2.71E-04	2.48E-04	2.54E-04	2.40E-04	6.97E-05	6.89E-05	1.39E-04	6.80E-05	6.72E-05	1.35E-04	6.71E-05	6.63E-05	1.33E-04
4175	478863.09, 3855877.25	0.00186	0.00186	2.91E-04	3.04E-04	2.75E-04	2.81E-04	2.65E-04	7.72E-05	7.72E-05	1.54E-04	7.53E-05	7.53E-05	1.51E-04	7.43E-05	7.43E-05	1.49E-04
4176	479363.09, 3855877.25	0.00209	0.00213	3.27E-04	3.48E-04	3.08E-04	3.16E-04	2.98E-04	8.67E-05	8.84E-05	1.75E-04	8.46E-05	8.62E-05	1.71E-04	8.35E-05	8.51E-05	1.69E-04
4177	479863.09, 3855877.25	0.00232	0.0024	3.63E-04	3.92E-04	3.42E-04	3.51E-04	3.31E-04	9.63E-05	9.96E-05	1.96E-04	9.39E-05	9.72E-05	1.91E-04	9.27E-05	9.59E-05	1.89E-04
4178	480363.09, 3855877.25	0.00266	0.00277	4.17E-04	4.52E-04	3.93E-04	4.02E-04	3.79E-04	1.10E-04	1.15E-04	2.25E-04	1.08E-04	1.12E-04	2.20E-04	1.06E-04	1.11E-04	2.17E-04
4179	480863.09, 3855877.25	0.00314	0.0032	4.92E-04	5.22E-04	4.63E-04	4.75E-04	4.48E-04	1.30E-04	1.33E-04	2.63E-04	1.27E-04	1.30E-04	2.57E-04	1.25E-04	1.28E-04	2.53E-04
4180	481363.09, 3855877.25	0.00339	0.00343	5.31E-04	5.60E-04	5.00E-04	5.12E-04	4.83E-04	1.41E-04	1.42E-04	2.83E-04	1.37E-04	1.39E-04	2.76E-04	1.35E-04	1.37E-04	2.72E-04
4181	481863.09, 3855877.25	0.00483	0.00395	7.57E-04	6.45E-04	7.13E-04	7.30E-04	6.89E-04	2.00E-04	1.64E-04	3.64E-04	1.96E-04	1.60E-04	3.55E-04	1.93E-04	1.58E-04	3.51E-04
4182	482363.09, 3855877.25	0.0059	0.00419	9.24E-04	6.84E-04	8.71E-04	8.92E-04	8.41E-04	2.45E-04	1.74E-04	4.19E-04	2.39E-04	1.70E-04	4.08E-04	2.36E-04	1.67E-04	4.03E-04
4183	482863.09, 3855877.25	0.00745	0.00463	1.17E-03	7.56E-04	1.10E-03	1.13E-03	1.06E-03	3.09E-04	1.92E-04	5.01E-04	3.02E-04	1.87E-04	4.89E-04	2.98E-04	1.85E-04	4.83E-04
4184	483363.09, 3855877.25	0.01062	0.00523	1.66E-03	8.54E-04	1.57E-03	1.61E-03	1.51E-03	4.41E-04	2.17E-04	6.58E-04	4.30E-04	2.12E-04	6.42E-04	4.24E-04	2.09E-04	6.33E-04
4185	483863.09, 3855877.25	0.02192	0.00624	3.43E-03	1.02E-03	3.24E-03	3.31E-03	3.13E-03	9.09E-04	2.59E-04	1.17E-03	8.87E-04	2.53E-04	1.14E-03	8.76E-04	2.49E-04	1.12E-03
4186	484363.09, 3855877.25	0.25544	0.00823	4.00E-02	1.34E-03	3.77E-02	3.86E-02	3.64E-02	1.06E-02	3.41E-04	1.09E-02	1.03E-02	3.33E-04	1.07E-02	1.02E-02	3.29E-04	1.05E-02
4187	484863.09, 3855877.25	0.04005	0.01232	6.27E-03	2.01E-03	5.91E-03	6.05E-03	5.71E-03	1.66E-03	5.11E-04	2.17E-03	1.62E-03	4.99E-04	2.12E-03	1.60E-03	4.92E-04	2.09E-03
4188	485363.09, 3855877.25	0.0222	0.0329	3.48E-03	5.37E-03	3.28E-03	3.36E-03	3.17E-03	9.21E-04	1.36E-03	2.29E-03	8.99E-04	1.33E-03	2.23E-03	8.87E-04	1.31E-03	2.20E-03
4189	485863.09, 3855877.25	0.01524	0.09566	2.39E-03	1.56E-02	2.25E-03	2.30E-03	2.17E-03	6.32E-04	3.97E-03	4.60E-03	6.17E-04	3.87E-03	4.49E-03	6.09E-04	3.82E-03	4.43E-03
4190	486363.09, 3855877.25	0.01144	0.03109	1.79E-03	5.07E-03	1.69E-03	1.73E-03	1.63E-03	4.75E-04	1.29E-03	1.76E-03	4.63E-04	1.26E-03	1.72E-03	4.57E-04	1.24E-03	1.70E-03
4191	486863.09, 3855877.25	0.0096	0.01969	1.50E-03	3.21E-03	1.42E-03	1.45E-03	1.37E-03	3.98E-04	8.17E-04	1.22E-03	3.89E-04	7.97E-04	1.19E-03	3.83E-04	7.87E-04	1.17E-03
4192	487363.09, 3855877.25	0.00888	0.01567	1.39E-03	2.56E-03	1.31E-03	1.34E-03	1.27E-03	3.68E-04	6.50E-04	1.02E-03	3.60E-04	6.34E-04	9.94E-04	3.55E-04	6.26E-04	9.81E-04
4193	487863.09, 3855877.25	0.00833	0.01315	1.30E-03	2.15E-03	1.23E-03	1.26E-03	1.19E-03	3.46E-04	5.46E-04	8.91E-04	3.37E-04	5.32E-04	8.70E-04	3.33E-04	5.25E-04	8.58E-04
4194	488363.09, 3855877.25	0.00776	0.01129	1.22E-03	1.84E-03	1.15E-03	1.17E-03	1.11E-03	3.22E-04	4.68E-04	7.90E-04	3.14E-04	4.57E-04	7.71E-04	3.10E-04	4.51E-04	7.61E-04
4195	488863.09, 3855877.25	0.00727	0.00994	1.14E-03	1.62E-03	1.07E-03	1.10E-03	1.04E-03	3.02E-04	4.12E-04	7.14E-04	2.94E-04	4.02E-04	6.97E-04	2.90E-04	3.97E-04	6.87E-04
4196	489363.09, 3855877.25	0.00682	0.00889	1.07E-03	1.45E-03	1.01E-03	1.03E-03	9.72E-04	2.83E-04	3.69E-04	6.52E-04	2.76E-04	3.60E-04	6.36E-04	2.72E-04	3.55E-04	6.28E-04
4197	489863.09, 3855877.25	0.00645	0.0081	1.01E-03	1.32E-03	9.52E-04	9.75E-04	9.20E-04	2.68E-04	3.36E-04	6.04E-04	2.61E-04	3.28E-04	5.89E-04	2.58E-04	3.24E-04	5.81E-04
4198	490363.09, 3855877.25	0.00618	0.00751	9.68E-04	1.23E-03	9.12E-04	9.34E-04	8.81E-04	2.56E-04	3.12E-04	5.68E-04	2.50E-04	3.04E-04	5.54E-04	2.47E-04	3.00E-04	5.47E-04
4199	490863.09, 3855877.25	0.0058	0.00699	9.09E-04	1.14E-03	8.56E-04	8.77E-04	8.27E-04	2.41E-04	2.90E-04	5.31E-04	2.35E-04	2.83E-04	5.18E-04	2.32E-04	2.79E-04	5.11E-04
4200	491363.09, 3855877.25	0.00521	0.00634	8.16E-04	1.03E-03	7.69E-04	7.88E-04	7.43E-04	2.16E-04	2.63E-04	4.79E-04	2.11E-04	2.57E-04	4.68E-04	2.08E-04	2.53E-04	4.61E-04
4201	491863.09, 3855877.25	0.0054	0.00625	8.46E-04	1.02E-03	7.97E-04	8.16E-04	7.70E-04	2.24E-04	2.59E-04	4.83E-04	2.19E-04	2.53E-04	4.72E-04	2.16E-04	2.50E-04	4.65E-04
4202	492363.09, 3855877.25	0.00511	0.00588	8.00E-04	9.60E-04	7.54E-04	7.72E-04	7.29E-04	2.12E-04	2.44E-04	4.56E-04	2.07E-04	2.38E-04	4.45E-04	2.04E-04	2.35E-04	4.39E-04
4203	492863.09, 3855877.25	0.00486	0.00554	7.61E-04	9.04E-04	7.17E-04	7.35E-04	6.93E-04	2.02E-04	2.30E-04	4.31E-04	1.97E-04	2.24E-04	4.21E-04	1.94E-04	2.21E-04	4.15E-04
4204	493363.09, 3855877.25	0.00423	0.00482	6.63E-04	7.87E-04	6.24E-04	6.39E-04	6.03E-04	1.75E-04	2.00E-04	3.75E-04	1.71E-04	1.95E-04	3.66E-04	1.69E-04	1.93E-04	3.62E-04
4205	493863.09, 3855877.25	0.00364	0.00402	5.70E-04	6.56E-04	5.37E-04	5.50E-04	5.19E-04	1.51E-04	1.67E-04	3.18E-04	1.47E-04	1.63E-04	3.10E-04	1.45E-04	1.61E-04	3.06E-04
4206	494363.09, 3855877.25	0.00315	0.00336	4.93E-04	5.48E-04	4.65E-04	4.76E-04	4.49E-04	1.31E-04	1.39E-04	2.70E-04	1.28E-04	1.36E-04	2.64E-04	1.26E-04	1.34E-04	2.60E-04
4207	494863.09, 3855877.25	0.00283	0.00294	4.43E-04	4.80E-04	4.18E-04	4.28E-04	4.04E-04	1.17E-04	1.22E-04	2.39E-04	1.15E-04	1.19E-04	2.34E-04	1.13E-04	1.17E-04	2.30E-04
4208	495363.09, 3855877.25	0.0025	0.00255	3.92E-04	4.16E-04	3.69E-04	3.78E-04	3.56E-04	1.04E-04	1.06E-04	2.10E-04	1.01E-04	1.03E-04	2.04E-04	9.99E-05	1.02E-04	2.02E-04
4209	495863.09, 3855877.25	0.00246	0.0025	3.85E-04	4.08E-04	3.63E-04	3.72E-04	3.51E-04	1.02E-04	1.04E-04	2.06E-04	9.96E-05	1.01E-04	2.01E-04	9.83E-05	9.99E-05	1.98E-04
4210	496363.09, 3855877.25	0.00243	0.00247	3.81E-04	4.03E-04	3.59E-04	3.67E-04	3.46E-04	1.01E-04	1.02E-04	2.03E-04	9.84E-05	1.00E-04	1.98E-04	9.71E-05	9.87E-05	1.96E-04
4211	496863.09, 3855877.25	0.00245	0.00249	3.84E-04	4.06E-04	3.62E-04	3.70E-04	3.49E-04	1.02E-04	1.03E-04	2.05E-04	9.92E-05	1.01E-04	2.00E-04	9.79E-05	9.95E-05	1.97E-04
4212	497363.09, 3855877.25	0.00248	0.00252	3.88E-04	4.11E-04	3.66E-04	3.75E-04	3.54E-04	1.03E-04	1.05E-04	2.07E-04	1.00E-04	1.02E-04	2.02E-04	9.91E-05	1.01E-04	2.00E-04
4213	497863.09, 3855877.25	0.00254	0.00257	3.98E-04	4.19E-04	3.75E-04	3.84E-04	3.62E-04	1.05E-04	1.07E-04	2.12E-04	1.03E-04	1.04E-04	2.07E-04	1.01E-04	1.03E-04	2.04E-04
4214	498363.09, 3855877.25	0.00266	0.00272	4.17E-04	4.44E-04	3.93E-04	4.02E-04	3.79E-04	1.10E-04	1.13E-04	2.23E-04	1.08E-04	1.10E-04	2.18E-04	1.06E-04	1.09E-04	2.15E-04
4215	471363.09, 3856377.25	0.00132	0.00134	2.07E-04	2.19E-04	1.95E-04	2.00E-04	1.88E-04	5.48E-05	5.56E-05	1.10E-04	5.34E-05	5.42E-05	1.08E-04	5.27E-05	5.35E-05	1.06E-04
4216	471863.09, 3856377.25	0.00135	0.00137	2.11E-04	2.24E-04	1.99E-04	2.04E-04	1.92E-04	5.60E-05	5.68E-05	1.13E-04	5.47E-05	5.55E-05	1.10E-04	5.39E-05	5.47E-05	1.09E-04
4217	472363.09, 3856377.25	0.00141	0.00143	2.21E-04	2.33E-04	2.08E-04	2.13E-04	2.01E-04	5.85E-05	5.93E-05	1.18E-04	5.71E-05	5.79E-05	1.15E-04	5.63E-05	5.71E-05	1.13E-04
4218	472863.09, 3856377.25	0.00146	0.00149	2.29E-04	2.43E-04	2.15E-04	2.21E-04	2.08E-04	6.06E-05	6.18E-05	1.22E-04	5.91E-05	6.03E-05	1.19E-04	5.83E-05	5.95E-05	1.18E-04
4219	473363.09, 3856377.25	0.00151	0.00154	2.37E-04	2.51E-04	2.23E-04	2.28E-04	2.15E-04	6.26E-05	6.39E-05	1.27E-04	6.11E-05	6.23E-05	1.23E-04	6.03E-05	6.15E-05	1.22E-04
4220	473863.09, 3856377.25	0.00159	0.00162	2.49E-04	2.64E-04	2.35E-04	2.40E-04	2.27E-04	6.60E-05	6.72E-05	1.33E-04	6.44E-05	6.56E-05	1.30E-04	6.35E-05	6.47E-05	1.28E-04
4221	474363.09, 3856377.25	0.00158	0.00162	2.48E-04	2.64E-04	2.33E-04	2.39E-04	2.25E-04	6.56E-05	6.72E-05	1.33E-04	6.40E-05	6.56E-05	1.30E-04	6.31E-05	6.47E-05	1.28E-04
4222	474863.09, 3856377.25	0.00153	0.00158	2.40E-04	2.58E-04	2.26E-04	2.31E-04	2.18E-04	6.35E-05	6.56E-05	1.29E-04	6.19E-05	6.40E-05	1.26E-04	6.11E-05	6.31E-05	1.24E-04
4223	475363.09, 3856377.25	0.00142	0.00146	2.22E-04	2.38E-04	2.10E-04	2.15E-04	2.02E-04	5.89E-05	6.06E-05	1.19E-04	5.75E-05	5.91E-05	1.17E-04	5.67E-05	5.83E-05	1.15E-04
4224	475863.09, 3856377.25	0.00129	0.0013	2.02E-04	2.12E-04	1.90E-04	1.95E-04	1.84E-04	5.35E-05	5.39E-05	1.07E-04	5.22E-05	5.26E-05	1.05E-04	5.15E-05	5.19E-05	1.03E-04
4225	476363.09, 3856377.25	0.00129	0.0013	2.02E-04	2.12E-04	1.90E-04	1.95E-04	1.84E-04	5.35E-05	5.39E-05	1.07E-04	5.22E-05	5.26E-05	1.05E-04	5.15E-05	5.19E-05	1.03E-04
4226	476863.09, 3856377.25	0.00133	0.00133	2.08E-04	2.17E-04	1.96E-04	2.01E-04	1.90E-04	5.52E-05	5.52E-05	1.10E-04	5.38E-05	5.38E-05	1.08E-04	5.31E-05	5.31E-05	1.06E-04
4227	477363.09, 3856377.25	0.0014	0.00139	2.19E-04	2.27E-04	2.07E-04	2.12E-04	2.00E-04	5.81E-05	5.77E-05	1.16E-04	5.67E-05	5.63E-05	1.13E-04	5.59E-05	5.55E-05	1.11E-04
4228	477863.09, 3856377.25	0.00137	0.00134	2.15E-04	2.19E-04	2.02E-04	2.07E-04	1.95E-04	5.68E-05	5.56E-05	1.12E-04	5.55E-05	5.42E-05	1.10E-04	5.47E-05	5.35E-05	1.08E-04
4229	478363.09, 3856377.25	0.00139	0.00134	2.18E-04	2.19E-04	2.05E-04	2.10E-04	1.98E-04	5.77E-05	5.56E-05	1.13E-04	5.63E-05	5.42E-05	1.11E-04	5.55E-05	5.35E-05	1.09E-04
4230	478863.09, 3856377.25	0.00168	0.00166	2.63E-04	2.71E-04	2.48E-04	2.54E-04	2.40E-04	6.97E-05	6.89E-05	1.39E-04	6.80E-05	6.72E-05	1.35E-04	6.71E-05	6.63E-05	1.33E-04
4231	479363.09, 3856377.25	0.00185	0.00185	2.90E-04	3.02E-04	2.73E-04	2.80E-04	2.64E-04	7.68E-05	7.68E-05	1.54E-04	7.49E-05	7.49E-05	1.50E-04	7.39E-05	7.39E-05	1.48E-04
4232	479863.09, 3856377.25	0.00217	0.00225	3.40E-04	3.67E-04	3.20E-04	3.28E-04	3.09E-04	9.00E-05	9.33E-05	1.83E-04	8.79E-05	9.11E-05	1.79E-04	8.67E-05	8.99E-05	1.77E-04
4233	480363.09, 3856377.25	0.00255	0.00264	3.99E-04	4.31E-04	3.76E-04	3.85E-04	3.64E-04	1.06E-04	1.10E-04	2.15E-04	1.03E-04	1.07E-04	2.10E-04	1.02E-04	1.05E-04	2.07E-04
4234	480863.09, 3856377.25	0.00296	0.00298	4.64E-04	4.86E-04	4.37E-04	4.47E-04	4.22E-04	1.23E-04	1.24E-04	2.46E-04	1.20E-04	1.21E-04	2.40E-04	1.18E-04	1.19E-04	2.37E-04
4235	481363.09, 3856377.25	0.00353	0.00329	5.53E-04	5.37E-04	5.21E-04	5.34E-04	5.03E-04	1.46E-04	1.36E-04	2.83E-04	1.43E-04	1.33E-04	2.76E-04	1.41E-04	1.31E-04	2.72E-04
4236	481863.09, 3856377.25	0.00431	0.00358	6.75E-04	5.84E-04	6.36E-04	6.52E-04	6.15E-04	1.79E-04	1.49E-04	3.27E-04	1.74E-04	1.45E-04	3.19E-04	1.72E-04	1.43E-04	3.15E-04
4237	482363.09, 3856377.25	0.00501	0.00377	7.85E-04	6.15E-04	7.39E-04	7.57E-04	7.14E-04	2.08E-04	1.56E-04	3.64E-04	2.03E-04	1.53E-04	3.55E-04	2.00E-04	1.51E-04	3.51E-04
4238	482863.09, 3856377.25	0.0059	0.00407	9.24E-04	6.64E-04	8.71E-04	8.92E-04	8.41E-04	2.45E-04	1.69E-04	4.14E-04	2.39E-04	1.65E-04	4.04E-04	2.36E-04	1.63E-04	3.98E-04
4239	483363.09, 3856377.25	0.00726	0.00444	1.14E-03	7.25E-04	1.07E-03	1.10E-03	1.04E-03	3.01E-04	1.84E-04	4.85E-04	2.94E-04	1.80E-04	4.74E-04	2.90E-04	1.77E-04	4.67E-04
4240	483863.09, 3856377.25	0.01007	0.00503	1.58E-03	8.21E-04	1.49E-03	1.52E-03	1.44E-03	4.18E-04	2.09E-04	6.26E-04	4.08E-04	2.04E-04	6.11E-04	4.02E-04	2.01E-04	6.03E-04
4241	484363.09, 3856377.25	0.01851	0.00608	2.90E-03	9.92E-04	2.73E-03	2.80E-03	2.64E-03	7.68E-04	2.52E-04	1.02E-03	7.49E-04	2.46E-04	9.96E-04	7.39E-04	2.43E-04	9.82E-04
4242	484863.09, 3856377.25	0.19021	0.0078	2.98E-02	1.27E-03	2.81E-02	2.88E-02	2.71E-02	7.89E-03	3.24E-04	8.22E-03	7.70E-03	3.16E-04	8.02E-03	7.60E-03	3.12E-04	7.91E-03
4243	485363.09, 3856377.25	0.05315	0.01153	8.33E-03	1.88E-03	7.84E-03	8.03E-03	7.58E-03	2.21E-03	4.78E-04	2.68E-03	2.15E-03	4.67E-04	2.62E-03	2.12E-03	4.61E-04	2.58E-03
4244	485863.09, 3856377.25	0.02549	0.0289	3.99E-03	4.72E-03	3.76E-03	3.85E-03	3.63E-03	1.06E-03	1.20E-03	2.26E-03	1.03E-03	1.17E-03	2.20E-03	1.02E-03	1.15E-03	2.17E-03
4245	486363.09, 3856377.25	0.01554	0.11034	2.43E-03	1.80E-02	2.29E-03	2.35E-03	2.22E-03	6.45E-04	4.58E-03	5.22E-03	6.29E-04	4.47E-03	5.10E-03	6.21E-04	4.41E-03	5.03E-03
4246	486863.09, 3856377.25	0.01267	0.03485	1.98E-03	5.69E-03	1.87E-03	1.92E-03	1.81E-03	5.26E-04	1.45E-03	1.97E-03	5.13E-04	1.41E-03	1.92E-03	5.06E-04	1.39E-03	1.90E-03
4247	487363.09, 3856377.25	0.01113	0.02168	1.74E-03	3.54E-03	1.64E-03	1.68E-03	1.59E-03	4.62E-04	8.99E-04	1.36E-03	4.51E-04	8.78E-04	1.33E-03	4.45E-04	8.66E-04	1.31E-03
4248	487863.09, 3856377.25	0.01022	0.01626	1.60E-03	2.65E-03	1.51E-03	1.54E-03	1.46E-03	4.24E-04	6.75E-04	1.10E-03	4.14E-04	6.58E-04	1.07E-03	4.08E-04	6.50E-04	1.06E-03
4249	488363.09, 3856377.25	0.00939	0.01332	1.47E-03	2.17E-03	1.39E-03	1.42E-03	1.34E-03	3.90E-04	5.53E-04	9.42E-04	3.80E-04	5.39E-04	9.19E-04	3.75E-04	5.32E-04	9.07E-04
4250	488863.09, 3856377.25	0.00866	0.01138	1.36E-03	1.86E-03	1.28E-03	1.31E-03	1.23E-03	3.59E-04	4.72E-04	8.31E-04	3.51E-04	4.61E-04	8.11E-04	3.46E-04	4.55E-04	8.01E-04
4251	489363.09, 3856377.25	0.00803	0.01001	1.26E-03	1.63E-03	1.19E-03	1.21E-03	1.14E-03	3.33E-04	4.15E-04	7.48E-04	3.25E-04	4.05E-04	7.30E-04	3.21E-04	4.00E-04	7.21E-04
4252	489863.09, 3856377.25	0.00748	0.00896	1.17E-03	1.46E-03	1.10E-03	1.13E-03	1.07E-03	3.10E-04	3.72E-04	6.82E-04	3.03E-04	3.63E-04	6.66E-04	2.99E-04	3.58E-04	6.57E-04
4253	490363.09, 3856377.25	0.00694	0.00814	1.09E-03	1.33E-03	1.02E-03	1.05E-03	9.90E-04	2.88E-04	3.38E-04	6.26E-04	2.81E-04	3.30E-04	6.11E-04	2.77E-04	3.25E-04	6.02E-04
4254	490863.09, 3856377.25	0.00646	0.0075	1.01E-03	1.22E-03	9.53E-04	9.77E-04	9.21E-04	2.68E-04	3.11E-04	5.79E-04	2.62E-04	3.04E-04	5.65E-04	2.58E-04	3.00E-04	5.58E-04
4255	491363.09, 3856377.25	0.00611	0.00698	9.57E-04	1.14E-03	9.02E-04	9.24E-04	8.71E-04	2.53E-04	2.90E-04	5.43E-04	2.47E-04	2.83E-04	5.30E-04	2.44E-04	2.79E-04	5.23E-04
4256	491863.09, 3856377.25	0.00577	0.00652	9.04E-04	1.06E-03	8.52E-04	8.72E-04	8.23E-04	2.39E-04	2.71E-04	5.10E-04	2.34E-04	2.64E-04	4.98E-04	2.30E-04	2.60E-04	4.91E-04
4257	492363.09, 3856377.25	0.00537	0.00606	8.41E-04	9.89E-04	7.93E-04	8.12E-04	7.66E-04	2.23E-04	2.51E-04	4.74E-04	2.17E-04	2.45E-04	4.63E-04	2.15E-04	2.42E-04	4.57E-04
4258	492863.09, 3856377.25	0.00477	0.0054	7.47E-04	8.81E-04	7.04E-04	7.21E-04	6.80E-04	1.98E-04	2.24E-04	4.22E-04	1.93E-04	2.19E-04	4.12E-04	1.91E-04	2.16E-04	4.06E-04
4259	493363.09, 3856377.25	0.00389	0.00426	6.09E-04	6.95E-04	5.74E-04	5.88E-04	5.55E-04	1.61E-04	1.77E-04	3.38E-04	1.57E-04	1.72E-04	3.30E-04	1.55E-04	1.70E-04	3.26E-04
4260	493863.09, 3856377.25	0.0035	0.00373	5.48E-04	6.09E-04	5.17E-04	5.29E-04	4.99E-04	1.45E-04	1.55E-04	3.00E-04	1.42E-04	1.51E-04	2.93E-04	1.40E-04	1.49E-04	2.89E-04
4261	494363.09, 3856377.25	0.00308	0.00318	4.82E-04	5.19E-04	4.55E-04	4.66E-04	4.39E-04	1.28E-04	1.32E-04	2.60E-04	1.25E-04	1.29E-04	2.53E-04	1.23E-04	1.27E-04	2.50E-04
4262	494863.09, 3856377.25	0.00276	0.0028	4.32E-04	4.57E-04	4.07E-04	4.17E-04	3.94E-04	1.15E-04	1.16E-04	2.31E-04	1.12E-04	1.13E-04	2.25E-04	1.10E-04	1.12E-04	2.22E-04
4263	495363.09, 3856377.25	0.00256	0.00257	4.01E-04	4.19E-04	3.78E-04	3.87E-04	3.65E-04	1.06E-04	1.07E-04	2.13E-04	1.04E-04	1.04E-04	2.08E-04	1.02E-04	1.03E-04	2.05E-04
4264	495863.09, 3856377.25	0.00251	0.00252	3.93E-04	4.11E-04	3.70E-04	3.79E-04	3.58E-04	1.04E-04	1.05E-04	2.09E-04	1.02E-04	1.02E-04	2.04E-04	1.00E-04	1.01E-04	2.01E-04
4265	496363.09, 3856377.25	0.00251	0.00252	3.93E-04	4.11E-04	3.70E-04	3.79E-04	3.58E-04	1.04E-04	1.05E-04	2.09E-04	1.02E-04	1.02E-04	2.04E-04	1.00E-04	1.01E-04	2.01E-04
4266	496863.09, 3856377.25	0.00256	0.00258	4.01E-04	4.21E-04	3.78E-04	3.87E-04	3.65E-04	1.06E-04	1.07E-04	2.13E-04	1.04E-04	1.04E-04	2.08E-04	1.02E-04	1.03E-04	2.05E-04
4267	497363.09, 3856377.25	0.00262	0.00264	4.10E-04	4.31E-04	3.87E-04	3.96E-04	3.74E-04	1.09E-04	1.10E-04	2.18E-04	1.06E-04	1.07E-04	2.13E-04	1.05E-04	1.05E-04	2.10E-04
4268	497863.09, 3856377.25	0.0027	0.00274	4.23E-04	4.47E-04	3.98E-04	4.08E-04	3.85E-04	1.12E-04	1.14E-04	2.26E-04	1.09E-04	1.11E-04	2.20E-04	1.08E-04	1.09E-04	2.17E-04
4269	498363.09, 3856377.25	0.00281	0.00287	4.40E-04	4.68E-04	4.15E-04	4.25E-04	4.01E-04	1.17E-04	1.19E-04	2.36E-04	1.14E-04	1.16E-04	2.30E-04	1.12E-04	1.15E-04	2.27E-04
4270	471363.09, 3856877.25	0.00128	0.0013	2.01E-04	2.12E-04	1.89E-04	1.93E-04	1.83E-04	5.31E-05	5.39E-05	1.07E-04	5.18E-05	5.26E-05	1.04E-04	5.11E-05	5.19E-05	1.03E-04
4271	471863.09, 3856877.25	0.0013	0.00133	2.04E-04	2.17E-04	1.92E-04	1.97E-04	1.85E-04	5.39E-05	5.52E-05	1.09E-04	5.26E-05	5.38E-05	1.06E-04	5.19E-05	5.31E-05	1.05E-04
4272	472363.09, 3856877.25	0.00134	0.00137	2.10E-04	2.24E-04	1.98E-04	2.03E-04	1.91E-04	5.56E-05	5.68E-05	1.12E-04	5.42E-05	5.55E-05	1.10E-04	5.35E-05	5.47E-05	1.08E-04
4273	472863.09, 3856877.25	0.00138	0.00141	2.16E-04	2.30E-04	2.04E-04	2.09E-04	1.97E-04	5.73E-05	5.85E-05	1.16E-04	5.59E-05	5.71E-05	1.13E-04	5.51E-05	5.63E-05	1.11E-04
4274	473363.09, 3856877.25	0.00146	0.00149	2.29E-04	2.43E-04	2.15E-04	2.21E-04	2.08E-04	6.06E-05	6.18E-05	1.22E-04	5.91E-05	6.03E-05	1.19E-04	5.83E-05	5.95E-05	1.18E-04
4275	473863.09, 3856877.25	0.00151	0.00154	2.37E-04	2.51E-04	2.23E-04	2.28E-04	2.15E-04	6.26E-05	6.39E-05	1.27E-04	6.11E-05	6.23E-05	1.23E-04	6.03E-05	6.15E-05	1.22E-04
4276	474363.09, 3856877.25	0.00151	0.00155	2.37E-04	2.53E-04	2.23E-04	2.28E-04	2.15E-04	6.26E-05	6.43E-05	1.27E-04	6.11E-05	6.28E-05	1.24E-04	6.03E-05	6.19E-05	1.22E-04
4277	474863.09, 3856877.25	0.00147	0.00152	2.30E-04	2.48E-04	2.17E-04	2.22E-04	2.10E-04	6.10E-05	6.31E-05	1.24E-04	5.95E-05	6.15E-05	1.21E-04	5.87E-05	6.07E-05	1.19E-04
4278	475363.09, 3856877.25	0.0014	0.00145	2.19E-04	2.37E-04	2.07E-04	2.12E-04	2.00E-04	5.81E-05	6.02E-05	1.18E-04	5.67E-05	5.87E-05	1.15E-04	5.59E-05	5.79E-05	1.14E-04
4279	475863.09, 3856877.25	0.00141	0.00145	2.21E-04	2.37E-04	2.08E-04	2.13E-04	2.01E-04	5.85E-05	6.02E-05	1.19E-04	5.71E-05	5.87E-05	1.16E-04	5.63E-05	5.79E-05	1.14E-04
4280	476363.09, 3856877.25	0.00136	0.00139	2.13E-04	2.27E-04	2.01E-04	2.06E-04	1.94E-04	5.64E-05	5.77E-05	1.14E-04	5.51E-05	5.63E-05	1.11E-04	5.43E-05	5.55E-05	1.10E-04
4281	476863.09, 3856877.25	0.00137	0.00139	2.15E-04	2.27E-04	2.02E-04	2.07E-04	1.95E-04	5.68E-05	5.77E-05	1.15E-04	5.55E-05	5.63E-05	1.12E-04	5.47E-05	5.55E-05	1.10E-04
4282	477363.09, 3856877.25	0.00136	0.00137	2.13E-04	2.24E-04	2.01E-04	2.06E-04	1.94E-04	5.64E-05	5.68E-05	1.13E-04	5.51E-05	5.55E-05	1.11E-04	5.43E-05	5.47E-05	1.09E-04
4283	477863.09, 3856877.25	0.00129	0.00127	2.02E-04	2.07E-04	1.90E-04	1.95E-04	1.84E-04	5.35E-05	5.27E-05	1.06E-04	5.22E-05	5.14E-05	1.04E-04	5.15E-05	5.07E-05	1.02E-04
4284	478363.09, 3856877.25	0.0013	0.00126	2.04E-04	2.06E-04	1.92E-04	1.97E-04	1.85E-04	5.39E-05	5.23E-05	1.06E-04	5.26E-05	5.10E-05	1.04E-04	5.19E-05	5.03E-05	1.02E-04
4285	478863.09, 3856877.25	0.00142	0.00138	2.22E-04	2.25E-04	2.10E-04	2.15E-04	2.02E-04	5.89E-05	5.73E-05	1.16E-04	5.75E-05	5.59E-05	1.13E-04	5.67E-05	5.51E-05	1.12E-04
4286	479363.09, 3856877.25	0.00156	0.00154	2.44E-04	2.51E-04	2.30E-04	2.36E-04	2.22E-04	6.47E-05	6.39E-05	1.29E-04	6.32E-05	6.23E-05	1.26E-04	6.23E-05	6.15E-05	1.24E-04
4287	479863.09, 3856877.25	0.002	0.00208	3.13E-04	3.40E-04	2.95E-04	3.02E-04	2.85E-04	8.30E-05	8.63E-05	1.69E-04	8.10E-05	8.42E-05	1.65E-04	7.99E-05	8.31E-05	1.63E-04
4288	480363.09, 3856877.25	0.00239	0.00248	3.74E-04	4.05E-04	3.53E-04	3.61E-04	3.41E-04	9.92E-05	1.03E-04	2.02E-04	9.68E-05	1.00E-04	1.97E-04	9.55E-05	9.91E-05	1.95E-04

4289	480863.09, 3856877.25	0.00288	0.00283	4.51E-04	4.62E-04	4.25E-04	4.35E-04	4.11E-04	1.19E-04	1.17E-04	2.37E-04	1.17E-04	1.15E-04	2.31E-04	1.15E-04	1.13E-04	2.28E-04
4290	481363.09, 3856877.25	0.00335	0.00305	5.25E-04	4.98E-04	4.94E-04	5.06E-04	4.78E-04	1.39E-04	1.27E-04	2.66E-04	1.36E-04	1.23E-04	2.59E-04	1.34E-04	1.22E-04	2.56E-04
4291	481863.09, 3856877.25	0.00373	0.00325	5.84E-04	5.30E-04	5.51E-04	5.64E-04	5.32E-04	1.55E-04	1.35E-04	2.90E-04	1.51E-04	1.32E-04	2.83E-04	1.49E-04	1.30E-04	2.79E-04
4292	482363.09, 3856877.25	0.00439	0.00344	6.88E-04	5.62E-04	6.48E-04	6.64E-04	6.26E-04	1.82E-04	1.43E-04	3.25E-04	1.78E-04	1.39E-04	3.17E-04	1.75E-04	1.37E-04	3.13E-04
4293	482863.09, 3856877.25	0.00497	0.00368	7.79E-04	6.01E-04	7.34E-04	7.51E-04	7.09E-04	2.06E-04	1.53E-04	3.59E-04	2.01E-04	1.49E-04	3.50E-04	1.99E-04	1.47E-04	3.46E-04
4294	483363.09, 3856877.25	0.00575	0.00399	9.01E-04	6.51E-04	8.49E-04	8.69E-04	8.20E-04	2.39E-04	1.66E-04	4.04E-04	2.33E-04	1.62E-04	3.94E-04	2.30E-04	1.59E-04	3.89E-04
4295	483863.09, 3856877.25	0.00699	0.00439	1.09E-03	7.17E-04	1.03E-03	1.06E-03	9.97E-04	2.90E-04	1.82E-04	4.72E-04	2.83E-04	1.78E-04	4.61E-04	2.79E-04	1.75E-04	4.55E-04
4296	484363.09, 3856877.25	0.00954	0.005	1.49E-03	8.16E-04	1.41E-03	1.44E-03	1.36E-03	3.96E-04	2.07E-04	6.03E-04	3.86E-04	2.02E-04	5.89E-04	3.81E-04	2.00E-04	5.81E-04
4297	484863.09, 3856877.25	0.0154	0.00595	2.41E-03	9.71E-04	2.27E-03	2.33E-03	2.20E-03	6.39E-04	2.47E-04	8.86E-04	6.23E-04	2.41E-04	8.64E-04	6.15E-04	2.38E-04	8.53E-04
4298	485363.09, 3856877.25	0.05759	0.00759	9.02E-03	1.24E-03	8.50E-03	8.71E-03	8.21E-03	2.39E-03	3.15E-04	2.70E-03	2.33E-03	3.07E-04	2.64E-03	2.30E-03	3.03E-04	2.60E-03
4299	485863.09, 3856877.25	0.07509	0.01109	1.18E-02	1.81E-03	1.11E-02	1.14E-02	1.07E-02	3.12E-03	4.60E-04	3.58E-03	3.04E-03	4.49E-04	3.49E-03	3.00E-03	4.43E-04	3.44E-03
4300	486363.09, 3856877.25	0.02467	0.02733	3.86E-03	4.46E-03	3.64E-03	3.73E-03	3.52E-03	1.02E-03	1.13E-03	2.16E-03	9.99E-04	1.11E-03	2.11E-03	9.85E-04	1.09E-03	2.08E-03
4301	486863.09, 3856877.25	0.01781	0.12813	2.79E-03	2.09E-02	2.63E-03	2.69E-03	2.54E-03	7.39E-04	5.32E-03	6.05E-03	7.21E-04	5.19E-03	5.91E-03	7.11E-04	5.12E-03	5.83E-03
4302	487363.09, 3856877.25	0.0148	0.03616	2.32E-03	5.90E-03	2.18E-03	2.24E-03	2.11E-03	6.14E-04	1.50E-03	2.11E-03	5.99E-04	1.46E-03	2.06E-03	5.91E-04	1.44E-03	2.04E-03
4303	487863.09, 3856877.25	0.01287	0.02205	2.02E-03	3.60E-03	1.90E-03	1.95E-03	1.84E-03	5.34E-04	9.15E-04	1.45E-03	5.21E-04	8.93E-04	1.41E-03	5.14E-04	8.81E-04	1.39E-03
4304	488363.09, 3856877.25	0.01159	0.01636	1.82E-03	2.67E-03	1.71E-03	1.75E-03	1.65E-03	4.81E-04	6.79E-04	1.16E-03	4.69E-04	6.62E-04	1.13E-03	4.63E-04	6.54E-04	1.12E-03
4305	488863.09, 3856877.25	0.01046	0.01332	1.64E-03	2.17E-03	1.54E-03	1.58E-03	1.49E-03	4.34E-04	5.53E-04	9.87E-04	4.23E-04	5.39E-04	9.63E-04	4.18E-04	5.32E-04	9.50E-04
4306	489363.09, 3856877.25	0.00958	0.01142	1.50E-03	1.86E-03	1.41E-03	1.45E-03	1.37E-03	3.97E-04	4.74E-04	8.71E-04	3.88E-04	4.62E-04	8.50E-04	3.83E-04	4.56E-04	8.39E-04
4307	489863.09, 3856877.25	0.00877	0.01006	1.37E-03	1.64E-03	1.29E-03	1.33E-03	1.25E-03	3.64E-04	4.17E-04	7.81E-04	3.55E-04	4.07E-04	7.62E-04	3.50E-04	4.02E-04	7.52E-04
4308	490363.09, 3856877.25	0.00799	0.009	1.25E-03	1.47E-03	1.18E-03	1.21E-03	1.14E-03	3.31E-04	3.73E-04	7.05E-04	3.23E-04	3.64E-04	6.88E-04	3.19E-04	3.60E-04	6.79E-04
4309	490863.09, 3856877.25	0.00735	0.00814	1.15E-03	1.33E-03	1.08E-03	1.11E-03	1.05E-03	3.05E-04	3.38E-04	6.43E-04	2.98E-04	3.30E-04	6.27E-04	2.94E-04	3.25E-04	6.19E-04
4310	491363.09, 3856877.25	0.0068	0.00743	1.07E-03	1.21E-03	1.00E-03	1.03E-03	9.70E-04	2.82E-04	3.08E-04	5.90E-04	2.75E-04	3.01E-04	5.76E-04	2.72E-04	2.97E-04	5.68E-04
4311	491863.09, 3856877.25	0.00628	0.00683	9.84E-04	1.11E-03	9.27E-04	9.49E-04	8.95E-04	2.61E-04	2.83E-04	5.44E-04	2.54E-04	2.77E-04	5.31E-04	2.51E-04	2.73E-04	5.24E-04
4312	492363.09, 3856877.25	0.00533	0.0059	8.35E-04	9.63E-04	7.87E-04	8.06E-04	7.60E-04	2.21E-04	2.45E-04	4.66E-04	2.16E-04	2.39E-04	4.55E-04	2.13E-04	2.36E-04	4.49E-04
4313	492863.09, 3856877.25	0.00467	0.00511	7.32E-04	8.34E-04	6.89E-04	7.06E-04	6.66E-04	1.94E-04	2.12E-04	4.06E-04	1.89E-04	2.07E-04	3.96E-04	1.87E-04	2.04E-04	3.91E-04
4314	493363.09, 3856877.25	0.00406	0.00432	6.36E-04	7.05E-04	5.99E-04	6.14E-04	5.79E-04	1.68E-04	1.79E-04	3.48E-04	1.64E-04	1.75E-04	3.39E-04	1.62E-04	1.73E-04	3.35E-04
4315	493863.09, 3856877.25	0.00348	0.00359	5.45E-04	5.86E-04	5.14E-04	5.26E-04	4.96E-04	1.44E-04	1.49E-04	2.93E-04	1.41E-04	1.45E-04	2.86E-04	1.39E-04	1.43E-04	2.82E-04
4316	494363.09, 3856877.25	0.00307	0.00309	4.81E-04	5.04E-04	4.53E-04	4.64E-04	4.38E-04	1.27E-04	1.28E-04	2.56E-04	1.24E-04	1.25E-04	2.49E-04	1.23E-04	1.23E-04	2.46E-04
4317	494863.09, 3856877.25	0.00287	0.00286	4.50E-04	4.67E-04	4.24E-04	4.34E-04	4.09E-04	1.19E-04	1.19E-04	2.38E-04	1.16E-04	1.16E-04	2.32E-04	1.15E-04	1.14E-04	2.29E-04
4318	495363.09, 3856877.25	0.00275	0.00273	4.31E-04	4.46E-04	4.06E-04	4.16E-04	3.92E-04	1.14E-04	1.13E-04	2.27E-04	1.11E-04	1.11E-04	2.22E-04	1.10E-04	1.09E-04	2.19E-04
4319	495863.09, 3856877.25	0.00271	0.0027	4.25E-04	4.41E-04	4.00E-04	4.10E-04	3.86E-04	1.12E-04	1.12E-04	2.24E-04	1.10E-04	1.09E-04	2.19E-04	1.08E-04	1.08E-04	2.16E-04
4320	496363.09, 3856877.25	0.00269	0.00268	4.21E-04	4.37E-04	3.97E-04	4.07E-04	3.84E-04	1.12E-04	1.11E-04	2.23E-04	1.09E-04	1.08E-04	2.17E-04	1.07E-04	1.07E-04	2.15E-04
4321	496863.09, 3856877.25	0.00272	0.00271	4.26E-04	4.42E-04	4.01E-04	4.11E-04	3.88E-04	1.13E-04	1.12E-04	2.25E-04	1.10E-04	1.10E-04	2.20E-04	1.09E-04	1.08E-04	2.17E-04
4322	497363.09, 3856877.25	0.00278	0.00278	4.35E-04	4.54E-04	4.10E-04	4.20E-04	3.96E-04	1.15E-04	1.15E-04	2.31E-04	1.13E-04	1.13E-04	2.25E-04	1.11E-04	1.11E-04	2.22E-04
4323	497863.09, 3856877.25	0.00291	0.00293	4.56E-04	4.78E-04	4.29E-04	4.40E-04	4.15E-04	1.21E-04	1.22E-04	2.42E-04	1.18E-04	1.19E-04	2.36E-04	1.16E-04	1.17E-04	2.33E-04
4324	498363.09, 3856877.25	0.00306	0.00311	4.79E-04	5.08E-04	4.52E-04	4.63E-04	4.36E-04	1.27E-04	1.29E-04	2.56E-04	1.24E-04	1.26E-04	2.50E-04	1.22E-04	1.24E-04	2.46E-04
4325	471363.09, 3857377.25	0.00125	0.00128	1.96E-04	2.09E-04	1.84E-04	1.89E-04	1.78E-04	5.19E-05	5.31E-05	1.05E-04	5.06E-05	5.18E-05	1.02E-04	4.99E-05	5.11E-05	1.01E-04
4326	471863.09, 3857377.25	0.00127	0.0013	1.99E-04	2.12E-04	1.87E-04	1.92E-04	1.81E-04	5.27E-05	5.39E-05	1.07E-04	5.14E-05	5.26E-05	1.04E-04	5.07E-05	5.19E-05	1.03E-04
4327	472363.09, 3857377.25	0.0013	0.00133	2.04E-04	2.17E-04	1.92E-04	1.97E-04	1.85E-04	5.39E-05	5.52E-05	1.09E-04	5.26E-05	5.38E-05	1.06E-04	5.19E-05	5.31E-05	1.05E-04
4328	472863.09, 3857377.25	0.00134	0.00137	2.10E-04	2.24E-04	1.98E-04	2.03E-04	1.91E-04	5.56E-05	5.68E-05	1.12E-04	5.42E-05	5.55E-05	1.10E-04	5.35E-05	5.47E-05	1.08E-04
4329	473363.09, 3857377.25	0.00139	0.00142	2.18E-04	2.32E-04	2.05E-04	2.10E-04	1.98E-04	5.77E-05	5.89E-05	1.17E-04	5.63E-05	5.75E-05	1.14E-04	5.55E-05	5.67E-05	1.12E-04
4330	473863.09, 3857377.25	0.00146	0.00148	2.29E-04	2.42E-04	2.15E-04	2.21E-04	2.08E-04	6.06E-05	6.14E-05	1.22E-04	5.91E-05	5.99E-05	1.19E-04	5.83E-05	5.91E-05	1.17E-04
4331	474363.09, 3857377.25	0.00142	0.00145	2.22E-04	2.37E-04	2.10E-04	2.15E-04	2.02E-04	5.89E-05	6.02E-05	1.19E-04	5.75E-05	5.87E-05	1.16E-04	5.67E-05	5.79E-05	1.15E-04
4332	474863.09, 3857377.25	0.00129	0.00134	2.02E-04	2.19E-04	1.90E-04	1.95E-04	1.84E-04	5.35E-05	5.56E-05	1.09E-04	5.22E-05	5.42E-05	1.06E-04	5.15E-05	5.35E-05	1.05E-04
4333	475363.09, 3857377.25	0.00117	0.00119	1.83E-04	1.94E-04	1.73E-04	1.77E-04	1.67E-04	4.85E-05	4.94E-05	9.79E-05	4.74E-05	4.82E-05	9.55E-05	4.67E-05	4.75E-05	9.43E-05
4334	475863.09, 3857377.25	0.00116	0.00118	1.82E-04	1.93E-04	1.71E-04	1.75E-04	1.65E-04	4.81E-05	4.90E-05	9.71E-05	4.70E-05	4.78E-05	9.47E-05	4.63E-05	4.71E-05	9.35E-05
4335	476363.09, 3857377.25	0.00127	0.00129	1.99E-04	2.11E-04	1.87E-04	1.92E-04	1.81E-04	5.27E-05	5.35E-05	1.06E-04	5.14E-05	5.22E-05	1.04E-04	5.07E-05	5.15E-05	1.02E-04
4336	476863.09, 3857377.25	0.00132	0.00134	2.07E-04	2.19E-04	1.95E-04	2.00E-04	1.88E-04	5.48E-05	5.56E-05	1.10E-04	5.34E-05	5.42E-05	1.08E-04	5.27E-05	5.35E-05	1.06E-04
4337	477363.09, 3857377.25	0.00131	0.00132	2.05E-04	2.15E-04	1.93E-04	1.98E-04	1.87E-04	5.43E-05	5.48E-05	1.09E-04	5.30E-05	5.34E-05	1.06E-04	5.23E-05	5.27E-05	1.05E-04
4338	477863.09, 3857377.25	0.00127	0.00126	1.99E-04	2.06E-04	1.87E-04	1.92E-04	1.81E-04	5.27E-05	5.23E-05	1.05E-04	5.14E-05	5.10E-05	1.02E-04	5.07E-05	5.03E-05	1.01E-04
4339	478363.09, 3857377.25	0.00124	0.0012	1.94E-04	1.96E-04	1.83E-04	1.87E-04	1.77E-04	5.14E-05	4.98E-05	1.01E-04	5.02E-05	4.86E-05	9.88E-05	4.95E-05	4.79E-05	9.75E-05
4340	478863.09, 3857377.25	0.00122	0.00118	1.91E-04	1.93E-04	1.80E-04	1.84E-04	1.74E-04	5.06E-05	4.90E-05	9.96E-05	4.94E-05	4.78E-05	9.72E-05	4.87E-05	4.71E-05	9.59E-05
4341	479363.09, 3857377.25	0.00141	0.00138	2.21E-04	2.25E-04	2.08E-04	2.13E-04	2.01E-04	5.85E-05	5.73E-05	1.16E-04	5.71E-05	5.59E-05	1.13E-04	5.63E-05	5.51E-05	1.11E-04
4342	479863.09, 3857377.25	0.0018	0.00187	2.82E-04	3.05E-04	2.66E-04	2.72E-04	2.57E-04	7.47E-05	7.76E-05	1.52E-04	7.29E-05	7.57E-05	1.49E-04	7.19E-05	7.47E-05	1.47E-04
4343	480363.09, 3857377.25	0.00177	0.0018	2.77E-04	2.94E-04	2.61E-04	2.68E-04	2.52E-04	7.34E-05	7.47E-05	1.48E-04	7.17E-05	7.29E-05	1.45E-04	7.07E-05	7.19E-05	1.43E-04
4344	480863.09, 3857377.25	0.0027	0.00265	4.23E-04	4.33E-04	3.98E-04	4.08E-04	3.85E-04	1.12E-04	1.10E-04	2.22E-04	1.09E-04	1.07E-04	2.17E-04	1.08E-04	1.06E-04	2.14E-04
4345	481363.09, 3857377.25	0.00282	0.00277	4.42E-04	4.52E-04	4.16E-04	4.26E-04	4.02E-04	1.17E-04	1.15E-04	2.32E-04	1.14E-04	1.12E-04	2.26E-04	1.13E-04	1.11E-04	2.23E-04
4346	481863.09, 3857377.25	0.00323	0.003	5.06E-04	4.90E-04	4.77E-04	4.88E-04	4.61E-04	1.34E-04	1.24E-04	2.58E-04	1.31E-04	1.21E-04	2.52E-04	1.29E-04	1.20E-04	2.49E-04
4347	482363.09, 3857377.25	0.00387	0.0032	6.06E-04	5.22E-04	5.71E-04	5.85E-04	5.52E-04	1.61E-04	1.33E-04	2.93E-04	1.57E-04	1.30E-04	2.86E-04	1.55E-04	1.28E-04	2.82E-04
4348	482863.09, 3857377.25	0.0043	0.00336	6.74E-04	5.48E-04	6.35E-04	6.50E-04	6.13E-04	1.78E-04	1.39E-04	3.18E-04	1.74E-04	1.36E-04	3.10E-04	1.72E-04	1.34E-04	3.06E-04
4349	483363.09, 3857377.25	0.0048	0.0036	7.52E-04	5.88E-04	7.08E-04	7.26E-04	6.84E-04	1.99E-04	1.49E-04	3.48E-04	1.94E-04	1.46E-04	3.40E-04	1.92E-04	1.44E-04	3.36E-04
4350	483863.09, 3857377.25	0.00556	0.00394	8.71E-04	6.43E-04	8.21E-04	8.40E-04	7.93E-04	2.31E-04	1.63E-04	3.94E-04	2.25E-04	1.60E-04	3.85E-04	2.22E-04	1.57E-04	3.79E-04
4351	484363.09, 3857377.25	0.00673	0.00436	1.05E-03	7.12E-04	9.93E-04	1.02E-03	9.60E-04	2.79E-04	1.81E-04	4.60E-04	2.72E-04	1.77E-04	4.49E-04	2.69E-04	1.74E-04	4.43E-04
4352	484863.09, 3857377.25	0.00888	0.00501	1.39E-03	8.18E-04	1.31E-03	1.34E-03	1.27E-03	3.68E-04	2.08E-04	5.76E-04	3.60E-04	2.03E-04	5.62E-04	3.55E-04	2.00E-04	5.55E-04
4353	485363.09, 3857377.25	0.01322	0.00587	2.07E-03	9.58E-04	1.95E-03	2.00E-03	1.88E-03	5.48E-04	2.44E-04	7.92E-04	5.35E-04	2.38E-04	7.73E-04	5.28E-04	2.34E-04	7.63E-04
4354	485863.09, 3857377.25	0.03136	0.00733	4.91E-03	1.20E-03	4.63E-03	4.74E-03	4.47E-03	1.30E-03	3.04E-04	1.61E-03	1.27E-03	2.97E-04	1.57E-03	1.25E-03	2.93E-04	1.55E-03
4355	486363.09, 3857377.25	0.11371	0.0109	1.78E-02	1.78E-03	1.68E-02	1.72E-02	1.62E-02	4.72E-03	4.52E-04	5.17E-03	4.60E-03	4.41E-04	5.04E-03	4.54E-03	4.35E-04	4.98E-03
4356	486863.09, 3857377.25	0.03128	0.02506	4.90E-03	4.09E-03	4.62E-03	4.73E-03	4.46E-03	1.30E-03	1.04E-03	2.34E-03	1.27E-03	1.01E-03	2.28E-03	1.25E-03	1.00E-03	2.25E-03
4357	487363.09, 3857377.25	0.02224	0.15224	3.48E-03	2.48E-02	3.28E-03	3.36E-03	3.17E-03	9.23E-04	6.32E-03	7.24E-03	9.00E-04	6.16E-03	7.06E-03	8.88E-04	6.08E-03	6.97E-03
4358	487863.09, 3857377.25	0.01809	0.03742	2.83E-03	6.11E-03	2.67E-03	2.73E-03	2.58E-03	7.51E-04	1.55E-03	2.30E-03	7.32E-04	1.51E-03	2.25E-03	7.23E-04	1.49E-03	2.22E-03
4359	488363.09, 3857377.25	0.01525	0.02245	2.39E-03	3.66E-03	2.25E-03	2.31E-03	2.17E-03	6.33E-04	9.31E-04	1.56E-03	6.17E-04	9.09E-04	1.53E-03	6.09E-04	8.97E-04	1.51E-03
4360	488863.09, 3857377.25	0.01331	0.01659	2.09E-03	2.71E-03	1.96E-03	2.01E-03	1.90E-03	5.52E-04	6.88E-04	1.24E-03	5.39E-04	6.72E-04	1.21E-03	5.32E-04	6.63E-04	1.19E-03
4361	489363.09, 3857377.25	0.01179	0.01346	1.85E-03	2.20E-03	1.74E-03	1.78E-03	1.68E-03	4.89E-04	5.58E-04	1.05E-03	4.77E-04	5.45E-04	1.02E-03	4.71E-04	5.38E-04	1.01E-03
4362	489863.09, 3857377.25	0.01047	0.01145	1.64E-03	1.87E-03	1.55E-03	1.58E-03	1.49E-03	4.34E-04	4.75E-04	9.09E-04	4.24E-04	4.64E-04	8.87E-04	4.18E-04	4.57E-04	8.76E-04
4363	490363.09, 3857377.25	0.00942	0.01006	1.48E-03	1.64E-03	1.39E-03	1.42E-03	1.34E-03	3.91E-04	4.17E-04	8.08E-04	3.81E-04	4.07E-04	7.89E-04	3.76E-04	4.02E-04	7.78E-04
4364	490863.09, 3857377.25	0.00856	0.00899	1.34E-03	1.47E-03	1.26E-03	1.29E-03	1.22E-03	3.55E-04	3.73E-04	7.28E-04	3.47E-04	3.64E-04	7.11E-04	3.42E-04	3.59E-04	7.01E-04
4365	491363.09, 3857377.25	0.00785	0.00813	1.23E-03	1.33E-03	1.16E-03	1.19E-03	1.12E-03	3.26E-04	3.37E-04	6.63E-04	3.18E-04	3.29E-04	6.47E-04	3.14E-04	3.25E-04	6.38E-04
4366	491863.09, 3857377.25	0.00697	0.00726	1.09E-03	1.19E-03	1.03E-03	1.05E-03	9.94E-04	2.89E-04	3.01E-04	5.90E-04	2.82E-04	2.94E-04	5.76E-04	2.78E-04	2.90E-04	5.68E-04
4367	492363.09, 3857377.25	0.00554	0.0059	8.68E-04	9.63E-04	8.18E-04	8.37E-04	7.90E-04	2.30E-04	2.45E-04	4.75E-04	2.24E-04	2.39E-04	4.63E-04	2.21E-04	2.36E-04	4.57E-04
4368	492863.09, 3857377.25	0.00458	0.00477	7.17E-04	7.79E-04	6.76E-04	6.92E-04	6.53E-04	1.90E-04	1.98E-04	3.88E-04	1.85E-04	1.93E-04	3.79E-04	1.83E-04	1.91E-04	3.74E-04
4369	493363.09, 3857377.25	0.00391	0.00395	6.13E-04	6.45E-04	5.77E-04	5.91E-04	5.58E-04	1.62E-04	1.64E-04	3.26E-04	1.58E-04	1.60E-04	3.18E-04	1.56E-04	1.58E-04	3.14E-04
4370	493863.09, 3857377.25	0.00362	0.00361	5.67E-04	5.89E-04	5.34E-04	5.47E-04	5.16E-04	1.50E-04	1.50E-04	3.00E-04	1.47E-04	1.46E-04	2.93E-04	1.45E-04	1.44E-04	2.89E-04
4371	494363.09, 3857377.25	0.00334	0.0033	5.23E-04	5.39E-04	4.93E-04	5.05E-04	4.76E-04	1.39E-04	1.37E-04	2.75E-04	1.35E-04	1.34E-04	2.69E-04	1.33E-04	1.32E-04	2.65E-04
4372	494863.09, 3857377.25	0.00319	0.00315	5.00E-04	5.14E-04	4.71E-04	4.82E-04	4.55E-04	1.32E-04	1.31E-04	2.63E-04	1.29E-04	1.28E-04	2.57E-04	1.27E-04	1.26E-04	2.53E-04
4373	495363.09, 3857377.25	0.00307	0.00302	4.81E-04	4.93E-04	4.53E-04	4.64E-04	4.38E-04	1.27E-04	1.25E-04	2.53E-04	1.24E-04	1.22E-04	2.47E-04	1.23E-04	1.21E-04	2.43E-04
4374	495863.09, 3857377.25	0.00302	0.00298	4.73E-04	4.86E-04	4.46E-04	4.57E-04	4.31E-04	1.25E-04	1.24E-04	2.49E-04	1.22E-04	1.21E-04	2.43E-04	1.21E-04	1.19E-04	2.40E-04
4375	496363.09, 3857377.25	0.00299	0.00296	4.68E-04	4.83E-04	4.41E-04	4.52E-04	4.26E-04	1.24E-04	1.23E-04	2.47E-04	1.21E-04	1.20E-04	2.41E-04	1.19E-04	1.18E-04	2.38E-04
4376	496863.09, 3857377.25	0.00298	0.00296	4.67E-04	4.83E-04	4.40E-04	4.50E-04	4.25E-04	1.24E-04	1.23E-04	2.46E-04	1.21E-04	1.20E-04	2.40E-04	1.19E-04	1.18E-04	2.37E-04
4377	497363.09, 3857377.25	0.00302	0.00301	4.73E-04	4.91E-04	4.46E-04	4.57E-04	4.31E-04	1.25E-04	1.25E-04	2.50E-04	1.22E-04	1.22E-04	2.44E-04	1.21E-04	1.20E-04	2.41E-04
4378	497863.09, 3857377.25	0.00311	0.00312	4.87E-04	5.09E-04	4.59E-04	4.70E-04	4.43E-04	1.29E-04	1.29E-04	2.58E-04	1.26E-04	1.26E-04	2.52E-04	1.24E-04	1.25E-04	2.49E-04
4379	498363.09, 3857377.25	0.00338	0.00343	5.29E-04	5.60E-04	4.99E-04	5.11E-04	4.82E-04	1.40E-04	1.42E-04	2.83E-04	1.37E-04	1.39E-04	2.76E-04	1.35E-04	1.37E-04	2.72E-04
4380	471363.09, 3857877.25	0.00121	0.00123	1.90E-04	2.01E-04	1.79E-04	1.83E-04	1.73E-04	5.02E-05	5.10E-05	1.01E-04	4.90E-05	4.98E-05	9.88E-05	4.83E-05	4.91E-05	9.75E-05
4381	471863.09, 3857877.25	0.00123	0.00125	1.93E-04	2.04E-04	1.82E-04	1.86E-04	1.75E-04	5.10E-05	5.19E-05	1.03E-04	4.98E-05	5.06E-05	1.00E-04	4.91E-05	4.99E-05	9.91E-05
4382	472363.09, 3857877.25	0.00126	0.00128	1.97E-04	2.09E-04	1.86E-04	1.90E-04	1.80E-04	5.23E-05	5.31E-05	1.05E-04	5.10E-05	5.18E-05	1.03E-04	5.03E-05	5.11E-05	1.01E-04
4383	472863.09, 3857877.25	0.00131	0.00133	2.05E-04	2.17E-04	1.93E-04	1.98E-04	1.87E-04	5.43E-05	5.52E-05	1.10E-04	5.30E-05	5.38E-05	1.07E-04	5.23E-05	5.31E-05	1.05E-04
4384	473363.09, 3857877.25	0.00134	0.00137	2.10E-04	2.24E-04	1.98E-04	2.03E-04	1.91E-04	5.56E-05	5.68E-05	1.12E-04	5.42E-05	5.55E-05	1.10E-04	5.35E-05	5.47E-05	1.08E-04
4385	473863.09, 3857877.25	0.0014	0.00142	2.19E-04	2.32E-04	2.07E-04	2.12E-04	2.00E-04	5.81E-05	5.89E-05	1.17E-04	5.67E-05	5.75E-05	1.14E-04	5.59E-05	5.67E-05	1.13E-04
4386	474363.09, 3857877.25	0.00134	0.00138	2.10E-04	2.25E-04	1.98E-04	2.03E-04	1.91E-04	5.56E-05	5.73E-05	1.13E-04	5.42E-05	5.59E-05	1.10E-04	5.35E-05	5.51E-05	1.09E-04
4387	474863.09, 3857877.25	0.00121	0.00125	1.90E-04	2.04E-04	1.79E-04	1.83E-04	1.73E-04	5.02E-05	5.19E-05	1.02E-04	4.90E-05	5.06E-05	9.96E-05	4.83E-05	4.99E-05	9.83E-05
4388	475363.09, 3857877.25	0.00103	0.00104	1.61E-04	1.70E-04	1.52E-04	1.56E-04	1.47E-04	4.27E-05	4.31E-05	8.59E-05	4.17E-05	4.21E-05	8.38E-05	4.11E-05	4.15E-05	8.27E-05
4389	475863.09, 3857877.25	0.00087	0.00086	1.36E-04	1.40E-04	1.28E-04	1.32E-04	1.24E-04	3.61E-05	3.57E-05	7.18E-05	3.52E-05	3.48E-05	7.00E-05	3.48E-05	3.44E-05	6.91E-05
4390	476363.09, 3857877.25	0.00109	0.0011	1.71E-04	1.80E-04	1.61E-04	1.65E-04	1.55E-04	4.52E-05	4.56E-05	9.09E-05	4.41E-05	4.45E-05	8.87E-05	4.35E-05	4.39E-05	8.75E-05
4391	476863.09, 3857877.25	0.00118	0.0012	1.85E-04	1.96E-04	1.74E-04	1.78E-04	1.68E-04	4.90E-05	4.98E-05	9.87E-05	4.78E-05	4.86E-05	9.64E-05	4.71E-05	4.79E-05	9.51E-05
4392	477363.09, 3857877.25	0.00121	0.00122	1.90E-04	1.99E-04	1.79E-04	1.83E-04	1.73E-04	5.02E-05	5.06E-05	1.01E-04	4.90E-05	4.94E-05	9.84E-05	4.83E-05	4.87E-05	9.71E-05
4393	477863.09, 3857877.25	0.00123	0.00124	1.93E-04	2.02E-04	1.82E-04	1.86E-04	1.75E-04	5.10E-05	5.14E-05	1.02E-04	4.98E-05	5.02E-05	1.00E-04	4.91E-05	4.95E-05	9.87E-05
4394	478363.09, 3857877.25	0.00113	0.0011	1.77E-04	1.80E-04	1.67E-04	1.71E-04	1.61E-04	4.69E-05	4.56E-05	9.25E-05	4.57E-05	4.45E-05	9.03E-05	4.51E-05	4.39E-05	8.91E-05
4395	478863.09, 3857877.25	0.00111	0.00108	1.74E-04	1.76E-04	1.64E-04	1.68E-04	1.58E-04	4.61E-05	4.48E-05	9.09E-05	4.49E-05	4.37E-05	8.87E-05	4.43E-05	4.31E-05	8.75E-05
4396	479363.09, 3857877.25	0.00165	0.00173	2.58E-04	2.82E-04	2.44E-04	2.49E-04	2.35E-04	6.85E-05	7.18E-05	1.40E-04	6.68E-05	7.00E-05	1.37E-04	6.59E-05	6.91E-05	1.35E-04
4397	479863.09, 3857877.25	0.00209	0.00216	3.27E-04	3.53E-04	3.08E-04	3.16E-04	2.98E-04	8.67E-05	8.96E-05	1.76E-04	8.46E-05	8.74E-05	1.72E-04	8.35E-05	8.63E-05	1.70E-04
4398	480363.09, 3857877.25	0.00238	0.00235	3.73E-04	3.84E-04	3.51E-04	3.60E-04	3.39E-04	9.87E-05	9.75E-05	1.96E-04	9.64E-05	9.51E-05	1.91E-04	9.51E-05	9.39E-05	1.89E-04
4399	480863.09, 3857877.25	0.00251	0.00247	3.93E-04	4.03E-04	3.70E-04	3.79E-04	3.58E-04	1.04E-04	1.02E-04	2.07E-04	1.02E-04	1.00E-04	2.02E-04	1.00E-04	9.87E-05	1.99E-04
4400	481363.09, 3857877.25	0.00265	0.00259	4.15E-04	4.23E-04	3.91E-04	4.01E-04	3.78E-04	1.10E-04	1.07E-04	2.17E-04	1.07E-04	1.05E-04	2.12E-04	1.06E-04	1.03E-04	2.09E-04
4401	481863.09, 3857877.25	0.00289	0.00276	4.53E-04	4.51E-04	4.27E-04	4.37E-04	4.12E-04	1.20E-04	1.15E-04	2.34E-04	1.17E-04	1.12E-04	2.29E-04	1.15E-04	1.10E-04	2.26E-04
4402	482363.09, 3857877.25	0.00336	0.00298	5.26E-04	4.86E-04	4.96E-04	5.08E-04	4.79E-04	1.39E-04	1.24E-04	2.63E-04	1.36E-04	1.21E-04	2.57E-04	1.34E-04	1.19E-04	2.53E-04
4403	482863.09, 3857877.25	0.00378	0.00311	5.92E-04	5.08E-04	5.58E-04	5.71E-04	5.39E-04	1.57E-04	1.29E-04	2.86E-04	1.53E-04	1.26E-04	2.79E-04	1.51E-04	1.24E-04	2.75E-04
4404	483363.09, 3857877.25	0.00413	0.0033	6.47E-04	5.39E-04	6.10E-04	6.24E-04	5.89E-04	1.71E-04	1.37E-04	3.08E-04	1.67E-04	1.34E-04	3.01E-04	1.65E-04	1.32E-04	2.97E-04

4405	483863.09, 3857877.25	0.00463	0.00357	7.25E-04	5.83E-04	6.83E-04	7.00E-04	6.60E-04	1.92E-04	1.48E-04	3.40E-04	1.87E-04	1.45E-04	3.32E-04	1.85E-04	1.43E-04	3.28E-04
4406	484363.09, 3857877.25	0.00528	0.00389	8.27E-04	6.35E-04	7.79E-04	7.98E-04	7.53E-04	2.19E-04	1.61E-04	3.80E-04	2.14E-04	1.57E-04	3.71E-04	2.11E-04	1.55E-04	3.66E-04
4407	484863.09, 3857877.25	0.00642	0.00437	1.01E-03	7.13E-04	9.48E-04	9.70E-04	9.15E-04	2.66E-04	1.81E-04	4.48E-04	2.60E-04	1.77E-04	4.37E-04	2.56E-04	1.75E-04	4.31E-04
4408	485363.09, 3857877.25	0.00819	0.005	1.28E-03	8.16E-04	1.21E-03	1.24E-03	1.17E-03	3.40E-04	2.07E-04	5.47E-04	3.32E-04	2.02E-04	5.34E-04	3.27E-04	2.00E-04	5.27E-04
4409	485863.09, 3857877.25	0.01145	0.00587	1.79E-03	9.58E-04	1.69E-03	1.73E-03	1.63E-03	4.75E-04	2.44E-04	7.19E-04	4.64E-04	2.38E-04	7.01E-04	4.57E-04	2.34E-04	6.92E-04
4410	486363.09, 3857877.25	0.02102	0.00732	3.29E-03	1.19E-03	3.10E-03	3.18E-03	3.00E-03	8.72E-04	3.04E-04	1.18E-03	8.51E-04	2.96E-04	1.15E-03	8.40E-04	2.92E-04	1.13E-03
4411	486863.09, 3857877.25	0.16992	0.01052	2.66E-02	1.72E-03	2.51E-02	2.57E-02	2.42E-02	7.05E-03	4.36E-04	7.49E-03	6.88E-03	4.26E-04	7.30E-03	6.79E-03	4.20E-04	7.21E-03
4412	487363.09, 3857877.25	0.06942	0.02278	1.09E-02	3.72E-03	1.02E-02	1.05E-02	9.90E-03	2.88E-03	9.45E-04	3.83E-03	2.81E-03	9.22E-04	3.73E-03	2.77E-03	9.10E-04	3.68E-03
4413	487863.09, 3857877.25	0.03377	0.18122	5.29E-03	2.96E-02	4.98E-03	5.10E-03	4.82E-03	1.40E-03	7.52E-03	8.92E-03	1.37E-03	7.34E-03	8.70E-03	1.35E-03	7.24E-03	8.59E-03
4414	488363.09, 3857877.25	0.0239	0.03904	3.74E-03	6.37E-03	3.53E-03	3.61E-03	3.41E-03	9.92E-04	1.62E-03	2.61E-03	9.68E-04	1.58E-03	2.55E-03	9.55E-04	1.56E-03	2.51E-03
4415	488863.09, 3857877.25	0.01886	0.02322	2.95E-03	3.79E-03	2.78E-03	2.85E-03	2.69E-03	7.82E-04	9.63E-04	1.75E-03	7.64E-04	9.40E-04	1.70E-03	7.53E-04	9.28E-04	1.68E-03
4416	489363.09, 3857877.25	0.01545	0.01703	2.42E-03	2.78E-03	2.28E-03	2.34E-03	2.20E-03	6.41E-04	7.07E-04	1.35E-03	6.25E-04	6.89E-04	1.31E-03	6.17E-04	6.80E-04	1.30E-03
4417	489863.09, 3857877.25	0.01309	0.01363	2.05E-03	2.22E-03	1.93E-03	1.98E-03	1.87E-03	5.43E-04	5.65E-04	1.11E-03	5.30E-04	5.52E-04	1.08E-03	5.23E-04	5.44E-04	1.07E-03
4418	490363.09, 3857877.25	0.01153	0.01159	1.81E-03	1.89E-03	1.70E-03	1.74E-03	1.64E-03	4.78E-04	4.81E-04	9.59E-04	4.67E-04	4.69E-04	9.36E-04	4.61E-04	4.63E-04	9.24E-04
4419	490863.09, 3857877.25	0.01031	0.01019	1.62E-03	1.66E-03	1.52E-03	1.56E-03	1.47E-03	4.28E-04	4.23E-04	8.51E-04	4.17E-04	4.13E-04	8.30E-04	4.12E-04	4.07E-04	8.19E-04
4420	491363.09, 3857877.25	0.00887	0.00881	1.39E-03	1.44E-03	1.31E-03	1.34E-03	1.26E-03	3.68E-04	3.66E-04	7.34E-04	3.59E-04	3.57E-04	7.16E-04	3.54E-04	3.52E-04	7.06E-04
4421	491863.09, 3857877.25	0.00747	0.00752	1.17E-03	1.23E-03	1.10E-03	1.13E-03	1.07E-03	3.10E-04	3.12E-04	6.22E-04	3.02E-04	3.04E-04	6.07E-04	2.98E-04	3.00E-04	5.99E-04
4422	492363.09, 3857877.25	0.00584	0.00593	9.15E-04	9.68E-04	8.62E-04	8.83E-04	8.33E-04	2.42E-04	2.46E-04	4.88E-04	2.36E-04	2.40E-04	4.77E-04	2.33E-04	2.37E-04	4.70E-04
4423	492863.09, 3857877.25	0.00478	0.00476	7.49E-04	7.77E-04	7.05E-04	7.23E-04	6.82E-04	1.98E-04	1.97E-04	3.96E-04	1.94E-04	1.93E-04	3.86E-04	1.91E-04	1.90E-04	3.81E-04
4424	493363.09, 3857877.25	0.0043	0.00426	6.74E-04	6.95E-04	6.35E-04	6.50E-04	6.13E-04	1.78E-04	1.77E-04	3.55E-04	1.74E-04	1.72E-04	3.47E-04	1.72E-04	1.70E-04	3.42E-04
4425	493863.09, 3857877.25	0.00403	0.00398	6.31E-04	6.50E-04	5.95E-04	6.09E-04	5.75E-04	1.67E-04	1.65E-04	3.32E-04	1.63E-04	1.61E-04	3.24E-04	1.61E-04	1.59E-04	3.20E-04
4426	494363.09, 3857877.25	0.00384	0.00379	6.02E-04	6.19E-04	5.67E-04	5.80E-04	5.48E-04	1.59E-04	1.57E-04	3.17E-04	1.55E-04	1.53E-04	3.09E-04	1.53E-04	1.51E-04	3.05E-04
4427	494863.09, 3857877.25	0.00359	0.00352	5.62E-04	5.75E-04	5.30E-04	5.43E-04	5.12E-04	1.49E-04	1.46E-04	2.95E-04	1.45E-04	1.43E-04	2.88E-04	1.43E-04	1.41E-04	2.84E-04
4428	495363.09, 3857877.25	0.00347	0.00341	5.44E-04	5.57E-04	5.12E-04	5.25E-04	4.95E-04	1.44E-04	1.41E-04	2.85E-04	1.40E-04	1.38E-04	2.79E-04	1.39E-04	1.36E-04	2.75E-04
4429	495863.09, 3857877.25	0.00337	0.00331	5.28E-04	5.40E-04	4.97E-04	5.09E-04	4.81E-04	1.40E-04	1.37E-04	2.77E-04	1.36E-04	1.34E-04	2.70E-04	1.35E-04	1.32E-04	2.67E-04
4430	496363.09, 3857877.25	0.00334	0.0033	5.23E-04	5.39E-04	4.93E-04	5.05E-04	4.76E-04	1.39E-04	1.37E-04	2.75E-04	1.35E-04	1.34E-04	2.69E-04	1.33E-04	1.32E-04	2.65E-04
4431	496863.09, 3857877.25	0.00333	0.0033	5.22E-04	5.39E-04	4.91E-04	5.03E-04	4.75E-04	1.38E-04	1.37E-04	2.75E-04	1.35E-04	1.34E-04	2.68E-04	1.33E-04	1.32E-04	2.65E-04
4432	497363.09, 3857877.25	0.00329	0.00328	5.15E-04	5.35E-04	4.86E-04	4.97E-04	4.69E-04	1.36E-04	1.36E-04	2.73E-04	1.33E-04	1.33E-04	2.66E-04	1.31E-04	1.31E-04	2.62E-04
4433	497863.09, 3857877.25	0.00346	0.00348	5.42E-04	5.68E-04	5.11E-04	5.23E-04	4.93E-04	1.44E-04	1.44E-04	2.88E-04	1.40E-04	1.41E-04	2.81E-04	1.38E-04	1.39E-04	2.77E-04
4434	498363.09, 3857877.25	0.00362	0.00367	5.67E-04	5.99E-04	5.34E-04	5.47E-04	5.16E-04	1.50E-04	1.52E-04	3.02E-04	1.47E-04	1.49E-04	2.95E-04	1.45E-04	1.47E-04	2.91E-04
4435	471363.09, 3858377.25	0.00119	0.00121	1.86E-04	1.98E-04	1.76E-04	1.80E-04	1.70E-04	4.94E-05	5.02E-05	9.96E-05	4.82E-05	4.90E-05	9.72E-05	4.75E-05	4.83E-05	9.59E-05
4436	471863.09, 3858377.25	0.00121	0.00123	1.90E-04	2.01E-04	1.79E-04	1.83E-04	1.73E-04	5.02E-05	5.10E-05	1.01E-04	4.90E-05	4.98E-05	9.88E-05	4.83E-05	4.91E-05	9.75E-05
4437	472363.09, 3858377.25	0.00123	0.00125	1.93E-04	2.04E-04	1.82E-04	1.86E-04	1.75E-04	5.10E-05	5.19E-05	1.03E-04	4.98E-05	5.06E-05	1.00E-04	4.91E-05	4.99E-05	9.91E-05
4438	472863.09, 3858377.25	0.00126	0.00128	1.97E-04	2.09E-04	1.86E-04	1.90E-04	1.80E-04	5.23E-05	5.31E-05	1.05E-04	5.10E-05	5.18E-05	1.03E-04	5.03E-05	5.11E-05	1.01E-04
4439	473363.09, 3858377.25	0.00133	0.00134	2.08E-04	2.19E-04	1.96E-04	2.01E-04	1.90E-04	5.52E-05	5.56E-05	1.11E-04	5.38E-05	5.42E-05	1.08E-04	5.31E-05	5.35E-05	1.07E-04
4440	473863.09, 3858377.25	0.00133	0.00135	2.08E-04	2.20E-04	1.96E-04	2.01E-04	1.90E-04	5.52E-05	5.60E-05	1.11E-04	5.38E-05	5.47E-05	1.08E-04	5.31E-05	5.39E-05	1.07E-04
4441	474363.09, 3858377.25	0.00125	0.00129	1.96E-04	2.11E-04	1.84E-04	1.89E-04	1.78E-04	5.19E-05	5.35E-05	1.05E-04	5.06E-05	5.22E-05	1.03E-04	4.99E-05	5.15E-05	1.01E-04
4442	474863.09, 3858377.25	0.00117	0.00121	1.83E-04	1.98E-04	1.73E-04	1.77E-04	1.67E-04	4.85E-05	5.02E-05	9.87E-05	4.74E-05	4.90E-05	9.64E-05	4.67E-05	4.83E-05	9.51E-05
4443	475363.09, 3858377.25	0.00104	0.00106	1.63E-04	1.73E-04	1.53E-04	1.57E-04	1.48E-04	4.31E-05	4.40E-05	8.71E-05	4.21E-05	4.29E-05	8.50E-05	4.15E-05	4.23E-05	8.39E-05
4444	475863.09, 3858377.25	0.00097	0.00098	1.52E-04	1.60E-04	1.43E-04	1.47E-04	1.38E-04	4.02E-05	4.07E-05	8.09E-05	3.93E-05	3.97E-05	7.89E-05	3.87E-05	3.91E-05	7.79E-05
4445	476363.09, 3858377.25	0.001	0.00101	1.57E-04	1.65E-04	1.48E-04	1.51E-04	1.43E-04	4.15E-05	4.19E-05	8.34E-05	4.05E-05	4.09E-05	8.14E-05	3.99E-05	4.03E-05	8.03E-05
4446	476863.09, 3858377.25	0.00104	0.00105	1.63E-04	1.71E-04	1.53E-04	1.57E-04	1.48E-04	4.31E-05	4.36E-05	8.67E-05	4.21E-05	4.25E-05	8.46E-05	4.15E-05	4.19E-05	8.35E-05
4447	477363.09, 3858377.25	0.00106	0.00106	1.66E-04	1.73E-04	1.56E-04	1.60E-04	1.51E-04	4.40E-05	4.40E-05	8.80E-05	4.29E-05	4.29E-05	8.58E-05	4.23E-05	4.23E-05	8.47E-05
4448	477863.09, 3858377.25	0.00116	0.00117	1.82E-04	1.91E-04	1.71E-04	1.75E-04	1.65E-04	4.81E-05	4.85E-05	9.67E-05	4.70E-05	4.74E-05	9.43E-05	4.63E-05	4.67E-05	9.31E-05
4449	478363.09, 3858377.25	0.00122	0.00123	1.91E-04	2.01E-04	1.80E-04	1.84E-04	1.74E-04	5.06E-05	5.10E-05	1.02E-04	4.94E-05	4.98E-05	9.92E-05	4.87E-05	4.91E-05	9.79E-05
4450	478863.09, 3858377.25	0.00116	0.00115	1.82E-04	1.88E-04	1.71E-04	1.75E-04	1.65E-04	4.81E-05	4.77E-05	9.58E-05	4.70E-05	4.66E-05	9.35E-05	4.63E-05	4.59E-05	9.23E-05
4451	479363.09, 3858377.25	0.00156	0.00165	2.44E-04	2.69E-04	2.30E-04	2.36E-04	2.22E-04	6.47E-05	6.85E-05	1.33E-04	6.32E-05	6.68E-05	1.30E-04	6.23E-05	6.59E-05	1.28E-04
4452	479863.09, 3858377.25	0.00203	0.00205	3.18E-04	3.35E-04	3.00E-04	3.07E-04	2.89E-04	8.42E-05	8.51E-05	1.69E-04	8.22E-05	8.30E-05	1.65E-04	8.11E-05	8.19E-05	1.63E-04
4453	480363.09, 3858377.25	0.0023	0.00224	3.60E-04	3.66E-04	3.39E-04	3.48E-04	3.28E-04	9.54E-05	9.29E-05	1.88E-04	9.31E-05	9.07E-05	1.84E-04	9.19E-05	8.95E-05	1.81E-04
4454	480863.09, 3858377.25	0.00242	0.00236	3.79E-04	3.85E-04	3.57E-04	3.66E-04	3.45E-04	1.00E-04	9.79E-05	1.98E-04	9.80E-05	9.55E-05	1.94E-04	9.67E-05	9.43E-05	1.91E-04
4455	481363.09, 3858377.25	0.00258	0.00249	4.04E-04	4.06E-04	3.81E-04	3.90E-04	3.68E-04	1.07E-04	1.03E-04	2.10E-04	1.04E-04	1.01E-04	2.05E-04	1.03E-04	9.95E-05	2.03E-04
4456	481863.09, 3858377.25	0.00269	0.0026	4.21E-04	4.24E-04	3.97E-04	4.07E-04	3.84E-04	1.12E-04	1.08E-04	2.19E-04	1.09E-04	1.05E-04	2.14E-04	1.07E-04	1.04E-04	2.11E-04
4457	482363.09, 3858377.25	0.00292	0.00276	4.57E-04	4.51E-04	4.31E-04	4.41E-04	4.16E-04	1.21E-04	1.15E-04	2.36E-04	1.18E-04	1.12E-04	2.30E-04	1.17E-04	1.10E-04	2.27E-04
4458	482863.09, 3858377.25	0.00331	0.00293	5.19E-04	4.78E-04	4.89E-04	5.00E-04	4.72E-04	1.37E-04	1.22E-04	2.59E-04	1.34E-04	1.19E-04	2.53E-04	1.32E-04	1.17E-04	2.49E-04
4459	483363.09, 3858377.25	0.00367	0.00307	5.75E-04	5.01E-04	5.42E-04	5.55E-04	5.23E-04	1.52E-04	1.27E-04	2.80E-04	1.49E-04	1.24E-04	2.73E-04	1.47E-04	1.23E-04	2.69E-04
4460	483863.09, 3858377.25	0.00399	0.00324	6.25E-04	5.29E-04	5.89E-04	6.03E-04	5.69E-04	1.66E-04	1.34E-04	3.00E-04	1.62E-04	1.31E-04	2.93E-04	1.59E-04	1.29E-04	2.89E-04
4461	484363.09, 3858377.25	0.00442	0.00351	6.92E-04	5.73E-04	6.52E-04	6.68E-04	6.30E-04	1.83E-04	1.46E-04	3.29E-04	1.79E-04	1.42E-04	3.21E-04	1.77E-04	1.40E-04	3.17E-04
4462	484863.09, 3858377.25	0.00507	0.00388	7.94E-04	6.33E-04	7.48E-04	7.66E-04	7.23E-04	2.10E-04	1.61E-04	3.71E-04	2.05E-04	1.57E-04	3.62E-04	2.03E-04	1.55E-04	3.58E-04
4463	485363.09, 3858377.25	0.00603	0.00437	9.45E-04	7.13E-04	8.90E-04	9.12E-04	8.60E-04	2.50E-04	1.81E-04	4.31E-04	2.44E-04	1.77E-04	4.21E-04	2.41E-04	1.75E-04	4.15E-04
4464	485863.09, 3858377.25	0.00737	0.005	1.15E-03	8.16E-04	1.09E-03	1.11E-03	1.05E-03	3.06E-04	2.07E-04	5.13E-04	2.98E-04	2.02E-04	5.01E-04	2.94E-04	2.00E-04	4.94E-04
4465	486363.09, 3858377.25	0.0095	0.0059	1.49E-03	9.63E-04	1.40E-03	1.44E-03	1.35E-03	3.94E-04	2.45E-04	6.39E-04	3.85E-04	2.39E-04	6.23E-04	3.79E-04	2.36E-04	6.15E-04
4466	486863.09, 3858377.25	0.0137	0.00737	2.15E-03	1.20E-03	2.02E-03	2.07E-03	1.95E-03	5.68E-04	3.06E-04	8.74E-04	5.55E-04	2.98E-04	8.53E-04	5.47E-04	2.94E-04	8.42E-04
4467	487363.09, 3858377.25	0.02711	0.01051	4.25E-03	1.72E-03	4.00E-03	4.10E-03	3.87E-03	1.12E-03	4.36E-04	1.56E-03	1.10E-03	4.25E-04	1.52E-03	1.08E-03	4.20E-04	1.50E-03
4468	487863.09, 3858377.25	0.46096	0.02183	7.22E-02	3.56E-03	6.80E-02	6.97E-02	6.57E-02	1.91E-02	9.06E-04	2.00E-02	1.87E-02	8.84E-04	1.95E-02	1.84E-02	8.72E-04	1.93E-02
4469	488363.09, 3858377.25	0.06325	0.23715	9.91E-03	3.87E-02	9.33E-03	9.56E-03	9.02E-03	2.62E-03	9.84E-03	1.25E-02	2.56E-03	9.60E-03	1.22E-02	2.53E-03	9.47E-03	1.20E-02
4470	488863.09, 3858377.25	0.0339	0.04213	5.31E-03	6.88E-03	5.00E-03	5.12E-03	4.83E-03	1.41E-03	1.75E-03	3.15E-03	1.37E-03	1.71E-03	3.08E-03	1.35E-03	1.68E-03	3.04E-03
4471	489363.09, 3858377.25	0.0235	0.02438	3.68E-03	3.98E-03	3.47E-03	3.55E-03	3.35E-03	9.75E-04	1.01E-03	1.99E-03	9.51E-04	9.87E-04	1.94E-03	9.39E-04	9.74E-04	1.91E-03
4472	489863.09, 3858377.25	0.01824	0.01788	2.86E-03	2.92E-03	2.69E-03	2.76E-03	2.60E-03	7.57E-04	7.42E-04	1.50E-03	7.38E-04	7.24E-04	1.46E-03	7.29E-04	7.14E-04	1.44E-03
4473	490363.09, 3858377.25	0.01502	0.01441	2.35E-03	2.35E-03	2.22E-03	2.27E-03	2.14E-03	6.23E-04	5.98E-04	1.22E-03	6.08E-04	5.83E-04	1.19E-03	6.00E-04	5.76E-04	1.18E-03
4474	490863.09, 3858377.25	0.01282	0.0122	2.01E-03	1.99E-03	1.89E-03	1.94E-03	1.83E-03	5.32E-04	5.06E-04	1.04E-03	5.19E-04	4.94E-04	1.01E-03	5.12E-04	4.87E-04	9.99E-04
4475	491363.09, 3858377.25	0.01048	0.01003	1.64E-03	1.64E-03	1.55E-03	1.58E-03	1.49E-03	4.35E-04	4.16E-04	8.51E-04	4.24E-04	4.06E-04	8.30E-04	4.19E-04	4.01E-04	8.19E-04
4476	491863.09, 3858377.25	0.00791	0.00771	1.24E-03	1.26E-03	1.17E-03	1.20E-03	1.13E-03	3.28E-04	3.20E-04	6.48E-04	3.20E-04	3.12E-04	6.32E-04	3.16E-04	3.08E-04	6.24E-04
4477	492363.09, 3858377.25	0.00612	0.00598	9.59E-04	9.76E-04	9.03E-04	9.25E-04	8.73E-04	2.54E-04	2.48E-04	5.02E-04	2.48E-04	2.42E-04	4.90E-04	2.44E-04	2.39E-04	4.83E-04
4478	492863.09, 3858377.25	0.006	0.00593	9.40E-04	9.68E-04	8.86E-04	9.07E-04	8.56E-04	2.49E-04	2.46E-04	4.95E-04	2.43E-04	2.40E-04	4.83E-04	2.40E-04	2.37E-04	4.77E-04
4479	493363.09, 3858377.25	0.00537	0.00531	8.41E-04	8.67E-04	7.93E-04	8.12E-04	7.66E-04	2.23E-04	2.20E-04	4.43E-04	2.17E-04	2.15E-04	4.32E-04	2.15E-04	2.12E-04	4.27E-04
4480	493863.09, 3858377.25	0.00495	0.00489	7.75E-04	7.98E-04	7.31E-04	7.48E-04	7.06E-04	2.05E-04	2.03E-04	4.08E-04	2.00E-04	1.98E-04	3.98E-04	1.98E-04	1.95E-04	3.93E-04
4481	494363.09, 3858377.25	0.00455	0.00451	7.13E-04	7.36E-04	6.72E-04	6.88E-04	6.49E-04	1.89E-04	1.87E-04	3.76E-04	1.84E-04	1.83E-04	3.67E-04	1.82E-04	1.80E-04	3.62E-04
4482	494863.09, 3858377.25	0.00426	0.00421	6.67E-04	6.87E-04	6.29E-04	6.44E-04	6.07E-04	1.77E-04	1.75E-04	3.51E-04	1.72E-04	1.70E-04	3.43E-04	1.70E-04	1.68E-04	3.38E-04
4483	495363.09, 3858377.25	0.00396	0.00391	6.20E-04	6.38E-04	5.84E-04	5.99E-04	5.65E-04	1.64E-04	1.62E-04	3.27E-04	1.60E-04	1.58E-04	3.19E-04	1.58E-04	1.56E-04	3.14E-04
4484	495863.09, 3858377.25	0.00385	0.00381	6.03E-04	6.22E-04	5.68E-04	5.82E-04	5.49E-04	1.60E-04	1.58E-04	3.18E-04	1.56E-04	1.54E-04	3.10E-04	1.54E-04	1.52E-04	3.06E-04
4485	496363.09, 3858377.25	0.00374	0.00371	5.86E-04	6.06E-04	5.52E-04	5.65E-04	5.33E-04	1.55E-04	1.54E-04	3.09E-04	1.51E-04	1.50E-04	3.02E-04	1.49E-04	1.48E-04	2.98E-04
4486	496863.09, 3858377.25	0.00376	0.00375	5.89E-04	6.12E-04	5.55E-04	5.68E-04	5.36E-04	1.56E-04	1.56E-04	3.12E-04	1.52E-04	1.52E-04	3.04E-04	1.50E-04	1.50E-04	3.00E-04
4487	497363.09, 3858377.25	0.00372	0.00372	5.83E-04	6.07E-04	5.49E-04	5.62E-04	5.30E-04	1.54E-04	1.54E-04	3.09E-04	1.51E-04	1.51E-04	3.01E-04	1.49E-04	1.49E-04	2.97E-04
4488	497863.09, 3858377.25	0.00387	0.00389	6.06E-04	6.35E-04	5.71E-04	5.85E-04	5.52E-04	1.61E-04	1.61E-04	3.22E-04	1.57E-04	1.57E-04	3.14E-04	1.55E-04	1.55E-04	3.10E-04
4489	498363.09, 3858377.25	0.00409	0.00412	6.41E-04	6.73E-04	6.04E-04	6.18E-04	5.83E-04	1.70E-04	1.71E-04	3.41E-04	1.66E-04	1.67E-04	3.32E-04	1.63E-04	1.65E-04	3.28E-04
4490	471363.09, 3858877.25	0.00116	0.00118	1.82E-04	1.93E-04	1.71E-04	1.75E-04	1.65E-04	4.81E-05	4.90E-05	9.71E-05	4.70E-05	4.78E-05	9.47E-05	4.63E-05	4.71E-05	9.35E-05
4491	471863.09, 3858877.25	0.00118	0.00119	1.85E-04	1.94E-04	1.74E-04	1.78E-04	1.68E-04	4.90E-05	4.94E-05	9.83E-05	4.78E-05	4.82E-05	9.59E-05	4.71E-05	4.75E-05	9.47E-05
4492	472363.09, 3858877.25	0.00122	0.00123	1.91E-04	2.01E-04	1.80E-04	1.84E-04	1.74E-04	5.06E-05	5.10E-05	1.02E-04	4.94E-05	4.98E-05	9.92E-05	4.87E-05	4.91E-05	9.79E-05
4493	472863.09, 3858877.25	0.00125	0.00126	1.96E-04	2.06E-04	1.84E-04	1.89E-04	1.78E-04	5.19E-05	5.23E-05	1.04E-04	5.06E-05	5.10E-05	1.02E-04	4.99E-05	5.03E-05	1.00E-04
4494	473363.09, 3858877.25	0.0013	0.00131	2.04E-04	2.14E-04	1.92E-04	1.97E-04	1.85E-04	5.39E-05	5.43E-05	1.08E-04	5.26E-05	5.30E-05	1.06E-04	5.19E-05	5.23E-05	1.04E-04
4495	473863.09, 3858877.25	0.00131	0.00132	2.05E-04	2.15E-04	1.93E-04	1.98E-04	1.87E-04	5.43E-05	5.48E-05	1.09E-04	5.30E-05	5.34E-05	1.06E-04	5.23E-05	5.27E-05	1.05E-04
4496	474363.09, 3858877.25	0.00124	0.00128	1.94E-04	2.09E-04	1.83E-04	1.87E-04	1.77E-04	5.14E-05	5.31E-05	1.05E-04	5.02E-05	5.18E-05	1.02E-04	4.95E-05	5.11E-05	1.01E-04
4497	474863.09, 3858877.25	0.00098	0.00101	1.54E-04	1.65E-04	1.45E-04	1.48E-04	1.40E-04	4.07E-05	4.19E-05	8.26E-05	3.97E-05	4.09E-05	8.06E-05	3.91E-05	4.03E-05	7.95E-05
4498	475363.09, 3858877.25	0.00092	0.00093	1.44E-04	1.52E-04	1.36E-04	1.39E-04	1.31E-04	3.82E-05	3.86E-05	7.68E-05	3.72E-05	3.77E-05	7.49E-05	3.68E-05	3.72E-05	7.39E-05
4499	475863.09, 3858877.25	0.00096	0.00097	1.50E-04	1.58E-04	1.42E-04	1.45E-04	1.37E-04	3.98E-05	4.02E-05	8.01E-05	3.89E-05	3.93E-05	7.81E-05	3.83E-05	3.87E-05	7.71E-05
4500	476363.09, 3858877.25	0.00087	0.00086	1.36E-04	1.40E-04	1.28E-04	1.32E-04	1.24E-04	3.61E-05	3.57E-05	7.18E-05	3.52E-05	3.48E-05	7.00E-05	3.48E-05	3.44E-05	6.91E-05
4501	476863.09, 3858877.25	0.00094	0.00093	1.47E-04	1.52E-04	1.39E-04	1.42E-04	1.34E-04	3.90E-05	3.86E-05	7.76E-05	3.81E-05	3.77E-05	7.57E-05	3.76E-05	3.72E-05	7.47E-05
4502	477363.09, 3858877.25	0.00096	0.00096	1.50E-04	1.57E-04	1.42E-04	1.45E-04	1.37E-04	3.98E-05	3.98E-05	7.97E-05	3.89E-05	3.89E-05	7.77E-05	3.83E-05	3.83E-05	7.67E-05
4503	477863.09, 3858877.25	0.00103	0.00103	1.61E-04	1.68E-04	1.52E-04	1.56E-04	1.47E-04	4.27E-05	4.27E-05	8.55E-05	4.17E-05	4.17E-05	8.34E-05	4.11E-05	4.11E-05	8.23E-05
4504	478363.09, 3858877.25	0.00125	0.00131	1.96E-04	2.14E-04	1.84E-04	1.89E-04	1.78E-04	5.19E-05	5.43E-05	1.06E-04	5.06E-05	5.30E-05	1.04E-04	4.99E-05	5.23E-05	1.02E-04
4505	478863.09, 3858877.25	0.00123	0.00127	1.93E-04	2.07E-04	1.82E-04	1.86E-04	1.75E-04	5.10E-05	5.27E-05	1.04E-04	4.98E-05	5.14E-05	1.01E-04	4.91E-05	5.07E-05	9.99E-05
4506	479363.09, 3858877.25	0.00122	0.00124	1.91E-04	2.02E-04	1.80E-04	1.84E-04	1.74E-04	5.06E-05	5.14E-05	1.02E-04	4.94E-05	5.02E-05	9.96E-05	4.87E-05	4.95E-05	9.83E-05
4507	479863.09, 3858877.25	0.00195	0.00193	3.05E-04	3.15E-04	2.88E-04	2.95E-04	2.78E-04	8.09E-05	8.01E-05	1.61E-04	7.89E-05	7.81E-05	1.57E-04	7.79E-05	7.71E-05	1.55E-04
4508	480363.09, 3858877.25	0.00212	0.00205	3.32E-04	3.35E-04	3.13E-04	3.20E-04	3.02E-04	8.80E-05	8.51E-05	1.73E-04	8.58E-05	8.30E-05	1.69E-04	8.47E-05	8.19E-05	1.67E-04
4509	480863.09, 3858877.25	0.00226	0.00216	3.54E-04	3.53E-04	3.34E-04	3.42E-04	3.22E-04	9.38E-05	8.96E-05	1.83E-04	9.15E-05	8.74E-05	1.79E-04	9.03E-05	8.63E-05	1.77E-04
4510	481363.09, 3858877.25	0.00239	0.00227	3.74E-04	3.71E-04	3.53E-04	3.61E-04	3.41E-04	9.92E-05	9.42E-05	1.93E-04	9.68E-05	9.19E-05	1.89E-04	9.55E-05	9.07E-05	1.86E-04
4511	481863.09, 3858877.25	0.00253	0.00241	3.96E-04	3.93E-04	3.73E-04	3.82E-04	3.61E-04	1.05E-04	1.00E-04	2.05E-04	1.02E-04	9.76E-05	2.00E-04	1.01E-04	9.63E-05	1.97E-04
4512	482363.09, 3858877.25	0.0027	0.00255	4.23E-04	4.16E-04	3.98E-04	4.08E-04	3.85E-04	1.12E-04	1.06E-04	2.18E-04	1.09E-04	1.03E-04	2.13E-04	1.08E-04	1.02E-04	2.10E-04
4513	482863.09, 3858877.25	0.00289	0.00272	4.53E-04	4.44E-04	4.27E-04	4.37E-04	4.12E-04	1.20E-04	1.13E-04	2.33E-04	1.17E-04	1.10E-04	2.27E-04	1.15E-04	1.09E-04	2.24E-04
4514	483363.09, 3858877.25	0.00338	0.00293	5.29E-04	4.78E-04	4.99E-04	5.11E-04	4.82E-04	1.40E-04	1.22E-04	2.62E-04	1.37E-04	1.19E-04	2.55E-04	1.35E-04	1.17E-04	2.52E-04
4515	483863.09, 3858877.25	0.00361	0.00307	5.66E-04	5.01E-04	5.33E-04	5.46E-04	5.15E-04	1.50E-04	1.27E-04	2.77E-04	1.46E-04	1.24E-04	2.70E-04	1.44E-04	1.23E-04	2.67E-04
4516	484363.09, 3858877.25	0.00388	0.00326	6.08E-04	5.32E-04	5.73E-04	5.87E-04	5.53E-04	1.61E-04	1.35E-04	2.96E-04	1.57E-04	1.32E-04	2.89E-04	1.55E-04	1.30E-04	2.85E-04
4517	484863.09, 3858877.25	0.00423	0.00349	6.63E-04	5.70E-04	6.24E-04	6.39E-04	6.03E-04	1.75E-04	1.45E-04	3.20E-04	1.71E-04	1.41E-04	3.13E-04	1.69E-04	1.39E-04	3.08E-04
4518	485363.09, 3858877.25	0.00478	0.00383	7.49E-04	6.25E-04	7.05E-04	7.23E-04	6.82E-04	1.98E-04	1.59E-04	3.57E-04	1.94E-04	1.55E-04	3.49E-04	1.91E-04	1.53E-04	3.44E-04
4519	485863.09, 3858877.25	0.00553	0.00431	8.66E-04	7.04E-04	8.16E-04	8.36E-04	7.88E-04	2.29E-04	1.79E-04	4.08E-04	2.24E-04	1.74E-04	3.98E-04	2.21E-04	1.72E-04	3.93E-04
4520	486363.09, 3858877.25	0.00649	0.00492	1.02E-03	8.03E-04	9.58E-04	9.81E-04	9.25E-04	2.69E-04	2.04E-04	4.73E-04	2.63E-04	1.99E-04	4.62E-04	2.59E-04	1.97E-04	4.56E-04

4521	486863.09, 3858877.25	0.0079	0.00585	1.24E-03	9.55E-04	1.17E-03	1.19E-03	1.13E-03	3.28E-04	2.43E-04	5.70E-04	3.20E-04	2.37E-04	5.57E-04	3.16E-04	2.34E-04	5.49E-04
4522	487363.09, 3858877.25	0.01037	0.00746	1.62E-03	1.22E-03	1.53E-03	1.57E-03	1.48E-03	4.30E-04	3.09E-04	7.40E-04	4.20E-04	3.02E-04	7.22E-04	4.14E-04	2.98E-04	7.12E-04
4523	487863.09, 3858877.25	0.01531	0.01046	2.40E-03	1.71E-03	2.26E-03	2.31E-03	2.18E-03	6.35E-04	4.34E-04	1.07E-03	6.20E-04	4.23E-04	1.04E-03	6.12E-04	4.18E-04	1.03E-03
4524	488363.09, 3858877.25	0.03441	0.02039	5.39E-03	3.33E-03	5.08E-03	5.20E-03	4.91E-03	1.43E-03	8.46E-04	2.27E-03	1.39E-03	8.25E-04	2.22E-03	1.37E-03	8.15E-04	2.19E-03
4525	488863.09, 3858877.25	0.23703	0.34546	3.71E-02	5.64E-02	3.50E-02	3.58E-02	3.38E-02	9.83E-03	1.43E-02	2.42E-02	9.60E-03	1.40E-02	2.36E-02	9.47E-03	1.38E-02	2.33E-02
4526	489363.09, 3858877.25	0.0545	0.05533	8.54E-03	9.03E-03	8.04E-03	8.24E-03	7.77E-03	2.26E-03	2.30E-03	4.56E-03	2.21E-03	2.24E-03	4.45E-03	2.18E-03	2.21E-03	4.39E-03
4527	489863.09, 3858877.25	0.03153	0.03009	4.94E-03	4.91E-03	4.65E-03	4.77E-03	4.50E-03	1.31E-03	1.25E-03	2.56E-03	1.28E-03	1.22E-03	2.49E-03	1.26E-03	1.20E-03	2.46E-03
4528	490363.09, 3858877.25	0.02191	0.02076	3.43E-03	3.39E-03	3.23E-03	3.31E-03	3.12E-03	9.09E-04	8.61E-04	1.77E-03	8.87E-04	8.40E-04	1.73E-03	8.75E-04	8.29E-04	1.70E-03
4529	490863.09, 3858877.25	0.01552	0.01478	2.43E-03	2.41E-03	2.29E-03	2.35E-03	2.21E-03	6.44E-04	6.13E-04	1.26E-03	6.28E-04	5.98E-04	1.23E-03	6.20E-04	5.90E-04	1.21E-03
4530	491363.09, 3858877.25	0.01107	0.01066	1.73E-03	1.74E-03	1.63E-03	1.67E-03	1.58E-03	4.59E-04	4.42E-04	9.02E-04	4.48E-04	4.32E-04	8.80E-04	4.42E-04	4.26E-04	8.68E-04
4531	491863.09, 3858877.25	0.0084	0.00814	1.32E-03	1.33E-03	1.24E-03	1.27E-03	1.20E-03	3.48E-04	3.38E-04	6.86E-04	3.40E-04	3.30E-04	6.70E-04	3.36E-04	3.25E-04	6.61E-04
4532	492363.09, 3858877.25	0.00822	0.00797	1.29E-03	1.30E-03	1.21E-03	1.24E-03	1.17E-03	3.41E-04	3.31E-04	6.72E-04	3.33E-04	3.23E-04	6.55E-04	3.28E-04	3.18E-04	6.47E-04
4533	492863.09, 3858877.25	0.00835	0.00809	1.31E-03	1.32E-03	1.23E-03	1.26E-03	1.19E-03	3.46E-04	3.36E-04	6.82E-04	3.38E-04	3.28E-04	6.66E-04	3.34E-04	3.23E-04	6.57E-04
4534	493363.09, 3858877.25	0.00736	0.0072	1.15E-03	1.18E-03	1.09E-03	1.11E-03	1.05E-03	3.05E-04	2.99E-04	6.04E-04	2.98E-04	2.91E-04	5.89E-04	2.94E-04	2.88E-04	5.82E-04
4535	493863.09, 3858877.25	0.00627	0.00619	9.82E-04	1.01E-03	9.25E-04	9.48E-04	8.94E-04	2.60E-04	2.57E-04	5.17E-04	2.54E-04	2.51E-04	5.04E-04	2.50E-04	2.47E-04	4.98E-04
4536	494363.09, 3858877.25	0.00572	0.00567	8.96E-04	9.26E-04	8.44E-04	8.65E-04	8.16E-04	2.37E-04	2.35E-04	4.73E-04	2.32E-04	2.30E-04	4.61E-04	2.28E-04	2.26E-04	4.55E-04
4537	494863.09, 3858877.25	0.0052	0.00517	8.15E-04	8.44E-04	7.67E-04	7.86E-04	7.41E-04	2.16E-04	2.14E-04	4.30E-04	2.11E-04	2.09E-04	4.20E-04	2.08E-04	2.07E-04	4.14E-04
4538	495363.09, 3858877.25	0.00478	0.00475	7.49E-04	7.75E-04	7.05E-04	7.23E-04	6.82E-04	1.98E-04	1.97E-04	3.95E-04	1.94E-04	1.92E-04	3.86E-04	1.91E-04	1.90E-04	3.81E-04
4539	495863.09, 3858877.25	0.00452	0.00451	7.08E-04	7.36E-04	6.67E-04	6.83E-04	6.44E-04	1.88E-04	1.87E-04	3.75E-04	1.83E-04	1.83E-04	3.66E-04	1.81E-04	1.80E-04	3.61E-04
4540	496363.09, 3858877.25	0.00438	0.00438	6.86E-04	7.15E-04	6.46E-04	6.62E-04	6.25E-04	1.82E-04	1.82E-04	3.63E-04	1.77E-04	1.77E-04	3.55E-04	1.75E-04	1.75E-04	3.50E-04
4541	496863.09, 3858877.25	0.00427	0.00427	6.69E-04	6.97E-04	6.30E-04	6.45E-04	6.09E-04	1.77E-04	1.77E-04	3.54E-04	1.73E-04	1.73E-04	3.46E-04	1.71E-04	1.71E-04	3.41E-04
4542	497363.09, 3858877.25	0.00417	0.00418	6.53E-04	6.82E-04	6.15E-04	6.30E-04	5.95E-04	1.73E-04	1.73E-04	3.46E-04	1.69E-04	1.69E-04	3.38E-04	1.67E-04	1.67E-04	3.34E-04
4543	497863.09, 3858877.25	0.00436	0.00437	6.83E-04	7.13E-04	6.43E-04	6.59E-04	6.22E-04	1.81E-04	1.81E-04	3.62E-04	1.77E-04	1.77E-04	3.53E-04	1.74E-04	1.75E-04	3.49E-04
4544	498363.09, 3858877.25	0.00458	0.00458	7.17E-04	7.48E-04	6.76E-04	6.92E-04	6.53E-04	1.90E-04	1.90E-04	3.80E-04	1.85E-04	1.85E-04	3.71E-04	1.83E-04	1.83E-04	3.66E-04
4545	471363.09, 3859377.25	0.00113	0.00114	1.77E-04	1.86E-04	1.67E-04	1.71E-04	1.61E-04	4.69E-05	4.73E-05	9.42E-05	4.57E-05	4.62E-05	9.19E-05	4.51E-05	4.55E-05	9.07E-05
4546	471863.09, 3859377.25	0.00116	0.00117	1.82E-04	1.91E-04	1.71E-04	1.75E-04	1.65E-04	4.81E-05	4.85E-05	9.67E-05	4.70E-05	4.74E-05	9.43E-05	4.63E-05	4.67E-05	9.31E-05
4547	472363.09, 3859377.25	0.00119	0.0012	1.86E-04	1.96E-04	1.76E-04	1.80E-04	1.70E-04	4.94E-05	4.98E-05	9.92E-05	4.82E-05	4.86E-05	9.68E-05	4.75E-05	4.79E-05	9.55E-05
4548	472863.09, 3859377.25	0.00123	0.00123	1.93E-04	2.01E-04	1.82E-04	1.86E-04	1.75E-04	5.10E-05	5.10E-05	1.02E-04	4.98E-05	4.98E-05	9.96E-05	4.91E-05	4.91E-05	9.83E-05
4549	473363.09, 3859377.25	0.00127	0.00126	1.99E-04	2.06E-04	1.87E-04	1.92E-04	1.81E-04	5.27E-05	5.23E-05	1.05E-04	5.14E-05	5.10E-05	1.02E-04	5.07E-05	5.03E-05	1.01E-04
4550	473863.09, 3859377.25	0.00129	0.00128	2.02E-04	2.09E-04	1.90E-04	1.95E-04	1.84E-04	5.35E-05	5.31E-05	1.07E-04	5.22E-05	5.18E-05	1.04E-04	5.15E-05	5.11E-05	1.03E-04
4551	474363.09, 3859377.25	0.00122	0.00124	1.91E-04	2.02E-04	1.80E-04	1.84E-04	1.74E-04	5.06E-05	5.14E-05	1.02E-04	4.94E-05	5.02E-05	9.96E-05	4.87E-05	4.95E-05	9.83E-05
4552	474863.09, 3859377.25	0.00109	0.00113	1.71E-04	1.84E-04	1.61E-04	1.65E-04	1.55E-04	4.52E-05	4.69E-05	9.21E-05	4.41E-05	4.57E-05	8.99E-05	4.35E-05	4.51E-05	8.87E-05
4553	475363.09, 3859377.25	0.00096	0.00099	1.50E-04	1.62E-04	1.42E-04	1.45E-04	1.37E-04	3.98E-05	4.11E-05	8.09E-05	3.89E-05	4.01E-05	7.89E-05	3.83E-05	3.95E-05	7.79E-05
4554	475863.09, 3859377.25	0.00087	0.00088	1.36E-04	1.44E-04	1.28E-04	1.32E-04	1.24E-04	3.61E-05	3.65E-05	7.26E-05	3.52E-05	3.56E-05	7.08E-05	3.48E-05	3.52E-05	6.99E-05
4555	476363.09, 3859377.25	0.00086	0.00086	1.35E-04	1.40E-04	1.27E-04	1.30E-04	1.23E-04	3.57E-05	3.57E-05	7.14E-05	3.48E-05	3.48E-05	6.96E-05	3.44E-05	3.44E-05	6.87E-05
4556	476863.09, 3859377.25	0.00083	0.00082	1.30E-04	1.34E-04	1.22E-04	1.25E-04	1.18E-04	3.44E-05	3.40E-05	6.85E-05	3.36E-05	3.32E-05	6.68E-05	3.32E-05	3.28E-05	6.59E-05
4557	477363.09, 3859377.25	0.00086	0.00086	1.35E-04	1.40E-04	1.27E-04	1.30E-04	1.23E-04	3.57E-05	3.57E-05	7.14E-05	3.48E-05	3.48E-05	6.96E-05	3.44E-05	3.44E-05	6.87E-05
4558	477863.09, 3859377.25	0.001	0.00102	1.57E-04	1.66E-04	1.48E-04	1.51E-04	1.43E-04	4.15E-05	4.23E-05	8.38E-05	4.05E-05	4.13E-05	8.18E-05	3.99E-05	4.07E-05	8.07E-05
4559	478363.09, 3859377.25	0.00114	0.00119	1.79E-04	1.94E-04	1.68E-04	1.72E-04	1.63E-04	4.73E-05	4.94E-05	9.67E-05	4.62E-05	4.82E-05	9.43E-05	4.55E-05	4.75E-05	9.31E-05
4560	478863.09, 3859377.25	0.00134	0.00141	2.10E-04	2.30E-04	1.98E-04	2.03E-04	1.91E-04	5.56E-05	5.85E-05	1.14E-04	5.42E-05	5.71E-05	1.11E-04	5.35E-05	5.63E-05	1.10E-04
4561	479363.09, 3859377.25	0.00156	0.0016	2.44E-04	2.61E-04	2.30E-04	2.36E-04	2.22E-04	6.47E-05	6.64E-05	1.31E-04	6.32E-05	6.48E-05	1.28E-04	6.23E-05	6.39E-05	1.26E-04
4562	479863.09, 3859377.25	0.00176	0.00175	2.76E-04	2.86E-04	2.60E-04	2.66E-04	2.51E-04	7.30E-05	7.26E-05	1.46E-04	7.13E-05	7.08E-05	1.42E-04	7.03E-05	6.99E-05	1.40E-04
4563	480363.09, 3859377.25	0.00195	0.00189	3.05E-04	3.09E-04	2.88E-04	2.95E-04	2.78E-04	8.09E-05	7.84E-05	1.59E-04	7.89E-05	7.65E-05	1.55E-04	7.79E-05	7.55E-05	1.53E-04
4564	480863.09, 3859377.25	0.0021	0.002	3.29E-04	3.26E-04	3.10E-04	3.17E-04	2.99E-04	8.71E-05	8.30E-05	1.70E-04	8.50E-05	8.10E-05	1.66E-04	8.39E-05	7.99E-05	1.64E-04
4565	481363.09, 3859377.25	0.00222	0.0021	3.48E-04	3.43E-04	3.28E-04	3.36E-04	3.17E-04	9.21E-05	8.71E-05	1.79E-04	8.99E-05	8.50E-05	1.75E-04	8.87E-05	8.39E-05	1.73E-04
4566	481863.09, 3859377.25	0.00234	0.0022	3.67E-04	3.59E-04	3.45E-04	3.54E-04	3.34E-04	9.71E-05	9.13E-05	1.88E-04	9.47E-05	8.91E-05	1.84E-04	9.35E-05	8.79E-05	1.81E-04
4567	482363.09, 3859377.25	0.00248	0.00232	3.88E-04	3.79E-04	3.66E-04	3.75E-04	3.54E-04	1.03E-04	9.63E-05	1.99E-04	1.00E-04	9.39E-05	1.94E-04	9.91E-05	9.27E-05	1.92E-04
4568	482863.09, 3859377.25	0.00264	0.00245	4.14E-04	4.00E-04	3.90E-04	3.99E-04	3.76E-04	1.10E-04	1.02E-04	2.11E-04	1.07E-04	9.92E-05	2.06E-04	1.05E-04	9.79E-05	2.03E-04
4569	483363.09, 3859377.25	0.00293	0.00262	4.59E-04	4.28E-04	4.32E-04	4.43E-04	4.18E-04	1.22E-04	1.09E-04	2.30E-04	1.19E-04	1.06E-04	2.25E-04	1.17E-04	1.05E-04	2.22E-04
4570	483863.09, 3859377.25	0.00317	0.00278	4.97E-04	4.54E-04	4.68E-04	4.79E-04	4.52E-04	1.32E-04	1.15E-04	2.47E-04	1.28E-04	1.13E-04	2.41E-04	1.27E-04	1.11E-04	2.38E-04
4571	484363.09, 3859377.25	0.00343	0.003	5.37E-04	4.90E-04	5.06E-04	5.18E-04	4.89E-04	1.42E-04	1.24E-04	2.67E-04	1.39E-04	1.21E-04	2.60E-04	1.37E-04	1.20E-04	2.57E-04
4572	484863.09, 3859377.25	0.00373	0.00324	5.84E-04	5.29E-04	5.51E-04	5.64E-04	5.32E-04	1.55E-04	1.34E-04	2.89E-04	1.51E-04	1.31E-04	2.82E-04	1.49E-04	1.29E-04	2.78E-04
4573	485363.09, 3859377.25	0.00411	0.00354	6.44E-04	5.78E-04	6.07E-04	6.21E-04	5.86E-04	1.71E-04	1.47E-04	3.17E-04	1.66E-04	1.43E-04	3.10E-04	1.64E-04	1.41E-04	3.06E-04
4574	485863.09, 3859377.25	0.00457	0.00388	7.16E-04	6.33E-04	6.74E-04	6.91E-04	6.52E-04	1.90E-04	1.61E-04	3.51E-04	1.85E-04	1.57E-04	3.42E-04	1.83E-04	1.55E-04	3.38E-04
4575	486363.09, 3859377.25	0.00509	0.00428	7.97E-04	6.99E-04	7.51E-04	7.69E-04	7.26E-04	2.11E-04	1.78E-04	3.89E-04	2.06E-04	1.73E-04	3.79E-04	2.03E-04	1.71E-04	3.74E-04
4576	486863.09, 3859377.25	0.00576	0.0048	9.02E-04	7.83E-04	8.50E-04	8.71E-04	8.21E-04	2.39E-04	1.99E-04	4.38E-04	2.33E-04	1.94E-04	4.28E-04	2.30E-04	1.92E-04	4.22E-04
4577	487363.09, 3859377.25	0.0067	0.00563	1.05E-03	9.19E-04	9.89E-04	1.01E-03	9.55E-04	2.78E-04	2.34E-04	5.12E-04	2.71E-04	2.28E-04	4.99E-04	2.68E-04	2.25E-04	4.93E-04
4578	487863.09, 3859377.25	0.00821	0.00702	1.29E-03	1.15E-03	1.21E-03	1.24E-03	1.17E-03	3.41E-04	2.91E-04	6.32E-04	3.32E-04	2.84E-04	6.17E-04	3.28E-04	2.80E-04	6.08E-04
4579	488363.09, 3859377.25	0.01089	0.00948	1.71E-03	1.55E-03	1.61E-03	1.65E-03	1.55E-03	4.52E-04	3.93E-04	8.45E-04	4.41E-04	3.84E-04	8.25E-04	4.35E-04	3.79E-04	8.14E-04
4580	488863.09, 3859377.25	0.01701	0.0154	2.66E-03	2.51E-03	2.51E-03	2.57E-03	2.43E-03	7.06E-04	6.39E-04	1.34E-03	6.89E-04	6.23E-04	1.31E-03	6.79E-04	6.15E-04	1.29E-03
4581	489363.09, 3859377.25	0.0459	0.0433	7.19E-03	7.07E-03	6.77E-03	6.94E-03	6.54E-03	1.90E-03	1.80E-03	3.70E-03	1.86E-03	1.75E-03	3.61E-03	1.83E-03	1.73E-03	3.56E-03
4582	489863.09, 3859377.25	0.14876	0.15125	2.33E-02	2.47E-02	2.20E-02	2.25E-02	2.12E-02	6.17E-03	6.28E-03	1.24E-02	6.02E-03	6.12E-03	1.21E-02	5.94E-03	6.04E-03	1.20E-02
4583	490363.09, 3859377.25	0.04757	0.04692	7.45E-03	7.66E-03	7.02E-03	7.19E-03	6.78E-03	1.97E-03	1.95E-03	3.92E-03	1.93E-03	1.90E-03	3.83E-03	1.90E-03	1.87E-03	3.77E-03
4584	490863.09, 3859377.25	0.02607	0.02551	4.08E-03	4.16E-03	3.85E-03	3.94E-03	3.72E-03	1.08E-03	1.06E-03	2.14E-03	1.06E-03	1.03E-03	2.09E-03	1.04E-03	1.02E-03	2.06E-03
4585	491363.09, 3859377.25	0.01545	0.01521	2.42E-03	2.48E-03	2.28E-03	2.34E-03	2.20E-03	6.41E-04	6.31E-04	1.27E-03	6.25E-04	6.16E-04	1.24E-03	6.17E-04	6.08E-04	1.22E-03
4586	491863.09, 3859377.25	0.01455	0.01423	2.28E-03	2.32E-03	2.15E-03	2.20E-03	2.07E-03	6.04E-04	5.90E-04	1.19E-03	5.89E-04	5.76E-04	1.17E-03	5.81E-04	5.68E-04	1.15E-03
4587	492363.09, 3859377.25	0.0124	0.0121	1.94E-03	1.98E-03	1.83E-03	1.87E-03	1.77E-03	5.14E-04	5.02E-04	1.02E-03	5.02E-04	4.90E-04	9.92E-04	4.95E-04	4.83E-04	9.79E-04
4588	492863.09, 3859377.25	0.01109	0.01079	1.74E-03	1.76E-03	1.64E-03	1.68E-03	1.58E-03	4.60E-04	4.48E-04	9.08E-04	4.49E-04	4.37E-04	8.86E-04	4.43E-04	4.31E-04	8.74E-04
4589	493363.09, 3859377.25	0.00932	0.00907	1.46E-03	1.48E-03	1.38E-03	1.41E-03	1.33E-03	3.87E-04	3.76E-04	7.63E-04	3.77E-04	3.67E-04	7.45E-04	3.72E-04	3.62E-04	7.35E-04
4590	493863.09, 3859377.25	0.00844	0.00822	1.32E-03	1.34E-03	1.25E-03	1.28E-03	1.20E-03	3.50E-04	3.41E-04	6.91E-04	3.42E-04	3.33E-04	6.74E-04	3.37E-04	3.28E-04	6.66E-04
4591	494363.09, 3859377.25	0.00754	0.00738	1.18E-03	1.20E-03	1.11E-03	1.14E-03	1.08E-03	3.13E-04	3.06E-04	6.19E-04	3.05E-04	2.99E-04	6.04E-04	3.01E-04	2.95E-04	5.96E-04
4592	494863.09, 3859377.25	0.00645	0.00637	1.01E-03	1.04E-03	9.52E-04	9.75E-04	9.20E-04	2.68E-04	2.64E-04	5.32E-04	2.61E-04	2.58E-04	5.19E-04	2.58E-04	2.54E-04	5.12E-04
4593	495363.09, 3859377.25	0.00599	0.00594	9.38E-04	9.70E-04	8.84E-04	9.05E-04	8.54E-04	2.49E-04	2.46E-04	4.95E-04	2.43E-04	2.40E-04	4.83E-04	2.39E-04	2.37E-04	4.77E-04
4594	495863.09, 3859377.25	0.0055	0.00547	8.62E-04	8.93E-04	8.12E-04	8.31E-04	7.84E-04	2.28E-04	2.27E-04	4.55E-04	2.23E-04	2.21E-04	4.44E-04	2.20E-04	2.19E-04	4.38E-04
4595	496363.09, 3859377.25	0.0053	0.00527	8.30E-04	8.60E-04	7.82E-04	8.01E-04	7.56E-04	2.20E-04	2.19E-04	4.39E-04	2.15E-04	2.13E-04	4.28E-04	2.12E-04	2.11E-04	4.22E-04
4596	496863.09, 3859377.25	0.00488	0.00486	7.64E-04	7.93E-04	7.20E-04	7.38E-04	6.96E-04	2.02E-04	2.02E-04	4.04E-04	1.98E-04	1.97E-04	3.94E-04	1.95E-04	1.94E-04	3.89E-04
4597	497363.09, 3859377.25	0.00488	0.00486	7.64E-04	7.93E-04	7.20E-04	7.38E-04	6.96E-04	2.02E-04	2.02E-04	4.04E-04	1.98E-04	1.97E-04	3.94E-04	1.95E-04	1.94E-04	3.89E-04
4598	497863.09, 3859377.25	0.00507	0.00503	7.94E-04	8.21E-04	7.48E-04	7.66E-04	7.23E-04	2.10E-04	2.09E-04	4.19E-04	2.05E-04	2.04E-04	4.09E-04	2.03E-04	2.01E-04	4.03E-04
4599	498363.09, 3859377.25	0.00525	0.00518	8.22E-04	8.46E-04	7.75E-04	7.94E-04	7.49E-04	2.18E-04	2.15E-04	4.33E-04	2.13E-04	2.10E-04	4.22E-04	2.10E-04	2.07E-04	4.17E-04
4600	471363.09, 3859877.25	0.00111	0.00111	1.74E-04	1.81E-04	1.64E-04	1.68E-04	1.58E-04	4.61E-05	4.61E-05	9.21E-05	4.49E-05	4.49E-05	8.99E-05	4.43E-05	4.43E-05	8.87E-05
4601	471863.09, 3859877.25	0.00114	0.00114	1.79E-04	1.86E-04	1.68E-04	1.72E-04	1.63E-04	4.73E-05	4.73E-05	9.46E-05	4.62E-05	4.62E-05	9.23E-05	4.55E-05	4.55E-05	9.11E-05
4602	472363.09, 3859877.25	0.00116	0.00116	1.82E-04	1.89E-04	1.71E-04	1.75E-04	1.65E-04	4.81E-05	4.81E-05	9.63E-05	4.70E-05	4.70E-05	9.39E-05	4.63E-05	4.63E-05	9.27E-05
4603	472863.09, 3859877.25	0.0012	0.00119	1.88E-04	1.94E-04	1.77E-04	1.81E-04	1.71E-04	4.98E-05	4.94E-05	9.92E-05	4.86E-05	4.82E-05	9.68E-05	4.79E-05	4.75E-05	9.55E-05
4604	473363.09, 3859877.25	0.00123	0.00122	1.93E-04	1.99E-04	1.82E-04	1.86E-04	1.75E-04	5.10E-05	5.06E-05	1.02E-04	4.98E-05	4.94E-05	9.92E-05	4.91E-05	4.87E-05	9.79E-05
4605	473863.09, 3859877.25	0.00126	0.00125	1.97E-04	2.04E-04	1.86E-04	1.90E-04	1.80E-04	5.23E-05	5.19E-05	1.04E-04	5.10E-05	5.06E-05	1.02E-04	5.03E-05	4.99E-05	1.00E-04
4606	474363.09, 3859877.25	0.00121	0.00123	1.90E-04	2.01E-04	1.79E-04	1.83E-04	1.73E-04	5.02E-05	5.10E-05	1.01E-04	4.90E-05	4.98E-05	9.88E-05	4.83E-05	4.91E-05	9.75E-05
4607	474863.09, 3859877.25	0.00113	0.00117	1.77E-04	1.91E-04	1.67E-04	1.71E-04	1.61E-04	4.69E-05	4.85E-05	9.54E-05	4.57E-05	4.74E-05	9.31E-05	4.51E-05	4.67E-05	9.19E-05
4608	475363.09, 3859877.25	0.00098	0.00101	1.54E-04	1.65E-04	1.45E-04	1.48E-04	1.40E-04	4.07E-05	4.19E-05	8.26E-05	3.97E-05	4.09E-05	8.06E-05	3.91E-05	4.03E-05	7.95E-05
4609	475863.09, 3859877.25	0.00084	0.00085	1.32E-04	1.39E-04	1.24E-04	1.27E-04	1.20E-04	3.48E-05	3.53E-05	7.01E-05	3.40E-05	3.44E-05	6.84E-05	3.36E-05	3.40E-05	6.75E-05
4610	476363.09, 3859877.25	0.00075	0.00075	1.17E-04	1.22E-04	1.11E-04	1.13E-04	1.07E-04	3.11E-05	3.11E-05	6.22E-05	3.04E-05	3.04E-05	6.07E-05	3.00E-05	3.00E-05	5.99E-05
4611	476863.09, 3859877.25	0.00079	0.00079	1.24E-04	1.29E-04	1.17E-04	1.19E-04	1.13E-04	3.28E-05	3.28E-05	6.56E-05	3.20E-05	3.20E-05	6.40E-05	3.16E-05	3.16E-05	6.31E-05
4612	477363.09, 3859877.25	0.00082	0.00082	1.28E-04	1.34E-04	1.21E-04	1.24E-04	1.17E-04	3.40E-05	3.40E-05	6.80E-05	3.32E-05	3.32E-05	6.64E-05	3.28E-05	3.28E-05	6.55E-05
4613	477863.09, 3859877.25	0.00094	0.00096	1.47E-04	1.57E-04	1.39E-04	1.42E-04	1.34E-04	3.90E-05	3.98E-05	7.88E-05	3.81E-05	3.89E-05	7.69E-05	3.76E-05	3.83E-05	7.59E-05
4614	478363.09, 3859877.25	0.00109	0.00114	1.71E-04	1.86E-04	1.61E-04	1.65E-04	1.55E-04	4.52E-05	4.73E-05	9.25E-05	4.41E-05	4.62E-05	9.03E-05	4.35E-05	4.55E-05	8.91E-05
4615	478863.09, 3859877.25	0.00129	0.00135	2.02E-04	2.20E-04	1.90E-04	1.95E-04	1.84E-04	5.35E-05	5.60E-05	1.10E-04	5.22E-05	5.47E-05	1.07E-04	5.15E-05	5.39E-05	1.05E-04
4616	479363.09, 3859877.25	0.00153	0.00155	2.40E-04	2.53E-04	2.26E-04	2.31E-04	2.18E-04	6.35E-05	6.43E-05	1.28E-04	6.19E-05	6.28E-05	1.25E-04	6.11E-05	6.19E-05	1.23E-04
4617	479863.09, 3859877.25	0.00172	0.00169	2.69E-04	2.76E-04	2.54E-04	2.60E-04	2.45E-04	7.14E-05	7.01E-05	1.41E-04	6.96E-05	6.84E-05	1.38E-04	6.87E-05	6.75E-05	1.36E-04
4618	480363.09, 3859877.25	0.00188	0.00181	2.95E-04	2.95E-04	2.77E-04	2.84E-04	2.68E-04	7.80E-05	7.51E-05	1.53E-04	7.61E-05	7.33E-05	1.49E-04	7.51E-05	7.23E-05	1.47E-04
4619	480863.09, 3859877.25	0.002	0.0019	3.13E-04	3.10E-04	2.95E-04	3.02E-04	2.85E-04	8.30E-05	7.88E-05	1.62E-04	8.10E-05	7.69E-05	1.58E-04	7.99E-05	7.59E-05	1.56E-04
4620	481363.09, 3859877.25	0.0021	0.00198	3.29E-04	3.23E-04	3.10E-04	3.17E-04	2.99E-04	8.71E-05	8.21E-05	1.69E-04	8.50E-05	8.02E-05	1.65E-04	8.39E-05	7.91E-05	1.63E-04
4621	481863.09, 3859877.25	0.0022	0.00207	3.45E-04	3.38E-04	3.25E-04	3.33E-04	3.14E-04	9.13E-05	8.59E-05	1.77E-04	8.91E-05	8.38E-05	1.73E-04	8.79E-05	8.27E-05	1.71E-04
4622	482363.09, 3859877.25	0.00232	0.00217	3.63E-04	3.54E-04	3.42E-04	3.51E-04	3.31E-04	9.63E-05	9.00E-05	1.86E-04	9.39E-05	8.79E-05	1.82E-04	9.27E-05	8.67E-05	1.79E-04
4623	482863.09, 3859877.25	0.00243	0.00226	3.81E-04	3.69E-04	3.59E-04	3.67E-04	3.46E-04	1.01E-04	9.38E-05	1.95E-04	9.84E-05	9.15E-05	1.90E-04	9.71E-05	9.03E-05	1.87E-04
4624	483363.09, 3859877.25	0.00257	0.00238	4.03E-04	3.88E-04	3.79E-04	3.88E-04	3.66E-04	1.07E-04	9.87E-05	2.05E-04	1.04E-04	9.64E-05	2.00E-04	1.03E-04	9.51E-05	1.98E-04
4625	483863.09, 3859877.25	0.00279	0.00251	4.37E-04	4.10E-04	4.12E-04	4.22E-04	3.98E-04	1.16E-04	1.04E-04	2.20E-04	1.13E-04	1.02E-04	2.15E-04	1.11E-04	1.00E-04	2.12E-04
4626	484363.09, 3859877.25	0.00296	0.00265	4.64E-04	4.33E-04	4.37E-04	4.47E-04	4.22E-04	1.23E-04	1.10E-04	2.33E-04	1.20E-04	1.07E-04	2.27E-04	1.18E-04	1.06E-04	2.24E-04
4627	484863.09, 3859877.25	0.00315	0.00283	4.93E-04	4.62E-04	4.65E-04	4.76E-04	4.49E-04	1.31E-04	1.17E-04	2.48E-04	1.28E-04	1.15E-04	2.42E-04	1.26E-04	1.13E-04	2.39E-04
4628	485363.09, 3859877.25	0.00342	0.00307	5.36E-04	5.01E-04	5.05E-04	5.17E-04	4.88E-04	1.42E-04	1.27E-04	2.69E-04	1.38E-04	1.24E-04	2.63E-04	1.37E-04	1.23E-04	2.59E-04
4629	485863.09, 3859877.25	0.00379	0.00338	5.94E-04	5.52E-04	5.59E-04	5.73E-04	5.40E-04	1.57E-04	1.40E-04	2.97E-04	1.53E-04	1.37E-04	2.90E-04	1.51E-04	1.35E-04	2.86E-04
4630	486363.09, 3859877.25	0.00423	0.00377	6.63E-04	6.15E-04	6.24E-04	6.39E-04	6.03E-04	1.75E-04	1.56E-04	3.32E-04	1.71E-04	1.53E-04	3.24E-04	1.69E-04	1.51E-04	3.20E-04
4631	486863.09, 3859877.25	0.00475	0.00424	7.44E-04	6.92E-04	7.01E-04	7.18E-04	6.77E-04	1.97E-04	1.76E-04	3.73E-04	1.92E-04	1.72E-04	3.64E-04	1.90E-04	1.69E-04	3.59E-04
4632	487363.09, 3859877.25	0.00531	0.00476	8.32E-04	7.77E-04	7.84E-04	8.03E-04	7.57E-04	2.20E-04	1.97E-04	4.18E-04	2.15E-04	1.93E-04	4.08E-04	2.12E-04	1.90E-04	4.02E-04
4633	487863.09, 3859877.25	0.00604	0.0055	9.46E-04	8.98E-04	8.91E-04	9.13E-04	8.61E-04	2.51E-04	2.28E-04	4.79E-04	2.45E-04	2.23E-04	4.67E-04	2.41E-04	2.20E-04	4.61E-04
4634	488363.09, 3859877.25	0.00691	0.00641	1.08E-03	1.05E-03	1.02E-03	1.04E-03	9.85E-04	2.87E-04	2.66E-04	5.53E-04	2.80E-04	2.60E-04	5.39E-04	2.76E-04	2.56E-04	5.32E-04
4635	488863.09, 3859877.25	0.00857	0.00808	1.34E-03	1.32E-03	1.26E-03	1.30E-03	1.22E-03	3.56E-04	3.35E-04	6.91E-04	3.47E-04	3.27E-04	6.74E-04	3.42E-04	3.23E-04	6.65E-04
4636	489363.09, 3859877.25	0.01155	0.01116	1.81E-03	1.82E-03	1.70E-03	1.75E-03	1.65E-03	4.79E-04	4.63E-04	9.42E-04	4.68E-04	4.52E-04	9.19E-04	4.61E-04	4.46E-04	9.07E-04

4637	489863.09, 3859877.25	0.01818	0.01777	2.85E-03	2.90E-03	2.68E-03	2.75E-03	2.59E-03	7.54E-04	7.37E-04	1.49E-03	7.36E-04	7.19E-04	1.46E-03	7.26E-04	7.10E-04	1.44E-03
4638	490363.09, 3859877.25	0.04087	0.04017	6.40E-03	6.56E-03	6.03E-03	6.18E-03	5.83E-03	1.70E-03	1.67E-03	3.36E-03	1.65E-03	1.63E-03	3.28E-03	1.63E-03	1.60E-03	3.24E-03
4639	490863.09, 3859877.25	0.31015	0.34177	4.86E-02	5.58E-02	4.58E-02	4.69E-02	4.42E-02	1.29E-02	1.42E-02	2.70E-02	1.26E-02	1.38E-02	2.64E-02	1.24E-02	1.37E-02	2.60E-02
4640	491363.09, 3859877.25	0.06003	0.05988	9.40E-03	9.77E-03	8.86E-03	9.07E-03	8.56E-03	2.49E-03	2.48E-03	4.97E-03	2.43E-03	2.42E-03	4.85E-03	2.40E-03	2.39E-03	4.79E-03
4641	491863.09, 3859877.25	0.03041	0.03018	4.76E-03	4.93E-03	4.49E-03	4.60E-03	4.34E-03	1.26E-03	1.25E-03	2.51E-03	1.23E-03	1.22E-03	2.45E-03	1.21E-03	1.21E-03	2.42E-03
4642	492363.09, 3859877.25	0.02064	0.02043	3.23E-03	3.33E-03	3.05E-03	3.12E-03	2.94E-03	8.56E-04	8.48E-04	1.70E-03	8.36E-04	8.27E-04	1.66E-03	8.25E-04	8.16E-04	1.64E-03
4643	492863.09, 3859877.25	0.01515	0.01496	2.37E-03	2.44E-03	2.24E-03	2.29E-03	2.16E-03	6.29E-04	6.21E-04	1.25E-03	6.13E-04	6.06E-04	1.22E-03	6.05E-04	5.98E-04	1.20E-03
4644	493363.09, 3859877.25	0.01249	0.01229	1.96E-03	2.01E-03	1.84E-03	1.89E-03	1.78E-03	5.18E-04	5.10E-04	1.03E-03	5.06E-04	4.98E-04	1.00E-03	4.99E-04	4.91E-04	9.90E-04
4645	493863.09, 3859877.25	0.01074	0.01052	1.68E-03	1.72E-03	1.59E-03	1.62E-03	1.53E-03	4.46E-04	4.36E-04	8.82E-04	4.35E-04	4.26E-04	8.61E-04	4.29E-04	4.20E-04	8.49E-04
4646	494363.09, 3859877.25	0.00925	0.00905	1.45E-03	1.48E-03	1.37E-03	1.40E-03	1.32E-03	3.84E-04	3.75E-04	7.59E-04	3.74E-04	3.66E-04	7.41E-04	3.70E-04	3.62E-04	7.31E-04
4647	494863.09, 3859877.25	0.00845	0.00826	1.32E-03	1.35E-03	1.25E-03	1.28E-03	1.20E-03	3.51E-04	3.43E-04	6.93E-04	3.42E-04	3.34E-04	6.76E-04	3.38E-04	3.30E-04	6.68E-04
4648	495363.09, 3859877.25	0.00764	0.00748	1.20E-03	1.22E-03	1.13E-03	1.15E-03	1.09E-03	3.17E-04	3.10E-04	6.27E-04	3.09E-04	3.03E-04	6.12E-04	3.05E-04	2.99E-04	6.04E-04
4649	495863.09, 3859877.25	0.00694	0.00681	1.09E-03	1.11E-03	1.02E-03	1.05E-03	9.90E-04	2.88E-04	2.83E-04	5.70E-04	2.81E-04	2.76E-04	5.57E-04	2.77E-04	2.72E-04	5.49E-04
4650	496363.09, 3859877.25	0.00613	0.00606	9.60E-04	9.89E-04	9.05E-04	9.27E-04	8.74E-04	2.54E-04	2.51E-04	5.06E-04	2.48E-04	2.45E-04	4.94E-04	2.45E-04	2.42E-04	4.87E-04
4651	496863.09, 3859877.25	0.00508	0.00506	7.96E-04	8.26E-04	7.50E-04	7.68E-04	7.24E-04	2.11E-04	2.10E-04	4.21E-04	2.06E-04	2.05E-04	4.11E-04	2.03E-04	2.02E-04	4.05E-04
4652	497363.09, 3859877.25	0.00539	0.00536	8.44E-04	8.75E-04	7.95E-04	8.15E-04	7.69E-04	2.24E-04	2.22E-04	4.46E-04	2.18E-04	2.17E-04	4.35E-04	2.15E-04	2.14E-04	4.29E-04
4653	497863.09, 3859877.25	0.00584	0.00576	9.15E-04	9.40E-04	8.62E-04	8.83E-04	8.33E-04	2.42E-04	2.39E-04	4.81E-04	2.36E-04	2.33E-04	4.70E-04	2.33E-04	2.30E-04	4.63E-04
4654	498363.09, 3859877.25	0.00607	0.00597	9.51E-04	9.74E-04	8.96E-04	9.18E-04	8.65E-04	2.52E-04	2.48E-04	5.00E-04	2.46E-04	2.42E-04	4.87E-04	2.42E-04	2.38E-04	4.81E-04
4655	471363.09, 3860377.25	0.00109	0.00108	1.71E-04	1.76E-04	1.61E-04	1.65E-04	1.55E-04	4.52E-05	4.48E-05	9.00E-05	4.41E-05	4.37E-05	8.79E-05	4.35E-05	4.31E-05	8.67E-05
4656	471863.09, 3860377.25	0.00111	0.0011	1.74E-04	1.80E-04	1.64E-04	1.68E-04	1.58E-04	4.61E-05	4.56E-05	9.17E-05	4.49E-05	4.45E-05	8.95E-05	4.43E-05	4.39E-05	8.83E-05
4657	472363.09, 3860377.25	0.00114	0.00113	1.79E-04	1.84E-04	1.68E-04	1.72E-04	1.63E-04	4.73E-05	4.69E-05	9.42E-05	4.62E-05	4.57E-05	9.19E-05	4.55E-05	4.51E-05	9.07E-05
4658	472863.09, 3860377.25	0.00117	0.00116	1.83E-04	1.89E-04	1.73E-04	1.77E-04	1.67E-04	4.85E-05	4.81E-05	9.67E-05	4.74E-05	4.70E-05	9.43E-05	4.67E-05	4.63E-05	9.31E-05
4659	473363.09, 3860377.25	0.0012	0.00119	1.88E-04	1.94E-04	1.77E-04	1.81E-04	1.71E-04	4.98E-05	4.94E-05	9.92E-05	4.86E-05	4.82E-05	9.68E-05	4.79E-05	4.75E-05	9.55E-05
4660	473863.09, 3860377.25	0.00122	0.00121	1.91E-04	1.98E-04	1.80E-04	1.84E-04	1.74E-04	5.06E-05	5.02E-05	1.01E-04	4.94E-05	4.90E-05	9.84E-05	4.87E-05	4.83E-05	9.71E-05
4661	474363.09, 3860377.25	0.00122	0.00122	1.91E-04	1.99E-04	1.80E-04	1.84E-04	1.74E-04	5.06E-05	5.06E-05	1.01E-04	4.94E-05	4.94E-05	9.88E-05	4.87E-05	4.87E-05	9.75E-05
4662	474863.09, 3860377.25	0.0012	0.00121	1.88E-04	1.98E-04	1.77E-04	1.81E-04	1.71E-04	4.98E-05	5.02E-05	1.00E-04	4.86E-05	4.90E-05	9.76E-05	4.79E-05	4.83E-05	9.63E-05
4663	475363.09, 3860377.25	0.00113	0.00116	1.77E-04	1.89E-04	1.67E-04	1.71E-04	1.61E-04	4.69E-05	4.81E-05	9.50E-05	4.57E-05	4.70E-05	9.27E-05	4.51E-05	4.63E-05	9.15E-05
4664	475863.09, 3860377.25	0.00107	0.0011	1.68E-04	1.80E-04	1.58E-04	1.62E-04	1.53E-04	4.44E-05	4.56E-05	9.00E-05	4.33E-05	4.45E-05	8.79E-05	4.27E-05	4.39E-05	8.67E-05
4665	476363.09, 3860377.25	0.00098	0.00102	1.54E-04	1.66E-04	1.45E-04	1.48E-04	1.40E-04	4.07E-05	4.23E-05	8.30E-05	3.97E-05	4.13E-05	8.10E-05	3.91E-05	4.07E-05	7.99E-05
4666	476863.09, 3860377.25	0.00096	0.00099	1.50E-04	1.62E-04	1.42E-04	1.45E-04	1.37E-04	3.98E-05	4.11E-05	8.09E-05	3.89E-05	4.01E-05	7.89E-05	3.83E-05	3.95E-05	7.79E-05
4667	477363.09, 3860377.25	0.00086	0.00087	1.35E-04	1.42E-04	1.27E-04	1.30E-04	1.23E-04	3.57E-05	3.61E-05	7.18E-05	3.48E-05	3.52E-05	7.00E-05	3.44E-05	3.48E-05	6.91E-05
4668	477863.09, 3860377.25	0.00092	0.00094	1.44E-04	1.53E-04	1.36E-04	1.39E-04	1.31E-04	3.82E-05	3.90E-05	7.72E-05	3.72E-05	3.81E-05	7.53E-05	3.68E-05	3.76E-05	7.43E-05
4669	478363.09, 3860377.25	0.00108	0.00113	1.69E-04	1.84E-04	1.59E-04	1.63E-04	1.54E-04	4.48E-05	4.69E-05	9.17E-05	4.37E-05	4.57E-05	8.95E-05	4.31E-05	4.51E-05	8.83E-05
4670	478863.09, 3860377.25	0.00126	0.0013	1.97E-04	2.12E-04	1.86E-04	1.90E-04	1.80E-04	5.23E-05	5.39E-05	1.06E-04	5.10E-05	5.26E-05	1.04E-04	5.03E-05	5.19E-05	1.02E-04
4671	479363.09, 3860377.25	0.00147	0.00148	2.30E-04	2.42E-04	2.17E-04	2.22E-04	2.10E-04	6.10E-05	6.14E-05	1.22E-04	5.95E-05	5.99E-05	1.19E-04	5.87E-05	5.91E-05	1.18E-04
4672	479863.09, 3860377.25	0.00165	0.00162	2.58E-04	2.64E-04	2.44E-04	2.49E-04	2.35E-04	6.85E-05	6.72E-05	1.36E-04	6.68E-05	6.56E-05	1.32E-04	6.59E-05	6.47E-05	1.31E-04
4673	480363.09, 3860377.25	0.00179	0.00172	2.80E-04	2.81E-04	2.64E-04	2.71E-04	2.55E-04	7.43E-05	7.14E-05	1.46E-04	7.25E-05	6.96E-05	1.42E-04	7.15E-05	6.87E-05	1.40E-04
4674	480863.09, 3860377.25	0.00191	0.00181	2.99E-04	2.95E-04	2.82E-04	2.89E-04	2.72E-04	7.92E-05	7.51E-05	1.54E-04	7.73E-05	7.33E-05	1.51E-04	7.63E-05	7.23E-05	1.49E-04
4675	481363.09, 3860377.25	0.00198	0.00188	3.10E-04	3.07E-04	2.92E-04	2.99E-04	2.82E-04	8.21E-05	7.80E-05	1.60E-04	8.02E-05	7.61E-05	1.56E-04	7.91E-05	7.51E-05	1.54E-04
4676	481863.09, 3860377.25	0.0021	0.00198	3.29E-04	3.23E-04	3.10E-04	3.17E-04	2.99E-04	8.71E-05	8.21E-05	1.69E-04	8.50E-05	8.02E-05	1.65E-04	8.39E-05	7.91E-05	1.63E-04
4677	482363.09, 3860377.25	0.0022	0.00206	3.45E-04	3.36E-04	3.25E-04	3.33E-04	3.14E-04	9.13E-05	8.55E-05	1.77E-04	8.91E-05	8.34E-05	1.72E-04	8.79E-05	8.23E-05	1.70E-04
4678	482863.09, 3860377.25	0.00228	0.00214	3.57E-04	3.49E-04	3.36E-04	3.45E-04	3.25E-04	9.46E-05	8.88E-05	1.83E-04	9.23E-05	8.66E-05	1.79E-04	9.11E-05	8.55E-05	1.77E-04
4679	483363.09, 3860377.25	0.00242	0.00225	3.79E-04	3.67E-04	3.57E-04	3.66E-04	3.45E-04	1.00E-04	9.33E-05	1.94E-04	9.80E-05	9.11E-05	1.89E-04	9.67E-05	8.99E-05	1.87E-04
4680	483863.09, 3860377.25	0.00253	0.00235	3.96E-04	3.84E-04	3.73E-04	3.82E-04	3.61E-04	1.05E-04	9.75E-05	2.02E-04	1.02E-04	9.51E-05	1.98E-04	1.01E-04	9.39E-05	1.95E-04
4681	484363.09, 3860377.25	0.00269	0.00247	4.21E-04	4.03E-04	3.97E-04	4.07E-04	3.84E-04	1.12E-04	1.02E-04	2.14E-04	1.09E-04	1.00E-04	2.09E-04	1.07E-04	9.87E-05	2.06E-04
4682	484863.09, 3860377.25	0.00282	0.0026	4.42E-04	4.24E-04	4.16E-04	4.26E-04	4.02E-04	1.17E-04	1.08E-04	2.25E-04	1.14E-04	1.05E-04	2.19E-04	1.13E-04	1.04E-04	2.17E-04
4683	485363.09, 3860377.25	0.00298	0.00275	4.67E-04	4.49E-04	4.40E-04	4.50E-04	4.25E-04	1.24E-04	1.14E-04	2.38E-04	1.21E-04	1.11E-04	2.32E-04	1.19E-04	1.10E-04	2.29E-04
4684	485863.09, 3860377.25	0.00322	0.00296	5.04E-04	4.83E-04	4.75E-04	4.87E-04	4.59E-04	1.34E-04	1.23E-04	2.56E-04	1.30E-04	1.20E-04	2.50E-04	1.29E-04	1.18E-04	2.47E-04
4685	486363.09, 3860377.25	0.00351	0.00322	5.50E-04	5.26E-04	5.18E-04	5.31E-04	5.00E-04	1.46E-04	1.34E-04	2.79E-04	1.42E-04	1.30E-04	2.72E-04	1.40E-04	1.29E-04	2.69E-04
4686	486863.09, 3860377.25	0.00383	0.00352	6.00E-04	5.75E-04	5.65E-04	5.79E-04	5.46E-04	1.59E-04	1.46E-04	3.05E-04	1.55E-04	1.43E-04	2.98E-04	1.53E-04	1.41E-04	2.94E-04
4687	487363.09, 3860377.25	0.00422	0.00388	6.61E-04	6.33E-04	6.23E-04	6.38E-04	6.02E-04	1.75E-04	1.61E-04	3.36E-04	1.71E-04	1.57E-04	3.28E-04	1.69E-04	1.55E-04	3.24E-04
4688	487863.09, 3860377.25	0.00474	0.0044	7.43E-04	7.18E-04	7.00E-04	7.17E-04	6.76E-04	1.97E-04	1.83E-04	3.79E-04	1.92E-04	1.78E-04	3.70E-04	1.89E-04	1.76E-04	3.65E-04
4689	488363.09, 3860377.25	0.00533	0.00503	8.35E-04	8.21E-04	7.87E-04	8.06E-04	7.60E-04	2.21E-04	2.09E-04	4.30E-04	2.16E-04	2.04E-04	4.19E-04	2.13E-04	2.01E-04	4.14E-04
4690	488863.09, 3860377.25	0.00611	0.00587	9.57E-04	9.58E-04	9.02E-04	9.24E-04	8.71E-04	2.53E-04	2.44E-04	4.97E-04	2.47E-04	2.38E-04	4.85E-04	2.44E-04	2.34E-04	4.79E-04
4691	489363.09, 3860377.25	0.00718	0.00697	1.12E-03	1.14E-03	1.06E-03	1.09E-03	1.02E-03	2.98E-04	2.89E-04	5.87E-04	2.91E-04	2.82E-04	5.73E-04	2.87E-04	2.78E-04	5.65E-04
4692	489863.09, 3860377.25	0.00864	0.00845	1.35E-03	1.38E-03	1.28E-03	1.31E-03	1.23E-03	3.58E-04	3.51E-04	7.09E-04	3.50E-04	3.42E-04	6.92E-04	3.45E-04	3.38E-04	6.83E-04
4693	490363.09, 3860377.25	0.01108	0.01088	1.74E-03	1.78E-03	1.64E-03	1.67E-03	1.58E-03	4.60E-04	4.51E-04	9.11E-04	4.49E-04	4.40E-04	8.89E-04	4.43E-04	4.35E-04	8.77E-04
4694	490863.09, 3860377.25	0.01676	0.01654	2.63E-03	2.70E-03	2.47E-03	2.53E-03	2.39E-03	6.95E-04	6.86E-04	1.38E-03	6.79E-04	6.70E-04	1.35E-03	6.70E-04	6.61E-04	1.33E-03
4695	491363.09, 3860377.25	0.05062	0.04943	7.93E-03	8.07E-03	7.47E-03	7.65E-03	7.22E-03	2.10E-03	2.05E-03	4.15E-03	2.05E-03	2.00E-03	4.05E-03	2.02E-03	1.97E-03	4.00E-03
4696	491863.09, 3860377.25	0.08681	0.08952	1.36E-02	1.46E-02	1.28E-02	1.31E-02	1.24E-02	3.60E-03	3.71E-03	7.32E-03	3.51E-03	3.62E-03	7.14E-03	3.47E-03	3.58E-03	7.04E-03
4697	492363.09, 3860377.25	0.03491	0.03533	5.47E-03	5.77E-03	5.15E-03	5.28E-03	4.98E-03	1.45E-03	1.47E-03	2.91E-03	1.41E-03	1.43E-03	2.84E-03	1.39E-03	1.41E-03	2.81E-03
4698	492863.09, 3860377.25	0.02346	0.02349	3.68E-03	3.83E-03	3.46E-03	3.55E-03	3.35E-03	9.73E-04	9.75E-04	1.95E-03	9.50E-04	9.51E-04	1.90E-03	9.37E-04	9.38E-04	1.88E-03
4699	493363.09, 3860377.25	0.01696	0.01689	2.66E-03	2.76E-03	2.50E-03	2.56E-03	2.42E-03	7.04E-04	7.01E-04	1.40E-03	6.87E-04	6.84E-04	1.37E-03	6.77E-04	6.75E-04	1.35E-03
4700	493863.09, 3860377.25	0.01456	0.01444	2.28E-03	2.36E-03	2.15E-03	2.20E-03	2.08E-03	6.04E-04	5.99E-04	1.20E-03	5.89E-04	5.85E-04	1.17E-03	5.82E-04	5.77E-04	1.16E-03
4701	494363.09, 3860377.25	0.01218	0.01203	1.91E-03	1.96E-03	1.80E-03	1.84E-03	1.74E-03	5.05E-04	4.99E-04	1.00E-03	4.93E-04	4.87E-04	9.80E-04	4.87E-04	4.81E-04	9.67E-04
4702	494863.09, 3860377.25	0.01122	0.01104	1.76E-03	1.80E-03	1.66E-03	1.70E-03	1.60E-03	4.65E-04	4.58E-04	9.24E-04	4.54E-04	4.47E-04	9.01E-04	4.48E-04	4.41E-04	8.89E-04
4703	495363.09, 3860377.25	0.00991	0.00974	1.55E-03	1.59E-03	1.46E-03	1.50E-03	1.41E-03	4.11E-04	4.04E-04	8.15E-04	4.01E-04	3.94E-04	7.96E-04	3.96E-04	3.89E-04	7.85E-04
4704	495863.09, 3860377.25	0.0084	0.00825	1.32E-03	1.35E-03	1.24E-03	1.27E-03	1.20E-03	3.48E-04	3.42E-04	6.91E-04	3.40E-04	3.34E-04	6.74E-04	3.36E-04	3.30E-04	6.65E-04
4705	496363.09, 3860377.25	0.00732	0.00721	1.15E-03	1.18E-03	1.08E-03	1.11E-03	1.04E-03	3.04E-04	2.99E-04	6.03E-04	2.96E-04	2.92E-04	5.88E-04	2.92E-04	2.88E-04	5.80E-04
4706	496863.09, 3860377.25	0.00662	0.00654	1.04E-03	1.07E-03	9.77E-04	1.00E-03	9.44E-04	2.75E-04	2.71E-04	5.46E-04	2.68E-04	2.65E-04	5.33E-04	2.64E-04	2.61E-04	5.26E-04
4707	497363.09, 3860377.25	0.0059	0.00586	9.24E-04	9.57E-04	8.71E-04	8.92E-04	8.41E-04	2.45E-04	2.43E-04	4.88E-04	2.39E-04	2.37E-04	4.76E-04	2.36E-04	2.34E-04	4.70E-04
4708	497863.09, 3860377.25	0.00626	0.00619	9.81E-04	1.01E-03	9.24E-04	9.46E-04	8.93E-04	2.60E-04	2.57E-04	5.17E-04	2.53E-04	2.51E-04	5.04E-04	2.50E-04	2.47E-04	4.97E-04
4709	498363.09, 3860377.25	0.00668	0.00657	1.05E-03	1.07E-03	9.86E-04	1.01E-03	9.52E-04	2.77E-04	2.73E-04	5.50E-04	2.70E-04	2.66E-04	5.36E-04	2.67E-04	2.62E-04	5.29E-04
4710	471363.09, 3860877.25	0.00107	0.00106	1.68E-04	1.73E-04	1.58E-04	1.62E-04	1.53E-04	4.44E-05	4.40E-05	8.84E-05	4.33E-05	4.29E-05	8.62E-05	4.27E-05	4.23E-05	8.51E-05
4711	471863.09, 3860877.25	0.00109	0.00108	1.71E-04	1.76E-04	1.61E-04	1.65E-04	1.55E-04	4.52E-05	4.48E-05	9.00E-05	4.41E-05	4.37E-05	8.79E-05	4.35E-05	4.31E-05	8.67E-05
4712	472363.09, 3860877.25	0.00112	0.0011	1.75E-04	1.80E-04	1.65E-04	1.69E-04	1.60E-04	4.65E-05	4.56E-05	9.21E-05	4.53E-05	4.45E-05	8.99E-05	4.47E-05	4.39E-05	8.87E-05
4713	472863.09, 3860877.25	0.00114	0.00113	1.79E-04	1.84E-04	1.68E-04	1.72E-04	1.63E-04	4.73E-05	4.69E-05	9.42E-05	4.62E-05	4.57E-05	9.19E-05	4.55E-05	4.51E-05	9.07E-05
4714	473363.09, 3860877.25	0.00117	0.00115	1.83E-04	1.88E-04	1.73E-04	1.77E-04	1.67E-04	4.85E-05	4.77E-05	9.63E-05	4.74E-05	4.66E-05	9.39E-05	4.67E-05	4.59E-05	9.27E-05
4715	473863.09, 3860877.25	0.00119	0.00117	1.86E-04	1.91E-04	1.76E-04	1.80E-04	1.70E-04	4.94E-05	4.85E-05	9.79E-05	4.82E-05	4.74E-05	9.55E-05	4.75E-05	4.67E-05	9.43E-05
4716	474363.09, 3860877.25	0.00121	0.00119	1.90E-04	1.94E-04	1.79E-04	1.83E-04	1.73E-04	5.02E-05	4.94E-05	9.96E-05	4.90E-05	4.82E-05	9.72E-05	4.83E-05	4.75E-05	9.59E-05
4717	474863.09, 3860877.25	0.00123	0.00121	1.93E-04	1.98E-04	1.82E-04	1.86E-04	1.75E-04	5.10E-05	5.02E-05	1.01E-04	4.98E-05	4.90E-05	9.88E-05	4.91E-05	4.83E-05	9.75E-05
4718	475363.09, 3860877.25	0.00122	0.00121	1.91E-04	1.98E-04	1.80E-04	1.84E-04	1.74E-04	5.06E-05	5.02E-05	1.01E-04	4.94E-05	4.90E-05	9.84E-05	4.87E-05	4.83E-05	9.71E-05
4719	475863.09, 3860877.25	0.00119	0.0012	1.86E-04	1.96E-04	1.76E-04	1.80E-04	1.70E-04	4.94E-05	4.98E-05	9.92E-05	4.82E-05	4.86E-05	9.68E-05	4.75E-05	4.79E-05	9.55E-05
4720	476363.09, 3860877.25	0.00113	0.00116	1.77E-04	1.89E-04	1.67E-04	1.71E-04	1.61E-04	4.69E-05	4.81E-05	9.50E-05	4.57E-05	4.70E-05	9.27E-05	4.51E-05	4.63E-05	9.15E-05
4721	476863.09, 3860877.25	0.00111	0.00114	1.74E-04	1.86E-04	1.64E-04	1.68E-04	1.58E-04	4.61E-05	4.73E-05	9.33E-05	4.49E-05	4.62E-05	9.11E-05	4.43E-05	4.55E-05	8.99E-05
4722	477363.09, 3860877.25	0.00112	0.00116	1.75E-04	1.89E-04	1.65E-04	1.69E-04	1.60E-04	4.65E-05	4.81E-05	9.46E-05	4.53E-05	4.70E-05	9.23E-05	4.47E-05	4.63E-05	9.11E-05
4723	477863.09, 3860877.25	0.00107	0.00111	1.68E-04	1.81E-04	1.58E-04	1.62E-04	1.53E-04	4.44E-05	4.61E-05	9.04E-05	4.33E-05	4.49E-05	8.83E-05	4.27E-05	4.43E-05	8.71E-05
4724	478363.09, 3860877.25	0.00094	0.00096	1.47E-04	1.57E-04	1.39E-04	1.42E-04	1.34E-04	3.90E-05	3.98E-05	7.88E-05	3.81E-05	3.89E-05	7.69E-05	3.76E-05	3.83E-05	7.59E-05
4725	478863.09, 3860877.25	0.00119	0.00123	1.86E-04	2.01E-04	1.76E-04	1.80E-04	1.70E-04	4.94E-05	5.10E-05	1.00E-04	4.82E-05	4.98E-05	9.80E-05	4.75E-05	4.91E-05	9.67E-05
4726	479363.09, 3860877.25	0.00141	0.00141	2.21E-04	2.30E-04	2.08E-04	2.13E-04	2.01E-04	5.85E-05	5.85E-05	1.17E-04	5.71E-05	5.71E-05	1.14E-04	5.63E-05	5.63E-05	1.13E-04
4727	479863.09, 3860877.25	0.00157	0.00154	2.46E-04	2.51E-04	2.32E-04	2.37E-04	2.24E-04	6.51E-05	6.39E-05	1.29E-04	6.36E-05	6.23E-05	1.26E-04	6.27E-05	6.15E-05	1.24E-04
4728	480363.09, 3860877.25	0.0017	0.00164	2.66E-04	2.68E-04	2.51E-04	2.57E-04	2.42E-04	7.05E-05	6.80E-05	1.39E-04	6.88E-05	6.64E-05	1.35E-04	6.79E-05	6.55E-05	1.33E-04
4729	480863.09, 3860877.25	0.00178	0.0017	2.79E-04	2.77E-04	2.63E-04	2.69E-04	2.54E-04	7.38E-05	7.05E-05	1.44E-04	7.21E-05	6.88E-05	1.41E-04	7.11E-05	6.79E-05	1.39E-04
4730	481363.09, 3860877.25	0.00186	0.00178	2.91E-04	2.91E-04	2.75E-04	2.81E-04	2.65E-04	7.72E-05	7.38E-05	1.51E-04	7.53E-05	7.21E-05	1.47E-04	7.43E-05	7.11E-05	1.45E-04
4731	481863.09, 3860877.25	0.00195	0.00185	3.05E-04	3.02E-04	2.88E-04	2.95E-04	2.78E-04	8.09E-05	7.68E-05	1.58E-04	7.89E-05	7.49E-05	1.54E-04	7.79E-05	7.39E-05	1.52E-04
4732	482363.09, 3860877.25	0.00204	0.00192	3.20E-04	3.13E-04	3.01E-04	3.08E-04	2.91E-04	8.46E-05	7.97E-05	1.64E-04	8.26E-05	7.77E-05	1.60E-04	8.15E-05	7.67E-05	1.58E-04
4733	482863.09, 3860877.25	0.00211	0.00199	3.31E-04	3.25E-04	3.11E-04	3.19E-04	3.01E-04	8.75E-05	8.26E-05	1.70E-04	8.54E-05	8.06E-05	1.66E-04	8.43E-05	7.95E-05	1.64E-04
4734	483363.09, 3860877.25	0.00221	0.00208	3.46E-04	3.40E-04	3.26E-04	3.34E-04	3.15E-04	9.17E-05	8.63E-05	1.78E-04	8.95E-05	8.42E-05	1.74E-04	8.83E-05	8.31E-05	1.71E-04
4735	483863.09, 3860877.25	0.00232	0.00218	3.63E-04	3.56E-04	3.42E-04	3.51E-04	3.31E-04	9.63E-05	9.04E-05	1.87E-04	9.39E-05	8.83E-05	1.82E-04	9.27E-05	8.71E-05	1.80E-04
4736	484363.09, 3860877.25	0.00245	0.00229	3.84E-04	3.74E-04	3.62E-04	3.70E-04	3.49E-04	1.02E-04	9.50E-05	1.97E-04	9.92E-05	9.27E-05	1.92E-04	9.79E-05	9.15E-05	1.89E-04
4737	484863.09, 3860877.25	0.00255	0.00239	3.99E-04	3.90E-04	3.76E-04	3.85E-04	3.64E-04	1.06E-04	9.92E-05	2.05E-04	1.03E-04	9.68E-05	2.00E-04	1.02E-04	9.55E-05	1.97E-04
4738	485363.09, 3860877.25	0.00267	0.00252	4.18E-04	4.11E-04	3.94E-04	4.04E-04	3.81E-04	1.11E-04	1.05E-04	2.15E-04	1.08E-04	1.02E-04	2.10E-04	1.07E-04	1.01E-04	2.07E-04
4739	485863.09, 3860877.25	0.00285	0.00269	4.46E-04	4.39E-04	4.21E-04	4.31E-04	4.06E-04	1.18E-04	1.12E-04	2.30E-04	1.15E-04	1.09E-04	2.24E-04	1.14E-04	1.07E-04	2.21E-04
4740	486363.09, 3860877.25	0.00305	0.00287	4.78E-04	4.68E-04	4.50E-04	4.61E-04	4.35E-04	1.27E-04	1.19E-04	2.46E-04	1.23E-04	1.16E-04	2.40E-04	1.22E-04	1.15E-04	2.36E-04
4741	486863.09, 3860877.25	0.00329	0.00309	5.15E-04	5.04E-04	4.86E-04	4.97E-04	4.69E-04	1.36E-04	1.28E-04	2.65E-04	1.33E-04	1.25E-04	2.58E-04	1.31E-04	1.23E-04	2.55E-04
4742	487363.09, 3860877.25	0.00354	0.00332	5.55E-04	5.42E-04	5.22E-04	5.35E-04	5.05E-04	1.47E-04	1.38E-04	2.85E-04	1.43E-04	1.34E-04	2.78E-04	1.41E-04	1.33E-04	2.74E-04
4743	487863.09, 3860877.25	0.00385	0.00361	6.03E-04	5.89E-04	5.68E-04	5.82E-04	5.49E-04	1.60E-04	1.50E-04	3.09E-04	1.56E-04	1.46E-04	3.02E-04	1.54E-04	1.44E-04	2.98E-04
4744	488363.09, 3860877.25	0.00424	0.00401	6.64E-04	6.55E-04	6.26E-04	6.41E-04	6.05E-04	1.76E-04	1.66E-04	3.42E-04	1.72E-04	1.62E-04	3.34E-04	1.69E-04	1.60E-04	3.30E-04
4745	488863.09, 3860877.25	0.00462	0.00444	7.24E-04	7.25E-04	6.82E-04	6.98E-04	6.59E-04	1.92E-04	1.84E-04	3.76E-04	1.87E-04	1.80E-04	3.67E-04	1.85E-04	1.77E-04	3.62E-04
4746	489363.09, 3860877.25	0.00516	0.00504	8.08E-04	8.23E-04	7.62E-04	7.80E-04	7.36E-04	2.14E-04	2.09E-04	4.23E-04	2.09E-04	2.04E-04	4.13E-04	2.06E-04	2.01E-04	4.07E-04
4747	489863.09, 3860877.25	0.00593	0.00583	9.29E-04	9.52E-04	8.75E-04	8.96E-04	8.46E-04	2.46E-04	2.42E-04	4.88E-04	2.40E-04	2.36E-04	4.76E-04	2.37E-04	2.33E-04	4.70E-04
4748	490363.09, 3860877.25	0.00715	0.00701	1.12E-03	1.14E-03	1.06E-03	1.08E-03	1.02E-03	2.97E-04	2.91E-04	5.87E-04	2.89E-04	2.84E-04	5.73E-04	2.86E-04	2.80E-04	5.66E-04
4749	490863.09, 3860877.25	0.00917	0.00904	1.44E-03	1.48E-03	1.35E-03	1.39E-03	1.31E-03	3.80E-04	3.75E-04	7.55E-04	3.71E-04	3.66E-04	7.37E-04	3.66E-04	3.61E-04	7.27E-04
4750	491363.09, 3860877.25	0.0132	0.01304	2.07E-03	2.13E-03	1.95E-03	2.00E-03	1.88E-03	5.48E-04	5.41E-04	1.09E-03	5.34E-04	5.28E-04	1.06E-03	5.27E-04	5.21E-04	1.05E-03
4751	491863.09, 3860877.25	0.02874	0.02836	4.50E-03	4.63E-03	4.24E-03	4.34E-03	4.10E-03	1.19E-03	1.18E-03	2.37E-03	1.16E-03	1.15E-03	2.31E-03	1.15E-03	1.13E-03	2.28E-03
4752	492363.09, 3860877.25	0.15394	0.15527	2.41E-02	2.53E-02	2.27E-02	2.33E-02	2.19E-02	6.39E-03	6.44E-03	1.28E-02	6.23E-03	6.29E-03	1.25E-02	6.15E-03	6.20E-03	1.24E-02

4753	492863.09, 3860877.25	0.04528	0.04547	7.09E-03	7.42E-03	6.68E-03	6.84E-03	6.46E-03	1.88E-03	1.89E-03	3.77E-03	1.83E-03	1.84E-03	3.67E-03	1.81E-03	1.82E-03	3.63E-03
4754	493363.09, 3860877.25	0.02856	0.02864	4.47E-03	4.67E-03	4.22E-03	4.32E-03	4.07E-03	1.18E-03	1.19E-03	2.37E-03	1.16E-03	1.16E-03	2.32E-03	1.14E-03	1.14E-03	2.28E-03
4755	493863.09, 3860877.25	0.02233	0.02232	3.50E-03	3.64E-03	3.30E-03	3.38E-03	3.18E-03	9.26E-04	9.26E-04	1.85E-03	9.04E-04	9.04E-04	1.81E-03	8.92E-04	8.92E-04	1.78E-03
4756	494363.09, 3860877.25	0.0188	0.01873	2.95E-03	3.06E-03	2.77E-03	2.84E-03	2.68E-03	7.80E-04	7.77E-04	1.56E-03	7.61E-04	7.58E-04	1.52E-03	7.51E-04	7.48E-04	1.50E-03
4757	494863.09, 3860877.25	0.01611	0.01602	2.52E-03	2.61E-03	2.38E-03	2.44E-03	2.30E-03	6.68E-04	6.65E-04	1.33E-03	6.52E-04	6.49E-04	1.30E-03	6.44E-04	6.40E-04	1.28E-03
4758	495363.09, 3860877.25	0.01408	0.01398	2.21E-03	2.28E-03	2.08E-03	2.13E-03	2.01E-03	5.84E-04	5.80E-04	1.16E-03	5.70E-04	5.66E-04	1.14E-03	5.62E-04	5.58E-04	1.12E-03
4759	495863.09, 3860877.25	0.01276	0.01265	2.00E-03	2.06E-03	1.88E-03	1.93E-03	1.82E-03	5.29E-04	5.25E-04	1.05E-03	5.17E-04	5.12E-04	1.03E-03	5.10E-04	5.05E-04	1.02E-03
4760	496363.09, 3860877.25	0.01092	0.0108	1.71E-03	1.76E-03	1.61E-03	1.65E-03	1.56E-03	4.53E-04	4.48E-04	9.01E-04	4.42E-04	4.37E-04	8.79E-04	4.36E-04	4.31E-04	8.68E-04
4761	496863.09, 3860877.25	0.0089	0.0088	1.39E-03	1.44E-03	1.31E-03	1.35E-03	1.27E-03	3.69E-04	3.65E-04	7.34E-04	3.60E-04	3.56E-04	7.17E-04	3.56E-04	3.52E-04	7.07E-04
4762	497363.09, 3860877.25	0.00835	0.00825	1.31E-03	1.35E-03	1.23E-03	1.26E-03	1.19E-03	3.46E-04	3.42E-04	6.89E-04	3.38E-04	3.34E-04	6.72E-04	3.34E-04	3.30E-04	6.63E-04
4763	497863.09, 3860877.25	0.00765	0.00756	1.20E-03	1.23E-03	1.13E-03	1.16E-03	1.09E-03	3.17E-04	3.14E-04	6.31E-04	3.10E-04	3.06E-04	6.16E-04	3.06E-04	3.02E-04	6.08E-04
4764	498363.09, 3860877.25	0.00773	0.00764	1.21E-03	1.25E-03	1.14E-03	1.17E-03	1.10E-03	3.21E-04	3.17E-04	6.38E-04	3.13E-04	3.09E-04	6.22E-04	3.09E-04	3.05E-04	6.14E-04
4765	471363.09, 3861377.25	0.00105	0.00104	1.64E-04	1.70E-04	1.55E-04	1.59E-04	1.50E-04	4.36E-05	4.31E-05	8.67E-05	4.25E-05	4.21E-05	8.46E-05	4.19E-05	4.15E-05	8.35E-05
4766	471863.09, 3861377.25	0.00107	0.00106	1.68E-04	1.73E-04	1.58E-04	1.62E-04	1.53E-04	4.44E-05	4.40E-05	8.84E-05	4.33E-05	4.29E-05	8.62E-05	4.27E-05	4.23E-05	8.51E-05
4767	472363.09, 3861377.25	0.00109	0.00108	1.71E-04	1.76E-04	1.61E-04	1.65E-04	1.55E-04	4.52E-05	4.48E-05	9.00E-05	4.41E-05	4.37E-05	8.79E-05	4.35E-05	4.31E-05	8.67E-05
4768	472863.09, 3861377.25	0.00112	0.0011	1.75E-04	1.80E-04	1.65E-04	1.69E-04	1.60E-04	4.65E-05	4.56E-05	9.21E-05	4.53E-05	4.45E-05	8.99E-05	4.47E-05	4.39E-05	8.87E-05
4769	473363.09, 3861377.25	0.00114	0.00112	1.79E-04	1.83E-04	1.68E-04	1.72E-04	1.63E-04	4.73E-05	4.65E-05	9.38E-05	4.62E-05	4.53E-05	9.15E-05	4.55E-05	4.47E-05	9.03E-05
4770	473863.09, 3861377.25	0.00116	0.00114	1.82E-04	1.86E-04	1.71E-04	1.75E-04	1.65E-04	4.81E-05	4.73E-05	9.54E-05	4.70E-05	4.62E-05	9.31E-05	4.63E-05	4.55E-05	9.19E-05
4771	474363.09, 3861377.25	0.00118	0.00116	1.85E-04	1.89E-04	1.74E-04	1.78E-04	1.68E-04	4.90E-05	4.81E-05	9.71E-05	4.78E-05	4.70E-05	9.47E-05	4.71E-05	4.63E-05	9.35E-05
4772	474863.09, 3861377.25	0.0012	0.00118	1.88E-04	1.93E-04	1.77E-04	1.81E-04	1.71E-04	4.98E-05	4.90E-05	9.87E-05	4.86E-05	4.78E-05	9.64E-05	4.79E-05	4.71E-05	9.51E-05
4773	475363.09, 3861377.25	0.00123	0.0012	1.93E-04	1.96E-04	1.82E-04	1.86E-04	1.75E-04	5.10E-05	4.98E-05	1.01E-04	4.98E-05	4.86E-05	9.84E-05	4.91E-05	4.79E-05	9.71E-05
4774	475863.09, 3861377.25	0.00124	0.00122	1.94E-04	1.99E-04	1.83E-04	1.87E-04	1.77E-04	5.14E-05	5.06E-05	1.02E-04	5.02E-05	4.94E-05	9.96E-05	4.95E-05	4.87E-05	9.83E-05
4775	476363.09, 3861377.25	0.00123	0.00122	1.93E-04	1.99E-04	1.82E-04	1.86E-04	1.75E-04	5.10E-05	5.06E-05	1.02E-04	4.98E-05	4.94E-05	9.92E-05	4.91E-05	4.87E-05	9.79E-05
4776	476863.09, 3861377.25	0.00122	0.00122	1.91E-04	1.99E-04	1.80E-04	1.84E-04	1.74E-04	5.06E-05	5.06E-05	1.01E-04	4.94E-05	4.94E-05	9.88E-05	4.87E-05	4.87E-05	9.75E-05
4777	477363.09, 3861377.25	0.00122	0.00123	1.91E-04	2.01E-04	1.80E-04	1.84E-04	1.74E-04	5.06E-05	5.10E-05	1.02E-04	4.94E-05	4.98E-05	9.92E-05	4.87E-05	4.91E-05	9.79E-05
4778	477863.09, 3861377.25	0.00113	0.00116	1.77E-04	1.89E-04	1.67E-04	1.71E-04	1.61E-04	4.69E-05	4.81E-05	9.50E-05	4.57E-05	4.70E-05	9.27E-05	4.51E-05	4.63E-05	9.15E-05
4779	478363.09, 3861377.25	0.00095	0.00098	1.49E-04	1.60E-04	1.40E-04	1.44E-04	1.35E-04	3.94E-05	4.07E-05	8.01E-05	3.85E-05	3.97E-05	7.81E-05	3.79E-05	3.91E-05	7.71E-05
4780	478863.09, 3861377.25	0.00102	0.00106	1.60E-04	1.73E-04	1.51E-04	1.54E-04	1.45E-04	4.23E-05	4.40E-05	8.63E-05	4.13E-05	4.29E-05	8.42E-05	4.07E-05	4.23E-05	8.31E-05
4781	479363.09, 3861377.25	0.00131	0.00133	2.05E-04	2.17E-04	1.93E-04	1.98E-04	1.87E-04	5.43E-05	5.52E-05	1.10E-04	5.30E-05	5.38E-05	1.07E-04	5.23E-05	5.31E-05	1.05E-04
4782	479863.09, 3861377.25	0.00148	0.00146	2.32E-04	2.38E-04	2.18E-04	2.24E-04	2.11E-04	6.14E-05	6.06E-05	1.22E-04	5.99E-05	5.91E-05	1.19E-04	5.91E-05	5.83E-05	1.17E-04
4783	480363.09, 3861377.25	0.00161	0.00156	2.52E-04	2.55E-04	2.38E-04	2.43E-04	2.30E-04	6.68E-05	6.47E-05	1.32E-04	6.52E-05	6.32E-05	1.28E-04	6.43E-05	6.23E-05	1.27E-04
4784	480863.09, 3861377.25	0.00169	0.00162	2.65E-04	2.64E-04	2.49E-04	2.55E-04	2.41E-04	7.01E-05	6.72E-05	1.37E-04	6.84E-05	6.56E-05	1.34E-04	6.75E-05	6.47E-05	1.32E-04
4785	481363.09, 3861377.25	0.00176	0.00168	2.76E-04	2.74E-04	2.60E-04	2.66E-04	2.51E-04	7.30E-05	6.97E-05	1.43E-04	7.13E-05	6.80E-05	1.39E-04	7.03E-05	6.71E-05	1.37E-04
4786	481863.09, 3861377.25	0.00184	0.00174	2.88E-04	2.84E-04	2.72E-04	2.78E-04	2.62E-04	7.63E-05	7.22E-05	1.49E-04	7.45E-05	7.04E-05	1.45E-04	7.35E-05	6.95E-05	1.43E-04
4787	482363.09, 3861377.25	0.00191	0.0018	2.99E-04	2.94E-04	2.82E-04	2.89E-04	2.72E-04	7.92E-05	7.47E-05	1.54E-04	7.73E-05	7.29E-05	1.50E-04	7.63E-05	7.19E-05	1.48E-04
4788	482863.09, 3861377.25	0.00196	0.00186	3.07E-04	3.04E-04	2.89E-04	2.96E-04	2.79E-04	8.13E-05	7.72E-05	1.58E-04	7.93E-05	7.53E-05	1.55E-04	7.83E-05	7.43E-05	1.53E-04
4789	483363.09, 3861377.25	0.00204	0.00193	3.20E-04	3.15E-04	3.01E-04	3.08E-04	2.91E-04	8.46E-05	8.01E-05	1.65E-04	8.26E-05	7.81E-05	1.61E-04	8.15E-05	7.71E-05	1.59E-04
4790	483863.09, 3861377.25	0.00212	0.00201	3.32E-04	3.28E-04	3.13E-04	3.20E-04	3.02E-04	8.80E-05	8.34E-05	1.71E-04	8.58E-05	8.14E-05	1.67E-04	8.47E-05	8.03E-05	1.65E-04
4791	484363.09, 3861377.25	0.00221	0.0021	3.46E-04	3.43E-04	3.26E-04	3.34E-04	3.15E-04	9.17E-05	8.71E-05	1.79E-04	8.95E-05	8.50E-05	1.74E-04	8.83E-05	8.39E-05	1.72E-04
4792	484863.09, 3861377.25	0.0023	0.00219	3.60E-04	3.57E-04	3.39E-04	3.48E-04	3.28E-04	9.54E-05	9.09E-05	1.86E-04	9.31E-05	8.87E-05	1.82E-04	9.19E-05	8.75E-05	1.79E-04
4793	485363.09, 3861377.25	0.00238	0.00227	3.73E-04	3.71E-04	3.51E-04	3.60E-04	3.39E-04	9.87E-05	9.42E-05	1.93E-04	9.64E-05	9.19E-05	1.88E-04	9.51E-05	9.07E-05	1.86E-04
4794	485863.09, 3861377.25	0.00249	0.00239	3.90E-04	3.90E-04	3.67E-04	3.76E-04	3.55E-04	1.03E-04	9.92E-05	2.02E-04	1.01E-04	9.68E-05	1.98E-04	9.95E-05	9.55E-05	1.95E-04
4795	486363.09, 3861377.25	0.00265	0.00253	4.15E-04	4.13E-04	3.91E-04	4.01E-04	3.78E-04	1.10E-04	1.05E-04	2.15E-04	1.07E-04	1.02E-04	2.10E-04	1.06E-04	1.01E-04	2.07E-04
4796	486863.09, 3861377.25	0.00284	0.0027	4.45E-04	4.41E-04	4.19E-04	4.29E-04	4.05E-04	1.18E-04	1.12E-04	2.30E-04	1.15E-04	1.09E-04	2.24E-04	1.13E-04	1.08E-04	2.21E-04
4797	487363.09, 3861377.25	0.00304	0.00288	4.76E-04	4.70E-04	4.49E-04	4.60E-04	4.33E-04	1.26E-04	1.19E-04	2.46E-04	1.23E-04	1.17E-04	2.40E-04	1.21E-04	1.15E-04	2.36E-04
4798	487863.09, 3861377.25	0.00326	0.00309	5.11E-04	5.04E-04	4.81E-04	4.93E-04	4.65E-04	1.35E-04	1.28E-04	2.63E-04	1.32E-04	1.25E-04	2.57E-04	1.30E-04	1.23E-04	2.54E-04
4799	488363.09, 3861377.25	0.00352	0.00333	5.51E-04	5.44E-04	5.20E-04	5.32E-04	5.02E-04	1.46E-04	1.38E-04	2.84E-04	1.43E-04	1.35E-04	2.77E-04	1.41E-04	1.33E-04	2.74E-04
4800	488863.09, 3861377.25	0.00381	0.00365	5.97E-04	5.96E-04	5.62E-04	5.76E-04	5.43E-04	1.58E-04	1.51E-04	3.09E-04	1.54E-04	1.48E-04	3.02E-04	1.52E-04	1.46E-04	2.98E-04
4801	489363.09, 3861377.25	0.00412	0.00401	6.45E-04	6.55E-04	6.08E-04	6.23E-04	5.87E-04	1.71E-04	1.66E-04	3.37E-04	1.67E-04	1.62E-04	3.29E-04	1.65E-04	1.60E-04	3.25E-04
4802	489863.09, 3861377.25	0.00455	0.0045	7.13E-04	7.35E-04	6.72E-04	6.88E-04	6.49E-04	1.89E-04	1.87E-04	3.75E-04	1.84E-04	1.82E-04	3.66E-04	1.82E-04	1.80E-04	3.62E-04
4803	490363.09, 3861377.25	0.0052	0.00514	8.15E-04	8.39E-04	7.67E-04	7.86E-04	7.41E-04	2.16E-04	2.13E-04	4.29E-04	2.11E-04	2.08E-04	4.19E-04	2.08E-04	2.05E-04	4.13E-04
4804	490863.09, 3861377.25	0.00615	0.00604	9.63E-04	9.86E-04	9.08E-04	9.30E-04	8.77E-04	2.55E-04	2.51E-04	5.06E-04	2.49E-04	2.45E-04	4.94E-04	2.46E-04	2.41E-04	4.87E-04
4805	491363.09, 3861377.25	0.00764	0.00756	1.20E-03	1.23E-03	1.13E-03	1.15E-03	1.09E-03	3.17E-04	3.14E-04	6.31E-04	3.09E-04	3.06E-04	6.15E-04	3.05E-04	3.02E-04	6.07E-04
4806	491863.09, 3861377.25	0.01054	0.0105	1.65E-03	1.71E-03	1.56E-03	1.59E-03	1.50E-03	4.37E-04	4.36E-04	8.73E-04	4.27E-04	4.25E-04	8.52E-04	4.21E-04	4.19E-04	8.40E-04
4807	492363.09, 3861377.25	0.01854	0.01843	2.90E-03	3.01E-03	2.74E-03	2.80E-03	2.64E-03	7.69E-04	7.65E-04	1.53E-03	7.51E-04	7.46E-04	1.50E-03	7.41E-04	7.36E-04	1.48E-03
4808	492863.09, 3861377.25	0.06442	0.06393	1.01E-02	1.04E-02	9.51E-03	9.74E-03	9.19E-03	2.67E-03	2.65E-03	5.32E-03	2.61E-03	2.59E-03	5.20E-03	2.57E-03	2.55E-03	5.13E-03
4809	493363.09, 3861377.25	0.28892	0.27311	4.53E-02	4.46E-02	4.26E-02	4.37E-02	4.12E-02	1.20E-02	1.13E-02	2.33E-02	1.17E-02	1.11E-02	2.28E-02	1.15E-02	1.09E-02	2.25E-02
4810	493863.09, 3861377.25	0.08613	0.08487	1.35E-02	1.39E-02	1.27E-02	1.30E-02	1.23E-02	3.57E-03	3.52E-03	7.09E-03	3.49E-03	3.44E-03	6.92E-03	3.44E-03	3.39E-03	6.83E-03
4811	494363.09, 3861377.25	0.04979	0.04958	7.80E-03	8.09E-03	7.35E-03	7.53E-03	7.10E-03	2.07E-03	2.06E-03	4.12E-03	2.02E-03	2.01E-03	4.02E-03	1.99E-03	1.98E-03	3.97E-03
4812	494863.09, 3861377.25	0.03496	0.03492	5.48E-03	5.70E-03	5.16E-03	5.28E-03	4.98E-03	1.45E-03	1.45E-03	2.90E-03	1.42E-03	1.41E-03	2.83E-03	1.40E-03	1.39E-03	2.79E-03
4813	495363.09, 3861377.25	0.02733	0.02732	4.28E-03	4.46E-03	4.03E-03	4.13E-03	3.90E-03	1.13E-03	1.13E-03	2.27E-03	1.11E-03	1.11E-03	2.21E-03	1.09E-03	1.09E-03	2.18E-03
4814	495863.09, 3861377.25	0.02279	0.02278	3.57E-03	3.72E-03	3.36E-03	3.44E-03	3.25E-03	9.46E-04	9.45E-04	1.89E-03	9.23E-04	9.22E-04	1.84E-03	9.10E-04	9.10E-04	1.82E-03
4815	496363.09, 3861377.25	0.01889	0.01887	2.96E-03	3.08E-03	2.79E-03	2.86E-03	2.69E-03	7.84E-04	7.83E-04	1.57E-03	7.65E-04	7.64E-04	1.53E-03	7.55E-04	7.54E-04	1.51E-03
4816	496863.09, 3861377.25	0.01479	0.01475	2.32E-03	2.41E-03	2.18E-03	2.24E-03	2.11E-03	6.14E-04	6.12E-04	1.23E-03	5.99E-04	5.97E-04	1.20E-03	5.91E-04	5.89E-04	1.18E-03
4817	497363.09, 3861377.25	0.01297	0.01291	2.03E-03	2.11E-03	1.91E-03	1.96E-03	1.85E-03	5.38E-04	5.36E-04	1.07E-03	5.25E-04	5.23E-04	1.05E-03	5.18E-04	5.16E-04	1.03E-03
4818	497863.09, 3861377.25	0.01153	0.01147	1.81E-03	1.87E-03	1.70E-03	1.74E-03	1.64E-03	4.78E-04	4.76E-04	9.54E-04	4.67E-04	4.64E-04	9.31E-04	4.61E-04	4.58E-04	9.19E-04
4819	498363.09, 3861377.25	0.01032	0.01026	1.62E-03	1.67E-03	1.52E-03	1.56E-03	1.47E-03	4.28E-04	4.26E-04	8.54E-04	4.18E-04	4.15E-04	8.33E-04	4.12E-04	4.10E-04	8.22E-04
4820	471363.09, 3861877.25	0.00102	0.00101	1.60E-04	1.65E-04	1.51E-04	1.54E-04	1.45E-04	4.23E-05	4.19E-05	8.42E-05	4.13E-05	4.09E-05	8.22E-05	4.07E-05	4.03E-05	8.11E-05
4821	471863.09, 3861877.25	0.00104	0.00102	1.63E-04	1.66E-04	1.53E-04	1.57E-04	1.48E-04	4.31E-05	4.23E-05	8.55E-05	4.21E-05	4.13E-05	8.34E-05	4.15E-05	4.07E-05	8.23E-05
4822	472363.09, 3861877.25	0.00106	0.00104	1.66E-04	1.70E-04	1.56E-04	1.60E-04	1.51E-04	4.40E-05	4.31E-05	8.71E-05	4.29E-05	4.21E-05	8.50E-05	4.23E-05	4.15E-05	8.39E-05
4823	472863.09, 3861877.25	0.00109	0.00106	1.71E-04	1.73E-04	1.61E-04	1.65E-04	1.55E-04	4.52E-05	4.40E-05	8.92E-05	4.41E-05	4.29E-05	8.70E-05	4.35E-05	4.23E-05	8.59E-05
4824	473363.09, 3861877.25	0.00111	0.00108	1.74E-04	1.76E-04	1.64E-04	1.68E-04	1.58E-04	4.61E-05	4.48E-05	9.09E-05	4.49E-05	4.37E-05	8.87E-05	4.43E-05	4.31E-05	8.75E-05
4825	473863.09, 3861877.25	0.00113	0.0011	1.77E-04	1.80E-04	1.67E-04	1.71E-04	1.61E-04	4.69E-05	4.56E-05	9.25E-05	4.57E-05	4.45E-05	9.03E-05	4.51E-05	4.39E-05	8.91E-05
4826	474363.09, 3861877.25	0.00115	0.00112	1.80E-04	1.83E-04	1.70E-04	1.74E-04	1.64E-04	4.77E-05	4.65E-05	9.42E-05	4.66E-05	4.53E-05	9.19E-05	4.59E-05	4.47E-05	9.07E-05
4827	474863.09, 3861877.25	0.00117	0.00114	1.83E-04	1.86E-04	1.73E-04	1.77E-04	1.67E-04	4.85E-05	4.73E-05	9.58E-05	4.74E-05	4.62E-05	9.35E-05	4.67E-05	4.55E-05	9.23E-05
4828	475363.09, 3861877.25	0.00119	0.00116	1.86E-04	1.89E-04	1.76E-04	1.80E-04	1.70E-04	4.94E-05	4.81E-05	9.75E-05	4.82E-05	4.70E-05	9.51E-05	4.75E-05	4.63E-05	9.39E-05
4829	475863.09, 3861877.25	0.00122	0.00119	1.91E-04	1.94E-04	1.80E-04	1.84E-04	1.74E-04	5.06E-05	4.94E-05	1.00E-04	4.94E-05	4.82E-05	9.76E-05	4.87E-05	4.75E-05	9.63E-05
4830	476363.09, 3861877.25	0.00124	0.00121	1.94E-04	1.98E-04	1.83E-04	1.87E-04	1.77E-04	5.14E-05	5.02E-05	1.02E-04	5.02E-05	4.90E-05	9.92E-05	4.95E-05	4.83E-05	9.79E-05
4831	476863.09, 3861877.25	0.00125	0.00123	1.96E-04	2.01E-04	1.84E-04	1.89E-04	1.78E-04	5.19E-05	5.10E-05	1.03E-04	5.06E-05	4.98E-05	1.00E-04	4.99E-05	4.91E-05	9.91E-05
4832	477363.09, 3861877.25	0.00125	0.00123	1.96E-04	2.01E-04	1.84E-04	1.89E-04	1.78E-04	5.19E-05	5.10E-05	1.03E-04	5.06E-05	4.98E-05	1.00E-04	4.99E-05	4.91E-05	9.91E-05
4833	477863.09, 3861877.25	0.00111	0.00113	1.74E-04	1.84E-04	1.64E-04	1.68E-04	1.58E-04	4.61E-05	4.69E-05	9.29E-05	4.49E-05	4.57E-05	9.07E-05	4.43E-05	4.51E-05	8.95E-05
4834	478363.09, 3861877.25	0.00088	0.0009	1.38E-04	1.47E-04	1.30E-04	1.33E-04	1.25E-04	3.65E-05	3.73E-05	7.38E-05	3.56E-05	3.64E-05	7.21E-05	3.52E-05	3.60E-05	7.11E-05
4835	478863.09, 3861877.25	0.00103	0.00107	1.61E-04	1.75E-04	1.52E-04	1.56E-04	1.47E-04	4.27E-05	4.44E-05	8.71E-05	4.17E-05	4.33E-05	8.50E-05	4.11E-05	4.27E-05	8.39E-05
4836	479363.09, 3861877.25	0.001	0.00105	1.57E-04	1.71E-04	1.48E-04	1.51E-04	1.43E-04	4.15E-05	4.36E-05	8.51E-05	4.05E-05	4.25E-05	8.30E-05	3.99E-05	4.19E-05	8.19E-05
4837	479863.09, 3861877.25	0.00141	0.00139	2.21E-04	2.27E-04	2.08E-04	2.13E-04	2.01E-04	5.85E-05	5.77E-05	1.16E-04	5.71E-05	5.63E-05	1.13E-04	5.63E-05	5.55E-05	1.12E-04
4838	480363.09, 3861877.25	0.00154	0.00149	2.41E-04	2.43E-04	2.27E-04	2.33E-04	2.20E-04	6.39E-05	6.18E-05	1.26E-04	6.23E-05	6.03E-05	1.23E-04	6.15E-05	5.95E-05	1.21E-04
4839	480863.09, 3861877.25	0.0016	0.00154	2.51E-04	2.51E-04	2.36E-04	2.42E-04	2.28E-04	6.64E-05	6.39E-05	1.30E-04	6.48E-05	6.23E-05	1.27E-04	6.39E-05	6.15E-05	1.25E-04
4840	481363.09, 3861877.25	0.00166	0.00159	2.60E-04	2.60E-04	2.45E-04	2.51E-04	2.37E-04	6.89E-05	6.60E-05	1.35E-04	6.72E-05	6.44E-05	1.32E-04	6.63E-05	6.35E-05	1.30E-04
4841	481863.09, 3861877.25	0.00173	0.00165	2.71E-04	2.69E-04	2.55E-04	2.62E-04	2.47E-04	7.18E-05	6.85E-05	1.40E-04	7.00E-05	6.68E-05	1.37E-04	6.91E-05	6.59E-05	1.35E-04
4842	482363.09, 3861877.25	0.00179	0.0017	2.80E-04	2.77E-04	2.64E-04	2.71E-04	2.55E-04	7.43E-05	7.05E-05	1.45E-04	7.25E-05	6.88E-05	1.41E-04	7.15E-05	6.79E-05	1.39E-04
4843	482863.09, 3861877.25	0.00183	0.00175	2.87E-04	2.86E-04	2.70E-04	2.77E-04	2.61E-04	7.59E-05	7.26E-05	1.49E-04	7.41E-05	7.08E-05	1.45E-04	7.31E-05	6.99E-05	1.43E-04
4844	483363.09, 3861877.25	0.0019	0.00181	2.98E-04	2.95E-04	2.80E-04	2.87E-04	2.71E-04	7.88E-05	7.51E-05	1.54E-04	7.69E-05	7.33E-05	1.50E-04	7.59E-05	7.23E-05	1.48E-04
4845	483863.09, 3861877.25	0.00196	0.00187	3.07E-04	3.05E-04	2.89E-04	2.96E-04	2.79E-04	8.13E-05	7.76E-05	1.59E-04	7.93E-05	7.57E-05	1.55E-04	7.83E-05	7.47E-05	1.53E-04
4846	484363.09, 3861877.25	0.00204	0.00195	3.20E-04	3.18E-04	3.01E-04	3.08E-04	2.91E-04	8.46E-05	8.09E-05	1.66E-04	8.26E-05	7.89E-05	1.62E-04	8.15E-05	7.79E-05	1.59E-04
4847	484863.09, 3861877.25	0.00212	0.00203	3.32E-04	3.31E-04	3.13E-04	3.20E-04	3.02E-04	8.80E-05	8.42E-05	1.72E-04	8.58E-05	8.22E-05	1.68E-04	8.47E-05	8.11E-05	1.66E-04
4848	485363.09, 3861877.25	0.00218	0.0021	3.41E-04	3.43E-04	3.22E-04	3.30E-04	3.11E-04	9.04E-05	8.71E-05	1.78E-04	8.83E-05	8.50E-05	1.73E-04	8.71E-05	8.39E-05	1.71E-04
4849	485863.09, 3861877.25	0.00225	0.00218	3.52E-04	3.56E-04	3.32E-04	3.40E-04	3.21E-04	9.33E-05	9.04E-05	1.84E-04	9.11E-05	8.83E-05	1.79E-04	8.99E-05	8.71E-05	1.77E-04
4850	486363.09, 3861877.25	0.00237	0.00229	3.71E-04	3.74E-04	3.50E-04	3.58E-04	3.38E-04	9.83E-05	9.50E-05	1.93E-04	9.59E-05	9.27E-05	1.89E-04	9.47E-05	9.15E-05	1.86E-04
4851	486863.09, 3861877.25	0.00252	0.00242	3.95E-04	3.95E-04	3.72E-04	3.81E-04	3.59E-04	1.05E-04	1.00E-04	2.05E-04	1.02E-04	9.80E-05	2.00E-04	1.01E-04	9.67E-05	1.97E-04
4852	487363.09, 3861877.25	0.00268	0.00256	4.20E-04	4.18E-04	3.96E-04	4.05E-04	3.82E-04	1.11E-04	1.06E-04	2.17E-04	1.08E-04	1.04E-04	2.12E-04	1.07E-04	1.02E-04	2.09E-04
4853	487863.09, 3861877.25	0.00284	0.00271	4.45E-04	4.42E-04	4.19E-04	4.29E-04	4.05E-04	1.18E-04	1.12E-04	2.30E-04	1.15E-04	1.10E-04	2.25E-04	1.13E-04	1.08E-04	2.22E-04
4854	488363.09, 3861877.25	0.00303	0.00288	4.75E-04	4.70E-04	4.47E-04	4.58E-04	4.32E-04	1.26E-04	1.19E-04	2.45E-04	1.23E-04	1.17E-04	2.39E-04	1.21E-04	1.15E-04	2.36E-04
4855	488863.09, 3861877.25	0.00325	0.00311	5.09E-04	5.08E-04	4.80E-04	4.91E-04	4.63E-04	1.35E-04	1.29E-04	2.64E-04	1.32E-04	1.26E-04	2.57E-04	1.30E-04	1.24E-04	2.54E-04
4856	489363.09, 3861877.25	0.00348	0.00337	5.45E-04	5.50E-04	5.14E-04	5.26E-04	4.96E-04	1.44E-04	1.40E-04	2.84E-04	1.41E-04	1.36E-04	2.77E-04	1.39E-04	1.35E-04	2.74E-04
4857	489863.09, 3861877.25	0.00376	0.0037	5.89E-04	6.04E-04	5.55E-04	5.68E-04	5.36E-04	1.56E-04	1.54E-04	3.09E-04	1.52E-04	1.50E-04	3.02E-04	1.50E-04	1.48E-04	2.98E-04
4858	490363.09, 3861877.25	0.00413	0.00412	6.47E-04	6.73E-04	6.10E-04	6.24E-04	5.89E-04	1.71E-04	1.71E-04	3.42E-04	1.67E-04	1.67E-04	3.34E-04	1.65E-04	1.65E-04	3.30E-04
4859	490863.09, 3861877.25	0.00468	0.00464	7.33E-04	7.57E-04	6.91E-04	7.07E-04	6.67E-04	1.94E-04	1.93E-04	3.87E-04	1.89E-04	1.88E-04	3.77E-04	1.87E-04	1.85E-04	3.72E-04
4860	491363.09, 3861877.25	0.00543	0.00534	8.51E-04	8.72E-04	8.01E-04	8.21E-04	7.74E-04	2.25E-04	2.22E-04	4.47E-04	2.20E-04	2.16E-04	4.36E-04	2.17E-04	2.13E-04	4.30E-04
4861	491863.09, 3861877.25	0.00646	0.0064	1.01E-03	1.04E-03	9.53E-04	9.77E-04	9.21E-04	2.68E-04	2.66E-04	5.34E-04	2.62E-04	2.59E-04	5.21E-04	2.58E-04	2.56E-04	5.14E-04
4862	492363.09, 3861877.25	0.00799	0.00799	1.25E-03	1.30E-03	1.18E-03	1.21E-03	1.14E-03	3.31E-04	3.31E-04	6.63E-04	3.23E-04	3.23E-04	6.47E-04	3.19E-04	3.19E-04	6.38E-04
4863	492863.09, 3861877.25	0.01034	0.01033	1.62E-03	1.69E-03	1.53E-03	1.56E-03	1.47E-03	4.29E-04	4.29E-04	8.58E-04	4.19E-04	4.18E-04	8.37E-04	4.13E-04	4.13E-04	8.26E-04
4864	493363.09, 3861877.25	0.01397	0.01399	2.19E-03	2.28E-03	2.06E-03	2.11E-03	1.99E-03	5.80E-04	5.80E-04	1.16E-03	5.66E-04	5.66E-04	1.13E-03	5.58E-04	5.59E-04	1.12E-03
4865	493863.09, 3861877.25	0.02059	0.0208	3.23E-03	3.40E-03	3.04E-03	3.11E-03	2.94E-03	8.54E-04	8.63E-04	1.72E-03	8.34E-04	8.42E-04	1.68E-03	8.23E-04	8.31E-04	1.65E-03
4866	494363.09, 3861877.25	0.03697	0.03771	5.79E-03	6.16E-03	5.46E-03	5.59E-03	5.27E-03	1.53E-03	1.56E-03	3.10E-03	1.50E-03	1.53E-03	3.02E-03	1.48E-03	1.51E-03	2.98E-03
4867	494863.09, 3861877.25	0.15099	0.1581	2.37E-02	2.58E-02	2.23E-02	2.28E-02	2.15E-02	6.26E-03	6.56E-03	1.28E-02	6.11E-03	6.40E-03	1.25E-02	6.03E-03	6.32E-03	1.23E-02
4868	495363.09, 3861877.25	0.17703	0.17586	2.77E-02	2.87E-02	2.61E-02	2.68E-02	2.52E-02	7.34E-03	7.30E-03	1.46E-02	7.17E-03	7.12E-03	1.43E-02	7.07E-03	7.03E-03	1.41E-02

4869	495863.09, 3861877.25	0.07279	0.07301	1.14E-02	1.19E-02	1.07E-02	1.10E-02	1.04E-02	3.02E-03	3.03E-03	6.05E-03	2.95E-03	2.96E-03	5.90E-03	2.91E-03	2.92E-03	5.82E-03
4870	496363.09, 3861877.25	0.04573	0.04595	7.16E-03	7.50E-03	6.75E-03	6.91E-03	6.52E-03	1.90E-03	1.91E-03	3.80E-03	1.85E-03	1.86E-03	3.71E-03	1.83E-03	1.84E-03	3.66E-03
4871	496863.09, 3861877.25	0.02371	0.0238	3.71E-03	3.88E-03	3.50E-03	3.58E-03	3.38E-03	9.84E-04	9.87E-04	1.97E-03	9.60E-04	9.64E-04	1.92E-03	9.47E-04	9.51E-04	1.90E-03
4872	497363.09, 3861877.25	0.0249	0.02498	3.90E-03	4.08E-03	3.67E-03	3.76E-03	3.55E-03	1.03E-03	1.04E-03	2.07E-03	1.01E-03	1.01E-03	2.02E-03	9.95E-04	9.98E-04	1.99E-03
4873	497863.09, 3861877.25	0.02222	0.02226	3.48E-03	3.63E-03	3.28E-03	3.36E-03	3.17E-03	9.22E-04	9.24E-04	1.85E-03	9.00E-04	9.01E-04	1.80E-03	8.88E-04	8.89E-04	1.78E-03
4874	498363.09, 3861877.25	0.01933	0.01935	3.03E-03	3.16E-03	2.85E-03	2.92E-03	2.76E-03	8.02E-04	8.03E-04	1.60E-03	7.83E-04	7.83E-04	1.57E-03	7.72E-04	7.73E-04	1.55E-03
4875	471363.09, 3862377.25	0.001	0.00098	1.57E-04	1.60E-04	1.48E-04	1.51E-04	1.43E-04	4.15E-05	4.07E-05	8.21E-05	4.05E-05	3.97E-05	8.02E-05	3.99E-05	3.91E-05	7.91E-05
4876	471863.09, 3862377.25	0.00101	0.001	1.58E-04	1.63E-04	1.49E-04	1.53E-04	1.44E-04	4.19E-05	4.15E-05	8.34E-05	4.09E-05	4.05E-05	8.14E-05	4.03E-05	3.99E-05	8.03E-05
4877	472363.09, 3862377.25	0.00104	0.00101	1.63E-04	1.65E-04	1.53E-04	1.57E-04	1.48E-04	4.31E-05	4.19E-05	8.51E-05	4.21E-05	4.09E-05	8.30E-05	4.15E-05	4.03E-05	8.19E-05
4878	472863.09, 3862377.25	0.00106	0.00103	1.66E-04	1.68E-04	1.56E-04	1.60E-04	1.51E-04	4.40E-05	4.27E-05	8.67E-05	4.29E-05	4.17E-05	8.46E-05	4.23E-05	4.11E-05	8.35E-05
4879	473363.09, 3862377.25	0.00108	0.00105	1.69E-04	1.71E-04	1.59E-04	1.63E-04	1.54E-04	4.48E-05	4.36E-05	8.84E-05	4.37E-05	4.25E-05	8.62E-05	4.31E-05	4.19E-05	8.51E-05
4880	473863.09, 3862377.25	0.00109	0.00107	1.71E-04	1.75E-04	1.61E-04	1.65E-04	1.55E-04	4.52E-05	4.44E-05	8.96E-05	4.41E-05	4.33E-05	8.74E-05	4.35E-05	4.27E-05	8.63E-05
4881	474363.09, 3862377.25	0.00111	0.00108	1.74E-04	1.76E-04	1.64E-04	1.68E-04	1.58E-04	4.61E-05	4.48E-05	9.09E-05	4.49E-05	4.37E-05	8.87E-05	4.43E-05	4.31E-05	8.75E-05
4882	474863.09, 3862377.25	0.00113	0.0011	1.77E-04	1.80E-04	1.67E-04	1.71E-04	1.61E-04	4.69E-05	4.56E-05	9.25E-05	4.57E-05	4.45E-05	9.03E-05	4.51E-05	4.39E-05	8.91E-05
4883	475363.09, 3862377.25	0.00116	0.00113	1.82E-04	1.84E-04	1.71E-04	1.75E-04	1.65E-04	4.81E-05	4.69E-05	9.50E-05	4.70E-05	4.57E-05	9.27E-05	4.63E-05	4.51E-05	9.15E-05
4884	475863.09, 3862377.25	0.00119	0.00115	1.86E-04	1.88E-04	1.76E-04	1.80E-04	1.70E-04	4.94E-05	4.77E-05	9.71E-05	4.82E-05	4.66E-05	9.47E-05	4.75E-05	4.59E-05	9.35E-05
4885	476363.09, 3862377.25	0.00121	0.00118	1.90E-04	1.93E-04	1.79E-04	1.83E-04	1.73E-04	5.02E-05	4.90E-05	9.92E-05	4.90E-05	4.78E-05	9.68E-05	4.83E-05	4.71E-05	9.55E-05
4886	476863.09, 3862377.25	0.00123	0.0012	1.93E-04	1.96E-04	1.82E-04	1.86E-04	1.75E-04	5.10E-05	4.98E-05	1.01E-04	4.98E-05	4.86E-05	9.84E-05	4.91E-05	4.79E-05	9.71E-05
4887	477363.09, 3862377.25	0.00124	0.00121	1.94E-04	1.98E-04	1.83E-04	1.87E-04	1.77E-04	5.14E-05	5.02E-05	1.02E-04	5.02E-05	4.90E-05	9.92E-05	4.95E-05	4.83E-05	9.79E-05
4888	477863.09, 3862377.25	0.00114	0.00114	1.79E-04	1.86E-04	1.68E-04	1.72E-04	1.63E-04	4.73E-05	4.73E-05	9.46E-05	4.62E-05	4.62E-05	9.23E-05	4.55E-05	4.55E-05	9.11E-05
4889	478363.09, 3862377.25	0.00103	0.00106	1.61E-04	1.73E-04	1.52E-04	1.56E-04	1.47E-04	4.27E-05	4.40E-05	8.67E-05	4.17E-05	4.29E-05	8.46E-05	4.11E-05	4.23E-05	8.35E-05
4890	478863.09, 3862377.25	0.00105	0.00108	1.64E-04	1.76E-04	1.55E-04	1.59E-04	1.50E-04	4.36E-05	4.48E-05	8.84E-05	4.25E-05	4.37E-05	8.62E-05	4.19E-05	4.31E-05	8.51E-05
4891	479363.09, 3862377.25	0.00114	0.00116	1.79E-04	1.89E-04	1.68E-04	1.72E-04	1.63E-04	4.73E-05	4.81E-05	9.54E-05	4.62E-05	4.70E-05	9.31E-05	4.55E-05	4.63E-05	9.19E-05
4892	479863.09, 3862377.25	0.00137	0.00134	2.15E-04	2.19E-04	2.02E-04	2.07E-04	1.95E-04	5.68E-05	5.56E-05	1.12E-04	5.55E-05	5.42E-05	1.10E-04	5.47E-05	5.35E-05	1.08E-04
4893	480363.09, 3862377.25	0.00147	0.00142	2.30E-04	2.32E-04	2.17E-04	2.22E-04	2.10E-04	6.10E-05	5.89E-05	1.20E-04	5.95E-05	5.75E-05	1.17E-04	5.87E-05	5.67E-05	1.15E-04
4894	480863.09, 3862377.25	0.00152	0.00146	2.38E-04	2.38E-04	2.24E-04	2.30E-04	2.17E-04	6.31E-05	6.06E-05	1.24E-04	6.15E-05	5.91E-05	1.21E-04	6.07E-05	5.83E-05	1.19E-04
4895	481363.09, 3862377.25	0.00157	0.00151	2.46E-04	2.46E-04	2.32E-04	2.37E-04	2.24E-04	6.51E-05	6.26E-05	1.28E-04	6.36E-05	6.11E-05	1.25E-04	6.27E-05	6.03E-05	1.23E-04
4896	481863.09, 3862377.25	0.00164	0.00156	2.57E-04	2.55E-04	2.42E-04	2.48E-04	2.34E-04	6.80E-05	6.47E-05	1.33E-04	6.64E-05	6.32E-05	1.30E-04	6.55E-05	6.23E-05	1.28E-04
4897	482363.09, 3862377.25	0.00169	0.00161	2.65E-04	2.63E-04	2.49E-04	2.55E-04	2.41E-04	7.01E-05	6.68E-05	1.37E-04	6.84E-05	6.52E-05	1.34E-04	6.75E-05	6.43E-05	1.32E-04
4898	482863.09, 3862377.25	0.00173	0.00165	2.71E-04	2.69E-04	2.55E-04	2.62E-04	2.47E-04	7.18E-05	6.85E-05	1.40E-04	7.00E-05	6.68E-05	1.37E-04	6.91E-05	6.59E-05	1.35E-04
4899	483363.09, 3862377.25	0.00178	0.0017	2.79E-04	2.77E-04	2.63E-04	2.69E-04	2.54E-04	7.38E-05	7.05E-05	1.44E-04	7.21E-05	6.88E-05	1.41E-04	7.11E-05	6.79E-05	1.39E-04
4900	483863.09, 3862377.25	0.00183	0.00176	2.87E-04	2.87E-04	2.70E-04	2.77E-04	2.61E-04	7.59E-05	7.30E-05	1.49E-04	7.41E-05	7.13E-05	1.45E-04	7.31E-05	7.03E-05	1.43E-04
4901	484363.09, 3862377.25	0.00189	0.00183	2.96E-04	2.99E-04	2.79E-04	2.86E-04	2.69E-04	7.84E-05	7.59E-05	1.54E-04	7.65E-05	7.41E-05	1.51E-04	7.55E-05	7.31E-05	1.49E-04
4902	484863.09, 3862377.25	0.00197	0.0019	3.09E-04	3.10E-04	2.91E-04	2.98E-04	2.81E-04	8.17E-05	7.88E-05	1.61E-04	7.98E-05	7.69E-05	1.57E-04	7.87E-05	7.59E-05	1.55E-04
4903	485363.09, 3862377.25	0.00203	0.00196	3.18E-04	3.20E-04	3.00E-04	3.07E-04	2.89E-04	8.42E-05	8.13E-05	1.66E-04	8.22E-05	7.93E-05	1.62E-04	8.11E-05	7.83E-05	1.59E-04
4904	485863.09, 3862377.25	0.00209	0.00203	3.27E-04	3.31E-04	3.08E-04	3.16E-04	2.98E-04	8.67E-05	8.42E-05	1.71E-04	8.46E-05	8.22E-05	1.67E-04	8.35E-05	8.11E-05	1.65E-04
4905	486363.09, 3862377.25	0.00217	0.00212	3.40E-04	3.46E-04	3.20E-04	3.28E-04	3.09E-04	9.00E-05	8.80E-05	1.78E-04	8.79E-05	8.58E-05	1.74E-04	8.67E-05	8.47E-05	1.71E-04
4906	486863.09, 3862377.25	0.00229	0.00222	3.59E-04	3.62E-04	3.38E-04	3.46E-04	3.27E-04	9.50E-05	9.21E-05	1.87E-04	9.27E-05	8.99E-05	1.83E-04	9.15E-05	8.87E-05	1.80E-04
4907	487363.09, 3862377.25	0.00243	0.00234	3.81E-04	3.82E-04	3.59E-04	3.67E-04	3.46E-04	1.01E-04	9.71E-05	1.98E-04	9.84E-05	9.47E-05	1.93E-04	9.71E-05	9.35E-05	1.91E-04
4908	487863.09, 3862377.25	0.00257	0.00247	4.03E-04	4.03E-04	3.79E-04	3.88E-04	3.66E-04	1.07E-04	1.02E-04	2.09E-04	1.04E-04	1.00E-04	2.04E-04	1.03E-04	9.87E-05	2.01E-04
4909	488363.09, 3862377.25	0.00271	0.00261	4.25E-04	4.26E-04	4.00E-04	4.10E-04	3.86E-04	1.12E-04	1.08E-04	2.21E-04	1.10E-04	1.06E-04	2.15E-04	1.08E-04	1.04E-04	2.13E-04
4910	488863.09, 3862377.25	0.00289	0.00277	4.53E-04	4.52E-04	4.27E-04	4.37E-04	4.12E-04	1.20E-04	1.15E-04	2.35E-04	1.17E-04	1.12E-04	2.29E-04	1.15E-04	1.11E-04	2.26E-04
4911	489363.09, 3862377.25	0.00308	0.00297	4.82E-04	4.85E-04	4.55E-04	4.66E-04	4.39E-04	1.28E-04	1.23E-04	2.51E-04	1.25E-04	1.20E-04	2.45E-04	1.23E-04	1.19E-04	2.42E-04
4912	489863.09, 3862377.25	0.00328	0.0032	5.14E-04	5.22E-04	4.84E-04	4.96E-04	4.68E-04	1.36E-04	1.33E-04	2.69E-04	1.33E-04	1.30E-04	2.62E-04	1.31E-04	1.28E-04	2.59E-04
4913	490363.09, 3862377.25	0.0035	0.00348	5.48E-04	5.68E-04	5.17E-04	5.29E-04	4.99E-04	1.45E-04	1.44E-04	2.90E-04	1.42E-04	1.41E-04	2.83E-04	1.40E-04	1.39E-04	2.79E-04
4914	490863.09, 3862377.25	0.0038	0.00381	5.95E-04	6.22E-04	5.61E-04	5.74E-04	5.42E-04	1.58E-04	1.58E-04	3.16E-04	1.54E-04	1.54E-04	3.08E-04	1.52E-04	1.52E-04	3.04E-04
4915	491363.09, 3862377.25	0.0042	0.00417	6.58E-04	6.81E-04	6.20E-04	6.35E-04	5.99E-04	1.74E-04	1.73E-04	3.47E-04	1.70E-04	1.69E-04	3.39E-04	1.68E-04	1.67E-04	3.34E-04
4916	491863.09, 3862377.25	0.00467	0.00459	7.32E-04	7.49E-04	6.89E-04	7.06E-04	6.66E-04	1.94E-04	1.90E-04	3.84E-04	1.89E-04	1.86E-04	3.75E-04	1.87E-04	1.83E-04	3.70E-04
4917	492363.09, 3862377.25	0.00523	0.00518	8.19E-04	8.46E-04	7.72E-04	7.91E-04	7.46E-04	2.17E-04	2.15E-04	4.32E-04	2.12E-04	2.10E-04	4.21E-04	2.09E-04	2.07E-04	4.16E-04
4918	492863.09, 3862377.25	0.00599	0.006	9.38E-04	9.79E-04	8.84E-04	9.05E-04	8.54E-04	2.49E-04	2.49E-04	4.97E-04	2.43E-04	2.43E-04	4.85E-04	2.39E-04	2.40E-04	4.79E-04
4919	493363.09, 3862377.25	0.00697	0.00697	1.09E-03	1.14E-03	1.03E-03	1.05E-03	9.94E-04	2.89E-04	2.89E-04	5.78E-04	2.82E-04	2.82E-04	5.64E-04	2.78E-04	2.78E-04	5.57E-04
4920	493863.09, 3862377.25	0.00817	0.00814	1.28E-03	1.33E-03	1.21E-03	1.23E-03	1.16E-03	3.39E-04	3.38E-04	6.77E-04	3.31E-04	3.30E-04	6.60E-04	3.26E-04	3.25E-04	6.52E-04
4921	494363.09, 3862377.25	0.00991	0.00989	1.55E-03	1.61E-03	1.46E-03	1.50E-03	1.41E-03	4.11E-04	4.10E-04	8.21E-04	4.01E-04	4.00E-04	8.02E-04	3.96E-04	3.95E-04	7.91E-04
4922	494863.09, 3862377.25	0.0124	0.01244	1.94E-03	2.03E-03	1.83E-03	1.87E-03	1.77E-03	5.14E-04	5.16E-04	1.03E-03	5.02E-04	5.04E-04	1.01E-03	4.95E-04	4.97E-04	9.92E-04
4923	495363.09, 3862377.25	0.01611	0.01622	2.52E-03	2.65E-03	2.38E-03	2.44E-03	2.30E-03	6.68E-04	6.73E-04	1.34E-03	6.52E-04	6.57E-04	1.31E-03	6.44E-04	6.48E-04	1.29E-03
4924	495863.09, 3862377.25	0.02405	0.02427	3.77E-03	3.96E-03	3.55E-03	3.64E-03	3.43E-03	9.98E-04	1.01E-03	2.00E-03	9.74E-04	9.83E-04	1.96E-03	9.61E-04	9.70E-04	1.93E-03
4925	496363.09, 3862377.25	0.04768	0.04801	7.47E-03	7.84E-03	7.04E-03	7.21E-03	6.80E-03	1.98E-03	1.99E-03	3.97E-03	1.93E-03	1.94E-03	3.87E-03	1.90E-03	1.92E-03	3.82E-03
4926	496863.09, 3862377.25	0.41761	0.40706	6.54E-02	6.64E-02	6.16E-02	6.31E-02	5.95E-02	1.73E-02	1.69E-02	3.42E-02	1.69E-02	1.65E-02	3.34E-02	1.67E-02	1.63E-02	3.29E-02
4927	497363.09, 3862377.25	0.24763	0.24974	3.88E-02	4.08E-02	3.65E-02	3.74E-02	3.53E-02	1.03E-02	1.04E-02	2.06E-02	1.00E-02	1.01E-02	2.01E-02	9.89E-03	9.98E-03	1.99E-02
4928	497863.09, 3862377.25	0.65107	0.69964	1.02E-01	1.14E-01	9.61E-02	9.84E-02	9.28E-02	2.70E-02	2.90E-02	5.60E-02	2.64E-02	2.83E-02	5.47E-02	2.60E-02	2.79E-02	5.40E-02
4929	498363.09, 3862377.25	0.08557	0.08487	1.34E-02	1.39E-02	1.26E-02	1.29E-02	1.22E-02	3.55E-03	3.52E-03	7.07E-03	3.46E-03	3.44E-03	6.90E-03	3.42E-03	3.39E-03	6.81E-03
4930	471363.09, 3862877.25	0.00097	0.00095	1.52E-04	1.55E-04	1.43E-04	1.47E-04	1.38E-04	4.02E-05	3.94E-05	7.97E-05	3.93E-05	3.85E-05	7.77E-05	3.87E-05	3.79E-05	7.67E-05
4931	471863.09, 3862877.25	0.00099	0.00097	1.55E-04	1.58E-04	1.46E-04	1.50E-04	1.41E-04	4.11E-05	4.02E-05	8.13E-05	4.01E-05	3.93E-05	7.93E-05	3.95E-05	3.87E-05	7.83E-05
4932	472363.09, 3862877.25	0.00101	0.00099	1.58E-04	1.62E-04	1.49E-04	1.53E-04	1.44E-04	4.19E-05	4.11E-05	8.30E-05	4.09E-05	4.01E-05	8.10E-05	4.03E-05	3.95E-05	7.99E-05
4933	472863.09, 3862877.25	0.00103	0.001	1.61E-04	1.63E-04	1.52E-04	1.56E-04	1.47E-04	4.27E-05	4.15E-05	8.42E-05	4.17E-05	4.05E-05	8.22E-05	4.11E-05	3.99E-05	8.11E-05
4934	473363.09, 3862877.25	0.00105	0.00102	1.64E-04	1.66E-04	1.55E-04	1.59E-04	1.50E-04	4.36E-05	4.23E-05	8.59E-05	4.25E-05	4.13E-05	8.38E-05	4.19E-05	4.07E-05	8.27E-05
4935	473863.09, 3862877.25	0.00106	0.00104	1.66E-04	1.70E-04	1.56E-04	1.60E-04	1.51E-04	4.40E-05	4.31E-05	8.71E-05	4.29E-05	4.21E-05	8.50E-05	4.23E-05	4.15E-05	8.39E-05
4936	474363.09, 3862877.25	0.00108	0.00105	1.69E-04	1.71E-04	1.59E-04	1.63E-04	1.54E-04	4.48E-05	4.36E-05	8.84E-05	4.37E-05	4.25E-05	8.62E-05	4.31E-05	4.19E-05	8.51E-05
4937	474863.09, 3862877.25	0.0011	0.00107	1.72E-04	1.75E-04	1.62E-04	1.66E-04	1.57E-04	4.56E-05	4.44E-05	9.00E-05	4.45E-05	4.33E-05	8.79E-05	4.39E-05	4.27E-05	8.67E-05
4938	475363.09, 3862877.25	0.00113	0.0011	1.77E-04	1.80E-04	1.67E-04	1.71E-04	1.61E-04	4.69E-05	4.56E-05	9.25E-05	4.57E-05	4.45E-05	9.03E-05	4.51E-05	4.39E-05	8.91E-05
4939	475863.09, 3862877.25	0.00115	0.00112	1.80E-04	1.83E-04	1.70E-04	1.74E-04	1.64E-04	4.77E-05	4.65E-05	9.42E-05	4.66E-05	4.53E-05	9.19E-05	4.59E-05	4.47E-05	9.07E-05
4940	476363.09, 3862877.25	0.00118	0.00114	1.85E-04	1.86E-04	1.74E-04	1.78E-04	1.68E-04	4.90E-05	4.73E-05	9.63E-05	4.78E-05	4.62E-05	9.39E-05	4.71E-05	4.55E-05	9.27E-05
4941	476863.09, 3862877.25	0.00119	0.00116	1.86E-04	1.89E-04	1.76E-04	1.80E-04	1.70E-04	4.94E-05	4.81E-05	9.75E-05	4.82E-05	4.70E-05	9.51E-05	4.75E-05	4.63E-05	9.39E-05
4942	477363.09, 3862877.25	0.00121	0.00118	1.90E-04	1.93E-04	1.79E-04	1.83E-04	1.73E-04	5.02E-05	4.90E-05	9.92E-05	4.90E-05	4.78E-05	9.68E-05	4.83E-05	4.71E-05	9.55E-05
4943	477863.09, 3862877.25	0.00118	0.00116	1.85E-04	1.89E-04	1.74E-04	1.78E-04	1.68E-04	4.90E-05	4.81E-05	9.71E-05	4.78E-05	4.70E-05	9.47E-05	4.71E-05	4.63E-05	9.35E-05
4944	478363.09, 3862877.25	0.00108	0.00109	1.69E-04	1.78E-04	1.59E-04	1.63E-04	1.54E-04	4.48E-05	4.52E-05	9.00E-05	4.37E-05	4.41E-05	8.79E-05	4.31E-05	4.35E-05	8.67E-05
4945	478863.09, 3862877.25	0.00109	0.0011	1.71E-04	1.80E-04	1.61E-04	1.65E-04	1.55E-04	4.52E-05	4.56E-05	9.09E-05	4.41E-05	4.45E-05	8.87E-05	4.35E-05	4.39E-05	8.75E-05
4946	479363.09, 3862877.25	0.00112	0.00113	1.75E-04	1.84E-04	1.65E-04	1.69E-04	1.60E-04	4.65E-05	4.69E-05	9.33E-05	4.53E-05	4.57E-05	9.11E-05	4.47E-05	4.51E-05	8.99E-05
4947	479863.09, 3862877.25	0.00135	0.00131	2.11E-04	2.14E-04	1.99E-04	2.04E-04	1.92E-04	5.60E-05	5.43E-05	1.10E-04	5.47E-05	5.30E-05	1.08E-04	5.39E-05	5.23E-05	1.06E-04
4948	480363.09, 3862877.25	0.00141	0.00135	2.21E-04	2.20E-04	2.08E-04	2.13E-04	2.01E-04	5.85E-05	5.60E-05	1.15E-04	5.71E-05	5.47E-05	1.12E-04	5.63E-05	5.39E-05	1.10E-04
4949	480863.09, 3862877.25	0.00144	0.00139	2.26E-04	2.27E-04	2.13E-04	2.18E-04	2.05E-04	5.97E-05	5.77E-05	1.17E-04	5.83E-05	5.63E-05	1.15E-04	5.75E-05	5.55E-05	1.13E-04
4950	481363.09, 3862877.25	0.0015	0.00144	2.35E-04	2.35E-04	2.21E-04	2.27E-04	2.14E-04	6.22E-05	5.97E-05	1.22E-04	6.07E-05	5.83E-05	1.19E-04	5.99E-05	5.75E-05	1.17E-04
4951	481863.09, 3862877.25	0.00155	0.00148	2.43E-04	2.42E-04	2.29E-04	2.34E-04	2.21E-04	6.43E-05	6.14E-05	1.26E-04	6.28E-05	5.99E-05	1.23E-04	6.19E-05	5.91E-05	1.21E-04
4952	482363.09, 3862877.25	0.00159	0.00153	2.49E-04	2.50E-04	2.35E-04	2.40E-04	2.27E-04	6.60E-05	6.35E-05	1.29E-04	6.44E-05	6.19E-05	1.26E-04	6.35E-05	6.11E-05	1.25E-04
4953	482863.09, 3862877.25	0.00163	0.00157	2.55E-04	2.56E-04	2.41E-04	2.46E-04	2.32E-04	6.76E-05	6.51E-05	1.33E-04	6.60E-05	6.36E-05	1.30E-04	6.51E-05	6.27E-05	1.28E-04
4954	483363.09, 3862877.25	0.00168	0.00161	2.63E-04	2.63E-04	2.48E-04	2.54E-04	2.40E-04	6.97E-05	6.68E-05	1.36E-04	6.80E-05	6.52E-05	1.33E-04	6.71E-05	6.43E-05	1.31E-04
4955	483863.09, 3862877.25	0.00172	0.00166	2.69E-04	2.71E-04	2.54E-04	2.60E-04	2.45E-04	7.14E-05	6.89E-05	1.40E-04	6.96E-05	6.72E-05	1.37E-04	6.87E-05	6.63E-05	1.35E-04
4956	484363.09, 3862877.25	0.00178	0.00172	2.79E-04	2.81E-04	2.63E-04	2.69E-04	2.54E-04	7.38E-05	7.14E-05	1.45E-04	7.21E-05	6.96E-05	1.42E-04	7.11E-05	6.87E-05	1.40E-04
4957	484863.09, 3862877.25	0.00184	0.00179	2.88E-04	2.92E-04	2.72E-04	2.78E-04	2.62E-04	7.63E-05	7.43E-05	1.51E-04	7.45E-05	7.25E-05	1.47E-04	7.35E-05	7.15E-05	1.45E-04
4958	485363.09, 3862877.25	0.0019	0.00185	2.98E-04	3.02E-04	2.80E-04	2.87E-04	2.71E-04	7.88E-05	7.68E-05	1.56E-04	7.69E-05	7.49E-05	1.52E-04	7.59E-05	7.39E-05	1.50E-04
4959	485863.09, 3862877.25	0.00196	0.00191	3.07E-04	3.12E-04	2.89E-04	2.96E-04	2.79E-04	8.13E-05	7.92E-05	1.61E-04	7.93E-05	7.73E-05	1.57E-04	7.83E-05	7.63E-05	1.55E-04
4960	486363.09, 3862877.25	0.00202	0.00198	3.16E-04	3.23E-04	2.98E-04	3.05E-04	2.88E-04	8.38E-05	8.21E-05	1.66E-04	8.18E-05	8.02E-05	1.62E-04	8.07E-05	7.91E-05	1.60E-04
4961	486863.09, 3862877.25	0.00211	0.00206	3.31E-04	3.36E-04	3.11E-04	3.19E-04	3.01E-04	8.75E-05	8.55E-05	1.73E-04	8.54E-05	8.34E-05	1.69E-04	8.43E-05	8.23E-05	1.67E-04
4962	487363.09, 3862877.25	0.00222	0.00216	3.48E-04	3.53E-04	3.28E-04	3.36E-04	3.17E-04	9.21E-05	8.96E-05	1.82E-04	8.99E-05	8.74E-05	1.77E-04	8.87E-05	8.63E-05	1.75E-04
4963	487863.09, 3862877.25	0.00234	0.00226	3.67E-04	3.69E-04	3.45E-04	3.54E-04	3.34E-04	9.71E-05	9.38E-05	1.91E-04	9.47E-05	9.15E-05	1.86E-04	9.35E-05	9.03E-05	1.84E-04
4964	488363.09, 3862877.25	0.00245	0.00237	3.84E-04	3.87E-04	3.62E-04	3.70E-04	3.49E-04	1.02E-04	9.83E-05	2.00E-04	9.92E-05	9.59E-05	1.95E-04	9.79E-05	9.47E-05	1.93E-04
4965	488863.09, 3862877.25	0.00258	0.00248	4.04E-04	4.05E-04	3.81E-04	3.90E-04	3.68E-04	1.07E-04	1.03E-04	2.10E-04	1.04E-04	1.00E-04	2.05E-04	1.03E-04	9.91E-05	2.02E-04
4966	489363.09, 3862877.25	0.00273	0.00263	4.28E-04	4.29E-04	4.03E-04	4.13E-04	3.89E-04	1.13E-04	1.09E-04	2.22E-04	1.11E-04	1.06E-04	2.17E-04	1.09E-04	1.05E-04	2.14E-04
4967	489863.09, 3862877.25	0.00289	0.00281	4.53E-04	4.59E-04	4.27E-04	4.37E-04	4.12E-04	1.20E-04	1.17E-04	2.36E-04	1.17E-04	1.14E-04	2.31E-04	1.15E-04	1.12E-04	2.28E-04
4968	490363.09, 3862877.25	0.00305	0.003	4.78E-04	4.90E-04	4.50E-04	4.61E-04	4.35E-04	1.27E-04	1.24E-04	2.51E-04	1.23E-04	1.21E-04	2.45E-04	1.22E-04	1.20E-04	2.42E-04
4969	490863.09, 3862877.25	0.00322	0.00323	5.04E-04	5.27E-04	4.75E-04	4.87E-04	4.59E-04	1.34E-04	1.34E-04	2.68E-04	1.30E-04	1.31E-04	2.61E-04	1.29E-04	1.29E-04	2.58E-04
4970	491363.09, 3862877.25	0.00343	0.00345	5.37E-04	5.63E-04	5.06E-04	5.18E-04	4.89E-04	1.42E-04	1.43E-04	2.85E-04	1.39E-04	1.40E-04	2.79E-04	1.37E-04	1.38E-04	2.75E-04
4971	491863.09, 3862877.25	0.00371	0.00369	5.81E-04	6.02E-04	5.48E-04	5.61E-04	5.29E-04	1.54E-04	1.53E-04	3.07E-04	1.50E-04	1.49E-04	3.00E-04	1.48E-04	1.47E-04	2.96E-04
4972	492363.09, 3862877.25	0.00401	0.00394	6.28E-04	6.43E-04	5.92E-04	6.06E-04	5.72E-04	1.66E-04	1.63E-04	3.30E-04	1.62E-04	1.60E-04	3.22E-04	1.60E-04	1.57E-04	3.18E-04
4973	492863.09, 3862877.25	0.00436	0.00431	6.83E-04	7.04E-04	6.43E-04	6.59E-04	6.22E-04	1.81E-04	1.79E-04	3.60E-04	1.77E-04	1.74E-04	3.51E-04	1.74E-04	1.72E-04	3.46E-04
4974	493363.09, 3862877.25	0.00479	0.0048	7.50E-04	7.83E-04	7.07E-04	7.24E-04	6.83E-04	1.99E-04	1.99E-04	3.98E-04	1.94E-04	1.94E-04	3.88E-04	1.91E-04	1.92E-04	3.83E-04
4975	493863.09, 3862877.25	0.00521	0.00521	8.16E-04	8.50E-04	7.69E-04	7.88E-04	7.43E-04	2.16E-04	2.16E-04	4.32E-04	2.11E-04	2.11E-04	4.22E-04	2.08E-04	2.08E-04	4.16E-04
4976	494363.09, 3862877.25	0.00579	0.00575	9.07E-04	9.39E-04	8.55E-04	8.75E-04	8.26E-04	2.40E-04	2.39E-04	4.79E-04	2.34E-04	2.33E-04	4.67E-04	2.31E-04	2.30E-04	4.61E-04
4977	494863.09, 3862877.25	0.00662	0.00657	1.04E-03	1.07E-03	9.77E-04	1.00E-03	9.44E-04	2.75E-04	2.73E-04	5.47E-04	2.68E-04	2.66E-04	5.34E-04	2.64E-04	2.62E-04	5.27E-04
4978	495363.09, 3862877.25	0.00753	0.00749	1.18E-03	1.22E-03	1.11E-03	1.14E-03	1.07E-03	3.12E-04	3.11E-04	6.23E-04	3.05E-04	3.03E-04	6.08E-04	3.01E-04	2.99E-04	6.00E-04
4979	495863.09, 3862877.25	0.00849	0.00849	1.33E-03	1.39E-03	1.25E-03	1.28E-03	1.21E-03	3.52E-04	3.52E-04	7.04E-04	3.44E-04	3.44E-04	6.87E-04	3.39E-04	3.39E-04	6.78E-04
4980	496363.09, 3862877.25	0.00961	0.00965	1.51E-03	1.58E-03	1.42E-03	1.45E-03	1.37E-03	3.99E-04	4.00E-04	7.99E-04	3.89E-04	3.91E-04	7.80E-04	3.84E-04	3.85E-04	7.69E-04
4981	496863.09, 3862877.25	0.01108	0.01114	1.74E-03	1.82E-03	1.64E-03	1.67E-03	1.58E-03	4.60E-04	4.62E-04	9.22E-04	4.49E-04	4.51E-04	9.00E-04	4.43E-04	4.45E-04	8.88E-04
4982	497363.09, 3862877.25	0.01206	0.01213	1.89E-03	1.98E-03	1.78E-03	1.82E-03	1.72E-03	5.00E-04	5.03E-04	1.00E-03	4.88E-04	4.91E-04	9.79E-04	4.82E-04	4.85E-04	9.66E-04
4983	497863.09, 3862877.25	0.01207	0.01212	1.89E-03	1.98E-03	1.78E-03	1.82E-03	1.72E-03	5.01E-04	5.03E-04	1.00E-03	4.89E-04	4.91E-04	9.79E-04	4.82E-04	4.84E-04	9.66E-04
4984	498363.09, 3862877.25	0.0116	0.01164	1.82E-03	1.90E-03	1.71E-03	1.75E-03	1.65E-03	4.81E-04	4.83E-04	9.64E-04	4.70E-04	4.71E-04	9.41E-04	4.63E-04	4.65E-04	9.28E-04

4985	471363.09, 3863377.25	0.00095	0.00093	1.49E-04	1.52E-04	1.40E-04	1.44E-04	1.35E-04	3.94E-05	3.86E-05	7.80E-05	3.85E-05	3.77E-05	7.61E-05	3.79E-05	3.72E-05	7.51E-05
4986	471863.09, 3863377.25	0.00097	0.00095	1.52E-04	1.55E-04	1.43E-04	1.47E-04	1.38E-04	4.02E-05	3.94E-05	7.97E-05	3.93E-05	3.85E-05	7.77E-05	3.87E-05	3.79E-05	7.67E-05
4987	472363.09, 3863377.25	0.00098	0.00096	1.54E-04	1.57E-04	1.45E-04	1.48E-04	1.40E-04	4.07E-05	3.98E-05	8.05E-05	3.97E-05	3.89E-05	7.85E-05	3.91E-05	3.83E-05	7.75E-05
4988	472863.09, 3863377.25	0.001	0.00098	1.57E-04	1.60E-04	1.48E-04	1.51E-04	1.43E-04	4.15E-05	4.07E-05	8.21E-05	4.05E-05	3.97E-05	8.02E-05	3.99E-05	3.91E-05	7.91E-05
4989	473363.09, 3863377.25	0.00102	0.00099	1.60E-04	1.62E-04	1.51E-04	1.54E-04	1.45E-04	4.23E-05	4.11E-05	8.34E-05	4.13E-05	4.01E-05	8.14E-05	4.07E-05	3.95E-05	8.03E-05
4990	473863.09, 3863377.25	0.00104	0.00101	1.63E-04	1.65E-04	1.53E-04	1.57E-04	1.48E-04	4.31E-05	4.19E-05	8.51E-05	4.21E-05	4.09E-05	8.30E-05	4.15E-05	4.03E-05	8.19E-05
4991	474363.09, 3863377.25	0.00105	0.00103	1.64E-04	1.68E-04	1.55E-04	1.59E-04	1.50E-04	4.36E-05	4.27E-05	8.63E-05	4.25E-05	4.17E-05	8.42E-05	4.19E-05	4.11E-05	8.31E-05
4992	474863.09, 3863377.25	0.00107	0.00104	1.68E-04	1.70E-04	1.58E-04	1.62E-04	1.53E-04	4.44E-05	4.31E-05	8.75E-05	4.33E-05	4.21E-05	8.54E-05	4.27E-05	4.15E-05	8.43E-05
4993	475363.09, 3863377.25	0.00109	0.00106	1.71E-04	1.73E-04	1.61E-04	1.65E-04	1.55E-04	4.52E-05	4.40E-05	8.92E-05	4.41E-05	4.29E-05	8.70E-05	4.35E-05	4.23E-05	8.59E-05
4994	475863.09, 3863377.25	0.00111	0.00108	1.74E-04	1.76E-04	1.64E-04	1.68E-04	1.58E-04	4.61E-05	4.48E-05	9.09E-05	4.49E-05	4.37E-05	8.87E-05	4.43E-05	4.31E-05	8.75E-05
4995	476363.09, 3863377.25	0.00114	0.0011	1.79E-04	1.80E-04	1.68E-04	1.72E-04	1.63E-04	4.73E-05	4.56E-05	9.29E-05	4.62E-05	4.45E-05	9.07E-05	4.55E-05	4.39E-05	8.95E-05
4996	476863.09, 3863377.25	0.00116	0.00112	1.82E-04	1.83E-04	1.71E-04	1.75E-04	1.65E-04	4.81E-05	4.65E-05	9.46E-05	4.70E-05	4.53E-05	9.23E-05	4.63E-05	4.47E-05	9.11E-05
4997	477363.09, 3863377.25	0.00118	0.00114	1.85E-04	1.86E-04	1.74E-04	1.78E-04	1.68E-04	4.90E-05	4.73E-05	9.63E-05	4.78E-05	4.62E-05	9.39E-05	4.71E-05	4.55E-05	9.27E-05
4998	477863.09, 3863377.25	0.00118	0.00115	1.85E-04	1.88E-04	1.74E-04	1.78E-04	1.68E-04	4.90E-05	4.77E-05	9.67E-05	4.78E-05	4.66E-05	9.43E-05	4.71E-05	4.59E-05	9.31E-05
4999	478363.09, 3863377.25	0.00113	0.00112	1.77E-04	1.83E-04	1.67E-04	1.71E-04	1.61E-04	4.69E-05	4.65E-05	9.33E-05	4.57E-05	4.53E-05	9.11E-05	4.51E-05	4.47E-05	8.99E-05
5000	478863.09, 3863377.25	0.00116	0.00114	1.82E-04	1.86E-04	1.71E-04	1.75E-04	1.65E-04	4.81E-05	4.73E-05	9.54E-05	4.70E-05	4.62E-05	9.31E-05	4.63E-05	4.55E-05	9.19E-05
5001	479363.09, 3863377.25	0.00124	0.00121	1.94E-04	1.98E-04	1.83E-04	1.87E-04	1.77E-04	5.14E-05	5.02E-05	1.02E-04	5.02E-05	4.90E-05	9.92E-05	4.95E-05	4.83E-05	9.79E-05
5002	479863.09, 3863377.25	0.00131	0.00127	2.05E-04	2.07E-04	1.93E-04	1.98E-04	1.87E-04	5.43E-05	5.27E-05	1.07E-04	5.30E-05	5.14E-05	1.04E-04	5.23E-05	5.07E-05	1.03E-04
5003	480363.09, 3863377.25	0.00135	0.0013	2.11E-04	2.12E-04	1.99E-04	2.04E-04	1.92E-04	5.60E-05	5.39E-05	1.10E-04	5.47E-05	5.26E-05	1.07E-04	5.39E-05	5.19E-05	1.06E-04
5004	480863.09, 3863377.25	0.00138	0.00134	2.16E-04	2.19E-04	2.04E-04	2.09E-04	1.97E-04	5.73E-05	5.56E-05	1.13E-04	5.59E-05	5.42E-05	1.10E-04	5.51E-05	5.35E-05	1.09E-04
5005	481363.09, 3863377.25	0.00143	0.00138	2.24E-04	2.25E-04	2.11E-04	2.16E-04	2.04E-04	5.93E-05	5.73E-05	1.17E-04	5.79E-05	5.59E-05	1.14E-04	5.71E-05	5.51E-05	1.12E-04
5006	481863.09, 3863377.25	0.00148	0.00142	2.32E-04	2.32E-04	2.18E-04	2.24E-04	2.11E-04	6.14E-05	5.89E-05	1.20E-04	5.99E-05	5.75E-05	1.17E-04	5.91E-05	5.67E-05	1.16E-04
5007	482363.09, 3863377.25	0.00152	0.00146	2.38E-04	2.38E-04	2.24E-04	2.30E-04	2.17E-04	6.31E-05	6.06E-05	1.24E-04	6.15E-05	5.91E-05	1.21E-04	6.07E-05	5.83E-05	1.19E-04
5008	482863.09, 3863377.25	0.00155	0.0015	2.43E-04	2.45E-04	2.29E-04	2.34E-04	2.21E-04	6.43E-05	6.22E-05	1.27E-04	6.28E-05	6.07E-05	1.23E-04	6.19E-05	5.99E-05	1.22E-04
5009	483363.09, 3863377.25	0.00159	0.00154	2.49E-04	2.51E-04	2.35E-04	2.40E-04	2.27E-04	6.60E-05	6.39E-05	1.30E-04	6.44E-05	6.23E-05	1.27E-04	6.35E-05	6.15E-05	1.25E-04
5010	483863.09, 3863377.25	0.00163	0.00158	2.55E-04	2.58E-04	2.41E-04	2.46E-04	2.32E-04	6.76E-05	6.56E-05	1.33E-04	6.60E-05	6.40E-05	1.30E-04	6.51E-05	6.31E-05	1.28E-04
5011	484363.09, 3863377.25	0.00168	0.00164	2.63E-04	2.68E-04	2.48E-04	2.54E-04	2.40E-04	6.97E-05	6.80E-05	1.38E-04	6.80E-05	6.64E-05	1.34E-04	6.71E-05	6.55E-05	1.33E-04
5012	484863.09, 3863377.25	0.00174	0.00169	2.73E-04	2.76E-04	2.57E-04	2.63E-04	2.48E-04	7.22E-05	7.01E-05	1.42E-04	7.04E-05	6.84E-05	1.39E-04	6.95E-05	6.75E-05	1.37E-04
5013	485363.09, 3863377.25	0.00179	0.00175	2.80E-04	2.86E-04	2.64E-04	2.71E-04	2.55E-04	7.43E-05	7.26E-05	1.47E-04	7.25E-05	7.08E-05	1.43E-04	7.15E-05	6.99E-05	1.41E-04
5014	485863.09, 3863377.25	0.00184	0.0018	2.88E-04	2.94E-04	2.72E-04	2.78E-04	2.62E-04	7.63E-05	7.47E-05	1.51E-04	7.45E-05	7.29E-05	1.47E-04	7.35E-05	7.19E-05	1.45E-04
5015	486363.09, 3863377.25	0.00188	0.00185	2.95E-04	3.02E-04	2.77E-04	2.84E-04	2.68E-04	7.80E-05	7.68E-05	1.55E-04	7.61E-05	7.49E-05	1.51E-04	7.51E-05	7.39E-05	1.49E-04
5016	486863.09, 3863377.25	0.00195	0.00191	3.05E-04	3.12E-04	2.88E-04	2.95E-04	2.78E-04	8.09E-05	7.92E-05	1.60E-04	7.89E-05	7.73E-05	1.56E-04	7.79E-05	7.63E-05	1.54E-04
5017	487363.09, 3863377.25	0.00203	0.00199	3.18E-04	3.25E-04	3.00E-04	3.07E-04	2.89E-04	8.42E-05	8.26E-05	1.67E-04	8.22E-05	8.06E-05	1.63E-04	8.11E-05	7.95E-05	1.61E-04
5018	487863.09, 3863377.25	0.00213	0.00207	3.34E-04	3.38E-04	3.14E-04	3.22E-04	3.04E-04	8.84E-05	8.59E-05	1.74E-04	8.62E-05	8.38E-05	1.70E-04	8.51E-05	8.27E-05	1.68E-04
5019	488363.09, 3863377.25	0.00222	0.00215	3.48E-04	3.51E-04	3.28E-04	3.36E-04	3.17E-04	9.21E-05	8.92E-05	1.81E-04	8.99E-05	8.70E-05	1.77E-04	8.87E-05	8.59E-05	1.75E-04
5020	488863.09, 3863377.25	0.00232	0.00224	3.63E-04	3.66E-04	3.42E-04	3.51E-04	3.31E-04	9.63E-05	9.29E-05	1.89E-04	9.39E-05	9.07E-05	1.85E-04	9.27E-05	8.95E-05	1.82E-04
5021	489363.09, 3863377.25	0.00242	0.00234	3.79E-04	3.82E-04	3.57E-04	3.66E-04	3.45E-04	1.00E-04	9.71E-05	1.97E-04	9.80E-05	9.47E-05	1.93E-04	9.67E-05	9.35E-05	1.90E-04
5022	489863.09, 3863377.25	0.00254	0.00246	3.98E-04	4.02E-04	3.75E-04	3.84E-04	3.62E-04	1.05E-04	1.02E-04	2.07E-04	1.03E-04	9.96E-05	2.02E-04	1.01E-04	9.83E-05	2.00E-04
5023	490363.09, 3863377.25	0.00266	0.0026	4.17E-04	4.24E-04	3.93E-04	4.02E-04	3.79E-04	1.10E-04	1.08E-04	2.18E-04	1.08E-04	1.05E-04	2.13E-04	1.06E-04	1.04E-04	2.10E-04
5024	490863.09, 3863377.25	0.00277	0.00275	4.34E-04	4.49E-04	4.09E-04	4.19E-04	3.95E-04	1.15E-04	1.14E-04	2.29E-04	1.12E-04	1.11E-04	2.23E-04	1.11E-04	1.10E-04	2.21E-04
5025	491363.09, 3863377.25	0.00289	0.00291	4.53E-04	4.75E-04	4.27E-04	4.37E-04	4.12E-04	1.20E-04	1.21E-04	2.41E-04	1.17E-04	1.18E-04	2.35E-04	1.15E-04	1.16E-04	2.32E-04
5026	491863.09, 3863377.25	0.00304	0.00306	4.76E-04	4.99E-04	4.49E-04	4.60E-04	4.33E-04	1.26E-04	1.27E-04	2.53E-04	1.23E-04	1.24E-04	2.47E-04	1.21E-04	1.22E-04	2.44E-04
5027	492363.09, 3863377.25	0.00318	0.00317	4.98E-04	5.17E-04	4.69E-04	4.81E-04	4.53E-04	1.32E-04	1.32E-04	2.63E-04	1.29E-04	1.28E-04	2.57E-04	1.27E-04	1.27E-04	2.54E-04
5028	492863.09, 3863377.25	0.00313	0.00307	4.90E-04	5.01E-04	4.62E-04	4.73E-04	4.46E-04	1.30E-04	1.27E-04	2.57E-04	1.27E-04	1.24E-04	2.51E-04	1.25E-04	1.23E-04	2.48E-04
5029	493363.09, 3863377.25	0.00299	0.00294	4.68E-04	4.80E-04	4.41E-04	4.52E-04	4.26E-04	1.24E-04	1.22E-04	2.46E-04	1.21E-04	1.19E-04	2.40E-04	1.19E-04	1.17E-04	2.37E-04
5030	493863.09, 3863377.25	0.00316	0.00316	4.95E-04	5.16E-04	4.66E-04	4.78E-04	4.51E-04	1.31E-04	1.31E-04	2.62E-04	1.28E-04	1.28E-04	2.56E-04	1.26E-04	1.26E-04	2.52E-04
5031	494363.09, 3863377.25	0.00352	0.00353	5.51E-04	5.76E-04	5.20E-04	5.32E-04	5.02E-04	1.46E-04	1.46E-04	2.92E-04	1.43E-04	1.43E-04	2.85E-04	1.41E-04	1.41E-04	2.82E-04
5032	494863.09, 3863377.25	0.00359	0.00356	5.62E-04	5.81E-04	5.30E-04	5.43E-04	5.12E-04	1.49E-04	1.48E-04	2.97E-04	1.45E-04	1.44E-04	2.89E-04	1.43E-04	1.42E-04	2.86E-04
5033	495363.09, 3863377.25	0.00353	0.00348	5.53E-04	5.68E-04	5.21E-04	5.34E-04	5.03E-04	1.46E-04	1.44E-04	2.91E-04	1.43E-04	1.41E-04	2.84E-04	1.41E-04	1.39E-04	2.80E-04
5034	495863.09, 3863377.25	0.00359	0.00353	5.62E-04	5.76E-04	5.30E-04	5.43E-04	5.12E-04	1.49E-04	1.46E-04	2.95E-04	1.45E-04	1.43E-04	2.88E-04	1.43E-04	1.41E-04	2.84E-04
5035	496363.09, 3863377.25	0.005	0.00497	7.83E-04	8.11E-04	7.38E-04	7.56E-04	7.13E-04	2.07E-04	2.06E-04	4.14E-04	2.02E-04	2.01E-04	4.04E-04	2.00E-04	1.99E-04	3.98E-04
5036	496863.09, 3863377.25	0.00516	0.00515	8.08E-04	8.41E-04	7.62E-04	7.80E-04	7.36E-04	2.14E-04	2.14E-04	4.28E-04	2.09E-04	2.08E-04	4.17E-04	2.06E-04	2.06E-04	4.12E-04
5037	497363.09, 3863377.25	0.00508	0.00509	7.96E-04	8.31E-04	7.50E-04	7.68E-04	7.24E-04	2.11E-04	2.11E-04	4.22E-04	2.06E-04	2.06E-04	4.12E-04	2.03E-04	2.03E-04	4.06E-04
5038	497863.09, 3863377.25	0.00492	0.00494	7.71E-04	8.06E-04	7.26E-04	7.44E-04	7.02E-04	2.04E-04	2.05E-04	4.09E-04	1.99E-04	2.00E-04	3.99E-04	1.97E-04	1.97E-04	3.94E-04
5039	498363.09, 3863377.25	0.00488	0.0049	7.64E-04	8.00E-04	7.20E-04	7.38E-04	6.96E-04	2.02E-04	2.03E-04	4.06E-04	1.98E-04	1.98E-04	3.96E-04	1.95E-04	1.96E-04	3.91E-04
5040	471363.09, 3863877.25	0.00092	0.0009	1.44E-04	1.47E-04	1.36E-04	1.39E-04	1.31E-04	3.82E-05	3.73E-05	7.55E-05	3.72E-05	3.64E-05	7.37E-05	3.68E-05	3.60E-05	7.27E-05
5041	471863.09, 3863877.25	0.00094	0.00092	1.47E-04	1.50E-04	1.39E-04	1.42E-04	1.34E-04	3.90E-05	3.82E-05	7.72E-05	3.81E-05	3.72E-05	7.53E-05	3.76E-05	3.68E-05	7.43E-05
5042	472363.09, 3863877.25	0.00095	0.00093	1.49E-04	1.52E-04	1.40E-04	1.44E-04	1.35E-04	3.94E-05	3.86E-05	7.80E-05	3.85E-05	3.77E-05	7.61E-05	3.79E-05	3.72E-05	7.51E-05
5043	472863.09, 3863877.25	0.00097	0.00095	1.52E-04	1.55E-04	1.43E-04	1.47E-04	1.38E-04	4.02E-05	3.94E-05	7.97E-05	3.93E-05	3.85E-05	7.77E-05	3.87E-05	3.79E-05	7.67E-05
5044	473363.09, 3863877.25	0.00099	0.00096	1.55E-04	1.57E-04	1.46E-04	1.50E-04	1.41E-04	4.11E-05	3.98E-05	8.09E-05	4.01E-05	3.89E-05	7.89E-05	3.95E-05	3.83E-05	7.79E-05
5045	473863.09, 3863877.25	0.00101	0.00098	1.58E-04	1.60E-04	1.49E-04	1.53E-04	1.44E-04	4.19E-05	4.07E-05	8.26E-05	4.09E-05	3.97E-05	8.06E-05	4.03E-05	3.91E-05	7.95E-05
5046	474363.09, 3863877.25	0.00102	0.00099	1.60E-04	1.62E-04	1.51E-04	1.54E-04	1.45E-04	4.23E-05	4.11E-05	8.34E-05	4.13E-05	4.01E-05	8.14E-05	4.07E-05	3.95E-05	8.03E-05
5047	474863.09, 3863877.25	0.00104	0.00101	1.63E-04	1.65E-04	1.53E-04	1.57E-04	1.48E-04	4.31E-05	4.19E-05	8.51E-05	4.21E-05	4.09E-05	8.30E-05	4.15E-05	4.03E-05	8.19E-05
5048	475363.09, 3863877.25	0.00106	0.00103	1.66E-04	1.68E-04	1.56E-04	1.60E-04	1.51E-04	4.40E-05	4.27E-05	8.67E-05	4.29E-05	4.17E-05	8.46E-05	4.23E-05	4.11E-05	8.35E-05
5049	475863.09, 3863877.25	0.00108	0.00105	1.69E-04	1.71E-04	1.59E-04	1.63E-04	1.54E-04	4.48E-05	4.36E-05	8.84E-05	4.37E-05	4.25E-05	8.62E-05	4.31E-05	4.19E-05	8.51E-05
5050	476363.09, 3863877.25	0.0011	0.00107	1.72E-04	1.75E-04	1.62E-04	1.66E-04	1.57E-04	4.56E-05	4.44E-05	9.00E-05	4.45E-05	4.33E-05	8.79E-05	4.39E-05	4.27E-05	8.67E-05
5051	476863.09, 3863877.25	0.00112	0.00109	1.75E-04	1.78E-04	1.65E-04	1.69E-04	1.60E-04	4.65E-05	4.52E-05	9.17E-05	4.53E-05	4.41E-05	8.95E-05	4.47E-05	4.35E-05	8.83E-05
5052	477363.09, 3863877.25	0.00114	0.0011	1.79E-04	1.80E-04	1.68E-04	1.72E-04	1.63E-04	4.73E-05	4.56E-05	9.29E-05	4.62E-05	4.45E-05	9.07E-05	4.55E-05	4.39E-05	8.95E-05
5053	477863.09, 3863877.25	0.00115	0.00112	1.80E-04	1.83E-04	1.70E-04	1.74E-04	1.64E-04	4.77E-05	4.65E-05	9.42E-05	4.66E-05	4.53E-05	9.19E-05	4.59E-05	4.47E-05	9.07E-05
5054	478363.09, 3863877.25	0.00112	0.00111	1.75E-04	1.81E-04	1.65E-04	1.69E-04	1.60E-04	4.65E-05	4.61E-05	9.25E-05	4.53E-05	4.49E-05	9.03E-05	4.47E-05	4.43E-05	8.91E-05
5055	478863.09, 3863877.25	0.00119	0.00116	1.86E-04	1.89E-04	1.76E-04	1.80E-04	1.70E-04	4.94E-05	4.81E-05	9.75E-05	4.82E-05	4.70E-05	9.51E-05	4.75E-05	4.63E-05	9.39E-05
5056	479363.09, 3863877.25	0.00123	0.00119	1.93E-04	1.94E-04	1.82E-04	1.86E-04	1.75E-04	5.10E-05	4.94E-05	1.00E-04	4.98E-05	4.82E-05	9.80E-05	4.91E-05	4.75E-05	9.67E-05
5057	479863.09, 3863877.25	0.00127	0.00123	1.99E-04	2.01E-04	1.87E-04	1.92E-04	1.81E-04	5.27E-05	5.10E-05	1.04E-04	5.14E-05	4.98E-05	1.01E-04	5.07E-05	4.91E-05	9.99E-05
5058	480363.09, 3863877.25	0.0013	0.00125	2.04E-04	2.04E-04	1.92E-04	1.97E-04	1.85E-04	5.39E-05	5.19E-05	1.06E-04	5.26E-05	5.06E-05	1.03E-04	5.19E-05	4.99E-05	1.02E-04
5059	480863.09, 3863877.25	0.00133	0.00129	2.08E-04	2.11E-04	1.96E-04	2.01E-04	1.90E-04	5.52E-05	5.35E-05	1.09E-04	5.38E-05	5.22E-05	1.06E-04	5.31E-05	5.15E-05	1.05E-04
5060	481363.09, 3863877.25	0.00137	0.00132	2.15E-04	2.15E-04	2.02E-04	2.07E-04	1.95E-04	5.68E-05	5.48E-05	1.12E-04	5.55E-05	5.34E-05	1.09E-04	5.47E-05	5.27E-05	1.07E-04
5061	481863.09, 3863877.25	0.00141	0.00136	2.21E-04	2.22E-04	2.08E-04	2.13E-04	2.01E-04	5.85E-05	5.64E-05	1.15E-04	5.71E-05	5.51E-05	1.12E-04	5.63E-05	5.43E-05	1.11E-04
5062	482363.09, 3863877.25	0.00144	0.00139	2.26E-04	2.27E-04	2.13E-04	2.18E-04	2.05E-04	5.97E-05	5.77E-05	1.17E-04	5.83E-05	5.63E-05	1.15E-04	5.75E-05	5.55E-05	1.13E-04
5063	482863.09, 3863877.25	0.00147	0.00142	2.30E-04	2.32E-04	2.17E-04	2.22E-04	2.10E-04	6.10E-05	5.89E-05	1.20E-04	5.95E-05	5.75E-05	1.17E-04	5.87E-05	5.67E-05	1.15E-04
5064	483363.09, 3863877.25	0.0015	0.00146	2.35E-04	2.38E-04	2.21E-04	2.27E-04	2.14E-04	6.22E-05	6.06E-05	1.23E-04	6.07E-05	5.91E-05	1.20E-04	5.99E-05	5.83E-05	1.18E-04
5065	483863.09, 3863877.25	0.00153	0.00149	2.40E-04	2.43E-04	2.26E-04	2.31E-04	2.18E-04	6.35E-05	6.18E-05	1.25E-04	6.19E-05	6.03E-05	1.22E-04	6.11E-05	5.95E-05	1.21E-04
5066	484363.09, 3863877.25	0.00157	0.00153	2.46E-04	2.50E-04	2.32E-04	2.37E-04	2.24E-04	6.51E-05	6.35E-05	1.29E-04	6.36E-05	6.19E-05	1.26E-04	6.27E-05	6.11E-05	1.24E-04
5067	484863.09, 3863877.25	0.00161	0.00158	2.52E-04	2.58E-04	2.38E-04	2.43E-04	2.30E-04	6.68E-05	6.56E-05	1.32E-04	6.52E-05	6.40E-05	1.29E-04	6.43E-05	6.31E-05	1.27E-04
5068	485363.09, 3863877.25	0.00165	0.00162	2.58E-04	2.64E-04	2.44E-04	2.49E-04	2.35E-04	6.85E-05	6.72E-05	1.36E-04	6.68E-05	6.56E-05	1.32E-04	6.59E-05	6.47E-05	1.31E-04
5069	485863.09, 3863877.25	0.00169	0.00166	2.65E-04	2.71E-04	2.49E-04	2.55E-04	2.41E-04	7.01E-05	6.89E-05	1.39E-04	6.84E-05	6.72E-05	1.36E-04	6.75E-05	6.63E-05	1.34E-04
5070	486363.09, 3863877.25	0.00173	0.0017	2.71E-04	2.77E-04	2.55E-04	2.62E-04	2.47E-04	7.18E-05	7.05E-05	1.42E-04	7.00E-05	6.88E-05	1.39E-04	6.91E-05	6.79E-05	1.37E-04
5071	486863.09, 3863877.25	0.00178	0.00175	2.79E-04	2.86E-04	2.63E-04	2.69E-04	2.54E-04	7.38E-05	7.26E-05	1.46E-04	7.21E-05	7.08E-05	1.43E-04	7.11E-05	6.99E-05	1.41E-04
5072	487363.09, 3863877.25	0.00184	0.00181	2.88E-04	2.95E-04	2.72E-04	2.78E-04	2.62E-04	7.63E-05	7.51E-05	1.51E-04	7.45E-05	7.33E-05	1.48E-04	7.35E-05	7.23E-05	1.46E-04
5073	487863.09, 3863877.25	0.00192	0.00188	3.01E-04	3.07E-04	2.83E-04	2.90E-04	2.74E-04	7.97E-05	7.80E-05	1.58E-04	7.77E-05	7.61E-05	1.54E-04	7.67E-05	7.51E-05	1.52E-04
5074	488363.09, 3863877.25	0.002	0.00195	3.13E-04	3.18E-04	2.95E-04	3.02E-04	2.85E-04	8.30E-05	8.09E-05	1.64E-04	8.10E-05	7.89E-05	1.60E-04	7.99E-05	7.79E-05	1.58E-04
5075	488863.09, 3863877.25	0.00208	0.00202	3.26E-04	3.30E-04	3.07E-04	3.14E-04	2.97E-04	8.63E-05	8.38E-05	1.70E-04	8.42E-05	8.18E-05	1.66E-04	8.31E-05	8.07E-05	1.64E-04
5076	489363.09, 3863877.25	0.00217	0.0021	3.40E-04	3.43E-04	3.20E-04	3.28E-04	3.09E-04	9.00E-05	8.71E-05	1.77E-04	8.79E-05	8.50E-05	1.73E-04	8.67E-05	8.39E-05	1.71E-04
5077	489863.09, 3863877.25	0.00225	0.00218	3.52E-04	3.56E-04	3.32E-04	3.40E-04	3.21E-04	9.33E-05	9.04E-05	1.84E-04	9.11E-05	8.83E-05	1.79E-04	8.99E-05	8.71E-05	1.77E-04
5078	490363.09, 3863877.25	0.00233	0.00227	3.65E-04	3.71E-04	3.44E-04	3.52E-04	3.32E-04	9.67E-05	9.42E-05	1.91E-04	9.43E-05	9.19E-05	1.86E-04	9.31E-05	9.07E-05	1.84E-04
5079	490863.09, 3863877.25	0.0024	0.00236	3.76E-04	3.85E-04	3.54E-04	3.63E-04	3.42E-04	9.96E-05	9.79E-05	1.97E-04	9.72E-05	9.55E-05	1.93E-04	9.59E-05	9.43E-05	1.90E-04
5080	491363.09, 3863877.25	0.00246	0.00245	3.85E-04	4.00E-04	3.63E-04	3.72E-04	3.51E-04	1.02E-04	1.02E-04	2.04E-04	9.96E-05	9.92E-05	1.99E-04	9.83E-05	9.79E-05	1.96E-04
5081	491863.09, 3863877.25	0.00243	0.00245	3.81E-04	4.00E-04	3.59E-04	3.67E-04	3.46E-04	1.01E-04	1.02E-04	2.02E-04	9.84E-05	9.92E-05	1.98E-04	9.71E-05	9.79E-05	1.95E-04
5082	492363.09, 3863877.25	0.00215	0.00219	3.37E-04	3.57E-04	3.17E-04	3.25E-04	3.07E-04	8.92E-05	9.09E-05	1.80E-04	8.70E-05	8.87E-05	1.76E-04	8.59E-05	8.75E-05	1.73E-04
5083	492863.09, 3863877.25	0.00192	0.00194	3.01E-04	3.17E-04	2.83E-04	2.90E-04	2.74E-04	7.97E-05	8.05E-05	1.60E-04	7.77E-05	7.85E-05	1.56E-04	7.67E-05	7.75E-05	1.54E-04
5084	493363.09, 3863877.25	0.00202	0.00196	3.16E-04	3.20E-04	2.98E-04	3.05E-04	2.88E-04	8.38E-05	8.13E-05	1.65E-04	8.18E-05	7.93E-05	1.61E-04	8.07E-05	7.83E-05	1.59E-04
5085	493863.09, 3863877.25	0.00218	0.00211	3.41E-04	3.44E-04	3.22E-04	3.30E-04	3.11E-04	9.04E-05	8.75E-05	1.78E-04	8.83E-05	8.54E-05	1.74E-04	8.71E-05	8.43E-05	1.71E-04
5086	494363.09, 3863877.25	0.00234	0.00234	3.67E-04	3.82E-04	3.45E-04	3.54E-04	3.34E-04	9.71E-05	9.71E-05	1.94E-04	9.47E-05	9.47E-05	1.89E-04	9.35E-05	9.35E-05	1.87E-04
5087	494863.09, 3863877.25	0.00239	0.00242	3.74E-04	3.95E-04	3.53E-04	3.61E-04	3.41E-04	9.92E-05	1.00E-04	2.00E-04	9.68E-05	9.80E-05	1.95E-04	9.55E-05	9.67E-05	1.92E-04
5088	495363.09, 3863877.25	0.00248	0.00247	3.88E-04	4.03E-04	3.66E-04	3.75E-04	3.54E-04	1.03E-04	1.02E-04	2.05E-04	1.00E-04	1.00E-04	2.00E-04	9.91E-05	9.87E-05	1.98E-04
5089	495863.09, 3863877.25	0.00251	0.00246	3.93E-04	4.02E-04	3.70E-04	3.79E-04	3.58E-04	1.04E-04	1.02E-04	2.06E-04	1.02E-04	9.96E-05	2.01E-04	1.00E-04	9.83E-05	1.99E-04
5090	496363.09, 3863877.25	0.00284	0.00279	4.45E-04	4.55E-04	4.19E-04	4.29E-04	4.05E-04	1.18E-04	1.16E-04	2.34E-04	1.15E-04	1.13E-04	2.28E-04	1.13E-04	1.11E-04	2.25E-04
5091	496863.09, 3863877.25	0.0032	0.00316	5.01E-04	5.16E-04	4.72E-04	4.84E-04	4.56E-04	1.33E-04	1.31E-04	2.64E-04	1.30E-04	1.28E-04	2.57E-04	1.28E-04	1.26E-04	2.54E-04
5092	497363.09, 3863877.25	0.00329	0.00326	5.15E-04	5.32E-04	4.86E-04	4.97E-04	4.69E-04	1.36E-04	1.35E-04	2.72E-04	1.33E-04	1.32E-04	2.65E-04	1.31E-04	1.30E-04	2.62E-04
5093	497863.09, 3863877.25	0.00323	0.00322	5.06E-04	5.26E-04	4.77E-04	4.88E-04	4.61E-04	1.34E-04	1.34E-04	2.68E-04	1.31E-04	1.30E-04	2.61E-04	1.29E-04	1.29E-04	2.58E-04
5094	498363.09, 3863877.25	0.00313	0.00313	4.90E-04	5.11E-04	4.62E-04	4.73E-04	4.46E-04	1.30E-04	1.30E-04	2.60E-04	1.27E-04	1.27E-04	2.53E-04	1.25E-04	1.25E-04	2.50E-04
5095	471363.09, 3864377.25	0.0009	0.00088	1.41E-04	1.44E-04	1.33E-04	1.36E-04	1.28E-04	3.73E-05	3.65E-05	7.38E-05	3.64E-05	3.56E-05	7.21E-05	3.60E-05	3.52E-05	7.11E-05
5096	471863.09, 3864377.25	0.00091	0.00089	1.43E-04	1.45E-04	1.34E-04	1.38E-04	1.30E-04	3.78E-05	3.69E-05	7.47E-05	3.68E-05	3.60E-05	7.29E-05	3.64E-05	3.56E-05	7.19E-05
5097	472363.09, 3864377.25	0.00093	0.00091	1.46E-04	1.49E-04	1.37E-04	1.41E-04	1.33E-04	3.86E-05	3.78E-05	7.63E-05	3.77E-05	3.68E-05	7.45E-05	3.72E-05	3.64E-05	7.35E-05
5098	472863.09, 3864377.25	0.00095	0.00092	1.49E-04	1.50E-04	1.40E-04	1.44E-04	1.35E-04	3.94E-05	3.82E-05	7.76E-05	3.85E-05	3.72E-05	7.57E-05	3.79E-05	3.68E-05	7.47E-05
5099	473363.09, 3864377.25	0.00096	0.00094	1.50E-04	1.53E-04	1.42E-04	1.45E-04	1.37E-04	3.98E-05	3.90E-05	7.88E-05	3.89E-05	3.81E-05	7.69E-05	3.83E-05	3.76E-05	7.59E-05
5100	473863.09, 3864377.25	0.00098	0.00095	1.54E-04	1.55E-04	1.45E-04	1.48E-04	1.40E-04	4.07E-05	3.94E-05	8.01E-05	3.97E-05	3.85E-05	7.81E-05	3.91E-05	3.79E-05	7.71E-05

5101	474363.09, 3864377.25	0.00099	0.00097	1.55E-04	1.58E-04	1.46E-04	1.50E-04	1.41E-04	4.11E-05	4.02E-05	8.13E-05	4.01E-05	3.93E-05	7.93E-05	3.95E-05	3.87E-05	7.83E-05
5102	474863.09, 3864377.25	0.00101	0.00098	1.58E-04	1.60E-04	1.49E-04	1.53E-04	1.44E-04	4.19E-05	4.07E-05	8.26E-05	4.09E-05	3.97E-05	8.06E-05	4.03E-05	3.91E-05	7.95E-05
5103	475363.09, 3864377.25	0.00102	0.001	1.60E-04	1.63E-04	1.51E-04	1.54E-04	1.45E-04	4.23E-05	4.15E-05	8.38E-05	4.13E-05	4.05E-05	8.18E-05	4.07E-05	3.99E-05	8.07E-05
5104	475863.09, 3864377.25	0.00104	0.00102	1.63E-04	1.66E-04	1.53E-04	1.57E-04	1.48E-04	4.31E-05	4.23E-05	8.55E-05	4.21E-05	4.13E-05	8.34E-05	4.15E-05	4.07E-05	8.23E-05
5105	476363.09, 3864377.25	0.00106	0.00103	1.66E-04	1.68E-04	1.56E-04	1.60E-04	1.51E-04	4.40E-05	4.27E-05	8.67E-05	4.29E-05	4.17E-05	8.46E-05	4.23E-05	4.11E-05	8.35E-05
5106	476863.09, 3864377.25	0.00108	0.00105	1.69E-04	1.71E-04	1.59E-04	1.63E-04	1.54E-04	4.48E-05	4.36E-05	8.84E-05	4.37E-05	4.25E-05	8.62E-05	4.31E-05	4.19E-05	8.51E-05
5107	477363.09, 3864377.25	0.00111	0.00107	1.74E-04	1.75E-04	1.64E-04	1.68E-04	1.58E-04	4.61E-05	4.44E-05	9.04E-05	4.49E-05	4.33E-05	8.83E-05	4.43E-05	4.27E-05	8.71E-05
5108	477863.09, 3864377.25	0.00113	0.00109	1.77E-04	1.78E-04	1.67E-04	1.71E-04	1.61E-04	4.69E-05	4.52E-05	9.21E-05	4.57E-05	4.41E-05	8.99E-05	4.51E-05	4.35E-05	8.87E-05
5109	478363.09, 3864377.25	0.00114	0.00111	1.79E-04	1.81E-04	1.68E-04	1.72E-04	1.63E-04	4.73E-05	4.61E-05	9.33E-05	4.62E-05	4.49E-05	9.11E-05	4.55E-05	4.43E-05	8.99E-05
5110	478863.09, 3864377.25	0.00116	0.00113	1.82E-04	1.84E-04	1.71E-04	1.75E-04	1.65E-04	4.81E-05	4.69E-05	9.50E-05	4.70E-05	4.57E-05	9.27E-05	4.63E-05	4.51E-05	9.15E-05
5111	479363.09, 3864377.25	0.00118	0.00115	1.85E-04	1.88E-04	1.74E-04	1.78E-04	1.68E-04	4.90E-05	4.77E-05	9.67E-05	4.78E-05	4.66E-05	9.43E-05	4.71E-05	4.59E-05	9.31E-05
5112	479863.09, 3864377.25	0.00121	0.00117	1.90E-04	1.91E-04	1.79E-04	1.83E-04	1.73E-04	5.02E-05	4.85E-05	9.87E-05	4.90E-05	4.74E-05	9.64E-05	4.83E-05	4.67E-05	9.51E-05
5113	480363.09, 3864377.25	0.00123	0.00119	1.93E-04	1.94E-04	1.82E-04	1.86E-04	1.75E-04	5.10E-05	4.94E-05	1.00E-04	4.98E-05	4.82E-05	9.80E-05	4.91E-05	4.75E-05	9.67E-05
5114	480863.09, 3864377.25	0.00125	0.00122	1.96E-04	1.99E-04	1.84E-04	1.89E-04	1.78E-04	5.19E-05	5.06E-05	1.02E-04	5.06E-05	4.94E-05	1.00E-04	4.99E-05	4.87E-05	9.87E-05
5115	481363.09, 3864377.25	0.00129	0.00125	2.02E-04	2.04E-04	1.90E-04	1.95E-04	1.84E-04	5.35E-05	5.19E-05	1.05E-04	5.22E-05	5.06E-05	1.03E-04	5.15E-05	4.99E-05	1.01E-04
5116	481863.09, 3864377.25	0.00133	0.00128	2.08E-04	2.09E-04	1.96E-04	2.01E-04	1.90E-04	5.52E-05	5.31E-05	1.08E-04	5.38E-05	5.18E-05	1.06E-04	5.31E-05	5.11E-05	1.04E-04
5117	482363.09, 3864377.25	0.00135	0.00131	2.11E-04	2.14E-04	1.99E-04	2.04E-04	1.92E-04	5.60E-05	5.43E-05	1.10E-04	5.47E-05	5.30E-05	1.08E-04	5.39E-05	5.23E-05	1.06E-04
5118	482863.09, 3864377.25	0.00137	0.00134	2.15E-04	2.19E-04	2.02E-04	2.07E-04	1.95E-04	5.68E-05	5.56E-05	1.12E-04	5.55E-05	5.42E-05	1.10E-04	5.47E-05	5.35E-05	1.08E-04
5119	483363.09, 3864377.25	0.0014	0.00137	2.19E-04	2.24E-04	2.07E-04	2.12E-04	2.00E-04	5.81E-05	5.68E-05	1.15E-04	5.67E-05	5.55E-05	1.12E-04	5.59E-05	5.47E-05	1.11E-04
5120	483863.09, 3864377.25	0.00143	0.0014	2.24E-04	2.29E-04	2.11E-04	2.16E-04	2.04E-04	5.93E-05	5.81E-05	1.17E-04	5.79E-05	5.67E-05	1.15E-04	5.71E-05	5.59E-05	1.13E-04
5121	484363.09, 3864377.25	0.00146	0.00143	2.29E-04	2.33E-04	2.15E-04	2.21E-04	2.08E-04	6.06E-05	5.93E-05	1.20E-04	5.91E-05	5.79E-05	1.17E-04	5.83E-05	5.71E-05	1.15E-04
5122	484863.09, 3864377.25	0.0015	0.00147	2.35E-04	2.40E-04	2.21E-04	2.27E-04	2.14E-04	6.22E-05	6.10E-05	1.23E-04	6.07E-05	5.95E-05	1.20E-04	5.99E-05	5.87E-05	1.19E-04
5123	485363.09, 3864377.25	0.00154	0.00151	2.41E-04	2.46E-04	2.27E-04	2.33E-04	2.20E-04	6.39E-05	6.26E-05	1.27E-04	6.23E-05	6.11E-05	1.23E-04	6.15E-05	6.03E-05	1.22E-04
5124	485863.09, 3864377.25	0.00158	0.00155	2.48E-04	2.53E-04	2.33E-04	2.39E-04	2.25E-04	6.56E-05	6.43E-05	1.30E-04	6.40E-05	6.28E-05	1.27E-04	6.31E-05	6.19E-05	1.25E-04
5125	486363.09, 3864377.25	0.00161	0.00159	2.52E-04	2.60E-04	2.38E-04	2.43E-04	2.30E-04	6.68E-05	6.60E-05	1.33E-04	6.52E-05	6.44E-05	1.30E-04	6.43E-05	6.35E-05	1.28E-04
5126	486863.09, 3864377.25	0.00165	0.00163	2.58E-04	2.66E-04	2.44E-04	2.49E-04	2.35E-04	6.85E-05	6.76E-05	1.36E-04	6.68E-05	6.60E-05	1.33E-04	6.59E-05	6.51E-05	1.31E-04
5127	487363.09, 3864377.25	0.0017	0.00167	2.66E-04	2.73E-04	2.51E-04	2.57E-04	2.42E-04	7.05E-05	6.93E-05	1.40E-04	6.88E-05	6.76E-05	1.36E-04	6.79E-05	6.67E-05	1.35E-04
5128	487863.09, 3864377.25	0.00175	0.00172	2.74E-04	2.81E-04	2.58E-04	2.65E-04	2.50E-04	7.26E-05	7.14E-05	1.44E-04	7.08E-05	6.96E-05	1.40E-04	6.99E-05	6.87E-05	1.39E-04
5129	488363.09, 3864377.25	0.00181	0.00176	2.84E-04	2.87E-04	2.67E-04	2.74E-04	2.58E-04	7.51E-05	7.30E-05	1.48E-04	7.33E-05	7.13E-05	1.45E-04	7.23E-05	7.03E-05	1.43E-04
5130	488863.09, 3864377.25	0.00186	0.00181	2.91E-04	2.95E-04	2.75E-04	2.81E-04	2.65E-04	7.72E-05	7.51E-05	1.52E-04	7.53E-05	7.33E-05	1.49E-04	7.43E-05	7.23E-05	1.47E-04
5131	489363.09, 3864377.25	0.00191	0.00185	2.99E-04	3.02E-04	2.82E-04	2.89E-04	2.72E-04	7.92E-05	7.68E-05	1.56E-04	7.73E-05	7.49E-05	1.52E-04	7.63E-05	7.39E-05	1.50E-04
5132	489863.09, 3864377.25	0.00196	0.0019	3.07E-04	3.10E-04	2.89E-04	2.96E-04	2.79E-04	8.13E-05	7.88E-05	1.60E-04	7.93E-05	7.69E-05	1.56E-04	7.83E-05	7.59E-05	1.54E-04
5133	490363.09, 3864377.25	0.00202	0.00195	3.16E-04	3.18E-04	2.98E-04	3.05E-04	2.88E-04	8.38E-05	8.09E-05	1.65E-04	8.18E-05	7.89E-05	1.61E-04	8.07E-05	7.79E-05	1.59E-04
5134	490863.09, 3864377.25	0.00206	0.00201	3.23E-04	3.28E-04	3.04E-04	3.11E-04	2.94E-04	8.55E-05	8.34E-05	1.69E-04	8.34E-05	8.14E-05	1.65E-04	8.23E-05	8.03E-05	1.63E-04
5135	491363.09, 3864377.25	0.00196	0.00193	3.07E-04	3.15E-04	2.89E-04	2.96E-04	2.79E-04	8.13E-05	8.01E-05	1.61E-04	7.93E-05	7.81E-05	1.57E-04	7.83E-05	7.71E-05	1.55E-04
5136	491863.09, 3864377.25	0.00114	0.00121	1.79E-04	1.98E-04	1.68E-04	1.72E-04	1.63E-04	4.73E-05	5.02E-05	9.75E-05	4.62E-05	4.90E-05	9.51E-05	4.55E-05	4.83E-05	9.39E-05
5137	492363.09, 3864377.25	0.00144	0.00151	2.26E-04	2.46E-04	2.13E-04	2.18E-04	2.05E-04	5.97E-05	6.26E-05	1.22E-04	5.83E-05	6.11E-05	1.19E-04	5.75E-05	6.03E-05	1.18E-04
5138	492863.09, 3864377.25	0.00118	0.00126	1.85E-04	2.06E-04	1.74E-04	1.78E-04	1.68E-04	4.90E-05	5.23E-05	1.01E-04	4.78E-05	5.10E-05	9.88E-05	4.71E-05	5.03E-05	9.75E-05
5139	493363.09, 3864377.25	0.00138	0.00139	2.16E-04	2.27E-04	2.04E-04	2.09E-04	1.97E-04	5.73E-05	5.77E-05	1.15E-04	5.59E-05	5.63E-05	1.12E-04	5.51E-05	5.55E-05	1.11E-04
5140	493863.09, 3864377.25	0.00162	0.00155	2.54E-04	2.53E-04	2.39E-04	2.45E-04	2.31E-04	6.72E-05	6.43E-05	1.32E-04	6.56E-05	6.28E-05	1.28E-04	6.47E-05	6.19E-05	1.27E-04
5141	494363.09, 3864377.25	0.00178	0.00172	2.79E-04	2.81E-04	2.63E-04	2.69E-04	2.54E-04	7.38E-05	7.14E-05	1.45E-04	7.21E-05	6.96E-05	1.42E-04	7.11E-05	6.87E-05	1.40E-04
5142	494863.09, 3864377.25	0.0019	0.0019	2.98E-04	3.10E-04	2.80E-04	2.87E-04	2.71E-04	7.88E-05	7.88E-05	1.58E-04	7.69E-05	7.69E-05	1.54E-04	7.59E-05	7.59E-05	1.52E-04
5143	495363.09, 3864377.25	0.0019	0.00193	2.98E-04	3.15E-04	2.80E-04	2.87E-04	2.71E-04	7.88E-05	8.01E-05	1.59E-04	7.69E-05	7.81E-05	1.55E-04	7.59E-05	7.71E-05	1.53E-04
5144	495863.09, 3864377.25	0.00192	0.00192	3.01E-04	3.13E-04	2.83E-04	2.90E-04	2.74E-04	7.97E-05	7.97E-05	1.59E-04	7.77E-05	7.77E-05	1.55E-04	7.67E-05	7.67E-05	1.53E-04
5145	496363.09, 3864377.25	0.00203	0.002	3.18E-04	3.26E-04	3.00E-04	3.07E-04	2.89E-04	8.42E-05	8.30E-05	1.67E-04	8.22E-05	8.10E-05	1.63E-04	8.11E-05	7.99E-05	1.61E-04
5146	496863.09, 3864377.25	0.00209	0.00205	3.27E-04	3.35E-04	3.08E-04	3.16E-04	2.98E-04	8.67E-05	8.51E-05	1.72E-04	8.46E-05	8.30E-05	1.68E-04	8.35E-05	8.19E-05	1.65E-04
5147	497363.09, 3864377.25	0.00228	0.00223	3.57E-04	3.64E-04	3.36E-04	3.45E-04	3.25E-04	9.46E-05	9.25E-05	1.87E-04	9.23E-05	9.03E-05	1.83E-04	9.11E-05	8.91E-05	1.80E-04
5148	497863.09, 3864377.25	0.00231	0.00227	3.62E-04	3.71E-04	3.41E-04	3.49E-04	3.29E-04	9.58E-05	9.42E-05	1.90E-04	9.35E-05	9.19E-05	1.85E-04	9.23E-05	9.07E-05	1.83E-04
5149	498363.09, 3864377.25	0.00244	0.00241	3.82E-04	3.93E-04	3.60E-04	3.69E-04	3.48E-04	1.01E-04	1.00E-04	2.01E-04	9.88E-05	9.76E-05	1.96E-04	9.75E-05	9.63E-05	1.94E-04
5150	471363.09, 3864877.25	0.00087	0.00086	1.36E-04	1.40E-04	1.28E-04	1.32E-04	1.24E-04	3.61E-05	3.57E-05	7.18E-05	3.52E-05	3.48E-05	7.00E-05	3.48E-05	3.44E-05	6.91E-05
5151	471863.09, 3864877.25	0.00089	0.00087	1.39E-04	1.42E-04	1.31E-04	1.35E-04	1.27E-04	3.69E-05	3.61E-05	7.30E-05	3.60E-05	3.52E-05	7.13E-05	3.56E-05	3.48E-05	7.03E-05
5152	472363.09, 3864877.25	0.0009	0.00088	1.41E-04	1.44E-04	1.33E-04	1.36E-04	1.28E-04	3.73E-05	3.65E-05	7.38E-05	3.64E-05	3.56E-05	7.21E-05	3.60E-05	3.52E-05	7.11E-05
5153	472863.09, 3864877.25	0.00092	0.0009	1.44E-04	1.47E-04	1.36E-04	1.39E-04	1.31E-04	3.82E-05	3.73E-05	7.55E-05	3.72E-05	3.64E-05	7.37E-05	3.68E-05	3.60E-05	7.27E-05
5154	473363.09, 3864877.25	0.00093	0.00091	1.46E-04	1.49E-04	1.37E-04	1.41E-04	1.33E-04	3.86E-05	3.78E-05	7.63E-05	3.77E-05	3.68E-05	7.45E-05	3.72E-05	3.64E-05	7.35E-05
5155	473863.09, 3864877.25	0.00095	0.00092	1.49E-04	1.50E-04	1.40E-04	1.44E-04	1.35E-04	3.94E-05	3.82E-05	7.76E-05	3.85E-05	3.72E-05	7.57E-05	3.79E-05	3.68E-05	7.47E-05
5156	474363.09, 3864877.25	0.00096	0.00093	1.50E-04	1.52E-04	1.42E-04	1.45E-04	1.37E-04	3.98E-05	3.86E-05	7.84E-05	3.89E-05	3.77E-05	7.65E-05	3.83E-05	3.72E-05	7.55E-05
5157	474863.09, 3864877.25	0.00097	0.00095	1.52E-04	1.55E-04	1.43E-04	1.47E-04	1.38E-04	4.02E-05	3.94E-05	7.97E-05	3.93E-05	3.85E-05	7.77E-05	3.87E-05	3.79E-05	7.67E-05
5158	475363.09, 3864877.25	0.00099	0.00096	1.55E-04	1.57E-04	1.46E-04	1.50E-04	1.41E-04	4.11E-05	3.98E-05	8.09E-05	4.01E-05	3.89E-05	7.89E-05	3.95E-05	3.83E-05	7.79E-05
5159	475863.09, 3864877.25	0.00101	0.00098	1.58E-04	1.60E-04	1.49E-04	1.53E-04	1.44E-04	4.19E-05	4.07E-05	8.26E-05	4.09E-05	3.97E-05	8.06E-05	4.03E-05	3.91E-05	7.95E-05
5160	476363.09, 3864877.25	0.00103	0.00099	1.61E-04	1.62E-04	1.52E-04	1.56E-04	1.47E-04	4.27E-05	4.11E-05	8.38E-05	4.17E-05	4.01E-05	8.18E-05	4.11E-05	3.95E-05	8.07E-05
5161	476863.09, 3864877.25	0.00104	0.00101	1.63E-04	1.65E-04	1.53E-04	1.57E-04	1.48E-04	4.31E-05	4.19E-05	8.51E-05	4.21E-05	4.09E-05	8.30E-05	4.15E-05	4.03E-05	8.19E-05
5162	477363.09, 3864877.25	0.00106	0.00103	1.66E-04	1.68E-04	1.56E-04	1.60E-04	1.51E-04	4.40E-05	4.27E-05	8.67E-05	4.29E-05	4.17E-05	8.46E-05	4.23E-05	4.11E-05	8.35E-05
5163	477863.09, 3864877.25	0.00108	0.00104	1.69E-04	1.70E-04	1.59E-04	1.63E-04	1.54E-04	4.48E-05	4.31E-05	8.80E-05	4.37E-05	4.21E-05	8.58E-05	4.31E-05	4.15E-05	8.47E-05
5164	478363.09, 3864877.25	0.00109	0.00106	1.71E-04	1.73E-04	1.61E-04	1.65E-04	1.55E-04	4.52E-05	4.40E-05	8.92E-05	4.41E-05	4.29E-05	8.70E-05	4.35E-05	4.23E-05	8.59E-05
5165	478863.09, 3864877.25	0.00111	0.00108	1.74E-04	1.76E-04	1.64E-04	1.68E-04	1.58E-04	4.61E-05	4.48E-05	9.09E-05	4.49E-05	4.37E-05	8.87E-05	4.43E-05	4.31E-05	8.75E-05
5166	479363.09, 3864877.25	0.00113	0.0011	1.77E-04	1.80E-04	1.67E-04	1.71E-04	1.61E-04	4.69E-05	4.56E-05	9.25E-05	4.57E-05	4.45E-05	9.03E-05	4.51E-05	4.39E-05	8.91E-05
5167	479863.09, 3864877.25	0.00115	0.00112	1.80E-04	1.83E-04	1.70E-04	1.74E-04	1.64E-04	4.77E-05	4.65E-05	9.42E-05	4.66E-05	4.53E-05	9.19E-05	4.59E-05	4.47E-05	9.07E-05
5168	480363.09, 3864877.25	0.00117	0.00114	1.83E-04	1.86E-04	1.73E-04	1.77E-04	1.67E-04	4.85E-05	4.73E-05	9.58E-05	4.74E-05	4.62E-05	9.35E-05	4.67E-05	4.55E-05	9.23E-05
5169	480863.09, 3864877.25	0.00119	0.00116	1.86E-04	1.89E-04	1.76E-04	1.80E-04	1.70E-04	4.94E-05	4.81E-05	9.75E-05	4.82E-05	4.70E-05	9.51E-05	4.75E-05	4.63E-05	9.39E-05
5170	481363.09, 3864877.25	0.00123	0.00119	1.93E-04	1.94E-04	1.82E-04	1.86E-04	1.75E-04	5.10E-05	4.94E-05	1.00E-04	4.98E-05	4.82E-05	9.80E-05	4.91E-05	4.75E-05	9.67E-05
5171	481863.09, 3864877.25	0.00126	0.00122	1.97E-04	1.99E-04	1.86E-04	1.90E-04	1.80E-04	5.23E-05	5.06E-05	1.03E-04	5.10E-05	4.94E-05	1.00E-04	5.03E-05	4.87E-05	9.91E-05
5172	482363.09, 3864877.25	0.00128	0.00124	2.01E-04	2.02E-04	1.89E-04	1.93E-04	1.83E-04	5.31E-05	5.14E-05	1.05E-04	5.18E-05	5.02E-05	1.02E-04	5.11E-05	4.95E-05	1.01E-04
5173	482863.09, 3864877.25	0.0013	0.00127	2.04E-04	2.07E-04	1.92E-04	1.97E-04	1.85E-04	5.39E-05	5.27E-05	1.07E-04	5.26E-05	5.14E-05	1.04E-04	5.19E-05	5.07E-05	1.03E-04
5174	483363.09, 3864877.25	0.00133	0.00129	2.08E-04	2.11E-04	1.96E-04	2.01E-04	1.90E-04	5.52E-05	5.35E-05	1.09E-04	5.38E-05	5.22E-05	1.06E-04	5.31E-05	5.15E-05	1.05E-04
5175	483863.09, 3864877.25	0.00135	0.00132	2.11E-04	2.15E-04	1.99E-04	2.04E-04	1.92E-04	5.60E-05	5.48E-05	1.11E-04	5.47E-05	5.34E-05	1.08E-04	5.39E-05	5.27E-05	1.07E-04
5176	484363.09, 3864877.25	0.00137	0.00135	2.15E-04	2.20E-04	2.02E-04	2.07E-04	1.95E-04	5.68E-05	5.60E-05	1.13E-04	5.55E-05	5.47E-05	1.10E-04	5.47E-05	5.39E-05	1.09E-04
5177	484863.09, 3864877.25	0.0014	0.00138	2.19E-04	2.25E-04	2.07E-04	2.12E-04	2.00E-04	5.81E-05	5.73E-05	1.15E-04	5.67E-05	5.59E-05	1.13E-04	5.59E-05	5.51E-05	1.11E-04
5178	485363.09, 3864877.25	0.00144	0.00141	2.26E-04	2.30E-04	2.13E-04	2.18E-04	2.05E-04	5.97E-05	5.85E-05	1.18E-04	5.83E-05	5.71E-05	1.15E-04	5.75E-05	5.63E-05	1.14E-04
5179	485863.09, 3864877.25	0.00146	0.00144	2.29E-04	2.35E-04	2.15E-04	2.21E-04	2.08E-04	6.06E-05	5.97E-05	1.20E-04	5.91E-05	5.83E-05	1.17E-04	5.83E-05	5.75E-05	1.16E-04
5180	486363.09, 3864877.25	0.00148	0.00146	2.32E-04	2.38E-04	2.18E-04	2.24E-04	2.11E-04	6.14E-05	6.06E-05	1.22E-04	5.99E-05	5.91E-05	1.19E-04	5.91E-05	5.83E-05	1.17E-04
5181	486863.09, 3864877.25	0.0015	0.00149	2.35E-04	2.43E-04	2.21E-04	2.27E-04	2.14E-04	6.22E-05	6.18E-05	1.24E-04	6.07E-05	6.03E-05	1.21E-04	5.99E-05	5.95E-05	1.19E-04
5182	487363.09, 3864877.25	0.00153	0.00152	2.40E-04	2.48E-04	2.26E-04	2.31E-04	2.18E-04	6.35E-05	6.31E-05	1.27E-04	6.19E-05	6.15E-05	1.23E-04	6.11E-05	6.07E-05	1.22E-04
5183	487863.09, 3864877.25	0.00157	0.00155	2.46E-04	2.53E-04	2.32E-04	2.37E-04	2.24E-04	6.51E-05	6.43E-05	1.29E-04	6.36E-05	6.28E-05	1.26E-04	6.27E-05	6.19E-05	1.25E-04
5184	488363.09, 3864877.25	0.00162	0.00159	2.54E-04	2.60E-04	2.39E-04	2.45E-04	2.31E-04	6.72E-05	6.60E-05	1.33E-04	6.56E-05	6.44E-05	1.30E-04	6.47E-05	6.35E-05	1.28E-04
5185	488863.09, 3864877.25	0.00166	0.00162	2.60E-04	2.64E-04	2.45E-04	2.51E-04	2.37E-04	6.89E-05	6.72E-05	1.36E-04	6.72E-05	6.56E-05	1.33E-04	6.63E-05	6.47E-05	1.31E-04
5186	489363.09, 3864877.25	0.0017	0.00164	2.66E-04	2.68E-04	2.51E-04	2.57E-04	2.42E-04	7.05E-05	6.80E-05	1.39E-04	6.88E-05	6.64E-05	1.35E-04	6.79E-05	6.55E-05	1.33E-04
5187	489863.09, 3864877.25	0.00173	0.00167	2.71E-04	2.73E-04	2.55E-04	2.62E-04	2.47E-04	7.18E-05	6.93E-05	1.41E-04	7.00E-05	6.76E-05	1.38E-04	6.91E-05	6.67E-05	1.36E-04
5188	490363.09, 3864877.25	0.00177	0.00171	2.77E-04	2.79E-04	2.61E-04	2.68E-04	2.52E-04	7.34E-05	7.09E-05	1.44E-04	7.17E-05	6.92E-05	1.41E-04	7.07E-05	6.83E-05	1.39E-04
5189	490863.09, 3864877.25	0.00154	0.00147	2.41E-04	2.40E-04	2.27E-04	2.33E-04	2.20E-04	6.39E-05	6.10E-05	1.25E-04	6.23E-05	5.95E-05	1.22E-04	6.15E-05	5.87E-05	1.20E-04
5190	491363.09, 3864877.25	0.00173	0.0017	2.71E-04	2.77E-04	2.55E-04	2.62E-04	2.47E-04	7.18E-05	7.05E-05	1.42E-04	7.00E-05	6.88E-05	1.39E-04	6.91E-05	6.79E-05	1.37E-04
5191	491863.09, 3864877.25	0.00149	0.00148	2.33E-04	2.42E-04	2.20E-04	2.25E-04	2.12E-04	6.18E-05	6.14E-05	1.23E-04	6.03E-05	5.99E-05	1.20E-04	5.95E-05	5.91E-05	1.19E-04
5192	492363.09, 3864877.25	0.00091	0.00096	1.43E-04	1.57E-04	1.34E-04	1.38E-04	1.30E-04	3.78E-05	3.98E-05	7.76E-05	3.68E-05	3.89E-05	7.57E-05	3.64E-05	3.83E-05	7.47E-05
5193	492863.09, 3864877.25	0.00097	0.00105	1.52E-04	1.71E-04	1.43E-04	1.47E-04	1.38E-04	4.02E-05	4.36E-05	8.38E-05	3.93E-05	4.25E-05	8.18E-05	3.87E-05	4.19E-05	8.07E-05
5194	493363.09, 3864877.25	0.00096	0.001	1.50E-04	1.63E-04	1.42E-04	1.45E-04	1.37E-04	3.98E-05	4.15E-05	8.13E-05	3.89E-05	4.05E-05	7.93E-05	3.83E-05	3.99E-05	7.83E-05
5195	493863.09, 3864877.25	0.00126	0.00127	1.97E-04	2.07E-04	1.86E-04	1.90E-04	1.80E-04	5.23E-05	5.27E-05	1.05E-04	5.10E-05	5.14E-05	1.02E-04	5.03E-05	5.07E-05	1.01E-04
5196	494363.09, 3864877.25	0.00146	0.00141	2.29E-04	2.30E-04	2.15E-04	2.21E-04	2.08E-04	6.06E-05	5.85E-05	1.19E-04	5.91E-05	5.71E-05	1.16E-04	5.83E-05	5.63E-05	1.15E-04
5197	494863.09, 3864877.25	0.00153	0.00147	2.40E-04	2.40E-04	2.26E-04	2.31E-04	2.18E-04	6.35E-05	6.10E-05	1.24E-04	6.19E-05	5.95E-05	1.21E-04	6.11E-05	5.87E-05	1.20E-04
5198	495363.09, 3864877.25	0.00157	0.00156	2.46E-04	2.55E-04	2.32E-04	2.37E-04	2.24E-04	6.51E-05	6.47E-05	1.30E-04	6.36E-05	6.32E-05	1.27E-04	6.27E-05	6.23E-05	1.25E-04
5199	495863.09, 3864877.25	0.00167	0.00168	2.62E-04	2.74E-04	2.46E-04	2.52E-04	2.38E-04	6.93E-05	6.97E-05	1.39E-04	6.76E-05	6.80E-05	1.36E-04	6.67E-05	6.71E-05	1.34E-04
5200	496363.09, 3864877.25	0.00158	0.0016	2.48E-04	2.61E-04	2.33E-04	2.39E-04	2.25E-04	6.56E-05	6.64E-05	1.32E-04	6.40E-05	6.48E-05	1.29E-04	6.31E-05	6.39E-05	1.27E-04
5201	496863.09, 3864877.25	0.00162	0.0016	2.54E-04	2.61E-04	2.39E-04	2.45E-04	2.31E-04	6.72E-05	6.64E-05	1.34E-04	6.56E-05	6.48E-05	1.30E-04	6.47E-05	6.39E-05	1.29E-04
5202	497363.09, 3864877.25	0.00168	0.00164	2.63E-04	2.68E-04	2.48E-04	2.54E-04	2.40E-04	6.97E-05	6.80E-05	1.38E-04	6.80E-05	6.64E-05	1.34E-04	6.71E-05	6.55E-05	1.33E-04
5203	497863.09, 3864877.25	0.00175	0.0017	2.74E-04	2.77E-04	2.58E-04	2.65E-04	2.50E-04	7.26E-05	7.05E-05	1.43E-04	7.08E-05	6.88E-05	1.40E-04	6.99E-05	6.79E-05	1.38E-04
5204	498363.09, 3864877.25	0.00189	0.00185	2.96E-04	3.02E-04	2.79E-04	2.86E-04	2.69E-04	7.84E-05	7.68E-05	1.55E-04	7.65E-05	7.49E-05	1.51E-04	7.55E-05	7.39E-05	1.49E-04
5205	471363.09, 3865377.25	0.00085	0.00083	1.33E-04	1.35E-04	1.25E-04	1.28E-04	1.21E-04	3.53E-05	3.44E-05	6.97E-05	3.44E-05	3.36E-05	6.80E-05	3.40E-05	3.32E-05	6.71E-05
5206	471863.09, 3865377.25	0.00086	0.00084	1.35E-04	1.37E-04	1.27E-04	1.30E-04	1.23E-04	3.57E-05	3.48E-05	7.05E-05	3.48E-05	3.40E-05	6.88E-05	3.44E-05	3.36E-05	6.79E-05
5207	472363.09, 3865377.25	0.00087	0.00085	1.36E-04	1.39E-04	1.28E-04	1.32E-04	1.24E-04	3.61E-05	3.53E-05	7.14E-05	3.52E-05	3.44E-05	6.96E-05	3.48E-05	3.40E-05	6.87E-05
5208	472863.09, 3865377.25	0.00089	0.00087	1.39E-04	1.42E-04	1.31E-04	1.35E-04	1.27E-04	3.69E-05	3.61E-05	7.30E-05	3.60E-05	3.52E-05	7.13E-05	3.56E-05	3.48E-05	7.03E-05
5209	473363.09, 3865377.25	0.0009	0.00088	1.41E-04	1.44E-04	1.33E-04	1.36E-04	1.28E-04	3.73E-05	3.65E-05	7.38E-05	3.64E-05	3.56E-05	7.21E-05	3.60E-05	3.52E-05	7.11E-05
5210	473863.09, 3865377.25	0.00091	0.00089	1.43E-04	1.45E-04	1.34E-04	1.38E-04	1.30E-04	3.78E-05	3.69E-05	7.47E-05	3.68E-05	3.60E-05	7.29E-05	3.64E-05	3.56E-05	7.19E-05
5211	474363.09, 3865377.25	0.00093	0.0009	1.46E-04	1.47E-04	1.37E-04	1.41E-04	1.33E-04	3.86E-05	3.73E-05	7.59E-05	3.77E-05	3.64E-05	7.41E-05	3.72E-05	3.60E-05	7.31E-05
5212	474863.09, 3865377.25	0.00094	0.00091	1.47E-04	1.49E-04	1.39E-04	1.42E-04	1.34E-04	3.90E-05	3.78E-05	7.68E-05	3.81E-05	3.68E-05	7.49E-05	3.76E-05	3.64E-05	7.39E-05
5213	475363.09, 3865377.25	0.00096	0.00093	1.50E-04	1.52E-04	1.42E-04	1.45E-04	1.37E-04	3.98E-05	3.86E-05	7.84E-05	3.89E-05	3.77E-05	7.65E-05	3.83E-05	3.72E-05	7.55E-05
5214	475863.09, 3865377.25	0.00097	0.00094	1.52E-04	1.53E-04	1.43E-04	1.47E-04	1.38E-04	4.02E-05	3.90E-05	7.92E-05	3.93E-05	3.81E-05	7.73E-05	3.87E-05	3.76E-05	7.63E-05
5215	476363.09, 3865377.25	0.00099	0.00096	1.55E-04	1.57E-04	1.46E-04	1.50E-04	1.41E-04	4.11E-05	3.98E-05	8.09E-05	4.01E-05	3.89E-05	7.89E-05	3.95E-05	3.83E-05	7.79E-05
5216	476863.09, 3865377.25	0.00096	0.00095	1.50E-04	1.55E-04	1.42E-04	1.45E-04	1.37E-04	3.98E-05	3.94E-05	7.92E-05	3.89E-05	3.85E-05	7.73E-05	3.83E-05	3.79E-05	7.63E-05

5217	477363.09, 3865377.25	0.00102	0.00099	1.60E-04	1.62E-04	1.51E-04	1.54E-04	1.45E-04	4.23E-05	4.11E-05	8.34E-05	4.13E-05	4.01E-05	8.14E-05	4.07E-05	3.95E-05	8.03E-05
5218	477863.09, 3865377.25	0.00104	0.00101	1.63E-04	1.65E-04	1.53E-04	1.57E-04	1.48E-04	4.31E-05	4.19E-05	8.51E-05	4.21E-05	4.09E-05	8.30E-05	4.15E-05	4.03E-05	8.19E-05
5219	478363.09, 3865377.25	0.00105	0.00102	1.64E-04	1.66E-04	1.55E-04	1.59E-04	1.50E-04	4.36E-05	4.23E-05	8.59E-05	4.25E-05	4.13E-05	8.38E-05	4.19E-05	4.07E-05	8.27E-05
5220	478863.09, 3865377.25	0.00107	0.00104	1.68E-04	1.70E-04	1.58E-04	1.62E-04	1.53E-04	4.44E-05	4.31E-05	8.75E-05	4.33E-05	4.21E-05	8.54E-05	4.27E-05	4.15E-05	8.43E-05
5221	479363.09, 3865377.25	0.00108	0.00106	1.69E-04	1.73E-04	1.59E-04	1.63E-04	1.54E-04	4.48E-05	4.40E-05	8.88E-05	4.37E-05	4.29E-05	8.66E-05	4.31E-05	4.23E-05	8.55E-05
5222	479863.09, 3865377.25	0.0011	0.00107	1.72E-04	1.75E-04	1.62E-04	1.66E-04	1.57E-04	4.56E-05	4.44E-05	9.00E-05	4.45E-05	4.33E-05	8.79E-05	4.39E-05	4.27E-05	8.67E-05
5223	480363.09, 3865377.25	0.00112	0.00109	1.75E-04	1.78E-04	1.65E-04	1.69E-04	1.60E-04	4.65E-05	4.52E-05	9.17E-05	4.53E-05	4.41E-05	8.95E-05	4.47E-05	4.35E-05	8.83E-05
5224	480863.09, 3865377.25	0.00114	0.00111	1.79E-04	1.81E-04	1.68E-04	1.72E-04	1.63E-04	4.73E-05	4.61E-05	9.33E-05	4.62E-05	4.49E-05	9.11E-05	4.55E-05	4.43E-05	8.99E-05
5225	481363.09, 3865377.25	0.00117	0.00113	1.83E-04	1.84E-04	1.73E-04	1.77E-04	1.67E-04	4.85E-05	4.69E-05	9.54E-05	4.74E-05	4.57E-05	9.31E-05	4.67E-05	4.51E-05	9.19E-05
5226	481863.09, 3865377.25	0.00119	0.00115	1.86E-04	1.88E-04	1.76E-04	1.80E-04	1.70E-04	4.94E-05	4.77E-05	9.71E-05	4.82E-05	4.66E-05	9.47E-05	4.75E-05	4.59E-05	9.35E-05
5227	482363.09, 3865377.25	0.0012	0.00117	1.88E-04	1.91E-04	1.77E-04	1.81E-04	1.71E-04	4.98E-05	4.85E-05	9.83E-05	4.86E-05	4.74E-05	9.59E-05	4.79E-05	4.67E-05	9.47E-05
5228	482863.09, 3865377.25	0.00122	0.00119	1.91E-04	1.94E-04	1.80E-04	1.84E-04	1.74E-04	5.06E-05	4.94E-05	1.00E-04	4.94E-05	4.82E-05	9.76E-05	4.87E-05	4.75E-05	9.63E-05
5229	483363.09, 3865377.25	0.00124	0.00121	1.94E-04	1.98E-04	1.83E-04	1.87E-04	1.77E-04	5.14E-05	5.02E-05	1.02E-04	5.02E-05	4.90E-05	9.92E-05	4.95E-05	4.83E-05	9.79E-05
5230	483863.09, 3865377.25	0.00126	0.00123	1.97E-04	2.01E-04	1.86E-04	1.90E-04	1.80E-04	5.23E-05	5.10E-05	1.03E-04	5.10E-05	4.98E-05	1.01E-04	5.03E-05	4.91E-05	9.95E-05
5231	484363.09, 3865377.25	0.00127	0.00125	1.99E-04	2.04E-04	1.87E-04	1.92E-04	1.81E-04	5.27E-05	5.19E-05	1.05E-04	5.14E-05	5.06E-05	1.02E-04	5.07E-05	4.99E-05	1.01E-04
5232	484863.09, 3865377.25	0.0013	0.00128	2.04E-04	2.09E-04	1.92E-04	1.97E-04	1.85E-04	5.39E-05	5.31E-05	1.07E-04	5.26E-05	5.18E-05	1.04E-04	5.19E-05	5.11E-05	1.03E-04
5233	485363.09, 3865377.25	0.00132	0.0013	2.07E-04	2.12E-04	1.95E-04	2.00E-04	1.88E-04	5.48E-05	5.39E-05	1.09E-04	5.34E-05	5.26E-05	1.06E-04	5.27E-05	5.19E-05	1.05E-04
5234	485863.09, 3865377.25	0.00135	0.00133	2.11E-04	2.17E-04	1.99E-04	2.04E-04	1.92E-04	5.60E-05	5.52E-05	1.11E-04	5.47E-05	5.38E-05	1.08E-04	5.39E-05	5.31E-05	1.07E-04
5235	486363.09, 3865377.25	0.00136	0.00135	2.13E-04	2.20E-04	2.01E-04	2.06E-04	1.94E-04	5.64E-05	5.60E-05	1.12E-04	5.51E-05	5.47E-05	1.10E-04	5.43E-05	5.39E-05	1.08E-04
5236	486863.09, 3865377.25	0.00138	0.00136	2.16E-04	2.22E-04	2.04E-04	2.09E-04	1.97E-04	5.73E-05	5.64E-05	1.14E-04	5.59E-05	5.51E-05	1.11E-04	5.51E-05	5.43E-05	1.09E-04
5237	487363.09, 3865377.25	0.0014	0.00138	2.19E-04	2.25E-04	2.07E-04	2.12E-04	2.00E-04	5.81E-05	5.73E-05	1.15E-04	5.67E-05	5.59E-05	1.13E-04	5.59E-05	5.51E-05	1.11E-04
5238	487863.09, 3865377.25	0.00142	0.00141	2.22E-04	2.30E-04	2.10E-04	2.15E-04	2.02E-04	5.89E-05	5.85E-05	1.17E-04	5.75E-05	5.71E-05	1.15E-04	5.67E-05	5.63E-05	1.13E-04
5239	488363.09, 3865377.25	0.00145	0.00143	2.27E-04	2.33E-04	2.14E-04	2.19E-04	2.07E-04	6.02E-05	5.93E-05	1.19E-04	5.87E-05	5.79E-05	1.17E-04	5.79E-05	5.71E-05	1.15E-04
5240	488863.09, 3865377.25	0.0015	0.00146	2.35E-04	2.38E-04	2.21E-04	2.27E-04	2.14E-04	6.22E-05	6.06E-05	1.23E-04	6.07E-05	5.91E-05	1.20E-04	5.99E-05	5.83E-05	1.18E-04
5241	489363.09, 3865377.25	0.00154	0.0015	2.41E-04	2.45E-04	2.27E-04	2.33E-04	2.20E-04	6.39E-05	6.22E-05	1.26E-04	6.23E-05	6.07E-05	1.23E-04	6.15E-05	5.99E-05	1.21E-04
5242	489863.09, 3865377.25	0.00157	0.00152	2.46E-04	2.48E-04	2.32E-04	2.37E-04	2.24E-04	6.51E-05	6.31E-05	1.28E-04	6.36E-05	6.15E-05	1.25E-04	6.27E-05	6.07E-05	1.23E-04
5243	490363.09, 3865377.25	0.00141	0.00137	2.21E-04	2.24E-04	2.08E-04	2.13E-04	2.01E-04	5.85E-05	5.68E-05	1.15E-04	5.71E-05	5.55E-05	1.13E-04	5.63E-05	5.47E-05	1.11E-04
5244	490863.09, 3865377.25	0.00137	0.00131	2.15E-04	2.14E-04	2.02E-04	2.07E-04	1.95E-04	5.68E-05	5.43E-05	1.11E-04	5.55E-05	5.30E-05	1.08E-04	5.47E-05	5.23E-05	1.07E-04
5245	491363.09, 3865377.25	0.00134	0.00129	2.10E-04	2.11E-04	1.98E-04	2.03E-04	1.91E-04	5.56E-05	5.35E-05	1.09E-04	5.42E-05	5.22E-05	1.06E-04	5.35E-05	5.15E-05	1.05E-04
5246	491863.09, 3865377.25	0.00134	0.00132	2.10E-04	2.15E-04	1.98E-04	2.03E-04	1.91E-04	5.56E-05	5.48E-05	1.10E-04	5.42E-05	5.34E-05	1.08E-04	5.35E-05	5.27E-05	1.06E-04
5247	492363.09, 3865377.25	0.00113	0.00116	1.77E-04	1.89E-04	1.67E-04	1.71E-04	1.61E-04	4.69E-05	4.81E-05	9.50E-05	4.57E-05	4.70E-05	9.27E-05	4.51E-05	4.63E-05	9.15E-05
5248	492863.09, 3865377.25	0.00095	0.00102	1.49E-04	1.66E-04	1.40E-04	1.44E-04	1.35E-04	3.94E-05	4.23E-05	8.17E-05	3.85E-05	4.13E-05	7.98E-05	3.79E-05	4.07E-05	7.87E-05
5249	493363.09, 3865377.25	0.00087	0.00093	1.36E-04	1.52E-04	1.28E-04	1.32E-04	1.24E-04	3.61E-05	3.86E-05	7.47E-05	3.52E-05	3.77E-05	7.29E-05	3.48E-05	3.72E-05	7.19E-05
5250	493863.09, 3865377.25	0.00098	0.00103	1.54E-04	1.68E-04	1.45E-04	1.48E-04	1.40E-04	4.07E-05	4.27E-05	8.34E-05	3.97E-05	4.17E-05	8.14E-05	3.91E-05	4.11E-05	8.03E-05
5251	494363.09, 3865377.25	0.00113	0.00114	1.77E-04	1.86E-04	1.67E-04	1.71E-04	1.61E-04	4.69E-05	4.73E-05	9.42E-05	4.57E-05	4.62E-05	9.19E-05	4.51E-05	4.55E-05	9.07E-05
5252	494863.09, 3865377.25	0.00125	0.00121	1.96E-04	1.98E-04	1.84E-04	1.89E-04	1.78E-04	5.19E-05	5.02E-05	1.02E-04	5.06E-05	4.90E-05	9.96E-05	4.99E-05	4.83E-05	9.83E-05
5253	495363.09, 3865377.25	0.00131	0.00125	2.05E-04	2.04E-04	1.93E-04	1.98E-04	1.87E-04	5.43E-05	5.19E-05	1.06E-04	5.30E-05	5.06E-05	1.04E-04	5.23E-05	4.99E-05	1.02E-04
5254	495863.09, 3865377.25	0.00139	0.00138	2.18E-04	2.25E-04	2.05E-04	2.10E-04	1.98E-04	5.77E-05	5.73E-05	1.15E-04	5.63E-05	5.59E-05	1.12E-04	5.55E-05	5.51E-05	1.11E-04
5255	496363.09, 3865377.25	0.00129	0.00132	2.02E-04	2.15E-04	1.90E-04	1.95E-04	1.84E-04	5.35E-05	5.48E-05	1.08E-04	5.22E-05	5.34E-05	1.06E-04	5.15E-05	5.27E-05	1.04E-04
5256	496863.09, 3865377.25	0.00125	0.00129	1.96E-04	2.11E-04	1.84E-04	1.89E-04	1.78E-04	5.19E-05	5.35E-05	1.05E-04	5.06E-05	5.22E-05	1.03E-04	4.99E-05	5.15E-05	1.01E-04
5257	497363.09, 3865377.25	0.00138	0.00137	2.16E-04	2.24E-04	2.04E-04	2.09E-04	1.97E-04	5.73E-05	5.68E-05	1.14E-04	5.59E-05	5.55E-05	1.11E-04	5.51E-05	5.47E-05	1.10E-04
5258	497863.09, 3865377.25	0.00142	0.00138	2.22E-04	2.25E-04	2.10E-04	2.15E-04	2.02E-04	5.89E-05	5.73E-05	1.16E-04	5.75E-05	5.59E-05	1.13E-04	5.67E-05	5.51E-05	1.12E-04
5259	498363.09, 3865377.25	0.00139	0.00135	2.18E-04	2.20E-04	2.05E-04	2.10E-04	1.98E-04	5.77E-05	5.60E-05	1.14E-04	5.63E-05	5.47E-05	1.11E-04	5.55E-05	5.39E-05	1.09E-04
5260	471363.09, 3865877.25	0.00082	0.0008	1.28E-04	1.31E-04	1.21E-04	1.24E-04	1.17E-04	3.40E-05	3.32E-05	6.72E-05	3.32E-05	3.24E-05	6.56E-05	3.28E-05	3.20E-05	6.47E-05
5261	471863.09, 3865877.25	0.00084	0.00082	1.32E-04	1.34E-04	1.24E-04	1.27E-04	1.20E-04	3.48E-05	3.40E-05	6.89E-05	3.40E-05	3.32E-05	6.72E-05	3.36E-05	3.28E-05	6.63E-05
5262	472363.09, 3865877.25	0.00085	0.00083	1.33E-04	1.35E-04	1.25E-04	1.28E-04	1.21E-04	3.53E-05	3.44E-05	6.97E-05	3.44E-05	3.36E-05	6.80E-05	3.40E-05	3.32E-05	6.71E-05
5263	472863.09, 3865877.25	0.00086	0.00084	1.35E-04	1.37E-04	1.27E-04	1.30E-04	1.23E-04	3.57E-05	3.48E-05	7.05E-05	3.48E-05	3.40E-05	6.88E-05	3.44E-05	3.36E-05	6.79E-05
5264	473363.09, 3865877.25	0.00087	0.00085	1.36E-04	1.39E-04	1.28E-04	1.32E-04	1.24E-04	3.61E-05	3.53E-05	7.14E-05	3.52E-05	3.44E-05	6.96E-05	3.48E-05	3.40E-05	6.87E-05
5265	473863.09, 3865877.25	0.00089	0.00086	1.39E-04	1.40E-04	1.31E-04	1.35E-04	1.27E-04	3.69E-05	3.57E-05	7.26E-05	3.60E-05	3.48E-05	7.08E-05	3.56E-05	3.44E-05	6.99E-05
5266	474363.09, 3865877.25	0.0009	0.00088	1.41E-04	1.44E-04	1.33E-04	1.36E-04	1.28E-04	3.73E-05	3.65E-05	7.38E-05	3.64E-05	3.56E-05	7.21E-05	3.60E-05	3.52E-05	7.11E-05
5267	474863.09, 3865877.25	0.00092	0.00089	1.44E-04	1.45E-04	1.36E-04	1.39E-04	1.31E-04	3.82E-05	3.69E-05	7.51E-05	3.72E-05	3.60E-05	7.33E-05	3.68E-05	3.56E-05	7.23E-05
5268	475363.09, 3865877.25	0.00093	0.0009	1.46E-04	1.47E-04	1.37E-04	1.41E-04	1.33E-04	3.86E-05	3.73E-05	7.59E-05	3.77E-05	3.64E-05	7.41E-05	3.72E-05	3.60E-05	7.31E-05
5269	475863.09, 3865877.25	0.00095	0.00092	1.49E-04	1.50E-04	1.40E-04	1.44E-04	1.35E-04	3.94E-05	3.82E-05	7.76E-05	3.85E-05	3.72E-05	7.57E-05	3.79E-05	3.68E-05	7.47E-05
5270	476363.09, 3865877.25	0.00095	0.00093	1.49E-04	1.52E-04	1.40E-04	1.44E-04	1.35E-04	3.94E-05	3.86E-05	7.80E-05	3.85E-05	3.77E-05	7.61E-05	3.79E-05	3.72E-05	7.51E-05
5271	476863.09, 3865877.25	0.00093	0.00092	1.46E-04	1.50E-04	1.37E-04	1.41E-04	1.33E-04	3.86E-05	3.82E-05	7.68E-05	3.77E-05	3.72E-05	7.49E-05	3.72E-05	3.68E-05	7.39E-05
5272	477363.09, 3865877.25	0.00099	0.00096	1.55E-04	1.57E-04	1.46E-04	1.50E-04	1.41E-04	4.11E-05	3.98E-05	8.09E-05	4.01E-05	3.89E-05	7.89E-05	3.95E-05	3.83E-05	7.79E-05
5273	477863.09, 3865877.25	0.001	0.00098	1.57E-04	1.60E-04	1.48E-04	1.51E-04	1.43E-04	4.15E-05	4.07E-05	8.21E-05	4.05E-05	3.97E-05	8.02E-05	3.99E-05	3.91E-05	7.91E-05
5274	478363.09, 3865877.25	0.00101	0.00099	1.58E-04	1.62E-04	1.49E-04	1.53E-04	1.44E-04	4.19E-05	4.11E-05	8.30E-05	4.09E-05	4.01E-05	8.10E-05	4.03E-05	3.95E-05	7.99E-05
5275	478863.09, 3865877.25	0.00102	0.001	1.60E-04	1.63E-04	1.51E-04	1.54E-04	1.45E-04	4.23E-05	4.15E-05	8.38E-05	4.13E-05	4.05E-05	8.18E-05	4.07E-05	3.99E-05	8.07E-05
5276	479363.09, 3865877.25	0.00103	0.00101	1.61E-04	1.65E-04	1.52E-04	1.56E-04	1.47E-04	4.27E-05	4.19E-05	8.46E-05	4.17E-05	4.09E-05	8.26E-05	4.11E-05	4.03E-05	8.15E-05
5277	479863.09, 3865877.25	0.00104	0.00102	1.63E-04	1.66E-04	1.53E-04	1.57E-04	1.48E-04	4.31E-05	4.23E-05	8.55E-05	4.21E-05	4.13E-05	8.34E-05	4.15E-05	4.07E-05	8.23E-05
5278	480363.09, 3865877.25	0.00106	0.00103	1.66E-04	1.68E-04	1.56E-04	1.60E-04	1.51E-04	4.40E-05	4.27E-05	8.67E-05	4.29E-05	4.17E-05	8.46E-05	4.23E-05	4.11E-05	8.35E-05
5279	480863.09, 3865877.25	0.00107	0.00105	1.68E-04	1.71E-04	1.58E-04	1.62E-04	1.53E-04	4.44E-05	4.36E-05	8.80E-05	4.33E-05	4.25E-05	8.58E-05	4.27E-05	4.19E-05	8.47E-05
5280	481363.09, 3865877.25	0.0011	0.00107	1.72E-04	1.75E-04	1.62E-04	1.66E-04	1.57E-04	4.56E-05	4.44E-05	9.00E-05	4.45E-05	4.33E-05	8.79E-05	4.39E-05	4.27E-05	8.67E-05
5281	481863.09, 3865877.25	0.00111	0.00108	1.74E-04	1.76E-04	1.64E-04	1.68E-04	1.58E-04	4.61E-05	4.48E-05	9.09E-05	4.49E-05	4.37E-05	8.87E-05	4.43E-05	4.31E-05	8.75E-05
5282	482363.09, 3865877.25	0.00112	0.0011	1.75E-04	1.80E-04	1.65E-04	1.69E-04	1.60E-04	4.65E-05	4.56E-05	9.21E-05	4.53E-05	4.45E-05	8.99E-05	4.47E-05	4.39E-05	8.87E-05
5283	482863.09, 3865877.25	0.00114	0.00111	1.79E-04	1.81E-04	1.68E-04	1.72E-04	1.63E-04	4.73E-05	4.61E-05	9.33E-05	4.62E-05	4.49E-05	9.11E-05	4.55E-05	4.43E-05	8.99E-05
5284	483363.09, 3865877.25	0.00116	0.00113	1.82E-04	1.84E-04	1.71E-04	1.75E-04	1.65E-04	4.81E-05	4.69E-05	9.50E-05	4.70E-05	4.57E-05	9.27E-05	4.63E-05	4.51E-05	9.15E-05
5285	483863.09, 3865877.25	0.00117	0.00115	1.83E-04	1.88E-04	1.73E-04	1.77E-04	1.67E-04	4.85E-05	4.77E-05	9.63E-05	4.74E-05	4.66E-05	9.39E-05	4.67E-05	4.59E-05	9.27E-05
5286	484363.09, 3865877.25	0.00119	0.00117	1.86E-04	1.91E-04	1.76E-04	1.80E-04	1.70E-04	4.94E-05	4.85E-05	9.79E-05	4.82E-05	4.74E-05	9.55E-05	4.75E-05	4.67E-05	9.43E-05
5287	484863.09, 3865877.25	0.00121	0.00119	1.90E-04	1.94E-04	1.79E-04	1.83E-04	1.73E-04	5.02E-05	4.94E-05	9.96E-05	4.90E-05	4.82E-05	9.72E-05	4.83E-05	4.75E-05	9.59E-05
5288	485363.09, 3865877.25	0.00122	0.00121	1.91E-04	1.98E-04	1.80E-04	1.84E-04	1.74E-04	5.06E-05	5.02E-05	1.01E-04	4.94E-05	4.90E-05	9.84E-05	4.87E-05	4.83E-05	9.71E-05
5289	485863.09, 3865877.25	0.00124	0.00122	1.94E-04	1.99E-04	1.83E-04	1.87E-04	1.77E-04	5.14E-05	5.06E-05	1.02E-04	5.02E-05	4.94E-05	9.96E-05	4.95E-05	4.87E-05	9.83E-05
5290	486363.09, 3865877.25	0.00125	0.00123	1.96E-04	2.01E-04	1.84E-04	1.89E-04	1.78E-04	5.19E-05	5.10E-05	1.03E-04	5.06E-05	4.98E-05	1.00E-04	4.99E-05	4.91E-05	9.91E-05
5291	486863.09, 3865877.25	0.00126	0.00125	1.97E-04	2.04E-04	1.86E-04	1.90E-04	1.80E-04	5.23E-05	5.19E-05	1.04E-04	5.10E-05	5.06E-05	1.02E-04	5.03E-05	4.99E-05	1.00E-04
5292	487363.09, 3865877.25	0.00128	0.00127	2.01E-04	2.07E-04	1.89E-04	1.93E-04	1.83E-04	5.31E-05	5.27E-05	1.06E-04	5.18E-05	5.14E-05	1.03E-04	5.11E-05	5.07E-05	1.02E-04
5293	487863.09, 3865877.25	0.00131	0.0013	2.05E-04	2.12E-04	1.93E-04	1.98E-04	1.87E-04	5.43E-05	5.39E-05	1.08E-04	5.30E-05	5.26E-05	1.06E-04	5.23E-05	5.19E-05	1.04E-04
5294	488363.09, 3865877.25	0.00134	0.00133	2.10E-04	2.17E-04	1.98E-04	2.03E-04	1.91E-04	5.56E-05	5.52E-05	1.11E-04	5.42E-05	5.38E-05	1.08E-04	5.35E-05	5.31E-05	1.07E-04
5295	488863.09, 3865877.25	0.00138	0.00135	2.16E-04	2.20E-04	2.04E-04	2.09E-04	1.97E-04	5.73E-05	5.60E-05	1.13E-04	5.59E-05	5.47E-05	1.11E-04	5.51E-05	5.39E-05	1.09E-04
5296	489363.09, 3865877.25	0.00141	0.00137	2.21E-04	2.24E-04	2.08E-04	2.13E-04	2.01E-04	5.85E-05	5.68E-05	1.15E-04	5.71E-05	5.55E-05	1.13E-04	5.63E-05	5.47E-05	1.11E-04
5297	489863.09, 3865877.25	0.00142	0.00138	2.22E-04	2.25E-04	2.10E-04	2.15E-04	2.02E-04	5.89E-05	5.73E-05	1.16E-04	5.75E-05	5.59E-05	1.13E-04	5.67E-05	5.51E-05	1.12E-04
5298	490363.09, 3865877.25	0.00137	0.00133	2.15E-04	2.17E-04	2.02E-04	2.07E-04	1.95E-04	5.68E-05	5.52E-05	1.12E-04	5.55E-05	5.38E-05	1.09E-04	5.47E-05	5.31E-05	1.08E-04
5299	490863.09, 3865877.25	0.00128	0.00123	2.01E-04	2.01E-04	1.89E-04	1.93E-04	1.83E-04	5.31E-05	5.10E-05	1.04E-04	5.18E-05	4.98E-05	1.02E-04	5.11E-05	4.91E-05	1.00E-04
5300	491363.09, 3865877.25	0.00119	0.00115	1.86E-04	1.88E-04	1.76E-04	1.80E-04	1.70E-04	4.94E-05	4.77E-05	9.71E-05	4.82E-05	4.66E-05	9.47E-05	4.75E-05	4.59E-05	9.35E-05
5301	491863.09, 3865877.25	0.00119	0.00116	1.86E-04	1.89E-04	1.76E-04	1.80E-04	1.70E-04	4.94E-05	4.81E-05	9.75E-05	4.82E-05	4.70E-05	9.51E-05	4.75E-05	4.63E-05	9.39E-05
5302	492363.09, 3865877.25	0.00112	0.00113	1.75E-04	1.84E-04	1.65E-04	1.69E-04	1.60E-04	4.65E-05	4.69E-05	9.33E-05	4.53E-05	4.57E-05	9.11E-05	4.47E-05	4.51E-05	8.99E-05
5303	492863.09, 3865877.25	0.00092	0.00097	1.44E-04	1.58E-04	1.36E-04	1.39E-04	1.31E-04	3.82E-05	4.02E-05	7.84E-05	3.72E-05	3.93E-05	7.65E-05	3.68E-05	3.87E-05	7.55E-05
5304	493363.09, 3865877.25	0.00088	0.00094	1.38E-04	1.53E-04	1.30E-04	1.33E-04	1.25E-04	3.65E-05	3.90E-05	7.55E-05	3.56E-05	3.81E-05	7.37E-05	3.52E-05	3.76E-05	7.27E-05
5305	493863.09, 3865877.25	0.00092	0.00098	1.44E-04	1.60E-04	1.36E-04	1.39E-04	1.31E-04	3.82E-05	4.07E-05	7.88E-05	3.72E-05	3.97E-05	7.69E-05	3.68E-05	3.91E-05	7.59E-05
5306	494363.09, 3865877.25	0.00099	0.00104	1.55E-04	1.70E-04	1.46E-04	1.50E-04	1.41E-04	4.11E-05	4.31E-05	8.42E-05	4.01E-05	4.21E-05	8.22E-05	3.95E-05	4.15E-05	8.11E-05
5307	494863.09, 3865877.25	0.00113	0.00114	1.77E-04	1.86E-04	1.67E-04	1.71E-04	1.61E-04	4.69E-05	4.73E-05	9.42E-05	4.57E-05	4.62E-05	9.19E-05	4.51E-05	4.55E-05	9.07E-05
5308	495363.09, 3865877.25	0.00117	0.00113	1.83E-04	1.84E-04	1.73E-04	1.77E-04	1.67E-04	4.85E-05	4.69E-05	9.54E-05	4.74E-05	4.57E-05	9.31E-05	4.67E-05	4.51E-05	9.19E-05
5309	495863.09, 3865877.25	0.00117	0.00112	1.83E-04	1.83E-04	1.73E-04	1.77E-04	1.67E-04	4.85E-05	4.65E-05	9.50E-05	4.74E-05	4.53E-05	9.27E-05	4.67E-05	4.47E-05	9.15E-05
5310	496363.09, 3865877.25	0.00112	0.00111	1.75E-04	1.81E-04	1.65E-04	1.69E-04	1.60E-04	4.65E-05	4.61E-05	9.25E-05	4.53E-05	4.49E-05	9.03E-05	4.47E-05	4.43E-05	8.91E-05
5311	496863.09, 3865877.25	0.00106	0.0011	1.66E-04	1.80E-04	1.56E-04	1.60E-04	1.51E-04	4.40E-05	4.56E-05	8.96E-05	4.29E-05	4.45E-05	8.74E-05	4.23E-05	4.39E-05	8.63E-05
5312	497363.09, 3865877.25	0.00109	0.00113	1.71E-04	1.84E-04	1.61E-04	1.65E-04	1.55E-04	4.52E-05	4.69E-05	9.21E-05	4.41E-05	4.57E-05	8.99E-05	4.35E-05	4.51E-05	8.87E-05
5313	497863.09, 3865877.25	0.00114	0.00116	1.79E-04	1.89E-04	1.68E-04	1.72E-04	1.63E-04	4.73E-05	4.81E-05	9.54E-05	4.62E-05	4.70E-05	9.31E-05	4.55E-05	4.63E-05	9.19E-05
5314	498363.09, 3865877.25	0.00107	0.00105	1.68E-04	1.71E-04	1.58E-04	1.62E-04	1.53E-04	4.44E-05	4.36E-05	8.80E-05	4.33E-05	4.25E-05	8.58E-05	4.27E-05	4.19E-05	8.47E-05
5315	471363.09, 3866377.25	0.0008	0.00079	1.25E-04	1.29E-04	1.18E-04	1.21E-04	1.14E-04	3.32E-05	3.28E-05	6.60E-05	3.24E-05	3.20E-05	6.44E-05	3.20E-05	3.16E-05	6.35E-05
5316	471863.09, 3866377.25	0.00081	0.0008	1.27E-04	1.31E-04	1.20E-04	1.22E-04	1.15E-04	3.36E-05	3.32E-05	6.68E-05	3.28E-05	3.24E-05	6.52E-05	3.24E-05	3.20E-05	6.43E-05
5317	472363.09, 3866377.25	0.00083	0.00081	1.30E-04	1.32E-04	1.22E-04	1.25E-04	1.18E-04	3.44E-05	3.36E-05	6.80E-05	3.36E-05	3.28E-05	6.64E-05	3.32E-05	3.24E-05	6.55E-05
5318	472863.09, 3866377.25	0.00084	0.00082	1.32E-04	1.34E-04	1.24E-04	1.27E-04	1.20E-04	3.48E-05	3.40E-05	6.89E-05	3.40E-05	3.32E-05	6.72E-05	3.36E-05	3.28E-05	6.63E-05
5319	473363.09, 3866377.25	0.00085	0.00083	1.33E-04	1.35E-04	1.25E-04	1.28E-04	1.21E-04	3.53E-05	3.44E-05	6.97E-05	3.44E-05	3.36E-05	6.80E-05	3.40E-05	3.32E-05	6.71E-05
5320	473863.09, 3866377.25	0.00087	0.00084	1.36E-04	1.37E-04	1.28E-04	1.32E-04	1.24E-04	3.61E-05	3.48E-05	7.09E-05	3.52E-05	3.40E-05	6.92E-05	3.48E-05	3.36E-05	6.83E-05
5321	474363.09, 3866377.25	0.00088	0.00086	1.38E-04	1.40E-04	1.30E-04	1.33E-04	1.25E-04	3.65E-05	3.57E-05	7.22E-05	3.56E-05	3.48E-05	7.04E-05	3.52E-05	3.44E-05	6.95E-05
5322	474863.09, 3866377.25	0.00089	0.00087	1.39E-04	1.42E-04	1.31E-04	1.35E-04	1.27E-04	3.69E-05	3.61E-05	7.30E-05	3.60E-05	3.52E-05	7.13E-05	3.56E-05	3.48E-05	7.03E-05
5323	475363.09, 3866377.25	0.0009	0.00088	1.41E-04	1.44E-04	1.33E-04	1.36E-04	1.28E-04	3.73E-05	3.65E-05	7.38E-05	3.64E-05	3.56E-05	7.21E-05	3.60E-05	3.52E-05	7.11E-05
5324	475863.09, 3866377.25	0.00091	0.00089	1.43E-04	1.45E-04	1.34E-04	1.38E-04	1.30E-04	3.78E-05	3.69E-05	7.47E-05	3.68E-05	3.60E-05	7.29E-05	3.64E-05	3.56E-05	7.19E-05
5325	476363.09, 3866377.25	0.00092	0.0009	1.44E-04	1.47E-04	1.36E-04	1.39E-04	1.31E-04	3.82E-05	3.73E-05	7.55E-05	3.72E-05	3.64E-05	7.37E-05	3.68E-05	3.60E-05	7.27E-05
5326	476863.09, 3866377.25	0.00087	0.00087	1.36E-04	1.42E-04	1.28E-04	1.32E-04	1.24E-04	3.61E-05	3.61E-05	7.22E-05	3.52E-05	3.52E-05	7.04E-05	3.48E-05	3.48E-05	6.95E-05
5327	477363.09, 3866377.25	0.00092	0.00091	1.44E-04	1.49E-04	1.36E-04	1.39E-04	1.31E-04	3.82E-05	3.78E-05	7.59E-05	3.72E-05	3.68E-05	7.41E-05	3.68E-05	3.64E-05	7.31E-05
5328	477863.09, 3866377.25	0.00096	0.00093	1.50E-04	1.52E-04	1.42E-04	1.45E-04	1.37E-04	3.98E-05	3.86E-05	7.84E-05	3.89E-05	3.77E-05	7.65E-05	3.83E-05	3.72E-05	7.55E-05
5329	478363.09, 3866377.25	0.00096	0.00094	1.50E-04	1.53E-04	1.42E-04	1.45E-04	1.37E-04	3.98E-05	3.90E-05	7.88E-05	3.89E-05	3.81E-05	7.69E-05	3.83E-05	3.76E-05	7.59E-05
5330	478863.09, 3866377.25	0.00097	0.00095	1.52E-04	1.55E-04	1.43E-04	1.47E-04	1.38E-04	4.02E-05	3.94E-05	7.97E-05	3.93E-05	3.85E-05	7.77E-05	3.87E-05	3.79E-05	7.67E-05
5331	479363.09, 3866377.25	0.00098	0.00096	1.54E-04	1.57E-04	1.45E-04	1.48E-04	1.40E-04	4.07E-05	3.98E-05	8.05E-05	3.97E-05	3.89E-05	7.85E-05	3.91E-05	3.83E-05	7.75E-05
5332	479863.09, 3866377.25	0.00099	0.00097	1.55E-04	1.58E-04	1.46E-04	1.50E-04	1.41E-04	4.11E-05	4.02E-05	8.13E-05	4.01E-05	3.93E-05	7.93E-05	3.95E-05	3.87E-05	7.83E-05

5333	480363.09, 3866377.25	0.001	0.00098	1.57E-04	1.60E-04	1.48E-04	1.51E-04	1.43E-04	4.15E-05	4.07E-05	8.21E-05	4.05E-05	3.97E-05	8.02E-05	3.99E-05	3.91E-05	7.91E-05
5334	480863.09, 3866377.25	0.00102	0.00099	1.60E-04	1.62E-04	1.51E-04	1.54E-04	1.45E-04	4.23E-05	4.11E-05	8.34E-05	4.13E-05	4.01E-05	8.14E-05	4.07E-05	3.95E-05	8.03E-05
5335	481363.09, 3866377.25	0.00104	0.00101	1.63E-04	1.65E-04	1.53E-04	1.57E-04	1.48E-04	4.31E-05	4.19E-05	8.51E-05	4.21E-05	4.09E-05	8.30E-05	4.15E-05	4.03E-05	8.19E-05
5336	481863.09, 3866377.25	0.00105	0.00102	1.64E-04	1.66E-04	1.55E-04	1.59E-04	1.50E-04	4.36E-05	4.23E-05	8.59E-05	4.25E-05	4.13E-05	8.38E-05	4.19E-05	4.07E-05	8.27E-05
5337	482363.09, 3866377.25	0.00106	0.00103	1.66E-04	1.68E-04	1.56E-04	1.60E-04	1.51E-04	4.40E-05	4.27E-05	8.67E-05	4.29E-05	4.17E-05	8.46E-05	4.23E-05	4.11E-05	8.35E-05
5338	482863.09, 3866377.25	0.00107	0.00105	1.68E-04	1.71E-04	1.58E-04	1.62E-04	1.53E-04	4.44E-05	4.36E-05	8.80E-05	4.33E-05	4.25E-05	8.58E-05	4.27E-05	4.19E-05	8.47E-05
5339	483363.09, 3866377.25	0.00108	0.00106	1.69E-04	1.73E-04	1.59E-04	1.63E-04	1.54E-04	4.48E-05	4.40E-05	8.88E-05	4.37E-05	4.29E-05	8.66E-05	4.31E-05	4.23E-05	8.55E-05
5340	483863.09, 3866377.25	0.0011	0.00108	1.72E-04	1.76E-04	1.62E-04	1.66E-04	1.57E-04	4.56E-05	4.48E-05	9.04E-05	4.45E-05	4.37E-05	8.83E-05	4.39E-05	4.31E-05	8.71E-05
5341	484363.09, 3866377.25	0.0011	0.00109	1.72E-04	1.78E-04	1.62E-04	1.66E-04	1.57E-04	4.56E-05	4.52E-05	9.09E-05	4.45E-05	4.41E-05	8.87E-05	4.39E-05	4.35E-05	8.75E-05
5342	484863.09, 3866377.25	0.00112	0.0011	1.75E-04	1.80E-04	1.65E-04	1.69E-04	1.60E-04	4.65E-05	4.56E-05	9.21E-05	4.53E-05	4.45E-05	8.99E-05	4.47E-05	4.39E-05	8.87E-05
5343	485363.09, 3866377.25	0.00113	0.00112	1.77E-04	1.83E-04	1.67E-04	1.71E-04	1.61E-04	4.69E-05	4.65E-05	9.33E-05	4.57E-05	4.53E-05	9.11E-05	4.51E-05	4.47E-05	8.99E-05
5344	485863.09, 3866377.25	0.00115	0.00114	1.80E-04	1.86E-04	1.70E-04	1.74E-04	1.64E-04	4.77E-05	4.73E-05	9.50E-05	4.66E-05	4.62E-05	9.27E-05	4.59E-05	4.55E-05	9.15E-05
5345	486363.09, 3866377.25	0.00117	0.00116	1.83E-04	1.89E-04	1.73E-04	1.77E-04	1.67E-04	4.85E-05	4.81E-05	9.67E-05	4.74E-05	4.70E-05	9.43E-05	4.67E-05	4.63E-05	9.31E-05
5346	486863.09, 3866377.25	0.00119	0.00118	1.86E-04	1.93E-04	1.76E-04	1.80E-04	1.70E-04	4.94E-05	4.90E-05	9.83E-05	4.82E-05	4.78E-05	9.59E-05	4.75E-05	4.71E-05	9.47E-05
5347	487363.09, 3866377.25	0.00121	0.0012	1.90E-04	1.96E-04	1.79E-04	1.83E-04	1.73E-04	5.02E-05	4.98E-05	1.00E-04	4.90E-05	4.86E-05	9.76E-05	4.83E-05	4.79E-05	9.63E-05
5348	487863.09, 3866377.25	0.00121	0.0012	1.90E-04	1.96E-04	1.79E-04	1.83E-04	1.73E-04	5.02E-05	4.98E-05	1.00E-04	4.90E-05	4.86E-05	9.76E-05	4.83E-05	4.79E-05	9.63E-05
5349	488363.09, 3866377.25	0.00123	0.00122	1.93E-04	1.99E-04	1.82E-04	1.86E-04	1.75E-04	5.10E-05	5.06E-05	1.02E-04	4.98E-05	4.94E-05	9.92E-05	4.91E-05	4.87E-05	9.79E-05
5350	488863.09, 3866377.25	0.00119	0.00118	1.86E-04	1.93E-04	1.76E-04	1.80E-04	1.70E-04	4.94E-05	4.90E-05	9.83E-05	4.82E-05	4.78E-05	9.59E-05	4.75E-05	4.71E-05	9.47E-05
5351	489363.09, 3866377.25	0.00116	0.00115	1.82E-04	1.88E-04	1.71E-04	1.75E-04	1.65E-04	4.81E-05	4.77E-05	9.58E-05	4.70E-05	4.66E-05	9.35E-05	4.63E-05	4.59E-05	9.23E-05
5352	489863.09, 3866377.25	0.00111	0.00109	1.74E-04	1.78E-04	1.64E-04	1.68E-04	1.58E-04	4.61E-05	4.52E-05	9.13E-05	4.49E-05	4.41E-05	8.91E-05	4.43E-05	4.35E-05	8.79E-05
5353	490363.09, 3866377.25	0.00125	0.00121	1.96E-04	1.98E-04	1.84E-04	1.89E-04	1.78E-04	5.19E-05	5.02E-05	1.02E-04	5.06E-05	4.90E-05	9.96E-05	4.99E-05	4.83E-05	9.83E-05
5354	490863.09, 3866377.25	0.00128	0.00124	2.01E-04	2.02E-04	1.89E-04	1.93E-04	1.83E-04	5.31E-05	5.14E-05	1.05E-04	5.18E-05	5.02E-05	1.02E-04	5.11E-05	4.95E-05	1.01E-04
5355	491363.09, 3866377.25	0.00123	0.00118	1.93E-04	1.93E-04	1.82E-04	1.86E-04	1.75E-04	5.10E-05	4.90E-05	1.00E-04	4.98E-05	4.78E-05	9.76E-05	4.91E-05	4.71E-05	9.63E-05
5356	491863.09, 3866377.25	0.00102	0.001	1.60E-04	1.63E-04	1.51E-04	1.54E-04	1.45E-04	4.23E-05	4.15E-05	8.38E-05	4.13E-05	4.05E-05	8.18E-05	4.07E-05	3.99E-05	8.07E-05
5357	492363.09, 3866377.25	0.00103	0.00102	1.61E-04	1.66E-04	1.52E-04	1.56E-04	1.47E-04	4.27E-05	4.23E-05	8.51E-05	4.17E-05	4.13E-05	8.30E-05	4.11E-05	4.07E-05	8.19E-05
5358	492863.09, 3866377.25	0.00094	0.00096	1.47E-04	1.57E-04	1.39E-04	1.42E-04	1.34E-04	3.90E-05	3.98E-05	7.88E-05	3.81E-05	3.89E-05	7.69E-05	3.76E-05	3.83E-05	7.59E-05
5359	493363.09, 3866377.25	0.00093	0.00096	1.46E-04	1.57E-04	1.37E-04	1.41E-04	1.33E-04	3.86E-05	3.98E-05	7.84E-05	3.77E-05	3.89E-05	7.65E-05	3.72E-05	3.83E-05	7.55E-05
5360	493863.09, 3866377.25	0.00094	0.00098	1.47E-04	1.60E-04	1.39E-04	1.42E-04	1.34E-04	3.90E-05	4.07E-05	7.97E-05	3.81E-05	3.97E-05	7.77E-05	3.76E-05	3.91E-05	7.67E-05
5361	494363.09, 3866377.25	0.00099	0.00104	1.55E-04	1.70E-04	1.46E-04	1.50E-04	1.41E-04	4.11E-05	4.31E-05	8.42E-05	4.01E-05	4.21E-05	8.22E-05	3.95E-05	4.15E-05	8.11E-05
5362	494863.09, 3866377.25	0.00098	0.00102	1.54E-04	1.66E-04	1.45E-04	1.48E-04	1.40E-04	4.07E-05	4.23E-05	8.30E-05	3.97E-05	4.13E-05	8.10E-05	3.91E-05	4.07E-05	7.99E-05
5363	495363.09, 3866377.25	0.00096	0.00096	1.50E-04	1.57E-04	1.42E-04	1.45E-04	1.37E-04	3.98E-05	3.98E-05	7.97E-05	3.89E-05	3.89E-05	7.77E-05	3.83E-05	3.83E-05	7.67E-05
5364	495863.09, 3866377.25	0.00096	0.00092	1.50E-04	1.50E-04	1.42E-04	1.45E-04	1.37E-04	3.98E-05	3.82E-05	7.80E-05	3.89E-05	3.72E-05	7.61E-05	3.83E-05	3.68E-05	7.51E-05
5365	496363.09, 3866377.25	0.00097	0.00091	1.52E-04	1.49E-04	1.43E-04	1.47E-04	1.38E-04	4.02E-05	3.78E-05	7.80E-05	3.93E-05	3.68E-05	7.61E-05	3.87E-05	3.64E-05	7.51E-05
5366	496863.09, 3866377.25	0.00094	0.00092	1.47E-04	1.50E-04	1.39E-04	1.42E-04	1.34E-04	3.90E-05	3.82E-05	7.72E-05	3.81E-05	3.72E-05	7.53E-05	3.76E-05	3.68E-05	7.43E-05
5367	497363.09, 3866377.25	0.00093	0.00097	1.46E-04	1.58E-04	1.37E-04	1.41E-04	1.33E-04	3.86E-05	4.02E-05	7.88E-05	3.77E-05	3.93E-05	7.69E-05	3.72E-05	3.87E-05	7.59E-05
5368	497863.09, 3866377.25	0.00094	0.00099	1.47E-04	1.62E-04	1.39E-04	1.42E-04	1.34E-04	3.90E-05	4.11E-05	8.01E-05	3.81E-05	4.01E-05	7.81E-05	3.76E-05	3.95E-05	7.71E-05
5369	498363.09, 3866377.25	0.00087	0.00089	1.36E-04	1.45E-04	1.28E-04	1.32E-04	1.24E-04	3.61E-05	3.69E-05	7.30E-05	3.52E-05	3.60E-05	7.13E-05	3.48E-05	3.56E-05	7.03E-05
5370	474494.92, 3848334.16	0.34236	0.34514	5.36E-02	5.63E-02	5.05E-02	5.18E-02	4.88E-02	1.42E-02	1.43E-02	2.85E-02	1.39E-02	1.40E-02	2.78E-02	1.37E-02	1.38E-02	2.75E-02
5371	475167.27, 3848920.79	0.40479	0.40716	6.34E-02	6.65E-02	5.97E-02	6.12E-02	5.77E-02	1.68E-02	1.69E-02	3.37E-02	1.64E-02	1.65E-02	3.29E-02	1.62E-02	1.63E-02	3.24E-02
5372	475297.89, 3848997.96	0.31388	0.31794	4.92E-02	5.19E-02	4.63E-02	4.74E-02	4.48E-02	1.30E-02	1.32E-02	2.62E-02	1.27E-02	1.29E-02	2.56E-02	1.25E-02	1.27E-02	2.52E-02
5373	475439.05, 3849062	0.36494	0.36946	5.72E-02	6.03E-02	5.39E-02	5.52E-02	5.20E-02	1.51E-02	1.53E-02	3.05E-02	1.48E-02	1.50E-02	2.97E-02	1.46E-02	1.48E-02	2.93E-02
5374	475486.86, 3849061.09	0.2694	0.27239	4.22E-02	4.45E-02	3.98E-02	4.07E-02	3.84E-02	1.12E-02	1.13E-02	2.25E-02	1.09E-02	1.10E-02	2.19E-02	1.08E-02	1.09E-02	2.16E-02
5375	475538.46, 3849075.56	0.2734	0.27625	4.28E-02	4.51E-02	4.04E-02	4.13E-02	3.90E-02	1.13E-02	1.15E-02	2.28E-02	1.11E-02	1.12E-02	2.23E-02	1.09E-02	1.10E-02	2.20E-02
5376	475751.79, 3849137.15	0.40124	0.40836	6.29E-02	6.67E-02	5.92E-02	6.07E-02	5.72E-02	1.66E-02	1.69E-02	3.36E-02	1.62E-02	1.65E-02	3.28E-02	1.60E-02	1.63E-02	3.23E-02
5377	476303.62, 3849223.38	0.36593	0.36812	5.73E-02	6.01E-02	5.40E-02	5.53E-02	5.22E-02	1.52E-02	1.53E-02	3.05E-02	1.48E-02	1.49E-02	2.97E-02	1.46E-02	1.47E-02	2.93E-02
5378	476304.51, 3849238.92	0.50774	0.51121	7.95E-02	8.34E-02	7.49E-02	7.68E-02	7.24E-02	2.11E-02	2.12E-02	4.23E-02	2.06E-02	2.07E-02	4.13E-02	2.03E-02	2.04E-02	4.07E-02
5379	476365.04, 3849247.98	0.45273	0.4578	7.09E-02	7.47E-02	6.68E-02	6.84E-02	6.46E-02	1.88E-02	1.90E-02	3.78E-02	1.83E-02	1.85E-02	3.69E-02	1.81E-02	1.83E-02	3.64E-02
5380	476444.86, 3849267.13	0.45396	0.46186	7.11E-02	7.54E-02	6.70E-02	6.86E-02	6.47E-02	1.88E-02	1.92E-02	3.80E-02	1.84E-02	1.87E-02	3.71E-02	1.81E-02	1.84E-02	3.66E-02
5381	476550.75, 3849300.66	0.53983	0.55589	8.46E-02	9.07E-02	7.97E-02	8.16E-02	7.70E-02	2.24E-02	2.31E-02	4.55E-02	2.19E-02	2.25E-02	4.44E-02	2.16E-02	2.22E-02	4.38E-02
5382	476656.71, 3849346.88	0.46667	0.47603	7.31E-02	7.77E-02	6.89E-02	7.05E-02	6.65E-02	1.94E-02	1.97E-02	3.91E-02	1.89E-02	1.93E-02	3.82E-02	1.86E-02	1.90E-02	3.77E-02
5383	476873.55, 3849454.53	0.46689	0.47272	7.31E-02	7.72E-02	6.89E-02	7.06E-02	6.66E-02	1.94E-02	1.96E-02	3.90E-02	1.89E-02	1.91E-02	3.80E-02	1.87E-02	1.89E-02	3.75E-02
5384	477700, 3849859.7	0.46082	0.45599	7.22E-02	7.44E-02	6.80E-02	6.97E-02	6.57E-02	1.91E-02	1.89E-02	3.80E-02	1.87E-02	1.85E-02	3.71E-02	1.84E-02	1.82E-02	3.66E-02
5385	477743.16, 3849856.38	0.32683	0.32387	5.12E-02	5.29E-02	4.82E-02	4.94E-02	4.66E-02	1.36E-02	1.34E-02	2.70E-02	1.32E-02	1.31E-02	2.63E-02	1.31E-02	1.29E-02	2.60E-02
5386	478477.35, 3850216.33	0.34193	0.33226	5.36E-02	5.42E-02	5.05E-02	5.17E-02	4.88E-02	1.42E-02	1.38E-02	2.80E-02	1.38E-02	1.35E-02	2.73E-02	1.37E-02	1.33E-02	2.69E-02
5387	478485.8, 3850201.6	0.26301	0.25709	4.12E-02	4.20E-02	3.88E-02	3.98E-02	3.75E-02	1.09E-02	1.07E-02	2.16E-02	1.06E-02	1.04E-02	2.11E-02	1.05E-02	1.03E-02	2.08E-02
5388	479113.21, 3850501.53	0.24237	0.23515	3.80E-02	3.84E-02	3.58E-02	3.66E-02	3.46E-02	1.01E-02	9.76E-03	1.98E-02	9.81E-03	9.52E-03	1.93E-02	9.68E-03	9.39E-03	1.91E-02
5389	479108.11, 3850382.28	0.09713	0.09625	1.52E-02	1.57E-02	1.43E-02	1.47E-02	1.38E-02	4.03E-03	3.99E-03	8.02E-03	3.93E-03	3.90E-03	7.83E-03	3.88E-03	3.84E-03	7.72E-03
5390	479689.85, 3850674.28	0.1011	0.09947	1.58E-02	1.62E-02	1.49E-02	1.53E-02	1.44E-02	4.19E-03	4.13E-03	8.32E-03	4.09E-03	4.03E-03	8.12E-03	4.04E-03	3.97E-03	8.01E-03
5391	479952.42, 3850774.28	0.08754	0.08641	1.37E-02	1.41E-02	1.29E-02	1.32E-02	1.25E-02	3.63E-03	3.58E-03	7.22E-03	3.54E-03	3.50E-03	7.04E-03	3.50E-03	3.45E-03	6.95E-03
5392	479911.32, 3850884.85	0.22809	0.21955	3.57E-02	3.58E-02	3.37E-02	3.45E-02	3.25E-02	9.46E-03	9.11E-03	1.86E-02	9.23E-03	8.89E-03	1.81E-02	9.11E-03	8.77E-03	1.79E-02
5393	480500.92, 3851178.12	0.23404	0.23317	3.67E-02	3.81E-02	3.45E-02	3.54E-02	3.34E-02	9.71E-03	9.67E-03	1.94E-02	9.47E-03	9.44E-03	1.89E-02	9.35E-03	9.31E-03	1.87E-02
5394	480738.01, 3851289.27	0.21944	0.22164	3.44E-02	3.62E-02	3.24E-02	3.32E-02	3.13E-02	9.10E-03	9.20E-03	1.83E-02	8.88E-03	8.97E-03	1.79E-02	8.77E-03	8.85E-03	1.76E-02
5395	481055.42, 3851443.58	0.21208	0.21767	3.32E-02	3.55E-02	3.13E-02	3.21E-02	3.02E-02	8.80E-03	9.03E-03	1.78E-02	8.59E-03	8.81E-03	1.74E-02	8.47E-03	8.70E-03	1.72E-02
5396	481110.22, 3851443.15	0.16041	0.16414	2.51E-02	2.68E-02	2.37E-02	2.42E-02	2.29E-02	6.66E-03	6.81E-03	1.35E-02	6.49E-03	6.65E-03	1.31E-02	6.41E-03	6.56E-03	1.30E-02
5397	481111.1, 3851417.45	0.13038	0.13301	2.04E-02	2.17E-02	1.92E-02	1.97E-02	1.86E-02	5.41E-03	5.52E-03	1.09E-02	5.28E-03	5.38E-03	1.07E-02	5.21E-03	5.31E-03	1.05E-02
5398	482248.44, 3852605.09	0.24637	0.24666	3.86E-02	4.03E-02	3.64E-02	3.72E-02	3.51E-02	1.02E-02	1.02E-02	2.05E-02	9.97E-03	9.99E-03	2.00E-02	9.84E-03	9.85E-03	1.97E-02
5399	482273.34, 3852632.31	0.25155	0.25161	3.94E-02	4.11E-02	3.71E-02	3.80E-02	3.59E-02	1.04E-02	1.04E-02	2.09E-02	1.02E-02	1.02E-02	2.04E-02	1.00E-02	1.01E-02	2.01E-02
5400	482665.46, 3853038.72	0.19911	0.20345	3.12E-02	3.32E-02	2.94E-02	3.01E-02	2.84E-02	8.26E-03	8.44E-03	1.67E-02	8.06E-03	8.24E-03	1.63E-02	7.95E-03	8.13E-03	1.61E-02
5401	483077.95, 3853844.31	0.06217	0.1271	9.74E-03	2.07E-02	9.18E-03	9.40E-03	8.86E-03	2.58E-03	5.27E-03	7.85E-03	2.52E-03	5.15E-03	7.66E-03	2.48E-03	5.08E-03	7.56E-03
5402	483121.38, 3853909.38	0.05445	0.11748	8.53E-03	1.92E-02	8.04E-03	8.23E-03	7.76E-03	2.26E-03	4.87E-03	7.13E-03	2.20E-03	4.76E-03	6.96E-03	2.18E-03	4.69E-03	6.87E-03
5403	483492.64, 3853911.49	0.02506	0.04031	3.93E-03	6.58E-03	3.70E-03	3.79E-03	3.57E-03	1.04E-03	1.67E-03	2.71E-03	1.01E-03	1.63E-03	2.65E-03	1.00E-03	1.61E-03	2.61E-03
5404	483498.29, 3854204.73	0.02621	0.13125	4.11E-03	2.14E-02	3.87E-03	3.96E-03	3.74E-03	1.09E-03	5.45E-03	6.53E-03	1.06E-03	5.31E-03	6.37E-03	1.05E-03	5.24E-03	6.29E-03
5405	484132.44, 3854662.55	0.01434	0.24327	2.25E-03	3.97E-02	2.12E-03	2.17E-03	2.04E-03	5.95E-04	1.01E-02	1.07E-02	5.81E-04	9.85E-03	1.04E-02	5.73E-04	9.72E-03	1.03E-02
5406	484627.62, 3854876.13	0.01301	0.21469	2.04E-03	3.50E-02	1.92E-03	1.97E-03	1.86E-03	5.40E-04	8.91E-03	9.45E-03	5.27E-04	8.69E-03	9.22E-03	5.20E-04	8.58E-03	9.10E-03
5407	484756.14, 3854949.04	0.01306	0.21471	2.05E-03	3.50E-02	1.93E-03	1.97E-03	1.86E-03	5.42E-04	8.91E-03	9.45E-03	5.29E-04	8.69E-03	9.22E-03	5.22E-04	8.58E-03	9.10E-03
5408	486697.51, 3856599.17	0.01548	0.07693	2.42E-03	1.26E-02	2.28E-03	2.34E-03	2.21E-03	6.42E-04	3.19E-03	3.83E-03	6.27E-04	3.11E-03	3.74E-03	6.18E-04	3.07E-03	3.69E-03
5409	487105.31, 3856962.27	0.01736	0.07105	2.72E-03	1.16E-02	2.56E-03	2.62E-03	2.48E-03	7.20E-04	2.95E-03	3.67E-03	7.03E-04	2.88E-03	3.58E-03	6.93E-04	2.84E-03	3.53E-03
5410	487157.57, 3856901.7	0.01624	0.0533	2.54E-03	8.70E-03	2.40E-03	2.45E-03	2.32E-03	6.74E-04	2.21E-03	2.89E-03	6.57E-04	2.16E-03	2.82E-03	6.49E-04	2.13E-03	2.78E-03
5411	487173.5, 3856853.74	0.01562	0.04676	2.45E-03	7.63E-03	2.31E-03	2.36E-03	2.23E-03	6.48E-04	1.94E-03	2.59E-03	6.32E-04	1.89E-03	2.53E-03	6.24E-04	1.87E-03	2.49E-03
5412	487564.41, 3856860.83	0.01379	0.02808	2.16E-03	4.58E-03	2.04E-03	2.08E-03	1.97E-03	5.72E-04	1.16E-03	1.74E-03	5.58E-04	1.14E-03	1.70E-03	5.51E-04	1.12E-03	1.67E-03
5413	487563.31, 3856931.58	0.01442	0.03038	2.26E-03	4.96E-03	2.13E-03	2.18E-03	2.06E-03	5.98E-04	1.26E-03	1.86E-03	5.84E-04	1.23E-03	1.81E-03	5.76E-04	1.21E-03	1.79E-03
5414	487782.7, 3856926.85	0.01351	0.02447	2.12E-03	3.99E-03	1.99E-03	2.04E-03	1.93E-03	5.61E-04	1.02E-03	1.58E-03	5.47E-04	9.91E-04	1.54E-03	5.40E-04	9.78E-04	1.52E-03
5415	487782.39, 3856757.07	0.01231	0.02134	1.93E-03	3.48E-03	1.82E-03	1.86E-03	1.76E-03	5.11E-04	8.85E-04	1.40E-03	4.98E-04	8.64E-04	1.36E-03	4.92E-04	8.52E-04	1.34E-03
5416	487917.26, 3856752.41	0.01196	0.01945	1.87E-03	3.17E-03	1.77E-03	1.81E-03	1.71E-03	4.96E-04	8.07E-04	1.30E-03	4.84E-04	7.87E-04	1.27E-03	4.78E-04	7.77E-04	1.25E-03
5417	487919.57, 3856953.35	0.01326	0.02241	2.08E-03	3.66E-03	1.96E-03	2.00E-03	1.89E-03	5.50E-04	9.30E-04	1.48E-03	5.37E-04	9.07E-04	1.44E-03	5.30E-04	8.95E-04	1.42E-03
5418	487932.76, 3857000.32	0.01351	0.02306	2.12E-03	3.76E-03	1.99E-03	2.04E-03	1.93E-03	5.61E-04	9.57E-04	1.52E-03	5.47E-04	9.34E-04	1.48E-03	5.40E-04	9.21E-04	1.46E-03
5419	487960.5, 3857044.75	0.01373	0.02342	2.15E-03	3.82E-03	2.03E-03	2.08E-03	1.96E-03	5.70E-04	9.72E-04	1.54E-03	5.56E-04	9.48E-04	1.50E-03	5.48E-04	9.36E-04	1.48E-03
5420	488016.54, 3857089.54	0.01385	0.02324	2.17E-03	3.79E-03	2.04E-03	2.09E-03	1.97E-03	5.75E-04	9.64E-04	1.54E-03	5.61E-04	9.41E-04	1.50E-03	5.53E-04	9.28E-04	1.48E-03
5421	488114.39, 3857165.47	0.01412	0.02293	2.21E-03	3.74E-03	2.08E-03	2.13E-03	2.01E-03	5.86E-04	9.51E-04	1.54E-03	5.72E-04	9.28E-04	1.50E-03	5.64E-04	9.16E-04	1.48E-03
5422	488171.49, 3857234.24	0.01455	0.0232	2.28E-03	3.79E-03	2.15E-03	2.20E-03	2.07E-03	6.04E-04	9.63E-04	1.57E-03	5.89E-04	9.39E-04	1.53E-03	5.81E-04	9.27E-04	1.51E-03
5423	488193.16, 3857297.8	0.01516	0.02404	2.37E-03	3.92E-03	2.24E-03	2.29E-03	2.16E-03	6.29E-04	9.97E-04	1.63E-03	6.14E-04	9.73E-04	1.59E-03	6.06E-04	9.60E-04	1.57E-03
5424	488189.27, 3857649.94	0.02041	0.03545	3.20E-03	5.79E-03	3.01E-03	3.09E-03	2.91E-03	8.47E-04	1.47E-03	2.32E-03	8.26E-04	1.44E-03	2.26E-03	8.15E-04	1.42E-03	2.23E-03
5425	488127.43, 3857732.32	0.02273	0.04438	3.56E-03	7.24E-03	3.35E-03	3.44E-03	3.24E-03	9.43E-04	1.84E-03	2.78E-03	9.20E-04	1.80E-03	2.72E-03	9.08E-04	1.77E-03	2.68E-03
5426	488149.93, 3857752.94	0.02294	0.04426	3.59E-03	7.22E-03	3.39E-03	3.47E-03	3.27E-03	9.52E-04	1.84E-03	2.79E-03	9.29E-04	1.79E-03	2.72E-03	9.16E-04	1.77E-03	2.68E-03
5427	488144.76, 3857758.71	0.02312	0.04512	3.62E-03	7.36E-03	3.41E-03	3.49E-03	3.30E-03	9.59E-04	1.87E-03	2.83E-03	9.36E-04	1.83E-03	2.76E-03	9.24E-04	1.80E-03	2.73E-03
5428	488335.58, 3857932.55	0.02595	0.04473	4.07E-03	7.30E-03	3.83E-03	3.92E-03	3.70E-03	1.08E-03	1.86E-03	2.93E-03	1.05E-03	1.81E-03	2.86E-03	1.04E-03	1.79E-03	2.82E-03
5429	488372.29, 3857943.79	0.02579	0.04295	4.04E-03	7.01E-03	3.81E-03	3.90E-03	3.68E-03	1.07E-03	1.78E-03	2.85E-03	1.04E-03	1.74E-03	2.78E-03	1.03E-03	1.72E-03	2.75E-03
5430	488828.64, 3857936.4	0.02024	0.02523	3.17E-03	4.12E-03	2.99E-03	3.06E-03	2.89E-03	8.40E-04	1.05E-03	1.89E-03	8.19E-04	1.02E-03	1.84E-03	8.09E-04	1.01E-03	1.82E-03
5431	488829.08, 3857959.58	0.02067	0.02576	3.24E-03	4.20E-03	3.05E-03	3.12E-03	2.95E-03	8.58E-04	1.07E-03	1.93E-03	8.37E-04	1.04E-03	1.88E-03	8.26E-04	1.03E-03	1.85E-03
5432	488351.61, 3857964.55	0.02682	0.04618	4.20E-03	7.54E-03	3.96E-03	4.05E-03	3.82E-03	1.11E-03	1.92E-03	3.03E-03	1.09E-03	1.87E-03	2.96E-03	1.07E-03	1.84E-03	2.92E-03
5433	488316.87, 3857947.65	0.02675	0.04755	4.19E-03	7.76E-03	3.95E-03	4.04E-03	3.81E-03	1.11E-03	1.97E-03	3.08E-03	1.08E-03	1.93E-03	3.01E-03	1.07E-03	1.90E-03	2.97E-03
5434	488129.1, 3857775.77	0.02373	0.0479	3.72E-03	7.82E-03	3.50E-03	3.59E-03	3.38E-03	9.85E-04	1.99E-03	2.97E-03	9.61E-04	1.94E-03	2.90E-03	9.48E-04	1.91E-03	2.86E-03
5435	488062.53, 3857846.13	0.02693	0.06522	4.22E-03	1.06E-02	3.97E-03	4.07E-03	3.84E-03	1.12E-03	2.71E-03	3.82E-03	1.09E-03	2.64E-03	3.73E-03	1.08E-03	2.61E-03	3.68E-03
5436	488330.41, 3858091.34	0.03248	0.06317	5.09E-03	1.03E-02	4.79E-03	4.91E-03	4.63E-03	1.35E-03	2.62E-03	3.97E-03	1.31E-03	2.56E-03	3.87E-03	1.30E-03	2.52E-03	3.82E-03
5437	488470.87, 3858174.45	0.03357	0.05666	5.26E-03	9.25E-03	4.95E-03	5.07E-03	4.79E-03	1.39E-03	2.35E-03	3.74E-03	1.36E-03	2.29E-03	3.65E-03	1.34E-03	2.26E-03	3.60E-03
5438	488568.9, 3858262.31	0.03665	0.05788	5.74E-03	9.45E-03	5.41E-03	5.54E-03	5.23E-03	1.52E-03	2.40E-03	3.92E-03	1.48E-03	2.34E-03	3.83E-03	1.46E-03	2.31E-03	3.78E-03
5439	488964.27, 3858025.71	0.02061	0.02445	3.23E-03	3.99E-03	3.04E-03	3.12E-03	2.94E-03	8.55E-04	1.01E-03	1.87E-03	8.34E-04	9.90E-04	1.82E-03	8.23E-04	9.77E-04	1.80E-03
5440	489147.25, 3857956.64	0.01781	0.02025	2.79E-03	3.31E-03	2.63E-03	2.69E-03	2.54E-03	7.39E-04	8.40E-04	1.58E-03	7.21E-04	8.20E-04	1.54E-03	7.11E-04	8.09E-04	1.52E-03
5441	489343.52, 3857932.45	0.01612	0.01774	2.53E-03	2.90E-03	2.38E-03	2.44E-03	2.30E-03	6.69E-04	7.36E-04	1.40E-03	6.53E-04	7.18E-04	1.37E-03	6.44E-04	7.09E-04	1.35E-03
5442	489866.19, 3857923.19	0.01342	0.0139	2.10E-03	2.27E-03	1.98E-03	2.03E-03	1.91E-03	5.57E-04	5.77E-04	1.13E-03	5.43E-04	5.63E-04	1.11E-03	5.36E-04	5.55E-04	1.09E-03
5443	489955.65, 3857902.27	0.01288	0.01328	2.02E-03	2.17E-03	1.90E-03	1.95E-03	1.84E-03	5.34E-04	5.51E-04	1.09E-03	5.21E-04	5.38E-04	1.06E-03	5.15E-04	5.30E-04	1.05E-03
5444	490079.44, 3857847.9	0.01223	0.01254	1.92E-03	2.05E-03	1.80E-03	1.85E-03	1.74E-03	5.07E-04	5.20E-04	1.03E-03	4.95E-04	5.08E-04	1.00E-03	4.89E-04	5.01E-04	9.89E-04
5445	490108.49, 3857934.13	0.01263	0.01281	1.98E-03	2.09E-03	1.86E-03	1.91E-03	1.80E-03	5.24E-04	5.31E-04	1.06E-03	5.11E-04	5.19E-04	1.03E-03	5.05E-04	5.12E-04	1.02E-03
5446	489884.48, 3858014.17	0.01406	0.01439	2.20E-03	2.35E-03	2.08E-03	2.13E-03	2.00E-03	5.83E-04	5.97E-04	1.18E-03	5.69E-04	5.83E-04	1.15E-03	5.62E-04	5.75E-04	1.14E-03
5447	489326.56, 3858025.86	0.01739	0.01899	2.72E-03	3.10E-03	2.57E-03	2.63E-03	2.48E-03	7.21E-04	7.88E-04	1.51E-03	7.04E-04	7.69E-04	1.47E-03	6.95E-04	7.59E-04	1.45E-03
5448	489130.38, 3858056.71	0.01942	0.02201	3.04E-03	3.59E-03	2.87E-03	2.94E-03	2.77E-03	8.06E-04	9.13E-04	1.72E-03	7.86E-04	8.91E-04	1.68E-03	7.76E-04	8.79E-04	1.66E-03

5449	488936.49, 3858143.93	0.02358	0.02822	3.69E-03	4.61E-03	3.48E-03	3.56E-03	3.36E-03	9.78E-04	1.17E-03	2.15E-03	9.55E-04	1.14E-03	2.10E-03	9.42E-04	1.13E-03	2.07E-03
5450	488638.08, 3858327.45	0.03858	0.05803	6.04E-03	9.47E-03	5.69E-03	5.83E-03	5.50E-03	1.60E-03	2.41E-03	4.01E-03	1.56E-03	2.35E-03	3.91E-03	1.54E-03	2.32E-03	3.86E-03
5451	488663.79, 3858349.57	0.03916	0.05773	6.13E-03	9.42E-03	5.78E-03	5.92E-03	5.58E-03	1.62E-03	2.40E-03	4.02E-03	1.59E-03	2.34E-03	3.92E-03	1.56E-03	2.31E-03	3.87E-03
5452	488694.56, 3858349.5	0.03792	0.054	5.94E-03	8.81E-03	5.60E-03	5.73E-03	5.41E-03	1.57E-03	2.24E-03	3.81E-03	1.54E-03	2.19E-03	3.72E-03	1.51E-03	2.16E-03	3.67E-03
5453	488694.35, 3858336.75	0.03705	0.05252	5.80E-03	8.57E-03	5.47E-03	5.60E-03	5.28E-03	1.54E-03	2.18E-03	3.72E-03	1.50E-03	2.13E-03	3.63E-03	1.48E-03	2.10E-03	3.58E-03
5454	488712.81, 3858336.38	0.03636	0.05059	5.70E-03	8.26E-03	5.37E-03	5.50E-03	5.18E-03	1.51E-03	2.10E-03	3.61E-03	1.47E-03	2.05E-03	3.52E-03	1.45E-03	2.02E-03	3.47E-03
5455	488713.23, 3858367.46	0.03847	0.05409	6.03E-03	8.83E-03	5.68E-03	5.82E-03	5.49E-03	1.60E-03	2.24E-03	3.84E-03	1.56E-03	2.19E-03	3.75E-03	1.54E-03	2.16E-03	3.70E-03
5456	488704.63, 3858384.05	0.04011	0.05729	6.28E-03	9.35E-03	5.92E-03	6.06E-03	5.72E-03	1.66E-03	2.38E-03	4.04E-03	1.62E-03	2.32E-03	3.94E-03	1.60E-03	2.29E-03	3.89E-03
5457	488604.15, 3858488.29	0.05913	0.11072	9.26E-03	1.81E-02	8.73E-03	8.94E-03	8.43E-03	2.45E-03	4.59E-03	7.05E-03	2.39E-03	4.48E-03	6.88E-03	2.36E-03	4.42E-03	6.78E-03
5458	488605.66, 3858550.47	0.07279	0.15535	1.14E-02	2.54E-02	1.07E-02	1.10E-02	1.04E-02	3.02E-03	6.45E-03	9.47E-03	2.95E-03	6.29E-03	9.24E-03	2.91E-03	6.21E-03	9.11E-03
5459	488692.68, 3858548.71	0.06145	0.10039	9.63E-03	1.64E-02	9.07E-03	9.29E-03	8.76E-03	2.55E-03	4.16E-03	6.71E-03	2.49E-03	4.06E-03	6.55E-03	2.45E-03	4.01E-03	6.47E-03
5460	488759.93, 3858461.81	0.04427	0.06121	6.93E-03	9.99E-03	6.53E-03	6.69E-03	6.31E-03	1.84E-03	2.54E-03	4.38E-03	1.79E-03	2.48E-03	4.27E-03	1.77E-03	2.45E-03	4.21E-03
5461	488816.57, 3858541.79	0.04972	0.06611	7.79E-03	1.08E-02	7.34E-03	7.52E-03	7.09E-03	2.06E-03	2.74E-03	4.81E-03	2.01E-03	2.68E-03	4.69E-03	1.99E-03	2.64E-03	4.63E-03
5462	488944.63, 3858656.77	0.05598	0.06708	8.77E-03	1.09E-02	8.26E-03	8.46E-03	7.98E-03	2.32E-03	2.78E-03	5.11E-03	2.27E-03	2.72E-03	4.98E-03	2.24E-03	2.68E-03	4.92E-03
5463	489134.91, 3858830.7	0.06977	0.07823	1.09E-02	1.28E-02	1.03E-02	1.05E-02	9.95E-03	2.89E-03	3.25E-03	6.14E-03	2.82E-03	3.17E-03	5.99E-03	2.79E-03	3.13E-03	5.91E-03
5464	489193.99, 3858886.05	0.07604	0.08337	1.19E-02	1.36E-02	1.12E-02	1.15E-02	1.08E-02	3.15E-03	3.46E-03	6.61E-03	3.08E-03	3.38E-03	6.45E-03	3.04E-03	3.33E-03	6.37E-03
5465	489295.2, 3858954.34	0.08015	0.08378	1.26E-02	1.37E-02	1.18E-02	1.21E-02	1.14E-02	3.33E-03	3.48E-03	6.80E-03	3.24E-03	3.39E-03	6.64E-03	3.20E-03	3.35E-03	6.55E-03
5466	489295.64, 3858992.74	0.09536	0.0999	1.49E-02	1.63E-02	1.41E-02	1.44E-02	1.36E-02	3.96E-03	4.14E-03	8.10E-03	3.86E-03	4.04E-03	7.90E-03	3.81E-03	3.99E-03	7.80E-03
5467	489183.74, 3858911.72	0.08671	0.09651	1.36E-02	1.58E-02	1.28E-02	1.31E-02	1.24E-02	3.60E-03	4.00E-03	7.60E-03	3.51E-03	3.91E-03	7.42E-03	3.46E-03	3.86E-03	7.32E-03
5468	488873.37, 3858625.59	0.05728	0.07303	8.97E-03	1.19E-02	8.45E-03	8.66E-03	8.17E-03	2.38E-03	3.03E-03	5.41E-03	2.32E-03	2.96E-03	5.28E-03	2.29E-03	2.92E-03	5.21E-03
5469	488842.84, 3858658.69	0.06722	0.09049	1.05E-02	1.48E-02	9.92E-03	1.02E-02	9.58E-03	2.79E-03	3.75E-03	6.54E-03	2.72E-03	3.66E-03	6.38E-03	2.69E-03	3.61E-03	6.30E-03
5470	488856.39, 3858670.93	0.06826	0.09072	1.07E-02	1.48E-02	1.01E-02	1.03E-02	9.73E-03	2.83E-03	3.76E-03	6.60E-03	2.76E-03	3.67E-03	6.44E-03	2.73E-03	3.62E-03	6.35E-03
5471	488805.7, 3858724.5	0.09593	0.14996	1.50E-02	2.45E-02	1.42E-02	1.45E-02	1.37E-02	3.98E-03	6.22E-03	1.02E-02	3.88E-03	6.07E-03	9.95E-03	3.83E-03	5.99E-03	9.82E-03
5472	488805.87, 3858804.16	0.15893	0.33746	2.49E-02	5.51E-02	2.35E-02	2.40E-02	2.27E-02	6.59E-03	1.40E-02	2.06E-02	6.43E-03	1.37E-02	2.01E-02	6.35E-03	1.35E-02	1.98E-02
5473	488995.78, 3858936.96	0.20524	0.3333	3.22E-02	5.44E-02	3.03E-02	3.10E-02	2.93E-02	8.51E-03	1.38E-02	2.23E-02	8.31E-03	1.35E-02	2.18E-02	8.20E-03	1.33E-02	2.15E-02
5474	489130.76, 3859017.38	0.21878	0.27843	3.43E-02	4.54E-02	3.23E-02	3.31E-02	3.12E-02	9.08E-03	1.16E-02	2.06E-02	8.86E-03	1.13E-02	2.01E-02	8.74E-03	1.11E-02	1.99E-02
5475	489130.92, 3859052.24	0.33718	0.43828	5.28E-02	7.15E-02	4.98E-02	5.10E-02	4.81E-02	1.40E-02	1.82E-02	3.22E-02	1.37E-02	1.77E-02	3.14E-02	1.35E-02	1.75E-02	3.10E-02
5476	489200.33, 3859090.6	0.33655	0.39783	5.27E-02	6.49E-02	4.97E-02	5.09E-02	4.80E-02	1.40E-02	1.65E-02	3.05E-02	1.36E-02	1.61E-02	2.97E-02	1.34E-02	1.59E-02	2.93E-02
5477	489296.07, 3859143.7	0.33565	0.3853	5.26E-02	6.29E-02	4.95E-02	5.07E-02	4.79E-02	1.39E-02	1.60E-02	2.99E-02	1.36E-02	1.56E-02	2.92E-02	1.34E-02	1.54E-02	2.88E-02
5478	489296.43, 3858954.74	0.08006	0.08364	1.25E-02	1.37E-02	1.18E-02	1.21E-02	1.14E-02	3.32E-03	3.47E-03	6.79E-03	3.24E-03	3.39E-03	6.63E-03	3.20E-03	3.34E-03	6.54E-03
5479	489410.33, 3859033.19	0.0857	0.08667	1.34E-02	1.41E-02	1.26E-02	1.30E-02	1.22E-02	3.56E-03	3.60E-03	7.15E-03	3.47E-03	3.51E-03	6.98E-03	3.42E-03	3.46E-03	6.89E-03
5480	489371.37, 3859089.8	0.13144	0.13725	2.06E-02	2.24E-02	1.94E-02	1.99E-02	1.87E-02	5.45E-03	5.69E-03	1.11E-02	5.32E-03	5.56E-03	1.09E-02	5.25E-03	5.48E-03	1.07E-02
5481	489390.52, 3859102.82	0.13369	0.13946	2.09E-02	2.28E-02	1.97E-02	2.02E-02	1.91E-02	5.55E-03	5.79E-03	1.13E-02	5.41E-03	5.65E-03	1.11E-02	5.34E-03	5.57E-03	1.09E-02
5482	489382.3, 3859114.53	0.15048	0.15864	2.36E-02	2.59E-02	2.22E-02	2.27E-02	2.15E-02	6.24E-03	6.58E-03	1.28E-02	6.09E-03	6.42E-03	1.25E-02	6.01E-03	6.34E-03	1.23E-02
5483	489363.04, 3859102.45	0.14877	0.15715	2.33E-02	2.57E-02	2.20E-02	2.25E-02	2.12E-02	6.17E-03	6.52E-03	1.27E-02	6.02E-03	6.36E-03	1.24E-02	5.94E-03	6.28E-03	1.22E-02
5484	489337.52, 3859140.71	0.2425	0.26802	3.80E-02	4.37E-02	3.58E-02	3.67E-02	3.46E-02	1.01E-02	1.11E-02	2.12E-02	9.82E-03	1.09E-02	2.07E-02	9.69E-03	1.07E-02	2.04E-02
5485	489375.14, 3859164.55	0.2522	0.27604	3.95E-02	4.51E-02	3.72E-02	3.81E-02	3.60E-02	1.05E-02	1.15E-02	2.19E-02	1.02E-02	1.12E-02	2.14E-02	1.01E-02	1.10E-02	2.11E-02
5486	489409.3, 3859114.5	0.13496	0.14053	2.11E-02	2.29E-02	1.99E-02	2.04E-02	1.92E-02	5.60E-03	5.83E-03	1.14E-02	5.46E-03	5.69E-03	1.12E-02	5.39E-03	5.61E-03	1.10E-02
5487	489434.87, 3859131.81	0.13805	0.14344	2.16E-02	2.34E-02	2.04E-02	2.09E-02	1.97E-02	5.73E-03	5.95E-03	1.17E-02	5.59E-03	5.81E-03	1.14E-02	5.51E-03	5.73E-03	1.12E-02
5488	489471.87, 3859075.75	0.08906	0.08977	1.40E-02	1.47E-02	1.31E-02	1.35E-02	1.27E-02	3.69E-03	3.72E-03	7.42E-03	3.61E-03	3.63E-03	7.24E-03	3.56E-03	3.59E-03	7.14E-03
5489	489602.62, 3859164.69	0.09667	0.09694	1.51E-02	1.58E-02	1.43E-02	1.46E-02	1.38E-02	4.01E-03	4.02E-03	8.03E-03	3.91E-03	3.92E-03	7.84E-03	3.86E-03	3.87E-03	7.73E-03
5490	489558.29, 3859232.45	0.1794	0.18387	2.81E-02	3.00E-02	2.65E-02	2.71E-02	2.56E-02	7.44E-03	7.63E-03	1.51E-02	7.26E-03	7.44E-03	1.47E-02	7.17E-03	7.35E-03	1.45E-02
5491	489620.11, 3859273.56	0.19184	0.19613	3.01E-02	3.20E-02	2.83E-02	2.90E-02	2.74E-02	7.96E-03	8.14E-03	1.61E-02	7.77E-03	7.94E-03	1.57E-02	7.66E-03	7.83E-03	1.55E-02
5492	489666.06, 3859206.42	0.10028	0.10032	1.57E-02	1.64E-02	1.48E-02	1.52E-02	1.43E-02	4.16E-03	4.16E-03	8.32E-03	4.06E-03	4.06E-03	8.12E-03	4.01E-03	4.01E-03	8.01E-03
5493	489787.9, 3859285.65	0.10724	0.10773	1.68E-02	1.76E-02	1.58E-02	1.62E-02	1.53E-02	4.45E-03	4.47E-03	8.92E-03	4.34E-03	4.36E-03	8.70E-03	4.28E-03	4.30E-03	8.59E-03
5494	489752.17, 3859343.13	0.18653	0.19097	2.92E-02	3.12E-02	2.75E-02	2.82E-02	2.66E-02	7.74E-03	7.92E-03	1.57E-02	7.55E-03	7.73E-03	1.53E-02	7.45E-03	7.63E-03	1.51E-02
5495	489814.94, 3859385.33	0.20084	0.20596	3.15E-02	3.36E-02	2.96E-02	3.04E-02	2.86E-02	8.33E-03	8.54E-03	1.69E-02	8.13E-03	8.34E-03	1.65E-02	8.02E-03	8.23E-03	1.63E-02
5496	489853.42, 3859330.74	0.11311	0.114	1.77E-02	1.86E-02	1.67E-02	1.71E-02	1.61E-02	4.69E-03	4.73E-03	9.42E-03	4.58E-03	4.62E-03	9.19E-03	4.52E-03	4.55E-03	9.07E-03
5497	489969.5, 3859401.91	0.11864	0.11983	1.86E-02	1.96E-02	1.75E-02	1.79E-02	1.69E-02	4.92E-03	4.97E-03	9.89E-03	4.80E-03	4.85E-03	9.65E-03	4.74E-03	4.79E-03	9.53E-03
5498	490166.91, 3859486.96	0.10837	0.10867	1.70E-02	1.77E-02	1.60E-02	1.64E-02	1.55E-02	4.50E-03	4.51E-03	9.00E-03	4.39E-03	4.40E-03	8.79E-03	4.33E-03	4.34E-03	8.67E-03
5499	490128.86, 3859571.46	0.27135	0.27062	4.25E-02	4.42E-02	4.00E-02	4.10E-02	3.87E-02	1.13E-02	1.12E-02	2.25E-02	1.10E-02	1.10E-02	2.19E-02	1.08E-02	1.08E-02	2.17E-02
5500	490186.65, 3859593.65	0.27341	0.27459	4.28E-02	4.48E-02	4.04E-02	4.13E-02	3.90E-02	1.13E-02	1.14E-02	2.27E-02	1.11E-02	1.11E-02	2.22E-02	1.09E-02	1.10E-02	2.19E-02
5501	490223.74, 3859517.48	0.11275	0.11276	1.77E-02	1.84E-02	1.66E-02	1.70E-02	1.61E-02	4.68E-03	4.68E-03	9.36E-03	4.56E-03	4.57E-03	9.13E-03	4.50E-03	4.50E-03	9.01E-03
5502	490846.34, 3859817.22	0.16404	0.17268	2.57E-02	2.82E-02	2.42E-02	2.48E-02	2.34E-02	6.81E-03	7.16E-03	1.40E-02	6.64E-03	6.99E-03	1.36E-02	6.55E-03	6.90E-03	1.35E-02
5503	490925.65, 3859844.59	0.15163	0.15946	2.38E-02	2.60E-02	2.24E-02	2.29E-02	2.16E-02	6.29E-03	6.62E-03	1.29E-02	6.14E-03	6.46E-03	1.26E-02	6.06E-03	6.37E-03	1.24E-02
5504	491159.29, 3859896.28	0.10636	0.10645	1.67E-02	1.74E-02	1.57E-02	1.61E-02	1.52E-02	4.41E-03	4.42E-03	8.83E-03	4.31E-03	4.31E-03	8.62E-03	4.25E-03	4.25E-03	8.50E-03
5505	491370.69, 3859960.89	0.08122	0.08066	1.27E-02	1.32E-02	1.20E-02	1.23E-02	1.16E-02	3.37E-03	3.35E-03	6.72E-03	3.29E-03	3.27E-03	6.55E-03	3.24E-03	3.22E-03	6.47E-03
5506	491330.28, 3860063.17	0.15149	0.14795	2.37E-02	2.41E-02	2.24E-02	2.29E-02	2.16E-02	6.28E-03	6.14E-03	1.24E-02	6.13E-03	5.99E-03	1.21E-02	6.05E-03	5.91E-03	1.20E-02
5507	491636.45, 3860180.75	0.08132	0.08293	1.27E-02	1.35E-02	1.20E-02	1.23E-02	1.16E-02	3.37E-03	3.44E-03	6.81E-03	3.29E-03	3.36E-03	6.65E-03	3.25E-03	3.31E-03	6.56E-03
5508	491617.94, 3860203.93	0.0939	0.09635	1.47E-02	1.57E-02	1.39E-02	1.42E-02	1.34E-02	3.90E-03	4.00E-03	7.89E-03	3.80E-03	3.90E-03	7.70E-03	3.75E-03	3.85E-03	7.60E-03
5509	491805.68, 3860271.59	0.07033	0.07255	1.10E-02	1.18E-02	1.04E-02	1.06E-02	1.00E-02	2.92E-03	3.01E-03	5.93E-03	2.85E-03	2.94E-03	5.78E-03	2.81E-03	2.90E-03	5.71E-03
5510	491654.23, 3860414.02	0.36336	0.39621	5.69E-02	6.47E-02	5.36E-02	5.49E-02	5.18E-02	1.51E-02	1.64E-02	3.15E-02	1.47E-02	1.60E-02	3.08E-02	1.45E-02	1.58E-02	3.03E-02
5511	491592.62, 3860510.76	0.07022	0.06609	1.10E-02	1.08E-02	1.04E-02	1.06E-02	1.00E-02	2.91E-03	2.74E-03	5.66E-03	2.84E-03	2.68E-03	5.52E-03	2.81E-03	2.64E-03	5.45E-03
5512	491475.41, 3860368.93	0.11816	0.11016	1.85E-02	1.80E-02	1.74E-02	1.79E-02	1.68E-02	4.90E-03	4.57E-03	9.47E-03	4.78E-03	4.46E-03	9.24E-03	4.72E-03	4.40E-03	9.12E-03
5513	491445.61, 3860337.28	0.13137	0.12413	2.06E-02	2.03E-02	1.94E-02	1.99E-02	1.87E-02	5.45E-03	5.15E-03	1.06E-02	5.32E-03	5.03E-03	1.03E-02	5.25E-03	4.96E-03	1.02E-02
5514	491399.05, 3860300.37	0.13373	0.12933	2.09E-02	2.11E-02	1.97E-02	2.02E-02	1.91E-02	5.55E-03	5.37E-03	1.09E-02	5.41E-03	5.24E-03	1.06E-02	5.34E-03	5.17E-03	1.05E-02
5515	491228.84, 3860235.98	0.06574	0.06646	1.03E-02	1.08E-02	9.70E-03	9.94E-03	9.37E-03	2.73E-03	2.76E-03	5.48E-03	2.66E-03	2.69E-03	5.35E-03	2.63E-03	2.65E-03	5.28E-03
5516	491228.47, 3860174.57	0.12518	0.13043	1.96E-02	2.13E-02	1.85E-02	1.89E-02	1.78E-02	5.19E-03	5.41E-03	1.06E-02	5.07E-03	5.28E-03	1.03E-02	5.00E-03	5.21E-03	1.02E-02
5517	491145.77, 3860112.55	0.1243	0.13111	1.95E-02	2.14E-02	1.83E-02	1.88E-02	1.77E-02	5.16E-03	5.44E-03	1.06E-02	5.03E-03	5.31E-03	1.03E-02	4.97E-03	5.24E-03	1.02E-02
5518	490844.41, 3859966.22	0.11579	0.10813	1.81E-02	1.76E-02	1.71E-02	1.75E-02	1.65E-02	4.80E-03	4.49E-03	9.29E-03	4.69E-03	4.38E-03	9.07E-03	4.63E-03	4.32E-03	8.94E-03
5519	490845.55, 3859928.15	0.25598	0.22643	4.01E-02	3.70E-02	3.78E-02	3.87E-02	3.65E-02	1.06E-02	9.39E-03	2.00E-02	1.04E-02	9.17E-03	1.95E-02	1.02E-02	9.05E-03	1.93E-02
5520	490046.91, 3859625.6	0.17089	0.17175	2.68E-02	2.80E-02	2.52E-02	2.58E-02	2.44E-02	7.09E-03	7.13E-03	1.42E-02	6.92E-03	6.95E-03	1.39E-02	6.83E-03	6.86E-03	1.37E-02
5521	489970.48, 3859589.4	0.17907	0.17453	2.81E-02	2.85E-02	2.64E-02	2.71E-02	2.55E-02	7.43E-03	7.24E-03	1.47E-02	7.25E-03	7.07E-03	1.43E-02	7.15E-03	6.97E-03	1.41E-02
5522	489865.89, 3859529.06	0.19558	0.18752	3.06E-02	3.06E-02	2.89E-02	2.96E-02	2.79E-02	8.11E-03	7.78E-03	1.59E-02	7.92E-03	7.59E-03	1.55E-02	7.81E-03	7.49E-03	1.53E-02
5523	489826.89, 3859531.74	0.12621	0.12181	1.98E-02	1.99E-02	1.86E-02	1.91E-02	1.80E-02	5.24E-03	5.05E-03	1.03E-02	5.11E-03	4.93E-03	1.00E-02	5.04E-03	4.87E-03	9.91E-03
5524	489410.47, 3859303.06	0.12494	0.11438	1.96E-02	1.87E-02	1.84E-02	1.89E-02	1.78E-02	5.18E-03	4.75E-03	9.93E-03	5.06E-03	4.63E-03	9.69E-03	4.99E-03	4.57E-03	9.56E-03
5525	489407.15, 3859286.09	0.16169	0.14531	2.53E-02	2.37E-02	2.39E-02	2.44E-02	2.31E-02	6.71E-03	6.03E-03	1.27E-02	6.55E-03	5.88E-03	1.24E-02	6.46E-03	5.80E-03	1.23E-02
5526	488806.07, 3858963.62	0.13871	0.06422	2.17E-02	1.05E-02	2.05E-02	2.10E-02	1.98E-02	5.75E-03	2.66E-03	8.42E-03	5.62E-03	2.60E-03	8.22E-03	5.54E-03	2.57E-03	8.11E-03
5527	488817.64, 3859546.3	0.01214	0.0112	1.90E-03	1.83E-03	1.79E-03	1.84E-03	1.73E-03	5.04E-04	4.65E-04	9.68E-04	4.91E-04	4.53E-04	9.45E-04	4.85E-04	4.47E-04	9.32E-04
5528	489187.25, 3859549.52	0.0172	0.01631	2.69E-03	2.66E-03	2.54E-03	2.60E-03	2.45E-03	7.14E-04	6.77E-04	1.39E-03	6.96E-04	6.60E-04	1.36E-03	6.87E-04	6.52E-04	1.34E-03
5529	489187.66, 3859523.74	0.01826	0.01728	2.86E-03	2.82E-03	2.69E-03	2.76E-03	2.60E-03	7.58E-04	7.17E-04	1.47E-03	7.39E-04	7.00E-04	1.44E-03	7.29E-04	6.90E-04	1.42E-03
5530	489232.59, 3859522.85	0.01947	0.01847	3.05E-03	3.01E-03	2.87E-03	2.94E-03	2.78E-03	8.08E-04	7.66E-04	1.57E-03	7.88E-04	7.48E-04	1.54E-03	7.78E-04	7.38E-04	1.52E-03
5531	489224.98, 3859759.91	0.01223	0.01172	1.92E-03	1.91E-03	1.80E-03	1.85E-03	1.74E-03	5.07E-04	4.86E-04	9.94E-04	4.95E-04	4.74E-04	9.70E-04	4.89E-04	4.68E-04	9.57E-04
5532	488401.39, 3859763.34	0.00757	0.00696	1.19E-03	1.14E-03	1.12E-03	1.14E-03	1.08E-03	3.14E-04	2.89E-04	6.03E-04	3.06E-04	2.82E-04	5.88E-04	3.02E-04	2.78E-04	5.80E-04
5533	488405.51, 3859966.16	0.00667	0.00624	1.04E-03	1.02E-03	9.84E-04	1.01E-03	9.51E-04	2.77E-04	2.59E-04	5.36E-04	2.70E-04	2.53E-04	5.23E-04	2.66E-04	2.49E-04	5.16E-04
5534	489202.85, 3859956.57	0.00947	0.00909	1.48E-03	1.48E-03	1.40E-03	1.43E-03	1.35E-03	3.93E-04	3.77E-04	7.70E-04	3.83E-04	3.68E-04	7.51E-04	3.78E-04	3.63E-04	7.41E-04
5535	489191.9, 3860676.74	0.00552	0.00536	8.65E-04	8.75E-04	8.15E-04	8.34E-04	7.87E-04	2.29E-04	2.22E-04	4.51E-04	2.23E-04	2.17E-04	4.40E-04	2.21E-04	2.14E-04	4.35E-04
5536	488392.82, 3860687.88	0.00458	0.00434	7.17E-04	7.08E-04	6.76E-04	6.92E-04	6.53E-04	1.90E-04	1.80E-04	3.70E-04	1.85E-04	1.76E-04	3.61E-04	1.83E-04	1.73E-04	3.56E-04
5537	488392.82, 3860760.27	0.00445	0.00422	6.97E-04	6.89E-04	6.57E-04	6.73E-04	6.35E-04	1.85E-04	1.75E-04	3.60E-04	1.80E-04	1.71E-04	3.51E-04	1.78E-04	1.69E-04	3.46E-04
5538	487549.05, 3860777.45	0.00378	0.00353	5.92E-04	5.76E-04	5.58E-04	5.71E-04	5.39E-04	1.57E-04	1.46E-04	3.03E-04	1.53E-04	1.43E-04	2.96E-04	1.51E-04	1.41E-04	2.92E-04
5539	487554.62, 3859571.83	0.00637	0.00555	9.98E-04	9.06E-04	9.40E-04	9.63E-04	9.08E-04	2.64E-04	2.30E-04	4.95E-04	2.58E-04	2.25E-04	4.83E-04	2.54E-04	2.22E-04	4.76E-04
5540	485949.46, 3859558.54	0.00438	0.0038	6.86E-04	6.20E-04	6.46E-04	6.62E-04	6.25E-04	1.82E-04	1.58E-04	3.39E-04	1.77E-04	1.54E-04	3.31E-04	1.75E-04	1.52E-04	3.27E-04
5541	485947.55, 3857943.61	0.01148	0.00595	1.80E-03	9.71E-04	1.69E-03	1.74E-03	1.64E-03	4.76E-04	2.47E-04	7.23E-04	4.65E-04	2.41E-04	7.06E-04	4.59E-04	2.38E-04	6.96E-04
5542	484738.38, 3857940.21	0.0059	0.00417	9.24E-04	6.81E-04	8.71E-04	8.92E-04	8.41E-04	2.45E-04	1.73E-04	4.18E-04	2.39E-04	1.69E-04	4.08E-04	2.36E-04	1.67E-04	4.02E-04
5543	484737.06, 3857535.68	0.00739	0.00462	1.16E-03	7.54E-04	1.09E-03	1.12E-03	1.05E-03	3.07E-04	1.92E-04	4.98E-04	2.99E-04	1.87E-04	4.86E-04	2.95E-04	1.85E-04	4.80E-04
5544	483730.2, 3857530.13	0.00505	0.00372	7.91E-04	6.07E-04	7.45E-04	7.63E-04	7.20E-04	2.10E-04	1.54E-04	3.64E-04	2.04E-04	1.51E-04	3.55E-04	2.02E-04	1.49E-04	3.50E-04
5545	483727.27, 3857130.01	0.0059	0.00405	9.24E-04	6.61E-04	8.71E-04	8.92E-04	8.41E-04	2.45E-04	1.68E-04	4.13E-04	2.39E-04	1.64E-04	4.03E-04	2.36E-04	1.62E-04	3.97E-04
5546	483124.42, 3857123.45	0.00491	0.00365	7.69E-04	5.96E-04	7.25E-04	7.42E-04	7.00E-04	2.04E-04	1.51E-04	3.55E-04	1.99E-04	1.48E-04	3.47E-04	1.96E-04	1.46E-04	3.42E-04
5547	483111.13, 3855921.03	0.00837	0.00481	1.31E-03	7.85E-04	1.24E-03	1.27E-03	1.19E-03	3.47E-04	2.00E-04	5.47E-04	3.39E-04	1.95E-04	5.34E-04	3.34E-04	1.92E-04	5.27E-04
5548	482701.73, 3855918.24	0.00672	0.00442	1.05E-03	7.21E-04	9.92E-04	1.02E-03	9.58E-04	2.79E-04	1.83E-04	4.62E-04	2.72E-04	1.79E-04	4.51E-04	2.68E-04	1.77E-04	4.45E-04
5549	482668.02, 3853521.78	0.05655	0.04934	8.86E-03	8.05E-03	8.35E-03	8.55E-03	8.06E-03	2.35E-03	2.05E-03	4.39E-03	2.29E-03	2.00E-03	4.29E-03	2.26E-03	1.97E-03	4.23E-03
5550	482579.91, 3853219.19	0.06817	0.06846	1.07E-02	1.12E-02	1.01E-02	1.03E-02	9.72E-03	2.83E-03	2.84E-03	5.67E-03	2.76E-03	2.77E-03	5.53E-03	2.72E-03	2.73E-03	5.46E-03
5551	482434.06, 3852961.94	0.09611	0.09783	1.51E-02	1.60E-02	1.42E-02	1.45E-02	1.37E-02	3.99E-03	4.06E-03	8.05E-03	3.89E-03	3.96E-03	7.85E-03	3.84E-03	3.91E-03	7.75E-03
5552	482332.11, 3852832.85	0.12479	0.12721	1.95E-02	2.08E-02	1.84E-02	1.89E-02	1.78E-02	5.18E-03	5.28E-03	1.05E-02	5.05E-03	5.15E-03	1.02E-02	4.98E-03	5.08E-03	1.01E-02
5553	481334.99, 3851818.96	0.10293	0.10454	1.61E-02	1.71E-02	1.52E-02	1.56E-02	1.47E-02	4.27E-03	4.34E-03	8.61E-03	4.17E-03	4.23E-03	8.40E-03	4.11E-03	4.18E-03	8.29E-03
5554	481127.62, 3851646.36	0.08857	0.08879	1.39E-02	1.45E-02	1.31E-02	1.34E-02	1.26E-02	3.67E-03	3.68E-03	7.36E-03	3.59E-03	3.59E-03	7.18E-03	3.54E-03	3.55E-03	7.08E-03
5555	481025.04, 3851591.73	0.0809	0.08046	1.27E-02	1.31E-02	1.19E-02	1.22E-02	1.15E-02	3.36E-03	3.34E-03	6.69E-03	3.28E-03	3.26E-03	6.53E-03	3.23E-03	3.21E-03	6.45E-03
5556	480513.6, 3851335.76	0.0828	0.08421	1.30E-02	1.37E-02	1.22E-02	1.25E-02	1.18E-02	3.44E-03	3.49E-03	6.93E-03	3.35E-03	3.41E-03	6.76E-03	3.31E-03	3.36E-03	6.67E-03
5557	480523.56, 3851317.66	0.112	0.11418	1.75E-02	1.86E-02	1.65E-02	1.69E-02	1.60E-02	4.65E-03	4.74E-03	9.38E-03	4.53E-03	4.62E-03	9.16E-03	4.47E-03	4.56E-03	9.04E-03
5558	476921.56, 3849569.11	0.09863	0.09914	1.55E-02	1.62E-02	1.46E-02	1.49E-02	1.41E-02	4.09E-03	4.11E-03	8.21E-03	3.99E-03	4.01E-03	8.01E-03	3.94E-03	3.96E-03	7.90E-03
5559	476521.19, 3849373.96	0.11875	0.11863	1.86E-02	1.94E-02	1.75E-02	1.80E-02	1.69E-02	4.93E-03	4.92E-03	9.85E-03	4.81E-03	4.80E-03	9.61E-03	4.74E-03	4.74E-03	9.48E-03
5560	476391.45, 3849333.38	0.12689	0.12728	1.99E-02	2.08E-02	1.87E-02	1.92E-02	1.81E-02	5.26E-03	5.28E-03	1.05E-02	5.14E-03	5.15E-03	1.03E-02	5.07E-03	5.08E-03	1.02E-02
5561	476219.41, 3849304.29	0.11066	0.11158	1.73E-02	1.82E-02	1.63E-02	1.67E-02	1.58E-02	4.59E-03	4.63E-03	9.22E-03	4.48E-03	4.52E-03	9.00E-03	4.42E-03	4.46E-03	8.88E-03
5562	475679.11, 3849218.47	0.08987	0.09007	1.41E-02	1.47E-02	1.33E-02	1.36E-02	1.28E-02	3.73E-03	3.74E-03	7.47E-03	3.64E-03	3.65E-03	7.28E-03	3.59E-03	3.60E-03	7.19E-03
5563	475677.71, 3849233.88	0.07195	0.0722	1.13E-02	1.18E-02	1.06E-02	1.09E-02	1.03E-02	2.99E-03	3.00E-03	5.98E-03	2.91E-03	2.92E-03	5.84E-03	2.87E-03	2.88E-03	5.76E-03
5564	475492.74, 3849204.66	0.05018	0.05052	7.86E-03	8.25E-03	7.41E-03	7.59E-03	7.15E-03	2.08E-03	2.10E-03	4.18E-03	2.03E-03	2.05E-03	4.08E-03	2.00E-03	2.02E-03	4.02E-03

5565 475497.64, 3849158.75	0.11814	0.11876	1.85E-02	1.94E-02	1.74E-02	1.79E-02	1.68E-02	4.90E-03	4.93E-03	9.83E-03	4.78E-03	4.81E-03	9.59E-03	4.72E-03	4.74E-03	9.46E-03
5566 475391.35, 3849141.94	0.09015	0.09054	1.41E-02	1.48E-02	1.33E-02	1.36E-02	1.29E-02	3.74E-03	3.76E-03	7.50E-03	3.65E-03	3.67E-03	7.32E-03	3.60E-03	3.62E-03	7.22E-03
5567 475277, 3849095.47	0.08702	0.08735	1.36E-02	1.43E-02	1.28E-02	1.32E-02	1.24E-02	3.61E-03	3.62E-03	7.23E-03	3.52E-03	3.54E-03	7.06E-03	3.48E-03	3.49E-03	6.97E-03
5568 475183.93, 3849025.66	0.11347	0.11437	1.78E-02	1.87E-02	1.67E-02	1.72E-02	1.62E-02	4.71E-03	4.74E-03	9.45E-03	4.59E-03	4.63E-03	9.22E-03	4.53E-03	4.57E-03	9.10E-03
5569 474453.23, 3848378.77	0.16207	0.16319	2.54E-02	2.66E-02	2.39E-02	2.45E-02	2.31E-02	6.72E-03	6.77E-03	1.35E-02	6.56E-03	6.61E-03	1.32E-02	6.47E-03	6.52E-03	1.30E-02
5570 474569.63, 3848399.34	0.34879	0.35155	5.46E-02	5.74E-02	5.15E-02	5.27E-02	4.97E-02	1.45E-02	1.46E-02	2.91E-02	1.41E-02	1.42E-02	2.84E-02	1.39E-02	1.40E-02	2.80E-02
5571 474644.33, 3848464.52	0.35379	0.35651	5.54E-02	5.82E-02	5.22E-02	5.35E-02	5.04E-02	1.47E-02	1.48E-02	2.95E-02	1.43E-02	1.44E-02	2.88E-02	1.41E-02	1.42E-02	2.84E-02
5572 474719.04, 3848529.7	0.361	0.36367	5.66E-02	5.94E-02	5.33E-02	5.46E-02	5.15E-02	1.50E-02	1.51E-02	3.01E-02	1.46E-02	1.47E-02	2.93E-02	1.44E-02	1.45E-02	2.89E-02
5573 474793.74, 3848594.88	0.36744	0.37005	5.76E-02	6.04E-02	5.42E-02	5.55E-02	5.24E-02	1.52E-02	1.54E-02	3.06E-02	1.49E-02	1.50E-02	2.99E-02	1.47E-02	1.48E-02	2.95E-02
5574 474868.45, 3848660.07	0.36949	0.37204	5.79E-02	6.07E-02	5.45E-02	5.59E-02	5.27E-02	1.53E-02	1.54E-02	3.08E-02	1.50E-02	1.51E-02	3.00E-02	1.48E-02	1.49E-02	2.96E-02
5575 474943.15, 3848725.25	0.37618	0.37866	5.89E-02	6.18E-02	5.55E-02	5.69E-02	5.36E-02	1.56E-02	1.57E-02	3.13E-02	1.52E-02	1.53E-02	3.06E-02	1.50E-02	1.51E-02	3.02E-02
5576 475017.86, 3848790.43	0.38867	0.39114	6.09E-02	6.38E-02	5.74E-02	5.88E-02	5.54E-02	1.61E-02	1.62E-02	3.24E-02	1.57E-02	1.58E-02	3.16E-02	1.55E-02	1.56E-02	3.12E-02
5577 475092.56, 3848855.61	0.39691	0.39939	6.22E-02	6.52E-02	5.86E-02	6.00E-02	5.66E-02	1.65E-02	1.66E-02	3.30E-02	1.61E-02	1.62E-02	3.22E-02	1.59E-02	1.60E-02	3.18E-02
5578 475232.58, 3848959.38	0.33456	0.33675	5.24E-02	5.50E-02	4.94E-02	5.06E-02	4.77E-02	1.39E-02	1.40E-02	2.79E-02	1.35E-02	1.36E-02	2.72E-02	1.34E-02	1.35E-02	2.68E-02
5579 475368.47, 3849029.98	0.34656	0.35161	5.43E-02	5.74E-02	5.11E-02	5.24E-02	4.94E-02	1.44E-02	1.46E-02	2.90E-02	1.40E-02	1.42E-02	2.83E-02	1.38E-02	1.40E-02	2.79E-02
5580 475609.57, 3849096.09	0.28852	0.29175	4.52E-02	4.76E-02	4.26E-02	4.36E-02	4.11E-02	1.20E-02	1.21E-02	2.41E-02	1.17E-02	1.18E-02	2.35E-02	1.15E-02	1.17E-02	2.32E-02
5581 475680.68, 3849116.62	0.33121	0.33687	5.19E-02	5.50E-02	4.89E-02	5.01E-02	4.72E-02	1.37E-02	1.40E-02	2.77E-02	1.34E-02	1.36E-02	2.70E-02	1.32E-02	1.35E-02	2.67E-02
5582 475843.76, 3849151.52	0.40925	0.41506	6.41E-02	6.77E-02	6.04E-02	6.19E-02	5.84E-02	1.70E-02	1.72E-02	3.42E-02	1.66E-02	1.68E-02	3.34E-02	1.63E-02	1.66E-02	3.29E-02
5583 475935.73, 3849165.89	0.37665	0.38055	5.90E-02	6.21E-02	5.56E-02	5.69E-02	5.37E-02	1.56E-02	1.58E-02	3.14E-02	1.52E-02	1.54E-02	3.07E-02	1.50E-02	1.52E-02	3.02E-02
5584 476027.7, 3849180.26	0.37637	0.37958	5.90E-02	6.20E-02	5.55E-02	5.69E-02	5.37E-02	1.56E-02	1.57E-02	3.14E-02	1.52E-02	1.54E-02	3.06E-02	1.50E-02	1.52E-02	3.02E-02
5585 476119.68, 3849194.64	0.39381	0.39617	6.17E-02	6.47E-02	5.81E-02	5.95E-02	5.62E-02	1.63E-02	1.64E-02	3.28E-02	1.59E-02	1.60E-02	3.20E-02	1.57E-02	1.58E-02	3.16E-02
5586 476211.65, 3849209.01	0.38965	0.39108	6.10E-02	6.38E-02	5.75E-02	5.89E-02	5.56E-02	1.62E-02	1.62E-02	3.24E-02	1.58E-02	1.58E-02	3.16E-02	1.56E-02	1.56E-02	3.12E-02
5587 476497.8, 3849283.9	0.50563	0.51738	7.92E-02	8.45E-02	7.46E-02	7.64E-02	7.21E-02	2.10E-02	2.15E-02	4.24E-02	2.05E-02	2.09E-02	4.14E-02	2.02E-02	2.07E-02	4.09E-02
5588 476603.73, 3849323.77	0.50358	0.51455	7.89E-02	8.40E-02	7.43E-02	7.61E-02	7.18E-02	2.09E-02	2.13E-02	4.22E-02	2.04E-02	2.08E-02	4.12E-02	2.01E-02	2.06E-02	4.07E-02
5589 476728.99, 3849382.76	0.46467	0.47273	7.28E-02	7.72E-02	6.86E-02	7.02E-02	6.63E-02	1.93E-02	1.96E-02	3.89E-02	1.88E-02	1.91E-02	3.80E-02	1.86E-02	1.89E-02	3.74E-02
5590 476801.27, 3849418.65	0.4644	0.47104	7.27E-02	7.69E-02	6.85E-02	7.02E-02	6.62E-02	1.93E-02	1.95E-02	3.88E-02	1.88E-02	1.91E-02	3.79E-02	1.86E-02	1.88E-02	3.74E-02
5591 476956.2, 3849495.05	0.46458	0.46913	7.28E-02	7.66E-02	6.86E-02	7.02E-02	6.62E-02	1.93E-02	1.95E-02	3.87E-02	1.88E-02	1.90E-02	3.78E-02	1.86E-02	1.87E-02	3.73E-02
5592 477038.84, 3849535.56	0.47092	0.4744	7.38E-02	7.74E-02	6.95E-02	7.12E-02	6.71E-02	1.95E-02	1.97E-02	3.92E-02	1.91E-02	1.92E-02	3.83E-02	1.88E-02	1.90E-02	3.78E-02
5593 477121.48, 3849576.08	0.469	0.47109	7.35E-02	7.69E-02	6.92E-02	7.09E-02	6.69E-02	1.95E-02	1.95E-02	3.90E-02	1.90E-02	1.91E-02	3.81E-02	1.87E-02	1.88E-02	3.76E-02
5594 477204.13, 3849616.6	0.47187	0.47254	7.39E-02	7.71E-02	6.96E-02	7.13E-02	6.73E-02	1.96E-02	1.96E-02	3.92E-02	1.91E-02	1.91E-02	3.82E-02	1.88E-02	1.89E-02	3.77E-02
5595 477286.78, 3849657.12	0.44374	0.44254	6.95E-02	7.22E-02	6.55E-02	6.71E-02	6.33E-02	1.84E-02	1.84E-02	3.68E-02	1.80E-02	1.79E-02	3.59E-02	1.77E-02	1.77E-02	3.54E-02
5596 477369.42, 3849697.63	0.47166	0.47039	7.39E-02	7.68E-02	6.96E-02	7.13E-02	6.73E-02	1.96E-02	1.95E-02	3.91E-02	1.91E-02	1.90E-02	3.81E-02	1.88E-02	1.88E-02	3.76E-02
5597 477452.07, 3849738.15	0.47189	0.46802	7.39E-02	7.64E-02	6.96E-02	7.13E-02	6.73E-02	1.96E-02	1.94E-02	3.90E-02	1.91E-02	1.89E-02	3.81E-02	1.89E-02	1.87E-02	3.75E-02
5598 477534.71, 3849778.67	0.48598	0.48192	7.61E-02	7.87E-02	7.17E-02	7.35E-02	6.93E-02	2.02E-02	2.00E-02	4.02E-02	1.97E-02	1.95E-02	3.92E-02	1.94E-02	1.93E-02	3.87E-02
5599 477617.35, 3849819.18	0.4842	0.47901	7.59E-02	7.82E-02	7.15E-02	7.32E-02	6.90E-02	2.01E-02	1.99E-02	4.00E-02	1.96E-02	1.94E-02	3.90E-02	1.93E-02	1.91E-02	3.85E-02
5600 477824.74, 3849896.37	0.31819	0.31547	4.98E-02	5.15E-02	4.70E-02	4.81E-02	4.54E-02	1.32E-02	1.31E-02	2.63E-02	1.29E-02	1.28E-02	2.57E-02	1.27E-02	1.26E-02	2.53E-02
5601 477906.31, 3849936.37	0.32783	0.32288	5.14E-02	5.27E-02	4.84E-02	4.96E-02	4.67E-02	1.36E-02	1.34E-02	2.70E-02	1.33E-02	1.31E-02	2.63E-02	1.31E-02	1.29E-02	2.60E-02
5602 477987.89, 3849976.36	0.3283	0.32391	5.14E-02	5.29E-02	4.85E-02	4.96E-02	4.68E-02	1.36E-02	1.34E-02	2.71E-02	1.33E-02	1.31E-02	2.64E-02	1.31E-02	1.29E-02	2.61E-02
5603 478069.47, 3850016.36	0.33201	0.32611	5.20E-02	5.32E-02	4.90E-02	5.02E-02	4.73E-02	1.38E-02	1.35E-02	2.73E-02	1.34E-02	1.32E-02	2.66E-02	1.33E-02	1.30E-02	2.63E-02
5604 478151.04, 3850056.35	0.33364	0.32687	5.23E-02	5.34E-02	4.92E-02	5.04E-02	4.76E-02	1.38E-02	1.36E-02	2.74E-02	1.35E-02	1.32E-02	2.67E-02	1.33E-02	1.31E-02	2.64E-02
5605 478232.62, 3850096.35	0.33709	0.32974	5.28E-02	5.38E-02	4.98E-02	5.10E-02	4.81E-02	1.40E-02	1.37E-02	2.77E-02	1.36E-02	1.33E-02	2.70E-02	1.35E-02	1.32E-02	2.66E-02
5606 478314.2, 3850136.34	0.33832	0.33021	5.30E-02	5.39E-02	4.99E-02	5.11E-02	4.82E-02	1.40E-02	1.37E-02	2.77E-02	1.37E-02	1.34E-02	2.71E-02	1.35E-02	1.32E-02	2.67E-02
5607 478395.77, 3850176.34	0.33923	0.33035	5.31E-02	5.39E-02	5.01E-02	5.13E-02	4.84E-02	1.41E-02	1.37E-02	2.78E-02	1.37E-02	1.34E-02	2.71E-02	1.36E-02	1.32E-02	2.67E-02
5608 478575.43, 3850244.45	0.25931	0.25308	4.06E-02	4.13E-02	3.83E-02	3.92E-02	3.70E-02	1.08E-02	1.05E-02	2.13E-02	1.05E-02	1.02E-02	2.07E-02	1.04E-02	1.01E-02	2.05E-02
5609 478665.06, 3850287.29	0.25655	0.25001	4.02E-02	4.08E-02	3.79E-02	3.88E-02	3.66E-02	1.06E-02	1.04E-02	2.10E-02	1.04E-02	1.01E-02	2.05E-02	1.02E-02	9.99E-03	2.02E-02
5610 478754.69, 3850330.14	0.25354	0.2467	3.97E-02	4.03E-02	3.74E-02	3.83E-02	3.62E-02	1.05E-02	1.02E-02	2.08E-02	1.03E-02	9.99E-03	2.03E-02	1.01E-02	9.85E-03	2.00E-02
5611 478844.32, 3850372.99	0.24869	0.24173	3.90E-02	3.95E-02	3.67E-02	3.76E-02	3.55E-02	1.03E-02	1.00E-02	2.03E-02	1.01E-02	9.79E-03	1.99E-02	9.93E-03	9.66E-03	1.96E-02
5612 478933.95, 3850415.84	0.24276	0.23607	3.80E-02	3.85E-02	3.58E-02	3.67E-02	3.46E-02	1.01E-02	9.79E-03	1.99E-02	9.83E-03	9.56E-03	1.94E-02	9.70E-03	9.43E-03	1.91E-02
5613 479023.58, 3850458.68	0.24573	0.23814	3.85E-02	3.89E-02	3.63E-02	3.71E-02	3.50E-02	1.02E-02	9.88E-03	2.01E-02	9.95E-03	9.64E-03	1.96E-02	9.82E-03	9.51E-03	1.93E-02
5614 479110.66, 3850441.9	0.13932	0.13708	2.18E-02	2.24E-02	2.06E-02	2.11E-02	1.99E-02	5.78E-03	5.69E-03	1.15E-02	5.64E-03	5.55E-03	1.12E-02	5.57E-03	5.48E-03	1.10E-02
5615 479191.22, 3850423.99	0.09777	0.09685	1.53E-02	1.58E-02	1.44E-02	1.48E-02	1.39E-02	4.06E-03	4.02E-03	8.07E-03	3.96E-03	3.92E-03	7.88E-03	3.91E-03	3.87E-03	7.77E-03
5616 479274.32, 3850465.71	0.09884	0.09781	1.55E-02	1.60E-02	1.46E-02	1.49E-02	1.41E-02	4.10E-03	4.06E-03	8.16E-03	4.00E-03	3.96E-03	7.96E-03	3.95E-03	3.91E-03	7.86E-03
5617 479357.43, 3850507.42	0.0998	0.09857	1.56E-02	1.61E-02	1.47E-02	1.51E-02	1.42E-02	4.14E-03	4.09E-03	8.23E-03	4.04E-03	3.99E-03	8.03E-03	3.99E-03	3.94E-03	7.92E-03
5618 479440.53, 3850549.14	0.09968	0.09831	1.56E-02	1.60E-02	1.47E-02	1.51E-02	1.42E-02	4.14E-03	4.08E-03	8.21E-03	4.04E-03	3.98E-03	8.02E-03	3.98E-03	3.93E-03	7.91E-03
5619 479523.64, 3850590.85	0.09984	0.09837	1.56E-02	1.61E-02	1.47E-02	1.51E-02	1.42E-02	4.14E-03	4.08E-03	8.22E-03	4.04E-03	3.98E-03	8.02E-03	3.99E-03	3.93E-03	7.92E-03
5620 479606.74, 3850632.57	0.10065	0.09909	1.58E-02	1.62E-02	1.49E-02	1.52E-02	1.44E-02	4.18E-03	4.11E-03	8.29E-03	4.07E-03	4.01E-03	8.09E-03	4.02E-03	3.96E-03	7.98E-03
5621 479777.37, 3850707.61	0.0958	0.09432	1.50E-02	1.54E-02	1.41E-02	1.45E-02	1.37E-02	3.97E-03	3.91E-03	7.89E-03	3.88E-03	3.82E-03	7.70E-03	3.83E-03	3.77E-03	7.59E-03
5622 479864.9, 3850740.95	0.0916	0.09027	1.43E-02	1.47E-02	1.35E-02	1.38E-02	1.31E-02	3.80E-03	3.75E-03	7.55E-03	3.71E-03	3.65E-03	7.36E-03	3.66E-03	3.61E-03	7.27E-03
5623 479931.87, 3850829.56	0.12709	0.12439	1.99E-02	2.03E-02	1.88E-02	1.92E-02	1.81E-02	5.27E-03	5.16E-03	1.04E-02	5.15E-03	5.04E-03	1.02E-02	5.08E-03	4.97E-03	1.00E-02
5624 479995.55, 3850926.75	0.22865	0.22134	3.58E-02	3.61E-02	3.37E-02	3.46E-02	3.26E-02	9.49E-03	9.18E-03	1.87E-02	9.26E-03	8.96E-03	1.82E-02	9.13E-03	8.84E-03	1.80E-02
5625 480079.78, 3850968.64	0.22775	0.22182	3.57E-02	3.62E-02	3.36E-02	3.44E-02	3.25E-02	9.45E-03	9.20E-03	1.87E-02	9.22E-03	8.98E-03	1.82E-02	9.10E-03	8.86E-03	1.80E-02
5626 480164.01, 3851010.54	0.22769	0.22318	3.57E-02	3.64E-02	3.36E-02	3.44E-02	3.25E-02	9.45E-03	9.26E-03	1.87E-02	9.22E-03	9.04E-03	1.83E-02	9.10E-03	8.92E-03	1.80E-02
5627 480248.23, 3851052.43	0.22625	0.2232	3.54E-02	3.64E-02	3.34E-02	3.42E-02	3.23E-02	9.39E-03	9.26E-03	1.86E-02	9.16E-03	9.04E-03	1.82E-02	9.04E-03	8.92E-03	1.80E-02
5628 480332.46, 3851094.33	0.22822	0.22614	3.58E-02	3.69E-02	3.37E-02	3.45E-02	3.25E-02	9.47E-03	9.38E-03	1.89E-02	9.24E-03	9.16E-03	1.84E-02	9.12E-03	9.03E-03	1.82E-02
5629 480416.69, 3851136.22	0.23256	0.23093	3.64E-02	3.77E-02	3.43E-02	3.52E-02	3.32E-02	9.65E-03	9.58E-03	1.92E-02	9.42E-03	9.35E-03	1.88E-02	9.29E-03	9.22E-03	1.85E-02
5630 480579.95, 3851215.17	0.22914	0.22936	3.59E-02	3.74E-02	3.38E-02	3.46E-02	3.27E-02	9.51E-03	9.52E-03	1.90E-02	9.28E-03	9.29E-03	1.86E-02	9.15E-03	9.16E-03	1.83E-02
5631 480658.98, 3851252.22	0.22407	0.22534	3.51E-02	3.68E-02	3.31E-02	3.39E-02	3.19E-02	9.30E-03	9.35E-03	1.86E-02	9.07E-03	9.12E-03	1.82E-02	8.95E-03	9.00E-03	1.80E-02
5632 480817.36, 3851327.85	0.21794	0.22108	3.41E-02	3.61E-02	3.22E-02	3.29E-02	3.11E-02	9.04E-03	9.17E-03	1.82E-02	8.82E-03	8.95E-03	1.78E-02	8.71E-03	8.83E-03	1.75E-02
5633 480896.71, 3851366.42	0.21624	0.22031	3.39E-02	3.60E-02	3.19E-02	3.27E-02	3.08E-02	8.97E-03	9.14E-03	1.81E-02	8.75E-03	8.92E-03	1.77E-02	8.64E-03	8.80E-03	1.74E-02
5634 480976.07, 3851405	0.21445	0.2194	3.36E-02	3.58E-02	3.17E-02	3.24E-02	3.06E-02	8.90E-03	9.10E-03	1.80E-02	8.68E-03	8.88E-03	1.76E-02	8.57E-03	8.76E-03	1.73E-02
5635 481178, 3851487.31	0.17257	0.17644	2.70E-02	2.88E-02	2.55E-02	2.61E-02	2.46E-02	7.16E-03	7.32E-03	1.45E-02	6.99E-03	7.14E-03	1.41E-02	6.89E-03	7.05E-03	1.39E-02
5636 481244.9, 3851557.17	0.21535	0.21729	3.37E-02	3.55E-02	3.18E-02	3.26E-02	3.07E-02	8.93E-03	9.01E-03	1.79E-02	8.72E-03	8.80E-03	1.75E-02	8.60E-03	8.68E-03	1.73E-02
5637 481311.81, 3851627.03	0.24711	0.24815	3.87E-02	4.05E-02	3.65E-02	3.74E-02	3.52E-02	1.03E-02	1.03E-02	2.05E-02	1.00E-02	1.00E-02	2.01E-02	9.87E-03	9.91E-03	1.98E-02
5638 481378.71, 3851696.89	0.2377	0.23774	3.72E-02	3.88E-02	3.51E-02	3.59E-02	3.39E-02	9.86E-03	9.86E-03	1.97E-02	9.62E-03	9.62E-03	1.92E-02	9.50E-03	9.50E-03	1.90E-02
5639 481445.61, 3851766.76	0.2349	0.23511	3.68E-02	3.84E-02	3.47E-02	3.55E-02	3.35E-02	9.75E-03	9.75E-03	1.95E-02	9.51E-03	9.52E-03	1.90E-02	9.38E-03	9.39E-03	1.88E-02
5640 481512.51, 3851836.62	0.23466	0.23483	3.68E-02	3.83E-02	3.46E-02	3.55E-02	3.35E-02	9.74E-03	9.74E-03	1.95E-02	9.50E-03	9.51E-03	1.90E-02	9.37E-03	9.38E-03	1.88E-02
5641 481579.42, 3851906.48	0.23312	0.23333	3.65E-02	3.81E-02	3.44E-02	3.52E-02	3.32E-02	9.67E-03	9.68E-03	1.94E-02	9.44E-03	9.45E-03	1.89E-02	9.31E-03	9.32E-03	1.86E-02
5642 481646.32, 3851976.34	0.23514	0.23524	3.68E-02	3.84E-02	3.47E-02	3.55E-02	3.35E-02	9.76E-03	9.76E-03	1.95E-02	9.52E-03	9.52E-03	1.90E-02	9.39E-03	9.40E-03	1.88E-02
5643 481713.22, 3852046.2	0.2335	0.23367	3.66E-02	3.81E-02	3.45E-02	3.53E-02	3.33E-02	9.69E-03	9.69E-03	1.94E-02	9.45E-03	9.46E-03	1.89E-02	9.33E-03	9.33E-03	1.87E-02
5644 481780.12, 3852116.06	0.23548	0.23564	3.69E-02	3.85E-02	3.48E-02	3.56E-02	3.36E-02	9.77E-03	9.78E-03	1.95E-02	9.53E-03	9.54E-03	1.91E-02	9.41E-03	9.41E-03	1.88E-02
5645 481847.03, 3852185.92	0.23876	0.23884	3.74E-02	3.90E-02	3.52E-02	3.61E-02	3.40E-02	9.91E-03	9.91E-03	1.98E-02	9.67E-03	9.67E-03	1.93E-02	9.54E-03	9.54E-03	1.91E-02
5646 481913.93, 3852255.78	0.2405	0.24063	3.77E-02	3.93E-02	3.55E-02	3.64E-02	3.43E-02	9.98E-03	9.98E-03	2.00E-02	9.74E-03	9.74E-03	1.95E-02	9.61E-03	9.61E-03	1.92E-02
5647 481980.83, 3852325.65	0.24338	0.24343	3.81E-02	3.97E-02	3.59E-02	3.68E-02	3.47E-02	1.01E-02	1.01E-02	2.02E-02	9.85E-03	9.86E-03	1.97E-02	9.72E-03	9.72E-03	1.94E-02
5648 482047.73, 3852395.51	0.24397	0.24434	3.82E-02	3.99E-02	3.60E-02	3.69E-02	3.48E-02	1.01E-02	1.01E-02	2.03E-02	9.88E-03	9.89E-03	1.98E-02	9.75E-03	9.76E-03	1.95E-02
5649 482114.64, 3852465.37	0.24416	0.2444	3.82E-02	3.99E-02	3.60E-02	3.69E-02	3.48E-02	1.01E-02	1.01E-02	2.03E-02	9.88E-03	9.89E-03	1.98E-02	9.75E-03	9.76E-03	1.95E-02
5650 482181.54, 3852535.23	0.24756	0.24778	3.88E-02	4.04E-02	3.65E-02	3.74E-02	3.53E-02	1.03E-02	1.03E-02	2.06E-02	1.00E-02	1.00E-02	2.01E-02	9.89E-03	9.90E-03	1.98E-02
5651 482338.69, 3852700.04	0.25317	0.25324	3.97E-02	4.13E-02	3.74E-02	3.83E-02	3.61E-02	1.05E-02	1.05E-02	2.10E-02	1.02E-02	1.03E-02	2.05E-02	1.01E-02	1.01E-02	2.02E-02
5652 482404.05, 3852767.78	0.2513	0.25157	3.94E-02	4.11E-02	3.71E-02	3.80E-02	3.58E-02	1.04E-02	1.04E-02	2.09E-02	1.02E-02	1.02E-02	2.04E-02	1.00E-02	1.00E-02	2.01E-02
5653 482469.4, 3852835.52	0.25288	0.25282	3.96E-02	4.13E-02	3.73E-02	3.82E-02	3.61E-02	1.05E-02	1.05E-02	2.10E-02	1.02E-02	1.02E-02	2.05E-02	1.01E-02	1.01E-02	2.02E-02
5654 482534.75, 3852903.25	0.25272	0.25252	3.96E-02	4.12E-02	3.73E-02	3.82E-02	3.60E-02	1.05E-02	1.05E-02	2.10E-02	1.02E-02	1.02E-02	2.05E-02	1.01E-02	1.01E-02	2.02E-02
5655 482600.11, 3852970.99	0.24662	0.24748	3.86E-02	4.04E-02	3.64E-02	3.73E-02	3.52E-02	1.02E-02	1.03E-02	2.05E-02	9.98E-03	1.00E-02	2.00E-02	9.85E-03	9.89E-03	1.97E-02
5656 482706.71, 3853119.28	0.19967	0.20257	3.13E-02	3.31E-02	2.95E-02	3.02E-02	2.85E-02	8.28E-03	8.40E-03	1.67E-02	8.08E-03	8.20E-03	1.63E-02	7.98E-03	8.09E-03	1.61E-02
5657 482747.96, 3853199.84	0.20263	0.20513	3.17E-02	3.35E-02	2.99E-02	3.06E-02	2.89E-02	8.41E-03	8.51E-03	1.69E-02	8.20E-03	8.30E-03	1.65E-02	8.09E-03	8.19E-03	1.63E-02
5658 482789.21, 3853280.4	0.19131	0.19628	3.00E-02	3.20E-02	2.82E-02	2.89E-02	2.73E-02	7.94E-03	8.14E-03	1.61E-02	7.75E-03	7.95E-03	1.57E-02	7.64E-03	7.84E-03	1.55E-02
5659 482830.46, 3853360.96	0.16135	0.17573	2.53E-02	2.87E-02	2.38E-02	2.44E-02	2.30E-02	6.69E-03	7.29E-03	1.40E-02	6.53E-03	7.11E-03	1.36E-02	6.45E-03	7.02E-03	1.35E-02
5660 482871.71, 3853441.52	0.13856	0.15868	2.17E-02	2.59E-02	2.04E-02	2.09E-02	1.98E-02	5.75E-03	6.58E-03	1.23E-02	5.61E-03	6.42E-03	1.20E-02	5.54E-03	6.34E-03	1.19E-02
5661 482912.95, 3853522.07	0.12088	0.14881	1.89E-02	2.43E-02	1.78E-02	1.83E-02	1.72E-02	5.02E-03	6.17E-03	1.12E-02	4.89E-03	6.02E-03	1.09E-02	4.83E-03	5.94E-03	1.08E-02
5662 482954.2, 3853602.63	0.09946	0.14199	1.56E-02	2.32E-02	1.47E-02	1.50E-02	1.42E-02	4.13E-03	5.89E-03	1.00E-02	4.03E-03	5.75E-03	9.77E-03	3.97E-03	5.67E-03	9.65E-03
5663 482995.45, 3853683.19	0.0832	0.13618	1.30E-02	2.22E-02	1.23E-02	1.26E-02	1.19E-02	3.45E-03	5.65E-03	9.10E-03	3.37E-03	5.51E-03	8.88E-03	3.32E-03	5.44E-03	8.76E-03
5664 483036.7, 3853763.75	0.07141	0.13134	1.12E-02	2.14E-02	1.05E-02	1.08E-02	1.02E-02	2.96E-03	5.45E-03	8.41E-03	2.89E-03	5.32E-03	8.21E-03	2.85E-03	5.25E-03	8.10E-03
5665 483214.2, 3853909.91	0.04012	0.07333	6.28E-03	1.20E-02	5.92E-03	6.06E-03	5.72E-03	1.66E-03	3.04E-03	4.71E-03	1.62E-03	2.97E-03	4.59E-03	1.60E-03	2.93E-03	4.53E-03
5666 483307.01, 3853910.44	0.03338	0.05693	5.23E-03	9.29E-03	4.93E-03	5.05E-03	4.76E-03	1.38E-03	2.36E-03	3.75E-03	1.35E-03	2.30E-03	3.66E-03	1.33E-03	2.27E-03	3.61E-03
5667 483399.83, 3853910.96	0.0284	0.04669	4.45E-03	7.62E-03	4.19E-03	4.29E-03	4.05E-03	1.18E-03	1.94E-03	3.12E-03	1.15E-03	1.89E-03	3.04E-03	1.13E-03	1.87E-03	3.00E-03
5668 483494.52, 3854009.24	0.02548	0.05166	3.99E-03	8.43E-03	3.76E-03	3.85E-03	3.63E-03	1.06E-03	2.14E-03	3.20E-03	1.03E-03	2.09E-03	3.12E-03	1.02E-03	2.06E-03	3.08E-03
5669 483496.41, 3854106.98	0.02607	0.07578	4.08E-03	1.24E-02	3.85E-03	3.94E-03	3.72E-03	1.08E-03	3.14E-03	4.23E-03	1.06E-03	3.07E-03	4.12E-03	1.04E-03	3.03E-03	4.07E-03
5670 483577.56, 3854261.96	0.0234	0.14008	3.67E-03	2.29E-02	3.45E-03	3.54E-03	3.34E-03	9.71E-04	5.81E-03	6.78E-03	9.47E-04	5.67E-03	6.62E-03	9.35E-04	5.60E-03	6.53E-03
5671 483656.83, 3854319.19	0.02108	0.14923	3.30E-03	2.44E-02	3.11E-03	3.19E-03	3.01E-03	8.75E-04	6.19E-03	7.07E-03	8.53E-04	6.04E-03	6.89E-03	8.42E-04	5.96E-03	6.80E-03
5672 483736.1, 3854376.41	0.01919	0.15857	3.01E-03	2.59E-02	2.83E-03	2.90E-03	2.74E-03	7.96E-04	6.58E-03	7.37E-03	7.77E-04	6.42E-03	7.20E-03	7.67E-04	6.33E-03	7.10E-03
5673 483815.36, 3854433.64	0.0177	0.17043	2.77E-03	2.78E-02	2.61E-03	2.68E-03	2.52E-03	7.34E-04	7.07E-03	7.81E-03	7.17E-04	6.90E-03	7.62E-03	7.07E-04	6.81E-03	7.52E-03
5674 483894.63, 3854490.87	0.01646	0.18379	2.58E-03	3.00E-02	2.43E-03	2.49E-03	2.35E-03	6.83E-04	7.63E-03	8.31E-03	6.66E-04	7.44E-03	8.11E-03	6.58E-04	7.34E-03	8.00E-03
5675 483973.9, 3854548.09	0.0155	0.19743	2.43E-03	3.22E-02	2.29E-03	2.34E-03	2.21E-03	6.43E-04	8.19E-03	8.83E-03	6.28E-04	7.99E-03	8.62E-03	6.19E-04	7.89E-03	8.51E-03
5676 484053.17, 3854605.32	0.01492	0.21841	2.34E-03	3.57E-02	2.20E-03	2.26E-03	2.13E-03	6.19E-04	9.06E-03	9.68E-03	6.04E-04	8.84E-03	9.45E-03	5.96E-04	8.72E-03	9.32E-03
5677 484214.97, 3854698.15	0.01399	0.22546	2.19E-03	3.68E-02	2.06E-03	2.11E-03	1.99E-03	5.80E-04	9.35E-03	9.93E-03	5.66E-04	9.13E-03	9.69E-03	5.59E-04	9.01E-03	9.57E-03
5678 484297.5, 3854733.74	0.01383	0.22934	2.17E-03	3.74E-02	2.04E-03	2.09E-03	1.97E-03	5.74E-04	9.51E-03	1.01E-02	5.60E-04	9.28E-03	9.84E-03	5.52E-04	9.16E-03	9.71E-03
5679 484380.03, 3854769.34	0.01347	0.22521	2.11E-03	3.68E-02	1.99E-03	2.04E-03	1.92E-03	5.59E-04	9.34E-03	9.90E-03	5.45E-04	9.12E-03	9.66E-03	5.38E-04	9.00E-03	9.53E-03
5680 484462.56, 3854804.94	0.01338	0.22394	2.10E-03	3.66E-02	1.97E-03	2.02E-03	1.91E-03	5.55E-04	9.29E-03	9.85E-03	5.42E-04	9.07E-03	9.61E-03	5.34E-04	8.95E-03	9.48E-03

5681	484545.09, 3854840.53	0.01304	0.21531	2.04E-03	3.51E-02	1.92E-03	1.97E-03	1.86E-03	5.41E-04	8.93E-03	9.47E-03	5.28E-04	8.72E-03	9.24E-03	5.21E-04	8.60E-03	9.12E-03
5682	484691.88, 3854912.58	0.01305	0.22635	2.04E-03	3.69E-02	1.93E-03	1.97E-03	1.86E-03	5.41E-04	9.39E-03	9.93E-03	5.28E-04	9.16E-03	9.69E-03	5.21E-04	9.04E-03	9.56E-03
5683	484830.81, 3855012.51	0.01324	0.19117	2.07E-03	3.12E-02	1.95E-03	2.00E-03	1.89E-03	5.49E-04	7.93E-03	8.48E-03	5.36E-04	7.74E-03	8.28E-03	5.29E-04	7.64E-03	8.17E-03
5684	484905.48, 3855075.97	0.01375	0.17665	2.15E-03	2.88E-02	2.03E-03	2.08E-03	1.96E-03	5.70E-04	7.33E-03	7.90E-03	5.57E-04	7.15E-03	7.71E-03	5.49E-04	7.06E-03	7.61E-03
5685	484980.14, 3855139.44	0.01404	0.16738	2.20E-03	2.73E-02	2.07E-03	2.12E-03	2.00E-03	5.82E-04	6.94E-03	7.53E-03	5.68E-04	6.78E-03	7.34E-03	5.61E-04	6.69E-03	7.25E-03
5686	485054.81, 3855202.91	0.01414	0.1581	2.22E-03	2.58E-02	2.09E-03	2.14E-03	2.02E-03	5.87E-04	6.56E-03	7.15E-03	5.72E-04	6.40E-03	6.97E-03	5.65E-04	6.32E-03	6.88E-03
5687	485129.48, 3855266.37	0.01398	0.14654	2.19E-03	2.39E-02	2.06E-03	2.11E-03	1.99E-03	5.80E-04	6.08E-03	6.66E-03	5.66E-04	5.93E-03	6.50E-03	5.58E-04	5.85E-03	6.41E-03
5688	485204.15, 3855329.84	0.01431	0.14434	2.24E-03	2.36E-02	2.11E-03	2.16E-03	2.04E-03	5.94E-04	5.99E-03	6.58E-03	5.79E-04	5.84E-03	6.42E-03	5.72E-04	5.77E-03	6.34E-03
5689	485278.82, 3855393.31	0.01437	0.13715	2.25E-03	2.24E-02	2.12E-03	2.17E-03	2.05E-03	5.96E-04	5.69E-03	6.29E-03	5.82E-04	5.55E-03	6.13E-03	5.74E-04	5.48E-03	6.05E-03
5690	485353.48, 3855456.77	0.01458	0.13197	2.28E-03	2.15E-02	2.15E-03	2.20E-03	2.08E-03	6.05E-04	5.48E-03	6.08E-03	5.90E-04	5.34E-03	5.93E-03	5.82E-04	5.27E-03	5.85E-03
5691	485428.15, 3855520.24	0.01464	0.12558	2.29E-03	2.05E-02	2.16E-03	2.21E-03	2.09E-03	6.07E-04	5.21E-03	5.82E-03	5.93E-04	5.08E-03	5.68E-03	5.85E-04	5.02E-03	5.60E-03
5692	485502.82, 3855583.71	0.01474	0.12056	2.31E-03	1.97E-02	2.18E-03	2.23E-03	2.10E-03	6.12E-04	5.00E-03	5.61E-03	5.97E-04	4.88E-03	5.48E-03	5.89E-04	4.82E-03	5.40E-03
5693	485577.49, 3855647.17	0.01506	0.11753	2.36E-03	1.92E-02	2.22E-03	2.28E-03	2.15E-03	6.25E-04	4.88E-03	5.50E-03	6.10E-04	4.76E-03	5.37E-03	6.02E-04	4.69E-03	5.30E-03
5694	485652.16, 3855710.64	0.01538	0.11429	2.41E-03	1.87E-02	2.27E-03	2.32E-03	2.19E-03	6.38E-04	4.74E-03	5.38E-03	6.23E-04	4.63E-03	5.25E-03	6.14E-04	4.57E-03	5.18E-03
5695	485726.83, 3855774.1	0.01547	0.10967	2.42E-03	1.79E-02	2.28E-03	2.34E-03	2.21E-03	6.42E-04	4.55E-03	5.19E-03	6.26E-04	4.44E-03	5.07E-03	6.18E-04	4.38E-03	5.00E-03
5696	485801.49, 3855837.57	0.01544	0.10476	2.42E-03	1.71E-02	2.28E-03	2.33E-03	2.20E-03	6.41E-04	4.35E-03	4.99E-03	6.25E-04	4.24E-03	4.87E-03	6.17E-04	4.18E-03	4.80E-03
5697	485876.16, 3855901.04	0.01551	0.10165	2.43E-03	1.66E-02	2.29E-03	2.34E-03	2.21E-03	6.43E-04	4.22E-03	4.86E-03	6.28E-04	4.12E-03	4.74E-03	6.20E-04	4.06E-03	4.68E-03
5698	485950.83, 3855964.5	0.01549	0.09843	2.43E-03	1.61E-02	2.29E-03	2.34E-03	2.21E-03	6.43E-04	4.08E-03	4.73E-03	6.27E-04	3.98E-03	4.61E-03	6.19E-04	3.93E-03	4.55E-03
5699	486025.5, 3856027.97	0.01533	0.09444	2.40E-03	1.54E-02	2.26E-03	2.32E-03	2.19E-03	6.36E-04	3.92E-03	4.55E-03	6.21E-04	3.82E-03	4.44E-03	6.12E-04	3.77E-03	4.38E-03
5700	486100.17, 3856091.44	0.01573	0.09412	2.46E-03	1.54E-02	2.32E-03	2.38E-03	2.24E-03	6.53E-04	3.90E-03	4.56E-03	6.37E-04	3.81E-03	4.45E-03	6.28E-04	3.76E-03	4.39E-03
5701	486174.83, 3856154.9	0.0155	0.08954	2.43E-03	1.46E-02	2.29E-03	2.34E-03	2.21E-03	6.43E-04	3.71E-03	4.36E-03	6.28E-04	3.62E-03	4.25E-03	6.19E-04	3.58E-03	4.20E-03
5702	486249.5, 3856218.37	0.01496	0.08397	2.34E-03	1.37E-02	2.21E-03	2.26E-03	2.13E-03	6.21E-04	3.48E-03	4.10E-03	6.06E-04	3.40E-03	4.01E-03	5.98E-04	3.35E-03	3.95E-03
5703	486324.17, 3856281.84	0.0146	0.08155	2.29E-03	1.33E-02	2.15E-03	2.21E-03	2.08E-03	6.06E-04	3.38E-03	3.99E-03	5.91E-04	3.30E-03	3.89E-03	5.83E-04	3.26E-03	3.84E-03
5704	486398.84, 3856345.3	0.01477	0.08237	2.31E-03	1.34E-02	2.18E-03	2.23E-03	2.11E-03	6.13E-04	3.42E-03	4.03E-03	5.98E-04	3.33E-03	3.93E-03	5.90E-04	3.29E-03	3.88E-03
5705	486473.51, 3856408.77	0.0148	0.08082	2.32E-03	1.32E-02	2.18E-03	2.24E-03	2.11E-03	6.14E-04	3.35E-03	3.97E-03	5.99E-04	3.27E-03	3.87E-03	5.91E-04	3.23E-03	3.82E-03
5706	486548.17, 3856472.24	0.015	0.08013	2.35E-03	1.31E-02	2.21E-03	2.27E-03	2.14E-03	6.22E-04	3.32E-03	3.95E-03	6.07E-04	3.24E-03	3.85E-03	5.99E-04	3.20E-03	3.80E-03
5707	486622.84, 3856535.7	0.01522	0.07894	2.38E-03	1.29E-02	2.25E-03	2.30E-03	2.17E-03	6.31E-04	3.28E-03	3.91E-03	6.16E-04	3.20E-03	3.81E-03	6.08E-04	3.15E-03	3.76E-03
5708	486765.48, 3856659.69	0.01583	0.07557	2.48E-03	1.23E-02	2.34E-03	2.39E-03	2.26E-03	6.57E-04	3.14E-03	3.79E-03	6.41E-04	3.06E-03	3.70E-03	6.32E-04	3.02E-03	3.65E-03
5709	486833.44, 3856720.2	0.01608	0.07454	2.52E-03	1.22E-02	2.37E-03	2.43E-03	2.29E-03	6.67E-04	3.09E-03	3.76E-03	6.51E-04	3.02E-03	3.67E-03	6.42E-04	2.98E-03	3.62E-03
5710	486901.41, 3856780.72	0.01642	0.07339	2.57E-03	1.20E-02	2.42E-03	2.48E-03	2.34E-03	6.81E-04	3.04E-03	3.73E-03	6.65E-04	2.97E-03	3.64E-03	6.56E-04	2.93E-03	3.59E-03
5711	486969.38, 3856841.24	0.01672	0.07252	2.62E-03	1.18E-02	2.47E-03	2.53E-03	2.38E-03	6.94E-04	3.01E-03	3.70E-03	6.77E-04	2.94E-03	3.61E-03	6.68E-04	2.90E-03	3.56E-03
5712	487037.34, 3856901.75	0.01702	0.07177	2.67E-03	1.17E-02	2.51E-03	2.57E-03	2.43E-03	7.06E-04	2.98E-03	3.68E-03	6.89E-04	2.91E-03	3.59E-03	6.80E-04	2.87E-03	3.55E-03
5713	487271.23, 3856855.51	0.01507	0.0399	2.36E-03	6.51E-03	2.22E-03	2.28E-03	2.15E-03	6.25E-04	1.66E-03	2.28E-03	6.10E-04	1.62E-03	2.23E-03	6.02E-04	1.59E-03	2.20E-03
5714	487368.95, 3856857.29	0.01459	0.03489	2.29E-03	5.70E-03	2.15E-03	2.21E-03	2.08E-03	6.05E-04	1.45E-03	2.05E-03	5.91E-04	1.41E-03	2.00E-03	5.83E-04	1.39E-03	1.98E-03
5715	487466.68, 3856859.06	0.0142	0.03107	2.22E-03	5.07E-03	2.10E-03	2.15E-03	2.02E-03	5.89E-04	1.29E-03	1.88E-03	5.75E-04	1.26E-03	1.83E-03	5.67E-04	1.24E-03	1.81E-03
5716	487636.44, 3856930	0.01407	0.02809	2.20E-03	4.59E-03	2.08E-03	2.13E-03	2.01E-03	5.84E-04	1.17E-03	1.75E-03	5.70E-04	1.14E-03	1.71E-03	5.62E-04	1.12E-03	1.68E-03
5717	487709.57, 3856928.43	0.01379	0.02614	2.16E-03	4.27E-03	2.04E-03	2.08E-03	1.97E-03	5.72E-04	1.08E-03	1.66E-03	5.58E-04	1.06E-03	1.62E-03	5.51E-04	1.04E-03	1.60E-03
5718	487782.55, 3856841.96	0.01287	0.02278	2.02E-03	3.72E-03	1.90E-03	1.95E-03	1.84E-03	5.34E-04	9.45E-04	1.48E-03	5.21E-04	9.22E-04	1.44E-03	5.14E-04	9.10E-04	1.42E-03
5719	487849.83, 3856754.74	0.01211	0.02034	1.90E-03	3.32E-03	1.79E-03	1.83E-03	1.73E-03	5.02E-04	8.44E-04	1.35E-03	4.90E-04	8.23E-04	1.31E-03	4.84E-04	8.13E-04	1.30E-03
5720	487918.03, 3856819.39	0.01237	0.02034	1.94E-03	3.32E-03	1.83E-03	1.87E-03	1.76E-03	5.13E-04	8.44E-04	1.36E-03	5.01E-04	8.23E-04	1.32E-03	4.94E-04	8.13E-04	1.31E-03
5721	487918.8, 3856886.37	0.01282	0.02131	2.01E-03	3.48E-03	1.89E-03	1.94E-03	1.83E-03	5.32E-04	8.84E-04	1.42E-03	5.19E-04	8.63E-04	1.38E-03	5.12E-04	8.51E-04	1.36E-03
5722	488065.46, 3857127.5	0.014	0.02309	2.19E-03	3.77E-03	2.07E-03	2.12E-03	2.00E-03	5.81E-04	9.58E-04	1.54E-03	5.67E-04	9.35E-04	1.50E-03	5.59E-04	9.22E-04	1.48E-03
5723	488192.19, 3857385.83	0.01616	0.02608	2.53E-03	4.26E-03	2.39E-03	2.44E-03	2.30E-03	6.70E-04	1.08E-03	1.75E-03	6.54E-04	1.06E-03	1.71E-03	6.46E-04	1.04E-03	1.69E-03
5724	488191.21, 3857473.87	0.01737	0.02854	2.72E-03	4.66E-03	2.56E-03	2.63E-03	2.48E-03	7.21E-04	1.18E-03	1.90E-03	7.03E-04	1.16E-03	1.86E-03	6.94E-04	1.14E-03	1.83E-03
5725	488190.24, 3857561.9	0.01878	0.03157	2.94E-03	5.15E-03	2.77E-03	2.84E-03	2.68E-03	7.79E-04	1.31E-03	2.09E-03	7.60E-04	1.28E-03	2.04E-03	7.50E-04	1.26E-03	2.01E-03
5726	488158.35, 3857691.13	0.02153	0.03939	3.37E-03	6.43E-03	3.18E-03	3.25E-03	3.07E-03	8.93E-04	1.63E-03	2.53E-03	8.72E-04	1.59E-03	2.47E-03	8.60E-04	1.57E-03	2.43E-03
5727	488208.37, 3857816.66	0.02409	0.04498	3.77E-03	7.34E-03	3.56E-03	3.64E-03	3.43E-03	9.99E-04	1.87E-03	2.87E-03	9.75E-04	1.82E-03	2.80E-03	9.62E-04	1.80E-03	2.76E-03
5728	488271.97, 3857874.6	0.02495	0.04476	3.91E-03	7.31E-03	3.68E-03	3.77E-03	3.56E-03	1.04E-03	1.86E-03	2.89E-03	1.01E-03	1.81E-03	2.82E-03	9.97E-04	1.79E-03	2.78E-03
5729	488463.56, 3857942.31	0.02447	0.03741	3.83E-03	6.11E-03	3.61E-03	3.70E-03	3.49E-03	1.02E-03	1.55E-03	2.57E-03	9.91E-04	1.51E-03	2.51E-03	9.78E-04	1.49E-03	2.47E-03
5730	488554.83, 3857940.83	0.02326	0.03327	3.64E-03	5.43E-03	3.43E-03	3.52E-03	3.32E-03	9.65E-04	1.38E-03	2.35E-03	9.42E-04	1.35E-03	2.29E-03	9.29E-04	1.33E-03	2.26E-03
5731	488646.1, 3857939.36	0.02217	0.03	3.47E-03	4.90E-03	3.27E-03	3.35E-03	3.16E-03	9.20E-04	1.24E-03	2.16E-03	8.98E-04	1.21E-03	2.11E-03	8.86E-04	1.20E-03	2.08E-03
5732	488737.37, 3857937.88	0.02116	0.02738	3.31E-03	4.47E-03	3.12E-03	3.20E-03	3.02E-03	8.78E-04	1.14E-03	2.01E-03	8.57E-04	1.11E-03	1.97E-03	8.45E-04	1.09E-03	1.94E-03
5733	488733.59, 3857960.57	0.02167	0.02811	3.39E-03	4.59E-03	3.20E-03	3.28E-03	3.09E-03	8.99E-04	1.17E-03	2.07E-03	8.77E-04	1.14E-03	2.02E-03	8.66E-04	1.12E-03	1.99E-03
5734	488638.09, 3857961.57	0.02277	0.03103	3.57E-03	5.06E-03	3.36E-03	3.44E-03	3.25E-03	9.45E-04	1.29E-03	2.23E-03	9.22E-04	1.26E-03	2.18E-03	9.10E-04	1.24E-03	2.15E-03
5735	488542.6, 3857962.56	0.024	0.03476	3.76E-03	5.67E-03	3.54E-03	3.63E-03	3.42E-03	9.96E-04	1.44E-03	2.44E-03	9.72E-04	1.41E-03	2.38E-03	9.59E-04	1.39E-03	2.35E-03
5736	488447.1, 3857963.56	0.02533	0.03956	3.97E-03	6.46E-03	3.74E-03	3.83E-03	3.61E-03	1.05E-03	1.64E-03	2.69E-03	1.03E-03	1.60E-03	2.63E-03	1.01E-03	1.58E-03	2.59E-03
5737	488254.28, 3857890.36	0.02571	0.0476	4.03E-03	7.77E-03	3.79E-03	3.89E-03	3.67E-03	1.07E-03	1.97E-03	3.04E-03	1.04E-03	1.93E-03	2.97E-03	1.03E-03	1.90E-03	2.93E-03
5738	488191.69, 3857833.06	0.02476	0.04779	3.88E-03	7.80E-03	3.65E-03	3.74E-03	3.53E-03	1.03E-03	1.98E-03	3.01E-03	1.00E-03	1.93E-03	2.94E-03	9.89E-04	1.91E-03	2.90E-03
5739	488129.5, 3857907.43	0.02843	0.06509	4.45E-03	1.06E-02	4.20E-03	4.30E-03	4.05E-03	1.18E-03	2.70E-03	3.88E-03	1.15E-03	2.64E-03	3.79E-03	1.14E-03	2.60E-03	3.74E-03
5740	488196.47, 3857968.73	0.02976	0.06472	4.66E-03	1.06E-02	4.39E-03	4.50E-03	4.24E-03	1.23E-03	2.69E-03	3.92E-03	1.20E-03	2.62E-03	3.82E-03	1.19E-03	2.59E-03	3.77E-03
5741	488263.44, 3858030.04	0.03111	0.06397	4.87E-03	1.04E-02	4.59E-03	4.70E-03	4.44E-03	1.29E-03	2.65E-03	3.94E-03	1.26E-03	2.59E-03	3.85E-03	1.24E-03	2.56E-03	3.80E-03
5742	488400.64, 3858132.9	0.03304	0.05962	5.18E-03	9.73E-03	4.88E-03	4.99E-03	4.71E-03	1.37E-03	2.47E-03	3.84E-03	1.34E-03	2.41E-03	3.75E-03	1.32E-03	2.38E-03	3.70E-03
5743	488519.89, 3858218.38	0.03538	0.05781	5.54E-03	9.44E-03	5.22E-03	5.35E-03	5.04E-03	1.47E-03	2.40E-03	3.87E-03	1.43E-03	2.34E-03	3.77E-03	1.41E-03	2.31E-03	3.72E-03
5744	488647.97, 3858214.99	0.03156	0.04484	4.94E-03	7.32E-03	4.66E-03	4.77E-03	4.50E-03	1.31E-03	1.86E-03	3.17E-03	1.28E-03	1.82E-03	3.09E-03	1.26E-03	1.79E-03	3.05E-03
5745	488727.05, 3858167.67	0.02781	0.03687	4.36E-03	6.02E-03	4.10E-03	4.20E-03	3.97E-03	1.15E-03	1.53E-03	2.68E-03	1.13E-03	1.49E-03	2.62E-03	1.11E-03	1.47E-03	2.58E-03
5746	488806.12, 3858120.35	0.02488	0.03146	3.90E-03	5.14E-03	3.67E-03	3.76E-03	3.55E-03	1.03E-03	1.31E-03	2.34E-03	1.01E-03	1.27E-03	2.28E-03	9.94E-04	1.26E-03	2.25E-03
5747	488885.2, 3858073.03	0.02254	0.0275	3.53E-03	4.49E-03	3.33E-03	3.41E-03	3.21E-03	9.35E-04	1.14E-03	2.08E-03	9.13E-04	1.11E-03	2.03E-03	9.00E-04	1.10E-03	2.00E-03
5748	489055.76, 3857991.17	0.01909	0.02212	2.99E-03	3.61E-03	2.82E-03	2.89E-03	2.72E-03	7.92E-04	9.18E-04	1.71E-03	7.73E-04	8.96E-04	1.67E-03	7.63E-04	8.84E-04	1.65E-03
5749	489245.39, 3857944.54	0.01686	0.01886	2.64E-03	3.08E-03	2.49E-03	2.55E-03	2.40E-03	6.99E-04	7.82E-04	1.48E-03	6.83E-04	7.64E-04	1.45E-03	6.74E-04	7.53E-04	1.43E-03
5750	489430.63, 3857930.91	0.01559	0.01693	2.44E-03	2.76E-03	2.30E-03	2.36E-03	2.22E-03	6.47E-04	7.02E-04	1.35E-03	6.31E-04	6.85E-04	1.32E-03	6.23E-04	6.76E-04	1.30E-03
5751	489517.74, 3857929.36	0.0151	0.01621	2.37E-03	2.65E-03	2.23E-03	2.28E-03	2.15E-03	6.26E-04	6.73E-04	1.30E-03	6.11E-04	6.56E-04	1.27E-03	6.03E-04	6.48E-04	1.25E-03
5752	489604.85, 3857927.82	0.01462	0.01554	2.29E-03	2.54E-03	2.16E-03	2.21E-03	2.08E-03	6.07E-04	6.45E-04	1.25E-03	5.92E-04	6.29E-04	1.22E-03	5.84E-04	6.21E-04	1.20E-03
5753	489691.97, 3857926.28	0.0142	0.01495	2.22E-03	2.44E-03	2.10E-03	2.15E-03	2.02E-03	5.89E-04	6.20E-04	1.21E-03	5.75E-04	6.05E-04	1.18E-03	5.67E-04	5.97E-04	1.16E-03
5754	489779.08, 3857924.73	0.01379	0.0144	2.16E-03	2.35E-03	2.04E-03	2.08E-03	1.97E-03	5.72E-04	5.97E-04	1.17E-03	5.58E-04	5.83E-04	1.14E-03	5.51E-04	5.75E-04	1.13E-03
5755	490017.55, 3857875.08	0.01248	0.01285	1.96E-03	2.10E-03	1.84E-03	1.89E-03	1.78E-03	5.18E-04	5.33E-04	1.05E-03	5.05E-04	5.20E-04	1.03E-03	4.99E-04	5.13E-04	1.01E-03
5756	490033.82, 3857960.81	0.01307	0.01328	2.05E-03	2.17E-03	1.93E-03	1.98E-03	1.86E-03	5.42E-04	5.51E-04	1.09E-03	5.29E-04	5.38E-04	1.07E-03	5.22E-04	5.30E-04	1.05E-03
5757	489959.15, 3857987.49	0.01362	0.01386	2.13E-03	2.26E-03	2.01E-03	2.06E-03	1.94E-03	5.65E-04	5.75E-04	1.14E-03	5.51E-04	5.61E-04	1.11E-03	5.44E-04	5.54E-04	1.10E-03
5758	489791.49, 3858016.12	0.0145	0.01495	2.27E-03	2.44E-03	2.14E-03	2.19E-03	2.07E-03	6.02E-04	6.20E-04	1.22E-03	5.87E-04	6.05E-04	1.19E-03	5.79E-04	5.97E-04	1.18E-03
5759	489698.51, 3858018.07	0.01499	0.0156	2.35E-03	2.55E-03	2.21E-03	2.27E-03	2.14E-03	6.22E-04	6.47E-04	1.27E-03	6.07E-04	6.32E-04	1.24E-03	5.99E-04	6.23E-04	1.22E-03
5760	489605.52, 3858020.01	0.01553	0.01632	2.43E-03	2.66E-03	2.29E-03	2.35E-03	2.21E-03	6.44E-04	6.77E-04	1.32E-03	6.29E-04	6.61E-04	1.29E-03	6.20E-04	6.52E-04	1.27E-03
5761	489512.53, 3858021.96	0.0161	0.01711	2.52E-03	2.79E-03	2.38E-03	2.43E-03	2.30E-03	6.68E-04	7.10E-04	1.38E-03	6.52E-04	6.93E-04	1.34E-03	6.43E-04	6.83E-04	1.33E-03
5762	489419.55, 3858023.91	0.01674	0.01801	2.62E-03	2.94E-03	2.47E-03	2.53E-03	2.39E-03	6.95E-04	7.47E-04	1.44E-03	6.78E-04	7.29E-04	1.41E-03	6.69E-04	7.19E-04	1.39E-03
5763	489228.47, 3858041.29	0.01826	0.0203	2.86E-03	3.31E-03	2.69E-03	2.76E-03	2.60E-03	7.58E-04	8.42E-04	1.60E-03	7.39E-04	8.22E-04	1.56E-03	7.29E-04	8.11E-04	1.54E-03
5764	489065.75, 3858085.78	0.02066	0.02373	3.24E-03	3.87E-03	3.05E-03	3.12E-03	2.95E-03	8.57E-04	9.85E-04	1.84E-03	8.36E-04	9.61E-04	1.80E-03	8.25E-04	9.48E-04	1.77E-03
5765	489001.12, 3858114.86	0.02201	0.02573	3.45E-03	4.20E-03	3.25E-03	3.33E-03	3.14E-03	9.13E-04	1.07E-03	1.98E-03	8.91E-04	1.04E-03	1.93E-03	8.79E-04	1.03E-03	1.91E-03
5766	488861.89, 3858189.81	0.02592	0.03205	4.06E-03	5.23E-03	3.83E-03	3.92E-03	3.70E-03	1.08E-03	1.33E-03	2.41E-03	1.05E-03	1.30E-03	2.35E-03	1.04E-03	1.28E-03	2.32E-03
5767	488787.29, 3858235.69	0.02917	0.03754	4.57E-03	6.13E-03	4.31E-03	4.41E-03	4.16E-03	1.21E-03	1.56E-03	2.77E-03	1.18E-03	1.52E-03	2.70E-03	1.17E-03	1.50E-03	2.66E-03
5768	488712.68, 3858281.57	0.03305	0.04525	5.18E-03	7.39E-03	4.88E-03	5.00E-03	4.71E-03	1.37E-03	1.88E-03	3.25E-03	1.34E-03	1.83E-03	3.17E-03	1.32E-03	1.81E-03	3.13E-03
5769	488654.39, 3858436.17	0.04771	0.0753	7.47E-03	1.23E-02	7.04E-03	7.21E-03	6.80E-03	1.98E-03	3.12E-03	5.10E-03	1.93E-03	3.05E-03	4.98E-03	1.91E-03	3.01E-03	4.91E-03
5770	488726.3, 3858505.26	0.05142	0.07595	8.06E-03	1.24E-02	7.59E-03	7.77E-03	7.33E-03	2.13E-03	3.15E-03	5.28E-03	2.08E-03	3.07E-03	5.16E-03	2.05E-03	3.03E-03	5.09E-03
5771	488880.6, 3858599.28	0.05267	0.06621	8.25E-03	1.08E-02	7.77E-03	7.96E-03	7.51E-03	2.19E-03	2.75E-03	4.93E-03	2.13E-03	2.68E-03	4.81E-03	2.10E-03	2.64E-03	4.75E-03
5772	489008.06, 3858714.75	0.05993	0.06981	9.39E-03	1.14E-02	8.84E-03	9.06E-03	8.55E-03	2.49E-03	2.90E-03	5.38E-03	2.43E-03	2.83E-03	5.25E-03	2.39E-03	2.79E-03	5.18E-03
5773	489071.48, 3858772.72	0.06442	0.07369	1.01E-02	1.20E-02	9.51E-03	9.74E-03	9.19E-03	2.67E-03	3.06E-03	5.73E-03	2.61E-03	2.98E-03	5.59E-03	2.57E-03	2.94E-03	5.52E-03
5774	489244.59, 3858920.19	0.07796	0.08341	1.22E-02	1.36E-02	1.15E-02	1.18E-02	1.11E-02	3.23E-03	3.46E-03	6.69E-03	3.16E-03	3.38E-03	6.53E-03	3.11E-03	3.33E-03	6.45E-03
5775	489239.69, 3858952.23	0.09079	0.09792	1.42E-02	1.60E-02	1.34E-02	1.37E-02	1.29E-02	3.77E-03	4.06E-03	7.83E-03	3.68E-03	3.96E-03	7.64E-03	3.63E-03	3.91E-03	7.54E-03
5776	489121.67, 3858854.49	0.07859	0.09001	1.23E-02	1.47E-02	1.16E-02	1.19E-02	1.12E-02	3.26E-03	3.73E-03	6.99E-03	3.18E-03	3.64E-03	6.83E-03	3.14E-03	3.60E-03	6.74E-03
5777	489059.59, 3858797.27	0.07187	0.08417	1.13E-02	1.37E-02	1.06E-02	1.09E-02	1.02E-02	2.98E-03	3.49E-03	6.47E-03	2.91E-03	3.41E-03	6.32E-03	2.87E-03	3.36E-03	6.23E-03
5778	488997.52, 3858740.04	0.06614	0.07879	1.04E-02	1.29E-02	9.76E-03	1.00E-02	9.43E-03	2.74E-03	3.27E-03	6.01E-03	2.68E-03	3.19E-03	5.87E-03	2.64E-03	3.15E-03	5.79E-03
5779	488935.44, 3858682.82	0.06142	0.07489	9.62E-03	1.22E-02	9.06E-03	9.28E-03	8.76E-03	2.55E-03	3.11E-03	5.66E-03	2.49E-03	3.03E-03	5.52E-03	2.45E-03	2.99E-03	5.45E-03
5780	488869.17, 3858848.43	0.17209	0.33711	2.70E-02	5.50E-02	2.54E-02	2.60E-02	2.45E-02	7.14E-03	1.40E-02	2.11E-02	6.97E-03	1.36E-02	2.06E-02	6.87E-03	1.35E-02	2.03E-02
5781	488932.48, 3858892.69	0.18727	0.3355	2.93E-02	5.48E-02	2.76E-02	2.83E-02	2.67E-02	7.77E-03	1.39E-02	2.17E-02	7.58E-03	1.36E-02	2.12E-02	7.48E-03	1.34E-02	2.09E-02
5782	489063.27, 3858977.17	0.21175	0.30352	3.32E-02	4.95E-02	3.13E-02	3.20E-02	3.02E-02	8.79E-03	1.26E-02	2.14E-02	8.57E-03	1.23E-02	2.09E-02	8.46E-03	1.21E-02	2.06E-02
5783	489248.2, 3859117.15	0.33661	0.39193	5.27E-02	6.40E-02	4.97E-02	5.09E-02	4.80E-02	1.40E-02	1.63E-02	3.02E-02	1.36E-02	1.59E-02	2.95E-02	1.34E-02	1.57E-02	2.91E-02
5784	489296.25, 3859049.22	0.13213	0.13983	2.07E-02	2.28E-02	1.95E-02	2.00E-02	1.88E-02	5.48E-03	5.80E-03	1.13E-02	5.35E-03	5.66E-03	1.10E-02	5.28E-03	5.59E-03	1.09E-02
5785	489353.38, 3858993.96	0.08278	0.08466	1.30E-02	1.38E-02	1.22E-02	1.25E-02	1.18E-02	3.43E-03	3.51E-03	6.95E-03	3.35E-03	3.43E-03	6.78E-03	3.31E-03	3.38E-03	6.69E-03
5786	489537.24, 3859120.22	0.09255	0.09309	1.45E-02	1.52E-02	1.37E-02	1.40E-02	1.32E-02	3.84E-03	3.86E-03	7.70E-03	3.75E-03	3.77E-03	7.52E-03	3.70E-03	3.72E-03	7.42E-03
5787	489726.98, 3859246.04	0.10363	0.10379	1.62E-02	1.69E-02	1.53E-02	1.57E-02	1.48E-02	4.30E-03	4.31E-03	8.61E-03	4.20E-03	4.20E-03	8.40E-03	4.14E-03	4.15E-03	8.29E-03
5788	489911.46, 3859366.33	0.11477	0.11587	1.80E-02	1.89E-02	1.69E-02	1.73E-02	1.64E-02	4.76E-03	4.81E-03	9.57E-03	4.65E-03	4.69E-03	9.34E-03	4.58E-03	4.63E-03	9.21E-03
5789	490035.3, 3859430.26	0.11399	0.11491	1.79E-02	1.88E-02	1.68E-02	1.72E-02	1.63E-02	4.73E-03	4.77E-03	9.50E-03	4.61E-03	4.65E-03	9.27E-03	4.55E-03	4.59E-03	9.14E-03
5790	490101.11, 3859458.61	0.11038	0.11105	1.73E-02	1.81E-02	1.63E-02	1.67E-02	1.57E-02	4.58E-03	4.61E-03	9.19E-03	4.47E-03	4.50E-03	8.96E-03	4.41E-03	4.44E-03	8.85E-03
5791	490312.68, 3859560.3	0.11937	0.11972	1.87E-02	1.95E-02	1.76E-02	1.80E-02	1.70E-02	4.95E-03	4.97E-03	9.92E-03	4.83E-03	4.85E-03	9.68E-03	4.77E-03	4.78E-03	9.55E-03
5792	490401.63, 3859603.12	0.12686	0.12805	1.99E-02	2.09E-02	1.87E-02	1.92E-02	1.81E-02	5.26E-03	5.31E-03	1.06E-02	5.14E-03	5.18E-03	1.03E-02	5.07E-03	5.12E-03	1.02E-02
5793	490490.57, 3859645.94	0.1346	0.1368	2.11E-02	2.23E-02	1.99E-02	2.03E-02	1.92E-02	5.58E-03	5.68E-03	1.13E-02	5.45E-03	5.54E-03	1.10E-02	5.38E-03	5.46E-03	1.08E-02
5794	490579.51, 3859688.76	0.14195	0.1453	2.22E-02	2.37E-02	2.10E-02	2.15E-02	2.02E-02	5.89E-03	6.03E-03	1.19E-02	5.75E-03	5.88E-03	1.16E-02	5.67E-03	5.80E-03	1.15E-02
5795	490668.45, 3859731.58	0.14603	0.15064	2.29E-02	2.46E-02	2.16E-02	2.21E-02	2.08E-02	6.06E-03	6.25E-03	1.23E-02	5.91E-03	6.10E-03	1.20E-02	5.83E-03	6.02E-03	1.19E-02
5796	490757.4, 3859774.4	0.15859	0.16494	2.48E-02	2.69E-02	2.34E-02	2.40E-02	2.26E-02	6.58E-03	6.84E-03	1.34E-02	6.42E-03	6.68E-03	1.31E-02	6.34E-03	6.59E-03	1.29E-02

5797	491003.53, 3859861.82	0.13773	0.14404	2.16E-02	2.35E-02	2.03E-02	2.08E-02	1.96E-02	5.71E-03	5.98E-03	1.17E-02	5.58E-03	5.83E-03	1.14E-02	5.50E-03	5.75E-03	1.13E-02
5798	491081.41, 3859879.05	0.12187	0.12489	1.91E-02	2.04E-02	1.80E-02	1.84E-02	1.74E-02	5.06E-03	5.18E-03	1.02E-02	4.93E-03	5.06E-03	9.99E-03	4.87E-03	4.99E-03	9.86E-03
5799	491229.76, 3859917.82	0.09862	0.09787	1.54E-02	1.60E-02	1.46E-02	1.49E-02	1.41E-02	4.09E-03	4.06E-03	8.15E-03	3.99E-03	3.96E-03	7.95E-03	3.94E-03	3.91E-03	7.85E-03
5800	491300.22, 3859939.35	0.08964	0.08912	1.40E-02	1.45E-02	1.32E-02	1.36E-02	1.28E-02	3.72E-03	3.70E-03	7.42E-03	3.63E-03	3.61E-03	7.24E-03	3.58E-03	3.56E-03	7.14E-03
5801	491350.48, 3860012.03	0.10712	0.10565	1.68E-02	1.72E-02	1.58E-02	1.62E-02	1.53E-02	4.44E-03	4.38E-03	8.83E-03	4.34E-03	4.28E-03	8.61E-03	4.28E-03	4.22E-03	8.50E-03
5802	491406.82, 3860092.56	0.12465	0.12379	1.95E-02	2.02E-02	1.84E-02	1.88E-02	1.78E-02	5.17E-03	5.14E-03	1.03E-02	5.05E-03	5.01E-03	1.01E-02	4.98E-03	4.95E-03	9.92E-03
5803	491483.36, 3860121.96	0.10598	0.10655	1.66E-02	1.74E-02	1.56E-02	1.60E-02	1.51E-02	4.40E-03	4.42E-03	8.82E-03	4.29E-03	4.31E-03	8.60E-03	4.23E-03	4.26E-03	8.49E-03
5804	491559.91, 3860151.35	0.09233	0.0936	1.45E-02	1.53E-02	1.36E-02	1.40E-02	1.32E-02	3.83E-03	3.88E-03	7.71E-03	3.74E-03	3.79E-03	7.53E-03	3.69E-03	3.74E-03	7.43E-03
5805	491711.81, 3860237.76	0.06684	0.06872	1.05E-02	1.12E-02	9.86E-03	1.01E-02	9.53E-03	2.77E-03	2.85E-03	5.62E-03	2.71E-03	2.78E-03	5.49E-03	2.67E-03	2.75E-03	5.42E-03
5806	491755.2, 3860319.07	0.09579	0.09971	1.50E-02	1.63E-02	1.41E-02	1.45E-02	1.37E-02	3.97E-03	4.14E-03	8.11E-03	3.88E-03	4.04E-03	7.91E-03	3.83E-03	3.98E-03	7.81E-03
5807	491704.71, 3860366.54	0.15387	0.16257	2.41E-02	2.65E-02	2.27E-02	2.33E-02	2.19E-02	6.38E-03	6.74E-03	1.31E-02	6.23E-03	6.58E-03	1.28E-02	6.15E-03	6.49E-03	1.26E-02
5808	491623.42, 3860462.39	0.17018	0.14981	2.67E-02	2.45E-02	2.51E-02	2.57E-02	2.43E-02	7.06E-03	6.22E-03	1.33E-02	6.89E-03	6.06E-03	1.30E-02	6.80E-03	5.98E-03	1.28E-02
5809	491534.02, 3860439.84	0.07019	0.06721	1.10E-02	1.10E-02	1.04E-02	1.06E-02	1.00E-02	2.91E-03	2.79E-03	5.70E-03	2.84E-03	2.72E-03	5.56E-03	2.80E-03	2.68E-03	5.49E-03
5810	491313.95, 3860268.17	0.087	0.08673	1.36E-02	1.42E-02	1.28E-02	1.32E-02	1.24E-02	3.61E-03	3.60E-03	7.21E-03	3.52E-03	3.51E-03	7.03E-03	3.48E-03	3.46E-03	6.94E-03
5811	491187.12, 3860143.56	0.12379	0.13049	1.94E-02	2.13E-02	1.83E-02	1.87E-02	1.77E-02	5.14E-03	5.41E-03	1.05E-02	5.01E-03	5.28E-03	1.03E-02	4.95E-03	5.21E-03	1.02E-02
5812	491070.43, 3860075.97	0.10905	0.11076	1.71E-02	1.81E-02	1.61E-02	1.65E-02	1.55E-02	4.52E-03	4.60E-03	9.12E-03	4.41E-03	4.48E-03	8.90E-03	4.36E-03	4.42E-03	8.78E-03
5813	490995.09, 3860039.38	0.10068	0.10239	1.58E-02	1.67E-02	1.49E-02	1.52E-02	1.44E-02	4.18E-03	4.25E-03	8.42E-03	4.08E-03	4.15E-03	8.22E-03	4.02E-03	4.09E-03	8.11E-03
5814	490919.75, 3860002.8	0.10309	0.10047	1.61E-02	1.64E-02	1.52E-02	1.56E-02	1.47E-02	4.28E-03	4.17E-03	8.45E-03	4.17E-03	4.07E-03	8.24E-03	4.12E-03	4.01E-03	8.13E-03
5815	490756.81, 3859894.53	0.24408	0.22205	3.82E-02	3.62E-02	3.60E-02	3.69E-02	3.48E-02	1.01E-02	9.21E-03	1.93E-02	9.88E-03	8.99E-03	1.89E-02	9.75E-03	8.87E-03	1.86E-02
5816	490668.07, 3859860.92	0.22884	0.21149	3.58E-02	3.45E-02	3.38E-02	3.46E-02	3.26E-02	9.49E-03	8.77E-03	1.83E-02	9.26E-03	8.56E-03	1.78E-02	9.14E-03	8.45E-03	1.76E-02
5817	490579.34, 3859827.3	0.222	0.20851	3.48E-02	3.40E-02	3.28E-02	3.36E-02	3.17E-02	9.21E-03	8.65E-03	1.79E-02	8.99E-03	8.44E-03	1.74E-02	8.87E-03	8.33E-03	1.72E-02
5818	490490.6, 3859793.68	0.20552	0.19623	3.22E-02	3.20E-02	3.03E-02	3.11E-02	2.93E-02	8.53E-03	8.14E-03	1.67E-02	8.32E-03	7.94E-03	1.63E-02	8.21E-03	7.84E-03	1.60E-02
5819	490401.86, 3859760.07	0.19363	0.18749	3.03E-02	3.06E-02	2.86E-02	2.93E-02	2.76E-02	8.03E-03	7.78E-03	1.58E-02	7.84E-03	7.59E-03	1.54E-02	7.73E-03	7.49E-03	1.52E-02
5820	490313.12, 3859726.45	0.18846	0.18484	2.95E-02	3.02E-02	2.78E-02	2.85E-02	2.69E-02	7.82E-03	7.67E-03	1.55E-02	7.63E-03	7.48E-03	1.51E-02	7.53E-03	7.38E-03	1.49E-02
5821	490224.39, 3859692.83	0.18419	0.18269	2.89E-02	2.98E-02	2.72E-02	2.78E-02	2.63E-02	7.64E-03	7.58E-03	1.52E-02	7.46E-03	7.40E-03	1.49E-02	7.36E-03	7.30E-03	1.47E-02
5822	490135.65, 3859659.22	0.18046	0.18071	2.83E-02	2.95E-02	2.66E-02	2.73E-02	2.57E-02	7.49E-03	7.50E-03	1.50E-02	7.31E-03	7.32E-03	1.46E-02	7.21E-03	7.22E-03	1.44E-02
5823	489918.18, 3859559.23	0.19011	0.18316	2.98E-02	2.99E-02	2.81E-02	2.87E-02	2.71E-02	7.89E-03	7.60E-03	1.55E-02	7.70E-03	7.42E-03	1.51E-02	7.59E-03	7.32E-03	1.49E-02
5824	489743.61, 3859486	0.12579	0.1208	1.97E-02	1.97E-02	1.86E-02	1.90E-02	1.79E-02	5.22E-03	5.01E-03	1.02E-02	5.09E-03	4.89E-03	9.98E-03	5.02E-03	4.83E-03	9.85E-03
5825	489660.32, 3859440.27	0.12565	0.11997	1.97E-02	1.96E-02	1.85E-02	1.90E-02	1.79E-02	5.21E-03	4.98E-03	1.02E-02	5.09E-03	4.86E-03	9.94E-03	5.02E-03	4.79E-03	9.81E-03
5826	489577.04, 3859394.53	0.12565	0.1192	1.97E-02	1.95E-02	1.85E-02	1.90E-02	1.79E-02	5.21E-03	4.95E-03	1.02E-02	5.09E-03	4.83E-03	9.91E-03	5.02E-03	4.76E-03	9.78E-03
5827	489493.75, 3859348.8	0.125	0.11747	1.96E-02	1.92E-02	1.84E-02	1.89E-02	1.78E-02	5.19E-03	4.87E-03	1.01E-02	5.06E-03	4.76E-03	9.82E-03	4.99E-03	4.69E-03	9.69E-03
5828	489321.28, 3859240.02	0.15791	0.13501	2.47E-02	2.20E-02	2.33E-02	2.39E-02	2.25E-02	6.55E-03	5.60E-03	1.22E-02	6.39E-03	5.47E-03	1.19E-02	6.31E-03	5.39E-03	1.17E-02
5829	489235.41, 3859193.96	0.1561	0.12683	2.45E-02	2.07E-02	2.30E-02	2.36E-02	2.23E-02	6.48E-03	5.26E-03	1.17E-02	6.32E-03	5.13E-03	1.15E-02	6.24E-03	5.07E-03	1.13E-02
5830	489149.54, 3859147.89	0.14849	0.11438	2.33E-02	1.87E-02	2.19E-02	2.24E-02	2.12E-02	6.16E-03	4.75E-03	1.09E-02	6.01E-03	4.63E-03	1.06E-02	5.93E-03	4.57E-03	1.05E-02
5831	489063.68, 3859101.82	0.14774	0.10102	2.31E-02	1.65E-02	2.18E-02	2.23E-02	2.11E-02	6.13E-03	4.19E-03	1.03E-02	5.98E-03	4.09E-03	1.01E-02	5.90E-03	4.04E-03	9.94E-03
5832	488977.81, 3859055.75	0.14653	0.08633	2.30E-02	1.41E-02	2.16E-02	2.21E-02	2.09E-02	6.08E-03	3.58E-03	9.66E-03	5.93E-03	3.50E-03	9.43E-03	5.85E-03	3.45E-03	9.30E-03
5833	488891.94, 3859009.69	0.14146	0.07365	2.22E-02	1.20E-02	2.09E-02	2.14E-02	2.02E-02	5.87E-03	3.06E-03	8.92E-03	5.73E-03	2.98E-03	8.71E-03	5.65E-03	2.94E-03	8.59E-03
5834	488808, 3859060.73	0.04935	0.03524	7.73E-03	5.75E-03	7.28E-03	7.46E-03	7.04E-03	2.05E-03	1.46E-03	3.51E-03	2.00E-03	1.43E-03	3.42E-03	1.97E-03	1.41E-03	3.38E-03
5835	488809.93, 3859157.85	0.02968	0.0243	4.65E-03	3.97E-03	4.38E-03	4.49E-03	4.23E-03	1.23E-03	1.01E-03	2.24E-03	1.20E-03	9.84E-04	2.19E-03	1.19E-03	9.71E-04	2.16E-03
5836	488811.85, 3859254.96	0.02143	0.01862	3.36E-03	3.04E-03	3.16E-03	3.24E-03	3.06E-03	8.89E-04	7.73E-04	1.66E-03	8.68E-04	7.54E-04	1.62E-03	8.56E-04	7.44E-04	1.60E-03
5837	488813.78, 3859352.07	0.01692	0.01517	2.65E-03	2.48E-03	2.50E-03	2.56E-03	2.41E-03	7.02E-04	6.29E-04	1.33E-03	6.85E-04	6.14E-04	1.30E-03	6.76E-04	6.06E-04	1.28E-03
5838	488815.71, 3859449.19	0.0141	0.01287	2.21E-03	2.10E-03	2.08E-03	2.13E-03	2.01E-03	5.85E-04	5.34E-04	1.12E-03	5.71E-04	5.21E-04	1.09E-03	5.63E-04	5.14E-04	1.08E-03
5839	488910.04, 3859547.1	0.01304	0.01212	2.04E-03	1.98E-03	1.92E-03	1.97E-03	1.86E-03	5.41E-04	5.03E-04	1.04E-03	5.28E-04	4.91E-04	1.02E-03	5.21E-04	4.84E-04	1.01E-03
5840	489002.45, 3859547.91	0.01415	0.01325	2.22E-03	2.16E-03	2.09E-03	2.14E-03	2.02E-03	5.87E-04	5.50E-04	1.14E-03	5.73E-04	5.36E-04	1.11E-03	5.65E-04	5.29E-04	1.09E-03
5841	489094.85, 3859548.71	0.01552	0.01464	2.43E-03	2.39E-03	2.29E-03	2.35E-03	2.21E-03	6.44E-04	6.07E-04	1.25E-03	6.28E-04	5.93E-04	1.22E-03	6.20E-04	5.85E-04	1.20E-03
5842	489230.05, 3859601.87	0.01614	0.01538	2.53E-03	2.51E-03	2.38E-03	2.44E-03	2.30E-03	6.70E-04	6.38E-04	1.31E-03	6.53E-04	6.23E-04	1.28E-03	6.45E-04	6.14E-04	1.26E-03
5843	489227.52, 3859680.89	0.01388	0.01327	2.17E-03	2.17E-03	2.05E-03	2.10E-03	1.98E-03	5.76E-04	5.51E-04	1.13E-03	5.62E-04	5.37E-04	1.10E-03	5.54E-04	5.30E-04	1.08E-03
5844	489133.47, 3859760.29	0.01142	0.01089	1.79E-03	1.78E-03	1.69E-03	1.73E-03	1.63E-03	4.74E-04	4.52E-04	9.26E-04	4.62E-04	4.41E-04	9.03E-04	4.56E-04	4.35E-04	8.91E-04
5845	489041.96, 3859760.67	0.01072	0.01016	1.68E-03	1.66E-03	1.58E-03	1.62E-03	1.53E-03	4.45E-04	4.22E-04	8.66E-04	4.34E-04	4.11E-04	8.45E-04	4.28E-04	4.06E-04	8.34E-04
5846	488950.45, 3859761.05	0.0101	0.00952	1.58E-03	1.55E-03	1.49E-03	1.53E-03	1.44E-03	4.19E-04	3.95E-04	8.14E-04	4.09E-04	3.85E-04	7.94E-04	4.03E-04	3.80E-04	7.84E-04
5847	488858.94, 3859761.43	0.00957	0.00897	1.50E-03	1.46E-03	1.41E-03	1.45E-03	1.36E-03	3.97E-04	3.72E-04	7.69E-04	3.87E-04	3.63E-04	7.51E-04	3.82E-04	3.58E-04	7.41E-04
5848	488767.43, 3859761.82	0.00907	0.00846	1.42E-03	1.38E-03	1.34E-03	1.37E-03	1.29E-03	3.76E-04	3.51E-04	7.27E-04	3.67E-04	3.42E-04	7.10E-04	3.62E-04	3.38E-04	7.00E-04
5849	488675.92, 3859762.2	0.00864	0.00803	1.35E-03	1.31E-03	1.28E-03	1.31E-03	1.23E-03	3.58E-04	3.33E-04	6.92E-04	3.50E-04	3.25E-04	6.75E-04	3.45E-04	3.21E-04	6.66E-04
5850	488584.41, 3859762.58	0.00824	0.00763	1.29E-03	1.25E-03	1.22E-03	1.25E-03	1.17E-03	3.42E-04	3.17E-04	6.58E-04	3.34E-04	3.09E-04	6.42E-04	3.29E-04	3.05E-04	6.34E-04
5851	488492.9, 3859762.96	0.00789	0.00729	1.24E-03	1.19E-03	1.16E-03	1.19E-03	1.12E-03	3.27E-04	3.02E-04	6.30E-04	3.19E-04	2.95E-04	6.15E-04	3.15E-04	2.91E-04	6.06E-04
5852	488402.76, 3859830.95	0.00723	0.0067	1.13E-03	1.09E-03	1.07E-03	1.09E-03	1.03E-03	3.00E-04	2.78E-04	5.78E-04	2.93E-04	2.71E-04	5.64E-04	2.89E-04	2.68E-04	5.56E-04
5853	488404.14, 3859898.55	0.00692	0.00644	1.08E-03	1.05E-03	1.02E-03	1.05E-03	9.87E-04	2.87E-04	2.67E-04	5.54E-04	2.80E-04	2.61E-04	5.41E-04	2.76E-04	2.57E-04	5.34E-04
5854	488505.18, 3859964.96	0.0069	0.00647	1.08E-03	1.06E-03	1.02E-03	1.04E-03	9.84E-04	2.86E-04	2.68E-04	5.55E-04	2.79E-04	2.62E-04	5.41E-04	2.76E-04	2.58E-04	5.34E-04
5855	488604.84, 3859963.76	0.00715	0.00672	1.12E-03	1.10E-03	1.06E-03	1.08E-03	1.02E-03	2.97E-04	2.79E-04	5.75E-04	2.89E-04	2.72E-04	5.62E-04	2.86E-04	2.68E-04	5.54E-04
5856	488704.51, 3859962.56	0.00744	0.00701	1.17E-03	1.14E-03	1.10E-03	1.12E-03	1.06E-03	3.09E-04	2.91E-04	5.99E-04	3.01E-04	2.84E-04	5.85E-04	2.97E-04	2.80E-04	5.77E-04
5857	488804.18, 3859961.37	0.00777	0.00734	1.22E-03	1.20E-03	1.15E-03	1.17E-03	1.11E-03	3.22E-04	3.05E-04	6.27E-04	3.15E-04	2.97E-04	6.12E-04	3.10E-04	2.93E-04	6.04E-04
5858	488903.85, 3859960.17	0.00814	0.00771	1.28E-03	1.26E-03	1.20E-03	1.23E-03	1.16E-03	3.38E-04	3.20E-04	6.58E-04	3.30E-04	3.12E-04	6.42E-04	3.25E-04	3.08E-04	6.33E-04
5859	489003.52, 3859958.97	0.00853	0.00811	1.34E-03	1.32E-03	1.26E-03	1.29E-03	1.22E-03	3.54E-04	3.36E-04	6.90E-04	3.45E-04	3.28E-04	6.74E-04	3.41E-04	3.24E-04	6.65E-04
5860	489103.18, 3859957.77	0.00897	0.00857	1.41E-03	1.40E-03	1.32E-03	1.36E-03	1.28E-03	3.72E-04	3.56E-04	7.28E-04	3.63E-04	3.47E-04	7.10E-04	3.58E-04	3.42E-04	7.01E-04
5861	489201.48, 3860046.59	0.00867	0.00833	1.36E-03	1.36E-03	1.28E-03	1.31E-03	1.24E-03	3.60E-04	3.46E-04	7.05E-04	3.51E-04	3.37E-04	6.88E-04	3.46E-04	3.33E-04	6.79E-04
5862	489200.11, 3860136.61	0.00803	0.00772	1.26E-03	1.26E-03	1.19E-03	1.21E-03	1.14E-03	3.33E-04	3.20E-04	6.53E-04	3.25E-04	3.13E-04	6.38E-04	3.21E-04	3.08E-04	6.29E-04
5863	489198.74, 3860226.63	0.00752	0.00724	1.18E-03	1.18E-03	1.11E-03	1.14E-03	1.07E-03	3.12E-04	3.00E-04	6.12E-04	3.04E-04	2.93E-04	5.98E-04	3.00E-04	2.89E-04	5.90E-04
5864	489197.38, 3860316.66	0.00708	0.00683	1.11E-03	1.11E-03	1.04E-03	1.07E-03	1.01E-03	2.94E-04	2.83E-04	5.77E-04	2.87E-04	2.77E-04	5.63E-04	2.83E-04	2.73E-04	5.56E-04
5865	489196.01, 3860406.68	0.00667	0.00645	1.04E-03	1.05E-03	9.84E-04	1.01E-03	9.51E-04	2.77E-04	2.68E-04	5.44E-04	2.70E-04	2.61E-04	5.31E-04	2.66E-04	2.58E-04	5.24E-04
5866	489194.64, 3860496.7	0.00625	0.00605	9.79E-04	9.88E-04	9.22E-04	9.45E-04	8.91E-04	2.59E-04	2.51E-04	5.10E-04	2.53E-04	2.45E-04	4.98E-04	2.50E-04	2.42E-04	4.91E-04
5867	489193.27, 3860586.72	0.00586	0.00569	9.18E-04	9.29E-04	8.65E-04	8.86E-04	8.36E-04	2.43E-04	2.36E-04	4.79E-04	2.37E-04	2.30E-04	4.68E-04	2.34E-04	2.27E-04	4.61E-04
5868	489092.02, 3860678.13	0.00536	0.00519	8.40E-04	8.47E-04	7.91E-04	8.10E-04	7.64E-04	2.22E-04	2.15E-04	4.38E-04	2.17E-04	2.10E-04	4.27E-04	2.14E-04	2.07E-04	4.21E-04
5869	488992.13, 3860679.53	0.00521	0.00504	8.16E-04	8.23E-04	7.69E-04	7.88E-04	7.43E-04	2.16E-04	2.09E-04	4.25E-04	2.11E-04	2.04E-04	4.15E-04	2.08E-04	2.01E-04	4.09E-04
5870	488892.24, 3860680.92	0.00509	0.0049	7.97E-04	8.00E-04	7.51E-04	7.69E-04	7.26E-04	2.11E-04	2.03E-04	4.14E-04	2.06E-04	1.98E-04	4.04E-04	2.03E-04	1.96E-04	3.99E-04
5871	488792.36, 3860682.31	0.00497	0.00476	7.79E-04	7.77E-04	7.34E-04	7.51E-04	7.09E-04	2.06E-04	1.97E-04	4.04E-04	2.01E-04	1.93E-04	3.94E-04	1.99E-04	1.90E-04	3.89E-04
5872	488692.48, 3860683.7	0.00486	0.00464	7.61E-04	7.57E-04	7.17E-04	7.35E-04	6.93E-04	2.02E-04	1.93E-04	3.94E-04	1.97E-04	1.88E-04	3.85E-04	1.94E-04	1.85E-04	3.79E-04
5873	488592.59, 3860685.09	0.00475	0.00452	7.44E-04	7.38E-04	7.01E-04	7.18E-04	6.77E-04	1.97E-04	1.88E-04	3.85E-04	1.92E-04	1.83E-04	3.75E-04	1.90E-04	1.81E-04	3.70E-04
5874	488492.71, 3860686.49	0.00466	0.00442	7.30E-04	7.21E-04	6.88E-04	7.04E-04	6.64E-04	1.93E-04	1.83E-04	3.77E-04	1.89E-04	1.79E-04	3.68E-04	1.86E-04	1.77E-04	3.63E-04
5875	488299.07, 3860762.18	0.00438	0.00413	6.86E-04	6.74E-04	6.46E-04	6.62E-04	6.25E-04	1.82E-04	1.71E-04	3.53E-04	1.77E-04	1.67E-04	3.45E-04	1.75E-04	1.65E-04	3.40E-04
5876	488205.32, 3860764.09	0.0043	0.00405	6.74E-04	6.61E-04	6.35E-04	6.50E-04	6.13E-04	1.78E-04	1.68E-04	3.46E-04	1.74E-04	1.64E-04	3.38E-04	1.72E-04	1.62E-04	3.34E-04
5877	488111.56, 3860766	0.00421	0.00396	6.60E-04	6.46E-04	6.21E-04	6.36E-04	6.00E-04	1.75E-04	1.64E-04	3.39E-04	1.70E-04	1.60E-04	3.31E-04	1.68E-04	1.58E-04	3.26E-04
5878	488017.81, 3860767.91	0.00413	0.00387	6.47E-04	6.32E-04	6.10E-04	6.24E-04	5.89E-04	1.71E-04	1.61E-04	3.32E-04	1.67E-04	1.57E-04	3.24E-04	1.65E-04	1.55E-04	3.20E-04
5879	487924.06, 3860769.81	0.00404	0.00378	6.33E-04	6.17E-04	5.96E-04	6.11E-04	5.76E-04	1.68E-04	1.57E-04	3.24E-04	1.64E-04	1.53E-04	3.17E-04	1.61E-04	1.51E-04	3.12E-04
5880	487830.31, 3860771.72	0.00397	0.00371	6.22E-04	6.06E-04	5.86E-04	6.00E-04	5.66E-04	1.65E-04	1.54E-04	3.19E-04	1.61E-04	1.50E-04	3.11E-04	1.59E-04	1.48E-04	3.07E-04
5881	487736.55, 3860773.63	0.00389	0.00364	6.09E-04	5.94E-04	5.74E-04	5.88E-04	5.55E-04	1.61E-04	1.51E-04	3.12E-04	1.57E-04	1.47E-04	3.05E-04	1.55E-04	1.45E-04	3.01E-04
5882	487642.8, 3860775.54	0.00383	0.00358	6.00E-04	5.84E-04	5.65E-04	5.79E-04	5.46E-04	1.59E-04	1.49E-04	3.07E-04	1.55E-04	1.45E-04	3.00E-04	1.53E-04	1.43E-04	2.96E-04
5883	487549.48, 3860684.71	0.00389	0.00363	6.09E-04	5.93E-04	5.74E-04	5.88E-04	5.55E-04	1.61E-04	1.51E-04	3.12E-04	1.57E-04	1.47E-04	3.04E-04	1.55E-04	1.45E-04	3.00E-04
5884	487549.91, 3860591.97	0.00402	0.00373	6.30E-04	6.09E-04	5.93E-04	6.08E-04	5.73E-04	1.67E-04	1.55E-04	3.22E-04	1.63E-04	1.51E-04	3.14E-04	1.61E-04	1.49E-04	3.10E-04
5885	487550.34, 3860499.23	0.00416	0.00385	6.52E-04	6.28E-04	6.14E-04	6.29E-04	5.93E-04	1.73E-04	1.60E-04	3.32E-04	1.68E-04	1.56E-04	3.24E-04	1.66E-04	1.54E-04	3.20E-04
5886	487550.76, 3860406.49	0.00433	0.004	6.78E-04	6.53E-04	6.39E-04	6.55E-04	6.17E-04	1.80E-04	1.66E-04	3.46E-04	1.75E-04	1.62E-04	3.37E-04	1.73E-04	1.60E-04	3.33E-04
5887	487551.19, 3860313.75	0.00452	0.00416	7.08E-04	6.79E-04	6.67E-04	6.83E-04	6.44E-04	1.88E-04	1.73E-04	3.60E-04	1.83E-04	1.68E-04	3.51E-04	1.81E-04	1.66E-04	3.47E-04
5888	487551.62, 3860221.01	0.00473	0.00434	7.41E-04	7.08E-04	6.98E-04	7.15E-04	6.74E-04	1.96E-04	1.80E-04	3.76E-04	1.91E-04	1.76E-04	3.67E-04	1.89E-04	1.73E-04	3.62E-04
5889	487552.05, 3860128.27	0.00497	0.00454	7.79E-04	7.41E-04	7.34E-04	7.51E-04	7.09E-04	2.06E-04	1.88E-04	3.95E-04	2.01E-04	1.84E-04	3.85E-04	1.99E-04	1.81E-04	3.80E-04
5890	487552.48, 3860035.53	0.0052	0.00473	8.15E-04	7.72E-04	7.67E-04	7.86E-04	7.41E-04	2.16E-04	1.96E-04	4.12E-04	2.11E-04	1.91E-04	4.02E-04	2.08E-04	1.89E-04	3.97E-04
5891	487552.91, 3859942.79	0.0054	0.00488	8.46E-04	7.97E-04	7.97E-04	8.16E-04	7.70E-04	2.24E-04	2.02E-04	4.26E-04	2.19E-04	1.98E-04	4.16E-04	2.16E-04	1.95E-04	4.11E-04
5892	487553.33, 3859850.05	0.00562	0.00504	8.80E-04	8.23E-04	8.29E-04	8.50E-04	8.01E-04	2.33E-04	2.09E-04	4.42E-04	2.28E-04	2.04E-04	4.32E-04	2.25E-04	2.01E-04	4.26E-04
5893	487553.76, 3859757.31	0.00583	0.00519	9.13E-04	8.47E-04	8.60E-04	8.81E-04	8.31E-04	2.42E-04	2.15E-04	4.57E-04	2.36E-04	2.10E-04	4.46E-04	2.33E-04	2.07E-04	4.40E-04
5894	487554.19, 3859664.57	0.00606	0.00534	9.49E-04	8.72E-04	8.94E-04	9.16E-04	8.64E-04	2.51E-04	2.22E-04	4.73E-04	2.45E-04	2.16E-04	4.62E-04	2.42E-04	2.13E-04	4.55E-04
5895	487460.2, 3859571.05	0.00618	0.00536	9.68E-04	8.75E-04	9.12E-04	9.34E-04	8.81E-04	2.56E-04	2.22E-04	4.79E-04	2.50E-04	2.17E-04	4.67E-04	2.47E-04	2.14E-04	4.61E-04
5896	487365.78, 3859570.27	0.00602	0.00522	9.43E-04	8.52E-04	8.88E-04	9.10E-04	8.58E-04	2.50E-04	2.17E-04	4.66E-04	2.44E-04	2.11E-04	4.55E-04	2.40E-04	2.09E-04	4.49E-04
5897	487271.36, 3859569.48	0.00588	0.00508	9.21E-04	8.29E-04	8.68E-04	8.89E-04	8.38E-04	2.44E-04	2.11E-04	4.55E-04	2.38E-04	2.06E-04	4.44E-04	2.35E-04	2.03E-04	4.38E-04
5898	487176.94, 3859568.7	0.00574	0.00494	8.99E-04	8.06E-04	8.47E-04	8.68E-04	8.18E-04	2.38E-04	2.05E-04	4.43E-04	2.32E-04	2.00E-04	4.32E-04	2.29E-04	1.97E-04	4.27E-04
5899	487082.51, 3859567.92	0.00561	0.00483	8.79E-04	7.88E-04	8.28E-04	8.48E-04	8.00E-04	2.33E-04	2.00E-04	4.33E-04	2.27E-04	1.96E-04	4.23E-04	2.24E-04	1.93E-04	4.17E-04
5900	486988.09, 3859567.14	0.00548	0.00471	8.58E-04	7.69E-04	8.09E-04	8.28E-04	7.81E-04	2.27E-04	1.95E-04	4.23E-04	2.22E-04	1.91E-04	4.13E-04	2.19E-04	1.88E-04	4.07E-04
5901	486893.67, 3859566.36	0.00536	0.00461	8.40E-04	7.52E-04	7.91E-04	8.10E-04	7.64E-04	2.22E-04	1.91E-04	4.14E-04	2.17E-04	1.87E-04	4.04E-04	2.14E-04	1.84E-04	3.98E-04
5902	486799.25, 3859565.58	0.00525	0.00451	8.22E-04	7.36E-04	7.75E-04	7.94E-04	7.49E-04	2.18E-04	1.87E-04	4.05E-04	2.13E-04	1.83E-04	3.95E-04	2.10E-04	1.80E-04	3.90E-04
5903	486704.83, 3859564.79	0.00514	0.00442	8.05E-04	7.21E-04	7.59E-04	7.77E-04	7.33E-04	2.13E-04	1.83E-04	3.97E-04	2.08E-04	1.79E-04	3.87E-04	2.05E-04	1.77E-04	3.82E-04
5904	486610.41, 3859564.01	0.00504	0.00434	7.90E-04	7.08E-04	7.44E-04	7.62E-04	7.19E-04	2.09E-04	1.80E-04	3.89E-04	2.04E-04	1.76E-04	3.80E-04	2.01E-04	1.73E-04	3.75E-04
5905	486515.99, 3859563.23	0.00493	0.00425	7.72E-04	6.94E-04	7.28E-04	7.45E-04	7.03E-04	2.05E-04	1.76E-04	3.81E-04	2.00E-04	1.72E-04	3.72E-04	1.97E-04	1.70E-04	3.67E-04
5906	486421.57, 3859562.45	0.00483	0.00417	7.57E-04	6.81E-04	7.13E-04	7.30E-04	6.89E-04	2.00E-04	1.73E-04	3.73E-04	1.96E-04	1.69E-04	3.64E-04	1.93E-04	1.67E-04	3.60E-04
5907	486327.14, 3859561.67	0.00475	0.0041	7.44E-04	6.69E-04	7.01E-04	7.18E-04	6.77E-04	1.97E-04	1.70E-04	3.67E-04	1.92E-04	1.66E-04	3.58E-04	1.90E-04	1.64E-04	3.54E-04
5908	486232.72, 3859560.89	0.00465	0.00402	7.28E-04	6.56E-04	6.86E-04	7.03E-04	6.63E-04	1.93E-04	1.67E-04	3.60E-04	1.88E-04	1.63E-04	3.51E-04	1.86E-04	1.61E-04	3.46E-04
5909	486138.3, 3859560.1	0.00456	0.00395	7.14E-04	6.45E-04	6.73E-04	6.89E-04	6.50E-04	1.89E-04	1.64E-04	3.53E-04	1.85E-04	1.60E-04	3.45E-04	1.82E-04	1.58E-04	3.40E-04
5910	486043.88, 3859559.32	0.00447	0.00387	7.00E-04	6.32E-04	6.60E-04	6.76E-04	6.37E-04	1.85E-04	1.61E-04	3.46E-04	1.81E-04	1.57E-04	3.38E-04	1.79E-04	1.55E-04	3.33E-04
5911	485949.35, 3859463.54	0.00452	0.00388	7.08E-04	6.33E-04	6.67E-04	6.83E-04	6.44E-04	1.88E-04	1.61E-04	3.48E-04	1.83E-04	1.57E-04	3.40E-04	1.81E-04	1.55E-04	3.36E-04
5912	485949.24, 3859368.55	0.00466	0.00395	7.30E-04	6.45E-04	6.88E-04	7.04E-04	6.64E-04	1.93E-04	1.64E-04	3.57E-04	1.89E-04	1.60E-04	3.49E-04	1.86E-04	1.58E-04	3.44E-04

5913	485949.12, 3859273.55	0.00481	0.00401	7.53E-04	6.55E-04	7.10E-04	7.27E-04	6.86E-04	2.00E-04	1.66E-04	3.66E-04	1.95E-04	1.62E-04	3.57E-04	1.92E-04	1.60E-04	3.52E-04
5914	485949.01, 3859178.56	0.00496	0.00408	7.77E-04	6.66E-04	7.32E-04	7.50E-04	7.07E-04	2.06E-04	1.69E-04	3.75E-04	2.01E-04	1.65E-04	3.66E-04	1.98E-04	1.63E-04	3.61E-04
5915	485948.9, 3859083.56	0.00515	0.00416	8.07E-04	6.79E-04	7.60E-04	7.78E-04	7.34E-04	2.14E-04	1.73E-04	3.86E-04	2.08E-04	1.68E-04	3.77E-04	2.06E-04	1.66E-04	3.72E-04
5916	485948.79, 3858988.56	0.00537	0.00426	8.41E-04	6.95E-04	7.93E-04	8.12E-04	7.66E-04	2.23E-04	1.77E-04	4.00E-04	2.17E-04	1.72E-04	3.90E-04	2.15E-04	1.70E-04	3.85E-04
5917	485948.67, 3858893.57	0.00562	0.00437	8.80E-04	7.13E-04	8.29E-04	8.50E-04	8.01E-04	2.33E-04	1.81E-04	4.14E-04	2.28E-04	1.77E-04	4.04E-04	2.25E-04	1.75E-04	3.99E-04
5918	485948.56, 3858798.57	0.00591	0.00451	9.26E-04	7.36E-04	8.72E-04	8.93E-04	8.43E-04	2.45E-04	1.87E-04	4.32E-04	2.39E-04	1.83E-04	4.22E-04	2.36E-04	1.80E-04	4.16E-04
5919	485948.45, 3858703.58	0.00622	0.00463	9.74E-04	7.56E-04	9.18E-04	9.40E-04	8.87E-04	2.58E-04	1.92E-04	4.50E-04	2.52E-04	1.87E-04	4.39E-04	2.48E-04	1.85E-04	4.33E-04
5920	485948.34, 3858608.58	0.00658	0.00478	1.03E-03	7.80E-04	9.71E-04	9.95E-04	9.38E-04	2.73E-04	1.98E-04	4.71E-04	2.66E-04	1.94E-04	4.60E-04	2.63E-04	1.91E-04	4.54E-04
5921	485948.22, 3858513.59	0.00698	0.00492	1.09E-03	8.03E-04	1.03E-03	1.06E-03	9.95E-04	2.90E-04	2.04E-04	4.94E-04	2.83E-04	1.99E-04	4.82E-04	2.79E-04	1.97E-04	4.75E-04
5922	485948.11, 3858418.59	0.00743	0.00505	1.16E-03	8.24E-04	1.10E-03	1.12E-03	1.06E-03	3.08E-04	2.10E-04	5.18E-04	3.01E-04	2.04E-04	5.05E-04	2.97E-04	2.02E-04	4.99E-04
5923	485948, 3858323.59	0.00797	0.00521	1.25E-03	8.50E-04	1.18E-03	1.20E-03	1.14E-03	3.31E-04	2.16E-04	5.47E-04	3.23E-04	2.11E-04	5.34E-04	3.18E-04	2.08E-04	5.27E-04
5924	485947.89, 3858228.6	0.00857	0.00536	1.34E-03	8.75E-04	1.26E-03	1.30E-03	1.22E-03	3.56E-04	2.22E-04	5.78E-04	3.47E-04	2.17E-04	5.64E-04	3.42E-04	2.14E-04	5.56E-04
5925	485947.77, 3858133.6	0.00929	0.00552	1.46E-03	9.01E-04	1.37E-03	1.40E-03	1.32E-03	3.85E-04	2.29E-04	6.14E-04	3.76E-04	2.23E-04	6.00E-04	3.71E-04	2.21E-04	5.92E-04
5926	485947.66, 3858038.61	0.01026	0.00572	1.61E-03	9.34E-04	1.51E-03	1.55E-03	1.46E-03	4.26E-04	2.37E-04	6.63E-04	4.15E-04	2.32E-04	6.47E-04	4.10E-04	2.28E-04	6.38E-04
5927	485854.54, 3857943.35	0.01054	0.00571	1.65E-03	9.32E-04	1.56E-03	1.59E-03	1.50E-03	4.37E-04	2.37E-04	6.74E-04	4.27E-04	2.31E-04	6.58E-04	4.21E-04	2.28E-04	6.49E-04
5928	485761.52, 3857943.09	0.00985	0.00553	1.54E-03	9.03E-04	1.45E-03	1.49E-03	1.40E-03	4.09E-04	2.29E-04	6.38E-04	3.99E-04	2.24E-04	6.23E-04	3.93E-04	2.21E-04	6.14E-04
5929	485668.51, 3857942.83	0.00929	0.00537	1.46E-03	8.77E-04	1.37E-03	1.40E-03	1.32E-03	3.85E-04	2.23E-04	6.08E-04	3.76E-04	2.17E-04	5.94E-04	3.71E-04	2.15E-04	5.86E-04
5930	485575.5, 3857942.56	0.00876	0.00521	1.37E-03	8.50E-04	1.29E-03	1.32E-03	1.25E-03	3.63E-04	2.16E-04	5.80E-04	3.55E-04	2.11E-04	5.66E-04	3.50E-04	2.08E-04	5.58E-04
5931	485482.48, 3857942.3	0.00832	0.00507	1.30E-03	8.28E-04	1.23E-03	1.26E-03	1.19E-03	3.45E-04	2.10E-04	5.56E-04	3.37E-04	2.05E-04	5.42E-04	3.32E-04	2.03E-04	5.35E-04
5932	485389.47, 3857942.04	0.00792	0.00494	1.24E-03	8.06E-04	1.17E-03	1.20E-03	1.13E-03	3.29E-04	2.05E-04	5.34E-04	3.21E-04	2.00E-04	5.21E-04	3.16E-04	1.97E-04	5.14E-04
5933	485296.46, 3857941.78	0.00755	0.00482	1.18E-03	7.87E-04	1.11E-03	1.14E-03	1.08E-03	3.13E-04	2.00E-04	5.13E-04	3.06E-04	1.95E-04	5.01E-04	3.02E-04	1.93E-04	4.94E-04
5934	485203.45, 3857941.52	0.00724	0.00471	1.13E-03	7.69E-04	1.07E-03	1.09E-03	1.03E-03	3.00E-04	1.95E-04	4.96E-04	2.93E-04	1.91E-04	4.84E-04	2.89E-04	1.88E-04	4.77E-04
5935	485110.43, 3857941.26	0.00693	0.00459	1.09E-03	7.49E-04	1.02E-03	1.05E-03	9.88E-04	2.88E-04	1.90E-04	4.78E-04	2.81E-04	1.86E-04	4.66E-04	2.77E-04	1.83E-04	4.60E-04
5936	485017.42, 3857940.99	0.00664	0.00447	1.04E-03	7.30E-04	9.80E-04	1.00E-03	9.47E-04	2.75E-04	1.85E-04	4.61E-04	2.69E-04	1.81E-04	4.50E-04	2.65E-04	1.79E-04	4.44E-04
5937	484924.41, 3857940.73	0.00637	0.00436	9.98E-04	7.12E-04	9.40E-04	9.63E-04	9.08E-04	2.64E-04	1.81E-04	4.45E-04	2.58E-04	1.77E-04	4.34E-04	2.54E-04	1.74E-04	4.29E-04
5938	484831.39, 3857940.47	0.00612	0.00426	9.59E-04	6.95E-04	9.03E-04	9.25E-04	8.73E-04	2.54E-04	1.77E-04	4.31E-04	2.48E-04	1.72E-04	4.20E-04	2.44E-04	1.70E-04	4.15E-04
5939	484738.12, 3857859.3	0.00613	0.00424	9.60E-04	6.92E-04	9.05E-04	9.27E-04	8.74E-04	2.54E-04	1.76E-04	4.30E-04	2.48E-04	1.72E-04	4.20E-04	2.45E-04	1.69E-04	4.14E-04
5940	484737.85, 3857778.4	0.00641	0.00433	1.00E-03	7.07E-04	9.46E-04	9.69E-04	9.14E-04	2.66E-04	1.80E-04	4.46E-04	2.60E-04	1.75E-04	4.35E-04	2.56E-04	1.73E-04	4.29E-04
5941	484737.59, 3857697.49	0.00671	0.00443	1.05E-03	7.23E-04	9.90E-04	1.01E-03	9.57E-04	2.78E-04	1.84E-04	4.62E-04	2.72E-04	1.79E-04	4.51E-04	2.68E-04	1.77E-04	4.45E-04
5942	484737.32, 3857616.59	0.00703	0.00452	1.10E-03	7.38E-04	1.04E-03	1.06E-03	1.00E-03	2.92E-04	1.88E-04	4.79E-04	2.85E-04	1.83E-04	4.68E-04	2.81E-04	1.81E-04	4.61E-04
5943	484645.53, 3857535.18	0.00706	0.00451	1.11E-03	7.36E-04	1.04E-03	1.07E-03	1.01E-03	2.93E-04	1.87E-04	4.80E-04	2.86E-04	1.83E-04	4.68E-04	2.82E-04	1.80E-04	4.62E-04
5944	484553.99, 3857534.67	0.00675	0.0044	1.06E-03	7.18E-04	9.96E-04	1.02E-03	9.62E-04	2.80E-04	1.83E-04	4.63E-04	2.73E-04	1.78E-04	4.51E-04	2.70E-04	1.76E-04	4.45E-04
5945	484462.46, 3857534.17	0.00647	0.0043	1.01E-03	7.02E-04	9.55E-04	9.78E-04	9.23E-04	2.68E-04	1.78E-04	4.47E-04	2.62E-04	1.74E-04	4.36E-04	2.58E-04	1.72E-04	4.30E-04
5946	484370.93, 3857533.66	0.00622	0.00421	9.74E-04	6.87E-04	9.18E-04	9.40E-04	8.87E-04	2.58E-04	1.75E-04	4.33E-04	2.52E-04	1.70E-04	4.22E-04	2.48E-04	1.68E-04	4.17E-04
5947	484279.4, 3857533.16	0.00599	0.00413	9.38E-04	6.74E-04	8.84E-04	9.05E-04	8.54E-04	2.49E-04	1.71E-04	4.20E-04	2.43E-04	1.67E-04	4.10E-04	2.39E-04	1.65E-04	4.04E-04
5948	484187.86, 3857532.65	0.00579	0.00405	9.07E-04	6.61E-04	8.55E-04	8.75E-04	8.26E-04	2.40E-04	1.68E-04	4.08E-04	2.34E-04	1.64E-04	3.98E-04	2.31E-04	1.62E-04	3.93E-04
5949	484096.33, 3857532.15	0.00561	0.00398	8.79E-04	6.50E-04	8.28E-04	8.48E-04	8.00E-04	2.33E-04	1.65E-04	3.98E-04	2.27E-04	1.61E-04	3.88E-04	2.24E-04	1.59E-04	3.83E-04
5950	484004.8, 3857531.64	0.00545	0.00391	8.54E-04	6.38E-04	8.04E-04	8.24E-04	7.77E-04	2.26E-04	1.62E-04	3.88E-04	2.21E-04	1.58E-04	3.79E-04	2.18E-04	1.56E-04	3.74E-04
5951	483913.27, 3857531.14	0.0053	0.00384	8.30E-04	6.27E-04	7.82E-04	8.01E-04	7.56E-04	2.20E-04	1.59E-04	3.79E-04	2.15E-04	1.55E-04	3.70E-04	2.12E-04	1.53E-04	3.65E-04
5952	483821.73, 3857530.63	0.00516	0.00378	8.08E-04	6.17E-04	7.62E-04	7.80E-04	7.36E-04	2.14E-04	1.57E-04	3.71E-04	2.09E-04	1.53E-04	3.62E-04	2.06E-04	1.51E-04	3.57E-04
5953	483729.61, 3857450.11	0.00518	0.00378	8.11E-04	6.17E-04	7.65E-04	7.83E-04	7.39E-04	2.15E-04	1.57E-04	3.72E-04	2.10E-04	1.53E-04	3.63E-04	2.07E-04	1.51E-04	3.58E-04
5954	483729.03, 3857370.08	0.00535	0.00385	8.38E-04	6.28E-04	7.90E-04	8.09E-04	7.63E-04	2.22E-04	1.60E-04	3.82E-04	2.17E-04	1.56E-04	3.72E-04	2.14E-04	1.54E-04	3.68E-04
5955	483728.44, 3857290.06	0.00553	0.00391	8.66E-04	6.38E-04	8.16E-04	8.36E-04	7.88E-04	2.29E-04	1.62E-04	3.92E-04	2.24E-04	1.58E-04	3.82E-04	2.21E-04	1.56E-04	3.77E-04
5956	483727.86, 3857210.03	0.00571	0.00398	8.94E-04	6.50E-04	8.43E-04	8.63E-04	8.14E-04	2.37E-04	1.65E-04	4.02E-04	2.31E-04	1.61E-04	3.92E-04	2.28E-04	1.59E-04	3.87E-04
5957	483641.15, 3857129.07	0.00574	0.00399	8.99E-04	6.51E-04	8.47E-04	8.68E-04	8.18E-04	2.38E-04	1.66E-04	4.04E-04	2.32E-04	1.62E-04	3.94E-04	2.29E-04	1.59E-04	3.89E-04
5958	483555.03, 3857128.14	0.00557	0.00392	8.73E-04	6.40E-04	8.22E-04	8.42E-04	7.94E-04	2.31E-04	1.63E-04	3.94E-04	2.25E-04	1.59E-04	3.84E-04	2.23E-04	1.57E-04	3.79E-04
5959	483468.91, 3857127.2	0.00541	0.00385	8.47E-04	6.28E-04	7.98E-04	8.18E-04	7.71E-04	2.24E-04	1.60E-04	3.84E-04	2.19E-04	1.56E-04	3.75E-04	2.16E-04	1.54E-04	3.70E-04
5960	483382.78, 3857126.26	0.00527	0.0038	8.26E-04	6.20E-04	7.78E-04	7.97E-04	7.51E-04	2.19E-04	1.58E-04	3.76E-04	2.13E-04	1.54E-04	3.67E-04	2.11E-04	1.52E-04	3.62E-04
5961	483296.66, 3857125.32	0.00514	0.00374	8.05E-04	6.10E-04	7.59E-04	7.77E-04	7.33E-04	2.13E-04	1.55E-04	3.68E-04	2.08E-04	1.51E-04	3.60E-04	2.05E-04	1.49E-04	3.55E-04
5962	483210.54, 3857124.39	0.00501	0.00369	7.85E-04	6.02E-04	7.39E-04	7.57E-04	7.14E-04	2.08E-04	1.53E-04	3.61E-04	2.03E-04	1.49E-04	3.52E-04	2.00E-04	1.47E-04	3.48E-04
5963	483123.4, 3857030.96	0.00505	0.00371	7.91E-04	6.06E-04	7.45E-04	7.63E-04	7.20E-04	2.10E-04	1.54E-04	3.63E-04	2.04E-04	1.50E-04	3.55E-04	2.02E-04	1.48E-04	3.50E-04
5964	483122.38, 3856938.46	0.00522	0.00378	8.18E-04	6.17E-04	7.70E-04	7.89E-04	7.44E-04	2.17E-04	1.57E-04	3.73E-04	2.11E-04	1.53E-04	3.64E-04	2.09E-04	1.51E-04	3.60E-04
5965	483121.35, 3856845.97	0.00539	0.00386	8.44E-04	6.30E-04	7.95E-04	8.15E-04	7.69E-04	2.24E-04	1.60E-04	3.84E-04	2.18E-04	1.56E-04	3.74E-04	2.15E-04	1.54E-04	3.70E-04
5966	483120.33, 3856753.47	0.00556	0.00393	8.71E-04	6.41E-04	8.21E-04	8.40E-04	7.93E-04	2.31E-04	1.63E-04	3.94E-04	2.25E-04	1.59E-04	3.84E-04	2.22E-04	1.57E-04	3.79E-04
5967	483119.31, 3856660.98	0.00575	0.004	9.01E-04	6.53E-04	8.49E-04	8.69E-04	8.20E-04	2.39E-04	1.66E-04	4.05E-04	2.33E-04	1.62E-04	3.95E-04	2.30E-04	1.60E-04	3.89E-04
5968	483118.29, 3856568.49	0.00596	0.00407	9.34E-04	6.64E-04	8.80E-04	9.01E-04	8.50E-04	2.47E-04	1.69E-04	4.16E-04	2.41E-04	1.65E-04	4.06E-04	2.38E-04	1.63E-04	4.01E-04
5969	483117.26, 3856475.99	0.0062	0.00415	9.71E-04	6.77E-04	9.15E-04	9.37E-04	8.84E-04	2.57E-04	1.72E-04	4.29E-04	2.51E-04	1.68E-04	4.19E-04	2.48E-04	1.66E-04	4.13E-04
5970	483116.24, 3856383.5	0.00646	0.00423	1.01E-03	6.90E-04	9.53E-04	9.77E-04	9.21E-04	2.68E-04	1.75E-04	4.44E-04	2.62E-04	1.71E-04	4.33E-04	2.58E-04	1.69E-04	4.27E-04
5971	483115.22, 3856291.01	0.00674	0.00432	1.06E-03	7.05E-04	9.95E-04	1.02E-03	9.61E-04	2.80E-04	1.79E-04	4.59E-04	2.73E-04	1.75E-04	4.48E-04	2.69E-04	1.73E-04	4.42E-04
5972	483114.2, 3856198.51	0.00705	0.00442	1.10E-03	7.21E-04	1.04E-03	1.07E-03	1.01E-03	2.92E-04	1.83E-04	4.76E-04	2.85E-04	1.79E-04	4.64E-04	2.82E-04	1.77E-04	4.58E-04
5973	483113.17, 3856106.02	0.00744	0.00454	1.17E-03	7.41E-04	1.10E-03	1.12E-03	1.06E-03	3.09E-04	1.88E-04	4.97E-04	3.01E-04	1.84E-04	4.85E-04	2.97E-04	1.81E-04	4.79E-04
5974	483112.15, 3856013.52	0.00787	0.00467	1.23E-03	7.62E-04	1.16E-03	1.19E-03	1.12E-03	3.27E-04	1.94E-04	5.20E-04	3.19E-04	1.89E-04	5.08E-04	3.14E-04	1.87E-04	5.01E-04
5975	483029.25, 3855920.47	0.00797	0.00473	1.25E-03	7.72E-04	1.18E-03	1.20E-03	1.14E-03	3.31E-04	1.96E-04	5.27E-04	3.23E-04	1.91E-04	5.14E-04	3.18E-04	1.89E-04	5.07E-04
5976	482947.37, 3855919.91	0.0076	0.00465	1.19E-03	7.59E-04	1.12E-03	1.15E-03	1.08E-03	3.15E-04	1.93E-04	5.08E-04	3.08E-04	1.88E-04	4.96E-04	3.04E-04	1.86E-04	4.89E-04
5977	482865.49, 3855919.36	0.00727	0.00457	1.14E-03	7.46E-04	1.07E-03	1.10E-03	1.04E-03	3.02E-04	1.90E-04	4.91E-04	2.94E-04	1.85E-04	4.79E-04	2.90E-04	1.83E-04	4.73E-04
5978	482783.61, 3855918.8	0.00699	0.0045	1.09E-03	7.35E-04	1.03E-03	1.06E-03	9.97E-04	2.90E-04	1.87E-04	4.77E-04	2.83E-04	1.82E-04	4.65E-04	2.79E-04	1.80E-04	4.59E-04
5979	482700.33, 3855818.39	0.00706	0.00456	1.11E-03	7.44E-04	1.04E-03	1.07E-03	1.01E-03	2.93E-04	1.89E-04	4.82E-04	2.86E-04	1.85E-04	4.70E-04	2.82E-04	1.82E-04	4.64E-04
5980	482698.92, 3855718.54	0.00747	0.00471	1.17E-03	7.69E-04	1.10E-03	1.13E-03	1.07E-03	3.10E-04	1.95E-04	5.05E-04	3.02E-04	1.91E-04	4.93E-04	2.98E-04	1.88E-04	4.87E-04
5981	482697.52, 3855618.68	0.00793	0.00488	1.24E-03	7.97E-04	1.17E-03	1.20E-03	1.13E-03	3.29E-04	2.02E-04	5.31E-04	3.21E-04	1.98E-04	5.19E-04	3.17E-04	1.95E-04	5.12E-04
5982	482696.11, 3855518.83	0.00849	0.00508	1.33E-03	8.29E-04	1.25E-03	1.28E-03	1.21E-03	3.52E-04	2.11E-04	5.63E-04	3.44E-04	2.06E-04	5.49E-04	3.39E-04	2.03E-04	5.42E-04
5983	482694.71, 3855418.98	0.00912	0.0053	1.43E-03	8.65E-04	1.35E-03	1.38E-03	1.30E-03	3.78E-04	2.20E-04	5.98E-04	3.69E-04	2.15E-04	5.84E-04	3.64E-04	2.12E-04	5.76E-04
5984	482693.3, 3855319.13	0.00987	0.00554	1.55E-03	9.04E-04	1.46E-03	1.49E-03	1.41E-03	4.09E-04	2.30E-04	6.39E-04	4.00E-04	2.24E-04	6.24E-04	3.94E-04	2.21E-04	6.16E-04
5985	482691.9, 3855219.27	0.01077	0.00583	1.69E-03	9.52E-04	1.59E-03	1.63E-03	1.54E-03	4.47E-04	2.42E-04	6.89E-04	4.36E-04	2.36E-04	6.72E-04	4.30E-04	2.33E-04	6.63E-04
5986	482690.49, 3855119.42	0.01185	0.00614	1.86E-03	1.00E-03	1.75E-03	1.79E-03	1.69E-03	4.92E-04	2.55E-04	7.46E-04	4.80E-04	2.49E-04	7.28E-04	4.73E-04	2.45E-04	7.19E-04
5987	482689.09, 3855019.57	0.01325	0.00652	2.08E-03	1.06E-03	1.96E-03	2.00E-03	1.89E-03	5.50E-04	2.71E-04	8.20E-04	5.36E-04	2.64E-04	8.00E-04	5.29E-04	2.60E-04	7.90E-04
5988	482687.68, 3854919.71	0.01492	0.00695	2.34E-03	1.13E-03	2.20E-03	2.26E-03	2.13E-03	6.19E-04	2.88E-04	9.07E-04	6.04E-04	2.81E-04	8.85E-04	5.96E-04	2.78E-04	8.74E-04
5989	482686.28, 3854819.86	0.01708	0.00748	2.68E-03	1.22E-03	2.52E-03	2.58E-03	2.44E-03	7.09E-04	3.10E-04	1.02E-03	6.91E-04	3.03E-04	9.94E-04	6.82E-04	2.99E-04	9.81E-04
5990	482684.88, 3854720.01	0.01965	0.00809	3.08E-03	1.32E-03	2.90E-03	2.97E-03	2.80E-03	8.15E-04	3.36E-04	1.15E-03	7.96E-04	3.28E-04	1.12E-03	7.85E-04	3.23E-04	1.11E-03
5991	482683.47, 3854620.16	0.02289	0.0089	3.59E-03	1.45E-03	3.38E-03	3.46E-03	3.26E-03	9.50E-04	3.69E-04	1.32E-03	9.27E-04	3.60E-04	1.29E-03	9.14E-04	3.56E-04	1.27E-03
5992	482682.07, 3854520.31	0.02649	0.00987	4.15E-03	1.61E-03	3.91E-03	4.00E-03	3.78E-03	1.10E-03	4.09E-04	1.51E-03	1.07E-03	4.00E-04	1.47E-03	1.06E-03	3.94E-04	1.45E-03
5993	482680.66, 3854420.45	0.03036	0.01111	4.76E-03	1.81E-03	4.48E-03	4.59E-03	4.33E-03	1.26E-03	4.61E-04	1.72E-03	1.23E-03	4.50E-04	1.68E-03	1.21E-03	4.44E-04	1.66E-03
5994	482679.26, 3854320.6	0.03378	0.01268	5.29E-03	2.07E-03	4.99E-03	5.11E-03	4.82E-03	1.40E-03	5.26E-04	1.93E-03	1.37E-03	5.13E-04	1.88E-03	1.35E-03	5.07E-04	1.86E-03
5995	482677.85, 3854220.75	0.03634	0.01489	5.69E-03	2.43E-03	5.36E-03	5.49E-03	5.18E-03	1.51E-03	6.18E-04	2.13E-03	1.47E-03	6.03E-04	2.07E-03	1.45E-03	5.95E-04	2.05E-03
5996	482676.45, 3854120.9	0.03749	0.01733	5.87E-03	2.83E-03	5.53E-03	5.67E-03	5.35E-03	1.56E-03	7.19E-04	2.27E-03	1.52E-03	7.02E-04	2.22E-03	1.50E-03	6.92E-04	2.19E-03
5997	482675.04, 3854021.04	0.03894	0.02034	6.10E-03	3.32E-03	5.75E-03	5.89E-03	5.55E-03	1.62E-03	8.44E-04	2.46E-03	1.58E-03	8.23E-04	2.40E-03	1.56E-03	8.13E-04	2.37E-03
5998	482673.64, 3853921.19	0.04041	0.02353	6.33E-03	3.84E-03	5.96E-03	6.11E-03	5.76E-03	1.68E-03	9.76E-04	2.65E-03	1.64E-03	9.53E-04	2.59E-03	1.61E-03	9.40E-04	2.55E-03
5999	482672.23, 3853821.34	0.04297	0.02723	6.73E-03	4.44E-03	6.34E-03	6.50E-03	6.13E-03	1.78E-03	1.13E-03	2.91E-03	1.74E-03	1.10E-03	2.84E-03	1.72E-03	1.09E-03	2.80E-03
6000	482670.83, 3853721.48	0.0459	0.03209	7.19E-03	5.24E-03	6.77E-03	6.94E-03	6.54E-03	1.90E-03	1.33E-03	3.24E-03	1.86E-03	1.30E-03	3.16E-03	1.83E-03	1.28E-03	3.12E-03
6001	482669.42, 3853621.63	0.04954	0.039	7.76E-03	6.37E-03	7.31E-03	7.49E-03	7.06E-03	2.06E-03	1.62E-03	3.67E-03	2.01E-03	1.58E-03	3.58E-03	1.98E-03	1.56E-03	3.54E-03
6002	482645.99, 3853446.13	0.05641	0.05192	8.84E-03	8.47E-03	8.33E-03	8.53E-03	8.04E-03	2.34E-03	2.15E-03	4.49E-03	2.28E-03	2.10E-03	4.39E-03	2.25E-03	2.07E-03	4.33E-03
6003	482623.96, 3853370.48	0.05708	0.0549	8.94E-03	8.96E-03	8.42E-03	8.63E-03	8.14E-03	2.37E-03	2.28E-03	4.65E-03	2.31E-03	2.22E-03	4.53E-03	2.28E-03	2.19E-03	4.47E-03
6004	482601.94, 3853294.84	0.05978	0.05952	9.36E-03	9.72E-03	8.82E-03	9.04E-03	8.52E-03	2.48E-03	2.47E-03	4.95E-03	2.42E-03	2.41E-03	4.83E-03	2.39E-03	2.38E-03	4.77E-03
6005	482531.29, 3853133.44	0.06873	0.06884	1.08E-02	1.12E-02	1.01E-02	1.04E-02	9.80E-03	2.85E-03	2.86E-03	5.71E-03	2.78E-03	2.79E-03	5.57E-03	2.75E-03	2.75E-03	5.50E-03
6006	482482.68, 3853047.69	0.07388	0.07446	1.16E-02	1.22E-02	1.09E-02	1.12E-02	1.05E-02	3.07E-03	3.09E-03	6.15E-03	2.99E-03	3.01E-03	6.01E-03	2.95E-03	2.97E-03	5.93E-03
6007	482383.08, 3852897.4	0.10916	0.11119	1.71E-02	1.81E-02	1.61E-02	1.65E-02	1.56E-02	4.53E-03	4.61E-03	9.14E-03	4.42E-03	4.50E-03	8.92E-03	4.36E-03	4.44E-03	8.80E-03
6008	482265.64, 3852765.26	0.12321	0.1256	1.93E-02	2.05E-02	1.82E-02	1.86E-02	1.76E-02	5.11E-03	5.21E-03	1.03E-02	4.99E-03	5.08E-03	1.01E-02	4.92E-03	5.02E-03	9.94E-03
6009	482199.16, 3852697.66	0.12202	0.1243	1.91E-02	2.03E-02	1.80E-02	1.84E-02	1.74E-02	5.06E-03	5.16E-03	1.02E-02	4.94E-03	5.03E-03	9.97E-03	4.87E-03	4.97E-03	9.84E-03
6010	482132.69, 3852630.07	0.11977	0.12198	1.88E-02	1.99E-02	1.77E-02	1.81E-02	1.71E-02	4.97E-03	5.06E-03	1.00E-02	4.85E-03	4.94E-03	9.79E-03	4.78E-03	4.87E-03	9.66E-03
6011	482066.21, 3852562.48	0.11866	0.12079	1.86E-02	1.97E-02	1.75E-02	1.79E-02	1.69E-02	4.92E-03	5.01E-03	9.93E-03	4.80E-03	4.89E-03	9.69E-03	4.74E-03	4.83E-03	9.57E-03
6012	481999.74, 3852494.89	0.11655	0.11861	1.83E-02	1.94E-02	1.72E-02	1.76E-02	1.66E-02	4.84E-03	4.92E-03	9.76E-03	4.72E-03	4.80E-03	9.52E-03	4.66E-03	4.74E-03	9.39E-03
6013	481933.26, 3852427.29	0.11319	0.11523	1.77E-02	1.88E-02	1.67E-02	1.71E-02	1.61E-02	4.70E-03	4.78E-03	9.48E-03	4.58E-03	4.67E-03	9.25E-03	4.52E-03	4.60E-03	9.12E-03
6014	481866.79, 3852359.7	0.11251	0.11451	1.76E-02	1.87E-02	1.66E-02	1.70E-02	1.60E-02	4.67E-03	4.75E-03	9.42E-03	4.55E-03	4.64E-03	9.19E-03	4.49E-03	4.57E-03	9.07E-03
6015	481800.31, 3852292.11	0.10959	0.11145	1.72E-02	1.82E-02	1.62E-02	1.66E-02	1.56E-02	4.55E-03	4.62E-03	9.17E-03	4.44E-03	4.51E-03	8.95E-03	4.38E-03	4.45E-03	8.83E-03
6016	481733.84, 3852224.52	0.10759	0.1094	1.69E-02	1.79E-02	1.59E-02	1.63E-02	1.53E-02	4.46E-03	4.54E-03	9.00E-03	4.36E-03	4.43E-03	8.78E-03	4.30E-03	4.37E-03	8.67E-03
6017	481667.36, 3852156.92	0.10752	0.10931	1.68E-02	1.78E-02	1.59E-02	1.63E-02	1.53E-02	4.46E-03	4.54E-03	9.00E-03	4.35E-03	4.43E-03	8.78E-03	4.30E-03	4.37E-03	8.66E-03
6018	481600.89, 3852089.33	0.10533	0.10705	1.65E-02	1.75E-02	1.55E-02	1.59E-02	1.50E-02	4.37E-03	4.44E-03	8.81E-03	4.26E-03	4.33E-03	8.60E-03	4.21E-03	4.28E-03	8.48E-03
6019	481534.41, 3852021.74	0.1046	0.10634	1.64E-02	1.74E-02	1.54E-02	1.58E-02	1.49E-02	4.34E-03	4.41E-03	8.75E-03	4.23E-03	4.31E-03	8.54E-03	4.18E-03	4.25E-03	8.43E-03
6020	481467.94, 3851954.15	0.10386	0.10554	1.63E-02	1.72E-02	1.53E-02	1.57E-02	1.48E-02	4.31E-03	4.38E-03	8.69E-03	4.20E-03	4.27E-03	8.48E-03	4.15E-03	4.22E-03	8.36E-03
6021	481401.46, 3851886.55	0.10355	0.10522	1.62E-02	1.72E-02	1.53E-02	1.57E-02	1.48E-02	4.30E-03	4.37E-03	8.66E-03	4.19E-03	4.26E-03	8.45E-03	4.14E-03	4.20E-03	8.34E-03
6022	481265.87, 3851761.43	0.09096	0.09223	1.42E-02	1.51E-02	1.34E-02	1.37E-02	1.30E-02	3.77E-03	3.83E-03	7.60E-03	3.68E-03	3.73E-03	7.42E-03	3.63E-03	3.68E-03	7.32E-03
6023	481196.74, 3851703.89	0.0851	0.08588	1.33E-02	1.40E-02	1.26E-02	1.29E-02	1.21E-02	3.53E-03	3.56E-03	7.09E-03	3.45E-03	3.48E-03	6.92E-03	3.40E-03	3.43E-03	6.83E-03
6024	481076.33, 3851619.04	0.08273	0.0827	1.30E-02	1.35E-02	1.22E-02	1.25E-02	1.18E-02	3.43E-03	3.43E-03	6.86E-03	3.35E-03	3.35E-03	6.70E-03	3.30E-03	3.30E-03	6.61E-03
6025	480939.8, 3851549.07	0.08024	0.0797	1.26E-02	1.30E-02	1.18E-02	1.21E-02	1.14E-02	3.33E-03	3.31E-03	6.64E-03	3.25E-03	3.23E-03	6.48E-03	3.21E-03	3.18E-03	6.39E-03
6026	480854.56, 3851506.41	0.0806	0.08036	1.26E-02	1.31E-02	1.19E-02	1.22E-02	1.15E-02	3.34E-03	3.33E-03	6.68E-03	3.26E-03	3.25E-03	6.52E-03	3.22E-03	3.21E-03	6.43E-03
6027	480769.32, 3851463.75	0.08153	0.08167	1.28E-02	1.33E-02	1.20E-02	1.23E-02	1.16E-02	3.38E-03	3.39E-03	6.77E-03	3.30E-03	3.31E-03	6.61E-03	3.26E-03	3.26E-03	6.52E-03
6028	480684.08, 3851421.08	0.08253	0.08308	1.29E-02	1.36E-02	1.22E-02	1.25E-02	1.18E-02	3.42E-03	3.45E-03	6.87E-03	3.34E-03	3.36E-03	6.70E-03	3.30E-03	3.32E-03	6.62E-03

6029	480598.84, 3851378.42	0.08257	0.08355	1.29E-02	1.36E-02	1.22E-02	1.25E-02	1.18E-02	3.43E-03	3.47E-03	6.89E-03	3.34E-03	3.38E-03	6.73E-03	3.30E-03	3.34E-03	6.64E-03
6030	480435.71, 3851275.01	0.11171	0.11469	1.75E-02	1.87E-02	1.65E-02	1.69E-02	1.59E-02	4.63E-03	4.76E-03	9.39E-03	4.52E-03	4.64E-03	9.17E-03	4.46E-03	4.58E-03	9.04E-03
6031	480347.85, 3851232.36	0.11013	0.11384	1.73E-02	1.86E-02	1.63E-02	1.66E-02	1.57E-02	4.57E-03	4.72E-03	9.29E-03	4.46E-03	4.61E-03	9.07E-03	4.40E-03	4.55E-03	8.95E-03
6032	480260, 3851189.72	0.10855	0.11298	1.70E-02	1.84E-02	1.60E-02	1.64E-02	1.55E-02	4.50E-03	4.69E-03	9.19E-03	4.39E-03	4.57E-03	8.97E-03	4.34E-03	4.51E-03	8.85E-03
6033	480172.15, 3851147.07	0.1072	0.11233	1.68E-02	1.83E-02	1.58E-02	1.62E-02	1.53E-02	4.45E-03	4.66E-03	9.11E-03	4.34E-03	4.55E-03	8.89E-03	4.28E-03	4.49E-03	8.77E-03
6034	480084.29, 3851104.42	0.1059	0.11158	1.66E-02	1.82E-02	1.56E-02	1.60E-02	1.51E-02	4.39E-03	4.63E-03	9.02E-03	4.29E-03	4.52E-03	8.80E-03	4.23E-03	4.46E-03	8.69E-03
6035	479996.44, 3851061.77	0.10493	0.1111	1.64E-02	1.81E-02	1.55E-02	1.59E-02	1.50E-02	4.35E-03	4.61E-03	8.96E-03	4.25E-03	4.50E-03	8.75E-03	4.19E-03	4.44E-03	8.63E-03
6036	479908.58, 3851019.13	0.10662	0.11354	1.67E-02	1.85E-02	1.57E-02	1.61E-02	1.52E-02	4.42E-03	4.71E-03	9.13E-03	4.32E-03	4.60E-03	8.91E-03	4.26E-03	4.54E-03	8.79E-03
6037	479820.73, 3850976.48	0.10546	0.11288	1.65E-02	1.84E-02	1.56E-02	1.59E-02	1.50E-02	4.38E-03	4.68E-03	9.06E-03	4.27E-03	4.57E-03	8.84E-03	4.21E-03	4.51E-03	8.72E-03
6038	479732.88, 3850933.83	0.10448	0.11229	1.64E-02	1.83E-02	1.54E-02	1.58E-02	1.49E-02	4.33E-03	4.66E-03	8.99E-03	4.23E-03	4.55E-03	8.78E-03	4.17E-03	4.49E-03	8.66E-03
6039	479645.02, 3850891.18	0.10415	0.11208	1.63E-02	1.83E-02	1.54E-02	1.57E-02	1.49E-02	4.32E-03	4.65E-03	8.97E-03	4.22E-03	4.54E-03	8.75E-03	4.16E-03	4.48E-03	8.64E-03
6040	479557.17, 3850848.54	0.10338	0.11099	1.62E-02	1.81E-02	1.53E-02	1.56E-02	1.47E-02	4.29E-03	4.60E-03	8.89E-03	4.19E-03	4.49E-03	8.68E-03	4.13E-03	4.43E-03	8.56E-03
6041	479469.32, 3850805.89	0.10445	0.11192	1.64E-02	1.83E-02	1.54E-02	1.58E-02	1.49E-02	4.33E-03	4.64E-03	8.98E-03	4.23E-03	4.53E-03	8.76E-03	4.17E-03	4.47E-03	8.64E-03
6042	479381.46, 3850763.24	0.10355	0.11068	1.62E-02	1.81E-02	1.53E-02	1.57E-02	1.48E-02	4.30E-03	4.59E-03	8.89E-03	4.19E-03	4.48E-03	8.67E-03	4.14E-03	4.42E-03	8.56E-03
6043	479293.61, 3850720.59	0.10178	0.10861	1.59E-02	1.77E-02	1.50E-02	1.54E-02	1.45E-02	4.22E-03	4.51E-03	8.73E-03	4.12E-03	4.40E-03	8.52E-03	4.07E-03	4.34E-03	8.40E-03
6044	479205.76, 3850677.95	0.10052	0.10712	1.57E-02	1.75E-02	1.48E-02	1.52E-02	1.43E-02	4.17E-03	4.44E-03	8.61E-03	4.07E-03	4.34E-03	8.41E-03	4.02E-03	4.28E-03	8.29E-03
6045	479117.9, 3850635.3	0.0973	0.10332	1.52E-02	1.69E-02	1.44E-02	1.47E-02	1.39E-02	4.04E-03	4.29E-03	8.32E-03	3.94E-03	4.18E-03	8.12E-03	3.89E-03	4.13E-03	8.01E-03
6046	479030.05, 3850592.65	0.09454	0.09998	1.48E-02	1.63E-02	1.40E-02	1.43E-02	1.35E-02	3.92E-03	4.15E-03	8.07E-03	3.83E-03	4.05E-03	7.88E-03	3.78E-03	3.99E-03	7.77E-03
6047	478942.19, 3850550	0.09619	0.10157	1.51E-02	1.66E-02	1.42E-02	1.45E-02	1.37E-02	3.99E-03	4.21E-03	8.20E-03	3.89E-03	4.11E-03	8.01E-03	3.84E-03	4.06E-03	7.90E-03
6048	478854.34, 3850507.36	0.10276	0.10836	1.61E-02	1.77E-02	1.52E-02	1.55E-02	1.47E-02	4.26E-03	4.50E-03	8.76E-03	4.16E-03	4.39E-03	8.55E-03	4.10E-03	4.33E-03	8.43E-03
6049	478766.49, 3850464.71	0.10318	0.10848	1.62E-02	1.77E-02	1.52E-02	1.56E-02	1.47E-02	4.28E-03	4.50E-03	8.78E-03	4.18E-03	4.39E-03	8.57E-03	4.12E-03	4.33E-03	8.46E-03
6050	478678.63, 3850422.06	0.10303	0.1081	1.61E-02	1.76E-02	1.52E-02	1.56E-02	1.47E-02	4.27E-03	4.48E-03	8.76E-03	4.17E-03	4.38E-03	8.55E-03	4.12E-03	4.32E-03	8.43E-03
6051	478590.78, 3850379.41	0.10324	0.10807	1.62E-02	1.76E-02	1.52E-02	1.56E-02	1.47E-02	4.28E-03	4.48E-03	8.77E-03	4.18E-03	4.38E-03	8.55E-03	4.12E-03	4.32E-03	8.44E-03
6052	478502.93, 3850336.77	0.103	0.10757	1.61E-02	1.76E-02	1.52E-02	1.56E-02	1.47E-02	4.27E-03	4.46E-03	8.74E-03	4.17E-03	4.35E-03	8.52E-03	4.11E-03	4.30E-03	8.41E-03
6053	478415.07, 3850294.12	0.10204	0.10627	1.60E-02	1.73E-02	1.51E-02	1.54E-02	1.45E-02	4.23E-03	4.41E-03	8.64E-03	4.13E-03	4.30E-03	8.43E-03	4.08E-03	4.25E-03	8.32E-03
6054	478327.22, 3850251.47	0.10264	0.1067	1.61E-02	1.74E-02	1.51E-02	1.55E-02	1.46E-02	4.26E-03	4.43E-03	8.69E-03	4.16E-03	4.32E-03	8.47E-03	4.10E-03	4.26E-03	8.36E-03
6055	478239.36, 3850208.82	0.10275	0.10659	1.61E-02	1.74E-02	1.52E-02	1.55E-02	1.47E-02	4.26E-03	4.42E-03	8.69E-03	4.16E-03	4.32E-03	8.47E-03	4.10E-03	4.26E-03	8.36E-03
6056	478151.51, 3850166.18	0.10259	0.10617	1.61E-02	1.73E-02	1.51E-02	1.55E-02	1.46E-02	4.26E-03	4.40E-03	8.66E-03	4.15E-03	4.30E-03	8.45E-03	4.10E-03	4.24E-03	8.34E-03
6057	478063.66, 3850123.53	0.10216	0.10547	1.60E-02	1.72E-02	1.51E-02	1.54E-02	1.46E-02	4.24E-03	4.38E-03	8.61E-03	4.14E-03	4.27E-03	8.41E-03	4.08E-03	4.21E-03	8.29E-03
6058	477975.8, 3850080.88	0.09969	0.10273	1.56E-02	1.68E-02	1.47E-02	1.51E-02	1.42E-02	4.14E-03	4.26E-03	8.40E-03	4.04E-03	4.16E-03	8.19E-03	3.98E-03	4.10E-03	8.09E-03
6059	477887.95, 3850038.23	0.09921	0.10206	1.55E-02	1.67E-02	1.46E-02	1.50E-02	1.41E-02	4.12E-03	4.23E-03	8.35E-03	4.02E-03	4.13E-03	8.15E-03	3.96E-03	4.08E-03	8.04E-03
6060	477800.1, 3849995.59	0.09775	0.10035	1.53E-02	1.64E-02	1.44E-02	1.48E-02	1.39E-02	4.06E-03	4.16E-03	8.22E-03	3.96E-03	4.06E-03	8.02E-03	3.90E-03	4.01E-03	7.91E-03
6061	477712.24, 3849952.94	0.09812	0.1005	1.54E-02	1.64E-02	1.45E-02	1.48E-02	1.40E-02	4.07E-03	4.17E-03	8.24E-03	3.97E-03	4.07E-03	8.04E-03	3.92E-03	4.01E-03	7.93E-03
6062	477624.39, 3849910.29	0.09804	0.10021	1.54E-02	1.64E-02	1.45E-02	1.48E-02	1.40E-02	4.07E-03	4.16E-03	8.22E-03	3.97E-03	4.06E-03	8.03E-03	3.92E-03	4.00E-03	7.92E-03
6063	477536.54, 3849867.64	0.0967	0.09863	1.51E-02	1.61E-02	1.43E-02	1.46E-02	1.38E-02	4.01E-03	4.09E-03	8.10E-03	3.91E-03	3.99E-03	7.91E-03	3.86E-03	3.94E-03	7.80E-03
6064	477448.68, 3849825	0.09631	0.09804	1.51E-02	1.60E-02	1.42E-02	1.46E-02	1.37E-02	4.00E-03	4.07E-03	8.06E-03	3.90E-03	3.97E-03	7.87E-03	3.85E-03	3.92E-03	7.76E-03
6065	477360.83, 3849782.35	0.09543	0.09696	1.49E-02	1.58E-02	1.41E-02	1.44E-02	1.36E-02	3.96E-03	4.02E-03	7.98E-03	3.86E-03	3.93E-03	7.79E-03	3.81E-03	3.87E-03	7.69E-03
6066	477272.97, 3849739.7	0.09403	0.0953	1.47E-02	1.56E-02	1.39E-02	1.42E-02	1.34E-02	3.90E-03	3.95E-03	7.85E-03	3.81E-03	3.86E-03	7.66E-03	3.76E-03	3.81E-03	7.56E-03
6067	477185.12, 3849697.05	0.09365	0.09472	1.47E-02	1.55E-02	1.38E-02	1.42E-02	1.34E-02	3.89E-03	3.93E-03	7.82E-03	3.79E-03	3.83E-03	7.63E-03	3.74E-03	3.78E-03	7.52E-03
6068	477097.27, 3849654.41	0.09477	0.09566	1.48E-02	1.56E-02	1.40E-02	1.43E-02	1.35E-02	3.93E-03	3.97E-03	7.90E-03	3.84E-03	3.87E-03	7.71E-03	3.79E-03	3.82E-03	7.61E-03
6069	477009.41, 3849611.76	0.09781	0.09852	1.53E-02	1.61E-02	1.44E-02	1.48E-02	1.39E-02	4.06E-03	4.09E-03	8.15E-03	3.96E-03	3.99E-03	7.95E-03	3.91E-03	3.94E-03	7.84E-03
6070	476841.49, 3849530.08	0.0986	0.09894	1.54E-02	1.61E-02	1.46E-02	1.49E-02	1.41E-02	4.09E-03	4.10E-03	8.20E-03	3.99E-03	4.01E-03	8.00E-03	3.94E-03	3.95E-03	7.89E-03
6071	476761.41, 3849491.05	0.09854	0.09873	1.54E-02	1.61E-02	1.45E-02	1.49E-02	1.41E-02	4.09E-03	4.10E-03	8.18E-03	3.99E-03	4.00E-03	7.99E-03	3.94E-03	3.94E-03	7.88E-03
6072	476681.34, 3849452.02	0.10104	0.10109	1.58E-02	1.65E-02	1.49E-02	1.53E-02	1.44E-02	4.19E-03	4.19E-03	8.39E-03	4.09E-03	4.09E-03	8.18E-03	4.04E-03	4.04E-03	8.07E-03
6073	476601.26, 3849412.99	0.10609	0.10602	1.66E-02	1.73E-02	1.57E-02	1.60E-02	1.51E-02	4.40E-03	4.40E-03	8.80E-03	4.29E-03	4.29E-03	8.59E-03	4.24E-03	4.24E-03	8.47E-03
6074	476456.32, 3849353.67	0.12213	0.12221	1.91E-02	1.99E-02	1.80E-02	1.85E-02	1.74E-02	5.07E-03	5.07E-03	1.01E-02	4.94E-03	4.95E-03	9.89E-03	4.88E-03	4.88E-03	9.76E-03
6075	476305.43, 3849318.83	0.11671	0.11746	1.83E-02	1.92E-02	1.72E-02	1.76E-02	1.66E-02	4.84E-03	4.87E-03	9.72E-03	4.72E-03	4.76E-03	9.48E-03	4.66E-03	4.69E-03	9.35E-03
6076	476129.36, 3849289.99	0.10593	0.10679	1.66E-02	1.74E-02	1.56E-02	1.60E-02	1.51E-02	4.39E-03	4.43E-03	8.83E-03	4.29E-03	4.32E-03	8.61E-03	4.23E-03	4.27E-03	8.50E-03
6077	476039.31, 3849275.68	0.10217	0.10287	1.60E-02	1.68E-02	1.51E-02	1.54E-02	1.46E-02	4.24E-03	4.27E-03	8.51E-03	4.14E-03	4.16E-03	8.30E-03	4.08E-03	4.11E-03	8.19E-03
6078	475949.26, 3849261.38	0.10354	0.10409	1.62E-02	1.70E-02	1.53E-02	1.57E-02	1.48E-02	4.30E-03	4.32E-03	8.61E-03	4.19E-03	4.21E-03	8.41E-03	4.14E-03	4.16E-03	8.29E-03
6079	475859.21, 3849247.08	0.09811	0.09849	1.54E-02	1.61E-02	1.45E-02	1.48E-02	1.40E-02	4.07E-03	4.09E-03	8.16E-03	3.97E-03	3.99E-03	7.96E-03	3.92E-03	3.93E-03	7.85E-03
6080	475769.16, 3849232.77	0.09404	0.0943	1.47E-02	1.54E-02	1.39E-02	1.42E-02	1.34E-02	3.90E-03	3.91E-03	7.81E-03	3.81E-03	3.82E-03	7.62E-03	3.76E-03	3.77E-03	7.52E-03
6081	475585.22, 3849219.27	0.05476	0.05507	8.58E-03	8.99E-03	8.08E-03	8.28E-03	7.81E-03	2.27E-03	2.28E-03	4.56E-03	2.22E-03	2.23E-03	4.45E-03	2.19E-03	2.20E-03	4.39E-03
6082	475444.49, 3849150.34	0.10805	0.10854	1.69E-02	1.77E-02	1.59E-02	1.63E-02	1.54E-02	4.48E-03	4.50E-03	8.99E-03	4.37E-03	4.39E-03	8.77E-03	4.32E-03	4.34E-03	8.65E-03
6083	475334.17, 3849118.71	0.08993	0.09028	1.41E-02	1.47E-02	1.33E-02	1.36E-02	1.28E-02	3.73E-03	3.75E-03	7.48E-03	3.64E-03	3.65E-03	7.30E-03	3.59E-03	3.61E-03	7.20E-03
6084	475230.46, 3849060.57	0.10578	0.10622	1.66E-02	1.73E-02	1.56E-02	1.60E-02	1.51E-02	4.39E-03	4.41E-03	8.80E-03	4.28E-03	4.30E-03	8.58E-03	4.23E-03	4.24E-03	8.47E-03
6085	475110.86, 3848960.97	0.12204	0.12319	1.91E-02	2.01E-02	1.80E-02	1.84E-02	1.74E-02	5.06E-03	5.11E-03	1.02E-02	4.94E-03	4.99E-03	9.93E-03	4.88E-03	4.92E-03	9.80E-03
6086	475037.79, 3848896.28	0.12794	0.12915	2.00E-02	2.11E-02	1.89E-02	1.93E-02	1.82E-02	5.31E-03	5.36E-03	1.07E-02	5.18E-03	5.23E-03	1.04E-02	5.11E-03	5.16E-03	1.03E-02
6087	474964.72, 3848831.59	0.13322	0.13444	2.09E-02	2.19E-02	1.97E-02	2.01E-02	1.90E-02	5.53E-03	5.58E-03	1.11E-02	5.39E-03	5.44E-03	1.08E-02	5.32E-03	5.37E-03	1.07E-02
6088	474891.65, 3848766.9	0.13642	0.13764	2.14E-02	2.25E-02	2.01E-02	2.06E-02	1.95E-02	5.66E-03	5.71E-03	1.14E-02	5.52E-03	5.57E-03	1.11E-02	5.45E-03	5.50E-03	1.09E-02
6089	474818.58, 3848702.22	0.14186	0.14308	2.22E-02	2.34E-02	2.09E-02	2.14E-02	2.02E-02	5.89E-03	5.94E-03	1.18E-02	5.74E-03	5.79E-03	1.15E-02	5.67E-03	5.72E-03	1.14E-02
6090	474745.51, 3848637.53	0.13704	0.13817	2.15E-02	2.26E-02	2.02E-02	2.07E-02	1.95E-02	5.69E-03	5.73E-03	1.14E-02	5.55E-03	5.59E-03	1.11E-02	5.47E-03	5.52E-03	1.10E-02
6091	474672.44, 3848572.84	0.14037	0.14148	2.20E-02	2.31E-02	2.07E-02	2.12E-02	2.00E-02	5.82E-03	5.87E-03	1.17E-02	5.68E-03	5.73E-03	1.14E-02	5.61E-03	5.65E-03	1.13E-02
6092	474599.37, 3848508.15	0.14912	0.15025	2.34E-02	2.45E-02	2.20E-02	2.25E-02	2.13E-02	6.19E-03	6.23E-03	1.24E-02	6.04E-03	6.08E-03	1.21E-02	5.96E-03	6.00E-03	1.20E-02
6093	474526.3, 3848443.46	0.15357	0.1547	2.41E-02	2.53E-02	2.27E-02	2.32E-02	2.19E-02	6.37E-03	6.42E-03	1.28E-02	6.22E-03	6.26E-03	1.25E-02	6.13E-03	6.18E-03	1.23E-02

Mainline - No Project

			2028	2033	2048	Residential Dose							Risk by Age Group								Student		Worker		Park	
Rec#	X	Y	Conc	Conc	Conc	3rd	0<2	2<9 (2028)	2<9 (2033)	9<16	16<30 (2033)	16<30 (2048)	3rd	0<2	2<9 (2028)	2<9 (2033)	9<16	16<30 (2033)	16<30 (2048)	Total Risk	Dose	Risk	Dose	Risk	Dose	Risk
1	485973.61	3854936.51	1.19E-03	1.21E-03	1.14E-03	4.10E-07	1.24E-06	7.17E-07	7.34E-07	6.66E-07	3.04E-07	2.87E-07	1.37E-08	3.31E-07	7.30E-08	9.97E-08	1.58E-07	2.79E-08	1.89E-08	7.22E-07	3.74E-07	1.59E-07	1.87E-07	7.33E-08	3.74E-07	1.59E-07
2	486023.61	3854936.51	1.16E-03	1.19E-03	1.12E-03	4.03E-07	1.22E-06	7.05E-07	7.22E-07	6.54E-07	2.98E-07	2.82E-07	1.35E-08	3.25E-07	7.17E-08	9.80E-08	1.55E-07	2.74E-08	1.86E-08	7.10E-07	3.68E-07	1.56E-07	1.83E-07	7.21E-08	3.68E-07	1.56E-07
3	486073.61	3854936.51	1.15E-03	1.18E-03	1.11E-03	3.97E-07	1.20E-06	6.95E-07	7.12E-07	6.45E-07	2.94E-07	2.78E-07	1.33E-08	3.21E-07	7.07E-08	9.66E-08	1.53E-07	2.70E-08	1.83E-08	7.00E-07	3.62E-07	1.54E-07	1.81E-07	7.11E-08	3.62E-07	1.54E-07
4	486123.61	3854936.51	1.12E-03	1.15E-03	1.09E-03	3.89E-07	1.17E-06	6.80E-07	6.96E-07	6.31E-07	2.88E-07	2.72E-07	1.30E-08	3.14E-07	6.92E-08	9.45E-08	1.50E-07	2.64E-08	1.79E-08	6.85E-07	3.54E-07	1.50E-07	1.77E-07	6.95E-08	3.54E-07	1.50E-07
5	486173.61	3854936.51	1.11E-03	1.14E-03	1.08E-03	3.85E-07	1.16E-06	6.73E-07	6.90E-07	6.25E-07	2.85E-07	2.69E-07	1.29E-08	3.11E-07	6.86E-08	9.36E-08	1.49E-07	2.62E-08	1.77E-08	6.78E-07	3.51E-07	1.49E-07	1.75E-07	6.89E-08	3.51E-07	1.49E-07
6	486223.61	3854936.51	1.10E-03	1.12E-03	1.06E-03	3.79E-07	1.14E-06	6.63E-07	6.79E-07	6.15E-07	2.81E-07	2.65E-07	1.27E-08	3.06E-07	6.75E-08	9.21E-08	1.46E-07	2.58E-08	1.75E-08	6.67E-07	3.46E-07	1.47E-07	1.73E-07	6.78E-08	3.46E-07	1.47E-07
7	486273.61	3854936.51	1.08E-03	1.11E-03	1.04E-03	3.74E-07	1.13E-06	6.54E-07	6.70E-07	6.07E-07	2.77E-07	2.61E-07	1.25E-08	3.02E-07	6.66E-08	9.09E-08	1.44E-07	2.54E-08	1.72E-08	6.58E-07	3.41E-07	1.45E-07	1.70E-07	6.69E-08	3.41E-07	1.45E-07
8	486323.61	3854936.51	1.07E-03	1.09E-03	1.03E-03	3.69E-07	1.12E-06	6.46E-07	6.61E-07	5.99E-07	2.74E-07	2.58E-07	1.23E-08	2.98E-07	6.57E-08	8.98E-08	1.42E-07	2.51E-08	1.70E-08	6.50E-07	3.37E-07	1.43E-07	1.68E-07	6.60E-08	3.37E-07	1.43E-07
9	485973.61	3854986.51	1.21E-03	1.24E-03	1.17E-03	4.20E-07	1.27E-06	7.35E-07	7.53E-07	6.82E-07	3.11E-07	2.94E-07	1.40E-08	3.39E-07	7.48E-08	1.02E-07	1.62E-07	2.86E-08	1.94E-08	7.40E-07	3.83E-07	1.63E-07	1.91E-07	7.52E-08	3.83E-07	1.63E-07
10	486023.61	3854986.51	1.20E-03	1.22E-03	1.15E-03	4.14E-07	1.25E-06	7.23E-07	7.41E-07	6.72E-07	3.06E-07	2.89E-07	1.38E-08	3.34E-07	7.37E-08	1.01E-07	1.60E-07	2.81E-08	1.91E-08	7.29E-07	3.77E-07	1.60E-07	1.88E-07	7.40E-08	3.77E-07	1.60E-07
11	486073.61	3854986.51	1.17E-03	1.20E-03	1.13E-03	4.06E-07	1.23E-06	7.10E-07	7.27E-07	6.59E-07	3.01E-07	2.84E-07	1.36E-08	3.28E-07	7.23E-08	9.87E-08	1.57E-07	2.76E-08	1.87E-08	7.15E-07	3.70E-07	1.57E-07	1.85E-07	7.26E-08	3.70E-07	1.57E-07
12	486123.61	3854986.51	1.15E-03	1.18E-03	1.12E-03	4.00E-07	1.21E-06	6.98E-07	7.15E-07	6.48E-07	2.96E-07	2.79E-07	1.33E-08	3.22E-07	7.11E-08	9.71E-08	1.54E-07	2.72E-08	1.84E-08	7.03E-07	3.64E-07	1.55E-07	1.82E-07	7.14E-08	3.64E-07	1.55E-07
13	486173.61	3854986.51	1.14E-03	1.17E-03	1.10E-03	3.94E-07	1.19E-06	6.89E-07	7.06E-07	6.40E-07	2.92E-07	2.75E-07	1.32E-08	3.18E-07	7.02E-08	9.59E-08	1.52E-07	2.68E-08	1.82E-08	6.94E-07	3.60E-07	1.53E-07	1.79E-07	7.05E-08	3.60E-07	1.53E-07
14	486223.61	3854986.51	1.12E-03	1.15E-03	1.08E-03	3.88E-07	1.17E-06	6.78E-07	6.94E-07	6.29E-07	2.87E-07	2.71E-07	1.29E-08	3.13E-07	6.90E-08	9.43E-08	1.50E-07	2.64E-08	1.79E-08	6.83E-07	3.54E-07	1.50E-07	1.76E-07	6.93E-08	3.54E-07	1.50E-07
15	486273.61	3854986.51	1.10E-03	1.13E-03	1.06E-03	3.81E-07	1.15E-06	6.65E-07	6.81E-07	6.18E-07	2.82E-07	2.66E-07	1.27E-08	3.07E-07	6.77E-08	9.25E-08	1.47E-07	2.59E-08	1.75E-08	6.70E-07	3.47E-07	1.47E-07	1.73E-07	6.80E-08	3.47E-07	1.47E-07
16	486323.61	3854986.51	1.09E-03	1.12E-03	1.06E-03	3.79E-07	1.14E-06	6.62E-07	6.78E-07	6.14E-07	2.80E-07	2.64E-07	1.26E-08	3.05E-07	6.74E-08	9.20E-08	1.46E-07	2.57E-08	1.74E-08	6.67E-07	3.45E-07	1.46E-07	1.72E-07	6.77E-08	3.45E-07	1.46E-07
17	485973.61	3855036.51	1.25E-03	1.28E-03	1.20E-03	4.31E-07	1.30E-06	7.54E-07	7.72E-07	7.00E-07	3.19E-07	3.01E-07	1.44E-08	3.48E-07	7.67E-08	1.05E-07	1.66E-07	2.93E-08	1.99E-08	7.59E-07	3.93E-07	1.67E-07	1.96E-07	7.71E-08	3.93E-07	1.67E-07
18	486023.61	3855036.51	1.22E-03	1.25E-03	1.18E-03	4.24E-07	1.28E-06	7.41E-07	7.59E-07	6.88E-07	3.14E-07	2.96E-07	1.42E-08	3.42E-07	7.55E-08	1.03E-07	1.64E-07	2.88E-08	1.95E-08	7.47E-07	3.87E-07	1.64E-07	1.93E-07	7.58E-08	3.87E-07	1.64E-07
19	486073.61	3855036.51	1.20E-03	1.23E-03	1.16E-03	4.15E-07	1.25E-06	7.26E-07	7.44E-07	6.74E-07	3.08E-07	2.90E-07	1.39E-08	3.35E-07	7.39E-08	1.01E-07	1.60E-07	2.82E-08	1.91E-08	7.31E-07	3.79E-07	1.61E-07	1.89E-07	7.43E-08	3.79E-07	1.61E-07
20	486123.61	3855036.51	1.18E-03	1.21E-03	1.14E-03	4.08E-07	1.23E-06	7.14E-07	7.31E-07	6.62E-07	3.02E-07	2.85E-07	1.36E-08	3.29E-07	7.27E-08	9.92E-08	1.57E-07	2.77E-08	1.88E-08	7.19E-07	3.72E-07	1.58E-07	1.86E-07	7.30E-08	3.72E-07	1.58E-07
21	486173.61	3855036.51	1.17E-03	1.19E-03	1.13E-03	4.04E-07	1.22E-06	7.05E-07	7.23E-07	6.55E-07	2.99E-07	2.82E-07	1.35E-08	3.26E-07	7.18E-08	9.81E-08	1.56E-07	2.74E-08	1.86E-08	7.11E-07	3.68E-07	1.56E-07	1.84E-07	7.22E-08	3.68E-07	1.56E-07
22	486223.61	3855036.51	1.14E-03	1.17E-03	1.11E-03	3.96E-07	1.20E-06	6.92E-07	7.09E-07	6.43E-07	2.93E-07	2.77E-07	1.32E-08	3.19E-07	7.05E-08	9.62E-08	1.53E-07	2.69E-08	1.82E-08	6.97E-07	3.61E-07	1.53E-07	1.80E-07	7.08E-08	3.61E-07	1.53E-07
23	486273.61	3855036.51	1.13E-03	1.16E-03	1.09E-03	3.92E-07	1.18E-06	6.85E-07	7.02E-07	6.36E-07	2.90E-07	2.74E-07	1.31E-08	3.16E-07	6.97E-08	9.52E-08	1.51E-07	2.66E-08	1.81E-08	6.90E-07	3.57E-07	1.52E-07	1.78E-07	7.01E-08	3.57E-07	1.52E-07
24	486323.61	3855036.51	1.11E-03	1.14E-03	1.08E-03	3.86E-07	1.16E-06	6.74E-07	6.91E-07	6.26E-07	2.86E-07	2.69E-07	1.29E-08	3.11E-07	6.87E-08	9.38E-08	1.49E-07	2.62E-08	1.78E-08	6.79E-07	3.52E-07	1.49E-07	1.76E-07	6.90E-08	3.52E-07	1.49E-07
25	485973.61	3855086.51	1.28E-03	1.31E-03	1.23E-03	4.42E-07	1.33E-06	7.72E-07	7.91E-07	7.17E-07	3.27E-07	3.09E-07	1.48E-08	3.56E-07	7.87E-08	1.07E-07	1.70E-07	3.00E-08	2.04E-08	7.78E-07	4.03E-07	1.71E-07	2.01E-07	7.90E-08	4.03E-07	1.71E-07
26	486023.61	3855086.51	1.26E-03	1.29E-03	1.21E-03	4.35E-07	1.31E-06	7.61E-07	7.79E-07	7.06E-07	3.22E-07	3.04E-07	1.45E-08	3.51E-07	7.75E-08	1.06E-07	1.68E-07	2.96E-08	2.01E-08	7.66E-07	3.97E-07	1.68E-07	1.98E-07	7.78E-08	3.97E-07	1.68E-07
27	486073.61	3855086.51	1.23E-03	1.26E-03	1.19E-03	4.26E-07	1.29E-06	7.45E-07	7.63E-07	6.91E-07	3.16E-07	2.98E-07	1.42E-08	3.44E-07	7.58E-08	1.04E-07	1.64E-07	2.90E-08	1.96E-08	7.50E-07	3.88E-07	1.65E-07	1.94E-07	7.62E-08	3.88E-07	1.65E-07
28	486123.61	3855086.51	1.21E-03	1.24E-03	1.17E-03	4.20E-07	1.27E-06	7.34E-07	7.52E-07	6.82E-07	3.11E-07	2.93E-07	1.40E-08	3.39E-07	7.47E-08	1.02E-07	1.62E-07	2.85E-08	1.93E-08	7.39E-07	3.83E-07	1.62E-07	1.91E-07	7.51E-08	3.83E-07	1.62E-07
29	486173.61	3855086.51	1.19E-03	1.22E-03	1.15E-03	4.12E-07	1.24E-06	7.20E-07	7.37E-07	6.68E-07	3.05E-07	2.88E-07	1.38E-08	3.32E-07	7.33E-08	1.00E-07	1.59E-07	2.80E-08	1.90E-08	7.25E-07	3.75E-07	1.59E-07	1.87E-07	7.36E-08	3.75E-07	1.59E-07
30	486223.61	3855086.51	1.17E-03	1.20E-03	1.13E-03	4.06E-07	1.23E-06	7.10E-07	7.27E-07	6.59E-07	3.01E-07	2.84E-07	1.36E-08	3.28E-07	7.23E-08	9.87E-08	1.57E-07	2.76E-08	1.87E-08	7.15E-07	3.70E-07	1.57E-07	1.85E-07	7.26E-08	3.70E-07	1.57E-07
31	485973.61	3855136.51	1.32E-03	1.35E-03	1.27E-03	4.55E-07	1.37E-06	7.96E-07	8.15E-07	7.39E-07	3.37E-07	3.18E-07	1.52E-08	3.67E-07	8.10E-08	1.11E-07	1.76E-07	3.09E-08	2.10E-08	8.01E-07	4.15E-07	1.76E-07	2.07E-07	8.14E-08	4.15E-07	1.76E-07
32	486023.61	3855136.51	1.29E-03	1.32E-03	1.25E-03	4.47E-07	1.35E-06	7.80E-07	7.99E-07	7.25E-07	3.31E-07	3.12E-07	1.49E-08	3.60E-07	7.95E-08	1.09E-07	1.72E-07	3.03E-08	2.06E-08	7.86E-07	4.07E-07	1.73E-07	2.03E-07	7.98E-08	4.07E-07	1.73E-07
33	486073.61	3855136.51	1.26E-03	1.30E-03	1.22E-03	4.38E-07	1.32E-06	7.65E-07	7.84E-07	7.11E-07	3.24E-07	3.06E-07	1.46E-08	3.53E-07	7.79E-08	1.06E-07	1.69E-07	2.98E-08	2.02E-08	7.71E-07	3.99E-07	1.69E-07	1.99E-07	7.83E-08	3.99E-07	1.69E-07
34	486123.61	3855136.51	1.24E-03	1.27E-03	1.20E-03	4.31E-07	1.30E-06	7.53E-07	7.71E-07	6.99E-07	3.19E-07	3.01E-07	1.44E-08	3.47E-07	7.67E-08	1.05E-07	1.66E-07	2.93E-08	1.98E-08	7.58E-07	3.93E-07	1.67E-07	1.96E-07	7.70E-08	3.93E-07	1.67E-07
35	486173.61	3855136.51	1.22E-03	1.25E-03	1.18E-03	4.23E-07	1.28E-06	7.39E-07	7.57E-07	6.87E-07	3.13E-07	2.95E-07	1.41E-08	3.41E-07	7.53E-08	1.03E-07	1.63E-07	2.87E-08	1.95E-08	7.45E-07	3.86E-07	1.64E-07	1.93E-07	7.56E-08	3.86E-07	1.64E-07
36	486223.61	3855136.51	1.20E-03	1.23E-03	1.16E-03	4.16E-07	1.26E-06	7.27E-07	7.45E-07	6.75E-07	3.08E-07	2.90E-07	1.39E-08	3.35E-07	7.40E-08	1.01E-07	1.60E-07	2.83E-08	1.92E-08	7.32E-07	3.79E-07	1.61E-07	1.89E-07	7.44E-08	3.79E-07	1.61E-07
37	485973.61	3855186.51	1.35E-03	1.39E-03	1.31E-03	4.68E-07	1.41E-06	8.19E-07	8.39E-07	7.60E-07	3.47E-07	3.27E-07	1.56E-08	3.78E-07	8.34E-08	1.14E-07	1.81E-07	3.18E-08	2.16E-08	8.25E-07	4.27E-07	1.81E-07	2.13E-07	8.38E-08	4.27E-07	1.81E-07
38	486023.61	3855186.51	1.33E-03	1.36E-03	1.28E-03	4.60E-07	1.39E-06	8.04E-07	8.23E-07	7.46E-07	3.40E-07	3.21E-07	1.54E-08	3.71E-07	8.18E-08	1.12E-07	1.77E-07	3.12E-08	2.12E-08	8.10E-07	4.19E-07	1.78E-07	2.09E-07	8.22E-08	4.19E-07	1.78E-07
39	486073.61	3855186.51	1.30E-03	1.33E-03	1.25E-03	4.50E-07	1.36E-06	7.86E-07	8.05E-07	7.30E-07	3.33E-07	3.14E-07	1.50E-08	3.63E-07	8.00E-08	1.09E-07	1.73E-07	3.06E-08	2.07E-08	7.92E-07	4.10E-07	1.74E-07	2.05E-07	8.04E-08	4.10E-07	1.74E-07
40	486123.61	3855186.51	1.27E-03	1.30E-03	1.23E-03	4.40E-07	1.33E-06	7.69E-07	7.88E-07	7.14E-07	3.26E-07	3.07E-07	1.47E-08	3.55E-07	7.83E-08	1.07E-07	1.70E-07	2.99E-08	2.03E-08	7.74E-07	4.01E-07	1.70E-07	2.00E-07	7.86E-08	4.01E-07	1.70E-07
41	486173.61	3855186.51	1.25E-03	1.28E-03	1.21E-03	4.32E-07	1.31E-06	7.55E-07	7.74E-07	7.01E-07	3.20E-07	3.02E-07	1.44E-08	3.49E-07	7.69E-08	1.05E-07	1.67E-07	2.94E-08	1.99E-08	7.61E-07	3.94E-07	1.67E-07	1.97E-07	7.73E-08	3.94E-07	1.67E-07
42	486223.61	3855186.51	1.23E-03	1.26E-03	1.19E-03	4.25E-07	1.28E-06	7.43E-07	7.61E-07	6.90E-07	3.15E-07	2.97E-07	1.42E-08	3.43E-07	7.57E-08	1.03E-07	1.64E-07	2.89E-08	1.96E-08	7.48E-07	3.88E-07	1.64E-07	1.93E-07	7.60E-08	3.88E-07	1.64E-07
43	486273.61	3855186.51	1.21E-03	1.23E-03	1.16E-03	4.17E-07	1.26E-06	7.30E-07	7.47E-07	6.77E-07	3.09E-07	2.92E-07	1.39E-08	3.37E-07	7.43E-08	1.01E-07	1.61E-07	2.84E-08	1.92E-08	7.35E-07	3.81E-07	1.61E-07	1.90E-07	7.46E-08	3.81E-07	1.61E-07
44	486323.61	3855186.51	1.20E-03	1.23E-03	1.16E-03	4.15E-07	1.25E-06	7.26E-07	7.44E-07	6.74E-07	3.08E-07	2.90E-07	1.39E-08	3.35E-07	7.39E-08	1.01E-07	1.60E-07	2.82E-08	1.91E-08	7.31E-07	3.79E-07	1.61E-07	1.89E-07	7.43E-08	3.79E-07	1.61E-07
45	485973.61	3855236.51	1.39E-03	1.43E-03	1.34E-03	4.82E-07	1.45E-06	8.42E-07	8.63E-07	7.82E-07	3.57E-07	3.37E-07	1.61E-08	3.89E-07	8.58E-08	1.17E-07	1.86E-07	3.27E-08	2.22E-08	8.48E-07	4.39E-07	1.86E-07	2.19E-07	8.61E-08	4.39E-07	1.86E-07
46	486023.61	3855236.51	1.36E-03	1.39E-03	1.31E-03	4.71E-07	1.42E-06	8.23E-07	8.43E-07	7.64E-07	3.49E-07	3.29E-07	1.57E-08	3.80E-07	8.38E-08	1.14E-07	1.82E-07	3.20E-08	2.17E-08	8.29E-07	4.29E-07	1.82E-07	2.14E-07	8.42E-08	4.29E-07	1.82E-07
47	486073.61	3855236.51	1.33E-03	1.36E-03	1.28E-03	4.60E-07	1.39E-06	8.04E-07	8.23E-07	7.46E-07	3.40E-07	3.21E-07	1.54E-08	3.71E-07	8.18E-08	1.12E-07	1.77E-07	3.12E-08	2.12E-08	8.10E-07	4.19E-07	1.78E-07	2.09E-07	8.22E-08	4.19E-07	1.78E-07
48	486123.61	3855236.51	1.30E-03	1.33E-03	1.26E-03	4.51E-07	1.36E-06	7.89E-07	8.08E-07	7.32E-07	3.34E-07	3.15E-07	1.51E-08	3.64E-07	8.03E-08	1.10E-07	1.74E-07	3.07E-08	2.08E-08	7.94E-07	4.11E-07	1.75E-07	2.05E-07	8.07E-08	4.11E-07	1.75E-07
49	486173.61	3855236.51	1.28E-03	1.31E-03	1.24E-03	4.43E-07	1.34E-06	7.74E-07	7.93E-07	7.19E-07	3.28E-07	3.09E-07	1.48E-08	3.57E-07	7.88E-08	1.08E-07	1.71E-07	3.01E-08	2.04E-08	7.80E-07	4.04E-07	1.71E-07	2.02E-07	7.92E-08	4.04E-07	1.71E-07
50	486223.61	3855236.51	1.26E-03	1.29E-03	1.21E-03	4.35E-07	1.31E-06	7.60E-07	7.78E-07	7.06E-07	3.22E-07	3.04E-07	1.45E-08	3.51E-07	7.74E-08	1.06E-07	1.68E-07	2.95E-08	2.00E-08	7.65E-07	3.96E-07	1.68E-07	1.98E-07	7.77E-08	3.96E-07	1.68E-07
51	486273.61	3855236.51	1.23E-03	1.26E-03	1.18E-03	4.25E-07	1.28E-06	7.42E-07	7.60E-07	6.89E-07	3.14E-07	2.97E-07	1.42E-08	3.42E-07	7.56E-08	1.03E-07	1.64E-07	2.89E-08	1.96E-08	7.48E-07	3.87E-07	1.64E-07	1.93E-07	7.59E-08	3.87E-07	1.64E-07
52	486323.61	3855236.51	1.23E-03	1.26E-03	1.19E-03	4.25E-07	1.28E-06	7.43E-07	7.61E-07	6.90E-07	3.15E-07	2.97E-07	1.42E-08	3.43E-07	7.57E-08	1.03E-07	1.64E-07	2.89E-08	1.96E-08	7.48E-07	3.88E-07	1.64E-07	1.93E-07	7.60E-08	3.88E-07	1.64E-07
53	485973.61	3855286.51	1.43E-03	1.47E-03	1.38E-03	4.96E-07	1.50E-06	8.66E-07	8.87E-07	8.04E-07	3.67E-07	3.46E-07	1.65E-08	4.00E-07	8.82E-08	1.20E-07	1.91E-07	3.37E-08	2.28E-08	8.73E-07	4.52E-07	1.92E-07	2.26E-07	8.86E-08	4.52E-07	1.92E-07
54	486023.61	3855286.51	1.40E-03	1.43E-03	1.35E-03	4.83E-07	1.46E-06	8.45E-07	8.65E-07	7.84E-07	3.58E-07	3.38E-07	1.61E-08	3.90E-07	8.60E-08	1.17E-07	1.86E-07	3.28E-08	2.23E-08	8.51E-07	4.41E-07	1.87E-07	2.20E-07	8.64E-08	4.41E-07	1.87E-07
55	486073.61	3855286.51	1.37E-03	1.40E-03	1.32E-03	4.73E-07	1.43E-06	8.26E-07	8.46E-07	7.67E-07	3.50E-07	3.30E-07	1.58E-08	3.81E-07	8.41E-08	1.15E-07	1.82E-07	3.21E-08	2.18E-08	8.32E-07	4.31E-07	1.83E-07	2.15E-07	8.45E-08	4.31E-07	1.83E-07
56	486123.61	3855286.51	1.33E-03	1.37E-03	1.29E-03	4.62E-07	1.39E-06	8.07E-07	8.27E-07	7.50E-07	3.42E-07	3.23E-07	1.54E-08	3.73E-07	8.22E-08	1.12E-07	1.78E-07	3.14E-08	2.13E-08	8.13E-07	4.21E-07	1.79E-07	2.10E-07	8.26E-08	4.21E-07	1.79E-07
57	486173.61	3855286.51	1.31E-03	1.34E-03	1.26E-03	4.53E-07	1.37E-06	7.91E-07	8.10E-07	7.35E-07	3.35E-07	3.16E-07	1.51E-08	3.65E-07	8.06E-08	1.10E-07	1.75E-07	3.08E-08	2.09E-08	7.97E-07	4.13E-07	1.75E-07	2.06E-07	8.09E-08	4.13E-07	1.75E-07
58	486223.61	3855286.51	1.29E-03	1.32E-03	1.24E-03	4.45E-07	1.34E-06	7.78E-07	7.97E-07	7.22E-07	3.30E-07	3.11E-07	1.49E-08	3.59E-07	7.92E-08	1.08E-07	1.72E-07	3.02E-08	2.05E-08	7.83E-07	4.06E-07	1.72E-07	2.03E-07	7.96E-08	4.06E-07	1.72E-07
59	486123.61	3855336.51	1.37E-03	1.40E-03	1.32E-03	4.73E-07	1.43E-06	8.27E-07	8.47E-07	7.68E-07	3.50E-07	3.30E-07	1.58E-08	3.82E-07	8.42E-08	1.15E-07	1.82E-07	3.21E-08	2.18E-08	8.33E-07	4.31E-07	1.83E-07	2.15E-07	8.46E-08	4.31E-07	1.83E-07
60	486173.61	3855336.51	1.34E-03	1.37E-03	1.30E-03	4.64E-07	1.40E-06	8.12E-07	8.31E-07	7.54E-07	3.44E-07	3.24E-07	1.55E-08	3.75E-07	8.27E-08	1.13E-07	1.79E-07	3.16E-08	2.14E-08	8.18E-07	4.23E-07	1.80E-07	2.11E-07	8.30E-08	4.23E-07	1.80E-07
61	486223.61	3855336.51	1.32E-03	1.35E-03	1.27E-03	4.56E-07	1.38E-06	7.97E-07	8.16E-07	7.40E-07	3.37E-07	3.18E-07	1.52E-08	3.68E-07	8.11E-08	1.11E-07	1.76E-07	3.10E-08	2.10E-08	8.02E-07	4.16E-07	1.76E-07	2.07E-07	8.15E-08	4.16E-07	1.76E-07
62	486123.61	3855386.51	1.40E-03	1.44E-03	1.36E-03	4.86E-07	1.47E-06	8.49E-07	8.70E-07	7.88E-07	3.60E-07	3.39E-07	1.62E-08	3.92E-07	8.65E-08	1.18E-07	1.87E-07	3.30E-08	2.24E-08	8.55E-07	4.43E-07	1.88E-07	2.21E-07	8.69E-08	4.43E-07	1.88E-07
63	486173.61	3855386.51	1.38E-03	1.41E-03	1.33E-03	4.76E-07	1.44E-06	8.32E-07	8.52E-07	7.73E-07	3.53E-07	3.33E-07	1.59E-08	3.84E-07	8.47E-08	1.16E-07	1.84E-07	3.24E-08	2.19E-08	8.38E-07	4.34E-07	1.84E-07	2.17E-07	8.51E-08	4.34E-07	1.84E-07
64	486223.61	3855386.51	1.35E-03	1.38E-03	1.30E-03	4.67E-07	1.41E-06	8.17E-07	8.37E-07	7.59E-07	3.46E-07	3.27E-07	1.56E-08	3.77E-07	8.32E-08	1.14E-07	1.80E-07	3.18E-08	2.15E-08	8.23E-07	4.26E-07	1.81E-07	2.13E-07	8.36E-08	4.26E-07	1.81E-07
65	486533.18	3855443.15	1.26E-03	1.29E-03	1.22E-03	4.36E-07	1.32E-06	7.63E-07	7.81E-07	7.08E-07	3.23E-07	3.05E-07	1.46E-08	3.52E-07	7.77E-08	1.06E-07	1.68E-07	2.97E-08	2.01E-08	7.68E-07	3.98E-07	1.69E-07	1.99E-07	7.80E-08	3.98E-07	1.69E-07
66	486583.18	3855443.15	1.24E-03	1.27E-03	1.20E-03	4.29E-07	1.30E-06	7.50E-07	7.68E-07	6.96E-07	3.18E-07	3.00E-07	1.43E-08	3.46E-07	7.64E-08	1.04E-07	1.65E-07	2.92E-08	1.98E-08	7.56E-07	3.91E-07	1.66E-07	1.95E-07	7.67E-08	3.91E-07	1.66E-07
67	486633.18	3855443.15	1.22E-03	1.25E-03	1.18E-03	4.23E-07	1.28E-06	7.39E-07	7.56E-07	6.86E-07	3.13E-07	2.95E-07	1.41E-08	3.41E-07	7.52E-08	1.03E-07	1.63E-07	2.87E-08	1.95E-08	7.44E-07	3.85E-07	1.63E-07	1.92E-07	7.55E-08	3.85E-07	1.63E-07
68	486683.18	3855443.15	1.21E-03	1.23E-03	1.16E-03	4.17E-07	1.26E-06	7.30E-07	7.47E-07	6.77E-07	3.09E-07	2.92E-07	1.39E-08	3.37E-07	7.43E-08	1.01E-07	1.61E-07	2.84E-08	1.92E-08	7.35E-07	3.81E-07	1.61E-07	1.90E-07	7.46E-08	3.81E-07	1.61E-07
69	486533.18	3855493.15	1.29E-03	1.32E-03	1.24E-03	4.46E-07	1.35E-06	7.80E-07	7.98E-07	7.24E-07	3.30E-07	3.12E-07	1.49E-08	3.60E-07	7.94E-08	1.08E-07	1.72E-07	3.03E-08	2.05E-08	7.85E-07	4.07E-07	1.73E-07	2.03E-07	7.97E-08	4.07E-07	1.73E-07
70	486583.18	3855493.15	1.27E-03	1.30E-03	1.22E-03	4.39E-07	1.33E-06	7.67E-07	7.86E-07	7.12E-07	3.25E-07	3.07E-07	1.47E-08	3.54E-07	7.81E-08	1.07E-07	1.69E-07	2.98E-08	2.02E-08	7.73E-07	4.00E-07	1.70E-07	2.00E-07	7.85E-08	4.00E-07	1.70E-07

71	486633.18	3855493.15	1.25E-03	1.28E-03	1.21E-03	4.32E-07	1.31E-06	7.55E-07	7.74E-07	7.01E-07	3.20E-07	3.02E-07	1.44E-08	3.49E-07	7.69E-08	1.05E-07	1.67E-07	2.94E-08	1.99E-08	7.61E-07	3.94E-07	1.67E-07	1.97E-07	7.73E-08	3.94E-07	1.67E-07
72	486683.18	3855493.15	1.23E-03	1.26E-03	1.19E-03	4.26E-07	1.28E-06	7.44E-07	7.62E-07	6.91E-07	3.15E-07	2.97E-07	1.42E-08	3.43E-07	7.57E-08	1.03E-07	1.64E-07	2.89E-08	1.96E-08	7.49E-07	3.88E-07	1.65E-07	1.94E-07	7.61E-08	3.88E-07	1.65E-07
73	486533.18	3855543.15	1.32E-03	1.35E-03	1.27E-03	4.57E-07	1.38E-06	7.98E-07	8.18E-07	7.41E-07	3.38E-07	3.19E-07	1.53E-08	3.68E-07	8.13E-08	1.11E-07	1.76E-07	3.10E-08	2.10E-08	8.04E-07	4.16E-07	1.77E-07	2.08E-07	8.17E-08	4.16E-07	1.77E-07
74	486583.18	3855543.15	1.29E-03	1.32E-03	1.25E-03	4.48E-07	1.35E-06	7.82E-07	8.01E-07	7.26E-07	3.31E-07	3.13E-07	1.49E-08	3.61E-07	7.97E-08	1.09E-07	1.73E-07	3.04E-08	2.06E-08	7.88E-07	4.08E-07	1.73E-07	2.04E-07	8.00E-08	4.08E-07	1.73E-07
75	486633.18	3855543.15	1.27E-03	1.30E-03	1.23E-03	4.41E-07	1.33E-06	7.71E-07	7.89E-07	7.16E-07	3.26E-07	3.08E-07	1.47E-08	3.56E-07	7.85E-08	1.07E-07	1.70E-07	3.00E-08	2.03E-08	7.76E-07	4.02E-07	1.71E-07	2.01E-07	7.88E-08	4.02E-07	1.71E-07
76	486683.18	3855543.15	1.25E-03	1.28E-03	1.21E-03	4.33E-07	1.31E-06	7.56E-07	7.75E-07	7.02E-07	3.20E-07	3.02E-07	1.45E-08	3.49E-07	7.70E-08	1.05E-07	1.67E-07	2.94E-08	1.99E-08	7.62E-07	3.95E-07	1.67E-07	1.97E-07	7.74E-08	3.95E-07	1.67E-07
77	486533.18	3855593.15	1.35E-03	1.38E-03	1.30E-03	4.66E-07	1.41E-06	8.15E-07	8.35E-07	7.57E-07	3.45E-07	3.26E-07	1.56E-08	3.76E-07	8.30E-08	1.13E-07	1.80E-07	3.17E-08	2.15E-08	8.21E-07	4.25E-07	1.80E-07	2.12E-07	8.34E-08	4.25E-07	1.80E-07
78	486583.18	3855593.15	1.32E-03	1.36E-03	1.28E-03	4.58E-07	1.38E-06	8.01E-07	8.20E-07	7.44E-07	3.39E-07	3.20E-07	1.53E-08	3.70E-07	8.16E-08	1.11E-07	1.77E-07	3.11E-08	2.11E-08	8.07E-07	4.18E-07	1.77E-07	2.09E-07	8.19E-08	4.18E-07	1.77E-07
79	486633.18	3855593.15	1.30E-03	1.33E-03	1.26E-03	4.51E-07	1.36E-06	7.88E-07	8.07E-07	7.31E-07	3.34E-07	3.15E-07	1.50E-08	3.63E-07	8.02E-08	1.10E-07	1.74E-07	3.06E-08	2.08E-08	7.93E-07	4.11E-07	1.74E-07	2.05E-07	8.06E-08	4.11E-07	1.74E-07
80	486683.18	3855593.15	1.28E-03	1.31E-03	1.24E-03	4.44E-07	1.34E-06	7.76E-07	7.95E-07	7.21E-07	3.29E-07	3.10E-07	1.48E-08	3.58E-07	7.90E-08	1.08E-07	1.71E-07	3.02E-08	2.05E-08	7.82E-07	4.05E-07	1.72E-07	2.02E-07	7.94E-08	4.05E-07	1.72E-07
81	486533.18	3855643.15	1.38E-03	1.41E-03	1.33E-03	4.78E-07	1.44E-06	8.35E-07	8.55E-07	7.75E-07	3.54E-07	3.34E-07	1.60E-08	3.85E-07	8.50E-08	1.16E-07	1.84E-07	3.25E-08	2.20E-08	8.41E-07	4.36E-07	1.85E-07	2.17E-07	8.54E-08	4.36E-07	1.85E-07
82	486583.18	3855643.15	1.35E-03	1.39E-03	1.31E-03	4.69E-07	1.42E-06	8.20E-07	8.40E-07	7.61E-07	3.47E-07	3.28E-07	1.57E-08	3.78E-07	8.35E-08	1.14E-07	1.81E-07	3.19E-08	2.16E-08	8.26E-07	4.28E-07	1.81E-07	2.13E-07	8.38E-08	4.28E-07	1.81E-07
83	486633.18	3855643.15	1.33E-03	1.36E-03	1.29E-03	4.61E-07	1.39E-06	8.05E-07	8.25E-07	7.48E-07	3.41E-07	3.22E-07	1.54E-08	3.72E-07	8.20E-08	1.12E-07	1.78E-07	3.13E-08	2.12E-08	8.11E-07	4.20E-07	1.78E-07	2.10E-07	8.24E-08	4.20E-07	1.78E-07
84	486683.18	3855643.15	1.31E-03	1.34E-03	1.26E-03	4.53E-07	1.37E-06	7.92E-07	8.11E-07	7.35E-07	3.36E-07	3.17E-07	1.51E-08	3.66E-07	8.07E-08	1.10E-07	1.75E-07	3.08E-08	2.09E-08	7.98E-07	4.13E-07	1.75E-07	2.06E-07	8.10E-08	4.13E-07	1.75E-07
85	486533.18	3855693.15	1.42E-03	1.45E-03	1.37E-03	4.90E-07	1.48E-06	8.57E-07	8.78E-07	7.96E-07	3.63E-07	3.43E-07	1.64E-08	3.96E-07	8.73E-08	1.19E-07	1.89E-07	3.33E-08	2.26E-08	8.64E-07	4.47E-07	1.90E-07	2.23E-07	8.77E-08	4.47E-07	1.90E-07
86	486583.18	3855693.15	1.38E-03	1.42E-03	1.34E-03	4.79E-07	1.45E-06	8.38E-07	8.58E-07	7.78E-07	3.55E-07	3.35E-07	1.60E-08	3.87E-07	8.53E-08	1.16E-07	1.85E-07	3.26E-08	2.21E-08	8.44E-07	4.37E-07	1.85E-07	2.18E-07	8.57E-08	4.37E-07	1.85E-07
87	486633.18	3855693.15	1.35E-03	1.39E-03	1.31E-03	4.68E-07	1.41E-06	8.19E-07	8.39E-07	7.60E-07	3.47E-07	3.27E-07	1.56E-08	3.78E-07	8.34E-08	1.14E-07	1.81E-07	3.18E-08	2.16E-08	8.25E-07	4.27E-07	1.81E-07	2.13E-07	8.38E-08	4.27E-07	1.81E-07
88	486683.18	3855693.15	1.34E-03	1.37E-03	1.29E-03	4.63E-07	1.40E-06	8.09E-07	8.29E-07	7.51E-07	3.43E-07	3.23E-07	1.55E-08	3.73E-07	8.24E-08	1.13E-07	1.78E-07	3.15E-08	2.13E-08	8.15E-07	4.22E-07	1.79E-07	2.11E-07	8.28E-08	4.22E-07	1.79E-07
89	486733.18	3855693.15	1.33E-03	1.36E-03	1.28E-03	4.59E-07	1.39E-06	8.03E-07	8.22E-07	7.45E-07	3.40E-07	3.21E-07	1.53E-08	3.70E-07	8.17E-08	1.12E-07	1.77E-07	3.12E-08	2.12E-08	8.09E-07	4.19E-07	1.78E-07	2.09E-07	8.21E-08	4.19E-07	1.78E-07
90	486783.18	3855693.15	1.32E-03	1.35E-03	1.27E-03	4.57E-07	1.38E-06	7.98E-07	8.18E-07	7.41E-07	3.38E-07	3.19E-07	1.53E-08	3.68E-07	8.13E-08	1.11E-07	1.76E-07	3.10E-08	2.10E-08	8.04E-07	4.16E-07	1.77E-07	2.08E-07	8.17E-08	4.16E-07	1.77E-07
91	486533.18	3855743.15	1.45E-03	1.49E-03	1.40E-03	5.02E-07	1.52E-06	8.78E-07	8.99E-07	8.15E-07	3.72E-07	3.51E-07	1.68E-08	4.05E-07	8.94E-08	1.22E-07	1.94E-07	3.41E-08	2.31E-08	8.84E-07	4.58E-07	1.94E-07	2.29E-07	8.98E-08	4.58E-07	1.94E-07
92	486583.18	3855743.15	1.41E-03	1.45E-03	1.36E-03	4.89E-07	1.48E-06	8.55E-07	8.75E-07	7.93E-07	3.62E-07	3.42E-07	1.63E-08	3.94E-07	8.70E-08	1.19E-07	1.89E-07	3.32E-08	2.25E-08	8.61E-07	4.46E-07	1.89E-07	2.23E-07	8.74E-08	4.46E-07	1.89E-07
93	486633.18	3855743.15	1.38E-03	1.42E-03	1.34E-03	4.79E-07	1.45E-06	8.38E-07	8.58E-07	7.78E-07	3.55E-07	3.35E-07	1.60E-08	3.87E-07	8.53E-08	1.16E-07	1.85E-07	3.26E-08	2.21E-08	8.44E-07	4.37E-07	1.85E-07	2.18E-07	8.57E-08	4.37E-07	1.85E-07
94	486683.18	3855743.15	1.37E-03	1.40E-03	1.32E-03	4.75E-07	1.43E-06	8.30E-07	8.50E-07	7.70E-07	3.51E-07	3.32E-07	1.58E-08	3.83E-07	8.45E-08	1.15E-07	1.83E-07	3.23E-08	2.19E-08	8.36E-07	4.33E-07	1.84E-07	2.16E-07	8.49E-08	4.33E-07	1.84E-07
95	486733.18	3855743.15	1.35E-03	1.39E-03	1.31E-03	4.68E-07	1.41E-06	8.19E-07	8.39E-07	7.60E-07	3.47E-07	3.27E-07	1.56E-08	3.78E-07	8.34E-08	1.14E-07	1.81E-07	3.18E-08	2.16E-08	8.25E-07	4.27E-07	1.81E-07	2.13E-07	8.38E-08	4.27E-07	1.81E-07
96	486783.18	3855743.15	1.35E-03	1.38E-03	1.30E-03	4.67E-07	1.41E-06	8.16E-07	8.36E-07	7.58E-07	3.46E-07	3.26E-07	1.56E-08	3.77E-07	8.31E-08	1.14E-07	1.80E-07	3.17E-08	2.15E-08	8.22E-07	4.26E-07	1.81E-07	2.13E-07	8.35E-08	4.26E-07	1.81E-07
97	486533.18	3855793.15	1.49E-03	1.52E-03	1.44E-03	5.15E-07	1.55E-06	9.00E-07	9.22E-07	8.36E-07	3.81E-07	3.60E-07	1.72E-08	4.15E-07	9.17E-08	1.25E-07	1.99E-07	3.50E-08	2.37E-08	9.07E-07	4.70E-07	1.99E-07	2.34E-07	9.21E-08	4.70E-07	1.99E-07
98	486583.18	3855793.15	1.44E-03	1.47E-03	1.39E-03	4.98E-07	1.50E-06	8.71E-07	8.92E-07	8.08E-07	3.69E-07	3.48E-07	1.66E-08	4.02E-07	8.87E-08	1.21E-07	1.92E-07	3.39E-08	2.29E-08	8.77E-07	4.54E-07	1.93E-07	2.27E-07	8.91E-08	4.54E-07	1.93E-07
99	486633.18	3855793.15	1.42E-03	1.46E-03	1.37E-03	4.93E-07	1.49E-06	8.61E-07	8.82E-07	7.99E-07	3.65E-07	3.44E-07	1.64E-08	3.97E-07	8.77E-08	1.20E-07	1.90E-07	3.35E-08	2.27E-08	8.67E-07	4.49E-07	1.91E-07	2.24E-07	8.81E-08	4.49E-07	1.91E-07
100	486683.18	3855793.15	1.41E-03	1.44E-03	1.36E-03	4.88E-07	1.47E-06	8.53E-07	8.73E-07	7.92E-07	3.61E-07	3.41E-07	1.63E-08	3.94E-07	8.68E-08	1.19E-07	1.88E-07	3.32E-08	2.25E-08	8.59E-07	4.45E-07	1.89E-07	2.22E-07	8.72E-08	4.45E-07	1.89E-07
101	486733.18	3855793.15	1.39E-03	1.43E-03	1.34E-03	4.82E-07	1.45E-06	8.42E-07	8.63E-07	7.82E-07	3.57E-07	3.37E-07	1.61E-08	3.89E-07	8.58E-08	1.17E-07	1.86E-07	3.27E-08	2.22E-08	8.48E-07	4.39E-07	1.86E-07	2.19E-07	8.61E-08	4.39E-07	1.86E-07
102	486783.18	3855793.15	1.38E-03	1.41E-03	1.33E-03	4.77E-07	1.44E-06	8.34E-07	8.54E-07	7.74E-07	3.53E-07	3.33E-07	1.59E-08	3.85E-07	8.49E-08	1.16E-07	1.84E-07	3.24E-08	2.20E-08	8.40E-07	4.35E-07	1.85E-07	2.17E-07	8.53E-08	4.35E-07	1.85E-07
103	486533.18	3855843.15	1.52E-03	1.56E-03	1.47E-03	5.26E-07	1.59E-06	9.19E-07	9.41E-07	8.53E-07	3.89E-07	3.67E-07	1.76E-08	4.24E-07	9.36E-08	1.28E-07	2.03E-07	3.57E-08	2.42E-08	9.26E-07	4.79E-07	2.03E-07	2.39E-07	9.40E-08	4.79E-07	2.03E-07
104	486583.18	3855843.15	1.48E-03	1.51E-03	1.43E-03	5.11E-07	1.54E-06	8.94E-07	9.16E-07	8.30E-07	3.79E-07	3.57E-07	1.71E-08	4.13E-07	9.10E-08	1.24E-07	1.97E-07	3.48E-08	2.36E-08	9.00E-07	4.66E-07	1.98E-07	2.33E-07	9.14E-08	4.66E-07	1.98E-07
105	486633.18	3855843.15	1.46E-03	1.49E-03	1.41E-03	5.05E-07	1.53E-06	8.83E-07	9.05E-07	8.20E-07	3.74E-07	3.53E-07	1.69E-08	4.08E-07	8.99E-08	1.23E-07	1.95E-07	3.43E-08	2.33E-08	8.90E-07	4.61E-07	1.95E-07	2.30E-07	9.03E-08	4.61E-07	1.95E-07
106	486683.18	3855843.15	1.44E-03	1.48E-03	1.39E-03	5.00E-07	1.51E-06	8.73E-07	8.95E-07	8.11E-07	3.70E-07	3.49E-07	1.67E-08	4.03E-07	8.89E-08	1.21E-07	1.93E-07	3.40E-08	2.30E-08	8.80E-07	4.56E-07	1.93E-07	2.27E-07	8.93E-08	4.56E-07	1.93E-07
107	486733.18	3855843.15	1.43E-03	1.46E-03	1.38E-03	4.95E-07	1.49E-06	8.64E-07	8.85E-07	8.03E-07	3.66E-07	3.45E-07	1.65E-08	3.99E-07	8.80E-08	1.20E-07	1.91E-07	3.36E-08	2.28E-08	8.71E-07	4.51E-07	1.91E-07	2.25E-07	8.84E-08	4.51E-07	1.91E-07
108	486783.18	3855843.15	1.41E-03	1.45E-03	1.36E-03	4.89E-07	1.48E-06	8.55E-07	8.75E-07	7.93E-07	3.62E-07	3.42E-07	1.63E-08	3.94E-07	8.70E-08	1.19E-07	1.89E-07	3.32E-08	2.25E-08	8.61E-07	4.46E-07	1.89E-07	2.23E-07	8.74E-08	4.46E-07	1.89E-07
109	486533.18	3855893.15	1.54E-03	1.58E-03	1.49E-03	5.33E-07	1.61E-06	9.32E-07	9.55E-07	8.66E-07	3.95E-07	3.73E-07	1.78E-08	4.30E-07	9.49E-08	1.30E-07	2.06E-07	3.62E-08	2.46E-08	9.39E-07	4.86E-07	2.06E-07	2.43E-07	9.54E-08	4.86E-07	2.06E-07
110	486583.18	3855893.15	1.52E-03	1.56E-03	1.47E-03	5.26E-07	1.59E-06	9.20E-07	9.42E-07	8.54E-07	3.90E-07	3.68E-07	1.76E-08	4.24E-07	9.37E-08	1.28E-07	2.03E-07	3.58E-08	2.42E-08	9.27E-07	4.80E-07	2.04E-07	2.39E-07	9.41E-08	4.80E-07	2.04E-07
111	486633.18	3855893.15	1.50E-03	1.53E-03	1.45E-03	5.19E-07	1.57E-06	9.06E-07	9.28E-07	8.42E-07	3.84E-07	3.62E-07	1.73E-08	4.18E-07	9.23E-08	1.26E-07	2.00E-07	3.52E-08	2.39E-08	9.13E-07	4.73E-07	2.01E-07	2.36E-07	9.27E-08	4.73E-07	2.01E-07
112	486683.18	3855893.15	1.48E-03	1.52E-03	1.43E-03	5.12E-07	1.55E-06	8.96E-07	9.17E-07	8.32E-07	3.79E-07	3.58E-07	1.71E-08	4.13E-07	9.12E-08	1.25E-07	1.98E-07	3.48E-08	2.36E-08	9.02E-07	4.67E-07	1.98E-07	2.33E-07	9.16E-08	4.67E-07	1.98E-07
113	486733.18	3855893.15	1.46E-03	1.50E-03	1.41E-03	5.07E-07	1.53E-06	8.86E-07	9.07E-07	8.22E-07	3.75E-07	3.54E-07	1.69E-08	4.09E-07	9.02E-08	1.23E-07	1.95E-07	3.44E-08	2.33E-08	8.92E-07	4.62E-07	1.96E-07	2.31E-07	9.06E-08	4.62E-07	1.96E-07
114	486783.18	3855893.15	1.45E-03	1.49E-03	1.40E-03	5.02E-07	1.52E-06	8.78E-07	8.99E-07	8.15E-07	3.72E-07	3.51E-07	1.68E-08	4.05E-07	8.94E-08	1.22E-07	1.94E-07	3.41E-08	2.31E-08	8.84E-07	4.58E-07	1.94E-07	2.29E-07	8.98E-08	4.58E-07	1.94E-07
115	486533.18	3855943.15	1.58E-03	1.62E-03	1.53E-03	5.47E-07	1.65E-06	9.56E-07	9.80E-07	8.88E-07	4.05E-07	3.82E-07	1.83E-08	4.41E-07	9.74E-08	1.33E-07	2.11E-07	3.72E-08	2.52E-08	9.63E-07	4.99E-07	2.12E-07	2.49E-07	9.78E-08	4.99E-07	2.12E-07
116	486583.18	3855943.15	1.56E-03	1.60E-03	1.51E-03	5.42E-07	1.64E-06	9.47E-07	9.70E-07	8.79E-07	4.01E-07	3.78E-07	1.81E-08	4.37E-07	9.64E-08	1.32E-07	2.09E-07	3.68E-08	2.50E-08	9.53E-07	4.94E-07	2.09E-07	2.46E-07	9.68E-08	4.94E-07	2.09E-07
117	486633.18	3855943.15	1.54E-03	1.58E-03	1.49E-03	5.33E-07	1.61E-06	9.31E-07	9.54E-07	8.65E-07	3.95E-07	3.72E-07	1.78E-08	4.30E-07	9.48E-08	1.30E-07	2.05E-07	3.62E-08	2.46E-08	9.38E-07	4.86E-07	2.06E-07	2.42E-07	9.53E-08	4.86E-07	2.06E-07
118	486683.18	3855943.15	1.52E-03	1.56E-03	1.47E-03	5.27E-07	1.59E-06	9.22E-07	9.44E-07	8.56E-07	3.90E-07	3.68E-07	1.76E-08	4.25E-07	9.38E-08	1.28E-07	2.03E-07	3.58E-08	2.43E-08	9.28E-07	4.81E-07	2.04E-07	2.40E-07	9.43E-08	4.81E-07	2.04E-07
119	486733.18	3855943.15	1.50E-03	1.54E-03	1.45E-03	5.20E-07	1.57E-06	9.09E-07	9.31E-07	8.44E-07	3.85E-07	3.63E-07	1.74E-08	4.20E-07	9.26E-08	1.26E-07	2.01E-07	3.53E-08	2.40E-08	9.16E-07	4.74E-07	2.01E-07	2.37E-07	9.30E-08	4.74E-07	2.01E-07
120	486783.18	3855943.15	1.49E-03	1.52E-03	1.44E-03	5.15E-07	1.55E-06	9.00E-07	9.22E-07	8.36E-07	3.81E-07	3.60E-07	1.72E-08	4.15E-07	9.17E-08	1.25E-07	1.99E-07	3.50E-08	2.37E-08	9.07E-07	4.70E-07	1.99E-07	2.34E-07	9.21E-08	4.70E-07	1.99E-07
121	486533.18	3855993.15	1.63E-03	1.67E-03	1.57E-03	5.64E-07	1.70E-06	9.85E-07	1.01E-06	9.15E-07	4.17E-07	3.94E-07	1.88E-08	4.55E-07	1.00E-07	1.37E-07	2.17E-07	3.83E-08	2.60E-08	9.92E-07	5.14E-07	2.18E-07	2.56E-07	1.01E-07	5.14E-07	2.18E-07
122	486583.18	3855993.15	1.61E-03	1.64E-03	1.55E-03	5.56E-07	1.68E-06	9.72E-07	9.95E-07	9.02E-07	4.12E-07	3.88E-07	1.86E-08	4.48E-07	9.89E-08	1.35E-07	2.14E-07	3.78E-08	2.56E-08	9.79E-07	5.07E-07	2.15E-07	2.53E-07	9.94E-08	5.07E-07	2.15E-07
123	486633.18	3855993.15	1.58E-03	1.62E-03	1.53E-03	5.48E-07	1.65E-06	9.57E-07	9.80E-07	8.89E-07	4.06E-07	3.83E-07	1.83E-08	4.42E-07	9.75E-08	1.33E-07	2.11E-07	3.72E-08	2.52E-08	9.64E-07	4.99E-07	2.12E-07	2.49E-07	9.79E-08	4.99E-07	2.12E-07
124	486683.18	3855993.15	1.56E-03	1.60E-03	1.51E-03	5.42E-07	1.64E-06	9.47E-07	9.70E-07	8.79E-07	4.01E-07	3.78E-07	1.81E-08	4.37E-07	9.64E-08	1.32E-07	2.09E-07	3.68E-08	2.50E-08	9.53E-07	4.94E-07	2.09E-07	2.46E-07	9.68E-08	4.94E-07	2.09E-07
125	486733.18	3855993.15	1.54E-03	1.58E-03	1.49E-03	5.34E-07	1.61E-06	9.33E-07	9.56E-07	8.66E-07	3.95E-07	3.73E-07	1.78E-08	4.31E-07	9.50E-08	1.30E-07	2.06E-07	3.63E-08	2.46E-08	9.40E-07	4.87E-07	2.07E-07	2.43E-07	9.54E-08	4.87E-07	2.07E-07
126	486783.18	3855993.15	1.52E-03	1.56E-03	1.47E-03	5.28E-07	1.59E-06	9.22E-07	9.45E-07	8.56E-07	3.91E-07	3.69E-07	1.76E-08	4.26E-07	9.39E-08	1.28E-07	2.03E-07	3.59E-08	2.43E-08	9.29E-07	4.81E-07	2.04E-07	2.40E-07	9.44E-08	4.81E-07	2.04E-07
127	486533.18	3856043.15	1.68E-03	1.72E-03	1.62E-03	5.80E-07	1.75E-06	1.01E-06	1.04E-06	9.42E-07	4.30E-07	4.05E-07	1.94E-08	4.68E-07	1.03E-07	1.41E-07	2.24E-07	3.94E-08	2.67E-08	1.02E-06	5.29E-07	2.25E-07	2.64E-07	1.04E-07	5.29E-07	2.25E-07
128	486583.18	3856043.15	1.65E-03	1.69E-03	1.60E-03	5.73E-07	1.73E-06	1.00E-06	1.03E-06	9.29E-07	4.24E-07	4.00E-07	1.91E-08	4.62E-07	1.02E-07	1.39E-07	2.21E-07	3.89E-08	2.64E-08	1.01E-06	5.22E-07	2.22E-07	2.61E-07	1.02E-07	5.22E-07	2.22E-07
129	486633.18	3856043.15	1.63E-03	1.67E-03	1.57E-03	5.63E-07	1.70E-06	9.84E-07	1.01E-06	9.14E-07	4.17E-07	3.93E-07	1.88E-08	4.54E-07	1.00E-07	1.37E-07	2.17E-07	3.83E-08	2.59E-08	9.91E-07	5.13E-07	2.18E-07	2.56E-07	1.01E-07	5.13E-07	2.18E-07
130	486683.18	3856043.15	1.61E-03	1.65E-03	1.55E-03	5.57E-07	1.68E-06	9.73E-07	9.97E-07	9.04E-07	4.12E-07	3.89E-07	1.86E-08	4.49E-07	9.91E-08	1.35E-07	2.15E-07	3.78E-08	2.57E-08	9.80E-07	5.08E-07	2.15E-07	2.53E-07	9.96E-08	5.08E-07	2.15E-07
131	486733.18	3856043.15	1.58E-03	1.62E-03	1.53E-03	5.48E-07	1.66E-06	9.58E-07	9.81E-07	8.90E-07	4.06E-07	3.83E-07	1.83E-08	4.42E-07	9.76E-08	1.33E-07	2.11E-07	3.73E-08	2.53E-08	9.65E-07	5.00E-07	2.12E-07	2.49E-07	9.80E-08	5.00E-07	2.12E-07
132	486783.18	3856043.15	1.57E-03	1.61E-03	1.52E-03	5.43E-07	1.64E-06	9.49E-07	9.72E-07	8.81E-07	4.02E-07	3.79E-07	1.81E-08	4.38E-07	9.67E-08	1.32E-07	2.09E-07	3.69E-08	2.50E-08	9.56E-07	4.95E-07	2.10E-07	2.47E-07	9.71E-08	4.95E-07	2.10E-07
133	486533.18	3856093.15	1.73E-03	1.77E-03	1.67E-03	5.99E-07	1.81E-06	1.05E-06	1.07E-06	9.73E-07	4.44E-07	4.19E-07	2.00E-08	4.83E-07	1.07E-07	1.46E-07	2.31E-07	4.07E-08	2.76E-08	1.06E-06	5.46E-07	2.32E-07	2.73E-07	1.07E-07	5.46E-07	2.32E-07
134	486583.18	3856093.15	1.70E-03	1.74E-03	1.65E-03	5.90E-07	1.78E-06	1.03E-06	1.06E-06	9.57E-07	4.37E-07	4.12E-07	1.97E-08	4.76E-07	1.05E-07	1.43E-07	2.27E-07	4.01E-08	2.72E-08	1.04E-06	5.38E-07	2.28E-07	2.68E-07	1.05E-07	5.38E-07	2.28E-07
135	486633.18	3856093.15	1.68E-03	1.72E-03	1.62E-03	5.80E-07	1.75E-06	1.01E-06	1.04E-06	9.42E-07	4.30E-07	4.05E-07	1.94E-08	4.68E-07	1.03E-07	1.41E-07	2.24E-07	3.94E-08	2.67E-08	1.02E-06	5.29E-07	2.25E-07	2.64E-07	1.04E-07	5.29E-07	2.25E-07
136	486683.18	3856093.15	1.65E-03	1.69E-03	1.60E-03	5.73E-07	1.73E-06	1.00E-06	1.03E-06	9.29E-07	4.24E-07	4.00E-07	1.91E-08	4.62E-07	1.02E-07	1.39E-07	2.21E-07	3.89E-08	2.64E-08	1.01E-06	5.22E-07	2.22E-07	2.61E-07	1.02E-07	5.22E-07	2.22E-07
137	486733.18	3856093.15	1.63E-03	1.67E-03	1.57E-03	5.64E-07	1.70E-06	9.86E-07	1.01E-06	9.15E-07	4.18E-07	3.94E-07	1.88E-08	4.55E-07	1.00E-07	1.37E-07	2.17E-07	3.83E-08	2.60E-08	9.93E-07	5.14E-07	2.18E-07	2.57E-07	1.01E-07	5.14E-07	2.18E-07
138	486783.18	3856093.15	1.61E-03	1.65E-03	1.56E-03	5.58E-07	1.68E-06	9.75E-07	9.99E-07	9.05E-07	4.13E-07	3.90E-07	1.86E-08	4.50E-07	9.93E-08	1.36E-07	2.15E-07	3.79E-08	2.57E-08	9.82E-07	5.09E-07	2.16E-07	2.54E-07	9.97E-08	5.09E-07	2.16E-07
139	486533.18	3856143.15	1.78E-03	1.83E-03	1.72E-03	6.18E-07	1.86E-06	1.08E-06	1.11E-06	1.00E-06	4.57E-07	4.31E-07	2.06E-08	4.98E-07	1.10E-07	1.50E-07	2.38E-07	4.20E-08	2.85E-08	1.09E-06	5.63E-07	2.39E-07	2.81E-07	1.10E-07	5.63E-07	2.39E-07
140	486583.18	3856143.15	1.75E-03	1.79E-03	1.69E-03	6.06E-07	1.83E-06	1.06E-06	1.09E-06	9.84E-07	4.49E-07	4.24E-07	2.03E-08	4.89E-07	1.08E-07	1.47E-07	2.34E-07	4.12E-08	2.79E-08	1.07E-06	5.53E-07	2.35E-07	2.76E-07	1.08E-07	5.53E-07	2.35E-07
141	486633.18	3856143.15	1.73E-03	1.77E-03	1.67E-03	5.98E-07	1.80E-06	1.04E-06	1.07E-06	9.70E-07	4.43E-07	4.18E-07	2.00E-08	4.82E-07	1.06E-07	1.45E-07	2.30E-07	4.06E-08	2.75E-08	1.05E-06	5.45E-07	2.31E-07	2.72E-07	1.07E-07	5.45E-07	2.31E-07
142	486683.18	3856143.15	1.70E-03	1.74E-03	1.64E-03	5.89E-07	1.78E-06	1.03E-06	1.05E-06	9.55E-07	4.36E-07	4.11E-07	1.97E-08	4.75E-07	1.05E-07	1.43E-07	2.27E-07	4.00E-08	2.71E-08	1.04E-06	5.37E-07	2.28E-07	2.68E-07	1.05E-07	5.37E-07	2.28E-07
143	486733.18	3856143.15	1.68E-03	1.72E-03	1.62E-03	5.80E-07	1.75E-06	1.01E-06	1.04E-06	9.42E-07	4.30E-07	4.05E-07	1.94E-08	4.68E-07	1.03E-07	1.41E-07	2.24E-07	3.94E-08	2.67E-08	1.02E-06	5.29E-07	2.25E-07	2.64E-07	1.04E-07	5.29E-07	2.25E-07
144	486783.18	3856143.15	1.66E-03	1.70E-03	1.60E-03	5.75E-07	1.74E-06	1.00E-06	1.03E-06	9.33E-07	4.26E-07	4.01E-07	1.92E-08	4.64E-07	1.02E-07	1.40E-07	2.22E-07	3.91E-08	2.65E-08	1.01E-06	5.24E-07	2.22E-07	2.62E-07	1.03E-07	5.24E-07	2.22E-07
145	486533.18	3856193.15	1.84E-03	1.89E-03	1.78E-03	6.38E-07	1.93E-06	1.12E-06	1.14E-06	1.04E-06	4.73E-07	4.46E-07	2.13E-08	5.15E-07	1.14E-07	1.55E-07	2.46E-07	4.34E-08	2.94E-08	1.12E-06	5.82E-07	2.47E-07	2.90E-07	1.14E-07	5.82E-07	2.47E-07
146	486583.18	3856193.15	1.81E-03	1.85E-03	1.75E-03	6.25E-07	1.89E-06	1.09E-06	1.12E-06	1.01E-06	4.63E-07	4.37E-07	2.09E-08	5.04E-07	1.11E-07	1.52E-07	2.41E-07	4.25E-08	2.88E-08	1.10E-06	5.70E-07	2.42E-07	2.85E-07	1.12E-07	5.70E-07	2.42E-07
147	486633.18	3856193.15	1.78E-03	1.82E-03	1.72E-03	6.16E-07	1.86E-06	1.08E-06	1.10E-06	9.99E-07	4.56E-07	4.30E-07	2.06E-08	4.97E-07	1.10E-07	1.50E-07	2.37E-07	4.18E-08	2.84E-08	1.08E-06	5.61E-07	2.38E-07	2.80E-07	1.10E-07	5.61E-07	2.38E-07

148	486683.18	3856193.15	1.76E-03	1.80E-03	1.70E-03	6.08E-07	1.84E-06	1.06E-06	1.09E-06	9.87E-07	4.50E-07	4.25E-07	2.03E-08	4.90E-07	1.08E-07	1.48E-07	2.34E-07	4.13E-08	2.80E-08	1.07E-06	5.54E-07	2.35E-07	2.77E-07	1.09E-07	5.54E-07	2.35E-07
149	486733.18	3856193.15	1.73E-03	1.77E-03	1.67E-03	5.98E-07	1.81E-06	1.05E-06	1.07E-06	9.71E-07	4.43E-07	4.18E-07	2.00E-08	4.83E-07	1.06E-07	1.45E-07	2.31E-07	4.07E-08	2.76E-08	1.05E-06	5.45E-07	2.31E-07	2.72E-07	1.07E-07	5.45E-07	2.31E-07
150	486783.18	3856193.15	1.71E-03	1.75E-03	1.65E-03	5.92E-07	1.79E-06	1.03E-06	1.06E-06	9.61E-07	4.38E-07	4.14E-07	1.98E-08	4.78E-07	1.05E-07	1.44E-07	2.28E-07	4.02E-08	2.73E-08	1.04E-06	5.40E-07	2.29E-07	2.69E-07	1.06E-07	5.40E-07	2.29E-07
151	486533.18	3856243.15	1.90E-03	1.95E-03	1.84E-03	6.59E-07	1.99E-06	1.15E-06	1.18E-06	1.07E-06	4.88E-07	4.60E-07	2.20E-08	5.31E-07	1.17E-07	1.60E-07	2.54E-07	4.48E-08	3.03E-08	1.16E-06	6.00E-07	2.55E-07	3.00E-07	1.18E-07	6.00E-07	2.55E-07
152	486583.18	3856243.15	1.87E-03	1.91E-03	1.81E-03	6.47E-07	1.95E-06	1.13E-06	1.16E-06	1.05E-06	4.79E-07	4.52E-07	2.16E-08	5.22E-07	1.15E-07	1.57E-07	2.49E-07	4.40E-08	2.98E-08	1.14E-06	5.90E-07	2.50E-07	2.94E-07	1.16E-07	5.90E-07	2.50E-07
153	486633.18	3856243.15	1.84E-03	1.88E-03	1.77E-03	6.36E-07	1.92E-06	1.11E-06	1.14E-06	1.03E-06	4.71E-07	4.44E-07	2.12E-08	5.13E-07	1.13E-07	1.54E-07	2.45E-07	4.32E-08	2.93E-08	1.12E-06	5.79E-07	2.46E-07	2.89E-07	1.14E-07	5.79E-07	2.46E-07
154	486683.18	3856243.15	1.81E-03	1.85E-03	1.75E-03	6.26E-07	1.89E-06	1.09E-06	1.12E-06	1.02E-06	4.64E-07	4.38E-07	2.09E-08	5.05E-07	1.11E-07	1.52E-07	2.42E-07	4.26E-08	2.89E-08	1.10E-06	5.71E-07	2.42E-07	2.85E-07	1.12E-07	5.71E-07	2.42E-07
155	486733.18	3856243.15	1.79E-03	1.83E-03	1.73E-03	6.18E-07	1.87E-06	1.08E-06	1.11E-06	1.00E-06	4.58E-07	4.32E-07	2.06E-08	4.99E-07	1.10E-07	1.50E-07	2.38E-07	4.20E-08	2.85E-08	1.09E-06	5.64E-07	2.39E-07	2.81E-07	1.11E-07	5.64E-07	2.39E-07
156	486783.18	3856243.15	1.76E-03	1.80E-03	1.70E-03	6.09E-07	1.84E-06	1.06E-06	1.09E-06	9.88E-07	4.51E-07	4.25E-07	2.03E-08	4.91E-07	1.08E-07	1.48E-07	2.35E-07	4.14E-08	2.81E-08	1.07E-06	5.55E-07	2.36E-07	2.77E-07	1.09E-07	5.55E-07	2.36E-07
157	486533.18	3856293.15	1.97E-03	2.01E-03	1.90E-03	6.81E-07	2.06E-06	1.19E-06	1.22E-06	1.11E-06	5.04E-07	4.76E-07	2.27E-08	5.49E-07	1.21E-07	1.66E-07	2.63E-07	4.63E-08	3.14E-08	1.20E-06	6.21E-07	2.63E-07	3.10E-07	1.22E-07	6.21E-07	2.63E-07
158	486583.18	3856293.15	1.93E-03	1.98E-03	1.86E-03	6.68E-07	2.02E-06	1.17E-06	1.20E-06	1.08E-06	4.94E-07	4.66E-07	2.23E-08	5.39E-07	1.19E-07	1.62E-07	2.57E-07	4.54E-08	3.08E-08	1.18E-06	6.09E-07	2.58E-07	3.04E-07	1.19E-07	6.09E-07	2.58E-07
159	486633.18	3856293.15	1.90E-03	1.94E-03	1.83E-03	6.56E-07	1.98E-06	1.15E-06	1.18E-06	1.07E-06	4.86E-07	4.59E-07	2.19E-08	5.30E-07	1.17E-07	1.60E-07	2.53E-07	4.46E-08	3.02E-08	1.16E-06	5.99E-07	2.54E-07	2.99E-07	1.17E-07	5.99E-07	2.54E-07
160	486683.18	3856293.15	1.87E-03	1.91E-03	1.80E-03	6.46E-07	1.95E-06	1.13E-06	1.16E-06	1.05E-06	4.78E-07	4.51E-07	2.16E-08	5.21E-07	1.15E-07	1.57E-07	2.49E-07	4.39E-08	2.98E-08	1.14E-06	5.89E-07	2.50E-07	2.94E-07	1.15E-07	5.89E-07	2.50E-07
161	486733.18	3856293.15	1.84E-03	1.89E-03	1.78E-03	6.38E-07	1.93E-06	1.12E-06	1.14E-06	1.04E-06	4.73E-07	4.46E-07	2.13E-08	5.15E-07	1.14E-07	1.55E-07	2.46E-07	4.34E-08	2.94E-08	1.12E-06	5.82E-07	2.47E-07	2.90E-07	1.14E-07	5.82E-07	2.47E-07
162	486783.18	3856293.15	1.82E-03	1.86E-03	1.75E-03	6.28E-07	1.90E-06	1.10E-06	1.13E-06	1.02E-06	4.65E-07	4.39E-07	2.10E-08	5.07E-07	1.12E-07	1.53E-07	2.42E-07	4.27E-08	2.90E-08	1.11E-06	5.73E-07	2.43E-07	2.86E-07	1.12E-07	5.73E-07	2.43E-07
163	486783.18	3856343.15	1.88E-03	1.92E-03	1.81E-03	6.50E-07	1.96E-06	1.14E-06	1.16E-06	1.05E-06	4.81E-07	4.54E-07	2.17E-08	5.24E-07	1.16E-07	1.58E-07	2.51E-07	4.42E-08	2.99E-08	1.14E-06	5.93E-07	2.51E-07	2.96E-07	1.16E-07	5.93E-07	2.51E-07
164	486833.18	3856343.15	1.85E-03	1.90E-03	1.79E-03	6.41E-07	1.93E-06	1.12E-06	1.15E-06	1.04E-06	4.74E-07	4.47E-07	2.14E-08	5.17E-07	1.14E-07	1.56E-07	2.47E-07	4.35E-08	2.95E-08	1.13E-06	5.84E-07	2.48E-07	2.92E-07	1.15E-07	5.84E-07	2.48E-07
165	486883.18	3856343.15	1.83E-03	1.87E-03	1.77E-03	6.32E-07	1.91E-06	1.11E-06	1.13E-06	1.03E-06	4.68E-07	4.42E-07	2.11E-08	5.10E-07	1.13E-07	1.54E-07	2.44E-07	4.30E-08	2.91E-08	1.11E-06	5.77E-07	2.45E-07	2.88E-07	1.13E-07	5.77E-07	2.45E-07
166	486783.18	3856393.15	1.93E-03	1.98E-03	1.87E-03	6.70E-07	2.02E-06	1.17E-06	1.20E-06	1.09E-06	4.96E-07	4.68E-07	2.24E-08	5.40E-07	1.19E-07	1.63E-07	2.58E-07	4.55E-08	3.09E-08	1.18E-06	6.11E-07	2.59E-07	3.05E-07	1.20E-07	6.11E-07	2.59E-07
167	486833.18	3856393.15	1.91E-03	1.95E-03	1.84E-03	6.60E-07	1.99E-06	1.15E-06	1.18E-06	1.07E-06	4.89E-07	4.61E-07	2.20E-08	5.32E-07	1.17E-07	1.60E-07	2.55E-07	4.49E-08	3.04E-08	1.16E-06	6.02E-07	2.55E-07	3.00E-07	1.18E-07	6.02E-07	2.55E-07
168	486883.18	3856393.15	1.88E-03	1.92E-03	1.81E-03	6.50E-07	1.96E-06	1.14E-06	1.16E-06	1.05E-06	4.81E-07	4.54E-07	2.17E-08	5.24E-07	1.16E-07	1.58E-07	2.51E-07	4.42E-08	2.99E-08	1.14E-06	5.93E-07	2.51E-07	2.96E-07	1.16E-07	5.93E-07	2.51E-07
169	487208.74	3856886.11	2.33E-03	2.38E-03	2.25E-03	8.05E-07	2.43E-06	1.41E-06	1.44E-06	1.31E-06	5.96E-07	5.62E-07	2.69E-08	6.49E-07	1.43E-07	1.96E-07	3.10E-07	5.47E-08	3.71E-08	1.42E-06	7.34E-07	3.11E-07	3.66E-07	1.44E-07	7.34E-07	3.11E-07
170	487258.74	3856886.11	2.28E-03	2.34E-03	2.20E-03	7.90E-07	2.38E-06	1.38E-06	1.41E-06	1.28E-06	5.85E-07	5.52E-07	2.64E-08	6.37E-07	1.41E-07	1.92E-07	3.05E-07	5.37E-08	3.64E-08	1.39E-06	7.20E-07	3.06E-07	3.59E-07	1.41E-07	7.20E-07	3.06E-07
171	487308.74	3856886.11	2.24E-03	2.30E-03	2.17E-03	7.76E-07	2.34E-06	1.36E-06	1.39E-06	1.26E-06	5.75E-07	5.42E-07	2.59E-08	6.26E-07	1.38E-07	1.89E-07	2.99E-07	5.27E-08	3.58E-08	1.37E-06	7.08E-07	3.00E-07	3.53E-07	1.39E-07	7.08E-07	3.00E-07
172	487358.74	3856886.11	2.20E-03	2.25E-03	2.13E-03	7.62E-07	2.30E-06	1.33E-06	1.36E-06	1.24E-06	5.64E-07	5.32E-07	2.54E-08	6.14E-07	1.36E-07	1.85E-07	2.94E-07	5.18E-08	3.51E-08	1.34E-06	6.95E-07	2.95E-07	3.47E-07	1.36E-07	6.95E-07	2.95E-07
173	487208.74	3856936.11	2.41E-03	2.47E-03	2.33E-03	8.35E-07	2.52E-06	1.46E-06	1.49E-06	1.35E-06	6.18E-07	5.83E-07	2.79E-08	6.73E-07	1.49E-07	2.03E-07	3.22E-07	5.67E-08	3.85E-08	1.47E-06	7.61E-07	3.23E-07	3.80E-07	1.49E-07	7.61E-07	3.23E-07
174	487258.74	3856936.11	2.36E-03	2.42E-03	2.28E-03	8.18E-07	2.47E-06	1.43E-06	1.47E-06	1.33E-06	6.06E-07	5.72E-07	2.73E-08	6.60E-07	1.46E-07	1.99E-07	3.16E-07	5.56E-08	3.77E-08	1.44E-06	7.46E-07	3.17E-07	3.72E-07	1.46E-07	7.46E-07	3.17E-07
175	487308.74	3856936.11	2.32E-03	2.38E-03	2.24E-03	8.04E-07	2.43E-06	1.41E-06	1.44E-06	1.31E-06	5.95E-07	5.62E-07	2.69E-08	6.49E-07	1.43E-07	1.95E-07	3.10E-07	5.46E-08	3.70E-08	1.42E-06	7.33E-07	3.11E-07	3.66E-07	1.44E-07	7.33E-07	3.11E-07
176	487358.74	3856936.11	2.28E-03	2.34E-03	2.20E-03	7.89E-07	2.38E-06	1.38E-06	1.41E-06	1.28E-06	5.85E-07	5.51E-07	2.64E-08	6.37E-07	1.40E-07	1.92E-07	3.04E-07	5.36E-08	3.64E-08	1.39E-06	7.20E-07	3.05E-07	3.59E-07	1.41E-07	7.20E-07	3.05E-07
177	487208.74	3856986.11	2.50E-03	2.56E-03	2.42E-03	8.66E-07	2.62E-06	1.51E-06	1.55E-06	1.41E-06	6.42E-07	6.05E-07	2.89E-08	6.99E-07	1.54E-07	2.11E-07	3.34E-07	5.89E-08	3.99E-08	1.53E-06	7.90E-07	3.35E-07	3.94E-07	1.55E-07	7.90E-07	3.35E-07
178	487258.74	3856986.11	2.46E-03	2.52E-03	2.38E-03	8.51E-07	2.57E-06	1.49E-06	1.52E-06	1.38E-06	6.30E-07	5.95E-07	2.84E-08	6.87E-07	1.51E-07	2.07E-07	3.28E-07	5.78E-08	3.92E-08	1.50E-06	7.76E-07	3.29E-07	3.87E-07	1.52E-07	7.76E-07	3.29E-07
179	487308.74	3856986.11	2.41E-03	2.47E-03	2.33E-03	8.33E-07	2.52E-06	1.46E-06	1.49E-06	1.35E-06	6.17E-07	5.82E-07	2.78E-08	6.72E-07	1.48E-07	2.03E-07	3.21E-07	5.66E-08	3.84E-08	1.47E-06	7.60E-07	3.22E-07	3.79E-07	1.49E-07	7.60E-07	3.22E-07
180	487358.74	3856986.11	2.37E-03	2.42E-03	2.29E-03	8.19E-07	2.47E-06	1.43E-06	1.47E-06	1.33E-06	6.06E-07	5.72E-07	2.73E-08	6.61E-07	1.46E-07	1.99E-07	3.16E-07	5.57E-08	3.77E-08	1.44E-06	7.47E-07	3.17E-07	3.73E-07	1.46E-07	7.47E-07	3.17E-07
181	487208.74	3857036.11	2.60E-03	2.66E-03	2.51E-03	9.01E-07	2.72E-06	1.57E-06	1.61E-06	1.46E-06	6.67E-07	6.29E-07	3.01E-08	7.27E-07	1.60E-07	2.19E-07	3.47E-07	6.12E-08	4.15E-08	1.59E-06	8.21E-07	3.48E-07	4.10E-07	1.61E-07	8.21E-07	3.48E-07
182	487258.74	3857036.11	2.55E-03	2.61E-03	2.46E-03	8.83E-07	2.67E-06	1.54E-06	1.58E-06	1.43E-06	6.54E-07	6.17E-07	2.95E-08	7.12E-07	1.57E-07	2.15E-07	3.40E-07	6.00E-08	4.07E-08	1.55E-06	8.05E-07	3.42E-07	4.02E-07	1.58E-07	8.05E-07	3.42E-07
183	487308.74	3857036.11	2.50E-03	2.56E-03	2.42E-03	8.66E-07	2.62E-06	1.51E-06	1.55E-06	1.41E-06	6.42E-07	6.05E-07	2.89E-08	6.99E-07	1.54E-07	2.11E-07	3.34E-07	5.89E-08	3.99E-08	1.53E-06	7.90E-07	3.35E-07	3.94E-07	1.55E-07	7.90E-07	3.35E-07
184	487358.74	3857036.11	2.46E-03	2.52E-03	2.37E-03	8.50E-07	2.57E-06	1.49E-06	1.52E-06	1.38E-06	6.30E-07	5.94E-07	2.84E-08	6.86E-07	1.51E-07	2.07E-07	3.28E-07	5.78E-08	3.92E-08	1.50E-06	7.75E-07	3.29E-07	3.87E-07	1.52E-07	7.75E-07	3.29E-07
185	487427.14	3856878.23	2.15E-03	2.20E-03	2.07E-03	7.43E-07	2.24E-06	1.30E-06	1.33E-06	1.21E-06	5.50E-07	5.19E-07	2.48E-08	5.99E-07	1.32E-07	1.81E-07	2.86E-07	5.05E-08	3.42E-08	1.31E-06	6.77E-07	2.87E-07	3.38E-07	1.33E-07	6.77E-07	2.87E-07
186	487477.14	3856878.23	2.11E-03	2.16E-03	2.04E-03	7.32E-07	2.21E-06	1.28E-06	1.31E-06	1.19E-06	5.42E-07	5.11E-07	2.44E-08	5.90E-07	1.30E-07	1.78E-07	2.82E-07	4.97E-08	3.37E-08	1.29E-06	6.67E-07	2.83E-07	3.33E-07	1.31E-07	6.67E-07	2.83E-07
187	487527.14	3856878.23	2.08E-03	2.13E-03	2.01E-03	7.20E-07	2.18E-06	1.26E-06	1.29E-06	1.17E-06	5.33E-07	5.03E-07	2.41E-08	5.81E-07	1.28E-07	1.75E-07	2.78E-07	4.90E-08	3.32E-08	1.27E-06	6.57E-07	2.79E-07	3.28E-07	1.29E-07	6.57E-07	2.79E-07
188	487427.14	3856928.23	2.22E-03	2.27E-03	2.14E-03	7.68E-07	2.32E-06	1.34E-06	1.37E-06	1.25E-06	5.69E-07	5.36E-07	2.56E-08	6.19E-07	1.37E-07	1.87E-07	2.96E-07	5.22E-08	3.54E-08	1.35E-06	7.00E-07	2.97E-07	3.49E-07	1.37E-07	7.00E-07	2.97E-07
189	487477.14	3856928.23	2.18E-03	2.23E-03	2.11E-03	7.55E-07	2.28E-06	1.32E-06	1.35E-06	1.22E-06	5.59E-07	5.27E-07	2.52E-08	6.09E-07	1.34E-07	1.83E-07	2.91E-07	5.13E-08	3.48E-08	1.33E-06	6.88E-07	2.92E-07	3.43E-07	1.35E-07	6.88E-07	2.92E-07
190	487527.14	3856928.23	2.15E-03	2.20E-03	2.07E-03	7.43E-07	2.24E-06	1.30E-06	1.33E-06	1.21E-06	5.50E-07	5.19E-07	2.48E-08	5.99E-07	1.32E-07	1.81E-07	2.86E-07	5.05E-08	3.42E-08	1.31E-06	6.77E-07	2.87E-07	3.38E-07	1.33E-07	6.77E-07	2.87E-07
191	487577.14	3856928.23	2.11E-03	2.16E-03	2.04E-03	7.32E-07	2.21E-06	1.28E-06	1.31E-06	1.19E-06	5.42E-07	5.11E-07	2.44E-08	5.90E-07	1.30E-07	1.78E-07	2.82E-07	4.97E-08	3.37E-08	1.29E-06	6.67E-07	2.83E-07	3.33E-07	1.31E-07	6.67E-07	2.83E-07
192	487627.14	3856928.23	2.08E-03	2.13E-03	2.01E-03	7.20E-07	2.17E-06	1.26E-06	1.29E-06	1.17E-06	5.33E-07	5.03E-07	2.40E-08	5.81E-07	1.28E-07	1.75E-07	2.78E-07	4.89E-08	3.32E-08	1.27E-06	6.56E-07	2.78E-07	3.28E-07	1.29E-07	6.56E-07	2.78E-07
193	487677.14	3856928.23	2.05E-03	2.10E-03	1.98E-03	7.10E-07	2.14E-06	1.24E-06	1.27E-06	1.15E-06	5.26E-07	4.96E-07	2.37E-08	5.73E-07	1.26E-07	1.73E-07	2.74E-07	4.83E-08	3.27E-08	1.25E-06	6.47E-07	2.75E-07	3.23E-07	1.27E-07	6.47E-07	2.75E-07
194	487727.14	3856928.23	2.03E-03	2.08E-03	1.96E-03	7.01E-07	2.12E-06	1.23E-06	1.26E-06	1.14E-06	5.19E-07	4.90E-07	2.34E-08	5.66E-07	1.25E-07	1.71E-07	2.70E-07	4.77E-08	3.23E-08	1.24E-06	6.40E-07	2.71E-07	3.19E-07	1.25E-07	6.40E-07	2.71E-07
195	487777.14	3856928.23	2.00E-03	2.05E-03	1.93E-03	6.92E-07	2.09E-06	1.21E-06	1.24E-06	1.12E-06	5.12E-07	4.83E-07	2.31E-08	5.58E-07	1.23E-07	1.68E-07	2.67E-07	4.70E-08	3.19E-08	1.22E-06	6.31E-07	2.68E-07	3.15E-07	1.24E-07	6.31E-07	2.68E-07
196	487427.14	3856978.23	2.29E-03	2.35E-03	2.22E-03	7.94E-07	2.40E-06	1.39E-06	1.42E-06	1.29E-06	5.88E-07	5.55E-07	2.65E-08	6.40E-07	1.41E-07	1.93E-07	3.06E-07	5.40E-08	3.66E-08	1.40E-06	7.24E-07	3.07E-07	3.61E-07	1.42E-07	7.24E-07	3.07E-07
197	487477.14	3856978.23	2.26E-03	2.31E-03	2.18E-03	7.81E-07	2.36E-06	1.36E-06	1.40E-06	1.27E-06	5.78E-07	5.45E-07	2.61E-08	6.30E-07	1.39E-07	1.90E-07	3.01E-07	5.31E-08	3.60E-08	1.37E-06	7.12E-07	3.02E-07	3.55E-07	1.40E-07	7.12E-07	3.02E-07
198	487527.14	3856978.23	2.22E-03	2.27E-03	2.14E-03	7.68E-07	2.32E-06	1.34E-06	1.38E-06	1.25E-06	5.69E-07	5.37E-07	2.57E-08	6.20E-07	1.37E-07	1.87E-07	2.96E-07	5.22E-08	3.54E-08	1.35E-06	7.01E-07	2.97E-07	3.50E-07	1.37E-07	7.01E-07	2.97E-07
199	487577.14	3856978.23	2.18E-03	2.24E-03	2.11E-03	7.56E-07	2.28E-06	1.32E-06	1.35E-06	1.23E-06	5.60E-07	5.28E-07	2.52E-08	6.10E-07	1.35E-07	1.84E-07	2.92E-07	5.14E-08	3.48E-08	1.33E-06	6.89E-07	2.93E-07	3.44E-07	1.35E-07	6.89E-07	2.93E-07
200	487627.14	3856978.23	2.15E-03	2.20E-03	2.07E-03	7.43E-07	2.24E-06	1.30E-06	1.33E-06	1.21E-06	5.50E-07	5.19E-07	2.48E-08	5.99E-07	1.32E-07	1.81E-07	2.86E-07	5.05E-08	3.42E-08	1.31E-06	6.77E-07	2.87E-07	3.38E-07	1.33E-07	6.77E-07	2.87E-07
201	487677.14	3856978.23	2.12E-03	2.17E-03	2.04E-03	7.33E-07	2.21E-06	1.28E-06	1.31E-06	1.19E-06	5.43E-07	5.12E-07	2.45E-08	5.91E-07	1.30E-07	1.78E-07	2.82E-07	4.98E-08	3.38E-08	1.29E-06	6.68E-07	2.83E-07	3.33E-07	1.31E-07	6.68E-07	2.83E-07
202	487727.14	3856978.23	2.08E-03	2.13E-03	2.00E-03	7.18E-07	2.17E-06	1.26E-06	1.29E-06	1.17E-06	5.32E-07	5.02E-07	2.40E-08	5.79E-07	1.28E-07	1.75E-07	2.77E-07	4.88E-08	3.31E-08	1.26E-06	6.55E-07	2.78E-07	3.27E-07	1.28E-07	6.55E-07	2.78E-07
203	487777.14	3856978.23	2.06E-03	2.11E-03	1.99E-03	7.13E-07	2.15E-06	1.25E-06	1.28E-06	1.16E-06	5.28E-07	4.98E-07	2.38E-08	5.75E-07	1.27E-07	1.73E-07	2.75E-07	4.85E-08	3.29E-08	1.26E-06	6.50E-07	2.76E-07	3.25E-07	1.28E-07	6.50E-07	2.76E-07
204	487427.14	3857028.23	2.38E-03	2.44E-03	2.30E-03	8.24E-07	2.49E-06	1.44E-06	1.47E-06	1.34E-06	6.10E-07	5.75E-07	2.75E-08	6.64E-07	1.47E-07	2.00E-07	3.18E-07	5.60E-08	3.79E-08	1.45E-06	7.51E-07	3.19E-07	3.75E-07	1.47E-07	7.51E-07	3.19E-07
205	487477.14	3857028.23	2.34E-03	2.39E-03	2.26E-03	8.09E-07	2.44E-06	1.41E-06	1.45E-06	1.31E-06	5.99E-07	5.65E-07	2.70E-08	6.53E-07	1.44E-07	1.97E-07	3.12E-07	5.50E-08	3.73E-08	1.42E-06	7.38E-07	3.13E-07	3.68E-07	1.45E-07	7.38E-07	3.13E-07
206	487527.14	3857028.23	2.29E-03	2.35E-03	2.22E-03	7.94E-07	2.40E-06	1.39E-06	1.42E-06	1.29E-06	5.88E-07	5.55E-07	2.65E-08	6.41E-07	1.41E-07	1.93E-07	3.06E-07	5.40E-08	3.66E-08	1.40E-06	7.24E-07	3.07E-07	3.62E-07	1.42E-07	7.24E-07	3.07E-07
207	487577.14	3857028.23	2.26E-03	2.31E-03	2.18E-03	7.82E-07	2.36E-06	1.37E-06	1.40E-06	1.27E-06	5.79E-07	5.46E-07	2.61E-08	6.31E-07	1.39E-07	1.90E-07	3.01E-07	5.31E-08	3.60E-08	1.38E-06	7.13E-07	3.02E-07	3.56E-07	1.40E-07	7.13E-07	3.02E-07
208	487627.14	3857028.23	2.22E-03	2.27E-03	2.14E-03	7.67E-07	2.32E-06	1.34E-06	1.37E-06	1.24E-06	5.68E-07	5.36E-07	2.56E-08	6.19E-07	1.36E-07	1.86E-07	2.96E-07	5.21E-08	3.53E-08	1.35E-06	6.99E-07	2.97E-07	3.49E-07	1.37E-07	6.99E-07	2.97E-07
209	487677.14	3857028.23	2.18E-03	2.24E-03	2.11E-03	7.56E-07	2.28E-06	1.32E-06	1.35E-06	1.23E-06	5.60E-07	5.28E-07	2.52E-08	6.09E-07	1.34E-07	1.84E-07	2.91E-07	5.13E-08	3.48E-08	1.33E-06	6.89E-07	2.92E-07	3.44E-07	1.35E-07	6.89E-07	2.92E-07
210	487727.14	3857028.23	2.15E-03	2.21E-03	2.08E-03	7.46E-07	2.25E-06	1.30E-06	1.34E-06	1.21E-06	5.52E-07	5.21E-07	2.49E-08	6.02E-07	1.33E-07	1.81E-07	2.88E-07	5.07E-08	3.44E-08	1.31E-06	6.80E-07	2.89E-07	3.39E-07	1.33E-07	6.80E-07	2.89E-07
211	487777.14	3857028.23	2.12E-03	2.18E-03	2.05E-03	7.35E-07	2.22E-06	1.29E-06	1.32E-06	1.19E-06	5.44E-07	5.14E-07	2.45E-08	5.93E-07	1.31E-07	1.79E-07	2.83E-07	5.00E-08	3.39E-08	1.29E-06	6.70E-07	2.84E-07	3.35E-07	1.31E-07	6.70E-07	2.84E-07
212	487427.14	3857078.23	2.47E-03	2.53E-03	2.39E-03	8.55E-07	2.58E-06	1.49E-06	1.53E-06	1.39E-06	6.33E-07	5.97E-07	2.86E-08	6.90E-07	1.52E-07	2.08E-07	3.30E-07	5.81E-08	3.94E-08	1.51E-06	7.80E-07	3.31E-07	3.89E-07	1.53E-07	7.80E-07	3.31E-07
213	487477.14	3857078.23	2.42E-03	2.48E-03	2.34E-03	8.38E-07	2.53E-06	1.47E-06	1.50E-06	1.36E-06	6.21E-07	5.86E-07	2.80E-08	6.76E-07	1.49E-07	2.04E-07	3.23E-07	5.70E-08	3.86E-08	1.48E-06	7.64E-07	3.24E-07	3.82E-07	1.50E-07	7.64E-07	3.24E-07
214	487527.14	3857078.23	2.38E-03	2.44E-03	2.30E-03	8.24E-07	2.49E-06	1.44E-06	1.47E-06	1.34E-06	6.10E-07	5.75E-07	2.75E-08	6.64E-07	1.47E-07	2.00E-07	3.18E-07	5.60E-08	3.79E-08	1.45E-06	7.51E-07	3.19E-07	3.75E-07	1.47E-07	7.51E-07	3.19E-07
215	487577.14	3857078.23	2.34E-03	2.39E-03	2.26E-03	8.09E-07	2.44E-06	1.41E-06	1.45E-06	1.31E-06	5.99E-07	5.65E-07	2.70E-08	6.52E-07	1.44E-07	1.97E-07	3.12E-07	5.50E-08	3.73E-08	1.42E-06	7.37E-07	3.13E-07	3.68E-07	1.45E-07	7.37E-07	3.13E-07
216	487627.14	3857078.23	2.29E-03	2.35E-03	2.22E-03	7.94E-07	2.40E-06	1.39E-06	1.42E-06	1.29E-06	5.88E-07	5.55E-07	2.65E-08	6.40E-07	1.41E-07	1.93E-07	3.06E-07	5.40E-08	3.66E-08	1.40E-06	7.24E-07	3.07E-07	3.61E-07	1.42E-07	7.24E-07	3.07E-07
217	487677.14	3857078.23	2.26E-03	2.31E-03	2.18E-03	7.82E-07	2.36E-06	1.37E-06	1.40E-06	1.27E-06	5.79E-07	5.46E-07	2.61E-08	6.31E-07	1.39E-07	1.90E-07	3.01E-07	5.31E-08	3.60E-08	1.38E-06	7.13E-07	3.02E-07	3.56E-07	1.40E-07	7.13E-07	3.02E-07
218	487727.14	3857078.23	2.22E-03	2.28E-03	2.15E-03	7.70E-07	2.32E-06	1.35E-06	1.38E-06	1.25E-06	5.70E-07	5.38E-07	2.57E-08	6.21E-07	1.37E-07	1.87E-07	2.97E-07	5.23E-08	3.55E-08	1.36E-06	7.02E-07	2.98E-07	3.50E-07	1.38E-07	7.02E-07	2.98E-07
219	487777.14	3857078.23	2.19E-03	2.24E-03	2.11E-03	7.58E-07	2.29E-06	1.32E-06	1.36E-06	1.23E-06	5.61E-07	5.29E-07	2.53E-08	6.11E-07	1.35E-07	1.84E-07	2.92E-07	5.15E-08	3.49E-08	1.33E-06	6.91E-07	2.93E-07	3.45E-07	1.35E-07	6.91E-07	2.93E-07
220	487427.14	3857128.23	2.57E-03	2.63E-03	2.48E-03	8.89E-07	2.69E-06	1.55E-06	1.59E-06	1.44E-06	6.59E-07	6.21E-07	2.97E-08	7.17E-07	1.58E-07	2.16E-07	3.43E-07	6.04E-08	4.10E-08	1.57E-06	8.11E-07	3.44E-07	4.05E-07	1.59E-07	8.11E-07	3.44E-07
221	487477.14	3857128.23	2.51E-03	2.58E-03	2.43E-03	8.71E-07	2.63E-06	1.52E-06	1.56E-06	1.41E-06	6.45E-07	6.08E-07	2.91E-08	7.02E-07	1.55E-07	2.12E-07	3.36E-07	5.92E-08	4.01E-08	1.53E-06	7.94E-07	3.37E-07	3.96E-07	1.56E-07	7.94E-07	3.37E-07
222	487527.14	3857128.23	2.46E-03	2.52E-03	2.38E-03	8.53E-07	2.58E-06	1.49E-06	1.53E-06	1.38E-06	6.32E-07	5.96E-07	2.85E-08	6.88E-07	1.52E-07	2.07E-07	3.29E-07	5.80E-08	3.93E-08	1.50E-06	7.78E-07	3.30E-07	3.88E-07	1.53E-07	7.78E-07	3.30E-07
223	487577.14	3857128.23	2.42E-03	2.48E-03	2.34E-03	8.38E-07	2.53E-06	1.46E-06	1.50E-06	1.36E-06	6.20E-07	5.85E-07	2.80E-08	6.76E-07	1.49E-07	2.04E-07	3.23E-07	5.69E-08	3.86E-08	1.48E-06	7.64E-07	3.24E-07	3.81E-07	1.50E-07	7.64E-07	3.24E-07
224	487627.14	3857128.23	2.38E-03	2.44E-03	2.30E-03	8.23E-07	2.49E-06	1.44E-06	1.47E-06	1.34E-06	6.09E-07	5.75E-07	2.75E-08	6.64E-07	1.46E-07	2.00E-07	3.17E-07	5.59E-08	3.79E-08	1.45E-06	7.50E-07	3.18E-07	3.75E-07	1.47E-07	7.50E-07	3.18E-07

225	487677.14	3857128.23	2.33E-03	2.39E-03	2.26E-03	8.08E-07	2.44E-06	1.41E-06	1.45E-06	1.31E-06	5.99E-07	5.65E-07	2.70E-08	6.52E-07	1.44E-07	1.96E-07	3.12E-07	5.49E-08	3.72E-08	1.42E-06	7.37E-07	3.13E-07	3.68E-07	1.44E-07	7.37E-07	3.13E-07
226	487727.14	3857128.23	2.30E-03	2.36E-03	2.22E-03	7.96E-07	2.40E-06	1.39E-06	1.43E-06	1.29E-06	5.90E-07	5.56E-07	2.66E-08	6.42E-07	1.42E-07	1.94E-07	3.07E-07	5.41E-08	3.67E-08	1.40E-06	7.26E-07	3.08E-07	3.62E-07	1.42E-07	7.26E-07	3.08E-07
227	487777.14	3857128.23	2.26E-03	2.32E-03	2.19E-03	7.83E-07	2.36E-06	1.37E-06	1.40E-06	1.27E-06	5.80E-07	5.47E-07	2.62E-08	6.32E-07	1.39E-07	1.90E-07	3.02E-07	5.32E-08	3.61E-08	1.38E-06	7.14E-07	3.03E-07	3.56E-07	1.40E-07	7.14E-07	3.03E-07
228	488049.44	3856539.39	1.57E-03	1.61E-03	1.51E-03	5.43E-07	1.64E-06	9.48E-07	9.71E-07	8.81E-07	4.02E-07	3.79E-07	1.81E-08	4.38E-07	9.66E-08	1.32E-07	2.09E-07	3.69E-08	2.50E-08	9.55E-07	4.95E-07	2.10E-07	2.47E-07	9.70E-08	4.95E-07	2.10E-07
229	488099.44	3856539.39	1.55E-03	1.59E-03	1.50E-03	5.36E-07	1.62E-06	9.38E-07	9.60E-07	8.71E-07	3.97E-07	3.75E-07	1.79E-08	4.33E-07	9.55E-08	1.30E-07	2.07E-07	3.65E-08	2.47E-08	9.44E-07	4.89E-07	2.08E-07	2.44E-07	9.59E-08	4.89E-07	2.08E-07
230	488149.44	3856539.39	1.53E-03	1.57E-03	1.48E-03	5.31E-07	1.60E-06	9.29E-07	9.51E-07	8.62E-07	3.93E-07	3.71E-07	1.77E-08	4.29E-07	9.46E-08	1.29E-07	2.05E-07	3.61E-08	2.45E-08	9.36E-07	4.84E-07	2.06E-07	2.42E-07	9.50E-08	4.84E-07	2.06E-07
231	488049.44	3856589.39	1.60E-03	1.64E-03	1.55E-03	5.54E-07	1.67E-06	9.69E-07	9.92E-07	9.00E-07	4.10E-07	3.87E-07	1.85E-08	4.47E-07	9.87E-08	1.35E-07	2.14E-07	3.77E-08	2.55E-08	9.76E-07	5.05E-07	2.14E-07	2.52E-07	9.91E-08	5.05E-07	2.14E-07
232	488099.44	3856589.39	1.58E-03	1.62E-03	1.53E-03	5.48E-07	1.66E-06	9.58E-07	9.81E-07	8.90E-07	4.06E-07	3.83E-07	1.83E-08	4.42E-07	9.76E-08	1.33E-07	2.11E-07	3.73E-08	2.53E-08	9.65E-07	5.00E-07	2.12E-07	2.49E-07	9.80E-08	5.00E-07	2.12E-07
233	488149.44	3856589.39	1.57E-03	1.61E-03	1.51E-03	5.43E-07	1.64E-06	9.48E-07	9.71E-07	8.81E-07	4.02E-07	3.79E-07	1.81E-08	4.38E-07	9.66E-08	1.32E-07	2.09E-07	3.69E-08	2.50E-08	9.55E-07	4.95E-07	2.10E-07	2.47E-07	9.70E-08	4.95E-07	2.10E-07
234	488199.44	3856589.39	1.55E-03	1.59E-03	1.50E-03	5.36E-07	1.62E-06	9.38E-07	9.60E-07	8.71E-07	3.97E-07	3.75E-07	1.79E-08	4.33E-07	9.55E-08	1.30E-07	2.07E-07	3.65E-08	2.47E-08	9.44E-07	4.89E-07	2.08E-07	2.44E-07	9.59E-08	4.89E-07	2.08E-07
235	488249.44	3856589.39	1.54E-03	1.58E-03	1.49E-03	5.34E-07	1.61E-06	9.33E-07	9.56E-07	8.66E-07	3.95E-07	3.73E-07	1.78E-08	4.31E-07	9.50E-08	1.30E-07	2.06E-07	3.63E-08	2.46E-08	9.40E-07	4.87E-07	2.07E-07	2.43E-07	9.54E-08	4.87E-07	2.07E-07
236	488049.44	3856639.39	1.64E-03	1.67E-03	1.58E-03	5.66E-07	1.71E-06	9.89E-07	1.01E-06	9.19E-07	4.19E-07	3.95E-07	1.89E-08	4.57E-07	1.01E-07	1.38E-07	2.18E-07	3.85E-08	2.61E-08	9.97E-07	5.16E-07	2.19E-07	2.58E-07	1.01E-07	5.16E-07	2.19E-07
237	488099.44	3856639.39	1.62E-03	1.66E-03	1.56E-03	5.60E-07	1.69E-06	9.79E-07	1.00E-06	9.09E-07	4.15E-07	3.91E-07	1.87E-08	4.52E-07	9.97E-08	1.36E-07	2.16E-07	3.81E-08	2.58E-08	9.86E-07	5.11E-07	2.17E-07	2.55E-07	1.00E-07	5.11E-07	2.17E-07
238	488149.44	3856639.39	1.60E-03	1.64E-03	1.55E-03	5.54E-07	1.67E-06	9.68E-07	9.91E-07	8.99E-07	4.10E-07	3.87E-07	1.85E-08	4.47E-07	9.86E-08	1.35E-07	2.14E-07	3.76E-08	2.55E-08	9.75E-07	5.05E-07	2.14E-07	2.52E-07	9.90E-08	5.05E-07	2.14E-07
239	488199.44	3856639.39	1.59E-03	1.62E-03	1.53E-03	5.49E-07	1.66E-06	9.60E-07	9.83E-07	8.91E-07	4.07E-07	3.84E-07	1.83E-08	4.43E-07	9.78E-08	1.33E-07	2.12E-07	3.73E-08	2.53E-08	9.67E-07	5.01E-07	2.12E-07	2.50E-07	9.82E-08	5.01E-07	2.12E-07
240	488249.44	3856639.39	1.57E-03	1.61E-03	1.52E-03	5.44E-07	1.64E-06	9.51E-07	9.74E-07	8.83E-07	4.03E-07	3.80E-07	1.82E-08	4.39E-07	9.68E-08	1.32E-07	2.10E-07	3.70E-08	2.51E-08	9.58E-07	4.96E-07	2.10E-07	2.48E-07	9.73E-08	4.96E-07	2.10E-07
241	488299.44	3856639.39	1.56E-03	1.60E-03	1.51E-03	5.40E-07	1.63E-06	9.43E-07	9.66E-07	8.76E-07	4.00E-07	3.77E-07	1.80E-08	4.35E-07	9.60E-08	1.31E-07	2.08E-07	3.67E-08	2.49E-08	9.50E-07	4.92E-07	2.09E-07	2.46E-07	9.65E-08	4.92E-07	2.09E-07
242	488349.44	3856639.39	1.54E-03	1.58E-03	1.49E-03	5.34E-07	1.61E-06	9.33E-07	9.56E-07	8.66E-07	3.95E-07	3.73E-07	1.78E-08	4.31E-07	9.50E-08	1.30E-07	2.06E-07	3.63E-08	2.46E-08	9.40E-07	4.87E-07	2.07E-07	2.43E-07	9.54E-08	4.87E-07	2.07E-07
243	488399.44	3856639.39	1.53E-03	1.57E-03	1.48E-03	5.30E-07	1.60E-06	9.27E-07	9.49E-07	8.61E-07	3.93E-07	3.70E-07	1.77E-08	4.28E-07	9.44E-08	1.29E-07	2.04E-07	3.60E-08	2.44E-08	9.34E-07	4.84E-07	2.05E-07	2.41E-07	9.48E-08	4.84E-07	2.05E-07
244	488099.44	3856689.39	1.65E-03	1.69E-03	1.60E-03	5.73E-07	1.73E-06	1.00E-06	1.03E-06	9.29E-07	4.24E-07	4.00E-07	1.91E-08	4.62E-07	1.02E-07	1.39E-07	2.21E-07	3.89E-08	2.64E-08	1.01E-06	5.22E-07	2.22E-07	2.61E-07	1.02E-07	5.22E-07	2.22E-07
245	488149.44	3856689.39	1.64E-03	1.67E-03	1.58E-03	5.66E-07	1.71E-06	9.89E-07	1.01E-06	9.19E-07	4.19E-07	3.95E-07	1.89E-08	4.57E-07	1.01E-07	1.38E-07	2.18E-07	3.85E-08	2.61E-08	9.97E-07	5.16E-07	2.19E-07	2.58E-07	1.01E-07	5.16E-07	2.19E-07
246	488199.44	3856689.39	1.62E-03	1.66E-03	1.57E-03	5.61E-07	1.69E-06	9.81E-07	1.00E-06	9.10E-07	4.15E-07	3.92E-07	1.87E-08	4.52E-07	9.98E-08	1.36E-07	2.16E-07	3.81E-08	2.58E-08	9.88E-07	5.11E-07	2.17E-07	2.55E-07	1.00E-07	5.11E-07	2.17E-07
247	488249.44	3856689.39	1.60E-03	1.64E-03	1.55E-03	5.55E-07	1.68E-06	9.70E-07	9.93E-07	9.00E-07	4.11E-07	3.88E-07	1.85E-08	4.48E-07	9.88E-08	1.35E-07	2.14E-07	3.77E-08	2.56E-08	9.77E-07	5.06E-07	2.15E-07	2.52E-07	9.92E-08	5.06E-07	2.15E-07
248	488299.44	3856689.39	1.59E-03	1.63E-03	1.54E-03	5.51E-07	1.66E-06	9.64E-07	9.87E-07	8.95E-07	4.08E-07	3.85E-07	1.84E-08	4.45E-07	9.81E-08	1.34E-07	2.13E-07	3.75E-08	2.54E-08	9.71E-07	5.03E-07	2.13E-07	2.51E-07	9.86E-08	5.03E-07	2.13E-07
249	488349.44	3856689.39	1.58E-03	1.61E-03	1.52E-03	5.46E-07	1.65E-06	9.54E-07	9.77E-07	8.85E-07	4.04E-07	3.81E-07	1.82E-08	4.40E-07	9.71E-08	1.33E-07	2.10E-07	3.71E-08	2.51E-08	9.61E-07	4.97E-07	2.11E-07	2.48E-07	9.76E-08	4.97E-07	2.11E-07
250	488399.44	3856689.39	1.56E-03	1.59E-03	1.50E-03	5.38E-07	1.63E-06	9.41E-07	9.64E-07	8.74E-07	3.99E-07	3.76E-07	1.80E-08	4.34E-07	9.58E-08	1.31E-07	2.08E-07	3.66E-08	2.48E-08	9.48E-07	4.91E-07	2.08E-07	2.45E-07	9.63E-08	4.91E-07	2.08E-07
251	488099.44	3856739.39	1.69E-03	1.74E-03	1.64E-03	5.87E-07	1.77E-06	1.03E-06	1.05E-06	9.52E-07	4.34E-07	4.10E-07	1.96E-08	4.73E-07	1.04E-07	1.43E-07	2.26E-07	3.99E-08	2.70E-08	1.03E-06	5.35E-07	2.27E-07	2.67E-07	1.05E-07	5.35E-07	2.27E-07
252	488149.44	3856739.39	1.67E-03	1.71E-03	1.62E-03	5.79E-07	1.75E-06	1.01E-06	1.04E-06	9.39E-07	4.29E-07	4.04E-07	1.93E-08	4.67E-07	1.03E-07	1.41E-07	2.23E-07	3.93E-08	2.67E-08	1.02E-06	5.28E-07	2.24E-07	2.63E-07	1.03E-07	5.28E-07	2.24E-07
253	488199.44	3856739.39	1.66E-03	1.70E-03	1.60E-03	5.74E-07	1.73E-06	1.00E-06	1.03E-06	9.32E-07	4.25E-07	4.01E-07	1.92E-08	4.63E-07	1.02E-07	1.40E-07	2.21E-07	3.90E-08	2.65E-08	1.01E-06	5.24E-07	2.22E-07	2.61E-07	1.03E-07	5.24E-07	2.22E-07
254	488249.44	3856739.39	1.64E-03	1.68E-03	1.58E-03	5.68E-07	1.71E-06	9.92E-07	1.02E-06	9.21E-07	4.20E-07	3.96E-07	1.90E-08	4.58E-07	1.01E-07	1.38E-07	2.19E-07	3.86E-08	2.62E-08	9.99E-07	5.18E-07	2.20E-07	2.58E-07	1.01E-07	5.18E-07	2.20E-07
255	488299.44	3856739.39	1.62E-03	1.66E-03	1.56E-03	5.60E-07	1.69E-06	9.79E-07	1.00E-06	9.09E-07	4.15E-07	3.91E-07	1.87E-08	4.52E-07	9.97E-08	1.36E-07	2.16E-07	3.81E-08	2.58E-08	9.86E-07	5.11E-07	2.17E-07	2.55E-07	1.00E-07	5.11E-07	2.17E-07
256	488349.44	3856739.39	1.61E-03	1.65E-03	1.55E-03	5.57E-07	1.68E-06	9.73E-07	9.97E-07	9.04E-07	4.12E-07	3.89E-07	1.86E-08	4.49E-07	9.91E-08	1.35E-07	2.15E-07	3.78E-08	2.57E-08	9.80E-07	5.08E-07	2.15E-07	2.53E-07	9.96E-08	5.08E-07	2.15E-07
257	488399.44	3856739.39	1.60E-03	1.64E-03	1.55E-03	5.54E-07	1.67E-06	9.68E-07	9.91E-07	8.99E-07	4.10E-07	3.87E-07	1.85E-08	4.47E-07	9.86E-08	1.35E-07	2.14E-07	3.76E-08	2.55E-08	9.75E-07	5.05E-07	2.14E-07	2.52E-07	9.90E-08	5.05E-07	2.14E-07
258	487999.44	3856789.39	1.77E-03	1.81E-03	1.71E-03	6.11E-07	1.84E-06	1.07E-06	1.09E-06	9.92E-07	4.52E-07	4.27E-07	2.04E-08	4.93E-07	1.09E-07	1.49E-07	2.36E-07	4.15E-08	2.82E-08	1.08E-06	5.57E-07	2.36E-07	2.78E-07	1.09E-07	5.57E-07	2.36E-07
259	488049.44	3856789.39	1.75E-03	1.79E-03	1.69E-03	6.04E-07	1.82E-06	1.06E-06	1.08E-06	9.81E-07	4.48E-07	4.22E-07	2.02E-08	4.88E-07	1.08E-07	1.47E-07	2.33E-07	4.11E-08	2.78E-08	1.06E-06	5.51E-07	2.34E-07	2.75E-07	1.08E-07	5.51E-07	2.34E-07
260	488099.44	3856789.39	1.73E-03	1.77E-03	1.67E-03	6.00E-07	1.81E-06	1.05E-06	1.07E-06	9.73E-07	4.44E-07	4.19E-07	2.00E-08	4.84E-07	1.07E-07	1.46E-07	2.31E-07	4.08E-08	2.76E-08	1.06E-06	5.47E-07	2.32E-07	2.73E-07	1.07E-07	5.47E-07	2.32E-07
261	488149.44	3856789.39	1.71E-03	1.75E-03	1.65E-03	5.93E-07	1.79E-06	1.04E-06	1.06E-06	9.62E-07	4.39E-07	4.14E-07	1.98E-08	4.78E-07	1.05E-07	1.44E-07	2.29E-07	4.03E-08	2.73E-08	1.04E-06	5.40E-07	2.29E-07	2.70E-07	1.06E-07	5.40E-07	2.29E-07
262	488199.44	3856789.39	1.70E-03	1.74E-03	1.64E-03	5.87E-07	1.77E-06	1.03E-06	1.05E-06	9.53E-07	4.35E-07	4.10E-07	1.96E-08	4.73E-07	1.04E-07	1.43E-07	2.26E-07	3.99E-08	2.70E-08	1.03E-06	5.35E-07	2.27E-07	2.67E-07	1.05E-07	5.35E-07	2.27E-07
263	488249.44	3856789.39	1.68E-03	1.72E-03	1.62E-03	5.80E-07	1.75E-06	1.01E-06	1.04E-06	9.42E-07	4.30E-07	4.05E-07	1.94E-08	4.68E-07	1.03E-07	1.41E-07	2.24E-07	3.94E-08	2.67E-08	1.02E-06	5.29E-07	2.25E-07	2.64E-07	1.04E-07	5.29E-07	2.25E-07
264	488299.44	3856789.39	1.66E-03	1.70E-03	1.60E-03	5.73E-07	1.73E-06	1.00E-06	1.03E-06	9.30E-07	4.24E-07	4.00E-07	1.91E-08	4.62E-07	1.02E-07	1.39E-07	2.21E-07	3.90E-08	2.64E-08	1.01E-06	5.23E-07	2.22E-07	2.61E-07	1.02E-07	5.23E-07	2.22E-07
265	488349.44	3856789.39	1.65E-03	1.69E-03	1.59E-03	5.70E-07	1.72E-06	9.97E-07	1.02E-06	9.25E-07	4.22E-07	3.98E-07	1.90E-08	4.60E-07	1.01E-07	1.39E-07	2.20E-07	3.87E-08	2.63E-08	1.00E-06	5.20E-07	2.21E-07	2.59E-07	1.02E-07	5.20E-07	2.21E-07
266	488399.44	3856789.39	1.63E-03	1.67E-03	1.58E-03	5.66E-07	1.71E-06	9.89E-07	1.01E-06	9.18E-07	4.19E-07	3.95E-07	1.89E-08	4.56E-07	1.01E-07	1.37E-07	2.18E-07	3.84E-08	2.61E-08	9.96E-07	5.16E-07	2.19E-07	2.57E-07	1.01E-07	5.16E-07	2.19E-07
267	487949.44	3856839.39	1.83E-03	1.87E-03	1.77E-03	6.33E-07	1.91E-06	1.11E-06	1.13E-06	1.03E-06	4.69E-07	4.42E-07	2.11E-08	5.11E-07	1.13E-07	1.54E-07	2.44E-07	4.30E-08	2.92E-08	1.11E-06	5.77E-07	2.45E-07	2.88E-07	1.13E-07	5.77E-07	2.45E-07
268	487999.44	3856839.39	1.81E-03	1.85E-03	1.75E-03	6.26E-07	1.89E-06	1.09E-06	1.12E-06	1.02E-06	4.63E-07	4.37E-07	2.09E-08	5.05E-07	1.11E-07	1.52E-07	2.41E-07	4.25E-08	2.88E-08	1.10E-06	5.71E-07	2.42E-07	2.85E-07	1.12E-07	5.71E-07	2.42E-07
269	488049.44	3856839.39	1.79E-03	1.83E-03	1.73E-03	6.19E-07	1.87E-06	1.08E-06	1.11E-06	1.00E-06	4.58E-07	4.32E-07	2.07E-08	4.99E-07	1.10E-07	1.50E-07	2.39E-07	4.20E-08	2.85E-08	1.09E-06	5.64E-07	2.39E-07	2.82E-07	1.11E-07	5.64E-07	2.39E-07
270	488099.44	3856839.39	1.77E-03	1.81E-03	1.71E-03	6.13E-07	1.85E-06	1.07E-06	1.10E-06	9.94E-07	4.54E-07	4.28E-07	2.05E-08	4.94E-07	1.09E-07	1.49E-07	2.36E-07	4.16E-08	2.82E-08	1.08E-06	5.59E-07	2.37E-07	2.79E-07	1.10E-07	5.59E-07	2.37E-07
271	488149.44	3856839.39	1.75E-03	1.79E-03	1.69E-03	6.06E-07	1.83E-06	1.06E-06	1.09E-06	9.84E-07	4.49E-07	4.24E-07	2.03E-08	4.89E-07	1.08E-07	1.47E-07	2.34E-07	4.12E-08	2.79E-08	1.07E-06	5.53E-07	2.35E-07	2.76E-07	1.08E-07	5.53E-07	2.35E-07
272	488199.44	3856839.39	1.74E-03	1.78E-03	1.68E-03	6.01E-07	1.81E-06	1.05E-06	1.08E-06	9.75E-07	4.45E-07	4.20E-07	2.01E-08	4.85E-07	1.07E-07	1.46E-07	2.32E-07	4.08E-08	2.77E-08	1.06E-06	5.48E-07	2.32E-07	2.73E-07	1.07E-07	5.48E-07	2.32E-07
273	487949.44	3856889.39	1.87E-03	1.92E-03	1.81E-03	6.48E-07	1.96E-06	1.13E-06	1.16E-06	1.05E-06	4.80E-07	4.52E-07	2.16E-08	5.23E-07	1.15E-07	1.57E-07	2.50E-07	4.40E-08	2.98E-08	1.14E-06	5.91E-07	2.51E-07	2.95E-07	1.16E-07	5.91E-07	2.51E-07
274	487999.44	3856889.39	1.86E-03	1.90E-03	1.79E-03	6.42E-07	1.94E-06	1.12E-06	1.15E-06	1.04E-06	4.76E-07	4.49E-07	2.14E-08	5.18E-07	1.14E-07	1.56E-07	2.48E-07	4.36E-08	2.96E-08	1.13E-06	5.86E-07	2.48E-07	2.92E-07	1.15E-07	5.86E-07	2.48E-07
275	488049.44	3856889.39	1.83E-03	1.87E-03	1.77E-03	6.33E-07	1.91E-06	1.11E-06	1.13E-06	1.03E-06	4.69E-07	4.42E-07	2.11E-08	5.11E-07	1.13E-07	1.54E-07	2.44E-07	4.30E-08	2.92E-08	1.11E-06	5.77E-07	2.45E-07	2.88E-07	1.13E-07	5.77E-07	2.45E-07
276	488099.44	3856889.39	1.81E-03	1.86E-03	1.75E-03	6.27E-07	1.89E-06	1.10E-06	1.12E-06	1.02E-06	4.65E-07	4.38E-07	2.09E-08	5.06E-07	1.12E-07	1.52E-07	2.42E-07	4.26E-08	2.89E-08	1.10E-06	5.72E-07	2.43E-07	2.86E-07	1.12E-07	5.72E-07	2.43E-07
277	488635.86	3857895.05	3.14E-03	3.21E-03	3.03E-03	1.09E-06	3.28E-06	1.90E-06	1.94E-06	1.76E-06	8.04E-07	7.58E-07	3.63E-08	8.76E-07	1.93E-07	2.64E-07	4.19E-07	7.38E-08	5.00E-08	1.91E-06	9.90E-07	4.20E-07	4.94E-07	1.94E-07	9.90E-07	4.20E-07
278	489137.64	3857804.15	2.36E-03	2.42E-03	2.28E-03	8.16E-07	2.47E-06	1.43E-06	1.46E-06	1.32E-06	6.05E-07	5.70E-07	2.73E-08	6.59E-07	1.45E-07	1.98E-07	3.15E-07	5.55E-08	3.76E-08	1.44E-06	7.44E-07	3.16E-07	3.72E-07	1.46E-07	7.44E-07	3.16E-07
279	488617.32	3857859.41	3.06E-03	3.13E-03	2.95E-03	1.06E-06	3.19E-06	1.85E-06	1.89E-06	1.72E-06	7.83E-07	7.39E-07	3.53E-08	8.53E-07	1.88E-07	2.57E-07	4.08E-07	7.19E-08	4.87E-08	1.86E-06	9.64E-07	4.09E-07	4.81E-07	1.89E-07	9.64E-07	4.09E-07
280	488667.32	3857859.41	2.98E-03	3.05E-03	2.88E-03	1.03E-06	3.12E-06	1.80E-06	1.85E-06	1.67E-06	7.64E-07	7.21E-07	3.45E-08	8.32E-07	1.84E-07	2.51E-07	3.98E-07	7.01E-08	4.75E-08	1.82E-06	9.41E-07	3.99E-07	4.70E-07	1.85E-07	9.41E-07	3.99E-07
281	488717.32	3857859.41	2.91E-03	2.98E-03	2.81E-03	1.01E-06	3.04E-06	1.76E-06	1.80E-06	1.64E-06	7.46E-07	7.04E-07	3.37E-08	8.13E-07	1.79E-07	2.45E-07	3.89E-07	6.85E-08	4.64E-08	1.77E-06	9.19E-07	3.90E-07	4.59E-07	1.80E-07	9.19E-07	3.90E-07
282	488767.32	3857859.41	2.85E-03	2.92E-03	2.76E-03	9.88E-07	2.98E-06	1.73E-06	1.77E-06	1.60E-06	7.31E-07	6.90E-07	3.30E-08	7.97E-07	1.76E-07	2.40E-07	3.81E-07	6.71E-08	4.55E-08	1.74E-06	9.00E-07	3.82E-07	4.49E-07	1.77E-07	9.00E-07	3.82E-07
283	488617.32	3857909.41	3.21E-03	3.29E-03	3.10E-03	1.11E-06	3.36E-06	1.94E-06	1.99E-06	1.80E-06	8.23E-07	7.76E-07	3.71E-08	8.96E-07	1.98E-07	2.70E-07	4.28E-07	7.55E-08	5.12E-08	1.96E-06	1.01E-06	4.30E-07	5.06E-07	1.99E-07	1.01E-06	4.30E-07
284	488667.32	3857909.41	3.14E-03	3.22E-03	3.03E-03	1.09E-06	3.28E-06	1.90E-06	1.95E-06	1.76E-06	8.05E-07	7.59E-07	3.63E-08	8.77E-07	1.94E-07	2.64E-07	4.19E-07	7.39E-08	5.01E-08	1.91E-06	9.91E-07	4.21E-07	4.95E-07	1.94E-07	9.91E-07	4.21E-07
285	488717.32	3857909.41	3.06E-03	3.13E-03	2.95E-03	1.06E-06	3.19E-06	1.85E-06	1.89E-06	1.72E-06	7.83E-07	7.39E-07	3.53E-08	8.53E-07	1.88E-07	2.57E-07	4.08E-07	7.19E-08	4.87E-08	1.86E-06	9.64E-07	4.09E-07	4.81E-07	1.89E-07	9.64E-07	4.09E-07
286	488767.32	3857909.41	2.99E-03	3.06E-03	2.89E-03	1.03E-06	3.12E-06	1.81E-06	1.85E-06	1.68E-06	7.66E-07	7.23E-07	3.45E-08	8.34E-07	1.84E-07	2.51E-07	3.99E-07	7.03E-08	4.77E-08	1.82E-06	9.43E-07	4.00E-07	4.71E-07	1.85E-07	9.43E-07	4.00E-07
287	488417.32	3857959.41	3.78E-03	3.88E-03	3.66E-03	1.31E-06	3.96E-06	2.29E-06	2.35E-06	2.13E-06	9.70E-07	9.15E-07	4.37E-08	1.06E-06	2.33E-07	3.18E-07	5.05E-07	8.90E-08	6.04E-08	2.31E-06	1.19E-06	5.07E-07	5.96E-07	2.34E-07	1.19E-06	5.07E-07
288	488467.32	3857959.41	3.68E-03	3.77E-03	3.55E-03	1.27E-06	3.84E-06	2.22E-06	2.28E-06	2.07E-06	9.42E-07	8.89E-07	4.25E-08	1.03E-06	2.27E-07	3.09E-07	4.91E-07	8.65E-08	5.86E-08	2.24E-06	1.16E-06	4.92E-07	5.79E-07	2.28E-07	1.16E-06	4.92E-07
289	488517.32	3857959.41	3.58E-03	3.66E-03	3.46E-03	1.24E-06	3.74E-06	2.16E-06	2.22E-06	2.01E-06	9.17E-07	8.65E-07	4.14E-08	9.99E-07	2.20E-07	3.01E-07	4.78E-07	8.42E-08	5.71E-08	2.18E-06	1.13E-06	4.79E-07	5.64E-07	2.21E-07	1.13E-06	4.79E-07
290	488567.32	3857959.41	3.48E-03	3.57E-03	3.37E-03	1.21E-06	3.64E-06	2.11E-06	2.16E-06	1.96E-06	8.93E-07	8.43E-07	4.03E-08	9.73E-07	2.15E-07	2.93E-07	4.65E-07	8.20E-08	5.56E-08	2.12E-06	1.10E-06	4.67E-07	5.49E-07	2.16E-07	1.10E-06	4.67E-07
291	488617.32	3857959.41	3.39E-03	3.47E-03	3.28E-03	1.17E-06	3.54E-06	2.05E-06	2.10E-06	1.90E-06	8.69E-07	8.20E-07	3.92E-08	9.47E-07	2.09E-07	2.85E-07	4.53E-07	7.97E-08	5.41E-08	2.07E-06	1.07E-06	4.54E-07	5.34E-07	2.10E-07	1.07E-06	4.54E-07
292	488667.32	3857959.41	3.30E-03	3.38E-03	3.19E-03	1.14E-06	3.45E-06	2.00E-06	2.05E-06	1.85E-06	8.46E-07	7.98E-07	3.82E-08	9.22E-07	2.03E-07	2.78E-07	4.41E-07	7.77E-08	5.27E-08	2.01E-06	1.04E-06	4.42E-07	5.20E-07	2.04E-07	1.04E-06	4.42E-07
293	488717.32	3857959.41	3.22E-03	3.30E-03	3.11E-03	1.11E-06	3.37E-06	1.95E-06	2.00E-06	1.81E-06	8.25E-07	7.79E-07	3.72E-08	8.99E-07	1.98E-07	2.71E-07	4.30E-07	7.58E-08	5.14E-08	1.96E-06	1.02E-06	4.31E-07	5.07E-07	1.99E-07	1.02E-06	4.31E-07
294	488767.32	3857959.41	3.14E-03	3.22E-03	3.03E-03	1.09E-06	3.28E-06	1.90E-06	1.95E-06	1.76E-06	8.05E-07	7.59E-07	3.63E-08	8.77E-07	1.94E-07	2.64E-07	4.19E-07	7.39E-08	5.01E-08	1.91E-06	9.91E-07	4.21E-07	4.95E-07	1.94E-07	9.91E-07	4.21E-07
295	488417.32	3858009.41	4.04E-03	4.14E-03	3.90E-03	1.40E-06	4.22E-06	2.44E-06	2.50E-06	2.27E-06	1.04E-06	9.76E-07	4.67E-08	1.13E-06	2.49E-07	3.40E-07	5.39E-07	9.50E-08	6.44E-08	2.46E-06	1.27E-06	5.41E-07	6.36E-07	2.50E-07	1.27E-06	5.41E-07
296	488467.32	3858009.41	3.92E-03	4.01E-03	3.79E-03	1.36E-06	4.10E-06	2.37E-06	2.43E-06	2.20E-06	1.00E-06	9.47E-07	4.53E-08	1.09E-06	2.41E-07	3.30E-07	5.23E-07	9.22E-08	6.25E-08	2.39E-06	1.24E-06	5.25E-07	6.17E-07	2.43E-07	1.24E-06	5.25E-07
297	488517.32	3858009.41	3.80E-03	3.90E-03	3.68E-03	1.32E-06	3.98E-06	2.30E-06	2.36E-06	2.14E-06	9.75E-07	9.20E-07	4.40E-08	1.06E-06	2.34E-07	3.20E-07	5.08E-07	8.95E-08	6.07E-08	2.32E-06	1.20E-06	5.10E-07	5.99E-07	2.35E-07	1.20E-06	5.10E-07
298	488567.32	3858009.41	3.70E-03	3.79E-03	3.57E-03	1.28E-06	3.87E-06	2.24E-06	2.29E-06	2.08E-06	9.48E-07	8.95E-07	4.28E-08	1.03E-06	2.28E-07	3.11E-07	4.94E-07	8.70E-08	5.90E-08	2.26E-06	1.17E-06	4.95E-07	5.83E-07	2.29E-07	1.17E-06	4.95E-07
299	488617.32	3858009.41	3.59E-03	3.68E-03	3.47E-03	1.24E-06	3.75E-06	2.17E-06	2.23E-06	2.02E-06	9.20E-07	8.68E-07	4.15E-08	1.00E-06	2.21E-07	3.02E-07	4.79E-07	8.45E-08	5.73E-08	2.19E-06	1.13E-06	4.81E-07	5.66E-07	2.22E-07	1.13E-06	4.81E-07
300	488667.32	3858009.41	3.49E-03	3.57E-03	3.37E-03	1.21E-06	3.65E-06	2.11E-06	2.16E-06	1.96E-06	8.94E-07	8.43E-07	4.03E-08	9.74E-07	2.15E-07	2.93E-07	4.66E-07	8.20E-08	5.56E-08	2.13E-06	1.10E-06	4.67E-07	5.49E-07	2.16E-07	1.10E-06	4.67E-07
301	488717.32	3858009.41	3.40E-03	3.48E-03	3.28E-03	1.18E-06	3.55E-06	2.05E-06	2.10E-06	1.91E-06	8.71E-07	8.21E-07	3.93E-08	9.48E-07	2.09E-07	2.86E-07	4.53E-07	7.99E-08	5.42E-08	2.07E-06	1.07E-06	4.55E-07	5.35E-07	2.10E-07	1.07E-06	4.55E-07

302	488767.32	3858009.41	3.31E-03	3.39E-03	3.20E-03	1.15E-06	3.46E-06	2.00E-06	2.05E-06	1.86E-06	8.48E-07	8.00E-07	3.82E-08	9.24E-07	2.04E-07	2.78E-07	4.42E-07	7.78E-08	5.28E-08	2.02E-06	1.04E-06	4.43E-07	5.21E-07	2.05E-07	1.04E-06	4.43E-07
303	488417.32	3858059.41	4.34E-03	4.44E-03	4.19E-03	1.50E-06	4.54E-06	2.63E-06	2.69E-06	2.44E-06	1.11E-06	1.05E-06	5.02E-08	1.21E-06	2.67E-07	3.65E-07	5.79E-07	1.02E-07	6.92E-08	2.64E-06	1.37E-06	5.81E-07	6.84E-07	2.69E-07	1.37E-06	5.81E-07
304	488467.32	3858059.41	4.20E-03	4.30E-03	4.06E-03	1.45E-06	4.39E-06	2.54E-06	2.60E-06	2.36E-06	1.08E-06	1.02E-06	4.85E-08	1.17E-06	2.59E-07	3.53E-07	5.60E-07	9.88E-08	6.70E-08	2.56E-06	1.33E-06	5.62E-07	6.61E-07	2.60E-07	1.33E-06	5.62E-07
305	488517.32	3858059.41	4.07E-03	4.16E-03	3.93E-03	1.41E-06	4.25E-06	2.46E-06	2.52E-06	2.28E-06	1.04E-06	9.83E-07	4.70E-08	1.14E-06	2.51E-07	3.42E-07	5.43E-07	9.57E-08	6.48E-08	2.48E-06	1.28E-06	5.44E-07	6.41E-07	2.52E-07	1.28E-06	5.44E-07
306	488567.32	3858059.41	3.94E-03	4.04E-03	3.81E-03	1.37E-06	4.12E-06	2.39E-06	2.44E-06	2.22E-06	1.01E-06	9.54E-07	4.56E-08	1.10E-06	2.43E-07	3.32E-07	5.26E-07	9.28E-08	6.29E-08	2.40E-06	1.24E-06	5.28E-07	6.21E-07	2.44E-07	1.24E-06	5.28E-07
307	488617.32	3858059.41	3.83E-03	3.92E-03	3.70E-03	1.32E-06	4.00E-06	2.32E-06	2.37E-06	2.15E-06	9.81E-07	9.25E-07	4.42E-08	1.07E-06	2.36E-07	3.22E-07	5.11E-07	9.00E-08	6.10E-08	2.33E-06	1.21E-06	5.12E-07	6.03E-07	2.37E-07	1.21E-06	5.12E-07
308	488667.32	3858059.41	3.71E-03	3.80E-03	3.58E-03	1.28E-06	3.88E-06	2.24E-06	2.30E-06	2.08E-06	9.51E-07	8.97E-07	4.29E-08	1.04E-06	2.29E-07	3.12E-07	4.95E-07	8.72E-08	5.92E-08	2.26E-06	1.17E-06	4.97E-07	5.84E-07	2.30E-07	1.17E-06	4.97E-07
309	488417.32	3858109.41	4.66E-03	4.78E-03	4.51E-03	1.61E-06	4.87E-06	2.82E-06	2.89E-06	2.62E-06	1.20E-06	1.13E-06	5.39E-08	1.30E-06	2.87E-07	3.92E-07	6.23E-07	1.10E-07	7.44E-08	2.84E-06	1.47E-06	6.25E-07	7.35E-07	2.89E-07	1.47E-06	6.25E-07
310	488467.32	3858109.41	4.51E-03	4.62E-03	4.36E-03	1.56E-06	4.71E-06	2.73E-06	2.79E-06	2.53E-06	1.16E-06	1.09E-06	5.21E-08	1.26E-06	2.78E-07	3.79E-07	6.02E-07	1.06E-07	7.19E-08	2.75E-06	1.42E-06	6.04E-07	7.10E-07	2.79E-07	1.42E-06	6.04E-07
311	488517.32	3858109.41	4.36E-03	4.47E-03	4.22E-03	1.51E-06	4.56E-06	2.64E-06	2.70E-06	2.45E-06	1.12E-06	1.06E-06	5.04E-08	1.22E-06	2.69E-07	3.67E-07	5.83E-07	1.03E-07	6.96E-08	2.66E-06	1.38E-06	5.84E-07	6.88E-07	2.70E-07	1.38E-06	5.84E-07
312	488567.32	3858109.41	4.22E-03	4.32E-03	4.08E-03	1.46E-06	4.41E-06	2.55E-06	2.62E-06	2.37E-06	1.08E-06	1.02E-06	4.88E-08	1.18E-06	2.60E-07	3.55E-07	5.63E-07	9.93E-08	6.73E-08	2.57E-06	1.33E-06	5.65E-07	6.65E-07	2.61E-07	1.33E-06	5.65E-07
313	488617.32	3858109.41	4.09E-03	4.19E-03	3.95E-03	1.42E-06	4.27E-06	2.47E-06	2.53E-06	2.30E-06	1.05E-06	9.89E-07	4.73E-08	1.14E-06	2.52E-07	3.44E-07	5.46E-07	9.62E-08	6.52E-08	2.49E-06	1.29E-06	5.48E-07	6.44E-07	2.53E-07	1.29E-06	5.48E-07
314	488667.32	3858109.41	3.95E-03	4.05E-03	3.82E-03	1.37E-06	4.13E-06	2.39E-06	2.45E-06	2.22E-06	1.01E-06	9.55E-07	4.57E-08	1.10E-06	2.43E-07	3.32E-07	5.27E-07	9.29E-08	6.30E-08	2.41E-06	1.25E-06	5.29E-07	6.22E-07	2.45E-07	1.25E-06	5.29E-07
315	488769.93	3858449.27	6.28E-03	6.44E-03	6.07E-03	2.18E-06	6.57E-06	3.80E-06	3.89E-06	3.53E-06	1.61E-06	1.52E-06	7.26E-08	1.75E-06	3.87E-07	5.29E-07	8.39E-07	1.48E-07	1.00E-07	3.83E-06	1.98E-06	8.42E-07	9.90E-07	3.89E-07	1.98E-06	8.42E-07
316	488819.93	3858449.27	5.94E-03	6.09E-03	5.74E-03	2.06E-06	6.21E-06	3.60E-06	3.68E-06	3.34E-06	1.52E-06	1.44E-06	6.87E-08	1.66E-06	3.66E-07	5.00E-07	7.93E-07	1.40E-07	9.48E-08	3.62E-06	1.88E-06	7.96E-07	9.36E-07	3.68E-07	1.88E-06	7.96E-07
317	488819.93	3858499.27	6.61E-03	6.77E-03	6.38E-03	2.29E-06	6.91E-06	4.00E-06	4.09E-06	3.71E-06	1.69E-06	1.60E-06	7.64E-08	1.84E-06	4.07E-07	5.56E-07	8.82E-07	1.55E-07	1.05E-07	4.03E-06	2.09E-06	8.85E-07	1.04E-06	4.09E-07	2.09E-06	8.85E-07
318	488869.93	3858499.27	6.23E-03	6.38E-03	6.02E-03	2.16E-06	6.51E-06	3.77E-06	3.86E-06	3.50E-06	1.60E-06	1.51E-06	7.20E-08	1.74E-06	3.84E-07	5.24E-07	8.31E-07	1.46E-07	9.93E-08	3.80E-06	1.97E-06	8.34E-07	9.81E-07	3.85E-07	1.97E-06	8.34E-07
319	488869.93	3858549.27	6.96E-03	7.13E-03	6.72E-03	2.41E-06	7.27E-06	4.21E-06	4.31E-06	3.91E-06	1.78E-06	1.68E-06	8.05E-08	1.94E-06	4.29E-07	5.86E-07	9.29E-07	1.64E-07	1.11E-07	4.24E-06	2.20E-06	9.32E-07	1.10E-06	4.31E-07	2.20E-06	9.32E-07
320	489438.17	3859571.48	3.44E-03	3.52E-03	3.32E-03	1.19E-06	3.59E-06	2.08E-06	2.13E-06	1.93E-06	8.81E-07	8.31E-07	3.98E-08	9.60E-07	2.12E-07	2.89E-07	4.59E-07	8.09E-08	5.48E-08	2.10E-06	1.09E-06	4.60E-07	5.42E-07	2.13E-07	1.09E-06	4.60E-07
321	489488.17	3859571.48	3.76E-03	3.85E-03	3.63E-03	1.30E-06	3.93E-06	2.28E-06	2.33E-06	2.11E-06	9.64E-07	9.10E-07	4.35E-08	1.05E-06	2.32E-07	3.17E-07	5.02E-07	8.85E-08	6.00E-08	2.29E-06	1.19E-06	5.04E-07	5.93E-07	2.33E-07	1.19E-06	5.04E-07
322	489538.17	3859571.48	4.16E-03	4.26E-03	4.02E-03	1.44E-06	4.35E-06	2.52E-06	2.58E-06	2.34E-06	1.07E-06	1.01E-06	4.81E-08	1.16E-06	2.56E-07	3.50E-07	5.55E-07	9.78E-08	6.63E-08	2.53E-06	1.31E-06	5.57E-07	6.55E-07	2.57E-07	1.31E-06	5.57E-07
323	489588.17	3859571.48	4.64E-03	4.76E-03	4.49E-03	1.61E-06	4.85E-06	2.81E-06	2.88E-06	2.61E-06	1.19E-06	1.12E-06	5.37E-08	1.30E-06	2.86E-07	3.91E-07	6.20E-07	1.09E-07	7.41E-08	2.83E-06	1.47E-06	6.22E-07	7.31E-07	2.87E-07	1.47E-06	6.22E-07
324	489438.17	3859621.48	2.97E-03	3.04E-03	2.87E-03	1.03E-06	3.10E-06	1.80E-06	1.84E-06	1.67E-06	7.61E-07	7.18E-07	3.43E-08	8.29E-07	1.83E-07	2.50E-07	3.96E-07	6.99E-08	4.74E-08	1.81E-06	9.37E-07	3.98E-07	4.68E-07	1.84E-07	9.37E-07	3.98E-07
325	489488.17	3859621.48	3.20E-03	3.28E-03	3.09E-03	1.11E-06	3.35E-06	1.94E-06	1.98E-06	1.80E-06	8.21E-07	7.74E-07	3.70E-08	8.94E-07	1.97E-07	2.69E-07	4.27E-07	7.53E-08	5.11E-08	1.95E-06	1.01E-06	4.29E-07	5.04E-07	1.98E-07	1.01E-06	4.29E-07
326	489538.17	3859621.48	3.48E-03	3.56E-03	3.36E-03	1.20E-06	3.63E-06	2.10E-06	2.15E-06	1.95E-06	8.91E-07	8.41E-07	4.02E-08	9.71E-07	2.14E-07	2.93E-07	4.64E-07	8.18E-08	5.55E-08	2.12E-06	1.10E-06	4.66E-07	5.48E-07	2.15E-07	1.10E-06	4.66E-07
327	489588.17	3859621.48	3.82E-03	3.91E-03	3.69E-03	1.32E-06	3.99E-06	2.31E-06	2.36E-06	2.14E-06	9.78E-07	9.22E-07	4.41E-08	1.07E-06	2.35E-07	3.21E-07	5.09E-07	8.97E-08	6.08E-08	2.33E-06	1.20E-06	5.11E-07	6.01E-07	2.36E-07	1.20E-06	5.11E-07
328	489238.17	3859671.48	2.10E-03	2.16E-03	2.03E-03	7.29E-07	2.20E-06	1.27E-06	1.30E-06	1.18E-06	5.39E-07	5.09E-07	2.43E-08	5.88E-07	1.30E-07	1.77E-07	2.81E-07	4.95E-08	3.36E-08	1.28E-06	6.64E-07	2.82E-07	3.32E-07	1.30E-07	6.64E-07	2.82E-07
329	489288.17	3859671.48	2.21E-03	2.26E-03	2.13E-03	7.65E-07	2.31E-06	1.34E-06	1.37E-06	1.24E-06	5.66E-07	5.34E-07	2.55E-08	6.17E-07	1.36E-07	1.86E-07	2.95E-07	5.20E-08	3.52E-08	1.35E-06	6.97E-07	2.96E-07	3.48E-07	1.37E-07	6.97E-07	2.96E-07
330	489338.17	3859671.48	2.33E-03	2.39E-03	2.25E-03	8.07E-07	2.44E-06	1.41E-06	1.44E-06	1.31E-06	5.97E-07	5.63E-07	2.69E-08	6.51E-07	1.44E-07	1.96E-07	3.11E-07	5.48E-08	3.72E-08	1.42E-06	7.36E-07	3.12E-07	3.67E-07	1.44E-07	7.36E-07	3.12E-07
331	489388.17	3859671.48	2.47E-03	2.53E-03	2.39E-03	8.55E-07	2.58E-06	1.49E-06	1.53E-06	1.39E-06	6.33E-07	5.97E-07	2.86E-08	6.90E-07	1.52E-07	2.08E-07	3.30E-07	5.81E-08	3.94E-08	1.51E-06	7.80E-07	3.31E-07	3.89E-07	1.53E-07	7.80E-07	3.31E-07
332	489438.17	3859671.48	2.62E-03	2.68E-03	2.53E-03	9.07E-07	2.74E-06	1.59E-06	1.62E-06	1.47E-06	6.72E-07	6.34E-07	3.03E-08	7.32E-07	1.61E-07	2.21E-07	3.50E-07	6.17E-08	4.18E-08	1.60E-06	8.27E-07	3.51E-07	4.13E-07	1.62E-07	8.27E-07	3.51E-07
333	489488.17	3859671.48	2.80E-03	2.87E-03	2.71E-03	9.70E-07	2.93E-06	1.70E-06	1.74E-06	1.57E-06	7.18E-07	6.78E-07	3.24E-08	7.83E-07	1.73E-07	2.36E-07	3.74E-07	6.59E-08	4.47E-08	1.71E-06	8.85E-07	3.75E-07	4.42E-07	1.73E-07	8.85E-07	3.75E-07
334	489538.17	3859671.48	3.01E-03	3.08E-03	2.91E-03	1.04E-06	3.14E-06	1.82E-06	1.86E-06	1.69E-06	7.71E-07	7.27E-07	3.48E-08	8.40E-07	1.85E-07	2.53E-07	4.01E-07	7.08E-08	4.80E-08	1.83E-06	9.49E-07	4.03E-07	4.74E-07	1.86E-07	9.49E-07	4.03E-07
335	489588.17	3859671.48	3.25E-03	3.33E-03	3.14E-03	1.12E-06	3.40E-06	1.97E-06	2.01E-06	1.82E-06	8.33E-07	7.85E-07	3.75E-08	9.07E-07	2.00E-07	2.73E-07	4.34E-07	7.64E-08	5.18E-08	1.98E-06	1.03E-06	4.35E-07	5.12E-07	2.01E-07	1.03E-06	4.35E-07
336	489238.17	3859721.48	1.94E-03	1.98E-03	1.87E-03	6.70E-07	2.02E-06	1.17E-06	1.20E-06	1.09E-06	4.96E-07	4.68E-07	2.24E-08	5.41E-07	1.19E-07	1.63E-07	2.58E-07	4.56E-08	3.09E-08	1.18E-06	6.11E-07	2.59E-07	3.05E-07	1.20E-07	6.11E-07	2.59E-07
337	489288.17	3859721.48	2.03E-03	2.08E-03	1.96E-03	7.02E-07	2.12E-06	1.23E-06	1.26E-06	1.14E-06	5.20E-07	4.90E-07	2.34E-08	5.66E-07	1.25E-07	1.71E-07	2.71E-07	4.77E-08	3.23E-08	1.24E-06	6.40E-07	2.72E-07	3.19E-07	1.26E-07	6.40E-07	2.72E-07
338	489338.17	3859721.48	2.13E-03	2.18E-03	2.05E-03	7.36E-07	2.22E-06	1.29E-06	1.32E-06	1.19E-06	5.45E-07	5.14E-07	2.46E-08	5.93E-07	1.31E-07	1.79E-07	2.84E-07	5.00E-08	3.39E-08	1.30E-06	6.71E-07	2.85E-07	3.35E-07	1.32E-07	6.71E-07	2.85E-07
339	489388.17	3859721.48	2.23E-03	2.29E-03	2.16E-03	7.73E-07	2.34E-06	1.35E-06	1.38E-06	1.26E-06	5.73E-07	5.40E-07	2.58E-08	6.24E-07	1.38E-07	1.88E-07	2.98E-07	5.26E-08	3.56E-08	1.36E-06	7.05E-07	2.99E-07	3.52E-07	1.38E-07	7.05E-07	2.99E-07
340	489438.17	3859721.48	2.35E-03	2.41E-03	2.27E-03	8.15E-07	2.46E-06	1.42E-06	1.46E-06	1.32E-06	6.03E-07	5.69E-07	2.72E-08	6.57E-07	1.45E-07	1.98E-07	3.14E-07	5.54E-08	3.75E-08	1.43E-06	7.43E-07	3.15E-07	3.71E-07	1.46E-07	7.43E-07	3.15E-07
341	489488.17	3859721.48	2.50E-03	2.56E-03	2.41E-03	8.64E-07	2.61E-06	1.51E-06	1.55E-06	1.40E-06	6.40E-07	6.03E-07	2.88E-08	6.97E-07	1.54E-07	2.10E-07	3.33E-07	5.87E-08	3.98E-08	1.52E-06	7.88E-07	3.34E-07	3.93E-07	1.54E-07	7.88E-07	3.34E-07
342	489538.17	3859721.48	2.65E-03	2.72E-03	2.56E-03	9.19E-07	2.77E-06	1.61E-06	1.64E-06	1.49E-06	6.80E-07	6.42E-07	3.07E-08	7.41E-07	1.63E-07	2.23E-07	3.54E-07	6.24E-08	4.23E-08	1.62E-06	8.38E-07	3.55E-07	4.18E-07	1.64E-07	8.38E-07	3.55E-07
343	489588.17	3859721.48	2.83E-03	2.90E-03	2.74E-03	9.80E-07	2.96E-06	1.71E-06	1.76E-06	1.59E-06	7.26E-07	6.85E-07	3.27E-08	7.91E-07	1.75E-07	2.38E-07	3.78E-07	6.66E-08	4.52E-08	1.73E-06	8.94E-07	3.79E-07	4.46E-07	1.75E-07	8.94E-07	3.79E-07
344	489238.17	3859771.48	1.80E-03	1.84E-03	1.74E-03	6.22E-07	1.88E-06	1.09E-06	1.11E-06	1.01E-06	4.60E-07	4.34E-07	2.08E-08	5.02E-07	1.11E-07	1.51E-07	2.40E-07	4.23E-08	2.86E-08	1.09E-06	5.67E-07	2.41E-07	2.83E-07	1.11E-07	5.67E-07	2.41E-07
345	489288.17	3859771.48	1.87E-03	1.92E-03	1.81E-03	6.48E-07	1.96E-06	1.13E-06	1.16E-06	1.05E-06	4.80E-07	4.53E-07	2.16E-08	5.23E-07	1.15E-07	1.58E-07	2.50E-07	4.41E-08	2.99E-08	1.14E-06	5.91E-07	2.51E-07	2.95E-07	1.16E-07	5.91E-07	2.51E-07
346	489338.17	3859771.48	1.95E-03	2.00E-03	1.89E-03	6.76E-07	2.04E-06	1.18E-06	1.21E-06	1.10E-06	5.01E-07	4.72E-07	2.26E-08	5.45E-07	1.20E-07	1.64E-07	2.61E-07	4.59E-08	3.11E-08	1.19E-06	6.16E-07	2.61E-07	3.08E-07	1.21E-07	6.16E-07	2.61E-07
347	489388.17	3859771.48	2.04E-03	2.09E-03	1.97E-03	7.07E-07	2.13E-06	1.24E-06	1.26E-06	1.15E-06	5.23E-07	4.94E-07	2.36E-08	5.70E-07	1.26E-07	1.72E-07	2.72E-07	4.80E-08	3.26E-08	1.24E-06	6.44E-07	2.73E-07	3.22E-07	1.26E-07	6.44E-07	2.73E-07
348	489438.17	3859771.48	2.14E-03	2.19E-03	2.07E-03	7.40E-07	2.24E-06	1.29E-06	1.33E-06	1.20E-06	5.48E-07	5.17E-07	2.47E-08	5.97E-07	1.32E-07	1.80E-07	2.85E-07	5.03E-08	3.41E-08	1.30E-06	6.75E-07	2.86E-07	3.37E-07	1.32E-07	6.75E-07	2.86E-07
349	489488.17	3859771.48	2.25E-03	2.31E-03	2.18E-03	7.80E-07	2.36E-06	1.36E-06	1.40E-06	1.27E-06	5.78E-07	5.45E-07	2.61E-08	6.29E-07	1.39E-07	1.90E-07	3.01E-07	5.30E-08	3.59E-08	1.37E-06	7.11E-07	3.02E-07	3.55E-07	1.39E-07	7.11E-07	3.02E-07
350	489538.17	3859771.48	2.38E-03	2.43E-03	2.30E-03	8.23E-07	2.48E-06	1.44E-06	1.47E-06	1.33E-06	6.09E-07	5.75E-07	2.75E-08	6.63E-07	1.46E-07	2.00E-07	3.17E-07	5.59E-08	3.79E-08	1.45E-06	7.50E-07	3.18E-07	3.74E-07	1.47E-07	7.50E-07	3.18E-07
351	489588.17	3859771.48	2.51E-03	2.57E-03	2.43E-03	8.70E-07	2.63E-06	1.52E-06	1.56E-06	1.41E-06	6.44E-07	6.08E-07	2.91E-08	7.02E-07	1.55E-07	2.11E-07	3.35E-07	5.91E-08	4.01E-08	1.53E-06	7.93E-07	3.37E-07	3.96E-07	1.56E-07	7.93E-07	3.37E-07
352	489238.17	3859821.48	1.68E-03	1.72E-03	1.62E-03	5.80E-07	1.75E-06	1.01E-06	1.04E-06	9.42E-07	4.30E-07	4.05E-07	1.94E-08	4.68E-07	1.03E-07	1.41E-07	2.24E-07	3.94E-08	2.67E-08	1.02E-06	5.29E-07	2.25E-07	2.64E-07	1.04E-07	5.29E-07	2.25E-07
353	489288.17	3859821.48	1.74E-03	1.78E-03	1.68E-03	6.03E-07	1.82E-06	1.05E-06	1.08E-06	9.78E-07	4.46E-07	4.21E-07	2.01E-08	4.86E-07	1.07E-07	1.47E-07	2.32E-07	4.10E-08	2.78E-08	1.06E-06	5.50E-07	2.33E-07	2.74E-07	1.08E-07	5.50E-07	2.33E-07
354	489338.17	3859821.48	1.81E-03	1.85E-03	1.75E-03	6.26E-07	1.89E-06	1.09E-06	1.12E-06	1.02E-06	4.63E-07	4.37E-07	2.09E-08	5.05E-07	1.11E-07	1.52E-07	2.41E-07	4.25E-08	2.88E-08	1.10E-06	5.71E-07	2.42E-07	2.85E-07	1.12E-07	5.71E-07	2.42E-07
355	489388.17	3859821.48	1.88E-03	1.93E-03	1.82E-03	6.52E-07	1.97E-06	1.14E-06	1.17E-06	1.06E-06	4.83E-07	4.55E-07	2.18E-08	5.26E-07	1.16E-07	1.58E-07	2.51E-07	4.43E-08	3.00E-08	1.15E-06	5.94E-07	2.52E-07	2.97E-07	1.17E-07	5.94E-07	2.52E-07
356	489438.17	3859821.48	1.97E-03	2.01E-03	1.90E-03	6.81E-07	2.05E-06	1.19E-06	1.22E-06	1.10E-06	5.04E-07	4.75E-07	2.27E-08	5.49E-07	1.21E-07	1.65E-07	2.62E-07	4.62E-08	3.14E-08	1.20E-06	6.20E-07	2.63E-07	3.10E-07	1.22E-07	6.20E-07	2.63E-07
357	489488.17	3859821.48	2.06E-03	2.11E-03	1.99E-03	7.12E-07	2.15E-06	1.24E-06	1.28E-06	1.16E-06	5.27E-07	4.97E-07	2.38E-08	5.74E-07	1.27E-07	1.73E-07	2.75E-07	4.84E-08	3.28E-08	1.25E-06	6.49E-07	2.76E-07	3.24E-07	1.27E-07	6.49E-07	2.76E-07
358	489538.17	3859821.48	2.15E-03	2.21E-03	2.08E-03	7.46E-07	2.25E-06	1.30E-06	1.34E-06	1.21E-06	5.52E-07	5.21E-07	2.49E-08	6.02E-07	1.33E-07	1.81E-07	2.88E-07	5.07E-08	3.44E-08	1.31E-06	6.80E-07	2.89E-07	3.39E-07	1.33E-07	6.80E-07	2.89E-07
359	489588.17	3859821.48	2.26E-03	2.32E-03	2.18E-03	7.83E-07	2.36E-06	1.37E-06	1.40E-06	1.27E-06	5.80E-07	5.47E-07	2.61E-08	6.31E-07	1.39E-07	1.90E-07	3.02E-07	5.32E-08	3.61E-08	1.38E-06	7.14E-07	3.03E-07	3.56E-07	1.40E-07	7.14E-07	3.03E-07
360	489238.17	3859871.48	1.57E-03	1.61E-03	1.52E-03	5.45E-07	1.64E-06	9.52E-07	9.75E-07	8.84E-07	4.03E-07	3.80E-07	1.82E-08	4.39E-07	9.69E-08	1.32E-07	2.10E-07	3.70E-08	2.51E-08	9.59E-07	4.97E-07	2.11E-07	2.48E-07	9.74E-08	4.97E-07	2.11E-07
361	489288.17	3859871.48	1.63E-03	1.67E-03	1.57E-03	5.64E-07	1.70E-06	9.85E-07	1.01E-06	9.15E-07	4.17E-07	3.94E-07	1.88E-08	4.55E-07	1.00E-07	1.37E-07	2.17E-07	3.83E-08	2.60E-08	9.92E-07	5.14E-07	2.18E-07	2.56E-07	1.01E-07	5.14E-07	2.18E-07
362	489338.17	3859871.48	1.69E-03	1.73E-03	1.63E-03	5.83E-07	1.76E-06	1.02E-06	1.04E-06	9.47E-07	4.32E-07	4.08E-07	1.95E-08	4.71E-07	1.04E-07	1.42E-07	2.25E-07	3.96E-08	2.69E-08	1.03E-06	5.32E-07	2.26E-07	2.66E-07	1.04E-07	5.32E-07	2.26E-07
363	489388.17	3859871.48	1.75E-03	1.79E-03	1.69E-03	6.06E-07	1.83E-06	1.06E-06	1.08E-06	9.83E-07	4.49E-07	4.23E-07	2.02E-08	4.89E-07	1.08E-07	1.47E-07	2.34E-07	4.12E-08	2.79E-08	1.07E-06	5.52E-07	2.34E-07	2.76E-07	1.08E-07	5.52E-07	2.34E-07
364	489438.17	3859871.48	1.82E-03	1.87E-03	1.76E-03	6.30E-07	1.90E-06	1.10E-06	1.13E-06	1.02E-06	4.67E-07	4.40E-07	2.11E-08	5.09E-07	1.12E-07	1.53E-07	2.43E-07	4.28E-08	2.90E-08	1.11E-06	5.75E-07	2.44E-07	2.87E-07	1.13E-07	5.75E-07	2.44E-07
365	489488.17	3859871.48	1.89E-03	1.94E-03	1.83E-03	6.55E-07	1.98E-06	1.14E-06	1.17E-06	1.06E-06	4.85E-07	4.57E-07	2.19E-08	5.28E-07	1.17E-07	1.59E-07	2.53E-07	4.45E-08	3.02E-08	1.15E-06	5.97E-07	2.53E-07	2.98E-07	1.17E-07	5.97E-07	2.53E-07
366	489538.17	3859871.48	1.97E-03	2.02E-03	1.90E-03	6.82E-07	2.06E-06	1.19E-06	1.22E-06	1.11E-06	5.05E-07	4.76E-07	2.28E-08	5.50E-07	1.21E-07	1.66E-07	2.63E-07	4.63E-08	3.14E-08	1.20E-06	6.22E-07	2.64E-07	3.10E-07	1.22E-07	6.22E-07	2.64E-07
367	489588.17	3859871.48	2.06E-03	2.11E-03	1.99E-03	7.12E-07	2.15E-06	1.24E-06	1.27E-06	1.15E-06	5.27E-07	4.97E-07	2.38E-08	5.74E-07	1.27E-07	1.73E-07	2.74E-07	4.84E-08	3.28E-08	1.25E-06	6.49E-07	2.75E-07	3.24E-07	1.27E-07	6.49E-07	2.75E-07
368	489238.17	3859921.48	1.49E-03	1.52E-03	1.44E-03	5.14E-07	1.55E-06	8.99E-07	9.21E-07	8.35E-07	3.81E-07	3.59E-07	1.72E-08	4.15E-07	9.16E-08	1.25E-07	1.98E-07	3.50E-08	2.37E-08	9.06E-07	4.69E-07	1.99E-07	2.34E-07	9.20E-08	4.69E-07	1.99E-07
369	489288.17	3859921.48	1.53E-03	1.57E-03	1.48E-03	5.31E-07	1.60E-06	9.28E-07	9.50E-07	8.61E-07	3.93E-07	3.71E-07	1.77E-08	4.28E-07	9.45E-08	1.29E-07	2.05E-07	3.61E-08	2.45E-08	9.35E-07	4.84E-07	2.05E-07	2.42E-07	9.49E-08	4.84E-07	2.05E-07
370	489338.17	3859921.48	1.58E-03	1.62E-03	1.53E-03	5.48E-07	1.66E-06	9.58E-07	9.81E-07	8.90E-07	4.06E-07	3.83E-07	1.83E-08	4.42E-07	9.76E-08	1.33E-07	2.11E-07	3.73E-08	2.53E-08	9.65E-07	5.00E-07	2.12E-07	2.49E-07	9.80E-08	5.00E-07	2.12E-07
371	489388.17	3859921.48	1.64E-03	1.68E-03	1.58E-03	5.67E-07	1.71E-06	9.91E-07	1.02E-06	9.20E-07	4.20E-07	3.96E-07	1.89E-08	4.57E-07	1.01E-07	1.38E-07	2.19E-07	3.85E-08	2.61E-08	9.98E-07	5.17E-07	2.19E-07	2.58E-07	1.01E-07	5.17E-07	2.19E-07
372	489438.17	3859921.48	1.69E-03	1.73E-03	1.64E-03	5.86E-07	1.77E-06	1.02E-06	1.05E-06	9.51E-07	4.34E-07	4.09E-07	1.96E-08	4.73E-07	1.04E-07	1.42E-07	2.26E-07	3.98E-08	2.70E-08	1.03E-06	5.34E-07	2.27E-07	2.67E-07	1.05E-07	5.34E-07	2.27E-07
373	489488.17	3859921.48	1.75E-03	1.79E-03	1.69E-03	6.06E-07	1.83E-06	1.06E-06	1.08E-06	9.83E-07	4.49E-07	4.23E-07	2.02E-08	4.89E-07	1.08E-07	1.47E-07	2.34E-07	4.12E-08	2.79E-08	1.07E-06	5.52E-07	2.34E-07	2.76E-07	1.08E-07	5.52E-07	2.34E-07
374	489538.17	3859921.48	1.81E-03	1.86E-03	1.75E-03	6.28E-07	1.90E-06	1.10E-06	1.12E-06	1.02E-06	4.65E-07	4.39E-07	2.10E-08	5.06E-07	1.12E-07	1.53E-07	2.42E-07	4.27E-08	2.89E-08	1.11E-06	5.72E-07	2.43E-07	2.86E-07	1.12E-07	5.72E-07	2.43E-07
375	489588.17	3859921.48	1.87E-03	1.92E-03	1.81E-03	6.49E-07	1.96E-06	1.13E-06	1.16E-06	1.05E-06	4.80E-07	4.53E-07	2.17E-08	5.23E-07	1.15E-07	1.58E-07	2.50E-07	4.41E-08	2.99E-08	1.14E-06	5.92E-07	2.51E-07	2.95E-07	1.16E-07	5.92E-07	2.51E-07
376	489238.17	3859971.48	1.41E-03	1.44E-03	1.36E-03	4.88E-07	1.47E-06	8.53E-07	8.73E-07	7.92E-07	3.61E-07	3.41E-07	1.63E-08	3.94E-07	8.68E-08	1.19E-07	1.88E-07	3.32E-08	2.25E-08	8.59E-07	4.45E-07	1.89E-07	2.22E-07	8.72E-08	4.45E-07	1.89E-07
377	489288.17	3859971.48	1.45E-03	1.48E-03	1.40E-03	5.02E-07	1.51E-06	8.77E-07	8.98E-07	8.14E-07	3.72E-07	3.50E-07	1.68E-08	4.05E-07	8.93E-08	1.22E-07	1.93E-07	3.41E-08	2.31E-08	8.83E-07	4.57E-07	1.94E-07	2.28E-07	8.97E-08	4.57E-07	1.94E-07
378	489338.17	3859971.48	1.49E-03	1.53E-03	1.44E-03	5.17E-07	1.56E-06	9.04E-07	9.26E-07	8.39E-07	3.83E-07	3.61E-07	1.73E-08	4.17E-07	9.20E-08	1.26E-07	1.99E-07	3.51E-08	2.38E-08	9.10E-07	4.71E-07	2.00E-07	2.35E-07	9.24E-08	4.71E-07	2.00E-07

379	489388.17	3859971.48	1.54E-03	1.58E-03	1.49E-03	5.32E-07	1.61E-06	9.31E-07	9.53E-07	8.64E-07	3.94E-07	3.72E-07	1.78E-08	4.29E-07	9.48E-08	1.29E-07	2.05E-07	3.62E-08	2.45E-08	9.37E-07	4.85E-07	2.06E-07	2.42E-07	9.52E-08	4.85E-07	2.06E-07
380	489438.17	3859971.48	1.57E-03	1.61E-03	1.52E-03	5.45E-07	1.64E-06	9.52E-07	9.75E-07	8.84E-07	4.03E-07	3.80E-07	1.82E-08	4.39E-07	9.69E-08	1.32E-07	2.10E-07	3.70E-08	2.51E-08	9.59E-07	4.97E-07	2.11E-07	2.48E-07	9.74E-08	4.97E-07	2.11E-07
381	489488.17	3859971.48	1.60E-03	1.63E-03	1.54E-03	5.52E-07	1.67E-06	9.65E-07	9.89E-07	8.96E-07	4.09E-07	3.86E-07	1.84E-08	4.45E-07	9.83E-08	1.34E-07	2.13E-07	3.75E-08	2.54E-08	9.72E-07	5.04E-07	2.14E-07	2.51E-07	9.87E-08	5.04E-07	2.14E-07
382	489538.17	3859971.48	1.62E-03	1.66E-03	1.56E-03	5.60E-07	1.69E-06	9.79E-07	1.00E-06	9.09E-07	4.15E-07	3.91E-07	1.87E-08	4.52E-07	9.97E-08	1.36E-07	2.16E-07	3.81E-08	2.58E-08	9.86E-07	5.11E-07	2.17E-07	2.55E-07	1.00E-07	5.11E-07	2.17E-07
383	489588.17	3859971.48	1.65E-03	1.69E-03	1.59E-03	5.70E-07	1.72E-06	9.96E-07	1.02E-06	9.24E-07	4.22E-07	3.98E-07	1.90E-08	4.59E-07	1.01E-07	1.38E-07	2.20E-07	3.87E-08	2.62E-08	1.00E-06	5.19E-07	2.20E-07	2.59E-07	1.02E-07	5.19E-07	2.20E-07
384	483577.7	3854071	3.42E-03	3.50E-03	3.31E-03	1.18E-06	3.58E-06	2.07E-06	2.12E-06	1.92E-06	8.77E-07	8.27E-07	3.95E-08	9.55E-07	2.11E-07	2.88E-07	4.57E-07	8.05E-08	5.46E-08	2.09E-06	1.08E-06	4.58E-07	5.39E-07	2.12E-07	1.08E-06	4.58E-07
385	483627.7	3854071	3.22E-03	3.30E-03	3.11E-03	1.11E-06	3.37E-06	1.95E-06	2.00E-06	1.81E-06	8.25E-07	7.79E-07	3.72E-08	8.99E-07	1.98E-07	2.71E-07	4.30E-07	7.58E-08	5.14E-08	1.96E-06	1.02E-06	4.31E-07	5.07E-07	1.99E-07	1.02E-06	4.31E-07
386	483677.7	3854071	3.04E-03	3.11E-03	2.94E-03	1.05E-06	3.18E-06	1.84E-06	1.88E-06	1.71E-06	7.79E-07	7.35E-07	3.51E-08	8.48E-07	1.87E-07	2.56E-07	4.06E-07	7.15E-08	4.85E-08	1.85E-06	9.59E-07	4.07E-07	4.79E-07	1.88E-07	9.59E-07	4.07E-07
387	483727.7	3854071	2.88E-03	2.94E-03	2.78E-03	9.95E-07	3.00E-06	1.74E-06	1.78E-06	1.62E-06	7.37E-07	6.95E-07	3.32E-08	8.03E-07	1.77E-07	2.42E-07	3.84E-07	6.76E-08	4.59E-08	1.75E-06	9.07E-07	3.85E-07	4.53E-07	1.78E-07	9.07E-07	3.85E-07
388	483777.7	3854071	2.70E-03	2.77E-03	2.61E-03	9.36E-07	2.83E-06	1.64E-06	1.68E-06	1.52E-06	6.93E-07	6.54E-07	3.13E-08	7.55E-07	1.67E-07	2.28E-07	3.61E-07	6.36E-08	4.31E-08	1.65E-06	8.53E-07	3.62E-07	4.26E-07	1.67E-07	8.53E-07	3.62E-07
389	483577.7	3854121	3.45E-03	3.53E-03	3.33E-03	1.19E-06	3.61E-06	2.09E-06	2.14E-06	1.94E-06	8.85E-07	8.34E-07	3.99E-08	9.63E-07	2.13E-07	2.90E-07	4.61E-07	8.12E-08	5.50E-08	2.10E-06	1.09E-06	4.62E-07	5.44E-07	2.14E-07	1.09E-06	4.62E-07
390	483627.7	3854121	3.22E-03	3.30E-03	3.12E-03	1.12E-06	3.37E-06	1.95E-06	2.00E-06	1.81E-06	8.27E-07	7.80E-07	3.73E-08	9.00E-07	1.99E-07	2.71E-07	4.30E-07	7.59E-08	5.14E-08	1.97E-06	1.02E-06	4.32E-07	5.08E-07	2.00E-07	1.02E-06	4.32E-07
391	483677.7	3854121	3.01E-03	3.08E-03	2.91E-03	1.04E-06	3.15E-06	1.82E-06	1.86E-06	1.69E-06	7.71E-07	7.28E-07	3.48E-08	8.40E-07	1.85E-07	2.53E-07	4.02E-07	7.08E-08	4.80E-08	1.83E-06	9.50E-07	4.03E-07	4.74E-07	1.86E-07	9.50E-07	4.03E-07
392	483727.7	3854121	2.82E-03	2.88E-03	2.72E-03	9.75E-07	2.94E-06	1.70E-06	1.75E-06	1.58E-06	7.22E-07	6.81E-07	3.26E-08	7.86E-07	1.74E-07	2.37E-07	3.76E-07	6.62E-08	4.49E-08	1.72E-06	8.89E-07	3.77E-07	4.44E-07	1.74E-07	8.89E-07	3.77E-07
393	483777.7	3854121	2.67E-03	2.73E-03	2.58E-03	9.23E-07	2.79E-06	1.61E-06	1.65E-06	1.50E-06	6.84E-07	6.45E-07	3.08E-08	7.45E-07	1.64E-07	2.24E-07	3.56E-07	6.27E-08	4.25E-08	1.63E-06	8.42E-07	3.57E-07	4.20E-07	1.65E-07	8.42E-07	3.57E-07
394	483577.7	3854171	3.43E-03	3.52E-03	3.32E-03	1.19E-06	3.59E-06	2.08E-06	2.13E-06	1.93E-06	8.80E-07	8.30E-07	3.97E-08	9.59E-07	2.12E-07	2.89E-07	4.58E-07	8.08E-08	5.47E-08	2.09E-06	1.08E-06	4.60E-07	5.41E-07	2.12E-07	1.08E-06	4.60E-07
395	483627.7	3854171	3.17E-03	3.25E-03	3.06E-03	1.10E-06	3.32E-06	1.92E-06	1.97E-06	1.78E-06	8.13E-07	7.67E-07	3.67E-08	8.86E-07	1.95E-07	2.67E-07	4.23E-07	7.46E-08	5.06E-08	1.93E-06	1.00E-06	4.25E-07	5.00E-07	1.96E-07	1.00E-06	4.25E-07
396	483677.7	3854171	2.96E-03	3.04E-03	2.86E-03	1.03E-06	3.10E-06	1.79E-06	1.84E-06	1.66E-06	7.60E-07	7.17E-07	3.43E-08	8.27E-07	1.83E-07	2.49E-07	3.96E-07	6.97E-08	4.73E-08	1.81E-06	9.35E-07	3.97E-07	4.67E-07	1.83E-07	9.35E-07	3.97E-07
397	483727.7	3854171	2.79E-03	2.86E-03	2.70E-03	9.67E-07	2.92E-06	1.69E-06	1.73E-06	1.57E-06	7.16E-07	6.75E-07	3.23E-08	7.80E-07	1.72E-07	2.35E-07	3.73E-07	6.57E-08	4.45E-08	1.70E-06	8.81E-07	3.74E-07	4.40E-07	1.73E-07	8.81E-07	3.74E-07
398	483777.7	3854171	2.63E-03	2.70E-03	2.55E-03	9.12E-07	2.75E-06	1.59E-06	1.63E-06	1.48E-06	6.75E-07	6.37E-07	3.05E-08	7.36E-07	1.62E-07	2.22E-07	3.52E-07	6.20E-08	4.20E-08	1.61E-06	8.31E-07	3.53E-07	4.15E-07	1.63E-07	8.31E-07	3.53E-07
399	483827.7	3854171	2.47E-03	2.53E-03	2.38E-03	8.54E-07	2.58E-06	1.49E-06	1.53E-06	1.39E-06	6.32E-07	5.96E-07	2.85E-08	6.89E-07	1.52E-07	2.08E-07	3.29E-07	5.80E-08	3.93E-08	1.50E-06	7.78E-07	3.30E-07	3.89E-07	1.53E-07	7.78E-07	3.30E-07
400	483877.7	3854171	2.35E-03	2.41E-03	2.27E-03	8.13E-07	2.46E-06	1.42E-06	1.46E-06	1.32E-06	6.02E-07	5.68E-07	2.72E-08	6.56E-07	1.45E-07	1.98E-07	3.14E-07	5.53E-08	3.75E-08	1.43E-06	7.42E-07	3.15E-07	3.70E-07	1.45E-07	7.42E-07	3.15E-07
401	483727.7	3854221	2.78E-03	2.85E-03	2.69E-03	9.64E-07	2.91E-06	1.68E-06	1.73E-06	1.56E-06	7.14E-07	6.73E-07	3.22E-08	7.77E-07	1.72E-07	2.34E-07	3.72E-07	6.55E-08	4.44E-08	1.70E-06	8.79E-07	3.73E-07	4.38E-07	1.72E-07	8.79E-07	3.73E-07
402	483777.7	3854221	2.62E-03	2.68E-03	2.53E-03	9.06E-07	2.74E-06	1.58E-06	1.62E-06	1.47E-06	6.71E-07	6.33E-07	3.03E-08	7.31E-07	1.61E-07	2.20E-07	3.49E-07	6.16E-08	4.18E-08	1.60E-06	8.26E-07	3.51E-07	4.12E-07	1.62E-07	8.26E-07	3.51E-07
403	483827.7	3854221	2.51E-03	2.57E-03	2.43E-03	8.69E-07	2.62E-06	1.52E-06	1.56E-06	1.41E-06	6.44E-07	6.07E-07	2.90E-08	7.01E-07	1.55E-07	2.11E-07	3.35E-07	5.91E-08	4.00E-08	1.53E-06	7.92E-07	3.36E-07	3.95E-07	1.55E-07	7.92E-07	3.36E-07
404	483877.7	3854221	2.37E-03	2.43E-03	2.29E-03	8.20E-07	2.48E-06	1.43E-06	1.47E-06	1.33E-06	6.07E-07	5.73E-07	2.74E-08	6.61E-07	1.46E-07	1.99E-07	3.16E-07	5.57E-08	3.78E-08	1.44E-06	7.48E-07	3.17E-07	3.73E-07	1.47E-07	7.48E-07	3.17E-07
405	489150.19	3858726.45	7.34E-03	7.52E-03	7.09E-03	2.54E-06	7.67E-06	4.44E-06	4.55E-06	4.12E-06	1.88E-06	1.77E-06	8.48E-08	2.05E-06	4.52E-07	6.18E-07	9.80E-07	1.73E-07	1.17E-07	4.47E-06	2.32E-06	9.83E-07	1.16E-06	4.54E-07	2.32E-06	9.83E-07
406	489200.19	3858726.45	6.87E-03	7.04E-03	6.64E-03	2.38E-06	7.18E-06	4.16E-06	4.26E-06	3.86E-06	1.76E-06	1.66E-06	7.94E-08	1.92E-06	4.23E-07	5.78E-07	9.17E-07	1.62E-07	1.10E-07	4.19E-06	2.17E-06	9.20E-07	1.08E-06	4.25E-07	2.17E-06	9.20E-07
407	489150.19	3858776.45	8.41E-03	8.61E-03	8.13E-03	2.91E-06	8.79E-06	5.09E-06	5.21E-06	4.73E-06	2.16E-06	2.03E-06	9.72E-08	2.35E-06	5.18E-07	7.08E-07	1.12E-06	1.98E-07	1.34E-07	5.13E-06	2.65E-06	1.13E-06	1.33E-06	5.21E-07	2.65E-06	1.13E-06
408	489200.19	3858776.45	7.78E-03	7.97E-03	7.52E-03	2.69E-06	8.13E-06	4.71E-06	4.82E-06	4.37E-06	1.99E-06	1.88E-06	8.99E-08	2.17E-06	4.79E-07	6.55E-07	1.04E-06	1.83E-07	1.24E-07	4.74E-06	2.46E-06	1.04E-06	1.23E-06	4.82E-07	2.46E-06	1.04E-06
409	488919.6	3856400.76	1.28E-03	1.31E-03	1.23E-03	4.42E-07	1.33E-06	7.72E-07	7.91E-07	7.17E-07	3.27E-07	3.09E-07	1.48E-08	3.56E-07	7.87E-08	1.07E-07	1.70E-07	3.00E-08	2.04E-08	7.78E-07	4.03E-07	1.71E-07	2.01E-07	7.90E-08	4.03E-07	1.71E-07
410	488919.6	3856450.76	1.30E-03	1.33E-03	1.25E-03	4.50E-07	1.36E-06	7.86E-07	8.05E-07	7.30E-07	3.33E-07	3.14E-07	1.50E-08	3.63E-07	8.00E-08	1.09E-07	1.73E-07	3.06E-08	2.07E-08	7.92E-07	4.10E-07	1.74E-07	2.05E-07	8.04E-08	4.10E-07	1.74E-07
411	488969.6	3856450.76	1.29E-03	1.32E-03	1.24E-03	4.46E-07	1.35E-06	7.80E-07	7.98E-07	7.24E-07	3.30E-07	3.12E-07	1.49E-08	3.60E-07	7.94E-08	1.08E-07	1.72E-07	3.03E-08	2.05E-08	7.85E-07	4.07E-07	1.73E-07	2.03E-07	7.97E-08	4.07E-07	1.73E-07
412	488919.6	3856500.76	1.32E-03	1.35E-03	1.28E-03	4.58E-07	1.38E-06	8.00E-07	8.20E-07	7.43E-07	3.39E-07	3.20E-07	1.53E-08	3.69E-07	8.15E-08	1.11E-07	1.77E-07	3.11E-08	2.11E-08	8.06E-07	4.17E-07	1.77E-07	2.08E-07	8.18E-08	4.17E-07	1.77E-07
413	488969.6	3856500.76	1.31E-03	1.34E-03	1.27E-03	4.54E-07	1.37E-06	7.94E-07	8.13E-07	7.37E-07	3.36E-07	3.17E-07	1.52E-08	3.66E-07	8.08E-08	1.10E-07	1.75E-07	3.09E-08	2.09E-08	8.00E-07	4.14E-07	1.76E-07	2.07E-07	8.12E-08	4.14E-07	1.76E-07
414	488919.6	3856550.76	1.35E-03	1.38E-03	1.30E-03	4.66E-07	1.41E-06	8.15E-07	8.35E-07	7.57E-07	3.45E-07	3.26E-07	1.56E-08	3.76E-07	8.30E-08	1.13E-07	1.80E-07	3.17E-08	2.15E-08	8.21E-07	4.25E-07	1.80E-07	2.12E-07	8.34E-08	4.25E-07	1.80E-07
415	488969.6	3856550.76	1.34E-03	1.37E-03	1.29E-03	4.62E-07	1.40E-06	8.08E-07	8.28E-07	7.50E-07	3.42E-07	3.23E-07	1.54E-08	3.73E-07	8.23E-08	1.12E-07	1.78E-07	3.14E-08	2.13E-08	8.14E-07	4.22E-07	1.79E-07	2.10E-07	8.27E-08	4.22E-07	1.79E-07
416	488819.6	3856600.76	1.40E-03	1.43E-03	1.35E-03	4.83E-07	1.46E-06	8.45E-07	8.65E-07	7.84E-07	3.58E-07	3.38E-07	1.61E-08	3.90E-07	8.60E-08	1.17E-07	1.86E-07	3.28E-08	2.23E-08	8.51E-07	4.41E-07	1.87E-07	2.20E-07	8.64E-08	4.41E-07	1.87E-07
417	488869.6	3856600.76	1.38E-03	1.42E-03	1.34E-03	4.79E-07	1.45E-06	8.37E-07	8.57E-07	7.77E-07	3.54E-07	3.34E-07	1.60E-08	3.86E-07	8.52E-08	1.16E-07	1.85E-07	3.25E-08	2.21E-08	8.43E-07	4.36E-07	1.85E-07	2.18E-07	8.56E-08	4.36E-07	1.85E-07
418	488919.6	3856600.76	1.37E-03	1.41E-03	1.33E-03	4.75E-07	1.43E-06	8.30E-07	8.51E-07	7.71E-07	3.52E-07	3.32E-07	1.59E-08	3.83E-07	8.46E-08	1.15E-07	1.83E-07	3.23E-08	2.19E-08	8.37E-07	4.33E-07	1.84E-07	2.16E-07	8.49E-08	4.33E-07	1.84E-07
419	488819.6	3856650.76	1.42E-03	1.46E-03	1.37E-03	4.93E-07	1.49E-06	8.61E-07	8.82E-07	7.99E-07	3.65E-07	3.44E-07	1.64E-08	3.97E-07	8.77E-08	1.20E-07	1.90E-07	3.35E-08	2.27E-08	8.67E-07	4.49E-07	1.91E-07	2.24E-07	8.81E-08	4.49E-07	1.91E-07
420	488869.6	3856650.76	1.41E-03	1.44E-03	1.36E-03	4.88E-07	1.47E-06	8.53E-07	8.73E-07	7.92E-07	3.61E-07	3.41E-07	1.63E-08	3.94E-07	8.68E-08	1.19E-07	1.88E-07	3.32E-08	2.25E-08	8.59E-07	4.45E-07	1.89E-07	2.22E-07	8.72E-08	4.45E-07	1.89E-07
421	488819.6	3856700.76	1.45E-03	1.49E-03	1.40E-03	5.02E-07	1.52E-06	8.78E-07	8.99E-07	8.15E-07	3.72E-07	3.51E-07	1.68E-08	4.05E-07	8.94E-08	1.22E-07	1.94E-07	3.41E-08	2.31E-08	8.84E-07	4.58E-07	1.94E-07	2.29E-07	8.98E-08	4.58E-07	1.94E-07
422	488869.6	3856700.76	1.44E-03	1.47E-03	1.39E-03	4.97E-07	1.50E-06	8.69E-07	8.90E-07	8.07E-07	3.68E-07	3.47E-07	1.66E-08	4.01E-07	8.85E-08	1.21E-07	1.92E-07	3.38E-08	2.29E-08	8.75E-07	4.53E-07	1.92E-07	2.26E-07	8.89E-08	4.53E-07	1.92E-07
423	488819.6	3856750.76	1.48E-03	1.51E-03	1.43E-03	5.12E-07	1.55E-06	8.95E-07	9.16E-07	8.31E-07	3.79E-07	3.58E-07	1.71E-08	4.13E-07	9.11E-08	1.24E-07	1.97E-07	3.48E-08	2.36E-08	9.01E-07	4.67E-07	1.98E-07	2.33E-07	9.15E-08	4.67E-07	1.98E-07
424	488869.6	3856750.76	1.47E-03	1.50E-03	1.42E-03	5.07E-07	1.53E-06	8.87E-07	9.08E-07	8.23E-07	3.76E-07	3.54E-07	1.69E-08	4.09E-07	9.03E-08	1.23E-07	1.96E-07	3.45E-08	2.34E-08	8.93E-07	4.63E-07	1.96E-07	2.31E-07	9.07E-08	4.63E-07	1.96E-07
425	488819.6	3857050.76	1.68E-03	1.72E-03	1.62E-03	5.81E-07	1.75E-06	1.02E-06	1.04E-06	9.43E-07	4.30E-07	4.06E-07	1.94E-08	4.69E-07	1.03E-07	1.41E-07	2.24E-07	3.95E-08	2.68E-08	1.02E-06	5.30E-07	2.25E-07	2.64E-07	1.04E-07	5.30E-07	2.25E-07
426	488869.6	3857050.76	1.66E-03	1.70E-03	1.61E-03	5.75E-07	1.74E-06	1.01E-06	1.03E-06	9.34E-07	4.26E-07	4.02E-07	1.92E-08	4.64E-07	1.02E-07	1.40E-07	2.22E-07	3.91E-08	2.65E-08	1.01E-06	5.25E-07	2.23E-07	2.62E-07	1.03E-07	5.25E-07	2.23E-07
427	488919.6	3857050.76	1.65E-03	1.69E-03	1.59E-03	5.70E-07	1.72E-06	9.96E-07	1.02E-06	9.24E-07	4.22E-07	3.98E-07	1.90E-08	4.59E-07	1.01E-07	1.38E-07	2.20E-07	3.87E-08	2.62E-08	1.00E-06	5.19E-07	2.20E-07	2.59E-07	1.02E-07	5.19E-07	2.20E-07
428	488819.6	3857100.76	1.72E-03	1.76E-03	1.66E-03	5.95E-07	1.80E-06	1.04E-06	1.06E-06	9.65E-07	4.40E-07	4.15E-07	1.99E-08	4.80E-07	1.06E-07	1.45E-07	2.29E-07	4.04E-08	2.74E-08	1.05E-06	5.42E-07	2.30E-07	2.71E-07	1.06E-07	5.42E-07	2.30E-07
429	488869.6	3857100.76	1.70E-03	1.74E-03	1.64E-03	5.89E-07	1.78E-06	1.03E-06	1.05E-06	9.55E-07	4.36E-07	4.11E-07	1.97E-08	4.75E-07	1.05E-07	1.43E-07	2.27E-07	4.00E-08	2.71E-08	1.04E-06	5.37E-07	2.28E-07	2.68E-07	1.05E-07	5.37E-07	2.28E-07
430	488919.6	3857100.76	1.68E-03	1.72E-03	1.63E-03	5.83E-07	1.76E-06	1.02E-06	1.04E-06	9.46E-07	4.32E-07	4.07E-07	1.95E-08	4.70E-07	1.04E-07	1.42E-07	2.25E-07	3.96E-08	2.69E-08	1.03E-06	5.31E-07	2.26E-07	2.65E-07	1.04E-07	5.31E-07	2.26E-07
431	488819.6	3857150.76	1.76E-03	1.80E-03	1.70E-03	6.09E-07	1.84E-06	1.07E-06	1.09E-06	9.89E-07	4.51E-07	4.26E-07	2.04E-08	4.92E-07	1.08E-07	1.48E-07	2.35E-07	4.14E-08	2.81E-08	1.07E-06	5.56E-07	2.36E-07	2.77E-07	1.09E-07	5.56E-07	2.36E-07
432	488869.6	3857150.76	1.74E-03	1.78E-03	1.68E-03	6.03E-07	1.82E-06	1.05E-06	1.08E-06	9.78E-07	4.46E-07	4.21E-07	2.01E-08	4.86E-07	1.07E-07	1.47E-07	2.32E-07	4.10E-08	2.78E-08	1.06E-06	5.50E-07	2.33E-07	2.74E-07	1.08E-07	5.50E-07	2.33E-07
433	488919.6	3857150.76	1.72E-03	1.77E-03	1.67E-03	5.97E-07	1.80E-06	1.04E-06	1.07E-06	9.68E-07	4.42E-07	4.17E-07	1.99E-08	4.81E-07	1.06E-07	1.45E-07	2.30E-07	4.06E-08	2.75E-08	1.05E-06	5.44E-07	2.31E-07	2.72E-07	1.07E-07	5.44E-07	2.31E-07
434	488969.6	3857150.76	1.71E-03	1.75E-03	1.65E-03	5.91E-07	1.78E-06	1.03E-06	1.06E-06	9.58E-07	4.37E-07	4.13E-07	1.97E-08	4.76E-07	1.05E-07	1.44E-07	2.28E-07	4.01E-08	2.72E-08	1.04E-06	5.38E-07	2.28E-07	2.69E-07	1.06E-07	5.38E-07	2.28E-07
435	488819.6	3857200.76	1.80E-03	1.85E-03	1.74E-03	6.25E-07	1.89E-06	1.09E-06	1.12E-06	1.01E-06	4.63E-07	4.36E-07	2.09E-08	5.04E-07	1.11E-07	1.52E-07	2.41E-07	4.25E-08	2.88E-08	1.10E-06	5.70E-07	2.42E-07	2.84E-07	1.12E-07	5.70E-07	2.42E-07
436	488869.6	3857200.76	1.79E-03	1.83E-03	1.73E-03	6.18E-07	1.87E-06	1.08E-06	1.11E-06	1.00E-06	4.58E-07	4.32E-07	2.06E-08	4.99E-07	1.10E-07	1.50E-07	2.38E-07	4.20E-08	2.85E-08	1.09E-06	5.64E-07	2.39E-07	2.81E-07	1.11E-07	5.64E-07	2.39E-07
437	488919.6	3857200.76	1.77E-03	1.81E-03	1.71E-03	6.12E-07	1.85E-06	1.07E-06	1.09E-06	9.92E-07	4.53E-07	4.27E-07	2.04E-08	4.93E-07	1.09E-07	1.49E-07	2.36E-07	4.16E-08	2.82E-08	1.08E-06	5.58E-07	2.37E-07	2.78E-07	1.09E-07	5.58E-07	2.37E-07
438	488969.6	3857200.76	1.75E-03	1.79E-03	1.69E-03	6.05E-07	1.83E-06	1.06E-06	1.08E-06	9.82E-07	4.48E-07	4.23E-07	2.02E-08	4.88E-07	1.08E-07	1.47E-07	2.33E-07	4.11E-08	2.79E-08	1.07E-06	5.52E-07	2.34E-07	2.75E-07	1.08E-07	5.52E-07	2.34E-07
439	488819.6	3857250.76	1.85E-03	1.90E-03	1.79E-03	6.41E-07	1.94E-06	1.12E-06	1.15E-06	1.04E-06	4.75E-07	4.48E-07	2.14E-08	5.17E-07	1.14E-07	1.56E-07	2.47E-07	4.36E-08	2.95E-08	1.13E-06	5.85E-07	2.48E-07	2.92E-07	1.15E-07	5.85E-07	2.48E-07
440	488869.6	3857250.76	1.83E-03	1.88E-03	1.77E-03	6.34E-07	1.91E-06	1.11E-06	1.14E-06	1.03E-06	4.69E-07	4.43E-07	2.12E-08	5.11E-07	1.13E-07	1.54E-07	2.44E-07	4.31E-08	2.92E-08	1.12E-06	5.78E-07	2.45E-07	2.89E-07	1.13E-07	5.78E-07	2.45E-07
441	488919.6	3857250.76	1.81E-03	1.85E-03	1.75E-03	6.27E-07	1.89E-06	1.10E-06	1.12E-06	1.02E-06	4.64E-07	4.38E-07	2.09E-08	5.06E-07	1.12E-07	1.52E-07	2.42E-07	4.26E-08	2.89E-08	1.10E-06	5.72E-07	2.43E-07	2.85E-07	1.12E-07	5.72E-07	2.43E-07
442	488969.6	3857250.76	1.79E-03	1.84E-03	1.73E-03	6.20E-07	1.87E-06	1.08E-06	1.11E-06	1.01E-06	4.59E-07	4.33E-07	2.07E-08	5.00E-07	1.10E-07	1.51E-07	2.39E-07	4.21E-08	2.86E-08	1.09E-06	5.65E-07	2.40E-07	2.82E-07	1.11E-07	5.65E-07	2.40E-07
443	488819.6	3857300.76	1.90E-03	1.95E-03	1.84E-03	6.59E-07	1.99E-06	1.15E-06	1.18E-06	1.07E-06	4.88E-07	4.60E-07	2.20E-08	5.31E-07	1.17E-07	1.60E-07	2.54E-07	4.48E-08	3.03E-08	1.16E-06	6.00E-07	2.55E-07	3.00E-07	1.18E-07	6.00E-07	2.55E-07
444	488869.6	3857300.76	1.88E-03	1.93E-03	1.82E-03	6.51E-07	1.97E-06	1.14E-06	1.17E-06	1.06E-06	4.82E-07	4.55E-07	2.17E-08	5.25E-07	1.16E-07	1.58E-07	2.51E-07	4.42E-08	3.00E-08	1.15E-06	5.93E-07	2.52E-07	2.96E-07	1.16E-07	5.93E-07	2.52E-07
445	488919.6	3857300.76	1.86E-03	1.90E-03	1.80E-03	6.44E-07	1.94E-06	1.13E-06	1.15E-06	1.04E-06	4.77E-07	4.50E-07	2.15E-08	5.19E-07	1.15E-07	1.56E-07	2.48E-07	4.37E-08	2.97E-08	1.13E-06	5.87E-07	2.49E-07	2.93E-07	1.15E-07	5.87E-07	2.49E-07
446	488819.6	3857450.76	2.07E-03	2.12E-03	2.00E-03	7.17E-07	2.17E-06	1.25E-06	1.28E-06	1.16E-06	5.31E-07	5.01E-07	2.40E-08	5.79E-07	1.28E-07	1.74E-07	2.77E-07	4.87E-08	3.30E-08	1.26E-06	6.54E-07	2.77E-07	3.26E-07	1.28E-07	6.54E-07	2.77E-07
447	488869.6	3857450.76	2.04E-03	2.09E-03	1.97E-03	7.08E-07	2.14E-06	1.24E-06	1.27E-06	1.15E-06	5.24E-07	4.94E-07	2.36E-08	5.71E-07	1.26E-07	1.72E-07	2.73E-07	4.81E-08	3.26E-08	1.25E-06	6.45E-07	2.74E-07	3.22E-07	1.27E-07	6.45E-07	2.74E-07
448	488919.6	3857450.76	2.02E-03	2.07E-03	1.95E-03	6.99E-07	2.11E-06	1.22E-06	1.25E-06	1.14E-06	5.18E-07	4.89E-07	2.34E-08	5.64E-07	1.24E-07	1.70E-07	2.70E-07	4.75E-08	3.22E-08	1.23E-06	6.38E-07	2.71E-07	3.18E-07	1.25E-07	6.38E-07	2.71E-07
449	488819.6	3857500.76	2.13E-03	2.19E-03	2.06E-03	7.39E-07	2.23E-06	1.29E-06	1.32E-06	1.20E-06	5.47E-07	5.16E-07	2.47E-08	5.96E-07	1.31E-07	1.80E-07	2.85E-07	5.02E-08	3.40E-08	1.30E-06	6.74E-07	2.86E-07	3.36E-07	1.32E-07	6.74E-07	2.86E-07
450	488869.6	3857500.76	2.11E-03	2.16E-03	2.04E-03	7.30E-07	2.20E-06	1.28E-06	1.31E-06	1.18E-06	5.40E-07	5.10E-07	2.44E-08	5.88E-07	1.30E-07	1.77E-07	2.81E-07	4.96E-08	3.36E-08	1.28E-06	6.65E-07	2.82E-07	3.32E-07	1.30E-07	6.65E-07	2.82E-07
451	488919.6	3857500.76	2.08E-03	2.13E-03	2.01E-03	7.20E-07	2.18E-06	1.26E-06	1.29E-06	1.17E-06	5.33E-07	5.03E-07	2.41E-08	5.81E-07	1.28E-07	1.75E-07	2.78E-07	4.90E-08	3.32E-08	1.27E-06	6.57E-07	2.79E-07	3.28E-07	1.29E-07	6.57E-07	2.79E-07
452	488819.6	3857550.76	2.20E-03	2.26E-03	2.13E-03	7.63E-07	2.30E-06	1.33E-06	1.37E-06	1.24E-06	5.65E-07	5.33E-07	2.55E-08	6.15E-07	1.36E-07	1.85E-07	2.94E-07	5.18E-08	3.51E-08	1.34E-06	6.95E-07	2.95E-07	3.47E-07	1.36E-07	6.95E-07	2.95E-07
453	488869.6	3857550.76	2.17E-03	2.23E-03	2.10E-03	7.52E-07	2.27E-06	1.31E-06	1.35E-06	1.22E-06	5.57E-07	5.25E-07	2.51E-08	6.07E-07	1.34E-07	1.83E-07	2.90E-07	5.11E-08	3.46E-08	1.32E-06	6.86E-07	2.91E-07	3.42E-07	1.34E-07	6.86E-07	2.91E-07
454	488919.6	3857550.76	2.15E-03	2.20E-03	2.07E-03	7.43E-07	2.24E-06	1.30E-06	1.33E-06	1.21E-06	5.50E-07	5.19E-07	2.48E-08	5.99E-07	1.32E-07	1.81E-07	2.86E-07	5.05E-08	3.42E-08	1.31E-06	6.77E-07	2.87E-07	3.38E-07	1.33E-07	6.77E-07	2.87E-07
455	489663.71	3860900.05	8.10E-04	8.30E-04	7.83E-04	2.80E-07	8.47E-07	4.90E-07	5.02E-07	4.55E-07	2.08E-07	1.96E-07	9.37E-09	2.26E-07	4.99E-08	6.82E-08	1.08E-07	1.91E-08	1.29E-08	4.94E-07	2.56E-07	1.09E-07	1.28E-07	5.01E-08	2.56E-07	1.09E-07

456	489813.71	3860900.05	8.50E-04	8.71E-04	8.21E-04	2.94E-07	8.89E-07	5.14E-07	5.27E-07	4.78E-07	2.18E-07	2.06E-07	9.83E-09	2.37E-07	5.24E-08	7.15E-08	1.13E-07	2.00E-08	1.36E-08	5.18E-07	2.68E-07	1.14E-07	1.34E-07	5.26E-08	2.68E-07	1.14E-07
457	489863.71	3860900.05	8.63E-04	8.84E-04	8.34E-04	2.99E-07	9.02E-07	5.22E-07	5.35E-07	4.85E-07	2.21E-07	2.09E-07	9.98E-09	2.41E-07	5.32E-08	7.26E-08	1.15E-07	2.03E-08	1.38E-08	5.26E-07	2.72E-07	1.16E-07	1.36E-07	5.34E-08	2.72E-07	1.16E-07
458	489913.71	3860900.05	8.78E-04	8.99E-04	8.48E-04	3.04E-07	9.18E-07	5.31E-07	5.44E-07	4.93E-07	2.25E-07	2.12E-07	1.02E-08	2.45E-07	5.41E-08	7.39E-08	1.17E-07	2.07E-08	1.40E-08	5.35E-07	2.77E-07	1.18E-07	1.38E-07	5.43E-08	2.77E-07	1.18E-07
459	489963.71	3860900.05	8.93E-04	9.15E-04	8.63E-04	3.09E-07	9.33E-07	5.40E-07	5.53E-07	5.02E-07	2.29E-07	2.16E-07	1.03E-08	2.49E-07	5.50E-08	7.51E-08	1.19E-07	2.10E-08	1.42E-08	5.44E-07	2.82E-07	1.20E-07	1.41E-07	5.53E-08	2.82E-07	1.20E-07
460	490013.71	3860900.05	9.09E-04	9.31E-04	8.78E-04	3.15E-07	9.50E-07	5.50E-07	5.63E-07	5.11E-07	2.33E-07	2.20E-07	1.05E-08	2.54E-07	5.60E-08	7.65E-08	1.21E-07	2.14E-08	1.45E-08	5.54E-07	2.87E-07	1.22E-07	1.43E-07	5.63E-08	2.87E-07	1.22E-07
461	490063.71	3860900.05	9.25E-04	9.48E-04	8.94E-04	3.20E-07	9.67E-07	5.60E-07	5.73E-07	5.20E-07	2.37E-07	2.24E-07	1.07E-08	2.58E-07	5.70E-08	7.79E-08	1.24E-07	2.18E-08	1.48E-08	5.64E-07	2.92E-07	1.24E-07	1.46E-07	5.73E-08	2.92E-07	1.24E-07
462	489663.71	3860950.05	7.88E-04	8.07E-04	7.61E-04	2.73E-07	8.24E-07	4.77E-07	4.88E-07	4.43E-07	2.02E-07	1.91E-07	9.11E-09	2.20E-07	4.86E-08	6.63E-08	1.05E-07	1.85E-08	1.26E-08	4.80E-07	2.49E-07	1.06E-07	1.24E-07	4.88E-08	2.49E-07	1.06E-07
463	489813.71	3860950.05	8.25E-04	8.45E-04	7.97E-04	2.86E-07	8.62E-07	4.99E-07	5.11E-07	4.63E-07	2.11E-07	1.99E-07	9.54E-09	2.30E-07	5.08E-08	6.94E-08	1.10E-07	1.94E-08	1.32E-08	5.03E-07	2.60E-07	1.10E-07	1.30E-07	5.11E-08	2.60E-07	1.10E-07
464	489863.71	3860950.05	8.37E-04	8.57E-04	8.08E-04	2.90E-07	8.75E-07	5.06E-07	5.19E-07	4.70E-07	2.15E-07	2.02E-07	9.67E-09	2.34E-07	5.16E-08	7.04E-08	1.12E-07	1.97E-08	1.33E-08	5.10E-07	2.64E-07	1.12E-07	1.32E-07	5.18E-08	2.64E-07	1.12E-07
465	489913.71	3860950.05	8.50E-04	8.71E-04	8.21E-04	2.94E-07	8.89E-07	5.14E-07	5.27E-07	4.78E-07	2.18E-07	2.06E-07	9.83E-09	2.37E-07	5.24E-08	7.15E-08	1.13E-07	2.00E-08	1.36E-08	5.18E-07	2.68E-07	1.14E-07	1.34E-07	5.26E-08	2.68E-07	1.14E-07
466	489963.71	3860950.05	8.65E-04	8.86E-04	8.36E-04	2.99E-07	9.04E-07	5.23E-07	5.36E-07	4.86E-07	2.22E-07	2.09E-07	1.00E-08	2.41E-07	5.33E-08	7.28E-08	1.15E-07	2.03E-08	1.38E-08	5.27E-07	2.73E-07	1.16E-07	1.36E-07	5.35E-08	2.73E-07	1.16E-07
467	490013.71	3860950.05	8.80E-04	9.01E-04	8.50E-04	3.04E-07	9.19E-07	5.32E-07	5.45E-07	4.94E-07	2.25E-07	2.13E-07	1.02E-08	2.46E-07	5.42E-08	7.40E-08	1.17E-07	2.07E-08	1.40E-08	5.36E-07	2.78E-07	1.18E-07	1.39E-07	5.44E-08	2.78E-07	1.18E-07
468	490063.71	3860950.05	8.94E-04	9.16E-04	8.64E-04	3.10E-07	9.35E-07	5.41E-07	5.54E-07	5.02E-07	2.29E-07	2.16E-07	1.03E-08	2.50E-07	5.51E-08	7.53E-08	1.19E-07	2.10E-08	1.43E-08	5.45E-07	2.82E-07	1.20E-07	1.41E-07	5.54E-08	2.82E-07	1.20E-07
469	489513.71	3861000.05	7.39E-04	7.57E-04	7.14E-04	2.56E-07	7.73E-07	4.47E-07	4.58E-07	4.15E-07	1.90E-07	1.79E-07	8.55E-09	2.06E-07	4.56E-08	6.22E-08	9.87E-08	1.74E-08	1.18E-08	4.51E-07	2.33E-07	9.90E-08	1.16E-07	4.58E-08	2.33E-07	9.90E-08
470	489563.71	3861000.05	7.48E-04	7.66E-04	7.23E-04	2.59E-07	7.82E-07	4.53E-07	4.64E-07	4.20E-07	1.92E-07	1.81E-07	8.65E-09	2.09E-07	4.61E-08	6.30E-08	9.99E-08	1.76E-08	1.19E-08	4.56E-07	2.36E-07	1.00E-07	1.18E-07	4.63E-08	2.36E-07	1.00E-07
471	489613.71	3861000.05	7.59E-04	7.77E-04	7.33E-04	2.63E-07	7.93E-07	4.59E-07	4.70E-07	4.26E-07	1.94E-07	1.83E-07	8.77E-09	2.12E-07	4.67E-08	6.38E-08	1.01E-07	1.78E-08	1.21E-08	4.62E-07	2.39E-07	1.02E-07	1.20E-07	4.69E-08	2.39E-07	1.02E-07
472	489663.71	3861000.05	7.69E-04	7.88E-04	7.43E-04	2.66E-07	8.04E-07	4.65E-07	4.77E-07	4.32E-07	1.97E-07	1.86E-07	8.89E-09	2.15E-07	4.74E-08	6.47E-08	1.03E-07	1.81E-08	1.23E-08	4.69E-07	2.43E-07	1.03E-07	1.21E-07	4.76E-08	2.43E-07	1.03E-07
473	489713.71	3861000.05	7.79E-04	7.98E-04	7.53E-04	2.70E-07	8.14E-07	4.72E-07	4.83E-07	4.38E-07	2.00E-07	1.88E-07	9.01E-09	2.18E-07	4.80E-08	6.56E-08	1.04E-07	1.83E-08	1.24E-08	4.75E-07	2.46E-07	1.04E-07	1.23E-07	4.82E-08	2.46E-07	1.04E-07
474	489763.71	3861000.05	7.90E-04	8.09E-04	7.63E-04	2.73E-07	8.25E-07	4.78E-07	4.89E-07	4.44E-07	2.02E-07	1.91E-07	9.13E-09	2.20E-07	4.86E-08	6.64E-08	1.05E-07	1.86E-08	1.26E-08	4.81E-07	2.49E-07	1.06E-07	1.24E-07	4.89E-08	2.49E-07	1.06E-07
475	489813.71	3861000.05	8.01E-04	8.21E-04	7.74E-04	2.77E-07	8.38E-07	4.85E-07	4.97E-07	4.50E-07	2.05E-07	1.94E-07	9.26E-09	2.24E-07	4.94E-08	6.74E-08	1.07E-07	1.89E-08	1.28E-08	4.88E-07	2.53E-07	1.07E-07	1.26E-07	4.96E-08	2.53E-07	1.07E-07
476	489863.71	3861000.05	8.13E-04	8.33E-04	7.86E-04	2.82E-07	8.50E-07	4.92E-07	5.04E-07	4.57E-07	2.08E-07	1.97E-07	9.40E-09	2.27E-07	5.01E-08	6.84E-08	1.09E-07	1.91E-08	1.30E-08	4.96E-07	2.57E-07	1.09E-07	1.28E-07	5.03E-08	2.57E-07	1.09E-07
477	489913.71	3861000.05	8.26E-04	8.47E-04	7.98E-04	2.86E-07	8.64E-07	5.00E-07	5.12E-07	4.64E-07	2.12E-07	2.00E-07	9.55E-09	2.31E-07	5.09E-08	6.95E-08	1.10E-07	1.94E-08	1.32E-08	5.04E-07	2.61E-07	1.11E-07	1.30E-07	5.12E-08	2.61E-07	1.11E-07
478	489963.71	3861000.05	8.38E-04	8.59E-04	8.10E-04	2.90E-07	8.76E-07	5.07E-07	5.20E-07	4.71E-07	2.15E-07	2.03E-07	9.69E-09	2.34E-07	5.17E-08	7.05E-08	1.12E-07	1.97E-08	1.34E-08	5.11E-07	2.65E-07	1.12E-07	1.32E-07	5.19E-08	2.65E-07	1.12E-07
479	490013.71	3861000.05	8.53E-04	8.74E-04	8.24E-04	2.95E-07	8.92E-07	5.16E-07	5.29E-07	4.79E-07	2.19E-07	2.06E-07	9.86E-09	2.38E-07	5.26E-08	7.18E-08	1.14E-07	2.01E-08	1.36E-08	5.20E-07	2.69E-07	1.14E-07	1.34E-07	5.28E-08	2.69E-07	1.14E-07
480	490063.71	3861000.05	8.66E-04	8.87E-04	8.37E-04	3.00E-07	9.06E-07	5.24E-07	5.37E-07	4.87E-07	2.22E-07	2.09E-07	1.00E-08	2.42E-07	5.34E-08	7.29E-08	1.16E-07	2.04E-08	1.38E-08	5.28E-07	2.73E-07	1.16E-07	1.36E-07	5.36E-08	2.73E-07	1.16E-07
481	489513.71	3861050.05	7.23E-04	7.41E-04	6.99E-04	2.50E-07	7.56E-07	4.38E-07	4.48E-07	4.06E-07	1.85E-07	1.75E-07	8.36E-09	2.02E-07	4.46E-08	6.08E-08	9.65E-08	1.70E-08	1.15E-08	4.41E-07	2.28E-07	9.68E-08	1.14E-07	4.48E-08	2.28E-07	9.68E-08
482	489563.71	3861050.05	7.31E-04	7.48E-04	7.06E-04	2.53E-07	7.64E-07	4.42E-07	4.53E-07	4.10E-07	1.87E-07	1.77E-07	8.44E-09	2.04E-07	4.50E-08	6.15E-08	9.75E-08	1.72E-08	1.17E-08	4.45E-07	2.31E-07	9.78E-08	1.15E-07	4.52E-08	2.31E-07	9.78E-08
483	489613.71	3861050.05	7.41E-04	7.59E-04	7.16E-04	2.56E-07	7.74E-07	4.48E-07	4.59E-07	4.16E-07	1.90E-07	1.79E-07	8.56E-09	2.07E-07	4.56E-08	6.23E-08	9.89E-08	1.74E-08	1.18E-08	4.52E-07	2.34E-07	9.92E-08	1.17E-07	4.59E-08	2.34E-07	9.92E-08
484	489663.71	3861050.05	7.50E-04	7.68E-04	7.24E-04	2.60E-07	7.84E-07	4.54E-07	4.65E-07	4.21E-07	1.92E-07	1.81E-07	8.67E-09	2.09E-07	4.62E-08	6.31E-08	1.00E-07	1.76E-08	1.20E-08	4.57E-07	2.37E-07	1.00E-07	1.18E-07	4.64E-08	2.37E-07	1.00E-07
485	489713.71	3861050.05	7.59E-04	7.77E-04	7.33E-04	2.63E-07	7.93E-07	4.59E-07	4.70E-07	4.26E-07	1.94E-07	1.83E-07	8.77E-09	2.12E-07	4.67E-08	6.38E-08	1.01E-07	1.78E-08	1.21E-08	4.62E-07	2.39E-07	1.02E-07	1.20E-07	4.69E-08	2.39E-07	1.02E-07
486	489763.71	3861050.05	7.69E-04	7.88E-04	7.43E-04	2.66E-07	8.04E-07	4.65E-07	4.77E-07	4.32E-07	1.97E-07	1.86E-07	8.89E-09	2.15E-07	4.74E-08	6.47E-08	1.03E-07	1.81E-08	1.23E-08	4.69E-07	2.43E-07	1.03E-07	1.21E-07	4.76E-08	2.43E-07	1.03E-07
487	489813.71	3861050.05	7.81E-04	8.00E-04	7.54E-04	2.70E-07	8.16E-07	4.72E-07	4.84E-07	4.39E-07	2.00E-07	1.89E-07	9.02E-09	2.18E-07	4.81E-08	6.57E-08	1.04E-07	1.84E-08	1.25E-08	4.76E-07	2.46E-07	1.05E-07	1.23E-07	4.83E-08	2.46E-07	1.05E-07
488	489863.71	3861050.05	7.91E-04	8.10E-04	7.64E-04	2.74E-07	8.27E-07	4.79E-07	4.90E-07	4.44E-07	2.03E-07	1.91E-07	9.14E-09	2.21E-07	4.87E-08	6.66E-08	1.06E-07	1.86E-08	1.26E-08	4.82E-07	2.50E-07	1.06E-07	1.25E-07	4.90E-08	2.50E-07	1.06E-07
489	489913.71	3861050.05	8.03E-04	8.22E-04	7.76E-04	2.78E-07	8.39E-07	4.86E-07	4.98E-07	4.51E-07	2.06E-07	1.94E-07	9.28E-09	2.24E-07	4.95E-08	6.76E-08	1.07E-07	1.89E-08	1.28E-08	4.89E-07	2.53E-07	1.08E-07	1.26E-07	4.97E-08	2.53E-07	1.08E-07
490	489963.71	3861050.05	8.15E-04	8.34E-04	7.87E-04	2.82E-07	8.52E-07	4.93E-07	5.05E-07	4.58E-07	2.09E-07	1.97E-07	9.42E-09	2.27E-07	5.02E-08	6.85E-08	1.09E-07	1.92E-08	1.30E-08	4.97E-07	2.57E-07	1.09E-07	1.28E-07	5.04E-08	2.57E-07	1.09E-07
491	490013.71	3861050.05	8.28E-04	8.48E-04	8.00E-04	2.87E-07	8.65E-07	5.01E-07	5.13E-07	4.65E-07	2.12E-07	2.00E-07	9.57E-09	2.31E-07	5.10E-08	6.97E-08	1.11E-07	1.95E-08	1.32E-08	5.05E-07	2.61E-07	1.11E-07	1.30E-07	5.12E-08	2.61E-07	1.11E-07
492	490063.71	3861050.05	8.41E-04	8.62E-04	8.13E-04	2.91E-07	8.79E-07	5.09E-07	5.21E-07	4.73E-07	2.16E-07	2.03E-07	9.72E-09	2.35E-07	5.18E-08	7.08E-08	1.12E-07	1.98E-08	1.34E-08	5.13E-07	2.66E-07	1.13E-07	1.33E-07	5.21E-08	2.66E-07	1.13E-07
493	489513.71	3861100.05	7.07E-04	7.24E-04	6.83E-04	2.45E-07	7.39E-07	4.28E-07	4.38E-07	3.97E-07	1.81E-07	1.71E-07	8.17E-09	1.97E-07	4.36E-08	5.95E-08	9.44E-08	1.66E-08	1.13E-08	4.31E-07	2.23E-07	9.47E-08	1.11E-07	4.38E-08	2.23E-07	9.47E-08
494	489563.71	3861100.05	7.14E-04	7.32E-04	6.90E-04	2.47E-07	7.47E-07	4.32E-07	4.43E-07	4.01E-07	1.83E-07	1.73E-07	8.26E-09	1.99E-07	4.40E-08	6.01E-08	9.53E-08	1.68E-08	1.14E-08	4.35E-07	2.25E-07	9.57E-08	1.13E-07	4.42E-08	2.25E-07	9.57E-08
495	489613.71	3861100.05	7.22E-04	7.39E-04	6.97E-04	2.50E-07	7.54E-07	4.37E-07	4.47E-07	4.05E-07	1.85E-07	1.75E-07	8.34E-09	2.02E-07	4.45E-08	6.07E-08	9.63E-08	1.70E-08	1.15E-08	4.40E-07	2.28E-07	9.66E-08	1.14E-07	4.47E-08	2.28E-07	9.66E-08
496	489663.71	3861100.05	7.31E-04	7.48E-04	7.06E-04	2.53E-07	7.64E-07	4.42E-07	4.53E-07	4.10E-07	1.87E-07	1.77E-07	8.44E-09	2.04E-07	4.50E-08	6.15E-08	9.75E-08	1.72E-08	1.17E-08	4.45E-07	2.31E-07	9.78E-08	1.15E-07	4.52E-08	2.31E-07	9.78E-08
497	489713.71	3861100.05	7.39E-04	7.57E-04	7.14E-04	2.56E-07	7.73E-07	4.47E-07	4.58E-07	4.15E-07	1.90E-07	1.79E-07	8.55E-09	2.06E-07	4.56E-08	6.22E-08	9.87E-08	1.74E-08	1.18E-08	4.51E-07	2.33E-07	9.90E-08	1.16E-07	4.58E-08	2.33E-07	9.90E-08
498	489763.71	3861100.05	7.50E-04	7.68E-04	7.24E-04	2.60E-07	7.84E-07	4.54E-07	4.65E-07	4.21E-07	1.92E-07	1.81E-07	8.67E-09	2.09E-07	4.62E-08	6.31E-08	1.00E-07	1.76E-08	1.20E-08	4.57E-07	2.37E-07	1.00E-07	1.18E-07	4.64E-08	2.37E-07	1.00E-07
499	489813.71	3861100.05	7.60E-04	7.78E-04	7.34E-04	2.63E-07	7.94E-07	4.60E-07	4.71E-07	4.27E-07	1.95E-07	1.84E-07	8.79E-09	2.12E-07	4.68E-08	6.40E-08	1.01E-07	1.79E-08	1.21E-08	4.63E-07	2.40E-07	1.02E-07	1.20E-07	4.70E-08	2.40E-07	1.02E-07
500	489863.71	3861100.05	7.70E-04	7.89E-04	7.44E-04	2.67E-07	8.05E-07	4.66E-07	4.77E-07	4.33E-07	1.97E-07	1.86E-07	8.91E-09	2.15E-07	4.75E-08	6.48E-08	1.03E-07	1.81E-08	1.23E-08	4.70E-07	2.43E-07	1.03E-07	1.21E-07	4.77E-08	2.43E-07	1.03E-07
501	489913.71	3861100.05	7.81E-04	8.00E-04	7.54E-04	2.70E-07	8.16E-07	4.72E-07	4.84E-07	4.39E-07	2.00E-07	1.89E-07	9.02E-09	2.18E-07	4.81E-08	6.57E-08	1.04E-07	1.84E-08	1.25E-08	4.76E-07	2.46E-07	1.05E-07	1.23E-07	4.83E-08	2.46E-07	1.05E-07
502	489963.71	3861100.05	7.93E-04	8.12E-04	7.66E-04	2.74E-07	8.28E-07	4.80E-07	4.91E-07	4.45E-07	2.03E-07	1.92E-07	9.16E-09	2.21E-07	4.88E-08	6.67E-08	1.06E-07	1.86E-08	1.26E-08	4.83E-07	2.50E-07	1.06E-07	1.25E-07	4.90E-08	2.50E-07	1.06E-07
503	490013.71	3861100.05	8.04E-04	8.24E-04	7.77E-04	2.78E-07	8.41E-07	4.87E-07	4.98E-07	4.52E-07	2.06E-07	1.94E-07	9.30E-09	2.25E-07	4.96E-08	6.77E-08	1.07E-07	1.89E-08	1.28E-08	4.90E-07	2.54E-07	1.08E-07	1.27E-07	4.98E-08	2.54E-07	1.08E-07
504	490063.71	3861100.05	8.18E-04	8.37E-04	7.90E-04	2.83E-07	8.55E-07	4.95E-07	5.07E-07	4.59E-07	2.10E-07	1.98E-07	9.45E-09	2.28E-07	5.04E-08	6.88E-08	1.09E-07	1.92E-08	1.30E-08	4.98E-07	2.58E-07	1.09E-07	1.29E-07	5.06E-08	2.58E-07	1.09E-07
505	489713.71	3861150.05	7.22E-04	7.39E-04	6.97E-04	2.50E-07	7.54E-07	4.37E-07	4.47E-07	4.05E-07	1.85E-07	1.75E-07	8.34E-09	2.02E-07	4.45E-08	6.07E-08	9.63E-08	1.70E-08	1.15E-08	4.40E-07	2.28E-07	9.66E-08	1.14E-07	4.47E-08	2.28E-07	9.66E-08
506	489763.71	3861150.05	7.31E-04	7.48E-04	7.06E-04	2.53E-07	7.64E-07	4.42E-07	4.53E-07	4.10E-07	1.87E-07	1.77E-07	8.44E-09	2.04E-07	4.50E-08	6.15E-08	9.75E-08	1.72E-08	1.17E-08	4.45E-07	2.31E-07	9.78E-08	1.15E-07	4.52E-08	2.31E-07	9.78E-08
507	489813.71	3861150.05	7.41E-04	7.59E-04	7.16E-04	2.56E-07	7.74E-07	4.48E-07	4.59E-07	4.16E-07	1.90E-07	1.79E-07	8.56E-09	2.07E-07	4.56E-08	6.23E-08	9.89E-08	1.74E-08	1.18E-08	4.52E-07	2.34E-07	9.92E-08	1.17E-07	4.59E-08	2.34E-07	9.92E-08
508	489863.71	3861150.05	7.50E-04	7.68E-04	7.24E-04	2.60E-07	7.84E-07	4.54E-07	4.65E-07	4.21E-07	1.92E-07	1.81E-07	8.67E-09	2.09E-07	4.62E-08	6.31E-08	1.00E-07	1.76E-08	1.20E-08	4.57E-07	2.37E-07	1.00E-07	1.18E-07	4.64E-08	2.37E-07	1.00E-07
509	489913.71	3861150.05	7.60E-04	7.78E-04	7.34E-04	2.63E-07	7.94E-07	4.60E-07	4.71E-07	4.27E-07	1.95E-07	1.84E-07	8.79E-09	2.12E-07	4.68E-08	6.40E-08	1.01E-07	1.79E-08	1.21E-08	4.63E-07	2.40E-07	1.02E-07	1.20E-07	4.70E-08	2.40E-07	1.02E-07
510	489963.71	3861150.05	7.72E-04	7.91E-04	7.46E-04	2.67E-07	8.07E-07	4.67E-07	4.78E-07	4.34E-07	1.98E-07	1.87E-07	8.92E-09	2.16E-07	4.76E-08	6.49E-08	1.03E-07	1.82E-08	1.23E-08	4.70E-07	2.44E-07	1.03E-07	1.22E-07	4.78E-08	2.44E-07	1.03E-07
511	490013.71	3861150.05	7.82E-04	8.01E-04	7.56E-04	2.71E-07	8.18E-07	4.73E-07	4.85E-07	4.39E-07	2.01E-07	1.89E-07	9.04E-09	2.18E-07	4.82E-08	6.58E-08	1.04E-07	1.84E-08	1.25E-08	4.77E-07	2.47E-07	1.05E-07	1.23E-07	4.84E-08	2.47E-07	1.05E-07
512	490063.71	3861150.05	7.94E-04	8.13E-04	7.67E-04	2.75E-07	8.30E-07	4.80E-07	4.92E-07	4.46E-07	2.04E-07	1.92E-07	9.18E-09	2.22E-07	4.89E-08	6.68E-08	1.06E-07	1.87E-08	1.27E-08	4.84E-07	2.51E-07	1.06E-07	1.25E-07	4.91E-08	2.51E-07	1.06E-07
513	489613.71	3861200.05	6.88E-04	7.04E-04	6.64E-04	2.38E-07	7.19E-07	4.16E-07	4.26E-07	3.86E-07	1.76E-07	1.66E-07	7.95E-09	1.92E-07	4.24E-08	5.79E-08	9.18E-08	1.62E-08	1.10E-08	4.19E-07	2.17E-07	9.21E-08	1.08E-07	4.26E-08	2.17E-07	9.21E-08
514	489663.71	3861200.05	6.97E-04	7.13E-04	6.73E-04	2.41E-07	7.28E-07	4.21E-07	4.32E-07	3.91E-07	1.79E-07	1.68E-07	8.05E-09	1.95E-07	4.29E-08	5.86E-08	9.30E-08	1.64E-08	1.11E-08	4.25E-07	2.20E-07	9.33E-08	1.10E-07	4.31E-08	2.20E-07	9.33E-08
515	489713.71	3861200.05	7.04E-04	7.21E-04	6.80E-04	2.44E-07	7.36E-07	4.26E-07	4.36E-07	3.95E-07	1.80E-07	1.70E-07	8.14E-09	1.97E-07	4.34E-08	5.92E-08	9.40E-08	1.66E-08	1.12E-08	4.29E-07	2.22E-07	9.43E-08	1.11E-07	4.36E-08	2.22E-07	9.43E-08
516	489763.71	3861200.05	7.13E-04	7.30E-04	6.89E-04	2.47E-07	7.45E-07	4.31E-07	4.42E-07	4.00E-07	1.83E-07	1.72E-07	8.24E-09	1.99E-07	4.39E-08	6.00E-08	9.52E-08	1.68E-08	1.14E-08	4.34E-07	2.25E-07	9.55E-08	1.12E-07	4.41E-08	2.25E-07	9.55E-08
517	489813.71	3861200.05	7.22E-04	7.39E-04	6.97E-04	2.50E-07	7.54E-07	4.37E-07	4.47E-07	4.05E-07	1.85E-07	1.75E-07	8.34E-09	2.02E-07	4.45E-08	6.07E-08	9.63E-08	1.70E-08	1.15E-08	4.40E-07	2.28E-07	9.66E-08	1.14E-07	4.47E-08	2.28E-07	9.66E-08
518	489863.71	3861200.05	7.32E-04	7.50E-04	7.07E-04	2.53E-07	7.65E-07	4.43E-07	4.54E-07	4.11E-07	1.88E-07	1.77E-07	8.46E-09	2.04E-07	4.51E-08	6.16E-08	9.77E-08	1.72E-08	1.17E-08	4.46E-07	2.31E-07	9.80E-08	1.15E-07	4.53E-08	2.31E-07	9.80E-08
519	489913.71	3861200.05	7.41E-04	7.59E-04	7.16E-04	2.56E-07	7.74E-07	4.48E-07	4.59E-07	4.16E-07	1.90E-07	1.79E-07	8.56E-09	2.07E-07	4.56E-08	6.23E-08	9.89E-08	1.74E-08	1.18E-08	4.52E-07	2.34E-07	9.92E-08	1.17E-07	4.59E-08	2.34E-07	9.92E-08
520	489963.71	3861200.05	7.51E-04	7.69E-04	7.26E-04	2.60E-07	7.85E-07	4.55E-07	4.66E-07	4.22E-07	1.93E-07	1.82E-07	8.68E-09	2.10E-07	4.63E-08	6.32E-08	1.00E-07	1.77E-08	1.20E-08	4.58E-07	2.37E-07	1.01E-07	1.18E-07	4.65E-08	2.37E-07	1.01E-07
521	490013.71	3861200.05	7.62E-04	7.80E-04	7.36E-04	2.64E-07	7.96E-07	4.61E-07	4.72E-07	4.28E-07	1.95E-07	1.84E-07	8.80E-09	2.13E-07	4.69E-08	6.41E-08	1.02E-07	1.79E-08	1.21E-08	4.64E-07	2.40E-07	1.02E-07	1.20E-07	4.71E-08	2.40E-07	1.02E-07
522	490063.71	3861200.05	7.73E-04	7.92E-04	7.47E-04	2.68E-07	8.08E-07	4.68E-07	4.79E-07	4.34E-07	1.98E-07	1.87E-07	8.94E-09	2.16E-07	4.76E-08	6.51E-08	1.03E-07	1.82E-08	1.23E-08	4.71E-07	2.44E-07	1.04E-07	1.22E-07	4.79E-08	2.44E-07	1.04E-07
523	489513.71	3861250.05	6.58E-04	6.74E-04	6.36E-04	2.28E-07	6.88E-07	3.98E-07	4.08E-07	3.70E-07	1.69E-07	1.59E-07	7.61E-09	1.84E-07	4.06E-08	5.54E-08	8.79E-08	1.55E-08	1.05E-08	4.01E-07	2.08E-07	8.81E-08	1.04E-07	4.07E-08	2.08E-07	8.81E-08
524	489563.71	3861250.05	6.66E-04	6.82E-04	6.43E-04	2.30E-07	6.96E-07	4.03E-07	4.13E-07	3.74E-07	1.71E-07	1.61E-07	7.69E-09	1.86E-07	4.10E-08	5.60E-08	8.88E-08	1.57E-08	1.06E-08	4.06E-07	2.10E-07	8.91E-08	1.05E-07	4.12E-08	2.10E-07	8.91E-08
525	489613.71	3861250.05	6.73E-04	6.89E-04	6.50E-04	2.33E-07	7.03E-07	4.07E-07	4.17E-07	3.78E-07	1.73E-07	1.63E-07	7.78E-09	1.88E-07	4.15E-08	5.66E-08	8.98E-08	1.58E-08	1.07E-08	4.10E-07	2.12E-07	9.01E-08	1.06E-07	4.17E-08	2.12E-07	9.01E-08
526	489663.71	3861250.05	6.80E-04	6.97E-04	6.57E-04	2.36E-07	7.11E-07	4.12E-07	4.22E-07	3.82E-07	1.74E-07	1.65E-07	7.86E-09	1.90E-07	4.19E-08	5.72E-08	9.08E-08	1.60E-08	1.09E-08	4.15E-07	2.15E-07	9.11E-08	1.07E-07	4.21E-08	2.15E-07	9.11E-08
527	489713.71	3861250.05	6.88E-04	7.04E-04	6.64E-04	2.38E-07	7.19E-07	4.16E-07	4.26E-07	3.86E-07	1.76E-07	1.66E-07	7.95E-09	1.92E-07	4.24E-08	5.79E-08	9.18E-08	1.62E-08	1.10E-08	4.19E-07	2.17E-07	9.21E-08	1.08E-07	4.26E-08	2.17E-07	9.21E-08
528	489763.71	3861250.05	6.97E-04	7.13E-04	6.73E-04	2.41E-07	7.28E-07	4.21E-07	4.32E-07	3.91E-07	1.79E-07	1.68E-07	8.05E-09	1.95E-07	4.29E-08	5.86E-08	9.30E-08	1.64E-08	1.11E-08	4.25E-07	2.20E-07	9.33E-08	1.10E-07	4.31E-08	2.20E-07	9.33E-08
529	489813.71	3861250.05	7.05E-04	7.23E-04	6.82E-04	2.44E-07	7.37E-07	4.27E-07	4.37E-07	3.96E-07	1.81E-07	1.71E-07	8.15E-09	1.97E-07	4.35E-08	5.94E-08	9.42E-08	1.66E-08	1.13E-08	4.30E-07	2.23E-07	9.45E-08	1.11E-07	4.37E-08	2.23E-07	9.45E-08
530	489863.71	3861250.05	7.14E-04	7.32E-04	6.90E-04	2.47E-07	7.47E-07	4.32E-07	4.43E-07	4.01E-07	1.83E-07	1.73E-07	8.26E-09	1.99E-07	4.40E-08	6.01E-08	9.53E-08	1.68E-08	1.14E-08	4.35E-07	2.25E-07	9.57E-08	1.13E-07	4.42E-08	2.25E-07	9.57E-08
531	489913.71	3861250.05	7.23E-04	7.41E-04	6.99E-04	2.50E-07	7.56E-07	4.38E-07	4.48E-07	4.06E-07	1.85E-07	1.75E-07	8.36E-09	2.02E-07	4.46E-08	6.08E-08	9.65E-08	1.70E-08	1.15E-08	4.41E-07	2.28E-07	9.68E-08	1.14E-07	4.48E-08	2.28E-07	9.68E-08
532	489963.71	3861250.05	7.32E-04	7.50E-04	7.07E-04	2.53E-07	7.65E-07	4.43E-07	4.54E-07	4.11E-07	1.88E-07	1.77E-07	8.46E-09	2.04E-07	4.51E-08	6.16E-08	9.77E-08	1.72E-08	1.17E-08	4.46E-07	2.31E-07	9.80E-08	1.15E-07	4.53E-08	2.31E-07	9.80E-08

533	490013.71	3861250.05	7.42E-04	7.60E-04	7.17E-04	2.57E-07	7.76E-07	4.49E-07	4.60E-07	4.17E-07	1.90E-07	1.79E-07	8.58E-09	2.07E-07	4.57E-08	6.25E-08	9.91E-08	1.75E-08	1.18E-08	4.52E-07	2.34E-07	9.94E-08	1.17E-07	4.59E-08	2.34E-07	9.94E-08
534	490063.71	3861250.05	7.53E-04	7.71E-04	7.27E-04	2.61E-07	7.87E-07	4.55E-07	4.66E-07	4.23E-07	1.93E-07	1.82E-07	8.70E-09	2.10E-07	4.64E-08	6.33E-08	1.00E-07	1.77E-08	1.20E-08	4.59E-07	2.38E-07	1.01E-07	1.19E-07	4.66E-08	2.38E-07	1.01E-07
535	489528.13	3861308.47	6.45E-04	6.61E-04	6.23E-04	2.23E-07	6.74E-07	3.90E-07	4.00E-07	3.62E-07	1.65E-07	1.56E-07	7.46E-09	1.80E-07	3.97E-08	5.43E-08	8.61E-08	1.52E-08	1.03E-08	3.93E-07	2.04E-07	8.64E-08	1.02E-07	3.99E-08	2.04E-07	8.64E-08
536	489578.13	3861308.47	6.51E-04	6.67E-04	6.29E-04	2.25E-07	6.80E-07	3.94E-07	4.03E-07	3.66E-07	1.67E-07	1.57E-07	7.52E-09	1.82E-07	4.01E-08	5.48E-08	8.69E-08	1.53E-08	1.04E-08	3.97E-07	2.05E-07	8.72E-08	1.03E-07	4.03E-08	2.05E-07	8.72E-08
537	489628.13	3861308.47	6.58E-04	6.74E-04	6.36E-04	2.28E-07	6.88E-07	3.98E-07	4.08E-07	3.70E-07	1.69E-07	1.59E-07	7.61E-09	1.84E-07	4.06E-08	5.54E-08	8.79E-08	1.55E-08	1.05E-08	4.01E-07	2.08E-07	8.81E-08	1.04E-07	4.07E-08	2.08E-07	8.81E-08
538	489678.13	3861308.47	6.64E-04	6.80E-04	6.42E-04	2.30E-07	6.94E-07	4.02E-07	4.12E-07	3.73E-07	1.70E-07	1.61E-07	7.68E-09	1.85E-07	4.09E-08	5.59E-08	8.86E-08	1.56E-08	1.06E-08	4.05E-07	2.10E-07	8.89E-08	1.05E-07	4.11E-08	2.10E-07	8.89E-08
539	489728.13	3861308.47	6.73E-04	6.89E-04	6.50E-04	2.33E-07	7.03E-07	4.07E-07	4.17E-07	3.78E-07	1.73E-07	1.63E-07	7.78E-09	1.88E-07	4.15E-08	5.66E-08	8.98E-08	1.58E-08	1.07E-08	4.10E-07	2.12E-07	9.01E-08	1.06E-07	4.17E-08	2.12E-07	9.01E-08
540	489778.13	3861308.47	6.80E-04	6.97E-04	6.57E-04	2.36E-07	7.11E-07	4.12E-07	4.22E-07	3.82E-07	1.74E-07	1.65E-07	7.86E-09	1.90E-07	4.19E-08	5.72E-08	9.08E-08	1.60E-08	1.09E-08	4.15E-07	2.15E-07	9.11E-08	1.07E-07	4.21E-08	2.15E-07	9.11E-08
541	489678.13	3861358.47	6.51E-04	6.67E-04	6.29E-04	2.25E-07	6.80E-07	3.94E-07	4.03E-07	3.66E-07	1.67E-07	1.57E-07	7.52E-09	1.82E-07	4.01E-08	5.48E-08	8.69E-08	1.53E-08	1.04E-08	3.97E-07	2.05E-07	8.72E-08	1.03E-07	4.03E-08	2.05E-07	8.72E-08
542	489728.13	3861358.47	6.57E-04	6.73E-04	6.35E-04	2.27E-07	6.86E-07	3.97E-07	4.07E-07	3.69E-07	1.68E-07	1.59E-07	7.59E-09	1.83E-07	4.05E-08	5.53E-08	8.77E-08	1.54E-08	1.05E-08	4.00E-07	2.07E-07	8.79E-08	1.03E-07	4.06E-08	2.07E-07	8.79E-08
543	489528.13	3861408.47	6.18E-04	6.33E-04	5.97E-04	2.14E-07	6.46E-07	3.74E-07	3.83E-07	3.47E-07	1.59E-07	1.50E-07	7.15E-09	1.73E-07	3.81E-08	5.20E-08	8.25E-08	1.45E-08	9.86E-09	3.77E-07	1.95E-07	8.28E-08	9.74E-08	3.83E-08	1.95E-07	8.28E-08
544	489578.13	3861408.47	6.24E-04	6.39E-04	6.03E-04	2.16E-07	6.53E-07	3.78E-07	3.87E-07	3.51E-07	1.60E-07	1.51E-07	7.22E-09	1.74E-07	3.85E-08	5.25E-08	8.33E-08	1.47E-08	9.96E-09	3.80E-07	1.97E-07	8.36E-08	9.83E-08	3.86E-08	1.97E-07	8.36E-08
545	489628.13	3861408.47	6.30E-04	6.45E-04	6.09E-04	2.18E-07	6.59E-07	3.81E-07	3.91E-07	3.54E-07	1.62E-07	1.52E-07	7.28E-09	1.76E-07	3.88E-08	5.30E-08	8.41E-08	1.48E-08	1.01E-08	3.84E-07	1.99E-07	8.44E-08	9.93E-08	3.90E-08	1.99E-07	8.44E-08
546	489678.13	3861408.47	6.36E-04	6.52E-04	6.15E-04	2.20E-07	6.65E-07	3.85E-07	3.94E-07	3.57E-07	1.63E-07	1.54E-07	7.35E-09	1.78E-07	3.92E-08	5.35E-08	8.49E-08	1.50E-08	1.01E-08	3.88E-07	2.01E-07	8.52E-08	1.00E-07	3.94E-08	2.01E-07	8.52E-08
547	489728.13	3861408.47	6.43E-04	6.59E-04	6.22E-04	2.23E-07	6.73E-07	3.89E-07	3.99E-07	3.61E-07	1.65E-07	1.56E-07	7.44E-09	1.80E-07	3.96E-08	5.41E-08	8.59E-08	1.51E-08	1.03E-08	3.92E-07	2.03E-07	8.62E-08	1.01E-07	3.98E-08	2.03E-07	8.62E-08
548	489528.13	3861458.47	6.07E-04	6.21E-04	5.86E-04	2.10E-07	6.34E-07	3.67E-07	3.76E-07	3.41E-07	1.55E-07	1.47E-07	7.01E-09	1.69E-07	3.74E-08	5.10E-08	8.10E-08	1.43E-08	9.67E-09	3.70E-07	1.91E-07	8.12E-08	9.56E-08	3.75E-08	1.91E-07	8.12E-08
549	489578.13	3861458.47	6.12E-04	6.27E-04	5.92E-04	2.12E-07	6.40E-07	3.71E-07	3.80E-07	3.44E-07	1.57E-07	1.48E-07	7.08E-09	1.71E-07	3.77E-08	5.15E-08	8.18E-08	1.44E-08	9.77E-09	3.73E-07	1.93E-07	8.20E-08	9.65E-08	3.79E-08	1.93E-07	8.20E-08
550	489628.13	3861458.47	6.18E-04	6.33E-04	5.97E-04	2.14E-07	6.46E-07	3.74E-07	3.83E-07	3.47E-07	1.59E-07	1.50E-07	7.15E-09	1.73E-07	3.81E-08	5.20E-08	8.25E-08	1.45E-08	9.86E-09	3.77E-07	1.95E-07	8.28E-08	9.74E-08	3.83E-08	1.95E-07	8.28E-08
551	489678.13	3861458.47	6.24E-04	6.39E-04	6.03E-04	2.16E-07	6.53E-07	3.78E-07	3.87E-07	3.51E-07	1.60E-07	1.51E-07	7.22E-09	1.74E-07	3.85E-08	5.25E-08	8.33E-08	1.47E-08	9.96E-09	3.80E-07	1.97E-07	8.36E-08	9.83E-08	3.86E-08	1.97E-07	8.36E-08
552	489728.13	3861458.47	6.30E-04	6.45E-04	6.09E-04	2.18E-07	6.59E-07	3.81E-07	3.91E-07	3.54E-07	1.62E-07	1.52E-07	7.28E-09	1.76E-07	3.88E-08	5.30E-08	8.41E-08	1.48E-08	1.01E-08	3.84E-07	1.99E-07	8.44E-08	9.93E-08	3.90E-08	1.99E-07	8.44E-08
553	489528.13	3861508.47	5.95E-04	6.09E-04	5.75E-04	2.06E-07	6.22E-07	3.60E-07	3.69E-07	3.34E-07	1.52E-07	1.44E-07	6.88E-09	1.66E-07	3.66E-08	5.00E-08	7.94E-08	1.40E-08	9.49E-09	3.63E-07	1.88E-07	7.96E-08	9.37E-08	3.68E-08	1.88E-07	7.96E-08
554	489578.13	3861508.47	6.01E-04	6.15E-04	5.80E-04	2.08E-07	6.28E-07	3.63E-07	3.72E-07	3.37E-07	1.54E-07	1.45E-07	6.94E-09	1.68E-07	3.70E-08	5.05E-08	8.02E-08	1.41E-08	9.58E-09	3.66E-07	1.90E-07	8.04E-08	9.46E-08	3.72E-08	1.90E-07	8.04E-08
555	489628.13	3861508.47	6.07E-04	6.21E-04	5.86E-04	2.10E-07	6.34E-07	3.67E-07	3.76E-07	3.41E-07	1.55E-07	1.47E-07	7.01E-09	1.69E-07	3.74E-08	5.10E-08	8.10E-08	1.43E-08	9.67E-09	3.70E-07	1.91E-07	8.12E-08	9.56E-08	3.75E-08	1.91E-07	8.12E-08
556	489678.13	3861508.47	6.11E-04	6.26E-04	5.90E-04	2.12E-07	6.39E-07	3.70E-07	3.79E-07	3.43E-07	1.57E-07	1.48E-07	7.06E-09	1.71E-07	3.76E-08	5.14E-08	8.16E-08	1.44E-08	9.74E-09	3.72E-07	1.93E-07	8.18E-08	9.63E-08	3.78E-08	1.93E-07	8.18E-08
557	489728.13	3861508.47	6.17E-04	6.32E-04	5.96E-04	2.14E-07	6.45E-07	3.73E-07	3.82E-07	3.47E-07	1.58E-07	1.49E-07	7.13E-09	1.72E-07	3.80E-08	5.19E-08	8.23E-08	1.45E-08	9.84E-09	3.76E-07	1.95E-07	8.26E-08	9.72E-08	3.82E-08	1.95E-07	8.26E-08
558	489628.13	3861558.47	5.95E-04	6.09E-04	5.75E-04	2.06E-07	6.22E-07	3.60E-07	3.69E-07	3.34E-07	1.52E-07	1.44E-07	6.88E-09	1.66E-07	3.66E-08	5.00E-08	7.94E-08	1.40E-08	9.49E-09	3.63E-07	1.88E-07	7.96E-08	9.37E-08	3.68E-08	1.88E-07	7.96E-08
559	489678.13	3861558.47	6.01E-04	6.15E-04	5.80E-04	2.08E-07	6.28E-07	3.63E-07	3.72E-07	3.37E-07	1.54E-07	1.45E-07	6.94E-09	1.68E-07	3.70E-08	5.05E-08	8.02E-08	1.41E-08	9.58E-09	3.66E-07	1.90E-07	8.04E-08	9.46E-08	3.72E-08	1.90E-07	8.04E-08
560	489728.13	3861558.47	6.07E-04	6.21E-04	5.86E-04	2.10E-07	6.34E-07	3.67E-07	3.76E-07	3.41E-07	1.55E-07	1.47E-07	7.01E-09	1.69E-07	3.74E-08	5.10E-08	8.10E-08	1.43E-08	9.67E-09	3.70E-07	1.91E-07	8.12E-08	9.56E-08	3.75E-08	1.91E-07	8.12E-08
561	489357.08	3861015.81	7.08E-04	7.26E-04	6.84E-04	2.45E-07	7.40E-07	4.29E-07	4.39E-07	3.98E-07	1.82E-07	1.71E-07	8.19E-09	1.98E-07	4.36E-08	5.96E-08	9.46E-08	1.67E-08	1.13E-08	4.32E-07	2.24E-07	9.49E-08	1.12E-07	4.38E-08	2.24E-07	9.49E-08
562	489407.08	3861015.81	7.16E-04	7.33E-04	6.92E-04	2.48E-07	7.48E-07	4.33E-07	4.44E-07	4.02E-07	1.83E-07	1.73E-07	8.27E-09	2.00E-07	4.41E-08	6.02E-08	9.55E-08	1.68E-08	1.14E-08	4.36E-07	2.26E-07	9.59E-08	1.13E-07	4.43E-08	2.26E-07	9.59E-08
563	489457.08	3861015.81	7.23E-04	7.41E-04	6.99E-04	2.50E-07	7.56E-07	4.38E-07	4.48E-07	4.06E-07	1.85E-07	1.75E-07	8.36E-09	2.02E-07	4.46E-08	6.08E-08	9.65E-08	1.70E-08	1.15E-08	4.41E-07	2.28E-07	9.68E-08	1.14E-07	4.48E-08	2.28E-07	9.68E-08
564	489357.08	3861065.81	6.94E-04	7.10E-04	6.70E-04	2.40E-07	7.25E-07	4.20E-07	4.30E-07	3.90E-07	1.78E-07	1.68E-07	8.02E-09	1.94E-07	4.27E-08	5.84E-08	9.26E-08	1.63E-08	1.11E-08	4.23E-07	2.19E-07	9.29E-08	1.09E-07	4.29E-08	2.19E-07	9.29E-08
565	489407.08	3861065.81	7.00E-04	7.17E-04	6.76E-04	2.42E-07	7.31E-07	4.23E-07	4.34E-07	3.93E-07	1.79E-07	1.69E-07	8.09E-09	1.95E-07	4.31E-08	5.89E-08	9.34E-08	1.65E-08	1.12E-08	4.26E-07	2.21E-07	9.37E-08	1.10E-07	4.33E-08	2.21E-07	9.37E-08
566	489457.08	3861065.81	7.07E-04	7.24E-04	6.83E-04	2.45E-07	7.39E-07	4.28E-07	4.38E-07	3.97E-07	1.81E-07	1.71E-07	8.17E-09	1.97E-07	4.36E-08	5.95E-08	9.44E-08	1.66E-08	1.13E-08	4.31E-07	2.23E-07	9.47E-08	1.11E-07	4.38E-08	2.23E-07	9.47E-08
567	489357.08	3861115.81	6.79E-04	6.95E-04	6.56E-04	2.35E-07	7.10E-07	4.11E-07	4.21E-07	3.81E-07	1.74E-07	1.64E-07	7.85E-09	1.90E-07	4.18E-08	5.71E-08	9.06E-08	1.60E-08	1.08E-08	4.14E-07	2.14E-07	9.09E-08	1.07E-07	4.20E-08	2.14E-07	9.09E-08
568	489407.08	3861115.81	6.85E-04	7.01E-04	6.62E-04	2.37E-07	7.16E-07	4.14E-07	4.24E-07	3.85E-07	1.76E-07	1.66E-07	7.92E-09	1.91E-07	4.22E-08	5.76E-08	9.14E-08	1.61E-08	1.09E-08	4.17E-07	2.16E-07	9.17E-08	1.08E-07	4.24E-08	2.16E-07	9.17E-08
569	489457.08	3861115.81	6.92E-04	7.09E-04	6.69E-04	2.40E-07	7.23E-07	4.19E-07	4.29E-07	3.89E-07	1.77E-07	1.67E-07	8.00E-09	1.93E-07	4.26E-08	5.82E-08	9.24E-08	1.63E-08	1.10E-08	4.22E-07	2.18E-07	9.27E-08	1.09E-07	4.28E-08	2.18E-07	9.27E-08
570	489407.08	3861165.81	6.70E-04	6.86E-04	6.47E-04	2.32E-07	7.00E-07	4.05E-07	4.15E-07	3.76E-07	1.72E-07	1.62E-07	7.75E-09	1.87E-07	4.13E-08	5.64E-08	8.94E-08	1.58E-08	1.07E-08	4.08E-07	2.11E-07	8.97E-08	1.06E-07	4.15E-08	2.11E-07	8.97E-08
571	489457.08	3861165.81	6.77E-04	6.94E-04	6.54E-04	2.35E-07	7.08E-07	4.10E-07	4.20E-07	3.81E-07	1.74E-07	1.64E-07	7.83E-09	1.89E-07	4.17E-08	5.70E-08	9.04E-08	1.59E-08	1.08E-08	4.13E-07	2.14E-07	9.07E-08	1.07E-07	4.19E-08	2.14E-07	9.07E-08
572	489407.08	3861215.81	6.55E-04	6.71E-04	6.33E-04	2.27E-07	6.85E-07	3.96E-07	4.06E-07	3.68E-07	1.68E-07	1.58E-07	7.57E-09	1.83E-07	4.04E-08	5.51E-08	8.75E-08	1.54E-08	1.05E-08	3.99E-07	2.07E-07	8.78E-08	1.03E-07	4.06E-08	2.07E-07	8.78E-08
573	489457.08	3861215.81	6.61E-04	6.77E-04	6.39E-04	2.29E-07	6.91E-07	4.00E-07	4.10E-07	3.71E-07	1.69E-07	1.60E-07	7.64E-09	1.85E-07	4.07E-08	5.56E-08	8.83E-08	1.56E-08	1.05E-08	4.03E-07	2.09E-07	8.85E-08	1.04E-07	4.09E-08	2.09E-07	8.85E-08
574	489407.08	3861265.81	6.41E-04	6.56E-04	6.19E-04	2.22E-07	6.69E-07	3.88E-07	3.97E-07	3.60E-07	1.64E-07	1.55E-07	7.40E-09	1.79E-07	3.95E-08	5.39E-08	8.55E-08	1.51E-08	1.02E-08	3.90E-07	2.02E-07	8.58E-08	1.01E-07	3.96E-08	2.02E-07	8.58E-08
575	489457.08	3861265.81	6.46E-04	6.62E-04	6.25E-04	2.24E-07	6.76E-07	3.91E-07	4.01E-07	3.63E-07	1.66E-07	1.56E-07	7.47E-09	1.80E-07	3.98E-08	5.44E-08	8.63E-08	1.52E-08	1.03E-08	3.94E-07	2.04E-07	8.66E-08	1.02E-07	4.00E-08	2.04E-07	8.66E-08
576	489309.86	3861110.14	6.73E-04	6.89E-04	6.50E-04	2.33E-07	7.03E-07	4.07E-07	4.17E-07	3.78E-07	1.73E-07	1.63E-07	7.78E-09	1.88E-07	4.15E-08	5.66E-08	8.98E-08	1.58E-08	1.07E-08	4.10E-07	2.12E-07	9.01E-08	1.06E-07	4.17E-08	2.12E-07	9.01E-08
577	489407.08	3861315.81	6.27E-04	6.42E-04	6.06E-04	2.17E-07	6.56E-07	3.80E-07	3.89E-07	3.52E-07	1.61E-07	1.52E-07	7.25E-09	1.75E-07	3.86E-08	5.28E-08	8.37E-08	1.48E-08	1.00E-08	3.82E-07	1.98E-07	8.40E-08	9.88E-08	3.88E-08	1.98E-07	8.40E-08
578	489457.08	3861315.81	6.33E-04	6.48E-04	6.12E-04	2.19E-07	6.62E-07	3.83E-07	3.92E-07	3.56E-07	1.62E-07	1.53E-07	7.32E-09	1.77E-07	3.90E-08	5.33E-08	8.45E-08	1.49E-08	1.01E-08	3.86E-07	2.00E-07	8.48E-08	9.97E-08	3.92E-08	2.00E-07	8.48E-08
579	488906.03	3861006.75	6.54E-04	6.70E-04	6.32E-04	2.26E-07	6.83E-07	3.96E-07	4.05E-07	3.67E-07	1.68E-07	1.58E-07	7.56E-09	1.83E-07	4.03E-08	5.50E-08	8.73E-08	1.54E-08	1.04E-08	3.98E-07	2.06E-07	8.76E-08	1.03E-07	4.05E-08	2.06E-07	8.76E-08
580	488956.03	3861006.75	6.60E-04	6.76E-04	6.37E-04	2.28E-07	6.90E-07	3.99E-07	4.09E-07	3.71E-07	1.69E-07	1.60E-07	7.63E-09	1.84E-07	4.06E-08	5.55E-08	8.81E-08	1.55E-08	1.05E-08	4.02E-07	2.08E-07	8.83E-08	1.04E-07	4.08E-08	2.08E-07	8.83E-08
581	488904.24	3861051.87	6.43E-04	6.59E-04	6.22E-04	2.23E-07	6.73E-07	3.89E-07	3.99E-07	3.61E-07	1.65E-07	1.56E-07	7.44E-09	1.80E-07	3.96E-08	5.41E-08	8.59E-08	1.51E-08	1.03E-08	3.92E-07	2.03E-07	8.62E-08	1.01E-07	3.98E-08	2.03E-07	8.62E-08
582	488954.24	3861051.87	6.48E-04	6.64E-04	6.26E-04	2.24E-07	6.77E-07	3.92E-07	4.02E-07	3.64E-07	1.66E-07	1.57E-07	7.49E-09	1.81E-07	3.99E-08	5.45E-08	8.65E-08	1.52E-08	1.03E-08	3.95E-07	2.04E-07	8.68E-08	1.02E-07	4.01E-08	2.04E-07	8.68E-08
583	489004.24	3861051.87	6.55E-04	6.71E-04	6.33E-04	2.27E-07	6.85E-07	3.96E-07	4.06E-07	3.68E-07	1.68E-07	1.58E-07	7.57E-09	1.83E-07	4.04E-08	5.51E-08	8.75E-08	1.54E-08	1.05E-08	3.99E-07	2.07E-07	8.78E-08	1.03E-07	4.06E-08	2.07E-07	8.78E-08
584	488804.24	3861101.87	6.20E-04	6.35E-04	5.99E-04	2.15E-07	6.48E-07	3.75E-07	3.84E-07	3.48E-07	1.59E-07	1.50E-07	7.17E-09	1.73E-07	3.82E-08	5.22E-08	8.27E-08	1.46E-08	9.89E-09	3.78E-07	1.96E-07	8.30E-08	9.77E-08	3.84E-08	1.96E-07	8.30E-08
585	488854.24	3861101.87	6.26E-04	6.41E-04	6.05E-04	2.17E-07	6.54E-07	3.79E-07	3.88E-07	3.52E-07	1.60E-07	1.51E-07	7.23E-09	1.75E-07	3.86E-08	5.27E-08	8.35E-08	1.47E-08	9.98E-09	3.81E-07	1.98E-07	8.38E-08	9.86E-08	3.87E-08	1.98E-07	8.38E-08
586	488904.24	3861101.87	6.29E-04	6.44E-04	6.07E-04	2.18E-07	6.57E-07	3.80E-07	3.90E-07	3.53E-07	1.61E-07	1.52E-07	7.27E-09	1.76E-07	3.87E-08	5.29E-08	8.39E-08	1.48E-08	1.00E-08	3.83E-07	1.98E-07	8.42E-08	9.90E-08	3.89E-08	1.98E-07	8.42E-08
587	488954.24	3861101.87	6.35E-04	6.50E-04	6.13E-04	2.20E-07	6.63E-07	3.84E-07	3.93E-07	3.57E-07	1.63E-07	1.53E-07	7.34E-09	1.77E-07	3.91E-08	5.34E-08	8.47E-08	1.49E-08	1.01E-08	3.87E-07	2.00E-07	8.50E-08	1.00E-07	3.93E-08	2.00E-07	8.50E-08
588	489004.24	3861101.87	6.39E-04	6.55E-04	6.17E-04	2.21E-07	6.68E-07	3.87E-07	3.96E-07	3.59E-07	1.64E-07	1.55E-07	7.39E-09	1.78E-07	3.94E-08	5.38E-08	8.53E-08	1.50E-08	1.02E-08	3.89E-07	2.02E-07	8.56E-08	1.01E-07	3.96E-08	2.02E-07	8.56E-08
589	488804.24	3861151.87	6.07E-04	6.21E-04	5.86E-04	2.10E-07	6.34E-07	3.67E-07	3.76E-07	3.41E-07	1.55E-07	1.47E-07	7.01E-09	1.69E-07	3.74E-08	5.10E-08	8.10E-08	1.43E-08	9.67E-09	3.70E-07	1.91E-07	8.12E-08	9.56E-08	3.75E-08	1.91E-07	8.12E-08
590	488854.24	3861151.87	6.11E-04	6.26E-04	5.90E-04	2.12E-07	6.39E-07	3.70E-07	3.79E-07	3.43E-07	1.57E-07	1.48E-07	7.06E-09	1.71E-07	3.76E-08	5.14E-08	8.16E-08	1.44E-08	9.74E-09	3.72E-07	1.93E-07	8.18E-08	9.63E-08	3.78E-08	1.93E-07	8.18E-08
591	489129.49	3861187.55	6.30E-04	6.45E-04	6.09E-04	2.18E-07	6.59E-07	3.81E-07	3.91E-07	3.54E-07	1.62E-07	1.52E-07	7.28E-09	1.76E-07	3.88E-08	5.30E-08	8.41E-08	1.48E-08	1.01E-08	3.84E-07	1.99E-07	8.44E-08	9.93E-08	3.90E-08	1.99E-07	8.44E-08
592	489179.49	3861187.55	6.36E-04	6.52E-04	6.15E-04	2.20E-07	6.65E-07	3.85E-07	3.94E-07	3.57E-07	1.63E-07	1.54E-07	7.35E-09	1.78E-07	3.92E-08	5.35E-08	8.49E-08	1.50E-08	1.01E-08	3.88E-07	2.01E-07	8.52E-08	1.00E-07	3.94E-08	2.01E-07	8.52E-08
593	488804.24	3861201.87	5.95E-04	6.09E-04	5.75E-04	2.06E-07	6.22E-07	3.60E-07	3.69E-07	3.34E-07	1.52E-07	1.44E-07	6.88E-09	1.66E-07	3.66E-08	5.00E-08	7.94E-08	1.40E-08	9.49E-09	3.63E-07	1.88E-07	7.96E-08	9.37E-08	3.68E-08	1.88E-07	7.96E-08
594	488854.24	3861201.87	5.99E-04	6.14E-04	5.79E-04	2.07E-07	6.26E-07	3.63E-07	3.71E-07	3.37E-07	1.54E-07	1.45E-07	6.93E-09	1.67E-07	3.69E-08	5.04E-08	8.00E-08	1.41E-08	9.56E-09	3.65E-07	1.89E-07	8.02E-08	9.44E-08	3.71E-08	1.89E-07	8.02E-08
595	489129.49	3861237.55	6.18E-04	6.33E-04	5.97E-04	2.14E-07	6.46E-07	3.74E-07	3.83E-07	3.47E-07	1.59E-07	1.50E-07	7.15E-09	1.73E-07	3.81E-08	5.20E-08	8.25E-08	1.45E-08	9.86E-09	3.77E-07	1.95E-07	8.28E-08	9.74E-08	3.83E-08	1.95E-07	8.28E-08
596	489179.49	3861237.55	6.23E-04	6.38E-04	6.02E-04	2.16E-07	6.51E-07	3.77E-07	3.86E-07	3.50E-07	1.60E-07	1.51E-07	7.20E-09	1.74E-07	3.84E-08	5.24E-08	8.31E-08	1.47E-08	9.93E-09	3.80E-07	1.97E-07	8.34E-08	9.81E-08	3.85E-08	1.97E-07	8.34E-08
597	488804.24	3861251.87	5.84E-04	5.99E-04	5.65E-04	2.02E-07	6.11E-07	3.54E-07	3.62E-07	3.28E-07	1.50E-07	1.41E-07	6.76E-09	1.63E-07	3.60E-08	4.92E-08	7.80E-08	1.37E-08	9.32E-09	3.56E-07	1.84E-07	7.83E-08	9.21E-08	3.62E-08	1.84E-07	7.83E-08
598	488854.24	3861251.87	5.87E-04	6.02E-04	5.67E-04	2.03E-07	6.14E-07	3.55E-07	3.64E-07	3.30E-07	1.51E-07	1.42E-07	6.79E-09	1.64E-07	3.62E-08	4.94E-08	7.84E-08	1.38E-08	9.37E-09	3.58E-07	1.85E-07	7.87E-08	9.25E-08	3.64E-08	1.85E-07	7.87E-08
599	488804.24	3861301.87	5.73E-04	5.87E-04	5.53E-04	1.98E-07	5.99E-07	3.46E-07	3.55E-07	3.22E-07	1.47E-07	1.38E-07	6.62E-09	1.60E-07	3.53E-08	4.82E-08	7.64E-08	1.35E-08	9.13E-09	3.49E-07	1.81E-07	7.67E-08	9.02E-08	3.54E-08	1.81E-07	7.67E-08
600	488854.24	3861301.87	5.77E-04	5.91E-04	5.58E-04	2.00E-07	6.03E-07	3.49E-07	3.58E-07	3.24E-07	1.48E-07	1.40E-07	6.67E-09	1.61E-07	3.56E-08	4.86E-08	7.70E-08	1.36E-08	9.20E-09	3.52E-07	1.82E-07	7.73E-08	9.09E-08	3.57E-08	1.82E-07	7.73E-08
601	490943.5	3860181.97	4.62E-03	4.73E-03	4.47E-03	1.60E-06	4.83E-06	2.80E-06	2.86E-06	2.60E-06	1.18E-06	1.12E-06	5.34E-08	1.29E-06	2.85E-07	3.89E-07	6.17E-07	1.09E-07	7.37E-08	2.82E-06	1.46E-06	6.19E-07	7.28E-07	2.86E-07	1.46E-06	6.19E-07
602	490993.5	3860181.97	5.21E-03	5.34E-03	5.03E-03	1.80E-06	5.45E-06	3.15E-06	3.23E-06	2.93E-06	1.34E-06	1.26E-06	6.02E-08	1.46E-06	3.21E-07	4.38E-07	6.96E-07	1.23E-07	8.31E-08	3.18E-06	1.64E-06	6.98E-07	8.21E-07	3.23E-07	1.64E-06	6.98E-07
603	491043.5	3860181.97	6.02E-03	6.16E-03	5.81E-03	2.08E-06	6.29E-06	3.64E-06	3.73E-06	3.38E-06	1.54E-06	1.45E-06	6.96E-08	1.68E-06	3.71E-07	5.06E-07	8.03E-07	1.42E-07	9.60E-08	3.67E-06	1.90E-06	8.06E-07	9.48E-07	3.72E-07	1.90E-06	8.06E-07
604	491093.5	3860181.97	7.17E-03	7.34E-03	6.92E-03	2.48E-06	7.49E-06	4.34E-06	4.44E-06	4.03E-06	1.84E-06	1.73E-06	8.28E-08	2.00E-06	4.42E-07	6.03E-07	9.57E-07	1.69E-07	1.14E-07	4.37E-06	2.26E-06	9.60E-07	1.13E-06	4.44E-07	2.26E-06	9.60E-07
605	490943.5	3860231.97	3.90E-03	4.00E-03	3.77E-03	1.35E-06	4.08E-06	2.36E-06	2.42E-06	2.19E-06	1.00E-06	9.44E-07	4.51E-08	1.09E-06	2.40E-07	3.28E-07	5.21E-07	9.18E-08	6.22E-08	2.38E-06	1.23E-06	5.23E-07	6.15E-07	2.42E-07	1.23E-06	5.23E-07
606	490993.5	3860231.97	4.34E-03	4.44E-03	4.19E-03	1.50E-06	4.53E-06	2.62E-06	2.69E-06	2.44E-06	1.11E-06	1.05E-06	5.01E-08	1.21E-06	2.67E-07	3.65E-07	5.79E-07	1.02E-07	6.92E-08	2.64E-06	1.37E-06	5.81E-07	6.83E-07	2.68E-07	1.37E-06	5.81E-07
607	491043.5	3860231.97	4.87E-03	4.98E-03	4.70E-03	1.68E-06	5.09E-06	2.94E-06	3.02E-06	2.73E-06	1.25E-06	1.18E-06	5.62E-08	1.36E-06	3.00E-07	4.09E-07	6.50E-07	1.14E-07	7.76E-08	2.97E-06	1.54E-06	6.52E-07	7.67E-07	3.01E-07	1.54E-06	6.52E-07
608	491093.5	3860231.97	5.58E-03	5.72E-03	5.39E-03	1.93E-06	5.84E-06	3.38E-06	3.46E-06	3.14E-06	1.43E-06	1.35E-06	6.45E-08	1.56E-06	3.44E-07	4.70E-07	7.45E-07	1.31E-07	8.90E-08	3.40E-06	1.76E-06	7.48E-07	8.80E-07	3.46E-07	1.76E-06	7.48E-07
609	490943.5	3860281.97	3.39E-03	3.47E-03	3.27E-03	1.17E-06	3.54E-06	2.05E-06	2.10E-06	1.90E-06	8.68E-07	8.19E-07	3.92E-08	9.46E-07	2.09E-07	2.85E-07	4.52E-07	7.97E-08	5.40E-08	2.06E-06	1.07E-06	4.54E-07	5.34E-07	2.10E-07	1.07E-06	4.54E-07

610	490993.5	3860281.97	3.71E-03	3.80E-03	3.58E-03	1.28E-06	3.87E-06	2.24E-06	2.30E-06	2.08E-06	9.50E-07	8.96E-07	4.29E-08	1.04E-06	2.28E-07	3.12E-07	4.95E-07	8.72E-08	5.91E-08	2.26E-06	1.17E-06	4.96E-07	5.84E-07	2.29E-07	1.17E-06	4.96E-07
611	491043.5	3860281.97	4.09E-03	4.19E-03	3.95E-03	1.42E-06	4.28E-06	2.48E-06	2.54E-06	2.30E-06	1.05E-06	9.90E-07	4.73E-08	1.14E-06	2.52E-07	3.44E-07	5.46E-07	9.63E-08	6.53E-08	2.49E-06	1.29E-06	5.48E-07	6.45E-07	2.53E-07	1.29E-06	5.48E-07
612	491093.5	3860281.97	4.59E-03	4.70E-03	4.43E-03	1.59E-06	4.80E-06	2.78E-06	2.84E-06	2.58E-06	1.18E-06	1.11E-06	5.30E-08	1.28E-06	2.83E-07	3.86E-07	6.12E-07	1.08E-07	7.32E-08	2.80E-06	1.45E-06	6.14E-07	7.23E-07	2.84E-07	1.45E-06	6.14E-07
613	490943.5	3860331.97	3.00E-03	3.07E-03	2.90E-03	1.04E-06	3.13E-06	1.81E-06	1.86E-06	1.68E-06	7.69E-07	7.25E-07	3.47E-08	8.37E-07	1.85E-07	2.52E-07	4.00E-07	7.05E-08	4.78E-08	1.83E-06	9.47E-07	4.02E-07	4.72E-07	1.86E-07	9.47E-07	4.02E-07
614	490993.5	3860331.97	3.24E-03	3.31E-03	3.13E-03	1.12E-06	3.38E-06	1.96E-06	2.00E-06	1.82E-06	8.29E-07	7.82E-07	3.74E-08	9.03E-07	1.99E-07	2.72E-07	4.32E-07	7.61E-08	5.16E-08	1.97E-06	1.02E-06	4.33E-07	5.10E-07	2.00E-07	1.02E-06	4.33E-07
615	491043.5	3860331.97	3.52E-03	3.61E-03	3.40E-03	1.22E-06	3.68E-06	2.13E-06	2.18E-06	1.98E-06	9.03E-07	8.52E-07	4.07E-08	9.84E-07	2.17E-07	2.97E-07	4.70E-07	8.29E-08	5.62E-08	2.15E-06	1.11E-06	4.72E-07	5.55E-07	2.18E-07	1.11E-06	4.72E-07
616	491093.5	3860331.97	3.89E-03	3.98E-03	3.76E-03	1.35E-06	4.06E-06	2.35E-06	2.41E-06	2.18E-06	9.96E-07	9.40E-07	4.49E-08	1.09E-06	2.40E-07	3.27E-07	5.19E-07	9.14E-08	6.20E-08	2.37E-06	1.23E-06	5.21E-07	6.12E-07	2.41E-07	1.23E-06	5.21E-07
617	490086.72	3859935.12	2.98E-03	3.05E-03	2.88E-03	1.03E-06	3.11E-06	1.80E-06	1.84E-06	1.67E-06	7.63E-07	7.20E-07	3.44E-08	8.31E-07	1.83E-07	2.50E-07	3.97E-07	7.00E-08	4.75E-08	1.81E-06	9.40E-07	3.99E-07	4.69E-07	1.84E-07	9.40E-07	3.99E-07
618	490136.72	3859935.12	3.17E-03	3.24E-03	3.06E-03	1.10E-06	3.31E-06	1.92E-06	1.96E-06	1.78E-06	8.11E-07	7.65E-07	3.66E-08	8.84E-07	1.95E-07	2.66E-07	4.23E-07	7.45E-08	5.05E-08	1.93E-06	9.99E-07	4.24E-07	4.99E-07	1.96E-07	9.99E-07	4.24E-07
619	490186.72	3859935.12	3.38E-03	3.46E-03	3.27E-03	1.17E-06	3.53E-06	2.05E-06	2.10E-06	1.90E-06	8.67E-07	8.18E-07	3.91E-08	9.44E-07	2.08E-07	2.84E-07	4.51E-07	7.95E-08	5.39E-08	2.06E-06	1.07E-06	4.53E-07	5.33E-07	2.09E-07	1.07E-06	4.53E-07
620	490236.72	3859935.12	3.63E-03	3.72E-03	3.50E-03	1.26E-06	3.79E-06	2.20E-06	2.25E-06	2.04E-06	9.30E-07	8.77E-07	4.19E-08	1.01E-06	2.24E-07	3.05E-07	4.84E-07	8.53E-08	5.79E-08	2.21E-06	1.14E-06	4.86E-07	5.71E-07	2.25E-07	1.14E-06	4.86E-07
621	490286.72	3859935.12	3.91E-03	4.00E-03	3.78E-03	1.35E-06	4.08E-06	2.36E-06	2.42E-06	2.20E-06	1.00E-06	9.45E-07	4.52E-08	1.09E-06	2.41E-07	3.29E-07	5.22E-07	9.19E-08	6.23E-08	2.38E-06	1.23E-06	5.23E-07	6.16E-07	2.42E-07	1.23E-06	5.23E-07
622	490336.72	3859935.12	4.23E-03	4.34E-03	4.09E-03	1.47E-06	4.43E-06	2.56E-06	2.62E-06	2.38E-06	1.09E-06	1.02E-06	4.89E-08	1.18E-06	2.61E-07	3.56E-07	5.65E-07	9.96E-08	6.75E-08	2.58E-06	1.34E-06	5.67E-07	6.67E-07	2.62E-07	1.34E-06	5.67E-07
623	490386.72	3859935.12	4.63E-03	4.74E-03	4.47E-03	1.60E-06	4.84E-06	2.80E-06	2.87E-06	2.60E-06	1.19E-06	1.12E-06	5.35E-08	1.29E-06	2.85E-07	3.90E-07	6.18E-07	1.09E-07	7.38E-08	2.82E-06	1.46E-06	6.20E-07	7.29E-07	2.87E-07	1.46E-06	6.20E-07
624	490436.72	3859935.12	5.10E-03	5.23E-03	4.93E-03	1.77E-06	5.33E-06	3.09E-06	3.16E-06	2.87E-06	1.31E-06	1.23E-06	5.90E-08	1.42E-06	3.14E-07	4.29E-07	6.81E-07	1.20E-07	8.14E-08	3.11E-06	1.61E-06	6.83E-07	8.04E-07	3.16E-07	1.61E-06	6.83E-07
625	490486.72	3859935.12	5.69E-03	5.83E-03	5.50E-03	1.97E-06	5.95E-06	3.44E-06	3.53E-06	3.20E-06	1.46E-06	1.38E-06	6.58E-08	1.59E-06	3.51E-07	4.79E-07	7.60E-07	1.34E-07	9.08E-08	3.47E-06	1.80E-06	7.62E-07	8.97E-07	3.52E-07	1.80E-06	7.62E-07
626	490536.72	3859935.12	6.49E-03	6.65E-03	6.27E-03	2.25E-06	6.79E-06	3.93E-06	4.02E-06	3.65E-06	1.66E-06	1.57E-06	7.50E-08	1.81E-06	4.00E-07	5.46E-07	8.67E-07	1.53E-07	1.04E-07	3.96E-06	2.05E-06	8.69E-07	1.02E-06	4.02E-07	2.05E-06	8.69E-07
627	490586.72	3859935.12	7.57E-03	7.75E-03	7.31E-03	2.62E-06	7.91E-06	4.58E-06	4.69E-06	4.25E-06	1.94E-06	1.83E-06	8.75E-08	2.11E-06	4.66E-07	6.37E-07	1.01E-06	1.78E-07	1.21E-07	4.61E-06	2.39E-06	1.01E-06	1.19E-06	4.68E-07	2.39E-06	1.01E-06
628	490636.72	3859935.12	8.96E-03	9.18E-03	8.66E-03	3.10E-06	9.37E-06	5.42E-06	5.55E-06	5.03E-06	2.30E-06	2.17E-06	1.04E-07	2.50E-06	5.52E-07	7.54E-07	1.20E-06	2.11E-07	1.43E-07	5.46E-06	2.83E-06	1.20E-06	1.41E-06	5.55E-07	2.83E-06	1.20E-06
629	490686.72	3859935.12	1.11E-02	1.14E-02	1.07E-02	3.85E-06	1.16E-05	6.73E-06	6.89E-06	6.24E-06	2.85E-06	2.69E-06	1.28E-07	3.10E-06	6.85E-07	9.35E-07	1.48E-06	2.61E-07	1.77E-07	6.77E-06	3.51E-06	1.49E-06	1.75E-06	6.88E-07	3.51E-06	1.49E-06
630	490736.72	3859935.12	1.42E-02	1.46E-02	1.37E-02	4.92E-06	1.49E-05	8.60E-06	8.81E-06	7.99E-06	3.64E-06	3.44E-06	1.64E-07	3.97E-06	8.76E-07	1.20E-06	1.90E-06	3.34E-07	2.27E-07	8.66E-06	4.49E-06	1.90E-06	2.24E-06	8.80E-07	4.49E-06	1.90E-06
631	490086.72	3859985.12	2.61E-03	2.68E-03	2.53E-03	9.05E-07	2.73E-06	1.58E-06	1.62E-06	1.47E-06	6.70E-07	6.32E-07	3.02E-08	7.30E-07	1.61E-07	2.20E-07	3.49E-07	6.15E-08	4.17E-08	1.59E-06	8.25E-07	3.50E-07	4.12E-07	1.62E-07	8.25E-07	3.50E-07
632	490136.72	3859985.12	2.75E-03	2.82E-03	2.66E-03	9.53E-07	2.88E-06	1.67E-06	1.71E-06	1.55E-06	7.06E-07	6.66E-07	3.18E-08	7.69E-07	1.70E-07	2.32E-07	3.67E-07	6.48E-08	4.39E-08	1.68E-06	8.69E-07	3.69E-07	4.34E-07	1.70E-07	8.69E-07	3.69E-07
633	490186.72	3859985.12	2.91E-03	2.98E-03	2.81E-03	1.01E-06	3.04E-06	1.76E-06	1.80E-06	1.64E-06	7.46E-07	7.04E-07	3.37E-08	8.13E-07	1.79E-07	2.45E-07	3.89E-07	6.85E-08	4.64E-08	1.77E-06	9.19E-07	3.90E-07	4.59E-07	1.80E-07	9.19E-07	3.90E-07
634	490236.72	3859985.12	3.09E-03	3.17E-03	2.99E-03	1.07E-06	3.23E-06	1.87E-06	1.92E-06	1.74E-06	7.93E-07	7.48E-07	3.58E-08	8.64E-07	1.91E-07	2.60E-07	4.13E-07	7.28E-08	4.94E-08	1.89E-06	9.77E-07	4.14E-07	4.88E-07	1.92E-07	9.77E-07	4.14E-07
635	490286.72	3859985.12	3.29E-03	3.37E-03	3.18E-03	1.14E-06	3.44E-06	1.99E-06	2.04E-06	1.85E-06	8.44E-07	7.96E-07	3.80E-08	9.19E-07	2.03E-07	2.77E-07	4.39E-07	7.74E-08	5.25E-08	2.01E-06	1.04E-06	4.41E-07	5.18E-07	2.04E-07	1.04E-06	4.41E-07
636	490336.72	3859985.12	3.52E-03	3.60E-03	3.40E-03	1.22E-06	3.67E-06	2.13E-06	2.18E-06	1.97E-06	9.01E-07	8.50E-07	4.06E-08	9.82E-07	2.17E-07	2.96E-07	4.69E-07	8.27E-08	5.61E-08	2.14E-06	1.11E-06	4.71E-07	5.54E-07	2.18E-07	1.11E-06	4.71E-07
637	490386.72	3859985.12	3.76E-03	3.85E-03	3.64E-03	1.30E-06	3.93E-06	2.28E-06	2.33E-06	2.11E-06	9.65E-07	9.10E-07	4.35E-08	1.05E-06	2.32E-07	3.17E-07	5.02E-07	8.85E-08	6.00E-08	2.29E-06	1.19E-06	5.04E-07	5.93E-07	2.33E-07	1.19E-06	5.04E-07
638	490436.72	3859985.12	4.06E-03	4.16E-03	3.92E-03	1.41E-06	4.25E-06	2.46E-06	2.52E-06	2.28E-06	1.04E-06	9.82E-07	4.69E-08	1.13E-06	2.50E-07	3.42E-07	5.42E-07	9.55E-08	6.48E-08	2.48E-06	1.28E-06	5.44E-07	6.40E-07	2.51E-07	1.28E-06	5.44E-07
639	490486.72	3859985.12	4.42E-03	4.53E-03	4.27E-03	1.53E-06	4.62E-06	2.67E-06	2.74E-06	2.48E-06	1.13E-06	1.07E-06	5.11E-08	1.23E-06	2.72E-07	3.72E-07	5.90E-07	1.04E-07	7.05E-08	2.69E-06	1.40E-06	5.92E-07	6.96E-07	2.74E-07	1.40E-06	5.92E-07
640	490536.72	3859985.12	4.87E-03	4.99E-03	4.70E-03	1.69E-06	5.09E-06	2.95E-06	3.02E-06	2.74E-06	1.25E-06	1.18E-06	5.63E-08	1.36E-06	3.00E-07	4.10E-07	6.50E-07	1.15E-07	7.77E-08	2.97E-06	1.54E-06	6.52E-07	7.67E-07	3.01E-07	1.54E-06	6.52E-07
641	490586.72	3859985.12	5.43E-03	5.56E-03	5.25E-03	1.88E-06	5.68E-06	3.29E-06	3.37E-06	3.05E-06	1.39E-06	1.31E-06	6.28E-08	1.52E-06	3.35E-07	4.57E-07	7.25E-07	1.28E-07	8.66E-08	3.31E-06	1.71E-06	7.28E-07	8.56E-07	3.36E-07	1.71E-06	7.28E-07
642	490636.72	3859985.12	6.15E-03	6.30E-03	5.95E-03	2.13E-06	6.43E-06	3.72E-06	3.81E-06	3.46E-06	1.58E-06	1.49E-06	7.11E-08	1.72E-06	3.79E-07	5.18E-07	8.21E-07	1.45E-07	9.82E-08	3.75E-06	1.94E-06	8.24E-07	9.70E-07	3.81E-07	1.94E-06	8.24E-07
643	490686.72	3859985.12	7.13E-03	7.30E-03	6.89E-03	2.47E-06	7.45E-06	4.31E-06	4.42E-06	4.00E-06	1.83E-06	1.72E-06	8.24E-08	1.99E-06	4.39E-07	6.00E-07	9.51E-07	1.68E-07	1.14E-07	4.34E-06	2.25E-06	9.54E-07	1.12E-06	4.41E-07	2.25E-06	9.54E-07
644	490736.72	3859985.12	8.34E-03	8.54E-03	8.05E-03	2.89E-06	8.71E-06	5.04E-06	5.17E-06	4.68E-06	2.14E-06	2.02E-06	9.64E-08	2.33E-06	5.14E-07	7.02E-07	1.11E-06	1.96E-07	1.33E-07	5.08E-06	2.63E-06	1.12E-06	1.31E-06	5.16E-07	2.63E-06	1.12E-06
645	490786.72	3859985.12	1.00E-02	1.03E-02	9.70E-03	3.47E-06	1.05E-05	6.07E-06	6.22E-06	5.64E-06	2.57E-06	2.43E-06	1.16E-07	2.80E-06	6.18E-07	8.45E-07	1.34E-06	2.36E-07	1.60E-07	6.12E-06	3.17E-06	1.34E-06	1.58E-06	6.21E-07	3.17E-06	1.34E-06
646	490086.72	3860035.12	2.34E-03	2.39E-03	2.26E-03	8.09E-07	2.44E-06	1.41E-06	1.45E-06	1.31E-06	5.99E-07	5.65E-07	2.70E-08	6.52E-07	1.44E-07	1.97E-07	3.12E-07	5.50E-08	3.73E-08	1.42E-06	7.37E-07	3.13E-07	3.68E-07	1.45E-07	7.37E-07	3.13E-07
647	490136.72	3860035.12	2.45E-03	2.50E-03	2.36E-03	8.47E-07	2.56E-06	1.48E-06	1.52E-06	1.37E-06	6.27E-07	5.91E-07	2.83E-08	6.83E-07	1.51E-07	2.06E-07	3.26E-07	5.75E-08	3.90E-08	1.49E-06	7.72E-07	3.27E-07	3.85E-07	1.51E-07	7.72E-07	3.27E-07
648	490186.72	3860035.12	2.57E-03	2.63E-03	2.48E-03	8.88E-07	2.68E-06	1.55E-06	1.59E-06	1.44E-06	6.58E-07	6.21E-07	2.97E-08	7.17E-07	1.58E-07	2.16E-07	3.43E-07	6.04E-08	4.09E-08	1.56E-06	8.10E-07	3.44E-07	4.04E-07	1.59E-07	8.10E-07	3.44E-07
649	490236.72	3860035.12	2.70E-03	2.77E-03	2.61E-03	9.35E-07	2.82E-06	1.63E-06	1.67E-06	1.52E-06	6.92E-07	6.53E-07	3.12E-08	7.54E-07	1.66E-07	2.27E-07	3.61E-07	6.35E-08	4.31E-08	1.65E-06	8.52E-07	3.62E-07	4.25E-07	1.67E-07	8.52E-07	3.62E-07
650	490286.72	3860035.12	2.85E-03	2.91E-03	2.75E-03	9.85E-07	2.97E-06	1.72E-06	1.76E-06	1.60E-06	7.29E-07	6.88E-07	3.29E-08	7.95E-07	1.75E-07	2.39E-07	3.80E-07	6.69E-08	4.54E-08	1.73E-06	8.98E-07	3.81E-07	4.48E-07	1.76E-07	8.98E-07	3.81E-07
651	490336.72	3860035.12	3.02E-03	3.09E-03	2.91E-03	1.04E-06	3.15E-06	1.82E-06	1.87E-06	1.69E-06	7.73E-07	7.29E-07	3.49E-08	8.42E-07	1.86E-07	2.54E-07	4.02E-07	7.09E-08	4.81E-08	1.84E-06	9.52E-07	4.04E-07	4.75E-07	1.87E-07	9.52E-07	4.04E-07
652	490386.72	3860035.12	3.19E-03	3.27E-03	3.08E-03	1.10E-06	3.34E-06	1.93E-06	1.98E-06	1.79E-06	8.18E-07	7.72E-07	3.69E-08	8.91E-07	1.97E-07	2.68E-07	4.26E-07	7.51E-08	5.09E-08	1.94E-06	1.01E-06	4.27E-07	5.03E-07	1.97E-07	1.01E-06	4.27E-07
653	490436.72	3860035.12	3.40E-03	3.48E-03	3.28E-03	1.18E-06	3.55E-06	2.06E-06	2.11E-06	1.91E-06	8.71E-07	8.21E-07	3.93E-08	9.49E-07	2.09E-07	2.86E-07	4.53E-07	7.99E-08	5.42E-08	2.07E-06	1.07E-06	4.55E-07	5.35E-07	2.10E-07	1.07E-06	4.55E-07
654	490486.72	3860035.12	3.64E-03	3.73E-03	3.51E-03	1.26E-06	3.80E-06	2.20E-06	2.25E-06	2.04E-06	9.33E-07	8.80E-07	4.21E-08	1.02E-06	2.24E-07	3.06E-07	4.86E-07	8.56E-08	5.80E-08	2.22E-06	1.15E-06	4.87E-07	5.73E-07	2.25E-07	1.15E-06	4.87E-07
655	490536.72	3860035.12	3.93E-03	4.02E-03	3.80E-03	1.36E-06	4.11E-06	2.38E-06	2.43E-06	2.21E-06	1.01E-06	9.50E-07	4.54E-08	1.10E-06	2.42E-07	3.31E-07	5.24E-07	9.24E-08	6.27E-08	2.39E-06	1.24E-06	5.26E-07	6.19E-07	2.43E-07	1.24E-06	5.26E-07
656	490586.72	3860035.12	4.27E-03	4.37E-03	4.12E-03	1.48E-06	4.46E-06	2.58E-06	2.65E-06	2.40E-06	1.09E-06	1.03E-06	4.94E-08	1.19E-06	2.63E-07	3.59E-07	5.70E-07	1.00E-07	6.81E-08	2.60E-06	1.35E-06	5.72E-07	6.73E-07	2.64E-07	1.35E-06	5.72E-07
657	490636.72	3860035.12	4.66E-03	4.78E-03	4.51E-03	1.61E-06	4.87E-06	2.82E-06	2.89E-06	2.62E-06	1.20E-06	1.13E-06	5.39E-08	1.30E-06	2.87E-07	3.92E-07	6.23E-07	1.10E-07	7.44E-08	2.84E-06	1.47E-06	6.25E-07	7.35E-07	2.89E-07	1.47E-06	6.25E-07
658	490686.72	3860035.12	5.18E-03	5.31E-03	5.01E-03	1.79E-06	5.42E-06	3.14E-06	3.21E-06	2.91E-06	1.33E-06	1.25E-06	5.99E-08	1.45E-06	3.19E-07	4.36E-07	6.92E-07	1.22E-07	8.27E-08	3.16E-06	1.64E-06	6.94E-07	8.17E-07	3.21E-07	1.64E-06	6.94E-07
659	490736.72	3860035.12	5.88E-03	6.02E-03	5.68E-03	2.03E-06	6.14E-06	3.56E-06	3.64E-06	3.30E-06	1.51E-06	1.42E-06	6.79E-08	1.64E-06	3.62E-07	4.94E-07	7.84E-07	1.38E-07	9.37E-08	3.58E-06	1.85E-06	7.87E-07	9.26E-07	3.64E-07	1.85E-06	7.87E-07
660	490786.72	3860035.12	6.68E-03	6.85E-03	6.46E-03	2.31E-06	6.99E-06	4.04E-06	4.14E-06	3.76E-06	1.71E-06	1.62E-06	7.73E-08	1.87E-06	4.12E-07	5.62E-07	8.92E-07	1.57E-07	1.07E-07	4.07E-06	2.11E-06	8.95E-07	1.05E-06	4.14E-07	2.11E-06	8.95E-07
661	490836.72	3860035.12	7.75E-03	7.94E-03	7.49E-03	2.68E-06	8.10E-06	4.69E-06	4.80E-06	4.35E-06	1.99E-06	1.87E-06	8.96E-08	2.16E-06	4.78E-07	6.52E-07	1.03E-06	1.82E-07	1.24E-07	4.72E-06	2.45E-06	1.04E-06	1.22E-06	4.80E-07	2.45E-06	1.04E-06
662	490086.72	3860085.12	2.12E-03	2.18E-03	2.05E-03	7.35E-07	2.22E-06	1.29E-06	1.32E-06	1.19E-06	5.44E-07	5.14E-07	2.45E-08	5.93E-07	1.31E-07	1.79E-07	2.83E-07	5.00E-08	3.39E-08	1.29E-06	6.70E-07	2.84E-07	3.35E-07	1.31E-07	6.70E-07	2.84E-07
663	490136.72	3860085.12	2.20E-03	2.26E-03	2.13E-03	7.63E-07	2.30E-06	1.33E-06	1.37E-06	1.24E-06	5.65E-07	5.33E-07	2.55E-08	6.16E-07	1.36E-07	1.86E-07	2.94E-07	5.19E-08	3.52E-08	1.34E-06	6.96E-07	2.95E-07	3.47E-07	1.36E-07	6.96E-07	2.95E-07
664	490186.72	3860085.12	2.31E-03	2.36E-03	2.23E-03	7.98E-07	2.41E-06	1.39E-06	1.43E-06	1.30E-06	5.91E-07	5.57E-07	2.66E-08	6.44E-07	1.42E-07	1.94E-07	3.08E-07	5.42E-08	3.68E-08	1.41E-06	7.28E-07	3.09E-07	3.63E-07	1.43E-07	7.28E-07	3.09E-07
665	490236.72	3860085.12	2.41E-03	2.47E-03	2.33E-03	8.34E-07	2.52E-06	1.46E-06	1.49E-06	1.35E-06	6.17E-07	5.82E-07	2.78E-08	6.73E-07	1.48E-07	2.03E-07	3.22E-07	5.67E-08	3.84E-08	1.47E-06	7.60E-07	3.23E-07	3.79E-07	1.49E-07	7.60E-07	3.23E-07
666	490286.72	3860085.12	2.52E-03	2.58E-03	2.44E-03	8.73E-07	2.64E-06	1.53E-06	1.56E-06	1.42E-06	6.47E-07	6.10E-07	2.92E-08	7.04E-07	1.55E-07	2.12E-07	3.37E-07	5.93E-08	4.02E-08	1.54E-06	7.96E-07	3.38E-07	3.97E-07	1.56E-07	7.96E-07	3.38E-07
667	490336.72	3860085.12	2.64E-03	2.71E-03	2.56E-03	9.16E-07	2.76E-06	1.60E-06	1.64E-06	1.49E-06	6.78E-07	6.39E-07	3.06E-08	7.38E-07	1.63E-07	2.23E-07	3.53E-07	6.22E-08	4.22E-08	1.61E-06	8.35E-07	3.54E-07	4.17E-07	1.64E-07	8.35E-07	3.54E-07
668	490386.72	3860085.12	2.78E-03	2.85E-03	2.69E-03	9.63E-07	2.91E-06	1.68E-06	1.72E-06	1.56E-06	7.13E-07	6.73E-07	3.22E-08	7.77E-07	1.71E-07	2.34E-07	3.71E-07	6.54E-08	4.44E-08	1.70E-06	8.78E-07	3.73E-07	4.38E-07	1.72E-07	8.78E-07	3.73E-07
669	490436.72	3860085.12	2.93E-03	3.01E-03	2.83E-03	1.02E-06	3.07E-06	1.78E-06	1.82E-06	1.65E-06	7.52E-07	7.09E-07	3.39E-08	8.19E-07	1.81E-07	2.47E-07	3.92E-07	6.90E-08	4.68E-08	1.79E-06	9.26E-07	3.93E-07	4.62E-07	1.82E-07	9.26E-07	3.93E-07
670	490486.72	3860085.12	3.10E-03	3.18E-03	3.00E-03	1.07E-06	3.24E-06	1.88E-06	1.92E-06	1.74E-06	7.96E-07	7.50E-07	3.59E-08	8.67E-07	1.91E-07	2.61E-07	4.14E-07	7.30E-08	4.95E-08	1.89E-06	9.80E-07	4.16E-07	4.89E-07	1.92E-07	9.80E-07	4.16E-07
671	490536.72	3860085.12	3.31E-03	3.39E-03	3.20E-03	1.15E-06	3.46E-06	2.00E-06	2.05E-06	1.86E-06	8.48E-07	8.00E-07	3.82E-08	9.24E-07	2.04E-07	2.78E-07	4.42E-07	7.78E-08	5.28E-08	2.02E-06	1.04E-06	4.43E-07	5.21E-07	2.05E-07	1.04E-06	4.43E-07
672	490586.72	3860085.12	3.55E-03	3.63E-03	3.42E-03	1.23E-06	3.71E-06	2.14E-06	2.20E-06	1.99E-06	9.09E-07	8.57E-07	4.10E-08	9.90E-07	2.18E-07	2.98E-07	4.73E-07	8.34E-08	5.65E-08	2.16E-06	1.12E-06	4.75E-07	5.58E-07	2.19E-07	1.12E-06	4.75E-07
673	490636.72	3860085.12	3.81E-03	3.91E-03	3.68E-03	1.32E-06	3.99E-06	2.31E-06	2.36E-06	2.14E-06	9.78E-07	9.22E-07	4.41E-08	1.06E-06	2.35E-07	3.21E-07	5.09E-07	8.97E-08	6.08E-08	2.32E-06	1.20E-06	5.11E-07	6.01E-07	2.36E-07	1.20E-06	5.11E-07
674	490686.72	3860085.12	4.14E-03	4.24E-03	4.00E-03	1.43E-06	4.33E-06	2.51E-06	2.57E-06	2.33E-06	1.06E-06	1.00E-06	4.79E-08	1.16E-06	2.55E-07	3.49E-07	5.53E-07	9.75E-08	6.61E-08	2.53E-06	1.31E-06	5.55E-07	6.53E-07	2.56E-07	1.31E-06	5.55E-07
675	490736.72	3860085.12	4.55E-03	4.66E-03	4.40E-03	1.58E-06	4.76E-06	2.75E-06	2.82E-06	2.56E-06	1.17E-06	1.10E-06	5.26E-08	1.27E-06	2.80E-07	3.83E-07	6.08E-07	1.07E-07	7.26E-08	2.77E-06	1.44E-06	6.10E-07	7.17E-07	2.82E-07	1.44E-06	6.10E-07
676	490786.72	3860085.12	5.05E-03	5.17E-03	4.88E-03	1.75E-06	5.28E-06	3.06E-06	3.13E-06	2.84E-06	1.29E-06	1.22E-06	5.84E-08	1.41E-06	3.11E-07	4.25E-07	6.74E-07	1.19E-07	8.05E-08	3.08E-06	1.59E-06	6.76E-07	7.96E-07	3.13E-07	1.59E-06	6.76E-07
677	490836.72	3860085.12	5.65E-03	5.78E-03	5.46E-03	1.96E-06	5.90E-06	3.42E-06	3.50E-06	3.17E-06	1.45E-06	1.37E-06	6.53E-08	1.58E-06	3.48E-07	4.75E-07	7.54E-07	1.33E-07	9.01E-08	3.44E-06	1.78E-06	7.56E-07	8.90E-07	3.50E-07	1.78E-06	7.56E-07
678	490086.72	3860135.12	1.93E-03	1.98E-03	1.87E-03	6.70E-07	2.02E-06	1.17E-06	1.20E-06	1.09E-06	4.96E-07	4.68E-07	2.24E-08	5.40E-07	1.19E-07	1.63E-07	2.58E-07	4.55E-08	3.09E-08	1.18E-06	6.11E-07	2.59E-07	3.05E-07	1.20E-07	6.11E-07	2.59E-07
679	490136.72	3860135.12	2.01E-03	2.06E-03	1.94E-03	6.95E-07	2.10E-06	1.22E-06	1.24E-06	1.13E-06	5.15E-07	4.86E-07	2.32E-08	5.61E-07	1.24E-07	1.69E-07	2.68E-07	4.73E-08	3.20E-08	1.22E-06	6.34E-07	2.69E-07	3.16E-07	1.24E-07	6.34E-07	2.69E-07
680	490186.72	3860135.12	2.09E-03	2.14E-03	2.02E-03	7.24E-07	2.19E-06	1.27E-06	1.30E-06	1.17E-06	5.36E-07	5.06E-07	2.42E-08	5.84E-07	1.29E-07	1.76E-07	2.79E-07	4.92E-08	3.34E-08	1.27E-06	6.60E-07	2.80E-07	3.29E-07	1.29E-07	6.60E-07	2.80E-07
681	490236.72	3860135.12	2.18E-03	2.23E-03	2.10E-03	7.53E-07	2.27E-06	1.32E-06	1.35E-06	1.22E-06	5.58E-07	5.26E-07	2.51E-08	6.07E-07	1.34E-07	1.83E-07	2.90E-07	5.12E-08	3.47E-08	1.33E-06	6.87E-07	2.91E-07	3.43E-07	1.35E-07	6.87E-07	2.91E-07
682	490286.72	3860135.12	2.27E-03	2.32E-03	2.19E-03	7.85E-07	2.37E-06	1.37E-06	1.41E-06	1.27E-06	5.81E-07	5.48E-07	2.62E-08	6.33E-07	1.40E-07	1.91E-07	3.03E-07	5.34E-08	3.62E-08	1.38E-06	7.16E-07	3.04E-07	3.57E-07	1.40E-07	7.16E-07	3.04E-07
683	490336.72	3860135.12	2.37E-03	2.42E-03	2.29E-03	8.19E-07	2.47E-06	1.43E-06	1.47E-06	1.33E-06	6.07E-07	5.72E-07	2.74E-08	6.61E-07	1.46E-07	1.99E-07	3.16E-07	5.57E-08	3.78E-08	1.44E-06	7.47E-07	3.17E-07	3.73E-07	1.47E-07	7.47E-07	3.17E-07
684	490386.72	3860135.12	2.48E-03	2.53E-03	2.39E-03	8.57E-07	2.59E-06	1.50E-06	1.53E-06	1.39E-06	6.34E-07	5.98E-07	2.86E-08	6.91E-07	1.52E-07	2.08E-07	3.30E-07	5.82E-08	3.95E-08	1.51E-06	7.81E-07	3.31E-07	3.90E-07	1.53E-07	7.81E-07	3.31E-07
685	490436.72	3860135.12	2.59E-03	2.65E-03	2.50E-03	8.97E-07	2.71E-06	1.57E-06	1.61E-06	1.46E-06	6.64E-07	6.27E-07	3.00E-08	7.24E-07	1.60E-07	2.18E-07	3.46E-07	6.10E-08	4.13E-08	1.58E-06	8.18E-07	3.47E-07	4.08E-07	1.60E-07	8.18E-07	3.47E-07
686	490486.72	3860135.12	2.72E-03	2.79E-03	2.63E-03	9.43E-07	2.85E-06	1.65E-06	1.69E-06	1.53E-06	6.98E-07	6.59E-07	3.15E-08	7.61E-07	1.68E-07	2.29E-07	3.64E-07	6.41E-08	4.35E-08	1.66E-06	8.60E-07	3.65E-07	4.29E-07	1.69E-07	8.60E-07	3.65E-07

687	490536.72	3860135.12	2.88E-03	2.95E-03	2.78E-03	9.97E-07	3.01E-06	1.74E-06	1.78E-06	1.62E-06	7.38E-07	6.96E-07	3.33E-08	8.04E-07	1.77E-07	2.42E-07	3.84E-07	6.77E-08	4.59E-08	1.75E-06	9.09E-07	3.86E-07	4.54E-07	1.78E-07	9.09E-07	3.86E-07
688	490586.72	3860135.12	3.05E-03	3.13E-03	2.95E-03	1.06E-06	3.19E-06	1.85E-06	1.89E-06	1.71E-06	7.82E-07	7.38E-07	3.53E-08	8.52E-07	1.88E-07	2.57E-07	4.07E-07	7.18E-08	4.87E-08	1.86E-06	9.63E-07	4.09E-07	4.81E-07	1.89E-07	9.63E-07	4.09E-07
689	490636.72	3860135.12	3.25E-03	3.33E-03	3.14E-03	1.12E-06	3.40E-06	1.97E-06	2.01E-06	1.83E-06	8.33E-07	7.86E-07	3.76E-08	9.07E-07	2.00E-07	2.73E-07	4.34E-07	7.65E-08	5.18E-08	1.98E-06	1.03E-06	4.35E-07	5.12E-07	2.01E-07	1.03E-06	4.35E-07
690	490686.72	3860135.12	3.48E-03	3.56E-03	3.36E-03	1.20E-06	3.64E-06	2.10E-06	2.16E-06	1.95E-06	8.92E-07	8.41E-07	4.02E-08	9.71E-07	2.14E-07	2.93E-07	4.64E-07	8.18E-08	5.55E-08	2.12E-06	1.10E-06	4.66E-07	5.48E-07	2.15E-07	1.10E-06	4.66E-07
691	490736.72	3860135.12	3.75E-03	3.84E-03	3.62E-03	1.30E-06	3.92E-06	2.27E-06	2.33E-06	2.11E-06	9.62E-07	9.07E-07	4.34E-08	1.05E-06	2.31E-07	3.16E-07	5.01E-07	8.83E-08	5.98E-08	2.29E-06	1.18E-06	5.02E-07	5.91E-07	2.32E-07	1.18E-06	5.02E-07
692	490786.72	3860135.12	4.09E-03	4.19E-03	3.95E-03	1.42E-06	4.28E-06	2.48E-06	2.54E-06	2.30E-06	1.05E-06	9.89E-07	4.73E-08	1.14E-06	2.52E-07	3.44E-07	5.46E-07	9.62E-08	6.52E-08	2.49E-06	1.29E-06	5.48E-07	6.44E-07	2.53E-07	1.29E-06	5.48E-07
693	490836.72	3860135.12	4.48E-03	4.59E-03	4.33E-03	1.55E-06	4.68E-06	2.71E-06	2.78E-06	2.52E-06	1.15E-06	1.08E-06	5.18E-08	1.25E-06	2.76E-07	3.77E-07	5.98E-07	1.05E-07	7.15E-08	2.73E-06	1.41E-06	6.00E-07	7.06E-07	2.77E-07	1.41E-06	6.00E-07
694	490086.72	3860185.12	1.78E-03	1.83E-03	1.72E-03	6.18E-07	1.86E-06	1.08E-06	1.11E-06	1.00E-06	4.57E-07	4.31E-07	2.06E-08	4.98E-07	1.10E-07	1.50E-07	2.38E-07	4.20E-08	2.85E-08	1.09E-06	5.63E-07	2.39E-07	2.81E-07	1.10E-07	5.63E-07	2.39E-07
695	490136.72	3860185.12	1.85E-03	1.89E-03	1.79E-03	6.40E-07	1.93E-06	1.12E-06	1.15E-06	1.04E-06	4.74E-07	4.47E-07	2.14E-08	5.16E-07	1.14E-07	1.56E-07	2.47E-07	4.35E-08	2.95E-08	1.13E-06	5.84E-07	2.48E-07	2.91E-07	1.14E-07	5.84E-07	2.48E-07
696	490186.72	3860185.12	1.92E-03	1.96E-03	1.85E-03	6.64E-07	2.00E-06	1.16E-06	1.19E-06	1.08E-06	4.91E-07	4.64E-07	2.22E-08	5.35E-07	1.18E-07	1.61E-07	2.56E-07	4.51E-08	3.06E-08	1.17E-06	6.05E-07	2.57E-07	3.02E-07	1.19E-07	6.05E-07	2.57E-07
697	490236.72	3860185.12	1.99E-03	2.04E-03	1.92E-03	6.88E-07	2.08E-06	1.20E-06	1.23E-06	1.12E-06	5.10E-07	4.81E-07	2.30E-08	5.55E-07	1.22E-07	1.67E-07	2.65E-07	4.68E-08	3.17E-08	1.21E-06	6.27E-07	2.66E-07	3.13E-07	1.23E-07	6.27E-07	2.66E-07
698	490286.72	3860185.12	2.06E-03	2.11E-03	1.99E-03	7.15E-07	2.16E-06	1.25E-06	1.28E-06	1.16E-06	5.29E-07	4.99E-07	2.39E-08	5.77E-07	1.27E-07	1.74E-07	2.76E-07	4.86E-08	3.29E-08	1.26E-06	6.52E-07	2.76E-07	3.25E-07	1.28E-07	6.52E-07	2.76E-07
699	490336.72	3860185.12	2.15E-03	2.20E-03	2.07E-03	7.43E-07	2.24E-06	1.30E-06	1.33E-06	1.21E-06	5.50E-07	5.19E-07	2.48E-08	5.99E-07	1.32E-07	1.81E-07	2.86E-07	5.05E-08	3.42E-08	1.31E-06	6.77E-07	2.87E-07	3.38E-07	1.33E-07	6.77E-07	2.87E-07
700	490386.72	3860185.12	2.23E-03	2.29E-03	2.16E-03	7.73E-07	2.34E-06	1.35E-06	1.38E-06	1.26E-06	5.73E-07	5.40E-07	2.58E-08	6.24E-07	1.38E-07	1.88E-07	2.98E-07	5.26E-08	3.56E-08	1.36E-06	7.05E-07	2.99E-07	3.52E-07	1.38E-07	7.05E-07	2.99E-07
701	490436.72	3860185.12	2.33E-03	2.39E-03	2.25E-03	8.07E-07	2.44E-06	1.41E-06	1.45E-06	1.31E-06	5.98E-07	5.64E-07	2.70E-08	6.51E-07	1.44E-07	1.96E-07	3.11E-07	5.49E-08	3.72E-08	1.42E-06	7.36E-07	3.12E-07	3.67E-07	1.44E-07	7.36E-07	3.12E-07
702	490486.72	3860185.12	2.44E-03	2.50E-03	2.36E-03	8.44E-07	2.55E-06	1.48E-06	1.51E-06	1.37E-06	6.25E-07	5.90E-07	2.82E-08	6.81E-07	1.50E-07	2.05E-07	3.25E-07	5.74E-08	3.89E-08	1.49E-06	7.70E-07	3.26E-07	3.84E-07	1.51E-07	7.70E-07	3.26E-07
703	490536.72	3860185.12	2.56E-03	2.62E-03	2.47E-03	8.86E-07	2.67E-06	1.55E-06	1.59E-06	1.44E-06	6.56E-07	6.19E-07	2.96E-08	7.15E-07	1.58E-07	2.15E-07	3.42E-07	6.02E-08	4.08E-08	1.56E-06	8.08E-07	3.43E-07	4.03E-07	1.58E-07	8.08E-07	3.43E-07
704	490586.72	3860185.12	2.70E-03	2.76E-03	2.61E-03	9.33E-07	2.82E-06	1.63E-06	1.67E-06	1.51E-06	6.91E-07	6.52E-07	3.12E-08	7.53E-07	1.66E-07	2.27E-07	3.60E-07	6.34E-08	4.30E-08	1.64E-06	8.51E-07	3.61E-07	4.25E-07	1.67E-07	8.51E-07	3.61E-07
705	490636.72	3860185.12	2.85E-03	2.92E-03	2.75E-03	9.86E-07	2.98E-06	1.72E-06	1.77E-06	1.60E-06	7.30E-07	6.89E-07	3.29E-08	7.95E-07	1.76E-07	2.40E-07	3.80E-07	6.70E-08	4.54E-08	1.74E-06	8.99E-07	3.81E-07	4.49E-07	1.76E-07	8.99E-07	3.81E-07
706	490686.72	3860185.12	3.02E-03	3.10E-03	2.92E-03	1.05E-06	3.16E-06	1.83E-06	1.87E-06	1.70E-06	7.75E-07	7.31E-07	3.50E-08	8.44E-07	1.86E-07	2.54E-07	4.04E-07	7.11E-08	4.82E-08	1.84E-06	9.54E-07	4.05E-07	4.76E-07	1.87E-07	9.54E-07	4.05E-07
707	490736.72	3860185.12	3.22E-03	3.30E-03	3.11E-03	1.12E-06	3.37E-06	1.95E-06	2.00E-06	1.81E-06	8.26E-07	7.79E-07	3.72E-08	9.00E-07	1.99E-07	2.71E-07	4.30E-07	7.58E-08	5.14E-08	1.96E-06	1.02E-06	4.31E-07	5.08E-07	1.99E-07	1.02E-06	4.31E-07
708	490786.72	3860185.12	3.46E-03	3.55E-03	3.35E-03	1.20E-06	3.62E-06	2.10E-06	2.15E-06	1.95E-06	8.88E-07	8.38E-07	4.00E-08	9.67E-07	2.13E-07	2.91E-07	4.62E-07	8.15E-08	5.52E-08	2.11E-06	1.09E-06	4.64E-07	5.46E-07	2.14E-07	1.09E-06	4.64E-07
709	490836.72	3860185.12	3.75E-03	3.84E-03	3.62E-03	1.30E-06	3.92E-06	2.27E-06	2.32E-06	2.11E-06	9.61E-07	9.07E-07	4.34E-08	1.05E-06	2.31E-07	3.16E-07	5.01E-07	8.82E-08	5.98E-08	2.29E-06	1.18E-06	5.02E-07	5.91E-07	2.32E-07	1.18E-06	5.02E-07
710	490086.72	3860235.12	1.66E-03	1.70E-03	1.60E-03	5.75E-07	1.74E-06	1.00E-06	1.03E-06	9.33E-07	4.26E-07	4.01E-07	1.92E-08	4.64E-07	1.02E-07	1.40E-07	2.22E-07	3.91E-08	2.65E-08	1.01E-06	5.24E-07	2.22E-07	2.62E-07	1.03E-07	5.24E-07	2.22E-07
711	490136.72	3860235.12	1.71E-03	1.76E-03	1.66E-03	5.94E-07	1.79E-06	1.04E-06	1.06E-06	9.63E-07	4.40E-07	4.15E-07	1.98E-08	4.79E-07	1.06E-07	1.44E-07	2.29E-07	4.03E-08	2.74E-08	1.05E-06	5.41E-07	2.30E-07	2.70E-07	1.06E-07	5.41E-07	2.30E-07
712	490186.72	3860235.12	1.77E-03	1.82E-03	1.71E-03	6.14E-07	1.85E-06	1.07E-06	1.10E-06	9.96E-07	4.54E-07	4.29E-07	2.05E-08	4.95E-07	1.09E-07	1.49E-07	2.37E-07	4.17E-08	2.83E-08	1.08E-06	5.59E-07	2.37E-07	2.79E-07	1.10E-07	5.59E-07	2.37E-07
713	490236.72	3860235.12	1.83E-03	1.88E-03	1.77E-03	6.35E-07	1.92E-06	1.11E-06	1.14E-06	1.03E-06	4.70E-07	4.44E-07	2.12E-08	5.12E-07	1.13E-07	1.54E-07	2.45E-07	4.32E-08	2.93E-08	1.12E-06	5.79E-07	2.46E-07	2.89E-07	1.14E-07	5.79E-07	2.46E-07
714	490286.72	3860235.12	1.90E-03	1.95E-03	1.84E-03	6.58E-07	1.99E-06	1.15E-06	1.18E-06	1.07E-06	4.87E-07	4.59E-07	2.20E-08	5.30E-07	1.17E-07	1.60E-07	2.54E-07	4.47E-08	3.03E-08	1.16E-06	5.99E-07	2.54E-07	2.99E-07	1.18E-07	5.99E-07	2.54E-07
715	490336.72	3860235.12	1.97E-03	2.02E-03	1.90E-03	6.82E-07	2.06E-06	1.19E-06	1.22E-06	1.11E-06	5.05E-07	4.76E-07	2.28E-08	5.50E-07	1.21E-07	1.66E-07	2.63E-07	4.63E-08	3.14E-08	1.20E-06	6.21E-07	2.64E-07	3.10E-07	1.22E-07	6.21E-07	2.64E-07
716	490386.72	3860235.12	2.04E-03	2.09E-03	1.97E-03	7.08E-07	2.14E-06	1.24E-06	1.27E-06	1.15E-06	5.24E-07	4.94E-07	2.36E-08	5.71E-07	1.26E-07	1.72E-07	2.73E-07	4.81E-08	3.26E-08	1.25E-06	6.45E-07	2.74E-07	3.22E-07	1.27E-07	6.45E-07	2.74E-07
717	490436.72	3860235.12	2.13E-03	2.18E-03	2.05E-03	7.36E-07	2.22E-06	1.29E-06	1.32E-06	1.19E-06	5.45E-07	5.14E-07	2.46E-08	5.94E-07	1.31E-07	1.79E-07	2.84E-07	5.00E-08	3.39E-08	1.30E-06	6.71E-07	2.85E-07	3.35E-07	1.32E-07	6.71E-07	2.85E-07
718	490486.72	3860235.12	2.21E-03	2.27E-03	2.14E-03	7.66E-07	2.31E-06	1.34E-06	1.37E-06	1.24E-06	5.67E-07	5.35E-07	2.56E-08	6.18E-07	1.36E-07	1.86E-07	2.95E-07	5.21E-08	3.53E-08	1.35E-06	6.99E-07	2.96E-07	3.49E-07	1.37E-07	6.99E-07	2.96E-07
719	490536.72	3860235.12	2.31E-03	2.37E-03	2.24E-03	8.01E-07	2.42E-06	1.40E-06	1.43E-06	1.30E-06	5.93E-07	5.60E-07	2.68E-08	6.46E-07	1.43E-07	1.95E-07	3.09E-07	5.44E-08	3.69E-08	1.41E-06	7.30E-07	3.10E-07	3.65E-07	1.43E-07	7.30E-07	3.10E-07
720	490586.72	3860235.12	2.42E-03	2.48E-03	2.34E-03	8.39E-07	2.53E-06	1.47E-06	1.50E-06	1.36E-06	6.22E-07	5.86E-07	2.80E-08	6.77E-07	1.49E-07	2.04E-07	3.24E-07	5.70E-08	3.87E-08	1.48E-06	7.65E-07	3.25E-07	3.82E-07	1.50E-07	7.65E-07	3.25E-07
721	490636.72	3860235.12	2.55E-03	2.61E-03	2.46E-03	8.82E-07	2.66E-06	1.54E-06	1.58E-06	1.43E-06	6.53E-07	6.16E-07	2.95E-08	7.12E-07	1.57E-07	2.14E-07	3.40E-07	6.00E-08	4.07E-08	1.55E-06	8.04E-07	3.41E-07	4.02E-07	1.58E-07	8.04E-07	3.41E-07
722	490686.72	3860235.12	2.69E-03	2.75E-03	2.60E-03	9.31E-07	2.81E-06	1.63E-06	1.67E-06	1.51E-06	6.89E-07	6.50E-07	3.11E-08	7.51E-07	1.66E-07	2.26E-07	3.59E-07	6.33E-08	4.29E-08	1.64E-06	8.49E-07	3.60E-07	4.24E-07	1.66E-07	8.49E-07	3.60E-07
723	490736.72	3860235.12	2.85E-03	2.92E-03	2.75E-03	9.86E-07	2.98E-06	1.72E-06	1.76E-06	1.60E-06	7.30E-07	6.88E-07	3.29E-08	7.95E-07	1.75E-07	2.40E-07	3.80E-07	6.70E-08	4.54E-08	1.74E-06	8.99E-07	3.81E-07	4.48E-07	1.76E-07	8.99E-07	3.81E-07
724	490786.72	3860235.12	3.03E-03	3.10E-03	2.93E-03	1.05E-06	3.17E-06	1.83E-06	1.88E-06	1.70E-06	7.77E-07	7.33E-07	3.50E-08	8.46E-07	1.87E-07	2.55E-07	4.05E-07	7.13E-08	4.83E-08	1.85E-06	9.57E-07	4.06E-07	4.78E-07	1.88E-07	9.57E-07	4.06E-07
725	490086.72	3860285.12	1.56E-03	1.59E-03	1.50E-03	5.38E-07	1.63E-06	9.41E-07	9.64E-07	8.74E-07	3.99E-07	3.76E-07	1.80E-08	4.34E-07	9.58E-08	1.31E-07	2.08E-07	3.66E-08	2.48E-08	9.48E-07	4.91E-07	2.08E-07	2.45E-07	9.63E-08	4.91E-07	2.08E-07
726	490136.72	3860285.12	1.60E-03	1.64E-03	1.55E-03	5.55E-07	1.68E-06	9.70E-07	9.93E-07	9.00E-07	4.11E-07	3.88E-07	1.85E-08	4.48E-07	9.88E-08	1.35E-07	2.14E-07	3.77E-08	2.56E-08	9.77E-07	5.06E-07	2.15E-07	2.52E-07	9.92E-08	5.06E-07	2.15E-07
727	490186.72	3860285.12	1.65E-03	1.69E-03	1.60E-03	5.72E-07	1.73E-06	9.99E-07	1.02E-06	9.28E-07	4.23E-07	3.99E-07	1.91E-08	4.61E-07	1.02E-07	1.39E-07	2.20E-07	3.89E-08	2.63E-08	1.01E-06	5.21E-07	2.21E-07	2.60E-07	1.02E-07	5.21E-07	2.21E-07
728	490236.72	3860285.12	1.71E-03	1.75E-03	1.65E-03	5.91E-07	1.78E-06	1.03E-06	1.06E-06	9.58E-07	4.37E-07	4.13E-07	1.97E-08	4.76E-07	1.05E-07	1.44E-07	2.28E-07	4.01E-08	2.72E-08	1.04E-06	5.38E-07	2.28E-07	2.69E-07	1.06E-07	5.38E-07	2.28E-07
729	490286.72	3860285.12	1.76E-03	1.80E-03	1.70E-03	6.09E-07	1.84E-06	1.07E-06	1.09E-06	9.89E-07	4.51E-07	4.26E-07	2.04E-08	4.92E-07	1.08E-07	1.48E-07	2.35E-07	4.14E-08	2.81E-08	1.07E-06	5.56E-07	2.36E-07	2.77E-07	1.09E-07	5.56E-07	2.36E-07
730	490336.72	3860285.12	1.82E-03	1.87E-03	1.76E-03	6.30E-07	1.90E-06	1.10E-06	1.13E-06	1.02E-06	4.67E-07	4.40E-07	2.11E-08	5.09E-07	1.12E-07	1.53E-07	2.43E-07	4.28E-08	2.90E-08	1.11E-06	5.75E-07	2.44E-07	2.87E-07	1.13E-07	5.75E-07	2.44E-07
731	490386.72	3860285.12	1.89E-03	1.93E-03	1.82E-03	6.53E-07	1.97E-06	1.14E-06	1.17E-06	1.06E-06	4.84E-07	4.56E-07	2.18E-08	5.27E-07	1.16E-07	1.59E-07	2.52E-07	4.44E-08	3.01E-08	1.15E-06	5.96E-07	2.53E-07	2.97E-07	1.17E-07	5.96E-07	2.53E-07
732	490436.72	3860285.12	1.96E-03	2.00E-03	1.89E-03	6.77E-07	2.05E-06	1.18E-06	1.21E-06	1.10E-06	5.02E-07	4.73E-07	2.26E-08	5.46E-07	1.21E-07	1.65E-07	2.61E-07	4.60E-08	3.12E-08	1.19E-06	6.18E-07	2.62E-07	3.08E-07	1.21E-07	6.18E-07	2.62E-07
733	490486.72	3860285.12	2.03E-03	2.08E-03	1.96E-03	7.04E-07	2.13E-06	1.23E-06	1.26E-06	1.14E-06	5.21E-07	4.92E-07	2.35E-08	5.68E-07	1.25E-07	1.71E-07	2.71E-07	4.78E-08	3.24E-08	1.24E-06	6.42E-07	2.72E-07	3.20E-07	1.26E-07	6.42E-07	2.72E-07
734	490536.72	3860285.12	2.12E-03	2.17E-03	2.04E-03	7.33E-07	2.21E-06	1.28E-06	1.31E-06	1.19E-06	5.43E-07	5.12E-07	2.45E-08	5.91E-07	1.30E-07	1.78E-07	2.82E-07	4.98E-08	3.38E-08	1.29E-06	6.68E-07	2.83E-07	3.33E-07	1.31E-07	6.68E-07	2.83E-07
735	490586.72	3860285.12	2.21E-03	2.26E-03	2.13E-03	7.64E-07	2.31E-06	1.34E-06	1.37E-06	1.24E-06	5.66E-07	5.34E-07	2.55E-08	6.16E-07	1.36E-07	1.86E-07	2.95E-07	5.19E-08	3.52E-08	1.35E-06	6.97E-07	2.96E-07	3.48E-07	1.37E-07	6.97E-07	2.96E-07
736	490636.72	3860285.12	2.31E-03	2.37E-03	2.23E-03	8.00E-07	2.42E-06	1.40E-06	1.43E-06	1.30E-06	5.92E-07	5.59E-07	2.67E-08	6.45E-07	1.42E-07	1.94E-07	3.08E-07	5.44E-08	3.69E-08	1.41E-06	7.29E-07	3.09E-07	3.64E-07	1.43E-07	7.29E-07	3.09E-07
737	490686.72	3860285.12	2.43E-03	2.49E-03	2.35E-03	8.41E-07	2.54E-06	1.47E-06	1.51E-06	1.36E-06	6.23E-07	5.87E-07	2.81E-08	6.78E-07	1.50E-07	2.04E-07	3.24E-07	5.71E-08	3.87E-08	1.48E-06	7.67E-07	3.25E-07	3.83E-07	1.50E-07	7.67E-07	3.25E-07
738	490736.72	3860285.12	2.56E-03	2.62E-03	2.47E-03	8.86E-07	2.67E-06	1.55E-06	1.59E-06	1.44E-06	6.56E-07	6.19E-07	2.96E-08	7.15E-07	1.58E-07	2.15E-07	3.42E-07	6.02E-08	4.08E-08	1.56E-06	8.08E-07	3.43E-07	4.03E-07	1.58E-07	8.08E-07	3.43E-07
739	490786.72	3860285.12	2.71E-03	2.78E-03	2.62E-03	9.38E-07	2.83E-06	1.64E-06	1.68E-06	1.52E-06	6.95E-07	6.55E-07	3.13E-08	7.57E-07	1.67E-07	2.28E-07	3.62E-07	6.37E-08	4.32E-08	1.65E-06	8.55E-07	3.63E-07	4.27E-07	1.68E-07	8.55E-07	3.63E-07
740	490086.72	3860335.12	1.47E-03	1.50E-03	1.42E-03	5.08E-07	1.53E-06	8.88E-07	9.09E-07	8.24E-07	3.76E-07	3.55E-07	1.70E-08	4.10E-07	9.04E-08	1.23E-07	1.96E-07	3.45E-08	2.34E-08	8.94E-07	4.63E-07	1.96E-07	2.31E-07	9.08E-08	4.63E-07	1.96E-07
741	490136.72	3860335.12	1.51E-03	1.54E-03	1.46E-03	5.22E-07	1.58E-06	9.13E-07	9.35E-07	8.47E-07	3.87E-07	3.65E-07	1.74E-08	4.21E-07	9.29E-08	1.27E-07	2.01E-07	3.55E-08	2.41E-08	9.19E-07	4.76E-07	2.02E-07	2.38E-07	9.33E-08	4.76E-07	2.02E-07
742	490186.72	3860335.12	1.55E-03	1.59E-03	1.50E-03	5.37E-07	1.62E-06	9.39E-07	9.61E-07	8.71E-07	3.98E-07	3.75E-07	1.79E-08	4.33E-07	9.56E-08	1.31E-07	2.07E-07	3.65E-08	2.47E-08	9.45E-07	4.90E-07	2.08E-07	2.44E-07	9.60E-08	4.90E-07	2.08E-07
743	490236.72	3860335.12	1.60E-03	1.64E-03	1.54E-03	5.53E-07	1.67E-06	9.66E-07	9.90E-07	8.97E-07	4.09E-07	3.86E-07	1.85E-08	4.46E-07	9.84E-08	1.34E-07	2.13E-07	3.76E-08	2.55E-08	9.73E-07	5.04E-07	2.14E-07	2.52E-07	9.88E-08	5.04E-07	2.14E-07
744	490286.72	3860335.12	1.65E-03	1.69E-03	1.59E-03	5.70E-07	1.72E-06	9.96E-07	1.02E-06	9.24E-07	4.22E-07	3.98E-07	1.90E-08	4.59E-07	1.01E-07	1.38E-07	2.20E-07	3.87E-08	2.62E-08	1.00E-06	5.19E-07	2.20E-07	2.59E-07	1.02E-07	5.19E-07	2.20E-07
745	490336.72	3860335.12	1.70E-03	1.74E-03	1.64E-03	5.88E-07	1.78E-06	1.03E-06	1.05E-06	9.54E-07	4.35E-07	4.11E-07	1.96E-08	4.74E-07	1.05E-07	1.43E-07	2.27E-07	4.00E-08	2.71E-08	1.04E-06	5.36E-07	2.27E-07	2.68E-07	1.05E-07	5.36E-07	2.27E-07
746	490386.72	3860335.12	1.75E-03	1.80E-03	1.70E-03	6.07E-07	1.83E-06	1.06E-06	1.09E-06	9.86E-07	4.50E-07	4.24E-07	2.03E-08	4.90E-07	1.08E-07	1.48E-07	2.34E-07	4.13E-08	2.80E-08	1.07E-06	5.54E-07	2.35E-07	2.76E-07	1.09E-07	5.54E-07	2.35E-07
747	490436.72	3860335.12	1.82E-03	1.86E-03	1.75E-03	6.28E-07	1.90E-06	1.10E-06	1.13E-06	1.02E-06	4.65E-07	4.39E-07	2.10E-08	5.07E-07	1.12E-07	1.53E-07	2.42E-07	4.27E-08	2.90E-08	1.11E-06	5.73E-07	2.43E-07	2.86E-07	1.12E-07	5.73E-07	2.43E-07
748	490486.72	3860335.12	1.88E-03	1.93E-03	1.82E-03	6.51E-07	1.97E-06	1.14E-06	1.17E-06	1.06E-06	4.82E-07	4.55E-07	2.18E-08	5.25E-07	1.16E-07	1.58E-07	2.51E-07	4.43E-08	3.00E-08	1.15E-06	5.94E-07	2.52E-07	2.96E-07	1.16E-07	5.94E-07	2.52E-07
749	490536.72	3860335.12	1.95E-03	2.00E-03	1.89E-03	6.76E-07	2.04E-06	1.18E-06	1.21E-06	1.10E-06	5.01E-07	4.72E-07	2.26E-08	5.46E-07	1.20E-07	1.64E-07	2.61E-07	4.60E-08	3.12E-08	1.19E-06	6.17E-07	2.62E-07	3.08E-07	1.21E-07	6.17E-07	2.62E-07
750	490586.72	3860335.12	2.03E-03	2.08E-03	1.96E-03	7.04E-07	2.13E-06	1.23E-06	1.26E-06	1.14E-06	5.21E-07	4.92E-07	2.35E-08	5.68E-07	1.25E-07	1.71E-07	2.71E-07	4.78E-08	3.24E-08	1.24E-06	6.42E-07	2.72E-07	3.20E-07	1.26E-07	6.42E-07	2.72E-07
751	490636.72	3860335.12	2.12E-03	2.17E-03	2.05E-03	7.34E-07	2.22E-06	1.28E-06	1.31E-06	1.19E-06	5.44E-07	5.13E-07	2.45E-08	5.92E-07	1.31E-07	1.78E-07	2.83E-07	4.99E-08	3.38E-08	1.29E-06	6.69E-07	2.84E-07	3.34E-07	1.31E-07	6.69E-07	2.84E-07
752	490686.72	3860335.12	2.22E-03	2.27E-03	2.14E-03	7.68E-07	2.32E-06	1.34E-06	1.38E-06	1.25E-06	5.69E-07	5.37E-07	2.57E-08	6.20E-07	1.37E-07	1.87E-07	2.96E-07	5.22E-08	3.54E-08	1.35E-06	7.01E-07	2.97E-07	3.50E-07	1.37E-07	7.01E-07	2.97E-07
753	490736.72	3860335.12	2.33E-03	2.39E-03	2.25E-03	8.07E-07	2.44E-06	1.41E-06	1.44E-06	1.31E-06	5.97E-07	5.63E-07	2.69E-08	6.51E-07	1.44E-07	1.96E-07	3.11E-07	5.48E-08	3.72E-08	1.42E-06	7.36E-07	3.12E-07	3.67E-07	1.44E-07	7.36E-07	3.12E-07
754	490786.72	3860335.12	2.46E-03	2.52E-03	2.37E-03	8.51E-07	2.57E-06	1.49E-06	1.52E-06	1.38E-06	6.30E-07	5.94E-07	2.84E-08	6.86E-07	1.51E-07	2.07E-07	3.28E-07	5.78E-08	3.92E-08	1.50E-06	7.76E-07	3.29E-07	3.87E-07	1.52E-07	7.76E-07	3.29E-07
755	490086.72	3860385.12	1.39E-03	1.43E-03	1.35E-03	4.82E-07	1.46E-06	8.43E-07	8.63E-07	7.83E-07	3.57E-07	3.37E-07	1.61E-08	3.89E-07	8.58E-08	1.17E-07	1.86E-07	3.28E-08	2.22E-08	8.49E-07	4.40E-07	1.87E-07	2.19E-07	8.62E-08	4.40E-07	1.87E-07
756	490136.72	3860385.12	1.43E-03	1.46E-03	1.38E-03	4.95E-07	1.49E-06	8.64E-07	8.85E-07	8.03E-07	3.66E-07	3.45E-07	1.65E-08	3.99E-07	8.80E-08	1.20E-07	1.91E-07	3.36E-08	2.28E-08	8.71E-07	4.51E-07	1.91E-07	2.25E-07	8.84E-08	4.51E-07	1.91E-07
757	490186.72	3860385.12	1.47E-03	1.50E-03	1.42E-03	5.07E-07	1.53E-06	8.87E-07	9.08E-07	8.23E-07	3.76E-07	3.54E-07	1.69E-08	4.09E-07	9.03E-08	1.23E-07	1.96E-07	3.45E-08	2.34E-08	8.93E-07	4.63E-07	1.96E-07	2.31E-07	9.07E-08	4.63E-07	1.96E-07
758	490236.72	3860385.12	1.51E-03	1.54E-03	1.45E-03	5.21E-07	1.57E-06	9.11E-07	9.33E-07	8.46E-07	3.86E-07	3.64E-07	1.74E-08	4.20E-07	9.28E-08	1.27E-07	2.01E-07	3.54E-08	2.40E-08	9.18E-07	4.75E-07	2.02E-07	2.37E-07	9.32E-08	4.75E-07	2.02E-07
759	490286.72	3860385.12	1.55E-03	1.59E-03	1.50E-03	5.36E-07	1.62E-06	9.37E-07	9.59E-07	8.70E-07	3.97E-07	3.74E-07	1.79E-08	4.32E-07	9.54E-08	1.30E-07	2.07E-07	3.64E-08	2.47E-08	9.44E-07	4.89E-07	2.07E-07	2.44E-07	9.58E-08	4.89E-07	2.07E-07
760	490336.72	3860385.12	1.59E-03	1.63E-03	1.54E-03	5.52E-07	1.67E-06	9.64E-07	9.88E-07	8.95E-07	4.09E-07	3.85E-07	1.84E-08	4.45E-07	9.82E-08	1.34E-07	2.13E-07	3.75E-08	2.54E-08	9.71E-07	5.03E-07	2.13E-07	2.51E-07	9.86E-08	5.03E-07	2.13E-07
761	490386.72	3860385.12	1.64E-03	1.68E-03	1.59E-03	5.69E-07	1.72E-06	9.94E-07	1.02E-06	9.23E-07	4.21E-07	3.97E-07	1.90E-08	4.59E-07	1.01E-07	1.38E-07	2.19E-07	3.86E-08	2.62E-08	1.00E-06	5.18E-07	2.20E-07	2.59E-07	1.02E-07	5.18E-07	2.20E-07
762	490436.72	3860385.12	1.70E-03	1.74E-03	1.64E-03	5.88E-07	1.77E-06	1.03E-06	1.05E-06	9.53E-07	4.35E-07	4.10E-07	1.96E-08	4.74E-07	1.05E-07	1.43E-07	2.27E-07	3.99E-08	2.71E-08	1.03E-06	5.36E-07	2.27E-07	2.67E-07	1.05E-07	5.36E-07	2.27E-07
763	490486.72	3860385.12	1.75E-03	1.80E-03	1.70E-03	6.07E-07	1.83E-06	1.06E-06	1.09E-06	9.86E-07	4.50E-07	4.24E-07	2.03E-08	4.90E-07	1.08E-07	1.48E-07	2.34E-07	4.13E-08	2.80E-08	1.07E-06	5.54E-07	2.35E-07	2.76E-07	1.09E-07	5.54E-07	2.35E-07

764	490536.72	3860385.12	1.82E-03	1.86E-03	1.76E-03	6.29E-07	1.90E-06	1.10E-06	1.13E-06	1.02E-06	4.66E-07	4.40E-07	2.10E-08	5.08E-07	1.12E-07	1.53E-07	2.43E-07	4.28E-08	2.90E-08	1.11E-06	5.74E-07	2.43E-07	2.86E-07	1.13E-07	5.74E-07	2.43E-07
765	490586.72	3860385.12	1.89E-03	1.93E-03	1.82E-03	6.53E-07	1.97E-06	1.14E-06	1.17E-06	1.06E-06	4.84E-07	4.56E-07	2.18E-08	5.27E-07	1.16E-07	1.59E-07	2.52E-07	4.44E-08	3.01E-08	1.15E-06	5.96E-07	2.53E-07	2.97E-07	1.17E-07	5.96E-07	2.53E-07
766	490636.72	3860385.12	1.96E-03	2.01E-03	1.90E-03	6.79E-07	2.05E-06	1.19E-06	1.22E-06	1.10E-06	5.03E-07	4.75E-07	2.27E-08	5.48E-07	1.21E-07	1.65E-07	2.62E-07	4.62E-08	3.13E-08	1.20E-06	6.20E-07	2.63E-07	3.09E-07	1.21E-07	6.20E-07	2.63E-07
767	490686.72	3860385.12	2.05E-03	2.10E-03	1.98E-03	7.09E-07	2.14E-06	1.24E-06	1.27E-06	1.15E-06	5.25E-07	4.95E-07	2.37E-08	5.72E-07	1.26E-07	1.72E-07	2.73E-07	4.82E-08	3.27E-08	1.25E-06	6.47E-07	2.74E-07	3.23E-07	1.27E-07	6.47E-07	2.74E-07
768	490736.72	3860385.12	2.14E-03	2.19E-03	2.07E-03	7.41E-07	2.24E-06	1.30E-06	1.33E-06	1.20E-06	5.49E-07	5.18E-07	2.48E-08	5.98E-07	1.32E-07	1.80E-07	2.86E-07	5.04E-08	3.42E-08	1.31E-06	6.76E-07	2.87E-07	3.37E-07	1.33E-07	6.76E-07	2.87E-07
769	490786.72	3860385.12	2.25E-03	2.30E-03	2.17E-03	7.78E-07	2.35E-06	1.36E-06	1.39E-06	1.26E-06	5.76E-07	5.43E-07	2.60E-08	6.28E-07	1.38E-07	1.89E-07	3.00E-07	5.29E-08	3.58E-08	1.37E-06	7.09E-07	3.01E-07	3.54E-07	1.39E-07	7.09E-07	3.01E-07
770	490136.72	3860435.12	1.36E-03	1.39E-03	1.31E-03	4.71E-07	1.42E-06	8.23E-07	8.43E-07	7.64E-07	3.49E-07	3.29E-07	1.57E-08	3.80E-07	8.38E-08	1.14E-07	1.82E-07	3.20E-08	2.17E-08	8.29E-07	4.29E-07	1.82E-07	2.14E-07	8.42E-08	4.29E-07	1.82E-07
771	490186.72	3860435.12	1.39E-03	1.43E-03	1.35E-03	4.83E-07	1.46E-06	8.44E-07	8.64E-07	7.84E-07	3.58E-07	3.37E-07	1.61E-08	3.89E-07	8.59E-08	1.17E-07	1.86E-07	3.28E-08	2.22E-08	8.50E-07	4.40E-07	1.87E-07	2.20E-07	8.63E-08	4.40E-07	1.87E-07
772	490236.72	3860435.12	1.43E-03	1.46E-03	1.38E-03	4.95E-07	1.49E-06	8.64E-07	8.85E-07	8.03E-07	3.66E-07	3.45E-07	1.65E-08	3.99E-07	8.80E-08	1.20E-07	1.91E-07	3.36E-08	2.28E-08	8.71E-07	4.51E-07	1.91E-07	2.25E-07	8.84E-08	4.51E-07	1.91E-07
773	490286.72	3860435.12	1.47E-03	1.50E-03	1.42E-03	5.07E-07	1.53E-06	8.87E-07	9.08E-07	8.23E-07	3.76E-07	3.54E-07	1.69E-08	4.09E-07	9.03E-08	1.23E-07	1.96E-07	3.45E-08	2.34E-08	8.93E-07	4.63E-07	1.96E-07	2.31E-07	9.07E-08	4.63E-07	1.96E-07
774	490336.72	3860435.12	1.51E-03	1.54E-03	1.45E-03	5.21E-07	1.57E-06	9.11E-07	9.33E-07	8.46E-07	3.86E-07	3.64E-07	1.74E-08	4.20E-07	9.28E-08	1.27E-07	2.01E-07	3.54E-08	2.40E-08	9.18E-07	4.75E-07	2.02E-07	2.37E-07	9.32E-08	4.75E-07	2.02E-07
775	490386.72	3860435.12	1.55E-03	1.59E-03	1.50E-03	5.36E-07	1.62E-06	9.38E-07	9.60E-07	8.71E-07	3.97E-07	3.75E-07	1.79E-08	4.33E-07	9.55E-08	1.30E-07	2.07E-07	3.65E-08	2.47E-08	9.44E-07	4.89E-07	2.08E-07	2.44E-07	9.59E-08	4.89E-07	2.08E-07
776	490436.72	3860435.12	1.60E-03	1.63E-03	1.54E-03	5.52E-07	1.67E-06	9.65E-07	9.89E-07	8.96E-07	4.09E-07	3.86E-07	1.84E-08	4.45E-07	9.83E-08	1.34E-07	2.13E-07	3.75E-08	2.54E-08	9.72E-07	5.04E-07	2.14E-07	2.51E-07	9.87E-08	5.04E-07	2.14E-07
777	490486.72	3860435.12	1.65E-03	1.69E-03	1.59E-03	5.70E-07	1.72E-06	9.97E-07	1.02E-06	9.25E-07	4.22E-07	3.98E-07	1.90E-08	4.60E-07	1.01E-07	1.39E-07	2.20E-07	3.87E-08	2.63E-08	1.00E-06	5.20E-07	2.21E-07	2.59E-07	1.02E-07	5.20E-07	2.21E-07
778	490536.72	3860435.12	1.70E-03	1.74E-03	1.64E-03	5.89E-07	1.78E-06	1.03E-06	1.05E-06	9.56E-07	4.36E-07	4.11E-07	1.97E-08	4.75E-07	1.05E-07	1.43E-07	2.27E-07	4.00E-08	2.71E-08	1.04E-06	5.37E-07	2.28E-07	2.68E-07	1.05E-07	5.37E-07	2.28E-07
779	490586.72	3860435.12	1.76E-03	1.80E-03	1.70E-03	6.10E-07	1.84E-06	1.07E-06	1.09E-06	9.90E-07	4.52E-07	4.26E-07	2.04E-08	4.92E-07	1.09E-07	1.48E-07	2.35E-07	4.15E-08	2.81E-08	1.07E-06	5.56E-07	2.36E-07	2.78E-07	1.09E-07	5.56E-07	2.36E-07
780	490636.72	3860435.12	1.83E-03	1.87E-03	1.77E-03	6.33E-07	1.91E-06	1.11E-06	1.13E-06	1.03E-06	4.69E-07	4.42E-07	2.11E-08	5.11E-07	1.13E-07	1.54E-07	2.44E-07	4.30E-08	2.92E-08	1.11E-06	5.77E-07	2.45E-07	2.88E-07	1.13E-07	5.77E-07	2.45E-07
781	490686.72	3860435.12	1.90E-03	1.95E-03	1.84E-03	6.59E-07	1.99E-06	1.15E-06	1.18E-06	1.07E-06	4.88E-07	4.60E-07	2.20E-08	5.31E-07	1.17E-07	1.60E-07	2.54E-07	4.48E-08	3.03E-08	1.16E-06	6.00E-07	2.55E-07	3.00E-07	1.18E-07	6.00E-07	2.55E-07
782	490736.72	3860435.12	1.98E-03	2.03E-03	1.92E-03	6.87E-07	2.07E-06	1.20E-06	1.23E-06	1.11E-06	5.08E-07	4.80E-07	2.29E-08	5.54E-07	1.22E-07	1.67E-07	2.65E-07	4.67E-08	3.16E-08	1.21E-06	6.26E-07	2.66E-07	3.12E-07	1.23E-07	6.26E-07	2.66E-07
783	490786.72	3860435.12	2.08E-03	2.13E-03	2.00E-03	7.18E-07	2.17E-06	1.26E-06	1.29E-06	1.17E-06	5.32E-07	5.02E-07	2.40E-08	5.79E-07	1.28E-07	1.75E-07	2.77E-07	4.88E-08	3.31E-08	1.26E-06	6.55E-07	2.78E-07	3.27E-07	1.28E-07	6.55E-07	2.78E-07
784	490136.72	3860485.12	1.31E-03	1.34E-03	1.26E-03	4.52E-07	1.37E-06	7.90E-07	8.09E-07	7.34E-07	3.35E-07	3.16E-07	1.51E-08	3.65E-07	8.05E-08	1.10E-07	1.74E-07	3.07E-08	2.08E-08	7.96E-07	4.12E-07	1.75E-07	2.06E-07	8.08E-08	4.12E-07	1.75E-07
785	490186.72	3860485.12	1.33E-03	1.37E-03	1.29E-03	4.62E-07	1.39E-06	8.07E-07	8.27E-07	7.50E-07	3.42E-07	3.23E-07	1.54E-08	3.73E-07	8.22E-08	1.12E-07	1.78E-07	3.14E-08	2.13E-08	8.13E-07	4.21E-07	1.79E-07	2.10E-07	8.26E-08	4.21E-07	1.79E-07
786	490236.72	3860485.12	1.37E-03	1.40E-03	1.32E-03	4.73E-07	1.43E-06	8.26E-07	8.46E-07	7.67E-07	3.50E-07	3.30E-07	1.58E-08	3.81E-07	8.41E-08	1.15E-07	1.82E-07	3.21E-08	2.18E-08	8.32E-07	4.31E-07	1.83E-07	2.15E-07	8.45E-08	4.31E-07	1.83E-07
787	490286.72	3860485.12	1.40E-03	1.43E-03	1.35E-03	4.84E-07	1.46E-06	8.46E-07	8.66E-07	7.85E-07	3.58E-07	3.38E-07	1.62E-08	3.90E-07	8.61E-08	1.18E-07	1.87E-07	3.29E-08	2.23E-08	8.52E-07	4.41E-07	1.87E-07	2.20E-07	8.65E-08	4.41E-07	1.87E-07
788	490336.72	3860485.12	1.43E-03	1.47E-03	1.38E-03	4.96E-07	1.50E-06	8.67E-07	8.88E-07	8.05E-07	3.67E-07	3.47E-07	1.66E-08	4.00E-07	8.83E-08	1.21E-07	1.91E-07	3.37E-08	2.29E-08	8.73E-07	4.52E-07	1.92E-07	2.26E-07	8.87E-08	4.52E-07	1.92E-07
789	490386.72	3860485.12	1.47E-03	1.51E-03	1.42E-03	5.09E-07	1.54E-06	8.90E-07	9.12E-07	8.27E-07	3.77E-07	3.56E-07	1.70E-08	4.11E-07	9.07E-08	1.24E-07	1.96E-07	3.46E-08	2.35E-08	8.97E-07	4.64E-07	1.97E-07	2.32E-07	9.11E-08	4.64E-07	1.97E-07
790	490436.72	3860485.12	1.51E-03	1.55E-03	1.46E-03	5.24E-07	1.58E-06	9.15E-07	9.38E-07	8.50E-07	3.88E-07	3.66E-07	1.75E-08	4.22E-07	9.32E-08	1.27E-07	2.02E-07	3.56E-08	2.41E-08	9.22E-07	4.77E-07	2.03E-07	2.38E-07	9.36E-08	4.77E-07	2.03E-07
791	490486.72	3860485.12	1.56E-03	1.59E-03	1.50E-03	5.39E-07	1.63E-06	9.42E-07	9.65E-07	8.75E-07	3.99E-07	3.76E-07	1.80E-08	4.35E-07	9.59E-08	1.31E-07	2.08E-07	3.66E-08	2.48E-08	9.49E-07	4.91E-07	2.09E-07	2.45E-07	9.64E-08	4.91E-07	2.09E-07
792	490536.72	3860485.12	1.60E-03	1.64E-03	1.55E-03	5.55E-07	1.68E-06	9.71E-07	9.94E-07	9.01E-07	4.11E-07	3.88E-07	1.85E-08	4.48E-07	9.88E-08	1.35E-07	2.14E-07	3.77E-08	2.56E-08	9.78E-07	5.06E-07	2.15E-07	2.53E-07	9.93E-08	5.06E-07	2.15E-07
793	490586.72	3860485.12	1.66E-03	1.70E-03	1.60E-03	5.73E-07	1.73E-06	1.00E-06	1.03E-06	9.30E-07	4.24E-07	4.00E-07	1.91E-08	4.62E-07	1.02E-07	1.39E-07	2.21E-07	3.90E-08	2.64E-08	1.01E-06	5.23E-07	2.22E-07	2.61E-07	1.02E-07	5.23E-07	2.22E-07
794	490636.72	3860485.12	1.71E-03	1.76E-03	1.66E-03	5.94E-07	1.79E-06	1.04E-06	1.06E-06	9.63E-07	4.40E-07	4.15E-07	1.98E-08	4.79E-07	1.06E-07	1.44E-07	2.29E-07	4.03E-08	2.74E-08	1.05E-06	5.41E-07	2.30E-07	2.70E-07	1.06E-07	5.41E-07	2.30E-07
795	490686.72	3860485.12	1.78E-03	1.82E-03	1.72E-03	6.15E-07	1.86E-06	1.08E-06	1.10E-06	9.98E-07	4.55E-07	4.30E-07	2.05E-08	4.96E-07	1.09E-07	1.50E-07	2.37E-07	4.18E-08	2.83E-08	1.08E-06	5.61E-07	2.38E-07	2.80E-07	1.10E-07	5.61E-07	2.38E-07
796	490736.72	3860485.12	1.85E-03	1.89E-03	1.79E-03	6.40E-07	1.93E-06	1.12E-06	1.15E-06	1.04E-06	4.74E-07	4.47E-07	2.14E-08	5.16E-07	1.14E-07	1.56E-07	2.47E-07	4.35E-08	2.95E-08	1.13E-06	5.84E-07	2.48E-07	2.91E-07	1.14E-07	5.84E-07	2.48E-07
797	490786.72	3860485.12	1.93E-03	1.97E-03	1.86E-03	6.67E-07	2.01E-06	1.17E-06	1.19E-06	1.08E-06	4.94E-07	4.66E-07	2.23E-08	5.38E-07	1.19E-07	1.62E-07	2.57E-07	4.53E-08	3.07E-08	1.17E-06	6.08E-07	2.58E-07	3.04E-07	1.19E-07	6.08E-07	2.58E-07
798	490136.72	3860535.12	1.26E-03	1.29E-03	1.21E-03	4.35E-07	1.31E-06	7.61E-07	7.79E-07	7.06E-07	3.22E-07	3.04E-07	1.45E-08	3.51E-07	7.75E-08	1.06E-07	1.68E-07	2.96E-08	2.01E-08	7.66E-07	3.97E-07	1.68E-07	1.98E-07	7.78E-08	3.97E-07	1.68E-07
799	490186.72	3860535.12	1.28E-03	1.32E-03	1.24E-03	4.44E-07	1.34E-06	7.77E-07	7.96E-07	7.21E-07	3.29E-07	3.10E-07	1.48E-08	3.59E-07	7.91E-08	1.08E-07	1.71E-07	3.02E-08	2.05E-08	7.83E-07	4.05E-07	1.72E-07	2.02E-07	7.95E-08	4.05E-07	1.72E-07
800	490236.72	3860535.12	1.31E-03	1.34E-03	1.27E-03	4.54E-07	1.37E-06	7.94E-07	8.13E-07	7.37E-07	3.36E-07	3.17E-07	1.52E-08	3.66E-07	8.08E-08	1.10E-07	1.75E-07	3.09E-08	2.09E-08	8.00E-07	4.14E-07	1.76E-07	2.07E-07	8.12E-08	4.14E-07	1.76E-07
801	490286.72	3860535.12	1.34E-03	1.37E-03	1.29E-03	4.64E-07	1.40E-06	8.11E-07	8.30E-07	7.53E-07	3.44E-07	3.24E-07	1.55E-08	3.74E-07	8.26E-08	1.13E-07	1.79E-07	3.15E-08	2.14E-08	8.17E-07	4.23E-07	1.79E-07	2.11E-07	8.29E-08	4.23E-07	1.79E-07
802	490336.72	3860535.12	1.37E-03	1.41E-03	1.33E-03	4.75E-07	1.43E-06	8.30E-07	8.51E-07	7.71E-07	3.52E-07	3.32E-07	1.59E-08	3.83E-07	8.46E-08	1.15E-07	1.83E-07	3.23E-08	2.19E-08	8.37E-07	4.33E-07	1.84E-07	2.16E-07	8.49E-08	4.33E-07	1.84E-07
803	490386.72	3860535.12	1.41E-03	1.44E-03	1.36E-03	4.87E-07	1.47E-06	8.51E-07	8.72E-07	7.90E-07	3.61E-07	3.40E-07	1.63E-08	3.93E-07	8.67E-08	1.18E-07	1.88E-07	3.31E-08	2.24E-08	8.57E-07	4.44E-07	1.88E-07	2.22E-07	8.70E-08	4.44E-07	1.88E-07
804	490436.72	3860535.12	1.44E-03	1.48E-03	1.39E-03	4.99E-07	1.51E-06	8.72E-07	8.94E-07	8.10E-07	3.70E-07	3.49E-07	1.67E-08	4.03E-07	8.88E-08	1.21E-07	1.92E-07	3.39E-08	2.30E-08	8.79E-07	4.55E-07	1.93E-07	2.27E-07	8.92E-08	4.55E-07	1.93E-07
805	490486.72	3860535.12	1.48E-03	1.52E-03	1.43E-03	5.13E-07	1.55E-06	8.97E-07	9.18E-07	8.32E-07	3.80E-07	3.58E-07	1.71E-08	4.14E-07	9.13E-08	1.25E-07	1.98E-07	3.49E-08	2.36E-08	9.03E-07	4.68E-07	1.98E-07	2.33E-07	9.17E-08	4.68E-07	1.98E-07
806	490536.72	3860535.12	1.52E-03	1.56E-03	1.47E-03	5.28E-07	1.59E-06	9.22E-07	9.45E-07	8.56E-07	3.91E-07	3.69E-07	1.76E-08	4.26E-07	9.39E-08	1.28E-07	2.03E-07	3.59E-08	2.43E-08	9.29E-07	4.81E-07	2.04E-07	2.40E-07	9.44E-08	4.81E-07	2.04E-07
807	490586.72	3860535.12	1.57E-03	1.61E-03	1.52E-03	5.43E-07	1.64E-06	9.49E-07	9.72E-07	8.81E-07	4.02E-07	3.79E-07	1.81E-08	4.38E-07	9.67E-08	1.32E-07	2.09E-07	3.69E-08	2.50E-08	9.56E-07	4.95E-07	2.10E-07	2.47E-07	9.71E-08	4.95E-07	2.10E-07
808	490636.72	3860535.12	1.62E-03	1.66E-03	1.56E-03	5.60E-07	1.69E-06	9.80E-07	1.00E-06	9.10E-07	4.15E-07	3.91E-07	1.87E-08	4.52E-07	9.98E-08	1.36E-07	2.16E-07	3.81E-08	2.58E-08	9.87E-07	5.11E-07	2.17E-07	2.55E-07	1.00E-07	5.11E-07	2.17E-07
809	490686.72	3860535.12	1.67E-03	1.71E-03	1.62E-03	5.79E-07	1.75E-06	1.01E-06	1.04E-06	9.40E-07	4.29E-07	4.05E-07	1.93E-08	4.67E-07	1.03E-07	1.41E-07	2.23E-07	3.94E-08	2.67E-08	1.02E-06	5.28E-07	2.24E-07	2.64E-07	1.04E-07	5.28E-07	2.24E-07
810	490736.72	3860535.12	1.73E-03	1.78E-03	1.68E-03	6.00E-07	1.81E-06	1.05E-06	1.07E-06	9.74E-07	4.45E-07	4.19E-07	2.00E-08	4.84E-07	1.07E-07	1.46E-07	2.31E-07	4.08E-08	2.77E-08	1.06E-06	5.47E-07	2.32E-07	2.73E-07	1.07E-07	5.47E-07	2.32E-07
811	490786.72	3860535.12	1.80E-03	1.85E-03	1.74E-03	6.24E-07	1.89E-06	1.09E-06	1.12E-06	1.01E-06	4.62E-07	4.36E-07	2.08E-08	5.04E-07	1.11E-07	1.52E-07	2.41E-07	4.24E-08	2.88E-08	1.10E-06	5.69E-07	2.42E-07	2.84E-07	1.12E-07	5.69E-07	2.42E-07
812	490136.72	3860585.12	1.21E-03	1.24E-03	1.17E-03	4.20E-07	1.27E-06	7.34E-07	7.52E-07	6.82E-07	3.11E-07	2.93E-07	1.40E-08	3.39E-07	7.47E-08	1.02E-07	1.62E-07	2.85E-08	1.93E-08	7.39E-07	3.83E-07	1.62E-07	1.91E-07	7.51E-08	3.83E-07	1.62E-07
813	490186.72	3860585.12	1.24E-03	1.27E-03	1.19E-03	4.28E-07	1.29E-06	7.47E-07	7.66E-07	6.94E-07	3.17E-07	2.99E-07	1.43E-08	3.45E-07	7.61E-08	1.04E-07	1.65E-07	2.91E-08	1.97E-08	7.53E-07	3.90E-07	1.65E-07	1.95E-07	7.65E-08	3.90E-07	1.65E-07
814	490236.72	3860585.12	1.26E-03	1.29E-03	1.22E-03	4.37E-07	1.32E-06	7.64E-07	7.82E-07	7.09E-07	3.23E-07	3.05E-07	1.46E-08	3.52E-07	7.77E-08	1.06E-07	1.68E-07	2.97E-08	2.01E-08	7.69E-07	3.98E-07	1.69E-07	1.99E-07	7.81E-08	3.98E-07	1.69E-07
815	490286.72	3860585.12	1.29E-03	1.32E-03	1.25E-03	4.47E-07	1.35E-06	7.80E-07	7.99E-07	7.25E-07	3.31E-07	3.12E-07	1.49E-08	3.60E-07	7.95E-08	1.09E-07	1.72E-07	3.03E-08	2.06E-08	7.86E-07	4.07E-07	1.73E-07	2.03E-07	7.98E-08	4.07E-07	1.73E-07
816	490336.72	3860585.12	1.32E-03	1.35E-03	1.27E-03	4.57E-07	1.38E-06	7.98E-07	8.18E-07	7.41E-07	3.38E-07	3.19E-07	1.53E-08	3.68E-07	8.13E-08	1.11E-07	1.76E-07	3.10E-08	2.10E-08	8.04E-07	4.16E-07	1.77E-07	2.08E-07	8.17E-08	4.16E-07	1.77E-07
817	490386.72	3860585.12	1.35E-03	1.38E-03	1.30E-03	4.67E-07	1.41E-06	8.16E-07	8.36E-07	7.58E-07	3.46E-07	3.26E-07	1.56E-08	3.77E-07	8.31E-08	1.14E-07	1.80E-07	3.17E-08	2.15E-08	8.22E-07	4.26E-07	1.81E-07	2.13E-07	8.35E-08	4.26E-07	1.81E-07
818	490436.72	3860585.12	1.38E-03	1.42E-03	1.34E-03	4.79E-07	1.45E-06	8.37E-07	8.57E-07	7.77E-07	3.54E-07	3.34E-07	1.60E-08	3.86E-07	8.52E-08	1.16E-07	1.85E-07	3.25E-08	2.21E-08	8.43E-07	4.36E-07	1.85E-07	2.18E-07	8.56E-08	4.36E-07	1.85E-07
819	490486.72	3860585.12	1.42E-03	1.45E-03	1.37E-03	4.91E-07	1.48E-06	8.58E-07	8.79E-07	7.97E-07	3.64E-07	3.43E-07	1.64E-08	3.96E-07	8.74E-08	1.19E-07	1.89E-07	3.34E-08	2.26E-08	8.64E-07	4.48E-07	1.90E-07	2.23E-07	8.78E-08	4.48E-07	1.90E-07
820	490536.72	3860585.12	1.46E-03	1.49E-03	1.41E-03	5.04E-07	1.52E-06	8.81E-07	9.03E-07	8.18E-07	3.73E-07	3.52E-07	1.68E-08	4.07E-07	8.98E-08	1.23E-07	1.94E-07	3.43E-08	2.32E-08	8.88E-07	4.60E-07	1.95E-07	2.29E-07	9.02E-08	4.60E-07	1.95E-07
821	490586.72	3860585.12	1.50E-03	1.53E-03	1.44E-03	5.18E-07	1.56E-06	9.05E-07	9.27E-07	8.40E-07	3.83E-07	3.61E-07	1.73E-08	4.17E-07	9.21E-08	1.26E-07	2.00E-07	3.52E-08	2.38E-08	9.11E-07	4.72E-07	2.00E-07	2.36E-07	9.25E-08	4.72E-07	2.00E-07
822	490636.72	3860585.12	1.54E-03	1.58E-03	1.49E-03	5.33E-07	1.61E-06	9.31E-07	9.54E-07	8.65E-07	3.95E-07	3.72E-07	1.78E-08	4.30E-07	9.48E-08	1.30E-07	2.05E-07	3.62E-08	2.46E-08	9.38E-07	4.86E-07	2.06E-07	2.42E-07	9.53E-08	4.86E-07	2.06E-07
823	490686.72	3860585.12	1.59E-03	1.62E-03	1.53E-03	5.49E-07	1.66E-06	9.60E-07	9.83E-07	8.91E-07	4.07E-07	3.84E-07	1.83E-08	4.43E-07	9.78E-08	1.33E-07	2.12E-07	3.73E-08	2.53E-08	9.67E-07	5.01E-07	2.12E-07	2.50E-07	9.82E-08	5.01E-07	2.12E-07
824	490736.72	3860585.12	1.64E-03	1.68E-03	1.58E-03	5.68E-07	1.71E-06	9.92E-07	1.02E-06	9.21E-07	4.20E-07	3.96E-07	1.90E-08	4.58E-07	1.01E-07	1.38E-07	2.19E-07	3.86E-08	2.62E-08	9.99E-07	5.18E-07	2.20E-07	2.58E-07	1.01E-07	5.18E-07	2.20E-07
825	490786.72	3860585.12	1.70E-03	1.74E-03	1.64E-03	5.88E-07	1.78E-06	1.03E-06	1.05E-06	9.54E-07	4.35E-07	4.11E-07	1.96E-08	4.74E-07	1.05E-07	1.43E-07	2.27E-07	4.00E-08	2.71E-08	1.04E-06	5.36E-07	2.27E-07	2.68E-07	1.05E-07	5.36E-07	2.27E-07
826	490136.72	3860635.12	1.17E-03	1.20E-03	1.13E-03	4.04E-07	1.22E-06	7.06E-07	7.23E-07	6.56E-07	2.99E-07	2.82E-07	1.35E-08	3.26E-07	7.19E-08	9.82E-08	1.56E-07	2.75E-08	1.86E-08	7.12E-07	3.68E-07	1.56E-07	1.84E-07	7.22E-08	3.68E-07	1.56E-07
827	490186.72	3860635.12	1.19E-03	1.22E-03	1.15E-03	4.13E-07	1.25E-06	7.22E-07	7.39E-07	6.70E-07	3.06E-07	2.88E-07	1.38E-08	3.33E-07	7.35E-08	1.00E-07	1.59E-07	2.81E-08	1.90E-08	7.27E-07	3.76E-07	1.60E-07	1.88E-07	7.38E-08	3.76E-07	1.60E-07
828	490236.72	3860635.12	1.22E-03	1.25E-03	1.18E-03	4.21E-07	1.27E-06	7.37E-07	7.55E-07	6.84E-07	3.12E-07	2.94E-07	1.41E-08	3.40E-07	7.50E-08	1.02E-07	1.63E-07	2.86E-08	1.94E-08	7.42E-07	3.84E-07	1.63E-07	1.92E-07	7.54E-08	3.84E-07	1.63E-07
829	490286.72	3860635.12	1.24E-03	1.27E-03	1.20E-03	4.30E-07	1.30E-06	7.52E-07	7.70E-07	6.98E-07	3.19E-07	3.00E-07	1.44E-08	3.47E-07	7.66E-08	1.05E-07	1.66E-07	2.92E-08	1.98E-08	7.57E-07	3.92E-07	1.66E-07	1.96E-07	7.69E-08	3.92E-07	1.66E-07
830	490336.72	3860635.12	1.27E-03	1.30E-03	1.23E-03	4.40E-07	1.33E-06	7.69E-07	7.88E-07	7.14E-07	3.26E-07	3.07E-07	1.47E-08	3.55E-07	7.83E-08	1.07E-07	1.70E-07	2.99E-08	2.03E-08	7.74E-07	4.01E-07	1.70E-07	2.00E-07	7.86E-08	4.01E-07	1.70E-07
831	490386.72	3860635.12	1.30E-03	1.33E-03	1.25E-03	4.50E-07	1.36E-06	7.86E-07	8.05E-07	7.30E-07	3.33E-07	3.14E-07	1.50E-08	3.63E-07	8.00E-08	1.09E-07	1.73E-07	3.06E-08	2.07E-08	7.92E-07	4.10E-07	1.74E-07	2.05E-07	8.04E-08	4.10E-07	1.74E-07
832	490436.72	3860635.12	1.33E-03	1.36E-03	1.28E-03	4.60E-07	1.39E-06	8.05E-07	8.24E-07	7.47E-07	3.41E-07	3.22E-07	1.54E-08	3.71E-07	8.19E-08	1.12E-07	1.77E-07	3.13E-08	2.12E-08	8.10E-07	4.20E-07	1.78E-07	2.09E-07	8.23E-08	4.20E-07	1.78E-07
833	490486.72	3860635.12	1.36E-03	1.40E-03	1.32E-03	4.72E-07	1.42E-06	8.24E-07	8.44E-07	7.65E-07	3.49E-07	3.29E-07	1.57E-08	3.80E-07	8.39E-08	1.15E-07	1.82E-07	3.20E-08	2.17E-08	8.30E-07	4.30E-07	1.82E-07	2.15E-07	8.43E-08	4.30E-07	1.82E-07
834	490536.72	3860635.12	1.40E-03	1.43E-03	1.35E-03	4.84E-07	1.46E-06	8.46E-07	8.66E-07	7.85E-07	3.58E-07	3.38E-07	1.62E-08	3.90E-07	8.61E-08	1.18E-07	1.87E-07	3.29E-08	2.23E-08	8.52E-07	4.41E-07	1.87E-07	2.20E-07	8.65E-08	4.41E-07	1.87E-07
835	490586.72	3860635.12	1.43E-03	1.47E-03	1.38E-03	4.96E-07	1.50E-06	8.67E-07	8.88E-07	8.05E-07	3.67E-07	3.47E-07	1.66E-08	4.00E-07	8.83E-08	1.21E-07	1.91E-07	3.37E-08	2.29E-08	8.73E-07	4.52E-07	1.92E-07	2.26E-07	8.87E-08	4.52E-07	1.92E-07
836	490636.72	3860635.12	1.47E-03	1.51E-03	1.42E-03	5.09E-07	1.54E-06	8.90E-07	9.12E-07	8.27E-07	3.77E-07	3.56E-07	1.70E-08	4.11E-07	9.07E-08	1.24E-07	1.96E-07	3.46E-08	2.35E-08	8.97E-07	4.64E-07	1.97E-07	2.32E-07	9.11E-08	4.64E-07	1.97E-07
837	490686.72	3860635.12	1.51E-03	1.55E-03	1.46E-03	5.24E-07	1.58E-06	9.16E-07	9.38E-07	8.51E-07	3.88E-07	3.66E-07	1.75E-08	4.23E-07	9.33E-08	1.27E-07	2.02E-07	3.56E-08	2.42E-08	9.23E-07	4.78E-07	2.03E-07	2.39E-07	9.37E-08	4.78E-07	2.03E-07
838	490736.72	3860635.12	1.56E-03	1.60E-03	1.51E-03	5.40E-07	1.63E-06	9.44E-07	9.67E-07	8.76E-07	4.00E-07	3.77E-07	1.80E-08	4.36E-07	9.61E-08	1.31E-07	2.08E-07	3.67E-08	2.49E-08	9.51E-07	4.92E-07	2.09E-07	2.46E-07	9.65E-08	4.92E-07	2.09E-07
839	490786.72	3860635.12	1.61E-03	1.65E-03	1.56E-03	5.58E-07	1.68E-06	9.75E-07	9.99E-07	9.05E-07	4.13E-07	3.90E-07	1.86E-08	4.50E-07	9.93E-08	1.36E-07	2.15E-07	3.79E-08	2.57E-08	9.82E-07	5.09E-07	2.16E-07	2.54E-07	9.97E-08	5.09E-07	2.16E-07
840	490136.72	3860685.12	1.12E-03	1.15E-03	1.09E-03	3.89E-07	1.18E-06	6.80E-07	6.97E-07	6.32E-07	2.88E-07	2.72E-07	1.30E-08	3.14E-07	6.93E-08	9.46E-08	1.50E-07	2.65E-08	1.79E-08	6.85E-07	3.55E-07	1.51E-07	1.77E-07	6.96E-08	3.55E-07	1.51E-07

841	490186.72	3860685.12	1.15E-03	1.17E-03	1.11E-03	3.97E-07	1.20E-06	6.94E-07	7.11E-07	6.44E-07	2.94E-07	2.77E-07	1.33E-08	3.20E-07	7.07E-08	9.65E-08	1.53E-07	2.70E-08	1.83E-08	6.99E-07	3.62E-07	1.54E-07	1.81E-07	7.10E-08	3.62E-07	1.54E-07
842	490236.72	3860685.12	1.17E-03	1.20E-03	1.13E-03	4.06E-07	1.22E-06	7.09E-07	7.26E-07	6.58E-07	3.00E-07	2.83E-07	1.35E-08	3.27E-07	7.22E-08	9.86E-08	1.56E-07	2.76E-08	1.87E-08	7.14E-07	3.70E-07	1.57E-07	1.85E-07	7.25E-08	3.70E-07	1.57E-07
843	490286.72	3860685.12	1.20E-03	1.22E-03	1.15E-03	4.14E-07	1.25E-06	7.23E-07	7.41E-07	6.72E-07	3.06E-07	2.89E-07	1.38E-08	3.34E-07	7.37E-08	1.01E-07	1.60E-07	2.81E-08	1.91E-08	7.29E-07	3.77E-07	1.60E-07	1.88E-07	7.40E-08	3.77E-07	1.60E-07
844	490336.72	3860685.12	1.22E-03	1.25E-03	1.18E-03	4.23E-07	1.28E-06	7.39E-07	7.57E-07	6.87E-07	3.13E-07	2.95E-07	1.41E-08	3.41E-07	7.53E-08	1.03E-07	1.63E-07	2.87E-08	1.95E-08	7.45E-07	3.86E-07	1.64E-07	1.93E-07	7.56E-08	3.86E-07	1.64E-07
845	490386.72	3860685.12	1.25E-03	1.28E-03	1.21E-03	4.33E-07	1.31E-06	7.56E-07	7.75E-07	7.02E-07	3.20E-07	3.02E-07	1.45E-08	3.49E-07	7.70E-08	1.05E-07	1.67E-07	2.94E-08	1.99E-08	7.62E-07	3.95E-07	1.67E-07	1.97E-07	7.74E-08	3.95E-07	1.67E-07
846	490436.72	3860685.12	1.28E-03	1.31E-03	1.23E-03	4.42E-07	1.34E-06	7.73E-07	7.92E-07	7.18E-07	3.28E-07	3.09E-07	1.48E-08	3.57E-07	7.87E-08	1.08E-07	1.71E-07	3.01E-08	2.04E-08	7.79E-07	4.03E-07	1.71E-07	2.01E-07	7.91E-08	4.03E-07	1.71E-07
847	490486.72	3860685.12	1.31E-03	1.34E-03	1.26E-03	4.53E-07	1.37E-06	7.92E-07	8.11E-07	7.35E-07	3.36E-07	3.17E-07	1.51E-08	3.66E-07	8.07E-08	1.10E-07	1.75E-07	3.08E-08	2.09E-08	7.98E-07	4.13E-07	1.75E-07	2.06E-07	8.10E-08	4.13E-07	1.75E-07
848	490536.72	3860685.12	1.34E-03	1.37E-03	1.30E-03	4.64E-07	1.40E-06	8.12E-07	8.31E-07	7.54E-07	3.44E-07	3.24E-07	1.55E-08	3.75E-07	8.27E-08	1.13E-07	1.79E-07	3.16E-08	2.14E-08	8.18E-07	4.23E-07	1.80E-07	2.11E-07	8.30E-08	4.23E-07	1.80E-07
849	490586.72	3860685.12	1.38E-03	1.41E-03	1.33E-03	4.76E-07	1.44E-06	8.32E-07	8.52E-07	7.73E-07	3.53E-07	3.33E-07	1.59E-08	3.84E-07	8.47E-08	1.16E-07	1.84E-07	3.24E-08	2.19E-08	8.38E-07	4.34E-07	1.84E-07	2.17E-07	8.51E-08	4.34E-07	1.84E-07
850	490636.72	3860685.12	1.41E-03	1.45E-03	1.36E-03	4.89E-07	1.48E-06	8.55E-07	8.75E-07	7.93E-07	3.62E-07	3.42E-07	1.63E-08	3.94E-07	8.70E-08	1.19E-07	1.89E-07	3.32E-08	2.25E-08	8.61E-07	4.46E-07	1.89E-07	2.23E-07	8.74E-08	4.46E-07	1.89E-07
851	490686.72	3860685.12	1.45E-03	1.49E-03	1.40E-03	5.03E-07	1.52E-06	8.79E-07	9.00E-07	8.16E-07	3.72E-07	3.51E-07	1.68E-08	4.05E-07	8.95E-08	1.22E-07	1.94E-07	3.42E-08	2.32E-08	8.85E-07	4.58E-07	1.94E-07	2.29E-07	8.99E-08	4.58E-07	1.94E-07
852	490736.72	3860685.12	1.49E-03	1.53E-03	1.44E-03	5.17E-07	1.56E-06	9.04E-07	9.26E-07	8.39E-07	3.83E-07	3.61E-07	1.73E-08	4.17E-07	9.20E-08	1.26E-07	1.99E-07	3.51E-08	2.38E-08	9.10E-07	4.71E-07	2.00E-07	2.35E-07	9.24E-08	4.71E-07	2.00E-07
853	490786.72	3860685.12	1.54E-03	1.58E-03	1.49E-03	5.33E-07	1.61E-06	9.31E-07	9.54E-07	8.65E-07	3.95E-07	3.72E-07	1.78E-08	4.30E-07	9.48E-08	1.30E-07	2.05E-07	3.62E-08	2.46E-08	9.38E-07	4.86E-07	2.06E-07	2.42E-07	9.53E-08	4.86E-07	2.06E-07
854	490136.72	3860735.12	1.08E-03	1.11E-03	1.04E-03	3.74E-07	1.13E-06	6.54E-07	6.70E-07	6.07E-07	2.77E-07	2.61E-07	1.25E-08	3.02E-07	6.66E-08	9.09E-08	1.44E-07	2.54E-08	1.72E-08	6.58E-07	3.41E-07	1.45E-07	1.70E-07	6.69E-08	3.41E-07	1.45E-07
855	490186.72	3860735.12	1.10E-03	1.13E-03	1.06E-03	3.81E-07	1.15E-06	6.66E-07	6.82E-07	6.19E-07	2.82E-07	2.66E-07	1.27E-08	3.07E-07	6.78E-08	9.26E-08	1.47E-07	2.59E-08	1.76E-08	6.71E-07	3.47E-07	1.47E-07	1.73E-07	6.81E-08	3.47E-07	1.47E-07
856	490236.72	3860735.12	1.12E-03	1.15E-03	1.09E-03	3.89E-07	1.18E-06	6.80E-07	6.97E-07	6.32E-07	2.88E-07	2.72E-07	1.30E-08	3.14E-07	6.93E-08	9.46E-08	1.50E-07	2.65E-08	1.79E-08	6.85E-07	3.55E-07	1.51E-07	1.77E-07	6.96E-08	3.55E-07	1.51E-07
857	490286.72	3860735.12	1.15E-03	1.18E-03	1.11E-03	3.97E-07	1.20E-06	6.95E-07	7.12E-07	6.45E-07	2.94E-07	2.78E-07	1.33E-08	3.21E-07	7.07E-08	9.66E-08	1.53E-07	2.70E-08	1.83E-08	7.00E-07	3.62E-07	1.54E-07	1.81E-07	7.11E-08	3.62E-07	1.54E-07
858	490336.72	3860735.12	1.17E-03	1.20E-03	1.13E-03	4.06E-07	1.23E-06	7.10E-07	7.27E-07	6.59E-07	3.01E-07	2.84E-07	1.36E-08	3.28E-07	7.23E-08	9.87E-08	1.57E-07	2.76E-08	1.87E-08	7.15E-07	3.70E-07	1.57E-07	1.85E-07	7.26E-08	3.70E-07	1.57E-07
859	490386.72	3860735.12	1.20E-03	1.23E-03	1.16E-03	4.16E-07	1.26E-06	7.27E-07	7.45E-07	6.75E-07	3.08E-07	2.90E-07	1.39E-08	3.35E-07	7.40E-08	1.01E-07	1.60E-07	2.83E-08	1.92E-08	7.32E-07	3.79E-07	1.61E-07	1.89E-07	7.44E-08	3.79E-07	1.61E-07
860	490436.72	3860735.12	1.23E-03	1.26E-03	1.19E-03	4.26E-07	1.28E-06	7.44E-07	7.62E-07	6.91E-07	3.15E-07	2.97E-07	1.42E-08	3.43E-07	7.57E-08	1.03E-07	1.64E-07	2.89E-08	1.96E-08	7.49E-07	3.88E-07	1.65E-07	1.94E-07	7.61E-08	3.88E-07	1.65E-07
861	490486.72	3860735.12	1.26E-03	1.29E-03	1.22E-03	4.36E-07	1.32E-06	7.62E-07	7.80E-07	7.07E-07	3.23E-07	3.04E-07	1.46E-08	3.52E-07	7.76E-08	1.06E-07	1.68E-07	2.96E-08	2.01E-08	7.67E-07	3.97E-07	1.69E-07	1.98E-07	7.79E-08	3.97E-07	1.69E-07
862	490536.72	3860735.12	1.29E-03	1.32E-03	1.24E-03	4.46E-07	1.35E-06	7.79E-07	7.98E-07	7.23E-07	3.30E-07	3.11E-07	1.49E-08	3.59E-07	7.93E-08	1.08E-07	1.72E-07	3.03E-08	2.05E-08	7.84E-07	4.06E-07	1.72E-07	2.03E-07	7.96E-08	4.06E-07	1.72E-07
863	490586.72	3860735.12	1.32E-03	1.35E-03	1.27E-03	4.57E-07	1.38E-06	7.98E-07	8.18E-07	7.41E-07	3.38E-07	3.19E-07	1.53E-08	3.68E-07	8.13E-08	1.11E-07	1.76E-07	3.10E-08	2.10E-08	8.04E-07	4.16E-07	1.77E-07	2.08E-07	8.17E-08	4.16E-07	1.77E-07
864	490636.72	3860735.12	1.35E-03	1.39E-03	1.31E-03	4.68E-07	1.41E-06	8.19E-07	8.39E-07	7.60E-07	3.47E-07	3.27E-07	1.56E-08	3.78E-07	8.34E-08	1.14E-07	1.81E-07	3.18E-08	2.16E-08	8.25E-07	4.27E-07	1.81E-07	2.13E-07	8.38E-08	4.27E-07	1.81E-07
865	490686.72	3860735.12	1.39E-03	1.43E-03	1.34E-03	4.82E-07	1.45E-06	8.42E-07	8.63E-07	7.82E-07	3.57E-07	3.37E-07	1.61E-08	3.89E-07	8.58E-08	1.17E-07	1.86E-07	3.27E-08	2.22E-08	8.48E-07	4.39E-07	1.86E-07	2.19E-07	8.61E-08	4.39E-07	1.86E-07
866	490736.72	3860735.12	1.43E-03	1.47E-03	1.38E-03	4.96E-07	1.50E-06	8.66E-07	8.87E-07	8.04E-07	3.67E-07	3.46E-07	1.65E-08	4.00E-07	8.82E-08	1.20E-07	1.91E-07	3.37E-08	2.28E-08	8.73E-07	4.52E-07	1.92E-07	2.26E-07	8.86E-08	4.52E-07	1.92E-07
867	490136.72	3860785.12	1.04E-03	1.06E-03	1.00E-03	3.59E-07	1.08E-06	6.27E-07	6.42E-07	5.82E-07	2.66E-07	2.51E-07	1.20E-08	2.89E-07	6.38E-08	8.72E-08	1.38E-07	2.44E-08	1.65E-08	6.31E-07	3.27E-07	1.39E-07	1.63E-07	6.41E-08	3.27E-07	1.39E-07
868	490186.72	3860785.12	1.06E-03	1.08E-03	1.02E-03	3.66E-07	1.10E-06	6.39E-07	6.55E-07	5.94E-07	2.71E-07	2.56E-07	1.22E-08	2.95E-07	6.51E-08	8.89E-08	1.41E-07	2.49E-08	1.69E-08	6.44E-07	3.34E-07	1.42E-07	1.66E-07	6.54E-08	3.34E-07	1.42E-07
869	490236.72	3860785.12	1.08E-03	1.10E-03	1.04E-03	3.73E-07	1.13E-06	6.53E-07	6.69E-07	6.06E-07	2.77E-07	2.61E-07	1.25E-08	3.01E-07	6.65E-08	9.08E-08	1.44E-07	2.54E-08	1.72E-08	6.58E-07	3.41E-07	1.44E-07	1.70E-07	6.68E-08	3.41E-07	1.44E-07
870	490286.72	3860785.12	1.10E-03	1.13E-03	1.06E-03	3.81E-07	1.15E-06	6.66E-07	6.82E-07	6.19E-07	2.82E-07	2.66E-07	1.27E-08	3.07E-07	6.78E-08	9.26E-08	1.47E-07	2.59E-08	1.76E-08	6.71E-07	3.47E-07	1.47E-07	1.73E-07	6.81E-08	3.47E-07	1.47E-07
871	490336.72	3860785.12	1.13E-03	1.15E-03	1.09E-03	3.90E-07	1.18E-06	6.81E-07	6.98E-07	6.33E-07	2.89E-07	2.72E-07	1.30E-08	3.14E-07	6.94E-08	9.48E-08	1.50E-07	2.65E-08	1.80E-08	6.86E-07	3.55E-07	1.51E-07	1.77E-07	6.97E-08	3.55E-07	1.51E-07
872	490386.72	3860785.12	1.15E-03	1.18E-03	1.11E-03	3.98E-07	1.20E-06	6.97E-07	7.13E-07	6.47E-07	2.95E-07	2.78E-07	1.33E-08	3.21E-07	7.09E-08	9.69E-08	1.54E-07	2.71E-08	1.84E-08	7.02E-07	3.63E-07	1.54E-07	1.81E-07	7.12E-08	3.63E-07	1.54E-07
873	490436.72	3860785.12	1.18E-03	1.21E-03	1.14E-03	4.08E-07	1.23E-06	7.13E-07	7.30E-07	6.62E-07	3.02E-07	2.85E-07	1.36E-08	3.29E-07	7.26E-08	9.91E-08	1.57E-07	2.77E-08	1.88E-08	7.18E-07	3.72E-07	1.58E-07	1.86E-07	7.29E-08	3.72E-07	1.58E-07
874	490486.72	3860785.12	1.21E-03	1.24E-03	1.17E-03	4.18E-07	1.26E-06	7.30E-07	7.48E-07	6.78E-07	3.09E-07	2.92E-07	1.40E-08	3.37E-07	7.44E-08	1.02E-07	1.61E-07	2.84E-08	1.93E-08	7.36E-07	3.81E-07	1.62E-07	1.90E-07	7.47E-08	3.81E-07	1.62E-07
875	490536.72	3860785.12	1.24E-03	1.27E-03	1.19E-03	4.28E-07	1.29E-06	7.47E-07	7.66E-07	6.94E-07	3.17E-07	2.99E-07	1.43E-08	3.45E-07	7.61E-08	1.04E-07	1.65E-07	2.91E-08	1.97E-08	7.53E-07	3.90E-07	1.65E-07	1.95E-07	7.65E-08	3.90E-07	1.65E-07
876	490586.72	3860785.12	1.26E-03	1.30E-03	1.22E-03	4.38E-07	1.32E-06	7.65E-07	7.84E-07	7.11E-07	3.24E-07	3.06E-07	1.46E-08	3.53E-07	7.79E-08	1.06E-07	1.69E-07	2.98E-08	2.02E-08	7.71E-07	3.99E-07	1.69E-07	1.99E-07	7.83E-08	3.99E-07	1.69E-07
877	490636.72	3860785.12	1.30E-03	1.33E-03	1.25E-03	4.49E-07	1.36E-06	7.85E-07	8.04E-07	7.29E-07	3.33E-07	3.14E-07	1.50E-08	3.62E-07	7.99E-08	1.09E-07	1.73E-07	3.05E-08	2.07E-08	7.91E-07	4.09E-07	1.74E-07	2.04E-07	8.03E-08	4.09E-07	1.74E-07
878	490686.72	3860785.12	1.33E-03	1.36E-03	1.29E-03	4.61E-07	1.39E-06	8.05E-07	8.25E-07	7.48E-07	3.41E-07	3.22E-07	1.54E-08	3.72E-07	8.20E-08	1.12E-07	1.78E-07	3.13E-08	2.12E-08	8.11E-07	4.20E-07	1.78E-07	2.10E-07	8.24E-08	4.20E-07	1.78E-07
879	490736.72	3860785.12	1.37E-03	1.40E-03	1.32E-03	4.74E-07	1.43E-06	8.29E-07	8.49E-07	7.69E-07	3.51E-07	3.31E-07	1.58E-08	3.82E-07	8.44E-08	1.15E-07	1.83E-07	3.22E-08	2.18E-08	8.35E-07	4.32E-07	1.83E-07	2.16E-07	8.48E-08	4.32E-07	1.83E-07
880	490086.72	3860835.12	9.77E-04	1.00E-03	9.44E-04	3.38E-07	1.02E-06	5.91E-07	6.05E-07	5.49E-07	2.50E-07	2.36E-07	1.13E-08	2.73E-07	6.02E-08	8.22E-08	1.30E-07	2.30E-08	1.56E-08	5.95E-07	3.08E-07	1.31E-07	1.54E-07	6.05E-08	3.08E-07	1.31E-07
881	490136.72	3860835.12	9.96E-04	1.02E-03	9.62E-04	3.45E-07	1.04E-06	6.03E-07	6.17E-07	5.60E-07	2.55E-07	2.41E-07	1.15E-08	2.78E-07	6.14E-08	8.38E-08	1.33E-07	2.34E-08	1.59E-08	6.07E-07	3.14E-07	1.33E-07	1.57E-07	6.17E-08	3.14E-07	1.33E-07
882	490186.72	3860835.12	1.02E-03	1.04E-03	9.81E-04	3.51E-07	1.06E-06	6.14E-07	6.29E-07	5.70E-07	2.60E-07	2.46E-07	1.17E-08	2.84E-07	6.26E-08	8.54E-08	1.36E-07	2.39E-08	1.62E-08	6.19E-07	3.20E-07	1.36E-07	1.60E-07	6.28E-08	3.20E-07	1.36E-07
883	490236.72	3860835.12	1.04E-03	1.06E-03	1.00E-03	3.59E-07	1.08E-06	6.27E-07	6.42E-07	5.82E-07	2.66E-07	2.51E-07	1.20E-08	2.89E-07	6.38E-08	8.72E-08	1.38E-07	2.44E-08	1.65E-08	6.31E-07	3.27E-07	1.39E-07	1.63E-07	6.41E-08	3.27E-07	1.39E-07
884	490286.72	3860835.12	1.06E-03	1.08E-03	1.02E-03	3.66E-07	1.11E-06	6.40E-07	6.56E-07	5.94E-07	2.71E-07	2.56E-07	1.22E-08	2.95E-07	6.52E-08	8.90E-08	1.41E-07	2.49E-08	1.69E-08	6.45E-07	3.34E-07	1.42E-07	1.67E-07	6.55E-08	3.34E-07	1.42E-07
885	490336.72	3860835.12	1.08E-03	1.11E-03	1.04E-03	3.74E-07	1.13E-06	6.54E-07	6.70E-07	6.07E-07	2.77E-07	2.61E-07	1.25E-08	3.02E-07	6.66E-08	9.09E-08	1.44E-07	2.54E-08	1.72E-08	6.58E-07	3.41E-07	1.45E-07	1.70E-07	6.69E-08	3.41E-07	1.45E-07
886	490386.72	3860835.12	1.10E-03	1.13E-03	1.07E-03	3.82E-07	1.15E-06	6.68E-07	6.84E-07	6.20E-07	2.83E-07	2.67E-07	1.28E-08	3.08E-07	6.80E-08	9.29E-08	1.47E-07	2.60E-08	1.76E-08	6.73E-07	3.48E-07	1.48E-07	1.74E-07	6.83E-08	3.48E-07	1.48E-07
887	490436.72	3860835.12	1.13E-03	1.16E-03	1.09E-03	3.91E-07	1.18E-06	6.83E-07	7.00E-07	6.34E-07	2.89E-07	2.73E-07	1.31E-08	3.15E-07	6.96E-08	9.50E-08	1.51E-07	2.66E-08	1.80E-08	6.88E-07	3.56E-07	1.51E-07	1.78E-07	6.99E-08	3.56E-07	1.51E-07
888	490486.72	3860835.12	1.16E-03	1.18E-03	1.12E-03	4.00E-07	1.21E-06	6.99E-07	7.16E-07	6.49E-07	2.96E-07	2.79E-07	1.34E-08	3.23E-07	7.12E-08	9.72E-08	1.54E-07	2.72E-08	1.84E-08	7.04E-07	3.65E-07	1.55E-07	1.82E-07	7.15E-08	3.65E-07	1.55E-07
889	490536.72	3860835.12	1.18E-03	1.21E-03	1.14E-03	4.10E-07	1.24E-06	7.16E-07	7.34E-07	6.65E-07	3.03E-07	2.86E-07	1.37E-08	3.30E-07	7.29E-08	9.96E-08	1.58E-07	2.78E-08	1.89E-08	7.21E-07	3.74E-07	1.59E-07	1.86E-07	7.33E-08	3.74E-07	1.59E-07
890	490586.72	3860835.12	1.21E-03	1.24E-03	1.17E-03	4.19E-07	1.27E-06	7.33E-07	7.51E-07	6.81E-07	3.11E-07	2.93E-07	1.40E-08	3.38E-07	7.47E-08	1.02E-07	1.62E-07	2.85E-08	1.93E-08	7.39E-07	3.82E-07	1.62E-07	1.91E-07	7.50E-08	3.82E-07	1.62E-07
891	490636.72	3860835.12	1.24E-03	1.27E-03	1.20E-03	4.30E-07	1.30E-06	7.51E-07	7.69E-07	6.97E-07	3.18E-07	3.00E-07	1.43E-08	3.47E-07	7.65E-08	1.04E-07	1.66E-07	2.92E-08	1.98E-08	7.56E-07	3.92E-07	1.66E-07	1.96E-07	7.68E-08	3.92E-07	1.66E-07
892	490686.72	3860835.12	1.27E-03	1.30E-03	1.23E-03	4.41E-07	1.33E-06	7.71E-07	7.89E-07	7.16E-07	3.26E-07	3.08E-07	1.47E-08	3.56E-07	7.85E-08	1.07E-07	1.70E-07	3.00E-08	2.03E-08	7.76E-07	4.02E-07	1.71E-07	2.01E-07	7.88E-08	4.02E-07	1.71E-07
893	490736.72	3860835.12	1.31E-03	1.34E-03	1.27E-03	4.54E-07	1.37E-06	7.93E-07	8.12E-07	7.36E-07	3.36E-07	3.17E-07	1.51E-08	3.66E-07	8.07E-08	1.10E-07	1.75E-07	3.08E-08	2.09E-08	7.99E-07	4.14E-07	1.76E-07	2.06E-07	8.11E-08	4.14E-07	1.76E-07
894	490086.72	3860885.12	9.43E-04	9.66E-04	9.11E-04	3.26E-07	9.86E-07	5.71E-07	5.84E-07	5.30E-07	2.42E-07	2.28E-07	1.09E-08	2.63E-07	5.81E-08	7.94E-08	1.26E-07	2.22E-08	1.50E-08	5.75E-07	2.98E-07	1.26E-07	1.49E-07	5.84E-08	2.98E-07	1.26E-07
895	490136.72	3860885.12	9.61E-04	9.84E-04	9.28E-04	3.33E-07	1.00E-06	5.81E-07	5.95E-07	5.40E-07	2.46E-07	2.32E-07	1.11E-08	2.68E-07	5.92E-08	8.08E-08	1.28E-07	2.26E-08	1.53E-08	5.86E-07	3.03E-07	1.29E-07	1.51E-07	5.95E-08	3.03E-07	1.29E-07
896	490186.72	3860885.12	9.79E-04	1.00E-03	9.45E-04	3.39E-07	1.02E-06	5.92E-07	6.06E-07	5.50E-07	2.51E-07	2.37E-07	1.13E-08	2.73E-07	6.03E-08	8.23E-08	1.31E-07	2.30E-08	1.56E-08	5.96E-07	3.09E-07	1.31E-07	1.54E-07	6.06E-08	3.09E-07	1.31E-07
897	490236.72	3860885.12	9.98E-04	1.02E-03	9.64E-04	3.45E-07	1.04E-06	6.04E-07	6.18E-07	5.60E-07	2.56E-07	2.41E-07	1.15E-08	2.79E-07	6.15E-08	8.39E-08	1.33E-07	2.35E-08	1.59E-08	6.08E-07	3.15E-07	1.34E-07	1.57E-07	6.17E-08	3.15E-07	1.34E-07
898	490286.72	3860885.12	1.02E-03	1.04E-03	9.82E-04	3.52E-07	1.06E-06	6.15E-07	6.30E-07	5.71E-07	2.61E-07	2.46E-07	1.18E-08	2.84E-07	6.27E-08	8.56E-08	1.36E-07	2.39E-08	1.62E-08	6.20E-07	3.21E-07	1.36E-07	1.60E-07	6.29E-08	3.21E-07	1.36E-07
899	490336.72	3860885.12	1.04E-03	1.06E-03	1.00E-03	3.59E-07	1.08E-06	6.28E-07	6.43E-07	5.83E-07	2.66E-07	2.51E-07	1.20E-08	2.90E-07	6.39E-08	8.73E-08	1.38E-07	2.44E-08	1.65E-08	6.32E-07	3.27E-07	1.39E-07	1.63E-07	6.42E-08	3.27E-07	1.39E-07
900	490386.72	3860885.12	1.06E-03	1.09E-03	1.02E-03	3.67E-07	1.11E-06	6.41E-07	6.57E-07	5.95E-07	2.72E-07	2.56E-07	1.22E-08	2.96E-07	6.53E-08	8.92E-08	1.41E-07	2.49E-08	1.69E-08	6.46E-07	3.34E-07	1.42E-07	1.67E-07	6.56E-08	3.34E-07	1.42E-07
901	490436.72	3860885.12	1.08E-03	1.11E-03	1.05E-03	3.75E-07	1.13E-06	6.55E-07	6.71E-07	6.09E-07	2.78E-07	2.62E-07	1.25E-08	3.02E-07	6.67E-08	9.11E-08	1.45E-07	2.55E-08	1.73E-08	6.60E-07	3.42E-07	1.45E-07	1.71E-07	6.70E-08	3.42E-07	1.45E-07
902	490486.72	3860885.12	1.11E-03	1.13E-03	1.07E-03	3.83E-07	1.16E-06	6.70E-07	6.86E-07	6.22E-07	2.84E-07	2.68E-07	1.28E-08	3.09E-07	6.82E-08	9.31E-08	1.48E-07	2.60E-08	1.77E-08	6.75E-07	3.49E-07	1.48E-07	1.74E-07	6.85E-08	3.49E-07	1.48E-07
903	490536.72	3860885.12	1.13E-03	1.16E-03	1.10E-03	3.92E-07	1.18E-06	6.86E-07	7.02E-07	6.37E-07	2.91E-07	2.74E-07	1.31E-08	3.16E-07	6.98E-08	9.54E-08	1.51E-07	2.67E-08	1.81E-08	6.91E-07	3.58E-07	1.52E-07	1.79E-07	7.01E-08	3.58E-07	1.52E-07
904	490586.72	3860885.12	1.16E-03	1.19E-03	1.12E-03	4.02E-07	1.21E-06	7.02E-07	7.19E-07	6.52E-07	2.97E-07	2.80E-07	1.34E-08	3.24E-07	7.15E-08	9.76E-08	1.55E-07	2.73E-08	1.85E-08	7.07E-07	3.66E-07	1.55E-07	1.83E-07	7.18E-08	3.66E-07	1.55E-07
905	490636.72	3860885.12	1.19E-03	1.22E-03	1.15E-03	4.11E-07	1.24E-06	7.19E-07	7.36E-07	6.67E-07	3.05E-07	2.87E-07	1.37E-08	3.32E-07	7.32E-08	1.00E-07	1.59E-07	2.79E-08	1.89E-08	7.24E-07	3.75E-07	1.59E-07	1.87E-07	7.35E-08	3.75E-07	1.59E-07
906	490686.72	3860885.12	1.22E-03	1.25E-03	1.18E-03	4.21E-07	1.27E-06	7.37E-07	7.55E-07	6.84E-07	3.12E-07	2.94E-07	1.41E-08	3.40E-07	7.50E-08	1.02E-07	1.63E-07	2.86E-08	1.94E-08	7.42E-07	3.84E-07	1.63E-07	1.92E-07	7.54E-08	3.84E-07	1.63E-07
907	490736.72	3860885.12	1.25E-03	1.28E-03	1.21E-03	4.33E-07	1.31E-06	7.56E-07	7.75E-07	7.02E-07	3.20E-07	3.02E-07	1.45E-08	3.49E-07	7.70E-08	1.05E-07	1.67E-07	2.94E-08	1.99E-08	7.62E-07	3.95E-07	1.67E-07	1.97E-07	7.74E-08	3.95E-07	1.67E-07
908	490086.72	3860935.12	9.11E-04	9.33E-04	8.80E-04	3.15E-07	9.52E-07	5.51E-07	5.64E-07	5.12E-07	2.33E-07	2.20E-07	1.05E-08	2.54E-07	5.61E-08	7.66E-08	1.22E-07	2.14E-08	1.45E-08	5.55E-07	2.87E-07	1.22E-07	1.43E-07	5.64E-08	2.87E-07	1.22E-07
909	490136.72	3860935.12	9.27E-04	9.49E-04	8.95E-04	3.21E-07	9.69E-07	5.61E-07	5.74E-07	5.21E-07	2.38E-07	2.24E-07	1.07E-08	2.59E-07	5.71E-08	7.80E-08	1.24E-07	2.18E-08	1.48E-08	5.65E-07	2.93E-07	1.24E-07	1.46E-07	5.74E-08	2.93E-07	1.24E-07
910	490186.72	3860935.12	9.43E-04	9.66E-04	9.11E-04	3.26E-07	9.86E-07	5.71E-07	5.84E-07	5.30E-07	2.42E-07	2.28E-07	1.09E-08	2.63E-07	5.81E-08	7.94E-08	1.26E-07	2.22E-08	1.50E-08	5.75E-07	2.98E-07	1.26E-07	1.49E-07	5.84E-08	2.98E-07	1.26E-07
911	490236.72	3860935.12	9.61E-04	9.84E-04	9.28E-04	3.33E-07	1.00E-06	5.81E-07	5.95E-07	5.40E-07	2.46E-07	2.32E-07	1.11E-08	2.68E-07	5.92E-08	8.08E-08	1.28E-07	2.26E-08	1.53E-08	5.86E-07	3.03E-07	1.29E-07	1.51E-07	5.95E-08	3.03E-07	1.29E-07
912	490286.72	3860935.12	9.80E-04	1.00E-03	9.47E-04	3.39E-07	1.02E-06	5.93E-07	6.07E-07	5.51E-07	2.51E-07	2.37E-07	1.13E-08	2.74E-07	6.04E-08	8.25E-08	1.31E-07	2.31E-08	1.56E-08	5.97E-07	3.09E-07	1.31E-07	1.54E-07	6.06E-08	3.09E-07	1.31E-07
913	490336.72	3860935.12	9.99E-04	1.02E-03	9.65E-04	3.46E-07	1.04E-06	6.05E-07	6.19E-07	5.61E-07	2.56E-07	2.42E-07	1.15E-08	2.79E-07	6.16E-08	8.41E-08	1.33E-07	2.35E-08	1.59E-08	6.09E-07	3.15E-07	1.34E-07	1.57E-07	6.18E-08	3.15E-07	1.34E-07
914	490386.72	3860935.12	1.02E-03	1.04E-03	9.85E-04	3.53E-07	1.07E-06	6.17E-07	6.32E-07	5.73E-07	2.61E-07	2.47E-07	1.18E-08	2.85E-07	6.28E-08	8.58E-08	1.36E-07	2.40E-08	1.63E-08	6.22E-07	3.22E-07	1.37E-07	1.61E-07	6.31E-08	3.22E-07	1.37E-07
915	490436.72	3860935.12	1.04E-03	1.07E-03	1.01E-03	3.61E-07	1.09E-06	6.30E-07	6.46E-07	5.85E-07	2.67E-07	2.52E-07	1.20E-08	2.91E-07	6.42E-08	8.77E-08	1.39E-07	2.45E-08	1.66E-08	6.35E-07	3.29E-07	1.40E-07	1.64E-07	6.45E-08	3.29E-07	1.40E-07
916	490486.72	3860935.12	1.06E-03	1.09E-03	1.03E-03	3.68E-07	1.11E-06	6.44E-07	6.59E-07	5.98E-07	2.73E-07	2.57E-07	1.23E-08	2.97E-07	6.56E-08	8.95E-08	1.42E-07	2.50E-08	1.70E-08	6.49E-07	3.36E-07	1.42E-07	1.68E-07	6.59E-08	3.36E-07	1.42E-07
917	490536.72	3860935.12	1.09E-03	1.11E-03	1.05E-03	3.77E-07	1.14E-06	6.58E-07	6.74E-07	6.11E-07	2.79E-07	2.63E-07	1.26E-08	3.04E-07	6.70E-08	9.15E-08	1.45E-07	2.56E-08	1.73E-08	6.63E-07	3.43E-07	1.46E-07	1.71E-07	6.73E-08	3.43E-07	1.46E-07

918	490586.72	3860935.12	1.11E-03	1.14E-03	1.07E-03	3.85E-07	1.16E-06	6.72E-07	6.89E-07	6.24E-07	2.85E-07	2.69E-07	1.28E-08	3.10E-07	6.85E-08	9.35E-08	1.48E-07	2.61E-08	1.77E-08	6.77E-07	3.51E-07	1.49E-07	1.75E-07	6.88E-08	3.51E-07	1.49E-07
919	490636.72	3860935.12	1.14E-03	1.17E-03	1.10E-03	3.94E-07	1.19E-06	6.89E-07	7.05E-07	6.39E-07	2.92E-07	2.75E-07	1.32E-08	3.18E-07	7.01E-08	9.57E-08	1.52E-07	2.68E-08	1.81E-08	6.94E-07	3.59E-07	1.52E-07	1.79E-07	7.04E-08	3.59E-07	1.52E-07
920	490686.72	3860935.12	1.17E-03	1.19E-03	1.13E-03	4.04E-07	1.22E-06	7.05E-07	7.23E-07	6.55E-07	2.99E-07	2.82E-07	1.35E-08	3.26E-07	7.18E-08	9.81E-08	1.56E-07	2.74E-08	1.86E-08	7.11E-07	3.68E-07	1.56E-07	1.84E-07	7.22E-08	3.68E-07	1.56E-07
921	490736.72	3860935.12	1.20E-03	1.22E-03	1.15E-03	4.14E-07	1.25E-06	7.23E-07	7.41E-07	6.72E-07	3.06E-07	2.89E-07	1.38E-08	3.34E-07	7.37E-08	1.01E-07	1.60E-07	2.81E-08	1.91E-08	7.29E-07	3.77E-07	1.60E-07	1.88E-07	7.40E-08	3.77E-07	1.60E-07
922	490786.72	3860935.12	1.23E-03	1.26E-03	1.18E-03	4.25E-07	1.28E-06	7.42E-07	7.60E-07	6.89E-07	3.14E-07	2.97E-07	1.42E-08	3.42E-07	7.56E-08	1.03E-07	1.64E-07	2.89E-08	1.96E-08	7.48E-07	3.87E-07	1.64E-07	1.93E-07	7.59E-08	3.87E-07	1.64E-07
923	490836.72	3860935.12	1.26E-03	1.29E-03	1.22E-03	4.37E-07	1.32E-06	7.64E-07	7.82E-07	7.09E-07	3.23E-07	3.05E-07	1.46E-08	3.52E-07	7.77E-08	1.06E-07	1.68E-07	2.97E-08	2.01E-08	7.69E-07	3.98E-07	1.69E-07	1.99E-07	7.81E-08	3.98E-07	1.69E-07
924	490086.72	3860985.12	8.83E-04	9.04E-04	8.53E-04	3.06E-07	9.22E-07	5.34E-07	5.47E-07	4.96E-07	2.26E-07	2.13E-07	1.02E-08	2.46E-07	5.44E-08	7.43E-08	1.18E-07	2.08E-08	1.41E-08	5.38E-07	2.79E-07	1.18E-07	1.39E-07	5.46E-08	2.79E-07	1.18E-07
925	490136.72	3860985.12	8.97E-04	9.19E-04	8.67E-04	3.11E-07	9.38E-07	5.43E-07	5.56E-07	5.04E-07	2.30E-07	2.17E-07	1.04E-08	2.51E-07	5.53E-08	7.55E-08	1.20E-07	2.11E-08	1.43E-08	5.47E-07	2.83E-07	1.20E-07	1.41E-07	5.55E-08	2.83E-07	1.20E-07
926	490186.72	3860985.12	9.14E-04	9.36E-04	8.83E-04	3.16E-07	9.55E-07	5.53E-07	5.66E-07	5.13E-07	2.34E-07	2.21E-07	1.06E-08	2.55E-07	5.63E-08	7.69E-08	1.22E-07	2.15E-08	1.46E-08	5.57E-07	2.88E-07	1.22E-07	1.44E-07	5.65E-08	2.88E-07	1.22E-07
927	490236.72	3860985.12	9.28E-04	9.51E-04	8.97E-04	3.21E-07	9.70E-07	5.62E-07	5.75E-07	5.22E-07	2.38E-07	2.24E-07	1.07E-08	2.59E-07	5.72E-08	7.81E-08	1.24E-07	2.18E-08	1.48E-08	5.66E-07	2.93E-07	1.24E-07	1.46E-07	5.75E-08	2.93E-07	1.24E-07
928	490286.72	3860985.12	9.46E-04	9.69E-04	9.14E-04	3.27E-07	9.89E-07	5.72E-07	5.86E-07	5.31E-07	2.43E-07	2.29E-07	1.09E-08	2.64E-07	5.83E-08	7.96E-08	1.26E-07	2.23E-08	1.51E-08	5.77E-07	2.99E-07	1.27E-07	1.49E-07	5.85E-08	2.99E-07	1.27E-07
929	490336.72	3860985.12	9.64E-04	9.87E-04	9.31E-04	3.34E-07	1.01E-06	5.83E-07	5.97E-07	5.41E-07	2.47E-07	2.33E-07	1.11E-08	2.69E-07	5.94E-08	8.11E-08	1.29E-07	2.27E-08	1.54E-08	5.87E-07	3.04E-07	1.29E-07	1.52E-07	5.96E-08	3.04E-07	1.29E-07
930	490386.72	3860985.12	9.83E-04	1.01E-03	9.50E-04	3.40E-07	1.03E-06	5.95E-07	6.09E-07	5.52E-07	2.52E-07	2.38E-07	1.14E-08	2.74E-07	6.06E-08	8.27E-08	1.31E-07	2.31E-08	1.57E-08	5.99E-07	3.10E-07	1.32E-07	1.55E-07	6.08E-08	3.10E-07	1.32E-07
931	490436.72	3860985.12	1.00E-03	1.03E-03	9.70E-04	3.47E-07	1.05E-06	6.07E-07	6.22E-07	5.64E-07	2.57E-07	2.43E-07	1.16E-08	2.80E-07	6.18E-08	8.44E-08	1.34E-07	2.36E-08	1.60E-08	6.12E-07	3.17E-07	1.34E-07	1.58E-07	6.21E-08	3.17E-07	1.34E-07
932	490486.72	3860985.12	1.02E-03	1.05E-03	9.90E-04	3.55E-07	1.07E-06	6.20E-07	6.35E-07	5.75E-07	2.63E-07	2.48E-07	1.18E-08	2.86E-07	6.31E-08	8.62E-08	1.37E-07	2.41E-08	1.63E-08	6.24E-07	3.23E-07	1.37E-07	1.61E-07	6.34E-08	3.23E-07	1.37E-07
933	490536.72	3860985.12	1.04E-03	1.07E-03	1.01E-03	3.62E-07	1.09E-06	6.32E-07	6.48E-07	5.87E-07	2.68E-07	2.53E-07	1.21E-08	2.92E-07	6.44E-08	8.79E-08	1.39E-07	2.46E-08	1.67E-08	6.37E-07	3.30E-07	1.40E-07	1.65E-07	6.47E-08	3.30E-07	1.40E-07
934	490586.72	3860985.12	1.07E-03	1.09E-03	1.03E-03	3.70E-07	1.12E-06	6.47E-07	6.62E-07	6.00E-07	2.74E-07	2.58E-07	1.24E-08	2.98E-07	6.58E-08	8.99E-08	1.43E-07	2.51E-08	1.70E-08	6.51E-07	3.37E-07	1.43E-07	1.68E-07	6.61E-08	3.37E-07	1.43E-07
935	490636.72	3860985.12	1.09E-03	1.12E-03	1.06E-03	3.78E-07	1.14E-06	6.61E-07	6.77E-07	6.14E-07	2.80E-07	2.64E-07	1.26E-08	3.05E-07	6.73E-08	9.19E-08	1.46E-07	2.57E-08	1.74E-08	6.66E-07	3.45E-07	1.46E-07	1.72E-07	6.76E-08	3.45E-07	1.46E-07
936	490686.72	3860985.12	1.12E-03	1.14E-03	1.08E-03	3.87E-07	1.17E-06	6.76E-07	6.92E-07	6.28E-07	2.86E-07	2.70E-07	1.29E-08	3.12E-07	6.88E-08	9.40E-08	1.49E-07	2.63E-08	1.78E-08	6.81E-07	3.53E-07	1.50E-07	1.76E-07	6.91E-08	3.53E-07	1.50E-07
937	490736.72	3860985.12	1.14E-03	1.17E-03	1.11E-03	3.96E-07	1.20E-06	6.92E-07	7.09E-07	6.43E-07	2.93E-07	2.77E-07	1.32E-08	3.19E-07	7.05E-08	9.62E-08	1.53E-07	2.69E-08	1.82E-08	6.97E-07	3.61E-07	1.53E-07	1.80E-07	7.08E-08	3.61E-07	1.53E-07
938	490786.72	3860985.12	1.17E-03	1.20E-03	1.13E-03	4.06E-07	1.23E-06	7.10E-07	7.27E-07	6.59E-07	3.01E-07	2.84E-07	1.36E-08	3.28E-07	7.23E-08	9.87E-08	1.57E-07	2.76E-08	1.87E-08	7.15E-07	3.70E-07	1.57E-07	1.85E-07	7.26E-08	3.70E-07	1.57E-07
939	490836.72	3860985.12	1.20E-03	1.23E-03	1.16E-03	4.17E-07	1.26E-06	7.29E-07	7.46E-07	6.77E-07	3.09E-07	2.91E-07	1.39E-08	3.36E-07	7.42E-08	1.01E-07	1.61E-07	2.83E-08	1.92E-08	7.34E-07	3.80E-07	1.61E-07	1.90E-07	7.45E-08	3.80E-07	1.61E-07
940	490086.72	3861035.12	8.55E-04	8.75E-04	8.26E-04	2.96E-07	8.93E-07	5.17E-07	5.30E-07	4.80E-07	2.19E-07	2.07E-07	9.88E-09	2.39E-07	5.27E-08	7.19E-08	1.14E-07	2.01E-08	1.36E-08	5.21E-07	2.70E-07	1.14E-07	1.35E-07	5.29E-08	2.70E-07	1.14E-07
941	490136.72	3861035.12	8.69E-04	8.90E-04	8.40E-04	3.01E-07	9.09E-07	5.26E-07	5.39E-07	4.88E-07	2.23E-07	2.10E-07	1.00E-08	2.43E-07	5.36E-08	7.31E-08	1.16E-07	2.04E-08	1.39E-08	5.30E-07	2.74E-07	1.16E-07	1.37E-07	5.38E-08	2.74E-07	1.16E-07
942	490186.72	3861035.12	8.84E-04	9.05E-04	8.54E-04	3.06E-07	9.24E-07	5.35E-07	5.48E-07	4.97E-07	2.27E-07	2.14E-07	1.02E-08	2.47E-07	5.45E-08	7.44E-08	1.18E-07	2.08E-08	1.41E-08	5.39E-07	2.79E-07	1.18E-07	1.39E-07	5.47E-08	2.79E-07	1.18E-07
943	490236.72	3861035.12	9.00E-04	9.22E-04	8.70E-04	3.12E-07	9.41E-07	5.45E-07	5.58E-07	5.06E-07	2.31E-07	2.18E-07	1.04E-08	2.51E-07	5.55E-08	7.58E-08	1.20E-07	2.12E-08	1.44E-08	5.49E-07	2.84E-07	1.21E-07	1.42E-07	5.57E-08	2.84E-07	1.21E-07
944	490286.72	3861035.12	9.15E-04	9.37E-04	8.84E-04	3.17E-07	9.56E-07	5.54E-07	5.67E-07	5.14E-07	2.35E-07	2.21E-07	1.06E-08	2.55E-07	5.64E-08	7.70E-08	1.22E-07	2.15E-08	1.46E-08	5.58E-07	2.89E-07	1.23E-07	1.44E-07	5.66E-08	2.89E-07	1.23E-07
945	490336.72	3861035.12	9.31E-04	9.54E-04	9.00E-04	3.22E-07	9.73E-07	5.63E-07	5.77E-07	5.23E-07	2.39E-07	2.25E-07	1.08E-08	2.60E-07	5.74E-08	7.84E-08	1.24E-07	2.19E-08	1.49E-08	5.68E-07	2.94E-07	1.25E-07	1.47E-07	5.76E-08	2.94E-07	1.25E-07
946	490386.72	3861035.12	9.50E-04	9.73E-04	9.18E-04	3.29E-07	9.93E-07	5.75E-07	5.89E-07	5.34E-07	2.44E-07	2.30E-07	1.10E-08	2.65E-07	5.86E-08	8.00E-08	1.27E-07	2.24E-08	1.52E-08	5.79E-07	3.00E-07	1.27E-07	1.50E-07	5.88E-08	3.00E-07	1.27E-07
947	490436.72	3861035.12	9.68E-04	9.92E-04	9.35E-04	3.35E-07	1.01E-06	5.86E-07	6.00E-07	5.44E-07	2.48E-07	2.34E-07	1.12E-08	2.70E-07	5.97E-08	8.15E-08	1.29E-07	2.28E-08	1.54E-08	5.90E-07	3.06E-07	1.30E-07	1.53E-07	5.99E-08	3.06E-07	1.30E-07
948	490486.72	3861035.12	9.87E-04	1.01E-03	9.54E-04	3.42E-07	1.03E-06	5.97E-07	6.12E-07	5.55E-07	2.53E-07	2.39E-07	1.14E-08	2.76E-07	6.08E-08	8.31E-08	1.32E-07	2.32E-08	1.57E-08	6.02E-07	3.12E-07	1.32E-07	1.56E-07	6.11E-08	3.12E-07	1.32E-07
949	490536.72	3861035.12	1.01E-03	1.03E-03	9.74E-04	3.49E-07	1.05E-06	6.10E-07	6.25E-07	5.66E-07	2.58E-07	2.44E-07	1.17E-08	2.81E-07	6.21E-08	8.48E-08	1.35E-07	2.37E-08	1.61E-08	6.14E-07	3.18E-07	1.35E-07	1.59E-07	6.24E-08	3.18E-07	1.35E-07
950	490586.72	3861035.12	1.03E-03	1.05E-03	9.94E-04	3.56E-07	1.08E-06	6.22E-07	6.38E-07	5.78E-07	2.64E-07	2.49E-07	1.19E-08	2.87E-07	6.34E-08	8.66E-08	1.37E-07	2.42E-08	1.64E-08	6.27E-07	3.25E-07	1.38E-07	1.62E-07	6.37E-08	3.25E-07	1.38E-07
951	490636.72	3861035.12	1.05E-03	1.08E-03	1.02E-03	3.64E-07	1.10E-06	6.36E-07	6.51E-07	5.90E-07	2.69E-07	2.54E-07	1.21E-08	2.93E-07	6.47E-08	8.84E-08	1.40E-07	2.47E-08	1.68E-08	6.40E-07	3.32E-07	1.41E-07	1.66E-07	6.50E-08	3.32E-07	1.41E-07
952	490686.72	3861035.12	1.07E-03	1.10E-03	1.04E-03	3.71E-07	1.12E-06	6.49E-07	6.65E-07	6.03E-07	2.75E-07	2.59E-07	1.24E-08	3.00E-07	6.61E-08	9.03E-08	1.43E-07	2.52E-08	1.71E-08	6.54E-07	3.39E-07	1.44E-07	1.69E-07	6.64E-08	3.39E-07	1.44E-07
953	490736.72	3861035.12	1.10E-03	1.12E-03	1.06E-03	3.80E-07	1.15E-06	6.64E-07	6.80E-07	6.17E-07	2.81E-07	2.65E-07	1.27E-08	3.07E-07	6.77E-08	9.24E-08	1.47E-07	2.58E-08	1.75E-08	6.69E-07	3.47E-07	1.47E-07	1.73E-07	6.80E-08	3.47E-07	1.47E-07
954	490786.72	3861035.12	1.12E-03	1.15E-03	1.09E-03	3.89E-07	1.17E-06	6.80E-07	6.96E-07	6.31E-07	2.88E-07	2.72E-07	1.30E-08	3.14E-07	6.92E-08	9.45E-08	1.50E-07	2.64E-08	1.79E-08	6.85E-07	3.54E-07	1.50E-07	1.77E-07	6.95E-08	3.54E-07	1.50E-07
955	490836.72	3861035.12	1.15E-03	1.18E-03	1.11E-03	3.98E-07	1.20E-06	6.97E-07	7.13E-07	6.47E-07	2.95E-07	2.78E-07	1.33E-08	3.21E-07	7.09E-08	9.69E-08	1.54E-07	2.71E-08	1.84E-08	7.02E-07	3.63E-07	1.54E-07	1.81E-07	7.12E-08	3.63E-07	1.54E-07
956	490086.72	3861085.12	8.31E-04	8.51E-04	8.03E-04	2.88E-07	8.68E-07	5.03E-07	5.15E-07	4.67E-07	2.13E-07	2.01E-07	9.60E-09	2.32E-07	5.12E-08	6.99E-08	1.11E-07	1.95E-08	1.33E-08	5.06E-07	2.62E-07	1.11E-07	1.31E-07	5.14E-08	2.62E-07	1.11E-07
957	490136.72	3861085.12	8.44E-04	8.65E-04	8.16E-04	2.92E-07	8.82E-07	5.11E-07	5.23E-07	4.74E-07	2.16E-07	2.04E-07	9.76E-09	2.36E-07	5.20E-08	7.10E-08	1.13E-07	1.99E-08	1.35E-08	5.15E-07	2.66E-07	1.13E-07	1.33E-07	5.22E-08	2.66E-07	1.13E-07
958	490186.72	3861085.12	8.59E-04	8.80E-04	8.30E-04	2.97E-07	8.98E-07	5.20E-07	5.32E-07	4.83E-07	2.20E-07	2.08E-07	9.93E-09	2.40E-07	5.29E-08	7.23E-08	1.15E-07	2.02E-08	1.37E-08	5.24E-07	2.71E-07	1.15E-07	1.35E-07	5.32E-08	2.71E-07	1.15E-07
959	490236.72	3861085.12	8.72E-04	8.93E-04	8.43E-04	3.02E-07	9.12E-07	5.28E-07	5.41E-07	4.90E-07	2.24E-07	2.11E-07	1.01E-08	2.44E-07	5.37E-08	7.34E-08	1.16E-07	2.05E-08	1.39E-08	5.32E-07	2.75E-07	1.17E-07	1.37E-07	5.40E-08	2.75E-07	1.17E-07
960	490286.72	3861085.12	8.87E-04	9.08E-04	8.57E-04	3.07E-07	9.27E-07	5.37E-07	5.50E-07	4.98E-07	2.27E-07	2.14E-07	1.03E-08	2.48E-07	5.47E-08	7.46E-08	1.18E-07	2.09E-08	1.41E-08	5.41E-07	2.80E-07	1.19E-07	1.40E-07	5.49E-08	2.80E-07	1.19E-07
961	490336.72	3861085.12	9.02E-04	9.24E-04	8.71E-04	3.12E-07	9.43E-07	5.46E-07	5.59E-07	5.07E-07	2.31E-07	2.18E-07	1.04E-08	2.52E-07	5.56E-08	7.59E-08	1.20E-07	2.12E-08	1.44E-08	5.50E-07	2.85E-07	1.21E-07	1.42E-07	5.58E-08	2.85E-07	1.21E-07
962	490386.72	3861085.12	9.19E-04	9.42E-04	8.88E-04	3.18E-07	9.61E-07	5.56E-07	5.70E-07	5.17E-07	2.36E-07	2.22E-07	1.06E-08	2.57E-07	5.67E-08	7.74E-08	1.23E-07	2.16E-08	1.47E-08	5.60E-07	2.90E-07	1.23E-07	1.45E-07	5.69E-08	2.90E-07	1.23E-07
963	490436.72	3861085.12	9.36E-04	9.58E-04	9.04E-04	3.24E-07	9.78E-07	5.66E-07	5.80E-07	5.26E-07	2.40E-07	2.26E-07	1.08E-08	2.61E-07	5.77E-08	7.87E-08	1.25E-07	2.20E-08	1.49E-08	5.70E-07	2.95E-07	1.25E-07	1.47E-07	5.79E-08	2.95E-07	1.25E-07
964	490486.72	3861085.12	9.55E-04	9.78E-04	9.23E-04	3.31E-07	9.98E-07	5.78E-07	5.92E-07	5.36E-07	2.45E-07	2.31E-07	1.10E-08	2.67E-07	5.88E-08	8.03E-08	1.27E-07	2.25E-08	1.52E-08	5.82E-07	3.01E-07	1.28E-07	1.50E-07	5.91E-08	3.01E-07	1.28E-07
965	490536.72	3861085.12	9.73E-04	9.96E-04	9.40E-04	3.37E-07	1.02E-06	5.88E-07	6.03E-07	5.46E-07	2.49E-07	2.35E-07	1.12E-08	2.72E-07	5.99E-08	8.18E-08	1.30E-07	2.29E-08	1.55E-08	5.93E-07	3.07E-07	1.30E-07	1.53E-07	6.02E-08	3.07E-07	1.30E-07
966	490586.72	3861085.12	9.92E-04	1.02E-03	9.58E-04	3.43E-07	1.04E-06	6.00E-07	6.15E-07	5.57E-07	2.54E-07	2.40E-07	1.15E-08	2.77E-07	6.11E-08	8.34E-08	1.32E-07	2.33E-08	1.58E-08	6.04E-07	3.13E-07	1.33E-07	1.56E-07	6.14E-08	3.13E-07	1.33E-07
967	490636.72	3861085.12	1.01E-03	1.04E-03	9.78E-04	3.50E-07	1.06E-06	6.13E-07	6.27E-07	5.69E-07	2.60E-07	2.45E-07	1.17E-08	2.83E-07	6.24E-08	8.52E-08	1.35E-07	2.38E-08	1.61E-08	6.17E-07	3.20E-07	1.36E-07	1.59E-07	6.27E-08	3.20E-07	1.36E-07
968	490686.72	3861085.12	1.03E-03	1.06E-03	9.98E-04	3.58E-07	1.08E-06	6.25E-07	6.40E-07	5.80E-07	2.65E-07	2.50E-07	1.19E-08	2.88E-07	6.37E-08	8.69E-08	1.38E-07	2.43E-08	1.65E-08	6.30E-07	3.26E-07	1.38E-07	1.63E-07	6.39E-08	3.26E-07	1.38E-07
969	490736.72	3861085.12	1.06E-03	1.08E-03	1.02E-03	3.65E-07	1.10E-06	6.38E-07	6.54E-07	5.93E-07	2.70E-07	2.55E-07	1.22E-08	2.95E-07	6.50E-08	8.88E-08	1.41E-07	2.48E-08	1.68E-08	6.43E-07	3.33E-07	1.41E-07	1.66E-07	6.53E-08	3.33E-07	1.41E-07
970	490786.72	3861085.12	1.08E-03	1.10E-03	1.04E-03	3.73E-07	1.13E-06	6.53E-07	6.69E-07	6.06E-07	2.77E-07	2.61E-07	1.25E-08	3.01E-07	6.65E-08	9.08E-08	1.44E-07	2.54E-08	1.72E-08	6.58E-07	3.41E-07	1.44E-07	1.70E-07	6.68E-08	3.41E-07	1.44E-07
971	490836.72	3861085.12	1.10E-03	1.13E-03	1.07E-03	3.82E-07	1.15E-06	6.68E-07	6.84E-07	6.20E-07	2.83E-07	2.67E-07	1.28E-08	3.08E-07	6.80E-08	9.29E-08	1.47E-07	2.60E-08	1.76E-08	6.73E-07	3.48E-07	1.48E-07	1.74E-07	6.83E-08	3.48E-07	1.48E-07
972	490086.72	3861135.12	8.07E-04	8.27E-04	7.80E-04	2.79E-07	8.44E-07	4.88E-07	5.00E-07	4.54E-07	2.07E-07	1.95E-07	9.33E-09	2.25E-07	4.97E-08	6.79E-08	1.08E-07	1.90E-08	1.29E-08	4.92E-07	2.55E-07	1.08E-07	1.27E-07	5.00E-08	2.55E-07	1.08E-07
973	490136.72	3861135.12	8.19E-04	8.39E-04	7.91E-04	2.84E-07	8.56E-07	4.96E-07	5.08E-07	4.60E-07	2.10E-07	1.98E-07	9.47E-09	2.29E-07	5.05E-08	6.89E-08	1.09E-07	1.93E-08	1.31E-08	4.99E-07	2.59E-07	1.10E-07	1.29E-07	5.07E-08	2.59E-07	1.10E-07
974	490186.72	3861135.12	8.34E-04	8.54E-04	8.06E-04	2.89E-07	8.72E-07	5.05E-07	5.17E-07	4.68E-07	2.14E-07	2.02E-07	9.64E-09	2.33E-07	5.14E-08	7.02E-08	1.11E-07	1.96E-08	1.33E-08	5.08E-07	2.63E-07	1.12E-07	1.31E-07	5.16E-08	2.63E-07	1.12E-07
975	490236.72	3861135.12	8.47E-04	8.68E-04	8.18E-04	2.93E-07	8.85E-07	5.13E-07	5.25E-07	4.76E-07	2.17E-07	2.05E-07	9.79E-09	2.37E-07	5.22E-08	7.13E-08	1.13E-07	1.99E-08	1.35E-08	5.16E-07	2.67E-07	1.13E-07	1.33E-07	5.24E-08	2.67E-07	1.13E-07
976	490286.72	3861135.12	8.60E-04	8.81E-04	8.31E-04	2.98E-07	8.99E-07	5.21E-07	5.33E-07	4.83E-07	2.21E-07	2.08E-07	9.95E-09	2.40E-07	5.30E-08	7.24E-08	1.15E-07	2.02E-08	1.37E-08	5.24E-07	2.72E-07	1.15E-07	1.36E-07	5.33E-08	2.72E-07	1.15E-07
977	490336.72	3861135.12	8.75E-04	8.96E-04	8.46E-04	3.03E-07	9.15E-07	5.30E-07	5.42E-07	4.92E-07	2.24E-07	2.12E-07	1.01E-08	2.44E-07	5.39E-08	7.36E-08	1.17E-07	2.06E-08	1.40E-08	5.33E-07	2.76E-07	1.17E-07	1.38E-07	5.42E-08	2.76E-07	1.17E-07
978	490386.72	3861135.12	8.91E-04	9.13E-04	8.61E-04	3.09E-07	9.32E-07	5.39E-07	5.52E-07	5.01E-07	2.29E-07	2.16E-07	1.03E-08	2.49E-07	5.49E-08	7.50E-08	1.19E-07	2.10E-08	1.42E-08	5.43E-07	2.81E-07	1.19E-07	1.40E-07	5.52E-08	2.81E-07	1.19E-07
979	490436.72	3861135.12	9.06E-04	9.28E-04	8.75E-04	3.14E-07	9.47E-07	5.48E-07	5.62E-07	5.09E-07	2.32E-07	2.19E-07	1.05E-08	2.53E-07	5.58E-08	7.62E-08	1.21E-07	2.13E-08	1.45E-08	5.52E-07	2.86E-07	1.21E-07	1.43E-07	5.61E-08	2.86E-07	1.21E-07
980	490486.72	3861135.12	9.24E-04	9.46E-04	8.93E-04	3.20E-07	9.66E-07	5.59E-07	5.73E-07	5.19E-07	2.37E-07	2.23E-07	1.07E-08	2.58E-07	5.69E-08	7.77E-08	1.23E-07	2.17E-08	1.47E-08	5.63E-07	2.92E-07	1.24E-07	1.46E-07	5.72E-08	2.92E-07	1.24E-07
981	490536.72	3861135.12	9.40E-04	9.63E-04	9.08E-04	3.25E-07	9.83E-07	5.69E-07	5.83E-07	5.28E-07	2.41E-07	2.27E-07	1.09E-08	2.63E-07	5.79E-08	7.91E-08	1.25E-07	2.21E-08	1.50E-08	5.73E-07	2.97E-07	1.26E-07	1.48E-07	5.82E-08	2.97E-07	1.26E-07
982	490586.72	3861135.12	9.59E-04	9.83E-04	9.27E-04	3.32E-07	1.00E-06	5.80E-07	5.95E-07	5.39E-07	2.46E-07	2.32E-07	1.11E-08	2.68E-07	5.91E-08	8.07E-08	1.28E-07	2.26E-08	1.53E-08	5.85E-07	3.03E-07	1.28E-07	1.51E-07	5.94E-08	3.03E-07	1.28E-07
983	490636.72	3861135.12	9.77E-04	1.00E-03	9.44E-04	3.38E-07	1.02E-06	5.91E-07	6.05E-07	5.49E-07	2.50E-07	2.36E-07	1.13E-08	2.73E-07	6.02E-08	8.22E-08	1.30E-07	2.30E-08	1.56E-08	5.95E-07	3.08E-07	1.31E-07	1.54E-07	6.05E-08	3.08E-07	1.31E-07
984	490686.72	3861135.12	9.96E-04	1.02E-03	9.62E-04	3.45E-07	1.04E-06	6.03E-07	6.17E-07	5.60E-07	2.55E-07	2.41E-07	1.15E-08	2.78E-07	6.14E-08	8.38E-08	1.33E-07	2.34E-08	1.59E-08	6.07E-07	3.14E-07	1.33E-07	1.57E-07	6.17E-08	3.14E-07	1.33E-07
985	490736.72	3861135.12	1.02E-03	1.04E-03	9.82E-04	3.52E-07	1.06E-06	6.15E-07	6.30E-07	5.71E-07	2.61E-07	2.46E-07	1.18E-08	2.84E-07	6.27E-08	8.56E-08	1.36E-07	2.39E-08	1.62E-08	6.20E-07	3.21E-07	1.36E-07	1.60E-07	6.29E-08	3.21E-07	1.36E-07
986	490786.72	3861135.12	1.04E-03	1.06E-03	1.00E-03	3.60E-07	1.09E-06	6.29E-07	6.44E-07	5.84E-07	2.66E-07	2.51E-07	1.20E-08	2.90E-07	6.40E-08	8.74E-08	1.39E-07	2.44E-08	1.66E-08	6.33E-07	3.28E-07	1.39E-07	1.64E-07	6.43E-08	3.28E-07	1.39E-07
987	490836.72	3861135.12	1.06E-03	1.09E-03	1.03E-03	3.68E-07	1.11E-06	6.43E-07	6.59E-07	5.97E-07	2.72E-07	2.57E-07	1.23E-08	2.97E-07	6.55E-08	8.94E-08	1.42E-07	2.50E-08	1.69E-08	6.48E-07	3.35E-07	1.42E-07	1.67E-07	6.58E-08	3.35E-07	1.42E-07
988	490086.72	3861185.12	7.85E-04	8.04E-04	7.59E-04	2.72E-07	8.21E-07	4.75E-07	4.87E-07	4.41E-07	2.01E-07	1.90E-07	9.08E-09	2.19E-07	4.84E-08	6.61E-08	1.05E-07	1.85E-08	1.25E-08	4.79E-07	2.48E-07	1.05E-07	1.24E-07	4.86E-08	2.48E-07	1.05E-07
989	490136.72	3861185.12	7.95E-04	8.15E-04	7.69E-04	2.75E-07	8.31E-07	4.81E-07	4.93E-07	4.47E-07	2.04E-07	1.92E-07	9.20E-09	2.22E-07	4.90E-08	6.69E-08	1.06E-07	1.87E-08	1.27E-08	4.85E-07	2.51E-07	1.07E-07	1.25E-07	4.92E-08	2.51E-07	1.07E-07
990	490186.72	3861185.12	8.09E-04	8.28E-04	7.81E-04	2.80E-07	8.45E-07	4.89E-07	5.01E-07	4.54E-07	2.07E-07	1.96E-07	9.35E-09	2.26E-07	4.98E-08	6.81E-08	1.08E-07	1.90E-08	1.29E-08	4.93E-07	2.55E-07	1.08E-07	1.27E-07	5.01E-08	2.55E-07	1.08E-07
991	490236.72	3861185.12	8.22E-04	8.42E-04	7.94E-04	2.85E-07	8.59E-07	4.97E-07	5.09E-07	4.62E-07	2.11E-07	1.99E-07	9.50E-09	2.30E-07	5.06E-08	6.92E-08	1.10E-07	1.93E-08	1.31E-08	5.01E-07	2.59E-07	1.10E-07	1.30E-07	5.09E-08	2.59E-07	1.10E-07
992	490286.72	3861185.12	8.35E-04	8.56E-04	8.07E-04	2.89E-07	8.73E-07	5.05E-07	5.18E-07	4.69E-07	2.14E-07	2.02E-07	9.66E-09	2.33E-07	5.15E-08	7.03E-08	1.12E-07	1.97E-08	1.33E-08	5.09E-07	2.64E-07	1.12E-07	1.32E-07	5.17E-08	2.64E-07	1.12E-07
993	490336.72	3861185.12	8.49E-04	8.69E-04	8.20E-04	2.94E-07	8.87E-07	5.13E-07	5.26E-07	4.77E-07	2.18E-07	2.05E-07	9.81E-09	2.37E-07	5.23E-08	7.14E-08	1.13E-07	2.00E-08	1.35E-08	5.17E-07	2.68E-07	1.14E-07	1.34E-07	5.25E-08	2.68E-07	1.14E-07
994	490386.72	3861185.12	8.63E-04	8.84E-04	8.34E-04	2.99E-07	9.02E-07	5.22E-07	5.35E-07	4.85E-07	2.21E-07	2.09E-07	9.98E-09	2.41E-07	5.32E-08	7.26E-08	1.15E-07	2.03E-08	1.38E-08	5.26E-07	2.72E-07	1.16E-07	1.36E-07	5.34E-08	2.72E-07	1.16E-07

995	490436.72	3861185.12	8.78E-04	8.99E-04	8.48E-04	3.04E-07	9.18E-07	5.31E-07	5.44E-07	4.93E-07	2.25E-07	2.12E-07	1.02E-08	2.45E-07	5.41E-08	7.39E-08	1.17E-07	2.07E-08	1.40E-08	5.35E-07	2.77E-07	1.18E-07	1.38E-07	5.43E-08	2.77E-07	1.18E-07
996	490486.72	3861185.12	8.94E-04	9.16E-04	8.64E-04	3.10E-07	9.35E-07	5.41E-07	5.54E-07	5.02E-07	2.29E-07	2.16E-07	1.03E-08	2.50E-07	5.51E-08	7.53E-08	1.19E-07	2.10E-08	1.43E-08	5.45E-07	2.82E-07	1.20E-07	1.41E-07	5.54E-08	2.82E-07	1.20E-07
997	490536.72	3861185.12	9.11E-04	9.33E-04	8.80E-04	3.15E-07	9.52E-07	5.51E-07	5.64E-07	5.12E-07	2.33E-07	2.20E-07	1.05E-08	2.54E-07	5.61E-08	7.66E-08	1.22E-07	2.14E-08	1.45E-08	5.55E-07	2.87E-07	1.22E-07	1.43E-07	5.64E-08	2.87E-07	1.22E-07
998	490586.72	3861185.12	9.28E-04	9.51E-04	8.97E-04	3.21E-07	9.70E-07	5.62E-07	5.75E-07	5.22E-07	2.38E-07	2.24E-07	1.07E-08	2.59E-07	5.72E-08	7.81E-08	1.24E-07	2.18E-08	1.48E-08	5.66E-07	2.93E-07	1.24E-07	1.46E-07	5.75E-08	2.93E-07	1.24E-07
999	490636.72	3861185.12	9.45E-04	9.67E-04	9.13E-04	3.27E-07	9.87E-07	5.72E-07	5.85E-07	5.31E-07	2.42E-07	2.28E-07	1.09E-08	2.64E-07	5.82E-08	7.95E-08	1.26E-07	2.22E-08	1.51E-08	5.76E-07	2.98E-07	1.26E-07	1.49E-07	5.85E-08	2.98E-07	1.26E-07
1000	490686.72	3861185.12	9.62E-04	9.86E-04	9.30E-04	3.33E-07	1.01E-06	5.82E-07	5.96E-07	5.41E-07	2.47E-07	2.33E-07	1.11E-08	2.69E-07	5.93E-08	8.10E-08	1.28E-07	2.26E-08	1.53E-08	5.86E-07	3.04E-07	1.29E-07	1.52E-07	5.96E-08	3.04E-07	1.29E-07
1001	490736.72	3861185.12	9.83E-04	1.01E-03	9.50E-04	3.40E-07	1.03E-06	5.95E-07	6.09E-07	5.52E-07	2.52E-07	2.38E-07	1.14E-08	2.74E-07	6.06E-08	8.27E-08	1.31E-07	2.31E-08	1.57E-08	5.99E-07	3.10E-07	1.32E-07	1.55E-07	6.08E-08	3.10E-07	1.32E-07
1002	490786.72	3861185.12	1.00E-03	1.03E-03	9.68E-04	3.47E-07	1.05E-06	6.06E-07	6.21E-07	5.63E-07	2.57E-07	2.42E-07	1.16E-08	2.80E-07	6.17E-08	8.43E-08	1.34E-07	2.36E-08	1.60E-08	6.11E-07	3.16E-07	1.34E-07	1.58E-07	6.20E-08	3.16E-07	1.34E-07
1003	490836.72	3861185.12	1.02E-03	1.05E-03	9.90E-04	3.55E-07	1.07E-06	6.20E-07	6.35E-07	5.75E-07	2.63E-07	2.48E-07	1.18E-08	2.86E-07	6.31E-08	8.62E-08	1.37E-07	2.41E-08	1.63E-08	6.24E-07	3.23E-07	1.37E-07	1.61E-07	6.34E-08	3.23E-07	1.37E-07
1004	490086.72	3861235.12	7.63E-04	7.82E-04	7.37E-04	2.64E-07	7.98E-07	4.62E-07	4.73E-07	4.29E-07	1.96E-07	1.84E-07	8.82E-09	2.13E-07	4.70E-08	6.42E-08	1.02E-07	1.79E-08	1.22E-08	4.65E-07	2.41E-07	1.02E-07	1.20E-07	4.72E-08	2.41E-07	1.02E-07
1005	490136.72	3861235.12	7.75E-04	7.94E-04	7.49E-04	2.68E-07	8.10E-07	4.69E-07	4.80E-07	4.35E-07	1.99E-07	1.87E-07	8.96E-09	2.16E-07	4.77E-08	6.52E-08	1.03E-07	1.82E-08	1.24E-08	4.72E-07	2.45E-07	1.04E-07	1.22E-07	4.80E-08	2.45E-07	1.04E-07
1006	490186.72	3861235.12	7.87E-04	8.06E-04	7.60E-04	2.72E-07	8.22E-07	4.76E-07	4.88E-07	4.42E-07	2.02E-07	1.90E-07	9.09E-09	2.20E-07	4.85E-08	6.62E-08	1.05E-07	1.85E-08	1.25E-08	4.79E-07	2.48E-07	1.05E-07	1.24E-07	4.87E-08	2.48E-07	1.05E-07
1007	490236.72	3861235.12	7.98E-04	8.18E-04	7.71E-04	2.76E-07	8.35E-07	4.83E-07	4.95E-07	4.49E-07	2.05E-07	1.93E-07	9.23E-09	2.23E-07	4.92E-08	6.72E-08	1.07E-07	1.88E-08	1.27E-08	4.87E-07	2.52E-07	1.07E-07	1.26E-07	4.94E-08	2.52E-07	1.07E-07
1008	490386.72	3861235.12	8.37E-04	8.57E-04	8.08E-04	2.90E-07	8.75E-07	5.06E-07	5.19E-07	4.70E-07	2.15E-07	2.02E-07	9.67E-09	2.34E-07	5.16E-08	7.04E-08	1.12E-07	1.97E-08	1.33E-08	5.10E-07	2.64E-07	1.12E-07	1.32E-07	5.18E-08	2.64E-07	1.12E-07
1009	490436.72	3861235.12	8.52E-04	8.72E-04	8.23E-04	2.95E-07	8.90E-07	5.15E-07	5.28E-07	4.78E-07	2.18E-07	2.06E-07	9.84E-09	2.38E-07	5.25E-08	7.17E-08	1.14E-07	2.00E-08	1.36E-08	5.19E-07	2.69E-07	1.14E-07	1.34E-07	5.27E-08	2.69E-07	1.14E-07
1010	490486.72	3861235.12	8.66E-04	8.87E-04	8.37E-04	3.00E-07	9.06E-07	5.24E-07	5.37E-07	4.87E-07	2.22E-07	2.09E-07	1.00E-08	2.42E-07	5.34E-08	7.29E-08	1.16E-07	2.04E-08	1.38E-08	5.28E-07	2.73E-07	1.16E-07	1.36E-07	5.36E-08	2.73E-07	1.16E-07
1011	490536.72	3861235.12	8.83E-04	9.04E-04	8.53E-04	3.06E-07	9.22E-07	5.34E-07	5.47E-07	4.96E-07	2.26E-07	2.13E-07	1.02E-08	2.46E-07	5.44E-08	7.43E-08	1.18E-07	2.08E-08	1.41E-08	5.38E-07	2.79E-07	1.18E-07	1.39E-07	5.46E-08	2.79E-07	1.18E-07
1012	490586.72	3861235.12	8.99E-04	9.21E-04	8.68E-04	3.11E-07	9.39E-07	5.44E-07	5.57E-07	5.05E-07	2.30E-07	2.17E-07	1.04E-08	2.51E-07	5.54E-08	7.56E-08	1.20E-07	2.11E-08	1.43E-08	5.48E-07	2.84E-07	1.20E-07	1.42E-07	5.56E-08	2.84E-07	1.20E-07
1013	490636.72	3861235.12	9.14E-04	9.36E-04	8.83E-04	3.16E-07	9.55E-07	5.53E-07	5.66E-07	5.13E-07	2.34E-07	2.21E-07	1.06E-08	2.55E-07	5.63E-08	7.69E-08	1.22E-07	2.15E-08	1.46E-08	5.57E-07	2.88E-07	1.22E-07	1.44E-07	5.65E-08	2.88E-07	1.22E-07
1014	490686.72	3861235.12	9.31E-04	9.54E-04	9.00E-04	3.22E-07	9.73E-07	5.63E-07	5.77E-07	5.23E-07	2.39E-07	2.25E-07	1.08E-08	2.60E-07	5.74E-08	7.84E-08	1.24E-07	2.19E-08	1.49E-08	5.68E-07	2.94E-07	1.25E-07	1.47E-07	5.76E-08	2.94E-07	1.25E-07
1015	490736.72	3861235.12	9.49E-04	9.72E-04	9.17E-04	3.29E-07	9.92E-07	5.74E-07	5.88E-07	5.33E-07	2.43E-07	2.29E-07	1.10E-08	2.65E-07	5.85E-08	7.98E-08	1.27E-07	2.23E-08	1.51E-08	5.78E-07	3.00E-07	1.27E-07	1.49E-07	5.87E-08	3.00E-07	1.27E-07
1016	490786.72	3861235.12	9.68E-04	9.92E-04	9.35E-04	3.35E-07	1.01E-06	5.86E-07	6.00E-07	5.44E-07	2.48E-07	2.34E-07	1.12E-08	2.70E-07	5.97E-08	8.15E-08	1.29E-07	2.28E-08	1.54E-08	5.90E-07	3.06E-07	1.30E-07	1.53E-07	5.99E-08	3.06E-07	1.30E-07
1017	490836.72	3861235.12	9.89E-04	1.01E-03	9.55E-04	3.42E-07	1.03E-06	5.98E-07	6.13E-07	5.56E-07	2.53E-07	2.39E-07	1.14E-08	2.76E-07	6.09E-08	8.32E-08	1.32E-07	2.33E-08	1.58E-08	6.03E-07	3.12E-07	1.32E-07	1.56E-07	6.12E-08	3.12E-07	1.32E-07
1018	490086.72	3861285.12	7.44E-04	7.62E-04	7.19E-04	2.57E-07	7.77E-07	4.50E-07	4.61E-07	4.18E-07	1.91E-07	1.80E-07	8.60E-09	2.08E-07	4.58E-08	6.26E-08	9.93E-08	1.75E-08	1.19E-08	4.53E-07	2.35E-07	9.96E-08	1.17E-07	4.60E-08	2.35E-07	9.96E-08
1019	490136.72	3861285.12	7.54E-04	7.72E-04	7.29E-04	2.61E-07	7.88E-07	4.56E-07	4.67E-07	4.24E-07	1.93E-07	1.82E-07	8.72E-09	2.11E-07	4.65E-08	6.35E-08	1.01E-07	1.77E-08	1.20E-08	4.60E-07	2.38E-07	1.01E-07	1.19E-07	4.67E-08	2.38E-07	1.01E-07
1020	490186.72	3861285.12	7.65E-04	7.83E-04	7.39E-04	2.65E-07	7.99E-07	4.63E-07	4.74E-07	4.29E-07	1.96E-07	1.85E-07	8.84E-09	2.13E-07	4.71E-08	6.43E-08	1.02E-07	1.80E-08	1.22E-08	4.66E-07	2.41E-07	1.02E-07	1.20E-07	4.73E-08	2.41E-07	1.02E-07
1021	490236.72	3861285.12	7.76E-04	7.95E-04	7.50E-04	2.69E-07	8.11E-07	4.70E-07	4.81E-07	4.36E-07	1.99E-07	1.88E-07	8.97E-09	2.17E-07	4.78E-08	6.53E-08	1.04E-07	1.83E-08	1.24E-08	4.73E-07	2.45E-07	1.04E-07	1.22E-07	4.80E-08	2.45E-07	1.04E-07
1022	490386.72	3861285.12	8.13E-04	8.33E-04	7.86E-04	2.82E-07	8.50E-07	4.92E-07	5.04E-07	4.57E-07	2.08E-07	1.97E-07	9.40E-09	2.27E-07	5.01E-08	6.84E-08	1.09E-07	1.91E-08	1.30E-08	4.96E-07	2.57E-07	1.09E-07	1.28E-07	5.03E-08	2.57E-07	1.09E-07
1023	490436.72	3861285.12	8.26E-04	8.47E-04	7.98E-04	2.86E-07	8.64E-07	5.00E-07	5.12E-07	4.64E-07	2.12E-07	2.00E-07	9.55E-09	2.31E-07	5.09E-08	6.95E-08	1.10E-07	1.94E-08	1.32E-08	5.04E-07	2.61E-07	1.11E-07	1.30E-07	5.12E-08	2.61E-07	1.11E-07
1024	490486.72	3861285.12	8.40E-04	8.60E-04	8.11E-04	2.91E-07	8.78E-07	5.08E-07	5.20E-07	4.72E-07	2.15E-07	2.03E-07	9.71E-09	2.34E-07	5.17E-08	7.07E-08	1.12E-07	1.98E-08	1.34E-08	5.12E-07	2.65E-07	1.12E-07	1.32E-07	5.20E-08	2.65E-07	1.12E-07
1025	490536.72	3861285.12	8.55E-04	8.75E-04	8.26E-04	2.96E-07	8.93E-07	5.17E-07	5.30E-07	4.80E-07	2.19E-07	2.07E-07	9.88E-09	2.39E-07	5.27E-08	7.19E-08	1.14E-07	2.01E-08	1.36E-08	5.21E-07	2.70E-07	1.14E-07	1.35E-07	5.29E-08	2.70E-07	1.14E-07
1026	490586.72	3861285.12	8.71E-04	8.92E-04	8.41E-04	3.01E-07	9.10E-07	5.27E-07	5.40E-07	4.89E-07	2.23E-07	2.11E-07	1.01E-08	2.43E-07	5.37E-08	7.33E-08	1.16E-07	2.05E-08	1.39E-08	5.31E-07	2.75E-07	1.17E-07	1.37E-07	5.39E-08	2.75E-07	1.17E-07
1027	490636.72	3861285.12	8.86E-04	9.07E-04	8.56E-04	3.07E-07	9.26E-07	5.36E-07	5.49E-07	4.97E-07	2.27E-07	2.14E-07	1.02E-08	2.47E-07	5.46E-08	7.45E-08	1.18E-07	2.08E-08	1.41E-08	5.40E-07	2.79E-07	1.19E-07	1.40E-07	5.48E-08	2.79E-07	1.19E-07
1028	490686.72	3861285.12	9.00E-04	9.22E-04	8.70E-04	3.12E-07	9.41E-07	5.45E-07	5.58E-07	5.06E-07	2.31E-07	2.18E-07	1.04E-08	2.51E-07	5.55E-08	7.58E-08	1.20E-07	2.12E-08	1.44E-08	5.49E-07	2.84E-07	1.21E-07	1.42E-07	5.57E-08	2.84E-07	1.21E-07
1029	490736.72	3861285.12	9.19E-04	9.42E-04	8.88E-04	3.18E-07	9.61E-07	5.56E-07	5.70E-07	5.17E-07	2.36E-07	2.22E-07	1.06E-08	2.57E-07	5.67E-08	7.74E-08	1.23E-07	2.16E-08	1.47E-08	5.60E-07	2.90E-07	1.23E-07	1.45E-07	5.69E-08	2.90E-07	1.23E-07
1030	490786.72	3861285.12	9.36E-04	9.58E-04	9.04E-04	3.24E-07	9.78E-07	5.66E-07	5.80E-07	5.26E-07	2.40E-07	2.26E-07	1.08E-08	2.61E-07	5.77E-08	7.87E-08	1.25E-07	2.20E-08	1.49E-08	5.70E-07	2.95E-07	1.25E-07	1.47E-07	5.79E-08	2.95E-07	1.25E-07
1031	490836.72	3861285.12	9.53E-04	9.77E-04	9.21E-04	3.30E-07	9.97E-07	5.77E-07	5.91E-07	5.36E-07	2.44E-07	2.31E-07	1.10E-08	2.66E-07	5.87E-08	8.02E-08	1.27E-07	2.24E-08	1.52E-08	5.81E-07	3.01E-07	1.28E-07	1.50E-07	5.90E-08	3.01E-07	1.28E-07
1032	490061.24	3859716.13	8.06E-03	8.25E-03	7.78E-03	2.79E-06	8.42E-06	4.87E-06	4.99E-06	4.53E-06	2.07E-06	1.95E-06	9.31E-08	2.25E-06	4.96E-07	6.78E-07	1.08E-06	1.90E-07	1.28E-07	4.91E-06	2.54E-06	1.08E-06	1.27E-06	4.99E-07	2.54E-06	1.08E-06
1033	490111.24	3859716.13	9.76E-03	1.00E-02	9.43E-03	3.38E-06	1.02E-05	5.91E-06	6.05E-06	5.49E-06	2.50E-06	2.36E-06	1.13E-07	2.73E-06	6.02E-07	8.22E-07	1.30E-06	2.30E-07	1.56E-07	5.95E-06	3.08E-06	1.31E-06	1.54E-06	6.04E-07	3.08E-06	1.31E-06
1034	490161.24	3859716.13	1.22E-02	1.25E-02	1.18E-02	4.23E-06	1.28E-05	7.40E-06	7.58E-06	6.87E-06	3.14E-06	2.96E-06	1.41E-07	3.42E-06	7.54E-07	1.03E-06	1.63E-06	2.88E-07	1.95E-07	7.46E-06	3.86E-06	1.64E-06	1.93E-06	7.57E-07	3.86E-06	1.64E-06
1035	490211.24	3859716.13	1.60E-02	1.64E-02	1.54E-02	5.53E-06	1.67E-05	9.67E-06	9.90E-06	8.97E-06	4.09E-06	3.86E-06	1.85E-07	4.46E-06	9.84E-07	1.34E-06	2.13E-06	3.76E-07	2.55E-07	9.74E-06	5.04E-06	2.14E-06	2.52E-06	9.89E-07	5.04E-06	2.14E-06
1036	490061.24	3859766.13	5.67E-03	5.81E-03	5.48E-03	1.96E-06	5.93E-06	3.43E-06	3.51E-06	3.18E-06	1.45E-06	1.37E-06	6.55E-08	1.58E-06	3.49E-07	4.77E-07	7.57E-07	1.33E-07	9.04E-08	3.46E-06	1.79E-06	7.59E-07	8.93E-07	3.51E-07	1.79E-06	7.59E-07
1037	490111.24	3859766.13	6.46E-03	6.62E-03	6.24E-03	2.24E-06	6.75E-06	3.91E-06	4.00E-06	3.63E-06	1.66E-06	1.56E-06	7.47E-08	1.80E-06	3.98E-07	5.44E-07	8.62E-07	1.52E-07	1.03E-07	3.94E-06	2.04E-06	8.65E-07	1.02E-06	4.00E-07	2.04E-06	8.65E-07
1038	490161.24	3859766.13	7.48E-03	7.66E-03	7.22E-03	2.59E-06	7.81E-06	4.52E-06	4.63E-06	4.20E-06	1.92E-06	1.81E-06	8.64E-08	2.09E-06	4.61E-07	6.29E-07	9.98E-07	1.76E-07	1.19E-07	4.56E-06	2.36E-06	1.00E-06	1.18E-06	4.63E-07	2.36E-06	1.00E-06
1039	490211.24	3859766.13	8.86E-03	9.07E-03	8.56E-03	3.07E-06	9.26E-06	5.36E-06	5.49E-06	4.98E-06	2.27E-06	2.14E-06	1.02E-07	2.47E-06	5.46E-07	7.45E-07	1.18E-06	2.08E-07	1.41E-07	5.40E-06	2.80E-06	1.19E-06	1.40E-06	5.48E-07	2.80E-06	1.19E-06
1040	490061.24	3859816.13	4.38E-03	4.49E-03	4.23E-03	1.52E-06	4.58E-06	2.65E-06	2.72E-06	2.46E-06	1.12E-06	1.06E-06	5.07E-08	1.22E-06	2.70E-07	3.69E-07	5.85E-07	1.03E-07	6.99E-08	2.67E-06	1.38E-06	5.87E-07	6.90E-07	2.71E-07	1.38E-06	5.87E-07
1041	490111.24	3859816.13	4.83E-03	4.95E-03	4.67E-03	1.67E-06	5.05E-06	2.92E-06	2.99E-06	2.71E-06	1.24E-06	1.17E-06	5.58E-08	1.35E-06	2.98E-07	4.06E-07	6.45E-07	1.14E-07	7.70E-08	2.94E-06	1.52E-06	6.47E-07	7.61E-07	2.99E-07	1.52E-06	6.47E-07
1042	490161.24	3859816.13	5.38E-03	5.51E-03	5.19E-03	1.86E-06	5.62E-06	3.25E-06	3.33E-06	3.02E-06	1.38E-06	1.30E-06	6.22E-08	1.50E-06	3.31E-07	4.52E-07	7.18E-07	1.26E-07	8.57E-08	3.28E-06	1.70E-06	7.20E-07	8.47E-07	3.33E-07	1.70E-06	7.20E-07
1043	490211.24	3859816.13	6.05E-03	6.20E-03	5.85E-03	2.09E-06	6.32E-06	3.66E-06	3.75E-06	3.40E-06	1.55E-06	1.46E-06	6.99E-08	1.69E-06	3.73E-07	5.09E-07	8.08E-07	1.42E-07	9.65E-08	3.69E-06	1.91E-06	8.10E-07	9.53E-07	3.74E-07	1.91E-06	8.10E-07
1044	490061.24	3859866.13	3.59E-03	3.67E-03	3.46E-03	1.24E-06	3.75E-06	2.17E-06	2.22E-06	2.01E-06	9.19E-07	8.67E-07	4.15E-08	1.00E-06	2.21E-07	3.02E-07	4.79E-07	8.44E-08	5.72E-08	2.19E-06	1.13E-06	4.80E-07	5.65E-07	2.22E-07	1.13E-06	4.80E-07
1045	490111.24	3859866.13	3.88E-03	3.97E-03	3.74E-03	1.34E-06	4.05E-06	2.35E-06	2.40E-06	2.18E-06	9.93E-07	9.37E-07	4.48E-08	1.08E-06	2.39E-07	3.26E-07	5.17E-07	9.12E-08	6.18E-08	2.36E-06	1.22E-06	5.19E-07	6.11E-07	2.40E-07	1.22E-06	5.19E-07
1046	490161.24	3859866.13	4.22E-03	4.32E-03	4.07E-03	1.46E-06	4.41E-06	2.55E-06	2.61E-06	2.37E-06	1.08E-06	1.02E-06	4.87E-08	1.18E-06	2.60E-07	3.55E-07	5.63E-07	9.92E-08	6.72E-08	2.57E-06	1.33E-06	5.65E-07	6.64E-07	2.61E-07	1.33E-06	5.65E-07
1047	490211.24	3859866.13	4.62E-03	4.73E-03	4.46E-03	1.60E-06	4.83E-06	2.79E-06	2.86E-06	2.59E-06	1.18E-06	1.12E-06	5.34E-08	1.29E-06	2.85E-07	3.89E-07	6.16E-07	1.09E-07	7.37E-08	2.81E-06	1.46E-06	6.18E-07	7.27E-07	2.86E-07	1.46E-06	6.18E-07
1048	490061.24	3859916.13	3.05E-03	3.12E-03	2.94E-03	1.05E-06	3.18E-06	1.84E-06	1.89E-06	1.71E-06	7.81E-07	7.37E-07	3.52E-08	8.51E-07	1.88E-07	2.56E-07	4.07E-07	7.17E-08	4.86E-08	1.86E-06	9.61E-07	4.08E-07	4.80E-07	1.89E-07	9.61E-07	4.08E-07
1049	490111.24	3859916.13	3.25E-03	3.33E-03	3.14E-03	1.13E-06	3.40E-06	1.97E-06	2.01E-06	1.83E-06	8.33E-07	7.86E-07	3.76E-08	9.08E-07	2.00E-07	2.74E-07	4.34E-07	7.65E-08	5.19E-08	1.98E-06	1.03E-06	4.35E-07	5.12E-07	2.01E-07	1.03E-06	4.35E-07
1050	490161.24	3859916.13	3.48E-03	3.57E-03	3.36E-03	1.21E-06	3.64E-06	2.11E-06	2.16E-06	1.96E-06	8.92E-07	8.42E-07	4.02E-08	9.72E-07	2.15E-07	2.93E-07	4.65E-07	8.19E-08	5.55E-08	2.12E-06	1.10E-06	4.66E-07	5.48E-07	2.15E-07	1.10E-06	4.66E-07
1051	490211.24	3859916.13	3.74E-03	3.83E-03	3.62E-03	1.30E-06	3.91E-06	2.26E-06	2.32E-06	2.10E-06	9.59E-07	9.05E-07	4.33E-08	1.05E-06	2.31E-07	3.15E-07	5.00E-07	8.80E-08	5.97E-08	2.28E-06	1.18E-06	5.01E-07	5.90E-07	2.32E-07	1.18E-06	5.01E-07
1052	490229.25	3859815.26	6.38E-03	6.54E-03	6.17E-03	2.21E-06	6.67E-06	3.86E-06	3.96E-06	3.59E-06	1.64E-06	1.54E-06	7.38E-08	1.78E-06	3.93E-07	5.37E-07	8.52E-07	1.50E-07	1.02E-07	3.89E-06	2.02E-06	8.55E-07	1.01E-06	3.95E-07	2.02E-06	8.55E-07
1053	490279.25	3859815.26	7.34E-03	7.52E-03	7.10E-03	2.54E-06	7.68E-06	4.44E-06	4.55E-06	4.13E-06	1.88E-06	1.78E-06	8.49E-08	2.05E-06	4.52E-07	6.18E-07	9.80E-07	1.73E-07	1.17E-07	4.48E-06	2.32E-06	9.83E-07	1.16E-06	4.55E-07	2.32E-06	9.83E-07
1054	490329.25	3859815.26	8.62E-03	8.83E-03	8.33E-03	2.98E-06	9.01E-06	5.21E-06	5.34E-06	4.84E-06	2.21E-06	2.08E-06	9.96E-08	2.41E-06	5.31E-07	7.25E-07	1.15E-06	2.03E-07	1.37E-07	5.25E-06	2.72E-06	1.15E-06	1.36E-06	5.33E-07	2.72E-06	1.15E-06
1055	490379.25	3859815.26	1.05E-02	1.07E-02	1.01E-02	3.63E-06	1.10E-05	6.34E-06	6.49E-06	5.89E-06	2.69E-06	2.53E-06	1.21E-07	2.93E-06	6.46E-07	8.82E-07	1.40E-06	2.47E-07	1.67E-07	6.39E-06	3.31E-06	1.40E-06	1.65E-06	6.49E-07	3.31E-06	1.40E-06
1056	490429.25	3859815.26	1.34E-02	1.37E-02	1.29E-02	4.63E-06	1.40E-05	8.09E-06	8.28E-06	7.51E-06	3.43E-06	3.23E-06	1.54E-07	3.73E-06	8.23E-07	1.12E-06	1.78E-06	3.14E-07	2.13E-07	8.14E-06	4.22E-06	1.79E-06	2.11E-06	8.27E-07	4.22E-06	1.79E-06
1057	490229.25	3859865.26	4.80E-03	4.92E-03	4.64E-03	1.66E-06	5.02E-06	2.91E-06	2.98E-06	2.70E-06	1.23E-06	1.16E-06	5.55E-08	1.34E-06	2.96E-07	4.04E-07	6.41E-07	1.13E-07	7.66E-08	2.93E-06	1.52E-06	6.43E-07	7.57E-07	2.97E-07	1.52E-06	6.43E-07
1058	490279.25	3859865.26	5.32E-03	5.45E-03	5.14E-03	1.84E-06	5.56E-06	3.22E-06	3.30E-06	2.99E-06	1.36E-06	1.29E-06	6.15E-08	1.49E-06	3.28E-07	4.48E-07	7.10E-07	1.25E-07	8.48E-08	3.24E-06	1.68E-06	7.12E-07	8.38E-07	3.29E-07	1.68E-06	7.12E-07
1059	490329.25	3859865.26	5.96E-03	6.10E-03	5.76E-03	2.06E-06	6.23E-06	3.61E-06	3.69E-06	3.35E-06	1.53E-06	1.44E-06	6.89E-08	1.66E-06	3.67E-07	5.01E-07	7.95E-07	1.40E-07	9.50E-08	3.63E-06	1.88E-06	7.98E-07	9.39E-07	3.69E-07	1.88E-06	7.98E-07
1060	490379.25	3859865.26	6.79E-03	6.96E-03	6.56E-03	2.35E-06	7.10E-06	4.11E-06	4.21E-06	3.82E-06	1.74E-06	1.64E-06	7.85E-08	1.90E-06	4.19E-07	5.72E-07	9.07E-07	1.60E-07	1.08E-07	4.14E-06	2.14E-06	9.10E-07	1.07E-06	4.20E-07	2.14E-06	9.10E-07
1061	490429.25	3859865.26	7.90E-03	8.09E-03	7.64E-03	2.74E-06	8.26E-06	4.78E-06	4.90E-06	4.44E-06	2.03E-06	1.91E-06	9.14E-08	2.21E-06	4.87E-07	6.65E-07	1.05E-06	1.86E-07	1.26E-07	4.82E-06	2.49E-06	1.06E-06	1.25E-06	4.89E-07	2.49E-06	1.06E-06
1062	490229.25	3859915.26	3.86E-03	3.96E-03	3.73E-03	1.34E-06	4.04E-06	2.34E-06	2.39E-06	2.17E-06	9.90E-07	9.34E-07	4.46E-08	1.08E-06	2.38E-07	3.25E-07	5.16E-07	9.09E-08	6.16E-08	2.35E-06	1.22E-06	5.17E-07	6.08E-07	2.39E-07	1.22E-06	5.17E-07
1063	490279.25	3859915.26	4.18E-03	4.28E-03	4.04E-03	1.45E-06	4.37E-06	2.53E-06	2.59E-06	2.35E-06	1.07E-06	1.01E-06	4.83E-08	1.17E-06	2.58E-07	3.52E-07	5.58E-07	9.83E-08	6.67E-08	2.55E-06	1.32E-06	5.60E-07	6.58E-07	2.59E-07	1.32E-06	5.60E-07
1064	490329.25	3859915.26	4.56E-03	4.67E-03	4.41E-03	1.58E-06	4.77E-06	2.76E-06	2.83E-06	2.56E-06	1.17E-06	1.10E-06	5.28E-08	1.27E-06	2.81E-07	3.84E-07	6.09E-07	1.07E-07	7.28E-08	2.78E-06	1.44E-06	6.11E-07	7.19E-07	2.82E-07	1.44E-06	6.11E-07
1065	490379.25	3859915.26	5.03E-03	5.15E-03	4.86E-03	1.74E-06	5.26E-06	3.04E-06	3.12E-06	2.82E-06	1.29E-06	1.22E-06	5.81E-08	1.40E-06	3.10E-07	4.23E-07	6.71E-07	1.18E-07	8.02E-08	3.06E-06	1.59E-06	6.73E-07	7.92E-07	3.11E-07	1.59E-06	6.73E-07
1066	490429.25	3859915.26	5.60E-03	5.73E-03	5.41E-03	1.94E-06	5.85E-06	3.39E-06	3.47E-06	3.14E-06	1.43E-06	1.35E-06	6.47E-08	1.56E-06	3.45E-07	4.71E-07	7.47E-07	1.32E-07	8.93E-08	3.41E-06	1.77E-06	7.49E-07	8.82E-07	3.46E-07	1.77E-06	7.49E-07
1067	490451.43	3859872.59	7.99E-03	8.18E-03	7.72E-03	2.76E-06	8.35E-06	4.83E-06	4.95E-06	4.49E-06	2.05E-06	1.93E-06	9.23E-08	2.23E-06	4.92E-07	6.72E-07	1.07E-06	1.88E-07	1.27E-07	4.87E-06	2.52E-06	1.07E-06	1.26E-06	4.94E-07	2.52E-06	1.07E-06
1068	490501.43	3859872.59	9.60E-03	9.83E-03	9.27E-03	3.32E-06	1.00E-05	5.81E-06	5.95E-06	5.39E-06	2.46E-06	2.32E-06	1.11E-07	2.68E-06	5.91E-07	8.08E-07	1.28E-06	2.26E-07	1.53E-07	5.85E-06	3.03E-06	1.29E-06	1.51E-06	5.94E-07	3.03E-06	1.29E-06
1069	490551.43	3859872.59	1.21E-02	1.24E-02	1.17E-02	4.19E-06	1.26E-05	7.32E-06	7.50E-06	6.80E-06	3.10E-06	2.92E-06	1.40E-07	3.38E-06	7.45E-07	1.02E-06	1.61E-06	2.85E-07	1.93E-07	7.37E-06	3.82E-06	1.62E-06	1.91E-06	7.49E-07	3.82E-06	1.62E-06
1070	490601.43	3859872.59	1.61E-02	1.65E-02	1.55E-02	5.56E-06	1.68E-05	9.72E-06	9.96E-06	9.03E-06	4.12E-06	3.89E-06	1.86E-07	4.49E-06	9.90E-07	1.35E-06	2.15E-06	3.78E-07	2.56E-07	9.80E-06	5.07E-06	2.15E-06	2.53E-06	9.95E-07	5.07E-06	2.15E-06
1071	490451.43	3859922.59	5.64E-03	5.78E-03	5.45E-03	1.95E-06	5.90E-06	3.41E-06	3.50E-06	3.17E-06	1.45E-06	1.36E-06	6.52E-08	1.58E-06	3.48E-07	4.75E-07	7.53E-07	1.33E-07	9.00E-08	3.44E-06	1.78E-06	7.56E-07	8.89E-07	3.49E-07	1.78E-06	7.56E-07

1072	490501.43	3859922.59	6.39E-03	6.55E-03	6.18E-03	2.21E-06	6.68E-06	3.87E-06	3.96E-06	3.59E-06	1.64E-06	1.55E-06	7.39E-08	1.78E-06	3.94E-07	5.38E-07	8.53E-07	1.50E-07	1.02E-07	3.90E-06	2.02E-06	8.56E-07	1.01E-06	3.96E-07	2.02E-06	8.56E-07
1073	490551.43	3859922.59	7.42E-03	7.60E-03	7.17E-03	2.57E-06	7.75E-06	4.49E-06	4.60E-06	4.17E-06	1.90E-06	1.79E-06	8.58E-08	2.07E-06	4.57E-07	6.24E-07	9.90E-07	1.75E-07	1.18E-07	4.52E-06	2.34E-06	9.94E-07	1.17E-06	4.59E-07	2.34E-06	9.94E-07
1074	490601.43	3859922.59	8.85E-03	9.07E-03	8.55E-03	3.06E-06	9.25E-06	5.36E-06	5.49E-06	4.97E-06	2.27E-06	2.14E-06	1.02E-07	2.47E-06	5.46E-07	7.45E-07	1.18E-06	2.08E-07	1.41E-07	5.40E-06	2.79E-06	1.19E-06	1.39E-06	5.48E-07	2.79E-06	1.19E-06
1075	482129.67	3852241.07	1.05E-02	1.08E-02	1.02E-02	3.65E-06	1.10E-05	6.38E-06	6.53E-06	5.92E-06	2.70E-06	2.55E-06	1.22E-07	2.94E-06	6.49E-07	8.87E-07	1.41E-06	2.48E-07	1.68E-07	6.42E-06	3.33E-06	1.41E-06	1.66E-06	6.52E-07	3.33E-06	1.41E-06
1076	482029.67	3852291.07	1.97E-02	2.01E-02	1.90E-02	6.81E-06	2.06E-05	1.19E-05	1.22E-05	1.11E-05	5.04E-06	4.76E-06	2.27E-07	5.49E-06	1.21E-06	1.66E-06	2.63E-06	4.63E-07	3.14E-07	1.20E-05	6.21E-06	2.63E-06	3.10E-06	1.22E-06	6.21E-06	2.63E-06
1077	482079.67	3852291.07	1.53E-02	1.56E-02	1.47E-02	5.28E-06	1.59E-05	9.23E-06	9.45E-06	8.57E-06	3.91E-06	3.69E-06	1.76E-07	4.26E-06	9.40E-07	1.28E-06	2.04E-06	3.59E-07	2.43E-07	9.30E-06	4.82E-06	2.04E-06	2.40E-06	9.44E-07	4.82E-06	2.04E-06
1078	482129.67	3852291.07	1.24E-02	1.27E-02	1.20E-02	4.29E-06	1.30E-05	7.50E-06	7.68E-06	6.97E-06	3.18E-06	3.00E-06	1.43E-07	3.46E-06	7.64E-07	1.04E-06	1.66E-06	2.92E-07	1.98E-07	7.56E-06	3.91E-06	1.66E-06	1.95E-06	7.67E-07	3.91E-06	1.66E-06
1079	482179.67	3852291.07	1.03E-02	1.06E-02	9.97E-03	3.57E-06	1.08E-05	6.24E-06	6.39E-06	5.80E-06	2.64E-06	2.49E-06	1.19E-07	2.88E-06	6.36E-07	8.68E-07	1.38E-06	2.43E-07	1.65E-07	6.29E-06	3.26E-06	1.38E-06	1.63E-06	6.38E-07	3.26E-06	1.38E-06
1080	482229.67	3852291.07	8.73E-03	8.94E-03	8.44E-03	3.02E-06	9.13E-06	5.28E-06	5.41E-06	4.91E-06	2.24E-06	2.11E-06	1.01E-07	2.44E-06	5.38E-07	7.35E-07	1.17E-06	2.05E-07	1.39E-07	5.32E-06	2.76E-06	1.17E-06	1.38E-06	5.40E-07	2.76E-06	1.17E-06
1081	482029.67	3852341.07	2.71E-02	2.78E-02	2.62E-02	9.39E-06	2.84E-05	1.64E-05	1.68E-05	1.52E-05	6.96E-06	6.56E-06	3.14E-07	7.58E-06	1.67E-06	2.28E-06	3.62E-06	6.38E-07	4.33E-07	1.65E-05	8.56E-06	3.63E-06	4.27E-06	1.68E-06	8.56E-06	3.63E-06
1082	482079.67	3852341.07	1.95E-02	2.00E-02	1.88E-02	6.75E-06	2.04E-05	1.18E-05	1.21E-05	1.10E-05	5.00E-06	4.71E-06	2.25E-07	5.44E-06	1.20E-06	1.64E-06	2.60E-06	4.59E-07	3.11E-07	1.19E-05	6.15E-06	2.61E-06	3.07E-06	1.21E-06	6.15E-06	2.61E-06
1083	482129.67	3852341.07	1.51E-02	1.55E-02	1.46E-02	5.24E-06	1.58E-05	9.16E-06	9.38E-06	8.50E-06	3.88E-06	3.66E-06	1.75E-07	4.23E-06	9.33E-07	1.27E-06	2.02E-06	3.56E-07	2.41E-07	9.22E-06	4.78E-06	2.03E-06	2.38E-06	9.37E-07	4.78E-06	2.03E-06
1084	482179.67	3852341.07	1.23E-02	1.26E-02	1.18E-02	4.24E-06	1.28E-05	7.42E-06	7.60E-06	6.88E-06	3.14E-06	2.96E-06	1.42E-07	3.42E-06	7.55E-07	1.03E-06	1.64E-06	2.88E-07	1.95E-07	7.47E-06	3.87E-06	1.64E-06	1.93E-06	7.58E-07	3.87E-06	1.64E-06
1085	482259.06	3852400.14	1.16E-02	1.18E-02	1.12E-02	4.00E-06	1.21E-05	7.00E-06	7.17E-06	6.50E-06	2.96E-06	2.80E-06	1.34E-07	3.23E-06	7.12E-07	9.73E-07	1.54E-06	2.72E-07	1.84E-07	7.05E-06	3.65E-06	1.55E-06	1.82E-06	7.16E-07	3.65E-06	1.55E-06
1086	482309.06	3852400.14	9.55E-03	9.79E-03	9.23E-03	3.31E-06	9.99E-06	5.78E-06	5.92E-06	5.37E-06	2.45E-06	2.31E-06	1.10E-07	2.67E-06	5.89E-07	8.04E-07	1.28E-06	2.25E-07	1.52E-07	5.82E-06	3.02E-06	1.28E-06	1.51E-06	5.91E-07	3.02E-06	1.28E-06
1087	482209.06	3852450.14	1.73E-02	1.77E-02	1.67E-02	6.00E-06	1.81E-05	1.05E-05	1.07E-05	9.73E-06	4.44E-06	4.19E-06	2.00E-07	4.84E-06	1.07E-06	1.46E-06	2.31E-06	4.07E-07	2.76E-07	1.06E-05	5.47E-06	2.32E-06	2.73E-06	1.07E-06	5.47E-06	2.32E-06
1088	482259.06	3852450.14	1.38E-02	1.41E-02	1.33E-02	4.78E-06	1.44E-05	8.35E-06	8.56E-06	7.76E-06	3.54E-06	3.34E-06	1.60E-07	3.86E-06	8.51E-07	1.16E-06	1.84E-06	3.25E-07	2.20E-07	8.42E-06	4.36E-06	1.85E-06	2.18E-06	8.55E-07	4.36E-06	1.85E-06
1089	482309.06	3852450.14	1.13E-02	1.15E-02	1.09E-02	3.90E-06	1.18E-05	6.82E-06	6.99E-06	6.33E-06	2.89E-06	2.73E-06	1.30E-07	3.15E-06	6.95E-07	9.49E-07	1.51E-06	2.65E-07	1.80E-07	6.87E-06	3.56E-06	1.51E-06	1.78E-06	6.98E-07	3.56E-06	1.51E-06
1090	482209.06	3852500.14	2.28E-02	2.34E-02	2.20E-02	7.90E-06	2.38E-05	1.38E-05	1.41E-05	1.28E-05	5.85E-06	5.52E-06	2.64E-07	6.37E-06	1.41E-06	1.92E-06	3.05E-06	5.37E-07	3.64E-07	1.39E-05	7.20E-06	3.06E-06	3.59E-06	1.41E-06	7.20E-06	3.06E-06
1091	482259.06	3852500.14	1.72E-02	1.76E-02	1.66E-02	5.94E-06	1.79E-05	1.04E-05	1.06E-05	9.64E-06	4.40E-06	4.15E-06	1.98E-07	4.79E-06	1.06E-06	1.44E-06	2.29E-06	4.04E-07	2.74E-07	1.05E-05	5.42E-06	2.30E-06	2.70E-06	1.06E-06	5.42E-06	2.30E-06
1092	482309.06	3852500.14	1.36E-02	1.39E-02	1.31E-02	4.70E-06	1.42E-05	8.22E-06	8.42E-06	7.63E-06	3.48E-06	3.28E-06	1.57E-07	3.79E-06	8.37E-07	1.14E-06	1.81E-06	3.19E-07	2.17E-07	8.28E-06	4.29E-06	1.82E-06	2.14E-06	8.41E-07	4.29E-06	1.82E-06
1093	482283.91	3852513.62	1.62E-02	1.66E-02	1.56E-02	5.60E-06	1.69E-05	9.78E-06	1.00E-05	9.08E-06	4.15E-06	3.91E-06	1.87E-07	4.52E-06	9.96E-07	1.36E-06	2.16E-06	3.80E-07	2.58E-07	9.86E-06	5.10E-06	2.17E-06	2.55E-06	1.00E-06	5.10E-06	2.17E-06
1094	482333.91	3852513.62	1.30E-02	1.33E-02	1.25E-02	4.49E-06	1.36E-05	7.85E-06	8.04E-06	7.29E-06	3.33E-06	3.14E-06	1.50E-07	3.62E-06	7.99E-07	1.09E-06	1.73E-06	3.05E-07	2.07E-07	7.91E-06	4.10E-06	1.74E-06	2.04E-06	8.03E-07	4.10E-06	1.74E-06
1095	482283.91	3852563.62	2.10E-02	2.15E-02	2.03E-02	7.26E-06	2.19E-05	1.27E-05	1.30E-05	1.18E-05	5.37E-06	5.07E-06	2.42E-07	5.85E-06	1.29E-06	1.76E-06	2.80E-06	4.93E-07	3.34E-07	1.28E-05	6.62E-06	2.81E-06	3.30E-06	1.30E-06	6.62E-06	2.81E-06
1096	482333.91	3852563.62	1.61E-02	1.65E-02	1.55E-02	5.57E-06	1.68E-05	9.73E-06	9.97E-06	9.04E-06	4.12E-06	3.89E-06	1.86E-07	4.49E-06	9.91E-07	1.35E-06	2.15E-06	3.78E-07	2.57E-07	9.81E-06	5.08E-06	2.15E-06	2.53E-06	9.96E-07	5.08E-06	2.15E-06
1097	482383.91	3852563.62	1.30E-02	1.33E-02	1.26E-02	4.50E-06	1.36E-05	7.86E-06	8.05E-06	7.30E-06	3.33E-06	3.14E-06	1.50E-07	3.63E-06	8.01E-07	1.09E-06	1.73E-06	3.06E-07	2.07E-07	7.92E-06	4.10E-06	1.74E-06	2.05E-06	8.04E-07	4.10E-06	1.74E-06
1098	482283.91	3852613.62	2.91E-02	2.98E-02	2.81E-02	1.01E-05	3.04E-05	1.76E-05	1.80E-05	1.64E-05	7.46E-06	7.04E-06	3.36E-07	8.13E-06	1.79E-06	2.45E-06	3.89E-06	6.85E-07	4.64E-07	1.77E-05	9.19E-06	3.90E-06	4.59E-06	1.80E-06	9.19E-06	3.90E-06
1099	482333.91	3852613.62	2.08E-02	2.13E-02	2.01E-02	7.19E-06	2.17E-05	1.26E-05	1.29E-05	1.17E-05	5.32E-06	5.02E-06	2.40E-07	5.80E-06	1.28E-06	1.75E-06	2.77E-06	4.88E-07	3.31E-07	1.27E-05	6.55E-06	2.78E-06	3.27E-06	1.28E-06	6.55E-06	2.78E-06
1100	482383.91	3852613.62	1.60E-02	1.64E-02	1.55E-02	5.54E-06	1.67E-05	9.68E-06	9.91E-06	8.99E-06	4.10E-06	3.87E-06	1.85E-07	4.47E-06	9.86E-07	1.35E-06	2.14E-06	3.76E-07	2.55E-07	9.75E-06	5.05E-06	2.14E-06	2.52E-06	9.90E-07	5.05E-06	2.14E-06
1101	482602.38	3852600.87	7.26E-03	7.43E-03	7.01E-03	2.51E-06	7.59E-06	4.39E-06	4.50E-06	4.08E-06	1.86E-06	1.75E-06	8.39E-08	2.03E-06	4.47E-07	6.11E-07	9.69E-07	1.71E-07	1.16E-07	4.42E-06	2.29E-06	9.72E-07	1.14E-06	4.49E-07	2.29E-06	9.72E-07
1102	482652.38	3852600.87	6.48E-03	6.63E-03	6.26E-03	2.24E-06	6.77E-06	3.92E-06	4.01E-06	3.64E-06	1.66E-06	1.57E-06	7.49E-08	1.81E-06	3.99E-07	5.45E-07	8.65E-07	1.52E-07	1.03E-07	3.95E-06	2.04E-06	8.67E-07	1.02E-06	4.01E-07	2.04E-06	8.67E-07
1103	482702.38	3852600.87	5.66E-03	5.80E-03	5.47E-03	1.96E-06	5.92E-06	3.42E-06	3.51E-06	3.18E-06	1.45E-06	1.37E-06	6.54E-08	1.58E-06	3.49E-07	4.76E-07	7.55E-07	1.33E-07	9.03E-08	3.45E-06	1.79E-06	7.58E-07	8.92E-07	3.50E-07	1.79E-06	7.58E-07
1104	482552.38	3852650.87	9.56E-03	9.79E-03	9.24E-03	3.31E-06	9.99E-06	5.79E-06	5.93E-06	5.37E-06	2.45E-06	2.31E-06	1.11E-07	2.67E-06	5.89E-07	8.05E-07	1.28E-06	2.25E-07	1.53E-07	5.83E-06	3.02E-06	1.28E-06	1.51E-06	5.92E-07	3.02E-06	1.28E-06
1105	482602.38	3852650.87	8.24E-03	8.44E-03	7.96E-03	2.85E-06	8.62E-06	4.99E-06	5.11E-06	4.63E-06	2.11E-06	1.99E-06	9.53E-08	2.30E-06	5.08E-07	6.94E-07	1.10E-06	1.94E-07	1.31E-07	5.02E-06	2.60E-06	1.10E-06	1.30E-06	5.10E-07	2.60E-06	1.10E-06
1106	482652.38	3852650.87	7.28E-03	7.46E-03	7.04E-03	2.52E-06	7.61E-06	4.41E-06	4.51E-06	4.09E-06	1.87E-06	1.76E-06	8.42E-08	2.03E-06	4.49E-07	6.13E-07	9.72E-07	1.71E-07	1.16E-07	4.44E-06	2.30E-06	9.75E-07	1.15E-06	4.51E-07	2.30E-06	9.75E-07
1107	482702.38	3852650.87	6.52E-03	6.67E-03	6.30E-03	2.26E-06	6.81E-06	3.94E-06	4.04E-06	3.66E-06	1.67E-06	1.58E-06	7.53E-08	1.82E-06	4.01E-07	5.48E-07	8.70E-07	1.53E-07	1.04E-07	3.97E-06	2.06E-06	8.73E-07	1.03E-06	4.03E-07	2.06E-06	8.73E-07
1108	482552.38	3852700.87	1.12E-02	1.15E-02	1.09E-02	3.89E-06	1.18E-05	6.81E-06	6.97E-06	6.32E-06	2.88E-06	2.72E-06	1.30E-07	3.14E-06	6.93E-07	9.46E-07	1.50E-06	2.65E-07	1.79E-07	6.86E-06	3.55E-06	1.51E-06	1.77E-06	6.96E-07	3.55E-06	1.51E-06
1109	482602.38	3852700.87	9.62E-03	9.85E-03	9.29E-03	3.33E-06	1.01E-05	5.82E-06	5.96E-06	5.40E-06	2.47E-06	2.33E-06	1.11E-07	2.69E-06	5.93E-07	8.09E-07	1.28E-06	2.26E-07	1.53E-07	5.86E-06	3.04E-06	1.29E-06	1.52E-06	5.95E-07	3.04E-06	1.29E-06
1110	482652.38	3852700.87	8.50E-03	8.71E-03	8.21E-03	2.94E-06	8.88E-06	5.14E-06	5.27E-06	4.77E-06	2.18E-06	2.06E-06	9.82E-08	2.37E-06	5.24E-07	7.15E-07	1.13E-06	2.00E-07	1.36E-07	5.18E-06	2.68E-06	1.14E-06	1.34E-06	5.26E-07	2.68E-06	1.14E-06
1111	482702.38	3852700.87	7.41E-03	7.59E-03	7.16E-03	2.56E-06	7.74E-06	4.48E-06	4.59E-06	4.16E-06	1.90E-06	1.79E-06	8.56E-08	2.07E-06	4.56E-07	6.23E-07	9.89E-07	1.74E-07	1.18E-07	4.51E-06	2.34E-06	9.92E-07	1.17E-06	4.58E-07	2.34E-06	9.92E-07
1112	482452.38	3852750.87	2.26E-02	2.32E-02	2.18E-02	7.83E-06	2.36E-05	1.37E-05	1.40E-05	1.27E-05	5.80E-06	5.47E-06	2.61E-07	6.31E-06	1.39E-06	1.90E-06	3.02E-06	5.32E-07	3.61E-07	1.38E-05	7.14E-06	3.03E-06	3.56E-06	1.40E-06	7.14E-06	3.03E-06
1113	482521.29	3852749.74	1.54E-02	1.58E-02	1.49E-02	5.33E-06	1.61E-05	9.32E-06	9.55E-06	8.65E-06	3.95E-06	3.72E-06	1.78E-07	4.30E-06	9.49E-07	1.30E-06	2.06E-06	3.62E-07	2.46E-07	9.39E-06	4.86E-06	2.06E-06	2.43E-06	9.53E-07	4.86E-06	2.06E-06
1114	482571.29	3852749.74	1.25E-02	1.28E-02	1.21E-02	4.33E-06	1.31E-05	7.58E-06	7.76E-06	7.04E-06	3.21E-06	3.03E-06	1.45E-07	3.50E-06	7.72E-07	1.05E-06	1.67E-06	2.95E-07	2.00E-07	7.63E-06	3.95E-06	1.68E-06	1.97E-06	7.75E-07	3.95E-06	1.68E-06
1115	482521.29	3852799.74	1.98E-02	2.03E-02	1.91E-02	6.86E-06	2.07E-05	1.20E-05	1.23E-05	1.11E-05	5.08E-06	4.79E-06	2.29E-07	5.53E-06	1.22E-06	1.67E-06	2.65E-06	4.66E-07	3.16E-07	1.21E-05	6.26E-06	2.65E-06	3.12E-06	1.23E-06	6.26E-06	2.65E-06
1116	482571.29	3852799.74	1.53E-02	1.57E-02	1.48E-02	5.31E-06	1.60E-05	9.28E-06	9.51E-06	8.62E-06	3.93E-06	3.71E-06	1.77E-07	4.28E-06	9.45E-07	1.29E-06	2.05E-06	3.61E-07	2.45E-07	9.35E-06	4.84E-06	2.05E-06	2.42E-06	9.49E-07	4.84E-06	2.05E-06
1117	482621.29	3852799.74	1.24E-02	1.27E-02	1.20E-02	4.31E-06	1.30E-05	7.53E-06	7.71E-06	6.99E-06	3.19E-06	3.01E-06	1.44E-07	3.48E-06	7.67E-07	1.05E-06	1.66E-06	2.93E-07	1.99E-07	7.59E-06	3.93E-06	1.67E-06	1.96E-06	7.70E-07	3.93E-06	1.67E-06
1118	482571.29	3852849.74	1.96E-02	2.01E-02	1.89E-02	6.78E-06	2.05E-05	1.18E-05	1.21E-05	1.10E-05	5.02E-06	4.73E-06	2.26E-07	5.47E-06	1.21E-06	1.65E-06	2.61E-06	4.61E-07	3.12E-07	1.19E-05	6.18E-06	2.62E-06	3.08E-06	1.21E-06	6.18E-06	2.62E-06
1119	482621.29	3852849.74	1.51E-02	1.54E-02	1.46E-02	5.22E-06	1.58E-05	9.12E-06	9.34E-06	8.47E-06	3.86E-06	3.64E-06	1.74E-07	4.21E-06	9.29E-07	1.27E-06	2.01E-06	3.55E-07	2.40E-07	9.19E-06	4.76E-06	2.02E-06	2.37E-06	9.33E-07	4.76E-06	2.02E-06
1120	482577.42	3852901.55	2.58E-02	2.65E-02	2.50E-02	8.94E-06	2.70E-05	1.56E-05	1.60E-05	1.45E-05	6.62E-06	6.25E-06	2.99E-07	7.21E-06	1.59E-06	2.17E-06	3.45E-06	6.08E-07	4.12E-07	1.57E-05	8.15E-06	3.46E-06	4.07E-06	1.60E-06	8.15E-06	3.46E-06
1121	482627.42	3852901.55	1.86E-02	1.90E-02	1.79E-02	6.43E-06	1.94E-05	1.12E-05	1.15E-05	1.04E-05	4.76E-06	4.49E-06	2.15E-07	5.19E-06	1.14E-06	1.56E-06	2.48E-06	4.37E-07	2.96E-07	1.13E-05	5.86E-06	2.49E-06	2.93E-06	1.15E-06	5.86E-06	2.49E-06
1122	482629.96	3852955.85	2.53E-02	2.59E-02	2.44E-02	8.75E-06	2.64E-05	1.53E-05	1.57E-05	1.42E-05	6.48E-06	6.11E-06	2.92E-07	7.06E-06	1.56E-06	2.13E-06	3.37E-06	5.94E-07	4.03E-07	1.54E-05	7.98E-06	3.38E-06	3.98E-06	1.56E-06	7.98E-06	3.38E-06
1123	482679.96	3852955.85	1.81E-02	1.85E-02	1.74E-02	6.25E-06	1.89E-05	1.09E-05	1.12E-05	1.01E-05	4.63E-06	4.37E-06	2.09E-07	5.04E-06	1.11E-06	1.52E-06	2.41E-06	4.25E-07	2.88E-07	1.10E-05	5.70E-06	2.42E-06	2.85E-06	1.12E-06	5.70E-06	2.42E-06
1124	482781.63	3853034.48	1.33E-02	1.36E-02	1.29E-02	4.61E-06	1.39E-05	8.06E-06	8.25E-06	7.48E-06	3.41E-06	3.22E-06	1.54E-07	3.72E-06	8.20E-07	1.12E-06	1.78E-06	3.13E-07	2.12E-07	8.12E-06	4.20E-06	1.78E-06	2.10E-06	8.24E-07	4.20E-06	1.78E-06
1125	482831.63	3853034.48	1.07E-02	1.10E-02	1.04E-02	3.71E-06	1.12E-05	6.49E-06	6.64E-06	6.02E-06	2.75E-06	2.59E-06	1.24E-07	2.99E-06	6.60E-07	9.02E-07	1.43E-06	2.52E-07	1.71E-07	6.53E-06	3.38E-06	1.44E-06	1.69E-06	6.63E-07	3.38E-06	1.44E-06
1126	482881.63	3853034.48	8.89E-03	9.11E-03	8.59E-03	3.08E-06	9.29E-06	5.38E-06	5.51E-06	5.00E-06	2.28E-06	2.15E-06	1.03E-07	2.48E-06	5.48E-07	7.48E-07	1.19E-06	2.09E-07	1.42E-07	5.42E-06	2.81E-06	1.19E-06	1.40E-06	5.50E-07	2.81E-06	1.19E-06
1127	482781.63	3853084.48	1.51E-02	1.54E-02	1.45E-02	5.21E-06	1.57E-05	9.11E-06	9.33E-06	8.46E-06	3.86E-06	3.64E-06	1.74E-07	4.20E-06	9.28E-07	1.27E-06	2.01E-06	3.54E-07	2.40E-07	9.18E-06	4.75E-06	2.02E-06	2.37E-06	9.32E-07	4.75E-06	2.02E-06
1128	482831.63	3853084.48	1.18E-02	1.21E-02	1.14E-02	4.09E-06	1.23E-05	7.15E-06	7.32E-06	6.64E-06	3.03E-06	2.86E-06	1.37E-07	3.30E-06	7.28E-07	9.94E-07	1.58E-06	2.78E-07	1.88E-07	7.20E-06	3.73E-06	1.58E-06	1.86E-06	7.31E-07	3.73E-06	1.58E-06
1129	482881.63	3853084.48	9.73E-03	9.97E-03	9.40E-03	3.37E-06	1.02E-05	5.89E-06	6.03E-06	5.47E-06	2.50E-06	2.35E-06	1.13E-07	2.72E-06	6.00E-07	8.19E-07	1.30E-06	2.29E-07	1.55E-07	5.93E-06	3.07E-06	1.30E-06	1.53E-06	6.02E-07	3.07E-06	1.30E-06
1130	482781.63	3853134.48	1.76E-02	1.80E-02	1.70E-02	6.08E-06	1.84E-05	1.06E-05	1.09E-05	9.86E-06	4.50E-06	4.25E-06	2.03E-07	4.90E-06	1.08E-06	1.48E-06	2.34E-06	4.13E-07	2.80E-07	1.07E-05	5.54E-06	2.35E-06	2.77E-06	1.09E-06	5.54E-06	2.35E-06
1131	482831.63	3853134.48	1.33E-02	1.36E-02	1.28E-02	4.60E-06	1.39E-05	8.04E-06	8.23E-06	7.46E-06	3.40E-06	3.21E-06	1.54E-07	3.71E-06	8.18E-07	1.12E-06	1.77E-06	3.12E-07	2.12E-07	8.09E-06	4.19E-06	1.78E-06	2.09E-06	8.22E-07	4.19E-06	1.78E-06
1132	482881.63	3853134.48	1.07E-02	1.10E-02	1.04E-02	3.71E-06	1.12E-05	6.49E-06	6.65E-06	6.03E-06	2.75E-06	2.59E-06	1.24E-07	3.00E-06	6.61E-07	9.03E-07	1.43E-06	2.52E-07	1.71E-07	6.54E-06	3.39E-06	1.44E-06	1.69E-06	6.64E-07	3.39E-06	1.44E-06
1133	482831.63	3853184.48	1.52E-02	1.56E-02	1.47E-02	5.28E-06	1.59E-05	9.22E-06	9.45E-06	8.56E-06	3.91E-06	3.69E-06	1.76E-07	4.26E-06	9.39E-07	1.28E-06	2.03E-06	3.59E-07	2.43E-07	9.29E-06	4.81E-06	2.04E-06	2.40E-06	9.43E-07	4.81E-06	2.04E-06
1134	482881.63	3853184.48	1.19E-02	1.22E-02	1.15E-02	4.13E-06	1.25E-05	7.22E-06	7.39E-06	6.70E-06	3.06E-06	2.88E-06	1.38E-07	3.33E-06	7.35E-07	1.00E-06	1.59E-06	2.81E-07	1.90E-07	7.27E-06	3.76E-06	1.60E-06	1.88E-06	7.38E-07	3.76E-06	1.60E-06
1135	484154.84	3854250.98	1.85E-03	1.89E-03	1.78E-03	6.39E-07	1.93E-06	1.12E-06	1.14E-06	1.04E-06	4.73E-07	4.46E-07	2.13E-08	5.16E-07	1.14E-07	1.55E-07	2.46E-07	4.34E-08	2.94E-08	1.13E-06	5.83E-07	2.47E-07	2.91E-07	1.14E-07	5.83E-07	2.47E-07
1136	484204.84	3854250.98	1.79E-03	1.83E-03	1.73E-03	6.19E-07	1.87E-06	1.08E-06	1.11E-06	1.00E-06	4.59E-07	4.33E-07	2.07E-08	4.99E-07	1.10E-07	1.51E-07	2.39E-07	4.21E-08	2.85E-08	1.09E-06	5.65E-07	2.40E-07	2.82E-07	1.11E-07	5.65E-07	2.40E-07
1137	484154.84	3854300.98	1.83E-03	1.87E-03	1.77E-03	6.33E-07	1.91E-06	1.11E-06	1.13E-06	1.03E-06	4.69E-07	4.42E-07	2.11E-08	5.11E-07	1.13E-07	1.54E-07	2.44E-07	4.30E-08	2.92E-08	1.11E-06	5.77E-07	2.45E-07	2.88E-07	1.13E-07	5.77E-07	2.45E-07
1138	484204.84	3854300.98	1.78E-03	1.83E-03	1.72E-03	6.17E-07	1.86E-06	1.08E-06	1.10E-06	1.00E-06	4.57E-07	4.31E-07	2.06E-08	4.98E-07	1.10E-07	1.50E-07	2.38E-07	4.19E-08	2.84E-08	1.09E-06	5.63E-07	2.39E-07	2.81E-07	1.10E-07	5.63E-07	2.39E-07
1139	484074.19	3854519.8	2.02E-03	2.07E-03	1.95E-03	6.99E-07	2.11E-06	1.22E-06	1.25E-06	1.13E-06	5.18E-07	4.88E-07	2.33E-08	5.64E-07	1.24E-07	1.70E-07	2.69E-07	4.75E-08	3.22E-08	1.23E-06	6.37E-07	2.70E-07	3.18E-07	1.25E-07	6.37E-07	2.70E-07
1140	484124.19	3854519.8	1.94E-03	1.99E-03	1.87E-03	6.71E-07	2.03E-06	1.17E-06	1.20E-06	1.09E-06	4.97E-07	4.69E-07	2.24E-08	5.41E-07	1.19E-07	1.63E-07	2.59E-07	4.56E-08	3.09E-08	1.18E-06	6.12E-07	2.60E-07	3.06E-07	1.20E-07	6.12E-07	2.60E-07
1141	484074.19	3854569.8	2.07E-03	2.12E-03	2.00E-03	7.16E-07	2.16E-06	1.25E-06	1.28E-06	1.16E-06	5.30E-07	5.00E-07	2.39E-08	5.78E-07	1.27E-07	1.74E-07	2.76E-07	4.87E-08	3.30E-08	1.26E-06	6.53E-07	2.77E-07	3.26E-07	1.28E-07	6.53E-07	2.77E-07
1142	484124.19	3854569.8	1.97E-03	2.02E-03	1.91E-03	6.84E-07	2.06E-06	1.19E-06	1.22E-06	1.11E-06	5.06E-07	4.77E-07	2.28E-08	5.51E-07	1.22E-07	1.66E-07	2.64E-07	4.65E-08	3.15E-08	1.20E-06	6.23E-07	2.64E-07	3.11E-07	1.22E-07	6.23E-07	2.64E-07
1143	485205.11	3855188.89	1.86E-03	1.90E-03	1.80E-03	6.44E-07	1.94E-06	1.13E-06	1.15E-06	1.04E-06	4.77E-07	4.50E-07	2.15E-08	5.19E-07	1.15E-07	1.56E-07	2.48E-07	4.37E-08	2.97E-08	1.13E-06	5.87E-07	2.49E-07	2.93E-07	1.15E-07	5.87E-07	2.49E-07
1144	485255.11	3855188.89	1.79E-03	1.84E-03	1.73E-03	6.21E-07	1.88E-06	1.09E-06	1.11E-06	1.01E-06	4.60E-07	4.34E-07	2.07E-08	5.01E-07	1.11E-07	1.51E-07	2.40E-07	4.22E-08	2.86E-08	1.09E-06	5.66E-07	2.40E-07	2.83E-07	1.11E-07	5.66E-07	2.40E-07
1145	485205.11	3855238.89	1.90E-03	1.95E-03	1.84E-03	6.58E-07	1.99E-06	1.15E-06	1.18E-06	1.07E-06	4.87E-07	4.60E-07	2.20E-08	5.31E-07	1.17E-07	1.60E-07	2.54E-07	4.47E-08	3.03E-08	1.16E-06	6.00E-07	2.55E-07	2.99E-07	1.18E-07	6.00E-07	2.55E-07
1146	485255.11	3855238.89	1.86E-03	1.90E-03	1.79E-03	6.42E-07	1.94E-06	1.12E-06	1.15E-06	1.04E-06	4.76E-07	4.49E-07	2.14E-08	5.18E-07	1.14E-07	1.56E-07	2.48E-07	4.36E-08	2.96E-08	1.13E-06	5.86E-07	2.48E-07	2.92E-07	1.15E-07	5.86E-07	2.48E-07
1147	485205.11	3855288.89	2.01E-03	2.06E-03	1.94E-03	6.96E-07	2.10E-06	1.22E-06	1.25E-06	1.13E-06	5.16E-07	4.86E-07	2.33E-08	5.62E-07	1.24E-07	1.69E-07	2.69E-07	4.73E-08	3.21E-08	1.23E-06	6.35E-07	2.69E-07	3.17E-07	1.24E-07	6.35E-07	2.69E-07
1148	485255.11	3855288.89	1.95E-03	2.00E-03	1.88E-03	6.75E-07	2.04E-06	1.18E-06	1.21E-06	1.10E-06	5.00E-07	4.72E-07	2.26E-08	5.45E-07	1.20E-07	1.64E-07	2.60E-07	4.59E-08	3.11E-08	1.19E-06	6.16E-07	2.61E-07	3.07E-07	1.21E-07	6.16E-07	2.61E-07

1149	485255.11	3855338.89	2.06E-03	2.11E-03	1.99E-03	7.12E-07	2.15E-06	1.24E-06	1.28E-06	1.16E-06	5.27E-07	4.97E-07	2.38E-08	5.74E-07	1.27E-07	1.73E-07	2.75E-07	4.84E-08	3.28E-08	1.25E-06	6.49E-07	2.76E-07	3.24E-07	1.27E-07	6.49E-07	2.76E-07
1150	485305.11	3855338.89	1.99E-03	2.04E-03	1.92E-03	6.88E-07	2.08E-06	1.20E-06	1.23E-06	1.12E-06	5.10E-07	4.81E-07	2.30E-08	5.55E-07	1.22E-07	1.67E-07	2.65E-07	4.68E-08	3.17E-08	1.21E-06	6.27E-07	2.66E-07	3.13E-07	1.23E-07	6.27E-07	2.66E-07
1151	485852.5	3855635.28	1.89E-03	1.94E-03	1.83E-03	6.55E-07	1.98E-06	1.15E-06	1.17E-06	1.06E-06	4.85E-07	4.58E-07	2.19E-08	5.29E-07	1.17E-07	1.59E-07	2.53E-07	4.45E-08	3.02E-08	1.15E-06	5.98E-07	2.54E-07	2.98E-07	1.17E-07	5.98E-07	2.54E-07
1152	485902.5	3855635.28	1.83E-03	1.88E-03	1.77E-03	6.35E-07	1.92E-06	1.11E-06	1.14E-06	1.03E-06	4.70E-07	4.44E-07	2.12E-08	5.12E-07	1.13E-07	1.54E-07	2.45E-07	4.32E-08	2.93E-08	1.12E-06	5.79E-07	2.46E-07	2.89E-07	1.14E-07	5.79E-07	2.46E-07
1153	485852.5	3855685.28	1.96E-03	2.01E-03	1.89E-03	6.78E-07	2.05E-06	1.19E-06	1.21E-06	1.10E-06	5.02E-07	4.74E-07	2.26E-08	5.47E-07	1.21E-07	1.65E-07	2.61E-07	4.61E-08	3.12E-08	1.19E-06	6.18E-07	2.62E-07	3.09E-07	1.21E-07	6.18E-07	2.62E-07
1154	485902.5	3855685.28	1.89E-03	1.94E-03	1.83E-03	6.55E-07	1.98E-06	1.15E-06	1.17E-06	1.06E-06	4.85E-07	4.58E-07	2.19E-08	5.29E-07	1.17E-07	1.59E-07	2.53E-07	4.45E-08	3.02E-08	1.15E-06	5.98E-07	2.54E-07	2.98E-07	1.17E-07	5.98E-07	2.54E-07
1155	485852.5	3855735.28	2.03E-03	2.08E-03	1.96E-03	7.01E-07	2.12E-06	1.23E-06	1.26E-06	1.14E-06	5.19E-07	4.90E-07	2.34E-08	5.66E-07	1.25E-07	1.71E-07	2.70E-07	4.77E-08	3.23E-08	1.24E-06	6.40E-07	2.71E-07	3.19E-07	1.25E-07	6.40E-07	2.71E-07
1156	485902.5	3855735.28	1.97E-03	2.01E-03	1.90E-03	6.81E-07	2.06E-06	1.19E-06	1.22E-06	1.11E-06	5.04E-07	4.76E-07	2.27E-08	5.49E-07	1.21E-07	1.66E-07	2.63E-07	4.63E-08	3.14E-08	1.20E-06	6.21E-07	2.63E-07	3.10E-07	1.22E-07	6.21E-07	2.63E-07
1157	485852.5	3855785.28	2.11E-03	2.16E-03	2.04E-03	7.31E-07	2.21E-06	1.28E-06	1.31E-06	1.19E-06	5.41E-07	5.10E-07	2.44E-08	5.89E-07	1.30E-07	1.78E-07	2.82E-07	4.96E-08	3.37E-08	1.29E-06	6.66E-07	2.83E-07	3.32E-07	1.31E-07	6.66E-07	2.83E-07
1158	485902.5	3855785.28	2.03E-03	2.08E-03	1.96E-03	7.03E-07	2.12E-06	1.23E-06	1.26E-06	1.14E-06	5.21E-07	4.91E-07	2.35E-08	5.67E-07	1.25E-07	1.71E-07	2.71E-07	4.78E-08	3.24E-08	1.24E-06	6.41E-07	2.72E-07	3.20E-07	1.26E-07	6.41E-07	2.72E-07
1159	486809.46	3856465.28	2.01E-03	2.06E-03	1.94E-03	6.96E-07	2.10E-06	1.22E-06	1.25E-06	1.13E-06	5.16E-07	4.86E-07	2.33E-08	5.62E-07	1.24E-07	1.69E-07	2.69E-07	4.73E-08	3.21E-08	1.23E-06	6.35E-07	2.69E-07	3.17E-07	1.24E-07	6.35E-07	2.69E-07
1160	486859.46	3856465.28	1.98E-03	2.03E-03	1.91E-03	6.85E-07	2.07E-06	1.20E-06	1.23E-06	1.11E-06	5.07E-07	4.79E-07	2.29E-08	5.53E-07	1.22E-07	1.67E-07	2.64E-07	4.66E-08	3.16E-08	1.21E-06	6.25E-07	2.65E-07	3.12E-07	1.22E-07	6.25E-07	2.65E-07
1161	486909.46	3856465.28	1.95E-03	1.99E-03	1.88E-03	6.73E-07	2.03E-06	1.18E-06	1.21E-06	1.09E-06	4.99E-07	4.70E-07	2.25E-08	5.43E-07	1.20E-07	1.64E-07	2.60E-07	4.58E-08	3.10E-08	1.19E-06	6.14E-07	2.60E-07	3.06E-07	1.20E-07	6.14E-07	2.60E-07
1162	486809.46	3856515.28	2.08E-03	2.13E-03	2.01E-03	7.19E-07	2.17E-06	1.26E-06	1.29E-06	1.17E-06	5.32E-07	5.02E-07	2.40E-08	5.80E-07	1.28E-07	1.75E-07	2.77E-07	4.88E-08	3.31E-08	1.27E-06	6.55E-07	2.78E-07	3.27E-07	1.29E-07	6.55E-07	2.78E-07
1163	486859.46	3856515.28	2.05E-03	2.10E-03	1.98E-03	7.09E-07	2.14E-06	1.24E-06	1.27E-06	1.15E-06	5.25E-07	4.95E-07	2.37E-08	5.72E-07	1.26E-07	1.72E-07	2.73E-07	4.82E-08	3.26E-08	1.25E-06	6.46E-07	2.74E-07	3.22E-07	1.27E-07	6.46E-07	2.74E-07
1164	486909.46	3856515.28	2.01E-03	2.06E-03	1.94E-03	6.97E-07	2.10E-06	1.22E-06	1.25E-06	1.13E-06	5.16E-07	4.87E-07	2.33E-08	5.62E-07	1.24E-07	1.69E-07	2.69E-07	4.74E-08	3.21E-08	1.23E-06	6.35E-07	2.70E-07	3.17E-07	1.25E-07	6.35E-07	2.70E-07
1165	486980.94	3856357.95	1.79E-03	1.83E-03	1.73E-03	6.19E-07	1.87E-06	1.08E-06	1.11E-06	1.00E-06	4.58E-07	4.32E-07	2.07E-08	4.99E-07	1.10E-07	1.50E-07	2.39E-07	4.20E-08	2.85E-08	1.09E-06	5.64E-07	2.39E-07	2.82E-07	1.11E-07	5.64E-07	2.39E-07
1166	487030.94	3856357.95	1.76E-03	1.80E-03	1.70E-03	6.10E-07	1.84E-06	1.07E-06	1.09E-06	9.90E-07	4.52E-07	4.26E-07	2.04E-08	4.92E-07	1.09E-07	1.48E-07	2.35E-07	4.15E-08	2.81E-08	1.07E-06	5.56E-07	2.36E-07	2.78E-07	1.09E-07	5.56E-07	2.36E-07
1167	486980.94	3856407.95	1.84E-03	1.89E-03	1.78E-03	6.38E-07	1.93E-06	1.11E-06	1.14E-06	1.03E-06	4.72E-07	4.45E-07	2.13E-08	5.14E-07	1.13E-07	1.55E-07	2.46E-07	4.33E-08	2.94E-08	1.12E-06	5.81E-07	2.47E-07	2.90E-07	1.14E-07	5.81E-07	2.47E-07
1168	487030.94	3856407.95	1.81E-03	1.86E-03	1.75E-03	6.28E-07	1.90E-06	1.10E-06	1.12E-06	1.02E-06	4.65E-07	4.39E-07	2.10E-08	5.06E-07	1.12E-07	1.53E-07	2.42E-07	4.27E-08	2.89E-08	1.11E-06	5.72E-07	2.43E-07	2.86E-07	1.12E-07	5.72E-07	2.43E-07
1169	487447.18	3856437.45	1.66E-03	1.70E-03	1.60E-03	5.75E-07	1.74E-06	1.00E-06	1.03E-06	9.33E-07	4.26E-07	4.01E-07	1.92E-08	4.64E-07	1.02E-07	1.40E-07	2.22E-07	3.91E-08	2.65E-08	1.01E-06	5.24E-07	2.22E-07	2.62E-07	1.03E-07	5.24E-07	2.22E-07
1170	487497.18	3856437.45	1.64E-03	1.68E-03	1.59E-03	5.69E-07	1.72E-06	9.94E-07	1.02E-06	9.23E-07	4.21E-07	3.97E-07	1.90E-08	4.59E-07	1.01E-07	1.38E-07	2.19E-07	3.86E-08	2.62E-08	1.00E-06	5.18E-07	2.20E-07	2.59E-07	1.02E-07	5.18E-07	2.20E-07
1171	487547.18	3856437.45	1.63E-03	1.67E-03	1.57E-03	5.64E-07	1.70E-06	9.85E-07	1.01E-06	9.15E-07	4.17E-07	3.94E-07	1.88E-08	4.55E-07	1.00E-07	1.37E-07	2.17E-07	3.83E-08	2.60E-08	9.92E-07	5.14E-07	2.18E-07	2.56E-07	1.01E-07	5.14E-07	2.18E-07
1172	487447.18	3856487.45	1.70E-03	1.74E-03	1.65E-03	5.90E-07	1.78E-06	1.03E-06	1.06E-06	9.57E-07	4.37E-07	4.12E-07	1.97E-08	4.76E-07	1.05E-07	1.43E-07	2.27E-07	4.01E-08	2.72E-08	1.04E-06	5.38E-07	2.28E-07	2.68E-07	1.05E-07	5.38E-07	2.28E-07
1173	487497.18	3856487.45	1.68E-03	1.72E-03	1.63E-03	5.83E-07	1.76E-06	1.02E-06	1.04E-06	9.46E-07	4.32E-07	4.07E-07	1.95E-08	4.70E-07	1.04E-07	1.42E-07	2.25E-07	3.96E-08	2.69E-08	1.03E-06	5.31E-07	2.26E-07	2.65E-07	1.04E-07	5.31E-07	2.26E-07
1174	487547.18	3856487.45	1.67E-03	1.71E-03	1.61E-03	5.77E-07	1.74E-06	1.01E-06	1.03E-06	9.37E-07	4.28E-07	4.03E-07	1.93E-08	4.66E-07	1.03E-07	1.40E-07	2.23E-07	3.92E-08	2.66E-08	1.02E-06	5.26E-07	2.23E-07	2.63E-07	1.03E-07	5.26E-07	2.23E-07
1175	487447.18	3856537.45	1.75E-03	1.79E-03	1.69E-03	6.05E-07	1.83E-06	1.06E-06	1.08E-06	9.83E-07	4.48E-07	4.23E-07	2.02E-08	4.88E-07	1.08E-07	1.47E-07	2.33E-07	4.11E-08	2.79E-08	1.07E-06	5.52E-07	2.34E-07	2.76E-07	1.08E-07	5.52E-07	2.34E-07
1176	487497.18	3856537.45	1.73E-03	1.77E-03	1.67E-03	5.98E-07	1.80E-06	1.04E-06	1.07E-06	9.70E-07	4.43E-07	4.18E-07	2.00E-08	4.82E-07	1.06E-07	1.45E-07	2.30E-07	4.06E-08	2.75E-08	1.05E-06	5.45E-07	2.31E-07	2.72E-07	1.07E-07	5.45E-07	2.31E-07
1177	487547.18	3856537.45	1.71E-03	1.75E-03	1.65E-03	5.92E-07	1.79E-06	1.03E-06	1.06E-06	9.61E-07	4.38E-07	4.14E-07	1.98E-08	4.78E-07	1.05E-07	1.44E-07	2.28E-07	4.02E-08	2.73E-08	1.04E-06	5.40E-07	2.29E-07	2.69E-07	1.06E-07	5.40E-07	2.29E-07
1178	489285.89	3858826.54	7.86E-03	8.05E-03	7.59E-03	2.72E-06	8.21E-06	4.75E-06	4.87E-06	4.41E-06	2.01E-06	1.90E-06	9.08E-08	2.19E-06	4.84E-07	6.61E-07	1.05E-06	1.85E-07	1.25E-07	4.79E-06	2.48E-06	1.05E-06	1.24E-06	4.86E-07	2.48E-06	1.05E-06
1179	489335.89	3858826.54	7.32E-03	7.50E-03	7.07E-03	2.53E-06	7.65E-06	4.43E-06	4.54E-06	4.11E-06	1.88E-06	1.77E-06	8.46E-08	2.04E-06	4.51E-07	6.16E-07	9.77E-07	1.72E-07	1.17E-07	4.46E-06	2.31E-06	9.80E-07	1.15E-06	4.53E-07	2.31E-06	9.80E-07
1180	489385.89	3858826.54	6.85E-03	7.01E-03	6.61E-03	2.37E-06	7.16E-06	4.14E-06	4.24E-06	3.85E-06	1.76E-06	1.66E-06	7.91E-08	1.91E-06	4.22E-07	5.76E-07	9.14E-07	1.61E-07	1.09E-07	4.17E-06	2.16E-06	9.17E-07	1.08E-06	4.24E-07	2.16E-06	9.17E-07
1181	489435.89	3858826.54	6.44E-03	6.59E-03	6.22E-03	2.23E-06	6.73E-06	3.90E-06	3.99E-06	3.62E-06	1.65E-06	1.56E-06	7.44E-08	1.80E-06	3.97E-07	5.42E-07	8.59E-07	1.51E-07	1.03E-07	3.92E-06	2.03E-06	8.62E-07	1.01E-06	3.98E-07	2.03E-06	8.62E-07
1182	489485.89	3858826.54	6.08E-03	6.23E-03	5.87E-03	2.10E-06	6.36E-06	3.68E-06	3.77E-06	3.42E-06	1.56E-06	1.47E-06	7.03E-08	1.70E-06	3.75E-07	5.12E-07	8.12E-07	1.43E-07	9.70E-08	3.71E-06	1.92E-06	8.14E-07	9.58E-07	3.76E-07	1.92E-06	8.14E-07
1183	489535.89	3858826.54	5.76E-03	5.90E-03	5.57E-03	2.00E-06	6.02E-06	3.49E-06	3.57E-06	3.24E-06	1.48E-06	1.39E-06	6.66E-08	1.61E-06	3.55E-07	4.85E-07	7.69E-07	1.36E-07	9.19E-08	3.51E-06	1.82E-06	7.72E-07	9.08E-07	3.57E-07	1.82E-06	7.72E-07
1184	489585.89	3858826.54	5.48E-03	5.61E-03	5.29E-03	1.90E-06	5.73E-06	3.32E-06	3.40E-06	3.08E-06	1.40E-06	1.32E-06	6.33E-08	1.53E-06	3.38E-07	4.61E-07	7.31E-07	1.29E-07	8.74E-08	3.34E-06	1.73E-06	7.34E-07	8.63E-07	3.39E-07	1.73E-06	7.34E-07
1185	489635.89	3858826.54	5.23E-03	5.35E-03	5.05E-03	1.81E-06	5.46E-06	3.16E-06	3.24E-06	2.94E-06	1.34E-06	1.26E-06	6.04E-08	1.46E-06	3.22E-07	4.40E-07	6.98E-07	1.23E-07	8.33E-08	3.19E-06	1.65E-06	7.00E-07	8.23E-07	3.23E-07	1.65E-06	7.00E-07
1186	489685.89	3858826.54	4.99E-03	5.12E-03	4.83E-03	1.73E-06	5.22E-06	3.02E-06	3.10E-06	2.81E-06	1.28E-06	1.21E-06	5.77E-08	1.39E-06	3.08E-07	4.20E-07	6.67E-07	1.17E-07	7.97E-08	3.04E-06	1.58E-06	6.69E-07	7.87E-07	3.09E-07	1.58E-06	6.69E-07
1187	489735.89	3858826.54	4.78E-03	4.90E-03	4.62E-03	1.66E-06	5.00E-06	2.89E-06	2.96E-06	2.69E-06	1.23E-06	1.16E-06	5.53E-08	1.34E-06	2.95E-07	4.02E-07	6.38E-07	1.12E-07	7.63E-08	2.91E-06	1.51E-06	6.40E-07	7.53E-07	2.96E-07	1.51E-06	6.40E-07
1188	489785.89	3858826.54	4.59E-03	4.70E-03	4.44E-03	1.59E-06	4.80E-06	2.78E-06	2.85E-06	2.58E-06	1.18E-06	1.11E-06	5.31E-08	1.28E-06	2.83E-07	3.86E-07	6.13E-07	1.08E-07	7.33E-08	2.80E-06	1.45E-06	6.15E-07	7.24E-07	2.84E-07	1.45E-06	6.15E-07
1189	489835.89	3858826.54	4.41E-03	4.52E-03	4.26E-03	1.53E-06	4.61E-06	2.67E-06	2.73E-06	2.48E-06	1.13E-06	1.07E-06	5.10E-08	1.23E-06	2.72E-07	3.71E-07	5.89E-07	1.04E-07	7.04E-08	2.69E-06	1.39E-06	5.91E-07	6.95E-07	2.73E-07	1.39E-06	5.91E-07
1190	489885.89	3858826.54	4.25E-03	4.35E-03	4.11E-03	1.47E-06	4.44E-06	2.57E-06	2.63E-06	2.39E-06	1.09E-06	1.03E-06	4.91E-08	1.19E-06	2.62E-07	3.58E-07	5.67E-07	1.00E-07	6.78E-08	2.59E-06	1.34E-06	5.69E-07	6.70E-07	2.63E-07	1.34E-06	5.69E-07
1191	489935.89	3858826.54	4.10E-03	4.20E-03	3.96E-03	1.42E-06	4.28E-06	2.48E-06	2.54E-06	2.30E-06	1.05E-06	9.91E-07	4.74E-08	1.14E-06	2.53E-07	3.45E-07	5.47E-07	9.64E-08	6.54E-08	2.50E-06	1.29E-06	5.49E-07	6.46E-07	2.54E-07	1.29E-06	5.49E-07
1192	489985.89	3858826.54	3.96E-03	4.05E-03	3.82E-03	1.37E-06	4.13E-06	2.39E-06	2.45E-06	2.22E-06	1.01E-06	9.56E-07	4.57E-08	1.10E-06	2.44E-07	3.33E-07	5.28E-07	9.30E-08	6.31E-08	2.41E-06	1.25E-06	5.30E-07	6.23E-07	2.45E-07	1.25E-06	5.30E-07
1193	490035.89	3858826.54	3.81E-03	3.90E-03	3.68E-03	1.32E-06	3.98E-06	2.31E-06	2.36E-06	2.14E-06	9.77E-07	9.22E-07	4.41E-08	1.06E-06	2.35E-07	3.21E-07	5.09E-07	8.97E-08	6.08E-08	2.32E-06	1.20E-06	5.10E-07	6.01E-07	2.36E-07	1.20E-06	5.10E-07
1194	489285.89	3858876.54	9.09E-03	9.31E-03	8.78E-03	3.15E-06	9.50E-06	5.50E-06	5.63E-06	5.11E-06	2.33E-06	2.20E-06	1.05E-07	2.54E-06	5.60E-07	7.65E-07	1.21E-06	2.14E-07	1.45E-07	5.54E-06	2.87E-06	1.22E-06	1.43E-06	5.62E-07	2.87E-06	1.22E-06
1195	489335.89	3858876.54	8.37E-03	8.57E-03	8.08E-03	2.90E-06	8.74E-06	5.06E-06	5.19E-06	4.70E-06	2.14E-06	2.02E-06	9.67E-08	2.34E-06	5.16E-07	7.04E-07	1.12E-06	1.97E-07	1.33E-07	5.10E-06	2.64E-06	1.12E-06	1.32E-06	5.18E-07	2.64E-06	1.12E-06
1196	489385.89	3858876.54	7.76E-03	7.95E-03	7.49E-03	2.69E-06	8.11E-06	4.69E-06	4.81E-06	4.36E-06	1.99E-06	1.88E-06	8.97E-08	2.17E-06	4.78E-07	6.53E-07	1.04E-06	1.82E-07	1.24E-07	4.73E-06	2.45E-06	1.04E-06	1.22E-06	4.80E-07	2.45E-06	1.04E-06
1197	489435.89	3858876.54	7.23E-03	7.41E-03	6.99E-03	2.50E-06	7.56E-06	4.38E-06	4.48E-06	4.06E-06	1.85E-06	1.75E-06	8.36E-08	2.02E-06	4.46E-07	6.08E-07	9.65E-07	1.70E-07	1.15E-07	4.41E-06	2.28E-06	9.68E-07	1.14E-06	4.48E-07	2.28E-06	9.68E-07
1198	489485.89	3858876.54	6.78E-03	6.94E-03	6.55E-03	2.35E-06	7.08E-06	4.10E-06	4.20E-06	3.81E-06	1.74E-06	1.64E-06	7.83E-08	1.89E-06	4.17E-07	5.70E-07	9.04E-07	1.59E-07	1.08E-07	4.13E-06	2.14E-06	9.07E-07	1.07E-06	4.19E-07	2.14E-06	9.07E-07
1199	489535.89	3858876.54	6.38E-03	6.53E-03	6.16E-03	2.21E-06	6.67E-06	3.86E-06	3.95E-06	3.58E-06	1.63E-06	1.54E-06	7.37E-08	1.78E-06	3.93E-07	5.37E-07	8.51E-07	1.50E-07	1.02E-07	3.89E-06	2.01E-06	8.54E-07	1.00E-06	3.95E-07	2.01E-06	8.54E-07
1200	489585.89	3858876.54	6.02E-03	6.17E-03	5.82E-03	2.08E-06	6.29E-06	3.64E-06	3.73E-06	3.38E-06	1.54E-06	1.46E-06	6.96E-08	1.68E-06	3.71E-07	5.07E-07	8.04E-07	1.42E-07	9.60E-08	3.67E-06	1.90E-06	8.06E-07	9.48E-07	3.73E-07	1.90E-06	8.06E-07
1201	489635.89	3858876.54	5.71E-03	5.85E-03	5.52E-03	1.98E-06	5.97E-06	3.46E-06	3.54E-06	3.21E-06	1.46E-06	1.38E-06	6.60E-08	1.59E-06	3.52E-07	4.81E-07	7.62E-07	1.34E-07	9.11E-08	3.48E-06	1.80E-06	7.65E-07	9.00E-07	3.53E-07	1.80E-06	7.65E-07
1202	489685.89	3858876.54	5.43E-03	5.57E-03	5.25E-03	1.88E-06	5.68E-06	3.29E-06	3.37E-06	3.05E-06	1.39E-06	1.31E-06	6.28E-08	1.52E-06	3.35E-07	4.57E-07	7.25E-07	1.28E-07	8.67E-08	3.31E-06	1.72E-06	7.28E-07	8.56E-07	3.36E-07	1.72E-06	7.28E-07
1203	489735.89	3858876.54	5.18E-03	5.31E-03	5.00E-03	1.79E-06	5.41E-06	3.13E-06	3.21E-06	2.91E-06	1.33E-06	1.25E-06	5.99E-08	1.45E-06	3.19E-07	4.36E-07	6.91E-07	1.22E-07	8.26E-08	3.16E-06	1.63E-06	6.94E-07	8.16E-07	3.21E-07	1.63E-06	6.94E-07
1204	489785.89	3858876.54	4.96E-03	5.08E-03	4.79E-03	1.72E-06	5.18E-06	3.00E-06	3.07E-06	2.78E-06	1.27E-06	1.20E-06	5.73E-08	1.38E-06	3.05E-07	4.17E-07	6.62E-07	1.17E-07	7.90E-08	3.02E-06	1.56E-06	6.64E-07	7.81E-07	3.07E-07	1.56E-06	6.64E-07
1205	489835.89	3858876.54	4.75E-03	4.86E-03	4.59E-03	1.64E-06	4.96E-06	2.87E-06	2.94E-06	2.67E-06	1.22E-06	1.15E-06	5.49E-08	1.33E-06	2.93E-07	4.00E-07	6.34E-07	1.12E-07	7.57E-08	2.89E-06	1.50E-06	6.36E-07	7.48E-07	2.94E-07	1.50E-06	6.36E-07
1206	489885.89	3858876.54	4.56E-03	4.68E-03	4.41E-03	1.58E-06	4.77E-06	2.76E-06	2.83E-06	2.56E-06	1.17E-06	1.10E-06	5.28E-08	1.27E-06	2.81E-07	3.84E-07	6.09E-07	1.07E-07	7.28E-08	2.78E-06	1.44E-06	6.11E-07	7.19E-07	2.83E-07	1.44E-06	6.11E-07
1207	489935.89	3858876.54	4.39E-03	4.49E-03	4.24E-03	1.52E-06	4.59E-06	2.65E-06	2.72E-06	2.46E-06	1.12E-06	1.06E-06	5.07E-08	1.23E-06	2.70E-07	3.69E-07	5.86E-07	1.03E-07	7.00E-08	2.67E-06	1.38E-06	5.88E-07	6.91E-07	2.72E-07	1.38E-06	5.88E-07
1208	489985.89	3858876.54	4.21E-03	4.32E-03	4.07E-03	1.46E-06	4.40E-06	2.55E-06	2.61E-06	2.37E-06	1.08E-06	1.02E-06	4.87E-08	1.18E-06	2.60E-07	3.55E-07	5.62E-07	9.91E-08	6.72E-08	2.57E-06	1.33E-06	5.64E-07	6.64E-07	2.61E-07	1.33E-06	5.64E-07
1209	490035.89	3858876.54	4.05E-03	4.15E-03	3.92E-03	1.40E-06	4.24E-06	2.45E-06	2.51E-06	2.28E-06	1.04E-06	9.80E-07	4.69E-08	1.13E-06	2.50E-07	3.41E-07	5.41E-07	9.54E-08	6.47E-08	2.47E-06	1.28E-06	5.43E-07	6.39E-07	2.51E-07	1.28E-06	5.43E-07
1210	489285.89	3858926.54	1.08E-02	1.11E-02	1.04E-02	3.74E-06	1.13E-05	6.54E-06	6.70E-06	6.07E-06	2.77E-06	2.61E-06	1.25E-07	3.02E-06	6.66E-07	9.10E-07	1.44E-06	2.54E-07	1.72E-07	6.59E-06	3.41E-06	1.45E-06	1.70E-06	6.69E-07	3.41E-06	1.45E-06
1211	489335.89	3858926.54	9.80E-03	1.00E-02	9.46E-03	3.39E-06	1.02E-05	5.93E-06	6.07E-06	5.50E-06	2.51E-06	2.37E-06	1.13E-07	2.74E-06	6.04E-07	8.24E-07	1.31E-06	2.30E-07	1.56E-07	5.97E-06	3.09E-06	1.31E-06	1.54E-06	6.06E-07	3.09E-06	1.31E-06
1212	489385.89	3858926.54	8.95E-03	9.17E-03	8.65E-03	3.10E-06	9.36E-06	5.42E-06	5.55E-06	5.03E-06	2.30E-06	2.17E-06	1.04E-07	2.50E-06	5.52E-07	7.53E-07	1.20E-06	2.11E-07	1.43E-07	5.46E-06	2.83E-06	1.20E-06	1.41E-06	5.54E-07	2.83E-06	1.20E-06
1213	489435.89	3858926.54	8.26E-03	8.46E-03	7.98E-03	2.86E-06	8.63E-06	5.00E-06	5.12E-06	4.64E-06	2.12E-06	2.00E-06	9.54E-08	2.31E-06	5.09E-07	6.95E-07	1.10E-06	1.94E-07	1.32E-07	5.03E-06	2.61E-06	1.11E-06	1.30E-06	5.11E-07	2.61E-06	1.11E-06
1214	489485.89	3858926.54	7.66E-03	7.85E-03	7.40E-03	2.65E-06	8.01E-06	4.64E-06	4.75E-06	4.30E-06	1.96E-06	1.85E-06	8.86E-08	2.14E-06	4.72E-07	6.45E-07	1.02E-06	1.80E-07	1.22E-07	4.67E-06	2.42E-06	1.03E-06	1.21E-06	4.74E-07	2.42E-06	1.03E-06
1215	489535.89	3858926.54	7.15E-03	7.32E-03	6.91E-03	2.47E-06	7.47E-06	4.32E-06	4.43E-06	4.02E-06	1.83E-06	1.73E-06	8.26E-08	2.00E-06	4.40E-07	6.01E-07	9.54E-07	1.68E-07	1.14E-07	4.36E-06	2.26E-06	9.57E-07	1.13E-06	4.42E-07	2.26E-06	9.57E-07
1216	489585.89	3858926.54	6.70E-03	6.86E-03	6.47E-03	2.32E-06	7.00E-06	4.05E-06	4.15E-06	3.76E-06	1.72E-06	1.62E-06	7.75E-08	1.87E-06	4.13E-07	5.64E-07	8.94E-07	1.58E-07	1.07E-07	4.08E-06	2.11E-06	8.97E-07	1.06E-06	4.15E-07	2.11E-06	8.97E-07
1217	489635.89	3858926.54	6.31E-03	6.46E-03	6.10E-03	2.18E-06	6.60E-06	3.82E-06	3.91E-06	3.55E-06	1.62E-06	1.53E-06	7.29E-08	1.76E-06	3.89E-07	5.31E-07	8.42E-07	1.48E-07	1.01E-07	3.85E-06	1.99E-06	8.45E-07	9.94E-07	3.91E-07	1.99E-06	8.45E-07
1218	489685.89	3858926.54	5.96E-03	6.11E-03	5.76E-03	2.06E-06	6.23E-06	3.61E-06	3.70E-06	3.35E-06	1.53E-06	1.44E-06	6.89E-08	1.66E-06	3.67E-07	5.02E-07	7.96E-07	1.40E-07	9.51E-08	3.63E-06	1.88E-06	7.98E-07	9.39E-07	3.69E-07	1.88E-06	7.98E-07
1219	489735.89	3858926.54	5.66E-03	5.80E-03	5.47E-03	1.96E-06	5.92E-06	3.43E-06	3.51E-06	3.18E-06	1.45E-06	1.37E-06	6.54E-08	1.58E-06	3.49E-07	4.76E-07	7.56E-07	1.33E-07	9.03E-08	3.45E-06	1.79E-06	7.58E-07	8.92E-07	3.50E-07	1.79E-06	7.58E-07
1220	489785.89	3858926.54	5.39E-03	5.52E-03	5.21E-03	1.87E-06	5.64E-06	3.26E-06	3.34E-06	3.03E-06	1.38E-06	1.30E-06	6.23E-08	1.51E-06	3.32E-07	4.54E-07	7.20E-07	1.27E-07	8.60E-08	3.29E-06	1.70E-06	7.22E-07	8.50E-07	3.34E-07	1.70E-06	7.22E-07
1221	489835.89	3858926.54	5.14E-03	5.27E-03	4.97E-03	1.78E-06	5.38E-06	3.11E-06	3.19E-06	2.89E-06	1.32E-06	1.24E-06	5.95E-08	1.44E-06	3.17E-07	4.33E-07	6.87E-07	1.21E-07	8.21E-08	3.14E-06	1.62E-06	6.89E-07	8.10E-07	3.18E-07	1.62E-06	6.89E-07
1222	489885.89	3858926.54	4.92E-03	5.04E-03	4.76E-03	1.70E-06	5.15E-06	2.98E-06	3.05E-06	2.77E-06	1.26E-06	1.19E-06	5.69E-08	1.37E-06	3.03E-07	4.14E-07	6.57E-07	1.16E-07	7.85E-08	3.00E-06	1.55E-06	6.59E-07	7.76E-07	3.05E-07	1.55E-06	6.59E-07
1223	489935.89	3858926.54	4.72E-03	4.83E-03	4.56E-03	1.63E-06	4.93E-06	2.85E-06	2.92E-06	2.65E-06	1.21E-06	1.14E-06	5.45E-08	1.32E-06	2.91E-07	3.97E-07	6.30E-07	1.11E-07	7.53E-08	2.88E-06	1.49E-06	6.32E-07	7.43E-07	2.92E-07	1.49E-06	6.32E-07
1224	489985.89	3858926.54	4.52E-03	4.63E-03	4.37E-03	1.57E-06	4.73E-06	2.74E-06	2.80E-06	2.54E-06	1.16E-06	1.09E-06	5.23E-08	1.26E-06	2.79E-07	3.81E-07	6.04E-07	1.06E-07	7.21E-08	2.76E-06	1.43E-06	6.06E-07	7.13E-07	2.80E-07	1.43E-06	6.06E-07
1225	490035.89	3858926.54	4.32E-03	4.42E-03	4.17E-03	1.49E-06	4.51E-06	2.61E-06	2.68E-06	2.43E-06	1.11E-06	1.04E-06	4.99E-08	1.21E-06	2.66E-07	3.63E-07	5.76E-07	1.02E-07	6.89E-08	2.63E-06	1.36E-06	5.78E-07	6.80E-07	2.67E-07	1.36E-06	5.78E-07

1226	489335.89	3858976.54	1.18E-02	1.21E-02	1.14E-02	4.09E-06	1.24E-05	7.16E-06	7.33E-06	6.65E-06	3.03E-06	2.86E-06	1.37E-07	3.30E-06	7.29E-07	9.95E-07	1.58E-06	2.78E-07	1.89E-07	7.21E-06	3.73E-06	1.58E-06	1.86E-06	7.32E-07	3.73E-06	1.58E-06
1227	489385.89	3858976.54	1.06E-02	1.09E-02	1.03E-02	3.67E-06	1.11E-05	6.42E-06	6.58E-06	5.96E-06	2.72E-06	2.57E-06	1.23E-07	2.96E-06	6.54E-07	8.93E-07	1.42E-06	2.50E-07	1.69E-07	6.47E-06	3.35E-06	1.42E-06	1.67E-06	6.57E-07	3.35E-06	1.42E-06
1228	489435.89	3858976.54	9.65E-03	9.88E-03	9.32E-03	3.34E-06	1.01E-05	5.84E-06	5.98E-06	5.42E-06	2.47E-06	2.33E-06	1.12E-07	2.69E-06	5.94E-07	8.12E-07	1.29E-06	2.27E-07	1.54E-07	5.88E-06	3.04E-06	1.29E-06	1.52E-06	5.97E-07	3.04E-06	1.29E-06
1229	489485.89	3858976.54	8.83E-03	9.04E-03	8.53E-03	3.06E-06	9.23E-06	5.34E-06	5.47E-06	4.96E-06	2.26E-06	2.14E-06	1.02E-07	2.47E-06	5.44E-07	7.43E-07	1.18E-06	2.08E-07	1.41E-07	5.38E-06	2.79E-06	1.18E-06	1.39E-06	5.46E-07	2.79E-06	1.18E-06
1230	489535.89	3858976.54	8.14E-03	8.34E-03	7.86E-03	2.82E-06	8.51E-06	4.93E-06	5.05E-06	4.57E-06	2.09E-06	1.97E-06	9.41E-08	2.27E-06	5.02E-07	6.85E-07	1.09E-06	1.92E-07	1.30E-07	4.96E-06	2.57E-06	1.09E-06	1.28E-06	5.04E-07	2.57E-06	1.09E-06
1231	489585.89	3858976.54	7.57E-03	7.75E-03	7.31E-03	2.62E-06	7.91E-06	4.58E-06	4.69E-06	4.25E-06	1.94E-06	1.83E-06	8.75E-08	2.11E-06	4.66E-07	6.37E-07	1.01E-06	1.78E-07	1.21E-07	4.61E-06	2.39E-06	1.01E-06	1.19E-06	4.68E-07	2.39E-06	1.01E-06
1232	489635.89	3858976.54	7.07E-03	7.24E-03	6.83E-03	2.45E-06	7.38E-06	4.27E-06	4.38E-06	3.97E-06	1.81E-06	1.71E-06	8.17E-08	1.97E-06	4.35E-07	5.94E-07	9.43E-07	1.66E-07	1.13E-07	4.31E-06	2.23E-06	9.46E-07	1.11E-06	4.37E-07	2.23E-06	9.46E-07
1233	489685.89	3858976.54	6.63E-03	6.79E-03	6.40E-03	2.29E-06	6.92E-06	4.01E-06	4.11E-06	3.72E-06	1.70E-06	1.60E-06	7.66E-08	1.85E-06	4.08E-07	5.57E-07	8.84E-07	1.56E-07	1.06E-07	4.04E-06	2.09E-06	8.87E-07	1.04E-06	4.10E-07	2.09E-06	8.87E-07
1234	489735.89	3858976.54	6.25E-03	6.40E-03	6.04E-03	2.16E-06	6.53E-06	3.78E-06	3.87E-06	3.51E-06	1.60E-06	1.51E-06	7.22E-08	1.74E-06	3.85E-07	5.26E-07	8.34E-07	1.47E-07	9.96E-08	3.81E-06	1.97E-06	8.37E-07	9.84E-07	3.87E-07	1.97E-06	8.37E-07
1235	489785.89	3858976.54	5.92E-03	6.06E-03	5.72E-03	2.05E-06	6.19E-06	3.58E-06	3.67E-06	3.33E-06	1.52E-06	1.43E-06	6.84E-08	1.65E-06	3.65E-07	4.98E-07	7.90E-07	1.39E-07	9.44E-08	3.61E-06	1.87E-06	7.93E-07	9.33E-07	3.66E-07	1.87E-06	7.93E-07
1236	489835.89	3858976.54	5.62E-03	5.76E-03	5.43E-03	1.95E-06	5.88E-06	3.40E-06	3.49E-06	3.16E-06	1.44E-06	1.36E-06	6.50E-08	1.57E-06	3.47E-07	4.73E-07	7.51E-07	1.32E-07	8.97E-08	3.43E-06	1.78E-06	7.53E-07	8.86E-07	3.48E-07	1.78E-06	7.53E-07
1237	489885.89	3858976.54	5.35E-03	5.48E-03	5.17E-03	1.85E-06	5.59E-06	3.24E-06	3.31E-06	3.00E-06	1.37E-06	1.29E-06	6.18E-08	1.49E-06	3.29E-07	4.50E-07	7.14E-07	1.26E-07	8.53E-08	3.26E-06	1.69E-06	7.16E-07	8.42E-07	3.31E-07	1.69E-06	7.16E-07
1238	489935.89	3858976.54	5.10E-03	5.22E-03	4.93E-03	1.77E-06	5.33E-06	3.09E-06	3.16E-06	2.87E-06	1.31E-06	1.23E-06	5.90E-08	1.42E-06	3.14E-07	4.29E-07	6.81E-07	1.20E-07	8.13E-08	3.11E-06	1.61E-06	6.83E-07	8.04E-07	3.16E-07	1.61E-06	6.83E-07
1239	489985.89	3858976.54	4.88E-03	4.99E-03	4.71E-03	1.69E-06	5.10E-06	2.95E-06	3.02E-06	2.74E-06	1.25E-06	1.18E-06	5.64E-08	1.36E-06	3.00E-07	4.10E-07	6.51E-07	1.15E-07	7.78E-08	2.97E-06	1.54E-06	6.53E-07	7.68E-07	3.02E-07	1.54E-06	6.53E-07
1240	490035.89	3858976.54	4.60E-03	4.71E-03	4.44E-03	1.59E-06	4.80E-06	2.78E-06	2.85E-06	2.58E-06	1.18E-06	1.11E-06	5.31E-08	1.28E-06	2.83E-07	3.87E-07	6.13E-07	1.08E-07	7.33E-08	2.80E-06	1.45E-06	6.15E-07	7.24E-07	2.84E-07	1.45E-06	6.15E-07
1241	489385.89	3859026.54	1.30E-02	1.34E-02	1.26E-02	4.52E-06	1.36E-05	7.90E-06	8.09E-06	7.33E-06	3.34E-06	3.15E-06	1.51E-07	3.64E-06	8.04E-07	1.10E-06	1.74E-06	3.07E-07	2.08E-07	7.95E-06	4.12E-06	1.75E-06	2.06E-06	8.08E-07	4.12E-06	1.75E-06
1242	489435.89	3859026.54	1.16E-02	1.19E-02	1.12E-02	4.01E-06	1.21E-05	7.01E-06	7.18E-06	6.51E-06	2.97E-06	2.80E-06	1.34E-07	3.24E-06	7.14E-07	9.75E-07	1.55E-06	2.73E-07	1.85E-07	7.06E-06	3.66E-06	1.55E-06	1.83E-06	7.17E-07	3.66E-06	1.55E-06
1243	489485.89	3859026.54	1.04E-02	1.07E-02	1.01E-02	3.61E-06	1.09E-05	6.31E-06	6.46E-06	5.86E-06	2.67E-06	2.52E-06	1.20E-07	2.91E-06	6.42E-07	8.77E-07	1.39E-06	2.45E-07	1.66E-07	6.35E-06	3.29E-06	1.40E-06	1.64E-06	6.45E-07	3.29E-06	1.40E-06
1244	489535.89	3859026.54	9.48E-03	9.71E-03	9.16E-03	3.28E-06	9.91E-06	5.74E-06	5.87E-06	5.33E-06	2.43E-06	2.29E-06	1.10E-07	2.65E-06	5.84E-07	7.98E-07	1.27E-06	2.23E-07	1.51E-07	5.78E-06	2.99E-06	1.27E-06	1.49E-06	5.87E-07	2.99E-06	1.27E-06
1245	489585.89	3859026.54	8.69E-03	8.90E-03	8.39E-03	3.01E-06	9.08E-06	5.26E-06	5.38E-06	4.88E-06	2.23E-06	2.10E-06	1.00E-07	2.43E-06	5.35E-07	7.31E-07	1.16E-06	2.04E-07	1.39E-07	5.30E-06	2.74E-06	1.16E-06	1.37E-06	5.38E-07	2.74E-06	1.16E-06
1246	489635.89	3859026.54	8.03E-03	8.23E-03	7.76E-03	2.78E-06	8.39E-06	4.86E-06	4.98E-06	4.51E-06	2.06E-06	1.94E-06	9.28E-08	2.24E-06	4.95E-07	6.76E-07	1.07E-06	1.89E-07	1.28E-07	4.90E-06	2.53E-06	1.08E-06	1.27E-06	4.97E-07	2.53E-06	1.08E-06
1247	489685.89	3859026.54	7.47E-03	7.65E-03	7.22E-03	2.59E-06	7.81E-06	4.52E-06	4.63E-06	4.20E-06	1.91E-06	1.81E-06	8.63E-08	2.09E-06	4.60E-07	6.28E-07	9.97E-07	1.76E-07	1.19E-07	4.55E-06	2.36E-06	1.00E-06	1.18E-06	4.62E-07	2.36E-06	1.00E-06
1248	489735.89	3859026.54	6.99E-03	7.16E-03	6.75E-03	2.42E-06	7.31E-06	4.23E-06	4.33E-06	3.93E-06	1.79E-06	1.69E-06	8.08E-08	1.95E-06	4.31E-07	5.88E-07	9.33E-07	1.64E-07	1.11E-07	4.26E-06	2.21E-06	9.36E-07	1.10E-06	4.33E-07	2.21E-06	9.36E-07
1249	489785.89	3859026.54	6.57E-03	6.73E-03	6.35E-03	2.28E-06	6.87E-06	3.98E-06	4.07E-06	3.69E-06	1.68E-06	1.59E-06	7.60E-08	1.84E-06	4.05E-07	5.53E-07	8.77E-07	1.55E-07	1.05E-07	4.01E-06	2.07E-06	8.80E-07	1.04E-06	4.07E-07	2.07E-06	8.80E-07
1250	489835.89	3859026.54	6.19E-03	6.34E-03	5.98E-03	2.14E-06	6.47E-06	3.75E-06	3.84E-06	3.48E-06	1.59E-06	1.50E-06	7.16E-08	1.73E-06	3.81E-07	5.21E-07	8.26E-07	1.46E-07	9.87E-08	3.77E-06	1.95E-06	8.29E-07	9.75E-07	3.83E-07	1.95E-06	8.29E-07
1251	489885.89	3859026.54	5.86E-03	6.00E-03	5.66E-03	2.03E-06	6.12E-06	3.55E-06	3.63E-06	3.29E-06	1.50E-06	1.42E-06	6.77E-08	1.64E-06	3.61E-07	4.93E-07	7.82E-07	1.38E-07	9.34E-08	3.57E-06	1.85E-06	7.85E-07	9.23E-07	3.63E-07	1.85E-06	7.85E-07
1252	489935.89	3859026.54	5.56E-03	5.69E-03	5.37E-03	1.92E-06	5.81E-06	3.36E-06	3.45E-06	3.12E-06	1.43E-06	1.34E-06	6.43E-08	1.55E-06	3.43E-07	4.68E-07	7.42E-07	1.31E-07	8.87E-08	3.39E-06	1.75E-06	7.44E-07	8.76E-07	3.44E-07	1.75E-06	7.44E-07
1253	489985.89	3859026.54	5.29E-03	5.42E-03	5.11E-03	1.83E-06	5.53E-06	3.20E-06	3.28E-06	2.97E-06	1.36E-06	1.28E-06	6.11E-08	1.48E-06	3.26E-07	4.45E-07	7.06E-07	1.24E-07	8.43E-08	3.22E-06	1.67E-06	7.08E-07	8.33E-07	3.27E-07	1.67E-06	7.08E-07
1254	490035.89	3859026.54	4.94E-03	5.06E-03	4.78E-03	1.71E-06	5.17E-06	2.99E-06	3.06E-06	2.78E-06	1.27E-06	1.20E-06	5.71E-08	1.38E-06	3.05E-07	4.16E-07	6.60E-07	1.16E-07	7.88E-08	3.01E-06	1.56E-06	6.62E-07	7.79E-07	3.06E-07	1.56E-06	6.62E-07
1255	489485.89	3859076.54	1.27E-02	1.31E-02	1.23E-02	4.41E-06	1.33E-05	7.71E-06	7.90E-06	7.16E-06	3.27E-06	3.08E-06	1.47E-07	3.56E-06	7.85E-07	1.07E-06	1.70E-06	3.00E-07	2.03E-07	7.77E-06	4.02E-06	1.71E-06	2.01E-06	7.89E-07	4.02E-06	1.71E-06
1256	489535.89	3859076.54	1.13E-02	1.16E-02	1.10E-02	3.93E-06	1.19E-05	6.86E-06	7.03E-06	6.37E-06	2.91E-06	2.74E-06	1.31E-07	3.17E-06	6.99E-07	9.54E-07	1.51E-06	2.67E-07	1.81E-07	6.91E-06	3.58E-06	1.52E-06	1.79E-06	7.02E-07	3.58E-06	1.52E-06
1257	489585.89	3859076.54	1.02E-02	1.05E-02	9.88E-03	3.54E-06	1.07E-05	6.18E-06	6.33E-06	5.74E-06	2.62E-06	2.47E-06	1.18E-07	2.85E-06	6.30E-07	8.60E-07	1.36E-06	2.40E-07	1.63E-07	6.23E-06	3.23E-06	1.37E-06	1.61E-06	6.33E-07	3.23E-06	1.37E-06
1258	489635.89	3859076.54	9.33E-03	9.55E-03	9.01E-03	3.23E-06	9.75E-06	5.64E-06	5.78E-06	5.24E-06	2.39E-06	2.25E-06	1.08E-07	2.60E-06	5.75E-07	7.85E-07	1.24E-06	2.19E-07	1.49E-07	5.68E-06	2.94E-06	1.25E-06	1.47E-06	5.77E-07	2.94E-06	1.25E-06
1259	489685.89	3859076.54	8.58E-03	8.78E-03	8.29E-03	2.97E-06	8.96E-06	5.19E-06	5.31E-06	4.82E-06	2.20E-06	2.07E-06	9.91E-08	2.39E-06	5.28E-07	7.22E-07	1.14E-06	2.02E-07	1.37E-07	5.23E-06	2.71E-06	1.15E-06	1.35E-06	5.31E-07	2.71E-06	1.15E-06
1260	489735.89	3859076.54	7.94E-03	8.13E-03	7.67E-03	2.75E-06	8.30E-06	4.80E-06	4.92E-06	4.46E-06	2.04E-06	1.92E-06	9.18E-08	2.22E-06	4.89E-07	6.68E-07	1.06E-06	1.87E-07	1.27E-07	4.84E-06	2.51E-06	1.06E-06	1.25E-06	4.91E-07	2.51E-06	1.06E-06
1261	489785.89	3859076.54	7.40E-03	7.57E-03	7.14E-03	2.56E-06	7.73E-06	4.47E-06	4.58E-06	4.15E-06	1.90E-06	1.79E-06	8.55E-08	2.06E-06	4.56E-07	6.22E-07	9.87E-07	1.74E-07	1.18E-07	4.51E-06	2.33E-06	9.90E-07	1.17E-06	4.58E-07	2.33E-06	9.90E-07
1262	489835.89	3859076.54	6.91E-03	7.08E-03	6.68E-03	2.39E-06	7.23E-06	4.18E-06	4.29E-06	3.88E-06	1.77E-06	1.67E-06	7.99E-08	1.93E-06	4.26E-07	5.82E-07	9.23E-07	1.63E-07	1.10E-07	4.21E-06	2.18E-06	9.26E-07	1.09E-06	4.28E-07	2.18E-06	9.26E-07
1263	489885.89	3859076.54	6.49E-03	6.65E-03	6.27E-03	2.25E-06	6.78E-06	3.93E-06	4.02E-06	3.65E-06	1.66E-06	1.57E-06	7.50E-08	1.81E-06	4.00E-07	5.46E-07	8.66E-07	1.53E-07	1.04E-07	3.96E-06	2.05E-06	8.69E-07	1.02E-06	4.02E-07	2.05E-06	8.69E-07
1264	489935.89	3859076.54	6.13E-03	6.28E-03	5.92E-03	2.12E-06	6.40E-06	3.71E-06	3.80E-06	3.44E-06	1.57E-06	1.48E-06	7.08E-08	1.71E-06	3.78E-07	5.16E-07	8.18E-07	1.44E-07	9.77E-08	3.73E-06	1.93E-06	8.21E-07	9.65E-07	3.79E-07	1.93E-06	8.21E-07
1265	489985.89	3859076.54	5.79E-03	5.93E-03	5.60E-03	2.00E-06	6.05E-06	3.50E-06	3.59E-06	3.25E-06	1.48E-06	1.40E-06	6.69E-08	1.62E-06	3.57E-07	4.87E-07	7.73E-07	1.36E-07	9.24E-08	3.53E-06	1.83E-06	7.76E-07	9.12E-07	3.58E-07	1.83E-06	7.76E-07
1266	490035.89	3859076.54	5.40E-03	5.53E-03	5.22E-03	1.87E-06	5.65E-06	3.27E-06	3.35E-06	3.03E-06	1.38E-06	1.31E-06	6.24E-08	1.51E-06	3.33E-07	4.55E-07	7.21E-07	1.27E-07	8.61E-08	3.29E-06	1.70E-06	7.23E-07	8.51E-07	3.34E-07	1.70E-06	7.23E-07
1267	489585.89	3859126.54	1.25E-02	1.28E-02	1.20E-02	4.31E-06	1.30E-05	7.54E-06	7.72E-06	7.00E-06	3.19E-06	3.01E-06	1.44E-07	3.48E-06	7.67E-07	1.05E-06	1.66E-06	2.93E-07	1.99E-07	7.59E-06	3.93E-06	1.67E-06	1.96E-06	7.71E-07	3.93E-06	1.67E-06
1268	489635.89	3859126.54	1.11E-02	1.14E-02	1.08E-02	3.86E-06	1.16E-05	6.74E-06	6.90E-06	6.26E-06	2.86E-06	2.69E-06	1.29E-07	3.11E-06	6.86E-07	9.37E-07	1.49E-06	2.62E-07	1.78E-07	6.79E-06	3.52E-06	1.49E-06	1.75E-06	6.89E-07	3.52E-06	1.49E-06
1269	489685.89	3859126.54	1.01E-02	1.03E-02	9.73E-03	3.49E-06	1.05E-05	6.09E-06	6.24E-06	5.66E-06	2.58E-06	2.44E-06	1.16E-07	2.81E-06	6.21E-07	8.47E-07	1.34E-06	2.37E-07	1.61E-07	6.14E-06	3.18E-06	1.35E-06	1.59E-06	6.23E-07	3.18E-06	1.35E-06
1270	489735.89	3859126.54	9.19E-03	9.42E-03	8.88E-03	3.18E-06	9.61E-06	5.56E-06	5.70E-06	5.17E-06	2.36E-06	2.22E-06	1.06E-07	2.57E-06	5.67E-07	7.74E-07	1.23E-06	2.16E-07	1.47E-07	5.60E-06	2.90E-06	1.23E-06	1.45E-06	5.69E-07	2.90E-06	1.23E-06
1271	489785.89	3859126.54	8.46E-03	8.67E-03	8.18E-03	2.93E-06	8.85E-06	5.12E-06	5.25E-06	4.75E-06	2.17E-06	2.05E-06	9.78E-08	2.36E-06	5.22E-07	7.12E-07	1.13E-06	1.99E-07	1.35E-07	5.16E-06	2.67E-06	1.13E-06	1.33E-06	5.24E-07	2.67E-06	1.13E-06
1272	489835.89	3859126.54	7.84E-03	8.03E-03	7.57E-03	2.71E-06	8.19E-06	4.74E-06	4.86E-06	4.40E-06	2.01E-06	1.89E-06	9.06E-08	2.19E-06	4.83E-07	6.59E-07	1.05E-06	1.84E-07	1.25E-07	4.78E-06	2.47E-06	1.05E-06	1.23E-06	4.85E-07	2.47E-06	1.05E-06
1273	489885.89	3859126.54	7.29E-03	7.46E-03	7.04E-03	2.52E-06	7.62E-06	4.41E-06	4.52E-06	4.09E-06	1.87E-06	1.76E-06	8.42E-08	2.03E-06	4.49E-07	6.13E-07	9.73E-07	1.71E-07	1.16E-07	4.44E-06	2.30E-06	9.76E-07	1.15E-06	4.51E-07	2.30E-06	9.76E-07
1274	489935.89	3859126.54	6.82E-03	6.99E-03	6.59E-03	2.36E-06	7.13E-06	4.13E-06	4.23E-06	3.83E-06	1.75E-06	1.65E-06	7.89E-08	1.91E-06	4.20E-07	5.74E-07	9.11E-07	1.61E-07	1.09E-07	4.16E-06	2.15E-06	9.14E-07	1.08E-06	4.22E-07	2.15E-06	9.14E-07
1275	489985.89	3859126.54	6.38E-03	6.54E-03	6.17E-03	2.21E-06	6.67E-06	3.86E-06	3.96E-06	3.59E-06	1.64E-06	1.54E-06	7.38E-08	1.78E-06	3.93E-07	5.37E-07	8.52E-07	1.50E-07	1.02E-07	3.89E-06	2.01E-06	8.55E-07	1.01E-06	3.95E-07	2.01E-06	8.55E-07
1276	490035.89	3859126.54	5.97E-03	6.11E-03	5.76E-03	2.07E-06	6.24E-06	3.61E-06	3.70E-06	3.35E-06	1.53E-06	1.44E-06	6.90E-08	1.67E-06	3.68E-07	5.02E-07	7.96E-07	1.40E-07	9.52E-08	3.64E-06	1.88E-06	7.99E-07	9.40E-07	3.69E-07	1.88E-06	7.99E-07
1277	489585.89	3859176.54	1.59E-02	1.63E-02	1.54E-02	5.52E-06	1.67E-05	9.64E-06	9.88E-06	8.95E-06	4.08E-06	3.85E-06	1.84E-07	4.45E-06	9.82E-07	1.34E-06	2.13E-06	3.75E-07	2.54E-07	9.71E-06	5.03E-06	2.13E-06	2.51E-06	9.86E-07	5.03E-06	2.13E-06
1278	489635.89	3859176.54	1.38E-02	1.42E-02	1.34E-02	4.79E-06	1.44E-05	8.36E-06	8.57E-06	7.77E-06	3.54E-06	3.34E-06	1.60E-07	3.86E-06	8.52E-07	1.16E-06	1.85E-06	3.25E-07	2.20E-07	8.43E-06	4.36E-06	1.85E-06	2.18E-06	8.56E-07	4.36E-06	1.85E-06
1279	489685.89	3859176.54	1.22E-02	1.25E-02	1.18E-02	4.23E-06	1.28E-05	7.39E-06	7.57E-06	6.87E-06	3.13E-06	2.96E-06	1.41E-07	3.41E-06	7.53E-07	1.03E-06	1.63E-06	2.88E-07	1.95E-07	7.45E-06	3.86E-06	1.64E-06	1.93E-06	7.56E-07	3.86E-06	1.64E-06
1280	489735.89	3859176.54	1.10E-02	1.12E-02	1.06E-02	3.79E-06	1.15E-05	6.63E-06	6.79E-06	6.15E-06	2.81E-06	2.65E-06	1.27E-07	3.06E-06	6.75E-07	9.22E-07	1.46E-06	2.58E-07	1.75E-07	6.68E-06	3.46E-06	1.47E-06	1.73E-06	6.78E-07	3.46E-06	1.47E-06
1281	489785.89	3859176.54	9.91E-03	1.01E-02	9.57E-03	3.43E-06	1.04E-05	6.00E-06	6.14E-06	5.57E-06	2.54E-06	2.40E-06	1.15E-07	2.77E-06	6.11E-07	8.34E-07	1.32E-06	2.33E-07	1.58E-07	6.04E-06	3.13E-06	1.33E-06	1.56E-06	6.13E-07	3.13E-06	1.33E-06
1282	489835.89	3859176.54	9.05E-03	9.27E-03	8.75E-03	3.13E-06	9.46E-06	5.48E-06	5.61E-06	5.09E-06	2.32E-06	2.19E-06	1.05E-07	2.53E-06	5.58E-07	7.62E-07	1.21E-06	2.13E-07	1.44E-07	5.52E-06	2.86E-06	1.21E-06	1.43E-06	5.60E-07	2.86E-06	1.21E-06
1283	489885.89	3859176.54	8.33E-03	8.53E-03	8.04E-03	2.88E-06	8.70E-06	5.04E-06	5.16E-06	4.68E-06	2.13E-06	2.01E-06	9.63E-08	2.33E-06	5.13E-07	7.01E-07	1.11E-06	1.96E-07	1.33E-07	5.08E-06	2.63E-06	1.12E-06	1.31E-06	5.15E-07	2.63E-06	1.12E-06
1284	489935.89	3859176.54	7.72E-03	7.91E-03	7.46E-03	2.67E-06	8.07E-06	4.67E-06	4.79E-06	4.34E-06	1.98E-06	1.87E-06	8.93E-08	2.16E-06	4.76E-07	6.50E-07	1.03E-06	1.82E-07	1.23E-07	4.71E-06	2.44E-06	1.03E-06	1.22E-06	4.78E-07	2.44E-06	1.03E-06
1285	489985.89	3859176.54	7.16E-03	7.33E-03	6.91E-03	2.48E-06	7.48E-06	4.33E-06	4.44E-06	4.02E-06	1.83E-06	1.73E-06	8.27E-08	2.00E-06	4.41E-07	6.02E-07	9.55E-07	1.68E-07	1.14E-07	4.36E-06	2.26E-06	9.58E-07	1.13E-06	4.43E-07	2.26E-06	9.58E-07
1286	490035.89	3859176.54	6.71E-03	6.87E-03	6.48E-03	2.32E-06	7.01E-06	4.06E-06	4.16E-06	3.77E-06	1.72E-06	1.62E-06	7.76E-08	1.87E-06	4.13E-07	5.65E-07	8.96E-07	1.58E-07	1.07E-07	4.09E-06	2.12E-06	8.99E-07	1.06E-06	4.15E-07	2.12E-06	8.99E-07
1287	489685.89	3859226.54	1.55E-02	1.59E-02	1.50E-02	5.38E-06	1.62E-05	9.40E-06	9.62E-06	8.72E-06	3.98E-06	3.75E-06	1.79E-07	4.34E-06	9.57E-07	1.31E-06	2.07E-06	3.65E-07	2.48E-07	9.46E-06	4.90E-06	2.08E-06	2.45E-06	9.61E-07	4.90E-06	2.08E-06
1288	489735.89	3859226.54	1.35E-02	1.39E-02	1.31E-02	4.69E-06	1.42E-05	8.19E-06	8.39E-06	7.61E-06	3.47E-06	3.27E-06	1.57E-07	3.78E-06	8.34E-07	1.14E-06	1.81E-06	3.19E-07	2.16E-07	8.25E-06	4.27E-06	1.81E-06	2.13E-06	8.38E-07	4.27E-06	1.81E-06
1289	489785.89	3859226.54	1.20E-02	1.23E-02	1.16E-02	4.15E-06	1.25E-05	7.25E-06	7.42E-06	6.73E-06	3.07E-06	2.90E-06	1.38E-07	3.34E-06	7.38E-07	1.01E-06	1.60E-06	2.82E-07	1.91E-07	7.30E-06	3.78E-06	1.60E-06	1.89E-06	7.41E-07	3.78E-06	1.60E-06
1290	489835.89	3859226.54	1.07E-02	1.10E-02	1.04E-02	3.71E-06	1.12E-05	6.49E-06	6.65E-06	6.03E-06	2.75E-06	2.59E-06	1.24E-07	2.99E-06	6.61E-07	9.02E-07	1.43E-06	2.52E-07	1.71E-07	6.54E-06	3.39E-06	1.44E-06	1.69E-06	6.64E-07	3.39E-06	1.44E-06
1291	489885.89	3859226.54	9.72E-03	9.96E-03	9.39E-03	3.37E-06	1.02E-05	5.88E-06	6.02E-06	5.46E-06	2.49E-06	2.35E-06	1.12E-07	2.71E-06	5.99E-07	8.18E-07	1.30E-06	2.29E-07	1.55E-07	5.93E-06	3.07E-06	1.30E-06	1.53E-06	6.02E-07	3.07E-06	1.30E-06
1292	489935.89	3859226.54	8.89E-03	9.10E-03	8.59E-03	3.08E-06	9.29E-06	5.38E-06	5.51E-06	4.99E-06	2.28E-06	2.15E-06	1.03E-07	2.48E-06	5.48E-07	7.48E-07	1.19E-06	2.09E-07	1.42E-07	5.42E-06	2.80E-06	1.19E-06	1.40E-06	5.50E-07	2.80E-06	1.19E-06
1293	489985.89	3859226.54	8.12E-03	8.32E-03	7.85E-03	2.81E-06	8.49E-06	4.91E-06	5.03E-06	4.56E-06	2.08E-06	1.96E-06	9.39E-08	2.27E-06	5.00E-07	6.83E-07	1.08E-06	1.91E-07	1.30E-07	4.95E-06	2.56E-06	1.09E-06	1.28E-06	5.03E-07	2.56E-06	1.09E-06
1294	490035.89	3859226.54	7.56E-03	7.74E-03	7.30E-03	2.62E-06	7.90E-06	4.57E-06	4.68E-06	4.25E-06	1.94E-06	1.83E-06	8.74E-08	2.11E-06	4.66E-07	6.36E-07	1.01E-06	1.78E-07	1.21E-07	4.61E-06	2.39E-06	1.01E-06	1.19E-06	4.68E-07	2.39E-06	1.01E-06
1295	489735.89	3859276.54	1.77E-02	1.82E-02	1.71E-02	6.14E-06	1.85E-05	1.07E-05	1.10E-05	9.96E-06	4.55E-06	4.29E-06	2.05E-07	4.95E-06	1.09E-06	1.49E-06	2.37E-06	4.17E-07	2.83E-07	1.08E-05	5.60E-06	2.37E-06	2.79E-06	1.10E-06	5.60E-06	2.37E-06
1296	489785.89	3859276.54	1.52E-02	1.55E-02	1.46E-02	5.25E-06	1.58E-05	9.17E-06	9.39E-06	8.52E-06	3.89E-06	3.67E-06	1.75E-07	4.23E-06	9.34E-07	1.28E-06	2.02E-06	3.57E-07	2.42E-07	9.24E-06	4.78E-06	2.03E-06	2.39E-06	9.38E-07	4.78E-06	2.03E-06
1297	489835.89	3859276.54	1.32E-02	1.35E-02	1.27E-02	4.57E-06	1.38E-05	7.98E-06	8.18E-06	7.41E-06	3.38E-06	3.19E-06	1.52E-07	3.68E-06	8.13E-07	1.11E-06	1.76E-06	3.10E-07	2.10E-07	8.04E-06	4.16E-06	1.77E-06	2.08E-06	8.16E-07	4.16E-06	1.77E-06
1298	489885.89	3859276.54	1.17E-02	1.20E-02	1.13E-02	4.05E-06	1.22E-05	7.08E-06	7.25E-06	6.58E-06	3.00E-06	2.83E-06	1.35E-07	3.27E-06	7.21E-07	9.85E-07	1.56E-06	2.75E-07	1.87E-07	7.14E-06	3.69E-06	1.57E-06	1.84E-06	7.25E-07	3.69E-06	1.57E-06
1299	489935.89	3859276.54	1.05E-02	1.07E-02	1.01E-02	3.63E-06	1.10E-05	6.35E-06	6.50E-06	5.90E-06	2.69E-06	2.54E-06	1.21E-07	2.93E-06	6.47E-07	8.83E-07	1.40E-06	2.47E-07	1.67E-07	6.40E-06	3.31E-06	1.41E-06	1.65E-06	6.50E-07	3.31E-06	1.41E-06
1300	489985.89	3859276.54	9.42E-03	9.65E-03	9.10E-03	3.26E-06	9.84E-06	5.70E-06	5.84E-06	5.29E-06	2.41E-06	2.28E-06	1.09E-07	2.63E-06	5.80E-07	7.92E-07	1.26E-06	2.22E-07	1.50E-07	5.74E-06	2.97E-06	1.26E-06	1.48E-06	5.83E-07	2.97E-06	1.26E-06
1301	490035.89	3859276.54	8.71E-03	8.92E-03	8.42E-03	3.02E-06	9.10E-06	5.27E-06	5.40E-06	4.89E-06	2.23E-06	2.11E-06	1.01E-07	2.43E-06	5.37E-07	7.33E-07	1.16E-06	2.05E-07	1.39E-07	5.31E-06	2.75E-06	1.17E-06	1.37E-06	5.39E-07	2.75E-06	1.17E-06
1302	490458.06	3859590.74	1.47E-02	1.51E-02	1.42E-02	5.09E-06	1.54E-05	8.89E-06	9.11E-06	8.26E-06	3.77E-06	3.55E-06	1.70E-07	4.10E-06	9.06E-07	1.24E-06	1.96E-06	3.46E-07	2.34E-07	8.96E-06	4.64E-06	1.97E-06	2.32E-06	9.10E-07	4.64E-06	1.97E-06

1303	490508.06	3859590.74	1.30E-02	1.33E-02	1.26E-02	4.50E-06	1.36E-05	7.86E-06	8.05E-06	7.30E-06	3.33E-06	3.14E-06	1.50E-07	3.63E-06	8.01E-07	1.09E-06	1.73E-06	3.06E-07	2.07E-07	7.92E-06	4.10E-06	1.74E-06	2.05E-06	8.04E-07	4.10E-06	1.74E-06
1304	490558.06	3859590.74	1.16E-02	1.19E-02	1.12E-02	4.01E-06	1.21E-05	7.01E-06	7.18E-06	6.51E-06	2.97E-06	2.80E-06	1.34E-07	3.23E-06	7.14E-07	9.75E-07	1.55E-06	2.73E-07	1.85E-07	7.06E-06	3.66E-06	1.55E-06	1.82E-06	7.17E-07	3.66E-06	1.55E-06
1305	490608.06	3859590.74	1.04E-02	1.07E-02	1.01E-02	3.61E-06	1.09E-05	6.30E-06	6.46E-06	5.85E-06	2.67E-06	2.52E-06	1.20E-07	2.91E-06	6.42E-07	8.76E-07	1.39E-06	2.45E-07	1.66E-07	6.35E-06	3.29E-06	1.39E-06	1.64E-06	6.45E-07	3.29E-06	1.39E-06
1306	490658.06	3859590.74	9.44E-03	9.67E-03	9.12E-03	3.27E-06	9.86E-06	5.71E-06	5.85E-06	5.30E-06	2.42E-06	2.28E-06	1.09E-07	2.64E-06	5.82E-07	7.94E-07	1.26E-06	2.22E-07	1.51E-07	5.75E-06	2.98E-06	1.26E-06	1.49E-06	5.84E-07	2.98E-06	1.26E-06
1307	490708.06	3859590.74	8.60E-03	8.81E-03	8.31E-03	2.98E-06	8.99E-06	5.20E-06	5.33E-06	4.83E-06	2.20E-06	2.08E-06	9.94E-08	2.40E-06	5.30E-07	7.24E-07	1.15E-06	2.02E-07	1.37E-07	5.24E-06	2.71E-06	1.15E-06	1.36E-06	5.32E-07	2.71E-06	1.15E-06
1308	490758.06	3859590.74	7.86E-03	8.05E-03	7.59E-03	2.72E-06	8.21E-06	4.75E-06	4.87E-06	4.41E-06	2.01E-06	1.90E-06	9.08E-08	2.19E-06	4.84E-07	6.61E-07	1.05E-06	1.85E-07	1.25E-07	4.79E-06	2.48E-06	1.05E-06	1.24E-06	4.86E-07	2.48E-06	1.05E-06
1309	490808.06	3859590.74	7.26E-03	7.44E-03	7.02E-03	2.51E-06	7.59E-06	4.39E-06	4.50E-06	4.08E-06	1.86E-06	1.76E-06	8.40E-08	2.03E-06	4.47E-07	6.11E-07	9.69E-07	1.71E-07	1.16E-07	4.43E-06	2.29E-06	9.73E-07	1.14E-06	4.49E-07	2.29E-06	9.73E-07
1310	490858.06	3859590.74	6.73E-03	6.89E-03	6.50E-03	2.33E-06	7.03E-06	4.07E-06	4.17E-06	3.78E-06	1.72E-06	1.63E-06	7.77E-08	1.88E-06	4.14E-07	5.66E-07	8.98E-07	1.58E-07	1.07E-07	4.10E-06	2.12E-06	9.01E-07	1.06E-06	4.16E-07	2.12E-06	9.01E-07
1311	490458.06	3859640.74	2.12E-02	2.17E-02	2.05E-02	7.34E-06	2.22E-05	1.28E-05	1.31E-05	1.19E-05	5.43E-06	5.13E-06	2.45E-07	5.92E-06	1.31E-06	1.78E-06	2.83E-06	4.99E-07	3.38E-07	1.29E-05	6.69E-06	2.84E-06	3.34E-06	1.31E-06	6.69E-06	2.84E-06
1312	490508.06	3859640.74	1.80E-02	1.85E-02	1.74E-02	6.24E-06	1.89E-05	1.09E-05	1.12E-05	1.01E-05	4.62E-06	4.36E-06	2.09E-07	5.04E-06	1.11E-06	1.52E-06	2.41E-06	4.24E-07	2.88E-07	1.10E-05	5.69E-06	2.42E-06	2.84E-06	1.12E-06	5.69E-06	2.42E-06
1313	490558.06	3859640.74	1.56E-02	1.60E-02	1.51E-02	5.42E-06	1.64E-05	9.47E-06	9.70E-06	8.79E-06	4.01E-06	3.78E-06	1.81E-07	4.37E-06	9.64E-07	1.32E-06	2.09E-06	3.68E-07	2.50E-07	9.54E-06	4.94E-06	2.10E-06	2.46E-06	9.68E-07	4.94E-06	2.10E-06
1314	490608.06	3859640.74	1.36E-02	1.39E-02	1.31E-02	4.70E-06	1.42E-05	8.22E-06	8.42E-06	7.63E-06	3.48E-06	3.29E-06	1.57E-07	3.79E-06	8.37E-07	1.14E-06	1.81E-06	3.20E-07	2.17E-07	8.28E-06	4.29E-06	1.82E-06	2.14E-06	8.41E-07	4.29E-06	1.82E-06
1315	490658.06	3859640.74	1.19E-02	1.22E-02	1.15E-02	4.13E-06	1.25E-05	7.22E-06	7.39E-06	6.70E-06	3.06E-06	2.88E-06	1.38E-07	3.33E-06	7.35E-07	1.00E-06	1.59E-06	2.81E-07	1.90E-07	7.27E-06	3.76E-06	1.60E-06	1.88E-06	7.38E-07	3.76E-06	1.60E-06
1316	490708.06	3859640.74	1.07E-02	1.09E-02	1.03E-02	3.69E-06	1.11E-05	6.45E-06	6.61E-06	5.99E-06	2.73E-06	2.58E-06	1.23E-07	2.98E-06	6.57E-07	8.97E-07	1.42E-06	2.51E-07	1.70E-07	6.50E-06	3.37E-06	1.43E-06	1.68E-06	6.60E-07	3.37E-06	1.43E-06
1317	490758.06	3859640.74	9.58E-03	9.81E-03	9.26E-03	3.32E-06	1.00E-05	5.80E-06	5.94E-06	5.38E-06	2.46E-06	2.32E-06	1.11E-07	2.68E-06	5.90E-07	8.06E-07	1.28E-06	2.25E-07	1.53E-07	5.84E-06	3.02E-06	1.28E-06	1.51E-06	5.93E-07	3.02E-06	1.28E-06
1318	490808.06	3859640.74	8.76E-03	8.97E-03	8.46E-03	3.03E-06	9.16E-06	5.30E-06	5.43E-06	4.92E-06	2.25E-06	2.12E-06	1.01E-07	2.45E-06	5.40E-07	7.37E-07	1.17E-06	2.06E-07	1.40E-07	5.34E-06	2.77E-06	1.17E-06	1.38E-06	5.42E-07	2.77E-06	1.17E-06
1319	490858.06	3859640.74	8.06E-03	8.26E-03	7.79E-03	2.79E-06	8.43E-06	4.88E-06	5.00E-06	4.53E-06	2.07E-06	1.95E-06	9.32E-08	2.25E-06	4.97E-07	6.78E-07	1.08E-06	1.90E-07	1.29E-07	4.91E-06	2.54E-06	1.08E-06	1.27E-06	4.99E-07	2.54E-06	1.08E-06
1320	490608.06	3859690.74	1.92E-02	1.97E-02	1.86E-02	6.66E-06	2.01E-05	1.16E-05	1.19E-05	1.08E-05	4.93E-06	4.65E-06	2.22E-07	5.37E-06	1.19E-06	1.62E-06	2.57E-06	4.53E-07	3.07E-07	1.17E-05	6.07E-06	2.58E-06	3.03E-06	1.19E-06	6.07E-06	2.58E-06
1321	490658.06	3859690.74	1.61E-02	1.65E-02	1.56E-02	5.59E-06	1.69E-05	9.77E-06	1.00E-05	9.07E-06	4.14E-06	3.90E-06	1.87E-07	4.51E-06	9.94E-07	1.36E-06	2.15E-06	3.80E-07	2.57E-07	9.84E-06	5.09E-06	2.16E-06	2.54E-06	9.99E-07	5.09E-06	2.16E-06
1322	490708.06	3859690.74	1.40E-02	1.43E-02	1.35E-02	4.83E-06	1.46E-05	8.45E-06	8.65E-06	7.84E-06	3.58E-06	3.38E-06	1.61E-07	3.90E-06	8.60E-07	1.17E-06	1.86E-06	3.28E-07	2.23E-07	8.51E-06	4.41E-06	1.87E-06	2.20E-06	8.64E-07	4.41E-06	1.87E-06
1323	490758.06	3859690.74	1.22E-02	1.25E-02	1.18E-02	4.23E-06	1.28E-05	7.39E-06	7.57E-06	6.86E-06	3.13E-06	2.95E-06	1.41E-07	3.41E-06	7.53E-07	1.03E-06	1.63E-06	2.87E-07	1.95E-07	7.44E-06	3.86E-06	1.64E-06	1.92E-06	7.56E-07	3.86E-06	1.64E-06
1324	490808.06	3859690.74	1.09E-02	1.12E-02	1.05E-02	3.77E-06	1.14E-05	6.59E-06	6.75E-06	6.12E-06	2.79E-06	2.63E-06	1.26E-07	3.04E-06	6.71E-07	9.17E-07	1.45E-06	2.56E-07	1.74E-07	6.64E-06	3.44E-06	1.46E-06	1.72E-06	6.74E-07	3.44E-06	1.46E-06
1325	490858.06	3859690.74	9.97E-03	1.02E-02	9.63E-03	3.45E-06	1.04E-05	6.03E-06	6.18E-06	5.60E-06	2.56E-06	2.41E-06	1.15E-07	2.78E-06	6.14E-07	8.39E-07	1.33E-06	2.35E-07	1.59E-07	6.08E-06	3.15E-06	1.34E-06	1.57E-06	6.17E-07	3.15E-06	1.34E-06
1326	490708.06	3859740.74	2.02E-02	2.06E-02	1.95E-02	6.98E-06	2.11E-05	1.22E-05	1.25E-05	1.13E-05	5.17E-06	4.87E-06	2.33E-07	5.63E-06	1.24E-06	1.70E-06	2.69E-06	4.74E-07	3.21E-07	1.23E-05	6.36E-06	2.70E-06	3.17E-06	1.25E-06	6.36E-06	2.70E-06
1327	490758.06	3859740.74	1.71E-02	1.76E-02	1.66E-02	5.93E-06	1.79E-05	1.04E-05	1.06E-05	9.63E-06	4.39E-06	4.14E-06	1.98E-07	4.79E-06	1.06E-06	1.44E-06	2.29E-06	4.03E-07	2.73E-07	1.04E-05	5.41E-06	2.30E-06	2.70E-06	1.06E-06	5.41E-06	2.30E-06
1328	490808.06	3859740.74	1.48E-02	1.52E-02	1.43E-02	5.12E-06	1.55E-05	8.96E-06	9.17E-06	8.31E-06	3.79E-06	3.58E-06	1.71E-07	4.13E-06	9.12E-07	1.25E-06	1.98E-06	3.48E-07	2.36E-07	9.02E-06	4.67E-06	1.98E-06	2.33E-06	9.16E-07	4.67E-06	1.98E-06
1329	490858.06	3859740.74	1.31E-02	1.34E-02	1.26E-02	4.52E-06	1.36E-05	7.90E-06	8.09E-06	7.33E-06	3.35E-06	3.16E-06	1.51E-07	3.64E-06	8.04E-07	1.10E-06	1.74E-06	3.07E-07	2.08E-07	7.95E-06	4.12E-06	1.75E-06	2.06E-06	8.08E-07	4.12E-06	1.75E-06
1330	490786.56	3859749.39	1.68E-02	1.72E-02	1.62E-02	5.81E-06	1.75E-05	1.02E-05	1.04E-05	9.42E-06	4.30E-06	4.06E-06	1.94E-07	4.68E-06	1.03E-06	1.41E-06	2.24E-06	3.95E-07	2.68E-07	1.02E-05	5.29E-06	2.25E-06	2.64E-06	1.04E-06	5.29E-06	2.25E-06
1331	490836.56	3859749.39	1.45E-02	1.49E-02	1.40E-02	5.03E-06	1.52E-05	8.79E-06	9.01E-06	8.16E-06	3.73E-06	3.51E-06	1.68E-07	4.06E-06	8.95E-07	1.22E-06	1.94E-06	3.42E-07	2.32E-07	8.86E-06	4.59E-06	1.95E-06	2.29E-06	8.99E-07	4.59E-06	1.95E-06
1332	490786.56	3859799.39	2.67E-02	2.73E-02	2.57E-02	9.23E-06	2.79E-05	1.61E-05	1.65E-05	1.50E-05	6.83E-06	6.44E-06	3.08E-07	7.44E-06	1.64E-06	2.24E-06	3.56E-06	6.27E-07	4.25E-07	1.62E-05	8.41E-06	3.57E-06	4.20E-06	1.65E-06	8.41E-06	3.57E-06
1333	490836.56	3859799.39	2.15E-02	2.21E-02	2.08E-02	7.45E-06	2.25E-05	1.30E-05	1.33E-05	1.21E-05	5.52E-06	5.21E-06	2.49E-07	6.01E-06	1.33E-06	1.81E-06	2.87E-06	5.06E-07	3.43E-07	1.31E-05	6.79E-06	2.88E-06	3.39E-06	1.33E-06	6.79E-06	2.88E-06
1334	492307.84	3854508.36	6.49E-04	6.65E-04	6.27E-04	2.25E-07	6.79E-07	3.93E-07	4.02E-07	3.65E-07	1.66E-07	1.57E-07	7.51E-09	1.81E-07	4.00E-08	5.46E-08	8.67E-08	1.53E-08	1.04E-08	3.96E-07	2.05E-07	8.70E-08	1.02E-07	4.02E-08	2.05E-07	8.70E-08
1335	486445.7	3854753.6	9.79E-04	1.00E-03	9.45E-04	3.39E-07	1.02E-06	5.92E-07	6.06E-07	5.50E-07	2.51E-07	2.37E-07	1.13E-08	2.73E-07	6.03E-08	8.23E-08	1.31E-07	2.30E-08	1.56E-08	5.96E-07	3.09E-07	1.31E-07	1.54E-07	6.06E-08	3.09E-07	1.31E-07
1336	472599.75	3877830.11	5.90E-05	6.05E-05	5.70E-05	2.04E-08	6.17E-08	3.57E-08	3.66E-08	3.32E-08	1.51E-08	1.43E-08	6.82E-10	1.65E-08	3.64E-09	4.97E-09	7.88E-09	1.39E-09	9.42E-10	3.60E-08	1.86E-08	7.91E-09	9.30E-09	3.65E-09	1.86E-08	7.91E-09
1337	493107.48	3866840.19	1.28E-04	1.32E-04	1.24E-04	4.44E-08	1.34E-07	7.77E-08	7.96E-08	7.21E-08	3.29E-08	3.10E-08	1.48E-09	3.59E-08	7.91E-09	1.08E-08	1.71E-08	3.02E-09	2.05E-09	7.83E-08	4.05E-08	1.72E-08	2.02E-08	7.95E-09	4.05E-08	1.72E-08
1338	495815.79	3861662.87	5.68E-03	5.82E-03	5.49E-03	1.97E-06	5.93E-06	3.44E-06	3.52E-06	3.19E-06	1.46E-06	1.37E-06	6.56E-08	1.59E-06	3.50E-07	4.78E-07	7.58E-07	1.34E-07	9.06E-08	3.46E-06	1.79E-06	7.60E-07	8.94E-07	3.51E-07	1.79E-06	7.60E-07
1339	480272.33	3841389.2	1.06E-04	1.09E-04	1.03E-04	3.68E-08	1.11E-07	6.43E-08	6.59E-08	5.97E-08	2.72E-08	2.57E-08	1.23E-09	2.97E-08	6.55E-09	8.94E-09	1.42E-08	2.50E-09	1.69E-09	6.48E-08	3.35E-08	1.42E-08	1.67E-08	6.58E-09	3.35E-08	1.42E-08
1340	497005.18	3862813.64	1.97E-03	2.02E-03	1.91E-03	6.84E-07	2.06E-06	1.19E-06	1.22E-06	1.11E-06	5.06E-07	4.77E-07	2.28E-08	5.51E-07	1.22E-07	1.66E-07	2.64E-07	4.65E-08	3.15E-08	1.20E-06	6.23E-07	2.64E-07	3.11E-07	1.22E-07	6.23E-07	2.64E-07
1341	493677.33	3860302.55	2.18E-03	2.23E-03	2.11E-03	7.55E-07	2.28E-06	1.32E-06	1.35E-06	1.22E-06	5.59E-07	5.27E-07	2.52E-08	6.09E-07	1.34E-07	1.83E-07	2.91E-07	5.13E-08	3.48E-08	1.33E-06	6.88E-07	2.92E-07	3.43E-07	1.35E-07	6.88E-07	2.92E-07
1342	493727.33	3860302.55	2.14E-03	2.19E-03	2.07E-03	7.42E-07	2.24E-06	1.30E-06	1.33E-06	1.20E-06	5.49E-07	5.18E-07	2.48E-08	5.98E-07	1.32E-07	1.80E-07	2.86E-07	5.04E-08	3.42E-08	1.31E-06	6.76E-07	2.87E-07	3.38E-07	1.33E-07	6.76E-07	2.87E-07
1343	493777.33	3860302.55	2.10E-03	2.15E-03	2.03E-03	7.28E-07	2.20E-06	1.27E-06	1.30E-06	1.18E-06	5.39E-07	5.09E-07	2.43E-08	5.87E-07	1.30E-07	1.77E-07	2.81E-07	4.95E-08	3.35E-08	1.28E-06	6.64E-07	2.82E-07	3.31E-07	1.30E-07	6.64E-07	2.82E-07
1344	493827.33	3860302.55	2.06E-03	2.11E-03	1.99E-03	7.15E-07	2.16E-06	1.25E-06	1.28E-06	1.16E-06	5.29E-07	4.99E-07	2.39E-08	5.77E-07	1.27E-07	1.74E-07	2.76E-07	4.86E-08	3.29E-08	1.26E-06	6.52E-07	2.76E-07	3.25E-07	1.28E-07	6.52E-07	2.76E-07
1345	493877.33	3860302.55	2.04E-03	2.08E-03	1.97E-03	7.05E-07	2.13E-06	1.23E-06	1.26E-06	1.14E-06	5.22E-07	4.92E-07	2.35E-08	5.68E-07	1.25E-07	1.71E-07	2.72E-07	4.79E-08	3.25E-08	1.24E-06	6.42E-07	2.73E-07	3.21E-07	1.26E-07	6.42E-07	2.73E-07
1346	493927.33	3860302.55	2.01E-03	2.06E-03	1.94E-03	6.96E-07	2.10E-06	1.22E-06	1.25E-06	1.13E-06	5.15E-07	4.86E-07	2.32E-08	5.61E-07	1.24E-07	1.69E-07	2.68E-07	4.73E-08	3.21E-08	1.23E-06	6.34E-07	2.69E-07	3.17E-07	1.24E-07	6.34E-07	2.69E-07
1347	493977.33	3860302.55	1.96E-03	2.00E-03	1.89E-03	6.77E-07	2.05E-06	1.18E-06	1.21E-06	1.10E-06	5.02E-07	4.73E-07	2.26E-08	5.46E-07	1.21E-07	1.65E-07	2.61E-07	4.60E-08	3.12E-08	1.19E-06	6.18E-07	2.62E-07	3.08E-07	1.21E-07	6.18E-07	2.62E-07
1348	494027.33	3860302.55	1.92E-03	1.97E-03	1.86E-03	6.65E-07	2.01E-06	1.16E-06	1.19E-06	1.08E-06	4.92E-07	4.64E-07	2.22E-08	5.36E-07	1.18E-07	1.62E-07	2.56E-07	4.52E-08	3.06E-08	1.17E-06	6.06E-07	2.57E-07	3.02E-07	1.19E-07	6.06E-07	2.57E-07
1349	493677.33	3860352.55	2.25E-03	2.30E-03	2.17E-03	7.78E-07	2.35E-06	1.36E-06	1.39E-06	1.26E-06	5.76E-07	5.43E-07	2.60E-08	6.28E-07	1.38E-07	1.89E-07	3.00E-07	5.29E-08	3.58E-08	1.37E-06	7.09E-07	3.01E-07	3.54E-07	1.39E-07	7.09E-07	3.01E-07
1350	493727.33	3860352.55	2.21E-03	2.27E-03	2.14E-03	7.66E-07	2.31E-06	1.34E-06	1.37E-06	1.24E-06	5.67E-07	5.35E-07	2.56E-08	6.18E-07	1.36E-07	1.86E-07	2.95E-07	5.21E-08	3.53E-08	1.35E-06	6.99E-07	2.96E-07	3.49E-07	1.37E-07	6.99E-07	2.96E-07
1351	493777.33	3860352.55	2.18E-03	2.23E-03	2.11E-03	7.55E-07	2.28E-06	1.32E-06	1.35E-06	1.22E-06	5.59E-07	5.27E-07	2.52E-08	6.09E-07	1.34E-07	1.83E-07	2.91E-07	5.13E-08	3.48E-08	1.33E-06	6.88E-07	2.92E-07	3.43E-07	1.35E-07	6.88E-07	2.92E-07
1352	493827.33	3860352.55	2.14E-03	2.20E-03	2.07E-03	7.42E-07	2.24E-06	1.30E-06	1.33E-06	1.20E-06	5.50E-07	5.19E-07	2.48E-08	5.99E-07	1.32E-07	1.80E-07	2.86E-07	5.04E-08	3.42E-08	1.31E-06	6.77E-07	2.87E-07	3.38E-07	1.33E-07	6.77E-07	2.87E-07
1353	493877.33	3860352.55	2.10E-03	2.16E-03	2.03E-03	7.29E-07	2.20E-06	1.27E-06	1.30E-06	1.18E-06	5.39E-07	5.09E-07	2.43E-08	5.88E-07	1.30E-07	1.77E-07	2.81E-07	4.95E-08	3.36E-08	1.28E-06	6.64E-07	2.82E-07	3.32E-07	1.30E-07	6.64E-07	2.82E-07
1354	493927.33	3860352.55	2.06E-03	2.11E-03	1.99E-03	7.13E-07	2.15E-06	1.25E-06	1.28E-06	1.16E-06	5.28E-07	4.98E-07	2.38E-08	5.75E-07	1.27E-07	1.73E-07	2.75E-07	4.84E-08	3.28E-08	1.25E-06	6.50E-07	2.76E-07	3.24E-07	1.27E-07	6.50E-07	2.76E-07
1355	493977.33	3860352.55	2.01E-03	2.06E-03	1.94E-03	6.96E-07	2.10E-06	1.22E-06	1.25E-06	1.13E-06	5.15E-07	4.86E-07	2.32E-08	5.61E-07	1.24E-07	1.69E-07	2.68E-07	4.73E-08	3.21E-08	1.23E-06	6.34E-07	2.69E-07	3.17E-07	1.24E-07	6.34E-07	2.69E-07
1356	494027.33	3860352.55	1.98E-03	2.03E-03	1.91E-03	6.86E-07	2.07E-06	1.20E-06	1.23E-06	1.11E-06	5.08E-07	4.79E-07	2.29E-08	5.53E-07	1.22E-07	1.67E-07	2.64E-07	4.66E-08	3.16E-08	1.21E-06	6.25E-07	2.65E-07	3.12E-07	1.23E-07	6.25E-07	2.65E-07
1357	493677.33	3860402.55	2.33E-03	2.39E-03	2.25E-03	8.08E-07	2.44E-06	1.41E-06	1.45E-06	1.31E-06	5.98E-07	5.64E-07	2.70E-08	6.52E-07	1.44E-07	1.96E-07	3.11E-07	5.49E-08	3.72E-08	1.42E-06	7.36E-07	3.12E-07	3.68E-07	1.44E-07	7.36E-07	3.12E-07
1358	493727.33	3860402.55	2.30E-03	2.35E-03	2.22E-03	7.95E-07	2.40E-06	1.39E-06	1.42E-06	1.29E-06	5.89E-07	5.55E-07	2.65E-08	6.41E-07	1.41E-07	1.93E-07	3.07E-07	5.40E-08	3.66E-08	1.40E-06	7.25E-07	3.08E-07	3.62E-07	1.42E-07	7.25E-07	3.08E-07
1359	493777.33	3860402.55	2.24E-03	2.29E-03	2.16E-03	7.75E-07	2.34E-06	1.35E-06	1.39E-06	1.26E-06	5.74E-07	5.41E-07	2.59E-08	6.25E-07	1.38E-07	1.88E-07	2.99E-07	5.26E-08	3.57E-08	1.36E-06	7.06E-07	3.00E-07	3.52E-07	1.38E-07	7.06E-07	3.00E-07
1360	493827.33	3860402.55	2.21E-03	2.27E-03	2.14E-03	7.66E-07	2.31E-06	1.34E-06	1.37E-06	1.24E-06	5.67E-07	5.35E-07	2.56E-08	6.18E-07	1.36E-07	1.86E-07	2.95E-07	5.20E-08	3.53E-08	1.35E-06	6.98E-07	2.96E-07	3.49E-07	1.37E-07	6.98E-07	2.96E-07
1361	493877.33	3860402.55	2.18E-03	2.23E-03	2.10E-03	7.54E-07	2.28E-06	1.32E-06	1.35E-06	1.22E-06	5.58E-07	5.27E-07	2.52E-08	6.08E-07	1.34E-07	1.83E-07	2.91E-07	5.12E-08	3.47E-08	1.33E-06	6.88E-07	2.92E-07	3.43E-07	1.35E-07	6.88E-07	2.92E-07
1362	493927.33	3860402.55	2.12E-03	2.18E-03	2.05E-03	7.35E-07	2.22E-06	1.29E-06	1.32E-06	1.19E-06	5.44E-07	5.14E-07	2.45E-08	5.93E-07	1.31E-07	1.79E-07	2.83E-07	5.00E-08	3.39E-08	1.29E-06	6.70E-07	2.84E-07	3.35E-07	1.31E-07	6.70E-07	2.84E-07
1363	493977.33	3860402.55	2.07E-03	2.12E-03	2.00E-03	7.17E-07	2.16E-06	1.25E-06	1.28E-06	1.16E-06	5.31E-07	5.01E-07	2.39E-08	5.78E-07	1.28E-07	1.74E-07	2.76E-07	4.87E-08	3.30E-08	1.26E-06	6.54E-07	2.77E-07	3.26E-07	1.28E-07	6.54E-07	2.77E-07
1364	494027.33	3860402.55	2.04E-03	2.09E-03	1.97E-03	7.08E-07	2.14E-06	1.24E-06	1.27E-06	1.15E-06	5.24E-07	4.94E-07	2.36E-08	5.71E-07	1.26E-07	1.72E-07	2.73E-07	4.81E-08	3.26E-08	1.25E-06	6.45E-07	2.74E-07	3.22E-07	1.27E-07	6.45E-07	2.74E-07
1365	493677.33	3860452.55	2.41E-03	2.47E-03	2.33E-03	8.34E-07	2.52E-06	1.46E-06	1.49E-06	1.35E-06	6.17E-07	5.82E-07	2.78E-08	6.73E-07	1.48E-07	2.03E-07	3.22E-07	5.67E-08	3.84E-08	1.47E-06	7.60E-07	3.23E-07	3.79E-07	1.49E-07	7.60E-07	3.23E-07
1366	493727.33	3860452.55	2.39E-03	2.44E-03	2.30E-03	8.26E-07	2.49E-06	1.44E-06	1.48E-06	1.34E-06	6.11E-07	5.77E-07	2.76E-08	6.66E-07	1.47E-07	2.01E-07	3.18E-07	5.61E-08	3.80E-08	1.45E-06	7.53E-07	3.19E-07	3.76E-07	1.48E-07	7.53E-07	3.19E-07
1367	493777.33	3860452.55	2.34E-03	2.40E-03	2.26E-03	8.11E-07	2.45E-06	1.42E-06	1.45E-06	1.32E-06	6.01E-07	5.67E-07	2.71E-08	6.54E-07	1.44E-07	1.97E-07	3.13E-07	5.51E-08	3.74E-08	1.43E-06	7.40E-07	3.14E-07	3.69E-07	1.45E-07	7.40E-07	3.14E-07
1368	493827.33	3860452.55	2.29E-03	2.35E-03	2.21E-03	7.93E-07	2.40E-06	1.39E-06	1.42E-06	1.29E-06	5.88E-07	5.54E-07	2.65E-08	6.40E-07	1.41E-07	1.93E-07	3.06E-07	5.39E-08	3.66E-08	1.40E-06	7.23E-07	3.07E-07	3.61E-07	1.42E-07	7.23E-07	3.07E-07
1369	493877.33	3860452.55	2.24E-03	2.30E-03	2.17E-03	7.77E-07	2.35E-06	1.36E-06	1.39E-06	1.26E-06	5.75E-07	5.43E-07	2.59E-08	6.27E-07	1.38E-07	1.89E-07	3.00E-07	5.28E-08	3.58E-08	1.37E-06	7.08E-07	3.01E-07	3.54E-07	1.39E-07	7.08E-07	3.01E-07
1370	493927.33	3860452.55	2.18E-03	2.24E-03	2.11E-03	7.56E-07	2.28E-06	1.32E-06	1.35E-06	1.23E-06	5.60E-07	5.28E-07	2.52E-08	6.09E-07	1.34E-07	1.84E-07	2.91E-07	5.13E-08	3.48E-08	1.33E-06	6.89E-07	2.92E-07	3.44E-07	1.35E-07	6.89E-07	2.92E-07
1371	493977.33	3860452.55	2.15E-03	2.20E-03	2.08E-03	7.44E-07	2.25E-06	1.30E-06	1.33E-06	1.21E-06	5.51E-07	5.20E-07	2.48E-08	6.00E-07	1.32E-07	1.81E-07	2.87E-07	5.06E-08	3.43E-08	1.31E-06	6.78E-07	2.88E-07	3.39E-07	1.33E-07	6.78E-07	2.88E-07
1372	494027.33	3860452.55	2.12E-03	2.17E-03	2.04E-03	7.33E-07	2.21E-06	1.28E-06	1.31E-06	1.19E-06	5.43E-07	5.12E-07	2.45E-08	5.91E-07	1.30E-07	1.78E-07	2.82E-07	4.98E-08	3.38E-08	1.29E-06	6.68E-07	2.83E-07	3.33E-07	1.31E-07	6.68E-07	2.83E-07
1373	493677.33	3860502.55	2.50E-03	2.56E-03	2.41E-03	8.64E-07	2.61E-06	1.51E-06	1.55E-06	1.40E-06	6.40E-07	6.03E-07	2.88E-08	6.97E-07	1.54E-07	2.10E-07	3.33E-07	5.87E-08	3.98E-08	1.52E-06	7.88E-07	3.34E-07	3.93E-07	1.54E-07	7.88E-07	3.34E-07
1374	493727.33	3860502.55	2.46E-03	2.52E-03	2.38E-03	8.53E-07	2.58E-06	1.49E-06	1.53E-06	1.38E-06	6.32E-07	5.96E-07	2.85E-08	6.88E-07	1.52E-07	2.07E-07	3.29E-07	5.80E-08	3.93E-08	1.50E-06	7.78E-07	3.30E-07	3.88E-07	1.53E-07	7.78E-07	3.30E-07
1375	493777.33	3860502.55	2.42E-03	2.48E-03	2.34E-03	8.38E-07	2.53E-06	1.46E-06	1.50E-06	1.36E-06	6.20E-07	5.85E-07	2.80E-08	6.76E-07	1.49E-07	2.04E-07	3.23E-07	5.69E-08	3.86E-08	1.48E-06	7.64E-07	3.24E-07	3.81E-07	1.50E-07	7.64E-07	3.24E-07
1376	493827.33	3860502.55	2.38E-03	2.44E-03	2.30E-03	8.24E-07	2.49E-06	1.44E-06	1.47E-06	1.34E-06	6.10E-07	5.75E-07	2.75E-08	6.64E-07	1.47E-07	2.00E-07	3.18E-07	5.60E-08	3.79E-08	1.45E-06	7.51E-07	3.19E-07	3.75E-07	1.47E-07	7.51E-07	3.19E-07
1377	493877.33	3860502.55	2.32E-03	2.38E-03	2.25E-03	8.05E-07	2.43E-06	1.41E-06	1.44E-06	1.31E-06	5.96E-07	5.62E-07	2.69E-08	6.49E-07	1.43E-07	1.96E-07	3.10E-07	5.47E-08	3.71E-08	1.42E-06	7.34E-07	3.11E-07	3.66E-07	1.44E-07	7.34E-07	3.11E-07
1378	493927.33	3860502.55	2.27E-03	2.32E-03	2.19E-03	7.85E-07	2.37E-06	1.37E-06	1.40E-06	1.27E-06	5.81E-07	5.48E-07	2.62E-08	6.33E-07	1.40E-07	1.91E-07	3.03E-07	5.33E-08	3.62E-08	1.38E-06	7.15E-07	3.04E-07	3.57E-07	1.40E-07	7.15E-07	3.04E-07
1379	493977.33	3860502.55	2.23E-03	2.29E-03	2.16E-03	7.73E-07	2.34E-06	1.35E-06	1.38E-06	1.26E-06	5.73E-07	5.40E-07	2.58E-08	6.24E-07	1.38E-07	1.88E-07	2.98E-07	5.26E-08	3.56E-08	1.36E-06	7.05E-07	2.99E-07	3.52E-07	1.38E-07	7.05E-07	2.99E-07

1380	494027.33	3860502.55	2.20E-03	2.25E-03	2.12E-03	7.61E-07	2.30E-06	1.33E-06	1.36E-06	1.23E-06	5.63E-07	5.31E-07	2.54E-08	6.14E-07	1.35E-07	1.85E-07	2.93E-07	5.17E-08	3.50E-08	1.34E-06	6.94E-07	2.94E-07	3.46E-07	1.36E-07	6.94E-07	2.94E-07
1381	493627.33	3860552.55	2.64E-03	2.71E-03	2.55E-03	9.15E-07	2.76E-06	1.60E-06	1.64E-06	1.48E-06	6.77E-07	6.39E-07	3.05E-08	7.38E-07	1.63E-07	2.22E-07	3.53E-07	6.21E-08	4.21E-08	1.61E-06	8.34E-07	3.54E-07	4.16E-07	1.63E-07	8.34E-07	3.54E-07
1382	493677.33	3860552.55	2.60E-03	2.67E-03	2.52E-03	9.02E-07	2.72E-06	1.58E-06	1.61E-06	1.46E-06	6.68E-07	6.30E-07	3.01E-08	7.27E-07	1.60E-07	2.19E-07	3.48E-07	6.13E-08	4.15E-08	1.59E-06	8.22E-07	3.49E-07	4.10E-07	1.61E-07	8.22E-07	3.49E-07
1383	493727.33	3860552.55	2.57E-03	2.63E-03	2.48E-03	8.88E-07	2.68E-06	1.55E-06	1.59E-06	1.44E-06	6.58E-07	6.20E-07	2.97E-08	7.16E-07	1.58E-07	2.16E-07	3.42E-07	6.03E-08	4.09E-08	1.56E-06	8.10E-07	3.43E-07	4.04E-07	1.59E-07	8.10E-07	3.43E-07
1384	493777.33	3860552.55	2.51E-03	2.58E-03	2.43E-03	8.71E-07	2.63E-06	1.52E-06	1.56E-06	1.41E-06	6.45E-07	6.08E-07	2.91E-08	7.02E-07	1.55E-07	2.12E-07	3.36E-07	5.92E-08	4.01E-08	1.53E-06	7.94E-07	3.37E-07	3.96E-07	1.56E-07	7.94E-07	3.37E-07
1385	493827.33	3860552.55	2.46E-03	2.52E-03	2.37E-03	8.51E-07	2.57E-06	1.49E-06	1.52E-06	1.38E-06	6.30E-07	5.94E-07	2.84E-08	6.86E-07	1.51E-07	2.07E-07	3.28E-07	5.78E-08	3.92E-08	1.50E-06	7.76E-07	3.29E-07	3.87E-07	1.52E-07	7.76E-07	3.29E-07
1386	493877.33	3860552.55	2.42E-03	2.48E-03	2.34E-03	8.37E-07	2.53E-06	1.46E-06	1.50E-06	1.36E-06	6.20E-07	5.85E-07	2.80E-08	6.75E-07	1.49E-07	2.04E-07	3.23E-07	5.69E-08	3.86E-08	1.47E-06	7.63E-07	3.24E-07	3.81E-07	1.50E-07	7.63E-07	3.24E-07
1387	493927.33	3860552.55	2.37E-03	2.42E-03	2.29E-03	8.19E-07	2.47E-06	1.43E-06	1.47E-06	1.33E-06	6.07E-07	5.72E-07	2.74E-08	6.61E-07	1.46E-07	1.99E-07	3.16E-07	5.57E-08	3.78E-08	1.44E-06	7.47E-07	3.17E-07	3.73E-07	1.47E-07	7.47E-07	3.17E-07
1388	493977.33	3860552.55	2.31E-03	2.37E-03	2.24E-03	8.01E-07	2.42E-06	1.40E-06	1.43E-06	1.30E-06	5.93E-07	5.60E-07	2.68E-08	6.46E-07	1.43E-07	1.95E-07	3.09E-07	5.44E-08	3.69E-08	1.41E-06	7.30E-07	3.10E-07	3.65E-07	1.43E-07	7.30E-07	3.10E-07
1389	494027.33	3860552.55	2.28E-03	2.34E-03	2.20E-03	7.90E-07	2.38E-06	1.38E-06	1.41E-06	1.28E-06	5.85E-07	5.52E-07	2.64E-08	6.37E-07	1.41E-07	1.92E-07	3.05E-07	5.37E-08	3.64E-08	1.39E-06	7.20E-07	3.06E-07	3.59E-07	1.41E-07	7.20E-07	3.06E-07
1390	493627.33	3860602.55	2.75E-03	2.81E-03	2.65E-03	9.51E-07	2.87E-06	1.66E-06	1.70E-06	1.54E-06	7.04E-07	6.64E-07	3.18E-08	7.67E-07	1.69E-07	2.31E-07	3.67E-07	6.46E-08	4.38E-08	1.67E-06	8.67E-07	3.68E-07	4.33E-07	1.70E-07	8.67E-07	3.68E-07
1391	493727.33	3860602.55	2.68E-03	2.74E-03	2.59E-03	9.27E-07	2.80E-06	1.62E-06	1.66E-06	1.50E-06	6.86E-07	6.47E-07	3.09E-08	7.48E-07	1.65E-07	2.25E-07	3.57E-07	6.30E-08	4.27E-08	1.63E-06	8.45E-07	3.59E-07	4.22E-07	1.66E-07	8.45E-07	3.59E-07
1392	493777.33	3860602.55	2.61E-03	2.67E-03	2.52E-03	9.04E-07	2.73E-06	1.58E-06	1.62E-06	1.47E-06	6.69E-07	6.31E-07	3.02E-08	7.29E-07	1.61E-07	2.20E-07	3.48E-07	6.14E-08	4.16E-08	1.59E-06	8.24E-07	3.50E-07	4.11E-07	1.62E-07	8.24E-07	3.50E-07
1393	493827.33	3860602.55	2.56E-03	2.62E-03	2.48E-03	8.87E-07	2.68E-06	1.55E-06	1.59E-06	1.44E-06	6.57E-07	6.19E-07	2.96E-08	7.15E-07	1.58E-07	2.16E-07	3.42E-07	6.03E-08	4.09E-08	1.56E-06	8.09E-07	3.43E-07	4.04E-07	1.59E-07	8.09E-07	3.43E-07
1394	493877.33	3860602.55	2.50E-03	2.56E-03	2.42E-03	8.66E-07	2.62E-06	1.51E-06	1.55E-06	1.41E-06	6.42E-07	6.05E-07	2.89E-08	6.99E-07	1.54E-07	2.11E-07	3.34E-07	5.89E-08	3.99E-08	1.53E-06	7.90E-07	3.35E-07	3.94E-07	1.55E-07	7.90E-07	3.35E-07
1395	493927.33	3860602.55	2.45E-03	2.51E-03	2.37E-03	8.50E-07	2.57E-06	1.49E-06	1.52E-06	1.38E-06	6.29E-07	5.93E-07	2.84E-08	6.85E-07	1.51E-07	2.07E-07	3.28E-07	5.77E-08	3.91E-08	1.50E-06	7.75E-07	3.29E-07	3.87E-07	1.52E-07	7.75E-07	3.29E-07
1396	493977.33	3860602.55	2.41E-03	2.46E-03	2.32E-03	8.33E-07	2.51E-06	1.46E-06	1.49E-06	1.35E-06	6.17E-07	5.82E-07	2.78E-08	6.72E-07	1.48E-07	2.02E-07	3.21E-07	5.66E-08	3.84E-08	1.47E-06	7.59E-07	3.22E-07	3.79E-07	1.49E-07	7.59E-07	3.22E-07
1397	494027.33	3860602.55	2.37E-03	2.43E-03	2.29E-03	8.22E-07	2.48E-06	1.44E-06	1.47E-06	1.33E-06	6.09E-07	5.74E-07	2.74E-08	6.63E-07	1.46E-07	2.00E-07	3.17E-07	5.59E-08	3.79E-08	1.45E-06	7.49E-07	3.18E-07	3.74E-07	1.47E-07	7.49E-07	3.18E-07
1398	493627.33	3860652.55	2.87E-03	2.94E-03	2.77E-03	9.94E-07	3.00E-06	1.74E-06	1.78E-06	1.61E-06	7.36E-07	6.94E-07	3.32E-08	8.02E-07	1.77E-07	2.42E-07	3.83E-07	6.76E-08	4.58E-08	1.75E-06	9.06E-07	3.85E-07	4.52E-07	1.78E-07	9.06E-07	3.85E-07
1399	493727.33	3860652.55	2.79E-03	2.86E-03	2.69E-03	9.66E-07	2.92E-06	1.69E-06	1.73E-06	1.57E-06	7.15E-07	6.74E-07	3.22E-08	7.79E-07	1.72E-07	2.35E-07	3.72E-07	6.56E-08	4.45E-08	1.70E-06	8.80E-07	3.74E-07	4.39E-07	1.73E-07	8.80E-07	3.74E-07
1400	493777.33	3860652.55	2.73E-03	2.79E-03	2.63E-03	9.44E-07	2.85E-06	1.65E-06	1.69E-06	1.53E-06	6.99E-07	6.59E-07	3.15E-08	7.61E-07	1.68E-07	2.29E-07	3.64E-07	6.41E-08	4.35E-08	1.66E-06	8.60E-07	3.65E-07	4.29E-07	1.69E-07	8.60E-07	3.65E-07
1401	493827.33	3860652.55	2.67E-03	2.73E-03	2.58E-03	9.23E-07	2.79E-06	1.61E-06	1.65E-06	1.50E-06	6.83E-07	6.44E-07	3.08E-08	7.44E-07	1.64E-07	2.24E-07	3.56E-07	6.27E-08	4.25E-08	1.62E-06	8.41E-07	3.57E-07	4.20E-07	1.65E-07	8.41E-07	3.57E-07
1402	493877.33	3860652.55	2.60E-03	2.66E-03	2.51E-03	9.01E-07	2.72E-06	1.57E-06	1.61E-06	1.46E-06	6.67E-07	6.29E-07	3.01E-08	7.27E-07	1.60E-07	2.19E-07	3.47E-07	6.12E-08	4.15E-08	1.59E-06	8.21E-07	3.48E-07	4.10E-07	1.61E-07	8.21E-07	3.48E-07
1403	493927.33	3860652.55	2.55E-03	2.62E-03	2.47E-03	8.84E-07	2.67E-06	1.54E-06	1.58E-06	1.43E-06	6.54E-07	6.17E-07	2.95E-08	7.13E-07	1.57E-07	2.15E-07	3.41E-07	6.01E-08	4.07E-08	1.56E-06	8.06E-07	3.42E-07	4.02E-07	1.58E-07	8.06E-07	3.42E-07
1404	493977.33	3860652.55	2.51E-03	2.57E-03	2.42E-03	8.69E-07	2.62E-06	1.52E-06	1.55E-06	1.41E-06	6.43E-07	6.07E-07	2.90E-08	7.01E-07	1.55E-07	2.11E-07	3.35E-07	5.90E-08	4.00E-08	1.53E-06	7.92E-07	3.36E-07	3.95E-07	1.55E-07	7.92E-07	3.36E-07
1405	494027.33	3860652.55	2.46E-03	2.52E-03	2.37E-03	8.50E-07	2.57E-06	1.49E-06	1.52E-06	1.38E-06	6.30E-07	5.94E-07	2.84E-08	6.86E-07	1.51E-07	2.07E-07	3.28E-07	5.78E-08	3.92E-08	1.50E-06	7.75E-07	3.29E-07	3.87E-07	1.52E-07	7.75E-07	3.29E-07
1406	494311.06	3858401.99	6.85E-04	7.01E-04	6.62E-04	2.37E-07	7.16E-07	4.14E-07	4.24E-07	3.85E-07	1.76E-07	1.66E-07	7.92E-09	1.91E-07	4.22E-08	5.76E-08	9.14E-08	1.61E-08	1.09E-08	4.17E-07	2.16E-07	9.17E-08	1.08E-07	4.24E-08	2.16E-07	9.17E-08
1407	494361.06	3858401.99	6.79E-04	6.95E-04	6.56E-04	2.35E-07	7.10E-07	4.11E-07	4.21E-07	3.81E-07	1.74E-07	1.64E-07	7.85E-09	1.90E-07	4.18E-08	5.71E-08	9.06E-08	1.60E-08	1.08E-08	4.14E-07	2.14E-07	9.09E-08	1.07E-07	4.20E-08	2.14E-07	9.09E-08
1408	494411.06	3858401.99	6.73E-04	6.89E-04	6.50E-04	2.33E-07	7.03E-07	4.07E-07	4.17E-07	3.78E-07	1.73E-07	1.63E-07	7.78E-09	1.88E-07	4.15E-08	5.66E-08	8.98E-08	1.58E-08	1.07E-08	4.10E-07	2.12E-07	9.01E-08	1.06E-07	4.17E-08	2.12E-07	9.01E-08
1409	494461.06	3858401.99	6.70E-04	6.86E-04	6.47E-04	2.32E-07	7.00E-07	4.05E-07	4.15E-07	3.76E-07	1.72E-07	1.62E-07	7.75E-09	1.87E-07	4.13E-08	5.64E-08	8.94E-08	1.58E-08	1.07E-08	4.08E-07	2.11E-07	8.97E-08	1.06E-07	4.15E-08	2.11E-07	8.97E-08
1410	494511.06	3858401.99	6.66E-04	6.82E-04	6.43E-04	2.30E-07	6.96E-07	4.03E-07	4.13E-07	3.74E-07	1.71E-07	1.61E-07	7.69E-09	1.86E-07	4.10E-08	5.60E-08	8.88E-08	1.57E-08	1.06E-08	4.06E-07	2.10E-07	8.91E-08	1.05E-07	4.12E-08	2.10E-07	8.91E-08
1411	494561.06	3858401.99	6.63E-04	6.79E-04	6.40E-04	2.29E-07	6.93E-07	4.01E-07	4.11E-07	3.72E-07	1.70E-07	1.60E-07	7.66E-09	1.85E-07	4.08E-08	5.58E-08	8.85E-08	1.56E-08	1.06E-08	4.04E-07	2.09E-07	8.87E-08	1.04E-07	4.10E-08	2.09E-07	8.87E-08
1412	494611.06	3858401.99	6.57E-04	6.73E-04	6.35E-04	2.27E-07	6.86E-07	3.97E-07	4.07E-07	3.69E-07	1.68E-07	1.59E-07	7.59E-09	1.83E-07	4.05E-08	5.53E-08	8.77E-08	1.54E-08	1.05E-08	4.00E-07	2.07E-07	8.79E-08	1.03E-07	4.06E-08	2.07E-07	8.79E-08
1413	494661.06	3858401.99	6.52E-04	6.68E-04	6.30E-04	2.26E-07	6.82E-07	3.95E-07	4.04E-07	3.66E-07	1.67E-07	1.58E-07	7.54E-09	1.82E-07	4.02E-08	5.49E-08	8.71E-08	1.53E-08	1.04E-08	3.98E-07	2.06E-07	8.74E-08	1.03E-07	4.04E-08	2.06E-07	8.74E-08
1414	494711.06	3858401.99	6.46E-04	6.62E-04	6.25E-04	2.24E-07	6.76E-07	3.91E-07	4.01E-07	3.63E-07	1.66E-07	1.56E-07	7.47E-09	1.80E-07	3.98E-08	5.44E-08	8.63E-08	1.52E-08	1.03E-08	3.94E-07	2.04E-07	8.66E-08	1.02E-07	4.00E-08	2.04E-07	8.66E-08
1415	494761.06	3858401.99	6.43E-04	6.59E-04	6.22E-04	2.23E-07	6.73E-07	3.89E-07	3.99E-07	3.61E-07	1.65E-07	1.56E-07	7.44E-09	1.80E-07	3.96E-08	5.41E-08	8.59E-08	1.51E-08	1.03E-08	3.92E-07	2.03E-07	8.62E-08	1.01E-07	3.98E-08	2.03E-07	8.62E-08
1416	494811.06	3858401.99	6.39E-04	6.55E-04	6.17E-04	2.21E-07	6.68E-07	3.87E-07	3.96E-07	3.59E-07	1.64E-07	1.55E-07	7.39E-09	1.78E-07	3.94E-08	5.38E-08	8.53E-08	1.50E-08	1.02E-08	3.89E-07	2.02E-07	8.56E-08	1.01E-07	3.96E-08	2.02E-07	8.56E-08
1417	494861.06	3858401.99	6.35E-04	6.50E-04	6.13E-04	2.20E-07	6.63E-07	3.84E-07	3.93E-07	3.57E-07	1.63E-07	1.53E-07	7.34E-09	1.77E-07	3.91E-08	5.34E-08	8.47E-08	1.49E-08	1.01E-08	3.87E-07	2.00E-07	8.50E-08	1.00E-07	3.93E-08	2.00E-07	8.50E-08
1418	494911.06	3858401.99	6.30E-04	6.45E-04	6.09E-04	2.18E-07	6.59E-07	3.81E-07	3.91E-07	3.54E-07	1.62E-07	1.52E-07	7.28E-09	1.76E-07	3.88E-08	5.30E-08	8.41E-08	1.48E-08	1.01E-08	3.84E-07	1.99E-07	8.44E-08	9.93E-08	3.90E-08	1.99E-07	8.44E-08
1419	494961.06	3858401.99	6.26E-04	6.41E-04	6.05E-04	2.17E-07	6.54E-07	3.79E-07	3.88E-07	3.52E-07	1.60E-07	1.51E-07	7.23E-09	1.75E-07	3.86E-08	5.27E-08	8.35E-08	1.47E-08	9.98E-09	3.81E-07	1.98E-07	8.38E-08	9.86E-08	3.87E-08	1.98E-07	8.38E-08
1420	495011.06	3858401.99	6.21E-04	6.36E-04	6.00E-04	2.15E-07	6.49E-07	3.76E-07	3.85E-07	3.49E-07	1.59E-07	1.50E-07	7.18E-09	1.73E-07	3.83E-08	5.23E-08	8.29E-08	1.46E-08	9.91E-09	3.79E-07	1.96E-07	8.32E-08	9.79E-08	3.85E-08	1.96E-07	8.32E-08
1421	495061.06	3858401.99	6.17E-04	6.32E-04	5.96E-04	2.14E-07	6.45E-07	3.73E-07	3.82E-07	3.47E-07	1.58E-07	1.49E-07	7.13E-09	1.72E-07	3.80E-08	5.19E-08	8.23E-08	1.45E-08	9.84E-09	3.76E-07	1.95E-07	8.26E-08	9.72E-08	3.82E-08	1.95E-07	8.26E-08
1422	495111.06	3858401.99	6.10E-04	6.24E-04	5.89E-04	2.11E-07	6.37E-07	3.69E-07	3.78E-07	3.42E-07	1.56E-07	1.47E-07	7.05E-09	1.70E-07	3.76E-08	5.13E-08	8.14E-08	1.43E-08	9.72E-09	3.72E-07	1.92E-07	8.16E-08	9.60E-08	3.77E-08	1.92E-07	8.16E-08
1423	495161.06	3858401.99	6.07E-04	6.21E-04	5.86E-04	2.10E-07	6.34E-07	3.67E-07	3.76E-07	3.41E-07	1.55E-07	1.47E-07	7.01E-09	1.69E-07	3.74E-08	5.10E-08	8.10E-08	1.43E-08	9.67E-09	3.70E-07	1.91E-07	8.12E-08	9.56E-08	3.75E-08	1.91E-07	8.12E-08
1424	495211.06	3858401.99	6.01E-04	6.15E-04	5.80E-04	2.08E-07	6.28E-07	3.63E-07	3.72E-07	3.37E-07	1.54E-07	1.45E-07	6.94E-09	1.68E-07	3.70E-08	5.05E-08	8.02E-08	1.41E-08	9.58E-09	3.66E-07	1.90E-07	8.04E-08	9.46E-08	3.72E-08	1.90E-07	8.04E-08
1425	495261.06	3858401.99	5.96E-04	6.11E-04	5.76E-04	2.06E-07	6.23E-07	3.61E-07	3.70E-07	3.35E-07	1.53E-07	1.44E-07	6.89E-09	1.66E-07	3.67E-08	5.02E-08	7.96E-08	1.40E-08	9.51E-09	3.63E-07	1.88E-07	7.98E-08	9.39E-08	3.69E-08	1.88E-07	7.98E-08
1426	495311.06	3858401.99	5.93E-04	6.08E-04	5.73E-04	2.05E-07	6.20E-07	3.59E-07	3.68E-07	3.33E-07	1.52E-07	1.43E-07	6.86E-09	1.66E-07	3.66E-08	4.99E-08	7.92E-08	1.40E-08	9.46E-09	3.62E-07	1.87E-07	7.94E-08	9.35E-08	3.67E-08	1.87E-07	7.94E-08
1427	495361.06	3858401.99	5.90E-04	6.05E-04	5.70E-04	2.04E-07	6.17E-07	3.57E-07	3.66E-07	3.32E-07	1.51E-07	1.43E-07	6.82E-09	1.65E-07	3.64E-08	4.97E-08	7.88E-08	1.39E-08	9.42E-09	3.60E-07	1.86E-07	7.91E-08	9.30E-08	3.65E-08	1.86E-07	7.91E-08
1428	495411.06	3858401.99	5.87E-04	6.02E-04	5.67E-04	2.03E-07	6.14E-07	3.55E-07	3.64E-07	3.30E-07	1.51E-07	1.42E-07	6.79E-09	1.64E-07	3.62E-08	4.94E-08	7.84E-08	1.38E-08	9.37E-09	3.58E-07	1.85E-07	7.87E-08	9.25E-08	3.64E-08	1.85E-07	7.87E-08
1429	495461.06	3858401.99	5.86E-04	6.00E-04	5.66E-04	2.03E-07	6.12E-07	3.55E-07	3.63E-07	3.29E-07	1.50E-07	1.42E-07	6.77E-09	1.64E-07	3.61E-08	4.93E-08	7.82E-08	1.38E-08	9.34E-09	3.57E-07	1.85E-07	7.85E-08	9.23E-08	3.63E-08	1.85E-07	7.85E-08
1430	495511.06	3858401.99	5.84E-04	5.99E-04	5.65E-04	2.02E-07	6.11E-07	3.54E-07	3.62E-07	3.28E-07	1.50E-07	1.41E-07	6.76E-09	1.63E-07	3.60E-08	4.92E-08	7.80E-08	1.37E-08	9.32E-09	3.56E-07	1.84E-07	7.83E-08	9.21E-08	3.62E-08	1.84E-07	7.83E-08
1431	495561.06	3858401.99	5.80E-04	5.94E-04	5.60E-04	2.01E-07	6.06E-07	3.51E-07	3.59E-07	3.26E-07	1.49E-07	1.40E-07	6.70E-09	1.62E-07	3.57E-08	4.88E-08	7.74E-08	1.36E-08	9.25E-09	3.54E-07	1.83E-07	7.77E-08	9.14E-08	3.59E-08	1.83E-07	7.77E-08
1432	495611.06	3858401.99	5.79E-04	5.93E-04	5.59E-04	2.00E-07	6.05E-07	3.50E-07	3.59E-07	3.25E-07	1.48E-07	1.40E-07	6.69E-09	1.62E-07	3.56E-08	4.87E-08	7.72E-08	1.36E-08	9.23E-09	3.53E-07	1.83E-07	7.75E-08	9.11E-08	3.58E-08	1.83E-07	7.75E-08
1433	495661.06	3858401.99	5.80E-04	5.94E-04	5.60E-04	2.01E-07	6.06E-07	3.51E-07	3.59E-07	3.26E-07	1.49E-07	1.40E-07	6.70E-09	1.62E-07	3.57E-08	4.88E-08	7.74E-08	1.36E-08	9.25E-09	3.54E-07	1.83E-07	7.77E-08	9.14E-08	3.59E-08	1.83E-07	7.77E-08
1434	494311.06	3858451.99	7.01E-04	7.18E-04	6.77E-04	2.43E-07	7.33E-07	4.24E-07	4.34E-07	3.94E-07	1.80E-07	1.70E-07	8.10E-09	1.96E-07	4.32E-08	5.90E-08	9.36E-08	1.65E-08	1.12E-08	4.27E-07	2.21E-07	9.39E-08	1.10E-07	4.34E-08	2.21E-07	9.39E-08
1435	494361.06	3858451.99	6.95E-04	7.12E-04	6.72E-04	2.41E-07	7.27E-07	4.21E-07	4.31E-07	3.91E-07	1.78E-07	1.68E-07	8.04E-09	1.94E-07	4.28E-08	5.85E-08	9.28E-08	1.64E-08	1.11E-08	4.24E-07	2.19E-07	9.31E-08	1.10E-07	4.30E-08	2.19E-07	9.31E-08
1436	494411.06	3858451.99	6.91E-04	7.07E-04	6.67E-04	2.39E-07	7.22E-07	4.18E-07	4.28E-07	3.88E-07	1.77E-07	1.67E-07	7.98E-09	1.93E-07	4.26E-08	5.81E-08	9.22E-08	1.62E-08	1.10E-08	4.21E-07	2.18E-07	9.25E-08	1.09E-07	4.27E-08	2.18E-07	9.25E-08
1437	494461.06	3858451.99	6.85E-04	7.01E-04	6.62E-04	2.37E-07	7.16E-07	4.14E-07	4.24E-07	3.85E-07	1.76E-07	1.66E-07	7.92E-09	1.91E-07	4.22E-08	5.76E-08	9.14E-08	1.61E-08	1.09E-08	4.17E-07	2.16E-07	9.17E-08	1.08E-07	4.24E-08	2.16E-07	9.17E-08
1438	494511.06	3858451.99	6.82E-04	6.98E-04	6.59E-04	2.36E-07	7.13E-07	4.13E-07	4.23E-07	3.83E-07	1.75E-07	1.65E-07	7.88E-09	1.90E-07	4.20E-08	5.74E-08	9.10E-08	1.60E-08	1.09E-08	4.16E-07	2.15E-07	9.13E-08	1.07E-07	4.22E-08	2.15E-07	9.13E-08
1439	494561.06	3858451.99	6.76E-04	6.92E-04	6.53E-04	2.34E-07	7.07E-07	4.09E-07	4.19E-07	3.80E-07	1.73E-07	1.63E-07	7.81E-09	1.89E-07	4.16E-08	5.69E-08	9.02E-08	1.59E-08	1.08E-08	4.12E-07	2.13E-07	9.05E-08	1.06E-07	4.18E-08	2.13E-07	9.05E-08
1440	494611.06	3858451.99	6.72E-04	6.88E-04	6.49E-04	2.32E-07	7.02E-07	4.06E-07	4.16E-07	3.77E-07	1.72E-07	1.62E-07	7.76E-09	1.88E-07	4.14E-08	5.65E-08	8.96E-08	1.58E-08	1.07E-08	4.09E-07	2.12E-07	8.99E-08	1.06E-07	4.16E-08	2.12E-07	8.99E-08
1441	494661.06	3858451.99	6.67E-04	6.83E-04	6.44E-04	2.31E-07	6.97E-07	4.04E-07	4.13E-07	3.75E-07	1.71E-07	1.61E-07	7.71E-09	1.86E-07	4.11E-08	5.61E-08	8.90E-08	1.57E-08	1.06E-08	4.07E-07	2.11E-07	8.93E-08	1.05E-07	4.13E-08	2.11E-07	8.93E-08
1442	494711.06	3858451.99	6.61E-04	6.77E-04	6.39E-04	2.29E-07	6.91E-07	4.00E-07	4.10E-07	3.71E-07	1.69E-07	1.60E-07	7.64E-09	1.85E-07	4.07E-08	5.56E-08	8.83E-08	1.56E-08	1.05E-08	4.03E-07	2.09E-07	8.85E-08	1.04E-07	4.09E-08	2.09E-07	8.85E-08
1443	494761.06	3858451.99	6.57E-04	6.73E-04	6.35E-04	2.27E-07	6.86E-07	3.97E-07	4.07E-07	3.69E-07	1.68E-07	1.59E-07	7.59E-09	1.83E-07	4.05E-08	5.53E-08	8.77E-08	1.54E-08	1.05E-08	4.00E-07	2.07E-07	8.79E-08	1.03E-07	4.06E-08	2.07E-07	8.79E-08
1444	494811.06	3858451.99	6.52E-04	6.68E-04	6.30E-04	2.26E-07	6.82E-07	3.95E-07	4.04E-07	3.66E-07	1.67E-07	1.58E-07	7.54E-09	1.82E-07	4.02E-08	5.49E-08	8.71E-08	1.53E-08	1.04E-08	3.98E-07	2.06E-07	8.74E-08	1.03E-07	4.04E-08	2.06E-07	8.74E-08
1445	494861.06	3858451.99	6.46E-04	6.62E-04	6.25E-04	2.24E-07	6.76E-07	3.91E-07	4.01E-07	3.63E-07	1.66E-07	1.56E-07	7.47E-09	1.80E-07	3.98E-08	5.44E-08	8.63E-08	1.52E-08	1.03E-08	3.94E-07	2.04E-07	8.66E-08	1.02E-07	4.00E-08	2.04E-07	8.66E-08
1446	494911.06	3858451.99	6.41E-04	6.56E-04	6.19E-04	2.22E-07	6.69E-07	3.88E-07	3.97E-07	3.60E-07	1.64E-07	1.55E-07	7.40E-09	1.79E-07	3.95E-08	5.39E-08	8.55E-08	1.51E-08	1.02E-08	3.90E-07	2.02E-07	8.58E-08	1.01E-07	3.96E-08	2.02E-07	8.58E-08
1447	494961.06	3858451.99	6.36E-04	6.52E-04	6.15E-04	2.20E-07	6.65E-07	3.85E-07	3.94E-07	3.57E-07	1.63E-07	1.54E-07	7.35E-09	1.78E-07	3.92E-08	5.35E-08	8.49E-08	1.50E-08	1.01E-08	3.88E-07	2.01E-07	8.52E-08	1.00E-07	3.94E-08	2.01E-07	8.52E-08
1448	495011.06	3858451.99	6.30E-04	6.45E-04	6.09E-04	2.18E-07	6.59E-07	3.81E-07	3.91E-07	3.54E-07	1.62E-07	1.52E-07	7.28E-09	1.76E-07	3.88E-08	5.30E-08	8.41E-08	1.48E-08	1.01E-08	3.84E-07	1.99E-07	8.44E-08	9.93E-08	3.90E-08	1.99E-07	8.44E-08
1449	495061.06	3858451.99	6.27E-04	6.42E-04	6.06E-04	2.17E-07	6.56E-07	3.80E-07	3.89E-07	3.52E-07	1.61E-07	1.52E-07	7.25E-09	1.75E-07	3.86E-08	5.28E-08	8.37E-08	1.48E-08	1.00E-08	3.82E-07	1.98E-07	8.40E-08	9.88E-08	3.88E-08	1.98E-07	8.40E-08
1450	495111.06	3858451.99	6.21E-04	6.36E-04	6.00E-04	2.15E-07	6.49E-07	3.76E-07	3.85E-07	3.49E-07	1.59E-07	1.50E-07	7.18E-09	1.73E-07	3.83E-08	5.23E-08	8.29E-08	1.46E-08	9.91E-09	3.79E-07	1.96E-07	8.32E-08	9.79E-08	3.85E-08	1.96E-07	8.32E-08
1451	495161.06	3858451.99	6.15E-04	6.30E-04	5.95E-04	2.13E-07	6.43E-07	3.72E-07	3.81E-07	3.46E-07	1.58E-07	1.49E-07	7.11E-09	1.72E-07	3.79E-08	5.18E-08	8.21E-08	1.45E-08	9.82E-09	3.75E-07	1.94E-07	8.24E-08	9.70E-08	3.81E-08	1.94E-07	8.24E-08
1452	495211.06	3858451.99	6.11E-04	6.26E-04	5.90E-04	2.12E-07	6.39E-07	3.70E-07	3.79E-07	3.43E-07	1.57E-07	1.48E-07	7.06E-09	1.71E-07	3.76E-08	5.14E-08	8.16E-08	1.44E-08	9.74E-09	3.72E-07	1.93E-07	8.18E-08	9.63E-08	3.78E-08	1.93E-07	8.18E-08
1453	495261.06	3858451.99	6.07E-04	6.21E-04	5.86E-04	2.10E-07	6.34E-07	3.67E-07	3.76E-07	3.41E-07	1.55E-07	1.47E-07	7.01E-09	1.69E-07	3.74E-08	5.10E-08	8.10E-08	1.43E-08	9.67E-09	3.70E-07	1.91E-07	8.12E-08	9.56E-08	3.75E-08	1.91E-07	8.12E-08
1454	495311.06	3858451.99	6.02E-04	6.17E-04	5.82E-04	2.08E-07	6.29E-07	3.64E-07	3.73E-07	3.38E-07	1.54E-07	1.46E-07	6.96E-09	1.68E-07	3.71E-08	5.07E-08	8.04E-08	1.42E-08	9.60E-09	3.67E-07	1.90E-07	8.06E-08	9.49E-08	3.73E-08	1.90E-07	8.06E-08
1455	495361.06	3858451.99	5.99E-04	6.14E-04	5.79E-04	2.07E-07	6.26E-07	3.63E-07	3.71E-07	3.37E-07	1.54E-07	1.45E-07	6.93E-09	1.67E-07	3.69E-08	5.04E-08	8.00E-08	1.41E-08	9.56E-09	3.65E-07	1.89E-07	8.02E-08	9.44E-08	3.71E-08	1.89E-07	8.02E-08
1456	495411.06	3858451.99	5.98E-04	6.12E-04	5.77E-04	2.07E-07	6.25E-07	3.62E-07	3.70E-07	3.36E-07	1.53E-07	1.45E-07	6.91E-09	1.67E-07	3.68E-08	5.03E-08	7.98E-08	1.41E-08	9.53E-09	3.64E-07	1.89E-07	8.00E-08	9.42E-08	3.70E-08	1.89E-07	8.00E-08

1457	495461.06	3858451.99	5.96E-04	6.11E-04	5.76E-04	2.06E-07	6.23E-07	3.61E-07	3.70E-07	3.35E-07	1.53E-07	1.44E-07	6.89E-09	1.66E-07	3.67E-08	5.02E-08	7.96E-08	1.40E-08	9.51E-09	3.63E-07	1.88E-07	7.98E-08	9.39E-08	3.69E-08	1.88E-07	7.98E-08
1458	495511.06	3858451.99	5.93E-04	6.08E-04	5.73E-04	2.05E-07	6.20E-07	3.59E-07	3.68E-07	3.33E-07	1.52E-07	1.43E-07	6.86E-09	1.66E-07	3.66E-08	4.99E-08	7.92E-08	1.40E-08	9.46E-09	3.62E-07	1.87E-07	7.94E-08	9.35E-08	3.67E-08	1.87E-07	7.94E-08
1459	495561.06	3858451.99	5.92E-04	6.06E-04	5.72E-04	2.05E-07	6.19E-07	3.58E-07	3.67E-07	3.32E-07	1.52E-07	1.43E-07	6.84E-09	1.65E-07	3.65E-08	4.98E-08	7.90E-08	1.39E-08	9.44E-09	3.61E-07	1.87E-07	7.93E-08	9.32E-08	3.66E-08	1.87E-07	7.93E-08
1460	495611.06	3858451.99	5.89E-04	6.03E-04	5.69E-04	2.04E-07	6.15E-07	3.56E-07	3.65E-07	3.31E-07	1.51E-07	1.42E-07	6.81E-09	1.64E-07	3.63E-08	4.95E-08	7.86E-08	1.39E-08	9.39E-09	3.59E-07	1.86E-07	7.89E-08	9.28E-08	3.64E-08	1.86E-07	7.89E-08
1461	495661.06	3858451.99	5.87E-04	6.02E-04	5.67E-04	2.03E-07	6.14E-07	3.55E-07	3.64E-07	3.30E-07	1.51E-07	1.42E-07	6.79E-09	1.64E-07	3.62E-08	4.94E-08	7.84E-08	1.38E-08	9.37E-09	3.58E-07	1.85E-07	7.87E-08	9.25E-08	3.64E-08	1.85E-07	7.87E-08
1462	494311.06	3858501.99	7.14E-04	7.32E-04	6.90E-04	2.47E-07	7.47E-07	4.32E-07	4.43E-07	4.01E-07	1.83E-07	1.73E-07	8.26E-09	1.99E-07	4.40E-08	6.01E-08	9.53E-08	1.68E-08	1.14E-08	4.35E-07	2.25E-07	9.57E-08	1.13E-07	4.42E-08	2.25E-07	9.57E-08
1463	494361.06	3858501.99	7.10E-04	7.27E-04	6.86E-04	2.46E-07	7.42E-07	4.30E-07	4.40E-07	3.99E-07	1.82E-07	1.72E-07	8.21E-09	1.98E-07	4.37E-08	5.97E-08	9.48E-08	1.67E-08	1.13E-08	4.33E-07	2.24E-07	9.51E-08	1.12E-07	4.39E-08	2.24E-07	9.51E-08
1464	494411.06	3858501.99	7.04E-04	7.21E-04	6.80E-04	2.44E-07	7.36E-07	4.26E-07	4.36E-07	3.95E-07	1.80E-07	1.70E-07	8.14E-09	1.97E-07	4.34E-08	5.92E-08	9.40E-08	1.66E-08	1.12E-08	4.29E-07	2.22E-07	9.43E-08	1.11E-07	4.36E-08	2.22E-07	9.43E-08
1465	494461.06	3858501.99	7.00E-04	7.17E-04	6.76E-04	2.42E-07	7.31E-07	4.23E-07	4.34E-07	3.93E-07	1.79E-07	1.69E-07	8.09E-09	1.95E-07	4.31E-08	5.89E-08	9.34E-08	1.65E-08	1.12E-08	4.26E-07	2.21E-07	9.37E-08	1.10E-07	4.33E-08	2.21E-07	9.37E-08
1466	494511.06	3858501.99	6.94E-04	7.10E-04	6.70E-04	2.40E-07	7.25E-07	4.20E-07	4.30E-07	3.90E-07	1.78E-07	1.68E-07	8.02E-09	1.94E-07	4.27E-08	5.84E-08	9.26E-08	1.63E-08	1.11E-08	4.23E-07	2.19E-07	9.29E-08	1.09E-07	4.29E-08	2.19E-07	9.29E-08
1467	494561.06	3858501.99	6.92E-04	7.09E-04	6.69E-04	2.40E-07	7.23E-07	4.19E-07	4.29E-07	3.89E-07	1.77E-07	1.67E-07	8.00E-09	1.93E-07	4.26E-08	5.82E-08	9.24E-08	1.63E-08	1.10E-08	4.22E-07	2.18E-07	9.27E-08	1.09E-07	4.28E-08	2.18E-07	9.27E-08
1468	494611.06	3858501.99	6.86E-04	7.03E-04	6.63E-04	2.38E-07	7.17E-07	4.15E-07	4.25E-07	3.86E-07	1.76E-07	1.66E-07	7.93E-09	1.92E-07	4.23E-08	5.77E-08	9.16E-08	1.61E-08	1.09E-08	4.18E-07	2.17E-07	9.19E-08	1.08E-07	4.25E-08	2.17E-07	9.19E-08
1469	494661.06	3858501.99	6.82E-04	6.98E-04	6.59E-04	2.36E-07	7.13E-07	4.13E-07	4.23E-07	3.83E-07	1.75E-07	1.65E-07	7.88E-09	1.90E-07	4.20E-08	5.74E-08	9.10E-08	1.60E-08	1.09E-08	4.16E-07	2.15E-07	9.13E-08	1.07E-07	4.22E-08	2.15E-07	9.13E-08
1470	494711.06	3858501.99	6.76E-04	6.92E-04	6.53E-04	2.34E-07	7.07E-07	4.09E-07	4.19E-07	3.80E-07	1.73E-07	1.63E-07	7.81E-09	1.89E-07	4.16E-08	5.69E-08	9.02E-08	1.59E-08	1.08E-08	4.12E-07	2.13E-07	9.05E-08	1.06E-07	4.18E-08	2.13E-07	9.05E-08
1471	494761.06	3858501.99	6.70E-04	6.86E-04	6.47E-04	2.32E-07	7.00E-07	4.05E-07	4.15E-07	3.76E-07	1.72E-07	1.62E-07	7.75E-09	1.87E-07	4.13E-08	5.64E-08	8.94E-08	1.58E-08	1.07E-08	4.08E-07	2.11E-07	8.97E-08	1.06E-07	4.15E-08	2.11E-07	8.97E-08
1472	494811.06	3858501.99	6.64E-04	6.80E-04	6.42E-04	2.30E-07	6.94E-07	4.02E-07	4.12E-07	3.73E-07	1.70E-07	1.61E-07	7.68E-09	1.85E-07	4.09E-08	5.59E-08	8.86E-08	1.56E-08	1.06E-08	4.05E-07	2.10E-07	8.89E-08	1.05E-07	4.11E-08	2.10E-07	8.89E-08
1473	494861.06	3858501.99	6.60E-04	6.76E-04	6.37E-04	2.28E-07	6.90E-07	3.99E-07	4.09E-07	3.71E-07	1.69E-07	1.60E-07	7.63E-09	1.84E-07	4.06E-08	5.55E-08	8.81E-08	1.55E-08	1.05E-08	4.02E-07	2.08E-07	8.83E-08	1.04E-07	4.08E-08	2.08E-07	8.83E-08
1474	494911.06	3858501.99	6.52E-04	6.68E-04	6.30E-04	2.26E-07	6.82E-07	3.95E-07	4.04E-07	3.66E-07	1.67E-07	1.58E-07	7.54E-09	1.82E-07	4.02E-08	5.49E-08	8.71E-08	1.53E-08	1.04E-08	3.98E-07	2.06E-07	8.74E-08	1.03E-07	4.04E-08	2.06E-07	8.74E-08
1475	494961.06	3858501.99	6.48E-04	6.64E-04	6.26E-04	2.24E-07	6.77E-07	3.92E-07	4.02E-07	3.64E-07	1.66E-07	1.57E-07	7.49E-09	1.81E-07	3.99E-08	5.45E-08	8.65E-08	1.52E-08	1.03E-08	3.95E-07	2.04E-07	8.68E-08	1.02E-07	4.01E-08	2.04E-07	8.68E-08
1476	495011.06	3858501.99	6.42E-04	6.58E-04	6.20E-04	2.22E-07	6.71E-07	3.88E-07	3.98E-07	3.61E-07	1.65E-07	1.55E-07	7.42E-09	1.79E-07	3.96E-08	5.40E-08	8.57E-08	1.51E-08	1.02E-08	3.91E-07	2.03E-07	8.60E-08	1.01E-07	3.97E-08	2.03E-07	8.60E-08
1477	495061.06	3858501.99	6.38E-04	6.53E-04	6.16E-04	2.21E-07	6.66E-07	3.86E-07	3.95E-07	3.58E-07	1.63E-07	1.54E-07	7.37E-09	1.78E-07	3.93E-08	5.36E-08	8.51E-08	1.50E-08	1.02E-08	3.89E-07	2.01E-07	8.54E-08	1.00E-07	3.95E-08	2.01E-07	8.54E-08
1478	495111.06	3858501.99	6.30E-04	6.45E-04	6.09E-04	2.18E-07	6.59E-07	3.81E-07	3.91E-07	3.54E-07	1.62E-07	1.52E-07	7.28E-09	1.76E-07	3.88E-08	5.30E-08	8.41E-08	1.48E-08	1.01E-08	3.84E-07	1.99E-07	8.44E-08	9.93E-08	3.90E-08	1.99E-07	8.44E-08
1479	495161.06	3858501.99	6.26E-04	6.41E-04	6.05E-04	2.17E-07	6.54E-07	3.79E-07	3.88E-07	3.52E-07	1.60E-07	1.51E-07	7.23E-09	1.75E-07	3.86E-08	5.27E-08	8.35E-08	1.47E-08	9.98E-09	3.81E-07	1.98E-07	8.38E-08	9.86E-08	3.87E-08	1.98E-07	8.38E-08
1480	495211.06	3858501.99	6.20E-04	6.35E-04	5.99E-04	2.15E-07	6.48E-07	3.75E-07	3.84E-07	3.48E-07	1.59E-07	1.50E-07	7.17E-09	1.73E-07	3.82E-08	5.22E-08	8.27E-08	1.46E-08	9.89E-09	3.78E-07	1.96E-07	8.30E-08	9.77E-08	3.84E-08	1.96E-07	8.30E-08
1481	495261.06	3858501.99	6.17E-04	6.32E-04	5.96E-04	2.14E-07	6.45E-07	3.73E-07	3.82E-07	3.47E-07	1.58E-07	1.49E-07	7.13E-09	1.72E-07	3.80E-08	5.19E-08	8.23E-08	1.45E-08	9.84E-09	3.76E-07	1.95E-07	8.26E-08	9.72E-08	3.82E-08	1.95E-07	8.26E-08
1482	495311.06	3858501.99	6.14E-04	6.29E-04	5.93E-04	2.13E-07	6.42E-07	3.71E-07	3.80E-07	3.45E-07	1.57E-07	1.48E-07	7.10E-09	1.71E-07	3.78E-08	5.17E-08	8.20E-08	1.44E-08	9.79E-09	3.74E-07	1.94E-07	8.22E-08	9.67E-08	3.80E-08	1.94E-07	8.22E-08
1483	495361.06	3858501.99	6.11E-04	6.26E-04	5.90E-04	2.12E-07	6.39E-07	3.70E-07	3.79E-07	3.43E-07	1.57E-07	1.48E-07	7.06E-09	1.71E-07	3.76E-08	5.14E-08	8.16E-08	1.44E-08	9.74E-09	3.72E-07	1.93E-07	8.18E-08	9.63E-08	3.78E-08	1.93E-07	8.18E-08
1484	495411.06	3858501.99	6.08E-04	6.23E-04	5.87E-04	2.10E-07	6.36E-07	3.68E-07	3.77E-07	3.42E-07	1.56E-07	1.47E-07	7.03E-09	1.70E-07	3.75E-08	5.12E-08	8.12E-08	1.43E-08	9.70E-09	3.71E-07	1.92E-07	8.14E-08	9.58E-08	3.76E-08	1.92E-07	8.14E-08
1485	495461.06	3858501.99	6.07E-04	6.21E-04	5.86E-04	2.10E-07	6.34E-07	3.67E-07	3.76E-07	3.41E-07	1.55E-07	1.47E-07	7.01E-09	1.69E-07	3.74E-08	5.10E-08	8.10E-08	1.43E-08	9.67E-09	3.70E-07	1.91E-07	8.12E-08	9.56E-08	3.75E-08	1.91E-07	8.12E-08
1486	495511.06	3858501.99	6.04E-04	6.18E-04	5.83E-04	2.09E-07	6.31E-07	3.65E-07	3.74E-07	3.39E-07	1.55E-07	1.46E-07	6.98E-09	1.69E-07	3.72E-08	5.08E-08	8.06E-08	1.42E-08	9.63E-09	3.68E-07	1.91E-07	8.08E-08	9.51E-08	3.74E-08	1.91E-07	8.08E-08
1487	495561.06	3858501.99	6.04E-04	6.18E-04	5.83E-04	2.09E-07	6.31E-07	3.65E-07	3.74E-07	3.39E-07	1.55E-07	1.46E-07	6.98E-09	1.69E-07	3.72E-08	5.08E-08	8.06E-08	1.42E-08	9.63E-09	3.68E-07	1.91E-07	8.08E-08	9.51E-08	3.74E-08	1.91E-07	8.08E-08
1488	495611.06	3858501.99	5.99E-04	6.14E-04	5.79E-04	2.07E-07	6.26E-07	3.63E-07	3.71E-07	3.37E-07	1.54E-07	1.45E-07	6.93E-09	1.67E-07	3.69E-08	5.04E-08	8.00E-08	1.41E-08	9.56E-09	3.65E-07	1.89E-07	8.02E-08	9.44E-08	3.71E-08	1.89E-07	8.02E-08
1489	495661.06	3858501.99	5.98E-04	6.12E-04	5.77E-04	2.07E-07	6.25E-07	3.62E-07	3.70E-07	3.36E-07	1.53E-07	1.45E-07	6.91E-09	1.67E-07	3.68E-08	5.03E-08	7.98E-08	1.41E-08	9.53E-09	3.64E-07	1.89E-07	8.00E-08	9.42E-08	3.70E-08	1.89E-07	8.00E-08
1490	494311.06	3858551.99	7.19E-04	7.36E-04	6.94E-04	2.49E-07	7.51E-07	4.35E-07	4.45E-07	4.04E-07	1.84E-07	1.74E-07	8.31E-09	2.01E-07	4.43E-08	6.05E-08	9.59E-08	1.69E-08	1.15E-08	4.38E-07	2.27E-07	9.62E-08	1.13E-07	4.45E-08	2.27E-07	9.62E-08
1491	494361.06	3858551.99	7.19E-04	7.36E-04	6.94E-04	2.49E-07	7.51E-07	4.35E-07	4.45E-07	4.04E-07	1.84E-07	1.74E-07	8.31E-09	2.01E-07	4.43E-08	6.05E-08	9.59E-08	1.69E-08	1.15E-08	4.38E-07	2.27E-07	9.62E-08	1.13E-07	4.45E-08	2.27E-07	9.62E-08
1492	494411.06	3858551.99	7.20E-04	7.38E-04	6.96E-04	2.49E-07	7.53E-07	4.36E-07	4.46E-07	4.05E-07	1.85E-07	1.74E-07	8.33E-09	2.01E-07	4.44E-08	6.06E-08	9.61E-08	1.69E-08	1.15E-08	4.39E-07	2.27E-07	9.64E-08	1.13E-07	4.46E-08	2.27E-07	9.64E-08
1493	494461.06	3858551.99	7.17E-04	7.35E-04	6.93E-04	2.48E-07	7.50E-07	4.34E-07	4.45E-07	4.03E-07	1.84E-07	1.73E-07	8.29E-09	2.00E-07	4.42E-08	6.04E-08	9.57E-08	1.69E-08	1.14E-08	4.37E-07	2.26E-07	9.61E-08	1.13E-07	4.44E-08	2.26E-07	9.61E-08
1494	494511.06	3858551.99	7.13E-04	7.30E-04	6.89E-04	2.47E-07	7.45E-07	4.31E-07	4.42E-07	4.00E-07	1.83E-07	1.72E-07	8.24E-09	1.99E-07	4.39E-08	6.00E-08	9.52E-08	1.68E-08	1.14E-08	4.34E-07	2.25E-07	9.55E-08	1.12E-07	4.41E-08	2.25E-07	9.55E-08
1495	494561.06	3858551.99	7.08E-04	7.26E-04	6.84E-04	2.45E-07	7.40E-07	4.29E-07	4.39E-07	3.98E-07	1.82E-07	1.71E-07	8.19E-09	1.98E-07	4.36E-08	5.96E-08	9.46E-08	1.67E-08	1.13E-08	4.32E-07	2.24E-07	9.49E-08	1.12E-07	4.38E-08	2.24E-07	9.49E-08
1496	494611.06	3858551.99	7.04E-04	7.21E-04	6.80E-04	2.44E-07	7.36E-07	4.26E-07	4.36E-07	3.95E-07	1.80E-07	1.70E-07	8.14E-09	1.97E-07	4.34E-08	5.92E-08	9.40E-08	1.66E-08	1.12E-08	4.29E-07	2.22E-07	9.43E-08	1.11E-07	4.36E-08	2.22E-07	9.43E-08
1497	494661.06	3858551.99	7.00E-04	7.17E-04	6.76E-04	2.42E-07	7.31E-07	4.23E-07	4.34E-07	3.93E-07	1.79E-07	1.69E-07	8.09E-09	1.95E-07	4.31E-08	5.89E-08	9.34E-08	1.65E-08	1.12E-08	4.26E-07	2.21E-07	9.37E-08	1.10E-07	4.33E-08	2.21E-07	9.37E-08
1498	494711.06	3858551.99	6.92E-04	7.09E-04	6.69E-04	2.40E-07	7.23E-07	4.19E-07	4.29E-07	3.89E-07	1.77E-07	1.67E-07	8.00E-09	1.93E-07	4.26E-08	5.82E-08	9.24E-08	1.63E-08	1.10E-08	4.22E-07	2.18E-07	9.27E-08	1.09E-07	4.28E-08	2.18E-07	9.27E-08
1499	494761.06	3858551.99	6.85E-04	7.01E-04	6.62E-04	2.37E-07	7.16E-07	4.14E-07	4.24E-07	3.85E-07	1.76E-07	1.66E-07	7.92E-09	1.91E-07	4.22E-08	5.76E-08	9.14E-08	1.61E-08	1.09E-08	4.17E-07	2.16E-07	9.17E-08	1.08E-07	4.24E-08	2.16E-07	9.17E-08
1500	494811.06	3858551.99	6.79E-04	6.95E-04	6.56E-04	2.35E-07	7.10E-07	4.11E-07	4.21E-07	3.81E-07	1.74E-07	1.64E-07	7.85E-09	1.90E-07	4.18E-08	5.71E-08	9.06E-08	1.60E-08	1.08E-08	4.14E-07	2.14E-07	9.09E-08	1.07E-07	4.20E-08	2.14E-07	9.09E-08
1501	494861.06	3858551.99	6.73E-04	6.89E-04	6.50E-04	2.33E-07	7.03E-07	4.07E-07	4.17E-07	3.78E-07	1.73E-07	1.63E-07	7.78E-09	1.88E-07	4.15E-08	5.66E-08	8.98E-08	1.58E-08	1.07E-08	4.10E-07	2.12E-07	9.01E-08	1.06E-07	4.17E-08	2.12E-07	9.01E-08
1502	494911.06	3858551.99	6.66E-04	6.82E-04	6.43E-04	2.30E-07	6.96E-07	4.03E-07	4.13E-07	3.74E-07	1.71E-07	1.61E-07	7.69E-09	1.86E-07	4.10E-08	5.60E-08	8.88E-08	1.57E-08	1.06E-08	4.06E-07	2.10E-07	8.91E-08	1.05E-07	4.12E-08	2.10E-07	8.91E-08
1503	494961.06	3858551.99	6.60E-04	6.76E-04	6.37E-04	2.28E-07	6.90E-07	3.99E-07	4.09E-07	3.71E-07	1.69E-07	1.60E-07	7.63E-09	1.84E-07	4.06E-08	5.55E-08	8.81E-08	1.55E-08	1.05E-08	4.02E-07	2.08E-07	8.83E-08	1.04E-07	4.08E-08	2.08E-07	8.83E-08
1504	495011.06	3858551.99	6.52E-04	6.68E-04	6.30E-04	2.26E-07	6.82E-07	3.95E-07	4.04E-07	3.66E-07	1.67E-07	1.58E-07	7.54E-09	1.82E-07	4.02E-08	5.49E-08	8.71E-08	1.53E-08	1.04E-08	3.98E-07	2.06E-07	8.74E-08	1.03E-07	4.04E-08	2.06E-07	8.74E-08
1505	495061.06	3858551.99	6.48E-04	6.64E-04	6.26E-04	2.24E-07	6.77E-07	3.92E-07	4.02E-07	3.64E-07	1.66E-07	1.57E-07	7.49E-09	1.81E-07	3.99E-08	5.45E-08	8.65E-08	1.52E-08	1.03E-08	3.95E-07	2.04E-07	8.68E-08	1.02E-07	4.01E-08	2.04E-07	8.68E-08
1506	495111.06	3858551.99	6.41E-04	6.56E-04	6.19E-04	2.22E-07	6.69E-07	3.88E-07	3.97E-07	3.60E-07	1.64E-07	1.55E-07	7.40E-09	1.79E-07	3.95E-08	5.39E-08	8.55E-08	1.51E-08	1.02E-08	3.90E-07	2.02E-07	8.58E-08	1.01E-07	3.96E-08	2.02E-07	8.58E-08
1507	495161.06	3858551.99	6.35E-04	6.50E-04	6.13E-04	2.20E-07	6.63E-07	3.84E-07	3.93E-07	3.57E-07	1.63E-07	1.53E-07	7.34E-09	1.77E-07	3.91E-08	5.34E-08	8.47E-08	1.49E-08	1.01E-08	3.87E-07	2.00E-07	8.50E-08	1.00E-07	3.93E-08	2.00E-07	8.50E-08
1508	495211.06	3858551.99	6.30E-04	6.45E-04	6.09E-04	2.18E-07	6.59E-07	3.81E-07	3.91E-07	3.54E-07	1.62E-07	1.52E-07	7.28E-09	1.76E-07	3.88E-08	5.30E-08	8.41E-08	1.48E-08	1.01E-08	3.84E-07	1.99E-07	8.44E-08	9.93E-08	3.90E-08	1.99E-07	8.44E-08
1509	495261.06	3858551.99	6.26E-04	6.41E-04	6.05E-04	2.17E-07	6.54E-07	3.79E-07	3.88E-07	3.52E-07	1.60E-07	1.51E-07	7.23E-09	1.75E-07	3.86E-08	5.27E-08	8.35E-08	1.47E-08	9.98E-09	3.81E-07	1.98E-07	8.38E-08	9.86E-08	3.87E-08	1.98E-07	8.38E-08
1510	495311.06	3858551.99	6.24E-04	6.39E-04	6.03E-04	2.16E-07	6.53E-07	3.78E-07	3.87E-07	3.51E-07	1.60E-07	1.51E-07	7.22E-09	1.74E-07	3.85E-08	5.25E-08	8.33E-08	1.47E-08	9.96E-09	3.80E-07	1.97E-07	8.36E-08	9.83E-08	3.86E-08	1.97E-07	8.36E-08
1511	495361.06	3858551.99	6.21E-04	6.36E-04	6.00E-04	2.15E-07	6.49E-07	3.76E-07	3.85E-07	3.49E-07	1.59E-07	1.50E-07	7.18E-09	1.73E-07	3.83E-08	5.23E-08	8.29E-08	1.46E-08	9.91E-09	3.79E-07	1.96E-07	8.32E-08	9.79E-08	3.85E-08	1.96E-07	8.32E-08
1512	495411.06	3858551.99	6.20E-04	6.35E-04	5.99E-04	2.15E-07	6.48E-07	3.75E-07	3.84E-07	3.48E-07	1.59E-07	1.50E-07	7.17E-09	1.73E-07	3.82E-08	5.22E-08	8.27E-08	1.46E-08	9.89E-09	3.78E-07	1.96E-07	8.30E-08	9.77E-08	3.84E-08	1.96E-07	8.30E-08
1513	495461.06	3858551.99	6.17E-04	6.32E-04	5.96E-04	2.14E-07	6.45E-07	3.73E-07	3.82E-07	3.47E-07	1.58E-07	1.49E-07	7.13E-09	1.72E-07	3.80E-08	5.19E-08	8.23E-08	1.45E-08	9.84E-09	3.76E-07	1.95E-07	8.26E-08	9.72E-08	3.82E-08	1.95E-07	8.26E-08
1514	495511.06	3858551.99	6.15E-04	6.30E-04	5.95E-04	2.13E-07	6.43E-07	3.72E-07	3.81E-07	3.46E-07	1.58E-07	1.49E-07	7.11E-09	1.72E-07	3.79E-08	5.18E-08	8.21E-08	1.45E-08	9.82E-09	3.75E-07	1.94E-07	8.24E-08	9.70E-08	3.81E-08	1.94E-07	8.24E-08
1515	495561.06	3858551.99	6.12E-04	6.27E-04	5.92E-04	2.12E-07	6.40E-07	3.71E-07	3.80E-07	3.44E-07	1.57E-07	1.48E-07	7.08E-09	1.71E-07	3.77E-08	5.15E-08	8.18E-08	1.44E-08	9.77E-09	3.73E-07	1.93E-07	8.20E-08	9.65E-08	3.79E-08	1.93E-07	8.20E-08
1516	495611.06	3858551.99	6.11E-04	6.26E-04	5.90E-04	2.12E-07	6.39E-07	3.70E-07	3.79E-07	3.43E-07	1.57E-07	1.48E-07	7.06E-09	1.71E-07	3.76E-08	5.14E-08	8.16E-08	1.44E-08	9.74E-09	3.72E-07	1.93E-07	8.18E-08	9.63E-08	3.78E-08	1.93E-07	8.18E-08
1517	495661.06	3858551.99	6.08E-04	6.23E-04	5.87E-04	2.10E-07	6.36E-07	3.68E-07	3.77E-07	3.42E-07	1.56E-07	1.47E-07	7.03E-09	1.70E-07	3.75E-08	5.12E-08	8.12E-08	1.43E-08	9.70E-09	3.71E-07	1.92E-07	8.14E-08	9.58E-08	3.76E-08	1.92E-07	8.14E-08
1518	494311.06	3858601.99	7.17E-04	7.35E-04	6.93E-04	2.48E-07	7.50E-07	4.34E-07	4.45E-07	4.03E-07	1.84E-07	1.73E-07	8.29E-09	2.00E-07	4.42E-08	6.04E-08	9.57E-08	1.69E-08	1.14E-08	4.37E-07	2.26E-07	9.61E-08	1.13E-07	4.44E-08	2.26E-07	9.61E-08
1519	494361.06	3858601.99	7.28E-04	7.45E-04	7.03E-04	2.52E-07	7.60E-07	4.40E-07	4.51E-07	4.09E-07	1.87E-07	1.76E-07	8.41E-09	2.03E-07	4.48E-08	6.12E-08	9.71E-08	1.71E-08	1.16E-08	4.43E-07	2.30E-07	9.74E-08	1.15E-07	4.50E-08	2.30E-07	9.74E-08
1520	494411.06	3858601.99	7.38E-04	7.56E-04	7.13E-04	2.55E-07	7.71E-07	4.47E-07	4.57E-07	4.15E-07	1.89E-07	1.78E-07	8.53E-09	2.06E-07	4.55E-08	6.21E-08	9.85E-08	1.74E-08	1.18E-08	4.50E-07	2.33E-07	9.88E-08	1.16E-07	4.57E-08	2.33E-07	9.88E-08
1521	494461.06	3858601.99	7.34E-04	7.51E-04	7.09E-04	2.54E-07	7.67E-07	4.44E-07	4.55E-07	4.12E-07	1.88E-07	1.77E-07	8.48E-09	2.05E-07	4.52E-08	6.17E-08	9.79E-08	1.73E-08	1.17E-08	4.47E-07	2.32E-07	9.82E-08	1.16E-07	4.54E-08	2.32E-07	9.82E-08
1522	494511.06	3858601.99	7.26E-04	7.44E-04	7.02E-04	2.51E-07	7.59E-07	4.39E-07	4.50E-07	4.08E-07	1.86E-07	1.76E-07	8.39E-09	2.03E-07	4.47E-08	6.11E-08	9.69E-08	1.71E-08	1.16E-08	4.43E-07	2.29E-07	9.72E-08	1.14E-07	4.49E-08	2.29E-07	9.72E-08
1523	494561.06	3858601.99	7.26E-04	7.44E-04	7.02E-04	2.51E-07	7.59E-07	4.39E-07	4.50E-07	4.08E-07	1.86E-07	1.76E-07	8.39E-09	2.03E-07	4.47E-08	6.11E-08	9.69E-08	1.71E-08	1.16E-08	4.43E-07	2.29E-07	9.72E-08	1.14E-07	4.49E-08	2.29E-07	9.72E-08
1524	494611.06	3858601.99	7.20E-04	7.38E-04	6.96E-04	2.49E-07	7.53E-07	4.36E-07	4.46E-07	4.05E-07	1.85E-07	1.74E-07	8.33E-09	2.01E-07	4.44E-08	6.06E-08	9.61E-08	1.69E-08	1.15E-08	4.39E-07	2.27E-07	9.64E-08	1.13E-07	4.46E-08	2.27E-07	9.64E-08
1525	494661.06	3858601.99	7.14E-04	7.32E-04	6.90E-04	2.47E-07	7.47E-07	4.32E-07	4.43E-07	4.01E-07	1.83E-07	1.73E-07	8.26E-09	1.99E-07	4.40E-08	6.01E-08	9.53E-08	1.68E-08	1.14E-08	4.35E-07	2.25E-07	9.57E-08	1.13E-07	4.42E-08	2.25E-07	9.57E-08
1526	494711.06	3858601.99	7.08E-04	7.26E-04	6.84E-04	2.45E-07	7.40E-07	4.29E-07	4.39E-07	3.98E-07	1.82E-07	1.71E-07	8.19E-09	1.98E-07	4.36E-08	5.96E-08	9.46E-08	1.67E-08	1.13E-08	4.32E-07	2.24E-07	9.49E-08	1.12E-07	4.38E-08	2.24E-07	9.49E-08
1527	494761.06	3858601.99	7.01E-04	7.18E-04	6.77E-04	2.43E-07	7.33E-07	4.24E-07	4.34E-07	3.94E-07	1.80E-07	1.70E-07	8.10E-09	1.96E-07	4.32E-08	5.90E-08	9.36E-08	1.65E-08	1.12E-08	4.27E-07	2.21E-07	9.39E-08	1.10E-07	4.34E-08	2.21E-07	9.39E-08
1528	494811.06	3858601.99	6.92E-04	7.09E-04	6.69E-04	2.40E-07	7.23E-07	4.19E-07	4.29E-07	3.89E-07	1.77E-07	1.67E-07	8.00E-09	1.93E-07	4.26E-08	5.82E-08	9.24E-08	1.63E-08	1.10E-08	4.22E-07	2.18E-07	9.27E-08	1.09E-07	4.28E-08	2.18E-07	9.27E-08
1529	494861.06	3858601.99	6.86E-04	7.03E-04	6.63E-04	2.38E-07	7.17E-07	4.15E-07	4.25E-07	3.86E-07	1.76E-07	1.66E-07	7.93E-09	1.92E-07	4.23E-08	5.77E-08	9.16E-08	1.61E-08	1.09E-08	4.18E-07	2.17E-07	9.19E-08	1.08E-07	4.25E-08	2.17E-07	9.19E-08
1530	494911.06	3858601.99	6.79E-04	6.95E-04	6.56E-04	2.35E-07	7.10E-07	4.11E-07	4.21E-07	3.81E-07	1.74E-07	1.64E-07	7.85E-09	1.90E-07	4.18E-08	5.71E-08	9.06E-08	1.60E-08	1.08E-08	4.14E-07	2.14E-07	9.09E-08	1.07E-07	4.20E-08	2.14E-07	9.09E-08
1531	494961.06	3858601.99	6.72E-04	6.88E-04	6.49E-04	2.32E-07	7.02E-07	4.06E-07	4.16E-07	3.77E-07	1.72E-07	1.62E-07	7.76E-09	1.88E-07	4.14E-08	5.65E-08	8.96E-08	1.58E-08	1.07E-08	4.09E-07	2.12E-07	8.99E-08	1.06E-07	4.16E-08	2.12E-07	8.99E-08
1532	495011.06	3858601.99	6.66E-04	6.82E-04	6.43E-04	2.30E-07	6.96E-07	4.03E-07	4.13E-07	3.74E-07	1.71E-07	1.61E-07	7.69E-09	1.86E-07	4.10E-08	5.60E-08	8.88E-08	1.57E-08	1.06E-08	4.06E-07	2.10E-07	8.91E-08	1.05E-07	4.12E-08	2.10E-07	8.91E-08
1533	495061.06	3858601.99	6.60E-04	6.76E-04	6.37E-04	2.28E-07	6.90E-07	3.99E-07	4.09E-07	3.71E-07	1.69E-07	1.60E-07	7.63E-09	1.84E-07	4.06E-08	5.55E-08	8.81E-08	1.55E-08	1.05E-08	4.02E-07	2.08E-07	8.83E-08	1.04E-07	4.08E-08	2.08E-07	8.83E-08

1534	495111.06	3858601.99	6.51E-04	6.67E-04	6.29E-04	2.25E-07	6.80E-07	3.94E-07	4.03E-07	3.66E-07	1.67E-07	1.57E-07	7.52E-09	1.82E-07	4.01E-08	5.48E-08	8.69E-08	1.53E-08	1.04E-08	3.97E-07	2.05E-07	8.72E-08	1.03E-07	4.03E-08	2.05E-07	8.72E-08
1535	495161.06	3858601.99	6.46E-04	6.62E-04	6.25E-04	2.24E-07	6.76E-07	3.91E-07	4.01E-07	3.63E-07	1.66E-07	1.56E-07	7.47E-09	1.80E-07	3.98E-08	5.44E-08	8.63E-08	1.52E-08	1.03E-08	3.94E-07	2.04E-07	8.66E-08	1.02E-07	4.00E-08	2.04E-07	8.66E-08
1536	495211.06	3858601.99	6.42E-04	6.58E-04	6.20E-04	2.22E-07	6.71E-07	3.88E-07	3.98E-07	3.61E-07	1.65E-07	1.55E-07	7.42E-09	1.79E-07	3.96E-08	5.40E-08	8.57E-08	1.51E-08	1.02E-08	3.91E-07	2.03E-07	8.60E-08	1.01E-07	3.97E-08	2.03E-07	8.60E-08
1537	495261.06	3858601.99	6.38E-04	6.53E-04	6.16E-04	2.21E-07	6.66E-07	3.86E-07	3.95E-07	3.58E-07	1.63E-07	1.54E-07	7.37E-09	1.78E-07	3.93E-08	5.36E-08	8.51E-08	1.50E-08	1.02E-08	3.89E-07	2.01E-07	8.54E-08	1.00E-07	3.95E-08	2.01E-07	8.54E-08
1538	495311.06	3858601.99	6.35E-04	6.50E-04	6.13E-04	2.20E-07	6.63E-07	3.84E-07	3.93E-07	3.57E-07	1.63E-07	1.53E-07	7.34E-09	1.77E-07	3.91E-08	5.34E-08	8.47E-08	1.49E-08	1.01E-08	3.87E-07	2.00E-07	8.50E-08	1.00E-07	3.93E-08	2.00E-07	8.50E-08
1539	495361.06	3858601.99	6.32E-04	6.47E-04	6.10E-04	2.19E-07	6.60E-07	3.82E-07	3.91E-07	3.55E-07	1.62E-07	1.53E-07	7.30E-09	1.76E-07	3.89E-08	5.31E-08	8.43E-08	1.49E-08	1.01E-08	3.85E-07	1.99E-07	8.46E-08	9.95E-08	3.91E-08	1.99E-07	8.46E-08
1540	495411.06	3858601.99	6.30E-04	6.45E-04	6.09E-04	2.18E-07	6.59E-07	3.81E-07	3.91E-07	3.54E-07	1.62E-07	1.52E-07	7.28E-09	1.76E-07	3.88E-08	5.30E-08	8.41E-08	1.48E-08	1.01E-08	3.84E-07	1.99E-07	8.44E-08	9.93E-08	3.90E-08	1.99E-07	8.44E-08
1541	495461.06	3858601.99	6.27E-04	6.42E-04	6.06E-04	2.17E-07	6.56E-07	3.80E-07	3.89E-07	3.52E-07	1.61E-07	1.52E-07	7.25E-09	1.75E-07	3.86E-08	5.28E-08	8.37E-08	1.48E-08	1.00E-08	3.82E-07	1.98E-07	8.40E-08	9.88E-08	3.88E-08	1.98E-07	8.40E-08
1542	495511.06	3858601.99	6.24E-04	6.39E-04	6.03E-04	2.16E-07	6.53E-07	3.78E-07	3.87E-07	3.51E-07	1.60E-07	1.51E-07	7.22E-09	1.74E-07	3.85E-08	5.25E-08	8.33E-08	1.47E-08	9.96E-09	3.80E-07	1.97E-07	8.36E-08	9.83E-08	3.86E-08	1.97E-07	8.36E-08
1543	495561.06	3858601.99	6.23E-04	6.38E-04	6.02E-04	2.16E-07	6.51E-07	3.77E-07	3.86E-07	3.50E-07	1.60E-07	1.51E-07	7.20E-09	1.74E-07	3.84E-08	5.24E-08	8.31E-08	1.47E-08	9.93E-09	3.80E-07	1.97E-07	8.34E-08	9.81E-08	3.85E-08	1.97E-07	8.34E-08
1544	495611.06	3858601.99	6.20E-04	6.35E-04	5.99E-04	2.15E-07	6.48E-07	3.75E-07	3.84E-07	3.48E-07	1.59E-07	1.50E-07	7.17E-09	1.73E-07	3.82E-08	5.22E-08	8.27E-08	1.46E-08	9.89E-09	3.78E-07	1.96E-07	8.30E-08	9.77E-08	3.84E-08	1.96E-07	8.30E-08
1545	495661.06	3858601.99	6.17E-04	6.32E-04	5.96E-04	2.14E-07	6.45E-07	3.73E-07	3.82E-07	3.47E-07	1.58E-07	1.49E-07	7.13E-09	1.72E-07	3.80E-08	5.19E-08	8.23E-08	1.45E-08	9.84E-09	3.76E-07	1.95E-07	8.26E-08	9.72E-08	3.82E-08	1.95E-07	8.26E-08
1546	494311.06	3858651.99	7.26E-04	7.44E-04	7.02E-04	2.51E-07	7.59E-07	4.39E-07	4.50E-07	4.08E-07	1.86E-07	1.76E-07	8.39E-09	2.03E-07	4.47E-08	6.11E-08	9.69E-08	1.71E-08	1.16E-08	4.43E-07	2.29E-07	9.72E-08	1.14E-07	4.49E-08	2.29E-07	9.72E-08
1547	494361.06	3858651.99	7.36E-04	7.54E-04	7.11E-04	2.55E-07	7.70E-07	4.46E-07	4.56E-07	4.14E-07	1.89E-07	1.78E-07	8.51E-09	2.06E-07	4.54E-08	6.20E-08	9.83E-08	1.73E-08	1.17E-08	4.49E-07	2.32E-07	9.86E-08	1.16E-07	4.56E-08	2.32E-07	9.86E-08
1548	494411.06	3858651.99	7.50E-04	7.68E-04	7.24E-04	2.60E-07	7.84E-07	4.54E-07	4.65E-07	4.21E-07	1.92E-07	1.81E-07	8.67E-09	2.09E-07	4.62E-08	6.31E-08	1.00E-07	1.76E-08	1.20E-08	4.57E-07	2.37E-07	1.00E-07	1.18E-07	4.64E-08	2.37E-07	1.00E-07
1549	494461.06	3858651.99	7.51E-04	7.69E-04	7.26E-04	2.60E-07	7.85E-07	4.55E-07	4.66E-07	4.22E-07	1.93E-07	1.82E-07	8.68E-09	2.10E-07	4.63E-08	6.32E-08	1.00E-07	1.77E-08	1.20E-08	4.58E-07	2.37E-07	1.01E-07	1.18E-07	4.65E-08	2.37E-07	1.01E-07
1550	494511.06	3858651.99	7.47E-04	7.65E-04	7.21E-04	2.59E-07	7.81E-07	4.52E-07	4.63E-07	4.20E-07	1.91E-07	1.81E-07	8.63E-09	2.09E-07	4.60E-08	6.28E-08	9.97E-08	1.76E-08	1.19E-08	4.55E-07	2.36E-07	1.00E-07	1.18E-07	4.62E-08	2.36E-07	1.00E-07
1551	494561.06	3858651.99	7.42E-04	7.60E-04	7.17E-04	2.57E-07	7.76E-07	4.49E-07	4.60E-07	4.17E-07	1.90E-07	1.79E-07	8.58E-09	2.07E-07	4.57E-08	6.25E-08	9.91E-08	1.75E-08	1.18E-08	4.52E-07	2.34E-07	9.94E-08	1.17E-07	4.59E-08	2.34E-07	9.94E-08
1552	494611.06	3858651.99	7.38E-04	7.56E-04	7.13E-04	2.55E-07	7.71E-07	4.47E-07	4.57E-07	4.15E-07	1.89E-07	1.78E-07	8.53E-09	2.06E-07	4.55E-08	6.21E-08	9.85E-08	1.74E-08	1.18E-08	4.50E-07	2.33E-07	9.88E-08	1.16E-07	4.57E-08	2.33E-07	9.88E-08
1553	494661.06	3858651.99	7.31E-04	7.48E-04	7.06E-04	2.53E-07	7.64E-07	4.42E-07	4.53E-07	4.10E-07	1.87E-07	1.77E-07	8.44E-09	2.04E-07	4.50E-08	6.15E-08	9.75E-08	1.72E-08	1.17E-08	4.45E-07	2.31E-07	9.78E-08	1.15E-07	4.52E-08	2.31E-07	9.78E-08
1554	494711.06	3858651.99	7.23E-04	7.41E-04	6.99E-04	2.50E-07	7.56E-07	4.38E-07	4.48E-07	4.06E-07	1.85E-07	1.75E-07	8.36E-09	2.02E-07	4.46E-08	6.08E-08	9.65E-08	1.70E-08	1.15E-08	4.41E-07	2.28E-07	9.68E-08	1.14E-07	4.48E-08	2.28E-07	9.68E-08
1555	494761.06	3858651.99	7.17E-04	7.35E-04	6.93E-04	2.48E-07	7.50E-07	4.34E-07	4.45E-07	4.03E-07	1.84E-07	1.73E-07	8.29E-09	2.00E-07	4.42E-08	6.04E-08	9.57E-08	1.69E-08	1.14E-08	4.37E-07	2.26E-07	9.61E-08	1.13E-07	4.44E-08	2.26E-07	9.61E-08
1556	494811.06	3858651.99	7.08E-04	7.26E-04	6.84E-04	2.45E-07	7.40E-07	4.29E-07	4.39E-07	3.98E-07	1.82E-07	1.71E-07	8.19E-09	1.98E-07	4.36E-08	5.96E-08	9.46E-08	1.67E-08	1.13E-08	4.32E-07	2.24E-07	9.49E-08	1.12E-07	4.38E-08	2.24E-07	9.49E-08
1557	494861.06	3858651.99	7.01E-04	7.18E-04	6.77E-04	2.43E-07	7.33E-07	4.24E-07	4.34E-07	3.94E-07	1.80E-07	1.70E-07	8.10E-09	1.96E-07	4.32E-08	5.90E-08	9.36E-08	1.65E-08	1.12E-08	4.27E-07	2.21E-07	9.39E-08	1.10E-07	4.34E-08	2.21E-07	9.39E-08
1558	494911.06	3858651.99	6.92E-04	7.09E-04	6.69E-04	2.40E-07	7.23E-07	4.19E-07	4.29E-07	3.89E-07	1.77E-07	1.67E-07	8.00E-09	1.93E-07	4.26E-08	5.82E-08	9.24E-08	1.63E-08	1.10E-08	4.22E-07	2.18E-07	9.27E-08	1.09E-07	4.28E-08	2.18E-07	9.27E-08
1559	494961.06	3858651.99	6.85E-04	7.01E-04	6.62E-04	2.37E-07	7.16E-07	4.14E-07	4.24E-07	3.85E-07	1.76E-07	1.66E-07	7.92E-09	1.91E-07	4.22E-08	5.76E-08	9.14E-08	1.61E-08	1.09E-08	4.17E-07	2.16E-07	9.17E-08	1.08E-07	4.24E-08	2.16E-07	9.17E-08
1560	495011.06	3858651.99	6.79E-04	6.95E-04	6.56E-04	2.35E-07	7.10E-07	4.11E-07	4.21E-07	3.81E-07	1.74E-07	1.64E-07	7.85E-09	1.90E-07	4.18E-08	5.71E-08	9.06E-08	1.60E-08	1.08E-08	4.14E-07	2.14E-07	9.09E-08	1.07E-07	4.20E-08	2.14E-07	9.09E-08
1561	495061.06	3858651.99	6.72E-04	6.88E-04	6.49E-04	2.32E-07	7.02E-07	4.06E-07	4.16E-07	3.77E-07	1.72E-07	1.62E-07	7.76E-09	1.88E-07	4.14E-08	5.65E-08	8.96E-08	1.58E-08	1.07E-08	4.09E-07	2.12E-07	8.99E-08	1.06E-07	4.16E-08	2.12E-07	8.99E-08
1562	495111.06	3858651.99	6.64E-04	6.80E-04	6.42E-04	2.30E-07	6.94E-07	4.02E-07	4.12E-07	3.73E-07	1.70E-07	1.61E-07	7.68E-09	1.85E-07	4.09E-08	5.59E-08	8.86E-08	1.56E-08	1.06E-08	4.05E-07	2.10E-07	8.89E-08	1.05E-07	4.11E-08	2.10E-07	8.89E-08
1563	495161.06	3858651.99	6.58E-04	6.74E-04	6.36E-04	2.28E-07	6.88E-07	3.98E-07	4.08E-07	3.70E-07	1.69E-07	1.59E-07	7.61E-09	1.84E-07	4.06E-08	5.54E-08	8.79E-08	1.55E-08	1.05E-08	4.01E-07	2.08E-07	8.81E-08	1.04E-07	4.07E-08	2.08E-07	8.81E-08
1564	495211.06	3858651.99	6.52E-04	6.68E-04	6.30E-04	2.26E-07	6.82E-07	3.95E-07	4.04E-07	3.66E-07	1.67E-07	1.58E-07	7.54E-09	1.82E-07	4.02E-08	5.49E-08	8.71E-08	1.53E-08	1.04E-08	3.98E-07	2.06E-07	8.74E-08	1.03E-07	4.04E-08	2.06E-07	8.74E-08
1565	495261.06	3858651.99	6.49E-04	6.65E-04	6.27E-04	2.25E-07	6.79E-07	3.93E-07	4.02E-07	3.65E-07	1.66E-07	1.57E-07	7.51E-09	1.81E-07	4.00E-08	5.46E-08	8.67E-08	1.53E-08	1.04E-08	3.96E-07	2.05E-07	8.70E-08	1.02E-07	4.02E-08	2.05E-07	8.70E-08
1566	495311.06	3858651.99	6.46E-04	6.62E-04	6.25E-04	2.24E-07	6.76E-07	3.91E-07	4.01E-07	3.63E-07	1.66E-07	1.56E-07	7.47E-09	1.80E-07	3.98E-08	5.44E-08	8.63E-08	1.52E-08	1.03E-08	3.94E-07	2.04E-07	8.66E-08	1.02E-07	4.00E-08	2.04E-07	8.66E-08
1567	495361.06	3858651.99	6.43E-04	6.59E-04	6.22E-04	2.23E-07	6.73E-07	3.89E-07	3.99E-07	3.61E-07	1.65E-07	1.56E-07	7.44E-09	1.80E-07	3.96E-08	5.41E-08	8.59E-08	1.51E-08	1.03E-08	3.92E-07	2.03E-07	8.62E-08	1.01E-07	3.98E-08	2.03E-07	8.62E-08
1568	495411.06	3858651.99	6.42E-04	6.58E-04	6.20E-04	2.22E-07	6.71E-07	3.88E-07	3.98E-07	3.61E-07	1.65E-07	1.55E-07	7.42E-09	1.79E-07	3.96E-08	5.40E-08	8.57E-08	1.51E-08	1.02E-08	3.91E-07	2.03E-07	8.60E-08	1.01E-07	3.97E-08	2.03E-07	8.60E-08
1569	495461.06	3858651.99	6.41E-04	6.56E-04	6.19E-04	2.22E-07	6.69E-07	3.88E-07	3.97E-07	3.60E-07	1.64E-07	1.55E-07	7.40E-09	1.79E-07	3.95E-08	5.39E-08	8.55E-08	1.51E-08	1.02E-08	3.90E-07	2.02E-07	8.58E-08	1.01E-07	3.96E-08	2.02E-07	8.58E-08
1570	495511.06	3858651.99	6.36E-04	6.52E-04	6.15E-04	2.20E-07	6.65E-07	3.85E-07	3.94E-07	3.57E-07	1.63E-07	1.54E-07	7.35E-09	1.78E-07	3.92E-08	5.35E-08	8.49E-08	1.50E-08	1.01E-08	3.88E-07	2.01E-07	8.52E-08	1.00E-07	3.94E-08	2.01E-07	8.52E-08
1571	495561.06	3858651.99	6.33E-04	6.48E-04	6.12E-04	2.19E-07	6.62E-07	3.83E-07	3.92E-07	3.56E-07	1.62E-07	1.53E-07	7.32E-09	1.77E-07	3.90E-08	5.33E-08	8.45E-08	1.49E-08	1.01E-08	3.86E-07	2.00E-07	8.48E-08	9.97E-08	3.92E-08	2.00E-07	8.48E-08
1572	495611.06	3858651.99	6.29E-04	6.44E-04	6.07E-04	2.18E-07	6.57E-07	3.80E-07	3.90E-07	3.53E-07	1.61E-07	1.52E-07	7.27E-09	1.76E-07	3.87E-08	5.29E-08	8.39E-08	1.48E-08	1.00E-08	3.83E-07	1.98E-07	8.42E-08	9.90E-08	3.89E-08	1.98E-07	8.42E-08
1573	495661.06	3858651.99	6.27E-04	6.42E-04	6.06E-04	2.17E-07	6.56E-07	3.80E-07	3.89E-07	3.52E-07	1.61E-07	1.52E-07	7.25E-09	1.75E-07	3.86E-08	5.28E-08	8.37E-08	1.48E-08	1.00E-08	3.82E-07	1.98E-07	8.40E-08	9.88E-08	3.88E-08	1.98E-07	8.40E-08
1574	494311.06	3858701.99	7.44E-04	7.62E-04	7.19E-04	2.57E-07	7.77E-07	4.50E-07	4.61E-07	4.18E-07	1.91E-07	1.80E-07	8.60E-09	2.08E-07	4.58E-08	6.26E-08	9.93E-08	1.75E-08	1.19E-08	4.53E-07	2.35E-07	9.96E-08	1.17E-07	4.60E-08	2.35E-07	9.96E-08
1575	494361.06	3858701.99	7.59E-04	7.77E-04	7.33E-04	2.63E-07	7.93E-07	4.59E-07	4.70E-07	4.26E-07	1.94E-07	1.83E-07	8.77E-09	2.12E-07	4.67E-08	6.38E-08	1.01E-07	1.78E-08	1.21E-08	4.62E-07	2.39E-07	1.02E-07	1.20E-07	4.69E-08	2.39E-07	1.02E-07
1576	494411.06	3858701.99	7.67E-04	7.86E-04	7.41E-04	2.66E-07	8.02E-07	4.64E-07	4.76E-07	4.31E-07	1.97E-07	1.86E-07	8.87E-09	2.14E-07	4.73E-08	6.46E-08	1.02E-07	1.81E-08	1.22E-08	4.68E-07	2.42E-07	1.03E-07	1.21E-07	4.75E-08	2.42E-07	1.03E-07
1577	494461.06	3858701.99	7.65E-04	7.83E-04	7.39E-04	2.65E-07	7.99E-07	4.63E-07	4.74E-07	4.29E-07	1.96E-07	1.85E-07	8.84E-09	2.13E-07	4.71E-08	6.43E-08	1.02E-07	1.80E-08	1.22E-08	4.66E-07	2.41E-07	1.02E-07	1.20E-07	4.73E-08	2.41E-07	1.02E-07
1578	494511.06	3858701.99	7.65E-04	7.83E-04	7.39E-04	2.65E-07	7.99E-07	4.63E-07	4.74E-07	4.29E-07	1.96E-07	1.85E-07	8.84E-09	2.13E-07	4.71E-08	6.43E-08	1.02E-07	1.80E-08	1.22E-08	4.66E-07	2.41E-07	1.02E-07	1.20E-07	4.73E-08	2.41E-07	1.02E-07
1579	494561.06	3858701.99	7.59E-04	7.77E-04	7.33E-04	2.63E-07	7.93E-07	4.59E-07	4.70E-07	4.26E-07	1.94E-07	1.83E-07	8.77E-09	2.12E-07	4.67E-08	6.38E-08	1.01E-07	1.78E-08	1.21E-08	4.62E-07	2.39E-07	1.02E-07	1.20E-07	4.69E-08	2.39E-07	1.02E-07
1580	494611.06	3858701.99	7.50E-04	7.68E-04	7.24E-04	2.60E-07	7.84E-07	4.54E-07	4.65E-07	4.21E-07	1.92E-07	1.81E-07	8.67E-09	2.09E-07	4.62E-08	6.31E-08	1.00E-07	1.76E-08	1.20E-08	4.57E-07	2.37E-07	1.00E-07	1.18E-07	4.64E-08	2.37E-07	1.00E-07
1581	494661.06	3858701.99	7.47E-04	7.65E-04	7.21E-04	2.59E-07	7.81E-07	4.52E-07	4.63E-07	4.20E-07	1.91E-07	1.81E-07	8.63E-09	2.09E-07	4.60E-08	6.28E-08	9.97E-08	1.76E-08	1.19E-08	4.55E-07	2.36E-07	1.00E-07	1.18E-07	4.62E-08	2.36E-07	1.00E-07
1582	494711.06	3858701.99	7.29E-04	7.47E-04	7.04E-04	2.52E-07	7.62E-07	4.41E-07	4.52E-07	4.10E-07	1.87E-07	1.76E-07	8.43E-09	2.04E-07	4.49E-08	6.13E-08	9.73E-08	1.72E-08	1.16E-08	4.44E-07	2.30E-07	9.76E-08	1.15E-07	4.51E-08	2.30E-07	9.76E-08
1583	494761.06	3858701.99	7.31E-04	7.48E-04	7.06E-04	2.53E-07	7.64E-07	4.42E-07	4.53E-07	4.10E-07	1.87E-07	1.77E-07	8.44E-09	2.04E-07	4.50E-08	6.15E-08	9.75E-08	1.72E-08	1.17E-08	4.45E-07	2.31E-07	9.78E-08	1.15E-07	4.52E-08	2.31E-07	9.78E-08
1584	494811.06	3858701.99	7.22E-04	7.39E-04	6.97E-04	2.50E-07	7.54E-07	4.37E-07	4.47E-07	4.05E-07	1.85E-07	1.75E-07	8.34E-09	2.02E-07	4.45E-08	6.07E-08	9.63E-08	1.70E-08	1.15E-08	4.40E-07	2.28E-07	9.66E-08	1.14E-07	4.47E-08	2.28E-07	9.66E-08
1585	494861.06	3858701.99	7.14E-04	7.32E-04	6.90E-04	2.47E-07	7.47E-07	4.32E-07	4.43E-07	4.01E-07	1.83E-07	1.73E-07	8.26E-09	1.99E-07	4.40E-08	6.01E-08	9.53E-08	1.68E-08	1.14E-08	4.35E-07	2.25E-07	9.57E-08	1.13E-07	4.42E-08	2.25E-07	9.57E-08
1586	494911.06	3858701.99	7.08E-04	7.26E-04	6.84E-04	2.45E-07	7.40E-07	4.29E-07	4.39E-07	3.98E-07	1.82E-07	1.71E-07	8.19E-09	1.98E-07	4.36E-08	5.96E-08	9.46E-08	1.67E-08	1.13E-08	4.32E-07	2.24E-07	9.49E-08	1.12E-07	4.38E-08	2.24E-07	9.49E-08
1587	494961.06	3858701.99	6.97E-04	7.13E-04	6.73E-04	2.41E-07	7.28E-07	4.21E-07	4.32E-07	3.91E-07	1.79E-07	1.68E-07	8.05E-09	1.95E-07	4.29E-08	5.86E-08	9.30E-08	1.64E-08	1.11E-08	4.25E-07	2.20E-07	9.33E-08	1.10E-07	4.31E-08	2.20E-07	9.33E-08
1588	495011.06	3858701.99	6.89E-04	7.06E-04	6.66E-04	2.39E-07	7.20E-07	4.17E-07	4.27E-07	3.87E-07	1.77E-07	1.67E-07	7.97E-09	1.92E-07	4.25E-08	5.80E-08	9.20E-08	1.62E-08	1.10E-08	4.20E-07	2.18E-07	9.23E-08	1.09E-07	4.27E-08	2.18E-07	9.23E-08
1589	495061.06	3858701.99	6.85E-04	7.01E-04	6.62E-04	2.37E-07	7.16E-07	4.14E-07	4.24E-07	3.85E-07	1.76E-07	1.66E-07	7.92E-09	1.91E-07	4.22E-08	5.76E-08	9.14E-08	1.61E-08	1.09E-08	4.17E-07	2.16E-07	9.17E-08	1.08E-07	4.24E-08	2.16E-07	9.17E-08
1590	495111.06	3858701.99	6.76E-04	6.92E-04	6.53E-04	2.34E-07	7.07E-07	4.09E-07	4.19E-07	3.80E-07	1.73E-07	1.63E-07	7.81E-09	1.89E-07	4.16E-08	5.69E-08	9.02E-08	1.59E-08	1.08E-08	4.12E-07	2.13E-07	9.05E-08	1.06E-07	4.18E-08	2.13E-07	9.05E-08
1591	495161.06	3858701.99	6.72E-04	6.88E-04	6.49E-04	2.32E-07	7.02E-07	4.06E-07	4.16E-07	3.77E-07	1.72E-07	1.62E-07	7.76E-09	1.88E-07	4.14E-08	5.65E-08	8.96E-08	1.58E-08	1.07E-08	4.09E-07	2.12E-07	8.99E-08	1.06E-07	4.16E-08	2.12E-07	8.99E-08
1592	495211.06	3858701.99	6.66E-04	6.82E-04	6.43E-04	2.30E-07	6.96E-07	4.03E-07	4.13E-07	3.74E-07	1.71E-07	1.61E-07	7.69E-09	1.86E-07	4.10E-08	5.60E-08	8.88E-08	1.57E-08	1.06E-08	4.06E-07	2.10E-07	8.91E-08	1.05E-07	4.12E-08	2.10E-07	8.91E-08
1593	495261.06	3858701.99	6.63E-04	6.79E-04	6.40E-04	2.29E-07	6.93E-07	4.01E-07	4.11E-07	3.72E-07	1.70E-07	1.60E-07	7.66E-09	1.85E-07	4.08E-08	5.58E-08	8.85E-08	1.56E-08	1.06E-08	4.04E-07	2.09E-07	8.87E-08	1.04E-07	4.10E-08	2.09E-07	8.87E-08
1594	495311.06	3858701.99	6.60E-04	6.76E-04	6.37E-04	2.28E-07	6.90E-07	3.99E-07	4.09E-07	3.71E-07	1.69E-07	1.60E-07	7.63E-09	1.84E-07	4.06E-08	5.55E-08	8.81E-08	1.55E-08	1.05E-08	4.02E-07	2.08E-07	8.83E-08	1.04E-07	4.08E-08	2.08E-07	8.83E-08
1595	495361.06	3858701.99	6.57E-04	6.73E-04	6.35E-04	2.27E-07	6.86E-07	3.97E-07	4.07E-07	3.69E-07	1.68E-07	1.59E-07	7.59E-09	1.83E-07	4.05E-08	5.53E-08	8.77E-08	1.54E-08	1.05E-08	4.00E-07	2.07E-07	8.79E-08	1.03E-07	4.06E-08	2.07E-07	8.79E-08
1596	495411.06	3858701.99	6.55E-04	6.71E-04	6.33E-04	2.27E-07	6.85E-07	3.96E-07	4.06E-07	3.68E-07	1.68E-07	1.58E-07	7.57E-09	1.83E-07	4.04E-08	5.51E-08	8.75E-08	1.54E-08	1.05E-08	3.99E-07	2.07E-07	8.78E-08	1.03E-07	4.06E-08	2.07E-07	8.78E-08
1597	495461.06	3858701.99	6.52E-04	6.68E-04	6.30E-04	2.26E-07	6.82E-07	3.95E-07	4.04E-07	3.66E-07	1.67E-07	1.58E-07	7.54E-09	1.82E-07	4.02E-08	5.49E-08	8.71E-08	1.53E-08	1.04E-08	3.98E-07	2.06E-07	8.74E-08	1.03E-07	4.04E-08	2.06E-07	8.74E-08
1598	495511.06	3858701.99	6.48E-04	6.64E-04	6.26E-04	2.24E-07	6.77E-07	3.92E-07	4.02E-07	3.64E-07	1.66E-07	1.57E-07	7.49E-09	1.81E-07	3.99E-08	5.45E-08	8.65E-08	1.52E-08	1.03E-08	3.95E-07	2.04E-07	8.68E-08	1.02E-07	4.01E-08	2.04E-07	8.68E-08
1599	495561.06	3858701.99	6.45E-04	6.61E-04	6.23E-04	2.23E-07	6.74E-07	3.90E-07	4.00E-07	3.62E-07	1.65E-07	1.56E-07	7.46E-09	1.80E-07	3.97E-08	5.43E-08	8.61E-08	1.52E-08	1.03E-08	3.93E-07	2.04E-07	8.64E-08	1.02E-07	3.99E-08	2.04E-07	8.64E-08
1600	495611.06	3858701.99	6.41E-04	6.56E-04	6.19E-04	2.22E-07	6.69E-07	3.88E-07	3.97E-07	3.60E-07	1.64E-07	1.55E-07	7.40E-09	1.79E-07	3.95E-08	5.39E-08	8.55E-08	1.51E-08	1.02E-08	3.90E-07	2.02E-07	8.58E-08	1.01E-07	3.96E-08	2.02E-07	8.58E-08
1601	495661.06	3858701.99	6.38E-04	6.53E-04	6.16E-04	2.21E-07	6.66E-07	3.86E-07	3.95E-07	3.58E-07	1.63E-07	1.54E-07	7.37E-09	1.78E-07	3.93E-08	5.36E-08	8.51E-08	1.50E-08	1.02E-08	3.89E-07	2.01E-07	8.54E-08	1.00E-07	3.95E-08	2.01E-07	8.54E-08
1602	494311.06	3858751.99	7.60E-04	7.78E-04	7.34E-04	2.63E-07	7.94E-07	4.60E-07	4.71E-07	4.27E-07	1.95E-07	1.84E-07	8.79E-09	2.12E-07	4.68E-08	6.40E-08	1.01E-07	1.79E-08	1.21E-08	4.63E-07	2.40E-07	1.02E-07	1.20E-07	4.70E-08	2.40E-07	1.02E-07
1603	494361.06	3858751.99	7.81E-04	8.00E-04	7.54E-04	2.70E-07	8.16E-07	4.72E-07	4.84E-07	4.39E-07	2.00E-07	1.89E-07	9.02E-09	2.18E-07	4.81E-08	6.57E-08	1.04E-07	1.84E-08	1.25E-08	4.76E-07	2.46E-07	1.05E-07	1.23E-07	4.83E-08	2.46E-07	1.05E-07
1604	494411.06	3858751.99	7.88E-04	8.07E-04	7.61E-04	2.73E-07	8.24E-07	4.77E-07	4.88E-07	4.43E-07	2.02E-07	1.91E-07	9.11E-09	2.20E-07	4.86E-08	6.63E-08	1.05E-07	1.85E-08	1.26E-08	4.80E-07	2.49E-07	1.06E-07	1.24E-07	4.88E-08	2.49E-07	1.06E-07
1605	494461.06	3858751.99	7.84E-04	8.03E-04	7.57E-04	2.71E-07	8.19E-07	4.74E-07	4.86E-07	4.40E-07	2.01E-07	1.89E-07	9.06E-09	2.19E-07	4.83E-08	6.59E-08	1.05E-07	1.84E-08	1.25E-08	4.78E-07	2.47E-07	1.05E-07	1.23E-07	4.85E-08	2.47E-07	1.05E-07
1606	494511.06	3858751.99	7.85E-04	8.04E-04	7.59E-04	2.72E-07	8.21E-07	4.75E-07	4.87E-07	4.41E-07	2.01E-07	1.90E-07	9.08E-09	2.19E-07	4.84E-08	6.61E-08	1.05E-07	1.85E-08	1.25E-08	4.79E-07	2.48E-07	1.05E-07	1.24E-07	4.86E-08	2.48E-07	1.05E-07
1607	494561.06	3858751.99	7.75E-04	7.94E-04	7.49E-04	2.68E-07	8.10E-07	4.69E-07	4.80E-07	4.35E-07	1.99E-07	1.87E-07	8.96E-09	2.16E-07	4.77E-08	6.52E-08	1.03E-07	1.82E-08	1.24E-08	4.72E-07	2.45E-07	1.04E-07	1.22E-07	4.80E-08	2.45E-07	1.04E-07
1608	494611.06	3858751.99	7.67E-04	7.86E-04	7.41E-04	2.66E-07	8.02E-07	4.64E-07	4.76E-07	4.31E-07	1.97E-07	1.86E-07	8.87E-09	2.14E-07	4.73E-08	6.46E-08	1.02E-07	1.81E-08	1.22E-08	4.68E-07	2.42E-07	1.03E-07	1.21E-07	4.75E-08	2.42E-07	1.03E-07
1609	494661.06	3858751.99	7.60E-04	7.78E-04	7.34E-04	2.63E-07	7.94E-07	4.60E-07	4.71E-07	4.27E-07	1.95E-07	1.84E-07	8.79E-09	2.12E-07	4.68E-08	6.40E-08	1.01E-07	1.79E-08	1.21E-08	4.63E-07	2.40E-07	1.02E-07	1.20E-07	4.70E-08	2.40E-07	1.02E-07
1610	494711.06	3858751.99	7.50E-04	7.68E-04	7.24E-04	2.60E-07	7.84E-07	4.54E-07	4.65E-07	4.21E-07	1.92E-07	1.81E-07	8.67E-09	2.09E-07	4.62E-08	6.31E-08	1.00E-07	1.76E-08	1.20E-08	4.57E-07	2.37E-07	1.00E-07	1.18E-07	4.64E-08	2.37E-07	1.00E-07

1611	494761.06	3858751.99	7.47E-04	7.65E-04	7.21E-04	2.59E-07	7.81E-07	4.52E-07	4.63E-07	4.20E-07	1.91E-07	1.81E-07	8.63E-09	2.09E-07	4.60E-08	6.28E-08	9.97E-08	1.76E-08	1.19E-08	4.55E-07	2.36E-07	1.00E-07	1.18E-07	4.62E-08	2.36E-07	1.00E-07
1612	494811.06	3858751.99	7.36E-04	7.54E-04	7.11E-04	2.55E-07	7.70E-07	4.46E-07	4.56E-07	4.14E-07	1.89E-07	1.78E-07	8.51E-09	2.06E-07	4.54E-08	6.20E-08	9.83E-08	1.73E-08	1.17E-08	4.49E-07	2.32E-07	9.86E-08	1.16E-07	4.56E-08	2.32E-07	9.86E-08
1613	494861.06	3858751.99	7.28E-04	7.45E-04	7.03E-04	2.52E-07	7.60E-07	4.40E-07	4.51E-07	4.09E-07	1.87E-07	1.76E-07	8.41E-09	2.03E-07	4.48E-08	6.12E-08	9.71E-08	1.71E-08	1.16E-08	4.43E-07	2.30E-07	9.74E-08	1.15E-07	4.50E-08	2.30E-07	9.74E-08
1614	494911.06	3858751.99	7.19E-04	7.36E-04	6.94E-04	2.49E-07	7.51E-07	4.35E-07	4.45E-07	4.04E-07	1.84E-07	1.74E-07	8.31E-09	2.01E-07	4.43E-08	6.05E-08	9.59E-08	1.69E-08	1.15E-08	4.38E-07	2.27E-07	9.62E-08	1.13E-07	4.45E-08	2.27E-07	9.62E-08
1615	494961.06	3858751.99	7.11E-04	7.29E-04	6.87E-04	2.46E-07	7.44E-07	4.30E-07	4.41E-07	4.00E-07	1.82E-07	1.72E-07	8.22E-09	1.99E-07	4.38E-08	5.99E-08	9.50E-08	1.67E-08	1.13E-08	4.34E-07	2.25E-07	9.53E-08	1.12E-07	4.40E-08	2.25E-07	9.53E-08
1616	495011.06	3858751.99	7.05E-04	7.23E-04	6.82E-04	2.44E-07	7.37E-07	4.27E-07	4.37E-07	3.96E-07	1.81E-07	1.71E-07	8.15E-09	1.97E-07	4.35E-08	5.94E-08	9.42E-08	1.66E-08	1.13E-08	4.30E-07	2.23E-07	9.45E-08	1.11E-07	4.37E-08	2.23E-07	9.45E-08
1617	495061.06	3858751.99	6.98E-04	7.15E-04	6.74E-04	2.42E-07	7.30E-07	4.22E-07	4.33E-07	3.92E-07	1.79E-07	1.69E-07	8.07E-09	1.95E-07	4.30E-08	5.87E-08	9.32E-08	1.64E-08	1.11E-08	4.25E-07	2.20E-07	9.35E-08	1.10E-07	4.32E-08	2.20E-07	9.35E-08
1618	495111.06	3858751.99	6.91E-04	7.07E-04	6.67E-04	2.39E-07	7.22E-07	4.18E-07	4.28E-07	3.88E-07	1.77E-07	1.67E-07	7.98E-09	1.93E-07	4.26E-08	5.81E-08	9.22E-08	1.62E-08	1.10E-08	4.21E-07	2.18E-07	9.25E-08	1.09E-07	4.27E-08	2.18E-07	9.25E-08
1619	495161.06	3858751.99	6.85E-04	7.01E-04	6.62E-04	2.37E-07	7.16E-07	4.14E-07	4.24E-07	3.85E-07	1.76E-07	1.66E-07	7.92E-09	1.91E-07	4.22E-08	5.76E-08	9.14E-08	1.61E-08	1.09E-08	4.17E-07	2.16E-07	9.17E-08	1.08E-07	4.24E-08	2.16E-07	9.17E-08
1620	495211.06	3858751.99	6.79E-04	6.95E-04	6.56E-04	2.35E-07	7.10E-07	4.11E-07	4.21E-07	3.81E-07	1.74E-07	1.64E-07	7.85E-09	1.90E-07	4.18E-08	5.71E-08	9.06E-08	1.60E-08	1.08E-08	4.14E-07	2.14E-07	9.09E-08	1.07E-07	4.20E-08	2.14E-07	9.09E-08
1621	495261.06	3858751.99	6.76E-04	6.92E-04	6.53E-04	2.34E-07	7.07E-07	4.09E-07	4.19E-07	3.80E-07	1.73E-07	1.63E-07	7.81E-09	1.89E-07	4.16E-08	5.69E-08	9.02E-08	1.59E-08	1.08E-08	4.12E-07	2.13E-07	9.05E-08	1.06E-07	4.18E-08	2.13E-07	9.05E-08
1622	495311.06	3858751.99	6.73E-04	6.89E-04	6.50E-04	2.33E-07	7.03E-07	4.07E-07	4.17E-07	3.78E-07	1.73E-07	1.63E-07	7.78E-09	1.88E-07	4.15E-08	5.66E-08	8.98E-08	1.58E-08	1.07E-08	4.10E-07	2.12E-07	9.01E-08	1.06E-07	4.17E-08	2.12E-07	9.01E-08
1623	495361.06	3858751.99	6.70E-04	6.86E-04	6.47E-04	2.32E-07	7.00E-07	4.05E-07	4.15E-07	3.76E-07	1.72E-07	1.62E-07	7.75E-09	1.87E-07	4.13E-08	5.64E-08	8.94E-08	1.58E-08	1.07E-08	4.08E-07	2.11E-07	8.97E-08	1.06E-07	4.15E-08	2.11E-07	8.97E-08
1624	495411.06	3858751.99	6.69E-04	6.85E-04	6.46E-04	2.31E-07	6.99E-07	4.05E-07	4.14E-07	3.76E-07	1.71E-07	1.62E-07	7.73E-09	1.87E-07	4.12E-08	5.63E-08	8.92E-08	1.57E-08	1.07E-08	4.07E-07	2.11E-07	8.95E-08	1.05E-07	4.14E-08	2.11E-07	8.95E-08
1625	495461.06	3858751.99	6.66E-04	6.82E-04	6.43E-04	2.30E-07	6.96E-07	4.03E-07	4.13E-07	3.74E-07	1.71E-07	1.61E-07	7.69E-09	1.86E-07	4.10E-08	5.60E-08	8.88E-08	1.57E-08	1.06E-08	4.06E-07	2.10E-07	8.91E-08	1.05E-07	4.12E-08	2.10E-07	8.91E-08
1626	495511.06	3858751.99	6.61E-04	6.77E-04	6.39E-04	2.29E-07	6.91E-07	4.00E-07	4.10E-07	3.71E-07	1.69E-07	1.60E-07	7.64E-09	1.85E-07	4.07E-08	5.56E-08	8.83E-08	1.56E-08	1.05E-08	4.03E-07	2.09E-07	8.85E-08	1.04E-07	4.09E-08	2.09E-07	8.85E-08
1627	495561.06	3858751.99	6.57E-04	6.73E-04	6.35E-04	2.27E-07	6.86E-07	3.97E-07	4.07E-07	3.69E-07	1.68E-07	1.59E-07	7.59E-09	1.83E-07	4.05E-08	5.53E-08	8.77E-08	1.54E-08	1.05E-08	4.00E-07	2.07E-07	8.79E-08	1.03E-07	4.06E-08	2.07E-07	8.79E-08
1628	495611.06	3858751.99	6.52E-04	6.68E-04	6.30E-04	2.26E-07	6.82E-07	3.95E-07	4.04E-07	3.66E-07	1.67E-07	1.58E-07	7.54E-09	1.82E-07	4.02E-08	5.49E-08	8.71E-08	1.53E-08	1.04E-08	3.98E-07	2.06E-07	8.74E-08	1.03E-07	4.04E-08	2.06E-07	8.74E-08
1629	495661.06	3858751.99	6.49E-04	6.65E-04	6.27E-04	2.25E-07	6.79E-07	3.93E-07	4.02E-07	3.65E-07	1.66E-07	1.57E-07	7.51E-09	1.81E-07	4.00E-08	5.46E-08	8.67E-08	1.53E-08	1.04E-08	3.96E-07	2.05E-07	8.70E-08	1.02E-07	4.02E-08	2.05E-07	8.70E-08
1630	494311.06	3858801.99	7.84E-04	8.03E-04	7.57E-04	2.71E-07	8.19E-07	4.74E-07	4.86E-07	4.40E-07	2.01E-07	1.89E-07	9.06E-09	2.19E-07	4.83E-08	6.59E-08	1.05E-07	1.84E-08	1.25E-08	4.78E-07	2.47E-07	1.05E-07	1.23E-07	4.85E-08	2.47E-07	1.05E-07
1631	494361.06	3858801.99	8.03E-04	8.22E-04	7.76E-04	2.78E-07	8.39E-07	4.86E-07	4.98E-07	4.51E-07	2.06E-07	1.94E-07	9.28E-09	2.24E-07	4.95E-08	6.76E-08	1.07E-07	1.89E-08	1.28E-08	4.89E-07	2.53E-07	1.08E-07	1.26E-07	4.97E-08	2.53E-07	1.08E-07
1632	494411.06	3858801.99	8.04E-04	8.24E-04	7.77E-04	2.78E-07	8.41E-07	4.87E-07	4.98E-07	4.52E-07	2.06E-07	1.94E-07	9.30E-09	2.25E-07	4.96E-08	6.77E-08	1.07E-07	1.89E-08	1.28E-08	4.90E-07	2.54E-07	1.08E-07	1.27E-07	4.98E-08	2.54E-07	1.08E-07
1633	494461.06	3858801.99	8.04E-04	8.24E-04	7.77E-04	2.78E-07	8.41E-07	4.87E-07	4.98E-07	4.52E-07	2.06E-07	1.94E-07	9.30E-09	2.25E-07	4.96E-08	6.77E-08	1.07E-07	1.89E-08	1.28E-08	4.90E-07	2.54E-07	1.08E-07	1.27E-07	4.98E-08	2.54E-07	1.08E-07
1634	494511.06	3858801.99	8.04E-04	8.24E-04	7.77E-04	2.78E-07	8.41E-07	4.87E-07	4.98E-07	4.52E-07	2.06E-07	1.94E-07	9.30E-09	2.25E-07	4.96E-08	6.77E-08	1.07E-07	1.89E-08	1.28E-08	4.90E-07	2.54E-07	1.08E-07	1.27E-07	4.98E-08	2.54E-07	1.08E-07
1635	494561.06	3858801.99	8.00E-04	8.19E-04	7.73E-04	2.77E-07	8.36E-07	4.84E-07	4.96E-07	4.49E-07	2.05E-07	1.93E-07	9.25E-09	2.23E-07	4.93E-08	6.73E-08	1.07E-07	1.88E-08	1.28E-08	4.88E-07	2.52E-07	1.07E-07	1.26E-07	4.95E-08	2.52E-07	1.07E-07
1636	494611.06	3858801.99	7.93E-04	8.12E-04	7.66E-04	2.74E-07	8.28E-07	4.80E-07	4.91E-07	4.45E-07	2.03E-07	1.92E-07	9.16E-09	2.21E-07	4.88E-08	6.67E-08	1.06E-07	1.86E-08	1.26E-08	4.83E-07	2.50E-07	1.06E-07	1.25E-07	4.90E-08	2.50E-07	1.06E-07
1637	494661.06	3858801.99	7.84E-04	8.03E-04	7.57E-04	2.71E-07	8.19E-07	4.74E-07	4.86E-07	4.40E-07	2.01E-07	1.89E-07	9.06E-09	2.19E-07	4.83E-08	6.59E-08	1.05E-07	1.84E-08	1.25E-08	4.78E-07	2.47E-07	1.05E-07	1.23E-07	4.85E-08	2.47E-07	1.05E-07
1638	494711.06	3858801.99	7.73E-04	7.92E-04	7.47E-04	2.68E-07	8.08E-07	4.68E-07	4.79E-07	4.34E-07	1.98E-07	1.87E-07	8.94E-09	2.16E-07	4.76E-08	6.51E-08	1.03E-07	1.82E-08	1.23E-08	4.71E-07	2.44E-07	1.04E-07	1.22E-07	4.79E-08	2.44E-07	1.04E-07
1639	494761.06	3858801.99	7.62E-04	7.80E-04	7.36E-04	2.64E-07	7.96E-07	4.61E-07	4.72E-07	4.28E-07	1.95E-07	1.84E-07	8.80E-09	2.13E-07	4.69E-08	6.41E-08	1.02E-07	1.79E-08	1.21E-08	4.64E-07	2.40E-07	1.02E-07	1.20E-07	4.71E-08	2.40E-07	1.02E-07
1640	494811.06	3858801.99	7.50E-04	7.68E-04	7.24E-04	2.60E-07	7.84E-07	4.54E-07	4.65E-07	4.21E-07	1.92E-07	1.81E-07	8.67E-09	2.09E-07	4.62E-08	6.31E-08	1.00E-07	1.76E-08	1.20E-08	4.57E-07	2.37E-07	1.00E-07	1.18E-07	4.64E-08	2.37E-07	1.00E-07
1641	494861.06	3858801.99	7.42E-04	7.60E-04	7.17E-04	2.57E-07	7.76E-07	4.49E-07	4.60E-07	4.17E-07	1.90E-07	1.79E-07	8.58E-09	2.07E-07	4.57E-08	6.25E-08	9.91E-08	1.75E-08	1.18E-08	4.52E-07	2.34E-07	9.94E-08	1.17E-07	4.59E-08	2.34E-07	9.94E-08
1642	494911.06	3858801.99	7.34E-04	7.51E-04	7.09E-04	2.54E-07	7.67E-07	4.44E-07	4.55E-07	4.12E-07	1.88E-07	1.77E-07	8.48E-09	2.05E-07	4.52E-08	6.17E-08	9.79E-08	1.73E-08	1.17E-08	4.47E-07	2.32E-07	9.82E-08	1.16E-07	4.54E-08	2.32E-07	9.82E-08
1643	494961.06	3858801.99	7.26E-04	7.44E-04	7.02E-04	2.51E-07	7.59E-07	4.39E-07	4.50E-07	4.08E-07	1.86E-07	1.76E-07	8.39E-09	2.03E-07	4.47E-08	6.11E-08	9.69E-08	1.71E-08	1.16E-08	4.43E-07	2.29E-07	9.72E-08	1.14E-07	4.49E-08	2.29E-07	9.72E-08
1644	495011.06	3858801.99	7.19E-04	7.36E-04	6.94E-04	2.49E-07	7.51E-07	4.35E-07	4.45E-07	4.04E-07	1.84E-07	1.74E-07	8.31E-09	2.01E-07	4.43E-08	6.05E-08	9.59E-08	1.69E-08	1.15E-08	4.38E-07	2.27E-07	9.62E-08	1.13E-07	4.45E-08	2.27E-07	9.62E-08
1645	495061.06	3858801.99	7.13E-04	7.30E-04	6.89E-04	2.47E-07	7.45E-07	4.31E-07	4.42E-07	4.00E-07	1.83E-07	1.72E-07	8.24E-09	1.99E-07	4.39E-08	6.00E-08	9.52E-08	1.68E-08	1.14E-08	4.34E-07	2.25E-07	9.55E-08	1.12E-07	4.41E-08	2.25E-07	9.55E-08
1646	495111.06	3858801.99	7.04E-04	7.21E-04	6.80E-04	2.44E-07	7.36E-07	4.26E-07	4.36E-07	3.95E-07	1.80E-07	1.70E-07	8.14E-09	1.97E-07	4.34E-08	5.92E-08	9.40E-08	1.66E-08	1.12E-08	4.29E-07	2.22E-07	9.43E-08	1.11E-07	4.36E-08	2.22E-07	9.43E-08
1647	495161.06	3858801.99	6.97E-04	7.13E-04	6.73E-04	2.41E-07	7.28E-07	4.21E-07	4.32E-07	3.91E-07	1.79E-07	1.68E-07	8.05E-09	1.95E-07	4.29E-08	5.86E-08	9.30E-08	1.64E-08	1.11E-08	4.25E-07	2.20E-07	9.33E-08	1.10E-07	4.31E-08	2.20E-07	9.33E-08
1648	495211.06	3858801.99	6.92E-04	7.09E-04	6.69E-04	2.40E-07	7.23E-07	4.19E-07	4.29E-07	3.89E-07	1.77E-07	1.67E-07	8.00E-09	1.93E-07	4.26E-08	5.82E-08	9.24E-08	1.63E-08	1.10E-08	4.22E-07	2.18E-07	9.27E-08	1.09E-07	4.28E-08	2.18E-07	9.27E-08
1649	495261.06	3858801.99	6.89E-04	7.06E-04	6.66E-04	2.39E-07	7.20E-07	4.17E-07	4.27E-07	3.87E-07	1.77E-07	1.67E-07	7.97E-09	1.92E-07	4.25E-08	5.80E-08	9.20E-08	1.62E-08	1.10E-08	4.20E-07	2.18E-07	9.23E-08	1.09E-07	4.27E-08	2.18E-07	9.23E-08
1650	495311.06	3858801.99	6.86E-04	7.03E-04	6.63E-04	2.38E-07	7.17E-07	4.15E-07	4.25E-07	3.86E-07	1.76E-07	1.66E-07	7.93E-09	1.92E-07	4.23E-08	5.77E-08	9.16E-08	1.61E-08	1.09E-08	4.18E-07	2.17E-07	9.19E-08	1.08E-07	4.25E-08	2.17E-07	9.19E-08
1651	495361.06	3858801.99	6.83E-04	7.00E-04	6.60E-04	2.37E-07	7.14E-07	4.13E-07	4.23E-07	3.84E-07	1.75E-07	1.65E-07	7.90E-09	1.91E-07	4.21E-08	5.75E-08	9.12E-08	1.61E-08	1.09E-08	4.16E-07	2.16E-07	9.15E-08	1.08E-07	4.23E-08	2.16E-07	9.15E-08
1652	495411.06	3858801.99	6.82E-04	6.98E-04	6.59E-04	2.36E-07	7.13E-07	4.13E-07	4.23E-07	3.83E-07	1.75E-07	1.65E-07	7.88E-09	1.90E-07	4.20E-08	5.74E-08	9.10E-08	1.60E-08	1.09E-08	4.16E-07	2.15E-07	9.13E-08	1.07E-07	4.22E-08	2.15E-07	9.13E-08
1653	495461.06	3858801.99	6.79E-04	6.95E-04	6.56E-04	2.35E-07	7.10E-07	4.11E-07	4.21E-07	3.81E-07	1.74E-07	1.64E-07	7.85E-09	1.90E-07	4.18E-08	5.71E-08	9.06E-08	1.60E-08	1.08E-08	4.14E-07	2.14E-07	9.09E-08	1.07E-07	4.20E-08	2.14E-07	9.09E-08
1654	495511.06	3858801.99	6.74E-04	6.91E-04	6.52E-04	2.33E-07	7.05E-07	4.08E-07	4.18E-07	3.79E-07	1.73E-07	1.63E-07	7.80E-09	1.88E-07	4.16E-08	5.68E-08	9.00E-08	1.59E-08	1.08E-08	4.11E-07	2.13E-07	9.03E-08	1.06E-07	4.17E-08	2.13E-07	9.03E-08
1655	495561.06	3858801.99	6.72E-04	6.88E-04	6.49E-04	2.32E-07	7.02E-07	4.06E-07	4.16E-07	3.77E-07	1.72E-07	1.62E-07	7.76E-09	1.88E-07	4.14E-08	5.65E-08	8.96E-08	1.58E-08	1.07E-08	4.09E-07	2.12E-07	8.99E-08	1.06E-07	4.16E-08	2.12E-07	8.99E-08
1656	495611.06	3858801.99	6.66E-04	6.82E-04	6.43E-04	2.30E-07	6.96E-07	4.03E-07	4.13E-07	3.74E-07	1.71E-07	1.61E-07	7.69E-09	1.86E-07	4.10E-08	5.60E-08	8.88E-08	1.57E-08	1.06E-08	4.06E-07	2.10E-07	8.91E-08	1.05E-07	4.12E-08	2.10E-07	8.91E-08
1657	495661.06	3858801.99	6.63E-04	6.79E-04	6.40E-04	2.29E-07	6.93E-07	4.01E-07	4.11E-07	3.72E-07	1.70E-07	1.60E-07	7.66E-09	1.85E-07	4.08E-08	5.58E-08	8.85E-08	1.56E-08	1.06E-08	4.04E-07	2.09E-07	8.87E-08	1.04E-07	4.10E-08	2.09E-07	8.87E-08
1658	494311.06	3858851.99	8.22E-04	8.42E-04	7.94E-04	2.85E-07	8.59E-07	4.97E-07	5.09E-07	4.62E-07	2.11E-07	1.99E-07	9.50E-09	2.30E-07	5.06E-08	6.92E-08	1.10E-07	1.93E-08	1.31E-08	5.01E-07	2.59E-07	1.10E-07	1.30E-07	5.09E-08	2.59E-07	1.10E-07
1659	494361.06	3858851.99	8.32E-04	8.53E-04	8.04E-04	2.88E-07	8.70E-07	5.04E-07	5.16E-07	4.68E-07	2.13E-07	2.01E-07	9.62E-09	2.32E-07	5.13E-08	7.00E-08	1.11E-07	1.96E-08	1.33E-08	5.07E-07	2.63E-07	1.11E-07	1.31E-07	5.15E-08	2.63E-07	1.11E-07
1660	494411.06	3858851.99	8.28E-04	8.48E-04	8.00E-04	2.87E-07	8.65E-07	5.01E-07	5.13E-07	4.65E-07	2.12E-07	2.00E-07	9.57E-09	2.31E-07	5.10E-08	6.97E-08	1.11E-07	1.95E-08	1.32E-08	5.05E-07	2.61E-07	1.11E-07	1.30E-07	5.12E-08	2.61E-07	1.11E-07
1661	494461.06	3858851.99	8.25E-04	8.45E-04	7.97E-04	2.86E-07	8.62E-07	4.99E-07	5.11E-07	4.63E-07	2.11E-07	1.99E-07	9.54E-09	2.30E-07	5.08E-08	6.94E-08	1.10E-07	1.94E-08	1.32E-08	5.03E-07	2.60E-07	1.10E-07	1.30E-07	5.11E-08	2.60E-07	1.10E-07
1662	494511.06	3858851.99	8.25E-04	8.45E-04	7.97E-04	2.86E-07	8.62E-07	4.99E-07	5.11E-07	4.63E-07	2.11E-07	1.99E-07	9.54E-09	2.30E-07	5.08E-08	6.94E-08	1.10E-07	1.94E-08	1.32E-08	5.03E-07	2.60E-07	1.10E-07	1.30E-07	5.11E-08	2.60E-07	1.10E-07
1663	494561.06	3858851.99	8.19E-04	8.39E-04	7.91E-04	2.84E-07	8.56E-07	4.96E-07	5.08E-07	4.60E-07	2.10E-07	1.98E-07	9.47E-09	2.29E-07	5.05E-08	6.89E-08	1.09E-07	1.93E-08	1.31E-08	4.99E-07	2.59E-07	1.10E-07	1.29E-07	5.07E-08	2.59E-07	1.10E-07
1664	494611.06	3858851.99	8.10E-04	8.30E-04	7.83E-04	2.80E-07	8.47E-07	4.90E-07	5.02E-07	4.55E-07	2.08E-07	1.96E-07	9.37E-09	2.26E-07	4.99E-08	6.82E-08	1.08E-07	1.91E-08	1.29E-08	4.94E-07	2.56E-07	1.09E-07	1.28E-07	5.01E-08	2.56E-07	1.09E-07
1665	494661.06	3858851.99	8.01E-04	8.21E-04	7.74E-04	2.77E-07	8.38E-07	4.85E-07	4.97E-07	4.50E-07	2.05E-07	1.94E-07	9.26E-09	2.24E-07	4.94E-08	6.74E-08	1.07E-07	1.89E-08	1.28E-08	4.88E-07	2.53E-07	1.07E-07	1.26E-07	4.96E-08	2.53E-07	1.07E-07
1666	494711.06	3858851.99	7.88E-04	8.07E-04	7.61E-04	2.73E-07	8.24E-07	4.77E-07	4.88E-07	4.43E-07	2.02E-07	1.91E-07	9.11E-09	2.20E-07	4.86E-08	6.63E-08	1.05E-07	1.85E-08	1.26E-08	4.80E-07	2.49E-07	1.06E-07	1.24E-07	4.88E-08	2.49E-07	1.06E-07
1667	494761.06	3858851.99	7.76E-04	7.95E-04	7.50E-04	2.69E-07	8.11E-07	4.70E-07	4.81E-07	4.36E-07	1.99E-07	1.88E-07	8.97E-09	2.17E-07	4.78E-08	6.53E-08	1.04E-07	1.83E-08	1.24E-08	4.73E-07	2.45E-07	1.04E-07	1.22E-07	4.80E-08	2.45E-07	1.04E-07
1668	494811.06	3858851.99	7.67E-04	7.86E-04	7.41E-04	2.66E-07	8.02E-07	4.64E-07	4.76E-07	4.31E-07	1.97E-07	1.86E-07	8.87E-09	2.14E-07	4.73E-08	6.46E-08	1.02E-07	1.81E-08	1.22E-08	4.68E-07	2.42E-07	1.03E-07	1.21E-07	4.75E-08	2.42E-07	1.03E-07
1669	494861.06	3858851.99	7.60E-04	7.78E-04	7.34E-04	2.63E-07	7.94E-07	4.60E-07	4.71E-07	4.27E-07	1.95E-07	1.84E-07	8.79E-09	2.12E-07	4.68E-08	6.40E-08	1.01E-07	1.79E-08	1.21E-08	4.63E-07	2.40E-07	1.02E-07	1.20E-07	4.70E-08	2.40E-07	1.02E-07
1670	494911.06	3858851.99	7.50E-04	7.68E-04	7.24E-04	2.60E-07	7.84E-07	4.54E-07	4.65E-07	4.21E-07	1.92E-07	1.81E-07	8.67E-09	2.09E-07	4.62E-08	6.31E-08	1.00E-07	1.76E-08	1.20E-08	4.57E-07	2.37E-07	1.00E-07	1.18E-07	4.64E-08	2.37E-07	1.00E-07
1671	494961.06	3858851.99	7.42E-04	7.60E-04	7.17E-04	2.57E-07	7.76E-07	4.49E-07	4.60E-07	4.17E-07	1.90E-07	1.79E-07	8.58E-09	2.07E-07	4.57E-08	6.25E-08	9.91E-08	1.75E-08	1.18E-08	4.52E-07	2.34E-07	9.94E-08	1.17E-07	4.59E-08	2.34E-07	9.94E-08
1672	495011.06	3858851.99	7.35E-04	7.53E-04	7.10E-04	2.54E-07	7.68E-07	4.45E-07	4.55E-07	4.13E-07	1.88E-07	1.78E-07	8.50E-09	2.05E-07	4.53E-08	6.18E-08	9.81E-08	1.73E-08	1.17E-08	4.48E-07	2.32E-07	9.84E-08	1.16E-07	4.55E-08	2.32E-07	9.84E-08
1673	495061.06	3858851.99	7.28E-04	7.45E-04	7.03E-04	2.52E-07	7.60E-07	4.40E-07	4.51E-07	4.09E-07	1.87E-07	1.76E-07	8.41E-09	2.03E-07	4.48E-08	6.12E-08	9.71E-08	1.71E-08	1.16E-08	4.43E-07	2.30E-07	9.74E-08	1.15E-07	4.50E-08	2.30E-07	9.74E-08
1674	495111.06	3858851.99	7.16E-04	7.33E-04	6.92E-04	2.48E-07	7.48E-07	4.33E-07	4.44E-07	4.02E-07	1.83E-07	1.73E-07	8.27E-09	2.00E-07	4.41E-08	6.02E-08	9.55E-08	1.68E-08	1.14E-08	4.36E-07	2.26E-07	9.59E-08	1.13E-07	4.43E-08	2.26E-07	9.59E-08
1675	495161.06	3858851.99	7.08E-04	7.26E-04	6.84E-04	2.45E-07	7.40E-07	4.29E-07	4.39E-07	3.98E-07	1.82E-07	1.71E-07	8.19E-09	1.98E-07	4.36E-08	5.96E-08	9.46E-08	1.67E-08	1.13E-08	4.32E-07	2.24E-07	9.49E-08	1.12E-07	4.38E-08	2.24E-07	9.49E-08
1676	495211.06	3858851.99	7.07E-04	7.24E-04	6.83E-04	2.45E-07	7.39E-07	4.28E-07	4.38E-07	3.97E-07	1.81E-07	1.71E-07	8.17E-09	1.97E-07	4.36E-08	5.95E-08	9.44E-08	1.66E-08	1.13E-08	4.31E-07	2.23E-07	9.47E-08	1.11E-07	4.38E-08	2.23E-07	9.47E-08
1677	495261.06	3858851.99	7.04E-04	7.21E-04	6.80E-04	2.44E-07	7.36E-07	4.26E-07	4.36E-07	3.95E-07	1.80E-07	1.70E-07	8.14E-09	1.97E-07	4.34E-08	5.92E-08	9.40E-08	1.66E-08	1.12E-08	4.29E-07	2.22E-07	9.43E-08	1.11E-07	4.36E-08	2.22E-07	9.43E-08
1678	495311.06	3858851.99	7.01E-04	7.18E-04	6.77E-04	2.43E-07	7.33E-07	4.24E-07	4.34E-07	3.94E-07	1.80E-07	1.70E-07	8.10E-09	1.96E-07	4.32E-08	5.90E-08	9.36E-08	1.65E-08	1.12E-08	4.27E-07	2.21E-07	9.39E-08	1.10E-07	4.34E-08	2.21E-07	9.39E-08
1679	495361.06	3858851.99	6.98E-04	7.15E-04	6.74E-04	2.42E-07	7.30E-07	4.22E-07	4.33E-07	3.92E-07	1.79E-07	1.69E-07	8.07E-09	1.95E-07	4.30E-08	5.87E-08	9.32E-08	1.64E-08	1.11E-08	4.25E-07	2.20E-07	9.35E-08	1.10E-07	4.32E-08	2.20E-07	9.35E-08
1680	495411.06	3858851.99	6.95E-04	7.12E-04	6.72E-04	2.41E-07	7.27E-07	4.21E-07	4.31E-07	3.91E-07	1.78E-07	1.68E-07	8.04E-09	1.94E-07	4.28E-08	5.85E-08	9.28E-08	1.64E-08	1.11E-08	4.24E-07	2.19E-07	9.31E-08	1.10E-07	4.30E-08	2.19E-07	9.31E-08
1681	495461.06	3858851.99	6.92E-04	7.09E-04	6.69E-04	2.40E-07	7.23E-07	4.19E-07	4.29E-07	3.89E-07	1.77E-07	1.67E-07	8.00E-09	1.93E-07	4.26E-08	5.82E-08	9.24E-08	1.63E-08	1.10E-08	4.22E-07	2.18E-07	9.27E-08	1.09E-07	4.28E-08	2.18E-07	9.27E-08
1682	495511.06	3858851.99	6.88E-04	7.04E-04	6.64E-04	2.38E-07	7.19E-07	4.16E-07	4.26E-07	3.86E-07	1.76E-07	1.66E-07	7.95E-09	1.92E-07	4.24E-08	5.79E-08	9.18E-08	1.62E-08	1.10E-08	4.19E-07	2.17E-07	9.21E-08	1.08E-07	4.26E-08	2.17E-07	9.21E-08
1683	495561.06	3858851.99	6.83E-04	7.00E-04	6.60E-04	2.37E-07	7.14E-07	4.13E-07	4.23E-07	3.84E-07	1.75E-07	1.65E-07	7.90E-09	1.91E-07	4.21E-08	5.75E-08	9.12E-08	1.61E-08	1.09E-08	4.16E-07	2.16E-07	9.15E-08	1.08E-07	4.23E-08	2.16E-07	9.15E-08
1684	495611.06	3858851.99	6.77E-04	6.94E-04	6.54E-04	2.35E-07	7.08E-07	4.10E-07	4.20E-07	3.81E-07	1.74E-07	1.64E-07	7.83E-09	1.89E-07	4.17E-08	5.70E-08	9.04E-08	1.59E-08	1.08E-08	4.13E-07	2.14E-07	9.07E-08	1.07E-07	4.19E-08	2.14E-07	9.07E-08
1685	495661.06	3858851.99	6.74E-04	6.91E-04	6.52E-04	2.33E-07	7.05E-07	4.08E-07	4.18E-07	3.79E-07	1.73E-07	1.63E-07	7.80E-09	1.88E-07	4.16E-08	5.68E-08	9.00E-08	1.59E-08	1.08E-08	4.11E-07	2.13E-07	9.03E-08	1.06E-07	4.17E-08	2.13E-07	9.03E-08
1686	494311.06	3858901.99	8.49E-04	8.69E-04	8.20E-04	2.94E-07	8.87E-07	5.13E-07	5.26E-07	4.77E-07	2.18E-07	2.05E-07	9.81E-09	2.37E-07	5.23E-08	7.14E-08	1.13E-07	2.00E-08	1.35E-08	5.17E-07	2.68E-07	1.14E-07	1.34E-07	5.25E-08	2.68E-07	1.14E-07
1687	494361.06	3858901.99	8.55E-04	8.75E-04	8.26E-04	2.96E-07	8.93E-07	5.17E-07	5.30E-07	4.80E-07	2.19E-07	2.07E-07	9.88E-09	2.39E-07	5.27E-08	7.19E-08	1.14E-07	2.01E-08	1.36E-08	5.21E-07	2.70E-07	1.14E-07	1.35E-07	5.29E-08	2.70E-07	1.14E-07

1688	494411.06	3858901.99	8.52E-04	8.72E-04	8.23E-04	2.95E-07	8.90E-07	5.15E-07	5.28E-07	4.78E-07	2.18E-07	2.06E-07	9.84E-09	2.38E-07	5.25E-08	7.17E-08	1.14E-07	2.00E-08	1.36E-08	5.19E-07	2.69E-07	1.14E-07	1.34E-07	5.27E-08	2.69E-07	1.14E-07
1689	494461.06	3858901.99	8.53E-04	8.74E-04	8.24E-04	2.95E-07	8.92E-07	5.16E-07	5.29E-07	4.79E-07	2.19E-07	2.06E-07	9.86E-09	2.38E-07	5.26E-08	7.18E-08	1.14E-07	2.01E-08	1.36E-08	5.20E-07	2.69E-07	1.14E-07	1.34E-07	5.28E-08	2.69E-07	1.14E-07
1690	494511.06	3858901.99	8.49E-04	8.69E-04	8.20E-04	2.94E-07	8.87E-07	5.13E-07	5.26E-07	4.77E-07	2.18E-07	2.05E-07	9.81E-09	2.37E-07	5.23E-08	7.14E-08	1.13E-07	2.00E-08	1.35E-08	5.17E-07	2.68E-07	1.14E-07	1.34E-07	5.25E-08	2.68E-07	1.14E-07
1691	494561.06	3858901.99	8.40E-04	8.60E-04	8.11E-04	2.91E-07	8.78E-07	5.08E-07	5.20E-07	4.72E-07	2.15E-07	2.03E-07	9.71E-09	2.34E-07	5.17E-08	7.07E-08	1.12E-07	1.98E-08	1.34E-08	5.12E-07	2.65E-07	1.12E-07	1.32E-07	5.20E-08	2.65E-07	1.12E-07
1692	494611.06	3858901.99	8.26E-04	8.47E-04	7.98E-04	2.86E-07	8.64E-07	5.00E-07	5.12E-07	4.64E-07	2.12E-07	2.00E-07	9.55E-09	2.31E-07	5.09E-08	6.95E-08	1.10E-07	1.94E-08	1.32E-08	5.04E-07	2.61E-07	1.11E-07	1.30E-07	5.12E-08	2.61E-07	1.11E-07
1693	494661.06	3858901.99	8.19E-04	8.39E-04	7.91E-04	2.84E-07	8.56E-07	4.96E-07	5.08E-07	4.60E-07	2.10E-07	1.98E-07	9.47E-09	2.29E-07	5.05E-08	6.89E-08	1.09E-07	1.93E-08	1.31E-08	4.99E-07	2.59E-07	1.10E-07	1.29E-07	5.07E-08	2.59E-07	1.10E-07
1694	494711.06	3858901.99	8.07E-04	8.27E-04	7.80E-04	2.79E-07	8.44E-07	4.88E-07	5.00E-07	4.54E-07	2.07E-07	1.95E-07	9.33E-09	2.25E-07	4.97E-08	6.79E-08	1.08E-07	1.90E-08	1.29E-08	4.92E-07	2.55E-07	1.08E-07	1.27E-07	5.00E-08	2.55E-07	1.08E-07
1695	494761.06	3858901.99	7.94E-04	8.13E-04	7.67E-04	2.75E-07	8.30E-07	4.80E-07	4.92E-07	4.46E-07	2.04E-07	1.92E-07	9.18E-09	2.22E-07	4.89E-08	6.68E-08	1.06E-07	1.87E-08	1.27E-08	4.84E-07	2.51E-07	1.06E-07	1.25E-07	4.91E-08	2.51E-07	1.06E-07
1696	494811.06	3858901.99	7.85E-04	8.04E-04	7.59E-04	2.72E-07	8.21E-07	4.75E-07	4.87E-07	4.41E-07	2.01E-07	1.90E-07	9.08E-09	2.19E-07	4.84E-08	6.61E-08	1.05E-07	1.85E-08	1.25E-08	4.79E-07	2.48E-07	1.05E-07	1.24E-07	4.86E-08	2.48E-07	1.05E-07
1697	494861.06	3858901.99	7.78E-04	7.97E-04	7.51E-04	2.69E-07	8.13E-07	4.71E-07	4.82E-07	4.37E-07	1.99E-07	1.88E-07	8.99E-09	2.17E-07	4.79E-08	6.54E-08	1.04E-07	1.83E-08	1.24E-08	4.74E-07	2.45E-07	1.04E-07	1.23E-07	4.81E-08	2.45E-07	1.04E-07
1698	494911.06	3858901.99	7.65E-04	7.83E-04	7.39E-04	2.65E-07	7.99E-07	4.63E-07	4.74E-07	4.29E-07	1.96E-07	1.85E-07	8.84E-09	2.13E-07	4.71E-08	6.43E-08	1.02E-07	1.80E-08	1.22E-08	4.66E-07	2.41E-07	1.02E-07	1.20E-07	4.73E-08	2.41E-07	1.02E-07
1699	494961.06	3858901.99	7.57E-04	7.75E-04	7.31E-04	2.62E-07	7.91E-07	4.58E-07	4.69E-07	4.25E-07	1.94E-07	1.83E-07	8.75E-09	2.11E-07	4.66E-08	6.37E-08	1.01E-07	1.78E-08	1.21E-08	4.61E-07	2.39E-07	1.01E-07	1.19E-07	4.69E-08	2.39E-07	1.01E-07
1700	495011.06	3858901.99	7.50E-04	7.68E-04	7.24E-04	2.60E-07	7.84E-07	4.54E-07	4.65E-07	4.21E-07	1.92E-07	1.81E-07	8.67E-09	2.09E-07	4.62E-08	6.31E-08	1.00E-07	1.76E-08	1.20E-08	4.57E-07	2.37E-07	1.00E-07	1.18E-07	4.64E-08	2.37E-07	1.00E-07
1701	495061.06	3858901.99	7.39E-04	7.57E-04	7.14E-04	2.56E-07	7.73E-07	4.47E-07	4.58E-07	4.15E-07	1.90E-07	1.79E-07	8.55E-09	2.06E-07	4.56E-08	6.22E-08	9.87E-08	1.74E-08	1.18E-08	4.51E-07	2.33E-07	9.90E-08	1.16E-07	4.58E-08	2.33E-07	9.90E-08
1702	495111.06	3858901.99	7.28E-04	7.45E-04	7.03E-04	2.52E-07	7.60E-07	4.40E-07	4.51E-07	4.09E-07	1.87E-07	1.76E-07	8.41E-09	2.03E-07	4.48E-08	6.12E-08	9.71E-08	1.71E-08	1.16E-08	4.43E-07	2.30E-07	9.74E-08	1.15E-07	4.50E-08	2.30E-07	9.74E-08
1703	495161.06	3858901.99	7.22E-04	7.39E-04	6.97E-04	2.50E-07	7.54E-07	4.37E-07	4.47E-07	4.05E-07	1.85E-07	1.75E-07	8.34E-09	2.02E-07	4.45E-08	6.07E-08	9.63E-08	1.70E-08	1.15E-08	4.40E-07	2.28E-07	9.66E-08	1.14E-07	4.47E-08	2.28E-07	9.66E-08
1704	495211.06	3858901.99	7.22E-04	7.39E-04	6.97E-04	2.50E-07	7.54E-07	4.37E-07	4.47E-07	4.05E-07	1.85E-07	1.75E-07	8.34E-09	2.02E-07	4.45E-08	6.07E-08	9.63E-08	1.70E-08	1.15E-08	4.40E-07	2.28E-07	9.66E-08	1.14E-07	4.47E-08	2.28E-07	9.66E-08
1705	495261.06	3858901.99	7.19E-04	7.36E-04	6.94E-04	2.49E-07	7.51E-07	4.35E-07	4.45E-07	4.04E-07	1.84E-07	1.74E-07	8.31E-09	2.01E-07	4.43E-08	6.05E-08	9.59E-08	1.69E-08	1.15E-08	4.38E-07	2.27E-07	9.62E-08	1.13E-07	4.45E-08	2.27E-07	9.62E-08
1706	495311.06	3858901.99	7.14E-04	7.32E-04	6.90E-04	2.47E-07	7.47E-07	4.32E-07	4.43E-07	4.01E-07	1.83E-07	1.73E-07	8.26E-09	1.99E-07	4.40E-08	6.01E-08	9.53E-08	1.68E-08	1.14E-08	4.35E-07	2.25E-07	9.57E-08	1.13E-07	4.42E-08	2.25E-07	9.57E-08
1707	495361.06	3858901.99	7.11E-04	7.29E-04	6.87E-04	2.46E-07	7.44E-07	4.30E-07	4.41E-07	4.00E-07	1.82E-07	1.72E-07	8.22E-09	1.99E-07	4.38E-08	5.99E-08	9.50E-08	1.67E-08	1.13E-08	4.34E-07	2.25E-07	9.53E-08	1.12E-07	4.40E-08	2.25E-07	9.53E-08
1708	495411.06	3858901.99	7.10E-04	7.27E-04	6.86E-04	2.46E-07	7.42E-07	4.30E-07	4.40E-07	3.99E-07	1.82E-07	1.72E-07	8.21E-09	1.98E-07	4.37E-08	5.97E-08	9.48E-08	1.67E-08	1.13E-08	4.33E-07	2.24E-07	9.51E-08	1.12E-07	4.39E-08	2.24E-07	9.51E-08
1709	495461.06	3858901.99	7.05E-04	7.23E-04	6.82E-04	2.44E-07	7.37E-07	4.27E-07	4.37E-07	3.96E-07	1.81E-07	1.71E-07	8.15E-09	1.97E-07	4.35E-08	5.94E-08	9.42E-08	1.66E-08	1.13E-08	4.30E-07	2.23E-07	9.45E-08	1.11E-07	4.37E-08	2.23E-07	9.45E-08
1710	495511.06	3858901.99	7.01E-04	7.18E-04	6.77E-04	2.43E-07	7.33E-07	4.24E-07	4.34E-07	3.94E-07	1.80E-07	1.70E-07	8.10E-09	1.96E-07	4.32E-08	5.90E-08	9.36E-08	1.65E-08	1.12E-08	4.27E-07	2.21E-07	9.39E-08	1.10E-07	4.34E-08	2.21E-07	9.39E-08
1711	495561.06	3858901.99	6.97E-04	7.13E-04	6.73E-04	2.41E-07	7.28E-07	4.21E-07	4.32E-07	3.91E-07	1.79E-07	1.68E-07	8.05E-09	1.95E-07	4.29E-08	5.86E-08	9.30E-08	1.64E-08	1.11E-08	4.25E-07	2.20E-07	9.33E-08	1.10E-07	4.31E-08	2.20E-07	9.33E-08
1712	495611.06	3858901.99	6.91E-04	7.07E-04	6.67E-04	2.39E-07	7.22E-07	4.18E-07	4.28E-07	3.88E-07	1.77E-07	1.67E-07	7.98E-09	1.93E-07	4.26E-08	5.81E-08	9.22E-08	1.62E-08	1.10E-08	4.21E-07	2.18E-07	9.25E-08	1.09E-07	4.27E-08	2.18E-07	9.25E-08
1713	495661.06	3858901.99	6.89E-04	7.06E-04	6.66E-04	2.39E-07	7.20E-07	4.17E-07	4.27E-07	3.87E-07	1.77E-07	1.67E-07	7.97E-09	1.92E-07	4.25E-08	5.80E-08	9.20E-08	1.62E-08	1.10E-08	4.20E-07	2.18E-07	9.23E-08	1.09E-07	4.27E-08	2.18E-07	9.23E-08
1714	494311.06	3858951.99	8.81E-04	9.02E-04	8.51E-04	3.05E-07	9.21E-07	5.33E-07	5.46E-07	4.95E-07	2.26E-07	2.13E-07	1.02E-08	2.46E-07	5.43E-08	7.41E-08	1.18E-07	2.07E-08	1.41E-08	5.37E-07	2.78E-07	1.18E-07	1.39E-07	5.45E-08	2.78E-07	1.18E-07
1715	494361.06	3858951.99	8.81E-04	9.02E-04	8.51E-04	3.05E-07	9.21E-07	5.33E-07	5.46E-07	4.95E-07	2.26E-07	2.13E-07	1.02E-08	2.46E-07	5.43E-08	7.41E-08	1.18E-07	2.07E-08	1.41E-08	5.37E-07	2.78E-07	1.18E-07	1.39E-07	5.45E-08	2.78E-07	1.18E-07
1716	494411.06	3858951.99	8.74E-04	8.95E-04	8.44E-04	3.02E-07	9.13E-07	5.29E-07	5.41E-07	4.91E-07	2.24E-07	2.11E-07	1.01E-08	2.44E-07	5.38E-08	7.35E-08	1.17E-07	2.06E-08	1.39E-08	5.33E-07	2.76E-07	1.17E-07	1.38E-07	5.41E-08	2.76E-07	1.17E-07
1717	494461.06	3858951.99	8.75E-04	8.96E-04	8.46E-04	3.03E-07	9.15E-07	5.30E-07	5.42E-07	4.92E-07	2.24E-07	2.12E-07	1.01E-08	2.44E-07	5.39E-08	7.36E-08	1.17E-07	2.06E-08	1.40E-08	5.33E-07	2.76E-07	1.17E-07	1.38E-07	5.42E-08	2.76E-07	1.17E-07
1718	494511.06	3858951.99	8.69E-04	8.90E-04	8.40E-04	3.01E-07	9.09E-07	5.26E-07	5.39E-07	4.88E-07	2.23E-07	2.10E-07	1.00E-08	2.43E-07	5.36E-08	7.31E-08	1.16E-07	2.04E-08	1.39E-08	5.30E-07	2.74E-07	1.16E-07	1.37E-07	5.38E-08	2.74E-07	1.16E-07
1719	494561.06	3858951.99	8.60E-04	8.81E-04	8.31E-04	2.98E-07	8.99E-07	5.21E-07	5.33E-07	4.83E-07	2.21E-07	2.08E-07	9.95E-09	2.40E-07	5.30E-08	7.24E-08	1.15E-07	2.02E-08	1.37E-08	5.24E-07	2.72E-07	1.15E-07	1.36E-07	5.33E-08	2.72E-07	1.15E-07
1720	494611.06	3858951.99	8.49E-04	8.69E-04	8.20E-04	2.94E-07	8.87E-07	5.13E-07	5.26E-07	4.77E-07	2.18E-07	2.05E-07	9.81E-09	2.37E-07	5.23E-08	7.14E-08	1.13E-07	2.00E-08	1.35E-08	5.17E-07	2.68E-07	1.14E-07	1.34E-07	5.25E-08	2.68E-07	1.14E-07
1721	494661.06	3858951.99	8.37E-04	8.57E-04	8.08E-04	2.90E-07	8.75E-07	5.06E-07	5.19E-07	4.70E-07	2.15E-07	2.02E-07	9.67E-09	2.34E-07	5.16E-08	7.04E-08	1.12E-07	1.97E-08	1.33E-08	5.10E-07	2.64E-07	1.12E-07	1.32E-07	5.18E-08	2.64E-07	1.12E-07
1722	494711.06	3858951.99	8.24E-04	8.43E-04	7.96E-04	2.85E-07	8.61E-07	4.98E-07	5.10E-07	4.63E-07	2.11E-07	1.99E-07	9.52E-09	2.30E-07	5.07E-08	6.93E-08	1.10E-07	1.94E-08	1.31E-08	5.02E-07	2.60E-07	1.10E-07	1.30E-07	5.10E-08	2.60E-07	1.10E-07
1723	494761.06	3858951.99	8.12E-04	8.31E-04	7.84E-04	2.81E-07	8.48E-07	4.91E-07	5.03E-07	4.56E-07	2.08E-07	1.96E-07	9.38E-09	2.27E-07	5.00E-08	6.83E-08	1.08E-07	1.91E-08	1.29E-08	4.95E-07	2.56E-07	1.09E-07	1.28E-07	5.02E-08	2.56E-07	1.09E-07
1724	494811.06	3858951.99	8.04E-04	8.24E-04	7.77E-04	2.78E-07	8.41E-07	4.87E-07	4.98E-07	4.52E-07	2.06E-07	1.94E-07	9.30E-09	2.25E-07	4.96E-08	6.77E-08	1.07E-07	1.89E-08	1.28E-08	4.90E-07	2.54E-07	1.08E-07	1.27E-07	4.98E-08	2.54E-07	1.08E-07
1725	494861.06	3858951.99	7.95E-04	8.15E-04	7.69E-04	2.75E-07	8.31E-07	4.81E-07	4.93E-07	4.47E-07	2.04E-07	1.92E-07	9.20E-09	2.22E-07	4.90E-08	6.69E-08	1.06E-07	1.87E-08	1.27E-08	4.85E-07	2.51E-07	1.07E-07	1.25E-07	4.92E-08	2.51E-07	1.07E-07
1726	494911.06	3858951.99	7.85E-04	8.04E-04	7.59E-04	2.72E-07	8.21E-07	4.75E-07	4.87E-07	4.41E-07	2.01E-07	1.90E-07	9.08E-09	2.19E-07	4.84E-08	6.61E-08	1.05E-07	1.85E-08	1.25E-08	4.79E-07	2.48E-07	1.05E-07	1.24E-07	4.86E-08	2.48E-07	1.05E-07
1727	494961.06	3858951.99	7.78E-04	7.97E-04	7.51E-04	2.69E-07	8.13E-07	4.71E-07	4.82E-07	4.37E-07	1.99E-07	1.88E-07	8.99E-09	2.17E-07	4.79E-08	6.54E-08	1.04E-07	1.83E-08	1.24E-08	4.74E-07	2.45E-07	1.04E-07	1.23E-07	4.81E-08	2.45E-07	1.04E-07
1728	495011.06	3858951.99	7.63E-04	7.82E-04	7.37E-04	2.64E-07	7.98E-07	4.62E-07	4.73E-07	4.29E-07	1.96E-07	1.84E-07	8.82E-09	2.13E-07	4.70E-08	6.42E-08	1.02E-07	1.79E-08	1.22E-08	4.65E-07	2.41E-07	1.02E-07	1.20E-07	4.72E-08	2.41E-07	1.02E-07
1729	495061.06	3858951.99	7.50E-04	7.68E-04	7.24E-04	2.60E-07	7.84E-07	4.54E-07	4.65E-07	4.21E-07	1.92E-07	1.81E-07	8.67E-09	2.09E-07	4.62E-08	6.31E-08	1.00E-07	1.76E-08	1.20E-08	4.57E-07	2.37E-07	1.00E-07	1.18E-07	4.64E-08	2.37E-07	1.00E-07
1730	495111.06	3858951.99	7.39E-04	7.57E-04	7.14E-04	2.56E-07	7.73E-07	4.47E-07	4.58E-07	4.15E-07	1.90E-07	1.79E-07	8.55E-09	2.06E-07	4.56E-08	6.22E-08	9.87E-08	1.74E-08	1.18E-08	4.51E-07	2.33E-07	9.90E-08	1.16E-07	4.58E-08	2.33E-07	9.90E-08
1731	495161.06	3858951.99	7.41E-04	7.59E-04	7.16E-04	2.56E-07	7.74E-07	4.48E-07	4.59E-07	4.16E-07	1.90E-07	1.79E-07	8.56E-09	2.07E-07	4.56E-08	6.23E-08	9.89E-08	1.74E-08	1.18E-08	4.52E-07	2.34E-07	9.92E-08	1.17E-07	4.59E-08	2.34E-07	9.92E-08
1732	495211.06	3858951.99	7.38E-04	7.56E-04	7.13E-04	2.55E-07	7.71E-07	4.47E-07	4.57E-07	4.15E-07	1.89E-07	1.78E-07	8.53E-09	2.06E-07	4.55E-08	6.21E-08	9.85E-08	1.74E-08	1.18E-08	4.50E-07	2.33E-07	9.88E-08	1.16E-07	4.57E-08	2.33E-07	9.88E-08
1733	495261.06	3858951.99	7.34E-04	7.51E-04	7.09E-04	2.54E-07	7.67E-07	4.44E-07	4.55E-07	4.12E-07	1.88E-07	1.77E-07	8.48E-09	2.05E-07	4.52E-08	6.17E-08	9.79E-08	1.73E-08	1.17E-08	4.47E-07	2.32E-07	9.82E-08	1.16E-07	4.54E-08	2.32E-07	9.82E-08
1734	495311.06	3858951.99	7.28E-04	7.45E-04	7.03E-04	2.52E-07	7.60E-07	4.40E-07	4.51E-07	4.09E-07	1.87E-07	1.76E-07	8.41E-09	2.03E-07	4.48E-08	6.12E-08	9.71E-08	1.71E-08	1.16E-08	4.43E-07	2.30E-07	9.74E-08	1.15E-07	4.50E-08	2.30E-07	9.74E-08
1735	495361.06	3858951.99	7.26E-04	7.44E-04	7.02E-04	2.51E-07	7.59E-07	4.39E-07	4.50E-07	4.08E-07	1.86E-07	1.76E-07	8.39E-09	2.03E-07	4.47E-08	6.11E-08	9.69E-08	1.71E-08	1.16E-08	4.43E-07	2.29E-07	9.72E-08	1.14E-07	4.49E-08	2.29E-07	9.72E-08
1736	495411.06	3858951.99	7.23E-04	7.41E-04	6.99E-04	2.50E-07	7.56E-07	4.38E-07	4.48E-07	4.06E-07	1.85E-07	1.75E-07	8.36E-09	2.02E-07	4.46E-08	6.08E-08	9.65E-08	1.70E-08	1.15E-08	4.41E-07	2.28E-07	9.68E-08	1.14E-07	4.48E-08	2.28E-07	9.68E-08
1737	495461.06	3858951.99	7.20E-04	7.38E-04	6.96E-04	2.49E-07	7.53E-07	4.36E-07	4.46E-07	4.05E-07	1.85E-07	1.74E-07	8.33E-09	2.01E-07	4.44E-08	6.06E-08	9.61E-08	1.69E-08	1.15E-08	4.39E-07	2.27E-07	9.64E-08	1.13E-07	4.46E-08	2.27E-07	9.64E-08
1738	495511.06	3858951.99	7.17E-04	7.35E-04	6.93E-04	2.48E-07	7.50E-07	4.34E-07	4.45E-07	4.03E-07	1.84E-07	1.73E-07	8.29E-09	2.00E-07	4.42E-08	6.04E-08	9.57E-08	1.69E-08	1.14E-08	4.37E-07	2.26E-07	9.61E-08	1.13E-07	4.44E-08	2.26E-07	9.61E-08
1739	495561.06	3858951.99	7.10E-04	7.27E-04	6.86E-04	2.46E-07	7.42E-07	4.30E-07	4.40E-07	3.99E-07	1.82E-07	1.72E-07	8.21E-09	1.98E-07	4.37E-08	5.97E-08	9.48E-08	1.67E-08	1.13E-08	4.33E-07	2.24E-07	9.51E-08	1.12E-07	4.39E-08	2.24E-07	9.51E-08
1740	495611.06	3858951.99	7.04E-04	7.21E-04	6.80E-04	2.44E-07	7.36E-07	4.26E-07	4.36E-07	3.95E-07	1.80E-07	1.70E-07	8.14E-09	1.97E-07	4.34E-08	5.92E-08	9.40E-08	1.66E-08	1.12E-08	4.29E-07	2.22E-07	9.43E-08	1.11E-07	4.36E-08	2.22E-07	9.43E-08
1741	495661.06	3858951.99	7.03E-04	7.20E-04	6.79E-04	2.43E-07	7.34E-07	4.25E-07	4.35E-07	3.95E-07	1.80E-07	1.70E-07	8.12E-09	1.96E-07	4.33E-08	5.91E-08	9.38E-08	1.65E-08	1.12E-08	4.28E-07	2.22E-07	9.41E-08	1.11E-07	4.35E-08	2.22E-07	9.41E-08
1742	494311.06	3859001.99	9.11E-04	9.33E-04	8.80E-04	3.15E-07	9.52E-07	5.51E-07	5.64E-07	5.12E-07	2.33E-07	2.20E-07	1.05E-08	2.54E-07	5.61E-08	7.66E-08	1.22E-07	2.14E-08	1.45E-08	5.55E-07	2.87E-07	1.22E-07	1.43E-07	5.64E-08	2.87E-07	1.22E-07
1743	494361.06	3859001.99	9.06E-04	9.28E-04	8.75E-04	3.14E-07	9.47E-07	5.48E-07	5.62E-07	5.09E-07	2.32E-07	2.19E-07	1.05E-08	2.53E-07	5.58E-08	7.62E-08	1.21E-07	2.13E-08	1.45E-08	5.52E-07	2.86E-07	1.21E-07	1.43E-07	5.61E-08	2.86E-07	1.21E-07
1744	494411.06	3859001.99	9.05E-04	9.27E-04	8.74E-04	3.13E-07	9.46E-07	5.47E-07	5.61E-07	5.08E-07	2.32E-07	2.19E-07	1.05E-08	2.53E-07	5.57E-08	7.61E-08	1.21E-07	2.13E-08	1.44E-08	5.51E-07	2.86E-07	1.21E-07	1.43E-07	5.60E-08	2.86E-07	1.21E-07
1745	494461.06	3859001.99	8.99E-04	9.21E-04	8.68E-04	3.11E-07	9.39E-07	5.44E-07	5.57E-07	5.05E-07	2.30E-07	2.17E-07	1.04E-08	2.51E-07	5.54E-08	7.56E-08	1.20E-07	2.11E-08	1.43E-08	5.48E-07	2.84E-07	1.20E-07	1.42E-07	5.56E-08	2.84E-07	1.20E-07
1746	494511.06	3859001.99	8.91E-04	9.13E-04	8.61E-04	3.09E-07	9.32E-07	5.39E-07	5.52E-07	5.01E-07	2.29E-07	2.16E-07	1.03E-08	2.49E-07	5.49E-08	7.50E-08	1.19E-07	2.10E-08	1.42E-08	5.43E-07	2.81E-07	1.19E-07	1.40E-07	5.52E-08	2.81E-07	1.19E-07
1747	494561.06	3859001.99	8.80E-04	9.01E-04	8.50E-04	3.04E-07	9.19E-07	5.32E-07	5.45E-07	4.94E-07	2.25E-07	2.13E-07	1.02E-08	2.46E-07	5.42E-08	7.40E-08	1.17E-07	2.07E-08	1.40E-08	5.36E-07	2.78E-07	1.18E-07	1.39E-07	5.44E-08	2.78E-07	1.18E-07
1748	494611.06	3859001.99	8.69E-04	8.90E-04	8.40E-04	3.01E-07	9.09E-07	5.26E-07	5.39E-07	4.88E-07	2.23E-07	2.10E-07	1.00E-08	2.43E-07	5.36E-08	7.31E-08	1.16E-07	2.04E-08	1.39E-08	5.30E-07	2.74E-07	1.16E-07	1.37E-07	5.38E-08	2.74E-07	1.16E-07
1749	494661.06	3859001.99	8.56E-04	8.77E-04	8.27E-04	2.96E-07	8.95E-07	5.18E-07	5.30E-07	4.81E-07	2.19E-07	2.07E-07	9.89E-09	2.39E-07	5.27E-08	7.20E-08	1.14E-07	2.01E-08	1.37E-08	5.22E-07	2.70E-07	1.15E-07	1.35E-07	5.30E-08	2.70E-07	1.15E-07
1750	494711.06	3859001.99	8.41E-04	8.62E-04	8.13E-04	2.91E-07	8.79E-07	5.09E-07	5.21E-07	4.73E-07	2.16E-07	2.03E-07	9.72E-09	2.35E-07	5.18E-08	7.08E-08	1.12E-07	1.98E-08	1.34E-08	5.13E-07	2.66E-07	1.13E-07	1.33E-07	5.21E-08	2.66E-07	1.13E-07
1751	494761.06	3859001.99	8.32E-04	8.53E-04	8.04E-04	2.88E-07	8.70E-07	5.04E-07	5.16E-07	4.68E-07	2.13E-07	2.01E-07	9.62E-09	2.32E-07	5.13E-08	7.00E-08	1.11E-07	1.96E-08	1.33E-08	5.07E-07	2.63E-07	1.11E-07	1.31E-07	5.15E-08	2.63E-07	1.11E-07
1752	494811.06	3859001.99	8.25E-04	8.45E-04	7.97E-04	2.86E-07	8.62E-07	4.99E-07	5.11E-07	4.63E-07	2.11E-07	1.99E-07	9.54E-09	2.30E-07	5.08E-08	6.94E-08	1.10E-07	1.94E-08	1.32E-08	5.03E-07	2.60E-07	1.10E-07	1.30E-07	5.11E-08	2.60E-07	1.10E-07
1753	494861.06	3859001.99	8.15E-04	8.34E-04	7.87E-04	2.82E-07	8.52E-07	4.93E-07	5.05E-07	4.58E-07	2.09E-07	1.97E-07	9.42E-09	2.27E-07	5.02E-08	6.85E-08	1.09E-07	1.92E-08	1.30E-08	4.97E-07	2.57E-07	1.09E-07	1.28E-07	5.04E-08	2.57E-07	1.09E-07
1754	494911.06	3859001.99	8.04E-04	8.24E-04	7.77E-04	2.78E-07	8.41E-07	4.87E-07	4.98E-07	4.52E-07	2.06E-07	1.94E-07	9.30E-09	2.25E-07	4.96E-08	6.77E-08	1.07E-07	1.89E-08	1.28E-08	4.90E-07	2.54E-07	1.08E-07	1.27E-07	4.98E-08	2.54E-07	1.08E-07
1755	494961.06	3859001.99	7.94E-04	8.13E-04	7.67E-04	2.75E-07	8.30E-07	4.80E-07	4.92E-07	4.46E-07	2.04E-07	1.92E-07	9.18E-09	2.22E-07	4.89E-08	6.68E-08	1.06E-07	1.87E-08	1.27E-08	4.84E-07	2.51E-07	1.06E-07	1.25E-07	4.91E-08	2.51E-07	1.06E-07
1756	495011.06	3859001.99	7.70E-04	7.89E-04	7.44E-04	2.67E-07	8.05E-07	4.66E-07	4.77E-07	4.33E-07	1.97E-07	1.86E-07	8.91E-09	2.15E-07	4.75E-08	6.48E-08	1.03E-07	1.81E-08	1.23E-08	4.70E-07	2.43E-07	1.03E-07	1.21E-07	4.77E-08	2.43E-07	1.03E-07
1757	495061.06	3859001.99	7.65E-04	7.83E-04	7.39E-04	2.65E-07	7.99E-07	4.63E-07	4.74E-07	4.29E-07	1.96E-07	1.85E-07	8.84E-09	2.13E-07	4.71E-08	6.43E-08	1.02E-07	1.80E-08	1.22E-08	4.66E-07	2.41E-07	1.02E-07	1.20E-07	4.73E-08	2.41E-07	1.02E-07
1758	495111.06	3859001.99	7.54E-04	7.72E-04	7.29E-04	2.61E-07	7.88E-07	4.56E-07	4.67E-07	4.24E-07	1.93E-07	1.82E-07	8.72E-09	2.11E-07	4.65E-08	6.35E-08	1.01E-07	1.77E-08	1.20E-08	4.60E-07	2.38E-07	1.01E-07	1.19E-07	4.67E-08	2.38E-07	1.01E-07
1759	495161.06	3859001.99	7.57E-04	7.75E-04	7.31E-04	2.62E-07	7.91E-07	4.58E-07	4.69E-07	4.25E-07	1.94E-07	1.83E-07	8.75E-09	2.11E-07	4.66E-08	6.37E-08	1.01E-07	1.78E-08	1.21E-08	4.61E-07	2.39E-07	1.01E-07	1.19E-07	4.69E-08	2.39E-07	1.01E-07
1760	495211.06	3859001.99	7.53E-04	7.71E-04	7.27E-04	2.61E-07	7.87E-07	4.55E-07	4.66E-07	4.23E-07	1.93E-07	1.82E-07	8.70E-09	2.10E-07	4.64E-08	6.33E-08	1.00E-07	1.77E-08	1.20E-08	4.59E-07	2.38E-07	1.01E-07	1.19E-07	4.66E-08	2.38E-07	1.01E-07
1761	495261.06	3859001.99	7.50E-04	7.68E-04	7.24E-04	2.60E-07	7.84E-07	4.54E-07	4.65E-07	4.21E-07	1.92E-07	1.81E-07	8.67E-09	2.09E-07	4.62E-08	6.31E-08	1.00E-07	1.76E-08	1.20E-08	4.57E-07	2.37E-07	1.00E-07	1.18E-07	4.64E-08	2.37E-07	1.00E-07
1762	495311.06	3859001.99	7.45E-04	7.63E-04	7.20E-04	2.58E-07	7.79E-07	4.51E-07	4.62E-07	4.19E-07	1.91E-07	1.80E-07	8.62E-09	2.08E-07	4.59E-08	6.27E-08	9.95E-08	1.75E-08	1.19E-08	4.54E-07	2.35E-07	9.98E-08	1.17E-07	4.61E-08	2.35E-07	9.98E-08
1763	495361.06	3859001.99	7.42E-04	7.60E-04	7.17E-04	2.57E-07	7.76E-07	4.49E-07	4.60E-07	4.17E-07	1.90E-07	1.79E-07	8.58E-09	2.07E-07	4.57E-08	6.25E-08	9.91E-08	1.75E-08	1.18E-08	4.52E-07	2.34E-07	9.94E-08	1.17E-07	4.59E-08	2.34E-07	9.94E-08
1764	495411.06	3859001.99	7.39E-04	7.57E-04	7.14E-04	2.56E-07	7.73E-07	4.47E-07	4.58E-07	4.15E-07	1.90E-07	1.79E-07	8.55E-09	2.06E-07	4.56E-08	6.22E-08	9.87E-08	1.74E-08	1.18E-08	4.51E-07	2.33E-07	9.90E-08	1.16E-07	4.58E-08	2.33E-07	9.90E-08

1765	495461.06	3859001.99	7.36E-04	7.54E-04	7.11E-04	2.55E-07	7.70E-07	4.46E-07	4.56E-07	4.14E-07	1.89E-07	1.78E-07	8.51E-09	2.06E-07	4.54E-08	6.20E-08	9.83E-08	1.73E-08	1.17E-08	4.49E-07	2.32E-07	9.86E-08	1.16E-07	4.56E-08	2.32E-07	9.86E-08
1766	495511.06	3859001.99	7.29E-04	7.47E-04	7.04E-04	2.52E-07	7.62E-07	4.41E-07	4.52E-07	4.10E-07	1.87E-07	1.76E-07	8.43E-09	2.04E-07	4.49E-08	6.13E-08	9.73E-08	1.72E-08	1.16E-08	4.44E-07	2.30E-07	9.76E-08	1.15E-07	4.51E-08	2.30E-07	9.76E-08
1767	495561.06	3859001.99	7.25E-04	7.42E-04	7.00E-04	2.51E-07	7.57E-07	4.38E-07	4.49E-07	4.07E-07	1.86E-07	1.75E-07	8.38E-09	2.02E-07	4.46E-08	6.10E-08	9.67E-08	1.70E-08	1.16E-08	4.42E-07	2.29E-07	9.70E-08	1.14E-07	4.48E-08	2.29E-07	9.70E-08
1768	495611.06	3859001.99	7.19E-04	7.36E-04	6.94E-04	2.49E-07	7.51E-07	4.35E-07	4.45E-07	4.04E-07	1.84E-07	1.74E-07	8.31E-09	2.01E-07	4.43E-08	6.05E-08	9.59E-08	1.69E-08	1.15E-08	4.38E-07	2.27E-07	9.62E-08	1.13E-07	4.45E-08	2.27E-07	9.62E-08
1769	495661.06	3859001.99	7.19E-04	7.36E-04	6.94E-04	2.49E-07	7.51E-07	4.35E-07	4.45E-07	4.04E-07	1.84E-07	1.74E-07	8.31E-09	2.01E-07	4.43E-08	6.05E-08	9.59E-08	1.69E-08	1.15E-08	4.38E-07	2.27E-07	9.62E-08	1.13E-07	4.45E-08	2.27E-07	9.62E-08
1770	494311.06	3859051.99	9.39E-04	9.61E-04	9.07E-04	3.25E-07	9.81E-07	5.68E-07	5.82E-07	5.27E-07	2.41E-07	2.27E-07	1.09E-08	2.62E-07	5.78E-08	7.90E-08	1.25E-07	2.21E-08	1.50E-08	5.72E-07	2.96E-07	1.26E-07	1.48E-07	5.81E-08	2.96E-07	1.26E-07
1771	494361.06	3859051.99	9.39E-04	9.61E-04	9.07E-04	3.25E-07	9.81E-07	5.68E-07	5.82E-07	5.27E-07	2.41E-07	2.27E-07	1.09E-08	2.62E-07	5.78E-08	7.90E-08	1.25E-07	2.21E-08	1.50E-08	5.72E-07	2.96E-07	1.26E-07	1.48E-07	5.81E-08	2.96E-07	1.26E-07
1772	494411.06	3859051.99	9.30E-04	9.52E-04	8.98E-04	3.22E-07	9.72E-07	5.63E-07	5.76E-07	5.22E-07	2.38E-07	2.25E-07	1.07E-08	2.60E-07	5.73E-08	7.82E-08	1.24E-07	2.19E-08	1.48E-08	5.67E-07	2.93E-07	1.25E-07	1.46E-07	5.75E-08	2.93E-07	1.25E-07
1773	494461.06	3859051.99	9.21E-04	9.43E-04	8.90E-04	3.19E-07	9.63E-07	5.57E-07	5.71E-07	5.17E-07	2.36E-07	2.23E-07	1.06E-08	2.57E-07	5.67E-08	7.75E-08	1.23E-07	2.17E-08	1.47E-08	5.61E-07	2.91E-07	1.23E-07	1.45E-07	5.70E-08	2.91E-07	1.23E-07
1774	494511.06	3859051.99	9.11E-04	9.33E-04	8.80E-04	3.15E-07	9.52E-07	5.51E-07	5.64E-07	5.12E-07	2.33E-07	2.20E-07	1.05E-08	2.54E-07	5.61E-08	7.66E-08	1.22E-07	2.14E-08	1.45E-08	5.55E-07	2.87E-07	1.22E-07	1.43E-07	5.64E-08	2.87E-07	1.22E-07
1775	494561.06	3859051.99	9.00E-04	9.22E-04	8.70E-04	3.12E-07	9.41E-07	5.45E-07	5.58E-07	5.06E-07	2.31E-07	2.18E-07	1.04E-08	2.51E-07	5.55E-08	7.58E-08	1.20E-07	2.12E-08	1.44E-08	5.49E-07	2.84E-07	1.21E-07	1.42E-07	5.57E-08	2.84E-07	1.21E-07
1776	494611.06	3859051.99	8.88E-04	9.10E-04	8.58E-04	3.08E-07	9.29E-07	5.38E-07	5.51E-07	4.99E-07	2.28E-07	2.15E-07	1.03E-08	2.48E-07	5.47E-08	7.48E-08	1.19E-07	2.09E-08	1.42E-08	5.42E-07	2.80E-07	1.19E-07	1.40E-07	5.50E-08	2.80E-07	1.19E-07
1777	494661.06	3859051.99	8.75E-04	8.96E-04	8.46E-04	3.03E-07	9.15E-07	5.30E-07	5.42E-07	4.92E-07	2.24E-07	2.12E-07	1.01E-08	2.44E-07	5.39E-08	7.36E-08	1.17E-07	2.06E-08	1.40E-08	5.33E-07	2.76E-07	1.17E-07	1.38E-07	5.42E-08	2.76E-07	1.17E-07
1778	494711.06	3859051.99	8.63E-04	8.84E-04	8.34E-04	2.99E-07	9.02E-07	5.22E-07	5.35E-07	4.85E-07	2.21E-07	2.09E-07	9.98E-09	2.41E-07	5.32E-08	7.26E-08	1.15E-07	2.03E-08	1.38E-08	5.26E-07	2.72E-07	1.16E-07	1.36E-07	5.34E-08	2.72E-07	1.16E-07
1779	494761.06	3859051.99	8.52E-04	8.72E-04	8.23E-04	2.95E-07	8.90E-07	5.15E-07	5.28E-07	4.78E-07	2.18E-07	2.06E-07	9.84E-09	2.38E-07	5.25E-08	7.17E-08	1.14E-07	2.00E-08	1.36E-08	5.19E-07	2.69E-07	1.14E-07	1.34E-07	5.27E-08	2.69E-07	1.14E-07
1780	494811.06	3859051.99	8.43E-04	8.63E-04	8.14E-04	2.92E-07	8.81E-07	5.10E-07	5.22E-07	4.73E-07	2.16E-07	2.04E-07	9.74E-09	2.35E-07	5.19E-08	7.09E-08	1.12E-07	1.98E-08	1.34E-08	5.14E-07	2.66E-07	1.13E-07	1.33E-07	5.22E-08	2.66E-07	1.13E-07
1781	494861.06	3859051.99	8.34E-04	8.54E-04	8.06E-04	2.89E-07	8.72E-07	5.05E-07	5.17E-07	4.68E-07	2.14E-07	2.02E-07	9.64E-09	2.33E-07	5.14E-08	7.02E-08	1.11E-07	1.96E-08	1.33E-08	5.08E-07	2.63E-07	1.12E-07	1.31E-07	5.16E-08	2.63E-07	1.12E-07
1782	494911.06	3859051.99	8.21E-04	8.40E-04	7.93E-04	2.84E-07	8.58E-07	4.97E-07	5.09E-07	4.61E-07	2.10E-07	1.98E-07	9.49E-09	2.29E-07	5.06E-08	6.90E-08	1.10E-07	1.93E-08	1.31E-08	5.00E-07	2.59E-07	1.10E-07	1.29E-07	5.08E-08	2.59E-07	1.10E-07
1783	494961.06	3859051.99	8.04E-04	8.24E-04	7.77E-04	2.78E-07	8.41E-07	4.87E-07	4.98E-07	4.52E-07	2.06E-07	1.94E-07	9.30E-09	2.25E-07	4.96E-08	6.77E-08	1.07E-07	1.89E-08	1.28E-08	4.90E-07	2.54E-07	1.08E-07	1.27E-07	4.98E-08	2.54E-07	1.08E-07
1784	495011.06	3859051.99	7.91E-04	8.10E-04	7.64E-04	2.74E-07	8.27E-07	4.79E-07	4.90E-07	4.44E-07	2.03E-07	1.91E-07	9.14E-09	2.21E-07	4.87E-08	6.66E-08	1.06E-07	1.86E-08	1.26E-08	4.82E-07	2.50E-07	1.06E-07	1.25E-07	4.90E-08	2.50E-07	1.06E-07
1785	495061.06	3859051.99	7.82E-04	8.01E-04	7.56E-04	2.71E-07	8.18E-07	4.73E-07	4.85E-07	4.39E-07	2.01E-07	1.89E-07	9.04E-09	2.18E-07	4.82E-08	6.58E-08	1.04E-07	1.84E-08	1.25E-08	4.77E-07	2.47E-07	1.05E-07	1.23E-07	4.84E-08	2.47E-07	1.05E-07
1786	495111.06	3859051.99	7.75E-04	7.94E-04	7.49E-04	2.68E-07	8.10E-07	4.69E-07	4.80E-07	4.35E-07	1.99E-07	1.87E-07	8.96E-09	2.16E-07	4.77E-08	6.52E-08	1.03E-07	1.82E-08	1.24E-08	4.72E-07	2.45E-07	1.04E-07	1.22E-07	4.80E-08	2.45E-07	1.04E-07
1787	495161.06	3859051.99	7.75E-04	7.94E-04	7.49E-04	2.68E-07	8.10E-07	4.69E-07	4.80E-07	4.35E-07	1.99E-07	1.87E-07	8.96E-09	2.16E-07	4.77E-08	6.52E-08	1.03E-07	1.82E-08	1.24E-08	4.72E-07	2.45E-07	1.04E-07	1.22E-07	4.80E-08	2.45E-07	1.04E-07
1788	495211.06	3859051.99	7.69E-04	7.88E-04	7.43E-04	2.66E-07	8.04E-07	4.65E-07	4.77E-07	4.32E-07	1.97E-07	1.86E-07	8.89E-09	2.15E-07	4.74E-08	6.47E-08	1.03E-07	1.81E-08	1.23E-08	4.69E-07	2.43E-07	1.03E-07	1.21E-07	4.76E-08	2.43E-07	1.03E-07
1789	495261.06	3859051.99	7.67E-04	7.86E-04	7.41E-04	2.66E-07	8.02E-07	4.64E-07	4.76E-07	4.31E-07	1.97E-07	1.86E-07	8.87E-09	2.14E-07	4.73E-08	6.46E-08	1.02E-07	1.81E-08	1.22E-08	4.68E-07	2.42E-07	1.03E-07	1.21E-07	4.75E-08	2.42E-07	1.03E-07
1790	495311.06	3859051.99	7.62E-04	7.80E-04	7.36E-04	2.64E-07	7.96E-07	4.61E-07	4.72E-07	4.28E-07	1.95E-07	1.84E-07	8.80E-09	2.13E-07	4.69E-08	6.41E-08	1.02E-07	1.79E-08	1.21E-08	4.64E-07	2.40E-07	1.02E-07	1.20E-07	4.71E-08	2.40E-07	1.02E-07
1791	495361.06	3859051.99	7.59E-04	7.77E-04	7.33E-04	2.63E-07	7.93E-07	4.59E-07	4.70E-07	4.26E-07	1.94E-07	1.83E-07	8.77E-09	2.12E-07	4.67E-08	6.38E-08	1.01E-07	1.78E-08	1.21E-08	4.62E-07	2.39E-07	1.02E-07	1.20E-07	4.69E-08	2.39E-07	1.02E-07
1792	495411.06	3859051.99	7.56E-04	7.74E-04	7.30E-04	2.62E-07	7.90E-07	4.57E-07	4.68E-07	4.25E-07	1.94E-07	1.83E-07	8.73E-09	2.11E-07	4.66E-08	6.36E-08	1.01E-07	1.78E-08	1.21E-08	4.61E-07	2.38E-07	1.01E-07	1.19E-07	4.68E-08	2.38E-07	1.01E-07
1793	495461.06	3859051.99	7.53E-04	7.71E-04	7.27E-04	2.61E-07	7.87E-07	4.55E-07	4.66E-07	4.23E-07	1.93E-07	1.82E-07	8.70E-09	2.10E-07	4.64E-08	6.33E-08	1.00E-07	1.77E-08	1.20E-08	4.59E-07	2.38E-07	1.01E-07	1.19E-07	4.66E-08	2.38E-07	1.01E-07
1794	495511.06	3859051.99	7.45E-04	7.63E-04	7.20E-04	2.58E-07	7.79E-07	4.51E-07	4.62E-07	4.19E-07	1.91E-07	1.80E-07	8.62E-09	2.08E-07	4.59E-08	6.27E-08	9.95E-08	1.75E-08	1.19E-08	4.54E-07	2.35E-07	9.98E-08	1.17E-07	4.61E-08	2.35E-07	9.98E-08
1795	495561.06	3859051.99	7.39E-04	7.57E-04	7.14E-04	2.56E-07	7.73E-07	4.47E-07	4.58E-07	4.15E-07	1.90E-07	1.79E-07	8.55E-09	2.06E-07	4.56E-08	6.22E-08	9.87E-08	1.74E-08	1.18E-08	4.51E-07	2.33E-07	9.90E-08	1.16E-07	4.58E-08	2.33E-07	9.90E-08
1796	495611.06	3859051.99	7.34E-04	7.51E-04	7.09E-04	2.54E-07	7.67E-07	4.44E-07	4.55E-07	4.12E-07	1.88E-07	1.77E-07	8.48E-09	2.05E-07	4.52E-08	6.17E-08	9.79E-08	1.73E-08	1.17E-08	4.47E-07	2.32E-07	9.82E-08	1.16E-07	4.54E-08	2.32E-07	9.82E-08
1797	495661.06	3859051.99	7.34E-04	7.51E-04	7.09E-04	2.54E-07	7.67E-07	4.44E-07	4.55E-07	4.12E-07	1.88E-07	1.77E-07	8.48E-09	2.05E-07	4.52E-08	6.17E-08	9.79E-08	1.73E-08	1.17E-08	4.47E-07	2.32E-07	9.82E-08	1.16E-07	4.54E-08	2.32E-07	9.82E-08
1798	494311.06	3859101.99	9.73E-04	9.96E-04	9.40E-04	3.37E-07	1.02E-06	5.88E-07	6.03E-07	5.46E-07	2.49E-07	2.35E-07	1.12E-08	2.72E-07	5.99E-08	8.18E-08	1.30E-07	2.29E-08	1.55E-08	5.93E-07	3.07E-07	1.30E-07	1.53E-07	6.02E-08	3.07E-07	1.30E-07
1799	494361.06	3859101.99	9.64E-04	9.87E-04	9.31E-04	3.34E-07	1.01E-06	5.83E-07	5.97E-07	5.41E-07	2.47E-07	2.33E-07	1.11E-08	2.69E-07	5.94E-08	8.11E-08	1.29E-07	2.27E-08	1.54E-08	5.87E-07	3.04E-07	1.29E-07	1.52E-07	5.96E-08	3.04E-07	1.29E-07
1800	494411.06	3859101.99	9.58E-04	9.81E-04	9.25E-04	3.32E-07	1.00E-06	5.80E-07	5.94E-07	5.38E-07	2.46E-07	2.32E-07	1.11E-08	2.67E-07	5.90E-08	8.06E-08	1.28E-07	2.25E-08	1.53E-08	5.84E-07	3.02E-07	1.28E-07	1.51E-07	5.93E-08	3.02E-07	1.28E-07
1801	494461.06	3859101.99	9.48E-04	9.70E-04	9.15E-04	3.28E-07	9.90E-07	5.73E-07	5.87E-07	5.32E-07	2.43E-07	2.29E-07	1.10E-08	2.65E-07	5.84E-08	7.97E-08	1.26E-07	2.23E-08	1.51E-08	5.77E-07	2.99E-07	1.27E-07	1.49E-07	5.86E-08	2.99E-07	1.27E-07
1802	494511.06	3859101.99	9.33E-04	9.55E-04	9.01E-04	3.23E-07	9.75E-07	5.64E-07	5.78E-07	5.24E-07	2.39E-07	2.26E-07	1.08E-08	2.60E-07	5.75E-08	7.85E-08	1.25E-07	2.19E-08	1.49E-08	5.68E-07	2.94E-07	1.25E-07	1.47E-07	5.77E-08	2.94E-07	1.25E-07
1803	494561.06	3859101.99	9.22E-04	9.45E-04	8.91E-04	3.19E-07	9.64E-07	5.58E-07	5.72E-07	5.18E-07	2.36E-07	2.23E-07	1.07E-08	2.58E-07	5.68E-08	7.76E-08	1.23E-07	2.17E-08	1.47E-08	5.62E-07	2.91E-07	1.24E-07	1.45E-07	5.71E-08	2.91E-07	1.24E-07
1804	494611.06	3859101.99	9.08E-04	9.30E-04	8.77E-04	3.14E-07	9.49E-07	5.49E-07	5.63E-07	5.10E-07	2.33E-07	2.19E-07	1.05E-08	2.53E-07	5.59E-08	7.64E-08	1.21E-07	2.14E-08	1.45E-08	5.53E-07	2.86E-07	1.22E-07	1.43E-07	5.62E-08	2.86E-07	1.22E-07
1805	494661.06	3859101.99	8.97E-04	9.19E-04	8.67E-04	3.11E-07	9.38E-07	5.43E-07	5.56E-07	5.04E-07	2.30E-07	2.17E-07	1.04E-08	2.51E-07	5.53E-08	7.55E-08	1.20E-07	2.11E-08	1.43E-08	5.47E-07	2.83E-07	1.20E-07	1.41E-07	5.55E-08	2.83E-07	1.20E-07
1806	494711.06	3859101.99	8.81E-04	9.02E-04	8.51E-04	3.05E-07	9.21E-07	5.33E-07	5.46E-07	4.95E-07	2.26E-07	2.13E-07	1.02E-08	2.46E-07	5.43E-08	7.41E-08	1.18E-07	2.07E-08	1.41E-08	5.37E-07	2.78E-07	1.18E-07	1.39E-07	5.45E-08	2.78E-07	1.18E-07
1807	494761.06	3859101.99	8.75E-04	8.96E-04	8.46E-04	3.03E-07	9.15E-07	5.30E-07	5.42E-07	4.92E-07	2.24E-07	2.12E-07	1.01E-08	2.44E-07	5.39E-08	7.36E-08	1.17E-07	2.06E-08	1.40E-08	5.33E-07	2.76E-07	1.17E-07	1.38E-07	5.42E-08	2.76E-07	1.17E-07
1808	494811.06	3859101.99	8.63E-04	8.84E-04	8.34E-04	2.99E-07	9.02E-07	5.22E-07	5.35E-07	4.85E-07	2.21E-07	2.09E-07	9.98E-09	2.41E-07	5.32E-08	7.26E-08	1.15E-07	2.03E-08	1.38E-08	5.26E-07	2.72E-07	1.16E-07	1.36E-07	5.34E-08	2.72E-07	1.16E-07
1809	494861.06	3859101.99	8.53E-04	8.74E-04	8.24E-04	2.95E-07	8.92E-07	5.16E-07	5.29E-07	4.79E-07	2.19E-07	2.06E-07	9.86E-09	2.38E-07	5.26E-08	7.18E-08	1.14E-07	2.01E-08	1.36E-08	5.20E-07	2.69E-07	1.14E-07	1.34E-07	5.28E-08	2.69E-07	1.14E-07
1810	494911.06	3859101.99	8.40E-04	8.60E-04	8.11E-04	2.91E-07	8.78E-07	5.08E-07	5.20E-07	4.72E-07	2.15E-07	2.03E-07	9.71E-09	2.34E-07	5.17E-08	7.07E-08	1.12E-07	1.98E-08	1.34E-08	5.12E-07	2.65E-07	1.12E-07	1.32E-07	5.20E-08	2.65E-07	1.12E-07
1811	494961.06	3859101.99	8.22E-04	8.42E-04	7.94E-04	2.85E-07	8.59E-07	4.97E-07	5.09E-07	4.62E-07	2.11E-07	1.99E-07	9.50E-09	2.30E-07	5.06E-08	6.92E-08	1.10E-07	1.93E-08	1.31E-08	5.01E-07	2.59E-07	1.10E-07	1.30E-07	5.09E-08	2.59E-07	1.10E-07
1812	495011.06	3859101.99	8.03E-04	8.22E-04	7.76E-04	2.78E-07	8.39E-07	4.86E-07	4.98E-07	4.51E-07	2.06E-07	1.94E-07	9.28E-09	2.24E-07	4.95E-08	6.76E-08	1.07E-07	1.89E-08	1.28E-08	4.89E-07	2.53E-07	1.08E-07	1.26E-07	4.97E-08	2.53E-07	1.08E-07
1813	495061.06	3859101.99	8.00E-04	8.19E-04	7.73E-04	2.77E-07	8.36E-07	4.84E-07	4.96E-07	4.49E-07	2.05E-07	1.93E-07	9.25E-09	2.23E-07	4.93E-08	6.73E-08	1.07E-07	1.88E-08	1.28E-08	4.88E-07	2.52E-07	1.07E-07	1.26E-07	4.95E-08	2.52E-07	1.07E-07
1814	495111.06	3859101.99	7.93E-04	8.12E-04	7.66E-04	2.74E-07	8.28E-07	4.80E-07	4.91E-07	4.45E-07	2.03E-07	1.92E-07	9.16E-09	2.21E-07	4.88E-08	6.67E-08	1.06E-07	1.86E-08	1.26E-08	4.83E-07	2.50E-07	1.06E-07	1.25E-07	4.90E-08	2.50E-07	1.06E-07
1815	495161.06	3859101.99	7.93E-04	8.12E-04	7.66E-04	2.74E-07	8.28E-07	4.80E-07	4.91E-07	4.45E-07	2.03E-07	1.92E-07	9.16E-09	2.21E-07	4.88E-08	6.67E-08	1.06E-07	1.86E-08	1.26E-08	4.83E-07	2.50E-07	1.06E-07	1.25E-07	4.90E-08	2.50E-07	1.06E-07
1816	495211.06	3859101.99	7.87E-04	8.06E-04	7.60E-04	2.72E-07	8.22E-07	4.76E-07	4.88E-07	4.42E-07	2.02E-07	1.90E-07	9.09E-09	2.20E-07	4.85E-08	6.62E-08	1.05E-07	1.85E-08	1.25E-08	4.79E-07	2.48E-07	1.05E-07	1.24E-07	4.87E-08	2.48E-07	1.05E-07
1817	495261.06	3859101.99	7.84E-04	8.03E-04	7.57E-04	2.71E-07	8.19E-07	4.74E-07	4.86E-07	4.40E-07	2.01E-07	1.89E-07	9.06E-09	2.19E-07	4.83E-08	6.59E-08	1.05E-07	1.84E-08	1.25E-08	4.78E-07	2.47E-07	1.05E-07	1.23E-07	4.85E-08	2.47E-07	1.05E-07
1818	495311.06	3859101.99	7.78E-04	7.97E-04	7.51E-04	2.69E-07	8.13E-07	4.71E-07	4.82E-07	4.37E-07	1.99E-07	1.88E-07	8.99E-09	2.17E-07	4.79E-08	6.54E-08	1.04E-07	1.83E-08	1.24E-08	4.74E-07	2.45E-07	1.04E-07	1.23E-07	4.81E-08	2.45E-07	1.04E-07
1819	495361.06	3859101.99	7.78E-04	7.97E-04	7.51E-04	2.69E-07	8.13E-07	4.71E-07	4.82E-07	4.37E-07	1.99E-07	1.88E-07	8.99E-09	2.17E-07	4.79E-08	6.54E-08	1.04E-07	1.83E-08	1.24E-08	4.74E-07	2.45E-07	1.04E-07	1.23E-07	4.81E-08	2.45E-07	1.04E-07
1820	495411.06	3859101.99	7.73E-04	7.92E-04	7.47E-04	2.68E-07	8.08E-07	4.68E-07	4.79E-07	4.34E-07	1.98E-07	1.87E-07	8.94E-09	2.16E-07	4.76E-08	6.51E-08	1.03E-07	1.82E-08	1.23E-08	4.71E-07	2.44E-07	1.04E-07	1.22E-07	4.79E-08	2.44E-07	1.04E-07
1821	495461.06	3859101.99	7.66E-04	7.85E-04	7.40E-04	2.65E-07	8.01E-07	4.63E-07	4.75E-07	4.30E-07	1.96E-07	1.85E-07	8.85E-09	2.14E-07	4.72E-08	6.45E-08	1.02E-07	1.80E-08	1.22E-08	4.67E-07	2.42E-07	1.03E-07	1.21E-07	4.74E-08	2.42E-07	1.03E-07
1822	495511.06	3859101.99	7.62E-04	7.80E-04	7.36E-04	2.64E-07	7.96E-07	4.61E-07	4.72E-07	4.28E-07	1.95E-07	1.84E-07	8.80E-09	2.13E-07	4.69E-08	6.41E-08	1.02E-07	1.79E-08	1.21E-08	4.64E-07	2.40E-07	1.02E-07	1.20E-07	4.71E-08	2.40E-07	1.02E-07
1823	495561.06	3859101.99	7.57E-04	7.75E-04	7.31E-04	2.62E-07	7.91E-07	4.58E-07	4.69E-07	4.25E-07	1.94E-07	1.83E-07	8.75E-09	2.11E-07	4.66E-08	6.37E-08	1.01E-07	1.78E-08	1.21E-08	4.61E-07	2.39E-07	1.01E-07	1.19E-07	4.69E-08	2.39E-07	1.01E-07
1824	495611.06	3859101.99	7.51E-04	7.69E-04	7.26E-04	2.60E-07	7.85E-07	4.55E-07	4.66E-07	4.22E-07	1.93E-07	1.82E-07	8.68E-09	2.10E-07	4.63E-08	6.32E-08	1.00E-07	1.77E-08	1.20E-08	4.58E-07	2.37E-07	1.01E-07	1.18E-07	4.65E-08	2.37E-07	1.01E-07
1825	495661.06	3859101.99	7.48E-04	7.66E-04	7.23E-04	2.59E-07	7.82E-07	4.53E-07	4.64E-07	4.20E-07	1.92E-07	1.81E-07	8.65E-09	2.09E-07	4.61E-08	6.30E-08	9.99E-08	1.76E-08	1.19E-08	4.56E-07	2.36E-07	1.00E-07	1.18E-07	4.63E-08	2.36E-07	1.00E-07
1826	494311.06	3859151.99	1.00E-03	1.02E-03	9.67E-04	3.46E-07	1.05E-06	6.05E-07	6.20E-07	5.62E-07	2.57E-07	2.42E-07	1.16E-08	2.79E-07	6.17E-08	8.42E-08	1.34E-07	2.35E-08	1.60E-08	6.10E-07	3.16E-07	1.34E-07	1.58E-07	6.19E-08	3.16E-07	1.34E-07
1827	494361.06	3859151.99	9.93E-04	1.02E-03	9.60E-04	3.44E-07	1.04E-06	6.01E-07	6.16E-07	5.58E-07	2.55E-07	2.40E-07	1.15E-08	2.77E-07	6.12E-08	8.36E-08	1.33E-07	2.34E-08	1.58E-08	6.05E-07	3.13E-07	1.33E-07	1.56E-07	6.15E-08	3.13E-07	1.33E-07
1828	494411.06	3859151.99	9.81E-04	1.01E-03	9.48E-04	3.40E-07	1.03E-06	5.94E-07	6.08E-07	5.51E-07	2.52E-07	2.37E-07	1.13E-08	2.74E-07	6.05E-08	8.26E-08	1.31E-07	2.31E-08	1.57E-08	5.98E-07	3.10E-07	1.31E-07	1.55E-07	6.07E-08	3.10E-07	1.31E-07
1829	494461.06	3859151.99	9.70E-04	9.93E-04	9.37E-04	3.36E-07	1.01E-06	5.87E-07	6.01E-07	5.45E-07	2.49E-07	2.34E-07	1.12E-08	2.71E-07	5.97E-08	8.16E-08	1.29E-07	2.28E-08	1.55E-08	5.91E-07	3.06E-07	1.30E-07	1.53E-07	6.00E-08	3.06E-07	1.30E-07
1830	494511.06	3859151.99	9.55E-04	9.78E-04	9.23E-04	3.31E-07	9.98E-07	5.78E-07	5.92E-07	5.36E-07	2.45E-07	2.31E-07	1.10E-08	2.67E-07	5.88E-08	8.03E-08	1.27E-07	2.25E-08	1.52E-08	5.82E-07	3.01E-07	1.28E-07	1.50E-07	5.91E-08	3.01E-07	1.28E-07
1831	494561.06	3859151.99	9.45E-04	9.67E-04	9.13E-04	3.27E-07	9.87E-07	5.72E-07	5.85E-07	5.31E-07	2.42E-07	2.28E-07	1.09E-08	2.64E-07	5.82E-08	7.95E-08	1.26E-07	2.22E-08	1.51E-08	5.76E-07	2.98E-07	1.26E-07	1.49E-07	5.85E-08	2.98E-07	1.26E-07
1832	494611.06	3859151.99	9.30E-04	9.52E-04	8.98E-04	3.22E-07	9.72E-07	5.63E-07	5.76E-07	5.22E-07	2.38E-07	2.25E-07	1.07E-08	2.60E-07	5.73E-08	7.82E-08	1.24E-07	2.19E-08	1.48E-08	5.67E-07	2.93E-07	1.25E-07	1.46E-07	5.75E-08	2.93E-07	1.25E-07
1833	494661.06	3859151.99	9.19E-04	9.42E-04	8.88E-04	3.18E-07	9.61E-07	5.56E-07	5.70E-07	5.17E-07	2.36E-07	2.22E-07	1.06E-08	2.57E-07	5.67E-08	7.74E-08	1.23E-07	2.16E-08	1.47E-08	5.60E-07	2.90E-07	1.23E-07	1.45E-07	5.69E-08	2.90E-07	1.23E-07
1834	494711.06	3859151.99	9.11E-04	9.33E-04	8.80E-04	3.15E-07	9.52E-07	5.51E-07	5.64E-07	5.12E-07	2.33E-07	2.20E-07	1.05E-08	2.54E-07	5.61E-08	7.66E-08	1.22E-07	2.14E-08	1.45E-08	5.55E-07	2.87E-07	1.22E-07	1.43E-07	5.64E-08	2.87E-07	1.22E-07
1835	494761.06	3859151.99	8.96E-04	9.18E-04	8.65E-04	3.10E-07	9.36E-07	5.42E-07	5.55E-07	5.03E-07	2.30E-07	2.17E-07	1.04E-08	2.50E-07	5.52E-08	7.54E-08	1.20E-07	2.11E-08	1.43E-08	5.46E-07	2.83E-07	1.20E-07	1.41E-07	5.54E-08	2.83E-07	1.20E-07
1836	494811.06	3859151.99	8.83E-04	9.04E-04	8.53E-04	3.06E-07	9.22E-07	5.34E-07	5.47E-07	4.96E-07	2.26E-07	2.13E-07	1.02E-08	2.46E-07	5.44E-08	7.43E-08	1.18E-07	2.08E-08	1.41E-08	5.38E-07	2.79E-07	1.18E-07	1.39E-07	5.46E-08	2.79E-07	1.18E-07
1837	494861.06	3859151.99	8.74E-04	8.95E-04	8.44E-04	3.02E-07	9.13E-07	5.29E-07	5.41E-07	4.91E-07	2.24E-07	2.11E-07	1.01E-08	2.44E-07	5.38E-08	7.35E-08	1.17E-07	2.06E-08	1.39E-08	5.33E-07	2.76E-07	1.17E-07	1.38E-07	5.41E-08	2.76E-07	1.17E-07
1838	494911.06	3859151.99	8.57E-04	8.78E-04	8.28E-04	2.97E-07	8.96E-07	5.19E-07	5.31E-07	4.82E-07	2.20E-07	2.07E-07	9.91E-09	2.39E-07	5.28E-08	7.21E-08	1.14E-07	2.02E-08	1.37E-08	5.23E-07	2.71E-07	1.15E-07	1.35E-07	5.31E-08	2.71E-07	1.15E-07
1839	494961.06	3859151.99	8.37E-04	8.57E-04	8.08E-04	2.90E-07	8.75E-07	5.06E-07	5.19E-07	4.70E-07	2.15E-07	2.02E-07	9.67E-09	2.34E-07	5.16E-08	7.04E-08	1.12E-07	1.97E-08	1.33E-08	5.10E-07	2.64E-07	1.12E-07	1.32E-07	5.18E-08	2.64E-07	1.12E-07
1840	495011.06	3859151.99	8.22E-04	8.42E-04	7.94E-04	2.85E-07	8.59E-07	4.97E-07	5.09E-07	4.62E-07	2.11E-07	1.99E-07	9.50E-09	2.30E-07	5.06E-08	6.92E-08	1.10E-07	1.93E-08	1.31E-08	5.01E-07	2.59E-07	1.10E-07	1.30E-07	5.09E-08	2.59E-07	1.10E-07
1841	495061.06	3859151.99	8.18E-04	8.37E-04	7.90E-04	2.83E-07	8.55E-07	4.95E-07	5.07E-07	4.59E-07	2.10E-07	1.98E-07	9.45E-09	2.28E-07	5.04E-08	6.88E-08	1.09E-07	1.92E-08	1.30E-08	4.98E-07	2.58E-07	1.09E-07	1.29E-07	5.06E-08	2.58E-07	1.09E-07

1842	495111.06	3859151.99	8.12E-04	8.31E-04	7.84E-04	2.81E-07	8.48E-07	4.91E-07	5.03E-07	4.56E-07	2.08E-07	1.96E-07	9.38E-09	2.27E-07	5.00E-08	6.83E-08	1.08E-07	1.91E-08	1.29E-08	4.95E-07	2.56E-07	1.09E-07	1.28E-07	5.02E-08	2.56E-07	1.09E-07
1843	495161.06	3859151.99	8.12E-04	8.31E-04	7.84E-04	2.81E-07	8.48E-07	4.91E-07	5.03E-07	4.56E-07	2.08E-07	1.96E-07	9.38E-09	2.27E-07	5.00E-08	6.83E-08	1.08E-07	1.91E-08	1.29E-08	4.95E-07	2.56E-07	1.09E-07	1.28E-07	5.02E-08	2.56E-07	1.09E-07
1844	495211.06	3859151.99	8.06E-04	8.25E-04	7.79E-04	2.79E-07	8.42E-07	4.88E-07	4.99E-07	4.53E-07	2.07E-07	1.95E-07	9.31E-09	2.25E-07	4.96E-08	6.78E-08	1.08E-07	1.90E-08	1.29E-08	4.91E-07	2.54E-07	1.08E-07	1.27E-07	4.99E-08	2.54E-07	1.08E-07
1845	495261.06	3859151.99	8.01E-04	8.21E-04	7.74E-04	2.77E-07	8.38E-07	4.85E-07	4.97E-07	4.50E-07	2.05E-07	1.94E-07	9.26E-09	2.24E-07	4.94E-08	6.74E-08	1.07E-07	1.89E-08	1.28E-08	4.88E-07	2.53E-07	1.07E-07	1.26E-07	4.96E-08	2.53E-07	1.07E-07
1846	495311.06	3859151.99	7.97E-04	8.16E-04	7.70E-04	2.76E-07	8.33E-07	4.82E-07	4.94E-07	4.48E-07	2.04E-07	1.93E-07	9.21E-09	2.23E-07	4.91E-08	6.71E-08	1.06E-07	1.87E-08	1.27E-08	4.86E-07	2.52E-07	1.07E-07	1.26E-07	4.93E-08	2.52E-07	1.07E-07
1847	495361.06	3859151.99	7.93E-04	8.12E-04	7.66E-04	2.74E-07	8.28E-07	4.80E-07	4.91E-07	4.45E-07	2.03E-07	1.92E-07	9.16E-09	2.21E-07	4.88E-08	6.67E-08	1.06E-07	1.86E-08	1.26E-08	4.83E-07	2.50E-07	1.06E-07	1.25E-07	4.90E-08	2.50E-07	1.06E-07
1848	495411.06	3859151.99	7.93E-04	8.12E-04	7.66E-04	2.74E-07	8.28E-07	4.80E-07	4.91E-07	4.45E-07	2.03E-07	1.92E-07	9.16E-09	2.21E-07	4.88E-08	6.67E-08	1.06E-07	1.86E-08	1.26E-08	4.83E-07	2.50E-07	1.06E-07	1.25E-07	4.90E-08	2.50E-07	1.06E-07
1849	495461.06	3859151.99	7.88E-04	8.07E-04	7.61E-04	2.73E-07	8.24E-07	4.77E-07	4.88E-07	4.43E-07	2.02E-07	1.91E-07	9.11E-09	2.20E-07	4.86E-08	6.63E-08	1.05E-07	1.85E-08	1.26E-08	4.80E-07	2.49E-07	1.06E-07	1.24E-07	4.88E-08	2.49E-07	1.06E-07
1850	495511.06	3859151.99	7.81E-04	8.00E-04	7.54E-04	2.70E-07	8.16E-07	4.72E-07	4.84E-07	4.39E-07	2.00E-07	1.89E-07	9.02E-09	2.18E-07	4.81E-08	6.57E-08	1.04E-07	1.84E-08	1.25E-08	4.76E-07	2.46E-07	1.05E-07	1.23E-07	4.83E-08	2.46E-07	1.05E-07
1851	495561.06	3859151.99	7.75E-04	7.94E-04	7.49E-04	2.68E-07	8.10E-07	4.69E-07	4.80E-07	4.35E-07	1.99E-07	1.87E-07	8.96E-09	2.16E-07	4.77E-08	6.52E-08	1.03E-07	1.82E-08	1.24E-08	4.72E-07	2.45E-07	1.04E-07	1.22E-07	4.80E-08	2.45E-07	1.04E-07
1852	495611.06	3859151.99	7.69E-04	7.88E-04	7.43E-04	2.66E-07	8.04E-07	4.65E-07	4.77E-07	4.32E-07	1.97E-07	1.86E-07	8.89E-09	2.15E-07	4.74E-08	6.47E-08	1.03E-07	1.81E-08	1.23E-08	4.69E-07	2.43E-07	1.03E-07	1.21E-07	4.76E-08	2.43E-07	1.03E-07
1853	495661.06	3859151.99	7.65E-04	7.83E-04	7.39E-04	2.65E-07	7.99E-07	4.63E-07	4.74E-07	4.29E-07	1.96E-07	1.85E-07	8.84E-09	2.13E-07	4.71E-08	6.43E-08	1.02E-07	1.80E-08	1.22E-08	4.66E-07	2.41E-07	1.02E-07	1.20E-07	4.73E-08	2.41E-07	1.02E-07
1854	494311.06	3859201.99	1.03E-03	1.06E-03	9.95E-04	3.57E-07	1.08E-06	6.23E-07	6.38E-07	5.79E-07	2.64E-07	2.49E-07	1.19E-08	2.88E-07	6.35E-08	8.67E-08	1.38E-07	2.42E-08	1.64E-08	6.28E-07	3.25E-07	1.38E-07	1.62E-07	6.38E-08	3.25E-07	1.38E-07
1855	494361.06	3859201.99	1.02E-03	1.05E-03	9.87E-04	3.54E-07	1.07E-06	6.18E-07	6.33E-07	5.74E-07	2.62E-07	2.47E-07	1.18E-08	2.85E-07	6.29E-08	8.59E-08	1.36E-07	2.40E-08	1.63E-08	6.22E-07	3.22E-07	1.37E-07	1.61E-07	6.32E-08	3.22E-07	1.37E-07
1856	494411.06	3859201.99	1.01E-03	1.03E-03	9.75E-04	3.49E-07	1.06E-06	6.11E-07	6.26E-07	5.67E-07	2.59E-07	2.44E-07	1.17E-08	2.82E-07	6.22E-08	8.49E-08	1.35E-07	2.37E-08	1.61E-08	6.15E-07	3.19E-07	1.35E-07	1.59E-07	6.25E-08	3.19E-07	1.35E-07
1857	494461.06	3859201.99	9.93E-04	1.02E-03	9.60E-04	3.44E-07	1.04E-06	6.01E-07	6.16E-07	5.58E-07	2.55E-07	2.40E-07	1.15E-08	2.77E-07	6.12E-08	8.36E-08	1.33E-07	2.34E-08	1.58E-08	6.05E-07	3.13E-07	1.33E-07	1.56E-07	6.15E-08	3.13E-07	1.33E-07
1858	494511.06	3859201.99	9.81E-04	1.01E-03	9.48E-04	3.40E-07	1.03E-06	5.94E-07	6.08E-07	5.51E-07	2.52E-07	2.37E-07	1.13E-08	2.74E-07	6.05E-08	8.26E-08	1.31E-07	2.31E-08	1.57E-08	5.98E-07	3.10E-07	1.31E-07	1.55E-07	6.07E-08	3.10E-07	1.31E-07
1859	494561.06	3859201.99	9.67E-04	9.90E-04	9.34E-04	3.35E-07	1.01E-06	5.85E-07	5.99E-07	5.43E-07	2.48E-07	2.34E-07	1.12E-08	2.70E-07	5.96E-08	8.13E-08	1.29E-07	2.27E-08	1.54E-08	5.89E-07	3.05E-07	1.29E-07	1.52E-07	5.98E-08	3.05E-07	1.29E-07
1860	494611.06	3859201.99	9.53E-04	9.77E-04	9.21E-04	3.30E-07	9.97E-07	5.77E-07	5.91E-07	5.36E-07	2.44E-07	2.31E-07	1.10E-08	2.66E-07	5.87E-08	8.02E-08	1.27E-07	2.24E-08	1.52E-08	5.81E-07	3.01E-07	1.28E-07	1.50E-07	5.90E-08	3.01E-07	1.28E-07
1861	494661.06	3859201.99	9.43E-04	9.66E-04	9.11E-04	3.26E-07	9.86E-07	5.71E-07	5.84E-07	5.30E-07	2.42E-07	2.28E-07	1.09E-08	2.63E-07	5.81E-08	7.94E-08	1.26E-07	2.22E-08	1.50E-08	5.75E-07	2.98E-07	1.26E-07	1.49E-07	5.84E-08	2.98E-07	1.26E-07
1862	494711.06	3859201.99	9.31E-04	9.54E-04	9.00E-04	3.22E-07	9.73E-07	5.63E-07	5.77E-07	5.23E-07	2.39E-07	2.25E-07	1.08E-08	2.60E-07	5.74E-08	7.84E-08	1.24E-07	2.19E-08	1.49E-08	5.68E-07	2.94E-07	1.25E-07	1.47E-07	5.76E-08	2.94E-07	1.25E-07
1863	494761.06	3859201.99	9.17E-04	9.39E-04	8.85E-04	3.17E-07	9.58E-07	5.55E-07	5.68E-07	5.15E-07	2.35E-07	2.22E-07	1.06E-08	2.56E-07	5.65E-08	7.71E-08	1.22E-07	2.16E-08	1.46E-08	5.59E-07	2.89E-07	1.23E-07	1.44E-07	5.67E-08	2.89E-07	1.23E-07
1864	494811.06	3859201.99	9.03E-04	9.25E-04	8.73E-04	3.13E-07	9.44E-07	5.47E-07	5.60E-07	5.07E-07	2.32E-07	2.18E-07	1.04E-08	2.52E-07	5.57E-08	7.60E-08	1.21E-07	2.12E-08	1.44E-08	5.51E-07	2.85E-07	1.21E-07	1.42E-07	5.59E-08	2.85E-07	1.21E-07
1865	494861.06	3859201.99	8.87E-04	9.08E-04	8.57E-04	3.07E-07	9.27E-07	5.37E-07	5.50E-07	4.98E-07	2.27E-07	2.14E-07	1.03E-08	2.48E-07	5.47E-08	7.46E-08	1.18E-07	2.09E-08	1.41E-08	5.41E-07	2.80E-07	1.19E-07	1.40E-07	5.49E-08	2.80E-07	1.19E-07
1866	494911.06	3859201.99	8.72E-04	8.93E-04	8.43E-04	3.02E-07	9.12E-07	5.28E-07	5.41E-07	4.90E-07	2.24E-07	2.11E-07	1.01E-08	2.44E-07	5.37E-08	7.34E-08	1.16E-07	2.05E-08	1.39E-08	5.32E-07	2.75E-07	1.17E-07	1.37E-07	5.40E-08	2.75E-07	1.17E-07
1867	494961.06	3859201.99	8.56E-04	8.77E-04	8.27E-04	2.96E-07	8.95E-07	5.18E-07	5.30E-07	4.81E-07	2.19E-07	2.07E-07	9.89E-09	2.39E-07	5.27E-08	7.20E-08	1.14E-07	2.01E-08	1.37E-08	5.22E-07	2.70E-07	1.15E-07	1.35E-07	5.30E-08	2.70E-07	1.15E-07
1868	495011.06	3859201.99	8.34E-04	8.54E-04	8.06E-04	2.89E-07	8.72E-07	5.05E-07	5.17E-07	4.68E-07	2.14E-07	2.02E-07	9.64E-09	2.33E-07	5.14E-08	7.02E-08	1.11E-07	1.96E-08	1.33E-08	5.08E-07	2.63E-07	1.12E-07	1.31E-07	5.16E-08	2.63E-07	1.12E-07
1869	495061.06	3859201.99	8.38E-04	8.59E-04	8.10E-04	2.90E-07	8.76E-07	5.07E-07	5.20E-07	4.71E-07	2.15E-07	2.03E-07	9.69E-09	2.34E-07	5.17E-08	7.05E-08	1.12E-07	1.97E-08	1.34E-08	5.11E-07	2.65E-07	1.12E-07	1.32E-07	5.19E-08	2.65E-07	1.12E-07
1870	495111.06	3859201.99	8.34E-04	8.54E-04	8.06E-04	2.89E-07	8.72E-07	5.05E-07	5.17E-07	4.68E-07	2.14E-07	2.02E-07	9.64E-09	2.33E-07	5.14E-08	7.02E-08	1.11E-07	1.96E-08	1.33E-08	5.08E-07	2.63E-07	1.12E-07	1.31E-07	5.16E-08	2.63E-07	1.12E-07
1871	495161.06	3859201.99	8.29E-04	8.50E-04	8.01E-04	2.87E-07	8.67E-07	5.02E-07	5.14E-07	4.66E-07	2.13E-07	2.01E-07	9.59E-09	2.32E-07	5.11E-08	6.98E-08	1.11E-07	1.95E-08	1.32E-08	5.06E-07	2.62E-07	1.11E-07	1.31E-07	5.13E-08	2.62E-07	1.11E-07
1872	495211.06	3859201.99	8.24E-04	8.43E-04	7.96E-04	2.85E-07	8.61E-07	4.98E-07	5.10E-07	4.63E-07	2.11E-07	1.99E-07	9.52E-09	2.30E-07	5.07E-08	6.93E-08	1.10E-07	1.94E-08	1.31E-08	5.02E-07	2.60E-07	1.10E-07	1.30E-07	5.10E-08	2.60E-07	1.10E-07
1873	495261.06	3859201.99	8.21E-04	8.40E-04	7.93E-04	2.84E-07	8.58E-07	4.97E-07	5.09E-07	4.61E-07	2.10E-07	1.98E-07	9.49E-09	2.29E-07	5.06E-08	6.90E-08	1.10E-07	1.93E-08	1.31E-08	5.00E-07	2.59E-07	1.10E-07	1.29E-07	5.08E-08	2.59E-07	1.10E-07
1874	495311.06	3859201.99	8.16E-04	8.36E-04	7.88E-04	2.83E-07	8.53E-07	4.94E-07	5.06E-07	4.59E-07	2.09E-07	1.97E-07	9.43E-09	2.28E-07	5.03E-08	6.87E-08	1.09E-07	1.92E-08	1.30E-08	4.97E-07	2.58E-07	1.09E-07	1.29E-07	5.05E-08	2.58E-07	1.09E-07
1875	495361.06	3859201.99	8.12E-04	8.31E-04	7.84E-04	2.81E-07	8.48E-07	4.91E-07	5.03E-07	4.56E-07	2.08E-07	1.96E-07	9.38E-09	2.27E-07	5.00E-08	6.83E-08	1.08E-07	1.91E-08	1.29E-08	4.95E-07	2.56E-07	1.09E-07	1.28E-07	5.02E-08	2.56E-07	1.09E-07
1876	495411.06	3859201.99	8.10E-04	8.30E-04	7.83E-04	2.80E-07	8.47E-07	4.90E-07	5.02E-07	4.55E-07	2.08E-07	1.96E-07	9.37E-09	2.26E-07	4.99E-08	6.82E-08	1.08E-07	1.91E-08	1.29E-08	4.94E-07	2.56E-07	1.09E-07	1.28E-07	5.01E-08	2.56E-07	1.09E-07
1877	495461.06	3859201.99	8.06E-04	8.25E-04	7.79E-04	2.79E-07	8.42E-07	4.88E-07	4.99E-07	4.53E-07	2.07E-07	1.95E-07	9.31E-09	2.25E-07	4.96E-08	6.78E-08	1.08E-07	1.90E-08	1.29E-08	4.91E-07	2.54E-07	1.08E-07	1.27E-07	4.99E-08	2.54E-07	1.08E-07
1878	495511.06	3859201.99	8.00E-04	8.19E-04	7.73E-04	2.77E-07	8.36E-07	4.84E-07	4.96E-07	4.49E-07	2.05E-07	1.93E-07	9.25E-09	2.23E-07	4.93E-08	6.73E-08	1.07E-07	1.88E-08	1.28E-08	4.88E-07	2.52E-07	1.07E-07	1.26E-07	4.95E-08	2.52E-07	1.07E-07
1879	495561.06	3859201.99	7.93E-04	8.12E-04	7.66E-04	2.74E-07	8.28E-07	4.80E-07	4.91E-07	4.45E-07	2.03E-07	1.92E-07	9.16E-09	2.21E-07	4.88E-08	6.67E-08	1.06E-07	1.86E-08	1.26E-08	4.83E-07	2.50E-07	1.06E-07	1.25E-07	4.90E-08	2.50E-07	1.06E-07
1880	495611.06	3859201.99	7.85E-04	8.04E-04	7.59E-04	2.72E-07	8.21E-07	4.75E-07	4.87E-07	4.41E-07	2.01E-07	1.90E-07	9.08E-09	2.19E-07	4.84E-08	6.61E-08	1.05E-07	1.85E-08	1.25E-08	4.79E-07	2.48E-07	1.05E-07	1.24E-07	4.86E-08	2.48E-07	1.05E-07
1881	495661.06	3859201.99	7.81E-04	8.00E-04	7.54E-04	2.70E-07	8.16E-07	4.72E-07	4.84E-07	4.39E-07	2.00E-07	1.89E-07	9.02E-09	2.18E-07	4.81E-08	6.57E-08	1.04E-07	1.84E-08	1.25E-08	4.76E-07	2.46E-07	1.05E-07	1.23E-07	4.83E-08	2.46E-07	1.05E-07
1882	494311.06	3859251.99	1.06E-03	1.09E-03	1.02E-03	3.67E-07	1.11E-06	6.41E-07	6.57E-07	5.95E-07	2.72E-07	2.56E-07	1.22E-08	2.96E-07	6.53E-08	8.92E-08	1.41E-07	2.49E-08	1.69E-08	6.46E-07	3.34E-07	1.42E-07	1.67E-07	6.56E-08	3.34E-07	1.42E-07
1883	494361.06	3859251.99	1.05E-03	1.07E-03	1.01E-03	3.63E-07	1.10E-06	6.34E-07	6.49E-07	5.89E-07	2.69E-07	2.53E-07	1.21E-08	2.93E-07	6.46E-08	8.82E-08	1.40E-07	2.47E-08	1.67E-08	6.39E-07	3.31E-07	1.40E-07	1.65E-07	6.49E-08	3.31E-07	1.40E-07
1884	494411.06	3859251.99	1.03E-03	1.06E-03	9.95E-04	3.57E-07	1.08E-06	6.23E-07	6.38E-07	5.79E-07	2.64E-07	2.49E-07	1.19E-08	2.88E-07	6.35E-08	8.67E-08	1.38E-07	2.42E-08	1.64E-08	6.28E-07	3.25E-07	1.38E-07	1.62E-07	6.38E-08	3.25E-07	1.38E-07
1885	494461.06	3859251.99	1.02E-03	1.04E-03	9.85E-04	3.53E-07	1.07E-06	6.17E-07	6.32E-07	5.73E-07	2.61E-07	2.47E-07	1.18E-08	2.85E-07	6.28E-08	8.58E-08	1.36E-07	2.40E-08	1.63E-08	6.22E-07	3.22E-07	1.37E-07	1.61E-07	6.31E-08	3.22E-07	1.37E-07
1886	494511.06	3859251.99	1.00E-03	1.02E-03	9.67E-04	3.46E-07	1.05E-06	6.05E-07	6.20E-07	5.62E-07	2.57E-07	2.42E-07	1.16E-08	2.79E-07	6.17E-08	8.42E-08	1.34E-07	2.35E-08	1.60E-08	6.10E-07	3.16E-07	1.34E-07	1.58E-07	6.19E-08	3.16E-07	1.34E-07
1887	494561.06	3859251.99	9.89E-04	1.01E-03	9.55E-04	3.42E-07	1.03E-06	5.98E-07	6.13E-07	5.56E-07	2.53E-07	2.39E-07	1.14E-08	2.76E-07	6.09E-08	8.32E-08	1.32E-07	2.33E-08	1.58E-08	6.03E-07	3.12E-07	1.32E-07	1.56E-07	6.12E-08	3.12E-07	1.32E-07
1888	494611.06	3859251.99	9.74E-04	9.98E-04	9.41E-04	3.37E-07	1.02E-06	5.89E-07	6.04E-07	5.47E-07	2.50E-07	2.36E-07	1.13E-08	2.72E-07	6.00E-08	8.20E-08	1.30E-07	2.29E-08	1.55E-08	5.94E-07	3.07E-07	1.30E-07	1.53E-07	6.03E-08	3.07E-07	1.30E-07
1889	494661.06	3859251.99	9.65E-04	9.89E-04	9.33E-04	3.34E-07	1.01E-06	5.84E-07	5.98E-07	5.42E-07	2.47E-07	2.33E-07	1.12E-08	2.70E-07	5.95E-08	8.12E-08	1.29E-07	2.27E-08	1.54E-08	5.88E-07	3.05E-07	1.29E-07	1.52E-07	5.97E-08	3.05E-07	1.29E-07
1890	494711.06	3859251.99	9.53E-04	9.77E-04	9.21E-04	3.30E-07	9.97E-07	5.77E-07	5.91E-07	5.36E-07	2.44E-07	2.31E-07	1.10E-08	2.66E-07	5.87E-08	8.02E-08	1.27E-07	2.24E-08	1.52E-08	5.81E-07	3.01E-07	1.28E-07	1.50E-07	5.90E-08	3.01E-07	1.28E-07
1891	494761.06	3859251.99	9.30E-04	9.52E-04	8.98E-04	3.22E-07	9.72E-07	5.63E-07	5.76E-07	5.22E-07	2.38E-07	2.25E-07	1.07E-08	2.60E-07	5.73E-08	7.82E-08	1.24E-07	2.19E-08	1.48E-08	5.67E-07	2.93E-07	1.25E-07	1.46E-07	5.75E-08	2.93E-07	1.25E-07
1892	494811.06	3859251.99	9.25E-04	9.48E-04	8.94E-04	3.20E-07	9.67E-07	5.60E-07	5.73E-07	5.20E-07	2.37E-07	2.24E-07	1.07E-08	2.58E-07	5.70E-08	7.79E-08	1.24E-07	2.18E-08	1.48E-08	5.64E-07	2.92E-07	1.24E-07	1.46E-07	5.73E-08	2.92E-07	1.24E-07
1893	494861.06	3859251.99	9.02E-04	9.24E-04	8.71E-04	3.12E-07	9.43E-07	5.46E-07	5.59E-07	5.07E-07	2.31E-07	2.18E-07	1.04E-08	2.52E-07	5.56E-08	7.59E-08	1.20E-07	2.12E-08	1.44E-08	5.50E-07	2.85E-07	1.21E-07	1.42E-07	5.58E-08	2.85E-07	1.21E-07
1894	494911.06	3859251.99	8.88E-04	9.10E-04	8.58E-04	3.08E-07	9.29E-07	5.38E-07	5.51E-07	4.99E-07	2.28E-07	2.15E-07	1.03E-08	2.48E-07	5.47E-08	7.48E-08	1.19E-07	2.09E-08	1.42E-08	5.42E-07	2.80E-07	1.19E-07	1.40E-07	5.50E-08	2.80E-07	1.19E-07
1895	494961.06	3859251.99	8.77E-04	8.98E-04	8.47E-04	3.03E-07	9.16E-07	5.30E-07	5.43E-07	4.92E-07	2.25E-07	2.12E-07	1.01E-08	2.45E-07	5.40E-08	7.38E-08	1.17E-07	2.06E-08	1.40E-08	5.34E-07	2.77E-07	1.17E-07	1.38E-07	5.43E-08	2.77E-07	1.17E-07
1896	495011.06	3859251.99	8.65E-04	8.86E-04	8.36E-04	2.99E-07	9.04E-07	5.23E-07	5.36E-07	4.86E-07	2.22E-07	2.09E-07	1.00E-08	2.41E-07	5.33E-08	7.28E-08	1.15E-07	2.03E-08	1.38E-08	5.27E-07	2.73E-07	1.16E-07	1.36E-07	5.35E-08	2.73E-07	1.16E-07
1897	495061.06	3859251.99	8.62E-04	8.83E-04	8.33E-04	2.98E-07	9.01E-07	5.22E-07	5.34E-07	4.84E-07	2.21E-07	2.08E-07	9.96E-09	2.41E-07	5.31E-08	7.25E-08	1.15E-07	2.03E-08	1.37E-08	5.25E-07	2.72E-07	1.15E-07	1.36E-07	5.33E-08	2.72E-07	1.15E-07
1898	495111.06	3859251.99	8.56E-04	8.77E-04	8.27E-04	2.96E-07	8.95E-07	5.18E-07	5.30E-07	4.81E-07	2.19E-07	2.07E-07	9.89E-09	2.39E-07	5.27E-08	7.20E-08	1.14E-07	2.01E-08	1.37E-08	5.22E-07	2.70E-07	1.15E-07	1.35E-07	5.30E-08	2.70E-07	1.15E-07
1899	495161.06	3859251.99	8.52E-04	8.72E-04	8.23E-04	2.95E-07	8.90E-07	5.15E-07	5.28E-07	4.78E-07	2.18E-07	2.06E-07	9.84E-09	2.38E-07	5.25E-08	7.17E-08	1.14E-07	2.00E-08	1.36E-08	5.19E-07	2.69E-07	1.14E-07	1.34E-07	5.27E-08	2.69E-07	1.14E-07
1900	495211.06	3859251.99	8.44E-04	8.65E-04	8.16E-04	2.92E-07	8.82E-07	5.11E-07	5.23E-07	4.74E-07	2.16E-07	2.04E-07	9.76E-09	2.36E-07	5.20E-08	7.10E-08	1.13E-07	1.99E-08	1.35E-08	5.15E-07	2.66E-07	1.13E-07	1.33E-07	5.22E-08	2.66E-07	1.13E-07
1901	495261.06	3859251.99	8.37E-04	8.57E-04	8.08E-04	2.90E-07	8.75E-07	5.06E-07	5.19E-07	4.70E-07	2.15E-07	2.02E-07	9.67E-09	2.34E-07	5.16E-08	7.04E-08	1.12E-07	1.97E-08	1.33E-08	5.10E-07	2.64E-07	1.12E-07	1.32E-07	5.18E-08	2.64E-07	1.12E-07
1902	495311.06	3859251.99	8.37E-04	8.57E-04	8.08E-04	2.90E-07	8.75E-07	5.06E-07	5.19E-07	4.70E-07	2.15E-07	2.02E-07	9.67E-09	2.34E-07	5.16E-08	7.04E-08	1.12E-07	1.97E-08	1.33E-08	5.10E-07	2.64E-07	1.12E-07	1.32E-07	5.18E-08	2.64E-07	1.12E-07
1903	495361.06	3859251.99	8.31E-04	8.51E-04	8.03E-04	2.88E-07	8.68E-07	5.03E-07	5.15E-07	4.67E-07	2.13E-07	2.01E-07	9.60E-09	2.32E-07	5.12E-08	6.99E-08	1.11E-07	1.95E-08	1.33E-08	5.06E-07	2.62E-07	1.11E-07	1.31E-07	5.14E-08	2.62E-07	1.11E-07
1904	495411.06	3859251.99	8.29E-04	8.50E-04	8.01E-04	2.87E-07	8.67E-07	5.02E-07	5.14E-07	4.66E-07	2.13E-07	2.01E-07	9.59E-09	2.32E-07	5.11E-08	6.98E-08	1.11E-07	1.95E-08	1.32E-08	5.06E-07	2.62E-07	1.11E-07	1.31E-07	5.13E-08	2.62E-07	1.11E-07
1905	495461.06	3859251.99	8.25E-04	8.45E-04	7.97E-04	2.86E-07	8.62E-07	4.99E-07	5.11E-07	4.63E-07	2.11E-07	1.99E-07	9.54E-09	2.30E-07	5.08E-08	6.94E-08	1.10E-07	1.94E-08	1.32E-08	5.03E-07	2.60E-07	1.10E-07	1.30E-07	5.11E-08	2.60E-07	1.10E-07
1906	495511.06	3859251.99	8.16E-04	8.36E-04	7.88E-04	2.83E-07	8.53E-07	4.94E-07	5.06E-07	4.59E-07	2.09E-07	1.97E-07	9.43E-09	2.28E-07	5.03E-08	6.87E-08	1.09E-07	1.92E-08	1.30E-08	4.97E-07	2.58E-07	1.09E-07	1.29E-07	5.05E-08	2.58E-07	1.09E-07
1907	495561.06	3859251.99	8.10E-04	8.30E-04	7.83E-04	2.80E-07	8.47E-07	4.90E-07	5.02E-07	4.55E-07	2.08E-07	1.96E-07	9.37E-09	2.26E-07	4.99E-08	6.82E-08	1.08E-07	1.91E-08	1.29E-08	4.94E-07	2.56E-07	1.09E-07	1.28E-07	5.01E-08	2.56E-07	1.09E-07
1908	495611.06	3859251.99	8.01E-04	8.21E-04	7.74E-04	2.77E-07	8.38E-07	4.85E-07	4.97E-07	4.50E-07	2.05E-07	1.94E-07	9.26E-09	2.24E-07	4.94E-08	6.74E-08	1.07E-07	1.89E-08	1.28E-08	4.88E-07	2.53E-07	1.07E-07	1.26E-07	4.96E-08	2.53E-07	1.07E-07
1909	495661.06	3859251.99	7.97E-04	8.16E-04	7.70E-04	2.76E-07	8.33E-07	4.82E-07	4.94E-07	4.48E-07	2.04E-07	1.93E-07	9.21E-09	2.23E-07	4.91E-08	6.71E-08	1.06E-07	1.87E-08	1.27E-08	4.86E-07	2.52E-07	1.07E-07	1.26E-07	4.93E-08	2.52E-07	1.07E-07
1910	494311.06	3859301.99	1.09E-03	1.12E-03	1.05E-03	3.77E-07	1.14E-06	6.59E-07	6.75E-07	6.12E-07	2.79E-07	2.63E-07	1.26E-08	3.04E-07	6.71E-08	9.16E-08	1.45E-07	2.56E-08	1.74E-08	6.64E-07	3.44E-07	1.46E-07	1.72E-07	6.74E-08	3.44E-07	1.46E-07
1911	494361.06	3859301.99	1.07E-03	1.10E-03	1.04E-03	3.72E-07	1.12E-06	6.50E-07	6.66E-07	6.04E-07	2.75E-07	2.60E-07	1.24E-08	3.00E-07	6.62E-08	9.04E-08	1.43E-07	2.53E-08	1.71E-08	6.55E-07	3.39E-07	1.44E-07	1.69E-07	6.65E-08	3.39E-07	1.44E-07
1912	494411.06	3859301.99	1.06E-03	1.08E-03	1.02E-03	3.66E-07	1.11E-06	6.40E-07	6.56E-07	5.94E-07	2.71E-07	2.56E-07	1.22E-08	2.95E-07	6.52E-08	8.90E-08	1.41E-07	2.49E-08	1.69E-08	6.45E-07	3.34E-07	1.42E-07	1.67E-07	6.55E-08	3.34E-07	1.42E-07
1913	494461.06	3859301.99	1.04E-03	1.07E-03	1.01E-03	3.60E-07	1.09E-06	6.30E-07	6.45E-07	5.85E-07	2.67E-07	2.52E-07	1.20E-08	2.91E-07	6.41E-08	8.75E-08	1.39E-07	2.45E-08	1.66E-08	6.34E-07	3.28E-07	1.39E-07	1.64E-07	6.44E-08	3.28E-07	1.39E-07
1914	494511.06	3859301.99	1.03E-03	1.05E-03	9.91E-04	3.55E-07	1.07E-06	6.21E-07	6.36E-07	5.76E-07	2.63E-07	2.48E-07	1.19E-08	2.86E-07	6.32E-08	8.63E-08	1.37E-07	2.41E-08	1.64E-08	6.25E-07	3.24E-07	1.37E-07	1.62E-07	6.35E-08	3.24E-07	1.37E-07
1915	494561.06	3859301.99	1.01E-03	1.04E-03	9.80E-04	3.51E-07	1.06E-06	6.13E-07	6.28E-07	5.70E-07	2.60E-07	2.45E-07	1.17E-08	2.83E-07	6.25E-08	8.53E-08	1.35E-07	2.39E-08	1.62E-08	6.18E-07	3.20E-07	1.36E-07	1.60E-07	6.28E-08	3.20E-07	1.36E-07
1916	494611.06	3859301.99	1.00E-03	1.02E-03	9.67E-04	3.46E-07	1.05E-06	6.05E-07	6.20E-07	5.62E-07	2.57E-07	2.42E-07	1.16E-08	2.79E-07	6.17E-08	8.42E-08	1.34E-07	2.35E-08	1.60E-08	6.10E-07	3.16E-07	1.34E-07	1.58E-07	6.19E-08	3.16E-07	1.34E-07
1917	494661.06	3859301.99	9.87E-04	1.01E-03	9.54E-04	3.42E-07	1.03E-06	5.97E-07	6.12E-07	5.55E-07	2.53E-07	2.39E-07	1.14E-08	2.76E-07	6.08E-08	8.31E-08	1.32E-07	2.32E-08	1.57E-08	6.02E-07	3.12E-07	1.32E-07	1.56E-07	6.11E-08	3.12E-07	1.32E-07
1918	494711.06	3859301.99	9.73E-04	9.96E-04	9.40E-04	3.37E-07	1.02E-06	5.88E-07	6.03E-07	5.46E-07	2.49E-07	2.35E-07	1.12E-08	2.72E-07	5.99E-08	8.18E-08	1.30E-07	2.29E-08	1.55E-08	5.93E-07	3.07E-07	1.30E-07	1.53E-07	6.02E-08	3.07E-07	1.30E-07

1919	494761.06	3859301.99	9.59E-04	9.83E-04	9.27E-04	3.32E-07	1.00E-06	5.80E-07	5.95E-07	5.39E-07	2.46E-07	2.32E-07	1.11E-08	2.68E-07	5.91E-08	8.07E-08	1.28E-07	2.26E-08	1.53E-08	5.85E-07	3.03E-07	1.28E-07	1.51E-07	5.94E-08	3.03E-07	1.28E-07
1920	494811.06	3859301.99	9.43E-04	9.66E-04	9.11E-04	3.26E-07	9.86E-07	5.71E-07	5.84E-07	5.30E-07	2.42E-07	2.28E-07	1.09E-08	2.63E-07	5.81E-08	7.94E-08	1.26E-07	2.22E-08	1.50E-08	5.75E-07	2.98E-07	1.26E-07	1.49E-07	5.84E-08	2.98E-07	1.26E-07
1921	494861.06	3859301.99	9.22E-04	9.45E-04	8.91E-04	3.19E-07	9.64E-07	5.58E-07	5.72E-07	5.18E-07	2.36E-07	2.23E-07	1.07E-08	2.58E-07	5.68E-08	7.76E-08	1.23E-07	2.17E-08	1.47E-08	5.62E-07	2.91E-07	1.24E-07	1.45E-07	5.71E-08	2.91E-07	1.24E-07
1922	494911.06	3859301.99	9.11E-04	9.33E-04	8.80E-04	3.15E-07	9.52E-07	5.51E-07	5.64E-07	5.12E-07	2.33E-07	2.20E-07	1.05E-08	2.54E-07	5.61E-08	7.66E-08	1.22E-07	2.14E-08	1.45E-08	5.55E-07	2.87E-07	1.22E-07	1.43E-07	5.64E-08	2.87E-07	1.22E-07
1923	494961.06	3859301.99	8.90E-04	9.12E-04	8.60E-04	3.08E-07	9.30E-07	5.38E-07	5.52E-07	5.00E-07	2.28E-07	2.15E-07	1.03E-08	2.48E-07	5.48E-08	7.49E-08	1.19E-07	2.09E-08	1.42E-08	5.42E-07	2.81E-07	1.19E-07	1.40E-07	5.51E-08	2.81E-07	1.19E-07
1924	495011.06	3859301.99	8.80E-04	9.01E-04	8.50E-04	3.04E-07	9.19E-07	5.32E-07	5.45E-07	4.94E-07	2.25E-07	2.13E-07	1.02E-08	2.46E-07	5.42E-08	7.40E-08	1.17E-07	2.07E-08	1.40E-08	5.36E-07	2.78E-07	1.18E-07	1.39E-07	5.44E-08	2.78E-07	1.18E-07
1925	495061.06	3859301.99	8.83E-04	9.04E-04	8.53E-04	3.06E-07	9.22E-07	5.34E-07	5.47E-07	4.96E-07	2.26E-07	2.13E-07	1.02E-08	2.46E-07	5.44E-08	7.43E-08	1.18E-07	2.08E-08	1.41E-08	5.38E-07	2.79E-07	1.18E-07	1.39E-07	5.46E-08	2.79E-07	1.18E-07
1926	495111.06	3859301.99	8.72E-04	8.93E-04	8.43E-04	3.02E-07	9.12E-07	5.28E-07	5.41E-07	4.90E-07	2.24E-07	2.11E-07	1.01E-08	2.44E-07	5.37E-08	7.34E-08	1.16E-07	2.05E-08	1.39E-08	5.32E-07	2.75E-07	1.17E-07	1.37E-07	5.40E-08	2.75E-07	1.17E-07
1927	495161.06	3859301.99	8.68E-04	8.89E-04	8.38E-04	3.00E-07	9.07E-07	5.25E-07	5.38E-07	4.88E-07	2.22E-07	2.10E-07	1.00E-08	2.42E-07	5.35E-08	7.30E-08	1.16E-07	2.04E-08	1.38E-08	5.29E-07	2.74E-07	1.16E-07	1.37E-07	5.37E-08	2.74E-07	1.16E-07
1928	495211.06	3859301.99	8.66E-04	8.87E-04	8.37E-04	3.00E-07	9.06E-07	5.24E-07	5.37E-07	4.87E-07	2.22E-07	2.09E-07	1.00E-08	2.42E-07	5.34E-08	7.29E-08	1.16E-07	2.04E-08	1.38E-08	5.28E-07	2.73E-07	1.16E-07	1.36E-07	5.36E-08	2.73E-07	1.16E-07
1929	495261.06	3859301.99	8.63E-04	8.84E-04	8.34E-04	2.99E-07	9.02E-07	5.22E-07	5.35E-07	4.85E-07	2.21E-07	2.09E-07	9.98E-09	2.41E-07	5.32E-08	7.26E-08	1.15E-07	2.03E-08	1.38E-08	5.26E-07	2.72E-07	1.16E-07	1.36E-07	5.34E-08	2.72E-07	1.16E-07
1930	495311.06	3859301.99	8.55E-04	8.75E-04	8.26E-04	2.96E-07	8.93E-07	5.17E-07	5.30E-07	4.80E-07	2.19E-07	2.07E-07	9.88E-09	2.39E-07	5.27E-08	7.19E-08	1.14E-07	2.01E-08	1.36E-08	5.21E-07	2.70E-07	1.14E-07	1.35E-07	5.29E-08	2.70E-07	1.14E-07
1931	495361.06	3859301.99	8.52E-04	8.72E-04	8.23E-04	2.95E-07	8.90E-07	5.15E-07	5.28E-07	4.78E-07	2.18E-07	2.06E-07	9.84E-09	2.38E-07	5.25E-08	7.17E-08	1.14E-07	2.00E-08	1.36E-08	5.19E-07	2.69E-07	1.14E-07	1.34E-07	5.27E-08	2.69E-07	1.14E-07
1932	495411.06	3859301.99	8.47E-04	8.68E-04	8.18E-04	2.93E-07	8.85E-07	5.13E-07	5.25E-07	4.76E-07	2.17E-07	2.05E-07	9.79E-09	2.37E-07	5.22E-08	7.13E-08	1.13E-07	1.99E-08	1.35E-08	5.16E-07	2.67E-07	1.13E-07	1.33E-07	5.24E-08	2.67E-07	1.13E-07
1933	495461.06	3859301.99	8.43E-04	8.63E-04	8.14E-04	2.92E-07	8.81E-07	5.10E-07	5.22E-07	4.73E-07	2.16E-07	2.04E-07	9.74E-09	2.35E-07	5.19E-08	7.09E-08	1.12E-07	1.98E-08	1.34E-08	5.14E-07	2.66E-07	1.13E-07	1.33E-07	5.22E-08	2.66E-07	1.13E-07
1934	495511.06	3859301.99	8.35E-04	8.56E-04	8.07E-04	2.89E-07	8.73E-07	5.05E-07	5.18E-07	4.69E-07	2.14E-07	2.02E-07	9.66E-09	2.33E-07	5.15E-08	7.03E-08	1.12E-07	1.97E-08	1.33E-08	5.09E-07	2.64E-07	1.12E-07	1.32E-07	5.17E-08	2.64E-07	1.12E-07
1935	495561.06	3859301.99	8.25E-04	8.45E-04	7.97E-04	2.86E-07	8.62E-07	4.99E-07	5.11E-07	4.63E-07	2.11E-07	1.99E-07	9.54E-09	2.30E-07	5.08E-08	6.94E-08	1.10E-07	1.94E-08	1.32E-08	5.03E-07	2.60E-07	1.10E-07	1.30E-07	5.11E-08	2.60E-07	1.10E-07
1936	495611.06	3859301.99	8.19E-04	8.39E-04	7.91E-04	2.84E-07	8.56E-07	4.96E-07	5.08E-07	4.60E-07	2.10E-07	1.98E-07	9.47E-09	2.29E-07	5.05E-08	6.89E-08	1.09E-07	1.93E-08	1.31E-08	4.99E-07	2.59E-07	1.10E-07	1.29E-07	5.07E-08	2.59E-07	1.10E-07
1937	495661.06	3859301.99	8.12E-04	8.31E-04	7.84E-04	2.81E-07	8.48E-07	4.91E-07	5.03E-07	4.56E-07	2.08E-07	1.96E-07	9.38E-09	2.27E-07	5.00E-08	6.83E-08	1.08E-07	1.91E-08	1.29E-08	4.95E-07	2.56E-07	1.09E-07	1.28E-07	5.02E-08	2.56E-07	1.09E-07
1938	494311.06	3859351.99	1.12E-03	1.14E-03	1.08E-03	3.86E-07	1.17E-06	6.75E-07	6.91E-07	6.27E-07	2.86E-07	2.70E-07	1.29E-08	3.12E-07	6.87E-08	9.39E-08	1.49E-07	2.62E-08	1.78E-08	6.80E-07	3.52E-07	1.49E-07	1.76E-07	6.91E-08	3.52E-07	1.49E-07
1939	494361.06	3859351.99	1.10E-03	1.13E-03	1.06E-03	3.81E-07	1.15E-06	6.66E-07	6.82E-07	6.19E-07	2.82E-07	2.66E-07	1.27E-08	3.07E-07	6.78E-08	9.26E-08	1.47E-07	2.59E-08	1.76E-08	6.71E-07	3.47E-07	1.47E-07	1.73E-07	6.81E-08	3.47E-07	1.47E-07
1940	494411.06	3859351.99	1.08E-03	1.11E-03	1.05E-03	3.74E-07	1.13E-06	6.55E-07	6.70E-07	6.08E-07	2.77E-07	2.62E-07	1.25E-08	3.02E-07	6.67E-08	9.10E-08	1.44E-07	2.54E-08	1.73E-08	6.59E-07	3.41E-07	1.45E-07	1.70E-07	6.70E-08	3.41E-07	1.45E-07
1941	494461.06	3859351.99	1.07E-03	1.09E-03	1.03E-03	3.69E-07	1.11E-06	6.45E-07	6.60E-07	5.99E-07	2.73E-07	2.58E-07	1.23E-08	2.98E-07	6.57E-08	8.97E-08	1.42E-07	2.51E-08	1.70E-08	6.49E-07	3.36E-07	1.43E-07	1.68E-07	6.59E-08	3.36E-07	1.43E-07
1942	494511.06	3859351.99	1.05E-03	1.07E-03	1.01E-03	3.63E-07	1.10E-06	6.35E-07	6.50E-07	5.90E-07	2.69E-07	2.54E-07	1.21E-08	2.93E-07	6.47E-08	8.83E-08	1.40E-07	2.47E-08	1.67E-08	6.40E-07	3.31E-07	1.41E-07	1.65E-07	6.49E-08	3.31E-07	1.41E-07
1943	494561.06	3859351.99	1.04E-03	1.06E-03	1.00E-03	3.59E-07	1.08E-06	6.28E-07	6.43E-07	5.83E-07	2.66E-07	2.51E-07	1.20E-08	2.90E-07	6.39E-08	8.73E-08	1.38E-07	2.44E-08	1.65E-08	6.32E-07	3.27E-07	1.39E-07	1.63E-07	6.42E-08	3.27E-07	1.39E-07
1944	494611.06	3859351.99	1.03E-03	1.05E-03	9.91E-04	3.55E-07	1.07E-06	6.21E-07	6.36E-07	5.76E-07	2.63E-07	2.48E-07	1.19E-08	2.86E-07	6.32E-08	8.63E-08	1.37E-07	2.41E-08	1.64E-08	6.25E-07	3.24E-07	1.37E-07	1.62E-07	6.35E-08	3.24E-07	1.37E-07
1945	494661.06	3859351.99	1.01E-03	1.04E-03	9.77E-04	3.50E-07	1.06E-06	6.12E-07	6.27E-07	5.68E-07	2.59E-07	2.44E-07	1.17E-08	2.82E-07	6.23E-08	8.51E-08	1.35E-07	2.38E-08	1.61E-08	6.16E-07	3.19E-07	1.35E-07	1.59E-07	6.26E-08	3.19E-07	1.35E-07
1946	494711.06	3859351.99	9.95E-04	1.02E-03	9.61E-04	3.44E-07	1.04E-06	6.02E-07	6.16E-07	5.59E-07	2.55E-07	2.41E-07	1.15E-08	2.78E-07	6.13E-08	8.37E-08	1.33E-07	2.34E-08	1.59E-08	6.06E-07	3.14E-07	1.33E-07	1.57E-07	6.16E-08	3.14E-07	1.33E-07
1947	494761.06	3859351.99	9.73E-04	9.96E-04	9.40E-04	3.37E-07	1.02E-06	5.88E-07	6.03E-07	5.46E-07	2.49E-07	2.35E-07	1.12E-08	2.72E-07	5.99E-08	8.18E-08	1.30E-07	2.29E-08	1.55E-08	5.93E-07	3.07E-07	1.30E-07	1.53E-07	6.02E-08	3.07E-07	1.30E-07
1948	494811.06	3859351.99	9.52E-04	9.75E-04	9.20E-04	3.30E-07	9.95E-07	5.76E-07	5.90E-07	5.35E-07	2.44E-07	2.30E-07	1.10E-08	2.66E-07	5.87E-08	8.01E-08	1.27E-07	2.24E-08	1.52E-08	5.80E-07	3.00E-07	1.27E-07	1.50E-07	5.89E-08	3.00E-07	1.27E-07
1949	494861.06	3859351.99	9.42E-04	9.64E-04	9.10E-04	3.26E-07	9.84E-07	5.70E-07	5.84E-07	5.29E-07	2.41E-07	2.28E-07	1.09E-08	2.63E-07	5.80E-08	7.92E-08	1.26E-07	2.22E-08	1.50E-08	5.74E-07	2.97E-07	1.26E-07	1.48E-07	5.83E-08	2.97E-07	1.26E-07
1950	494911.06	3859351.99	9.33E-04	9.55E-04	9.01E-04	3.23E-07	9.75E-07	5.64E-07	5.78E-07	5.24E-07	2.39E-07	2.26E-07	1.08E-08	2.60E-07	5.75E-08	7.85E-08	1.25E-07	2.19E-08	1.49E-08	5.68E-07	2.94E-07	1.25E-07	1.47E-07	5.77E-08	2.94E-07	1.25E-07
1951	494961.06	3859351.99	9.21E-04	9.43E-04	8.90E-04	3.19E-07	9.63E-07	5.57E-07	5.71E-07	5.17E-07	2.36E-07	2.23E-07	1.06E-08	2.57E-07	5.67E-08	7.75E-08	1.23E-07	2.17E-08	1.47E-08	5.61E-07	2.91E-07	1.23E-07	1.45E-07	5.70E-08	2.91E-07	1.23E-07
1952	495011.06	3859351.99	9.12E-04	9.34E-04	8.81E-04	3.16E-07	9.53E-07	5.52E-07	5.65E-07	5.12E-07	2.34E-07	2.21E-07	1.05E-08	2.55E-07	5.62E-08	7.67E-08	1.22E-07	2.15E-08	1.45E-08	5.56E-07	2.88E-07	1.22E-07	1.44E-07	5.64E-08	2.88E-07	1.22E-07
1953	495061.06	3859351.99	9.12E-04	9.34E-04	8.81E-04	3.16E-07	9.53E-07	5.52E-07	5.65E-07	5.12E-07	2.34E-07	2.21E-07	1.05E-08	2.55E-07	5.62E-08	7.67E-08	1.22E-07	2.15E-08	1.45E-08	5.56E-07	2.88E-07	1.22E-07	1.44E-07	5.64E-08	2.88E-07	1.22E-07
1954	495111.06	3859351.99	9.02E-04	9.24E-04	8.71E-04	3.12E-07	9.43E-07	5.46E-07	5.59E-07	5.07E-07	2.31E-07	2.18E-07	1.04E-08	2.52E-07	5.56E-08	7.59E-08	1.20E-07	2.12E-08	1.44E-08	5.50E-07	2.85E-07	1.21E-07	1.42E-07	5.58E-08	2.85E-07	1.21E-07
1955	495161.06	3859351.99	8.96E-04	9.18E-04	8.65E-04	3.10E-07	9.36E-07	5.42E-07	5.55E-07	5.03E-07	2.30E-07	2.17E-07	1.04E-08	2.50E-07	5.52E-08	7.54E-08	1.20E-07	2.11E-08	1.43E-08	5.46E-07	2.83E-07	1.20E-07	1.41E-07	5.54E-08	2.83E-07	1.20E-07
1956	495211.06	3859351.99	8.90E-04	9.12E-04	8.60E-04	3.08E-07	9.30E-07	5.38E-07	5.52E-07	5.00E-07	2.28E-07	2.15E-07	1.03E-08	2.48E-07	5.48E-08	7.49E-08	1.19E-07	2.09E-08	1.42E-08	5.42E-07	2.81E-07	1.19E-07	1.40E-07	5.51E-08	2.81E-07	1.19E-07
1957	495261.06	3859351.99	8.86E-04	9.07E-04	8.56E-04	3.07E-07	9.26E-07	5.36E-07	5.49E-07	4.97E-07	2.27E-07	2.14E-07	1.02E-08	2.47E-07	5.46E-08	7.45E-08	1.18E-07	2.08E-08	1.41E-08	5.40E-07	2.79E-07	1.19E-07	1.40E-07	5.48E-08	2.79E-07	1.19E-07
1958	495311.06	3859351.99	8.77E-04	8.98E-04	8.47E-04	3.03E-07	9.16E-07	5.30E-07	5.43E-07	4.92E-07	2.25E-07	2.12E-07	1.01E-08	2.45E-07	5.40E-08	7.38E-08	1.17E-07	2.06E-08	1.40E-08	5.34E-07	2.77E-07	1.17E-07	1.38E-07	5.43E-08	2.77E-07	1.17E-07
1959	495361.06	3859351.99	8.71E-04	8.92E-04	8.41E-04	3.01E-07	9.10E-07	5.27E-07	5.40E-07	4.89E-07	2.23E-07	2.11E-07	1.01E-08	2.43E-07	5.37E-08	7.33E-08	1.16E-07	2.05E-08	1.39E-08	5.31E-07	2.75E-07	1.17E-07	1.37E-07	5.39E-08	2.75E-07	1.17E-07
1960	495411.06	3859351.99	8.66E-04	8.87E-04	8.37E-04	3.00E-07	9.06E-07	5.24E-07	5.37E-07	4.87E-07	2.22E-07	2.09E-07	1.00E-08	2.42E-07	5.34E-08	7.29E-08	1.16E-07	2.04E-08	1.38E-08	5.28E-07	2.73E-07	1.16E-07	1.36E-07	5.36E-08	2.73E-07	1.16E-07
1961	495461.06	3859351.99	8.63E-04	8.84E-04	8.34E-04	2.99E-07	9.02E-07	5.22E-07	5.35E-07	4.85E-07	2.21E-07	2.09E-07	9.98E-09	2.41E-07	5.32E-08	7.26E-08	1.15E-07	2.03E-08	1.38E-08	5.26E-07	2.72E-07	1.16E-07	1.36E-07	5.34E-08	2.72E-07	1.16E-07
1962	495511.06	3859351.99	8.53E-04	8.74E-04	8.24E-04	2.95E-07	8.92E-07	5.16E-07	5.29E-07	4.79E-07	2.19E-07	2.06E-07	9.86E-09	2.38E-07	5.26E-08	7.18E-08	1.14E-07	2.01E-08	1.36E-08	5.20E-07	2.69E-07	1.14E-07	1.34E-07	5.28E-08	2.69E-07	1.14E-07
1963	495561.06	3859351.99	8.46E-04	8.66E-04	8.17E-04	2.93E-07	8.84E-07	5.12E-07	5.24E-07	4.75E-07	2.17E-07	2.04E-07	9.78E-09	2.36E-07	5.21E-08	7.12E-08	1.13E-07	1.99E-08	1.35E-08	5.15E-07	2.67E-07	1.13E-07	1.33E-07	5.23E-08	2.67E-07	1.13E-07
1964	495611.06	3859351.99	8.40E-04	8.60E-04	8.11E-04	2.91E-07	8.78E-07	5.08E-07	5.20E-07	4.72E-07	2.15E-07	2.03E-07	9.71E-09	2.34E-07	5.17E-08	7.07E-08	1.12E-07	1.98E-08	1.34E-08	5.12E-07	2.65E-07	1.12E-07	1.32E-07	5.20E-08	2.65E-07	1.12E-07
1965	495661.06	3859351.99	8.29E-04	8.50E-04	8.01E-04	2.87E-07	8.67E-07	5.02E-07	5.14E-07	4.66E-07	2.13E-07	2.01E-07	9.59E-09	2.32E-07	5.11E-08	6.98E-08	1.11E-07	1.95E-08	1.32E-08	5.06E-07	2.62E-07	1.11E-07	1.31E-07	5.13E-08	2.62E-07	1.11E-07
1966	494311.06	3859401.99	1.15E-03	1.17E-03	1.11E-03	3.96E-07	1.20E-06	6.93E-07	7.10E-07	6.43E-07	2.94E-07	2.77E-07	1.32E-08	3.20E-07	7.06E-08	9.64E-08	1.53E-07	2.69E-08	1.83E-08	6.98E-07	3.61E-07	1.53E-07	1.80E-07	7.09E-08	3.61E-07	1.53E-07
1967	494361.06	3859401.99	1.12E-03	1.15E-03	1.09E-03	3.89E-07	1.18E-06	6.80E-07	6.97E-07	6.32E-07	2.88E-07	2.72E-07	1.30E-08	3.14E-07	6.93E-08	9.46E-08	1.50E-07	2.65E-08	1.79E-08	6.85E-07	3.55E-07	1.51E-07	1.77E-07	6.96E-08	3.55E-07	1.51E-07
1968	494411.06	3859401.99	1.11E-03	1.13E-03	1.07E-03	3.83E-07	1.16E-06	6.69E-07	6.85E-07	6.21E-07	2.83E-07	2.67E-07	1.28E-08	3.09E-07	6.81E-08	9.30E-08	1.48E-07	2.60E-08	1.76E-08	6.74E-07	3.49E-07	1.48E-07	1.74E-07	6.84E-08	3.49E-07	1.48E-07
1969	494461.06	3859401.99	1.09E-03	1.12E-03	1.05E-03	3.77E-07	1.14E-06	6.59E-07	6.75E-07	6.12E-07	2.79E-07	2.63E-07	1.26E-08	3.04E-07	6.71E-08	9.16E-08	1.45E-07	2.56E-08	1.74E-08	6.64E-07	3.44E-07	1.46E-07	1.72E-07	6.74E-08	3.44E-07	1.46E-07
1970	494511.06	3859401.99	1.08E-03	1.10E-03	1.04E-03	3.73E-07	1.13E-06	6.52E-07	6.68E-07	6.05E-07	2.76E-07	2.61E-07	1.25E-08	3.01E-07	6.64E-08	9.07E-08	1.44E-07	2.53E-08	1.72E-08	6.57E-07	3.40E-07	1.44E-07	1.70E-07	6.67E-08	3.40E-07	1.44E-07
1971	494561.06	3859401.99	1.07E-03	1.09E-03	1.03E-03	3.69E-07	1.11E-06	6.45E-07	6.60E-07	5.99E-07	2.73E-07	2.58E-07	1.23E-08	2.98E-07	6.57E-08	8.97E-08	1.42E-07	2.51E-08	1.70E-08	6.49E-07	3.36E-07	1.43E-07	1.68E-07	6.59E-08	3.36E-07	1.43E-07
1972	494611.06	3859401.99	1.05E-03	1.07E-03	1.01E-03	3.63E-07	1.10E-06	6.35E-07	6.50E-07	5.90E-07	2.69E-07	2.54E-07	1.21E-08	2.93E-07	6.47E-08	8.83E-08	1.40E-07	2.47E-08	1.67E-08	6.40E-07	3.31E-07	1.41E-07	1.65E-07	6.49E-08	3.31E-07	1.41E-07
1973	494661.06	3859401.99	1.04E-03	1.06E-03	1.00E-03	3.60E-07	1.09E-06	6.29E-07	6.44E-07	5.84E-07	2.66E-07	2.51E-07	1.20E-08	2.90E-07	6.40E-08	8.74E-08	1.39E-07	2.44E-08	1.66E-08	6.33E-07	3.28E-07	1.39E-07	1.64E-07	6.43E-08	3.28E-07	1.39E-07
1974	494711.06	3859401.99	1.02E-03	1.05E-03	9.90E-04	3.55E-07	1.07E-06	6.20E-07	6.35E-07	5.75E-07	2.63E-07	2.48E-07	1.18E-08	2.86E-07	6.31E-08	8.62E-08	1.37E-07	2.41E-08	1.63E-08	6.24E-07	3.23E-07	1.37E-07	1.61E-07	6.34E-08	3.23E-07	1.37E-07
1975	494761.06	3859401.99	9.99E-04	1.02E-03	9.65E-04	3.46E-07	1.04E-06	6.05E-07	6.19E-07	5.61E-07	2.56E-07	2.42E-07	1.15E-08	2.79E-07	6.16E-08	8.41E-08	1.33E-07	2.35E-08	1.59E-08	6.09E-07	3.15E-07	1.34E-07	1.57E-07	6.18E-08	3.15E-07	1.34E-07
1976	494811.06	3859401.99	9.86E-04	1.01E-03	9.52E-04	3.41E-07	1.03E-06	5.97E-07	6.11E-07	5.54E-07	2.53E-07	2.38E-07	1.14E-08	2.75E-07	6.07E-08	8.30E-08	1.32E-07	2.32E-08	1.57E-08	6.01E-07	3.11E-07	1.32E-07	1.55E-07	6.10E-08	3.11E-07	1.32E-07
1977	494861.06	3859401.99	9.67E-04	9.90E-04	9.34E-04	3.35E-07	1.01E-06	5.85E-07	5.99E-07	5.43E-07	2.48E-07	2.34E-07	1.12E-08	2.70E-07	5.96E-08	8.13E-08	1.29E-07	2.27E-08	1.54E-08	5.89E-07	3.05E-07	1.29E-07	1.52E-07	5.98E-08	3.05E-07	1.29E-07
1978	494911.06	3859401.99	9.52E-04	9.75E-04	9.20E-04	3.30E-07	9.95E-07	5.76E-07	5.90E-07	5.35E-07	2.44E-07	2.30E-07	1.10E-08	2.66E-07	5.87E-08	8.01E-08	1.27E-07	2.24E-08	1.52E-08	5.80E-07	3.00E-07	1.27E-07	1.50E-07	5.89E-08	3.00E-07	1.27E-07
1979	494961.06	3859401.99	9.46E-04	9.69E-04	9.14E-04	3.27E-07	9.89E-07	5.72E-07	5.86E-07	5.31E-07	2.43E-07	2.29E-07	1.09E-08	2.64E-07	5.83E-08	7.96E-08	1.26E-07	2.23E-08	1.51E-08	5.77E-07	2.99E-07	1.27E-07	1.49E-07	5.85E-08	2.99E-07	1.27E-07
1980	495011.06	3859401.99	9.39E-04	9.61E-04	9.07E-04	3.25E-07	9.81E-07	5.68E-07	5.82E-07	5.27E-07	2.41E-07	2.27E-07	1.09E-08	2.62E-07	5.78E-08	7.90E-08	1.25E-07	2.21E-08	1.50E-08	5.72E-07	2.96E-07	1.26E-07	1.48E-07	5.81E-08	2.96E-07	1.26E-07
1981	495061.06	3859401.99	9.30E-04	9.52E-04	8.98E-04	3.22E-07	9.72E-07	5.63E-07	5.76E-07	5.22E-07	2.38E-07	2.25E-07	1.07E-08	2.60E-07	5.73E-08	7.82E-08	1.24E-07	2.19E-08	1.48E-08	5.67E-07	2.93E-07	1.25E-07	1.46E-07	5.75E-08	2.93E-07	1.25E-07
1982	495111.06	3859401.99	9.19E-04	9.42E-04	8.88E-04	3.18E-07	9.61E-07	5.56E-07	5.70E-07	5.17E-07	2.36E-07	2.22E-07	1.06E-08	2.57E-07	5.67E-08	7.74E-08	1.23E-07	2.16E-08	1.47E-08	5.60E-07	2.90E-07	1.23E-07	1.45E-07	5.69E-08	2.90E-07	1.23E-07
1983	495161.06	3859401.99	9.17E-04	9.39E-04	8.85E-04	3.17E-07	9.58E-07	5.55E-07	5.68E-07	5.15E-07	2.35E-07	2.22E-07	1.06E-08	2.56E-07	5.65E-08	7.71E-08	1.22E-07	2.16E-08	1.46E-08	5.59E-07	2.89E-07	1.23E-07	1.44E-07	5.67E-08	2.89E-07	1.23E-07
1984	495211.06	3859401.99	9.14E-04	9.36E-04	8.83E-04	3.16E-07	9.55E-07	5.53E-07	5.66E-07	5.13E-07	2.34E-07	2.21E-07	1.06E-08	2.55E-07	5.63E-08	7.69E-08	1.22E-07	2.15E-08	1.46E-08	5.57E-07	2.88E-07	1.22E-07	1.44E-07	5.65E-08	2.88E-07	1.22E-07
1985	495261.06	3859401.99	9.06E-04	9.28E-04	8.75E-04	3.14E-07	9.47E-07	5.48E-07	5.62E-07	5.09E-07	2.32E-07	2.19E-07	1.05E-08	2.53E-07	5.58E-08	7.62E-08	1.21E-07	2.13E-08	1.45E-08	5.52E-07	2.86E-07	1.21E-07	1.43E-07	5.61E-08	2.86E-07	1.21E-07
1986	495311.06	3859401.99	8.99E-04	9.21E-04	8.68E-04	3.11E-07	9.39E-07	5.44E-07	5.57E-07	5.05E-07	2.30E-07	2.17E-07	1.04E-08	2.51E-07	5.54E-08	7.56E-08	1.20E-07	2.11E-08	1.43E-08	5.48E-07	2.84E-07	1.20E-07	1.42E-07	5.56E-08	2.84E-07	1.20E-07
1987	495361.06	3859401.99	8.96E-04	9.18E-04	8.65E-04	3.10E-07	9.36E-07	5.42E-07	5.55E-07	5.03E-07	2.30E-07	2.17E-07	1.04E-08	2.50E-07	5.52E-08	7.54E-08	1.20E-07	2.11E-08	1.43E-08	5.46E-07	2.83E-07	1.20E-07	1.41E-07	5.54E-08	2.83E-07	1.20E-07
1988	495411.06	3859401.99	8.91E-04	9.13E-04	8.61E-04	3.09E-07	9.32E-07	5.39E-07	5.52E-07	5.01E-07	2.29E-07	2.16E-07	1.03E-08	2.49E-07	5.49E-08	7.50E-08	1.19E-07	2.10E-08	1.42E-08	5.43E-07	2.81E-07	1.19E-07	1.40E-07	5.52E-08	2.81E-07	1.19E-07
1989	495461.06	3859401.99	8.83E-04	9.04E-04	8.53E-04	3.06E-07	9.22E-07	5.34E-07	5.47E-07	4.96E-07	2.26E-07	2.13E-07	1.02E-08	2.46E-07	5.44E-08	7.43E-08	1.18E-07	2.08E-08	1.41E-08	5.38E-07	2.79E-07	1.18E-07	1.39E-07	5.46E-08	2.79E-07	1.18E-07
1990	495511.06	3859401.99	8.72E-04	8.93E-04	8.43E-04	3.02E-07	9.12E-07	5.28E-07	5.41E-07	4.90E-07	2.24E-07	2.11E-07	1.01E-08	2.44E-07	5.37E-08	7.34E-08	1.16E-07	2.05E-08	1.39E-08	5.32E-07	2.75E-07	1.17E-07	1.37E-07	5.40E-08	2.75E-07	1.17E-07
1991	495561.06	3859401.99	8.62E-04	8.83E-04	8.33E-04	2.98E-07	9.01E-07	5.22E-07	5.34E-07	4.84E-07	2.21E-07	2.08E-07	9.96E-09	2.41E-07	5.31E-08	7.25E-08	1.15E-07	2.03E-08	1.37E-08	5.25E-07	2.72E-07	1.15E-07	1.36E-07	5.33E-08	2.72E-07	1.15E-07
1992	495611.06	3859401.99	8.55E-04	8.75E-04	8.26E-04	2.96E-07	8.93E-07	5.17E-07	5.30E-07	4.80E-07	2.19E-07	2.07E-07	9.88E-09	2.39E-07	5.27E-08	7.19E-08	1.14E-07	2.01E-08	1.36E-08	5.21E-07	2.70E-07	1.14E-07	1.35E-07	5.29E-08	2.70E-07	1.14E-07
1993	495661.06	3859401.99	8.49E-04	8.69E-04	8.20E-04	2.94E-07	8.87E-07	5.13E-07	5.26E-07	4.77E-07	2.18E-07	2.05E-07	9.81E-09	2.37E-07	5.23E-08	7.14E-08	1.13E-07	2.00E-08	1.35E-08	5.17E-07	2.68E-07	1.14E-07	1.34E-07	5.25E-08	2.68E-07	1.14E-07
1994	494311.06	3859451.99	1.17E-03	1.20E-03	1.13E-03	4.05E-07	1.22E-06	7.07E-07	7.24E-07	6.57E-07	3.00E-07	2.83E-07	1.35E-08	3.26E-07	7.20E-08	9.84E-08	1.56E-07	2.75E-08	1.86E-08	7.12E-07	3.69E-07	1.57E-07	1.84E-07	7.23E-08	3.69E-07	1.57E-07
1995	494361.06	3859451.99	1.15E-03	1.18E-03	1.11E-03	3.98E-07	1.20E-06	6.96E-07	7.13E-07	6.46E-07	2.95E-07	2.78E-07	1.33E-08	3.21E-07	7.08E-08	9.67E-08	1.53E-07	2.70E-08	1.83E-08	7.01E-07	3.63E-07	1.54E-07	1.81E-07	7.12E-08	3.63E-07	1.54E-07

1996	494411.06	3859451.99	1.12E-03	1.15E-03	1.09E-03	3.89E-07	1.18E-06	6.80E-07	6.97E-07	6.32E-07	2.88E-07	2.72E-07	1.30E-08	3.14E-07	6.93E-08	9.46E-08	1.50E-07	2.65E-08	1.79E-08	6.85E-07	3.55E-07	1.51E-07	1.77E-07	6.96E-08	3.55E-07	1.51E-07
1997	494461.06	3859451.99	1.11E-03	1.14E-03	1.08E-03	3.86E-07	1.16E-06	6.74E-07	6.91E-07	6.26E-07	2.86E-07	2.69E-07	1.29E-08	3.11E-07	6.87E-08	9.38E-08	1.49E-07	2.62E-08	1.78E-08	6.79E-07	3.52E-07	1.49E-07	1.76E-07	6.90E-08	3.52E-07	1.49E-07
1998	494511.06	3859451.99	1.10E-03	1.12E-03	1.06E-03	3.80E-07	1.15E-06	6.64E-07	6.80E-07	6.17E-07	2.81E-07	2.65E-07	1.27E-08	3.07E-07	6.77E-08	9.24E-08	1.47E-07	2.58E-08	1.75E-08	6.69E-07	3.47E-07	1.47E-07	1.73E-07	6.80E-08	3.47E-07	1.47E-07
1999	494561.06	3859451.99	1.09E-03	1.11E-03	1.05E-03	3.76E-07	1.14E-06	6.57E-07	6.73E-07	6.10E-07	2.78E-07	2.63E-07	1.26E-08	3.03E-07	6.69E-08	9.14E-08	1.45E-07	2.56E-08	1.73E-08	6.62E-07	3.43E-07	1.45E-07	1.71E-07	6.72E-08	3.43E-07	1.45E-07
2000	494611.06	3859451.99	1.08E-03	1.10E-03	1.04E-03	3.73E-07	1.13E-06	6.52E-07	6.68E-07	6.05E-07	2.76E-07	2.61E-07	1.25E-08	3.01E-07	6.64E-08	9.07E-08	1.44E-07	2.53E-08	1.72E-08	6.57E-07	3.40E-07	1.44E-07	1.70E-07	6.67E-08	3.40E-07	1.44E-07
2001	494661.06	3859451.99	1.06E-03	1.09E-03	1.03E-03	3.67E-07	1.11E-06	6.42E-07	6.58E-07	5.96E-07	2.72E-07	2.57E-07	1.23E-08	2.96E-07	6.54E-08	8.93E-08	1.42E-07	2.50E-08	1.69E-08	6.47E-07	3.35E-07	1.42E-07	1.67E-07	6.57E-08	3.35E-07	1.42E-07
2002	494711.06	3859451.99	1.05E-03	1.07E-03	1.01E-03	3.62E-07	1.09E-06	6.33E-07	6.48E-07	5.88E-07	2.68E-07	2.53E-07	1.21E-08	2.92E-07	6.45E-08	8.80E-08	1.40E-07	2.46E-08	1.67E-08	6.38E-07	3.30E-07	1.40E-07	1.65E-07	6.48E-08	3.30E-07	1.40E-07
2003	494761.06	3859451.99	1.03E-03	1.06E-03	9.98E-04	3.58E-07	1.08E-06	6.25E-07	6.40E-07	5.80E-07	2.65E-07	2.50E-07	1.19E-08	2.88E-07	6.37E-08	8.69E-08	1.38E-07	2.43E-08	1.65E-08	6.30E-07	3.26E-07	1.38E-07	1.63E-07	6.39E-08	3.26E-07	1.38E-07
2004	494811.06	3859451.99	1.01E-03	1.04E-03	9.80E-04	3.51E-07	1.06E-06	6.13E-07	6.28E-07	5.70E-07	2.60E-07	2.45E-07	1.17E-08	2.83E-07	6.25E-08	8.53E-08	1.35E-07	2.39E-08	1.62E-08	6.18E-07	3.20E-07	1.36E-07	1.60E-07	6.28E-08	3.20E-07	1.36E-07
2005	494861.06	3859451.99	9.98E-04	1.02E-03	9.64E-04	3.45E-07	1.04E-06	6.04E-07	6.18E-07	5.60E-07	2.56E-07	2.41E-07	1.15E-08	2.79E-07	6.15E-08	8.39E-08	1.33E-07	2.35E-08	1.59E-08	6.08E-07	3.15E-07	1.34E-07	1.57E-07	6.17E-08	3.15E-07	1.34E-07
2006	494911.06	3859451.99	9.84E-04	1.01E-03	9.51E-04	3.41E-07	1.03E-06	5.96E-07	6.10E-07	5.53E-07	2.52E-07	2.38E-07	1.14E-08	2.75E-07	6.07E-08	8.28E-08	1.31E-07	2.32E-08	1.57E-08	6.00E-07	3.11E-07	1.32E-07	1.55E-07	6.09E-08	3.11E-07	1.32E-07
2007	494961.06	3859451.99	9.77E-04	1.00E-03	9.44E-04	3.38E-07	1.02E-06	5.91E-07	6.05E-07	5.49E-07	2.50E-07	2.36E-07	1.13E-08	2.73E-07	6.02E-08	8.22E-08	1.30E-07	2.30E-08	1.56E-08	5.95E-07	3.08E-07	1.31E-07	1.54E-07	6.05E-08	3.08E-07	1.31E-07
2008	495011.06	3859451.99	9.67E-04	9.90E-04	9.34E-04	3.35E-07	1.01E-06	5.85E-07	5.99E-07	5.43E-07	2.48E-07	2.34E-07	1.12E-08	2.70E-07	5.96E-08	8.13E-08	1.29E-07	2.27E-08	1.54E-08	5.89E-07	3.05E-07	1.29E-07	1.52E-07	5.98E-08	3.05E-07	1.29E-07
2009	495061.06	3859451.99	9.58E-04	9.81E-04	9.25E-04	3.32E-07	1.00E-06	5.80E-07	5.94E-07	5.38E-07	2.46E-07	2.32E-07	1.11E-08	2.67E-07	5.90E-08	8.06E-08	1.28E-07	2.25E-08	1.53E-08	5.84E-07	3.02E-07	1.28E-07	1.51E-07	5.93E-08	3.02E-07	1.28E-07
2010	495111.06	3859451.99	9.48E-04	9.70E-04	9.15E-04	3.28E-07	9.90E-07	5.73E-07	5.87E-07	5.32E-07	2.43E-07	2.29E-07	1.10E-08	2.65E-07	5.84E-08	7.97E-08	1.26E-07	2.23E-08	1.51E-08	5.77E-07	2.99E-07	1.27E-07	1.49E-07	5.86E-08	2.99E-07	1.27E-07
2011	495161.06	3859451.99	9.42E-04	9.64E-04	9.10E-04	3.26E-07	9.84E-07	5.70E-07	5.84E-07	5.29E-07	2.41E-07	2.28E-07	1.09E-08	2.63E-07	5.80E-08	7.92E-08	1.26E-07	2.22E-08	1.50E-08	5.74E-07	2.97E-07	1.26E-07	1.48E-07	5.83E-08	2.97E-07	1.26E-07
2012	495211.06	3859451.99	9.37E-04	9.60E-04	9.05E-04	3.24E-07	9.80E-07	5.67E-07	5.81E-07	5.26E-07	2.40E-07	2.27E-07	1.08E-08	2.62E-07	5.77E-08	7.89E-08	1.25E-07	2.20E-08	1.49E-08	5.71E-07	2.96E-07	1.25E-07	1.48E-07	5.80E-08	2.96E-07	1.25E-07
2013	495261.06	3859451.99	9.31E-04	9.54E-04	9.00E-04	3.22E-07	9.73E-07	5.63E-07	5.77E-07	5.23E-07	2.39E-07	2.25E-07	1.08E-08	2.60E-07	5.74E-08	7.84E-08	1.24E-07	2.19E-08	1.49E-08	5.68E-07	2.94E-07	1.25E-07	1.47E-07	5.76E-08	2.94E-07	1.25E-07
2014	495311.06	3859451.99	9.24E-04	9.46E-04	8.93E-04	3.20E-07	9.66E-07	5.59E-07	5.73E-07	5.19E-07	2.37E-07	2.23E-07	1.07E-08	2.58E-07	5.69E-08	7.77E-08	1.23E-07	2.17E-08	1.47E-08	5.63E-07	2.92E-07	1.24E-07	1.46E-07	5.72E-08	2.92E-07	1.24E-07
2015	495361.06	3859451.99	9.18E-04	9.40E-04	8.87E-04	3.18E-07	9.59E-07	5.55E-07	5.69E-07	5.16E-07	2.35E-07	2.22E-07	1.06E-08	2.56E-07	5.66E-08	7.72E-08	1.23E-07	2.16E-08	1.46E-08	5.60E-07	2.90E-07	1.23E-07	1.45E-07	5.68E-08	2.90E-07	1.23E-07
2016	495411.06	3859451.99	9.11E-04	9.33E-04	8.80E-04	3.15E-07	9.52E-07	5.51E-07	5.64E-07	5.12E-07	2.33E-07	2.20E-07	1.05E-08	2.54E-07	5.61E-08	7.66E-08	1.22E-07	2.14E-08	1.45E-08	5.55E-07	2.87E-07	1.22E-07	1.43E-07	5.64E-08	2.87E-07	1.22E-07
2017	495461.06	3859451.99	9.03E-04	9.25E-04	8.73E-04	3.13E-07	9.44E-07	5.47E-07	5.60E-07	5.07E-07	2.32E-07	2.18E-07	1.04E-08	2.52E-07	5.57E-08	7.60E-08	1.21E-07	2.12E-08	1.44E-08	5.51E-07	2.85E-07	1.21E-07	1.42E-07	5.59E-08	2.85E-07	1.21E-07
2018	495511.06	3859451.99	8.91E-04	9.13E-04	8.61E-04	3.09E-07	9.32E-07	5.39E-07	5.52E-07	5.01E-07	2.29E-07	2.16E-07	1.03E-08	2.49E-07	5.49E-08	7.50E-08	1.19E-07	2.10E-08	1.42E-08	5.43E-07	2.81E-07	1.19E-07	1.40E-07	5.52E-08	2.81E-07	1.19E-07
2019	495561.06	3859451.99	8.84E-04	9.05E-04	8.54E-04	3.06E-07	9.24E-07	5.35E-07	5.48E-07	4.97E-07	2.27E-07	2.14E-07	1.02E-08	2.47E-07	5.45E-08	7.44E-08	1.18E-07	2.08E-08	1.41E-08	5.39E-07	2.79E-07	1.18E-07	1.39E-07	5.47E-08	2.79E-07	1.18E-07
2020	495611.06	3859451.99	8.75E-04	8.96E-04	8.46E-04	3.03E-07	9.15E-07	5.30E-07	5.42E-07	4.92E-07	2.24E-07	2.12E-07	1.01E-08	2.44E-07	5.39E-08	7.36E-08	1.17E-07	2.06E-08	1.40E-08	5.33E-07	2.76E-07	1.17E-07	1.38E-07	5.42E-08	2.76E-07	1.17E-07
2021	495661.06	3859451.99	8.69E-04	8.90E-04	8.40E-04	3.01E-07	9.09E-07	5.26E-07	5.39E-07	4.88E-07	2.23E-07	2.10E-07	1.00E-08	2.43E-07	5.36E-08	7.31E-08	1.16E-07	2.04E-08	1.39E-08	5.30E-07	2.74E-07	1.16E-07	1.37E-07	5.38E-08	2.74E-07	1.16E-07
2022	494311.06	3859501.99	1.20E-03	1.22E-03	1.15E-03	4.14E-07	1.25E-06	7.23E-07	7.41E-07	6.72E-07	3.06E-07	2.89E-07	1.38E-08	3.34E-07	7.37E-08	1.01E-07	1.60E-07	2.81E-08	1.91E-08	7.29E-07	3.77E-07	1.60E-07	1.88E-07	7.40E-08	3.77E-07	1.60E-07
2023	494361.06	3859501.99	1.18E-03	1.20E-03	1.14E-03	4.07E-07	1.23E-06	7.12E-07	7.29E-07	6.61E-07	3.02E-07	2.84E-07	1.36E-08	3.28E-07	7.25E-08	9.90E-08	1.57E-07	2.77E-08	1.88E-08	7.17E-07	3.71E-07	1.58E-07	1.85E-07	7.28E-08	3.71E-07	1.58E-07
2024	494411.06	3859501.99	1.14E-03	1.17E-03	1.11E-03	3.96E-07	1.20E-06	6.92E-07	7.09E-07	6.43E-07	2.93E-07	2.77E-07	1.32E-08	3.19E-07	7.05E-08	9.62E-08	1.53E-07	2.69E-08	1.82E-08	6.97E-07	3.61E-07	1.53E-07	1.80E-07	7.08E-08	3.61E-07	1.53E-07
2025	494461.06	3859501.99	1.14E-03	1.17E-03	1.10E-03	3.95E-07	1.19E-06	6.90E-07	7.07E-07	6.41E-07	2.92E-07	2.76E-07	1.32E-08	3.19E-07	7.03E-08	9.60E-08	1.52E-07	2.68E-08	1.82E-08	6.95E-07	3.60E-07	1.53E-07	1.80E-07	7.06E-08	3.60E-07	1.53E-07
2026	494511.06	3859501.99	1.12E-03	1.15E-03	1.09E-03	3.89E-07	1.17E-06	6.80E-07	6.96E-07	6.31E-07	2.88E-07	2.72E-07	1.30E-08	3.14E-07	6.92E-08	9.45E-08	1.50E-07	2.64E-08	1.79E-08	6.85E-07	3.54E-07	1.50E-07	1.77E-07	6.95E-08	3.54E-07	1.50E-07
2027	494561.06	3859501.99	1.11E-03	1.14E-03	1.07E-03	3.84E-07	1.16E-06	6.71E-07	6.87E-07	6.23E-07	2.84E-07	2.68E-07	1.28E-08	3.09E-07	6.83E-08	9.33E-08	1.48E-07	2.61E-08	1.77E-08	6.76E-07	3.50E-07	1.48E-07	1.75E-07	6.86E-08	3.50E-07	1.48E-07
2028	494611.06	3859501.99	1.11E-03	1.13E-03	1.07E-03	3.83E-07	1.16E-06	6.69E-07	6.85E-07	6.21E-07	2.83E-07	2.67E-07	1.28E-08	3.09E-07	6.81E-08	9.30E-08	1.48E-07	2.60E-08	1.76E-08	6.74E-07	3.49E-07	1.48E-07	1.74E-07	6.84E-08	3.49E-07	1.48E-07
2029	494661.06	3859501.99	1.09E-03	1.11E-03	1.05E-03	3.77E-07	1.14E-06	6.58E-07	6.74E-07	6.11E-07	2.79E-07	2.63E-07	1.26E-08	3.04E-07	6.70E-08	9.15E-08	1.45E-07	2.56E-08	1.73E-08	6.63E-07	3.43E-07	1.46E-07	1.71E-07	6.73E-08	3.43E-07	1.46E-07
2030	494711.06	3859501.99	1.07E-03	1.09E-03	1.03E-03	3.69E-07	1.11E-06	6.45E-07	6.60E-07	5.99E-07	2.73E-07	2.58E-07	1.23E-08	2.98E-07	6.57E-08	8.97E-08	1.42E-07	2.51E-08	1.70E-08	6.49E-07	3.36E-07	1.43E-07	1.68E-07	6.59E-08	3.36E-07	1.43E-07
2031	494761.06	3859501.99	1.06E-03	1.09E-03	1.02E-03	3.67E-07	1.11E-06	6.41E-07	6.57E-07	5.95E-07	2.72E-07	2.56E-07	1.22E-08	2.96E-07	6.53E-08	8.92E-08	1.41E-07	2.49E-08	1.69E-08	6.46E-07	3.34E-07	1.42E-07	1.67E-07	6.56E-08	3.34E-07	1.42E-07
2032	494811.06	3859501.99	1.03E-03	1.06E-03	1.00E-03	3.58E-07	1.08E-06	6.26E-07	6.41E-07	5.81E-07	2.65E-07	2.50E-07	1.20E-08	2.89E-07	6.37E-08	8.71E-08	1.38E-07	2.43E-08	1.65E-08	6.31E-07	3.27E-07	1.39E-07	1.63E-07	6.40E-08	3.27E-07	1.39E-07
2033	494861.06	3859501.99	1.02E-03	1.05E-03	9.88E-04	3.54E-07	1.07E-06	6.19E-07	6.34E-07	5.75E-07	2.62E-07	2.47E-07	1.18E-08	2.86E-07	6.30E-08	8.61E-08	1.37E-07	2.41E-08	1.63E-08	6.23E-07	3.23E-07	1.37E-07	1.61E-07	6.33E-08	3.23E-07	1.37E-07
2034	494911.06	3859501.99	1.01E-03	1.04E-03	9.80E-04	3.51E-07	1.06E-06	6.13E-07	6.28E-07	5.70E-07	2.60E-07	2.45E-07	1.17E-08	2.83E-07	6.25E-08	8.53E-08	1.35E-07	2.39E-08	1.62E-08	6.18E-07	3.20E-07	1.36E-07	1.60E-07	6.28E-08	3.20E-07	1.36E-07
2035	494961.06	3859501.99	1.00E-03	1.02E-03	9.67E-04	3.46E-07	1.05E-06	6.05E-07	6.20E-07	5.62E-07	2.57E-07	2.42E-07	1.16E-08	2.79E-07	6.17E-08	8.42E-08	1.34E-07	2.35E-08	1.60E-08	6.10E-07	3.16E-07	1.34E-07	1.58E-07	6.19E-08	3.16E-07	1.34E-07
2036	495011.06	3859501.99	9.93E-04	1.02E-03	9.60E-04	3.44E-07	1.04E-06	6.01E-07	6.16E-07	5.58E-07	2.55E-07	2.40E-07	1.15E-08	2.77E-07	6.12E-08	8.36E-08	1.33E-07	2.34E-08	1.58E-08	6.05E-07	3.13E-07	1.33E-07	1.56E-07	6.15E-08	3.13E-07	1.33E-07
2037	495061.06	3859501.99	9.86E-04	1.01E-03	9.52E-04	3.41E-07	1.03E-06	5.97E-07	6.11E-07	5.54E-07	2.53E-07	2.38E-07	1.14E-08	2.75E-07	6.07E-08	8.30E-08	1.32E-07	2.32E-08	1.57E-08	6.01E-07	3.11E-07	1.32E-07	1.55E-07	6.10E-08	3.11E-07	1.32E-07
2038	495111.06	3859501.99	9.73E-04	9.96E-04	9.40E-04	3.37E-07	1.02E-06	5.88E-07	6.03E-07	5.46E-07	2.49E-07	2.35E-07	1.12E-08	2.72E-07	5.99E-08	8.18E-08	1.30E-07	2.29E-08	1.55E-08	5.93E-07	3.07E-07	1.30E-07	1.53E-07	6.02E-08	3.07E-07	1.30E-07
2039	495161.06	3859501.99	9.65E-04	9.89E-04	9.33E-04	3.34E-07	1.01E-06	5.84E-07	5.98E-07	5.42E-07	2.47E-07	2.33E-07	1.12E-08	2.70E-07	5.95E-08	8.12E-08	1.29E-07	2.27E-08	1.54E-08	5.88E-07	3.05E-07	1.29E-07	1.52E-07	5.97E-08	3.05E-07	1.29E-07
2040	495211.06	3859501.99	9.61E-04	9.84E-04	9.28E-04	3.33E-07	1.00E-06	5.81E-07	5.95E-07	5.40E-07	2.46E-07	2.32E-07	1.11E-08	2.68E-07	5.92E-08	8.08E-08	1.28E-07	2.26E-08	1.53E-08	5.86E-07	3.03E-07	1.29E-07	1.51E-07	5.95E-08	3.03E-07	1.29E-07
2041	495261.06	3859501.99	9.55E-04	9.78E-04	9.23E-04	3.31E-07	9.98E-07	5.78E-07	5.92E-07	5.36E-07	2.45E-07	2.31E-07	1.10E-08	2.67E-07	5.88E-08	8.03E-08	1.27E-07	2.25E-08	1.52E-08	5.82E-07	3.01E-07	1.28E-07	1.50E-07	5.91E-08	3.01E-07	1.28E-07
2042	495311.06	3859501.99	9.49E-04	9.72E-04	9.17E-04	3.29E-07	9.92E-07	5.74E-07	5.88E-07	5.33E-07	2.43E-07	2.29E-07	1.10E-08	2.65E-07	5.85E-08	7.98E-08	1.27E-07	2.23E-08	1.51E-08	5.78E-07	3.00E-07	1.27E-07	1.49E-07	5.87E-08	3.00E-07	1.27E-07
2043	495361.06	3859501.99	9.40E-04	9.63E-04	9.08E-04	3.25E-07	9.83E-07	5.69E-07	5.83E-07	5.28E-07	2.41E-07	2.27E-07	1.09E-08	2.63E-07	5.79E-08	7.91E-08	1.25E-07	2.21E-08	1.50E-08	5.73E-07	2.97E-07	1.26E-07	1.48E-07	5.82E-08	2.97E-07	1.26E-07
2044	495411.06	3859501.99	9.34E-04	9.57E-04	9.03E-04	3.23E-07	9.76E-07	5.65E-07	5.79E-07	5.25E-07	2.39E-07	2.26E-07	1.08E-08	2.61E-07	5.76E-08	7.86E-08	1.25E-07	2.20E-08	1.49E-08	5.69E-07	2.95E-07	1.25E-07	1.47E-07	5.78E-08	2.95E-07	1.25E-07
2045	495461.06	3859501.99	9.25E-04	9.48E-04	8.94E-04	3.20E-07	9.67E-07	5.60E-07	5.73E-07	5.20E-07	2.37E-07	2.24E-07	1.07E-08	2.58E-07	5.70E-08	7.79E-08	1.24E-07	2.18E-08	1.48E-08	5.64E-07	2.92E-07	1.24E-07	1.46E-07	5.73E-08	2.92E-07	1.24E-07
2046	495511.06	3859501.99	9.09E-04	9.31E-04	8.78E-04	3.15E-07	9.50E-07	5.50E-07	5.63E-07	5.11E-07	2.33E-07	2.20E-07	1.05E-08	2.54E-07	5.60E-08	7.65E-08	1.21E-07	2.14E-08	1.45E-08	5.54E-07	2.87E-07	1.22E-07	1.43E-07	5.63E-08	2.87E-07	1.22E-07
2047	495561.06	3859501.99	9.06E-04	9.28E-04	8.75E-04	3.14E-07	9.47E-07	5.48E-07	5.62E-07	5.09E-07	2.32E-07	2.19E-07	1.05E-08	2.53E-07	5.58E-08	7.62E-08	1.21E-07	2.13E-08	1.45E-08	5.52E-07	2.86E-07	1.21E-07	1.43E-07	5.61E-08	2.86E-07	1.21E-07
2048	495611.06	3859501.99	8.97E-04	9.19E-04	8.67E-04	3.11E-07	9.38E-07	5.43E-07	5.56E-07	5.04E-07	2.30E-07	2.17E-07	1.04E-08	2.51E-07	5.53E-08	7.55E-08	1.20E-07	2.11E-08	1.43E-08	5.47E-07	2.83E-07	1.20E-07	1.41E-07	5.55E-08	2.83E-07	1.20E-07
2049	495661.06	3859501.99	8.88E-04	9.10E-04	8.58E-04	3.08E-07	9.29E-07	5.38E-07	5.51E-07	4.99E-07	2.28E-07	2.15E-07	1.03E-08	2.48E-07	5.47E-08	7.48E-08	1.19E-07	2.09E-08	1.42E-08	5.42E-07	2.80E-07	1.19E-07	1.40E-07	5.50E-08	2.80E-07	1.19E-07
2050	494311.06	3859551.99	1.22E-03	1.25E-03	1.18E-03	4.23E-07	1.28E-06	7.39E-07	7.57E-07	6.87E-07	3.13E-07	2.95E-07	1.41E-08	3.41E-07	7.53E-08	1.03E-07	1.63E-07	2.87E-08	1.95E-08	7.45E-07	3.86E-07	1.64E-07	1.93E-07	7.56E-08	3.86E-07	1.64E-07
2051	494361.06	3859551.99	1.19E-03	1.22E-03	1.15E-03	4.13E-07	1.25E-06	7.22E-07	7.40E-07	6.71E-07	3.06E-07	2.89E-07	1.38E-08	3.33E-07	7.36E-08	1.00E-07	1.59E-07	2.81E-08	1.90E-08	7.28E-07	3.77E-07	1.60E-07	1.88E-07	7.39E-08	3.77E-07	1.60E-07
2052	494411.06	3859551.99	1.16E-03	1.19E-03	1.12E-03	4.03E-07	1.22E-06	7.04E-07	7.21E-07	6.53E-07	2.98E-07	2.81E-07	1.34E-08	3.25E-07	7.17E-08	9.79E-08	1.55E-07	2.74E-08	1.85E-08	7.09E-07	3.67E-07	1.56E-07	1.83E-07	7.20E-08	3.67E-07	1.56E-07
2053	494461.06	3859551.99	1.17E-03	1.19E-03	1.13E-03	4.04E-07	1.22E-06	7.05E-07	7.23E-07	6.55E-07	2.99E-07	2.82E-07	1.35E-08	3.26E-07	7.18E-08	9.81E-08	1.56E-07	2.74E-08	1.86E-08	7.11E-07	3.68E-07	1.56E-07	1.84E-07	7.22E-08	3.68E-07	1.56E-07
2054	494511.06	3859551.99	1.15E-03	1.18E-03	1.11E-03	3.97E-07	1.20E-06	6.95E-07	7.12E-07	6.45E-07	2.94E-07	2.78E-07	1.33E-08	3.21E-07	7.07E-08	9.66E-08	1.53E-07	2.70E-08	1.83E-08	7.00E-07	3.62E-07	1.54E-07	1.81E-07	7.11E-08	3.62E-07	1.54E-07
2055	494561.06	3859551.99	1.13E-03	1.16E-03	1.10E-03	3.92E-07	1.18E-06	6.86E-07	7.02E-07	6.37E-07	2.91E-07	2.74E-07	1.31E-08	3.16E-07	6.98E-08	9.54E-08	1.51E-07	2.67E-08	1.81E-08	6.91E-07	3.58E-07	1.52E-07	1.79E-07	7.01E-08	3.58E-07	1.52E-07
2056	494611.06	3859551.99	1.12E-03	1.15E-03	1.09E-03	3.89E-07	1.18E-06	6.80E-07	6.97E-07	6.32E-07	2.88E-07	2.72E-07	1.30E-08	3.14E-07	6.93E-08	9.46E-08	1.50E-07	2.65E-08	1.79E-08	6.85E-07	3.55E-07	1.51E-07	1.77E-07	6.96E-08	3.55E-07	1.51E-07
2057	494661.06	3859551.99	1.11E-03	1.14E-03	1.08E-03	3.85E-07	1.16E-06	6.73E-07	6.90E-07	6.25E-07	2.85E-07	2.69E-07	1.29E-08	3.11E-07	6.86E-08	9.36E-08	1.49E-07	2.62E-08	1.77E-08	6.78E-07	3.51E-07	1.49E-07	1.75E-07	6.89E-08	3.51E-07	1.49E-07
2058	494711.06	3859551.99	1.08E-03	1.11E-03	1.05E-03	3.74E-07	1.13E-06	6.55E-07	6.70E-07	6.08E-07	2.77E-07	2.62E-07	1.25E-08	3.02E-07	6.67E-08	9.10E-08	1.44E-07	2.54E-08	1.73E-08	6.59E-07	3.41E-07	1.45E-07	1.70E-07	6.70E-08	3.41E-07	1.45E-07
2059	494761.06	3859551.99	1.08E-03	1.11E-03	1.05E-03	3.76E-07	1.13E-06	6.56E-07	6.72E-07	6.09E-07	2.78E-07	2.62E-07	1.25E-08	3.03E-07	6.68E-08	9.13E-08	1.45E-07	2.55E-08	1.73E-08	6.61E-07	3.42E-07	1.45E-07	1.71E-07	6.71E-08	3.42E-07	1.45E-07
2060	494811.06	3859551.99	1.06E-03	1.09E-03	1.03E-03	3.68E-07	1.11E-06	6.43E-07	6.59E-07	5.97E-07	2.72E-07	2.57E-07	1.23E-08	2.97E-07	6.55E-08	8.94E-08	1.42E-07	2.50E-08	1.69E-08	6.48E-07	3.35E-07	1.42E-07	1.67E-07	6.58E-08	3.35E-07	1.42E-07
2061	494861.06	3859551.99	1.05E-03	1.08E-03	1.02E-03	3.64E-07	1.10E-06	6.36E-07	6.51E-07	5.90E-07	2.69E-07	2.54E-07	1.21E-08	2.93E-07	6.47E-08	8.84E-08	1.40E-07	2.47E-08	1.68E-08	6.40E-07	3.32E-07	1.41E-07	1.66E-07	6.50E-08	3.32E-07	1.41E-07
2062	494911.06	3859551.99	1.04E-03	1.06E-03	1.00E-03	3.59E-07	1.08E-06	6.28E-07	6.43E-07	5.83E-07	2.66E-07	2.51E-07	1.20E-08	2.90E-07	6.39E-08	8.73E-08	1.38E-07	2.44E-08	1.65E-08	6.32E-07	3.27E-07	1.39E-07	1.63E-07	6.42E-08	3.27E-07	1.39E-07
2063	494961.06	3859551.99	1.03E-03	1.06E-03	9.95E-04	3.57E-07	1.08E-06	6.23E-07	6.38E-07	5.79E-07	2.64E-07	2.49E-07	1.19E-08	2.88E-07	6.35E-08	8.67E-08	1.38E-07	2.42E-08	1.64E-08	6.28E-07	3.25E-07	1.38E-07	1.62E-07	6.38E-08	3.25E-07	1.38E-07
2064	495011.06	3859551.99	1.02E-03	1.05E-03	9.88E-04	3.54E-07	1.07E-06	6.19E-07	6.34E-07	5.75E-07	2.62E-07	2.47E-07	1.18E-08	2.86E-07	6.30E-08	8.61E-08	1.37E-07	2.41E-08	1.63E-08	6.23E-07	3.23E-07	1.37E-07	1.61E-07	6.33E-08	3.23E-07	1.37E-07
2065	495061.06	3859551.99	1.01E-03	1.04E-03	9.78E-04	3.50E-07	1.06E-06	6.13E-07	6.27E-07	5.69E-07	2.60E-07	2.45E-07	1.17E-08	2.83E-07	6.24E-08	8.52E-08	1.35E-07	2.38E-08	1.61E-08	6.17E-07	3.20E-07	1.36E-07	1.59E-07	6.27E-08	3.20E-07	1.36E-07
2066	495111.06	3859551.99	1.00E-03	1.02E-03	9.67E-04	3.46E-07	1.05E-06	6.05E-07	6.20E-07	5.62E-07	2.57E-07	2.42E-07	1.16E-08	2.79E-07	6.17E-08	8.42E-08	1.34E-07	2.35E-08	1.60E-08	6.10E-07	3.16E-07	1.34E-07	1.58E-07	6.19E-08	3.16E-07	1.34E-07
2067	495161.06	3859551.99	9.93E-04	1.02E-03	9.60E-04	3.44E-07	1.04E-06	6.01E-07	6.16E-07	5.58E-07	2.55E-07	2.40E-07	1.15E-08	2.77E-07	6.12E-08	8.36E-08	1.33E-07	2.34E-08	1.58E-08	6.05E-07	3.13E-07	1.33E-07	1.56E-07	6.15E-08	3.13E-07	1.33E-07
2068	495211.06	3859551.99	9.89E-04	1.01E-03	9.55E-04	3.42E-07	1.03E-06	5.98E-07	6.13E-07	5.56E-07	2.53E-07	2.39E-07	1.14E-08	2.76E-07	6.09E-08	8.32E-08	1.32E-07	2.33E-08	1.58E-08	6.03E-07	3.12E-07	1.32E-07	1.56E-07	6.12E-08	3.12E-07	1.32E-07
2069	495261.06	3859551.99	9.79E-04	1.00E-03	9.45E-04	3.39E-07	1.02E-06	5.92E-07	6.06E-07	5.50E-07	2.51E-07	2.37E-07	1.13E-08	2.73E-07	6.03E-08	8.23E-08	1.31E-07	2.30E-08	1.56E-08	5.96E-07	3.09E-07	1.31E-07	1.54E-07	6.06E-08	3.09E-07	1.31E-07
2070	495311.06	3859551.99	9.71E-04	9.95E-04	9.38E-04	3.36E-07	1.02E-06	5.88E-07	6.02E-07	5.46E-07	2.49E-07	2.35E-07	1.12E-08	2.71E-07	5.98E-08	8.17E-08	1.30E-07	2.28E-08	1.55E-08	5.92E-07	3.07E-07	1.30E-07	1.53E-07	6.01E-08	3.07E-07	1.30E-07
2071	495361.06	3859551.99	9.64E-04	9.87E-04	9.31E-04	3.34E-07	1.01E-06	5.83E-07	5.97E-07	5.41E-07	2.47E-07	2.33E-07	1.11E-08	2.69E-07	5.94E-08	8.11E-08	1.29E-07	2.27E-08	1.54E-08	5.87E-07	3.04E-07	1.29E-07	1.52E-07	5.96E-08	3.04E-07	1.29E-07
2072	495411.06	3859551.99	9.58E-04	9.81E-04	9.25E-04	3.32E-07	1.00E-06	5.80E-07	5.94E-07	5.38E-07	2.46E-07	2.32E-07	1.11E-08	2.67E-07	5.90E-08	8.06E-08	1.28E-07	2.25E-08	1.53E-08	5.84E-07	3.02E-07	1.28E-07	1.51E-07	5.93E-08	3.02E-07	1.28E-07

2073	495461.06	3859551.99	9.46E-04	9.69E-04	9.14E-04	3.27E-07	9.89E-07	5.72E-07	5.86E-07	5.31E-07	2.43E-07	2.29E-07	1.09E-08	2.64E-07	5.83E-08	7.96E-08	1.26E-07	2.23E-08	1.51E-08	5.77E-07	2.99E-07	1.27E-07	1.49E-07	5.85E-08	2.99E-07	1.27E-07
2074	495511.06	3859551.99	9.34E-04	9.57E-04	9.03E-04	3.23E-07	9.76E-07	5.65E-07	5.79E-07	5.25E-07	2.39E-07	2.26E-07	1.08E-08	2.61E-07	5.76E-08	7.86E-08	1.25E-07	2.20E-08	1.49E-08	5.69E-07	2.95E-07	1.25E-07	1.47E-07	5.78E-08	2.95E-07	1.25E-07
2075	495561.06	3859551.99	9.27E-04	9.49E-04	8.95E-04	3.21E-07	9.69E-07	5.61E-07	5.74E-07	5.21E-07	2.38E-07	2.24E-07	1.07E-08	2.59E-07	5.71E-08	7.80E-08	1.24E-07	2.18E-08	1.48E-08	5.65E-07	2.93E-07	1.24E-07	1.46E-07	5.74E-08	2.93E-07	1.24E-07
2076	495611.06	3859551.99	9.18E-04	9.40E-04	8.87E-04	3.18E-07	9.59E-07	5.55E-07	5.69E-07	5.16E-07	2.35E-07	2.22E-07	1.06E-08	2.56E-07	5.66E-08	7.72E-08	1.23E-07	2.16E-08	1.46E-08	5.60E-07	2.90E-07	1.23E-07	1.45E-07	5.68E-08	2.90E-07	1.23E-07
2077	495661.06	3859551.99	9.09E-04	9.31E-04	8.78E-04	3.15E-07	9.50E-07	5.50E-07	5.63E-07	5.11E-07	2.33E-07	2.20E-07	1.05E-08	2.54E-07	5.60E-08	7.65E-08	1.21E-07	2.14E-08	1.45E-08	5.54E-07	2.87E-07	1.22E-07	1.43E-07	5.63E-08	2.87E-07	1.22E-07
2078	494311.06	3859601.99	1.25E-03	1.28E-03	1.21E-03	4.33E-07	1.31E-06	7.57E-07	7.76E-07	7.03E-07	3.21E-07	3.03E-07	1.45E-08	3.49E-07	7.71E-08	1.05E-07	1.67E-07	2.94E-08	2.00E-08	7.63E-07	3.95E-07	1.68E-07	1.97E-07	7.75E-08	3.95E-07	1.68E-07
2079	494361.06	3859601.99	1.21E-03	1.24E-03	1.17E-03	4.20E-07	1.27E-06	7.34E-07	7.52E-07	6.82E-07	3.11E-07	2.93E-07	1.40E-08	3.39E-07	7.47E-08	1.02E-07	1.62E-07	2.85E-08	1.93E-08	7.39E-07	3.83E-07	1.62E-07	1.91E-07	7.51E-08	3.83E-07	1.62E-07
2080	494411.06	3859601.99	1.19E-03	1.22E-03	1.15E-03	4.13E-07	1.25E-06	7.22E-07	7.39E-07	6.70E-07	3.06E-07	2.88E-07	1.38E-08	3.33E-07	7.35E-08	1.00E-07	1.59E-07	2.81E-08	1.90E-08	7.27E-07	3.76E-07	1.60E-07	1.88E-07	7.38E-08	3.76E-07	1.60E-07
2081	494461.06	3859601.99	1.19E-03	1.22E-03	1.15E-03	4.12E-07	1.24E-06	7.21E-07	7.38E-07	6.69E-07	3.05E-07	2.88E-07	1.38E-08	3.33E-07	7.34E-08	1.00E-07	1.59E-07	2.80E-08	1.90E-08	7.26E-07	3.76E-07	1.59E-07	1.88E-07	7.37E-08	3.76E-07	1.59E-07
2082	494511.06	3859601.99	1.17E-03	1.20E-03	1.13E-03	4.04E-07	1.22E-06	7.06E-07	7.23E-07	6.56E-07	2.99E-07	2.82E-07	1.35E-08	3.26E-07	7.19E-08	9.82E-08	1.56E-07	2.75E-08	1.86E-08	7.12E-07	3.68E-07	1.56E-07	1.84E-07	7.22E-08	3.68E-07	1.56E-07
2083	494561.06	3859601.99	1.16E-03	1.19E-03	1.12E-03	4.03E-07	1.22E-06	7.04E-07	7.21E-07	6.53E-07	2.98E-07	2.81E-07	1.34E-08	3.25E-07	7.17E-08	9.79E-08	1.55E-07	2.74E-08	1.85E-08	7.09E-07	3.67E-07	1.56E-07	1.83E-07	7.20E-08	3.67E-07	1.56E-07
2084	494611.06	3859601.99	1.16E-03	1.18E-03	1.12E-03	4.00E-07	1.21E-06	6.99E-07	7.16E-07	6.49E-07	2.96E-07	2.79E-07	1.34E-08	3.23E-07	7.12E-08	9.72E-08	1.54E-07	2.72E-08	1.84E-08	7.04E-07	3.65E-07	1.55E-07	1.82E-07	7.15E-08	3.65E-07	1.55E-07
2085	494661.06	3859601.99	1.13E-03	1.15E-03	1.09E-03	3.90E-07	1.18E-06	6.82E-07	6.99E-07	6.33E-07	2.89E-07	2.73E-07	1.30E-08	3.15E-07	6.95E-08	9.49E-08	1.51E-07	2.65E-08	1.80E-08	6.87E-07	3.56E-07	1.51E-07	1.78E-07	6.98E-08	3.56E-07	1.51E-07
2086	494711.06	3859601.99	1.11E-03	1.13E-03	1.07E-03	3.83E-07	1.16E-06	6.70E-07	6.86E-07	6.22E-07	2.84E-07	2.68E-07	1.28E-08	3.09E-07	6.82E-08	9.31E-08	1.48E-07	2.60E-08	1.77E-08	6.75E-07	3.49E-07	1.48E-07	1.74E-07	6.85E-08	3.49E-07	1.48E-07
2087	494761.06	3859601.99	1.11E-03	1.14E-03	1.08E-03	3.86E-07	1.16E-06	6.74E-07	6.91E-07	6.26E-07	2.86E-07	2.69E-07	1.29E-08	3.11E-07	6.87E-08	9.38E-08	1.49E-07	2.62E-08	1.78E-08	6.79E-07	3.52E-07	1.49E-07	1.76E-07	6.90E-08	3.52E-07	1.49E-07
2088	494811.06	3859601.99	1.09E-03	1.12E-03	1.05E-03	3.78E-07	1.14E-06	6.60E-07	6.76E-07	6.13E-07	2.80E-07	2.64E-07	1.26E-08	3.05E-07	6.72E-08	9.18E-08	1.46E-07	2.57E-08	1.74E-08	6.65E-07	3.44E-07	1.46E-07	1.72E-07	6.75E-08	3.44E-07	1.46E-07
2089	494861.06	3859601.99	1.08E-03	1.11E-03	1.04E-03	3.74E-07	1.13E-06	6.54E-07	6.70E-07	6.07E-07	2.77E-07	2.61E-07	1.25E-08	3.02E-07	6.66E-08	9.09E-08	1.44E-07	2.54E-08	1.72E-08	6.58E-07	3.41E-07	1.45E-07	1.70E-07	6.69E-08	3.41E-07	1.45E-07
2090	494911.06	3859601.99	1.06E-03	1.09E-03	1.03E-03	3.68E-07	1.11E-06	6.43E-07	6.59E-07	5.97E-07	2.72E-07	2.57E-07	1.23E-08	2.97E-07	6.55E-08	8.94E-08	1.42E-07	2.50E-08	1.69E-08	6.48E-07	3.35E-07	1.42E-07	1.67E-07	6.58E-08	3.35E-07	1.42E-07
2091	494961.06	3859601.99	1.06E-03	1.09E-03	1.03E-03	3.67E-07	1.11E-06	6.42E-07	6.58E-07	5.96E-07	2.72E-07	2.57E-07	1.23E-08	2.96E-07	6.54E-08	8.93E-08	1.42E-07	2.50E-08	1.69E-08	6.47E-07	3.35E-07	1.42E-07	1.67E-07	6.57E-08	3.35E-07	1.42E-07
2092	495011.06	3859601.99	1.04E-03	1.07E-03	1.01E-03	3.61E-07	1.09E-06	6.31E-07	6.47E-07	5.86E-07	2.67E-07	2.52E-07	1.21E-08	2.91E-07	6.43E-08	8.78E-08	1.39E-07	2.45E-08	1.66E-08	6.36E-07	3.29E-07	1.40E-07	1.64E-07	6.46E-08	3.29E-07	1.40E-07
2093	495061.06	3859601.99	1.04E-03	1.06E-03	1.00E-03	3.60E-07	1.09E-06	6.29E-07	6.44E-07	5.84E-07	2.66E-07	2.51E-07	1.20E-08	2.90E-07	6.40E-08	8.74E-08	1.39E-07	2.44E-08	1.66E-08	6.33E-07	3.28E-07	1.39E-07	1.64E-07	6.43E-08	3.28E-07	1.39E-07
2094	495111.06	3859601.99	1.03E-03	1.05E-03	9.91E-04	3.55E-07	1.07E-06	6.21E-07	6.36E-07	5.76E-07	2.63E-07	2.48E-07	1.19E-08	2.86E-07	6.32E-08	8.63E-08	1.37E-07	2.41E-08	1.64E-08	6.25E-07	3.24E-07	1.37E-07	1.62E-07	6.35E-08	3.24E-07	1.37E-07
2095	495161.06	3859601.99	1.02E-03	1.04E-03	9.85E-04	3.53E-07	1.07E-06	6.17E-07	6.32E-07	5.73E-07	2.61E-07	2.47E-07	1.18E-08	2.85E-07	6.28E-08	8.58E-08	1.36E-07	2.40E-08	1.63E-08	6.22E-07	3.22E-07	1.37E-07	1.61E-07	6.31E-08	3.22E-07	1.37E-07
2096	495211.06	3859601.99	1.01E-03	1.04E-03	9.77E-04	3.50E-07	1.06E-06	6.12E-07	6.27E-07	5.68E-07	2.59E-07	2.44E-07	1.17E-08	2.82E-07	6.23E-08	8.51E-08	1.35E-07	2.38E-08	1.61E-08	6.16E-07	3.19E-07	1.35E-07	1.59E-07	6.26E-08	3.19E-07	1.35E-07
2097	495261.06	3859601.99	1.01E-03	1.03E-03	9.71E-04	3.48E-07	1.05E-06	6.08E-07	6.23E-07	5.65E-07	2.58E-07	2.43E-07	1.16E-08	2.81E-07	6.19E-08	8.46E-08	1.34E-07	2.36E-08	1.60E-08	6.13E-07	3.17E-07	1.35E-07	1.58E-07	6.22E-08	3.17E-07	1.35E-07
2098	495311.06	3859601.99	9.99E-04	1.02E-03	9.65E-04	3.46E-07	1.04E-06	6.05E-07	6.19E-07	5.61E-07	2.56E-07	2.42E-07	1.15E-08	2.79E-07	6.16E-08	8.41E-08	1.33E-07	2.35E-08	1.59E-08	6.09E-07	3.15E-07	1.34E-07	1.57E-07	6.18E-08	3.15E-07	1.34E-07
2099	495361.06	3859601.99	9.90E-04	1.01E-03	9.57E-04	3.43E-07	1.04E-06	5.99E-07	6.14E-07	5.56E-07	2.54E-07	2.39E-07	1.14E-08	2.77E-07	6.10E-08	8.33E-08	1.32E-07	2.33E-08	1.58E-08	6.04E-07	3.13E-07	1.33E-07	1.56E-07	6.13E-08	3.13E-07	1.33E-07
2100	495411.06	3859601.99	9.84E-04	1.01E-03	9.51E-04	3.41E-07	1.03E-06	5.96E-07	6.10E-07	5.53E-07	2.52E-07	2.38E-07	1.14E-08	2.75E-07	6.07E-08	8.28E-08	1.31E-07	2.32E-08	1.57E-08	6.00E-07	3.11E-07	1.32E-07	1.55E-07	6.09E-08	3.11E-07	1.32E-07
2101	495461.06	3859601.99	9.70E-04	9.93E-04	9.37E-04	3.36E-07	1.01E-06	5.87E-07	6.01E-07	5.45E-07	2.49E-07	2.34E-07	1.12E-08	2.71E-07	5.97E-08	8.16E-08	1.29E-07	2.28E-08	1.55E-08	5.91E-07	3.06E-07	1.30E-07	1.53E-07	6.00E-08	3.06E-07	1.30E-07
2102	495511.06	3859601.99	9.55E-04	9.78E-04	9.23E-04	3.31E-07	9.98E-07	5.78E-07	5.92E-07	5.36E-07	2.45E-07	2.31E-07	1.10E-08	2.67E-07	5.88E-08	8.03E-08	1.27E-07	2.25E-08	1.52E-08	5.82E-07	3.01E-07	1.28E-07	1.50E-07	5.91E-08	3.01E-07	1.28E-07
2103	495561.06	3859601.99	9.52E-04	9.75E-04	9.20E-04	3.30E-07	9.95E-07	5.76E-07	5.90E-07	5.35E-07	2.44E-07	2.30E-07	1.10E-08	2.66E-07	5.87E-08	8.01E-08	1.27E-07	2.24E-08	1.52E-08	5.80E-07	3.00E-07	1.27E-07	1.50E-07	5.89E-08	3.00E-07	1.27E-07
2104	495611.06	3859601.99	9.37E-04	9.60E-04	9.05E-04	3.24E-07	9.80E-07	5.67E-07	5.81E-07	5.26E-07	2.40E-07	2.27E-07	1.08E-08	2.62E-07	5.77E-08	7.89E-08	1.25E-07	2.20E-08	1.49E-08	5.71E-07	2.96E-07	1.25E-07	1.48E-07	5.80E-08	2.96E-07	1.25E-07
2105	495661.06	3859601.99	9.31E-04	9.54E-04	9.00E-04	3.22E-07	9.73E-07	5.63E-07	5.77E-07	5.23E-07	2.39E-07	2.25E-07	1.08E-08	2.60E-07	5.74E-08	7.84E-08	1.24E-07	2.19E-08	1.49E-08	5.68E-07	2.94E-07	1.25E-07	1.47E-07	5.76E-08	2.94E-07	1.25E-07
2106	494311.06	3859651.99	1.27E-03	1.30E-03	1.23E-03	4.40E-07	1.33E-06	7.70E-07	7.88E-07	7.15E-07	3.26E-07	3.08E-07	1.47E-08	3.55E-07	7.84E-08	1.07E-07	1.70E-07	2.99E-08	2.03E-08	7.75E-07	4.02E-07	1.70E-07	2.00E-07	7.87E-08	4.02E-07	1.70E-07
2107	494361.06	3859651.99	1.24E-03	1.27E-03	1.19E-03	4.28E-07	1.29E-06	7.47E-07	7.66E-07	6.94E-07	3.17E-07	2.99E-07	1.43E-08	3.45E-07	7.61E-08	1.04E-07	1.65E-07	2.91E-08	1.97E-08	7.53E-07	3.90E-07	1.65E-07	1.95E-07	7.65E-08	3.90E-07	1.65E-07
2108	494411.06	3859651.99	1.22E-03	1.25E-03	1.18E-03	4.23E-07	1.28E-06	7.39E-07	7.56E-07	6.86E-07	3.13E-07	2.95E-07	1.41E-08	3.41E-07	7.52E-08	1.03E-07	1.63E-07	2.87E-08	1.95E-08	7.44E-07	3.85E-07	1.63E-07	1.92E-07	7.55E-08	3.85E-07	1.63E-07
2109	494461.06	3859651.99	1.22E-03	1.25E-03	1.18E-03	4.22E-07	1.27E-06	7.38E-07	7.55E-07	6.85E-07	3.12E-07	2.95E-07	1.41E-08	3.40E-07	7.51E-08	1.03E-07	1.63E-07	2.87E-08	1.94E-08	7.43E-07	3.85E-07	1.63E-07	1.92E-07	7.54E-08	3.85E-07	1.63E-07
2110	494511.06	3859651.99	1.20E-03	1.23E-03	1.16E-03	4.16E-07	1.26E-06	7.28E-07	7.45E-07	6.76E-07	3.08E-07	2.91E-07	1.39E-08	3.36E-07	7.41E-08	1.01E-07	1.61E-07	2.83E-08	1.92E-08	7.33E-07	3.80E-07	1.61E-07	1.89E-07	7.44E-08	3.80E-07	1.61E-07
2111	494561.06	3859651.99	1.19E-03	1.22E-03	1.15E-03	4.13E-07	1.25E-06	7.22E-07	7.39E-07	6.70E-07	3.06E-07	2.88E-07	1.38E-08	3.33E-07	7.35E-08	1.00E-07	1.59E-07	2.81E-08	1.90E-08	7.27E-07	3.76E-07	1.60E-07	1.88E-07	7.38E-08	3.76E-07	1.60E-07
2112	494611.06	3859651.99	1.18E-03	1.21E-03	1.14E-03	4.09E-07	1.23E-06	7.14E-07	7.32E-07	6.63E-07	3.03E-07	2.85E-07	1.36E-08	3.30E-07	7.27E-08	9.93E-08	1.58E-07	2.78E-08	1.88E-08	7.20E-07	3.73E-07	1.58E-07	1.86E-07	7.31E-08	3.73E-07	1.58E-07
2113	494661.06	3859651.99	1.15E-03	1.18E-03	1.11E-03	3.97E-07	1.20E-06	6.95E-07	7.12E-07	6.45E-07	2.94E-07	2.78E-07	1.33E-08	3.21E-07	7.07E-08	9.66E-08	1.53E-07	2.70E-08	1.83E-08	7.00E-07	3.62E-07	1.54E-07	1.81E-07	7.11E-08	3.62E-07	1.54E-07
2114	494711.06	3859651.99	1.14E-03	1.17E-03	1.10E-03	3.94E-07	1.19E-06	6.89E-07	7.05E-07	6.39E-07	2.92E-07	2.75E-07	1.32E-08	3.18E-07	7.01E-08	9.57E-08	1.52E-07	2.68E-08	1.81E-08	6.94E-07	3.59E-07	1.52E-07	1.79E-07	7.04E-08	3.59E-07	1.52E-07
2115	494761.06	3859651.99	1.13E-03	1.16E-03	1.10E-03	3.93E-07	1.19E-06	6.87E-07	7.03E-07	6.38E-07	2.91E-07	2.74E-07	1.31E-08	3.17E-07	6.99E-08	9.55E-08	1.51E-07	2.67E-08	1.81E-08	6.92E-07	3.58E-07	1.52E-07	1.79E-07	7.02E-08	3.58E-07	1.52E-07
2116	494811.06	3859651.99	1.12E-03	1.15E-03	1.08E-03	3.87E-07	1.17E-06	6.77E-07	6.93E-07	6.28E-07	2.87E-07	2.70E-07	1.29E-08	3.12E-07	6.89E-08	9.41E-08	1.49E-07	2.63E-08	1.78E-08	6.82E-07	3.53E-07	1.50E-07	1.76E-07	6.92E-08	3.53E-07	1.50E-07
2117	494861.06	3859651.99	1.11E-03	1.14E-03	1.07E-03	3.84E-07	1.16E-06	6.71E-07	6.87E-07	6.23E-07	2.84E-07	2.68E-07	1.28E-08	3.09E-07	6.83E-08	9.33E-08	1.48E-07	2.61E-08	1.77E-08	6.76E-07	3.50E-07	1.48E-07	1.75E-07	6.86E-08	3.50E-07	1.48E-07
2118	494911.06	3859651.99	1.10E-03	1.12E-03	1.06E-03	3.80E-07	1.15E-06	6.64E-07	6.80E-07	6.16E-07	2.81E-07	2.65E-07	1.27E-08	3.06E-07	6.76E-08	9.23E-08	1.46E-07	2.58E-08	1.75E-08	6.68E-07	3.46E-07	1.47E-07	1.73E-07	6.79E-08	3.46E-07	1.47E-07
2119	494961.06	3859651.99	1.09E-03	1.11E-03	1.05E-03	3.76E-07	1.14E-06	6.57E-07	6.73E-07	6.10E-07	2.78E-07	2.63E-07	1.26E-08	3.03E-07	6.69E-08	9.14E-08	1.45E-07	2.56E-08	1.73E-08	6.62E-07	3.43E-07	1.45E-07	1.71E-07	6.72E-08	3.43E-07	1.45E-07
2120	495011.06	3859651.99	1.07E-03	1.10E-03	1.04E-03	3.72E-07	1.12E-06	6.50E-07	6.66E-07	6.04E-07	2.75E-07	2.60E-07	1.24E-08	3.00E-07	6.62E-08	9.04E-08	1.43E-07	2.53E-08	1.71E-08	6.55E-07	3.39E-07	1.44E-07	1.69E-07	6.65E-08	3.39E-07	1.44E-07
2121	495061.06	3859651.99	1.07E-03	1.09E-03	1.03E-03	3.69E-07	1.12E-06	6.46E-07	6.61E-07	5.99E-07	2.74E-07	2.58E-07	1.23E-08	2.98E-07	6.57E-08	8.98E-08	1.42E-07	2.51E-08	1.70E-08	6.50E-07	3.37E-07	1.43E-07	1.68E-07	6.60E-08	3.37E-07	1.43E-07
2122	495111.06	3859651.99	1.06E-03	1.08E-03	1.02E-03	3.65E-07	1.10E-06	6.38E-07	6.54E-07	5.93E-07	2.70E-07	2.55E-07	1.22E-08	2.95E-07	6.50E-08	8.88E-08	1.41E-07	2.48E-08	1.68E-08	6.43E-07	3.33E-07	1.41E-07	1.66E-07	6.53E-08	3.33E-07	1.41E-07
2123	495161.06	3859651.99	1.05E-03	1.07E-03	1.01E-03	3.62E-07	1.09E-06	6.33E-07	6.48E-07	5.88E-07	2.68E-07	2.53E-07	1.21E-08	2.92E-07	6.45E-08	8.80E-08	1.40E-07	2.46E-08	1.67E-08	6.38E-07	3.30E-07	1.40E-07	1.65E-07	6.48E-08	3.30E-07	1.40E-07
2124	495211.06	3859651.99	1.04E-03	1.06E-03	1.00E-03	3.60E-07	1.09E-06	6.29E-07	6.44E-07	5.84E-07	2.66E-07	2.51E-07	1.20E-08	2.90E-07	6.40E-08	8.74E-08	1.39E-07	2.44E-08	1.66E-08	6.33E-07	3.28E-07	1.39E-07	1.64E-07	6.43E-08	3.28E-07	1.39E-07
2125	495261.06	3859651.99	1.03E-03	1.06E-03	9.95E-04	3.57E-07	1.08E-06	6.23E-07	6.38E-07	5.79E-07	2.64E-07	2.49E-07	1.19E-08	2.88E-07	6.35E-08	8.67E-08	1.38E-07	2.42E-08	1.64E-08	6.28E-07	3.25E-07	1.38E-07	1.62E-07	6.38E-08	3.25E-07	1.38E-07
2126	495311.06	3859651.99	1.02E-03	1.05E-03	9.88E-04	3.54E-07	1.07E-06	6.19E-07	6.34E-07	5.75E-07	2.62E-07	2.47E-07	1.18E-08	2.86E-07	6.30E-08	8.61E-08	1.37E-07	2.41E-08	1.63E-08	6.23E-07	3.23E-07	1.37E-07	1.61E-07	6.33E-08	3.23E-07	1.37E-07
2127	495361.06	3859651.99	1.02E-03	1.04E-03	9.81E-04	3.51E-07	1.06E-06	6.14E-07	6.29E-07	5.70E-07	2.60E-07	2.46E-07	1.17E-08	2.84E-07	6.26E-08	8.54E-08	1.36E-07	2.39E-08	1.62E-08	6.19E-07	3.20E-07	1.36E-07	1.60E-07	6.28E-08	3.20E-07	1.36E-07
2128	495411.06	3859651.99	1.01E-03	1.03E-03	9.72E-04	3.48E-07	1.05E-06	6.09E-07	6.24E-07	5.65E-07	2.58E-07	2.43E-07	1.16E-08	2.81E-07	6.20E-08	8.47E-08	1.34E-07	2.37E-08	1.61E-08	6.13E-07	3.18E-07	1.35E-07	1.59E-07	6.23E-08	3.18E-07	1.35E-07
2129	495461.06	3859651.99	9.92E-04	1.02E-03	9.58E-04	3.43E-07	1.04E-06	6.00E-07	6.15E-07	5.57E-07	2.54E-07	2.40E-07	1.15E-08	2.77E-07	6.11E-08	8.34E-08	1.32E-07	2.33E-08	1.58E-08	6.04E-07	3.13E-07	1.33E-07	1.56E-07	6.14E-08	3.13E-07	1.33E-07
2130	495511.06	3859651.99	9.80E-04	1.00E-03	9.47E-04	3.39E-07	1.02E-06	5.93E-07	6.07E-07	5.51E-07	2.51E-07	2.37E-07	1.13E-08	2.74E-07	6.04E-08	8.25E-08	1.31E-07	2.31E-08	1.56E-08	5.97E-07	3.09E-07	1.31E-07	1.54E-07	6.06E-08	3.09E-07	1.31E-07
2131	495561.06	3859651.99	9.73E-04	9.96E-04	9.40E-04	3.37E-07	1.02E-06	5.88E-07	6.03E-07	5.46E-07	2.49E-07	2.35E-07	1.12E-08	2.72E-07	5.99E-08	8.18E-08	1.30E-07	2.29E-08	1.55E-08	5.93E-07	3.07E-07	1.30E-07	1.53E-07	6.02E-08	3.07E-07	1.30E-07
2132	495611.06	3859651.99	9.64E-04	9.87E-04	9.31E-04	3.34E-07	1.01E-06	5.83E-07	5.97E-07	5.41E-07	2.47E-07	2.33E-07	1.11E-08	2.69E-07	5.94E-08	8.11E-08	1.29E-07	2.27E-08	1.54E-08	5.87E-07	3.04E-07	1.29E-07	1.52E-07	5.96E-08	3.04E-07	1.29E-07
2133	495661.06	3859651.99	9.53E-04	9.77E-04	9.21E-04	3.30E-07	9.97E-07	5.77E-07	5.91E-07	5.36E-07	2.44E-07	2.31E-07	1.10E-08	2.66E-07	5.87E-08	8.02E-08	1.27E-07	2.24E-08	1.52E-08	5.81E-07	3.01E-07	1.28E-07	1.50E-07	5.90E-08	3.01E-07	1.28E-07
2134	494311.06	3859701.99	1.27E-03	1.30E-03	1.23E-03	4.39E-07	1.33E-06	7.68E-07	7.87E-07	7.13E-07	3.25E-07	3.07E-07	1.47E-08	3.54E-07	7.82E-08	1.07E-07	1.69E-07	2.99E-08	2.02E-08	7.74E-07	4.01E-07	1.70E-07	2.00E-07	7.86E-08	4.01E-07	1.70E-07
2135	494361.06	3859701.99	1.25E-03	1.28E-03	1.21E-03	4.34E-07	1.31E-06	7.59E-07	7.77E-07	7.05E-07	3.22E-07	3.03E-07	1.45E-08	3.50E-07	7.73E-08	1.06E-07	1.67E-07	2.95E-08	2.00E-08	7.65E-07	3.96E-07	1.68E-07	1.98E-07	7.76E-08	3.96E-07	1.68E-07
2136	494411.06	3859701.99	1.24E-03	1.27E-03	1.20E-03	4.31E-07	1.30E-06	7.53E-07	7.71E-07	6.99E-07	3.19E-07	3.01E-07	1.44E-08	3.47E-07	7.67E-08	1.05E-07	1.66E-07	2.93E-08	1.98E-08	7.58E-07	3.93E-07	1.67E-07	1.96E-07	7.70E-08	3.93E-07	1.67E-07
2137	494461.06	3859701.99	1.25E-03	1.28E-03	1.20E-03	4.32E-07	1.30E-06	7.55E-07	7.73E-07	7.01E-07	3.20E-07	3.02E-07	1.44E-08	3.48E-07	7.68E-08	1.05E-07	1.66E-07	2.93E-08	1.99E-08	7.60E-07	3.94E-07	1.67E-07	1.96E-07	7.72E-08	3.94E-07	1.67E-07
2138	494511.06	3859701.99	1.23E-03	1.26E-03	1.19E-03	4.27E-07	1.29E-06	7.46E-07	7.64E-07	6.92E-07	3.16E-07	2.98E-07	1.42E-08	3.44E-07	7.59E-08	1.04E-07	1.64E-07	2.90E-08	1.97E-08	7.51E-07	3.89E-07	1.65E-07	1.94E-07	7.63E-08	3.89E-07	1.65E-07
2139	494561.06	3859701.99	1.22E-03	1.25E-03	1.18E-03	4.23E-07	1.28E-06	7.39E-07	7.57E-07	6.87E-07	3.13E-07	2.95E-07	1.41E-08	3.41E-07	7.53E-08	1.03E-07	1.63E-07	2.87E-08	1.95E-08	7.45E-07	3.86E-07	1.64E-07	1.93E-07	7.56E-08	3.86E-07	1.64E-07
2140	494611.06	3859701.99	1.21E-03	1.24E-03	1.17E-03	4.19E-07	1.27E-06	7.33E-07	7.51E-07	6.81E-07	3.11E-07	2.93E-07	1.40E-08	3.38E-07	7.47E-08	1.02E-07	1.62E-07	2.85E-08	1.93E-08	7.39E-07	3.82E-07	1.62E-07	1.91E-07	7.50E-08	3.82E-07	1.62E-07
2141	494661.06	3859701.99	1.18E-03	1.21E-03	1.14E-03	4.08E-07	1.23E-06	7.13E-07	7.30E-07	6.62E-07	3.02E-07	2.85E-07	1.36E-08	3.29E-07	7.26E-08	9.91E-08	1.57E-07	2.77E-08	1.88E-08	7.18E-07	3.72E-07	1.58E-07	1.86E-07	7.29E-08	3.72E-07	1.58E-07
2142	494711.06	3859701.99	1.17E-03	1.20E-03	1.13E-03	4.06E-07	1.23E-06	7.10E-07	7.27E-07	6.59E-07	3.01E-07	2.84E-07	1.36E-08	3.28E-07	7.23E-08	9.87E-08	1.57E-07	2.76E-08	1.87E-08	7.15E-07	3.70E-07	1.57E-07	1.85E-07	7.26E-08	3.70E-07	1.57E-07
2143	494761.06	3859701.99	1.16E-03	1.19E-03	1.12E-03	4.01E-07	1.21E-06	7.00E-07	7.17E-07	6.50E-07	2.97E-07	2.80E-07	1.34E-08	3.23E-07	7.13E-08	9.74E-08	1.54E-07	2.72E-08	1.85E-08	7.05E-07	3.65E-07	1.55E-07	1.82E-07	7.16E-08	3.65E-07	1.55E-07
2144	494811.06	3859701.99	1.14E-03	1.17E-03	1.10E-03	3.95E-07	1.19E-06	6.91E-07	7.08E-07	6.42E-07	2.93E-07	2.76E-07	1.32E-08	3.19E-07	7.04E-08	9.61E-08	1.52E-07	2.69E-08	1.82E-08	6.96E-07	3.61E-07	1.53E-07	1.80E-07	7.07E-08	3.61E-07	1.53E-07
2145	494861.06	3859701.99	1.14E-03	1.17E-03	1.10E-03	3.94E-07	1.19E-06	6.89E-07	7.05E-07	6.39E-07	2.92E-07	2.75E-07	1.32E-08	3.18E-07	7.01E-08	9.57E-08	1.52E-07	2.68E-08	1.81E-08	6.94E-07	3.59E-07	1.52E-07	1.79E-07	7.04E-08	3.59E-07	1.52E-07
2146	494911.06	3859701.99	1.13E-03	1.15E-03	1.09E-03	3.90E-07	1.18E-06	6.81E-07	6.98E-07	6.33E-07	2.89E-07	2.72E-07	1.30E-08	3.14E-07	6.94E-08	9.48E-08	1.50E-07	2.65E-08	1.80E-08	6.86E-07	3.55E-07	1.51E-07	1.77E-07	6.97E-08	3.55E-07	1.51E-07
2147	494961.06	3859701.99	1.11E-03	1.14E-03	1.08E-03	3.85E-07	1.16E-06	6.73E-07	6.90E-07	6.25E-07	2.85E-07	2.69E-07	1.29E-08	3.11E-07	6.86E-08	9.36E-08	1.49E-07	2.62E-08	1.77E-08	6.78E-07	3.51E-07	1.49E-07	1.75E-07	6.89E-08	3.51E-07	1.49E-07
2148	495011.06	3859701.99	1.11E-03	1.13E-03	1.07E-03	3.83E-07	1.16E-06	6.69E-07	6.85E-07	6.21E-07	2.83E-07	2.67E-07	1.28E-08	3.09E-07	6.81E-08	9.30E-08	1.48E-07	2.60E-08	1.76E-08	6.74E-07	3.49E-07	1.48E-07	1.74E-07	6.84E-08	3.49E-07	1.48E-07
2149	495061.06	3859701.99	1.10E-03	1.12E-03	1.06E-03	3.79E-07	1.14E-06	6.63E-07	6.79E-07	6.15E-07	2.81E-07	2.65E-07	1.27E-08	3.06E-07	6.75E-08	9.21E-08	1.46E-07	2.58E-08	1.75E-08	6.67E-07	3.46E-07	1.47E-07	1.73E-07	6.78E-08	3.46E-07	1.47E-07

2150	495111.06	3859701.99	1.08E-03	1.11E-03	1.05E-03	3.76E-07	1.13E-06	6.56E-07	6.72E-07	6.09E-07	2.78E-07	2.62E-07	1.25E-08	3.03E-07	6.68E-08	9.13E-08	1.45E-07	2.55E-08	1.73E-08	6.61E-07	3.42E-07	1.45E-07	1.71E-07	6.71E-08	3.42E-07	1.45E-07
2151	495161.06	3859701.99	1.07E-03	1.10E-03	1.04E-03	3.71E-07	1.12E-06	6.49E-07	6.65E-07	6.03E-07	2.75E-07	2.59E-07	1.24E-08	3.00E-07	6.61E-08	9.03E-08	1.43E-07	2.52E-08	1.71E-08	6.54E-07	3.39E-07	1.44E-07	1.69E-07	6.64E-08	3.39E-07	1.44E-07
2152	495211.06	3859701.99	1.06E-03	1.09E-03	1.03E-03	3.67E-07	1.11E-06	6.42E-07	6.58E-07	5.96E-07	2.72E-07	2.57E-07	1.23E-08	2.96E-07	6.54E-08	8.93E-08	1.42E-07	2.50E-08	1.69E-08	6.47E-07	3.35E-07	1.42E-07	1.67E-07	6.57E-08	3.35E-07	1.42E-07
2153	495261.06	3859701.99	1.06E-03	1.08E-03	1.02E-03	3.66E-07	1.10E-06	6.39E-07	6.55E-07	5.94E-07	2.71E-07	2.56E-07	1.22E-08	2.95E-07	6.51E-08	8.89E-08	1.41E-07	2.49E-08	1.69E-08	6.44E-07	3.34E-07	1.42E-07	1.66E-07	6.54E-08	3.34E-07	1.42E-07
2154	495311.06	3859701.99	1.05E-03	1.07E-03	1.01E-03	3.62E-07	1.09E-06	6.33E-07	6.48E-07	5.88E-07	2.68E-07	2.53E-07	1.21E-08	2.92E-07	6.45E-08	8.80E-08	1.40E-07	2.46E-08	1.67E-08	6.38E-07	3.30E-07	1.40E-07	1.65E-07	6.48E-08	3.30E-07	1.40E-07
2155	495361.06	3859701.99	1.04E-03	1.06E-03	1.00E-03	3.59E-07	1.08E-06	6.28E-07	6.43E-07	5.83E-07	2.66E-07	2.51E-07	1.20E-08	2.90E-07	6.39E-08	8.73E-08	1.38E-07	2.44E-08	1.65E-08	6.32E-07	3.27E-07	1.39E-07	1.63E-07	6.42E-08	3.27E-07	1.39E-07
2156	495411.06	3859701.99	1.02E-03	1.05E-03	9.90E-04	3.55E-07	1.07E-06	6.20E-07	6.35E-07	5.75E-07	2.63E-07	2.48E-07	1.18E-08	2.86E-07	6.31E-08	8.62E-08	1.37E-07	2.41E-08	1.63E-08	6.24E-07	3.23E-07	1.37E-07	1.61E-07	6.34E-08	3.23E-07	1.37E-07
2157	495461.06	3859701.99	1.01E-03	1.04E-03	9.80E-04	3.51E-07	1.06E-06	6.13E-07	6.28E-07	5.70E-07	2.60E-07	2.45E-07	1.17E-08	2.83E-07	6.25E-08	8.53E-08	1.35E-07	2.39E-08	1.62E-08	6.18E-07	3.20E-07	1.36E-07	1.60E-07	6.28E-08	3.20E-07	1.36E-07
2158	495511.06	3859701.99	9.98E-04	1.02E-03	9.64E-04	3.45E-07	1.04E-06	6.04E-07	6.18E-07	5.60E-07	2.56E-07	2.41E-07	1.15E-08	2.79E-07	6.15E-08	8.39E-08	1.33E-07	2.35E-08	1.59E-08	6.08E-07	3.15E-07	1.34E-07	1.57E-07	6.17E-08	3.15E-07	1.34E-07
2159	495561.06	3859701.99	9.96E-04	1.02E-03	9.62E-04	3.45E-07	1.04E-06	6.03E-07	6.17E-07	5.60E-07	2.55E-07	2.41E-07	1.15E-08	2.78E-07	6.14E-08	8.38E-08	1.33E-07	2.34E-08	1.59E-08	6.07E-07	3.14E-07	1.33E-07	1.57E-07	6.17E-08	3.14E-07	1.33E-07
2160	495611.06	3859701.99	9.87E-04	1.01E-03	9.54E-04	3.42E-07	1.03E-06	5.97E-07	6.12E-07	5.55E-07	2.53E-07	2.39E-07	1.14E-08	2.76E-07	6.08E-08	8.31E-08	1.32E-07	2.32E-08	1.57E-08	6.02E-07	3.12E-07	1.32E-07	1.56E-07	6.11E-08	3.12E-07	1.32E-07
2161	495661.06	3859701.99	9.77E-04	1.00E-03	9.44E-04	3.38E-07	1.02E-06	5.91E-07	6.05E-07	5.49E-07	2.50E-07	2.36E-07	1.13E-08	2.73E-07	6.02E-08	8.22E-08	1.30E-07	2.30E-08	1.56E-08	5.95E-07	3.08E-07	1.31E-07	1.54E-07	6.05E-08	3.08E-07	1.31E-07
2162	494311.06	3859751.99	1.31E-03	1.34E-03	1.26E-03	4.53E-07	1.37E-06	7.91E-07	8.10E-07	7.35E-07	3.35E-07	3.16E-07	1.51E-08	3.65E-07	8.06E-08	1.10E-07	1.75E-07	3.08E-08	2.09E-08	7.97E-07	4.13E-07	1.75E-07	2.06E-07	8.09E-08	4.13E-07	1.75E-07
2163	494361.06	3859751.99	1.29E-03	1.32E-03	1.25E-03	4.47E-07	1.35E-06	7.81E-07	8.00E-07	7.25E-07	3.31E-07	3.12E-07	1.49E-08	3.61E-07	7.96E-08	1.09E-07	1.72E-07	3.04E-08	2.06E-08	7.87E-07	4.08E-07	1.73E-07	2.03E-07	7.99E-08	4.08E-07	1.73E-07
2164	494411.06	3859751.99	1.27E-03	1.30E-03	1.23E-03	4.40E-07	1.33E-06	7.70E-07	7.88E-07	7.15E-07	3.26E-07	3.08E-07	1.47E-08	3.55E-07	7.84E-08	1.07E-07	1.70E-07	2.99E-08	2.03E-08	7.75E-07	4.02E-07	1.70E-07	2.00E-07	7.87E-08	4.02E-07	1.70E-07
2165	494461.06	3859751.99	1.27E-03	1.30E-03	1.23E-03	4.40E-07	1.33E-06	7.70E-07	7.88E-07	7.15E-07	3.26E-07	3.08E-07	1.47E-08	3.55E-07	7.84E-08	1.07E-07	1.70E-07	2.99E-08	2.03E-08	7.75E-07	4.02E-07	1.70E-07	2.00E-07	7.87E-08	4.02E-07	1.70E-07
2166	494511.06	3859751.99	1.27E-03	1.30E-03	1.22E-03	4.38E-07	1.32E-06	7.66E-07	7.85E-07	7.11E-07	3.25E-07	3.06E-07	1.46E-08	3.54E-07	7.80E-08	1.07E-07	1.69E-07	2.98E-08	2.02E-08	7.72E-07	4.00E-07	1.70E-07	1.99E-07	7.84E-08	4.00E-07	1.70E-07
2167	494561.06	3859751.99	1.25E-03	1.28E-03	1.21E-03	4.33E-07	1.31E-06	7.57E-07	7.76E-07	7.03E-07	3.21E-07	3.03E-07	1.45E-08	3.49E-07	7.71E-08	1.05E-07	1.67E-07	2.94E-08	2.00E-08	7.63E-07	3.95E-07	1.68E-07	1.97E-07	7.75E-08	3.95E-07	1.68E-07
2168	494611.06	3859751.99	1.23E-03	1.26E-03	1.19E-03	4.27E-07	1.29E-06	7.47E-07	7.65E-07	6.93E-07	3.16E-07	2.98E-07	1.43E-08	3.45E-07	7.60E-08	1.04E-07	1.65E-07	2.90E-08	1.97E-08	7.52E-07	3.89E-07	1.65E-07	1.94E-07	7.64E-08	3.89E-07	1.65E-07
2169	494661.06	3859751.99	1.20E-03	1.23E-03	1.16E-03	4.17E-07	1.26E-06	7.29E-07	7.46E-07	6.77E-07	3.09E-07	2.91E-07	1.39E-08	3.36E-07	7.42E-08	1.01E-07	1.61E-07	2.83E-08	1.92E-08	7.34E-07	3.80E-07	1.61E-07	1.90E-07	7.45E-08	3.80E-07	1.61E-07
2170	494711.06	3859751.99	1.20E-03	1.23E-03	1.16E-03	4.16E-07	1.26E-06	7.28E-07	7.45E-07	6.76E-07	3.08E-07	2.91E-07	1.39E-08	3.36E-07	7.41E-08	1.01E-07	1.61E-07	2.83E-08	1.92E-08	7.33E-07	3.80E-07	1.61E-07	1.89E-07	7.44E-08	3.80E-07	1.61E-07
2171	494761.06	3859751.99	1.19E-03	1.22E-03	1.15E-03	4.13E-07	1.25E-06	7.22E-07	7.40E-07	6.71E-07	3.06E-07	2.89E-07	1.38E-08	3.33E-07	7.36E-08	1.00E-07	1.59E-07	2.81E-08	1.90E-08	7.28E-07	3.77E-07	1.60E-07	1.88E-07	7.39E-08	3.77E-07	1.60E-07
2172	494811.06	3859751.99	1.18E-03	1.21E-03	1.14E-03	4.08E-07	1.23E-06	7.14E-07	7.31E-07	6.62E-07	3.02E-07	2.85E-07	1.36E-08	3.29E-07	7.27E-08	9.92E-08	1.57E-07	2.77E-08	1.88E-08	7.19E-07	3.72E-07	1.58E-07	1.86E-07	7.30E-08	3.72E-07	1.58E-07
2173	494861.06	3859751.99	1.17E-03	1.20E-03	1.13E-03	4.04E-07	1.22E-06	7.06E-07	7.23E-07	6.56E-07	2.99E-07	2.82E-07	1.35E-08	3.26E-07	7.19E-08	9.82E-08	1.56E-07	2.75E-08	1.86E-08	7.12E-07	3.68E-07	1.56E-07	1.84E-07	7.22E-08	3.68E-07	1.56E-07
2174	494911.06	3859751.99	1.16E-03	1.19E-03	1.12E-03	4.01E-07	1.21E-06	7.00E-07	7.17E-07	6.50E-07	2.97E-07	2.80E-07	1.34E-08	3.23E-07	7.13E-08	9.74E-08	1.54E-07	2.72E-08	1.85E-08	7.05E-07	3.65E-07	1.55E-07	1.82E-07	7.16E-08	3.65E-07	1.55E-07
2175	494961.06	3859751.99	1.15E-03	1.17E-03	1.11E-03	3.97E-07	1.20E-06	6.94E-07	7.11E-07	6.44E-07	2.94E-07	2.77E-07	1.33E-08	3.20E-07	7.07E-08	9.65E-08	1.53E-07	2.70E-08	1.83E-08	6.99E-07	3.62E-07	1.54E-07	1.81E-07	7.10E-08	3.62E-07	1.54E-07
2176	495011.06	3859751.99	1.13E-03	1.16E-03	1.10E-03	3.93E-07	1.19E-06	6.87E-07	7.03E-07	6.38E-07	2.91E-07	2.74E-07	1.31E-08	3.17E-07	6.99E-08	9.55E-08	1.51E-07	2.67E-08	1.81E-08	6.92E-07	3.58E-07	1.52E-07	1.79E-07	7.02E-08	3.58E-07	1.52E-07
2177	495061.06	3859751.99	1.13E-03	1.15E-03	1.09E-03	3.90E-07	1.18E-06	6.82E-07	6.99E-07	6.33E-07	2.89E-07	2.73E-07	1.30E-08	3.15E-07	6.95E-08	9.49E-08	1.51E-07	2.65E-08	1.80E-08	6.87E-07	3.56E-07	1.51E-07	1.78E-07	6.98E-08	3.56E-07	1.51E-07
2178	495111.06	3859751.99	1.12E-03	1.14E-03	1.08E-03	3.86E-07	1.17E-06	6.75E-07	6.91E-07	6.27E-07	2.86E-07	2.70E-07	1.29E-08	3.12E-07	6.87E-08	9.39E-08	1.49E-07	2.62E-08	1.78E-08	6.80E-07	3.52E-07	1.49E-07	1.76E-07	6.91E-08	3.52E-07	1.49E-07
2179	495161.06	3859751.99	1.10E-03	1.13E-03	1.07E-03	3.82E-07	1.15E-06	6.68E-07	6.84E-07	6.20E-07	2.83E-07	2.67E-07	1.28E-08	3.08E-07	6.80E-08	9.29E-08	1.47E-07	2.60E-08	1.76E-08	6.73E-07	3.48E-07	1.48E-07	1.74E-07	6.83E-08	3.48E-07	1.48E-07
2180	495211.06	3859751.99	1.09E-03	1.12E-03	1.06E-03	3.78E-07	1.14E-06	6.61E-07	6.77E-07	6.14E-07	2.80E-07	2.64E-07	1.26E-08	3.05E-07	6.73E-08	9.19E-08	1.46E-07	2.57E-08	1.74E-08	6.66E-07	3.45E-07	1.46E-07	1.72E-07	6.76E-08	3.45E-07	1.46E-07
2181	495261.06	3859751.99	1.08E-03	1.11E-03	1.05E-03	3.75E-07	1.13E-06	6.55E-07	6.71E-07	6.09E-07	2.78E-07	2.62E-07	1.25E-08	3.02E-07	6.67E-08	9.11E-08	1.45E-07	2.55E-08	1.73E-08	6.60E-07	3.42E-07	1.45E-07	1.71E-07	6.70E-08	3.42E-07	1.45E-07
2182	495311.06	3859751.99	1.07E-03	1.10E-03	1.04E-03	3.71E-07	1.12E-06	6.49E-07	6.65E-07	6.03E-07	2.75E-07	2.59E-07	1.24E-08	3.00E-07	6.61E-08	9.03E-08	1.43E-07	2.52E-08	1.71E-08	6.54E-07	3.39E-07	1.44E-07	1.69E-07	6.64E-08	3.39E-07	1.44E-07
2183	495361.06	3859751.99	1.06E-03	1.09E-03	1.03E-03	3.68E-07	1.11E-06	6.43E-07	6.59E-07	5.97E-07	2.72E-07	2.57E-07	1.23E-08	2.97E-07	6.55E-08	8.94E-08	1.42E-07	2.50E-08	1.69E-08	6.48E-07	3.35E-07	1.42E-07	1.67E-07	6.58E-08	3.35E-07	1.42E-07
2184	495411.06	3859751.99	1.05E-03	1.08E-03	1.02E-03	3.65E-07	1.10E-06	6.38E-07	6.53E-07	5.92E-07	2.70E-07	2.55E-07	1.22E-08	2.94E-07	6.49E-08	8.87E-08	1.41E-07	2.48E-08	1.68E-08	6.42E-07	3.33E-07	1.41E-07	1.66E-07	6.52E-08	3.33E-07	1.41E-07
2185	495461.06	3859751.99	1.04E-03	1.07E-03	1.01E-03	3.60E-07	1.09E-06	6.30E-07	6.45E-07	5.85E-07	2.67E-07	2.52E-07	1.20E-08	2.91E-07	6.41E-08	8.75E-08	1.39E-07	2.45E-08	1.66E-08	6.34E-07	3.28E-07	1.39E-07	1.64E-07	6.44E-08	3.28E-07	1.39E-07
2186	495511.06	3859751.99	1.03E-03	1.05E-03	9.92E-04	3.56E-07	1.07E-06	6.22E-07	6.37E-07	5.77E-07	2.63E-07	2.48E-07	1.19E-08	2.87E-07	6.33E-08	8.64E-08	1.37E-07	2.42E-08	1.64E-08	6.26E-07	3.24E-07	1.38E-07	1.62E-07	6.36E-08	3.24E-07	1.38E-07
2187	495561.06	3859751.99	1.02E-03	1.04E-03	9.84E-04	3.53E-07	1.06E-06	6.16E-07	6.31E-07	5.72E-07	2.61E-07	2.46E-07	1.18E-08	2.84E-07	6.27E-08	8.57E-08	1.36E-07	2.40E-08	1.62E-08	6.21E-07	3.21E-07	1.36E-07	1.60E-07	6.30E-08	3.21E-07	1.36E-07
2188	495611.06	3859751.99	1.01E-03	1.03E-03	9.75E-04	3.49E-07	1.06E-06	6.11E-07	6.26E-07	5.67E-07	2.59E-07	2.44E-07	1.17E-08	2.82E-07	6.22E-08	8.49E-08	1.35E-07	2.37E-08	1.61E-08	6.15E-07	3.19E-07	1.35E-07	1.59E-07	6.25E-08	3.19E-07	1.35E-07
2189	495661.06	3859751.99	1.00E-03	1.03E-03	9.68E-04	3.47E-07	1.05E-06	6.06E-07	6.21E-07	5.63E-07	2.57E-07	2.42E-07	1.16E-08	2.80E-07	6.17E-08	8.43E-08	1.34E-07	2.36E-08	1.60E-08	6.11E-07	3.16E-07	1.34E-07	1.58E-07	6.20E-08	3.16E-07	1.34E-07
2190	494311.06	3859801.99	1.35E-03	1.38E-03	1.30E-03	4.66E-07	1.41E-06	8.14E-07	8.34E-07	7.56E-07	3.45E-07	3.25E-07	1.56E-08	3.76E-07	8.29E-08	1.13E-07	1.80E-07	3.17E-08	2.15E-08	8.20E-07	4.25E-07	1.80E-07	2.12E-07	8.33E-08	4.25E-07	1.80E-07
2191	494361.06	3859801.99	1.32E-03	1.35E-03	1.28E-03	4.58E-07	1.38E-06	8.00E-07	8.20E-07	7.43E-07	3.39E-07	3.20E-07	1.53E-08	3.69E-07	8.15E-08	1.11E-07	1.77E-07	3.11E-08	2.11E-08	8.06E-07	4.17E-07	1.77E-07	2.08E-07	8.18E-08	4.17E-07	1.77E-07
2192	494411.06	3859801.99	1.30E-03	1.33E-03	1.25E-03	4.50E-07	1.36E-06	7.86E-07	8.05E-07	7.30E-07	3.33E-07	3.14E-07	1.50E-08	3.63E-07	8.00E-08	1.09E-07	1.73E-07	3.06E-08	2.07E-08	7.92E-07	4.10E-07	1.74E-07	2.05E-07	8.04E-08	4.10E-07	1.74E-07
2193	494461.06	3859801.99	1.30E-03	1.33E-03	1.25E-03	4.49E-07	1.36E-06	7.85E-07	8.04E-07	7.29E-07	3.33E-07	3.14E-07	1.50E-08	3.62E-07	7.99E-08	1.09E-07	1.73E-07	3.05E-08	2.07E-08	7.91E-07	4.09E-07	1.74E-07	2.04E-07	8.03E-08	4.09E-07	1.74E-07
2194	494511.06	3859801.99	1.30E-03	1.33E-03	1.25E-03	4.49E-07	1.36E-06	7.85E-07	8.04E-07	7.29E-07	3.33E-07	3.14E-07	1.50E-08	3.62E-07	7.99E-08	1.09E-07	1.73E-07	3.05E-08	2.07E-08	7.91E-07	4.09E-07	1.74E-07	2.04E-07	8.03E-08	4.09E-07	1.74E-07
2195	494561.06	3859801.99	1.28E-03	1.32E-03	1.24E-03	4.44E-07	1.34E-06	7.77E-07	7.96E-07	7.21E-07	3.29E-07	3.10E-07	1.48E-08	3.59E-07	7.91E-08	1.08E-07	1.71E-07	3.02E-08	2.05E-08	7.83E-07	4.05E-07	1.72E-07	2.02E-07	7.95E-08	4.05E-07	1.72E-07
2196	494611.06	3859801.99	1.26E-03	1.29E-03	1.21E-03	4.35E-07	1.31E-06	7.61E-07	7.79E-07	7.06E-07	3.22E-07	3.04E-07	1.45E-08	3.51E-07	7.75E-08	1.06E-07	1.68E-07	2.96E-08	2.01E-08	7.66E-07	3.97E-07	1.68E-07	1.98E-07	7.78E-08	3.97E-07	1.68E-07
2197	494661.06	3859801.99	1.24E-03	1.27E-03	1.20E-03	4.30E-07	1.30E-06	7.52E-07	7.70E-07	6.98E-07	3.19E-07	3.00E-07	1.44E-08	3.47E-07	7.66E-08	1.05E-07	1.66E-07	2.92E-08	1.98E-08	7.57E-07	3.92E-07	1.66E-07	1.96E-07	7.69E-08	3.92E-07	1.66E-07
2198	494711.06	3859801.99	1.22E-03	1.25E-03	1.18E-03	4.24E-07	1.28E-06	7.41E-07	7.59E-07	6.88E-07	3.14E-07	2.96E-07	1.42E-08	3.42E-07	7.55E-08	1.03E-07	1.64E-07	2.88E-08	1.95E-08	7.47E-07	3.87E-07	1.64E-07	1.93E-07	7.58E-08	3.87E-07	1.64E-07
2199	494761.06	3859801.99	1.22E-03	1.25E-03	1.18E-03	4.24E-07	1.28E-06	7.40E-07	7.58E-07	6.87E-07	3.14E-07	2.96E-07	1.41E-08	3.42E-07	7.54E-08	1.03E-07	1.63E-07	2.88E-08	1.95E-08	7.46E-07	3.86E-07	1.64E-07	1.93E-07	7.57E-08	3.86E-07	1.64E-07
2200	494811.06	3859801.99	1.21E-03	1.24E-03	1.17E-03	4.19E-07	1.26E-06	7.32E-07	7.50E-07	6.80E-07	3.10E-07	2.93E-07	1.40E-08	3.38E-07	7.46E-08	1.02E-07	1.62E-07	2.85E-08	1.93E-08	7.38E-07	3.82E-07	1.62E-07	1.91E-07	7.49E-08	3.82E-07	1.62E-07
2201	494861.06	3859801.99	1.20E-03	1.23E-03	1.16E-03	4.15E-07	1.25E-06	7.26E-07	7.44E-07	6.74E-07	3.08E-07	2.90E-07	1.39E-08	3.35E-07	7.39E-08	1.01E-07	1.60E-07	2.82E-08	1.91E-08	7.31E-07	3.79E-07	1.61E-07	1.89E-07	7.43E-08	3.79E-07	1.61E-07
2202	494911.06	3859801.99	1.19E-03	1.21E-03	1.14E-03	4.10E-07	1.24E-06	7.17E-07	7.34E-07	6.66E-07	3.04E-07	2.87E-07	1.37E-08	3.31E-07	7.30E-08	9.97E-08	1.58E-07	2.79E-08	1.89E-08	7.22E-07	3.74E-07	1.59E-07	1.87E-07	7.33E-08	3.74E-07	1.59E-07
2203	494961.06	3859801.99	1.17E-03	1.20E-03	1.13E-03	4.06E-07	1.23E-06	7.10E-07	7.27E-07	6.59E-07	3.01E-07	2.84E-07	1.36E-08	3.28E-07	7.23E-08	9.87E-08	1.57E-07	2.76E-08	1.87E-08	7.15E-07	3.70E-07	1.57E-07	1.85E-07	7.26E-08	3.70E-07	1.57E-07
2204	495011.06	3859801.99	1.16E-03	1.19E-03	1.12E-03	4.03E-07	1.22E-06	7.04E-07	7.21E-07	6.53E-07	2.98E-07	2.81E-07	1.34E-08	3.25E-07	7.17E-08	9.79E-08	1.55E-07	2.74E-08	1.85E-08	7.09E-07	3.67E-07	1.56E-07	1.83E-07	7.20E-08	3.67E-07	1.56E-07
2205	495061.06	3859801.99	1.15E-03	1.18E-03	1.11E-03	3.99E-07	1.20E-06	6.97E-07	7.14E-07	6.48E-07	2.95E-07	2.79E-07	1.33E-08	3.22E-07	7.10E-08	9.70E-08	1.54E-07	2.71E-08	1.84E-08	7.03E-07	3.64E-07	1.54E-07	1.82E-07	7.13E-08	3.64E-07	1.54E-07
2206	495111.06	3859801.99	1.14E-03	1.17E-03	1.10E-03	3.95E-07	1.19E-06	6.90E-07	7.07E-07	6.41E-07	2.92E-07	2.76E-07	1.32E-08	3.19E-07	7.03E-08	9.60E-08	1.52E-07	2.68E-08	1.82E-08	6.95E-07	3.60E-07	1.53E-07	1.80E-07	7.06E-08	3.60E-07	1.53E-07
2207	495161.06	3859801.99	1.13E-03	1.15E-03	1.09E-03	3.90E-07	1.18E-06	6.82E-07	6.99E-07	6.33E-07	2.89E-07	2.73E-07	1.30E-08	3.15E-07	6.95E-08	9.49E-08	1.51E-07	2.65E-08	1.80E-08	6.87E-07	3.56E-07	1.51E-07	1.78E-07	6.98E-08	3.56E-07	1.51E-07
2208	495211.06	3859801.99	1.12E-03	1.15E-03	1.08E-03	3.87E-07	1.17E-06	6.77E-07	6.93E-07	6.28E-07	2.87E-07	2.70E-07	1.29E-08	3.12E-07	6.89E-08	9.41E-08	1.49E-07	2.63E-08	1.78E-08	6.82E-07	3.53E-07	1.50E-07	1.76E-07	6.92E-08	3.53E-07	1.50E-07
2209	495261.06	3859801.99	1.11E-03	1.13E-03	1.07E-03	3.83E-07	1.16E-06	6.70E-07	6.86E-07	6.22E-07	2.84E-07	2.68E-07	1.28E-08	3.09E-07	6.82E-08	9.31E-08	1.48E-07	2.60E-08	1.77E-08	6.75E-07	3.49E-07	1.48E-07	1.74E-07	6.85E-08	3.49E-07	1.48E-07
2210	495311.06	3859801.99	1.10E-03	1.13E-03	1.06E-03	3.81E-07	1.15E-06	6.65E-07	6.81E-07	6.18E-07	2.82E-07	2.66E-07	1.27E-08	3.07E-07	6.77E-08	9.25E-08	1.47E-07	2.59E-08	1.75E-08	6.70E-07	3.47E-07	1.47E-07	1.73E-07	6.80E-08	3.47E-07	1.47E-07
2211	495361.06	3859801.99	1.09E-03	1.11E-03	1.05E-03	3.77E-07	1.14E-06	6.58E-07	6.74E-07	6.11E-07	2.79E-07	2.63E-07	1.26E-08	3.04E-07	6.70E-08	9.15E-08	1.45E-07	2.56E-08	1.73E-08	6.63E-07	3.43E-07	1.46E-07	1.71E-07	6.73E-08	3.43E-07	1.46E-07
2212	495411.06	3859801.99	1.08E-03	1.10E-03	1.04E-03	3.72E-07	1.12E-06	6.51E-07	6.67E-07	6.04E-07	2.76E-07	2.60E-07	1.24E-08	3.00E-07	6.63E-08	9.05E-08	1.44E-07	2.53E-08	1.72E-08	6.56E-07	3.40E-07	1.44E-07	1.69E-07	6.66E-08	3.40E-07	1.44E-07
2213	495461.06	3859801.99	1.07E-03	1.09E-03	1.03E-03	3.69E-07	1.11E-06	6.45E-07	6.60E-07	5.99E-07	2.73E-07	2.58E-07	1.23E-08	2.98E-07	6.57E-08	8.97E-08	1.42E-07	2.51E-08	1.70E-08	6.49E-07	3.36E-07	1.43E-07	1.68E-07	6.59E-08	3.36E-07	1.43E-07
2214	495511.06	3859801.99	1.05E-03	1.08E-03	1.02E-03	3.64E-07	1.10E-06	6.37E-07	6.52E-07	5.91E-07	2.70E-07	2.54E-07	1.22E-08	2.94E-07	6.48E-08	8.85E-08	1.40E-07	2.48E-08	1.68E-08	6.41E-07	3.32E-07	1.41E-07	1.66E-07	6.51E-08	3.32E-07	1.41E-07
2215	495561.06	3859801.99	1.04E-03	1.07E-03	1.01E-03	3.61E-07	1.09E-06	6.31E-07	6.47E-07	5.86E-07	2.67E-07	2.52E-07	1.21E-08	2.91E-07	6.43E-08	8.78E-08	1.39E-07	2.45E-08	1.66E-08	6.36E-07	3.29E-07	1.40E-07	1.64E-07	6.46E-08	3.29E-07	1.40E-07
2216	495611.06	3859801.99	1.04E-03	1.06E-03	1.00E-03	3.60E-07	1.09E-06	6.29E-07	6.44E-07	5.84E-07	2.66E-07	2.51E-07	1.20E-08	2.90E-07	6.40E-08	8.74E-08	1.39E-07	2.44E-08	1.66E-08	6.33E-07	3.28E-07	1.39E-07	1.64E-07	6.43E-08	3.28E-07	1.39E-07
2217	495661.06	3859801.99	1.03E-03	1.05E-03	9.91E-04	3.55E-07	1.07E-06	6.21E-07	6.36E-07	5.76E-07	2.63E-07	2.48E-07	1.19E-08	2.86E-07	6.32E-08	8.63E-08	1.37E-07	2.41E-08	1.64E-08	6.25E-07	3.24E-07	1.37E-07	1.62E-07	6.35E-08	3.24E-07	1.37E-07
2218	494311.06	3859851.99	1.38E-03	1.41E-03	1.33E-03	4.77E-07	1.44E-06	8.33E-07	8.53E-07	7.74E-07	3.53E-07	3.33E-07	1.59E-08	3.84E-07	8.48E-08	1.16E-07	1.84E-07	3.24E-08	2.20E-08	8.39E-07	4.35E-07	1.84E-07	2.17E-07	8.52E-08	4.35E-07	1.84E-07
2219	494361.06	3859851.99	1.36E-03	1.39E-03	1.31E-03	4.70E-07	1.42E-06	8.22E-07	8.41E-07	7.63E-07	3.48E-07	3.28E-07	1.57E-08	3.79E-07	8.37E-08	1.14E-07	1.81E-07	3.19E-08	2.17E-08	8.28E-07	4.29E-07	1.82E-07	2.14E-07	8.40E-08	4.29E-07	1.82E-07
2220	494411.06	3859851.99	1.34E-03	1.37E-03	1.29E-03	4.63E-07	1.40E-06	8.09E-07	8.29E-07	7.51E-07	3.43E-07	3.23E-07	1.55E-08	3.73E-07	8.24E-08	1.13E-07	1.78E-07	3.15E-08	2.13E-08	8.15E-07	4.22E-07	1.79E-07	2.11E-07	8.28E-08	4.22E-07	1.79E-07
2221	494461.06	3859851.99	1.32E-03	1.35E-03	1.28E-03	4.57E-07	1.38E-06	7.99E-07	8.19E-07	7.42E-07	3.39E-07	3.19E-07	1.53E-08	3.69E-07	8.14E-08	1.11E-07	1.76E-07	3.11E-08	2.11E-08	8.05E-07	4.17E-07	1.77E-07	2.08E-07	8.17E-08	4.17E-07	1.77E-07
2222	494511.06	3859851.99	1.32E-03	1.35E-03	1.27E-03	4.55E-07	1.37E-06	7.96E-07	8.15E-07	7.39E-07	3.37E-07	3.18E-07	1.52E-08	3.67E-07	8.10E-08	1.11E-07	1.76E-07	3.09E-08	2.10E-08	8.01E-07	4.15E-07	1.76E-07	2.07E-07	8.14E-08	4.15E-07	1.76E-07
2223	494561.06	3859851.99	1.31E-03	1.35E-03	1.27E-03	4.55E-07	1.37E-06	7.95E-07	8.14E-07	7.38E-07	3.37E-07	3.18E-07	1.52E-08	3.67E-07	8.09E-08	1.11E-07	1.75E-07	3.09E-08	2.09E-08	8.01E-07	4.15E-07	1.76E-07	2.07E-07	8.13E-08	4.15E-07	1.76E-07
2224	494611.06	3859851.99	1.28E-03	1.32E-03	1.24E-03	4.44E-07	1.34E-06	7.77E-07	7.96E-07	7.21E-07	3.29E-07	3.10E-07	1.48E-08	3.59E-07	7.91E-08	1.08E-07	1.71E-07	3.02E-08	2.05E-08	7.83E-07	4.05E-07	1.72E-07	2.02E-07	7.95E-08	4.05E-07	1.72E-07
2225	494661.06	3859851.99	1.28E-03	1.31E-03	1.23E-03	4.42E-07	1.33E-06	7.72E-07	7.91E-07	7.17E-07	3.27E-07	3.09E-07	1.48E-08	3.56E-07	7.87E-08	1.07E-07	1.70E-07	3.00E-08	2.04E-08	7.78E-07	4.03E-07	1.71E-07	2.01E-07	7.90E-08	4.03E-07	1.71E-07
2226	494711.06	3859851.99	1.26E-03	1.29E-03	1.21E-03	4.35E-07	1.31E-06	7.60E-07	7.78E-07	7.06E-07	3.22E-07	3.04E-07	1.45E-08	3.51E-07	7.74E-08	1.06E-07	1.68E-07	2.95E-08	2.00E-08	7.65E-07	3.96E-07	1.68E-07	1.98E-07	7.77E-08	3.96E-07	1.68E-07

2227	494761.06	3859851.99	1.25E-03	1.28E-03	1.21E-03	4.34E-07	1.31E-06	7.58E-07	7.77E-07	7.04E-07	3.21E-07	3.03E-07	1.45E-08	3.50E-07	7.72E-08	1.05E-07	1.67E-07	2.95E-08	2.00E-08	7.64E-07	3.95E-07	1.68E-07	1.97E-07	7.75E-08	3.95E-07	1.68E-07
2228	494811.06	3859851.99	1.24E-03	1.27E-03	1.20E-03	4.29E-07	1.30E-06	7.50E-07	7.68E-07	6.96E-07	3.18E-07	3.00E-07	1.43E-08	3.46E-07	7.64E-08	1.04E-07	1.65E-07	2.92E-08	1.98E-08	7.56E-07	3.91E-07	1.66E-07	1.95E-07	7.67E-08	3.91E-07	1.66E-07
2229	494861.06	3859851.99	1.23E-03	1.26E-03	1.19E-03	4.27E-07	1.29E-06	7.46E-07	7.64E-07	6.92E-07	3.16E-07	2.98E-07	1.42E-08	3.44E-07	7.59E-08	1.04E-07	1.64E-07	2.90E-08	1.97E-08	7.51E-07	3.89E-07	1.65E-07	1.94E-07	7.63E-08	3.89E-07	1.65E-07
2230	494911.06	3859851.99	1.22E-03	1.25E-03	1.17E-03	4.21E-07	1.27E-06	7.36E-07	7.54E-07	6.83E-07	3.12E-07	2.94E-07	1.41E-08	3.40E-07	7.49E-08	1.02E-07	1.62E-07	2.86E-08	1.94E-08	7.41E-07	3.84E-07	1.63E-07	1.92E-07	7.53E-08	3.84E-07	1.63E-07
2231	494961.06	3859851.99	1.21E-03	1.23E-03	1.16E-03	4.17E-07	1.26E-06	7.30E-07	7.47E-07	6.77E-07	3.09E-07	2.92E-07	1.39E-08	3.37E-07	7.43E-08	1.01E-07	1.61E-07	2.84E-08	1.92E-08	7.35E-07	3.81E-07	1.61E-07	1.90E-07	7.46E-08	3.81E-07	1.61E-07
2232	495011.06	3859851.99	1.19E-03	1.22E-03	1.15E-03	4.13E-07	1.25E-06	7.22E-07	7.40E-07	6.71E-07	3.06E-07	2.89E-07	1.38E-08	3.33E-07	7.36E-08	1.00E-07	1.59E-07	2.81E-08	1.90E-08	7.28E-07	3.77E-07	1.60E-07	1.88E-07	7.39E-08	3.77E-07	1.60E-07
2233	495061.06	3859851.99	1.18E-03	1.21E-03	1.14E-03	4.10E-07	1.24E-06	7.16E-07	7.34E-07	6.65E-07	3.03E-07	2.86E-07	1.37E-08	3.30E-07	7.29E-08	9.96E-08	1.58E-07	2.78E-08	1.89E-08	7.21E-07	3.74E-07	1.59E-07	1.86E-07	7.33E-08	3.74E-07	1.59E-07
2234	495111.06	3859851.99	1.17E-03	1.20E-03	1.13E-03	4.05E-07	1.22E-06	7.07E-07	7.24E-07	6.57E-07	3.00E-07	2.83E-07	1.35E-08	3.26E-07	7.20E-08	9.84E-08	1.56E-07	2.75E-08	1.86E-08	7.12E-07	3.69E-07	1.57E-07	1.84E-07	7.23E-08	3.69E-07	1.57E-07
2235	495161.06	3859851.99	1.16E-03	1.19E-03	1.12E-03	4.01E-07	1.21E-06	7.00E-07	7.17E-07	6.50E-07	2.97E-07	2.80E-07	1.34E-08	3.23E-07	7.13E-08	9.74E-08	1.54E-07	2.72E-08	1.85E-08	7.05E-07	3.65E-07	1.55E-07	1.82E-07	7.16E-08	3.65E-07	1.55E-07
2236	495211.06	3859851.99	1.15E-03	1.17E-03	1.11E-03	3.97E-07	1.20E-06	6.94E-07	7.11E-07	6.44E-07	2.94E-07	2.77E-07	1.33E-08	3.20E-07	7.07E-08	9.65E-08	1.53E-07	2.70E-08	1.83E-08	6.99E-07	3.62E-07	1.54E-07	1.81E-07	7.10E-08	3.62E-07	1.54E-07
2237	495261.06	3859851.99	1.13E-03	1.16E-03	1.10E-03	3.93E-07	1.19E-06	6.87E-07	7.03E-07	6.38E-07	2.91E-07	2.74E-07	1.31E-08	3.17E-07	6.99E-08	9.55E-08	1.51E-07	2.67E-08	1.81E-08	6.92E-07	3.58E-07	1.52E-07	1.79E-07	7.02E-08	3.58E-07	1.52E-07
2238	495311.06	3859851.99	1.13E-03	1.15E-03	1.09E-03	3.90E-07	1.18E-06	6.81E-07	6.98E-07	6.33E-07	2.89E-07	2.72E-07	1.30E-08	3.14E-07	6.94E-08	9.48E-08	1.50E-07	2.65E-08	1.80E-08	6.86E-07	3.55E-07	1.51E-07	1.77E-07	6.97E-08	3.55E-07	1.51E-07
2239	495361.06	3859851.99	1.12E-03	1.14E-03	1.08E-03	3.86E-07	1.17E-06	6.75E-07	6.91E-07	6.27E-07	2.86E-07	2.70E-07	1.29E-08	3.12E-07	6.87E-08	9.39E-08	1.49E-07	2.62E-08	1.78E-08	6.80E-07	3.52E-07	1.49E-07	1.76E-07	6.91E-08	3.52E-07	1.49E-07
2240	495411.06	3859851.99	1.10E-03	1.13E-03	1.07E-03	3.82E-07	1.15E-06	6.68E-07	6.84E-07	6.20E-07	2.83E-07	2.67E-07	1.28E-08	3.08E-07	6.80E-08	9.29E-08	1.47E-07	2.60E-08	1.76E-08	6.73E-07	3.48E-07	1.48E-07	1.74E-07	6.83E-08	3.48E-07	1.48E-07
2241	495461.06	3859851.99	1.09E-03	1.12E-03	1.06E-03	3.78E-07	1.14E-06	6.61E-07	6.77E-07	6.14E-07	2.80E-07	2.64E-07	1.26E-08	3.05E-07	6.73E-08	9.19E-08	1.46E-07	2.57E-08	1.74E-08	6.66E-07	3.45E-07	1.46E-07	1.72E-07	6.76E-08	3.45E-07	1.46E-07
2242	495511.06	3859851.99	1.08E-03	1.10E-03	1.04E-03	3.73E-07	1.13E-06	6.53E-07	6.69E-07	6.06E-07	2.77E-07	2.61E-07	1.25E-08	3.01E-07	6.65E-08	9.08E-08	1.44E-07	2.54E-08	1.72E-08	6.58E-07	3.41E-07	1.44E-07	1.70E-07	6.68E-08	3.41E-07	1.44E-07
2243	495561.06	3859851.99	1.07E-03	1.10E-03	1.04E-03	3.71E-07	1.12E-06	6.48E-07	6.64E-07	6.02E-07	2.75E-07	2.59E-07	1.24E-08	2.99E-07	6.60E-08	9.02E-08	1.43E-07	2.52E-08	1.71E-08	6.53E-07	3.38E-07	1.43E-07	1.69E-07	6.63E-08	3.38E-07	1.43E-07
2244	495611.06	3859851.99	1.06E-03	1.09E-03	1.03E-03	3.68E-07	1.11E-06	6.44E-07	6.59E-07	5.98E-07	2.73E-07	2.57E-07	1.23E-08	2.97E-07	6.56E-08	8.95E-08	1.42E-07	2.50E-08	1.70E-08	6.49E-07	3.36E-07	1.42E-07	1.68E-07	6.59E-08	3.36E-07	1.42E-07
2245	495661.06	3859851.99	1.05E-03	1.08E-03	1.02E-03	3.64E-07	1.10E-06	6.37E-07	6.52E-07	5.91E-07	2.70E-07	2.54E-07	1.22E-08	2.94E-07	6.48E-08	8.85E-08	1.40E-07	2.48E-08	1.68E-08	6.41E-07	3.32E-07	1.41E-07	1.66E-07	6.51E-08	3.32E-07	1.41E-07
2246	494311.06	3859901.99	1.41E-03	1.44E-03	1.36E-03	4.87E-07	1.47E-06	8.52E-07	8.73E-07	7.91E-07	3.61E-07	3.40E-07	1.63E-08	3.93E-07	8.68E-08	1.18E-07	1.88E-07	3.31E-08	2.25E-08	8.58E-07	4.44E-07	1.89E-07	2.22E-07	8.71E-08	4.44E-07	1.89E-07
2247	494361.06	3859901.99	1.38E-03	1.41E-03	1.33E-03	4.77E-07	1.44E-06	8.34E-07	8.54E-07	7.74E-07	3.53E-07	3.33E-07	1.59E-08	3.85E-07	8.49E-08	1.16E-07	1.84E-07	3.24E-08	2.20E-08	8.40E-07	4.35E-07	1.85E-07	2.17E-07	8.53E-08	4.35E-07	1.85E-07
2248	494411.06	3859901.99	1.37E-03	1.40E-03	1.32E-03	4.74E-07	1.43E-06	8.29E-07	8.49E-07	7.69E-07	3.51E-07	3.31E-07	1.58E-08	3.82E-07	8.44E-08	1.15E-07	1.83E-07	3.22E-08	2.18E-08	8.35E-07	4.32E-07	1.83E-07	2.16E-07	8.48E-08	4.32E-07	1.83E-07
2249	494461.06	3859901.99	1.35E-03	1.39E-03	1.31E-03	4.69E-07	1.42E-06	8.20E-07	8.40E-07	7.61E-07	3.47E-07	3.28E-07	1.57E-08	3.78E-07	8.35E-08	1.14E-07	1.81E-07	3.19E-08	2.16E-08	8.26E-07	4.28E-07	1.81E-07	2.13E-07	8.38E-08	4.28E-07	1.81E-07
2250	494511.06	3859901.99	1.34E-03	1.38E-03	1.30E-03	4.65E-07	1.41E-06	8.14E-07	8.33E-07	7.55E-07	3.45E-07	3.25E-07	1.55E-08	3.75E-07	8.28E-08	1.13E-07	1.79E-07	3.16E-08	2.14E-08	8.19E-07	4.24E-07	1.80E-07	2.12E-07	8.32E-08	4.24E-07	1.80E-07
2251	494561.06	3859901.99	1.35E-03	1.38E-03	1.30E-03	4.66E-07	1.41E-06	8.14E-07	8.34E-07	7.56E-07	3.45E-07	3.25E-07	1.56E-08	3.76E-07	8.29E-08	1.13E-07	1.80E-07	3.17E-08	2.15E-08	8.20E-07	4.25E-07	1.80E-07	2.12E-07	8.33E-08	4.25E-07	1.80E-07
2252	494611.06	3859901.99	1.32E-03	1.35E-03	1.27E-03	4.55E-07	1.37E-06	7.96E-07	8.15E-07	7.39E-07	3.37E-07	3.18E-07	1.52E-08	3.67E-07	8.10E-08	1.11E-07	1.76E-07	3.09E-08	2.10E-08	8.01E-07	4.15E-07	1.76E-07	2.07E-07	8.14E-08	4.15E-07	1.76E-07
2253	494661.06	3859901.99	1.31E-03	1.35E-03	1.27E-03	4.55E-07	1.37E-06	7.95E-07	8.14E-07	7.38E-07	3.37E-07	3.18E-07	1.52E-08	3.67E-07	8.09E-08	1.11E-07	1.75E-07	3.09E-08	2.09E-08	8.01E-07	4.15E-07	1.76E-07	2.07E-07	8.13E-08	4.15E-07	1.76E-07
2254	494711.06	3859901.99	1.28E-03	1.32E-03	1.24E-03	4.44E-07	1.34E-06	7.77E-07	7.96E-07	7.21E-07	3.29E-07	3.10E-07	1.48E-08	3.59E-07	7.91E-08	1.08E-07	1.71E-07	3.02E-08	2.05E-08	7.83E-07	4.05E-07	1.72E-07	2.02E-07	7.95E-08	4.05E-07	1.72E-07
2255	494761.06	3859901.99	1.28E-03	1.31E-03	1.24E-03	4.43E-07	1.34E-06	7.74E-07	7.93E-07	7.19E-07	3.28E-07	3.09E-07	1.48E-08	3.57E-07	7.88E-08	1.08E-07	1.71E-07	3.01E-08	2.04E-08	7.80E-07	4.04E-07	1.71E-07	2.02E-07	7.92E-08	4.04E-07	1.71E-07
2256	494811.06	3859901.99	1.27E-03	1.30E-03	1.23E-03	4.41E-07	1.33E-06	7.71E-07	7.89E-07	7.16E-07	3.26E-07	3.08E-07	1.47E-08	3.56E-07	7.85E-08	1.07E-07	1.70E-07	3.00E-08	2.03E-08	7.76E-07	4.02E-07	1.71E-07	2.01E-07	7.88E-08	4.02E-07	1.71E-07
2257	494861.06	3859901.99	1.26E-03	1.30E-03	1.22E-03	4.38E-07	1.32E-06	7.65E-07	7.84E-07	7.11E-07	3.24E-07	3.06E-07	1.46E-08	3.53E-07	7.79E-08	1.06E-07	1.69E-07	2.98E-08	2.02E-08	7.71E-07	3.99E-07	1.69E-07	1.99E-07	7.83E-08	3.99E-07	1.69E-07
2258	494911.06	3859901.99	1.25E-03	1.28E-03	1.21E-03	4.32E-07	1.31E-06	7.55E-07	7.74E-07	7.01E-07	3.20E-07	3.02E-07	1.44E-08	3.49E-07	7.69E-08	1.05E-07	1.67E-07	2.94E-08	1.99E-08	7.61E-07	3.94E-07	1.67E-07	1.97E-07	7.73E-08	3.94E-07	1.67E-07
2259	494961.06	3859901.99	1.24E-03	1.27E-03	1.20E-03	4.29E-07	1.29E-06	7.49E-07	7.67E-07	6.96E-07	3.17E-07	2.99E-07	1.43E-08	3.46E-07	7.63E-08	1.04E-07	1.65E-07	2.91E-08	1.97E-08	7.55E-07	3.91E-07	1.66E-07	1.95E-07	7.66E-08	3.91E-07	1.66E-07
2260	495011.06	3859901.99	1.22E-03	1.25E-03	1.18E-03	4.24E-07	1.28E-06	7.41E-07	7.59E-07	6.88E-07	3.14E-07	2.96E-07	1.42E-08	3.42E-07	7.55E-08	1.03E-07	1.64E-07	2.88E-08	1.95E-08	7.47E-07	3.87E-07	1.64E-07	1.93E-07	7.58E-08	3.87E-07	1.64E-07
2261	495061.06	3859901.99	1.21E-03	1.24E-03	1.17E-03	4.19E-07	1.27E-06	7.33E-07	7.51E-07	6.81E-07	3.11E-07	2.93E-07	1.40E-08	3.38E-07	7.47E-08	1.02E-07	1.62E-07	2.85E-08	1.93E-08	7.39E-07	3.82E-07	1.62E-07	1.91E-07	7.50E-08	3.82E-07	1.62E-07
2262	495111.06	3859901.99	1.20E-03	1.23E-03	1.16E-03	4.14E-07	1.25E-06	7.24E-07	7.42E-07	6.72E-07	3.07E-07	2.89E-07	1.38E-08	3.34E-07	7.37E-08	1.01E-07	1.60E-07	2.82E-08	1.91E-08	7.30E-07	3.78E-07	1.60E-07	1.89E-07	7.41E-08	3.78E-07	1.60E-07
2263	495161.06	3859901.99	1.18E-03	1.21E-03	1.14E-03	4.10E-07	1.24E-06	7.16E-07	7.34E-07	6.65E-07	3.03E-07	2.86E-07	1.37E-08	3.30E-07	7.29E-08	9.96E-08	1.58E-07	2.78E-08	1.89E-08	7.21E-07	3.74E-07	1.59E-07	1.86E-07	7.33E-08	3.74E-07	1.59E-07
2264	495211.06	3859901.99	1.17E-03	1.20E-03	1.13E-03	4.07E-07	1.23E-06	7.11E-07	7.28E-07	6.60E-07	3.01E-07	2.84E-07	1.36E-08	3.28E-07	7.24E-08	9.88E-08	1.57E-07	2.76E-08	1.87E-08	7.16E-07	3.71E-07	1.57E-07	1.85E-07	7.27E-08	3.71E-07	1.57E-07
2265	495261.06	3859901.99	1.16E-03	1.19E-03	1.12E-03	4.02E-07	1.21E-06	7.02E-07	7.19E-07	6.52E-07	2.97E-07	2.80E-07	1.34E-08	3.24E-07	7.15E-08	9.76E-08	1.55E-07	2.73E-08	1.85E-08	7.07E-07	3.66E-07	1.55E-07	1.83E-07	7.18E-08	3.66E-07	1.55E-07
2266	495311.06	3859901.99	1.15E-03	1.18E-03	1.11E-03	3.98E-07	1.20E-06	6.97E-07	7.13E-07	6.47E-07	2.95E-07	2.78E-07	1.33E-08	3.21E-07	7.09E-08	9.69E-08	1.54E-07	2.71E-08	1.84E-08	7.02E-07	3.63E-07	1.54E-07	1.81E-07	7.12E-08	3.63E-07	1.54E-07
2267	495361.06	3859901.99	1.14E-03	1.17E-03	1.10E-03	3.95E-07	1.19E-06	6.90E-07	7.07E-07	6.41E-07	2.92E-07	2.76E-07	1.32E-08	3.19E-07	7.03E-08	9.60E-08	1.52E-07	2.68E-08	1.82E-08	6.95E-07	3.60E-07	1.53E-07	1.80E-07	7.06E-08	3.60E-07	1.53E-07
2268	495411.06	3859901.99	1.13E-03	1.15E-03	1.09E-03	3.90E-07	1.18E-06	6.82E-07	6.99E-07	6.33E-07	2.89E-07	2.73E-07	1.30E-08	3.15E-07	6.95E-08	9.49E-08	1.51E-07	2.65E-08	1.80E-08	6.87E-07	3.56E-07	1.51E-07	1.78E-07	6.98E-08	3.56E-07	1.51E-07
2269	495461.06	3859901.99	1.12E-03	1.14E-03	1.08E-03	3.86E-07	1.17E-06	6.75E-07	6.91E-07	6.27E-07	2.86E-07	2.70E-07	1.29E-08	3.12E-07	6.87E-08	9.39E-08	1.49E-07	2.62E-08	1.78E-08	6.80E-07	3.52E-07	1.49E-07	1.76E-07	6.91E-08	3.52E-07	1.49E-07
2270	495511.06	3859901.99	1.11E-03	1.13E-03	1.07E-03	3.83E-07	1.16E-06	6.70E-07	6.86E-07	6.22E-07	2.84E-07	2.68E-07	1.28E-08	3.09E-07	6.82E-08	9.31E-08	1.48E-07	2.60E-08	1.77E-08	6.75E-07	3.49E-07	1.48E-07	1.74E-07	6.85E-08	3.49E-07	1.48E-07
2271	495561.06	3859901.99	1.10E-03	1.13E-03	1.06E-03	3.81E-07	1.15E-06	6.65E-07	6.81E-07	6.18E-07	2.82E-07	2.66E-07	1.27E-08	3.07E-07	6.77E-08	9.25E-08	1.47E-07	2.59E-08	1.75E-08	6.70E-07	3.47E-07	1.47E-07	1.73E-07	6.80E-08	3.47E-07	1.47E-07
2272	495611.06	3859901.99	1.09E-03	1.11E-03	1.05E-03	3.77E-07	1.14E-06	6.58E-07	6.74E-07	6.11E-07	2.79E-07	2.63E-07	1.26E-08	3.04E-07	6.70E-08	9.15E-08	1.45E-07	2.56E-08	1.73E-08	6.63E-07	3.43E-07	1.46E-07	1.71E-07	6.73E-08	3.43E-07	1.46E-07
2273	495661.06	3859901.99	1.08E-03	1.10E-03	1.04E-03	3.72E-07	1.12E-06	6.51E-07	6.67E-07	6.04E-07	2.76E-07	2.60E-07	1.24E-08	3.00E-07	6.63E-08	9.05E-08	1.44E-07	2.53E-08	1.72E-08	6.56E-07	3.40E-07	1.44E-07	1.69E-07	6.66E-08	3.40E-07	1.44E-07
2274	494311.06	3859951.99	1.44E-03	1.48E-03	1.39E-03	5.00E-07	1.51E-06	8.73E-07	8.95E-07	8.11E-07	3.70E-07	3.49E-07	1.67E-08	4.03E-07	8.89E-08	1.21E-07	1.93E-07	3.40E-08	2.30E-08	8.80E-07	4.56E-07	1.93E-07	2.27E-07	8.93E-08	4.56E-07	1.93E-07
2275	494361.06	3859951.99	1.42E-03	1.46E-03	1.37E-03	4.92E-07	1.49E-06	8.60E-07	8.81E-07	7.98E-07	3.64E-07	3.44E-07	1.64E-08	3.97E-07	8.76E-08	1.20E-07	1.90E-07	3.34E-08	2.27E-08	8.66E-07	4.49E-07	1.90E-07	2.24E-07	8.80E-08	4.49E-07	1.90E-07
2276	494411.06	3859951.99	1.40E-03	1.44E-03	1.36E-03	4.86E-07	1.47E-06	8.49E-07	8.70E-07	7.88E-07	3.60E-07	3.39E-07	1.62E-08	3.92E-07	8.65E-08	1.18E-07	1.87E-07	3.30E-08	2.24E-08	8.55E-07	4.43E-07	1.88E-07	2.21E-07	8.69E-08	4.43E-07	1.88E-07
2277	494461.06	3859951.99	1.39E-03	1.42E-03	1.34E-03	4.80E-07	1.45E-06	8.39E-07	8.60E-07	7.79E-07	3.56E-07	3.35E-07	1.60E-08	3.87E-07	8.55E-08	1.17E-07	1.85E-07	3.26E-08	2.21E-08	8.46E-07	4.38E-07	1.86E-07	2.19E-07	8.59E-08	4.38E-07	1.86E-07
2278	494511.06	3859951.99	1.38E-03	1.41E-03	1.33E-03	4.77E-07	1.44E-06	8.33E-07	8.53E-07	7.74E-07	3.53E-07	3.33E-07	1.59E-08	3.84E-07	8.48E-08	1.16E-07	1.84E-07	3.24E-08	2.20E-08	8.39E-07	4.35E-07	1.84E-07	2.17E-07	8.52E-08	4.35E-07	1.84E-07
2279	494561.06	3859951.99	1.38E-03	1.42E-03	1.34E-03	4.79E-07	1.45E-06	8.37E-07	8.57E-07	7.77E-07	3.54E-07	3.34E-07	1.60E-08	3.86E-07	8.52E-08	1.16E-07	1.85E-07	3.25E-08	2.21E-08	8.43E-07	4.36E-07	1.85E-07	2.18E-07	8.56E-08	4.36E-07	1.85E-07
2280	494611.06	3859951.99	1.35E-03	1.39E-03	1.31E-03	4.68E-07	1.41E-06	8.19E-07	8.39E-07	7.60E-07	3.47E-07	3.27E-07	1.56E-08	3.78E-07	8.34E-08	1.14E-07	1.81E-07	3.18E-08	2.16E-08	8.25E-07	4.27E-07	1.81E-07	2.13E-07	8.38E-08	4.27E-07	1.81E-07
2281	494661.06	3859951.99	1.35E-03	1.38E-03	1.31E-03	4.68E-07	1.41E-06	8.18E-07	8.38E-07	7.59E-07	3.47E-07	3.27E-07	1.56E-08	3.77E-07	8.33E-08	1.14E-07	1.80E-07	3.18E-08	2.16E-08	8.24E-07	4.27E-07	1.81E-07	2.13E-07	8.37E-08	4.27E-07	1.81E-07
2282	494711.06	3859951.99	1.33E-03	1.36E-03	1.28E-03	4.59E-07	1.39E-06	8.02E-07	8.21E-07	7.45E-07	3.40E-07	3.20E-07	1.53E-08	3.70E-07	8.17E-08	1.12E-07	1.77E-07	3.12E-08	2.11E-08	8.08E-07	4.18E-07	1.77E-07	2.09E-07	8.20E-08	4.18E-07	1.77E-07
2283	494761.06	3859951.99	1.32E-03	1.35E-03	1.27E-03	4.56E-07	1.38E-06	7.97E-07	8.16E-07	7.40E-07	3.37E-07	3.18E-07	1.52E-08	3.68E-07	8.11E-08	1.11E-07	1.76E-07	3.10E-08	2.10E-08	8.02E-07	4.16E-07	1.76E-07	2.07E-07	8.15E-08	4.16E-07	1.76E-07
2284	494811.06	3859951.99	1.30E-03	1.34E-03	1.26E-03	4.52E-07	1.36E-06	7.89E-07	8.09E-07	7.33E-07	3.34E-07	3.15E-07	1.51E-08	3.64E-07	8.04E-08	1.10E-07	1.74E-07	3.07E-08	2.08E-08	7.95E-07	4.12E-07	1.75E-07	2.06E-07	8.07E-08	4.12E-07	1.75E-07
2285	494861.06	3859951.99	1.30E-03	1.33E-03	1.25E-03	4.50E-07	1.36E-06	7.86E-07	8.05E-07	7.30E-07	3.33E-07	3.14E-07	1.50E-08	3.63E-07	8.00E-08	1.09E-07	1.73E-07	3.06E-08	2.07E-08	7.92E-07	4.10E-07	1.74E-07	2.05E-07	8.04E-08	4.10E-07	1.74E-07
2286	494911.06	3859951.99	1.28E-03	1.31E-03	1.24E-03	4.43E-07	1.34E-06	7.75E-07	7.94E-07	7.20E-07	3.28E-07	3.10E-07	1.48E-08	3.58E-07	7.89E-08	1.08E-07	1.71E-07	3.01E-08	2.04E-08	7.81E-07	4.04E-07	1.72E-07	2.02E-07	7.93E-08	4.04E-07	1.72E-07
2287	494961.06	3859951.99	1.27E-03	1.30E-03	1.22E-03	4.38E-07	1.32E-06	7.66E-07	7.85E-07	7.11E-07	3.25E-07	3.06E-07	1.46E-08	3.54E-07	7.80E-08	1.07E-07	1.69E-07	2.98E-08	2.02E-08	7.72E-07	4.00E-07	1.70E-07	1.99E-07	7.84E-08	4.00E-07	1.70E-07
2288	495011.06	3859951.99	1.25E-03	1.28E-03	1.21E-03	4.34E-07	1.31E-06	7.58E-07	7.77E-07	7.04E-07	3.21E-07	3.03E-07	1.45E-08	3.50E-07	7.72E-08	1.05E-07	1.67E-07	2.95E-08	2.00E-08	7.64E-07	3.95E-07	1.68E-07	1.97E-07	7.75E-08	3.95E-07	1.68E-07
2289	495061.06	3859951.99	1.24E-03	1.27E-03	1.20E-03	4.30E-07	1.30E-06	7.51E-07	7.69E-07	6.97E-07	3.18E-07	3.00E-07	1.43E-08	3.47E-07	7.65E-08	1.04E-07	1.66E-07	2.92E-08	1.98E-08	7.56E-07	3.92E-07	1.66E-07	1.96E-07	7.68E-08	3.92E-07	1.66E-07
2290	495111.06	3859951.99	1.22E-03	1.25E-03	1.18E-03	4.24E-07	1.28E-06	7.41E-07	7.59E-07	6.88E-07	3.14E-07	2.96E-07	1.42E-08	3.42E-07	7.55E-08	1.03E-07	1.64E-07	2.88E-08	1.95E-08	7.47E-07	3.87E-07	1.64E-07	1.93E-07	7.58E-08	3.87E-07	1.64E-07
2291	495161.06	3859951.99	1.21E-03	1.24E-03	1.17E-03	4.19E-07	1.26E-06	7.32E-07	7.50E-07	6.80E-07	3.10E-07	2.93E-07	1.40E-08	3.38E-07	7.46E-08	1.02E-07	1.62E-07	2.85E-08	1.93E-08	7.38E-07	3.82E-07	1.62E-07	1.91E-07	7.49E-08	3.82E-07	1.62E-07
2292	495211.06	3859951.99	1.20E-03	1.23E-03	1.16E-03	4.14E-07	1.25E-06	7.24E-07	7.42E-07	6.72E-07	3.07E-07	2.89E-07	1.38E-08	3.34E-07	7.37E-08	1.01E-07	1.60E-07	2.82E-08	1.91E-08	7.30E-07	3.78E-07	1.60E-07	1.89E-07	7.41E-08	3.78E-07	1.60E-07
2293	495261.06	3859951.99	1.19E-03	1.21E-03	1.14E-03	4.10E-07	1.24E-06	7.17E-07	7.34E-07	6.66E-07	3.04E-07	2.87E-07	1.37E-08	3.31E-07	7.30E-08	9.97E-08	1.58E-07	2.79E-08	1.89E-08	7.22E-07	3.74E-07	1.59E-07	1.87E-07	7.33E-08	3.74E-07	1.59E-07
2294	495311.06	3859951.99	1.18E-03	1.21E-03	1.14E-03	4.08E-07	1.23E-06	7.14E-07	7.31E-07	6.62E-07	3.02E-07	2.85E-07	1.36E-08	3.29E-07	7.27E-08	9.92E-08	1.57E-07	2.77E-08	1.88E-08	7.19E-07	3.72E-07	1.58E-07	1.86E-07	7.30E-08	3.72E-07	1.58E-07
2295	495361.06	3859951.99	1.17E-03	1.20E-03	1.13E-03	4.05E-07	1.22E-06	7.07E-07	7.24E-07	6.57E-07	3.00E-07	2.83E-07	1.35E-08	3.26E-07	7.20E-08	9.84E-08	1.56E-07	2.75E-08	1.86E-08	7.12E-07	3.69E-07	1.57E-07	1.84E-07	7.23E-08	3.69E-07	1.57E-07
2296	495411.06	3859951.99	1.16E-03	1.18E-03	1.12E-03	4.00E-07	1.21E-06	6.99E-07	7.16E-07	6.49E-07	2.96E-07	2.79E-07	1.34E-08	3.23E-07	7.12E-08	9.72E-08	1.54E-07	2.72E-08	1.84E-08	7.04E-07	3.65E-07	1.55E-07	1.82E-07	7.15E-08	3.65E-07	1.55E-07
2297	495461.06	3859951.99	1.14E-03	1.17E-03	1.11E-03	3.96E-07	1.20E-06	6.92E-07	7.09E-07	6.43E-07	2.93E-07	2.77E-07	1.32E-08	3.19E-07	7.05E-08	9.62E-08	1.53E-07	2.69E-08	1.82E-08	6.97E-07	3.61E-07	1.53E-07	1.80E-07	7.08E-08	3.61E-07	1.53E-07
2298	495511.06	3859951.99	1.13E-03	1.16E-03	1.09E-03	3.92E-07	1.18E-06	6.85E-07	7.02E-07	6.36E-07	2.90E-07	2.74E-07	1.31E-08	3.16E-07	6.97E-08	9.52E-08	1.51E-07	2.66E-08	1.81E-08	6.90E-07	3.57E-07	1.52E-07	1.78E-07	7.01E-08	3.57E-07	1.52E-07
2299	495561.06	3859951.99	1.13E-03	1.15E-03	1.09E-03	3.90E-07	1.18E-06	6.82E-07	6.99E-07	6.33E-07	2.89E-07	2.73E-07	1.30E-08	3.15E-07	6.95E-08	9.49E-08	1.51E-07	2.65E-08	1.80E-08	6.87E-07	3.56E-07	1.51E-07	1.78E-07	6.98E-08	3.56E-07	1.51E-07
2300	495611.06	3859951.99	1.11E-03	1.14E-03	1.08E-03	3.86E-07	1.16E-06	6.74E-07	6.91E-07	6.26E-07	2.86E-07	2.69E-07	1.29E-08	3.11E-07	6.87E-08	9.38E-08	1.49E-07	2.62E-08	1.78E-08	6.79E-07	3.52E-07	1.49E-07	1.76E-07	6.90E-08	3.52E-07	1.49E-07
2301	495661.06	3859951.99	1.10E-03	1.13E-03	1.06E-03	3.81E-07	1.15E-06	6.66E-07	6.82E-07	6.19E-07	2.82E-07	2.66E-07	1.27E-08	3.07E-07	6.78E-08	9.26E-08	1.47E-07	2.59E-08	1.76E-08	6.71E-07	3.47E-07	1.47E-07	1.73E-07	6.81E-08	3.47E-07	1.47E-07
2302	494311.06	3860001.99	1.48E-03	1.51E-03	1.43E-03	5.12E-07	1.55E-06	8.95E-07	9.16E-07	8.31E-07	3.79E-07	3.58E-07	1.71E-08	4.13E-07	9.11E-08	1.24E-07	1.97E-07	3.48E-08	2.36E-08	9.01E-07	4.67E-07	1.98E-07	2.33E-07	9.15E-08	4.67E-07	1.98E-07
2303	494361.06	3860001.99	1.46E-03	1.50E-03	1.41E-03	5.06E-07	1.53E-06	8.84E-07	9.05E-07	8.21E-07	3.75E-07	3.53E-07	1.69E-08	4.08E-07	9.00E-08	1.23E-07	1.95E-07	3.44E-08	2.33E-08	8.91E-07	4.61E-07	1.96E-07	2.30E-07	9.04E-08	4.61E-07	1.96E-07

2304	494411.06	3860001.99	1.44E-03	1.47E-03	1.39E-03	4.97E-07	1.50E-06	8.69E-07	8.90E-07	8.07E-07	3.68E-07	3.47E-07	1.66E-08	4.01E-07	8.85E-08	1.21E-07	1.92E-07	3.38E-08	2.29E-08	8.75E-07	4.53E-07	1.92E-07	2.26E-07	8.89E-08	4.53E-07	1.92E-07
2305	494461.06	3860001.99	1.42E-03	1.46E-03	1.38E-03	4.93E-07	1.49E-06	8.62E-07	8.83E-07	8.00E-07	3.65E-07	3.44E-07	1.65E-08	3.98E-07	8.78E-08	1.20E-07	1.90E-07	3.35E-08	2.27E-08	8.68E-07	4.50E-07	1.91E-07	2.24E-07	8.81E-08	4.50E-07	1.91E-07
2306	494511.06	3860001.99	1.41E-03	1.44E-03	1.36E-03	4.86E-07	1.47E-06	8.50E-07	8.71E-07	7.89E-07	3.60E-07	3.40E-07	1.62E-08	3.92E-07	8.66E-08	1.18E-07	1.88E-07	3.31E-08	2.24E-08	8.56E-07	4.43E-07	1.88E-07	2.21E-07	8.70E-08	4.43E-07	1.88E-07
2307	494561.06	3860001.99	1.42E-03	1.45E-03	1.37E-03	4.91E-07	1.48E-06	8.58E-07	8.79E-07	7.97E-07	3.64E-07	3.43E-07	1.64E-08	3.96E-07	8.74E-08	1.19E-07	1.89E-07	3.34E-08	2.26E-08	8.64E-07	4.48E-07	1.90E-07	2.23E-07	8.78E-08	4.48E-07	1.90E-07
2308	494611.06	3860001.99	1.40E-03	1.43E-03	1.35E-03	4.84E-07	1.46E-06	8.46E-07	8.66E-07	7.85E-07	3.58E-07	3.38E-07	1.62E-08	3.90E-07	8.61E-08	1.18E-07	1.87E-07	3.29E-08	2.23E-08	8.52E-07	4.41E-07	1.87E-07	2.20E-07	8.65E-08	4.41E-07	1.87E-07
2309	494661.06	3860001.99	1.39E-03	1.42E-03	1.34E-03	4.80E-07	1.45E-06	8.39E-07	8.60E-07	7.79E-07	3.56E-07	3.35E-07	1.60E-08	3.87E-07	8.55E-08	1.17E-07	1.85E-07	3.26E-08	2.21E-08	8.46E-07	4.38E-07	1.86E-07	2.19E-07	8.59E-08	4.38E-07	1.86E-07
2310	494711.06	3860001.99	1.35E-03	1.38E-03	1.30E-03	4.67E-07	1.41E-06	8.16E-07	8.36E-07	7.58E-07	3.46E-07	3.26E-07	1.56E-08	3.77E-07	8.31E-08	1.14E-07	1.80E-07	3.17E-08	2.15E-08	8.22E-07	4.26E-07	1.81E-07	2.13E-07	8.35E-08	4.26E-07	1.81E-07
2311	494761.06	3860001.99	1.35E-03	1.38E-03	1.30E-03	4.67E-07	1.41E-06	8.17E-07	8.37E-07	7.59E-07	3.46E-07	3.27E-07	1.56E-08	3.77E-07	8.32E-08	1.14E-07	1.80E-07	3.18E-08	2.15E-08	8.23E-07	4.26E-07	1.81E-07	2.13E-07	8.36E-08	4.26E-07	1.81E-07
2312	494811.06	3860001.99	1.34E-03	1.37E-03	1.30E-03	4.64E-07	1.40E-06	8.12E-07	8.31E-07	7.54E-07	3.44E-07	3.24E-07	1.55E-08	3.75E-07	8.27E-08	1.13E-07	1.79E-07	3.16E-08	2.14E-08	8.18E-07	4.23E-07	1.80E-07	2.11E-07	8.30E-08	4.23E-07	1.80E-07
2313	494861.06	3860001.99	1.34E-03	1.37E-03	1.29E-03	4.62E-07	1.40E-06	8.08E-07	8.28E-07	7.50E-07	3.42E-07	3.23E-07	1.54E-08	3.73E-07	8.23E-08	1.12E-07	1.78E-07	3.14E-08	2.13E-08	8.14E-07	4.22E-07	1.79E-07	2.10E-07	8.27E-08	4.22E-07	1.79E-07
2314	494911.06	3860001.99	1.30E-03	1.33E-03	1.26E-03	4.51E-07	1.36E-06	7.88E-07	8.07E-07	7.31E-07	3.34E-07	3.15E-07	1.50E-08	3.63E-07	8.02E-08	1.10E-07	1.74E-07	3.06E-08	2.08E-08	7.93E-07	4.11E-07	1.74E-07	2.05E-07	8.06E-08	4.11E-07	1.74E-07
2315	494961.06	3860001.99	1.29E-03	1.33E-03	1.25E-03	4.48E-07	1.35E-06	7.83E-07	8.02E-07	7.27E-07	3.32E-07	3.13E-07	1.50E-08	3.61E-07	7.97E-08	1.09E-07	1.73E-07	3.04E-08	2.06E-08	7.89E-07	4.09E-07	1.73E-07	2.04E-07	8.01E-08	4.09E-07	1.73E-07
2316	495011.06	3860001.99	1.28E-03	1.31E-03	1.24E-03	4.43E-07	1.34E-06	7.74E-07	7.93E-07	7.19E-07	3.28E-07	3.09E-07	1.48E-08	3.57E-07	7.88E-08	1.08E-07	1.71E-07	3.01E-08	2.04E-08	7.80E-07	4.04E-07	1.71E-07	2.02E-07	7.92E-08	4.04E-07	1.71E-07
2317	495061.06	3860001.99	1.27E-03	1.30E-03	1.23E-03	4.40E-07	1.33E-06	7.70E-07	7.88E-07	7.15E-07	3.26E-07	3.08E-07	1.47E-08	3.55E-07	7.84E-08	1.07E-07	1.70E-07	2.99E-08	2.03E-08	7.75E-07	4.02E-07	1.70E-07	2.00E-07	7.87E-08	4.02E-07	1.70E-07
2318	495111.06	3860001.99	1.26E-03	1.29E-03	1.21E-03	4.35E-07	1.31E-06	7.60E-07	7.78E-07	7.06E-07	3.22E-07	3.04E-07	1.45E-08	3.51E-07	7.74E-08	1.06E-07	1.68E-07	2.95E-08	2.00E-08	7.65E-07	3.96E-07	1.68E-07	1.98E-07	7.77E-08	3.96E-07	1.68E-07
2319	495161.06	3860001.99	1.24E-03	1.27E-03	1.20E-03	4.30E-07	1.30E-06	7.51E-07	7.69E-07	6.97E-07	3.18E-07	3.00E-07	1.43E-08	3.47E-07	7.65E-08	1.04E-07	1.66E-07	2.92E-08	1.98E-08	7.56E-07	3.92E-07	1.66E-07	1.96E-07	7.68E-08	3.92E-07	1.66E-07
2320	495211.06	3860001.99	1.23E-03	1.26E-03	1.19E-03	4.27E-07	1.29E-06	7.47E-07	7.65E-07	6.93E-07	3.16E-07	2.98E-07	1.43E-08	3.45E-07	7.60E-08	1.04E-07	1.65E-07	2.90E-08	1.97E-08	7.52E-07	3.89E-07	1.65E-07	1.94E-07	7.64E-08	3.89E-07	1.65E-07
2321	495261.06	3860001.99	1.22E-03	1.25E-03	1.18E-03	4.23E-07	1.28E-06	7.39E-07	7.56E-07	6.86E-07	3.13E-07	2.95E-07	1.41E-08	3.41E-07	7.52E-08	1.03E-07	1.63E-07	2.87E-08	1.95E-08	7.44E-07	3.85E-07	1.63E-07	1.92E-07	7.55E-08	3.85E-07	1.63E-07
2322	495311.06	3860001.99	1.21E-03	1.24E-03	1.17E-03	4.19E-07	1.26E-06	7.32E-07	7.50E-07	6.80E-07	3.10E-07	2.93E-07	1.40E-08	3.38E-07	7.46E-08	1.02E-07	1.62E-07	2.85E-08	1.93E-08	7.38E-07	3.82E-07	1.62E-07	1.91E-07	7.49E-08	3.82E-07	1.62E-07
2323	495361.06	3860001.99	1.19E-03	1.22E-03	1.15E-03	4.12E-07	1.24E-06	7.21E-07	7.38E-07	6.69E-07	3.05E-07	2.88E-07	1.38E-08	3.33E-07	7.34E-08	1.00E-07	1.59E-07	2.80E-08	1.90E-08	7.26E-07	3.76E-07	1.59E-07	1.88E-07	7.37E-08	3.76E-07	1.59E-07
2324	495411.06	3860001.99	1.19E-03	1.22E-03	1.15E-03	4.11E-07	1.24E-06	7.18E-07	7.35E-07	6.67E-07	3.04E-07	2.87E-07	1.37E-08	3.31E-07	7.31E-08	9.98E-08	1.58E-07	2.79E-08	1.89E-08	7.23E-07	3.75E-07	1.59E-07	1.87E-07	7.34E-08	3.75E-07	1.59E-07
2325	495461.06	3860001.99	1.17E-03	1.20E-03	1.13E-03	4.07E-07	1.23E-06	7.11E-07	7.28E-07	6.60E-07	3.01E-07	2.84E-07	1.36E-08	3.28E-07	7.24E-08	9.88E-08	1.57E-07	2.76E-08	1.87E-08	7.16E-07	3.71E-07	1.57E-07	1.85E-07	7.27E-08	3.71E-07	1.57E-07
2326	495511.06	3860001.99	1.16E-03	1.19E-03	1.12E-03	4.03E-07	1.22E-06	7.04E-07	7.21E-07	6.53E-07	2.98E-07	2.81E-07	1.34E-08	3.25E-07	7.17E-08	9.79E-08	1.55E-07	2.74E-08	1.85E-08	7.09E-07	3.67E-07	1.56E-07	1.83E-07	7.20E-08	3.67E-07	1.56E-07
2327	495561.06	3860001.99	1.16E-03	1.19E-03	1.12E-03	4.01E-07	1.21E-06	7.00E-07	7.17E-07	6.50E-07	2.97E-07	2.80E-07	1.34E-08	3.23E-07	7.13E-08	9.74E-08	1.54E-07	2.72E-08	1.85E-08	7.05E-07	3.65E-07	1.55E-07	1.82E-07	7.16E-08	3.65E-07	1.55E-07
2328	495611.06	3860001.99	1.14E-03	1.17E-03	1.11E-03	3.96E-07	1.20E-06	6.92E-07	7.09E-07	6.43E-07	2.93E-07	2.77E-07	1.32E-08	3.19E-07	7.05E-08	9.62E-08	1.53E-07	2.69E-08	1.82E-08	6.97E-07	3.61E-07	1.53E-07	1.80E-07	7.08E-08	3.61E-07	1.53E-07
2329	495661.06	3860001.99	1.13E-03	1.16E-03	1.09E-03	3.91E-07	1.18E-06	6.84E-07	7.01E-07	6.35E-07	2.90E-07	2.73E-07	1.31E-08	3.16E-07	6.97E-08	9.51E-08	1.51E-07	2.66E-08	1.80E-08	6.89E-07	3.57E-07	1.51E-07	1.78E-07	7.00E-08	3.57E-07	1.51E-07
2330	494411.06	3860051.99	1.48E-03	1.51E-03	1.43E-03	5.11E-07	1.54E-06	8.94E-07	9.16E-07	8.30E-07	3.79E-07	3.57E-07	1.71E-08	4.13E-07	9.10E-08	1.24E-07	1.97E-07	3.48E-08	2.36E-08	9.00E-07	4.66E-07	1.98E-07	2.33E-07	9.14E-08	4.66E-07	1.98E-07
2331	494461.06	3860051.99	1.46E-03	1.49E-03	1.41E-03	5.05E-07	1.53E-06	8.83E-07	9.05E-07	8.20E-07	3.74E-07	3.53E-07	1.69E-08	4.08E-07	8.99E-08	1.23E-07	1.95E-07	3.43E-08	2.33E-08	8.90E-07	4.61E-07	1.95E-07	2.30E-07	9.03E-08	4.61E-07	1.95E-07
2332	494511.06	3860051.99	1.44E-03	1.48E-03	1.39E-03	5.00E-07	1.51E-06	8.73E-07	8.95E-07	8.11E-07	3.70E-07	3.49E-07	1.67E-08	4.03E-07	8.89E-08	1.21E-07	1.93E-07	3.40E-08	2.30E-08	8.80E-07	4.56E-07	1.93E-07	2.27E-07	8.93E-08	4.56E-07	1.93E-07
2333	494561.06	3860051.99	1.44E-03	1.48E-03	1.40E-03	5.00E-07	1.51E-06	8.74E-07	8.95E-07	8.12E-07	3.70E-07	3.49E-07	1.67E-08	4.03E-07	8.90E-08	1.22E-07	1.93E-07	3.40E-08	2.30E-08	8.81E-07	4.56E-07	1.93E-07	2.28E-07	8.94E-08	4.56E-07	1.93E-07
2334	494611.06	3860051.99	1.44E-03	1.47E-03	1.39E-03	4.97E-07	1.50E-06	8.69E-07	8.90E-07	8.07E-07	3.68E-07	3.47E-07	1.66E-08	4.01E-07	8.85E-08	1.21E-07	1.92E-07	3.38E-08	2.29E-08	8.75E-07	4.53E-07	1.92E-07	2.26E-07	8.89E-08	4.53E-07	1.92E-07
2335	494661.06	3860051.99	1.42E-03	1.46E-03	1.38E-03	4.93E-07	1.49E-06	8.62E-07	8.83E-07	8.00E-07	3.65E-07	3.44E-07	1.65E-08	3.98E-07	8.78E-08	1.20E-07	1.90E-07	3.35E-08	2.27E-08	8.68E-07	4.50E-07	1.91E-07	2.24E-07	8.81E-08	4.50E-07	1.91E-07
2336	494711.06	3860051.99	1.40E-03	1.43E-03	1.35E-03	4.84E-07	1.46E-06	8.46E-07	8.66E-07	7.85E-07	3.58E-07	3.38E-07	1.62E-08	3.90E-07	8.61E-08	1.18E-07	1.87E-07	3.29E-08	2.23E-08	8.52E-07	4.41E-07	1.87E-07	2.20E-07	8.65E-08	4.41E-07	1.87E-07
2337	494761.06	3860051.99	1.39E-03	1.42E-03	1.34E-03	4.80E-07	1.45E-06	8.39E-07	8.60E-07	7.79E-07	3.56E-07	3.35E-07	1.60E-08	3.87E-07	8.55E-08	1.17E-07	1.85E-07	3.26E-08	2.21E-08	8.46E-07	4.38E-07	1.86E-07	2.19E-07	8.59E-08	4.38E-07	1.86E-07
2338	494811.06	3860051.99	1.38E-03	1.42E-03	1.34E-03	4.79E-07	1.45E-06	8.38E-07	8.58E-07	7.78E-07	3.55E-07	3.35E-07	1.60E-08	3.87E-07	8.53E-08	1.16E-07	1.85E-07	3.26E-08	2.21E-08	8.44E-07	4.37E-07	1.85E-07	2.18E-07	8.57E-08	4.37E-07	1.85E-07
2339	494861.06	3860051.99	1.38E-03	1.41E-03	1.33E-03	4.77E-07	1.44E-06	8.34E-07	8.54E-07	7.74E-07	3.53E-07	3.33E-07	1.59E-08	3.85E-07	8.49E-08	1.16E-07	1.84E-07	3.24E-08	2.20E-08	8.40E-07	4.35E-07	1.85E-07	2.17E-07	8.53E-08	4.35E-07	1.85E-07
2340	494911.06	3860051.99	1.36E-03	1.39E-03	1.31E-03	4.70E-07	1.42E-06	8.22E-07	8.41E-07	7.63E-07	3.48E-07	3.28E-07	1.57E-08	3.79E-07	8.37E-08	1.14E-07	1.81E-07	3.19E-08	2.17E-08	8.28E-07	4.29E-07	1.82E-07	2.14E-07	8.40E-08	4.29E-07	1.82E-07
2341	494961.06	3860051.99	1.34E-03	1.37E-03	1.29E-03	4.63E-07	1.40E-06	8.09E-07	8.29E-07	7.51E-07	3.43E-07	3.23E-07	1.55E-08	3.73E-07	8.24E-08	1.13E-07	1.78E-07	3.15E-08	2.13E-08	8.15E-07	4.22E-07	1.79E-07	2.11E-07	8.28E-08	4.22E-07	1.79E-07
2342	495011.06	3860051.99	1.32E-03	1.35E-03	1.27E-03	4.56E-07	1.38E-06	7.97E-07	8.17E-07	7.40E-07	3.38E-07	3.19E-07	1.52E-08	3.68E-07	8.12E-08	1.11E-07	1.76E-07	3.10E-08	2.10E-08	8.03E-07	4.16E-07	1.76E-07	2.08E-07	8.16E-08	4.16E-07	1.76E-07
2343	495061.06	3860051.99	1.30E-03	1.34E-03	1.26E-03	4.52E-07	1.36E-06	7.89E-07	8.09E-07	7.33E-07	3.34E-07	3.15E-07	1.51E-08	3.64E-07	8.04E-08	1.10E-07	1.74E-07	3.07E-08	2.08E-08	7.95E-07	4.12E-07	1.75E-07	2.06E-07	8.07E-08	4.12E-07	1.75E-07
2344	495111.06	3860051.99	1.29E-03	1.32E-03	1.24E-03	4.45E-07	1.34E-06	7.78E-07	7.97E-07	7.22E-07	3.30E-07	3.11E-07	1.49E-08	3.59E-07	7.92E-08	1.08E-07	1.72E-07	3.02E-08	2.05E-08	7.83E-07	4.06E-07	1.72E-07	2.03E-07	7.96E-08	4.06E-07	1.72E-07
2345	495161.06	3860051.99	1.27E-03	1.30E-03	1.23E-03	4.40E-07	1.33E-06	7.70E-07	7.88E-07	7.15E-07	3.26E-07	3.08E-07	1.47E-08	3.55E-07	7.84E-08	1.07E-07	1.70E-07	2.99E-08	2.03E-08	7.75E-07	4.02E-07	1.70E-07	2.00E-07	7.87E-08	4.02E-07	1.70E-07
2346	495211.06	3860051.99	1.26E-03	1.29E-03	1.21E-03	4.35E-07	1.31E-06	7.61E-07	7.79E-07	7.06E-07	3.22E-07	3.04E-07	1.45E-08	3.51E-07	7.75E-08	1.06E-07	1.68E-07	2.96E-08	2.01E-08	7.66E-07	3.97E-07	1.68E-07	1.98E-07	7.78E-08	3.97E-07	1.68E-07
2347	495261.06	3860051.99	1.25E-03	1.28E-03	1.21E-03	4.32E-07	1.31E-06	7.55E-07	7.74E-07	7.01E-07	3.20E-07	3.02E-07	1.44E-08	3.49E-07	7.69E-08	1.05E-07	1.67E-07	2.94E-08	1.99E-08	7.61E-07	3.94E-07	1.67E-07	1.97E-07	7.73E-08	3.94E-07	1.67E-07
2348	495311.06	3860051.99	1.24E-03	1.27E-03	1.20E-03	4.29E-07	1.30E-06	7.50E-07	7.68E-07	6.96E-07	3.18E-07	3.00E-07	1.43E-08	3.46E-07	7.64E-08	1.04E-07	1.65E-07	2.92E-08	1.98E-08	7.56E-07	3.91E-07	1.66E-07	1.95E-07	7.67E-08	3.91E-07	1.66E-07
2349	495361.06	3860051.99	1.23E-03	1.26E-03	1.19E-03	4.26E-07	1.28E-06	7.44E-07	7.62E-07	6.91E-07	3.15E-07	2.97E-07	1.42E-08	3.43E-07	7.57E-08	1.03E-07	1.64E-07	2.89E-08	1.96E-08	7.49E-07	3.88E-07	1.65E-07	1.94E-07	7.61E-08	3.88E-07	1.65E-07
2350	495411.06	3860051.99	1.22E-03	1.25E-03	1.18E-03	4.22E-07	1.27E-06	7.38E-07	7.55E-07	6.85E-07	3.12E-07	2.95E-07	1.41E-08	3.40E-07	7.51E-08	1.03E-07	1.63E-07	2.87E-08	1.94E-08	7.43E-07	3.85E-07	1.63E-07	1.92E-07	7.54E-08	3.85E-07	1.63E-07
2351	495461.06	3860051.99	1.21E-03	1.23E-03	1.16E-03	4.17E-07	1.26E-06	7.30E-07	7.47E-07	6.77E-07	3.09E-07	2.92E-07	1.39E-08	3.37E-07	7.43E-08	1.01E-07	1.61E-07	2.84E-08	1.92E-08	7.35E-07	3.81E-07	1.61E-07	1.90E-07	7.46E-08	3.81E-07	1.61E-07
2352	495511.06	3860051.99	1.20E-03	1.23E-03	1.16E-03	4.14E-07	1.25E-06	7.24E-07	7.42E-07	6.72E-07	3.07E-07	2.89E-07	1.38E-08	3.34E-07	7.37E-08	1.01E-07	1.60E-07	2.82E-08	1.91E-08	7.30E-07	3.78E-07	1.60E-07	1.89E-07	7.41E-08	3.78E-07	1.60E-07
2353	495561.06	3860051.99	1.19E-03	1.22E-03	1.15E-03	4.11E-07	1.24E-06	7.18E-07	7.35E-07	6.67E-07	3.04E-07	2.87E-07	1.37E-08	3.31E-07	7.31E-08	9.98E-08	1.58E-07	2.79E-08	1.89E-08	7.23E-07	3.75E-07	1.59E-07	1.87E-07	7.34E-08	3.75E-07	1.59E-07
2354	495611.06	3860051.99	1.17E-03	1.20E-03	1.13E-03	4.06E-07	1.23E-06	7.10E-07	7.27E-07	6.59E-07	3.01E-07	2.84E-07	1.36E-08	3.28E-07	7.23E-08	9.87E-08	1.57E-07	2.76E-08	1.87E-08	7.15E-07	3.70E-07	1.57E-07	1.85E-07	7.26E-08	3.70E-07	1.57E-07
2355	495661.06	3860051.99	1.16E-03	1.19E-03	1.12E-03	4.01E-07	1.21E-06	7.01E-07	7.18E-07	6.51E-07	2.97E-07	2.80E-07	1.34E-08	3.23E-07	7.14E-08	9.75E-08	1.55E-07	2.73E-08	1.85E-08	7.06E-07	3.66E-07	1.55E-07	1.83E-07	7.17E-08	3.66E-07	1.55E-07
2356	494411.06	3860101.99	1.50E-03	1.54E-03	1.45E-03	5.20E-07	1.57E-06	9.08E-07	9.30E-07	8.43E-07	3.85E-07	3.63E-07	1.74E-08	4.19E-07	9.25E-08	1.26E-07	2.00E-07	3.53E-08	2.39E-08	9.15E-07	4.74E-07	2.01E-07	2.36E-07	9.29E-08	4.74E-07	2.01E-07
2357	494461.06	3860101.99	1.50E-03	1.54E-03	1.45E-03	5.20E-07	1.57E-06	9.08E-07	9.30E-07	8.43E-07	3.85E-07	3.63E-07	1.74E-08	4.19E-07	9.25E-08	1.26E-07	2.00E-07	3.53E-08	2.39E-08	9.15E-07	4.74E-07	2.01E-07	2.36E-07	9.29E-08	4.74E-07	2.01E-07
2358	494511.06	3860101.99	1.47E-03	1.51E-03	1.42E-03	5.10E-07	1.54E-06	8.92E-07	9.14E-07	8.28E-07	3.78E-07	3.56E-07	1.70E-08	4.12E-07	9.08E-08	1.24E-07	1.97E-07	3.47E-08	2.35E-08	8.99E-07	4.65E-07	1.97E-07	2.32E-07	9.12E-08	4.65E-07	1.97E-07
2359	494561.06	3860101.99	1.47E-03	1.50E-03	1.42E-03	5.08E-07	1.53E-06	8.88E-07	9.09E-07	8.24E-07	3.76E-07	3.55E-07	1.70E-08	4.10E-07	9.04E-08	1.23E-07	1.96E-07	3.45E-08	2.34E-08	8.94E-07	4.63E-07	1.96E-07	2.31E-07	9.08E-08	4.63E-07	1.96E-07
2360	494611.06	3860101.99	1.47E-03	1.50E-03	1.42E-03	5.08E-07	1.53E-06	8.89E-07	9.10E-07	8.25E-07	3.76E-07	3.55E-07	1.70E-08	4.10E-07	9.05E-08	1.24E-07	1.96E-07	3.45E-08	2.34E-08	8.95E-07	4.63E-07	1.97E-07	2.31E-07	9.09E-08	4.63E-07	1.97E-07
2361	494661.06	3860101.99	1.46E-03	1.49E-03	1.41E-03	5.05E-07	1.53E-06	8.83E-07	9.05E-07	8.20E-07	3.74E-07	3.53E-07	1.69E-08	4.08E-07	8.99E-08	1.23E-07	1.95E-07	3.43E-08	2.33E-08	8.90E-07	4.61E-07	1.95E-07	2.30E-07	9.03E-08	4.61E-07	1.95E-07
2362	494711.06	3860101.99	1.43E-03	1.47E-03	1.39E-03	4.97E-07	1.50E-06	8.68E-07	8.89E-07	8.06E-07	3.68E-07	3.47E-07	1.66E-08	4.01E-07	8.84E-08	1.21E-07	1.91E-07	3.37E-08	2.29E-08	8.74E-07	4.53E-07	1.92E-07	2.26E-07	8.88E-08	4.53E-07	1.92E-07
2363	494761.06	3860101.99	1.42E-03	1.46E-03	1.38E-03	4.93E-07	1.49E-06	8.62E-07	8.83E-07	8.00E-07	3.65E-07	3.44E-07	1.65E-08	3.98E-07	8.78E-08	1.20E-07	1.90E-07	3.35E-08	2.27E-08	8.68E-07	4.50E-07	1.91E-07	2.24E-07	8.81E-08	4.50E-07	1.91E-07
2364	494811.06	3860101.99	1.42E-03	1.45E-03	1.37E-03	4.90E-07	1.48E-06	8.56E-07	8.77E-07	7.95E-07	3.63E-07	3.42E-07	1.64E-08	3.95E-07	8.72E-08	1.19E-07	1.89E-07	3.33E-08	2.26E-08	8.63E-07	4.47E-07	1.90E-07	2.23E-07	8.76E-08	4.47E-07	1.90E-07
2365	494861.06	3860101.99	1.42E-03	1.46E-03	1.38E-03	4.93E-07	1.49E-06	8.62E-07	8.83E-07	8.00E-07	3.65E-07	3.44E-07	1.65E-08	3.98E-07	8.78E-08	1.20E-07	1.90E-07	3.35E-08	2.27E-08	8.68E-07	4.50E-07	1.91E-07	2.24E-07	8.81E-08	4.50E-07	1.91E-07
2366	494911.06	3860101.99	1.38E-03	1.41E-03	1.33E-03	4.78E-07	1.44E-06	8.36E-07	8.56E-07	7.76E-07	3.54E-07	3.34E-07	1.60E-08	3.86E-07	8.51E-08	1.16E-07	1.84E-07	3.25E-08	2.20E-08	8.42E-07	4.36E-07	1.85E-07	2.18E-07	8.55E-08	4.36E-07	1.85E-07
2367	494961.06	3860101.99	1.37E-03	1.40E-03	1.32E-03	4.74E-07	1.43E-06	8.29E-07	8.49E-07	7.69E-07	3.51E-07	3.31E-07	1.58E-08	3.82E-07	8.44E-08	1.15E-07	1.83E-07	3.22E-08	2.18E-08	8.35E-07	4.32E-07	1.83E-07	2.16E-07	8.48E-08	4.32E-07	1.83E-07
2368	495011.06	3860101.99	1.35E-03	1.38E-03	1.31E-03	4.68E-07	1.41E-06	8.18E-07	8.38E-07	7.59E-07	3.47E-07	3.27E-07	1.56E-08	3.77E-07	8.33E-08	1.14E-07	1.80E-07	3.18E-08	2.16E-08	8.24E-07	4.27E-07	1.81E-07	2.13E-07	8.37E-08	4.27E-07	1.81E-07
2369	495061.06	3860101.99	1.34E-03	1.37E-03	1.29E-03	4.62E-07	1.40E-06	8.08E-07	8.28E-07	7.50E-07	3.42E-07	3.23E-07	1.54E-08	3.73E-07	8.23E-08	1.12E-07	1.78E-07	3.14E-08	2.13E-08	8.14E-07	4.22E-07	1.79E-07	2.10E-07	8.27E-08	4.22E-07	1.79E-07
2370	495111.06	3860101.99	1.32E-03	1.35E-03	1.27E-03	4.55E-07	1.37E-06	7.96E-07	8.15E-07	7.39E-07	3.37E-07	3.18E-07	1.52E-08	3.67E-07	8.10E-08	1.11E-07	1.76E-07	3.09E-08	2.10E-08	8.01E-07	4.15E-07	1.76E-07	2.07E-07	8.14E-08	4.15E-07	1.76E-07
2371	495161.06	3860101.99	1.31E-03	1.34E-03	1.26E-03	4.52E-07	1.37E-06	7.90E-07	8.09E-07	7.34E-07	3.35E-07	3.16E-07	1.51E-08	3.65E-07	8.05E-08	1.10E-07	1.74E-07	3.07E-08	2.08E-08	7.96E-07	4.12E-07	1.75E-07	2.06E-07	8.08E-08	4.12E-07	1.75E-07
2372	495211.06	3860101.99	1.29E-03	1.32E-03	1.25E-03	4.48E-07	1.35E-06	7.82E-07	8.01E-07	7.26E-07	3.31E-07	3.13E-07	1.49E-08	3.61E-07	7.97E-08	1.09E-07	1.73E-07	3.04E-08	2.06E-08	7.88E-07	4.08E-07	1.73E-07	2.04E-07	8.00E-08	4.08E-07	1.73E-07
2373	495261.06	3860101.99	1.28E-03	1.31E-03	1.24E-03	4.43E-07	1.34E-06	7.75E-07	7.94E-07	7.20E-07	3.28E-07	3.10E-07	1.48E-08	3.58E-07	7.89E-08	1.08E-07	1.71E-07	3.01E-08	2.04E-08	7.81E-07	4.04E-07	1.72E-07	2.02E-07	7.93E-08	4.04E-07	1.72E-07
2374	495311.06	3860101.99	1.27E-03	1.30E-03	1.23E-03	4.39E-07	1.33E-06	7.68E-07	7.87E-07	7.13E-07	3.25E-07	3.07E-07	1.47E-08	3.54E-07	7.82E-08	1.07E-07	1.69E-07	2.99E-08	2.02E-08	7.74E-07	4.01E-07	1.70E-07	2.00E-07	7.86E-08	4.01E-07	1.70E-07
2375	495361.06	3860101.99	1.26E-03	1.29E-03	1.22E-03	4.37E-07	1.32E-06	7.64E-07	7.82E-07	7.09E-07	3.23E-07	3.05E-07	1.46E-08	3.52E-07	7.77E-08	1.06E-07	1.68E-07	2.97E-08	2.01E-08	7.69E-07	3.98E-07	1.69E-07	1.99E-07	7.81E-08	3.98E-07	1.69E-07
2376	495411.06	3860101.99	1.25E-03	1.28E-03	1.21E-03	4.33E-07	1.31E-06	7.56E-07	7.75E-07	7.02E-07	3.20E-07	3.02E-07	1.45E-08	3.49E-07	7.70E-08	1.05E-07	1.67E-07	2.94E-08	1.99E-08	7.62E-07	3.95E-07	1.67E-07	1.97E-07	7.74E-08	3.95E-07	1.67E-07
2377	495461.06	3860101.99	1.23E-03	1.26E-03	1.19E-03	4.27E-07	1.29E-06	7.46E-07	7.64E-07	6.92E-07	3.16E-07	2.98E-07	1.42E-08	3.44E-07	7.59E-08	1.04E-07	1.64E-07	2.90E-08	1.97E-08	7.51E-07	3.89E-07	1.65E-07	1.94E-07	7.63E-08	3.89E-07	1.65E-07
2378	495511.06	3860101.99	1.22E-03	1.25E-03	1.18E-03	4.24E-07	1.28E-06	7.41E-07	7.59E-07	6.88E-07	3.14E-07	2.96E-07	1.42E-08	3.42E-07	7.55E-08	1.03E-07	1.64E-07	2.88E-08	1.95E-08	7.47E-07	3.87E-07	1.64E-07	1.93E-07	7.58E-08	3.87E-07	1.64E-07
2379	495561.06	3860101.99	1.22E-03	1.25E-03	1.18E-03	4.21E-07	1.27E-06	7.37E-07	7.55E-07	6.84E-07	3.12E-07	2.94E-07	1.41E-08	3.40E-07	7.50E-08	1.02E-07	1.63E-07	2.86E-08	1.94E-08	7.42E-07	3.84E-07	1.63E-07	1.92E-07	7.54E-08	3.84E-07	1.63E-07
2380	495611.06	3860101.99	1.20E-03	1.23E-03	1.16E-03	4.16E-07	1.26E-06	7.27E-07	7.45E-07	6.75E-07	3.08E-07	2.90E-07	1.39E-08	3.35E-07	7.40E-08	1.01E-07	1.60E-07	2.83E-08	1.92E-08	7.32E-07	3.79E-07	1.61E-07	1.89E-07	7.44E-08	3.79E-07	1.61E-07

2381	495661.06	3860101.99	1.19E-03	1.22E-03	1.15E-03	4.12E-07	1.24E-06	7.21E-07	7.38E-07	6.69E-07	3.05E-07	2.88E-07	1.38E-08	3.33E-07	7.34E-08	1.00E-07	1.59E-07	2.80E-08	1.90E-08	7.26E-07	3.76E-07	1.59E-07	1.88E-07	7.37E-08	3.76E-07	1.59E-07
2382	494861.06	3860151.99	1.47E-03	1.51E-03	1.42E-03	5.10E-07	1.54E-06	8.91E-07	9.13E-07	8.27E-07	3.78E-07	3.56E-07	1.70E-08	4.11E-07	9.08E-08	1.24E-07	1.97E-07	3.46E-08	2.35E-08	8.98E-07	4.65E-07	1.97E-07	2.32E-07	9.12E-08	4.65E-07	1.97E-07
2383	494911.06	3860151.99	1.42E-03	1.46E-03	1.38E-03	4.93E-07	1.49E-06	8.62E-07	8.83E-07	8.00E-07	3.65E-07	3.44E-07	1.65E-08	3.98E-07	8.78E-08	1.20E-07	1.90E-07	3.35E-08	2.27E-08	8.68E-07	4.50E-07	1.91E-07	2.24E-07	8.81E-08	4.50E-07	1.91E-07
2384	494961.06	3860151.99	1.41E-03	1.44E-03	1.36E-03	4.87E-07	1.47E-06	8.51E-07	8.72E-07	7.90E-07	3.61E-07	3.40E-07	1.63E-08	3.93E-07	8.67E-08	1.18E-07	1.88E-07	3.31E-08	2.24E-08	8.57E-07	4.44E-07	1.88E-07	2.22E-07	8.70E-08	4.44E-07	1.88E-07
2385	495011.06	3860151.99	1.39E-03	1.42E-03	1.34E-03	4.80E-07	1.45E-06	8.39E-07	8.60E-07	7.79E-07	3.56E-07	3.35E-07	1.60E-08	3.87E-07	8.55E-08	1.17E-07	1.85E-07	3.26E-08	2.21E-08	8.46E-07	4.38E-07	1.86E-07	2.19E-07	8.59E-08	4.38E-07	1.86E-07
2386	495061.06	3860151.99	1.37E-03	1.40E-03	1.32E-03	4.74E-07	1.43E-06	8.29E-07	8.49E-07	7.69E-07	3.51E-07	3.31E-07	1.58E-08	3.82E-07	8.44E-08	1.15E-07	1.83E-07	3.22E-08	2.18E-08	8.35E-07	4.32E-07	1.83E-07	2.16E-07	8.48E-08	4.32E-07	1.83E-07
2387	495111.06	3860151.99	1.36E-03	1.39E-03	1.31E-03	4.70E-07	1.42E-06	8.21E-07	8.41E-07	7.62E-07	3.48E-07	3.28E-07	1.57E-08	3.79E-07	8.36E-08	1.14E-07	1.81E-07	3.19E-08	2.16E-08	8.27E-07	4.28E-07	1.82E-07	2.14E-07	8.39E-08	4.28E-07	1.82E-07
2388	495161.06	3860151.99	1.34E-03	1.38E-03	1.30E-03	4.65E-07	1.40E-06	8.13E-07	8.32E-07	7.54E-07	3.44E-07	3.25E-07	1.55E-08	3.75E-07	8.27E-08	1.13E-07	1.79E-07	3.16E-08	2.14E-08	8.19E-07	4.24E-07	1.80E-07	2.12E-07	8.31E-08	4.24E-07	1.80E-07
2389	495211.06	3860151.99	1.33E-03	1.36E-03	1.28E-03	4.60E-07	1.39E-06	8.05E-07	8.24E-07	7.47E-07	3.41E-07	3.22E-07	1.54E-08	3.71E-07	8.19E-08	1.12E-07	1.77E-07	3.13E-08	2.12E-08	8.10E-07	4.20E-07	1.78E-07	2.09E-07	8.23E-08	4.20E-07	1.78E-07
2390	495261.06	3860151.99	1.32E-03	1.35E-03	1.27E-03	4.56E-07	1.38E-06	7.97E-07	8.17E-07	7.40E-07	3.38E-07	3.19E-07	1.52E-08	3.68E-07	8.12E-08	1.11E-07	1.76E-07	3.10E-08	2.10E-08	8.03E-07	4.16E-07	1.76E-07	2.08E-07	8.16E-08	4.16E-07	1.76E-07
2391	495311.06	3860151.99	1.31E-03	1.34E-03	1.26E-03	4.52E-07	1.37E-06	7.90E-07	8.09E-07	7.34E-07	3.35E-07	3.16E-07	1.51E-08	3.65E-07	8.05E-08	1.10E-07	1.74E-07	3.07E-08	2.08E-08	7.96E-07	4.12E-07	1.75E-07	2.06E-07	8.08E-08	4.12E-07	1.75E-07
2392	495361.06	3860151.99	1.30E-03	1.33E-03	1.25E-03	4.49E-07	1.35E-06	7.84E-07	8.03E-07	7.28E-07	3.32E-07	3.13E-07	1.50E-08	3.62E-07	7.98E-08	1.09E-07	1.73E-07	3.05E-08	2.07E-08	7.90E-07	4.09E-07	1.74E-07	2.04E-07	8.02E-08	4.09E-07	1.74E-07
2393	495411.06	3860151.99	1.28E-03	1.32E-03	1.24E-03	4.44E-07	1.34E-06	7.77E-07	7.96E-07	7.21E-07	3.29E-07	3.10E-07	1.48E-08	3.59E-07	7.91E-08	1.08E-07	1.71E-07	3.02E-08	2.05E-08	7.83E-07	4.05E-07	1.72E-07	2.02E-07	7.95E-08	4.05E-07	1.72E-07
2394	495461.06	3860151.99	1.27E-03	1.30E-03	1.23E-03	4.40E-07	1.33E-06	7.70E-07	7.88E-07	7.15E-07	3.26E-07	3.08E-07	1.47E-08	3.55E-07	7.84E-08	1.07E-07	1.70E-07	2.99E-08	2.03E-08	7.75E-07	4.02E-07	1.70E-07	2.00E-07	7.87E-08	4.02E-07	1.70E-07
2395	495511.06	3860151.99	1.26E-03	1.29E-03	1.21E-03	4.35E-07	1.31E-06	7.61E-07	7.79E-07	7.06E-07	3.22E-07	3.04E-07	1.45E-08	3.51E-07	7.75E-08	1.06E-07	1.68E-07	2.96E-08	2.01E-08	7.66E-07	3.97E-07	1.68E-07	1.98E-07	7.78E-08	3.97E-07	1.68E-07
2396	495561.06	3860151.99	1.25E-03	1.28E-03	1.21E-03	4.32E-07	1.31E-06	7.55E-07	7.74E-07	7.01E-07	3.20E-07	3.02E-07	1.44E-08	3.49E-07	7.69E-08	1.05E-07	1.67E-07	2.94E-08	1.99E-08	7.61E-07	3.94E-07	1.67E-07	1.97E-07	7.73E-08	3.94E-07	1.67E-07
2397	495611.06	3860151.99	1.24E-03	1.27E-03	1.19E-03	4.28E-07	1.29E-06	7.47E-07	7.66E-07	6.94E-07	3.17E-07	2.99E-07	1.43E-08	3.45E-07	7.61E-08	1.04E-07	1.65E-07	2.91E-08	1.97E-08	7.53E-07	3.90E-07	1.65E-07	1.95E-07	7.65E-08	3.90E-07	1.65E-07
2398	495661.06	3860151.99	1.22E-03	1.25E-03	1.18E-03	4.23E-07	1.28E-06	7.39E-07	7.56E-07	6.86E-07	3.13E-07	2.95E-07	1.41E-08	3.41E-07	7.52E-08	1.03E-07	1.63E-07	2.87E-08	1.95E-08	7.44E-07	3.85E-07	1.63E-07	1.92E-07	7.55E-08	3.85E-07	1.63E-07
2399	495718.25	3859442.96	8.56E-04	8.77E-04	8.27E-04	2.96E-07	8.95E-07	5.18E-07	5.30E-07	4.81E-07	2.19E-07	2.07E-07	9.89E-09	2.39E-07	5.27E-08	7.20E-08	1.14E-07	2.01E-08	1.37E-08	5.22E-07	2.70E-07	1.15E-07	1.35E-07	5.30E-08	2.70E-07	1.15E-07
2400	495818.25	3859442.96	8.40E-04	8.60E-04	8.11E-04	2.91E-07	8.78E-07	5.08E-07	5.20E-07	4.72E-07	2.15E-07	2.03E-07	9.71E-09	2.34E-07	5.17E-08	7.07E-08	1.12E-07	1.98E-08	1.34E-08	5.12E-07	2.65E-07	1.12E-07	1.32E-07	5.20E-08	2.65E-07	1.12E-07
2401	495918.25	3859442.96	8.28E-04	8.48E-04	8.00E-04	2.87E-07	8.65E-07	5.01E-07	5.13E-07	4.65E-07	2.12E-07	2.00E-07	9.57E-09	2.31E-07	5.10E-08	6.97E-08	1.11E-07	1.95E-08	1.32E-08	5.05E-07	2.61E-07	1.11E-07	1.30E-07	5.12E-08	2.61E-07	1.11E-07
2402	496018.25	3859442.96	8.18E-04	8.37E-04	7.90E-04	2.83E-07	8.55E-07	4.95E-07	5.07E-07	4.59E-07	2.10E-07	1.98E-07	9.45E-09	2.28E-07	5.04E-08	6.88E-08	1.09E-07	1.92E-08	1.30E-08	4.98E-07	2.58E-07	1.09E-07	1.29E-07	5.06E-08	2.58E-07	1.09E-07
2403	496118.25	3859442.96	8.18E-04	8.37E-04	7.90E-04	2.83E-07	8.55E-07	4.95E-07	5.07E-07	4.59E-07	2.10E-07	1.98E-07	9.45E-09	2.28E-07	5.04E-08	6.88E-08	1.09E-07	1.92E-08	1.30E-08	4.98E-07	2.58E-07	1.09E-07	1.29E-07	5.06E-08	2.58E-07	1.09E-07
2404	496218.25	3859442.96	8.15E-04	8.34E-04	7.87E-04	2.82E-07	8.52E-07	4.93E-07	5.05E-07	4.58E-07	2.09E-07	1.97E-07	9.42E-09	2.27E-07	5.02E-08	6.85E-08	1.09E-07	1.92E-08	1.30E-08	4.97E-07	2.57E-07	1.09E-07	1.28E-07	5.04E-08	2.57E-07	1.09E-07
2405	496318.25	3859442.96	8.07E-04	8.27E-04	7.80E-04	2.79E-07	8.44E-07	4.88E-07	5.00E-07	4.54E-07	2.07E-07	1.95E-07	9.33E-09	2.25E-07	4.97E-08	6.79E-08	1.08E-07	1.90E-08	1.29E-08	4.92E-07	2.55E-07	1.08E-07	1.27E-07	5.00E-08	2.55E-07	1.08E-07
2406	496418.25	3859442.96	7.97E-04	8.16E-04	7.70E-04	2.76E-07	8.33E-07	4.82E-07	4.94E-07	4.48E-07	2.04E-07	1.93E-07	9.21E-09	2.23E-07	4.91E-08	6.71E-08	1.06E-07	1.87E-08	1.27E-08	4.86E-07	2.52E-07	1.07E-07	1.26E-07	4.93E-08	2.52E-07	1.07E-07
2407	495718.25	3859542.96	8.96E-04	9.18E-04	8.65E-04	3.10E-07	9.36E-07	5.42E-07	5.55E-07	5.03E-07	2.30E-07	2.17E-07	1.04E-08	2.50E-07	5.52E-08	7.54E-08	1.20E-07	2.11E-08	1.43E-08	5.46E-07	2.83E-07	1.20E-07	1.41E-07	5.54E-08	2.83E-07	1.20E-07
2408	495818.25	3859542.96	8.83E-04	9.04E-04	8.53E-04	3.06E-07	9.22E-07	5.34E-07	5.47E-07	4.96E-07	2.26E-07	2.13E-07	1.02E-08	2.46E-07	5.44E-08	7.43E-08	1.18E-07	2.08E-08	1.41E-08	5.38E-07	2.79E-07	1.18E-07	1.39E-07	5.46E-08	2.79E-07	1.18E-07
2409	495918.25	3859542.96	8.66E-04	8.87E-04	8.37E-04	3.00E-07	9.06E-07	5.24E-07	5.37E-07	4.87E-07	2.22E-07	2.09E-07	1.00E-08	2.42E-07	5.34E-08	7.29E-08	1.16E-07	2.04E-08	1.38E-08	5.28E-07	2.73E-07	1.16E-07	1.36E-07	5.36E-08	2.73E-07	1.16E-07
2410	496018.25	3859542.96	8.53E-04	8.74E-04	8.24E-04	2.95E-07	8.92E-07	5.16E-07	5.29E-07	4.79E-07	2.19E-07	2.06E-07	9.86E-09	2.38E-07	5.26E-08	7.18E-08	1.14E-07	2.01E-08	1.36E-08	5.20E-07	2.69E-07	1.14E-07	1.34E-07	5.28E-08	2.69E-07	1.14E-07
2411	496118.25	3859542.96	8.53E-04	8.74E-04	8.24E-04	2.95E-07	8.92E-07	5.16E-07	5.29E-07	4.79E-07	2.19E-07	2.06E-07	9.86E-09	2.38E-07	5.26E-08	7.18E-08	1.14E-07	2.01E-08	1.36E-08	5.20E-07	2.69E-07	1.14E-07	1.34E-07	5.28E-08	2.69E-07	1.14E-07
2412	496218.25	3859542.96	8.49E-04	8.69E-04	8.20E-04	2.94E-07	8.87E-07	5.13E-07	5.26E-07	4.77E-07	2.18E-07	2.05E-07	9.81E-09	2.37E-07	5.23E-08	7.14E-08	1.13E-07	2.00E-08	1.35E-08	5.17E-07	2.68E-07	1.14E-07	1.34E-07	5.25E-08	2.68E-07	1.14E-07
2413	496318.25	3859542.96	8.43E-04	8.63E-04	8.14E-04	2.92E-07	8.81E-07	5.10E-07	5.22E-07	4.73E-07	2.16E-07	2.04E-07	9.74E-09	2.35E-07	5.19E-08	7.09E-08	1.12E-07	1.98E-08	1.34E-08	5.14E-07	2.66E-07	1.13E-07	1.33E-07	5.22E-08	2.66E-07	1.13E-07
2414	496418.25	3859542.96	8.31E-04	8.51E-04	8.03E-04	2.88E-07	8.68E-07	5.03E-07	5.15E-07	4.67E-07	2.13E-07	2.01E-07	9.60E-09	2.32E-07	5.12E-08	6.99E-08	1.11E-07	1.95E-08	1.33E-08	5.06E-07	2.62E-07	1.11E-07	1.31E-07	5.14E-08	2.62E-07	1.11E-07
2415	495718.25	3859642.96	9.37E-04	9.60E-04	9.05E-04	3.24E-07	9.80E-07	5.67E-07	5.81E-07	5.26E-07	2.40E-07	2.27E-07	1.08E-08	2.62E-07	5.77E-08	7.89E-08	1.25E-07	2.20E-08	1.49E-08	5.71E-07	2.96E-07	1.25E-07	1.48E-07	5.80E-08	2.96E-07	1.25E-07
2416	495818.25	3859642.96	9.19E-04	9.42E-04	8.88E-04	3.18E-07	9.61E-07	5.56E-07	5.70E-07	5.17E-07	2.36E-07	2.22E-07	1.06E-08	2.57E-07	5.67E-08	7.74E-08	1.23E-07	2.16E-08	1.47E-08	5.60E-07	2.90E-07	1.23E-07	1.45E-07	5.69E-08	2.90E-07	1.23E-07
2417	495918.25	3859642.96	9.08E-04	9.30E-04	8.77E-04	3.14E-07	9.49E-07	5.49E-07	5.63E-07	5.10E-07	2.33E-07	2.19E-07	1.05E-08	2.53E-07	5.59E-08	7.64E-08	1.21E-07	2.14E-08	1.45E-08	5.53E-07	2.86E-07	1.22E-07	1.43E-07	5.62E-08	2.86E-07	1.22E-07
2418	496018.25	3859642.96	8.93E-04	9.15E-04	8.63E-04	3.09E-07	9.33E-07	5.40E-07	5.53E-07	5.02E-07	2.29E-07	2.16E-07	1.03E-08	2.49E-07	5.50E-08	7.51E-08	1.19E-07	2.10E-08	1.42E-08	5.44E-07	2.82E-07	1.20E-07	1.41E-07	5.53E-08	2.82E-07	1.20E-07
2419	496118.25	3859642.96	8.94E-04	9.16E-04	8.64E-04	3.10E-07	9.35E-07	5.41E-07	5.54E-07	5.02E-07	2.29E-07	2.16E-07	1.03E-08	2.50E-07	5.51E-08	7.53E-08	1.19E-07	2.10E-08	1.43E-08	5.45E-07	2.82E-07	1.20E-07	1.41E-07	5.54E-08	2.82E-07	1.20E-07
2420	496218.25	3859642.96	8.91E-04	9.13E-04	8.61E-04	3.09E-07	9.32E-07	5.39E-07	5.52E-07	5.01E-07	2.29E-07	2.16E-07	1.03E-08	2.49E-07	5.49E-08	7.50E-08	1.19E-07	2.10E-08	1.42E-08	5.43E-07	2.81E-07	1.19E-07	1.40E-07	5.52E-08	2.81E-07	1.19E-07
2421	496318.25	3859642.96	8.80E-04	9.01E-04	8.50E-04	3.04E-07	9.19E-07	5.32E-07	5.45E-07	4.94E-07	2.25E-07	2.13E-07	1.02E-08	2.46E-07	5.42E-08	7.40E-08	1.17E-07	2.07E-08	1.40E-08	5.36E-07	2.78E-07	1.18E-07	1.39E-07	5.44E-08	2.78E-07	1.18E-07
2422	496418.25	3859642.96	8.47E-04	8.68E-04	8.18E-04	2.93E-07	8.85E-07	5.13E-07	5.25E-07	4.76E-07	2.17E-07	2.05E-07	9.79E-09	2.37E-07	5.22E-08	7.13E-08	1.13E-07	1.99E-08	1.35E-08	5.16E-07	2.67E-07	1.13E-07	1.33E-07	5.24E-08	2.67E-07	1.13E-07
2423	495718.25	3859742.96	9.87E-04	1.01E-03	9.54E-04	3.42E-07	1.03E-06	5.97E-07	6.12E-07	5.55E-07	2.53E-07	2.39E-07	1.14E-08	2.76E-07	6.08E-08	8.31E-08	1.32E-07	2.32E-08	1.57E-08	6.02E-07	3.12E-07	1.32E-07	1.56E-07	6.11E-08	3.12E-07	1.32E-07
2424	495818.25	3859742.96	9.68E-04	9.92E-04	9.35E-04	3.35E-07	1.01E-06	5.86E-07	6.00E-07	5.44E-07	2.48E-07	2.34E-07	1.12E-08	2.70E-07	5.97E-08	8.15E-08	1.29E-07	2.28E-08	1.54E-08	5.90E-07	3.06E-07	1.30E-07	1.53E-07	5.99E-08	3.06E-07	1.30E-07
2425	495918.25	3859742.96	9.52E-04	9.75E-04	9.20E-04	3.30E-07	9.95E-07	5.76E-07	5.90E-07	5.35E-07	2.44E-07	2.30E-07	1.10E-08	2.66E-07	5.87E-08	8.01E-08	1.27E-07	2.24E-08	1.52E-08	5.80E-07	3.00E-07	1.27E-07	1.50E-07	5.89E-08	3.00E-07	1.27E-07
2426	496018.25	3859742.96	9.36E-04	9.58E-04	9.04E-04	3.24E-07	9.78E-07	5.66E-07	5.80E-07	5.26E-07	2.40E-07	2.26E-07	1.08E-08	2.61E-07	5.77E-08	7.87E-08	1.25E-07	2.20E-08	1.49E-08	5.70E-07	2.95E-07	1.25E-07	1.47E-07	5.79E-08	2.95E-07	1.25E-07
2427	496118.25	3859742.96	9.34E-04	9.57E-04	9.03E-04	3.23E-07	9.76E-07	5.65E-07	5.79E-07	5.25E-07	2.39E-07	2.26E-07	1.08E-08	2.61E-07	5.76E-08	7.86E-08	1.25E-07	2.20E-08	1.49E-08	5.69E-07	2.95E-07	1.25E-07	1.47E-07	5.78E-08	2.95E-07	1.25E-07
2428	496218.25	3859742.96	9.37E-04	9.60E-04	9.05E-04	3.24E-07	9.80E-07	5.67E-07	5.81E-07	5.26E-07	2.40E-07	2.27E-07	1.08E-08	2.62E-07	5.77E-08	7.89E-08	1.25E-07	2.20E-08	1.49E-08	5.71E-07	2.96E-07	1.25E-07	1.48E-07	5.80E-08	2.96E-07	1.25E-07
2429	496318.25	3859742.96	9.05E-04	9.27E-04	8.74E-04	3.13E-07	9.46E-07	5.47E-07	5.61E-07	5.08E-07	2.32E-07	2.19E-07	1.05E-08	2.53E-07	5.57E-08	7.61E-08	1.21E-07	2.13E-08	1.44E-08	5.51E-07	2.86E-07	1.21E-07	1.43E-07	5.60E-08	2.86E-07	1.21E-07
2430	496418.25	3859742.96	8.74E-04	8.95E-04	8.44E-04	3.02E-07	9.13E-07	5.29E-07	5.41E-07	4.91E-07	2.24E-07	2.11E-07	1.01E-08	2.44E-07	5.38E-08	7.35E-08	1.17E-07	2.06E-08	1.39E-08	5.33E-07	2.76E-07	1.17E-07	1.38E-07	5.41E-08	2.76E-07	1.17E-07
2431	495718.25	3859842.96	1.04E-03	1.06E-03	1.00E-03	3.59E-07	1.08E-06	6.28E-07	6.43E-07	5.83E-07	2.66E-07	2.51E-07	1.20E-08	2.90E-07	6.39E-08	8.73E-08	1.38E-07	2.44E-08	1.65E-08	6.32E-07	3.27E-07	1.39E-07	1.63E-07	6.42E-08	3.27E-07	1.39E-07
2432	495818.25	3859842.96	1.02E-03	1.04E-03	9.85E-04	3.53E-07	1.07E-06	6.17E-07	6.32E-07	5.73E-07	2.61E-07	2.47E-07	1.18E-08	2.85E-07	6.28E-08	8.58E-08	1.36E-07	2.40E-08	1.63E-08	6.22E-07	3.22E-07	1.37E-07	1.61E-07	6.31E-08	3.22E-07	1.37E-07
2433	495918.25	3859842.96	1.00E-03	1.03E-03	9.68E-04	3.47E-07	1.05E-06	6.06E-07	6.21E-07	5.63E-07	2.57E-07	2.42E-07	1.16E-08	2.80E-07	6.17E-08	8.43E-08	1.34E-07	2.36E-08	1.60E-08	6.11E-07	3.16E-07	1.34E-07	1.58E-07	6.20E-08	3.16E-07	1.34E-07
2434	496018.25	3859842.96	9.90E-04	1.01E-03	9.57E-04	3.43E-07	1.04E-06	5.99E-07	6.14E-07	5.56E-07	2.54E-07	2.39E-07	1.14E-08	2.77E-07	6.10E-08	8.33E-08	1.32E-07	2.33E-08	1.58E-08	6.04E-07	3.13E-07	1.33E-07	1.56E-07	6.13E-08	3.13E-07	1.33E-07
2435	496118.25	3859842.96	9.92E-04	1.02E-03	9.58E-04	3.43E-07	1.04E-06	6.00E-07	6.15E-07	5.57E-07	2.54E-07	2.40E-07	1.15E-08	2.77E-07	6.11E-08	8.34E-08	1.32E-07	2.33E-08	1.58E-08	6.04E-07	3.13E-07	1.33E-07	1.56E-07	6.14E-08	3.13E-07	1.33E-07
2436	496218.25	3859842.96	9.62E-04	9.86E-04	9.30E-04	3.33E-07	1.01E-06	5.82E-07	5.96E-07	5.41E-07	2.47E-07	2.33E-07	1.11E-08	2.69E-07	5.93E-08	8.10E-08	1.28E-07	2.26E-08	1.53E-08	5.86E-07	3.04E-07	1.29E-07	1.52E-07	5.96E-08	3.04E-07	1.29E-07
2437	496318.25	3859842.96	9.06E-04	9.28E-04	8.75E-04	3.14E-07	9.47E-07	5.48E-07	5.62E-07	5.09E-07	2.32E-07	2.19E-07	1.05E-08	2.53E-07	5.58E-08	7.62E-08	1.21E-07	2.13E-08	1.45E-08	5.52E-07	2.86E-07	1.21E-07	1.43E-07	5.61E-08	2.86E-07	1.21E-07
2438	496418.25	3859842.96	8.74E-04	8.95E-04	8.44E-04	3.02E-07	9.13E-07	5.29E-07	5.41E-07	4.91E-07	2.24E-07	2.11E-07	1.01E-08	2.44E-07	5.38E-08	7.35E-08	1.17E-07	2.06E-08	1.39E-08	5.33E-07	2.76E-07	1.17E-07	1.38E-07	5.41E-08	2.76E-07	1.17E-07
2439	495718.25	3859942.96	1.09E-03	1.11E-03	1.05E-03	3.77E-07	1.14E-06	6.58E-07	6.74E-07	6.11E-07	2.79E-07	2.63E-07	1.26E-08	3.04E-07	6.70E-08	9.15E-08	1.45E-07	2.56E-08	1.73E-08	6.63E-07	3.43E-07	1.46E-07	1.71E-07	6.73E-08	3.43E-07	1.46E-07
2440	495818.25	3859942.96	1.07E-03	1.09E-03	1.03E-03	3.69E-07	1.12E-06	6.46E-07	6.61E-07	5.99E-07	2.74E-07	2.58E-07	1.23E-08	2.98E-07	6.57E-08	8.98E-08	1.42E-07	2.51E-08	1.70E-08	6.50E-07	3.37E-07	1.43E-07	1.68E-07	6.60E-08	3.37E-07	1.43E-07
2441	495918.25	3859942.96	1.05E-03	1.08E-03	1.02E-03	3.65E-07	1.10E-06	6.38E-07	6.53E-07	5.92E-07	2.70E-07	2.55E-07	1.22E-08	2.94E-07	6.49E-08	8.87E-08	1.41E-07	2.48E-08	1.68E-08	6.42E-07	3.33E-07	1.41E-07	1.66E-07	6.52E-08	3.33E-07	1.41E-07
2442	496018.25	3859942.96	1.05E-03	1.08E-03	1.02E-03	3.64E-07	1.10E-06	6.36E-07	6.51E-07	5.90E-07	2.69E-07	2.54E-07	1.21E-08	2.93E-07	6.47E-08	8.84E-08	1.40E-07	2.47E-08	1.68E-08	6.40E-07	3.32E-07	1.41E-07	1.66E-07	6.50E-08	3.32E-07	1.41E-07
2443	496118.25	3859942.96	1.02E-03	1.05E-03	9.88E-04	3.54E-07	1.07E-06	6.19E-07	6.34E-07	5.75E-07	2.62E-07	2.47E-07	1.18E-08	2.86E-07	6.30E-08	8.61E-08	1.37E-07	2.41E-08	1.63E-08	6.23E-07	3.23E-07	1.37E-07	1.61E-07	6.33E-08	3.23E-07	1.37E-07
2444	496218.25	3859942.96	9.80E-04	1.00E-03	9.47E-04	3.39E-07	1.02E-06	5.93E-07	6.07E-07	5.51E-07	2.51E-07	2.37E-07	1.13E-08	2.74E-07	6.04E-08	8.25E-08	1.31E-07	2.31E-08	1.56E-08	5.97E-07	3.09E-07	1.31E-07	1.54E-07	6.06E-08	3.09E-07	1.31E-07
2445	496318.25	3859942.96	9.40E-04	9.63E-04	9.08E-04	3.25E-07	9.83E-07	5.69E-07	5.83E-07	5.28E-07	2.41E-07	2.27E-07	1.09E-08	2.63E-07	5.79E-08	7.91E-08	1.25E-07	2.21E-08	1.50E-08	5.73E-07	2.97E-07	1.26E-07	1.48E-07	5.82E-08	2.97E-07	1.26E-07
2446	496418.25	3859942.96	8.93E-04	9.15E-04	8.63E-04	3.09E-07	9.33E-07	5.40E-07	5.53E-07	5.02E-07	2.29E-07	2.16E-07	1.03E-08	2.49E-07	5.50E-08	7.51E-08	1.19E-07	2.10E-08	1.42E-08	5.44E-07	2.82E-07	1.20E-07	1.41E-07	5.53E-08	2.82E-07	1.20E-07
2447	496856.82	3858864.83	6.29E-04	6.44E-04	6.07E-04	2.18E-07	6.57E-07	3.80E-07	3.90E-07	3.53E-07	1.61E-07	1.52E-07	7.27E-09	1.76E-07	3.87E-08	5.29E-08	8.39E-08	1.48E-08	1.00E-08	3.83E-07	1.98E-07	8.42E-08	9.90E-08	3.89E-08	1.98E-07	8.42E-08
2448	496956.82	3858864.83	6.23E-04	6.38E-04	6.02E-04	2.16E-07	6.51E-07	3.77E-07	3.86E-07	3.50E-07	1.60E-07	1.51E-07	7.20E-09	1.74E-07	3.84E-08	5.24E-08	8.31E-08	1.47E-08	9.93E-09	3.80E-07	1.97E-07	8.34E-08	9.81E-08	3.85E-08	1.97E-07	8.34E-08
2449	497056.82	3858864.83	6.17E-04	6.32E-04	5.96E-04	2.14E-07	6.45E-07	3.73E-07	3.82E-07	3.47E-07	1.58E-07	1.49E-07	7.13E-09	1.72E-07	3.80E-08	5.19E-08	8.23E-08	1.45E-08	9.84E-09	3.76E-07	1.95E-07	8.26E-08	9.72E-08	3.82E-08	1.95E-07	8.26E-08
2450	497156.82	3858864.83	6.11E-04	6.26E-04	5.90E-04	2.12E-07	6.39E-07	3.70E-07	3.79E-07	3.43E-07	1.57E-07	1.48E-07	7.06E-09	1.71E-07	3.76E-08	5.14E-08	8.16E-08	1.44E-08	9.74E-09	3.72E-07	1.93E-07	8.18E-08	9.63E-08	3.78E-08	1.93E-07	8.18E-08
2451	497256.82	3858864.83	6.08E-04	6.23E-04	5.87E-04	2.10E-07	6.36E-07	3.68E-07	3.77E-07	3.42E-07	1.56E-07	1.47E-07	7.03E-09	1.70E-07	3.75E-08	5.12E-08	8.12E-08	1.43E-08	9.70E-09	3.71E-07	1.92E-07	8.14E-08	9.58E-08	3.76E-08	1.92E-07	8.14E-08
2452	496856.82	3858964.83	6.48E-04	6.64E-04	6.26E-04	2.24E-07	6.77E-07	3.92E-07	4.02E-07	3.64E-07	1.66E-07	1.57E-07	7.49E-09	1.81E-07	3.99E-08	5.45E-08	8.65E-08	1.52E-08	1.03E-08	3.95E-07	2.04E-07	8.68E-08	1.02E-07	4.01E-08	2.04E-07	8.68E-08
2453	496956.82	3858964.83	6.39E-04	6.55E-04	6.17E-04	2.21E-07	6.68E-07	3.87E-07	3.96E-07	3.59E-07	1.64E-07	1.55E-07	7.39E-09	1.78E-07	3.94E-08	5.38E-08	8.53E-08	1.50E-08	1.02E-08	3.89E-07	2.02E-07	8.56E-08	1.01E-07	3.96E-08	2.02E-07	8.56E-08
2454	497056.82	3858964.83	6.33E-04	6.48E-04	6.12E-04	2.19E-07	6.62E-07	3.83E-07	3.92E-07	3.56E-07	1.62E-07	1.53E-07	7.32E-09	1.77E-07	3.90E-08	5.33E-08	8.45E-08	1.49E-08	1.01E-08	3.86E-07	2.00E-07	8.48E-08	9.97E-08	3.92E-08	2.00E-07	8.48E-08
2455	497156.82	3858964.83	6.27E-04	6.42E-04	6.06E-04	2.17E-07	6.56E-07	3.80E-07	3.89E-07	3.52E-07	1.61E-07	1.52E-07	7.25E-09	1.75E-07	3.86E-08	5.28E-08	8.37E-08	1.48E-08	1.00E-08	3.82E-07	1.98E-07	8.40E-08	9.88E-08	3.88E-08	1.98E-07	8.40E-08
2456	497256.82	3858964.83	6.29E-04	6.44E-04	6.07E-04	2.18E-07	6.57E-07	3.80E-07	3.90E-07	3.53E-07	1.61E-07	1.52E-07	7.27E-09	1.76E-07	3.87E-08	5.29E-08	8.39E-08	1.48E-08	1.00E-08	3.83E-07	1.98E-07	8.42E-08	9.90E-08	3.89E-08	1.98E-07	8.42E-08
2457	496856.82	3859064.83	6.63E-04	6.79E-04	6.40E-04	2.29E-07	6.93E-07	4.01E-07	4.11E-07	3.72E-07	1.70E-07	1.60E-07	7.66E-09	1.85E-07	4.08E-08	5.58E-08	8.85E-08	1.56E-08	1.06E-08	4.04E-07	2.09E-07	8.87E-08	1.04E-07	4.10E-08	2.09E-07	8.87E-08

2458	496956.82	3859064.83	6.55E-04	6.71E-04	6.33E-04	2.27E-07	6.85E-07	3.96E-07	4.06E-07	3.68E-07	1.68E-07	1.58E-07	7.57E-09	1.83E-07	4.04E-08	5.51E-08	8.75E-08	1.54E-08	1.05E-08	3.99E-07	2.07E-07	8.78E-08	1.03E-07	4.06E-08	2.07E-07	8.78E-08
2459	497056.82	3859064.83	6.49E-04	6.65E-04	6.27E-04	2.25E-07	6.79E-07	3.93E-07	4.02E-07	3.65E-07	1.66E-07	1.57E-07	7.51E-09	1.81E-07	4.00E-08	5.46E-08	8.67E-08	1.53E-08	1.04E-08	3.96E-07	2.05E-07	8.70E-08	1.02E-07	4.02E-08	2.05E-07	8.70E-08
2460	497156.82	3859064.83	6.45E-04	6.61E-04	6.23E-04	2.23E-07	6.74E-07	3.90E-07	4.00E-07	3.62E-07	1.65E-07	1.56E-07	7.46E-09	1.80E-07	3.97E-08	5.43E-08	8.61E-08	1.52E-08	1.03E-08	3.93E-07	2.04E-07	8.64E-08	1.02E-07	3.99E-08	2.04E-07	8.64E-08
2461	497256.82	3859064.83	6.49E-04	6.65E-04	6.27E-04	2.25E-07	6.79E-07	3.93E-07	4.02E-07	3.65E-07	1.66E-07	1.57E-07	7.51E-09	1.81E-07	4.00E-08	5.46E-08	8.67E-08	1.53E-08	1.04E-08	3.96E-07	2.05E-07	8.70E-08	1.02E-07	4.02E-08	2.05E-07	8.70E-08
2462	496856.82	3859164.83	6.76E-04	6.92E-04	6.53E-04	2.34E-07	7.07E-07	4.09E-07	4.19E-07	3.80E-07	1.73E-07	1.63E-07	7.81E-09	1.89E-07	4.16E-08	5.69E-08	9.02E-08	1.59E-08	1.08E-08	4.12E-07	2.13E-07	9.05E-08	1.06E-07	4.18E-08	2.13E-07	9.05E-08
2463	496956.82	3859164.83	6.69E-04	6.85E-04	6.46E-04	2.31E-07	6.99E-07	4.05E-07	4.14E-07	3.76E-07	1.71E-07	1.62E-07	7.73E-09	1.87E-07	4.12E-08	5.63E-08	8.92E-08	1.57E-08	1.07E-08	4.07E-07	2.11E-07	8.95E-08	1.05E-07	4.14E-08	2.11E-07	8.95E-08
2464	497056.82	3859164.83	6.64E-04	6.80E-04	6.42E-04	2.30E-07	6.94E-07	4.02E-07	4.12E-07	3.73E-07	1.70E-07	1.61E-07	7.68E-09	1.85E-07	4.09E-08	5.59E-08	8.86E-08	1.56E-08	1.06E-08	4.05E-07	2.10E-07	8.89E-08	1.05E-07	4.11E-08	2.10E-07	8.89E-08
2465	497156.82	3859164.83	6.64E-04	6.80E-04	6.42E-04	2.30E-07	6.94E-07	4.02E-07	4.12E-07	3.73E-07	1.70E-07	1.61E-07	7.68E-09	1.85E-07	4.09E-08	5.59E-08	8.86E-08	1.56E-08	1.06E-08	4.05E-07	2.10E-07	8.89E-08	1.05E-07	4.11E-08	2.10E-07	8.89E-08
2466	497256.82	3859164.83	6.72E-04	6.88E-04	6.49E-04	2.32E-07	7.02E-07	4.06E-07	4.16E-07	3.77E-07	1.72E-07	1.62E-07	7.76E-09	1.88E-07	4.14E-08	5.65E-08	8.96E-08	1.58E-08	1.07E-08	4.09E-07	2.12E-07	8.99E-08	1.06E-07	4.16E-08	2.12E-07	8.99E-08
2467	496856.82	3859264.83	6.89E-04	7.06E-04	6.66E-04	2.39E-07	7.20E-07	4.17E-07	4.27E-07	3.87E-07	1.77E-07	1.67E-07	7.97E-09	1.92E-07	4.25E-08	5.80E-08	9.20E-08	1.62E-08	1.10E-08	4.20E-07	2.18E-07	9.23E-08	1.09E-07	4.27E-08	2.18E-07	9.23E-08
2468	496956.82	3859264.83	6.86E-04	7.03E-04	6.63E-04	2.38E-07	7.17E-07	4.15E-07	4.25E-07	3.86E-07	1.76E-07	1.66E-07	7.93E-09	1.92E-07	4.23E-08	5.77E-08	9.16E-08	1.61E-08	1.09E-08	4.18E-07	2.17E-07	9.19E-08	1.08E-07	4.25E-08	2.17E-07	9.19E-08
2469	497056.82	3859264.83	6.86E-04	7.03E-04	6.63E-04	2.38E-07	7.17E-07	4.15E-07	4.25E-07	3.86E-07	1.76E-07	1.66E-07	7.93E-09	1.92E-07	4.23E-08	5.77E-08	9.16E-08	1.61E-08	1.09E-08	4.18E-07	2.17E-07	9.19E-08	1.08E-07	4.25E-08	2.17E-07	9.19E-08
2470	497156.82	3859264.83	6.86E-04	7.03E-04	6.63E-04	2.38E-07	7.17E-07	4.15E-07	4.25E-07	3.86E-07	1.76E-07	1.66E-07	7.93E-09	1.92E-07	4.23E-08	5.77E-08	9.16E-08	1.61E-08	1.09E-08	4.18E-07	2.17E-07	9.19E-08	1.08E-07	4.25E-08	2.17E-07	9.19E-08
2471	497256.82	3859264.83	6.92E-04	7.09E-04	6.69E-04	2.40E-07	7.23E-07	4.19E-07	4.29E-07	3.89E-07	1.77E-07	1.67E-07	8.00E-09	1.93E-07	4.26E-08	5.82E-08	9.24E-08	1.63E-08	1.10E-08	4.22E-07	2.18E-07	9.27E-08	1.09E-07	4.28E-08	2.18E-07	9.27E-08
2472	497088.92	3858620.93	5.73E-04	5.87E-04	5.53E-04	1.98E-07	5.99E-07	3.46E-07	3.55E-07	3.22E-07	1.47E-07	1.38E-07	6.62E-09	1.60E-07	3.53E-08	4.82E-08	7.64E-08	1.35E-08	9.13E-09	3.49E-07	1.81E-07	7.67E-08	9.02E-08	3.54E-08	1.81E-07	7.67E-08
2473	497138.92	3858620.93	5.71E-04	5.85E-04	5.52E-04	1.98E-07	5.97E-07	3.46E-07	3.54E-07	3.21E-07	1.46E-07	1.38E-07	6.60E-09	1.59E-07	3.52E-08	4.81E-08	7.62E-08	1.34E-08	9.11E-09	3.48E-07	1.80E-07	7.65E-08	9.00E-08	3.53E-08	1.80E-07	7.65E-08
2474	497188.92	3858620.93	5.70E-04	5.83E-04	5.50E-04	1.97E-07	5.95E-07	3.45E-07	3.53E-07	3.20E-07	1.46E-07	1.38E-07	6.59E-09	1.59E-07	3.51E-08	4.79E-08	7.60E-08	1.34E-08	9.09E-09	3.47E-07	1.80E-07	7.63E-08	8.97E-08	3.53E-08	1.80E-07	7.63E-08
2475	497238.92	3858620.93	5.68E-04	5.82E-04	5.49E-04	1.97E-07	5.94E-07	3.44E-07	3.52E-07	3.19E-07	1.46E-07	1.37E-07	6.57E-09	1.59E-07	3.50E-08	4.78E-08	7.58E-08	1.34E-08	9.06E-09	3.46E-07	1.79E-07	7.61E-08	8.95E-08	3.52E-08	1.79E-07	7.61E-08
2476	497088.92	3858670.93	5.79E-04	5.93E-04	5.59E-04	2.00E-07	6.05E-07	3.50E-07	3.59E-07	3.25E-07	1.48E-07	1.40E-07	6.69E-09	1.62E-07	3.56E-08	4.87E-08	7.72E-08	1.36E-08	9.23E-09	3.53E-07	1.83E-07	7.75E-08	9.11E-08	3.58E-08	1.83E-07	7.75E-08
2477	497138.92	3858670.93	5.79E-04	5.93E-04	5.59E-04	2.00E-07	6.05E-07	3.50E-07	3.59E-07	3.25E-07	1.48E-07	1.40E-07	6.69E-09	1.62E-07	3.56E-08	4.87E-08	7.72E-08	1.36E-08	9.23E-09	3.53E-07	1.83E-07	7.75E-08	9.11E-08	3.58E-08	1.83E-07	7.75E-08
2478	497188.92	3858670.93	5.76E-04	5.90E-04	5.56E-04	1.99E-07	6.02E-07	3.48E-07	3.57E-07	3.23E-07	1.48E-07	1.39E-07	6.65E-09	1.61E-07	3.55E-08	4.84E-08	7.68E-08	1.35E-08	9.18E-09	3.51E-07	1.82E-07	7.71E-08	9.07E-08	3.56E-08	1.82E-07	7.71E-08
2479	497238.92	3858670.93	5.76E-04	5.90E-04	5.56E-04	1.99E-07	6.02E-07	3.48E-07	3.57E-07	3.23E-07	1.48E-07	1.39E-07	6.65E-09	1.61E-07	3.55E-08	4.84E-08	7.68E-08	1.35E-08	9.18E-09	3.51E-07	1.82E-07	7.71E-08	9.07E-08	3.56E-08	1.82E-07	7.71E-08
2480	497088.92	3858720.93	5.89E-04	6.03E-04	5.69E-04	2.04E-07	6.15E-07	3.56E-07	3.65E-07	3.31E-07	1.51E-07	1.42E-07	6.81E-09	1.64E-07	3.63E-08	4.95E-08	7.86E-08	1.39E-08	9.39E-09	3.59E-07	1.86E-07	7.89E-08	9.28E-08	3.64E-08	1.86E-07	7.89E-08
2481	497138.92	3858720.93	5.81E-04	5.96E-04	5.62E-04	2.01E-07	6.08E-07	3.52E-07	3.60E-07	3.27E-07	1.49E-07	1.41E-07	6.72E-09	1.62E-07	3.58E-08	4.89E-08	7.76E-08	1.37E-08	9.27E-09	3.54E-07	1.84E-07	7.79E-08	9.16E-08	3.60E-08	1.84E-07	7.79E-08
2482	497188.92	3858720.93	5.80E-04	5.94E-04	5.60E-04	2.01E-07	6.06E-07	3.51E-07	3.59E-07	3.26E-07	1.49E-07	1.40E-07	6.70E-09	1.62E-07	3.57E-08	4.88E-08	7.74E-08	1.36E-08	9.25E-09	3.54E-07	1.83E-07	7.77E-08	9.14E-08	3.59E-08	1.83E-07	7.77E-08
2483	497238.92	3858720.93	5.83E-04	5.97E-04	5.63E-04	2.02E-07	6.09E-07	3.53E-07	3.61E-07	3.28E-07	1.49E-07	1.41E-07	6.74E-09	1.63E-07	3.59E-08	4.91E-08	7.78E-08	1.37E-08	9.30E-09	3.55E-07	1.84E-07	7.81E-08	9.18E-08	3.61E-08	1.84E-07	7.81E-08
2484	497088.92	3858770.93	5.95E-04	6.09E-04	5.75E-04	2.06E-07	6.22E-07	3.60E-07	3.69E-07	3.34E-07	1.52E-07	1.44E-07	6.88E-09	1.66E-07	3.66E-08	5.00E-08	7.94E-08	1.40E-08	9.49E-09	3.63E-07	1.88E-07	7.96E-08	9.37E-08	3.68E-08	1.88E-07	7.96E-08
2485	497138.92	3858770.93	5.92E-04	6.06E-04	5.72E-04	2.05E-07	6.19E-07	3.58E-07	3.67E-07	3.32E-07	1.52E-07	1.43E-07	6.84E-09	1.65E-07	3.65E-08	4.98E-08	7.90E-08	1.39E-08	9.44E-09	3.61E-07	1.87E-07	7.93E-08	9.32E-08	3.66E-08	1.87E-07	7.93E-08
2486	497188.92	3858770.93	5.89E-04	6.03E-04	5.69E-04	2.04E-07	6.15E-07	3.56E-07	3.65E-07	3.31E-07	1.51E-07	1.42E-07	6.81E-09	1.64E-07	3.63E-08	4.95E-08	7.86E-08	1.39E-08	9.39E-09	3.59E-07	1.86E-07	7.89E-08	9.28E-08	3.64E-08	1.86E-07	7.89E-08
2487	497238.92	3858770.93	5.90E-04	6.05E-04	5.70E-04	2.04E-07	6.17E-07	3.57E-07	3.66E-07	3.32E-07	1.51E-07	1.43E-07	6.82E-09	1.65E-07	3.64E-08	4.97E-08	7.88E-08	1.39E-08	9.42E-09	3.60E-07	1.86E-07	7.91E-08	9.30E-08	3.65E-08	1.86E-07	7.91E-08
2488	497396.65	3858622.63	5.77E-04	5.91E-04	5.58E-04	2.00E-07	6.03E-07	3.49E-07	3.58E-07	3.24E-07	1.48E-07	1.40E-07	6.67E-09	1.61E-07	3.56E-08	4.86E-08	7.70E-08	1.36E-08	9.20E-09	3.52E-07	1.82E-07	7.73E-08	9.09E-08	3.57E-08	1.82E-07	7.73E-08
2489	497496.65	3858622.63	5.81E-04	5.96E-04	5.62E-04	2.01E-07	6.08E-07	3.52E-07	3.60E-07	3.27E-07	1.49E-07	1.41E-07	6.72E-09	1.62E-07	3.58E-08	4.89E-08	7.76E-08	1.37E-08	9.27E-09	3.54E-07	1.84E-07	7.79E-08	9.16E-08	3.60E-08	1.84E-07	7.79E-08
2490	497596.65	3858622.63	5.93E-04	6.08E-04	5.73E-04	2.05E-07	6.20E-07	3.59E-07	3.68E-07	3.33E-07	1.52E-07	1.43E-07	6.86E-09	1.66E-07	3.66E-08	4.99E-08	7.92E-08	1.40E-08	9.46E-09	3.62E-07	1.87E-07	7.94E-08	9.35E-08	3.67E-08	1.87E-07	7.94E-08
2491	497696.65	3858622.63	5.96E-04	6.11E-04	5.76E-04	2.06E-07	6.23E-07	3.61E-07	3.70E-07	3.35E-07	1.53E-07	1.44E-07	6.89E-09	1.66E-07	3.67E-08	5.02E-08	7.96E-08	1.40E-08	9.51E-09	3.63E-07	1.88E-07	7.98E-08	9.39E-08	3.69E-08	1.88E-07	7.98E-08
2492	497796.65	3858622.63	6.02E-04	6.17E-04	5.82E-04	2.08E-07	6.29E-07	3.64E-07	3.73E-07	3.38E-07	1.54E-07	1.46E-07	6.96E-09	1.68E-07	3.71E-08	5.07E-08	8.04E-08	1.42E-08	9.60E-09	3.67E-07	1.90E-07	8.06E-08	9.49E-08	3.73E-08	1.90E-07	8.06E-08
2493	497896.65	3858622.63	6.10E-04	6.24E-04	5.89E-04	2.11E-07	6.37E-07	3.69E-07	3.78E-07	3.42E-07	1.56E-07	1.47E-07	7.05E-09	1.70E-07	3.76E-08	5.13E-08	8.14E-08	1.43E-08	9.72E-09	3.72E-07	1.92E-07	8.16E-08	9.60E-08	3.77E-08	1.92E-07	8.16E-08
2494	497396.65	3858722.63	5.95E-04	6.09E-04	5.75E-04	2.06E-07	6.22E-07	3.60E-07	3.69E-07	3.34E-07	1.52E-07	1.44E-07	6.88E-09	1.66E-07	3.66E-08	5.00E-08	7.94E-08	1.40E-08	9.49E-09	3.63E-07	1.88E-07	7.96E-08	9.37E-08	3.68E-08	1.88E-07	7.96E-08
2495	497496.65	3858722.63	5.99E-04	6.14E-04	5.79E-04	2.07E-07	6.26E-07	3.63E-07	3.71E-07	3.37E-07	1.54E-07	1.45E-07	6.93E-09	1.67E-07	3.69E-08	5.04E-08	8.00E-08	1.41E-08	9.56E-09	3.65E-07	1.89E-07	8.02E-08	9.44E-08	3.71E-08	1.89E-07	8.02E-08
2496	497596.65	3858722.63	6.10E-04	6.24E-04	5.89E-04	2.11E-07	6.37E-07	3.69E-07	3.78E-07	3.42E-07	1.56E-07	1.47E-07	7.05E-09	1.70E-07	3.76E-08	5.13E-08	8.14E-08	1.43E-08	9.72E-09	3.72E-07	1.92E-07	8.16E-08	9.60E-08	3.77E-08	1.92E-07	8.16E-08
2497	497696.65	3858722.63	6.14E-04	6.29E-04	5.93E-04	2.13E-07	6.42E-07	3.71E-07	3.80E-07	3.45E-07	1.57E-07	1.48E-07	7.10E-09	1.71E-07	3.78E-08	5.17E-08	8.20E-08	1.44E-08	9.79E-09	3.74E-07	1.94E-07	8.22E-08	9.67E-08	3.80E-08	1.94E-07	8.22E-08
2498	497796.65	3858722.63	6.17E-04	6.32E-04	5.96E-04	2.14E-07	6.45E-07	3.73E-07	3.82E-07	3.47E-07	1.58E-07	1.49E-07	7.13E-09	1.72E-07	3.80E-08	5.19E-08	8.23E-08	1.45E-08	9.84E-09	3.76E-07	1.95E-07	8.26E-08	9.72E-08	3.82E-08	1.95E-07	8.26E-08
2499	497896.65	3858722.63	6.23E-04	6.38E-04	6.02E-04	2.16E-07	6.51E-07	3.77E-07	3.86E-07	3.50E-07	1.60E-07	1.51E-07	7.20E-09	1.74E-07	3.84E-08	5.24E-08	8.31E-08	1.47E-08	9.93E-09	3.80E-07	1.97E-07	8.34E-08	9.81E-08	3.85E-08	1.97E-07	8.34E-08
2500	497396.65	3858822.63	6.10E-04	6.24E-04	5.89E-04	2.11E-07	6.37E-07	3.69E-07	3.78E-07	3.42E-07	1.56E-07	1.47E-07	7.05E-09	1.70E-07	3.76E-08	5.13E-08	8.14E-08	1.43E-08	9.72E-09	3.72E-07	1.92E-07	8.16E-08	9.60E-08	3.77E-08	1.92E-07	8.16E-08
2501	497496.65	3858822.63	6.12E-04	6.27E-04	5.92E-04	2.12E-07	6.40E-07	3.71E-07	3.80E-07	3.44E-07	1.57E-07	1.48E-07	7.08E-09	1.71E-07	3.77E-08	5.15E-08	8.18E-08	1.44E-08	9.77E-09	3.73E-07	1.93E-07	8.20E-08	9.65E-08	3.79E-08	1.93E-07	8.20E-08
2502	497596.65	3858822.63	6.23E-04	6.38E-04	6.02E-04	2.16E-07	6.51E-07	3.77E-07	3.86E-07	3.50E-07	1.60E-07	1.51E-07	7.20E-09	1.74E-07	3.84E-08	5.24E-08	8.31E-08	1.47E-08	9.93E-09	3.80E-07	1.97E-07	8.34E-08	9.81E-08	3.85E-08	1.97E-07	8.34E-08
2503	497696.65	3858822.63	6.29E-04	6.44E-04	6.07E-04	2.18E-07	6.57E-07	3.80E-07	3.90E-07	3.53E-07	1.61E-07	1.52E-07	7.27E-09	1.76E-07	3.87E-08	5.29E-08	8.39E-08	1.48E-08	1.00E-08	3.83E-07	1.98E-07	8.42E-08	9.90E-08	3.89E-08	1.98E-07	8.42E-08
2504	497796.65	3858822.63	6.30E-04	6.45E-04	6.09E-04	2.18E-07	6.59E-07	3.81E-07	3.91E-07	3.54E-07	1.62E-07	1.52E-07	7.28E-09	1.76E-07	3.88E-08	5.30E-08	8.41E-08	1.48E-08	1.01E-08	3.84E-07	1.99E-07	8.44E-08	9.93E-08	3.90E-08	1.99E-07	8.44E-08
2505	497896.65	3858822.63	6.41E-04	6.56E-04	6.19E-04	2.22E-07	6.69E-07	3.88E-07	3.97E-07	3.60E-07	1.64E-07	1.55E-07	7.40E-09	1.79E-07	3.95E-08	5.39E-08	8.55E-08	1.51E-08	1.02E-08	3.90E-07	2.02E-07	8.58E-08	1.01E-07	3.96E-08	2.02E-07	8.58E-08
2506	497396.65	3858922.63	6.24E-04	6.39E-04	6.03E-04	2.16E-07	6.53E-07	3.78E-07	3.87E-07	3.51E-07	1.60E-07	1.51E-07	7.22E-09	1.74E-07	3.85E-08	5.25E-08	8.33E-08	1.47E-08	9.96E-09	3.80E-07	1.97E-07	8.36E-08	9.83E-08	3.86E-08	1.97E-07	8.36E-08
2507	497496.65	3858922.63	6.35E-04	6.50E-04	6.13E-04	2.20E-07	6.63E-07	3.84E-07	3.93E-07	3.57E-07	1.63E-07	1.53E-07	7.34E-09	1.77E-07	3.91E-08	5.34E-08	8.47E-08	1.49E-08	1.01E-08	3.87E-07	2.00E-07	8.50E-08	1.00E-07	3.93E-08	2.00E-07	8.50E-08
2508	497596.65	3858922.63	6.33E-04	6.48E-04	6.12E-04	2.19E-07	6.62E-07	3.83E-07	3.92E-07	3.56E-07	1.62E-07	1.53E-07	7.32E-09	1.77E-07	3.90E-08	5.33E-08	8.45E-08	1.49E-08	1.01E-08	3.86E-07	2.00E-07	8.48E-08	9.97E-08	3.92E-08	2.00E-07	8.48E-08
2509	497696.65	3858922.63	6.43E-04	6.59E-04	6.22E-04	2.23E-07	6.73E-07	3.89E-07	3.99E-07	3.61E-07	1.65E-07	1.56E-07	7.44E-09	1.80E-07	3.96E-08	5.41E-08	8.59E-08	1.51E-08	1.03E-08	3.92E-07	2.03E-07	8.62E-08	1.01E-07	3.98E-08	2.03E-07	8.62E-08
2510	497796.65	3858922.63	6.52E-04	6.68E-04	6.30E-04	2.26E-07	6.82E-07	3.95E-07	4.04E-07	3.66E-07	1.67E-07	1.58E-07	7.54E-09	1.82E-07	4.02E-08	5.49E-08	8.71E-08	1.53E-08	1.04E-08	3.98E-07	2.06E-07	8.74E-08	1.03E-07	4.04E-08	2.06E-07	8.74E-08
2511	497896.65	3858922.63	6.63E-04	6.79E-04	6.40E-04	2.29E-07	6.93E-07	4.01E-07	4.11E-07	3.72E-07	1.70E-07	1.60E-07	7.66E-09	1.85E-07	4.08E-08	5.58E-08	8.85E-08	1.56E-08	1.06E-08	4.04E-07	2.09E-07	8.87E-08	1.04E-07	4.10E-08	2.09E-07	8.87E-08
2512	497364.44	3858201.52	5.33E-04	5.46E-04	5.15E-04	1.84E-07	5.57E-07	3.22E-07	3.30E-07	2.99E-07	1.37E-07	1.29E-07	6.16E-09	1.49E-07	3.28E-08	4.48E-08	7.11E-08	1.25E-08	8.50E-09	3.25E-07	1.68E-07	7.13E-08	8.39E-08	3.30E-08	1.68E-07	7.13E-08
2513	497414.44	3858201.52	5.34E-04	5.47E-04	5.16E-04	1.85E-07	5.58E-07	3.23E-07	3.31E-07	3.00E-07	1.37E-07	1.29E-07	6.18E-09	1.49E-07	3.29E-08	4.50E-08	7.13E-08	1.26E-08	8.52E-09	3.26E-07	1.69E-07	7.15E-08	8.42E-08	3.31E-08	1.69E-07	7.15E-08
2514	497464.44	3858201.52	5.37E-04	5.50E-04	5.19E-04	1.86E-07	5.62E-07	3.25E-07	3.33E-07	3.02E-07	1.38E-07	1.30E-07	6.21E-09	1.50E-07	3.31E-08	4.52E-08	7.17E-08	1.26E-08	8.57E-09	3.27E-07	1.70E-07	7.19E-08	8.46E-08	3.32E-08	1.70E-07	7.19E-08
2515	497514.44	3858201.52	5.39E-04	5.52E-04	5.20E-04	1.86E-07	5.63E-07	3.26E-07	3.34E-07	3.03E-07	1.38E-07	1.30E-07	6.23E-09	1.50E-07	3.32E-08	4.53E-08	7.19E-08	1.27E-08	8.59E-09	3.28E-07	1.70E-07	7.21E-08	8.49E-08	3.33E-08	1.70E-07	7.21E-08
2516	497564.44	3858201.52	5.37E-04	5.50E-04	5.19E-04	1.86E-07	5.62E-07	3.25E-07	3.33E-07	3.02E-07	1.38E-07	1.30E-07	6.21E-09	1.50E-07	3.31E-08	4.52E-08	7.17E-08	1.26E-08	8.57E-09	3.27E-07	1.70E-07	7.19E-08	8.46E-08	3.32E-08	1.70E-07	7.19E-08
2517	497614.44	3858201.52	5.37E-04	5.50E-04	5.19E-04	1.86E-07	5.62E-07	3.25E-07	3.33E-07	3.02E-07	1.38E-07	1.30E-07	6.21E-09	1.50E-07	3.31E-08	4.52E-08	7.17E-08	1.26E-08	8.57E-09	3.27E-07	1.70E-07	7.19E-08	8.46E-08	3.32E-08	1.70E-07	7.19E-08
2518	497364.44	3858251.52	5.40E-04	5.53E-04	5.22E-04	1.87E-07	5.65E-07	3.27E-07	3.35E-07	3.03E-07	1.38E-07	1.31E-07	6.24E-09	1.51E-07	3.33E-08	4.55E-08	7.21E-08	1.27E-08	8.61E-09	3.29E-07	1.70E-07	7.23E-08	8.51E-08	3.34E-08	1.70E-07	7.23E-08
2519	497414.44	3858251.52	5.43E-04	5.56E-04	5.25E-04	1.88E-07	5.68E-07	3.29E-07	3.37E-07	3.05E-07	1.39E-07	1.31E-07	6.28E-09	1.52E-07	3.35E-08	4.57E-08	7.25E-08	1.28E-08	8.66E-09	3.31E-07	1.71E-07	7.27E-08	8.56E-08	3.36E-08	1.71E-07	7.27E-08
2520	497464.44	3858251.52	5.42E-04	5.55E-04	5.23E-04	1.87E-07	5.66E-07	3.28E-07	3.36E-07	3.04E-07	1.39E-07	1.31E-07	6.26E-09	1.51E-07	3.34E-08	4.56E-08	7.23E-08	1.27E-08	8.64E-09	3.30E-07	1.71E-07	7.25E-08	8.53E-08	3.35E-08	1.71E-07	7.25E-08
2521	497514.44	3858251.52	5.39E-04	5.52E-04	5.20E-04	1.86E-07	5.63E-07	3.26E-07	3.34E-07	3.03E-07	1.38E-07	1.30E-07	6.23E-09	1.50E-07	3.32E-08	4.53E-08	7.19E-08	1.27E-08	8.59E-09	3.28E-07	1.70E-07	7.21E-08	8.49E-08	3.33E-08	1.70E-07	7.21E-08
2522	497564.44	3858251.52	5.39E-04	5.52E-04	5.20E-04	1.86E-07	5.63E-07	3.26E-07	3.34E-07	3.03E-07	1.38E-07	1.30E-07	6.23E-09	1.50E-07	3.32E-08	4.53E-08	7.19E-08	1.27E-08	8.59E-09	3.28E-07	1.70E-07	7.21E-08	8.49E-08	3.33E-08	1.70E-07	7.21E-08
2523	497614.44	3858251.52	5.37E-04	5.50E-04	5.19E-04	1.86E-07	5.62E-07	3.25E-07	3.33E-07	3.02E-07	1.38E-07	1.30E-07	6.21E-09	1.50E-07	3.31E-08	4.52E-08	7.17E-08	1.26E-08	8.57E-09	3.27E-07	1.70E-07	7.19E-08	8.46E-08	3.32E-08	1.70E-07	7.19E-08
2524	497364.44	3858301.52	5.45E-04	5.58E-04	5.26E-04	1.89E-07	5.69E-07	3.30E-07	3.38E-07	3.06E-07	1.40E-07	1.32E-07	6.30E-09	1.52E-07	3.36E-08	4.58E-08	7.27E-08	1.28E-08	8.69E-09	3.32E-07	1.72E-07	7.29E-08	8.58E-08	3.37E-08	1.72E-07	7.29E-08
2525	497414.44	3858301.52	5.46E-04	5.59E-04	5.28E-04	1.89E-07	5.71E-07	3.30E-07	3.38E-07	3.07E-07	1.40E-07	1.32E-07	6.31E-09	1.52E-07	3.36E-08	4.59E-08	7.29E-08	1.28E-08	8.71E-09	3.33E-07	1.72E-07	7.31E-08	8.60E-08	3.38E-08	1.72E-07	7.31E-08
2526	497464.44	3858301.52	5.43E-04	5.56E-04	5.25E-04	1.88E-07	5.68E-07	3.29E-07	3.37E-07	3.05E-07	1.39E-07	1.31E-07	6.28E-09	1.52E-07	3.35E-08	4.57E-08	7.25E-08	1.28E-08	8.66E-09	3.31E-07	1.71E-07	7.27E-08	8.56E-08	3.36E-08	1.71E-07	7.27E-08
2527	497514.44	3858301.52	5.42E-04	5.55E-04	5.23E-04	1.87E-07	5.66E-07	3.28E-07	3.36E-07	3.04E-07	1.39E-07	1.31E-07	6.26E-09	1.51E-07	3.34E-08	4.56E-08	7.23E-08	1.27E-08	8.64E-09	3.30E-07	1.71E-07	7.25E-08	8.53E-08	3.35E-08	1.71E-07	7.25E-08
2528	497564.44	3858301.52	5.40E-04	5.53E-04	5.22E-04	1.87E-07	5.65E-07	3.27E-07	3.35E-07	3.03E-07	1.38E-07	1.31E-07	6.24E-09	1.51E-07	3.33E-08	4.55E-08	7.21E-08	1.27E-08	8.61E-09	3.29E-07	1.70E-07	7.23E-08	8.51E-08	3.34E-08	1.70E-07	7.23E-08
2529	497614.44	3858301.52	5.39E-04	5.52E-04	5.20E-04	1.86E-07	5.63E-07	3.26E-07	3.34E-07	3.03E-07	1.38E-07	1.30E-07	6.23E-09	1.50E-07	3.32E-08	4.53E-08	7.19E-08	1.27E-08	8.59E-09	3.28E-07	1.70E-07	7.21E-08	8.49E-08	3.33E-08	1.70E-07	7.21E-08
2530	497364.44	3858351.52	5.49E-04	5.62E-04	5.30E-04	1.90E-07	5.74E-07	3.32E-07	3.40E-07	3.08E-07	1.41E-07	1.33E-07	6.35E-09	1.53E-07	3.38E-08	4.62E-08	7.33E-08	1.29E-08	8.76E-09	3.35E-07	1.73E-07	7.35E-08	8.65E-08	3.40E-08	1.73E-07	7.35E-08
2531	497414.44	3858351.52	5.48E-04	5.61E-04	5.29E-04	1.90E-07	5.72E-07	3.31E-07	3.39E-07	3.08E-07	1.40E-07	1.32E-07	6.33E-09	1.53E-07	3.37E-08	4.61E-08	7.31E-08	1.29E-08	8.73E-09	3.34E-07	1.73E-07	7.33E-08	8.63E-08	3.39E-08	1.73E-07	7.33E-08
2532	497464.44	3858351.52	5.48E-04	5.61E-04	5.29E-04	1.90E-07	5.72E-07	3.31E-07	3.39E-07	3.08E-07	1.40E-07	1.32E-07	6.33E-09	1.53E-07	3.37E-08	4.61E-08	7.31E-08	1.29E-08	8.73E-09	3.34E-07	1.73E-07	7.33E-08	8.63E-08	3.39E-08	1.73E-07	7.33E-08
2533	497514.44	3858351.52	5.46E-04	5.59E-04	5.28E-04	1.89E-07	5.71E-07	3.30E-07	3.38E-07	3.07E-07	1.40E-07	1.32E-07	6.31E-09	1.52E-07	3.36E-08	4.59E-08	7.29E-08	1.28E-08	8.71E-09	3.33E-07	1.72E-07	7.31E-08	8.60E-08	3.38E-08	1.72E-07	7.31E-08
2534	497564.44	3858351.52	5.43E-04	5.56E-04	5.25E-04	1.88E-07	5.68E-07	3.29E-07	3.37E-07	3.05E-07	1.39E-07	1.31E-07	6.28E-09	1.52E-07	3.35E-08	4.57E-08	7.25E-08	1.28E-08	8.66E-09	3.31E-07	1.71E-07	7.27E-08	8.56E-08	3.36E-08	1.71E-07	7.27E-08

2535	497614.44	3858351.52	5.42E-04	5.55E-04	5.23E-04	1.87E-07	5.66E-07	3.28E-07	3.36E-07	3.04E-07	1.39E-07	1.31E-07	6.26E-09	1.51E-07	3.34E-08	4.56E-08	7.23E-08	1.27E-08	8.64E-09	3.30E-07	1.71E-07	7.25E-08	8.53E-08	3.35E-08	1.71E-07	7.25E-08
2536	497364.44	3858401.52	5.51E-04	5.64E-04	5.32E-04	1.91E-07	5.75E-07	3.33E-07	3.41E-07	3.09E-07	1.41E-07	1.33E-07	6.36E-09	1.54E-07	3.39E-08	4.63E-08	7.35E-08	1.30E-08	8.78E-09	3.36E-07	1.74E-07	7.37E-08	8.67E-08	3.41E-08	1.74E-07	7.37E-08
2537	497414.44	3858401.52	5.51E-04	5.64E-04	5.32E-04	1.91E-07	5.75E-07	3.33E-07	3.41E-07	3.09E-07	1.41E-07	1.33E-07	6.36E-09	1.54E-07	3.39E-08	4.63E-08	7.35E-08	1.30E-08	8.78E-09	3.36E-07	1.74E-07	7.37E-08	8.67E-08	3.41E-08	1.74E-07	7.37E-08
2538	497464.44	3858401.52	5.49E-04	5.62E-04	5.30E-04	1.90E-07	5.74E-07	3.32E-07	3.40E-07	3.08E-07	1.41E-07	1.33E-07	6.35E-09	1.53E-07	3.38E-08	4.62E-08	7.33E-08	1.29E-08	8.76E-09	3.35E-07	1.73E-07	7.35E-08	8.65E-08	3.40E-08	1.73E-07	7.35E-08
2539	497514.44	3858401.52	5.48E-04	5.61E-04	5.29E-04	1.90E-07	5.72E-07	3.31E-07	3.39E-07	3.08E-07	1.40E-07	1.32E-07	6.33E-09	1.53E-07	3.37E-08	4.61E-08	7.31E-08	1.29E-08	8.73E-09	3.34E-07	1.73E-07	7.33E-08	8.63E-08	3.39E-08	1.73E-07	7.33E-08
2540	497564.44	3858401.52	5.51E-04	5.64E-04	5.32E-04	1.91E-07	5.75E-07	3.33E-07	3.41E-07	3.09E-07	1.41E-07	1.33E-07	6.36E-09	1.54E-07	3.39E-08	4.63E-08	7.35E-08	1.30E-08	8.78E-09	3.36E-07	1.74E-07	7.37E-08	8.67E-08	3.41E-08	1.74E-07	7.37E-08
2541	497614.44	3858401.52	5.51E-04	5.64E-04	5.32E-04	1.91E-07	5.75E-07	3.33E-07	3.41E-07	3.09E-07	1.41E-07	1.33E-07	6.36E-09	1.54E-07	3.39E-08	4.63E-08	7.35E-08	1.30E-08	8.78E-09	3.36E-07	1.74E-07	7.37E-08	8.67E-08	3.41E-08	1.74E-07	7.37E-08
2542	493478.11	3860497.94	2.69E-03	2.75E-03	2.60E-03	9.31E-07	2.81E-06	1.63E-06	1.67E-06	1.51E-06	6.89E-07	6.50E-07	3.11E-08	7.51E-07	1.66E-07	2.26E-07	3.59E-07	6.33E-08	4.29E-08	1.64E-06	8.49E-07	3.60E-07	4.24E-07	1.66E-07	8.49E-07	3.60E-07
2543	493528.11	3860497.94	2.64E-03	2.70E-03	2.55E-03	9.13E-07	2.76E-06	1.60E-06	1.64E-06	1.48E-06	6.76E-07	6.38E-07	3.05E-08	7.37E-07	1.63E-07	2.22E-07	3.52E-07	6.21E-08	4.21E-08	1.61E-06	8.33E-07	3.53E-07	4.16E-07	1.63E-07	8.33E-07	3.53E-07
2544	493478.11	3860547.94	2.80E-03	2.87E-03	2.70E-03	9.69E-07	2.93E-06	1.69E-06	1.74E-06	1.57E-06	7.18E-07	6.77E-07	3.24E-08	7.82E-07	1.73E-07	2.36E-07	3.74E-07	6.59E-08	4.47E-08	1.71E-06	8.84E-07	3.75E-07	4.41E-07	1.73E-07	8.84E-07	3.75E-07
2545	493528.11	3860547.94	2.75E-03	2.82E-03	2.66E-03	9.52E-07	2.88E-06	1.66E-06	1.70E-06	1.55E-06	7.05E-07	6.65E-07	3.18E-08	7.68E-07	1.69E-07	2.31E-07	3.67E-07	6.47E-08	4.39E-08	1.68E-06	8.68E-07	3.68E-07	4.33E-07	1.70E-07	8.68E-07	3.68E-07
2546	493478.11	3860597.94	2.92E-03	2.99E-03	2.82E-03	1.01E-06	3.05E-06	1.77E-06	1.81E-06	1.64E-06	7.48E-07	7.05E-07	3.37E-08	8.15E-07	1.80E-07	2.46E-07	3.89E-07	6.86E-08	4.65E-08	1.78E-06	9.21E-07	3.91E-07	4.60E-07	1.81E-07	9.21E-07	3.91E-07
2547	493528.11	3860597.94	2.86E-03	2.93E-03	2.77E-03	9.91E-07	2.99E-06	1.73E-06	1.77E-06	1.61E-06	7.34E-07	6.92E-07	3.31E-08	7.99E-07	1.76E-07	2.41E-07	3.82E-07	6.74E-08	4.57E-08	1.75E-06	9.04E-07	3.83E-07	4.51E-07	1.77E-07	9.04E-07	3.83E-07
2548	493561.88	3860524.64	2.66E-03	2.73E-03	2.57E-03	9.21E-07	2.78E-06	1.61E-06	1.65E-06	1.49E-06	6.82E-07	6.43E-07	3.08E-08	7.43E-07	1.64E-07	2.24E-07	3.55E-07	6.26E-08	4.24E-08	1.62E-06	8.40E-07	3.56E-07	4.19E-07	1.65E-07	8.40E-07	3.56E-07
2549	493591.88	3860524.64	2.62E-03	2.69E-03	2.54E-03	9.08E-07	2.74E-06	1.59E-06	1.63E-06	1.47E-06	6.73E-07	6.34E-07	3.03E-08	7.33E-07	1.62E-07	2.21E-07	3.50E-07	6.17E-08	4.19E-08	1.60E-06	8.28E-07	3.51E-07	4.13E-07	1.62E-07	8.28E-07	3.51E-07
2550	493561.88	3860554.64	2.73E-03	2.79E-03	2.64E-03	9.45E-07	2.85E-06	1.65E-06	1.69E-06	1.53E-06	7.00E-07	6.60E-07	3.15E-08	7.62E-07	1.68E-07	2.30E-07	3.64E-07	6.42E-08	4.35E-08	1.66E-06	8.61E-07	3.65E-07	4.30E-07	1.69E-07	8.61E-07	3.65E-07
2551	493591.88	3860554.64	2.68E-03	2.75E-03	2.59E-03	9.29E-07	2.81E-06	1.62E-06	1.66E-06	1.51E-06	6.88E-07	6.49E-07	3.10E-08	7.50E-07	1.65E-07	2.26E-07	3.58E-07	6.32E-08	4.28E-08	1.64E-06	8.47E-07	3.60E-07	4.23E-07	1.66E-07	8.47E-07	3.60E-07
2552	492880.5	3860293.11	3.16E-03	3.24E-03	3.05E-03	1.09E-06	3.30E-06	1.91E-06	1.96E-06	1.78E-06	8.10E-07	7.64E-07	3.65E-08	8.83E-07	1.95E-07	2.66E-07	4.22E-07	7.44E-08	5.04E-08	1.93E-06	9.98E-07	4.23E-07	4.98E-07	1.96E-07	9.98E-07	4.23E-07
2553	492930.5	3860293.11	3.05E-03	3.13E-03	2.95E-03	1.06E-06	3.19E-06	1.85E-06	1.89E-06	1.72E-06	7.83E-07	7.38E-07	3.53E-08	8.53E-07	1.88E-07	2.57E-07	4.08E-07	7.18E-08	4.87E-08	1.86E-06	9.64E-07	4.09E-07	4.81E-07	1.89E-07	9.64E-07	4.09E-07
2554	492980.5	3860293.11	2.95E-03	3.02E-03	2.85E-03	1.02E-06	3.08E-06	1.78E-06	1.83E-06	1.66E-06	7.56E-07	7.13E-07	3.41E-08	8.23E-07	1.82E-07	2.48E-07	3.93E-07	6.93E-08	4.70E-08	1.80E-06	9.30E-07	3.95E-07	4.64E-07	1.82E-07	9.30E-07	3.95E-07
2555	493030.5	3860293.11	2.77E-03	2.84E-03	2.68E-03	9.59E-07	2.90E-06	1.68E-06	1.72E-06	1.56E-06	7.10E-07	6.70E-07	3.20E-08	7.73E-07	1.71E-07	2.33E-07	3.70E-07	6.52E-08	4.42E-08	1.69E-06	8.74E-07	3.71E-07	4.36E-07	1.71E-07	8.74E-07	3.71E-07
2556	493080.5	3860293.11	2.60E-03	2.66E-03	2.51E-03	9.00E-07	2.72E-06	1.57E-06	1.61E-06	1.46E-06	6.67E-07	6.29E-07	3.01E-08	7.26E-07	1.60E-07	2.19E-07	3.47E-07	6.12E-08	4.15E-08	1.58E-06	8.21E-07	3.48E-07	4.10E-07	1.61E-07	8.21E-07	3.48E-07
2557	493130.5	3860293.11	2.62E-03	2.68E-03	2.53E-03	9.05E-07	2.73E-06	1.58E-06	1.62E-06	1.47E-06	6.70E-07	6.32E-07	3.02E-08	7.30E-07	1.61E-07	2.20E-07	3.49E-07	6.15E-08	4.17E-08	1.59E-06	8.25E-07	3.50E-07	4.12E-07	1.62E-07	8.25E-07	3.50E-07
2558	493180.5	3860293.11	2.61E-03	2.67E-03	2.52E-03	9.04E-07	2.73E-06	1.58E-06	1.62E-06	1.47E-06	6.69E-07	6.31E-07	3.02E-08	7.29E-07	1.61E-07	2.20E-07	3.48E-07	6.14E-08	4.16E-08	1.59E-06	8.24E-07	3.50E-07	4.11E-07	1.62E-07	8.24E-07	3.50E-07
2559	493230.5	3860293.11	2.56E-03	2.63E-03	2.48E-03	8.87E-07	2.68E-06	1.55E-06	1.59E-06	1.44E-06	6.57E-07	6.20E-07	2.96E-08	7.16E-07	1.58E-07	2.16E-07	3.42E-07	6.03E-08	4.09E-08	1.56E-06	8.09E-07	3.43E-07	4.04E-07	1.59E-07	8.09E-07	3.43E-07
2560	493280.5	3860293.11	2.47E-03	2.53E-03	2.39E-03	8.55E-07	2.58E-06	1.49E-06	1.53E-06	1.39E-06	6.33E-07	5.97E-07	2.85E-08	6.89E-07	1.52E-07	2.08E-07	3.30E-07	5.81E-08	3.94E-08	1.50E-06	7.79E-07	3.31E-07	3.89E-07	1.53E-07	7.79E-07	3.31E-07
2561	493330.5	3860293.11	2.40E-03	2.46E-03	2.32E-03	8.31E-07	2.51E-06	1.45E-06	1.49E-06	1.35E-06	6.16E-07	5.81E-07	2.78E-08	6.70E-07	1.48E-07	2.02E-07	3.21E-07	5.65E-08	3.83E-08	1.46E-06	7.58E-07	3.22E-07	3.78E-07	1.49E-07	7.58E-07	3.22E-07
2562	493380.5	3860293.11	2.35E-03	2.40E-03	2.27E-03	8.12E-07	2.45E-06	1.42E-06	1.45E-06	1.32E-06	6.02E-07	5.67E-07	2.71E-08	6.55E-07	1.45E-07	1.97E-07	3.13E-07	5.52E-08	3.74E-08	1.43E-06	7.41E-07	3.14E-07	3.70E-07	1.45E-07	7.41E-07	3.14E-07
2563	492880.5	3860343.11	3.31E-03	3.39E-03	3.20E-03	1.15E-06	3.46E-06	2.00E-06	2.05E-06	1.86E-06	8.48E-07	8.00E-07	3.82E-08	9.24E-07	2.04E-07	2.78E-07	4.42E-07	7.78E-08	5.28E-08	2.02E-06	1.04E-06	4.43E-07	5.21E-07	2.05E-07	1.04E-06	4.43E-07
2564	492930.5	3860343.11	3.20E-03	3.28E-03	3.09E-03	1.11E-06	3.34E-06	1.94E-06	1.98E-06	1.80E-06	8.20E-07	7.74E-07	3.70E-08	8.93E-07	1.97E-07	2.69E-07	4.27E-07	7.53E-08	5.10E-08	1.95E-06	1.01E-06	4.28E-07	5.04E-07	1.98E-07	1.01E-06	4.28E-07
2565	492980.5	3860343.11	3.01E-03	3.08E-03	2.91E-03	1.04E-06	3.15E-06	1.82E-06	1.86E-06	1.69E-06	7.71E-07	7.28E-07	3.48E-08	8.40E-07	1.85E-07	2.53E-07	4.02E-07	7.08E-08	4.80E-08	1.83E-06	9.50E-07	4.03E-07	4.74E-07	1.86E-07	9.50E-07	4.03E-07
2566	493030.5	3860343.11	2.91E-03	2.99E-03	2.82E-03	1.01E-06	3.05E-06	1.76E-06	1.81E-06	1.64E-06	7.47E-07	7.05E-07	3.37E-08	8.14E-07	1.80E-07	2.45E-07	3.89E-07	6.86E-08	4.65E-08	1.78E-06	9.20E-07	3.90E-07	4.59E-07	1.80E-07	9.20E-07	3.90E-07
2567	493080.5	3860343.11	2.75E-03	2.82E-03	2.66E-03	9.52E-07	2.88E-06	1.66E-06	1.70E-06	1.55E-06	7.05E-07	6.65E-07	3.18E-08	7.68E-07	1.69E-07	2.31E-07	3.67E-07	6.47E-08	4.39E-08	1.68E-06	8.68E-07	3.68E-07	4.33E-07	1.70E-07	8.68E-07	3.68E-07
2568	493130.5	3860343.11	2.71E-03	2.78E-03	2.62E-03	9.39E-07	2.83E-06	1.64E-06	1.68E-06	1.52E-06	6.95E-07	6.56E-07	3.13E-08	7.57E-07	1.67E-07	2.28E-07	3.62E-07	6.38E-08	4.32E-08	1.65E-06	8.56E-07	3.63E-07	4.27E-07	1.68E-07	8.56E-07	3.63E-07
2569	493180.5	3860343.11	2.71E-03	2.77E-03	2.62E-03	9.37E-07	2.83E-06	1.64E-06	1.68E-06	1.52E-06	6.94E-07	6.55E-07	3.13E-08	7.56E-07	1.67E-07	2.28E-07	3.61E-07	6.37E-08	4.32E-08	1.65E-06	8.55E-07	3.63E-07	4.27E-07	1.68E-07	8.55E-07	3.63E-07
2570	493230.5	3860343.11	2.66E-03	2.72E-03	2.57E-03	9.21E-07	2.78E-06	1.61E-06	1.65E-06	1.49E-06	6.82E-07	6.43E-07	3.07E-08	7.43E-07	1.64E-07	2.24E-07	3.55E-07	6.26E-08	4.24E-08	1.62E-06	8.39E-07	3.56E-07	4.19E-07	1.65E-07	8.39E-07	3.56E-07
2571	493280.5	3860343.11	2.56E-03	2.62E-03	2.47E-03	8.86E-07	2.68E-06	1.55E-06	1.59E-06	1.44E-06	6.56E-07	6.19E-07	2.96E-08	7.15E-07	1.58E-07	2.15E-07	3.42E-07	6.02E-08	4.08E-08	1.56E-06	8.08E-07	3.43E-07	4.03E-07	1.58E-07	8.08E-07	3.43E-07
2572	493330.5	3860343.11	2.48E-03	2.54E-03	2.40E-03	8.59E-07	2.59E-06	1.50E-06	1.54E-06	1.39E-06	6.36E-07	6.00E-07	2.87E-08	6.93E-07	1.53E-07	2.09E-07	3.31E-07	5.84E-08	3.96E-08	1.51E-06	7.83E-07	3.32E-07	3.91E-07	1.54E-07	7.83E-07	3.32E-07
2573	493380.5	3860343.11	2.43E-03	2.49E-03	2.35E-03	8.40E-07	2.54E-06	1.47E-06	1.50E-06	1.36E-06	6.22E-07	5.87E-07	2.81E-08	6.78E-07	1.50E-07	2.04E-07	3.24E-07	5.71E-08	3.87E-08	1.48E-06	7.66E-07	3.25E-07	3.82E-07	1.50E-07	7.66E-07	3.25E-07
2574	492880.5	3860393.11	3.47E-03	3.55E-03	3.35E-03	1.20E-06	3.63E-06	2.10E-06	2.15E-06	1.95E-06	8.89E-07	8.39E-07	4.01E-08	9.68E-07	2.14E-07	2.92E-07	4.63E-07	8.16E-08	5.53E-08	2.11E-06	1.09E-06	4.64E-07	5.46E-07	2.15E-07	1.09E-06	4.64E-07
2575	492930.5	3860393.11	3.34E-03	3.42E-03	3.23E-03	1.16E-06	3.49E-06	2.02E-06	2.07E-06	1.88E-06	8.56E-07	8.07E-07	3.86E-08	9.32E-07	2.06E-07	2.81E-07	4.46E-07	7.85E-08	5.32E-08	2.03E-06	1.05E-06	4.47E-07	5.26E-07	2.07E-07	1.05E-06	4.47E-07
2576	492980.5	3860393.11	3.18E-03	3.26E-03	3.08E-03	1.10E-06	3.33E-06	1.93E-06	1.97E-06	1.79E-06	8.16E-07	7.70E-07	3.68E-08	8.89E-07	1.96E-07	2.68E-07	4.25E-07	7.49E-08	5.08E-08	1.94E-06	1.00E-06	4.26E-07	5.02E-07	1.97E-07	1.00E-06	4.26E-07
2577	493030.5	3860393.11	3.06E-03	3.13E-03	2.95E-03	1.06E-06	3.20E-06	1.85E-06	1.90E-06	1.72E-06	7.84E-07	7.39E-07	3.53E-08	8.54E-07	1.88E-07	2.57E-07	4.08E-07	7.19E-08	4.88E-08	1.86E-06	9.65E-07	4.10E-07	4.82E-07	1.89E-07	9.65E-07	4.10E-07
2578	493080.5	3860393.11	2.88E-03	2.95E-03	2.79E-03	9.98E-07	3.01E-06	1.74E-06	1.79E-06	1.62E-06	7.39E-07	6.97E-07	3.33E-08	8.05E-07	1.78E-07	2.43E-07	3.85E-07	6.78E-08	4.60E-08	1.76E-06	9.10E-07	3.86E-07	4.54E-07	1.78E-07	9.10E-07	3.86E-07
2579	493130.5	3860393.11	2.85E-03	2.92E-03	2.76E-03	9.88E-07	2.98E-06	1.73E-06	1.77E-06	1.60E-06	7.31E-07	6.90E-07	3.30E-08	7.97E-07	1.76E-07	2.40E-07	3.81E-07	6.71E-08	4.55E-08	1.74E-06	9.00E-07	3.82E-07	4.49E-07	1.77E-07	9.00E-07	3.82E-07
2580	493180.5	3860393.11	2.84E-03	2.91E-03	2.74E-03	9.83E-07	2.97E-06	1.72E-06	1.76E-06	1.60E-06	7.28E-07	6.87E-07	3.28E-08	7.93E-07	1.75E-07	2.39E-07	3.79E-07	6.68E-08	4.53E-08	1.73E-06	8.97E-07	3.80E-07	4.48E-07	1.76E-07	8.97E-07	3.80E-07
2581	493230.5	3860393.11	2.77E-03	2.84E-03	2.67E-03	9.58E-07	2.89E-06	1.68E-06	1.72E-06	1.56E-06	7.10E-07	6.69E-07	3.20E-08	7.73E-07	1.71E-07	2.33E-07	3.70E-07	6.51E-08	4.42E-08	1.69E-06	8.74E-07	3.71E-07	4.36E-07	1.71E-07	8.74E-07	3.71E-07
2582	493280.5	3860393.11	2.66E-03	2.72E-03	2.57E-03	9.21E-07	2.78E-06	1.61E-06	1.65E-06	1.49E-06	6.82E-07	6.43E-07	3.07E-08	7.43E-07	1.64E-07	2.24E-07	3.55E-07	6.26E-08	4.24E-08	1.62E-06	8.39E-07	3.56E-07	4.19E-07	1.65E-07	8.39E-07	3.56E-07
2583	493330.5	3860393.11	2.58E-03	2.64E-03	2.49E-03	8.92E-07	2.69E-06	1.56E-06	1.60E-06	1.45E-06	6.60E-07	6.23E-07	2.98E-08	7.19E-07	1.59E-07	2.17E-07	3.44E-07	6.06E-08	4.11E-08	1.57E-06	8.13E-07	3.45E-07	4.06E-07	1.59E-07	8.13E-07	3.45E-07
2584	493380.5	3860393.11	2.51E-03	2.57E-03	2.43E-03	8.70E-07	2.63E-06	1.52E-06	1.56E-06	1.41E-06	6.44E-07	6.08E-07	2.91E-08	7.02E-07	1.55E-07	2.11E-07	3.35E-07	5.91E-08	4.01E-08	1.53E-06	7.93E-07	3.37E-07	3.96E-07	1.56E-07	7.93E-07	3.37E-07
2585	492880.5	3860443.11	3.63E-03	3.72E-03	3.51E-03	1.26E-06	3.79E-06	2.20E-06	2.25E-06	2.04E-06	9.30E-07	8.77E-07	4.20E-08	1.01E-06	2.24E-07	3.05E-07	4.84E-07	8.54E-08	5.79E-08	2.21E-06	1.15E-06	4.86E-07	5.72E-07	2.25E-07	1.15E-06	4.86E-07
2586	492930.5	3860443.11	3.51E-03	3.60E-03	3.39E-03	1.22E-06	3.67E-06	2.13E-06	2.18E-06	1.97E-06	9.00E-07	8.49E-07	4.06E-08	9.81E-07	2.16E-07	2.96E-07	4.69E-07	8.26E-08	5.60E-08	2.14E-06	1.11E-06	4.70E-07	5.53E-07	2.17E-07	1.11E-06	4.70E-07
2587	492980.5	3860443.11	3.37E-03	3.45E-03	3.25E-03	1.17E-06	3.52E-06	2.04E-06	2.09E-06	1.89E-06	8.63E-07	8.14E-07	3.89E-08	9.40E-07	2.07E-07	2.83E-07	4.49E-07	7.92E-08	5.37E-08	2.05E-06	1.06E-06	4.51E-07	5.30E-07	2.08E-07	1.06E-06	4.51E-07
2588	493030.5	3860443.11	3.23E-03	3.31E-03	3.12E-03	1.12E-06	3.38E-06	1.95E-06	2.00E-06	1.81E-06	8.28E-07	7.81E-07	3.73E-08	9.02E-07	1.99E-07	2.72E-07	4.31E-07	7.60E-08	5.15E-08	1.97E-06	1.02E-06	4.33E-07	5.09E-07	2.00E-07	1.02E-06	4.33E-07
2589	493080.5	3860443.11	3.12E-03	3.20E-03	3.02E-03	1.08E-06	3.27E-06	1.89E-06	1.94E-06	1.76E-06	8.01E-07	7.55E-07	3.61E-08	8.72E-07	1.93E-07	2.63E-07	4.17E-07	7.35E-08	4.98E-08	1.90E-06	9.86E-07	4.18E-07	4.92E-07	1.93E-07	9.86E-07	4.18E-07
2590	493130.5	3860443.11	3.03E-03	3.10E-03	2.92E-03	1.05E-06	3.16E-06	1.83E-06	1.88E-06	1.70E-06	7.76E-07	7.32E-07	3.50E-08	8.45E-07	1.87E-07	2.55E-07	4.04E-07	7.12E-08	4.83E-08	1.84E-06	9.55E-07	4.05E-07	4.77E-07	1.87E-07	9.55E-07	4.05E-07
2591	493180.5	3860443.11	3.00E-03	3.07E-03	2.89E-03	1.04E-06	3.13E-06	1.81E-06	1.86E-06	1.68E-06	7.68E-07	7.24E-07	3.46E-08	8.37E-07	1.85E-07	2.52E-07	4.00E-07	7.05E-08	4.78E-08	1.83E-06	9.46E-07	4.01E-07	4.72E-07	1.85E-07	9.46E-07	4.01E-07
2592	493230.5	3860443.11	2.87E-03	2.94E-03	2.78E-03	9.95E-07	3.00E-06	1.74E-06	1.78E-06	1.61E-06	7.37E-07	6.95E-07	3.32E-08	8.02E-07	1.77E-07	2.42E-07	3.84E-07	6.76E-08	4.58E-08	1.75E-06	9.07E-07	3.85E-07	4.53E-07	1.78E-07	9.07E-07	3.85E-07
2593	493280.5	3860443.11	2.78E-03	2.85E-03	2.69E-03	9.63E-07	2.91E-06	1.68E-06	1.72E-06	1.56E-06	7.13E-07	6.72E-07	3.21E-08	7.76E-07	1.71E-07	2.34E-07	3.71E-07	6.54E-08	4.43E-08	1.69E-06	8.78E-07	3.72E-07	4.38E-07	1.72E-07	8.78E-07	3.72E-07
2594	493330.5	3860443.11	2.67E-03	2.74E-03	2.58E-03	9.25E-07	2.79E-06	1.62E-06	1.66E-06	1.50E-06	6.85E-07	6.46E-07	3.09E-08	7.46E-07	1.65E-07	2.25E-07	3.57E-07	6.29E-08	4.26E-08	1.63E-06	8.44E-07	3.58E-07	4.21E-07	1.65E-07	8.44E-07	3.58E-07
2595	493380.5	3860443.11	2.62E-03	2.69E-03	2.54E-03	9.08E-07	2.74E-06	1.59E-06	1.63E-06	1.47E-06	6.73E-07	6.34E-07	3.03E-08	7.33E-07	1.62E-07	2.21E-07	3.50E-07	6.17E-08	4.19E-08	1.60E-06	8.28E-07	3.51E-07	4.13E-07	1.62E-07	8.28E-07	3.51E-07
2596	493180.5	3860493.11	3.11E-03	3.19E-03	3.01E-03	1.08E-06	3.25E-06	1.88E-06	1.93E-06	1.75E-06	7.98E-07	7.53E-07	3.60E-08	8.70E-07	1.92E-07	2.62E-07	4.16E-07	7.33E-08	4.97E-08	1.90E-06	9.83E-07	4.17E-07	4.91E-07	1.93E-07	9.83E-07	4.17E-07
2597	493230.5	3860493.11	3.01E-03	3.08E-03	2.90E-03	1.04E-06	3.14E-06	1.82E-06	1.86E-06	1.69E-06	7.71E-07	7.27E-07	3.48E-08	8.39E-07	1.85E-07	2.53E-07	4.01E-07	7.07E-08	4.79E-08	1.83E-06	9.49E-07	4.03E-07	4.74E-07	1.86E-07	9.49E-07	4.03E-07
2598	493280.5	3860493.11	2.90E-03	2.97E-03	2.80E-03	1.00E-06	3.03E-06	1.76E-06	1.80E-06	1.63E-06	7.44E-07	7.02E-07	3.35E-08	8.10E-07	1.79E-07	2.44E-07	3.87E-07	6.83E-08	4.63E-08	1.77E-06	9.16E-07	3.89E-07	4.57E-07	1.80E-07	9.16E-07	3.89E-07
2599	493330.5	3860493.11	2.81E-03	2.88E-03	2.72E-03	9.74E-07	2.94E-06	1.70E-06	1.74E-06	1.58E-06	7.21E-07	6.80E-07	3.25E-08	7.85E-07	1.73E-07	2.37E-07	3.75E-07	6.62E-08	4.49E-08	1.71E-06	8.88E-07	3.77E-07	4.43E-07	1.74E-07	8.88E-07	3.77E-07
2600	493380.5	3860493.11	2.76E-03	2.83E-03	2.67E-03	9.55E-07	2.88E-06	1.67E-06	1.71E-06	1.55E-06	7.07E-07	6.67E-07	3.19E-08	7.71E-07	1.70E-07	2.32E-07	3.68E-07	6.49E-08	4.40E-08	1.68E-06	8.71E-07	3.70E-07	4.35E-07	1.71E-07	8.71E-07	3.70E-07
2601	493330.5	3860543.11	2.94E-03	3.01E-03	2.84E-03	1.02E-06	3.07E-06	1.78E-06	1.82E-06	1.65E-06	7.54E-07	7.11E-07	3.40E-08	8.21E-07	1.81E-07	2.47E-07	3.93E-07	6.92E-08	4.69E-08	1.79E-06	9.28E-07	3.94E-07	4.63E-07	1.82E-07	9.28E-07	3.94E-07
2602	493380.5	3860543.11	2.88E-03	2.95E-03	2.79E-03	9.98E-07	3.01E-06	1.74E-06	1.79E-06	1.62E-06	7.39E-07	6.97E-07	3.33E-08	8.05E-07	1.78E-07	2.43E-07	3.85E-07	6.78E-08	4.60E-08	1.76E-06	9.10E-07	3.86E-07	4.54E-07	1.78E-07	9.10E-07	3.86E-07
2603	494135.94	3860876.85	2.97E-03	3.04E-03	2.87E-03	1.03E-06	3.11E-06	1.80E-06	1.84E-06	1.67E-06	7.62E-07	7.18E-07	3.43E-08	8.30E-07	1.83E-07	2.50E-07	3.97E-07	6.99E-08	4.74E-08	1.81E-06	9.38E-07	3.98E-07	4.68E-07	1.84E-07	9.38E-07	3.98E-07
2604	494185.94	3860876.85	2.92E-03	2.99E-03	2.82E-03	1.01E-06	3.06E-06	1.77E-06	1.81E-06	1.64E-06	7.49E-07	7.07E-07	3.38E-08	8.16E-07	1.80E-07	2.46E-07	3.90E-07	6.88E-08	4.66E-08	1.78E-06	9.23E-07	3.92E-07	4.61E-07	1.81E-07	9.23E-07	3.92E-07
2605	494135.94	3860926.85	3.17E-03	3.25E-03	3.06E-03	1.10E-06	3.31E-06	1.92E-06	1.96E-06	1.78E-06	8.13E-07	7.67E-07	3.66E-08	8.85E-07	1.95E-07	2.67E-07	4.23E-07	7.46E-08	5.06E-08	1.93E-06	1.00E-06	4.25E-07	4.99E-07	1.96E-07	1.00E-06	4.25E-07
2606	494185.94	3860926.85	3.11E-03	3.19E-03	3.01E-03	1.08E-06	3.25E-06	1.88E-06	1.93E-06	1.75E-06	7.98E-07	7.53E-07	3.60E-08	8.70E-07	1.92E-07	2.62E-07	4.16E-07	7.33E-08	4.97E-08	1.90E-06	9.83E-07	4.17E-07	4.91E-07	1.93E-07	9.83E-07	4.17E-07
2607	494135.94	3860976.85	3.40E-03	3.48E-03	3.29E-03	1.18E-06	3.55E-06	2.06E-06	2.11E-06	1.91E-06	8.72E-07	8.22E-07	3.93E-08	9.49E-07	2.10E-07	2.86E-07	4.54E-07	8.00E-08	5.42E-08	2.07E-06	1.07E-06	4.55E-07	5.36E-07	2.10E-07	1.07E-06	4.55E-07
2608	494185.94	3860976.85	3.34E-03	3.42E-03	3.22E-03	1.15E-06	3.49E-06	2.02E-06	2.07E-06	1.87E-06	8.55E-07	8.06E-07	3.86E-08	9.31E-07	2.06E-07	2.81E-07	4.45E-07	7.85E-08	5.32E-08	2.03E-06	1.05E-06	4.47E-07	5.25E-07	2.06E-07	1.05E-06	4.47E-07
2609	494135.94	3861026.85	3.68E-03	3.77E-03	3.55E-03	1.27E-06	3.84E-06	2.23E-06	2.28E-06	2.07E-06	9.43E-07	8.89E-07	4.25E-08	1.03E-06	2.27E-07	3.09E-07	4.91E-07	8.65E-08	5.87E-08	2.24E-06	1.16E-06	4.93E-07	5.79E-07	2.28E-07	1.16E-06	4.93E-07
2610	494185.94	3861026.85	3.60E-03	3.69E-03	3.48E-03	1.25E-06	3.77E-06	2.18E-06	2.23E-06	2.02E-06	9.23E-07	8.71E-07	4.16E-08	1.01E-06	2.22E-07	3.03E-07	4.81E-07	8.47E-08	5.75E-08	2.20E-06	1.14E-06	4.82E-07	5.68E-07	2.23E-07	1.14E-06	4.82E-07
2611	494135.94	3861076.85	4.02E-03	4.11E-03	3.88E-03	1.39E-06	4.20E-06	2.43E-06	2.49E-06	2.26E-06	1.03E-06	9.71E-07	4.64E-08	1.12E-06	2.47E-07	3.38E-07	5.36E-07	9.45E-08	6.40E-08	2.45E-06	1.27E-06	5.38E-07	6.33E-07	2.49E-07	1.27E-06	5.38E-07

2612	494185.94	3861076.85	3.93E-03	4.02E-03	3.79E-03	1.36E-06	4.10E-06	2.38E-06	2.43E-06	2.21E-06	1.01E-06	9.50E-07	4.54E-08	1.10E-06	2.42E-07	3.30E-07	5.24E-07	9.24E-08	6.26E-08	2.39E-06	1.24E-06	5.26E-07	6.19E-07	2.43E-07	1.24E-06	5.26E-07
2613	490360.04	3858710.04	2.83E-03	2.90E-03	2.74E-03	9.80E-07	2.96E-06	1.71E-06	1.76E-06	1.59E-06	7.26E-07	6.85E-07	3.27E-08	7.91E-07	1.75E-07	2.38E-07	3.78E-07	6.66E-08	4.52E-08	1.73E-06	8.94E-07	3.79E-07	4.46E-07	1.75E-07	8.94E-07	3.79E-07
2614	490410.04	3858710.04	2.75E-03	2.82E-03	2.66E-03	9.53E-07	2.88E-06	1.67E-06	1.71E-06	1.55E-06	7.06E-07	6.66E-07	3.18E-08	7.69E-07	1.70E-07	2.32E-07	3.67E-07	6.48E-08	4.39E-08	1.68E-06	8.69E-07	3.69E-07	4.34E-07	1.70E-07	8.69E-07	3.69E-07
2615	490460.04	3858710.04	2.66E-03	2.73E-03	2.57E-03	9.21E-07	2.78E-06	1.61E-06	1.65E-06	1.49E-06	6.82E-07	6.43E-07	3.08E-08	7.43E-07	1.64E-07	2.24E-07	3.55E-07	6.26E-08	4.24E-08	1.62E-06	8.40E-07	3.56E-07	4.19E-07	1.65E-07	8.40E-07	3.56E-07
2616	490510.04	3858710.04	2.59E-03	2.65E-03	2.50E-03	8.96E-07	2.71E-06	1.57E-06	1.60E-06	1.45E-06	6.64E-07	6.26E-07	2.99E-08	7.23E-07	1.59E-07	2.18E-07	3.46E-07	6.09E-08	4.13E-08	1.58E-06	8.17E-07	3.47E-07	4.08E-07	1.60E-07	8.17E-07	3.47E-07
2617	490560.04	3858710.04	2.53E-03	2.59E-03	2.44E-03	8.74E-07	2.64E-06	1.53E-06	1.56E-06	1.42E-06	6.47E-07	6.11E-07	2.92E-08	7.05E-07	1.56E-07	2.12E-07	3.37E-07	5.94E-08	4.03E-08	1.54E-06	7.97E-07	3.38E-07	3.98E-07	1.56E-07	7.97E-07	3.38E-07
2618	490610.04	3858710.04	2.46E-03	2.52E-03	2.38E-03	8.52E-07	2.57E-06	1.49E-06	1.53E-06	1.38E-06	6.31E-07	5.95E-07	2.85E-08	6.87E-07	1.52E-07	2.07E-07	3.29E-07	5.79E-08	3.93E-08	1.50E-06	7.77E-07	3.30E-07	3.88E-07	1.52E-07	7.77E-07	3.30E-07
2619	490660.04	3858710.04	2.41E-03	2.47E-03	2.33E-03	8.36E-07	2.52E-06	1.46E-06	1.50E-06	1.36E-06	6.19E-07	5.84E-07	2.79E-08	6.74E-07	1.49E-07	2.03E-07	3.22E-07	5.68E-08	3.85E-08	1.47E-06	7.62E-07	3.23E-07	3.80E-07	1.49E-07	7.62E-07	3.23E-07
2620	490710.04	3858710.04	2.35E-03	2.40E-03	2.27E-03	8.12E-07	2.45E-06	1.42E-06	1.45E-06	1.32E-06	6.02E-07	5.67E-07	2.71E-08	6.55E-07	1.45E-07	1.97E-07	3.13E-07	5.52E-08	3.74E-08	1.43E-06	7.41E-07	3.14E-07	3.70E-07	1.45E-07	7.41E-07	3.14E-07
2621	490760.04	3858710.04	2.29E-03	2.34E-03	2.21E-03	7.92E-07	2.39E-06	1.38E-06	1.42E-06	1.29E-06	5.86E-07	5.53E-07	2.64E-08	6.39E-07	1.41E-07	1.92E-07	3.05E-07	5.38E-08	3.65E-08	1.39E-06	7.22E-07	3.06E-07	3.60E-07	1.42E-07	7.22E-07	3.06E-07
2622	490810.04	3858710.04	2.23E-03	2.29E-03	2.16E-03	7.72E-07	2.33E-06	1.35E-06	1.38E-06	1.25E-06	5.72E-07	5.40E-07	2.58E-08	6.23E-07	1.37E-07	1.88E-07	2.98E-07	5.25E-08	3.56E-08	1.36E-06	7.04E-07	2.99E-07	3.52E-07	1.38E-07	7.04E-07	2.99E-07
2623	490860.04	3858710.04	2.17E-03	2.22E-03	2.09E-03	7.51E-07	2.27E-06	1.31E-06	1.34E-06	1.22E-06	5.56E-07	5.24E-07	2.51E-08	6.05E-07	1.34E-07	1.82E-07	2.89E-07	5.10E-08	3.46E-08	1.32E-06	6.84E-07	2.90E-07	3.42E-07	1.34E-07	6.84E-07	2.90E-07
2624	490360.04	3858760.04	2.95E-03	3.02E-03	2.85E-03	1.02E-06	3.08E-06	1.79E-06	1.83E-06	1.66E-06	7.56E-07	7.13E-07	3.41E-08	8.24E-07	1.82E-07	2.48E-07	3.94E-07	6.94E-08	4.71E-08	1.80E-06	9.31E-07	3.95E-07	4.65E-07	1.83E-07	9.31E-07	3.95E-07
2625	490410.04	3858760.04	2.86E-03	2.93E-03	2.76E-03	9.90E-07	2.99E-06	1.73E-06	1.77E-06	1.61E-06	7.33E-07	6.92E-07	3.31E-08	7.99E-07	1.76E-07	2.41E-07	3.82E-07	6.73E-08	4.56E-08	1.74E-06	9.03E-07	3.83E-07	4.51E-07	1.77E-07	9.03E-07	3.83E-07
2626	490460.04	3858760.04	2.77E-03	2.84E-03	2.67E-03	9.58E-07	2.89E-06	1.68E-06	1.72E-06	1.56E-06	7.10E-07	6.69E-07	3.20E-08	7.73E-07	1.71E-07	2.33E-07	3.70E-07	6.51E-08	4.42E-08	1.69E-06	8.74E-07	3.71E-07	4.36E-07	1.71E-07	8.74E-07	3.71E-07
2627	490510.04	3858760.04	2.68E-03	2.74E-03	2.59E-03	9.27E-07	2.80E-06	1.62E-06	1.66E-06	1.50E-06	6.87E-07	6.48E-07	3.10E-08	7.48E-07	1.65E-07	2.25E-07	3.58E-07	6.30E-08	4.27E-08	1.63E-06	8.45E-07	3.59E-07	4.22E-07	1.66E-07	8.45E-07	3.59E-07
2628	490560.04	3858760.04	2.60E-03	2.67E-03	2.52E-03	9.01E-07	2.72E-06	1.58E-06	1.61E-06	1.46E-06	6.67E-07	6.29E-07	3.01E-08	7.27E-07	1.60E-07	2.19E-07	3.48E-07	6.12E-08	4.15E-08	1.59E-06	8.22E-07	3.49E-07	4.10E-07	1.61E-07	8.22E-07	3.49E-07
2629	490610.04	3858760.04	2.53E-03	2.59E-03	2.44E-03	8.75E-07	2.64E-06	1.53E-06	1.57E-06	1.42E-06	6.48E-07	6.11E-07	2.92E-08	7.06E-07	1.56E-07	2.13E-07	3.37E-07	5.95E-08	4.03E-08	1.54E-06	7.98E-07	3.39E-07	3.98E-07	1.56E-07	7.98E-07	3.39E-07
2630	490660.04	3858760.04	2.46E-03	2.52E-03	2.38E-03	8.52E-07	2.57E-06	1.49E-06	1.52E-06	1.38E-06	6.31E-07	5.95E-07	2.84E-08	6.87E-07	1.52E-07	2.07E-07	3.28E-07	5.79E-08	3.92E-08	1.50E-06	7.77E-07	3.29E-07	3.88E-07	1.52E-07	7.77E-07	3.29E-07
2631	490710.04	3858760.04	2.40E-03	2.45E-03	2.31E-03	8.29E-07	2.50E-06	1.45E-06	1.48E-06	1.35E-06	6.14E-07	5.79E-07	2.77E-08	6.69E-07	1.48E-07	2.02E-07	3.20E-07	5.63E-08	3.82E-08	1.46E-06	7.56E-07	3.21E-07	3.77E-07	1.48E-07	7.56E-07	3.21E-07
2632	490760.04	3858760.04	2.33E-03	2.38E-03	2.25E-03	8.05E-07	2.43E-06	1.41E-06	1.44E-06	1.31E-06	5.96E-07	5.62E-07	2.69E-08	6.49E-07	1.43E-07	1.96E-07	3.10E-07	5.47E-08	3.71E-08	1.42E-06	7.34E-07	3.11E-07	3.66E-07	1.44E-07	7.34E-07	3.11E-07
2633	490810.04	3858760.04	2.26E-03	2.32E-03	2.19E-03	7.83E-07	2.36E-06	1.37E-06	1.40E-06	1.27E-06	5.80E-07	5.47E-07	2.62E-08	6.32E-07	1.39E-07	1.90E-07	3.02E-07	5.32E-08	3.61E-08	1.38E-06	7.14E-07	3.03E-07	3.56E-07	1.40E-07	7.14E-07	3.03E-07
2634	490860.04	3858760.04	2.21E-03	2.26E-03	2.13E-03	7.64E-07	2.31E-06	1.34E-06	1.37E-06	1.24E-06	5.66E-07	5.34E-07	2.55E-08	6.16E-07	1.36E-07	1.86E-07	2.95E-07	5.19E-08	3.52E-08	1.35E-06	6.97E-07	2.96E-07	3.48E-07	1.37E-07	6.97E-07	2.96E-07
2635	490360.04	3858810.04	3.07E-03	3.14E-03	2.96E-03	1.06E-06	3.21E-06	1.86E-06	1.90E-06	1.72E-06	7.87E-07	7.42E-07	3.55E-08	8.57E-07	1.89E-07	2.58E-07	4.10E-07	7.22E-08	4.89E-08	1.87E-06	9.68E-07	4.11E-07	4.83E-07	1.90E-07	9.68E-07	4.11E-07
2636	490410.04	3858810.04	2.97E-03	3.04E-03	2.87E-03	1.03E-06	3.10E-06	1.79E-06	1.84E-06	1.67E-06	7.60E-07	7.17E-07	3.43E-08	8.28E-07	1.83E-07	2.50E-07	3.96E-07	6.98E-08	4.73E-08	1.81E-06	9.36E-07	3.97E-07	4.67E-07	1.84E-07	9.36E-07	3.97E-07
2637	490460.04	3858810.04	2.87E-03	2.94E-03	2.77E-03	9.93E-07	3.00E-06	1.74E-06	1.78E-06	1.61E-06	7.35E-07	6.93E-07	3.31E-08	8.01E-07	1.77E-07	2.41E-07	3.83E-07	6.75E-08	4.57E-08	1.75E-06	9.05E-07	3.84E-07	4.52E-07	1.77E-07	9.05E-07	3.84E-07
2638	490510.04	3858810.04	2.78E-03	2.85E-03	2.69E-03	9.64E-07	2.91E-06	1.69E-06	1.73E-06	1.56E-06	7.14E-07	6.73E-07	3.22E-08	7.78E-07	1.72E-07	2.34E-07	3.72E-07	6.55E-08	4.44E-08	1.70E-06	8.79E-07	3.73E-07	4.39E-07	1.72E-07	8.79E-07	3.73E-07
2639	490560.04	3858810.04	2.70E-03	2.77E-03	2.61E-03	9.35E-07	2.82E-06	1.64E-06	1.67E-06	1.52E-06	6.93E-07	6.53E-07	3.12E-08	7.55E-07	1.66E-07	2.27E-07	3.61E-07	6.36E-08	4.31E-08	1.65E-06	8.53E-07	3.62E-07	4.26E-07	1.67E-07	8.53E-07	3.62E-07
2640	490610.04	3858810.04	2.61E-03	2.67E-03	2.52E-03	9.04E-07	2.73E-06	1.58E-06	1.62E-06	1.47E-06	6.69E-07	6.31E-07	3.02E-08	7.29E-07	1.61E-07	2.20E-07	3.48E-07	6.14E-08	4.16E-08	1.59E-06	8.24E-07	3.50E-07	4.11E-07	1.62E-07	8.24E-07	3.50E-07
2641	490660.04	3858810.04	2.53E-03	2.59E-03	2.45E-03	8.77E-07	2.65E-06	1.53E-06	1.57E-06	1.42E-06	6.49E-07	6.12E-07	2.93E-08	7.07E-07	1.56E-07	2.13E-07	3.38E-07	5.96E-08	4.04E-08	1.54E-06	7.99E-07	3.39E-07	3.99E-07	1.57E-07	7.99E-07	3.39E-07
2642	490710.04	3858810.04	2.45E-03	2.51E-03	2.37E-03	8.50E-07	2.57E-06	1.49E-06	1.52E-06	1.38E-06	6.29E-07	5.93E-07	2.84E-08	6.85E-07	1.51E-07	2.07E-07	3.28E-07	5.77E-08	3.91E-08	1.50E-06	7.75E-07	3.29E-07	3.87E-07	1.52E-07	7.75E-07	3.29E-07
2643	490760.04	3858810.04	2.37E-03	2.42E-03	2.29E-03	8.19E-07	2.47E-06	1.43E-06	1.47E-06	1.33E-06	6.07E-07	5.72E-07	2.74E-08	6.61E-07	1.46E-07	1.99E-07	3.16E-07	5.57E-08	3.78E-08	1.44E-06	7.47E-07	3.17E-07	3.73E-07	1.47E-07	7.47E-07	3.17E-07
2644	490810.04	3858810.04	2.32E-03	2.37E-03	2.24E-03	8.02E-07	2.42E-06	1.40E-06	1.44E-06	1.30E-06	5.94E-07	5.60E-07	2.68E-08	6.47E-07	1.43E-07	1.95E-07	3.09E-07	5.45E-08	3.70E-08	1.41E-06	7.31E-07	3.10E-07	3.65E-07	1.43E-07	7.31E-07	3.10E-07
2645	490860.04	3858810.04	2.25E-03	2.30E-03	2.17E-03	7.78E-07	2.35E-06	1.36E-06	1.39E-06	1.26E-06	5.76E-07	5.43E-07	2.60E-08	6.28E-07	1.38E-07	1.89E-07	3.00E-07	5.29E-08	3.58E-08	1.37E-06	7.09E-07	3.01E-07	3.54E-07	1.39E-07	7.09E-07	3.01E-07
2646	490360.04	3858860.04	3.18E-03	3.26E-03	3.07E-03	1.10E-06	3.33E-06	1.93E-06	1.97E-06	1.79E-06	8.16E-07	7.69E-07	3.68E-08	8.88E-07	1.96E-07	2.68E-07	4.25E-07	7.49E-08	5.07E-08	1.94E-06	1.00E-06	4.26E-07	5.01E-07	1.97E-07	1.00E-06	4.26E-07
2647	490410.04	3858860.04	3.09E-03	3.17E-03	2.99E-03	1.07E-06	3.23E-06	1.87E-06	1.92E-06	1.74E-06	7.93E-07	7.48E-07	3.58E-08	8.64E-07	1.91E-07	2.60E-07	4.13E-07	7.28E-08	4.93E-08	1.89E-06	9.76E-07	4.14E-07	4.87E-07	1.91E-07	9.76E-07	4.14E-07
2648	490460.04	3858860.04	2.98E-03	3.05E-03	2.88E-03	1.03E-06	3.11E-06	1.80E-06	1.85E-06	1.67E-06	7.63E-07	7.20E-07	3.44E-08	8.32E-07	1.84E-07	2.51E-07	3.98E-07	7.01E-08	4.75E-08	1.82E-06	9.40E-07	3.99E-07	4.69E-07	1.84E-07	9.40E-07	3.99E-07
2649	490510.04	3858860.04	2.90E-03	2.97E-03	2.80E-03	1.00E-06	3.03E-06	1.76E-06	1.80E-06	1.63E-06	7.44E-07	7.02E-07	3.35E-08	8.10E-07	1.79E-07	2.44E-07	3.87E-07	6.83E-08	4.63E-08	1.77E-06	9.16E-07	3.89E-07	4.57E-07	1.80E-07	9.16E-07	3.89E-07
2650	490560.04	3858860.04	2.80E-03	2.87E-03	2.71E-03	9.70E-07	2.93E-06	1.70E-06	1.74E-06	1.57E-06	7.18E-07	6.78E-07	3.24E-08	7.83E-07	1.73E-07	2.36E-07	3.74E-07	6.59E-08	4.47E-08	1.71E-06	8.85E-07	3.75E-07	4.42E-07	1.73E-07	8.85E-07	3.75E-07
2651	490610.04	3858860.04	2.69E-03	2.75E-03	2.60E-03	9.31E-07	2.81E-06	1.63E-06	1.67E-06	1.51E-06	6.89E-07	6.50E-07	3.11E-08	7.51E-07	1.66E-07	2.26E-07	3.59E-07	6.33E-08	4.29E-08	1.64E-06	8.49E-07	3.60E-07	4.24E-07	1.66E-07	8.49E-07	3.60E-07
2652	490660.04	3858860.04	2.61E-03	2.67E-03	2.52E-03	9.02E-07	2.72E-06	1.58E-06	1.62E-06	1.46E-06	6.68E-07	6.30E-07	3.01E-08	7.28E-07	1.61E-07	2.19E-07	3.48E-07	6.13E-08	4.16E-08	1.59E-06	8.23E-07	3.49E-07	4.11E-07	1.61E-07	8.23E-07	3.49E-07
2653	490710.04	3858860.04	2.54E-03	2.60E-03	2.45E-03	8.78E-07	2.65E-06	1.54E-06	1.57E-06	1.43E-06	6.50E-07	6.13E-07	2.93E-08	7.08E-07	1.56E-07	2.13E-07	3.39E-07	5.97E-08	4.05E-08	1.55E-06	8.01E-07	3.40E-07	4.00E-07	1.57E-07	8.01E-07	3.40E-07
2654	490760.04	3858860.04	2.45E-03	2.50E-03	2.36E-03	8.47E-07	2.56E-06	1.48E-06	1.52E-06	1.37E-06	6.27E-07	5.91E-07	2.83E-08	6.83E-07	1.51E-07	2.06E-07	3.26E-07	5.75E-08	3.90E-08	1.49E-06	7.72E-07	3.27E-07	3.85E-07	1.51E-07	7.72E-07	3.27E-07
2655	490810.04	3858860.04	2.36E-03	2.42E-03	2.28E-03	8.18E-07	2.47E-06	1.43E-06	1.46E-06	1.33E-06	6.06E-07	5.71E-07	2.73E-08	6.60E-07	1.46E-07	1.99E-07	3.15E-07	5.56E-08	3.77E-08	1.44E-06	7.46E-07	3.16E-07	3.72E-07	1.46E-07	7.46E-07	3.16E-07
2656	490860.04	3858860.04	2.28E-03	2.34E-03	2.21E-03	7.90E-07	2.39E-06	1.38E-06	1.41E-06	1.28E-06	5.85E-07	5.52E-07	2.64E-08	6.38E-07	1.41E-07	1.92E-07	3.05E-07	5.37E-08	3.64E-08	1.39E-06	7.21E-07	3.06E-07	3.60E-07	1.41E-07	7.21E-07	3.06E-07
2657	490360.04	3858910.04	3.36E-03	3.44E-03	3.25E-03	1.16E-06	3.51E-06	2.03E-06	2.08E-06	1.89E-06	8.61E-07	8.12E-07	3.88E-08	9.38E-07	2.07E-07	2.83E-07	4.48E-07	7.90E-08	5.36E-08	2.05E-06	1.06E-06	4.50E-07	5.29E-07	2.08E-07	1.06E-06	4.50E-07
2658	490410.04	3858910.04	3.24E-03	3.32E-03	3.13E-03	1.12E-06	3.39E-06	1.96E-06	2.01E-06	1.82E-06	8.31E-07	7.84E-07	3.75E-08	9.05E-07	2.00E-07	2.73E-07	4.33E-07	7.62E-08	5.17E-08	1.98E-06	1.02E-06	4.34E-07	5.11E-07	2.01E-07	1.02E-06	4.34E-07
2659	490460.04	3858910.04	3.13E-03	3.20E-03	3.02E-03	1.08E-06	3.27E-06	1.89E-06	1.94E-06	1.76E-06	8.01E-07	7.56E-07	3.61E-08	8.73E-07	1.93E-07	2.63E-07	4.17E-07	7.35E-08	4.99E-08	1.91E-06	9.87E-07	4.19E-07	4.92E-07	1.93E-07	9.87E-07	4.19E-07
2660	490510.04	3858910.04	3.01E-03	3.08E-03	2.91E-03	1.04E-06	3.15E-06	1.82E-06	1.86E-06	1.69E-06	7.71E-07	7.28E-07	3.48E-08	8.40E-07	1.85E-07	2.53E-07	4.02E-07	7.08E-08	4.80E-08	1.83E-06	9.50E-07	4.03E-07	4.74E-07	1.86E-07	9.50E-07	4.03E-07
2661	490560.04	3858910.04	2.89E-03	2.96E-03	2.80E-03	1.00E-06	3.03E-06	1.75E-06	1.79E-06	1.63E-06	7.42E-07	7.00E-07	3.35E-08	8.08E-07	1.78E-07	2.44E-07	3.86E-07	6.81E-08	4.62E-08	1.76E-06	9.13E-07	3.88E-07	4.56E-07	1.79E-07	9.13E-07	3.88E-07
2662	490610.04	3858910.04	2.78E-03	2.85E-03	2.69E-03	9.63E-07	2.91E-06	1.68E-06	1.72E-06	1.56E-06	7.13E-07	6.73E-07	3.22E-08	7.77E-07	1.71E-07	2.34E-07	3.71E-07	6.54E-08	4.44E-08	1.70E-06	8.78E-07	3.73E-07	4.38E-07	1.72E-07	8.78E-07	3.73E-07
2663	490660.04	3858910.04	2.69E-03	2.76E-03	2.60E-03	9.31E-07	2.81E-06	1.63E-06	1.67E-06	1.51E-06	6.90E-07	6.51E-07	3.11E-08	7.51E-07	1.66E-07	2.26E-07	3.59E-07	6.33E-08	4.29E-08	1.64E-06	8.49E-07	3.60E-07	4.24E-07	1.67E-07	8.49E-07	3.60E-07
2664	490710.04	3858910.04	2.59E-03	2.66E-03	2.51E-03	8.98E-07	2.71E-06	1.57E-06	1.61E-06	1.46E-06	6.65E-07	6.27E-07	3.00E-08	7.24E-07	1.60E-07	2.18E-07	3.46E-07	6.10E-08	4.14E-08	1.58E-06	8.19E-07	3.47E-07	4.09E-07	1.61E-07	8.19E-07	3.47E-07
2665	490760.04	3858910.04	2.49E-03	2.55E-03	2.41E-03	8.63E-07	2.61E-06	1.51E-06	1.54E-06	1.40E-06	6.39E-07	6.03E-07	2.88E-08	6.96E-07	1.54E-07	2.10E-07	3.33E-07	5.86E-08	3.98E-08	1.52E-06	7.87E-07	3.34E-07	3.93E-07	1.54E-07	7.87E-07	3.34E-07
2666	490810.04	3858910.04	2.42E-03	2.47E-03	2.33E-03	8.36E-07	2.53E-06	1.46E-06	1.50E-06	1.36E-06	6.19E-07	5.84E-07	2.79E-08	6.75E-07	1.49E-07	2.03E-07	3.22E-07	5.68E-08	3.85E-08	1.47E-06	7.63E-07	3.24E-07	3.81E-07	1.50E-07	7.63E-07	3.24E-07
2667	490860.04	3858910.04	2.32E-03	2.38E-03	2.24E-03	8.04E-07	2.43E-06	1.41E-06	1.44E-06	1.31E-06	5.95E-07	5.62E-07	2.69E-08	6.49E-07	1.43E-07	1.95E-07	3.10E-07	5.46E-08	3.70E-08	1.42E-06	7.33E-07	3.11E-07	3.66E-07	1.44E-07	7.33E-07	3.11E-07
2668	490360.04	3858960.04	3.52E-03	3.61E-03	3.40E-03	1.22E-06	3.68E-06	2.13E-06	2.18E-06	1.98E-06	9.03E-07	8.51E-07	4.07E-08	9.83E-07	2.17E-07	2.96E-07	4.70E-07	8.28E-08	5.62E-08	2.15E-06	1.11E-06	4.72E-07	5.55E-07	2.18E-07	1.11E-06	4.72E-07
2669	490410.04	3858960.04	3.38E-03	3.46E-03	3.27E-03	1.17E-06	3.53E-06	2.05E-06	2.10E-06	1.90E-06	8.67E-07	8.18E-07	3.91E-08	9.44E-07	2.08E-07	2.84E-07	4.51E-07	7.95E-08	5.39E-08	2.06E-06	1.07E-06	4.53E-07	5.33E-07	2.09E-07	1.07E-06	4.53E-07
2670	490460.04	3858960.04	3.24E-03	3.32E-03	3.13E-03	1.12E-06	3.39E-06	1.96E-06	2.01E-06	1.82E-06	8.31E-07	7.84E-07	3.75E-08	9.05E-07	2.00E-07	2.73E-07	4.33E-07	7.62E-08	5.17E-08	1.98E-06	1.02E-06	4.34E-07	5.11E-07	2.01E-07	1.02E-06	4.34E-07
2671	490510.04	3858960.04	3.12E-03	3.19E-03	3.01E-03	1.08E-06	3.26E-06	1.89E-06	1.93E-06	1.75E-06	7.99E-07	7.53E-07	3.60E-08	8.70E-07	1.92E-07	2.62E-07	4.16E-07	7.33E-08	4.97E-08	1.90E-06	9.83E-07	4.17E-07	4.91E-07	1.93E-07	9.83E-07	4.17E-07
2672	490560.04	3858960.04	3.00E-03	3.07E-03	2.90E-03	1.04E-06	3.13E-06	1.81E-06	1.86E-06	1.68E-06	7.68E-07	7.25E-07	3.46E-08	8.37E-07	1.85E-07	2.52E-07	4.00E-07	7.05E-08	4.78E-08	1.83E-06	9.46E-07	4.01E-07	4.72E-07	1.86E-07	9.46E-07	4.01E-07
2673	490610.04	3858960.04	2.87E-03	2.94E-03	2.77E-03	9.92E-07	3.00E-06	1.73E-06	1.78E-06	1.61E-06	7.35E-07	6.93E-07	3.31E-08	8.00E-07	1.77E-07	2.41E-07	3.83E-07	6.74E-08	4.57E-08	1.75E-06	9.05E-07	3.84E-07	4.52E-07	1.77E-07	9.05E-07	3.84E-07
2674	490660.04	3858960.04	2.78E-03	2.85E-03	2.69E-03	9.64E-07	2.91E-06	1.69E-06	1.73E-06	1.56E-06	7.14E-07	6.73E-07	3.22E-08	7.78E-07	1.72E-07	2.34E-07	3.72E-07	6.55E-08	4.44E-08	1.70E-06	8.79E-07	3.73E-07	4.39E-07	1.72E-07	8.79E-07	3.73E-07
2675	490710.04	3858960.04	2.67E-03	2.73E-03	2.58E-03	9.23E-07	2.79E-06	1.61E-06	1.65E-06	1.50E-06	6.84E-07	6.45E-07	3.08E-08	7.45E-07	1.64E-07	2.24E-07	3.56E-07	6.27E-08	4.25E-08	1.63E-06	8.42E-07	3.57E-07	4.20E-07	1.65E-07	8.42E-07	3.57E-07
2676	490760.04	3858960.04	2.57E-03	2.63E-03	2.48E-03	8.88E-07	2.68E-06	1.55E-06	1.59E-06	1.44E-06	6.58E-07	6.20E-07	2.97E-08	7.16E-07	1.58E-07	2.16E-07	3.42E-07	6.03E-08	4.09E-08	1.56E-06	8.10E-07	3.43E-07	4.04E-07	1.59E-07	8.10E-07	3.43E-07
2677	490810.04	3858960.04	2.47E-03	2.53E-03	2.39E-03	8.55E-07	2.58E-06	1.49E-06	1.53E-06	1.39E-06	6.33E-07	5.97E-07	2.85E-08	6.89E-07	1.52E-07	2.08E-07	3.30E-07	5.81E-08	3.94E-08	1.50E-06	7.79E-07	3.31E-07	3.89E-07	1.53E-07	7.79E-07	3.31E-07
2678	490860.04	3858960.04	2.37E-03	2.43E-03	2.29E-03	8.20E-07	2.48E-06	1.43E-06	1.47E-06	1.33E-06	6.07E-07	5.73E-07	2.74E-08	6.61E-07	1.46E-07	1.99E-07	3.16E-07	5.57E-08	3.78E-08	1.44E-06	7.48E-07	3.17E-07	3.73E-07	1.47E-07	7.48E-07	3.17E-07
2679	490360.04	3859010.04	3.71E-03	3.80E-03	3.58E-03	1.28E-06	3.87E-06	2.24E-06	2.30E-06	2.08E-06	9.50E-07	8.96E-07	4.28E-08	1.03E-06	2.28E-07	3.12E-07	4.95E-07	8.72E-08	5.91E-08	2.26E-06	1.17E-06	4.96E-07	5.84E-07	2.29E-07	1.17E-06	4.96E-07
2680	490410.04	3859010.04	3.54E-03	3.62E-03	3.42E-03	1.23E-06	3.70E-06	2.14E-06	2.19E-06	1.99E-06	9.07E-07	8.56E-07	4.09E-08	9.88E-07	2.18E-07	2.98E-07	4.72E-07	8.33E-08	5.64E-08	2.16E-06	1.12E-06	4.74E-07	5.58E-07	2.19E-07	1.12E-06	4.74E-07
2681	490460.04	3859010.04	3.36E-03	3.44E-03	3.25E-03	1.16E-06	3.52E-06	2.04E-06	2.08E-06	1.89E-06	8.62E-07	8.13E-07	3.89E-08	9.39E-07	2.07E-07	2.83E-07	4.49E-07	7.91E-08	5.36E-08	2.05E-06	1.06E-06	4.50E-07	5.30E-07	2.08E-07	1.06E-06	4.50E-07
2682	490510.04	3859010.04	3.20E-03	3.28E-03	3.09E-03	1.11E-06	3.35E-06	1.94E-06	1.98E-06	1.80E-06	8.21E-07	7.74E-07	3.70E-08	8.94E-07	1.97E-07	2.69E-07	4.27E-07	7.53E-08	5.11E-08	1.95E-06	1.01E-06	4.29E-07	5.05E-07	1.98E-07	1.01E-06	4.29E-07
2683	490560.04	3859010.04	3.10E-03	3.17E-03	2.99E-03	1.07E-06	3.24E-06	1.87E-06	1.92E-06	1.74E-06	7.94E-07	7.49E-07	3.58E-08	8.65E-07	1.91E-07	2.61E-07	4.13E-07	7.28E-08	4.94E-08	1.89E-06	9.77E-07	4.15E-07	4.88E-07	1.92E-07	9.77E-07	4.15E-07
2684	490610.04	3859010.04	2.96E-03	3.03E-03	2.86E-03	1.02E-06	3.09E-06	1.79E-06	1.83E-06	1.66E-06	7.58E-07	7.15E-07	3.42E-08	8.25E-07	1.82E-07	2.49E-07	3.95E-07	6.95E-08	4.71E-08	1.80E-06	9.33E-07	3.96E-07	4.66E-07	1.83E-07	9.33E-07	3.96E-07
2685	490660.04	3859010.04	2.87E-03	2.94E-03	2.77E-03	9.94E-07	3.00E-06	1.74E-06	1.78E-06	1.61E-06	7.36E-07	6.94E-07	3.32E-08	8.02E-07	1.77E-07	2.42E-07	3.83E-07	6.75E-08	4.58E-08	1.75E-06	9.06E-07	3.84E-07	4.52E-07	1.78E-07	9.06E-07	3.84E-07
2686	490710.04	3859010.04	2.74E-03	2.81E-03	2.65E-03	9.49E-07	2.86E-06	1.66E-06	1.70E-06	1.54E-06	7.03E-07	6.63E-07	3.17E-08	7.65E-07	1.69E-07	2.31E-07	3.66E-07	6.45E-08	4.37E-08	1.67E-06	8.65E-07	3.67E-07	4.32E-07	1.70E-07	8.65E-07	3.67E-07
2687	490760.04	3859010.04	2.63E-03	2.69E-03	2.54E-03	9.10E-07	2.75E-06	1.59E-06	1.63E-06	1.48E-06	6.74E-07	6.36E-07	3.04E-08	7.34E-07	1.62E-07	2.21E-07	3.51E-07	6.18E-08	4.19E-08	1.60E-06	8.30E-07	3.52E-07	4.14E-07	1.63E-07	8.30E-07	3.52E-07
2688	490810.04	3859010.04	2.52E-03	2.58E-03	2.44E-03	8.73E-07	2.63E-06	1.53E-06	1.56E-06	1.42E-06	6.46E-07	6.10E-07	2.91E-08	7.04E-07	1.55E-07	2.12E-07	3.36E-07	5.93E-08	4.02E-08	1.54E-06	7.96E-07	3.38E-07	3.97E-07	1.56E-07	7.96E-07	3.38E-07

2689	490860.04	3859010.04	2.43E-03	2.49E-03	2.35E-03	8.40E-07	2.54E-06	1.47E-06	1.50E-06	1.36E-06	6.22E-07	5.87E-07	2.81E-08	6.78E-07	1.50E-07	2.04E-07	3.24E-07	5.71E-08	3.87E-08	1.48E-06	7.66E-07	3.25E-07	3.82E-07	1.50E-07	7.66E-07	3.25E-07
2690	490360.04	3859060.04	3.90E-03	4.00E-03	3.77E-03	1.35E-06	4.08E-06	2.36E-06	2.42E-06	2.19E-06	1.00E-06	9.44E-07	4.51E-08	1.09E-06	2.40E-07	3.28E-07	5.21E-07	9.18E-08	6.22E-08	2.38E-06	1.23E-06	5.23E-07	6.15E-07	2.42E-07	1.23E-06	5.23E-07
2691	490410.04	3859060.04	3.68E-03	3.77E-03	3.56E-03	1.27E-06	3.85E-06	2.23E-06	2.28E-06	2.07E-06	9.44E-07	8.90E-07	4.25E-08	1.03E-06	2.27E-07	3.10E-07	4.91E-07	8.66E-08	5.87E-08	2.24E-06	1.16E-06	4.93E-07	5.80E-07	2.28E-07	1.16E-06	4.93E-07
2692	490460.04	3859060.04	3.50E-03	3.58E-03	3.38E-03	1.21E-06	3.66E-06	2.12E-06	2.17E-06	1.97E-06	8.97E-07	8.46E-07	4.04E-08	9.77E-07	2.16E-07	2.94E-07	4.67E-07	8.23E-08	5.58E-08	2.13E-06	1.10E-06	4.69E-07	5.51E-07	2.17E-07	1.10E-06	4.69E-07
2693	490510.04	3859060.04	3.34E-03	3.42E-03	3.23E-03	1.16E-06	3.49E-06	2.02E-06	2.07E-06	1.88E-06	8.57E-07	8.08E-07	3.86E-08	9.33E-07	2.06E-07	2.81E-07	4.46E-07	7.86E-08	5.33E-08	2.04E-06	1.06E-06	4.48E-07	5.27E-07	2.07E-07	1.06E-06	4.48E-07
2694	490560.04	3859060.04	3.18E-03	3.26E-03	3.07E-03	1.10E-06	3.32E-06	1.92E-06	1.97E-06	1.79E-06	8.15E-07	7.69E-07	3.67E-08	8.88E-07	1.96E-07	2.67E-07	4.24E-07	7.48E-08	5.07E-08	1.94E-06	1.00E-06	4.26E-07	5.01E-07	1.97E-07	1.00E-06	4.26E-07
2695	490610.04	3859060.04	3.06E-03	3.13E-03	2.96E-03	1.06E-06	3.20E-06	1.85E-06	1.90E-06	1.72E-06	7.84E-07	7.40E-07	3.54E-08	8.54E-07	1.89E-07	2.57E-07	4.08E-07	7.20E-08	4.88E-08	1.86E-06	9.66E-07	4.10E-07	4.82E-07	1.89E-07	9.66E-07	4.10E-07
2696	490660.04	3859060.04	2.95E-03	3.02E-03	2.85E-03	1.02E-06	3.08E-06	1.79E-06	1.83E-06	1.66E-06	7.56E-07	7.13E-07	3.41E-08	8.24E-07	1.82E-07	2.48E-07	3.94E-07	6.94E-08	4.71E-08	1.80E-06	9.31E-07	3.95E-07	4.65E-07	1.83E-07	9.31E-07	3.95E-07
2697	490710.04	3859060.04	2.81E-03	2.88E-03	2.72E-03	9.73E-07	2.94E-06	1.70E-06	1.74E-06	1.58E-06	7.21E-07	6.80E-07	3.25E-08	7.85E-07	1.73E-07	2.37E-07	3.75E-07	6.61E-08	4.48E-08	1.71E-06	8.87E-07	3.76E-07	4.43E-07	1.74E-07	8.87E-07	3.76E-07
2698	490760.04	3859060.04	2.69E-03	2.76E-03	2.60E-03	9.31E-07	2.81E-06	1.63E-06	1.67E-06	1.51E-06	6.90E-07	6.51E-07	3.11E-08	7.51E-07	1.66E-07	2.26E-07	3.59E-07	6.33E-08	4.29E-08	1.64E-06	8.49E-07	3.60E-07	4.24E-07	1.67E-07	8.49E-07	3.60E-07
2699	490810.04	3859060.04	2.58E-03	2.64E-03	2.49E-03	8.92E-07	2.69E-06	1.56E-06	1.60E-06	1.45E-06	6.61E-07	6.23E-07	2.98E-08	7.20E-07	1.59E-07	2.17E-07	3.44E-07	6.06E-08	4.11E-08	1.57E-06	8.13E-07	3.45E-07	4.06E-07	1.59E-07	8.13E-07	3.45E-07
2700	490860.04	3859060.04	2.48E-03	2.54E-03	2.39E-03	8.57E-07	2.59E-06	1.50E-06	1.53E-06	1.39E-06	6.35E-07	5.99E-07	2.86E-08	6.91E-07	1.53E-07	2.08E-07	3.31E-07	5.83E-08	3.95E-08	1.51E-06	7.82E-07	3.32E-07	3.90E-07	1.53E-07	7.82E-07	3.32E-07
2701	490360.04	3859110.04	4.16E-03	4.26E-03	4.02E-03	1.44E-06	4.34E-06	2.51E-06	2.58E-06	2.33E-06	1.07E-06	1.00E-06	4.80E-08	1.16E-06	2.56E-07	3.50E-07	5.55E-07	9.78E-08	6.63E-08	2.53E-06	1.31E-06	5.57E-07	6.55E-07	2.57E-07	1.31E-06	5.57E-07
2702	490410.04	3859110.04	3.90E-03	4.00E-03	3.77E-03	1.35E-06	4.08E-06	2.36E-06	2.42E-06	2.19E-06	1.00E-06	9.44E-07	4.51E-08	1.09E-06	2.41E-07	3.28E-07	5.21E-07	9.18E-08	6.23E-08	2.38E-06	1.23E-06	5.23E-07	6.15E-07	2.42E-07	1.23E-06	5.23E-07
2703	490460.04	3859110.04	3.72E-03	3.81E-03	3.59E-03	1.29E-06	3.88E-06	2.25E-06	2.30E-06	2.09E-06	9.53E-07	8.99E-07	4.30E-08	1.04E-06	2.29E-07	3.13E-07	4.96E-07	8.74E-08	5.93E-08	2.26E-06	1.17E-06	4.98E-07	5.85E-07	2.30E-07	1.17E-06	4.98E-07
2704	490510.04	3859110.04	3.47E-03	3.56E-03	3.36E-03	1.20E-06	3.63E-06	2.10E-06	2.15E-06	1.95E-06	8.90E-07	8.40E-07	4.01E-08	9.70E-07	2.14E-07	2.92E-07	4.64E-07	8.17E-08	5.54E-08	2.12E-06	1.10E-06	4.65E-07	5.47E-07	2.15E-07	1.10E-06	4.65E-07
2705	490560.04	3859110.04	3.31E-03	3.39E-03	3.20E-03	1.15E-06	3.46E-06	2.00E-06	2.05E-06	1.86E-06	8.48E-07	8.00E-07	3.82E-08	9.24E-07	2.04E-07	2.78E-07	4.42E-07	7.78E-08	5.28E-08	2.02E-06	1.04E-06	4.43E-07	5.21E-07	2.05E-07	1.04E-06	4.43E-07
2706	490610.04	3859110.04	3.15E-03	3.22E-03	3.04E-03	1.09E-06	3.29E-06	1.90E-06	1.95E-06	1.77E-06	8.07E-07	7.61E-07	3.64E-08	8.79E-07	1.94E-07	2.65E-07	4.20E-07	7.40E-08	5.02E-08	1.92E-06	9.93E-07	4.21E-07	4.96E-07	1.95E-07	9.93E-07	4.21E-07
2707	490660.04	3859110.04	2.99E-03	3.06E-03	2.89E-03	1.03E-06	3.12E-06	1.81E-06	1.85E-06	1.68E-06	7.66E-07	7.22E-07	3.45E-08	8.34E-07	1.84E-07	2.51E-07	3.99E-07	7.03E-08	4.76E-08	1.82E-06	9.43E-07	4.00E-07	4.71E-07	1.85E-07	9.43E-07	4.00E-07
2708	490710.04	3859110.04	2.88E-03	2.95E-03	2.78E-03	9.96E-07	3.01E-06	1.74E-06	1.78E-06	1.62E-06	7.37E-07	6.96E-07	3.33E-08	8.03E-07	1.77E-07	2.42E-07	3.84E-07	6.77E-08	4.59E-08	1.75E-06	9.08E-07	3.85E-07	4.53E-07	1.78E-07	9.08E-07	3.85E-07
2709	490760.04	3859110.04	2.76E-03	2.82E-03	2.66E-03	9.54E-07	2.88E-06	1.67E-06	1.71E-06	1.55E-06	7.06E-07	6.66E-07	3.19E-08	7.69E-07	1.70E-07	2.32E-07	3.68E-07	6.48E-08	4.39E-08	1.68E-06	8.70E-07	3.69E-07	4.34E-07	1.71E-07	8.70E-07	3.69E-07
2710	490810.04	3859110.04	2.63E-03	2.70E-03	2.54E-03	9.11E-07	2.75E-06	1.59E-06	1.63E-06	1.48E-06	6.75E-07	6.36E-07	3.04E-08	7.35E-07	1.62E-07	2.21E-07	3.51E-07	6.19E-08	4.20E-08	1.60E-06	8.31E-07	3.52E-07	4.15E-07	1.63E-07	8.31E-07	3.52E-07
2711	490860.04	3859110.04	2.52E-03	2.58E-03	2.43E-03	8.72E-07	2.63E-06	1.52E-06	1.56E-06	1.41E-06	6.45E-07	6.09E-07	2.91E-08	7.03E-07	1.55E-07	2.12E-07	3.36E-07	5.92E-08	4.02E-08	1.53E-06	7.95E-07	3.37E-07	3.97E-07	1.56E-07	7.95E-07	3.37E-07
2712	490360.04	3859160.04	4.47E-03	4.58E-03	4.32E-03	1.55E-06	4.67E-06	2.70E-06	2.77E-06	2.51E-06	1.15E-06	1.08E-06	5.17E-08	1.25E-06	2.75E-07	3.76E-07	5.97E-07	1.05E-07	7.13E-08	2.72E-06	1.41E-06	5.99E-07	7.04E-07	2.77E-07	1.41E-06	5.99E-07
2713	490410.04	3859160.04	4.19E-03	4.29E-03	4.05E-03	1.45E-06	4.38E-06	2.53E-06	2.60E-06	2.35E-06	1.07E-06	1.01E-06	4.84E-08	1.17E-06	2.58E-07	3.52E-07	5.59E-07	9.85E-08	6.68E-08	2.55E-06	1.32E-06	5.61E-07	6.60E-07	2.59E-07	1.32E-06	5.61E-07
2714	490460.04	3859160.04	3.95E-03	4.04E-03	3.81E-03	1.37E-06	4.12E-06	2.39E-06	2.44E-06	2.22E-06	1.01E-06	9.54E-07	4.56E-08	1.10E-06	2.43E-07	3.32E-07	5.27E-07	9.28E-08	6.29E-08	2.40E-06	1.25E-06	5.28E-07	6.21E-07	2.44E-07	1.25E-06	5.28E-07
2715	490510.04	3859160.04	3.72E-03	3.81E-03	3.59E-03	1.29E-06	3.89E-06	2.25E-06	2.30E-06	2.09E-06	9.53E-07	8.99E-07	4.30E-08	1.04E-06	2.29E-07	3.13E-07	4.96E-07	8.75E-08	5.93E-08	2.27E-06	1.17E-06	4.98E-07	5.86E-07	2.30E-07	1.17E-06	4.98E-07
2716	490560.04	3859160.04	3.49E-03	3.57E-03	3.37E-03	1.21E-06	3.65E-06	2.11E-06	2.16E-06	1.96E-06	8.94E-07	8.43E-07	4.03E-08	9.74E-07	2.15E-07	2.93E-07	4.66E-07	8.20E-08	5.56E-08	2.13E-06	1.10E-06	4.67E-07	5.49E-07	2.16E-07	1.10E-06	4.67E-07
2717	490610.04	3859160.04	3.32E-03	3.40E-03	3.21E-03	1.15E-06	3.47E-06	2.01E-06	2.06E-06	1.87E-06	8.52E-07	8.03E-07	3.84E-08	9.28E-07	2.05E-07	2.80E-07	4.43E-07	7.82E-08	5.30E-08	2.02E-06	1.05E-06	4.45E-07	5.23E-07	2.06E-07	1.05E-06	4.45E-07
2718	490660.04	3859160.04	3.09E-03	3.16E-03	2.98E-03	1.07E-06	3.23E-06	1.87E-06	1.91E-06	1.73E-06	7.91E-07	7.46E-07	3.57E-08	8.62E-07	1.90E-07	2.60E-07	4.12E-07	7.26E-08	4.92E-08	1.88E-06	9.74E-07	4.13E-07	4.86E-07	1.91E-07	9.74E-07	4.13E-07
2719	490710.04	3859160.04	2.96E-03	3.03E-03	2.86E-03	1.03E-06	3.10E-06	1.79E-06	1.84E-06	1.66E-06	7.59E-07	7.16E-07	3.42E-08	8.27E-07	1.83E-07	2.49E-07	3.95E-07	6.97E-08	4.72E-08	1.81E-06	9.35E-07	3.97E-07	4.67E-07	1.83E-07	9.35E-07	3.97E-07
2720	490760.04	3859160.04	2.80E-03	2.87E-03	2.71E-03	9.70E-07	2.93E-06	1.69E-06	1.74E-06	1.57E-06	7.18E-07	6.77E-07	3.24E-08	7.82E-07	1.73E-07	2.36E-07	3.74E-07	6.59E-08	4.47E-08	1.71E-06	8.84E-07	3.75E-07	4.41E-07	1.73E-07	8.84E-07	3.75E-07
2721	490810.04	3859160.04	2.69E-03	2.76E-03	2.60E-03	9.33E-07	2.82E-06	1.63E-06	1.67E-06	1.51E-06	6.91E-07	6.52E-07	3.12E-08	7.52E-07	1.66E-07	2.27E-07	3.60E-07	6.34E-08	4.30E-08	1.64E-06	8.51E-07	3.61E-07	4.25E-07	1.67E-07	8.51E-07	3.61E-07
2722	490860.04	3859160.04	2.59E-03	2.65E-03	2.50E-03	8.97E-07	2.71E-06	1.57E-06	1.61E-06	1.46E-06	6.64E-07	6.26E-07	2.99E-08	7.23E-07	1.60E-07	2.18E-07	3.46E-07	6.09E-08	4.13E-08	1.58E-06	8.17E-07	3.47E-07	4.08E-07	1.60E-07	8.17E-07	3.47E-07
2723	490360.04	3859210.04	4.85E-03	4.96E-03	4.68E-03	1.68E-06	5.06E-06	2.93E-06	3.00E-06	2.72E-06	1.24E-06	1.17E-06	5.60E-08	1.35E-06	2.99E-07	4.08E-07	6.47E-07	1.14E-07	7.73E-08	2.95E-06	1.53E-06	6.49E-07	7.63E-07	3.00E-07	1.53E-06	6.49E-07
2724	490410.04	3859210.04	4.59E-03	4.70E-03	4.43E-03	1.59E-06	4.80E-06	2.78E-06	2.84E-06	2.58E-06	1.18E-06	1.11E-06	5.30E-08	1.28E-06	2.83E-07	3.86E-07	6.12E-07	1.08E-07	7.32E-08	2.80E-06	1.45E-06	6.14E-07	7.23E-07	2.84E-07	1.45E-06	6.14E-07
2725	490460.04	3859210.04	4.22E-03	4.33E-03	4.08E-03	1.46E-06	4.41E-06	2.56E-06	2.62E-06	2.37E-06	1.08E-06	1.02E-06	4.88E-08	1.18E-06	2.60E-07	3.55E-07	5.64E-07	9.94E-08	6.74E-08	2.57E-06	1.33E-06	5.66E-07	6.65E-07	2.61E-07	1.33E-06	5.66E-07
2726	490510.04	3859210.04	3.96E-03	4.05E-03	3.82E-03	1.37E-06	4.14E-06	2.39E-06	2.45E-06	2.22E-06	1.01E-06	9.57E-07	4.57E-08	1.10E-06	2.44E-07	3.33E-07	5.28E-07	9.31E-08	6.31E-08	2.41E-06	1.25E-06	5.30E-07	6.23E-07	2.45E-07	1.25E-06	5.30E-07
2727	490560.04	3859210.04	3.75E-03	3.85E-03	3.63E-03	1.30E-06	3.92E-06	2.27E-06	2.33E-06	2.11E-06	9.62E-07	9.08E-07	4.34E-08	1.05E-06	2.31E-07	3.16E-07	5.01E-07	8.83E-08	5.99E-08	2.29E-06	1.19E-06	5.03E-07	5.91E-07	2.32E-07	1.19E-06	5.03E-07
2728	490610.04	3859210.04	3.54E-03	3.62E-03	3.42E-03	1.22E-06	3.70E-06	2.14E-06	2.19E-06	1.99E-06	9.06E-07	8.55E-07	4.09E-08	9.87E-07	2.18E-07	2.98E-07	4.72E-07	8.32E-08	5.64E-08	2.16E-06	1.12E-06	4.74E-07	5.57E-07	2.19E-07	1.12E-06	4.74E-07
2729	490660.04	3859210.04	3.29E-03	3.36E-03	3.17E-03	1.14E-06	3.43E-06	1.99E-06	2.04E-06	1.85E-06	8.42E-07	7.94E-07	3.80E-08	9.17E-07	2.02E-07	2.76E-07	4.39E-07	7.73E-08	5.24E-08	2.00E-06	1.04E-06	4.40E-07	5.18E-07	2.03E-07	1.04E-06	4.40E-07
2730	490710.04	3859210.04	3.12E-03	3.19E-03	3.01E-03	1.08E-06	3.26E-06	1.89E-06	1.93E-06	1.75E-06	7.99E-07	7.54E-07	3.60E-08	8.70E-07	1.92E-07	2.62E-07	4.16E-07	7.33E-08	4.97E-08	1.90E-06	9.84E-07	4.17E-07	4.91E-07	1.93E-07	9.84E-07	4.17E-07
2731	490760.04	3859210.04	2.95E-03	3.02E-03	2.85E-03	1.02E-06	3.08E-06	1.78E-06	1.83E-06	1.66E-06	7.56E-07	7.13E-07	3.41E-08	8.23E-07	1.82E-07	2.48E-07	3.94E-07	6.94E-08	4.70E-08	1.80E-06	9.31E-07	3.95E-07	4.65E-07	1.82E-07	9.31E-07	3.95E-07
2732	490810.04	3859210.04	2.87E-03	2.94E-03	2.77E-03	9.92E-07	3.00E-06	1.73E-06	1.78E-06	1.61E-06	7.35E-07	6.93E-07	3.31E-08	8.00E-07	1.77E-07	2.41E-07	3.83E-07	6.74E-08	4.57E-08	1.75E-06	9.05E-07	3.84E-07	4.52E-07	1.77E-07	9.05E-07	3.84E-07
2733	490860.04	3859210.04	2.78E-03	2.85E-03	2.69E-03	9.64E-07	2.91E-06	1.69E-06	1.73E-06	1.56E-06	7.14E-07	6.73E-07	3.22E-08	7.78E-07	1.72E-07	2.34E-07	3.72E-07	6.55E-08	4.44E-08	1.70E-06	8.79E-07	3.73E-07	4.39E-07	1.72E-07	8.79E-07	3.73E-07
2734	490360.04	3859260.04	5.27E-03	5.39E-03	5.09E-03	1.82E-06	5.51E-06	3.19E-06	3.26E-06	2.96E-06	1.35E-06	1.27E-06	6.09E-08	1.47E-06	3.25E-07	4.43E-07	7.03E-07	1.24E-07	8.40E-08	3.21E-06	1.66E-06	7.05E-07	8.30E-07	3.26E-07	1.66E-06	7.05E-07
2735	490410.04	3859260.04	4.94E-03	5.06E-03	4.77E-03	1.71E-06	5.16E-06	2.99E-06	3.06E-06	2.77E-06	1.27E-06	1.19E-06	5.71E-08	1.38E-06	3.04E-07	4.15E-07	6.59E-07	1.16E-07	7.87E-08	3.01E-06	1.56E-06	6.61E-07	7.78E-07	3.06E-07	1.56E-06	6.61E-07
2736	490460.04	3859260.04	4.67E-03	4.78E-03	4.51E-03	1.61E-06	4.88E-06	2.82E-06	2.89E-06	2.62E-06	1.20E-06	1.13E-06	5.39E-08	1.30E-06	2.87E-07	3.93E-07	6.23E-07	1.10E-07	7.44E-08	2.84E-06	1.47E-06	6.25E-07	7.35E-07	2.89E-07	1.47E-06	6.25E-07
2737	490510.04	3859260.04	4.41E-03	4.52E-03	4.26E-03	1.53E-06	4.61E-06	2.67E-06	2.73E-06	2.48E-06	1.13E-06	1.07E-06	5.10E-08	1.23E-06	2.72E-07	3.71E-07	5.89E-07	1.04E-07	7.03E-08	2.69E-06	1.39E-06	5.91E-07	6.95E-07	2.73E-07	1.39E-06	5.91E-07
2738	490560.04	3859260.04	4.13E-03	4.23E-03	3.99E-03	1.43E-06	4.32E-06	2.50E-06	2.56E-06	2.32E-06	1.06E-06	9.99E-07	4.78E-08	1.15E-06	2.55E-07	3.48E-07	5.51E-07	9.72E-08	6.59E-08	2.52E-06	1.30E-06	5.53E-07	6.51E-07	2.56E-07	1.30E-06	5.53E-07
2739	490610.04	3859260.04	3.82E-03	3.92E-03	3.69E-03	1.32E-06	4.00E-06	2.31E-06	2.37E-06	2.15E-06	9.80E-07	9.24E-07	4.42E-08	1.07E-06	2.36E-07	3.22E-07	5.10E-07	8.99E-08	6.10E-08	2.33E-06	1.21E-06	5.12E-07	6.02E-07	2.37E-07	1.21E-06	5.12E-07
2740	490660.04	3859260.04	3.68E-03	3.77E-03	3.56E-03	1.27E-06	3.85E-06	2.23E-06	2.28E-06	2.07E-06	9.44E-07	8.90E-07	4.25E-08	1.03E-06	2.27E-07	3.10E-07	4.91E-07	8.66E-08	5.87E-08	2.24E-06	1.16E-06	4.93E-07	5.80E-07	2.28E-07	1.16E-06	4.93E-07
2741	490710.04	3859260.04	3.49E-03	3.57E-03	3.37E-03	1.21E-06	3.64E-06	2.11E-06	2.16E-06	1.96E-06	8.94E-07	8.43E-07	4.03E-08	9.73E-07	2.15E-07	2.93E-07	4.65E-07	8.20E-08	5.56E-08	2.12E-06	1.10E-06	4.67E-07	5.49E-07	2.16E-07	1.10E-06	4.67E-07
2742	490760.04	3859260.04	3.27E-03	3.35E-03	3.16E-03	1.13E-06	3.42E-06	1.98E-06	2.03E-06	1.84E-06	8.38E-07	7.90E-07	3.78E-08	9.12E-07	2.01E-07	2.75E-07	4.36E-07	7.69E-08	5.21E-08	1.99E-06	1.03E-06	4.38E-07	5.15E-07	2.02E-07	1.03E-06	4.38E-07
2743	490810.04	3859260.04	3.15E-03	3.23E-03	3.04E-03	1.09E-06	3.29E-06	1.91E-06	1.95E-06	1.77E-06	8.08E-07	7.62E-07	3.64E-08	8.80E-07	1.94E-07	2.65E-07	4.21E-07	7.41E-08	5.03E-08	1.92E-06	9.95E-07	4.22E-07	4.96E-07	1.95E-07	9.95E-07	4.22E-07
2744	490860.04	3859260.04	3.04E-03	3.12E-03	2.94E-03	1.05E-06	3.18E-06	1.84E-06	1.89E-06	1.71E-06	7.80E-07	7.36E-07	3.52E-08	8.50E-07	1.88E-07	2.56E-07	4.06E-07	7.16E-08	4.85E-08	1.85E-06	9.61E-07	4.08E-07	4.79E-07	1.88E-07	9.61E-07	4.08E-07
2745	490360.04	3859310.04	5.90E-03	6.04E-03	5.70E-03	2.04E-06	6.16E-06	3.57E-06	3.65E-06	3.31E-06	1.51E-06	1.43E-06	6.82E-08	1.65E-06	3.63E-07	4.96E-07	7.87E-07	1.39E-07	9.40E-08	3.59E-06	1.86E-06	7.90E-07	9.29E-07	3.65E-07	1.86E-06	7.90E-07
2746	490410.04	3859310.04	5.49E-03	5.62E-03	5.31E-03	1.90E-06	5.74E-06	3.32E-06	3.40E-06	3.09E-06	1.41E-06	1.33E-06	6.35E-08	1.53E-06	3.38E-07	4.62E-07	7.33E-07	1.29E-07	8.76E-08	3.35E-06	1.73E-06	7.35E-07	8.65E-07	3.40E-07	1.73E-06	7.35E-07
2747	490460.04	3859310.04	5.15E-03	5.27E-03	4.97E-03	1.78E-06	5.38E-06	3.12E-06	3.19E-06	2.89E-06	1.32E-06	1.25E-06	5.95E-08	1.44E-06	3.17E-07	4.33E-07	6.87E-07	1.21E-07	8.21E-08	3.14E-06	1.63E-06	6.90E-07	8.11E-07	3.19E-07	1.63E-06	6.90E-07
2748	490510.04	3859310.04	4.87E-03	4.99E-03	4.71E-03	1.69E-06	5.10E-06	2.95E-06	3.02E-06	2.74E-06	1.25E-06	1.18E-06	5.63E-08	1.36E-06	3.00E-07	4.10E-07	6.51E-07	1.15E-07	7.77E-08	2.97E-06	1.54E-06	6.53E-07	7.68E-07	3.02E-07	1.54E-06	6.53E-07
2749	490560.04	3859310.04	4.61E-03	4.72E-03	4.45E-03	1.60E-06	4.82E-06	2.79E-06	2.86E-06	2.59E-06	1.18E-06	1.11E-06	5.33E-08	1.29E-06	2.84E-07	3.88E-07	6.15E-07	1.08E-07	7.35E-08	2.81E-06	1.45E-06	6.17E-07	7.26E-07	2.85E-07	1.45E-06	6.17E-07
2750	490610.04	3859310.04	4.38E-03	4.49E-03	4.23E-03	1.52E-06	4.58E-06	2.65E-06	2.72E-06	2.46E-06	1.12E-06	1.06E-06	5.07E-08	1.22E-06	2.70E-07	3.69E-07	5.85E-07	1.03E-07	6.99E-08	2.67E-06	1.38E-06	5.87E-07	6.91E-07	2.71E-07	1.38E-06	5.87E-07
2751	490660.04	3859310.04	4.14E-03	4.24E-03	4.00E-03	1.43E-06	4.33E-06	2.51E-06	2.57E-06	2.33E-06	1.06E-06	1.00E-06	4.79E-08	1.16E-06	2.55E-07	3.49E-07	5.53E-07	9.75E-08	6.61E-08	2.53E-06	1.31E-06	5.55E-07	6.53E-07	2.56E-07	1.31E-06	5.55E-07
2752	490710.04	3859310.04	3.83E-03	3.93E-03	3.70E-03	1.33E-06	4.01E-06	2.32E-06	2.38E-06	2.15E-06	9.83E-07	9.27E-07	4.43E-08	1.07E-06	2.36E-07	3.23E-07	5.12E-07	9.02E-08	6.12E-08	2.34E-06	1.21E-06	5.13E-07	6.04E-07	2.37E-07	1.21E-06	5.13E-07
2753	490760.04	3859310.04	3.63E-03	3.72E-03	3.51E-03	1.26E-06	3.80E-06	2.20E-06	2.25E-06	2.04E-06	9.31E-07	8.78E-07	4.20E-08	1.01E-06	2.24E-07	3.06E-07	4.85E-07	8.54E-08	5.79E-08	2.21E-06	1.15E-06	4.86E-07	5.72E-07	2.25E-07	1.15E-06	4.86E-07
2754	490810.04	3859310.04	3.49E-03	3.57E-03	3.37E-03	1.21E-06	3.64E-06	2.11E-06	2.16E-06	1.96E-06	8.94E-07	8.43E-07	4.03E-08	9.73E-07	2.15E-07	2.93E-07	4.65E-07	8.20E-08	5.56E-08	2.12E-06	1.10E-06	4.67E-07	5.49E-07	2.16E-07	1.10E-06	4.67E-07
2755	490860.04	3859310.04	3.32E-03	3.40E-03	3.21E-03	1.15E-06	3.47E-06	2.01E-06	2.06E-06	1.87E-06	8.51E-07	8.03E-07	3.84E-08	9.27E-07	2.05E-07	2.79E-07	4.43E-07	7.81E-08	5.30E-08	2.02E-06	1.05E-06	4.45E-07	5.23E-07	2.06E-07	1.05E-06	4.45E-07
2756	490360.04	3859360.04	6.71E-03	6.87E-03	6.48E-03	2.32E-06	7.02E-06	4.06E-06	4.16E-06	3.77E-06	1.72E-06	1.62E-06	7.76E-08	1.87E-06	4.14E-07	5.65E-07	8.96E-07	1.58E-07	1.07E-07	4.09E-06	2.12E-06	8.99E-07	1.06E-06	4.15E-07	2.12E-06	8.99E-07
2757	490410.04	3859360.04	6.27E-03	6.42E-03	6.06E-03	2.17E-06	6.55E-06	3.79E-06	3.88E-06	3.52E-06	1.61E-06	1.52E-06	7.25E-08	1.75E-06	3.86E-07	5.27E-07	8.37E-07	1.47E-07	1.00E-07	3.82E-06	1.98E-06	8.39E-07	9.87E-07	3.88E-07	1.98E-06	8.39E-07
2758	490460.04	3859360.04	5.88E-03	6.03E-03	5.68E-03	2.04E-06	6.15E-06	3.56E-06	3.65E-06	3.31E-06	1.51E-06	1.42E-06	6.80E-08	1.64E-06	3.63E-07	4.95E-07	7.85E-07	1.38E-07	9.38E-08	3.59E-06	1.86E-06	7.88E-07	9.27E-07	3.64E-07	1.86E-06	7.88E-07
2759	490510.04	3859360.04	5.54E-03	5.67E-03	5.35E-03	1.92E-06	5.79E-06	3.35E-06	3.43E-06	3.11E-06	1.42E-06	1.34E-06	6.40E-08	1.55E-06	3.41E-07	4.66E-07	7.39E-07	1.30E-07	8.83E-08	3.37E-06	1.75E-06	7.41E-07	8.72E-07	3.43E-07	1.75E-06	7.41E-07
2760	490560.04	3859360.04	5.18E-03	5.30E-03	5.00E-03	1.79E-06	5.41E-06	3.13E-06	3.21E-06	2.91E-06	1.33E-06	1.25E-06	5.98E-08	1.45E-06	3.19E-07	4.36E-07	6.91E-07	1.22E-07	8.25E-08	3.15E-06	1.63E-06	6.93E-07	8.15E-07	3.20E-07	1.63E-06	6.93E-07
2761	490610.04	3859360.04	4.86E-03	4.97E-03	4.69E-03	1.68E-06	5.08E-06	2.94E-06	3.01E-06	2.73E-06	1.24E-06	1.17E-06	5.61E-08	1.36E-06	2.99E-07	4.09E-07	6.48E-07	1.14E-07	7.74E-08	2.96E-06	1.53E-06	6.50E-07	7.65E-07	3.01E-07	1.53E-06	6.50E-07
2762	490660.04	3859360.04	4.59E-03	4.70E-03	4.43E-03	1.59E-06	4.80E-06	2.78E-06	2.84E-06	2.58E-06	1.18E-06	1.11E-06	5.31E-08	1.28E-06	2.83E-07	3.86E-07	6.13E-07	1.08E-07	7.32E-08	2.80E-06	1.45E-06	6.15E-07	7.23E-07	2.84E-07	1.45E-06	6.15E-07
2763	490710.04	3859360.04	4.30E-03	4.40E-03	4.15E-03	1.49E-06	4.49E-06	2.60E-06	2.66E-06	2.41E-06	1.10E-06	1.04E-06	4.97E-08	1.20E-06	2.65E-07	3.62E-07	5.74E-07	1.01E-07	6.85E-08	2.62E-06	1.36E-06	5.76E-07	6.77E-07	2.66E-07	1.36E-06	5.76E-07
2764	490760.04	3859360.04	4.02E-03	4.12E-03	3.89E-03	1.39E-06	4.21E-06	2.44E-06	2.49E-06	2.26E-06	1.03E-06	9.73E-07	4.65E-08	1.12E-06	2.48E-07	3.39E-07	5.37E-07	9.47E-08	6.42E-08	2.45E-06	1.27E-06	5.39E-07	6.34E-07	2.49E-07	1.27E-06	5.39E-07
2765	490810.04	3859360.04	3.88E-03	3.97E-03	3.75E-03	1.34E-06	4.05E-06	2.35E-06	2.40E-06	2.18E-06	9.94E-07	9.38E-07	4.48E-08	1.08E-06	2.39E-07	3.26E-07	5.18E-07	9.12E-08	6.19E-08	2.36E-06	1.22E-06	5.19E-07	6.11E-07	2.40E-07	1.22E-06	5.19E-07

2766	490860.04	3859360.04	3.70E-03	3.79E-03	3.57E-03	1.28E-06	3.86E-06	2.24E-06	2.29E-06	2.08E-06	9.47E-07	8.94E-07	4.27E-08	1.03E-06	2.28E-07	3.11E-07	4.93E-07	8.69E-08	5.89E-08	2.25E-06	1.17E-06	4.95E-07	5.82E-07	2.29E-07	1.17E-06	4.95E-07
2767	490360.04	3859410.04	7.80E-03	7.98E-03	7.53E-03	2.70E-06	8.15E-06	4.72E-06	4.83E-06	4.38E-06	2.00E-06	1.88E-06	9.01E-08	2.18E-06	4.80E-07	6.56E-07	1.04E-06	1.83E-07	1.24E-07	4.75E-06	2.46E-06	1.04E-06	1.23E-06	4.82E-07	2.46E-06	1.04E-06
2768	490410.04	3859410.04	7.25E-03	7.43E-03	7.01E-03	2.51E-06	7.58E-06	4.39E-06	4.49E-06	4.07E-06	1.86E-06	1.75E-06	8.38E-08	2.02E-06	4.47E-07	6.10E-07	9.68E-07	1.71E-07	1.16E-07	4.42E-06	2.29E-06	9.71E-07	1.14E-06	4.49E-07	2.29E-06	9.71E-07
2769	490460.04	3859410.04	6.76E-03	6.93E-03	6.53E-03	2.34E-06	7.07E-06	4.09E-06	4.19E-06	3.80E-06	1.73E-06	1.64E-06	7.82E-08	1.89E-06	4.17E-07	5.69E-07	9.03E-07	1.59E-07	1.08E-07	4.12E-06	2.13E-06	9.06E-07	1.07E-06	4.19E-07	2.13E-06	9.06E-07
2770	490510.04	3859410.04	6.32E-03	6.48E-03	6.11E-03	2.19E-06	6.61E-06	3.83E-06	3.92E-06	3.55E-06	1.62E-06	1.53E-06	7.31E-08	1.77E-06	3.90E-07	5.32E-07	8.44E-07	1.49E-07	1.01E-07	3.85E-06	2.00E-06	8.47E-07	9.96E-07	3.91E-07	2.00E-06	8.47E-07
2771	490560.04	3859410.04	5.93E-03	6.07E-03	5.73E-03	2.05E-06	6.20E-06	3.59E-06	3.68E-06	3.33E-06	1.52E-06	1.43E-06	6.85E-08	1.66E-06	3.65E-07	4.99E-07	7.92E-07	1.40E-07	9.46E-08	3.61E-06	1.87E-06	7.94E-07	9.34E-07	3.67E-07	1.87E-06	7.94E-07
2772	490610.04	3859410.04	5.57E-03	5.71E-03	5.38E-03	1.93E-06	5.82E-06	3.37E-06	3.45E-06	3.13E-06	1.43E-06	1.35E-06	6.44E-08	1.56E-06	3.43E-07	4.69E-07	7.44E-07	1.31E-07	8.89E-08	3.40E-06	1.76E-06	7.46E-07	8.78E-07	3.45E-07	1.76E-06	7.46E-07
2773	490660.04	3859410.04	5.18E-03	5.30E-03	5.00E-03	1.79E-06	5.41E-06	3.13E-06	3.21E-06	2.91E-06	1.33E-06	1.25E-06	5.98E-08	1.45E-06	3.19E-07	4.36E-07	6.91E-07	1.22E-07	8.25E-08	3.15E-06	1.63E-06	6.93E-07	8.15E-07	3.20E-07	1.63E-06	6.93E-07
2774	490710.04	3859410.04	4.84E-03	4.96E-03	4.68E-03	1.68E-06	5.06E-06	2.93E-06	3.00E-06	2.72E-06	1.24E-06	1.17E-06	5.60E-08	1.35E-06	2.98E-07	4.08E-07	6.47E-07	1.14E-07	7.73E-08	2.95E-06	1.53E-06	6.49E-07	7.63E-07	3.00E-07	1.53E-06	6.49E-07
2775	490760.04	3859410.04	4.51E-03	4.61E-03	4.35E-03	1.56E-06	4.71E-06	2.73E-06	2.79E-06	2.53E-06	1.16E-06	1.09E-06	5.21E-08	1.26E-06	2.78E-07	3.79E-07	6.01E-07	1.06E-07	7.19E-08	2.75E-06	1.42E-06	6.03E-07	7.10E-07	2.79E-07	1.42E-06	6.03E-07
2776	490810.04	3859410.04	4.32E-03	4.43E-03	4.17E-03	1.50E-06	4.52E-06	2.61E-06	2.68E-06	2.43E-06	1.11E-06	1.04E-06	5.00E-08	1.21E-06	2.66E-07	3.64E-07	5.77E-07	1.02E-07	6.89E-08	2.63E-06	1.36E-06	5.79E-07	6.81E-07	2.67E-07	1.36E-06	5.79E-07
2777	490860.04	3859410.04	4.17E-03	4.27E-03	4.03E-03	1.44E-06	4.36E-06	2.52E-06	2.59E-06	2.34E-06	1.07E-06	1.01E-06	4.82E-08	1.16E-06	2.57E-07	3.51E-07	5.57E-07	9.82E-08	6.65E-08	2.54E-06	1.32E-06	5.59E-07	6.57E-07	2.58E-07	1.32E-06	5.59E-07
2778	490360.04	3859460.04	9.31E-03	9.54E-03	9.00E-03	3.22E-06	9.73E-06	5.63E-06	5.77E-06	5.23E-06	2.39E-06	2.25E-06	1.08E-07	2.60E-06	5.74E-07	7.84E-07	1.24E-06	2.19E-07	1.49E-07	5.68E-06	2.94E-06	1.25E-06	1.47E-06	5.76E-07	2.94E-06	1.25E-06
2779	490410.04	3859460.04	8.53E-03	8.73E-03	8.24E-03	2.95E-06	8.91E-06	5.16E-06	5.28E-06	4.79E-06	2.19E-06	2.06E-06	9.86E-08	2.38E-06	5.25E-07	7.17E-07	1.14E-06	2.01E-07	1.36E-07	5.20E-06	2.69E-06	1.14E-06	1.34E-06	5.28E-07	2.69E-06	1.14E-06
2780	490460.04	3859460.04	7.90E-03	8.09E-03	7.63E-03	2.74E-06	8.26E-06	4.78E-06	4.90E-06	4.44E-06	2.03E-06	1.91E-06	9.13E-08	2.21E-06	4.87E-07	6.65E-07	1.05E-06	1.86E-07	1.26E-07	4.82E-06	2.49E-06	1.06E-06	1.24E-06	4.89E-07	2.49E-06	1.06E-06
2781	490510.04	3859460.04	7.34E-03	7.52E-03	7.09E-03	2.54E-06	7.67E-06	4.44E-06	4.55E-06	4.12E-06	1.88E-06	1.77E-06	8.49E-08	2.05E-06	4.52E-07	6.18E-07	9.80E-07	1.73E-07	1.17E-07	4.47E-06	2.32E-06	9.83E-07	1.16E-06	4.54E-07	2.32E-06	9.83E-07
2782	490560.04	3859460.04	6.85E-03	7.02E-03	6.62E-03	2.37E-06	7.16E-06	4.15E-06	4.25E-06	3.85E-06	1.76E-06	1.66E-06	7.92E-08	1.91E-06	4.22E-07	5.76E-07	9.14E-07	1.61E-07	1.09E-07	4.18E-06	2.16E-06	9.17E-07	1.08E-06	4.24E-07	2.16E-06	9.17E-07
2783	490610.04	3859460.04	6.38E-03	6.54E-03	6.17E-03	2.21E-06	6.67E-06	3.86E-06	3.96E-06	3.59E-06	1.64E-06	1.54E-06	7.38E-08	1.78E-06	3.93E-07	5.37E-07	8.52E-07	1.50E-07	1.02E-07	3.89E-06	2.01E-06	8.55E-07	1.01E-06	3.95E-07	2.01E-06	8.55E-07
2784	490660.04	3859460.04	5.95E-03	6.09E-03	5.74E-03	2.06E-06	6.22E-06	3.60E-06	3.69E-06	3.34E-06	1.52E-06	1.44E-06	6.87E-08	1.66E-06	3.66E-07	5.00E-07	7.94E-07	1.40E-07	9.48E-08	3.62E-06	1.88E-06	7.96E-07	9.37E-07	3.68E-07	1.88E-06	7.96E-07
2785	490710.04	3859460.04	5.59E-03	5.72E-03	5.40E-03	1.93E-06	5.84E-06	3.38E-06	3.46E-06	3.14E-06	1.43E-06	1.35E-06	6.46E-08	1.56E-06	3.44E-07	4.70E-07	7.46E-07	1.31E-07	8.91E-08	3.40E-06	1.76E-06	7.48E-07	8.80E-07	3.46E-07	1.76E-06	7.48E-07
2786	490760.04	3859460.04	5.24E-03	5.36E-03	5.06E-03	1.81E-06	5.47E-06	3.17E-06	3.25E-06	2.94E-06	1.34E-06	1.27E-06	6.05E-08	1.46E-06	3.23E-07	4.41E-07	6.99E-07	1.23E-07	8.35E-08	3.19E-06	1.65E-06	7.01E-07	8.25E-07	3.24E-07	1.65E-06	7.01E-07
2787	490810.04	3859460.04	4.92E-03	5.04E-03	4.76E-03	1.70E-06	5.15E-06	2.98E-06	3.05E-06	2.77E-06	1.26E-06	1.19E-06	5.69E-08	1.37E-06	3.03E-07	4.14E-07	6.57E-07	1.16E-07	7.85E-08	3.00E-06	1.55E-06	6.59E-07	7.76E-07	3.05E-07	1.55E-06	6.59E-07
2788	490860.04	3859460.04	4.71E-03	4.83E-03	4.55E-03	1.63E-06	4.92E-06	2.85E-06	2.92E-06	2.65E-06	1.21E-06	1.14E-06	5.45E-08	1.32E-06	2.90E-07	3.96E-07	6.29E-07	1.11E-07	7.51E-08	2.87E-06	1.49E-06	6.31E-07	7.42E-07	2.92E-07	1.49E-06	6.31E-07
2789	490360.04	3859510.04	1.16E-02	1.19E-02	1.12E-02	4.02E-06	1.22E-05	7.04E-06	7.21E-06	6.53E-06	2.98E-06	2.81E-06	1.34E-07	3.25E-06	7.16E-07	9.78E-07	1.55E-06	2.74E-07	1.85E-07	7.09E-06	3.67E-06	1.56E-06	1.83E-06	7.20E-07	3.67E-06	1.56E-06
2790	490410.04	3859510.04	1.05E-02	1.08E-02	1.02E-02	3.64E-06	1.10E-05	6.37E-06	6.52E-06	5.91E-06	2.70E-06	2.54E-06	1.22E-07	2.94E-06	6.48E-07	8.85E-07	1.40E-06	2.48E-07	1.68E-07	6.41E-06	3.32E-06	1.41E-06	1.66E-06	6.51E-07	3.32E-06	1.41E-06
2791	490460.04	3859510.04	9.56E-03	9.79E-03	9.24E-03	3.31E-06	9.99E-06	5.78E-06	5.93E-06	5.37E-06	2.45E-06	2.31E-06	1.11E-07	2.67E-06	5.89E-07	8.04E-07	1.28E-06	2.25E-07	1.52E-07	5.83E-06	3.02E-06	1.28E-06	1.51E-06	5.92E-07	3.02E-06	1.28E-06
2792	490510.04	3859510.04	8.78E-03	9.00E-03	8.49E-03	3.04E-06	9.18E-06	5.31E-06	5.44E-06	4.93E-06	2.25E-06	2.12E-06	1.02E-07	2.45E-06	5.41E-07	7.39E-07	1.17E-06	2.07E-07	1.40E-07	5.35E-06	2.77E-06	1.18E-06	1.38E-06	5.44E-07	2.77E-06	1.18E-06
2793	490560.04	3859510.04	8.11E-03	8.31E-03	7.84E-03	2.81E-06	8.48E-06	4.91E-06	5.03E-06	4.56E-06	2.08E-06	1.96E-06	9.37E-08	2.26E-06	5.00E-07	6.82E-07	1.08E-06	1.91E-07	1.29E-07	4.94E-06	2.56E-06	1.09E-06	1.28E-06	5.02E-07	2.56E-06	1.09E-06
2794	490610.04	3859510.04	7.49E-03	7.68E-03	7.24E-03	2.59E-06	7.83E-06	4.53E-06	4.64E-06	4.21E-06	1.92E-06	1.81E-06	8.66E-08	2.09E-06	4.62E-07	6.31E-07	1.00E-06	1.76E-07	1.20E-07	4.57E-06	2.37E-06	1.00E-06	1.18E-06	4.64E-07	2.37E-06	1.00E-06
2795	490660.04	3859510.04	6.95E-03	7.12E-03	6.72E-03	2.41E-06	7.27E-06	4.21E-06	4.31E-06	3.91E-06	1.78E-06	1.68E-06	8.04E-08	1.94E-06	4.28E-07	5.85E-07	9.28E-07	1.64E-07	1.11E-07	4.24E-06	2.19E-06	9.31E-07	1.10E-06	4.30E-07	2.19E-06	9.31E-07
2796	490710.04	3859510.04	6.46E-03	6.62E-03	6.24E-03	2.24E-06	6.75E-06	3.91E-06	4.00E-06	3.63E-06	1.66E-06	1.56E-06	7.47E-08	1.80E-06	3.98E-07	5.44E-07	8.62E-07	1.52E-07	1.03E-07	3.94E-06	2.04E-06	8.65E-07	1.02E-06	4.00E-07	2.04E-06	8.65E-07
2797	490760.04	3859510.04	6.03E-03	6.18E-03	5.83E-03	2.09E-06	6.31E-06	3.65E-06	3.74E-06	3.39E-06	1.55E-06	1.46E-06	6.98E-08	1.69E-06	3.72E-07	5.08E-07	8.06E-07	1.42E-07	9.62E-08	3.68E-06	1.90E-06	8.08E-07	9.51E-07	3.73E-07	1.90E-06	8.08E-07
2798	490810.04	3859510.04	5.68E-03	5.82E-03	5.49E-03	1.97E-06	5.94E-06	3.44E-06	3.52E-06	3.19E-06	1.46E-06	1.37E-06	6.57E-08	1.59E-06	3.50E-07	4.78E-07	7.59E-07	1.34E-07	9.06E-08	3.46E-06	1.79E-06	7.61E-07	8.95E-07	3.52E-07	1.79E-06	7.61E-07
2799	490860.04	3859510.04	5.35E-03	5.48E-03	5.17E-03	1.85E-06	5.59E-06	3.24E-06	3.31E-06	3.00E-06	1.37E-06	1.29E-06	6.18E-08	1.49E-06	3.29E-07	4.50E-07	7.14E-07	1.26E-07	8.53E-08	3.26E-06	1.69E-06	7.16E-07	8.42E-07	3.31E-07	1.69E-06	7.16E-07
2800	490360.04	3859560.04	1.54E-02	1.58E-02	1.49E-02	5.34E-06	1.61E-05	9.34E-06	9.57E-06	8.67E-06	3.96E-06	3.73E-06	1.78E-07	4.31E-06	9.51E-07	1.30E-06	2.06E-06	3.63E-07	2.46E-07	9.41E-06	4.87E-06	2.07E-06	2.43E-06	9.56E-07	4.87E-06	2.07E-06
2801	490410.04	3859560.04	1.37E-02	1.40E-02	1.32E-02	4.74E-06	1.43E-05	8.28E-06	8.48E-06	7.69E-06	3.51E-06	3.31E-06	1.58E-07	3.82E-06	8.43E-07	1.15E-06	1.83E-06	3.22E-07	2.18E-07	8.34E-06	4.32E-06	1.83E-06	2.16E-06	8.47E-07	4.32E-06	1.83E-06
2802	490460.04	3859560.04	1.22E-02	1.25E-02	1.18E-02	4.23E-06	1.28E-05	7.39E-06	7.57E-06	6.86E-06	3.13E-06	2.95E-06	1.41E-07	3.41E-06	7.53E-07	1.03E-06	1.63E-06	2.87E-07	1.95E-07	7.45E-06	3.86E-06	1.64E-06	1.92E-06	7.56E-07	3.86E-06	1.64E-06
2803	490510.04	3859560.04	1.09E-02	1.12E-02	1.05E-02	3.78E-06	1.14E-05	6.60E-06	6.76E-06	6.13E-06	2.80E-06	2.64E-06	1.26E-07	3.05E-06	6.72E-07	9.18E-07	1.46E-06	2.57E-07	1.74E-07	6.65E-06	3.44E-06	1.46E-06	1.72E-06	6.75E-07	3.44E-06	1.46E-06
2804	490560.04	3859560.04	9.94E-03	1.02E-02	9.60E-03	3.44E-06	1.04E-05	6.01E-06	6.16E-06	5.58E-06	2.55E-06	2.40E-06	1.15E-07	2.78E-06	6.12E-07	8.36E-07	1.33E-06	2.34E-07	1.59E-07	6.06E-06	3.14E-06	1.33E-06	1.57E-06	6.15E-07	3.14E-06	1.33E-06
2805	490610.04	3859560.04	9.07E-03	9.29E-03	8.76E-03	3.14E-06	9.48E-06	5.49E-06	5.62E-06	5.10E-06	2.33E-06	2.19E-06	1.05E-07	2.53E-06	5.59E-07	7.63E-07	1.21E-06	2.13E-07	1.45E-07	5.53E-06	2.86E-06	1.21E-06	1.43E-06	5.61E-07	2.86E-06	1.21E-06
2806	490660.04	3859560.04	8.33E-03	8.53E-03	8.04E-03	2.88E-06	8.70E-06	5.04E-06	5.16E-06	4.68E-06	2.13E-06	2.01E-06	9.63E-08	2.33E-06	5.13E-07	7.01E-07	1.11E-06	1.96E-07	1.33E-07	5.08E-06	2.63E-06	1.12E-06	1.31E-06	5.15E-07	2.63E-06	1.12E-06
2807	490710.04	3859560.04	7.66E-03	7.85E-03	7.40E-03	2.65E-06	8.01E-06	4.64E-06	4.75E-06	4.30E-06	1.96E-06	1.85E-06	8.86E-08	2.14E-06	4.72E-07	6.45E-07	1.02E-06	1.80E-07	1.22E-07	4.67E-06	2.42E-06	1.03E-06	1.21E-06	4.74E-07	2.42E-06	1.03E-06
2808	490760.04	3859560.04	7.04E-03	7.21E-03	6.80E-03	2.44E-06	7.36E-06	4.26E-06	4.36E-06	3.96E-06	1.80E-06	1.70E-06	8.14E-08	1.97E-06	4.34E-07	5.92E-07	9.40E-07	1.66E-07	1.12E-07	4.29E-06	2.22E-06	9.43E-07	1.11E-06	4.36E-07	2.22E-06	9.43E-07
2809	490810.04	3859560.04	6.54E-03	6.70E-03	6.32E-03	2.26E-06	6.84E-06	3.96E-06	4.05E-06	3.68E-06	1.68E-06	1.58E-06	7.56E-08	1.83E-06	4.03E-07	5.50E-07	8.73E-07	1.54E-07	1.04E-07	3.99E-06	2.06E-06	8.76E-07	1.03E-06	4.05E-07	2.06E-06	8.76E-07
2810	490860.04	3859560.04	6.09E-03	6.24E-03	5.89E-03	2.11E-06	6.37E-06	3.69E-06	3.78E-06	3.42E-06	1.56E-06	1.47E-06	7.04E-08	1.70E-06	3.75E-07	5.13E-07	8.13E-07	1.43E-07	9.72E-08	3.71E-06	1.92E-06	8.16E-07	9.60E-07	3.77E-07	1.92E-06	8.16E-07
2811	490187.25	3859422.08	1.11E-02	1.14E-02	1.07E-02	3.85E-06	1.16E-05	6.73E-06	6.89E-06	6.24E-06	2.85E-06	2.69E-06	1.28E-07	3.10E-06	6.85E-07	9.35E-07	1.48E-06	2.62E-07	1.77E-07	6.78E-06	3.51E-06	1.49E-06	1.75E-06	6.88E-07	3.51E-06	1.49E-06
2812	490237.25	3859422.08	1.01E-02	1.03E-02	9.72E-03	3.48E-06	1.05E-05	6.09E-06	6.24E-06	5.65E-06	2.58E-06	2.43E-06	1.16E-07	2.81E-06	6.20E-07	8.47E-07	1.34E-06	2.37E-07	1.60E-07	6.13E-06	3.18E-06	1.35E-06	1.59E-06	6.23E-07	3.18E-06	1.35E-06
2813	490287.25	3859422.08	9.18E-03	9.40E-03	8.87E-03	3.18E-06	9.59E-06	5.55E-06	5.69E-06	5.16E-06	2.35E-06	2.22E-06	1.06E-07	2.56E-06	5.66E-07	7.72E-07	1.23E-06	2.16E-07	1.46E-07	5.60E-06	2.90E-06	1.23E-06	1.45E-06	5.68E-07	2.90E-06	1.23E-06
2814	490337.25	3859422.08	8.40E-03	8.61E-03	8.12E-03	2.91E-06	8.78E-06	5.08E-06	5.21E-06	4.72E-06	2.15E-06	2.03E-06	9.71E-08	2.35E-06	5.18E-07	7.07E-07	1.12E-06	1.98E-07	1.34E-07	5.12E-06	2.65E-06	1.13E-06	1.32E-06	5.20E-07	2.65E-06	1.13E-06
2815	490187.25	3859472.08	1.40E-02	1.43E-02	1.35E-02	4.84E-06	1.46E-05	8.46E-06	8.67E-06	7.86E-06	3.58E-06	3.38E-06	1.62E-07	3.90E-06	8.62E-07	1.18E-06	1.87E-06	3.29E-07	2.23E-07	8.52E-06	4.41E-06	1.87E-06	2.20E-06	8.65E-07	4.41E-06	1.87E-06
2816	490237.25	3859472.08	1.25E-02	1.28E-02	1.21E-02	4.32E-06	1.30E-05	7.55E-06	7.73E-06	7.01E-06	3.20E-06	3.02E-06	1.44E-07	3.48E-06	7.69E-07	1.05E-06	1.67E-06	2.93E-07	1.99E-07	7.60E-06	3.94E-06	1.67E-06	1.97E-06	7.72E-07	3.94E-06	1.67E-06
2817	490287.25	3859472.08	1.12E-02	1.15E-02	1.08E-02	3.88E-06	1.17E-05	6.78E-06	6.94E-06	6.29E-06	2.87E-06	2.71E-06	1.29E-07	3.13E-06	6.90E-07	9.43E-07	1.50E-06	2.64E-07	1.79E-07	6.83E-06	3.54E-06	1.50E-06	1.76E-06	6.93E-07	3.54E-06	1.50E-06
2818	490337.25	3859472.08	1.02E-02	1.04E-02	9.84E-03	3.53E-06	1.07E-05	6.17E-06	6.31E-06	5.72E-06	2.61E-06	2.46E-06	1.18E-07	2.85E-06	6.28E-07	8.57E-07	1.36E-06	2.40E-07	1.63E-07	6.21E-06	3.22E-06	1.36E-06	1.61E-06	6.31E-07	3.22E-06	1.36E-06
2819	490297.07	3859500.42	1.26E-02	1.29E-02	1.22E-02	4.36E-06	1.32E-05	7.63E-06	7.81E-06	7.08E-06	3.23E-06	3.05E-06	1.46E-07	3.52E-06	7.77E-07	1.06E-06	1.68E-06	2.97E-07	2.01E-07	7.68E-06	3.98E-06	1.69E-06	1.99E-06	7.80E-07	3.98E-06	1.69E-06
2820	490327.07	3859500.42	1.19E-02	1.22E-02	1.15E-02	4.11E-06	1.24E-05	7.19E-06	7.36E-06	6.67E-06	3.05E-06	2.87E-06	1.37E-07	3.32E-06	7.32E-07	1.00E-06	1.59E-06	2.79E-07	1.89E-07	7.24E-06	3.75E-06	1.59E-06	1.87E-06	7.35E-07	3.75E-06	1.59E-06
2821	490297.07	3859530.42	1.50E-02	1.54E-02	1.45E-02	5.19E-06	1.57E-05	9.07E-06	9.29E-06	8.42E-06	3.84E-06	3.62E-06	1.73E-07	4.19E-06	9.24E-07	1.26E-06	2.00E-06	3.53E-07	2.39E-07	9.14E-06	4.73E-06	2.01E-06	2.36E-06	9.28E-07	4.73E-06	2.01E-06
2822	490327.07	3859530.42	1.39E-02	1.43E-02	1.35E-02	4.83E-06	1.46E-05	8.44E-06	8.64E-06	7.84E-06	3.58E-06	3.37E-06	1.61E-07	3.89E-06	8.59E-07	1.17E-06	1.86E-06	3.28E-07	2.22E-07	8.50E-06	4.40E-06	1.87E-06	2.20E-06	8.63E-07	4.40E-06	1.87E-06
2823	490319.73	3859055.34	4.07E-03	4.17E-03	3.93E-03	1.41E-06	4.25E-06	2.46E-06	2.52E-06	2.29E-06	1.04E-06	9.83E-07	4.70E-08	1.14E-06	2.51E-07	3.42E-07	5.43E-07	9.57E-08	6.49E-08	2.48E-06	1.28E-06	5.45E-07	6.41E-07	2.52E-07	1.28E-06	5.45E-07
2824	490319.73	3859105.34	4.33E-03	4.44E-03	4.18E-03	1.50E-06	4.53E-06	2.62E-06	2.68E-06	2.43E-06	1.11E-06	1.05E-06	5.01E-08	1.21E-06	2.67E-07	3.64E-07	5.78E-07	1.02E-07	6.91E-08	2.64E-06	1.37E-06	5.80E-07	6.82E-07	2.68E-07	1.37E-06	5.80E-07
2825	490069.73	3859155.34	6.14E-03	6.29E-03	5.93E-03	2.13E-06	6.42E-06	3.72E-06	3.81E-06	3.45E-06	1.57E-06	1.48E-06	7.10E-08	1.71E-06	3.78E-07	5.17E-07	8.20E-07	1.44E-07	9.79E-08	3.74E-06	1.94E-06	8.22E-07	9.67E-07	3.80E-07	1.94E-06	8.22E-07
2826	490119.73	3859155.34	5.80E-03	5.94E-03	5.60E-03	2.01E-06	6.06E-06	3.51E-06	3.59E-06	3.26E-06	1.49E-06	1.40E-06	6.70E-08	1.62E-06	3.57E-07	4.88E-07	7.74E-07	1.36E-07	9.25E-08	3.53E-06	1.83E-06	7.76E-07	9.13E-07	3.59E-07	1.83E-06	7.76E-07
2827	490269.73	3859155.34	4.96E-03	5.08E-03	4.79E-03	1.72E-06	5.18E-06	3.00E-06	3.07E-06	2.79E-06	1.27E-06	1.20E-06	5.73E-08	1.39E-06	3.06E-07	4.17E-07	6.62E-07	1.17E-07	7.91E-08	3.02E-06	1.57E-06	6.64E-07	7.81E-07	3.07E-07	1.57E-06	6.64E-07
2828	490319.73	3859155.34	4.67E-03	4.78E-03	4.51E-03	1.62E-06	4.88E-06	2.83E-06	2.89E-06	2.62E-06	1.20E-06	1.13E-06	5.40E-08	1.30E-06	2.88E-07	3.93E-07	6.23E-07	1.10E-07	7.45E-08	2.85E-06	1.47E-06	6.26E-07	7.36E-07	2.89E-07	1.47E-06	6.26E-07
2829	490069.73	3859205.34	6.90E-03	7.07E-03	6.67E-03	2.39E-06	7.22E-06	4.18E-06	4.28E-06	3.88E-06	1.77E-06	1.67E-06	7.98E-08	1.93E-06	4.25E-07	5.81E-07	9.22E-07	1.62E-07	1.10E-07	4.21E-06	2.18E-06	9.25E-07	1.09E-06	4.27E-07	2.18E-06	9.25E-07
2830	490119.73	3859205.34	6.51E-03	6.67E-03	6.29E-03	2.26E-06	6.81E-06	3.94E-06	4.04E-06	3.66E-06	1.67E-06	1.58E-06	7.53E-08	1.82E-06	4.01E-07	5.48E-07	8.70E-07	1.53E-07	1.04E-07	3.97E-06	2.06E-06	8.72E-07	1.03E-06	4.03E-07	2.06E-06	8.72E-07
2831	490169.73	3859205.34	6.13E-03	6.28E-03	5.92E-03	2.12E-06	6.41E-06	3.71E-06	3.80E-06	3.44E-06	1.57E-06	1.48E-06	7.09E-08	1.71E-06	3.78E-07	5.16E-07	8.19E-07	1.44E-07	9.78E-08	3.74E-06	1.94E-06	8.21E-07	9.66E-07	3.80E-07	1.94E-06	8.21E-07
2832	490219.73	3859205.34	5.74E-03	5.88E-03	5.54E-03	1.99E-06	6.00E-06	3.47E-06	3.56E-06	3.22E-06	1.47E-06	1.39E-06	6.63E-08	1.60E-06	3.54E-07	4.83E-07	7.66E-07	1.35E-07	9.15E-08	3.50E-06	1.81E-06	7.68E-07	9.04E-07	3.55E-07	1.81E-06	7.68E-07
2833	490269.73	3859205.34	5.36E-03	5.49E-03	5.17E-03	1.85E-06	5.60E-06	3.24E-06	3.32E-06	3.01E-06	1.37E-06	1.30E-06	6.19E-08	1.50E-06	3.30E-07	4.51E-07	7.15E-07	1.26E-07	8.54E-08	3.26E-06	1.69E-06	7.17E-07	8.44E-07	3.31E-07	1.69E-06	7.17E-07
2834	490319.73	3859205.34	5.06E-03	5.18E-03	4.89E-03	1.75E-06	5.29E-06	3.06E-06	3.13E-06	2.84E-06	1.30E-06	1.22E-06	5.85E-08	1.41E-06	3.12E-07	4.26E-07	6.75E-07	1.19E-07	8.07E-08	3.08E-06	1.60E-06	6.77E-07	7.97E-07	3.13E-07	1.60E-06	6.77E-07
2835	490069.73	3859255.34	7.83E-03	8.02E-03	7.56E-03	2.71E-06	8.18E-06	4.74E-06	4.85E-06	4.40E-06	2.01E-06	1.89E-06	9.05E-08	2.19E-06	4.82E-07	6.59E-07	1.04E-06	1.84E-07	1.25E-07	4.77E-06	2.47E-06	1.05E-06	1.23E-06	4.84E-07	2.47E-06	1.05E-06
2836	490119.73	3859255.34	7.32E-03	7.49E-03	7.07E-03	2.53E-06	7.65E-06	4.43E-06	4.53E-06	4.11E-06	1.88E-06	1.77E-06	8.46E-08	2.04E-06	4.51E-07	6.16E-07	9.77E-07	1.72E-07	1.17E-07	4.46E-06	2.31E-06	9.80E-07	1.15E-06	4.53E-07	2.31E-06	9.80E-07
2837	490169.73	3859255.34	6.84E-03	7.01E-03	6.61E-03	2.37E-06	7.15E-06	4.14E-06	4.24E-06	3.84E-06	1.75E-06	1.65E-06	7.91E-08	1.91E-06	4.22E-07	5.76E-07	9.13E-07	1.61E-07	1.09E-07	4.17E-06	2.16E-06	9.16E-07	1.08E-06	4.24E-07	2.16E-06	9.16E-07
2838	490219.73	3859255.34	6.37E-03	6.52E-03	6.15E-03	2.21E-06	6.66E-06	3.85E-06	3.95E-06	3.58E-06	1.63E-06	1.54E-06	7.36E-08	1.78E-06	3.92E-07	5.36E-07	8.50E-07	1.50E-07	1.02E-07	3.88E-06	2.01E-06	8.53E-07	1.00E-06	3.94E-07	2.01E-06	8.53E-07
2839	490269.73	3859255.34	5.93E-03	6.08E-03	5.73E-03	2.05E-06	6.20E-06	3.59E-06	3.68E-06	3.33E-06	1.52E-06	1.43E-06	6.86E-08	1.66E-06	3.66E-07	4.99E-07	7.92E-07	1.40E-07	9.46E-08	3.62E-06	1.87E-06	7.95E-07	9.35E-07	3.67E-07	1.87E-06	7.95E-07
2840	490319.73	3859255.34	5.57E-03	5.70E-03	5.38E-03	1.93E-06	5.82E-06	3.37E-06	3.45E-06	3.13E-06	1.43E-06	1.35E-06	6.44E-08	1.56E-06	3.43E-07	4.69E-07	7.43E-07	1.31E-07	8.88E-08	3.39E-06	1.76E-06	7.46E-07	8.77E-07	3.45E-07	1.76E-06	7.46E-07
2841	490069.73	3859305.34	9.06E-03	9.28E-03	8.75E-03	3.14E-06	9.47E-06	5.48E-06	5.61E-06	5.09E-06	2.32E-06	2.19E-06	1.05E-07	2.53E-06	5.58E-07	7.62E-07	1.21E-06	2.13E-07	1.45E-07	5.52E-06	2.86E-06	1.21E-06	1.43E-06	5.61E-07	2.86E-06	1.21E-06
2842	490119.73	3859305.34	8.38E-03	8.59E-03	8.10E-03	2.90E-06	8.76E-06	5.07E-06	5.20E-06	4.71E-06	2.15E-06	2.03E-06	9.69E-08	2.34E-06	5.17E-07	7.05E-07	1.12E-06	1.97E-07	1.34E-07	5.11E-06	2.65E-06	1.12E-06	1.32E-06	5.19E-07	2.65E-06	1.12E-06

2843	490169.73	3859305.34	7.77E-03	7.96E-03	7.50E-03	2.69E-06	8.12E-06	4.70E-06	4.81E-06	4.36E-06	1.99E-06	1.88E-06	8.98E-08	2.17E-06	4.79E-07	6.54E-07	1.04E-06	1.83E-07	1.24E-07	4.73E-06	2.45E-06	1.04E-06	1.22E-06	4.81E-07	2.45E-06	1.04E-06
2844	490219.73	3859305.34	7.20E-03	7.37E-03	6.95E-03	2.49E-06	7.52E-06	4.36E-06	4.46E-06	4.04E-06	1.85E-06	1.74E-06	8.32E-08	2.01E-06	4.43E-07	6.06E-07	9.61E-07	1.69E-07	1.15E-07	4.39E-06	2.27E-06	9.64E-07	1.13E-06	4.45E-07	2.27E-06	9.64E-07
2845	490269.73	3859305.34	6.68E-03	6.84E-03	6.45E-03	2.31E-06	6.98E-06	4.04E-06	4.14E-06	3.75E-06	1.71E-06	1.62E-06	7.72E-08	1.87E-06	4.12E-07	5.62E-07	8.92E-07	1.57E-07	1.07E-07	4.07E-06	2.11E-06	8.95E-07	1.05E-06	4.13E-07	2.11E-06	8.95E-07
2846	490319.73	3859305.34	6.20E-03	6.35E-03	5.99E-03	2.15E-06	6.48E-06	3.75E-06	3.84E-06	3.48E-06	1.59E-06	1.50E-06	7.16E-08	1.73E-06	3.82E-07	5.21E-07	8.27E-07	1.46E-07	9.88E-08	3.78E-06	1.96E-06	8.30E-07	9.76E-07	3.84E-07	1.96E-06	8.30E-07
2847	490069.73	3859355.34	1.08E-02	1.11E-02	1.05E-02	3.75E-06	1.13E-05	6.56E-06	6.71E-06	6.09E-06	2.78E-06	2.62E-06	1.25E-07	3.03E-06	6.68E-07	9.12E-07	1.45E-06	2.55E-07	1.73E-07	6.60E-06	3.42E-06	1.45E-06	1.71E-06	6.71E-07	3.42E-06	1.45E-06
2848	490119.73	3859355.34	9.87E-03	1.01E-02	9.54E-03	3.42E-06	1.03E-05	5.97E-06	6.12E-06	5.55E-06	2.53E-06	2.39E-06	1.14E-07	2.76E-06	6.08E-07	8.31E-07	1.32E-06	2.32E-07	1.57E-07	6.02E-06	3.12E-06	1.32E-06	1.56E-06	6.11E-07	3.12E-06	1.32E-06
2849	490169.73	3859355.34	9.03E-03	9.25E-03	8.73E-03	3.13E-06	9.44E-06	5.47E-06	5.60E-06	5.08E-06	2.32E-06	2.18E-06	1.04E-07	2.52E-06	5.57E-07	7.60E-07	1.21E-06	2.13E-07	1.44E-07	5.51E-06	2.85E-06	1.21E-06	1.42E-06	5.59E-07	2.85E-06	1.21E-06
2850	490219.73	3859355.34	8.28E-03	8.48E-03	8.00E-03	2.87E-06	8.65E-06	5.01E-06	5.13E-06	4.65E-06	2.12E-06	2.00E-06	9.57E-08	2.31E-06	5.10E-07	6.97E-07	1.10E-06	1.95E-07	1.32E-07	5.05E-06	2.61E-06	1.11E-06	1.30E-06	5.12E-07	2.61E-06	1.11E-06
2851	490269.73	3859355.34	7.65E-03	7.83E-03	7.39E-03	2.65E-06	7.99E-06	4.63E-06	4.74E-06	4.29E-06	1.96E-06	1.85E-06	8.84E-08	2.13E-06	4.71E-07	6.43E-07	1.02E-06	1.80E-07	1.22E-07	4.66E-06	2.41E-06	1.02E-06	1.20E-06	4.73E-07	2.41E-06	1.02E-06
2852	490319.73	3859355.34	7.06E-03	7.23E-03	6.82E-03	2.44E-06	7.38E-06	4.27E-06	4.37E-06	3.96E-06	1.81E-06	1.71E-06	8.16E-08	1.97E-06	4.35E-07	5.94E-07	9.42E-07	1.66E-07	1.13E-07	4.30E-06	2.23E-06	9.45E-07	1.11E-06	4.37E-07	2.23E-06	9.45E-07
2853	490069.73	3859405.34	1.34E-02	1.38E-02	1.30E-02	4.65E-06	1.40E-05	8.13E-06	8.33E-06	7.55E-06	3.44E-06	3.25E-06	1.55E-07	3.75E-06	8.28E-07	1.13E-06	1.79E-06	3.16E-07	2.14E-07	8.19E-06	4.24E-06	1.80E-06	2.12E-06	8.32E-07	4.24E-06	1.80E-06
2854	490119.73	3859405.34	1.20E-02	1.23E-02	1.16E-02	4.14E-06	1.25E-05	7.24E-06	7.42E-06	6.73E-06	3.07E-06	2.90E-06	1.38E-07	3.34E-06	7.38E-07	1.01E-06	1.60E-06	2.82E-07	1.91E-07	7.30E-06	3.78E-06	1.60E-06	1.89E-06	7.41E-07	3.78E-06	1.60E-06
2855	490169.73	3859405.34	1.08E-02	1.10E-02	1.04E-02	3.73E-06	1.13E-05	6.52E-06	6.68E-06	6.05E-06	2.76E-06	2.61E-06	1.25E-07	3.01E-06	6.64E-07	9.07E-07	1.44E-06	2.54E-07	1.72E-07	6.57E-06	3.40E-06	1.44E-06	1.70E-06	6.67E-07	3.40E-06	1.44E-06
2856	490219.73	3859405.34	9.78E-03	1.00E-02	9.45E-03	3.39E-06	1.02E-05	5.92E-06	6.06E-06	5.50E-06	2.51E-06	2.37E-06	1.13E-07	2.73E-06	6.03E-07	8.23E-07	1.31E-06	2.30E-07	1.56E-07	5.96E-06	3.09E-06	1.31E-06	1.54E-06	6.05E-07	3.09E-06	1.31E-06
2857	490269.73	3859405.34	8.91E-03	9.13E-03	8.61E-03	3.08E-06	9.31E-06	5.39E-06	5.52E-06	5.01E-06	2.28E-06	2.15E-06	1.03E-07	2.49E-06	5.49E-07	7.50E-07	1.19E-06	2.10E-07	1.42E-07	5.43E-06	2.81E-06	1.19E-06	1.40E-06	5.51E-07	2.81E-06	1.19E-06
2858	490319.73	3859405.34	8.16E-03	8.36E-03	7.89E-03	2.83E-06	8.53E-06	4.94E-06	5.06E-06	4.59E-06	2.09E-06	1.97E-06	9.44E-08	2.28E-06	5.03E-07	6.87E-07	1.09E-06	1.92E-07	1.30E-07	4.98E-06	2.58E-06	1.09E-06	1.29E-06	5.05E-07	2.58E-06	1.09E-06
2859	490161.89	3859541.83	2.44E-02	2.50E-02	2.36E-02	8.46E-06	2.55E-05	1.48E-05	1.51E-05	1.37E-05	6.26E-06	5.91E-06	2.83E-07	6.82E-06	1.51E-06	2.06E-06	3.26E-06	5.75E-07	3.90E-07	1.49E-05	7.71E-06	3.27E-06	3.85E-06	1.51E-06	7.71E-06	3.27E-06
2860	490171.89	3859541.83	2.36E-02	2.41E-02	2.28E-02	8.16E-06	2.46E-05	1.43E-05	1.46E-05	1.32E-05	6.04E-06	5.70E-06	2.73E-07	6.58E-06	1.45E-06	1.98E-06	3.15E-06	5.55E-07	3.76E-07	1.44E-05	7.44E-06	3.16E-06	3.71E-06	1.46E-06	7.44E-06	3.16E-06
2861	490161.89	3859551.83	2.70E-02	2.76E-02	2.61E-02	9.34E-06	2.82E-05	1.63E-05	1.67E-05	1.52E-05	6.92E-06	6.53E-06	3.12E-07	7.54E-06	1.66E-06	2.27E-06	3.60E-06	6.35E-07	4.31E-07	1.65E-05	8.52E-06	3.61E-06	4.25E-06	1.67E-06	8.52E-06	3.61E-06
2862	490171.89	3859551.83	2.60E-02	2.66E-02	2.51E-02	8.99E-06	2.71E-05	1.57E-05	1.61E-05	1.46E-05	6.66E-06	6.28E-06	3.00E-07	7.25E-06	1.60E-06	2.18E-06	3.47E-06	6.11E-07	4.14E-07	1.58E-05	8.19E-06	3.48E-06	4.09E-06	1.61E-06	8.19E-06	3.48E-06
2863	489799.72	3859348.21	2.29E-02	2.35E-02	2.22E-02	7.94E-06	2.40E-05	1.39E-05	1.42E-05	1.29E-05	5.88E-06	5.54E-06	2.65E-07	6.40E-06	1.41E-06	1.93E-06	3.06E-06	5.39E-07	3.66E-07	1.40E-05	7.24E-06	3.07E-06	3.61E-06	1.42E-06	7.24E-06	3.07E-06
2864	489819.72	3859348.21	2.11E-02	2.16E-02	2.04E-02	7.30E-06	2.20E-05	1.28E-05	1.31E-05	1.18E-05	5.41E-06	5.10E-06	2.44E-07	5.89E-06	1.30E-06	1.77E-06	2.82E-06	4.96E-07	3.36E-07	1.29E-05	6.66E-06	2.82E-06	3.32E-06	1.31E-06	6.66E-06	2.82E-06
2865	489799.72	3859368.21	2.73E-02	2.79E-02	2.63E-02	9.44E-06	2.85E-05	1.65E-05	1.69E-05	1.53E-05	6.99E-06	6.59E-06	3.15E-07	7.61E-06	1.68E-06	2.29E-06	3.64E-06	6.41E-07	4.35E-07	1.66E-05	8.60E-06	3.65E-06	4.29E-06	1.69E-06	8.60E-06	3.65E-06
2866	489819.72	3859368.21	2.47E-02	2.53E-02	2.39E-02	8.55E-06	2.58E-05	1.50E-05	1.53E-05	1.39E-05	6.33E-06	5.97E-06	2.86E-07	6.90E-06	1.52E-06	2.08E-06	3.30E-06	5.81E-07	3.94E-07	1.51E-05	7.80E-06	3.31E-06	3.89E-06	1.53E-06	7.80E-06	3.31E-06
2867	489775.41	3859329.72	2.20E-02	2.26E-02	2.13E-02	7.63E-06	2.30E-05	1.33E-05	1.37E-05	1.24E-05	5.65E-06	5.33E-06	2.55E-07	6.16E-06	1.36E-06	1.86E-06	2.94E-06	5.19E-07	3.52E-07	1.34E-05	6.96E-06	2.95E-06	3.47E-06	1.36E-06	6.96E-06	2.95E-06
2868	489795.41	3859329.72	2.03E-02	2.08E-02	1.96E-02	7.04E-06	2.13E-05	1.23E-05	1.26E-05	1.14E-05	5.21E-06	4.92E-06	2.35E-07	5.68E-06	1.25E-06	1.71E-06	2.71E-06	4.78E-07	3.24E-07	1.24E-05	6.42E-06	2.72E-06	3.20E-06	1.26E-06	6.42E-06	2.72E-06
2869	489775.41	3859349.72	2.60E-02	2.66E-02	2.51E-02	9.00E-06	2.72E-05	1.57E-05	1.61E-05	1.46E-05	6.67E-06	6.29E-06	3.01E-07	7.26E-06	1.60E-06	2.19E-06	3.47E-06	6.12E-07	4.15E-07	1.58E-05	8.21E-06	3.48E-06	4.10E-06	1.61E-06	8.21E-06	3.48E-06
2870	489795.41	3859349.72	2.37E-02	2.42E-02	2.29E-02	8.19E-06	2.47E-05	1.43E-05	1.47E-05	1.33E-05	6.06E-06	5.72E-06	2.73E-07	6.61E-06	1.46E-06	1.99E-06	3.16E-06	5.57E-07	3.77E-07	1.44E-05	7.47E-06	3.17E-06	3.73E-06	1.46E-06	7.47E-06	3.17E-06
2871	489595.05	3859219.43	2.03E-02	2.08E-02	1.96E-02	7.02E-06	2.12E-05	1.23E-05	1.26E-05	1.14E-05	5.20E-06	4.91E-06	2.35E-07	5.66E-06	1.25E-06	1.71E-06	2.71E-06	4.77E-07	3.24E-07	1.24E-05	6.40E-06	2.72E-06	3.20E-06	1.26E-06	6.40E-06	2.72E-06
2872	489615.05	3859219.43	1.88E-02	1.92E-02	1.81E-02	6.50E-06	1.96E-05	1.14E-05	1.16E-05	1.06E-05	4.82E-06	4.54E-06	2.17E-07	5.25E-06	1.16E-06	1.58E-06	2.51E-06	4.42E-07	3.00E-07	1.14E-05	5.93E-06	2.52E-06	2.96E-06	1.16E-06	5.93E-06	2.52E-06
2873	489595.05	3859239.43	2.36E-02	2.42E-02	2.28E-02	8.18E-06	2.47E-05	1.43E-05	1.47E-05	1.33E-05	6.06E-06	5.72E-06	2.73E-07	6.60E-06	1.46E-06	1.99E-06	3.16E-06	5.56E-07	3.77E-07	1.44E-05	7.46E-06	3.17E-06	3.72E-06	1.46E-06	7.46E-06	3.17E-06
2874	489615.05	3859239.43	2.17E-02	2.22E-02	2.09E-02	7.50E-06	2.26E-05	1.31E-05	1.34E-05	1.22E-05	5.55E-06	5.24E-06	2.50E-07	6.05E-06	1.33E-06	1.82E-06	2.89E-06	5.09E-07	3.45E-07	1.32E-05	6.83E-06	2.90E-06	3.41E-06	1.34E-06	6.83E-06	2.90E-06
2875	489372.4	3859092.58	1.97E-02	2.02E-02	1.90E-02	6.82E-06	2.06E-05	1.19E-05	1.22E-05	1.11E-05	5.05E-06	4.76E-06	2.28E-07	5.50E-06	1.21E-06	1.66E-06	2.63E-06	4.63E-07	3.14E-07	1.20E-05	6.22E-06	2.64E-06	3.10E-06	1.22E-06	6.22E-06	2.64E-06
2876	489422.4	3859092.58	1.65E-02	1.69E-02	1.60E-02	5.72E-06	1.73E-05	1.00E-05	1.02E-05	9.29E-06	4.24E-06	4.00E-06	1.91E-07	4.62E-06	1.02E-06	1.39E-06	2.21E-06	3.89E-07	2.64E-07	1.01E-05	5.22E-06	2.21E-06	2.61E-06	1.02E-06	5.22E-06	2.21E-06
2877	489372.4	3859142.58	2.98E-02	3.05E-02	2.88E-02	1.03E-05	3.11E-05	1.80E-05	1.85E-05	1.67E-05	7.64E-06	7.20E-06	3.44E-07	8.32E-06	1.84E-06	2.51E-06	3.98E-06	7.01E-07	4.75E-07	1.82E-05	9.40E-06	3.99E-06	4.69E-06	1.84E-06	9.40E-06	3.99E-06
2878	489422.4	3859142.58	2.33E-02	2.39E-02	2.25E-02	8.06E-06	2.43E-05	1.41E-05	1.44E-05	1.31E-05	5.97E-06	5.63E-06	2.69E-07	6.50E-06	1.44E-06	1.96E-06	3.11E-06	5.48E-07	3.72E-07	1.42E-05	7.35E-06	3.12E-06	3.67E-06	1.44E-06	7.35E-06	3.12E-06
2879	488870.84	3858666.64	9.65E-03	9.89E-03	9.33E-03	3.34E-06	1.01E-05	5.84E-06	5.98E-06	5.42E-06	2.47E-06	2.33E-06	1.12E-07	2.70E-06	5.95E-07	8.12E-07	1.29E-06	2.27E-07	1.54E-07	5.88E-06	3.05E-06	1.29E-06	1.52E-06	5.97E-07	3.05E-06	1.29E-06
2880	488900.84	3858666.64	9.15E-03	9.37E-03	8.84E-03	3.17E-06	9.56E-06	5.53E-06	5.67E-06	5.14E-06	2.34E-06	2.21E-06	1.06E-07	2.55E-06	5.64E-07	7.70E-07	1.22E-06	2.15E-07	1.46E-07	5.57E-06	2.89E-06	1.22E-06	1.44E-06	5.66E-07	2.89E-06	1.22E-06
2881	488870.84	3858696.64	1.07E-02	1.10E-02	1.04E-02	3.72E-06	1.12E-05	6.50E-06	6.66E-06	6.04E-06	2.75E-06	2.60E-06	1.24E-07	3.00E-06	6.62E-07	9.04E-07	1.43E-06	2.53E-07	1.71E-07	6.55E-06	3.39E-06	1.44E-06	1.69E-06	6.65E-07	3.39E-06	1.44E-06
2882	488900.84	3858696.64	1.01E-02	1.04E-02	9.77E-03	3.50E-06	1.06E-05	6.12E-06	6.27E-06	5.68E-06	2.59E-06	2.45E-06	1.17E-07	2.82E-06	6.23E-07	8.51E-07	1.35E-06	2.38E-07	1.61E-07	6.17E-06	3.19E-06	1.35E-06	1.59E-06	6.26E-07	3.19E-06	1.35E-06
2883	488889.67	3858683.97	9.88E-03	1.01E-02	9.55E-03	3.42E-06	1.03E-05	5.98E-06	6.13E-06	5.55E-06	2.53E-06	2.39E-06	1.14E-07	2.76E-06	6.09E-07	8.32E-07	1.32E-06	2.33E-07	1.58E-07	6.02E-06	3.12E-06	1.32E-06	1.56E-06	6.12E-07	3.12E-06	1.32E-06
2884	488919.67	3858683.97	9.36E-03	9.58E-03	9.04E-03	3.24E-06	9.78E-06	5.66E-06	5.80E-06	5.26E-06	2.40E-06	2.26E-06	1.08E-07	2.61E-06	5.77E-07	7.87E-07	1.25E-06	2.20E-07	1.49E-07	5.70E-06	2.95E-06	1.25E-06	1.47E-06	5.79E-07	2.95E-06	1.25E-06
2885	488889.67	3858713.97	1.10E-02	1.13E-02	1.07E-02	3.82E-06	1.15E-05	6.68E-06	6.84E-06	6.20E-06	2.83E-06	2.67E-06	1.28E-07	3.08E-06	6.80E-07	9.29E-07	1.47E-06	2.60E-07	1.76E-07	6.73E-06	3.48E-06	1.48E-06	1.74E-06	6.83E-07	3.48E-06	1.48E-06
2886	488919.67	3858713.97	1.04E-02	1.06E-02	1.00E-02	3.59E-06	1.08E-05	6.28E-06	6.43E-06	5.83E-06	2.66E-06	2.51E-06	1.20E-07	2.90E-06	6.39E-07	8.73E-07	1.38E-06	2.44E-07	1.65E-07	6.32E-06	3.27E-06	1.39E-06	1.63E-06	6.42E-07	3.27E-06	1.39E-06
2887	488906.61	3858703.33	1.02E-02	1.05E-02	9.90E-03	3.55E-06	1.07E-05	6.20E-06	6.35E-06	5.76E-06	2.63E-06	2.48E-06	1.18E-07	2.86E-06	6.31E-07	8.62E-07	1.37E-06	2.41E-07	1.63E-07	6.24E-06	3.23E-06	1.37E-06	1.61E-06	6.34E-07	3.23E-06	1.37E-06
2888	488936.61	3858703.33	9.67E-03	9.90E-03	9.34E-03	3.35E-06	1.01E-05	5.85E-06	5.99E-06	5.43E-06	2.48E-06	2.34E-06	1.12E-07	2.70E-06	5.96E-07	8.14E-07	1.29E-06	2.27E-07	1.54E-07	5.89E-06	3.05E-06	1.29E-06	1.52E-06	5.98E-07	3.05E-06	1.29E-06
2889	488906.61	3858733.33	1.15E-02	1.17E-02	1.11E-02	3.97E-06	1.20E-05	6.94E-06	7.11E-06	6.44E-06	2.94E-06	2.77E-06	1.33E-07	3.20E-06	7.07E-07	9.65E-07	1.53E-06	2.70E-07	1.83E-07	6.99E-06	3.62E-06	1.54E-06	1.81E-06	7.10E-07	3.62E-06	1.54E-06
2890	488936.61	3858733.33	1.08E-02	1.10E-02	1.04E-02	3.72E-06	1.12E-05	6.51E-06	6.67E-06	6.04E-06	2.76E-06	2.60E-06	1.24E-07	3.00E-06	6.63E-07	9.05E-07	1.44E-06	2.53E-07	1.72E-07	6.56E-06	3.40E-06	1.44E-06	1.69E-06	6.66E-07	3.40E-06	1.44E-06
2891	488637.63	3858467.85	7.81E-03	7.99E-03	7.54E-03	2.70E-06	8.16E-06	4.72E-06	4.84E-06	4.39E-06	2.00E-06	1.89E-06	9.02E-08	2.18E-06	4.81E-07	6.57E-07	1.04E-06	1.84E-07	1.24E-07	4.76E-06	2.46E-06	1.05E-06	1.23E-06	4.83E-07	2.46E-06	1.05E-06
2892	488662.63	3858467.85	7.54E-03	7.72E-03	7.28E-03	2.61E-06	7.88E-06	4.56E-06	4.67E-06	4.23E-06	1.93E-06	1.82E-06	8.71E-08	2.10E-06	4.64E-07	6.34E-07	1.01E-06	1.77E-07	1.20E-07	4.59E-06	2.38E-06	1.01E-06	1.19E-06	4.66E-07	2.38E-06	1.01E-06
2893	488637.63	3858492.85	8.38E-03	8.58E-03	8.09E-03	2.90E-06	8.75E-06	5.07E-06	5.19E-06	4.71E-06	2.15E-06	2.03E-06	9.68E-08	2.34E-06	5.16E-07	7.05E-07	1.12E-06	1.97E-07	1.34E-07	5.10E-06	2.64E-06	1.12E-06	1.32E-06	5.18E-07	2.64E-06	1.12E-06
2894	488662.63	3858492.85	8.06E-03	8.25E-03	7.79E-03	2.79E-06	8.42E-06	4.88E-06	4.99E-06	4.53E-06	2.07E-06	1.95E-06	9.32E-08	2.25E-06	4.97E-07	6.78E-07	1.08E-06	1.90E-07	1.29E-07	4.91E-06	2.54E-06	1.08E-06	1.27E-06	4.99E-07	2.54E-06	1.08E-06
2895	488687.63	3858492.85	7.76E-03	7.95E-03	7.50E-03	2.69E-06	8.11E-06	4.70E-06	4.81E-06	4.36E-06	1.99E-06	1.88E-06	8.97E-08	2.17E-06	4.78E-07	6.53E-07	1.04E-06	1.83E-07	1.24E-07	4.73E-06	2.45E-06	1.04E-06	1.22E-06	4.80E-07	2.45E-06	1.04E-06
2896	488637.63	3858517.85	9.04E-03	9.26E-03	8.74E-03	3.13E-06	9.45E-06	5.47E-06	5.60E-06	5.08E-06	2.32E-06	2.19E-06	1.05E-07	2.52E-06	5.57E-07	7.61E-07	1.21E-06	2.13E-07	1.44E-07	5.51E-06	2.85E-06	1.21E-06	1.42E-06	5.60E-07	2.85E-06	1.21E-06
2897	488662.63	3858517.85	8.67E-03	8.88E-03	8.38E-03	3.00E-06	9.06E-06	5.25E-06	5.37E-06	4.87E-06	2.22E-06	2.10E-06	1.00E-07	2.42E-06	5.34E-07	7.29E-07	1.16E-06	2.04E-07	1.38E-07	5.28E-06	2.74E-06	1.16E-06	1.37E-06	5.37E-07	2.74E-06	1.16E-06
2898	488687.63	3858517.85	8.33E-03	8.53E-03	8.05E-03	2.88E-06	8.70E-06	5.04E-06	5.16E-06	4.68E-06	2.13E-06	2.01E-06	9.63E-08	2.33E-06	5.13E-07	7.01E-07	1.11E-06	1.96E-07	1.33E-07	5.08E-06	2.63E-06	1.12E-06	1.31E-06	5.15E-07	2.63E-06	1.12E-06
2899	488194.42	3857168.98	2.05E-03	2.10E-03	1.98E-03	7.08E-07	2.14E-06	1.24E-06	1.27E-06	1.15E-06	5.24E-07	4.95E-07	2.36E-08	5.71E-07	1.26E-07	1.72E-07	2.73E-07	4.81E-08	3.26E-08	1.25E-06	6.46E-07	2.74E-07	3.22E-07	1.27E-07	6.46E-07	2.74E-07
2900	488244.42	3857168.98	2.03E-03	2.08E-03	1.96E-03	7.04E-07	2.12E-06	1.23E-06	1.26E-06	1.14E-06	5.21E-07	4.91E-07	2.35E-08	5.67E-07	1.25E-07	1.71E-07	2.71E-07	4.78E-08	3.24E-08	1.24E-06	6.41E-07	2.72E-07	3.20E-07	1.26E-07	6.41E-07	2.72E-07
2901	488294.42	3857168.98	2.01E-03	2.06E-03	1.94E-03	6.96E-07	2.10E-06	1.22E-06	1.25E-06	1.13E-06	5.16E-07	4.86E-07	2.33E-08	5.62E-07	1.24E-07	1.69E-07	2.69E-07	4.73E-08	3.21E-08	1.23E-06	6.35E-07	2.69E-07	3.17E-07	1.24E-07	6.35E-07	2.69E-07
2902	488244.42	3857218.98	2.09E-03	2.14E-03	2.01E-03	7.22E-07	2.18E-06	1.26E-06	1.29E-06	1.17E-06	5.35E-07	5.04E-07	2.41E-08	5.82E-07	1.28E-07	1.75E-07	2.78E-07	4.91E-08	3.33E-08	1.27E-06	6.58E-07	2.79E-07	3.29E-07	1.29E-07	6.58E-07	2.79E-07
2903	488294.42	3857218.98	2.07E-03	2.12E-03	2.00E-03	7.15E-07	2.16E-06	1.25E-06	1.28E-06	1.16E-06	5.30E-07	5.00E-07	2.39E-08	5.77E-07	1.27E-07	1.74E-07	2.76E-07	4.86E-08	3.30E-08	1.26E-06	6.52E-07	2.77E-07	3.26E-07	1.28E-07	6.52E-07	2.77E-07
2904	488294.42	3857268.98	2.13E-03	2.18E-03	2.06E-03	7.37E-07	2.23E-06	1.29E-06	1.32E-06	1.20E-06	5.46E-07	5.15E-07	2.46E-08	5.95E-07	1.31E-07	1.79E-07	2.84E-07	5.01E-08	3.40E-08	1.30E-06	6.72E-07	2.85E-07	3.35E-07	1.32E-07	6.72E-07	2.85E-07
2905	488139.13	3857111.68	2.01E-03	2.06E-03	1.94E-03	6.95E-07	2.10E-06	1.21E-06	1.24E-06	1.13E-06	5.15E-07	4.85E-07	2.32E-08	5.60E-07	1.24E-07	1.69E-07	2.68E-07	4.72E-08	3.20E-08	1.22E-06	6.34E-07	2.69E-07	3.16E-07	1.24E-07	6.34E-07	2.69E-07
2906	488189.13	3857111.68	2.00E-03	2.05E-03	1.93E-03	6.91E-07	2.09E-06	1.21E-06	1.24E-06	1.12E-06	5.12E-07	4.83E-07	2.31E-08	5.58E-07	1.23E-07	1.68E-07	2.67E-07	4.70E-08	3.18E-08	1.22E-06	6.30E-07	2.67E-07	3.15E-07	1.24E-07	6.30E-07	2.67E-07
2907	488189.13	3857161.68	2.04E-03	2.09E-03	1.97E-03	7.07E-07	2.13E-06	1.24E-06	1.26E-06	1.15E-06	5.23E-07	4.94E-07	2.36E-08	5.70E-07	1.26E-07	1.72E-07	2.72E-07	4.80E-08	3.26E-08	1.24E-06	6.44E-07	2.73E-07	3.22E-07	1.26E-07	6.44E-07	2.73E-07
2908	487951.04	3856961.26	1.94E-03	1.99E-03	1.87E-03	6.72E-07	2.03E-06	1.17E-06	1.20E-06	1.09E-06	4.97E-07	4.69E-07	2.24E-08	5.42E-07	1.20E-07	1.63E-07	2.59E-07	4.57E-08	3.10E-08	1.18E-06	6.13E-07	2.60E-07	3.06E-07	1.20E-07	6.13E-07	2.60E-07
2909	488001.04	3856961.26	1.92E-03	1.97E-03	1.86E-03	6.65E-07	2.01E-06	1.16E-06	1.19E-06	1.08E-06	4.93E-07	4.65E-07	2.22E-08	5.37E-07	1.18E-07	1.62E-07	2.56E-07	4.52E-08	3.06E-08	1.17E-06	6.06E-07	2.57E-07	3.03E-07	1.19E-07	6.06E-07	2.57E-07
2910	488051.04	3856961.26	1.90E-03	1.94E-03	1.83E-03	6.56E-07	1.98E-06	1.15E-06	1.17E-06	1.06E-06	4.86E-07	4.58E-07	2.19E-08	5.29E-07	1.17E-07	1.59E-07	2.53E-07	4.46E-08	3.02E-08	1.15E-06	5.98E-07	2.54E-07	2.99E-07	1.17E-07	5.98E-07	2.54E-07
2911	488101.04	3856961.26	1.89E-03	1.93E-03	1.82E-03	6.53E-07	1.97E-06	1.14E-06	1.17E-06	1.06E-06	4.84E-07	4.56E-07	2.18E-08	5.27E-07	1.16E-07	1.59E-07	2.52E-07	4.44E-08	3.01E-08	1.15E-06	5.96E-07	2.53E-07	2.97E-07	1.17E-07	5.96E-07	2.53E-07
2912	487951.04	3857011.26	2.00E-03	2.05E-03	1.93E-03	6.91E-07	2.09E-06	1.21E-06	1.24E-06	1.12E-06	5.12E-07	4.83E-07	2.31E-08	5.58E-07	1.23E-07	1.68E-07	2.67E-07	4.70E-08	3.18E-08	1.22E-06	6.30E-07	2.67E-07	3.15E-07	1.24E-07	6.30E-07	2.67E-07
2913	488001.04	3857011.26	1.97E-03	2.01E-03	1.90E-03	6.81E-07	2.05E-06	1.19E-06	1.22E-06	1.10E-06	5.04E-07	4.75E-07	2.27E-08	5.49E-07	1.21E-07	1.65E-07	2.62E-07	4.62E-08	3.14E-08	1.20E-06	6.20E-07	2.63E-07	3.10E-07	1.22E-07	6.20E-07	2.63E-07
2914	488051.04	3857011.26	1.94E-03	1.99E-03	1.87E-03	6.71E-07	2.03E-06	1.17E-06	1.20E-06	1.09E-06	4.97E-07	4.69E-07	2.24E-08	5.41E-07	1.19E-07	1.63E-07	2.59E-07	4.56E-08	3.09E-08	1.18E-06	6.12E-07	2.60E-07	3.06E-07	1.20E-07	6.12E-07	2.60E-07
2915	488101.04	3857011.26	1.93E-03	1.98E-03	1.87E-03	6.68E-07	2.02E-06	1.17E-06	1.20E-06	1.08E-06	4.95E-07	4.67E-07	2.23E-08	5.39E-07	1.19E-07	1.62E-07	2.58E-07	4.54E-08	3.08E-08	1.18E-06	6.09E-07	2.59E-07	3.04E-07	1.19E-07	6.09E-07	2.59E-07
2916	488001.04	3857061.26	2.02E-03	2.07E-03	1.95E-03	6.99E-07	2.11E-06	1.22E-06	1.25E-06	1.13E-06	5.18E-07	4.88E-07	2.33E-08	5.64E-07	1.24E-07	1.70E-07	2.69E-07	4.75E-08	3.22E-08	1.23E-06	6.37E-07	2.70E-07	3.18E-07	1.25E-07	6.37E-07	2.70E-07
2917	488051.04	3857061.26	2.00E-03	2.05E-03	1.93E-03	6.91E-07	2.09E-06	1.21E-06	1.24E-06	1.12E-06	5.12E-07	4.83E-07	2.31E-08	5.58E-07	1.23E-07	1.68E-07	2.67E-07	4.70E-08	3.18E-08	1.22E-06	6.30E-07	2.67E-07	3.15E-07	1.24E-07	6.30E-07	2.67E-07
2918	488101.04	3857061.26	1.98E-03	2.03E-03	1.91E-03	6.85E-07	2.07E-06	1.20E-06	1.23E-06	1.11E-06	5.07E-07	4.79E-07	2.29E-08	5.53E-07	1.22E-07	1.67E-07	2.64E-07	4.66E-08	3.16E-08	1.21E-06	6.25E-07	2.65E-07	3.12E-07	1.22E-07	6.25E-07	2.65E-07
2919	487638.98	3856673.79	1.80E-03	1.84E-03	1.74E-03	6.22E-07	1.88E-06	1.09E-06	1.11E-06	1.01E-06	4.60E-07	4.34E-07	2.08E-08	5.02E-07	1.11E-07	1.51E-07	2.40E-07	4.23E-08	2.86E-08	1.09E-06	5.67E-07	2.41E-07	2.83E-07	1.11E-07	5.67E-07	2.41E-07

2920	487688.98	3856673.79	1.78E-03	1.82E-03	1.72E-03	6.15E-07	1.86E-06	1.08E-06	1.10E-06	9.98E-07	4.55E-07	4.30E-07	2.05E-08	4.96E-07	1.09E-07	1.50E-07	2.37E-07	4.18E-08	2.83E-08	1.08E-06	5.61E-07	2.38E-07	2.80E-07	1.10E-07	5.61E-07	2.38E-07
2921	487638.98	3856723.79	1.84E-03	1.89E-03	1.78E-03	6.38E-07	1.93E-06	1.12E-06	1.14E-06	1.04E-06	4.73E-07	4.46E-07	2.13E-08	5.15E-07	1.14E-07	1.55E-07	2.46E-07	4.34E-08	2.94E-08	1.12E-06	5.82E-07	2.47E-07	2.90E-07	1.14E-07	5.82E-07	2.47E-07
2922	487688.98	3856723.79	1.82E-03	1.87E-03	1.76E-03	6.31E-07	1.91E-06	1.10E-06	1.13E-06	1.02E-06	4.67E-07	4.41E-07	2.11E-08	5.09E-07	1.12E-07	1.53E-07	2.43E-07	4.29E-08	2.91E-08	1.11E-06	5.75E-07	2.44E-07	2.87E-07	1.13E-07	5.75E-07	2.44E-07
2923	486324.61	3855740.57	1.60E-03	1.63E-03	1.54E-03	5.52E-07	1.67E-06	9.65E-07	9.89E-07	8.96E-07	4.09E-07	3.86E-07	1.84E-08	4.45E-07	9.83E-08	1.34E-07	2.13E-07	3.75E-08	2.54E-08	9.72E-07	5.04E-07	2.14E-07	2.51E-07	9.87E-08	5.04E-07	2.14E-07
2924	486374.61	3855740.57	1.55E-03	1.58E-03	1.49E-03	5.35E-07	1.62E-06	9.35E-07	9.58E-07	8.68E-07	3.96E-07	3.74E-07	1.79E-08	4.31E-07	9.52E-08	1.30E-07	2.06E-07	3.64E-08	2.46E-08	9.42E-07	4.88E-07	2.07E-07	2.43E-07	9.56E-08	4.88E-07	2.07E-07
2925	486424.61	3855740.57	1.52E-03	1.55E-03	1.46E-03	5.25E-07	1.58E-06	9.17E-07	9.39E-07	8.52E-07	3.89E-07	3.66E-07	1.75E-08	4.23E-07	9.34E-08	1.28E-07	2.02E-07	3.57E-08	2.42E-08	9.24E-07	4.78E-07	2.03E-07	2.39E-07	9.38E-08	4.78E-07	2.03E-07
2926	486324.61	3855790.57	1.63E-03	1.67E-03	1.58E-03	5.65E-07	1.71E-06	9.88E-07	1.01E-06	9.17E-07	4.18E-07	3.95E-07	1.89E-08	4.56E-07	1.01E-07	1.37E-07	2.18E-07	3.84E-08	2.60E-08	9.95E-07	5.15E-07	2.19E-07	2.57E-07	1.01E-07	5.15E-07	2.19E-07
2927	486374.61	3855790.57	1.58E-03	1.62E-03	1.53E-03	5.48E-07	1.66E-06	9.58E-07	9.81E-07	8.90E-07	4.06E-07	3.83E-07	1.83E-08	4.42E-07	9.76E-08	1.33E-07	2.11E-07	3.73E-08	2.53E-08	9.65E-07	5.00E-07	2.12E-07	2.49E-07	9.80E-08	5.00E-07	2.12E-07
2928	486424.61	3855790.57	1.56E-03	1.60E-03	1.51E-03	5.40E-07	1.63E-06	9.44E-07	9.67E-07	8.76E-07	4.00E-07	3.77E-07	1.80E-08	4.36E-07	9.61E-08	1.31E-07	2.08E-07	3.67E-08	2.49E-08	9.51E-07	4.92E-07	2.09E-07	2.46E-07	9.65E-08	4.92E-07	2.09E-07
2929	486324.61	3855840.57	1.67E-03	1.71E-03	1.61E-03	5.78E-07	1.75E-06	1.01E-06	1.04E-06	9.39E-07	4.28E-07	4.04E-07	1.93E-08	4.66E-07	1.03E-07	1.41E-07	2.23E-07	3.93E-08	2.66E-08	1.02E-06	5.27E-07	2.24E-07	2.63E-07	1.03E-07	5.27E-07	2.24E-07
2930	486374.61	3855840.57	1.64E-03	1.68E-03	1.58E-03	5.68E-07	1.71E-06	9.92E-07	1.02E-06	9.21E-07	4.20E-07	3.96E-07	1.90E-08	4.58E-07	1.01E-07	1.38E-07	2.19E-07	3.86E-08	2.62E-08	9.99E-07	5.18E-07	2.20E-07	2.58E-07	1.01E-07	5.18E-07	2.20E-07
2931	486424.61	3855840.57	1.61E-03	1.64E-03	1.55E-03	5.56E-07	1.68E-06	9.72E-07	9.95E-07	9.02E-07	4.12E-07	3.88E-07	1.86E-08	4.48E-07	9.89E-08	1.35E-07	2.14E-07	3.78E-08	2.56E-08	9.79E-07	5.07E-07	2.15E-07	2.53E-07	9.94E-08	5.07E-07	2.15E-07
2932	486324.61	3855890.57	1.73E-03	1.77E-03	1.67E-03	5.99E-07	1.81E-06	1.05E-06	1.07E-06	9.73E-07	4.44E-07	4.19E-07	2.00E-08	4.83E-07	1.07E-07	1.46E-07	2.31E-07	4.07E-08	2.76E-08	1.06E-06	5.46E-07	2.32E-07	2.73E-07	1.07E-07	5.46E-07	2.32E-07
2933	486374.61	3855890.57	1.70E-03	1.74E-03	1.64E-03	5.87E-07	1.77E-06	1.03E-06	1.05E-06	9.53E-07	4.35E-07	4.10E-07	1.96E-08	4.73E-07	1.04E-07	1.43E-07	2.26E-07	3.99E-08	2.70E-08	1.03E-06	5.35E-07	2.27E-07	2.67E-07	1.05E-07	5.35E-07	2.27E-07
2934	486424.61	3855890.57	1.66E-03	1.70E-03	1.60E-03	5.73E-07	1.73E-06	1.00E-06	1.03E-06	9.30E-07	4.24E-07	4.00E-07	1.91E-08	4.62E-07	1.02E-07	1.39E-07	2.21E-07	3.90E-08	2.64E-08	1.01E-06	5.23E-07	2.22E-07	2.61E-07	1.02E-07	5.23E-07	2.22E-07
2935	488735.69	3858285.64	4.83E-03	4.94E-03	4.66E-03	1.67E-06	5.04E-06	2.92E-06	2.99E-06	2.71E-06	1.24E-06	1.17E-06	5.58E-08	1.35E-06	2.97E-07	4.06E-07	6.44E-07	1.14E-07	7.70E-08	2.94E-06	1.52E-06	6.46E-07	7.60E-07	2.99E-07	1.52E-06	6.46E-07
2936	488765.69	3858285.64	4.71E-03	4.82E-03	4.55E-03	1.63E-06	4.92E-06	2.85E-06	2.92E-06	2.64E-06	1.21E-06	1.14E-06	5.44E-08	1.31E-06	2.90E-07	3.96E-07	6.28E-07	1.11E-07	7.51E-08	2.87E-06	1.49E-06	6.30E-07	7.42E-07	2.91E-07	1.49E-06	6.30E-07
2937	488735.69	3858315.64	5.07E-03	5.19E-03	4.89E-03	1.75E-06	5.29E-06	3.06E-06	3.14E-06	2.85E-06	1.30E-06	1.22E-06	5.86E-08	1.41E-06	3.12E-07	4.26E-07	6.76E-07	1.19E-07	8.08E-08	3.09E-06	1.60E-06	6.78E-07	7.98E-07	3.13E-07	1.60E-06	6.78E-07
2938	488765.69	3858315.64	4.93E-03	5.05E-03	4.77E-03	1.71E-06	5.16E-06	2.98E-06	3.06E-06	2.77E-06	1.26E-06	1.19E-06	5.70E-08	1.38E-06	3.04E-07	4.15E-07	6.58E-07	1.16E-07	7.87E-08	3.01E-06	1.56E-06	6.61E-07	7.77E-07	3.05E-07	1.56E-06	6.61E-07
2939	478676.63	3849871.93	5.76E-03	5.90E-03	5.56E-03	1.99E-06	6.02E-06	3.48E-06	3.57E-06	3.23E-06	1.48E-06	1.39E-06	6.66E-08	1.61E-06	3.55E-07	4.84E-07	7.68E-07	1.35E-07	9.18E-08	3.51E-06	1.82E-06	7.71E-07	9.07E-07	3.56E-07	1.82E-06	7.71E-07
2940	479326.63	3849871.93	3.45E-03	3.53E-03	3.33E-03	1.19E-06	3.60E-06	2.09E-06	2.14E-06	1.94E-06	8.84E-07	8.34E-07	3.99E-08	9.63E-07	2.12E-07	2.90E-07	4.60E-07	8.11E-08	5.50E-08	2.10E-06	1.09E-06	4.62E-07	5.43E-07	2.13E-07	1.09E-06	4.62E-07
2941	479376.63	3849871.93	3.34E-03	3.42E-03	3.23E-03	1.16E-06	3.49E-06	2.02E-06	2.07E-06	1.88E-06	8.57E-07	8.08E-07	3.86E-08	9.33E-07	2.06E-07	2.81E-07	4.46E-07	7.86E-08	5.33E-08	2.04E-06	1.06E-06	4.48E-07	5.27E-07	2.07E-07	1.06E-06	4.48E-07
2942	479426.63	3849871.93	3.26E-03	3.34E-03	3.15E-03	1.13E-06	3.41E-06	1.97E-06	2.02E-06	1.83E-06	8.36E-07	7.89E-07	3.77E-08	9.11E-07	2.01E-07	2.74E-07	4.35E-07	7.67E-08	5.20E-08	1.99E-06	1.03E-06	4.37E-07	5.14E-07	2.02E-07	1.03E-06	4.37E-07
2943	478726.63	3849921.93	6.06E-03	6.21E-03	5.86E-03	2.10E-06	6.34E-06	3.67E-06	3.76E-06	3.41E-06	1.55E-06	1.47E-06	7.01E-08	1.69E-06	3.74E-07	5.10E-07	8.09E-07	1.43E-07	9.67E-08	3.70E-06	1.91E-06	8.12E-07	9.55E-07	3.75E-07	1.91E-06	8.12E-07
2944	478776.63	3849921.93	5.77E-03	5.91E-03	5.58E-03	2.00E-06	6.03E-06	3.49E-06	3.58E-06	3.24E-06	1.48E-06	1.40E-06	6.67E-08	1.61E-06	3.56E-07	4.86E-07	7.70E-07	1.36E-07	9.21E-08	3.52E-06	1.82E-06	7.73E-07	9.09E-07	3.57E-07	1.82E-06	7.73E-07
2945	478826.63	3849921.93	5.50E-03	5.63E-03	5.31E-03	1.90E-06	5.75E-06	3.33E-06	3.41E-06	3.09E-06	1.41E-06	1.33E-06	6.36E-08	1.54E-06	3.39E-07	4.63E-07	7.34E-07	1.29E-07	8.77E-08	3.35E-06	1.74E-06	7.37E-07	8.67E-07	3.40E-07	1.74E-06	7.37E-07
2946	478976.63	3849921.93	4.82E-03	4.94E-03	4.66E-03	1.67E-06	5.04E-06	2.92E-06	2.99E-06	2.71E-06	1.24E-06	1.17E-06	5.57E-08	1.35E-06	2.97E-07	4.06E-07	6.44E-07	1.13E-07	7.69E-08	2.94E-06	1.52E-06	6.46E-07	7.60E-07	2.98E-07	1.52E-06	6.46E-07
2947	479026.63	3849921.93	4.65E-03	4.76E-03	4.49E-03	1.61E-06	4.86E-06	2.81E-06	2.88E-06	2.61E-06	1.19E-06	1.12E-06	5.38E-08	1.30E-06	2.87E-07	3.91E-07	6.21E-07	1.09E-07	7.42E-08	2.84E-06	1.47E-06	6.23E-07	7.33E-07	2.88E-07	1.47E-06	6.23E-07
2948	479076.63	3849921.93	4.48E-03	4.59E-03	4.33E-03	1.55E-06	4.68E-06	2.71E-06	2.78E-06	2.52E-06	1.15E-06	1.08E-06	5.18E-08	1.25E-06	2.76E-07	3.77E-07	5.98E-07	1.05E-07	7.14E-08	2.73E-06	1.41E-06	6.00E-07	7.06E-07	2.77E-07	1.41E-06	6.00E-07
2949	479126.63	3849921.93	4.31E-03	4.42E-03	4.16E-03	1.49E-06	4.51E-06	2.61E-06	2.67E-06	2.42E-06	1.11E-06	1.04E-06	4.98E-08	1.20E-06	2.66E-07	3.63E-07	5.75E-07	1.01E-07	6.88E-08	2.63E-06	1.36E-06	5.77E-07	6.79E-07	2.67E-07	1.36E-06	5.77E-07
2950	479176.63	3849921.93	4.16E-03	4.27E-03	4.02E-03	1.44E-06	4.35E-06	2.52E-06	2.58E-06	2.34E-06	1.07E-06	1.01E-06	4.81E-08	1.16E-06	2.57E-07	3.50E-07	5.56E-07	9.80E-08	6.64E-08	2.54E-06	1.31E-06	5.58E-07	6.56E-07	2.58E-07	1.31E-06	5.58E-07
2951	479226.63	3849921.93	3.99E-03	4.09E-03	3.86E-03	1.38E-06	4.17E-06	2.42E-06	2.48E-06	2.24E-06	1.02E-06	9.66E-07	4.62E-08	1.12E-06	2.46E-07	3.36E-07	5.33E-07	9.39E-08	6.37E-08	2.43E-06	1.26E-06	5.35E-07	6.29E-07	2.47E-07	1.26E-06	5.35E-07
2952	479276.63	3849921.93	3.79E-03	3.88E-03	3.66E-03	1.31E-06	3.96E-06	2.29E-06	2.35E-06	2.13E-06	9.71E-07	9.16E-07	4.38E-08	1.06E-06	2.33E-07	3.19E-07	5.05E-07	8.91E-08	6.04E-08	2.31E-06	1.20E-06	5.07E-07	5.97E-07	2.34E-07	1.20E-06	5.07E-07
2953	479326.63	3849921.93	3.74E-03	3.83E-03	3.62E-03	1.30E-06	3.91E-06	2.26E-06	2.32E-06	2.10E-06	9.59E-07	9.05E-07	4.33E-08	1.05E-06	2.31E-07	3.15E-07	5.00E-07	8.80E-08	5.97E-08	2.28E-06	1.18E-06	5.01E-07	5.90E-07	2.32E-07	1.18E-06	5.01E-07
2954	479376.63	3849921.93	3.56E-03	3.64E-03	3.44E-03	1.23E-06	3.72E-06	2.15E-06	2.20E-06	2.00E-06	9.12E-07	8.60E-07	4.11E-08	9.93E-07	2.19E-07	2.99E-07	4.75E-07	8.37E-08	5.67E-08	2.17E-06	1.12E-06	4.76E-07	5.60E-07	2.20E-07	1.12E-06	4.76E-07
2955	479426.63	3849921.93	3.50E-03	3.58E-03	3.38E-03	1.21E-06	3.65E-06	2.12E-06	2.17E-06	1.96E-06	8.96E-07	8.45E-07	4.04E-08	9.76E-07	2.15E-07	2.94E-07	4.67E-07	8.22E-08	5.58E-08	2.13E-06	1.10E-06	4.68E-07	5.51E-07	2.16E-07	1.10E-06	4.68E-07
2956	478726.63	3849971.93	6.76E-03	6.92E-03	6.53E-03	2.34E-06	7.07E-06	4.09E-06	4.19E-06	3.80E-06	1.73E-06	1.63E-06	7.81E-08	1.89E-06	4.16E-07	5.69E-07	9.02E-07	1.59E-07	1.08E-07	4.12E-06	2.13E-06	9.05E-07	1.06E-06	4.18E-07	2.13E-06	9.05E-07
2957	478776.63	3849971.93	6.40E-03	6.55E-03	6.18E-03	2.21E-06	6.69E-06	3.87E-06	3.96E-06	3.59E-06	1.64E-06	1.55E-06	7.39E-08	1.79E-06	3.94E-07	5.38E-07	8.54E-07	1.50E-07	1.02E-07	3.90E-06	2.02E-06	8.57E-07	1.01E-06	3.96E-07	2.02E-06	8.57E-07
2958	478826.63	3849971.93	6.07E-03	6.21E-03	5.86E-03	2.10E-06	6.34E-06	3.67E-06	3.76E-06	3.41E-06	1.55E-06	1.47E-06	7.01E-08	1.69E-06	3.74E-07	5.10E-07	8.10E-07	1.43E-07	9.67E-08	3.70E-06	1.91E-06	8.12E-07	9.56E-07	3.75E-07	1.91E-06	8.12E-07
2959	478976.63	3849971.93	5.28E-03	5.41E-03	5.10E-03	1.83E-06	5.52E-06	3.19E-06	3.27E-06	2.96E-06	1.35E-06	1.28E-06	6.10E-08	1.47E-06	3.25E-07	4.44E-07	7.04E-07	1.24E-07	8.42E-08	3.22E-06	1.67E-06	7.07E-07	8.31E-07	3.27E-07	1.67E-06	7.07E-07
2960	479026.63	3849971.93	5.05E-03	5.17E-03	4.88E-03	1.75E-06	5.28E-06	3.05E-06	3.13E-06	2.84E-06	1.29E-06	1.22E-06	5.83E-08	1.41E-06	3.11E-07	4.25E-07	6.74E-07	1.19E-07	8.05E-08	3.08E-06	1.59E-06	6.76E-07	7.95E-07	3.12E-07	1.59E-06	6.76E-07
2961	479076.63	3849971.93	4.84E-03	4.96E-03	4.67E-03	1.67E-06	5.06E-06	2.93E-06	3.00E-06	2.72E-06	1.24E-06	1.17E-06	5.59E-08	1.35E-06	2.98E-07	4.07E-07	6.46E-07	1.14E-07	7.72E-08	2.95E-06	1.53E-06	6.48E-07	7.62E-07	2.99E-07	1.53E-06	6.48E-07
2962	479126.63	3849971.93	4.65E-03	4.76E-03	4.49E-03	1.61E-06	4.86E-06	2.81E-06	2.88E-06	2.61E-06	1.19E-06	1.12E-06	5.37E-08	1.30E-06	2.86E-07	3.91E-07	6.21E-07	1.09E-07	7.41E-08	2.83E-06	1.47E-06	6.23E-07	7.32E-07	2.88E-07	1.47E-06	6.23E-07
2963	479176.63	3849971.93	4.48E-03	4.59E-03	4.33E-03	1.55E-06	4.68E-06	2.71E-06	2.78E-06	2.52E-06	1.15E-06	1.08E-06	5.18E-08	1.25E-06	2.76E-07	3.77E-07	5.98E-07	1.05E-07	7.14E-08	2.73E-06	1.41E-06	6.00E-07	7.05E-07	2.77E-07	1.41E-06	6.00E-07
2964	479226.63	3849971.93	4.21E-03	4.31E-03	4.07E-03	1.46E-06	4.40E-06	2.55E-06	2.61E-06	2.37E-06	1.08E-06	1.02E-06	4.87E-08	1.18E-06	2.60E-07	3.54E-07	5.62E-07	9.91E-08	6.72E-08	2.57E-06	1.33E-06	5.64E-07	6.64E-07	2.61E-07	1.33E-06	5.64E-07
2965	479276.63	3849971.93	4.13E-03	4.23E-03	3.99E-03	1.43E-06	4.31E-06	2.50E-06	2.56E-06	2.32E-06	1.06E-06	9.98E-07	4.77E-08	1.15E-06	2.54E-07	3.47E-07	5.51E-07	9.71E-08	6.58E-08	2.52E-06	1.30E-06	5.53E-07	6.50E-07	2.55E-07	1.30E-06	5.53E-07
2966	479326.63	3849971.93	4.03E-03	4.13E-03	3.89E-03	1.39E-06	4.21E-06	2.44E-06	2.50E-06	2.26E-06	1.03E-06	9.74E-07	4.66E-08	1.13E-06	2.48E-07	3.39E-07	5.38E-07	9.48E-08	6.43E-08	2.46E-06	1.27E-06	5.40E-07	6.35E-07	2.49E-07	1.27E-06	5.40E-07
2967	479376.63	3849971.93	3.83E-03	3.93E-03	3.70E-03	1.33E-06	4.01E-06	2.32E-06	2.38E-06	2.15E-06	9.82E-07	9.27E-07	4.43E-08	1.07E-06	2.36E-07	3.22E-07	5.12E-07	9.02E-08	6.11E-08	2.34E-06	1.21E-06	5.13E-07	6.04E-07	2.37E-07	1.21E-06	5.13E-07
2968	479426.63	3849971.93	3.73E-03	3.82E-03	3.60E-03	1.29E-06	3.90E-06	2.25E-06	2.31E-06	2.09E-06	9.55E-07	9.01E-07	4.31E-08	1.04E-06	2.30E-07	3.14E-07	4.97E-07	8.77E-08	5.94E-08	2.27E-06	1.18E-06	4.99E-07	5.87E-07	2.31E-07	1.18E-06	4.99E-07
2969	478726.63	3850021.93	7.64E-03	7.83E-03	7.38E-03	2.65E-06	7.99E-06	4.62E-06	4.74E-06	4.29E-06	1.96E-06	1.85E-06	8.84E-08	2.13E-06	4.71E-07	6.43E-07	1.02E-06	1.80E-07	1.22E-07	4.66E-06	2.41E-06	1.02E-06	1.20E-06	4.73E-07	2.41E-06	1.02E-06
2970	478776.63	3850021.93	7.18E-03	7.35E-03	6.93E-03	2.48E-06	7.50E-06	4.34E-06	4.45E-06	4.03E-06	1.84E-06	1.74E-06	8.30E-08	2.00E-06	4.42E-07	6.04E-07	9.58E-07	1.69E-07	1.14E-07	4.37E-06	2.27E-06	9.61E-07	1.13E-06	4.44E-07	2.27E-06	9.61E-07
2971	478826.63	3850021.93	6.77E-03	6.93E-03	6.54E-03	2.34E-06	7.07E-06	4.09E-06	4.19E-06	3.80E-06	1.73E-06	1.64E-06	7.82E-08	1.89E-06	4.17E-07	5.69E-07	9.03E-07	1.59E-07	1.08E-07	4.12E-06	2.14E-06	9.06E-07	1.07E-06	4.19E-07	2.14E-06	9.06E-07
2972	478976.63	3850021.93	5.79E-03	5.93E-03	5.59E-03	2.00E-06	6.05E-06	3.50E-06	3.59E-06	3.25E-06	1.48E-06	1.40E-06	6.69E-08	1.62E-06	3.57E-07	4.87E-07	7.73E-07	1.36E-07	9.23E-08	3.53E-06	1.83E-06	7.75E-07	9.12E-07	3.58E-07	1.83E-06	7.75E-07
2973	478726.63	3850071.93	8.81E-03	9.02E-03	8.51E-03	3.05E-06	9.20E-06	5.33E-06	5.46E-06	4.95E-06	2.26E-06	2.13E-06	1.02E-07	2.46E-06	5.43E-07	7.41E-07	1.18E-06	2.07E-07	1.40E-07	5.37E-06	2.78E-06	1.18E-06	1.39E-06	5.45E-07	2.78E-06	1.18E-06
2974	478776.63	3850071.93	8.19E-03	8.39E-03	7.91E-03	2.83E-06	8.56E-06	4.95E-06	5.07E-06	4.60E-06	2.10E-06	1.98E-06	9.47E-08	2.29E-06	5.04E-07	6.89E-07	1.09E-06	1.93E-07	1.31E-07	4.99E-06	2.58E-06	1.10E-06	1.29E-06	5.07E-07	2.58E-06	1.10E-06
2975	478826.63	3850071.93	7.65E-03	7.84E-03	7.39E-03	2.65E-06	8.00E-06	4.63E-06	4.74E-06	4.30E-06	1.96E-06	1.85E-06	8.85E-08	2.14E-06	4.72E-07	6.44E-07	1.02E-06	1.80E-07	1.22E-07	4.66E-06	2.42E-06	1.02E-06	1.21E-06	4.74E-07	2.42E-06	1.02E-06
2976	478876.63	3850071.93	7.19E-03	7.36E-03	6.95E-03	2.49E-06	7.51E-06	4.35E-06	4.46E-06	4.04E-06	1.84E-06	1.74E-06	8.31E-08	2.01E-06	4.43E-07	6.05E-07	9.60E-07	1.69E-07	1.15E-07	4.38E-06	2.27E-06	9.63E-07	1.13E-06	4.45E-07	2.27E-06	9.63E-07
2977	478976.63	3850071.93	6.42E-03	6.57E-03	6.20E-03	2.22E-06	6.71E-06	3.88E-06	3.98E-06	3.60E-06	1.64E-06	1.55E-06	7.42E-08	1.79E-06	3.95E-07	5.40E-07	8.56E-07	1.51E-07	1.02E-07	3.91E-06	2.02E-06	8.59E-07	1.01E-06	3.97E-07	2.02E-06	8.59E-07
2978	478726.63	3850121.93	1.04E-02	1.07E-02	1.01E-02	3.60E-06	1.09E-05	6.30E-06	6.45E-06	5.85E-06	2.67E-06	2.52E-06	1.20E-07	2.91E-06	6.41E-07	8.76E-07	1.39E-06	2.45E-07	1.66E-07	6.34E-06	3.29E-06	1.39E-06	1.64E-06	6.44E-07	3.29E-06	1.39E-06
2979	478776.63	3850121.93	9.55E-03	9.78E-03	9.23E-03	3.31E-06	9.98E-06	5.78E-06	5.92E-06	5.37E-06	2.45E-06	2.31E-06	1.10E-07	2.67E-06	5.88E-07	8.04E-07	1.27E-06	2.25E-07	1.52E-07	5.82E-06	3.01E-06	1.28E-06	1.50E-06	5.91E-07	3.01E-06	1.28E-06
2980	478826.63	3850121.93	8.83E-03	9.04E-03	8.53E-03	3.06E-06	9.23E-06	5.34E-06	5.47E-06	4.96E-06	2.26E-06	2.13E-06	1.02E-07	2.46E-06	5.44E-07	7.43E-07	1.18E-06	2.08E-07	1.41E-07	5.38E-06	2.79E-06	1.18E-06	1.39E-06	5.46E-07	2.79E-06	1.18E-06
2981	478876.63	3850121.93	8.21E-03	8.41E-03	7.93E-03	2.84E-06	8.58E-06	4.97E-06	5.09E-06	4.61E-06	2.10E-06	1.98E-06	9.49E-08	2.29E-06	5.06E-07	6.91E-07	1.10E-06	1.93E-07	1.31E-07	5.00E-06	2.59E-06	1.10E-06	1.29E-06	5.08E-07	2.59E-06	1.10E-06
2982	478976.63	3850121.93	7.21E-03	7.38E-03	6.96E-03	2.49E-06	7.53E-06	4.36E-06	4.47E-06	4.05E-06	1.85E-06	1.74E-06	8.33E-08	2.01E-06	4.44E-07	6.06E-07	9.62E-07	1.70E-07	1.15E-07	4.39E-06	2.27E-06	9.65E-07	1.14E-06	4.46E-07	2.27E-06	9.65E-07
2983	479026.63	3850121.93	6.80E-03	6.96E-03	6.57E-03	2.35E-06	7.10E-06	4.11E-06	4.21E-06	3.82E-06	1.74E-06	1.64E-06	7.86E-08	1.90E-06	4.19E-07	5.72E-07	9.07E-07	1.60E-07	1.08E-07	4.14E-06	2.15E-06	9.10E-07	1.07E-06	4.21E-07	2.15E-06	9.10E-07
2984	479076.63	3850121.93	6.42E-03	6.58E-03	6.21E-03	2.22E-06	6.71E-06	3.89E-06	3.98E-06	3.61E-06	1.65E-06	1.55E-06	7.43E-08	1.79E-06	3.96E-07	5.41E-07	8.58E-07	1.51E-07	1.02E-07	3.92E-06	2.03E-06	8.60E-07	1.01E-06	3.98E-07	2.03E-06	8.60E-07
2985	479126.63	3850121.93	6.09E-03	6.24E-03	5.89E-03	2.11E-06	6.37E-06	3.69E-06	3.78E-06	3.42E-06	1.56E-06	1.47E-06	7.04E-08	1.70E-06	3.75E-07	5.13E-07	8.13E-07	1.43E-07	9.72E-08	3.71E-06	1.92E-06	8.16E-07	9.60E-07	3.77E-07	1.92E-06	8.16E-07
2986	478776.63	3850171.93	1.15E-02	1.18E-02	1.11E-02	3.98E-06	1.20E-05	6.95E-06	7.12E-06	6.45E-06	2.94E-06	2.78E-06	1.33E-07	3.21E-06	7.08E-07	9.66E-07	1.53E-06	2.70E-07	1.83E-07	7.00E-06	3.62E-06	1.54E-06	1.81E-06	7.11E-07	3.62E-06	1.54E-06
2987	478826.63	3850171.93	1.04E-02	1.07E-02	1.01E-02	3.62E-06	1.09E-05	6.32E-06	6.47E-06	5.87E-06	2.68E-06	2.53E-06	1.21E-07	2.92E-06	6.44E-07	8.79E-07	1.39E-06	2.46E-07	1.67E-07	6.37E-06	3.30E-06	1.40E-06	1.65E-06	6.47E-07	3.30E-06	1.40E-06
2988	478876.63	3850171.93	9.58E-03	9.81E-03	9.26E-03	3.32E-06	1.00E-05	5.80E-06	5.94E-06	5.38E-06	2.46E-06	2.32E-06	1.11E-07	2.68E-06	5.90E-07	8.06E-07	1.28E-06	2.25E-07	1.53E-07	5.84E-06	3.02E-06	1.28E-06	1.51E-06	5.93E-07	3.02E-06	1.28E-06
2989	478976.63	3850171.93	8.23E-03	8.43E-03	7.95E-03	2.85E-06	8.60E-06	4.98E-06	5.10E-06	4.62E-06	2.11E-06	1.99E-06	9.51E-08	2.30E-06	5.07E-07	6.93E-07	1.10E-06	1.94E-07	1.31E-07	5.02E-06	2.60E-06	1.10E-06	1.30E-06	5.09E-07	2.60E-06	1.10E-06
2990	479026.63	3850171.93	7.70E-03	7.88E-03	7.43E-03	2.66E-06	8.04E-06	4.66E-06	4.77E-06	4.32E-06	1.97E-06	1.86E-06	8.90E-08	2.15E-06	4.74E-07	6.47E-07	1.03E-06	1.81E-07	1.23E-07	4.69E-06	2.43E-06	1.03E-06	1.21E-06	4.76E-07	2.43E-06	1.03E-06
2991	479076.63	3850171.93	7.23E-03	7.40E-03	6.98E-03	2.50E-06	7.55E-06	4.37E-06	4.48E-06	4.06E-06	1.85E-06	1.75E-06	8.35E-08	2.02E-06	4.45E-07	6.08E-07	9.65E-07	1.70E-07	1.15E-07	4.40E-06	2.28E-06	9.68E-07	1.14E-06	4.47E-07	2.28E-06	9.68E-07
2992	479126.63	3850171.93	6.81E-03	6.98E-03	6.58E-03	2.36E-06	7.12E-06	4.12E-06	4.22E-06	3.83E-06	1.75E-06	1.65E-06	7.87E-08	1.90E-06	4.20E-07	5.73E-07	9.09E-07	1.60E-07	1.09E-07	4.15E-06	2.15E-06	9.12E-07	1.07E-06	4.22E-07	2.15E-06	9.12E-07
2993	479176.63	3850171.93	6.45E-03	6.60E-03	6.23E-03	2.23E-06	6.74E-06	3.90E-06	4.00E-06	3.62E-06	1.65E-06	1.56E-06	7.45E-08	1.80E-06	3.97E-07	5.42E-07	8.60E-07	1.52E-07	1.03E-07	3.93E-06	2.03E-06	8.63E-07	1.02E-06	3.99E-07	2.03E-06	8.63E-07
2994	479226.63	3850171.93	6.13E-03	6.28E-03	5.92E-03	2.12E-06	6.41E-06	3.71E-06	3.80E-06	3.44E-06	1.57E-06	1.48E-06	7.09E-08	1.71E-06	3.78E-07	5.16E-07	8.18E-07	1.44E-07	9.78E-08	3.74E-06	1.93E-06	8.21E-07	9.66E-07	3.79E-07	1.93E-06	8.21E-07
2995	479276.63	3850171.93	5.84E-03	5.99E-03	5.65E-03	2.02E-06	6.11E-06	3.54E-06	3.62E-06	3.28E-06	1.50E-06	1.41E-06	6.76E-08	1.63E-06	3.60E-07	4.92E-07	7.80E-07	1.37E-07	9.32E-08	3.56E-06	1.84E-06	7.83E-07	9.21E-07	3.62E-07	1.84E-06	7.83E-07
2996	479326.63	3850171.93	5.58E-03	5.71E-03	5.39E-03	1.93E-06	5.83E-06	3.37E-06	3.46E-06	3.13E-06	1.43E-06	1.35E-06	6.45E-08	1.56E-06	3.44E-07	4.69E-07	7.44E-07	1.31E-07	8.90E-08	3.40E-06	1.76E-06	7.47E-07	8.79E-07	3.45E-07	1.76E-06	7.47E-07

2997	479376.63	3850171.93	5.32E-03	5.45E-03	5.14E-03	1.84E-06	5.56E-06	3.22E-06	3.30E-06	2.99E-06	1.36E-06	1.29E-06	6.15E-08	1.49E-06	3.28E-07	4.48E-07	7.11E-07	1.25E-07	8.49E-08	3.24E-06	1.68E-06	7.13E-07	8.39E-07	3.29E-07	1.68E-06	7.13E-07
2998	478676.63	3850221.93	1.95E-02	1.99E-02	1.88E-02	6.73E-06	2.03E-05	1.18E-05	1.21E-05	1.09E-05	4.99E-06	4.70E-06	2.25E-07	5.43E-06	1.20E-06	1.64E-06	2.60E-06	4.58E-07	3.10E-07	1.19E-05	6.14E-06	2.60E-06	3.06E-06	1.20E-06	6.14E-06	2.60E-06
2999	478726.63	3850221.93	1.66E-02	1.70E-02	1.60E-02	5.74E-06	1.73E-05	1.00E-05	1.03E-05	9.31E-06	4.25E-06	4.01E-06	1.92E-07	4.63E-06	1.02E-06	1.39E-06	2.21E-06	3.90E-07	2.64E-07	1.01E-05	5.23E-06	2.22E-06	2.61E-06	1.03E-06	5.23E-06	2.22E-06
3000	478976.63	3850221.93	9.61E-03	9.84E-03	9.28E-03	3.33E-06	1.00E-05	5.81E-06	5.96E-06	5.40E-06	2.46E-06	2.32E-06	1.11E-07	2.68E-06	5.92E-07	8.09E-07	1.28E-06	2.26E-07	1.53E-07	5.86E-06	3.03E-06	1.29E-06	1.51E-06	5.95E-07	3.03E-06	1.29E-06
3001	479026.63	3850221.93	8.88E-03	9.09E-03	8.58E-03	3.07E-06	9.28E-06	5.37E-06	5.50E-06	4.99E-06	2.28E-06	2.15E-06	1.03E-07	2.48E-06	5.47E-07	7.47E-07	1.18E-06	2.09E-07	1.42E-07	5.41E-06	2.80E-06	1.19E-06	1.40E-06	5.49E-07	2.80E-06	1.19E-06
3002	479076.63	3850221.93	8.26E-03	8.46E-03	7.98E-03	2.86E-06	8.63E-06	5.00E-06	5.12E-06	4.64E-06	2.12E-06	2.00E-06	9.54E-08	2.31E-06	5.09E-07	6.95E-07	1.10E-06	1.94E-07	1.32E-07	5.03E-06	2.61E-06	1.11E-06	1.30E-06	5.11E-07	2.61E-06	1.11E-06
3003	479126.63	3850221.93	7.72E-03	7.90E-03	7.46E-03	2.67E-06	8.07E-06	4.67E-06	4.78E-06	4.34E-06	1.98E-06	1.87E-06	8.92E-08	2.15E-06	4.75E-07	6.49E-07	1.03E-06	1.82E-07	1.23E-07	4.70E-06	2.44E-06	1.03E-06	1.22E-06	4.78E-07	2.44E-06	1.03E-06
3004	479176.63	3850221.93	7.25E-03	7.43E-03	7.00E-03	2.51E-06	7.58E-06	4.39E-06	4.49E-06	4.07E-06	1.86E-06	1.75E-06	8.38E-08	2.02E-06	4.47E-07	6.10E-07	9.68E-07	1.71E-07	1.16E-07	4.42E-06	2.29E-06	9.71E-07	1.14E-06	4.49E-07	2.29E-06	9.71E-07
3005	479226.63	3850221.93	6.84E-03	7.00E-03	6.61E-03	2.37E-06	7.15E-06	4.14E-06	4.24E-06	3.84E-06	1.75E-06	1.65E-06	7.90E-08	1.91E-06	4.21E-07	5.75E-07	9.13E-07	1.61E-07	1.09E-07	4.17E-06	2.16E-06	9.16E-07	1.08E-06	4.23E-07	2.16E-06	9.16E-07
3006	479276.63	3850221.93	6.47E-03	6.63E-03	6.25E-03	2.24E-06	6.77E-06	3.92E-06	4.01E-06	3.64E-06	1.66E-06	1.57E-06	7.48E-08	1.81E-06	3.99E-07	5.45E-07	8.64E-07	1.52E-07	1.03E-07	3.95E-06	2.04E-06	8.67E-07	1.02E-06	4.01E-07	2.04E-06	8.67E-07
3007	479326.63	3850221.93	6.15E-03	6.30E-03	5.94E-03	2.13E-06	6.43E-06	3.72E-06	3.81E-06	3.45E-06	1.58E-06	1.49E-06	7.11E-08	1.72E-06	3.79E-07	5.17E-07	8.21E-07	1.45E-07	9.81E-08	3.75E-06	1.94E-06	8.23E-07	9.69E-07	3.81E-07	1.94E-06	8.23E-07
3008	479376.63	3850221.93	5.85E-03	5.99E-03	5.65E-03	2.03E-06	6.12E-06	3.54E-06	3.63E-06	3.29E-06	1.50E-06	1.41E-06	6.76E-08	1.63E-06	3.61E-07	4.92E-07	7.81E-07	1.38E-07	9.33E-08	3.57E-06	1.85E-06	7.84E-07	9.22E-07	3.62E-07	1.85E-06	7.84E-07
3009	478676.63	3850271.93	2.98E-02	3.05E-02	2.88E-02	1.03E-05	3.12E-05	1.80E-05	1.85E-05	1.68E-05	7.64E-06	7.21E-06	3.45E-07	8.33E-06	1.84E-06	2.51E-06	3.98E-06	7.01E-07	4.76E-07	1.82E-05	9.41E-06	3.99E-06	4.70E-06	1.85E-06	9.41E-06	3.99E-06
3010	478726.63	3850271.93	2.37E-02	2.42E-02	2.29E-02	8.19E-06	2.47E-05	1.43E-05	1.47E-05	1.33E-05	6.06E-06	5.72E-06	2.73E-07	6.61E-06	1.46E-06	1.99E-06	3.16E-06	5.56E-07	3.77E-07	1.44E-05	7.47E-06	3.17E-06	3.73E-06	1.46E-06	7.47E-06	3.17E-06
3011	478976.63	3850271.93	1.16E-02	1.19E-02	1.12E-02	4.01E-06	1.21E-05	7.01E-06	7.18E-06	6.51E-06	2.97E-06	2.80E-06	1.34E-07	3.23E-06	7.14E-07	9.74E-07	1.55E-06	2.72E-07	1.85E-07	7.06E-06	3.66E-06	1.55E-06	1.82E-06	7.17E-07	3.66E-06	1.55E-06
3012	479026.63	3850271.93	1.05E-02	1.08E-02	1.02E-02	3.64E-06	1.10E-05	6.36E-06	6.52E-06	5.91E-06	2.70E-06	2.54E-06	1.22E-07	2.94E-06	6.48E-07	8.85E-07	1.40E-06	2.47E-07	1.68E-07	6.41E-06	3.32E-06	1.41E-06	1.66E-06	6.51E-07	3.32E-06	1.41E-06
3013	479076.63	3850271.93	9.64E-03	9.88E-03	9.32E-03	3.34E-06	1.01E-05	5.83E-06	5.98E-06	5.42E-06	2.47E-06	2.33E-06	1.11E-07	2.69E-06	5.94E-07	8.11E-07	1.29E-06	2.27E-07	1.54E-07	5.88E-06	3.04E-06	1.29E-06	1.52E-06	5.97E-07	3.04E-06	1.29E-06
3014	479126.63	3850271.93	8.91E-03	9.13E-03	8.61E-03	3.08E-06	9.31E-06	5.39E-06	5.52E-06	5.01E-06	2.28E-06	2.15E-06	1.03E-07	2.49E-06	5.49E-07	7.50E-07	1.19E-06	2.10E-07	1.42E-07	5.43E-06	2.81E-06	1.19E-06	1.40E-06	5.51E-07	2.81E-06	1.19E-06
3015	479176.63	3850271.93	8.28E-03	8.48E-03	8.00E-03	2.87E-06	8.66E-06	5.01E-06	5.13E-06	4.65E-06	2.12E-06	2.00E-06	9.57E-08	2.31E-06	5.10E-07	6.97E-07	1.11E-06	1.95E-07	1.32E-07	5.05E-06	2.61E-06	1.11E-06	1.30E-06	5.13E-07	2.61E-06	1.11E-06
3016	479226.63	3850271.93	7.74E-03	7.93E-03	7.48E-03	2.68E-06	8.09E-06	4.68E-06	4.80E-06	4.35E-06	1.98E-06	1.87E-06	8.95E-08	2.16E-06	4.77E-07	6.51E-07	1.03E-06	1.82E-07	1.23E-07	4.72E-06	2.44E-06	1.04E-06	1.22E-06	4.79E-07	2.44E-06	1.04E-06
3017	479276.63	3850271.93	7.27E-03	7.45E-03	7.02E-03	2.52E-06	7.60E-06	4.40E-06	4.51E-06	4.08E-06	1.86E-06	1.76E-06	8.40E-08	2.03E-06	4.48E-07	6.12E-07	9.70E-07	1.71E-07	1.16E-07	4.43E-06	2.29E-06	9.74E-07	1.15E-06	4.50E-07	2.29E-06	9.74E-07
3018	479326.63	3850271.93	6.86E-03	7.03E-03	6.63E-03	2.37E-06	7.17E-06	4.15E-06	4.25E-06	3.85E-06	1.76E-06	1.66E-06	7.93E-08	1.92E-06	4.23E-07	5.77E-07	9.16E-07	1.61E-07	1.09E-07	4.18E-06	2.17E-06	9.19E-07	1.08E-06	4.25E-07	2.17E-06	9.19E-07
3019	479376.63	3850271.93	6.48E-03	6.64E-03	6.27E-03	2.24E-06	6.78E-06	3.92E-06	4.02E-06	3.64E-06	1.66E-06	1.57E-06	7.50E-08	1.81E-06	4.00E-07	5.46E-07	8.66E-07	1.53E-07	1.03E-07	3.95E-06	2.05E-06	8.68E-07	1.02E-06	4.01E-07	2.05E-06	8.68E-07
3020	479053.24	3850293.52	1.09E-02	1.11E-02	1.05E-02	3.76E-06	1.14E-05	6.57E-06	6.73E-06	6.10E-06	2.78E-06	2.63E-06	1.26E-07	3.03E-06	6.69E-07	9.14E-07	1.45E-06	2.55E-07	1.73E-07	6.62E-06	3.43E-06	1.45E-06	1.71E-06	6.72E-07	3.43E-06	1.45E-06
3021	479103.24	3850293.52	9.93E-03	1.02E-02	9.59E-03	3.44E-06	1.04E-05	6.01E-06	6.15E-06	5.58E-06	2.54E-06	2.40E-06	1.15E-07	2.77E-06	6.12E-07	8.35E-07	1.33E-06	2.34E-07	1.58E-07	6.05E-06	3.13E-06	1.33E-06	1.56E-06	6.14E-07	3.13E-06	1.33E-06
3022	479153.24	3850293.52	9.15E-03	9.38E-03	8.84E-03	3.17E-06	9.57E-06	5.54E-06	5.67E-06	5.14E-06	2.35E-06	2.21E-06	1.06E-07	2.56E-06	5.64E-07	7.70E-07	1.22E-06	2.15E-07	1.46E-07	5.58E-06	2.89E-06	1.23E-06	1.44E-06	5.66E-07	2.89E-06	1.23E-06
3023	479203.24	3850293.52	8.49E-03	8.69E-03	8.20E-03	2.94E-06	8.87E-06	5.14E-06	5.26E-06	4.77E-06	2.18E-06	2.05E-06	9.81E-08	2.37E-06	5.23E-07	7.14E-07	1.13E-06	2.00E-07	1.35E-07	5.17E-06	2.68E-06	1.14E-06	1.34E-06	5.25E-07	2.68E-06	1.14E-06
3024	479253.24	3850293.52	7.92E-03	8.11E-03	7.65E-03	2.74E-06	8.28E-06	4.79E-06	4.91E-06	4.45E-06	2.03E-06	1.92E-06	9.16E-08	2.21E-06	4.88E-07	6.67E-07	1.06E-06	1.86E-07	1.26E-07	4.83E-06	2.50E-06	1.06E-06	1.25E-06	4.90E-07	2.50E-06	1.06E-06
3025	479303.24	3850293.52	7.43E-03	7.61E-03	7.18E-03	2.57E-06	7.77E-06	4.50E-06	4.61E-06	4.18E-06	1.91E-06	1.80E-06	8.59E-08	2.08E-06	4.58E-07	6.26E-07	9.92E-07	1.75E-07	1.19E-07	4.53E-06	2.35E-06	9.95E-07	1.17E-06	4.60E-07	2.35E-06	9.95E-07
3026	479353.24	3850293.52	7.00E-03	7.17E-03	6.76E-03	2.42E-06	7.31E-06	4.23E-06	4.34E-06	3.93E-06	1.79E-06	1.69E-06	8.09E-08	1.95E-06	4.31E-07	5.89E-07	9.34E-07	1.65E-07	1.12E-07	4.27E-06	2.21E-06	9.37E-07	1.10E-06	4.33E-07	2.21E-06	9.37E-07
3027	479153.24	3850343.52	1.09E-02	1.12E-02	1.05E-02	3.78E-06	1.14E-05	6.60E-06	6.76E-06	6.13E-06	2.80E-06	2.64E-06	1.26E-07	3.05E-06	6.72E-07	9.18E-07	1.46E-06	2.57E-07	1.74E-07	6.65E-06	3.44E-06	1.46E-06	1.72E-06	6.75E-07	3.44E-06	1.46E-06
3028	479203.24	3850343.52	9.97E-03	1.02E-02	9.63E-03	3.45E-06	1.04E-05	6.03E-06	6.18E-06	5.60E-06	2.56E-06	2.41E-06	1.15E-07	2.78E-06	6.14E-07	8.39E-07	1.33E-06	2.35E-07	1.59E-07	6.08E-06	3.15E-06	1.34E-06	1.57E-06	6.17E-07	3.15E-06	1.34E-06
3029	479253.24	3850343.52	9.20E-03	9.42E-03	8.88E-03	3.18E-06	9.61E-06	5.56E-06	5.70E-06	5.17E-06	2.36E-06	2.22E-06	1.06E-07	2.57E-06	5.67E-07	7.74E-07	1.23E-06	2.16E-07	1.47E-07	5.60E-06	2.90E-06	1.23E-06	1.45E-06	5.69E-07	2.90E-06	1.23E-06
3030	479303.24	3850343.52	8.54E-03	8.74E-03	8.25E-03	2.96E-06	8.92E-06	5.17E-06	5.29E-06	4.80E-06	2.19E-06	2.06E-06	9.87E-08	2.38E-06	5.26E-07	7.18E-07	1.14E-06	2.01E-07	1.36E-07	5.20E-06	2.69E-06	1.14E-06	1.34E-06	5.28E-07	2.69E-06	1.14E-06
3031	479353.24	3850343.52	7.96E-03	8.15E-03	7.69E-03	2.76E-06	8.32E-06	4.82E-06	4.93E-06	4.47E-06	2.04E-06	1.92E-06	9.20E-08	2.22E-06	4.90E-07	6.70E-07	1.06E-06	1.87E-07	1.27E-07	4.85E-06	2.51E-06	1.07E-06	1.25E-06	4.93E-07	2.51E-06	1.07E-06
3032	479203.24	3850393.52	1.21E-02	1.24E-02	1.17E-02	4.20E-06	1.27E-05	7.34E-06	7.52E-06	6.82E-06	3.11E-06	2.93E-06	1.40E-07	3.39E-06	7.47E-07	1.02E-06	1.62E-06	2.85E-07	1.93E-07	7.39E-06	3.83E-06	1.62E-06	1.91E-06	7.51E-07	3.83E-06	1.62E-06
3033	479253.24	3850393.52	1.10E-02	1.13E-02	1.06E-02	3.80E-06	1.15E-05	6.65E-06	6.81E-06	6.17E-06	2.82E-06	2.66E-06	1.27E-07	3.07E-06	6.77E-07	9.25E-07	1.47E-06	2.59E-07	1.75E-07	6.70E-06	3.47E-06	1.47E-06	1.73E-06	6.80E-07	3.47E-06	1.47E-06
3034	479303.24	3850393.52	1.01E-02	1.03E-02	9.71E-03	3.48E-06	1.05E-05	6.08E-06	6.23E-06	5.65E-06	2.58E-06	2.43E-06	1.16E-07	2.81E-06	6.19E-07	8.46E-07	1.34E-06	2.36E-07	1.60E-07	6.13E-06	3.17E-06	1.35E-06	1.58E-06	6.22E-07	3.17E-06	1.35E-06
3035	479353.24	3850393.52	9.26E-03	9.48E-03	8.94E-03	3.20E-06	9.68E-06	5.60E-06	5.74E-06	5.20E-06	2.37E-06	2.24E-06	1.07E-07	2.59E-06	5.70E-07	7.79E-07	1.24E-06	2.18E-07	1.48E-07	5.64E-06	2.92E-06	1.24E-06	1.46E-06	5.73E-07	2.92E-06	1.24E-06
3036	479403.24	3850393.52	8.57E-03	8.78E-03	8.28E-03	2.97E-06	8.96E-06	5.19E-06	5.31E-06	4.82E-06	2.20E-06	2.07E-06	9.91E-08	2.39E-06	5.28E-07	7.21E-07	1.14E-06	2.02E-07	1.37E-07	5.23E-06	2.71E-06	1.15E-06	1.35E-06	5.31E-07	2.71E-06	1.15E-06
3037	479453.24	3850393.52	7.97E-03	8.16E-03	7.70E-03	2.76E-06	8.33E-06	4.82E-06	4.94E-06	4.48E-06	2.04E-06	1.93E-06	9.21E-08	2.23E-06	4.91E-07	6.71E-07	1.06E-06	1.88E-07	1.27E-07	4.86E-06	2.52E-06	1.07E-06	1.26E-06	4.93E-07	2.52E-06	1.07E-06
3038	479503.24	3850393.52	7.43E-03	7.60E-03	7.17E-03	2.57E-06	7.76E-06	4.49E-06	4.60E-06	4.17E-06	1.90E-06	1.80E-06	8.58E-08	2.07E-06	4.57E-07	6.25E-07	9.91E-07	1.75E-07	1.18E-07	4.53E-06	2.34E-06	9.94E-07	1.17E-06	4.60E-07	2.34E-06	9.94E-07
3039	479303.24	3850443.52	1.23E-02	1.26E-02	1.18E-02	4.25E-06	1.28E-05	7.42E-06	7.60E-06	6.89E-06	3.14E-06	2.97E-06	1.42E-07	3.42E-06	7.56E-07	1.03E-06	1.64E-06	2.88E-07	1.96E-07	7.47E-06	3.87E-06	1.64E-06	1.93E-06	7.59E-07	3.87E-06	1.64E-06
3040	479353.24	3850443.52	1.11E-02	1.14E-02	1.07E-02	3.84E-06	1.16E-05	6.71E-06	6.87E-06	6.23E-06	2.84E-06	2.68E-06	1.28E-07	3.10E-06	6.83E-07	9.33E-07	1.48E-06	2.61E-07	1.77E-07	6.76E-06	3.50E-06	1.48E-06	1.75E-06	6.86E-07	3.50E-06	1.48E-06
3041	479403.24	3850443.52	1.01E-02	1.03E-02	9.76E-03	3.50E-06	1.06E-05	6.11E-06	6.26E-06	5.67E-06	2.59E-06	2.44E-06	1.17E-07	2.82E-06	6.22E-07	8.50E-07	1.35E-06	2.38E-07	1.61E-07	6.16E-06	3.19E-06	1.35E-06	1.59E-06	6.25E-07	3.19E-06	1.35E-06
3042	479453.24	3850443.52	9.26E-03	9.48E-03	8.94E-03	3.20E-06	9.67E-06	5.60E-06	5.74E-06	5.20E-06	2.37E-06	2.24E-06	1.07E-07	2.58E-06	5.70E-07	7.79E-07	1.24E-06	2.18E-07	1.48E-07	5.64E-06	2.92E-06	1.24E-06	1.46E-06	5.73E-07	2.92E-06	1.24E-06
3043	479503.24	3850443.52	8.52E-03	8.73E-03	8.23E-03	2.95E-06	8.91E-06	5.16E-06	5.28E-06	4.79E-06	2.18E-06	2.06E-06	9.85E-08	2.38E-06	5.25E-07	7.17E-07	1.14E-06	2.00E-07	1.36E-07	5.19E-06	2.69E-06	1.14E-06	1.34E-06	5.27E-07	2.69E-06	1.14E-06
3044	480327.18	3850987.04	1.50E-02	1.53E-02	1.44E-02	5.18E-06	1.56E-05	9.05E-06	9.27E-06	8.40E-06	3.83E-06	3.61E-06	1.73E-07	4.17E-06	9.21E-07	1.26E-06	2.00E-06	3.52E-07	2.38E-07	9.11E-06	4.72E-06	2.00E-06	2.36E-06	9.25E-07	4.72E-06	2.00E-06
3045	480377.18	3850987.04	1.32E-02	1.35E-02	1.27E-02	4.57E-06	1.38E-05	7.98E-06	8.18E-06	7.41E-06	3.38E-06	3.19E-06	1.53E-07	3.68E-06	8.13E-07	1.11E-06	1.76E-06	3.10E-07	2.10E-07	8.04E-06	4.16E-06	1.77E-06	2.08E-06	8.16E-07	4.16E-06	1.77E-06
3046	480427.18	3850987.04	1.18E-02	1.21E-02	1.14E-02	4.08E-06	1.23E-05	7.13E-06	7.30E-06	6.62E-06	3.02E-06	2.85E-06	1.36E-07	3.29E-06	7.26E-07	9.91E-07	1.57E-06	2.77E-07	1.88E-07	7.18E-06	3.72E-06	1.58E-06	1.86E-06	7.29E-07	3.72E-06	1.58E-06
3047	480477.18	3850987.04	1.06E-02	1.09E-02	1.02E-02	3.67E-06	1.11E-05	6.41E-06	6.57E-06	5.95E-06	2.72E-06	2.56E-06	1.22E-07	2.96E-06	6.53E-07	8.91E-07	1.41E-06	2.49E-07	1.69E-07	6.46E-06	3.34E-06	1.42E-06	1.67E-06	6.56E-07	3.34E-06	1.42E-06
3048	480327.18	3851037.04	2.05E-02	2.10E-02	1.98E-02	7.10E-06	2.14E-05	1.24E-05	1.27E-05	1.15E-05	5.26E-06	4.96E-06	2.37E-07	5.73E-06	1.26E-06	1.73E-06	2.74E-06	4.83E-07	3.27E-07	1.25E-05	6.47E-06	2.75E-06	3.23E-06	1.27E-06	6.47E-06	2.75E-06
3049	480377.18	3851037.04	1.74E-02	1.78E-02	1.68E-02	6.01E-06	1.82E-05	1.05E-05	1.08E-05	9.76E-06	4.45E-06	4.20E-06	2.01E-07	4.85E-06	1.07E-06	1.46E-06	2.32E-06	4.09E-07	2.77E-07	1.06E-05	5.48E-06	2.33E-06	2.74E-06	1.07E-06	5.48E-06	2.33E-06
3050	480427.18	3851037.04	1.50E-02	1.54E-02	1.45E-02	5.19E-06	1.57E-05	9.08E-06	9.30E-06	8.43E-06	3.84E-06	3.63E-06	1.73E-07	4.19E-06	9.24E-07	1.26E-06	2.00E-06	3.53E-07	2.39E-07	9.14E-06	4.73E-06	2.01E-06	2.36E-06	9.28E-07	4.73E-06	2.01E-06
3051	480477.18	3851037.04	1.32E-02	1.35E-02	1.27E-02	4.56E-06	1.38E-05	7.97E-06	8.17E-06	7.40E-06	3.38E-06	3.19E-06	1.52E-07	3.68E-06	8.12E-07	1.11E-06	1.76E-06	3.10E-07	2.10E-07	8.03E-06	4.16E-06	1.76E-06	2.08E-06	8.16E-07	4.16E-06	1.76E-06
3052	480622.06	3851087.39	1.19E-02	1.21E-02	1.15E-02	4.11E-06	1.24E-05	7.18E-06	7.35E-06	6.66E-06	3.04E-06	2.87E-06	1.37E-07	3.31E-06	7.31E-07	9.98E-07	1.58E-06	2.79E-07	1.89E-07	7.23E-06	3.74E-06	1.59E-06	1.87E-06	7.34E-07	3.74E-06	1.59E-06
3053	480672.06	3851087.39	1.07E-02	1.09E-02	1.03E-02	3.70E-06	1.12E-05	6.47E-06	6.62E-06	6.00E-06	2.74E-06	2.58E-06	1.24E-07	2.98E-06	6.59E-07	8.99E-07	1.43E-06	2.51E-07	1.70E-07	6.51E-06	3.37E-06	1.43E-06	1.68E-06	6.61E-07	3.37E-06	1.43E-06
3054	480622.06	3851137.39	1.53E-02	1.56E-02	1.47E-02	5.28E-06	1.59E-05	9.23E-06	9.45E-06	8.57E-06	3.91E-06	3.69E-06	1.76E-07	4.26E-06	9.40E-07	1.28E-06	2.04E-06	3.59E-07	2.43E-07	9.30E-06	4.81E-06	2.04E-06	2.40E-06	9.44E-07	4.81E-06	2.04E-06
3055	480672.06	3851137.39	1.34E-02	1.37E-02	1.29E-02	4.63E-06	1.40E-05	8.08E-06	8.28E-06	7.51E-06	3.42E-06	3.23E-06	1.54E-07	3.73E-06	8.23E-07	1.12E-06	1.78E-06	3.14E-07	2.13E-07	8.14E-06	4.22E-06	1.79E-06	2.10E-06	8.27E-07	4.22E-06	1.79E-06
3056	480722.06	3851137.39	1.19E-02	1.22E-02	1.15E-02	4.12E-06	1.24E-05	7.20E-06	7.38E-06	6.69E-06	3.05E-06	2.88E-06	1.38E-07	3.32E-06	7.33E-07	1.00E-06	1.59E-06	2.80E-07	1.90E-07	7.25E-06	3.76E-06	1.59E-06	1.88E-06	7.37E-07	3.76E-06	1.59E-06
3057	480622.06	3851187.39	2.13E-02	2.18E-02	2.06E-02	7.37E-06	2.23E-05	1.29E-05	1.32E-05	1.20E-05	5.46E-06	5.15E-06	2.46E-07	5.95E-06	1.31E-06	1.79E-06	2.84E-06	5.01E-07	3.40E-07	1.30E-05	6.72E-06	2.85E-06	3.35E-06	1.32E-06	6.72E-06	2.85E-06
3058	480672.06	3851187.39	1.78E-02	1.83E-02	1.72E-02	6.17E-06	1.86E-05	1.08E-05	1.10E-05	1.00E-05	4.57E-06	4.31E-06	2.06E-07	4.98E-06	1.10E-06	1.50E-06	2.38E-06	4.19E-07	2.84E-07	1.09E-05	5.63E-06	2.39E-06	2.81E-06	1.10E-06	5.63E-06	2.39E-06
3059	480722.06	3851187.39	1.53E-02	1.57E-02	1.48E-02	5.31E-06	1.60E-05	9.28E-06	9.50E-06	8.61E-06	3.93E-06	3.71E-06	1.77E-07	4.28E-06	9.45E-07	1.29E-06	2.05E-06	3.61E-07	2.44E-07	9.34E-06	4.84E-06	2.05E-06	2.41E-06	9.49E-07	4.84E-06	2.05E-06
3060	471363.09	3845877.25	5.46E-04	5.59E-04	5.28E-04	1.89E-07	5.71E-07	3.30E-07	3.38E-07	3.07E-07	1.40E-07	1.32E-07	6.31E-09	1.52E-07	3.36E-08	4.59E-08	7.29E-08	1.28E-08	8.71E-09	3.33E-07	1.72E-07	7.31E-08	8.60E-08	3.38E-08	1.72E-07	7.31E-08
3061	471863.09	3845877.25	5.45E-04	5.58E-04	5.26E-04	1.89E-07	5.69E-07	3.30E-07	3.38E-07	3.06E-07	1.40E-07	1.32E-07	6.30E-09	1.52E-07	3.36E-08	4.58E-08	7.27E-08	1.28E-08	8.69E-09	3.32E-07	1.72E-07	7.29E-08	8.58E-08	3.37E-08	1.72E-07	7.29E-08
3062	472363.09	3845877.25	6.27E-04	6.42E-04	6.06E-04	2.17E-07	6.56E-07	3.80E-07	3.89E-07	3.52E-07	1.61E-07	1.52E-07	7.25E-09	1.75E-07	3.86E-08	5.28E-08	8.37E-08	1.48E-08	1.00E-08	3.82E-07	1.98E-07	8.40E-08	9.88E-08	3.88E-08	1.98E-07	8.40E-08
3063	472863.09	3845877.25	6.05E-04	6.20E-04	5.85E-04	2.09E-07	6.32E-07	3.66E-07	3.75E-07	3.40E-07	1.55E-07	1.46E-07	6.99E-09	1.69E-07	3.73E-08	5.09E-08	8.08E-08	1.42E-08	9.65E-09	3.69E-07	1.91E-07	8.10E-08	9.53E-08	3.74E-08	1.91E-07	8.10E-08
3064	473363.09	3845877.25	6.20E-04	6.35E-04	5.99E-04	2.15E-07	6.48E-07	3.75E-07	3.84E-07	3.48E-07	1.59E-07	1.50E-07	7.17E-09	1.73E-07	3.82E-08	5.22E-08	8.27E-08	1.46E-08	9.89E-09	3.78E-07	1.96E-07	8.30E-08	9.77E-08	3.84E-08	1.96E-07	8.30E-08
3065	473863.09	3845877.25	6.29E-04	6.44E-04	6.07E-04	2.18E-07	6.57E-07	3.80E-07	3.90E-07	3.53E-07	1.61E-07	1.52E-07	7.27E-09	1.76E-07	3.87E-08	5.29E-08	8.39E-08	1.48E-08	1.00E-08	3.83E-07	1.98E-07	8.42E-08	9.90E-08	3.89E-08	1.98E-07	8.42E-08
3066	474363.09	3845877.25	6.67E-04	6.83E-04	6.44E-04	2.31E-07	6.97E-07	4.04E-07	4.13E-07	3.75E-07	1.71E-07	1.61E-07	7.71E-09	1.86E-07	4.11E-08	5.61E-08	8.90E-08	1.57E-08	1.06E-08	4.07E-07	2.11E-07	8.93E-08	1.05E-07	4.13E-08	2.11E-07	8.93E-08
3067	474863.09	3845877.25	6.88E-04	7.04E-04	6.64E-04	2.38E-07	7.19E-07	4.16E-07	4.26E-07	3.86E-07	1.76E-07	1.66E-07	7.95E-09	1.92E-07	4.24E-08	5.79E-08	9.18E-08	1.62E-08	1.10E-08	4.19E-07	2.17E-07	9.21E-08	1.08E-07	4.26E-08	2.17E-07	9.21E-08
3068	475363.09	3845877.25	6.97E-04	7.13E-04	6.73E-04	2.41E-07	7.28E-07	4.21E-07	4.32E-07	3.91E-07	1.79E-07	1.68E-07	8.05E-09	1.95E-07	4.29E-08	5.86E-08	9.30E-08	1.64E-08	1.11E-08	4.25E-07	2.20E-07	9.33E-08	1.10E-07	4.31E-08	2.20E-07	9.33E-08
3069	475863.09	3845877.25	6.79E-04	6.95E-04	6.56E-04	2.35E-07	7.10E-07	4.11E-07	4.21E-07	3.81E-07	1.74E-07	1.64E-07	7.85E-09	1.90E-07	4.18E-08	5.71E-08	9.06E-08	1.60E-08	1.08E-08	4.14E-07	2.14E-07	9.09E-08	1.07E-07	4.20E-08	2.14E-07	9.09E-08
3070	476363.09	3845877.25	6.45E-04	6.61E-04	6.23E-04	2.23E-07	6.74E-07	3.90E-07	4.00E-07	3.62E-07	1.65E-07	1.56E-07	7.46E-09	1.80E-07	3.97E-08	5.43E-08	8.61E-08	1.52E-08	1.03E-08	3.93E-07	2.04E-07	8.64E-08	1.02E-07	3.99E-08	2.04E-07	8.64E-08
3071	476863.09	3845877.25	6.07E-04	6.21E-04	5.86E-04	2.10E-07	6.34E-07	3.67E-07	3.76E-07	3.41E-07	1.55E-07	1.47E-07	7.01E-09	1.69E-07	3.74E-08	5.10E-08	8.10E-08	1.43E-08	9.67E-09	3.70E-07	1.91E-07	8.12E-08	9.56E-08	3.75E-08	1.91E-07	8.12E-08
3072	477363.09	3845877.25	5.76E-04	5.90E-04	5.56E-04	1.99E-07	6.02E-07	3.48E-07	3.57E-07	3.23E-07	1.48E-07	1.39E-07	6.65E-09	1.61E-07	3.55E-08	4.84E-08	7.68E-08	1.35E-08	9.18E-09	3.51E-07	1.82E-07	7.71E-08	9.07E-08	3.56E-08	1.82E-07	7.71E-08
3073	477863.09	3845877.25	5.40E-04	5.53E-04	5.22E-04	1.87E-07	5.65E-07	3.27E-07	3.35E-07	3.03E-07	1.38E-07	1.31E-07	6.24E-09	1.51E-07	3.33E-08	4.55E-08	7.21E-08	1.27E-08	8.61E-09	3.29E-07	1.70E-07	7.23E-08	8.51E-08	3.34E-08	1.70E-07	7.23E-08

3074	478363.09	3845877.25	5.20E-04	5.32E-04	5.02E-04	1.80E-07	5.43E-07	3.14E-07	3.22E-07	2.92E-07	1.33E-07	1.26E-07	6.01E-09	1.45E-07	3.20E-08	4.37E-08	6.93E-08	1.22E-08	8.29E-09	3.17E-07	1.64E-07	6.96E-08	8.18E-08	3.22E-08	1.64E-07	6.96E-08
3075	478863.09	3845877.25	5.00E-04	5.12E-04	4.83E-04	1.73E-07	5.23E-07	3.03E-07	3.10E-07	2.81E-07	1.28E-07	1.21E-07	5.78E-09	1.40E-07	3.08E-08	4.21E-08	6.68E-08	1.18E-08	7.98E-09	3.05E-07	1.58E-07	6.70E-08	7.88E-08	3.10E-08	1.58E-07	6.70E-08
3076	479363.09	3845877.25	4.90E-04	5.02E-04	4.73E-04	1.70E-07	5.12E-07	2.96E-07	3.04E-07	2.75E-07	1.26E-07	1.18E-07	5.66E-09	1.37E-07	3.02E-08	4.12E-08	6.54E-08	1.15E-08	7.81E-09	2.99E-07	1.55E-07	6.56E-08	7.72E-08	3.03E-08	1.55E-07	6.56E-08
3077	479863.09	3845877.25	4.71E-04	4.82E-04	4.55E-04	1.63E-07	4.92E-07	2.85E-07	2.92E-07	2.64E-07	1.21E-07	1.14E-07	5.44E-09	1.31E-07	2.90E-08	3.96E-08	6.28E-08	1.11E-08	7.51E-09	2.87E-07	1.49E-07	6.30E-08	7.42E-08	2.91E-08	1.49E-07	6.30E-08
3078	480363.09	3845877.25	4.40E-04	4.50E-04	4.25E-04	1.52E-07	4.60E-07	2.66E-07	2.73E-07	2.47E-07	1.13E-07	1.06E-07	5.08E-09	1.23E-07	2.71E-08	3.70E-08	5.87E-08	1.03E-08	7.01E-09	2.68E-07	1.39E-07	5.89E-08	6.93E-08	2.72E-08	1.39E-07	5.89E-08
3079	480863.09	3845877.25	4.21E-04	4.31E-04	4.06E-04	1.46E-07	4.40E-07	2.55E-07	2.61E-07	2.36E-07	1.08E-07	1.02E-07	4.86E-09	1.17E-07	2.59E-08	3.54E-08	5.61E-08	9.89E-09	6.71E-09	2.56E-07	1.33E-07	5.63E-08	6.63E-08	2.60E-08	1.33E-07	5.63E-08
3080	481363.09	3845877.25	4.03E-04	4.13E-04	3.89E-04	1.39E-07	4.21E-07	2.44E-07	2.50E-07	2.26E-07	1.03E-07	9.74E-08	4.66E-09	1.13E-07	2.48E-08	3.39E-08	5.38E-08	9.48E-09	6.43E-09	2.46E-07	1.27E-07	5.40E-08	6.35E-08	2.49E-08	1.27E-07	5.40E-08
3081	481863.09	3845877.25	3.84E-04	3.93E-04	3.71E-04	1.33E-07	4.01E-07	2.32E-07	2.38E-07	2.16E-07	9.84E-08	9.28E-08	4.44E-09	1.07E-07	2.36E-08	3.23E-08	5.12E-08	9.03E-09	6.12E-09	2.34E-07	1.21E-07	5.14E-08	6.05E-08	2.37E-08	1.21E-07	5.14E-08
3082	482363.09	3845877.25	3.65E-04	3.73E-04	3.52E-04	1.26E-07	3.81E-07	2.21E-07	2.26E-07	2.05E-07	9.34E-08	8.81E-08	4.21E-09	1.02E-07	2.25E-08	3.07E-08	4.87E-08	8.58E-09	5.81E-09	2.22E-07	1.15E-07	4.88E-08	5.74E-08	2.26E-08	1.15E-07	4.88E-08
3083	482863.09	3845877.25	3.25E-04	3.33E-04	3.14E-04	1.12E-07	3.39E-07	1.96E-07	2.01E-07	1.82E-07	8.32E-08	7.85E-08	3.75E-09	9.07E-08	2.00E-08	2.73E-08	4.33E-08	7.64E-09	5.18E-09	1.98E-07	1.02E-07	4.35E-08	5.12E-08	2.01E-08	1.02E-07	4.35E-08
3084	483363.09	3845877.25	3.06E-04	3.13E-04	2.95E-04	1.06E-07	3.19E-07	1.85E-07	1.89E-07	1.72E-07	7.83E-08	7.39E-08	3.53E-09	8.53E-08	1.88E-08	2.57E-08	4.08E-08	7.19E-09	4.87E-09	1.86E-07	9.64E-08	4.09E-08	4.81E-08	1.89E-08	9.64E-08	4.09E-08
3085	483863.09	3845877.25	3.29E-04	3.37E-04	3.18E-04	1.14E-07	3.44E-07	1.99E-07	2.04E-07	1.85E-07	8.44E-08	7.96E-08	3.80E-09	9.19E-08	2.03E-08	2.77E-08	4.39E-08	7.74E-09	5.25E-09	2.01E-07	1.04E-07	4.41E-08	5.18E-08	2.04E-08	1.04E-07	4.41E-08
3086	484363.09	3845877.25	3.26E-04	3.34E-04	3.15E-04	1.13E-07	3.41E-07	1.97E-07	2.02E-07	1.83E-07	8.36E-08	7.89E-08	3.77E-09	9.11E-08	2.01E-08	2.74E-08	4.35E-08	7.67E-09	5.20E-09	1.99E-07	1.03E-07	4.37E-08	5.14E-08	2.02E-08	1.03E-07	4.37E-08
3087	484863.09	3845877.25	3.19E-04	3.27E-04	3.08E-04	1.10E-07	3.33E-07	1.93E-07	1.98E-07	1.79E-07	8.17E-08	7.71E-08	3.69E-09	8.90E-08	1.96E-08	2.68E-08	4.26E-08	7.50E-09	5.08E-09	1.94E-07	1.01E-07	4.27E-08	5.02E-08	1.97E-08	1.01E-07	4.27E-08
3088	485363.09	3845877.25	3.07E-04	3.14E-04	2.97E-04	1.06E-07	3.21E-07	1.86E-07	1.90E-07	1.72E-07	7.87E-08	7.42E-08	3.55E-09	8.57E-08	1.89E-08	2.58E-08	4.10E-08	7.22E-09	4.90E-09	1.87E-07	9.69E-08	4.11E-08	4.84E-08	1.90E-08	9.69E-08	4.11E-08
3089	485863.09	3845877.25	3.07E-04	3.14E-04	2.97E-04	1.06E-07	3.21E-07	1.86E-07	1.90E-07	1.72E-07	7.87E-08	7.42E-08	3.55E-09	8.57E-08	1.89E-08	2.58E-08	4.10E-08	7.22E-09	4.90E-09	1.87E-07	9.69E-08	4.11E-08	4.84E-08	1.90E-08	9.69E-08	4.11E-08
3090	486363.09	3845877.25	3.03E-04	3.10E-04	2.92E-04	1.05E-07	3.16E-07	1.83E-07	1.88E-07	1.70E-07	7.76E-08	7.32E-08	3.50E-09	8.45E-08	1.86E-08	2.55E-08	4.04E-08	7.12E-09	4.83E-09	1.84E-07	9.55E-08	4.05E-08	4.77E-08	1.87E-08	9.55E-08	4.05E-08
3091	486863.09	3845877.25	2.91E-04	2.98E-04	2.81E-04	1.01E-07	3.04E-07	1.76E-07	1.80E-07	1.63E-07	7.45E-08	7.03E-08	3.36E-09	8.12E-08	1.79E-08	2.45E-08	3.88E-08	6.84E-09	4.64E-09	1.77E-07	9.18E-08	3.89E-08	4.58E-08	1.80E-08	9.18E-08	3.89E-08
3092	487363.09	3845877.25	2.86E-04	2.93E-04	2.77E-04	9.91E-08	2.99E-07	1.73E-07	1.77E-07	1.61E-07	7.34E-08	6.92E-08	3.31E-09	7.99E-08	1.76E-08	2.41E-08	3.82E-08	6.74E-09	4.57E-09	1.75E-07	9.04E-08	3.83E-08	4.51E-08	1.77E-08	9.04E-08	3.83E-08
3093	487863.09	3845877.25	2.76E-04	2.83E-04	2.67E-04	9.55E-08	2.88E-07	1.67E-07	1.71E-07	1.55E-07	7.07E-08	6.67E-08	3.19E-09	7.71E-08	1.70E-08	2.32E-08	3.68E-08	6.49E-09	4.40E-09	1.68E-07	8.71E-08	3.70E-08	4.35E-08	1.71E-08	8.71E-08	3.70E-08
3094	488363.09	3845877.25	2.70E-04	2.77E-04	2.61E-04	9.35E-08	2.82E-07	1.63E-07	1.67E-07	1.52E-07	6.92E-08	6.53E-08	3.12E-09	7.54E-08	1.66E-08	2.27E-08	3.61E-08	6.35E-09	4.31E-09	1.65E-07	8.52E-08	3.62E-08	4.25E-08	1.67E-08	8.52E-08	3.62E-08
3095	488863.09	3845877.25	2.83E-04	2.90E-04	2.74E-04	9.81E-08	2.96E-07	1.71E-07	1.76E-07	1.59E-07	7.26E-08	6.85E-08	3.28E-09	7.91E-08	1.75E-08	2.38E-08	3.78E-08	6.67E-09	4.52E-09	1.73E-07	8.94E-08	3.79E-08	4.46E-08	1.75E-08	8.94E-08	3.79E-08
3096	489363.09	3845877.25	2.80E-04	2.87E-04	2.71E-04	9.71E-08	2.93E-07	1.70E-07	1.74E-07	1.58E-07	7.19E-08	6.78E-08	3.24E-09	7.83E-08	1.73E-08	2.36E-08	3.74E-08	6.60E-09	4.47E-09	1.71E-07	8.85E-08	3.76E-08	4.42E-08	1.74E-08	8.85E-08	3.76E-08
3097	489863.09	3845877.25	2.72E-04	2.78E-04	2.62E-04	9.40E-08	2.84E-07	1.64E-07	1.68E-07	1.53E-07	6.96E-08	6.57E-08	3.14E-09	7.58E-08	1.67E-08	2.28E-08	3.62E-08	6.39E-09	4.33E-09	1.66E-07	8.57E-08	3.64E-08	4.28E-08	1.68E-08	8.57E-08	3.64E-08
3098	490363.09	3845877.25	2.58E-04	2.65E-04	2.50E-04	8.94E-08	2.70E-07	1.56E-07	1.60E-07	1.45E-07	6.62E-08	6.24E-08	2.99E-09	7.21E-08	1.59E-08	2.17E-08	3.45E-08	6.08E-09	4.12E-09	1.57E-07	8.15E-08	3.46E-08	4.07E-08	1.60E-08	8.15E-08	3.46E-08
3099	490863.09	3845877.25	2.33E-04	2.39E-04	2.25E-04	8.07E-08	2.44E-07	1.41E-07	1.45E-07	1.31E-07	5.98E-08	5.64E-08	2.70E-09	6.51E-08	1.44E-08	1.96E-08	3.11E-08	5.49E-09	3.72E-09	1.42E-07	7.36E-08	3.12E-08	3.67E-08	1.44E-08	7.36E-08	3.12E-08
3100	491363.09	3845877.25	2.45E-04	2.51E-04	2.37E-04	8.48E-08	2.56E-07	1.48E-07	1.52E-07	1.38E-07	6.28E-08	5.92E-08	2.83E-09	6.84E-08	1.51E-08	2.06E-08	3.27E-08	5.76E-09	3.91E-09	1.49E-07	7.73E-08	3.28E-08	3.86E-08	1.52E-08	7.73E-08	3.28E-08
3101	491863.09	3845877.25	2.49E-04	2.55E-04	2.41E-04	8.63E-08	2.61E-07	1.51E-07	1.55E-07	1.40E-07	6.39E-08	6.03E-08	2.88E-09	6.96E-08	1.54E-08	2.10E-08	3.33E-08	5.87E-09	3.98E-09	1.52E-07	7.87E-08	3.34E-08	3.93E-08	1.54E-08	7.87E-08	3.34E-08
3102	492363.09	3845877.25	2.32E-04	2.37E-04	2.24E-04	8.02E-08	2.42E-07	1.40E-07	1.44E-07	1.30E-07	5.94E-08	5.60E-08	2.68E-09	6.47E-08	1.43E-08	1.95E-08	3.09E-08	5.45E-09	3.70E-09	1.41E-07	7.31E-08	3.10E-08	3.65E-08	1.43E-08	7.31E-08	3.10E-08
3103	492863.09	3845877.25	2.48E-04	2.54E-04	2.40E-04	8.58E-08	2.59E-07	1.50E-07	1.54E-07	1.39E-07	6.36E-08	6.00E-08	2.87E-09	6.92E-08	1.53E-08	2.09E-08	3.31E-08	5.83E-09	3.95E-09	1.51E-07	7.83E-08	3.32E-08	3.91E-08	1.53E-08	7.83E-08	3.32E-08
3104	493363.09	3845877.25	2.52E-04	2.58E-04	2.44E-04	8.74E-08	2.64E-07	1.53E-07	1.56E-07	1.42E-07	6.47E-08	6.10E-08	2.92E-09	7.05E-08	1.55E-08	2.12E-08	3.37E-08	5.94E-09	4.03E-09	1.54E-07	7.97E-08	3.38E-08	3.98E-08	1.56E-08	7.97E-08	3.38E-08
3105	493863.09	3845877.25	2.55E-04	2.62E-04	2.47E-04	8.84E-08	2.67E-07	1.54E-07	1.58E-07	1.43E-07	6.54E-08	6.17E-08	2.95E-09	7.13E-08	1.57E-08	2.15E-08	3.41E-08	6.01E-09	4.07E-09	1.56E-07	8.06E-08	3.42E-08	4.02E-08	1.58E-08	8.06E-08	3.42E-08
3106	494363.09	3845877.25	2.57E-04	2.63E-04	2.48E-04	8.89E-08	2.68E-07	1.55E-07	1.59E-07	1.44E-07	6.58E-08	6.21E-08	2.97E-09	7.17E-08	1.58E-08	2.16E-08	3.43E-08	6.04E-09	4.10E-09	1.57E-07	8.11E-08	3.44E-08	4.05E-08	1.59E-08	8.11E-08	3.44E-08
3107	494863.09	3845877.25	2.57E-04	2.63E-04	2.48E-04	8.89E-08	2.68E-07	1.55E-07	1.59E-07	1.44E-07	6.58E-08	6.21E-08	2.97E-09	7.17E-08	1.58E-08	2.16E-08	3.43E-08	6.04E-09	4.10E-09	1.57E-07	8.11E-08	3.44E-08	4.05E-08	1.59E-08	8.11E-08	3.44E-08
3108	495363.09	3845877.25	2.58E-04	2.65E-04	2.50E-04	8.94E-08	2.70E-07	1.56E-07	1.60E-07	1.45E-07	6.62E-08	6.24E-08	2.99E-09	7.21E-08	1.59E-08	2.17E-08	3.45E-08	6.08E-09	4.12E-09	1.57E-07	8.15E-08	3.46E-08	4.07E-08	1.60E-08	8.15E-08	3.46E-08
3109	495863.09	3845877.25	2.60E-04	2.66E-04	2.51E-04	8.99E-08	2.71E-07	1.57E-07	1.61E-07	1.46E-07	6.66E-08	6.28E-08	3.00E-09	7.25E-08	1.60E-08	2.19E-08	3.47E-08	6.11E-09	4.14E-09	1.58E-07	8.20E-08	3.48E-08	4.09E-08	1.61E-08	8.20E-08	3.48E-08
3110	496363.09	3845877.25	2.61E-04	2.68E-04	2.52E-04	9.04E-08	2.73E-07	1.58E-07	1.62E-07	1.47E-07	6.70E-08	6.32E-08	3.02E-09	7.29E-08	1.61E-08	2.20E-08	3.49E-08	6.15E-09	4.17E-09	1.59E-07	8.24E-08	3.50E-08	4.12E-08	1.62E-08	8.24E-08	3.50E-08
3111	496863.09	3845877.25	2.60E-04	2.66E-04	2.51E-04	8.99E-08	2.71E-07	1.57E-07	1.61E-07	1.46E-07	6.66E-08	6.28E-08	3.00E-09	7.25E-08	1.60E-08	2.19E-08	3.47E-08	6.11E-09	4.14E-09	1.58E-07	8.20E-08	3.48E-08	4.09E-08	1.61E-08	8.20E-08	3.48E-08
3112	497363.09	3845877.25	2.60E-04	2.66E-04	2.51E-04	8.99E-08	2.71E-07	1.57E-07	1.61E-07	1.46E-07	6.66E-08	6.28E-08	3.00E-09	7.25E-08	1.60E-08	2.19E-08	3.47E-08	6.11E-09	4.14E-09	1.58E-07	8.20E-08	3.48E-08	4.09E-08	1.61E-08	8.20E-08	3.48E-08
3113	497863.09	3845877.25	2.58E-04	2.65E-04	2.50E-04	8.94E-08	2.70E-07	1.56E-07	1.60E-07	1.45E-07	6.62E-08	6.24E-08	2.99E-09	7.21E-08	1.59E-08	2.17E-08	3.45E-08	6.08E-09	4.12E-09	1.57E-07	8.15E-08	3.46E-08	4.07E-08	1.60E-08	8.15E-08	3.46E-08
3114	498363.09	3845877.25	2.57E-04	2.63E-04	2.48E-04	8.89E-08	2.68E-07	1.55E-07	1.59E-07	1.44E-07	6.58E-08	6.21E-08	2.97E-09	7.17E-08	1.58E-08	2.16E-08	3.43E-08	6.04E-09	4.10E-09	1.57E-07	8.11E-08	3.44E-08	4.05E-08	1.59E-08	8.11E-08	3.44E-08
3115	471363.09	3846377.25	1.00E-02	1.03E-02	9.69E-03	3.47E-06	1.05E-05	6.07E-06	6.21E-06	5.63E-06	2.57E-06	2.42E-06	1.16E-07	2.80E-06	6.18E-07	8.44E-07	1.34E-06	2.36E-07	1.60E-07	6.11E-06	3.17E-06	1.34E-06	1.58E-06	6.21E-07	3.17E-06	1.34E-06
3116	471863.09	3846377.25	8.47E-03	8.67E-03	8.18E-03	2.93E-06	8.85E-06	5.12E-06	5.25E-06	4.76E-06	2.17E-06	2.05E-06	9.79E-08	2.36E-06	5.22E-07	7.13E-07	1.13E-06	1.99E-07	1.35E-07	5.16E-06	2.67E-06	1.13E-06	1.33E-06	5.24E-07	2.67E-06	1.13E-06
3117	472363.09	3846377.25	2.58E-03	2.64E-03	2.49E-03	8.92E-07	2.69E-06	1.56E-06	1.60E-06	1.45E-06	6.61E-07	6.23E-07	2.98E-08	7.20E-07	1.59E-07	2.17E-07	3.44E-07	6.06E-08	4.11E-08	1.57E-06	8.13E-07	3.45E-07	4.06E-07	1.59E-07	8.13E-07	3.45E-07
3118	472863.09	3846377.25	1.79E-03	1.83E-03	1.73E-03	6.19E-07	1.87E-06	1.08E-06	1.11E-06	1.00E-06	4.59E-07	4.33E-07	2.07E-08	4.99E-07	1.10E-07	1.51E-07	2.39E-07	4.21E-08	2.85E-08	1.09E-06	5.65E-07	2.40E-07	2.82E-07	1.11E-07	5.65E-07	2.40E-07
3119	473363.09	3846377.25	1.41E-03	1.44E-03	1.36E-03	4.88E-07	1.47E-06	8.53E-07	8.73E-07	7.92E-07	3.61E-07	3.41E-07	1.63E-08	3.94E-07	8.68E-08	1.19E-07	1.88E-07	3.32E-08	2.25E-08	8.59E-07	4.45E-07	1.89E-07	2.22E-07	8.72E-08	4.45E-07	1.89E-07
3120	473863.09	3846377.25	1.26E-03	1.29E-03	1.22E-03	4.37E-07	1.32E-06	7.64E-07	7.82E-07	7.09E-07	3.23E-07	3.05E-07	1.46E-08	3.52E-07	7.77E-08	1.06E-07	1.68E-07	2.97E-08	2.01E-08	7.69E-07	3.98E-07	1.69E-07	1.99E-07	7.81E-08	3.98E-07	1.69E-07
3121	474363.09	3846377.25	1.14E-03	1.17E-03	1.10E-03	3.95E-07	1.19E-06	6.90E-07	7.07E-07	6.41E-07	2.92E-07	2.76E-07	1.32E-08	3.19E-07	7.03E-08	9.60E-08	1.52E-07	2.68E-08	1.82E-08	6.95E-07	3.60E-07	1.53E-07	1.80E-07	7.06E-08	3.60E-07	1.53E-07
3122	474863.09	3846377.25	1.07E-03	1.10E-03	1.04E-03	3.71E-07	1.12E-06	6.48E-07	6.64E-07	6.02E-07	2.75E-07	2.59E-07	1.24E-08	2.99E-07	6.60E-08	9.02E-08	1.43E-07	2.52E-08	1.71E-08	6.53E-07	3.38E-07	1.43E-07	1.69E-07	6.63E-08	3.38E-07	1.43E-07
3123	475363.09	3846377.25	9.96E-04	1.02E-03	9.62E-04	3.45E-07	1.04E-06	6.03E-07	6.17E-07	5.60E-07	2.55E-07	2.41E-07	1.15E-08	2.78E-07	6.14E-08	8.38E-08	1.33E-07	2.34E-08	1.59E-08	6.07E-07	3.14E-07	1.33E-07	1.57E-07	6.17E-08	3.14E-07	1.33E-07
3124	475863.09	3846377.25	9.40E-04	9.63E-04	9.08E-04	3.25E-07	9.83E-07	5.69E-07	5.83E-07	5.28E-07	2.41E-07	2.27E-07	1.09E-08	2.63E-07	5.79E-08	7.91E-08	1.25E-07	2.21E-08	1.50E-08	5.73E-07	2.97E-07	1.26E-07	1.48E-07	5.82E-08	2.97E-07	1.26E-07
3125	476363.09	3846377.25	8.63E-04	8.84E-04	8.34E-04	2.99E-07	9.02E-07	5.22E-07	5.35E-07	4.85E-07	2.21E-07	2.09E-07	9.98E-09	2.41E-07	5.32E-08	7.26E-08	1.15E-07	2.03E-08	1.38E-08	5.26E-07	2.72E-07	1.16E-07	1.36E-07	5.34E-08	2.72E-07	1.16E-07
3126	476863.09	3846377.25	7.98E-04	8.18E-04	7.71E-04	2.76E-07	8.35E-07	4.83E-07	4.95E-07	4.49E-07	2.05E-07	1.93E-07	9.23E-09	2.23E-07	4.92E-08	6.72E-08	1.07E-07	1.88E-08	1.27E-08	4.87E-07	2.52E-07	1.07E-07	1.26E-07	4.94E-08	2.52E-07	1.07E-07
3127	477363.09	3846377.25	7.41E-04	7.59E-04	7.16E-04	2.56E-07	7.74E-07	4.48E-07	4.59E-07	4.16E-07	1.90E-07	1.79E-07	8.56E-09	2.07E-07	4.56E-08	6.23E-08	9.89E-08	1.74E-08	1.18E-08	4.52E-07	2.34E-07	9.92E-08	1.17E-07	4.59E-08	2.34E-07	9.92E-08
3128	477863.09	3846377.25	6.83E-04	7.00E-04	6.60E-04	2.37E-07	7.14E-07	4.13E-07	4.23E-07	3.84E-07	1.75E-07	1.65E-07	7.90E-09	1.91E-07	4.21E-08	5.75E-08	9.12E-08	1.61E-08	1.09E-08	4.16E-07	2.16E-07	9.15E-08	1.08E-07	4.23E-08	2.16E-07	9.15E-08
3129	478363.09	3846377.25	6.42E-04	6.58E-04	6.20E-04	2.22E-07	6.71E-07	3.88E-07	3.98E-07	3.61E-07	1.65E-07	1.55E-07	7.42E-09	1.79E-07	3.96E-08	5.40E-08	8.57E-08	1.51E-08	1.02E-08	3.91E-07	2.03E-07	8.60E-08	1.01E-07	3.97E-08	2.03E-07	8.60E-08
3130	478863.09	3846377.25	6.18E-04	6.33E-04	5.97E-04	2.14E-07	6.46E-07	3.74E-07	3.83E-07	3.47E-07	1.59E-07	1.50E-07	7.15E-09	1.73E-07	3.81E-08	5.20E-08	8.25E-08	1.45E-08	9.86E-09	3.77E-07	1.95E-07	8.28E-08	9.74E-08	3.83E-08	1.95E-07	8.28E-08
3131	479363.09	3846377.25	5.90E-04	6.05E-04	5.70E-04	2.04E-07	6.17E-07	3.57E-07	3.66E-07	3.32E-07	1.51E-07	1.43E-07	6.82E-09	1.65E-07	3.64E-08	4.97E-08	7.88E-08	1.39E-08	9.42E-09	3.60E-07	1.86E-07	7.91E-08	9.30E-08	3.65E-08	1.86E-07	7.91E-08
3132	479863.09	3846377.25	5.59E-04	5.73E-04	5.40E-04	1.94E-07	5.85E-07	3.38E-07	3.47E-07	3.14E-07	1.43E-07	1.35E-07	6.47E-09	1.56E-07	3.45E-08	4.71E-08	7.47E-08	1.32E-08	8.92E-09	3.41E-07	1.77E-07	7.49E-08	8.81E-08	3.46E-08	1.77E-07	7.49E-08
3133	480363.09	3846377.25	5.40E-04	5.53E-04	5.22E-04	1.87E-07	5.65E-07	3.27E-07	3.35E-07	3.03E-07	1.38E-07	1.31E-07	6.24E-09	1.51E-07	3.33E-08	4.55E-08	7.21E-08	1.27E-08	8.61E-09	3.29E-07	1.70E-07	7.23E-08	8.51E-08	3.34E-08	1.70E-07	7.23E-08
3134	480863.09	3846377.25	4.97E-04	5.09E-04	4.81E-04	1.72E-07	5.20E-07	3.01E-07	3.08E-07	2.79E-07	1.27E-07	1.20E-07	5.75E-09	1.39E-07	3.06E-08	4.18E-08	6.64E-08	1.17E-08	7.93E-09	3.03E-07	1.57E-07	6.66E-08	7.84E-08	3.08E-08	1.57E-07	6.66E-08
3135	481363.09	3846377.25	4.77E-04	4.88E-04	4.61E-04	1.65E-07	4.98E-07	2.88E-07	2.95E-07	2.68E-07	1.22E-07	1.15E-07	5.51E-09	1.33E-07	2.94E-08	4.01E-08	6.36E-08	1.12E-08	7.60E-09	2.91E-07	1.50E-07	6.38E-08	7.51E-08	2.95E-08	1.50E-07	6.38E-08
3136	481863.09	3846377.25	4.50E-04	4.61E-04	4.35E-04	1.56E-07	4.70E-07	2.72E-07	2.79E-07	2.53E-07	1.15E-07	1.09E-07	5.20E-09	1.26E-07	2.77E-08	3.79E-08	6.01E-08	1.06E-08	7.18E-09	2.74E-07	1.42E-07	6.03E-08	7.09E-08	2.79E-08	1.42E-07	6.03E-08
3137	482363.09	3846377.25	4.22E-04	4.32E-04	4.08E-04	1.46E-07	4.41E-07	2.55E-07	2.62E-07	2.37E-07	1.08E-07	1.02E-07	4.88E-09	1.18E-07	2.60E-08	3.55E-08	5.63E-08	9.93E-09	6.73E-09	2.57E-07	1.33E-07	5.65E-08	6.65E-08	2.61E-08	1.33E-07	5.65E-08
3138	482863.09	3846377.25	3.85E-04	3.95E-04	3.72E-04	1.33E-07	4.03E-07	2.33E-07	2.39E-07	2.16E-07	9.87E-08	9.31E-08	4.45E-09	1.08E-07	2.37E-08	3.24E-08	5.14E-08	9.06E-09	6.14E-09	2.35E-07	1.22E-07	5.16E-08	6.07E-08	2.38E-08	1.22E-07	5.16E-08
3139	483363.09	3846377.25	3.88E-04	3.98E-04	3.75E-04	1.34E-07	4.06E-07	2.35E-07	2.41E-07	2.18E-07	9.95E-08	9.39E-08	4.49E-09	1.08E-07	2.39E-08	3.27E-08	5.18E-08	9.13E-09	6.19E-09	2.37E-07	1.23E-07	5.20E-08	6.11E-08	2.40E-08	1.23E-07	5.20E-08
3140	483863.09	3846377.25	3.78E-04	3.87E-04	3.65E-04	1.31E-07	3.95E-07	2.29E-07	2.34E-07	2.12E-07	9.69E-08	9.14E-08	4.37E-09	1.05E-07	2.33E-08	3.18E-08	5.04E-08	8.89E-09	6.03E-09	2.30E-07	1.19E-07	5.06E-08	5.95E-08	2.34E-08	1.19E-07	5.06E-08
3141	484363.09	3846377.25	3.57E-04	3.66E-04	3.45E-04	1.24E-07	3.73E-07	2.16E-07	2.21E-07	2.01E-07	9.16E-08	8.64E-08	4.13E-09	9.97E-08	2.20E-08	3.01E-08	4.77E-08	8.40E-09	5.70E-09	2.18E-07	1.13E-07	4.78E-08	5.63E-08	2.21E-08	1.13E-07	4.78E-08
3142	484863.09	3846377.25	3.66E-04	3.75E-04	3.54E-04	1.27E-07	3.83E-07	2.21E-07	2.27E-07	2.06E-07	9.38E-08	8.85E-08	4.23E-09	1.02E-07	2.26E-08	3.08E-08	4.89E-08	8.61E-09	5.84E-09	2.23E-07	1.16E-07	4.90E-08	5.77E-08	2.27E-08	1.16E-07	4.90E-08
3143	485363.09	3846377.25	3.62E-04	3.70E-04	3.49E-04	1.25E-07	3.78E-07	2.19E-07	2.24E-07	2.03E-07	9.27E-08	8.74E-08	4.18E-09	1.01E-07	2.23E-08	3.04E-08	4.83E-08	8.51E-09	5.77E-09	2.20E-07	1.14E-07	4.84E-08	5.70E-08	2.24E-08	1.14E-07	4.84E-08
3144	485863.09	3846377.25	3.47E-04	3.55E-04	3.35E-04	1.20E-07	3.63E-07	2.10E-07	2.15E-07	1.95E-07	8.89E-08	8.39E-08	4.01E-09	9.68E-08	2.14E-08	2.92E-08	4.63E-08	8.16E-09	5.53E-09	2.11E-07	1.09E-07	4.64E-08	5.46E-08	2.15E-08	1.09E-07	4.64E-08
3145	486363.09	3846377.25	3.20E-04	3.28E-04	3.09E-04	1.11E-07	3.35E-07	1.94E-07	1.98E-07	1.80E-07	8.21E-08	7.74E-08	3.70E-09	8.94E-08	1.97E-08	2.69E-08	4.27E-08	7.53E-09	5.11E-09	1.95E-07	1.01E-07	4.29E-08	5.05E-08	1.98E-08	1.01E-07	4.29E-08
3146	486863.09	3846377.25	3.10E-04	3.17E-04	2.99E-04	1.07E-07	3.24E-07	1.88E-07	1.92E-07	1.74E-07	7.94E-08	7.49E-08	3.58E-09	8.65E-08	1.91E-08	2.61E-08	4.14E-08	7.29E-09	4.94E-09	1.89E-07	9.78E-08	4.15E-08	4.88E-08	1.92E-08	9.78E-08	4.15E-08
3147	487363.09	3846377.25	3.11E-04	3.19E-04	3.01E-04	1.08E-07	3.25E-07	1.88E-07	1.93E-07	1.75E-07	7.98E-08	7.53E-08	3.60E-09	8.70E-08	1.92E-08	2.62E-08	4.16E-08	7.33E-09	4.97E-09	1.90E-07	9.83E-08	4.17E-08	4.91E-08	1.93E-08	9.83E-08	4.17E-08
3148	487863.09	3846377.25	3.22E-04	3.30E-04	3.11E-04	1.11E-07	3.36E-07	1.95E-07	1.99E-07	1.81E-07	8.25E-08	7.78E-08	3.72E-09	8.98E-08	1.98E-08	2.71E-08	4.29E-08	7.57E-09	5.13E-09	1.96E-07	1.02E-07	4.31E-08	5.07E-08	1.99E-08	1.02E-07	4.31E-08
3149	488363.09	3846377.25	3.14E-04	3.22E-04	3.04E-04	1.09E-07	3.29E-07	1.90E-07	1.95E-07	1.77E-07	8.06E-08	7.60E-08	3.63E-09	8.78E-08	1.94E-08	2.65E-08	4.20E-08	7.40E-09	5.01E-09	1.92E-07	9.92E-08	4.21E-08	4.95E-08	1.95E-08	9.92E-08	4.21E-08
3150	488863.09	3846377.25	3.10E-04	3.17E-04	2.99E-04	1.07E-07	3.24E-07	1.88E-07	1.92E-07	1.74E-07	7.94E-08	7.49E-08	3.58E-09	8.65E-08	1.91E-08	2.61E-08	4.14E-08	7.29E-09	4.94E-09	1.89E-07	9.78E-08	4.15E-08	4.88E-08	1.92E-08	9.78E-08	4.15E-08

3151	489363.09	3846377.25	3.06E-04	3.13E-04	2.95E-04	1.06E-07	3.19E-07	1.85E-07	1.89E-07	1.72E-07	7.83E-08	7.39E-08	3.53E-09	8.53E-08	1.88E-08	2.57E-08	4.08E-08	7.19E-09	4.87E-09	1.86E-07	9.64E-08	4.09E-08	4.81E-08	1.89E-08	9.64E-08	4.09E-08
3152	489863.09	3846377.25	2.95E-04	3.02E-04	2.85E-04	1.02E-07	3.09E-07	1.79E-07	1.83E-07	1.66E-07	7.57E-08	7.14E-08	3.41E-09	8.24E-08	1.82E-08	2.48E-08	3.94E-08	6.94E-09	4.71E-09	1.80E-07	9.32E-08	3.95E-08	4.65E-08	1.83E-08	9.32E-08	3.95E-08
3153	490363.09	3846377.25	2.70E-04	2.77E-04	2.61E-04	9.35E-08	2.82E-07	1.63E-07	1.67E-07	1.52E-07	6.92E-08	6.53E-08	3.12E-09	7.54E-08	1.66E-08	2.27E-08	3.61E-08	6.35E-09	4.31E-09	1.65E-07	8.52E-08	3.62E-08	4.25E-08	1.67E-08	8.52E-08	3.62E-08
3154	490863.09	3846377.25	2.58E-04	2.65E-04	2.50E-04	8.94E-08	2.70E-07	1.56E-07	1.60E-07	1.45E-07	6.62E-08	6.24E-08	2.99E-09	7.21E-08	1.59E-08	2.17E-08	3.45E-08	6.08E-09	4.12E-09	1.57E-07	8.15E-08	3.46E-08	4.07E-08	1.60E-08	8.15E-08	3.46E-08
3155	491363.09	3846377.25	2.54E-04	2.60E-04	2.45E-04	8.79E-08	2.65E-07	1.54E-07	1.57E-07	1.43E-07	6.51E-08	6.14E-08	2.93E-09	7.09E-08	1.56E-08	2.14E-08	3.39E-08	5.97E-09	4.05E-09	1.55E-07	8.01E-08	3.40E-08	4.00E-08	1.57E-08	8.01E-08	3.40E-08
3156	491863.09	3846377.25	2.69E-04	2.75E-04	2.60E-04	9.30E-08	2.81E-07	1.63E-07	1.66E-07	1.51E-07	6.89E-08	6.49E-08	3.10E-09	7.50E-08	1.65E-08	2.26E-08	3.59E-08	6.32E-09	4.28E-09	1.64E-07	8.48E-08	3.60E-08	4.23E-08	1.66E-08	8.48E-08	3.60E-08
3157	492363.09	3846377.25	2.61E-04	2.68E-04	2.52E-04	9.04E-08	2.73E-07	1.58E-07	1.62E-07	1.47E-07	6.70E-08	6.32E-08	3.02E-09	7.29E-08	1.61E-08	2.20E-08	3.49E-08	6.15E-09	4.17E-09	1.59E-07	8.24E-08	3.50E-08	4.12E-08	1.62E-08	8.24E-08	3.50E-08
3158	492863.09	3846377.25	2.61E-04	2.68E-04	2.52E-04	9.04E-08	2.73E-07	1.58E-07	1.62E-07	1.47E-07	6.70E-08	6.32E-08	3.02E-09	7.29E-08	1.61E-08	2.20E-08	3.49E-08	6.15E-09	4.17E-09	1.59E-07	8.24E-08	3.50E-08	4.12E-08	1.62E-08	8.24E-08	3.50E-08
3159	493363.09	3846377.25	2.70E-04	2.77E-04	2.61E-04	9.35E-08	2.82E-07	1.63E-07	1.67E-07	1.52E-07	6.92E-08	6.53E-08	3.12E-09	7.54E-08	1.66E-08	2.27E-08	3.61E-08	6.35E-09	4.31E-09	1.65E-07	8.52E-08	3.62E-08	4.25E-08	1.67E-08	8.52E-08	3.62E-08
3160	493863.09	3846377.25	2.72E-04	2.78E-04	2.62E-04	9.40E-08	2.84E-07	1.64E-07	1.68E-07	1.53E-07	6.96E-08	6.57E-08	3.14E-09	7.58E-08	1.67E-08	2.28E-08	3.62E-08	6.39E-09	4.33E-09	1.66E-07	8.57E-08	3.64E-08	4.28E-08	1.68E-08	8.57E-08	3.64E-08
3161	494363.09	3846377.25	2.72E-04	2.78E-04	2.62E-04	9.40E-08	2.84E-07	1.64E-07	1.68E-07	1.53E-07	6.96E-08	6.57E-08	3.14E-09	7.58E-08	1.67E-08	2.28E-08	3.62E-08	6.39E-09	4.33E-09	1.66E-07	8.57E-08	3.64E-08	4.28E-08	1.68E-08	8.57E-08	3.64E-08
3162	494863.09	3846377.25	2.73E-04	2.80E-04	2.64E-04	9.45E-08	2.85E-07	1.65E-07	1.69E-07	1.53E-07	7.00E-08	6.60E-08	3.16E-09	7.62E-08	1.68E-08	2.30E-08	3.64E-08	6.42E-09	4.35E-09	1.66E-07	8.62E-08	3.66E-08	4.30E-08	1.69E-08	8.62E-08	3.66E-08
3163	495363.09	3846377.25	2.73E-04	2.80E-04	2.64E-04	9.45E-08	2.85E-07	1.65E-07	1.69E-07	1.53E-07	7.00E-08	6.60E-08	3.16E-09	7.62E-08	1.68E-08	2.30E-08	3.64E-08	6.42E-09	4.35E-09	1.66E-07	8.62E-08	3.66E-08	4.30E-08	1.69E-08	8.62E-08	3.66E-08
3164	495863.09	3846377.25	2.75E-04	2.81E-04	2.65E-04	9.50E-08	2.87E-07	1.66E-07	1.70E-07	1.54E-07	7.04E-08	6.64E-08	3.17E-09	7.66E-08	1.69E-08	2.31E-08	3.66E-08	6.46E-09	4.38E-09	1.67E-07	8.66E-08	3.68E-08	4.32E-08	1.70E-08	8.66E-08	3.68E-08
3165	496363.09	3846377.25	2.76E-04	2.83E-04	2.67E-04	9.55E-08	2.88E-07	1.67E-07	1.71E-07	1.55E-07	7.07E-08	6.67E-08	3.19E-09	7.71E-08	1.70E-08	2.32E-08	3.68E-08	6.49E-09	4.40E-09	1.68E-07	8.71E-08	3.70E-08	4.35E-08	1.71E-08	8.71E-08	3.70E-08
3166	496863.09	3846377.25	2.75E-04	2.81E-04	2.65E-04	9.50E-08	2.87E-07	1.66E-07	1.70E-07	1.54E-07	7.04E-08	6.64E-08	3.17E-09	7.66E-08	1.69E-08	2.31E-08	3.66E-08	6.46E-09	4.38E-09	1.67E-07	8.66E-08	3.68E-08	4.32E-08	1.70E-08	8.66E-08	3.68E-08
3167	497363.09	3846377.25	2.75E-04	2.81E-04	2.65E-04	9.50E-08	2.87E-07	1.66E-07	1.70E-07	1.54E-07	7.04E-08	6.64E-08	3.17E-09	7.66E-08	1.69E-08	2.31E-08	3.66E-08	6.46E-09	4.38E-09	1.67E-07	8.66E-08	3.68E-08	4.32E-08	1.70E-08	8.66E-08	3.68E-08
3168	497863.09	3846377.25	2.73E-04	2.80E-04	2.64E-04	9.45E-08	2.85E-07	1.65E-07	1.69E-07	1.53E-07	7.00E-08	6.60E-08	3.16E-09	7.62E-08	1.68E-08	2.30E-08	3.64E-08	6.42E-09	4.35E-09	1.66E-07	8.62E-08	3.66E-08	4.30E-08	1.69E-08	8.62E-08	3.66E-08
3169	498363.09	3846377.25	2.70E-04	2.77E-04	2.61E-04	9.35E-08	2.82E-07	1.63E-07	1.67E-07	1.52E-07	6.92E-08	6.53E-08	3.12E-09	7.54E-08	1.66E-08	2.27E-08	3.61E-08	6.35E-09	4.31E-09	1.65E-07	8.52E-08	3.62E-08	4.25E-08	1.67E-08	8.52E-08	3.62E-08
3170	471363.09	3846877.25	1.38E-03	1.41E-03	1.33E-03	4.76E-07	1.44E-06	8.32E-07	8.52E-07	7.73E-07	3.53E-07	3.33E-07	1.59E-08	3.84E-07	8.47E-08	1.16E-07	1.84E-07	3.24E-08	2.19E-08	8.38E-07	4.34E-07	1.84E-07	2.17E-07	8.51E-08	4.34E-07	1.84E-07
3171	471863.09	3846877.25	2.92E-03	2.99E-03	2.82E-03	1.01E-06	3.05E-06	1.77E-06	1.81E-06	1.64E-06	7.49E-07	7.07E-07	3.38E-08	8.16E-07	1.80E-07	2.46E-07	3.90E-07	6.87E-08	4.66E-08	1.78E-06	9.22E-07	3.91E-07	4.60E-07	1.81E-07	9.22E-07	3.91E-07
3172	472363.09	3846877.25	3.71E-02	3.80E-02	3.59E-02	1.29E-05	3.88E-05	2.25E-05	2.30E-05	2.09E-05	9.52E-06	8.98E-06	4.29E-07	1.04E-05	2.29E-06	3.12E-06	4.96E-06	8.73E-07	5.92E-07	2.26E-05	1.17E-05	4.97E-06	5.85E-06	2.30E-06	1.17E-05	4.97E-06
3173	472863.09	3846877.25	4.45E-03	4.55E-03	4.29E-03	1.54E-06	4.65E-06	2.69E-06	2.75E-06	2.50E-06	1.14E-06	1.07E-06	5.14E-08	1.24E-06	2.74E-07	3.74E-07	5.93E-07	1.05E-07	7.09E-08	2.71E-06	1.40E-06	5.95E-07	7.00E-07	2.75E-07	1.40E-06	5.95E-07
3174	473363.09	3846877.25	2.74E-03	2.81E-03	2.65E-03	9.50E-07	2.87E-06	1.66E-06	1.70E-06	1.54E-06	7.03E-07	6.63E-07	3.17E-08	7.66E-07	1.69E-07	2.31E-07	3.66E-07	6.45E-08	4.38E-08	1.67E-06	8.66E-07	3.67E-07	4.32E-07	1.70E-07	8.66E-07	3.67E-07
3175	473863.09	3846877.25	2.22E-03	2.27E-03	2.14E-03	7.68E-07	2.32E-06	1.34E-06	1.37E-06	1.25E-06	5.69E-07	5.36E-07	2.56E-08	6.19E-07	1.37E-07	1.87E-07	2.96E-07	5.22E-08	3.54E-08	1.35E-06	7.00E-07	2.97E-07	3.49E-07	1.37E-07	7.00E-07	2.97E-07
3176	474363.09	3846877.25	1.78E-03	1.82E-03	1.72E-03	6.16E-07	1.86E-06	1.08E-06	1.10E-06	9.99E-07	4.56E-07	4.30E-07	2.06E-08	4.97E-07	1.10E-07	1.50E-07	2.37E-07	4.18E-08	2.84E-08	1.08E-06	5.61E-07	2.38E-07	2.80E-07	1.10E-07	5.61E-07	2.38E-07
3177	474863.09	3846877.25	1.51E-03	1.54E-03	1.46E-03	5.22E-07	1.58E-06	9.13E-07	9.35E-07	8.47E-07	3.87E-07	3.65E-07	1.74E-08	4.21E-07	9.29E-08	1.27E-07	2.01E-07	3.55E-08	2.41E-08	9.19E-07	4.76E-07	2.02E-07	2.38E-07	9.33E-08	4.76E-07	2.02E-07
3178	475363.09	3846877.25	1.32E-03	1.35E-03	1.27E-03	4.55E-07	1.37E-06	7.96E-07	8.15E-07	7.39E-07	3.37E-07	3.18E-07	1.52E-08	3.67E-07	8.10E-08	1.11E-07	1.76E-07	3.09E-08	2.10E-08	8.01E-07	4.15E-07	1.76E-07	2.07E-07	8.14E-08	4.15E-07	1.76E-07
3179	475863.09	3846877.25	1.24E-03	1.27E-03	1.19E-03	4.28E-07	1.29E-06	7.48E-07	7.66E-07	6.95E-07	3.17E-07	2.99E-07	1.43E-08	3.45E-07	7.62E-08	1.04E-07	1.65E-07	2.91E-08	1.97E-08	7.54E-07	3.90E-07	1.66E-07	1.95E-07	7.65E-08	3.90E-07	1.66E-07
3180	476363.09	3846877.25	1.13E-03	1.16E-03	1.09E-03	3.92E-07	1.18E-06	6.85E-07	7.02E-07	6.36E-07	2.90E-07	2.74E-07	1.31E-08	3.16E-07	6.97E-08	9.52E-08	1.51E-07	2.66E-08	1.81E-08	6.90E-07	3.57E-07	1.52E-07	1.78E-07	7.01E-08	3.57E-07	1.52E-07
3181	476863.09	3846877.25	1.02E-03	1.05E-03	9.90E-04	3.55E-07	1.07E-06	6.20E-07	6.35E-07	5.75E-07	2.63E-07	2.48E-07	1.18E-08	2.86E-07	6.31E-08	8.62E-08	1.37E-07	2.41E-08	1.63E-08	6.24E-07	3.23E-07	1.37E-07	1.61E-07	6.34E-08	3.23E-07	1.37E-07
3182	477363.09	3846877.25	9.39E-04	9.61E-04	9.07E-04	3.25E-07	9.81E-07	5.68E-07	5.82E-07	5.27E-07	2.41E-07	2.27E-07	1.09E-08	2.62E-07	5.78E-08	7.90E-08	1.25E-07	2.21E-08	1.50E-08	5.72E-07	2.96E-07	1.26E-07	1.48E-07	5.81E-08	2.96E-07	1.26E-07
3183	477863.09	3846877.25	8.53E-04	8.74E-04	8.24E-04	2.95E-07	8.92E-07	5.16E-07	5.29E-07	4.79E-07	2.19E-07	2.06E-07	9.86E-09	2.38E-07	5.26E-08	7.18E-08	1.14E-07	2.01E-08	1.36E-08	5.20E-07	2.69E-07	1.14E-07	1.34E-07	5.28E-08	2.69E-07	1.14E-07
3184	478363.09	3846877.25	7.93E-04	8.12E-04	7.66E-04	2.74E-07	8.28E-07	4.80E-07	4.91E-07	4.45E-07	2.03E-07	1.92E-07	9.16E-09	2.21E-07	4.88E-08	6.67E-08	1.06E-07	1.86E-08	1.26E-08	4.83E-07	2.50E-07	1.06E-07	1.25E-07	4.90E-08	2.50E-07	1.06E-07
3185	478863.09	3846877.25	7.53E-04	7.71E-04	7.27E-04	2.61E-07	7.87E-07	4.55E-07	4.66E-07	4.23E-07	1.93E-07	1.82E-07	8.70E-09	2.10E-07	4.64E-08	6.33E-08	1.00E-07	1.77E-08	1.20E-08	4.59E-07	2.38E-07	1.01E-07	1.19E-07	4.66E-08	2.38E-07	1.01E-07
3186	479363.09	3846877.25	7.05E-04	7.23E-04	6.82E-04	2.44E-07	7.37E-07	4.27E-07	4.37E-07	3.96E-07	1.81E-07	1.71E-07	8.15E-09	1.97E-07	4.35E-08	5.94E-08	9.42E-08	1.66E-08	1.13E-08	4.30E-07	2.23E-07	9.45E-08	1.11E-07	4.37E-08	2.23E-07	9.45E-08
3187	479863.09	3846877.25	6.27E-04	6.42E-04	6.06E-04	2.17E-07	6.56E-07	3.80E-07	3.89E-07	3.52E-07	1.61E-07	1.52E-07	7.25E-09	1.75E-07	3.86E-08	5.28E-08	8.37E-08	1.48E-08	1.00E-08	3.82E-07	1.98E-07	8.40E-08	9.88E-08	3.88E-08	1.98E-07	8.40E-08
3188	480363.09	3846877.25	5.73E-04	5.87E-04	5.53E-04	1.98E-07	5.99E-07	3.46E-07	3.55E-07	3.22E-07	1.47E-07	1.38E-07	6.62E-09	1.60E-07	3.53E-08	4.82E-08	7.64E-08	1.35E-08	9.13E-09	3.49E-07	1.81E-07	7.67E-08	9.02E-08	3.54E-08	1.81E-07	7.67E-08
3189	480863.09	3846877.25	5.39E-04	5.52E-04	5.20E-04	1.86E-07	5.63E-07	3.26E-07	3.34E-07	3.03E-07	1.38E-07	1.30E-07	6.23E-09	1.50E-07	3.32E-08	4.53E-08	7.19E-08	1.27E-08	8.59E-09	3.28E-07	1.70E-07	7.21E-08	8.49E-08	3.33E-08	1.70E-07	7.21E-08
3190	481363.09	3846877.25	5.31E-04	5.44E-04	5.13E-04	1.84E-07	5.55E-07	3.21E-07	3.29E-07	2.98E-07	1.36E-07	1.28E-07	6.14E-09	1.48E-07	3.27E-08	4.47E-08	7.09E-08	1.25E-08	8.47E-09	3.24E-07	1.68E-07	7.11E-08	8.37E-08	3.29E-08	1.68E-07	7.11E-08
3191	481863.09	3846877.25	5.11E-04	5.23E-04	4.93E-04	1.77E-07	5.34E-07	3.09E-07	3.16E-07	2.87E-07	1.31E-07	1.23E-07	5.90E-09	1.43E-07	3.15E-08	4.30E-08	6.82E-08	1.20E-08	8.14E-09	3.11E-07	1.61E-07	6.84E-08	8.04E-08	3.16E-08	1.61E-07	6.84E-08
3192	482363.09	3846877.25	4.71E-04	4.82E-04	4.55E-04	1.63E-07	4.92E-07	2.85E-07	2.92E-07	2.64E-07	1.21E-07	1.14E-07	5.44E-09	1.31E-07	2.90E-08	3.96E-08	6.28E-08	1.11E-08	7.51E-09	2.87E-07	1.49E-07	6.30E-08	7.42E-08	2.91E-08	1.49E-07	6.30E-08
3193	482863.09	3846877.25	4.55E-04	4.66E-04	4.39E-04	1.57E-07	4.75E-07	2.75E-07	2.82E-07	2.55E-07	1.17E-07	1.10E-07	5.25E-09	1.27E-07	2.80E-08	3.82E-08	6.07E-08	1.07E-08	7.25E-09	2.77E-07	1.43E-07	6.09E-08	7.16E-08	2.81E-08	1.43E-07	6.09E-08
3194	483363.09	3846877.25	4.41E-04	4.52E-04	4.26E-04	1.53E-07	4.61E-07	2.67E-07	2.73E-07	2.48E-07	1.13E-07	1.07E-07	5.10E-09	1.23E-07	2.72E-08	3.71E-08	5.89E-08	1.04E-08	7.04E-09	2.69E-07	1.39E-07	5.91E-08	6.95E-08	2.73E-08	1.39E-07	5.91E-08
3195	483863.09	3846877.25	4.28E-04	4.38E-04	4.13E-04	1.48E-07	4.47E-07	2.59E-07	2.65E-07	2.40E-07	1.10E-07	1.03E-07	4.95E-09	1.20E-07	2.64E-08	3.60E-08	5.71E-08	1.01E-08	6.83E-09	2.61E-07	1.35E-07	5.73E-08	6.74E-08	2.65E-08	1.35E-07	5.73E-08
3196	484363.09	3846877.25	4.22E-04	4.32E-04	4.08E-04	1.46E-07	4.41E-07	2.55E-07	2.62E-07	2.37E-07	1.08E-07	1.02E-07	4.88E-09	1.18E-07	2.60E-08	3.55E-08	5.63E-08	9.93E-09	6.73E-09	2.57E-07	1.33E-07	5.65E-08	6.65E-08	2.61E-08	1.33E-07	5.65E-08
3197	484863.09	3846877.25	4.09E-04	4.19E-04	3.95E-04	1.42E-07	4.27E-07	2.47E-07	2.53E-07	2.30E-07	1.05E-07	9.88E-08	4.73E-09	1.14E-07	2.52E-08	3.44E-08	5.46E-08	9.62E-09	6.52E-09	2.49E-07	1.29E-07	5.47E-08	6.44E-08	2.53E-08	1.29E-07	5.47E-08
3198	485363.09	3846877.25	4.03E-04	4.13E-04	3.89E-04	1.39E-07	4.21E-07	2.44E-07	2.50E-07	2.26E-07	1.03E-07	9.74E-08	4.66E-09	1.13E-07	2.48E-08	3.39E-08	5.38E-08	9.48E-09	6.43E-09	2.46E-07	1.27E-07	5.40E-08	6.35E-08	2.49E-08	1.27E-07	5.40E-08
3199	485863.09	3846877.25	3.88E-04	3.98E-04	3.75E-04	1.34E-07	4.06E-07	2.35E-07	2.41E-07	2.18E-07	9.95E-08	9.39E-08	4.49E-09	1.08E-07	2.39E-08	3.27E-08	5.18E-08	9.13E-09	6.19E-09	2.37E-07	1.23E-07	5.20E-08	6.11E-08	2.40E-08	1.23E-07	5.20E-08
3200	486363.09	3846877.25	3.90E-04	3.99E-04	3.76E-04	1.35E-07	4.07E-07	2.36E-07	2.41E-07	2.19E-07	9.99E-08	9.42E-08	4.50E-09	1.09E-07	2.40E-08	3.28E-08	5.20E-08	9.17E-09	6.21E-09	2.37E-07	1.23E-07	5.22E-08	6.14E-08	2.41E-08	1.23E-07	5.22E-08
3201	486863.09	3846877.25	3.60E-04	3.69E-04	3.48E-04	1.25E-07	3.76E-07	2.18E-07	2.23E-07	2.02E-07	9.23E-08	8.71E-08	4.16E-09	1.01E-07	2.22E-08	3.03E-08	4.81E-08	8.47E-09	5.74E-09	2.19E-07	1.14E-07	4.82E-08	5.67E-08	2.23E-08	1.14E-07	4.82E-08
3202	487363.09	3846877.25	3.59E-04	3.67E-04	3.46E-04	1.24E-07	3.75E-07	2.17E-07	2.22E-07	2.01E-07	9.19E-08	8.67E-08	4.15E-09	1.00E-07	2.21E-08	3.02E-08	4.79E-08	8.44E-09	5.72E-09	2.19E-07	1.13E-07	4.80E-08	5.65E-08	2.22E-08	1.13E-07	4.80E-08
3203	487863.09	3846877.25	3.53E-04	3.61E-04	3.41E-04	1.22E-07	3.69E-07	2.13E-07	2.19E-07	1.98E-07	9.04E-08	8.53E-08	4.08E-09	9.85E-08	2.17E-08	2.97E-08	4.71E-08	8.30E-09	5.63E-09	2.15E-07	1.11E-07	4.72E-08	5.56E-08	2.18E-08	1.11E-07	4.72E-08
3204	488363.09	3846877.25	3.42E-04	3.51E-04	3.31E-04	1.19E-07	3.58E-07	2.07E-07	2.12E-07	1.92E-07	8.78E-08	8.28E-08	3.96E-09	9.56E-08	2.11E-08	2.88E-08	4.57E-08	8.05E-09	5.46E-09	2.09E-07	1.08E-07	4.59E-08	5.39E-08	2.12E-08	1.08E-07	4.59E-08
3205	488863.09	3846877.25	3.38E-04	3.46E-04	3.27E-04	1.17E-07	3.53E-07	2.04E-07	2.09E-07	1.90E-07	8.66E-08	8.17E-08	3.91E-09	9.44E-08	2.08E-08	2.84E-08	4.51E-08	7.95E-09	5.39E-09	2.06E-07	1.07E-07	4.53E-08	5.32E-08	2.09E-08	1.07E-07	4.53E-08
3206	489363.09	3846877.25	3.34E-04	3.42E-04	3.22E-04	1.15E-07	3.49E-07	2.02E-07	2.07E-07	1.87E-07	8.55E-08	8.06E-08	3.86E-09	9.31E-08	2.06E-08	2.81E-08	4.45E-08	7.85E-09	5.32E-09	2.03E-07	1.05E-07	4.47E-08	5.25E-08	2.06E-08	1.05E-07	4.47E-08
3207	489863.09	3846877.25	3.22E-04	3.30E-04	3.11E-04	1.11E-07	3.36E-07	1.95E-07	1.99E-07	1.81E-07	8.25E-08	7.78E-08	3.72E-09	8.98E-08	1.98E-08	2.71E-08	4.29E-08	7.57E-09	5.13E-09	1.96E-07	1.02E-07	4.31E-08	5.07E-08	1.99E-08	1.02E-07	4.31E-08
3208	490363.09	3846877.25	3.00E-04	3.07E-04	2.89E-04	1.04E-07	3.13E-07	1.81E-07	1.86E-07	1.68E-07	7.68E-08	7.24E-08	3.46E-09	8.37E-08	1.85E-08	2.52E-08	4.00E-08	7.05E-09	4.78E-09	1.83E-07	9.46E-08	4.01E-08	4.72E-08	1.85E-08	9.46E-08	4.01E-08
3209	490863.09	3846877.25	2.89E-04	2.96E-04	2.79E-04	1.00E-07	3.02E-07	1.75E-07	1.79E-07	1.63E-07	7.42E-08	6.99E-08	3.34E-09	8.08E-08	1.78E-08	2.43E-08	3.86E-08	6.80E-09	4.61E-09	1.76E-07	9.13E-08	3.87E-08	4.56E-08	1.79E-08	9.13E-08	3.87E-08
3210	491363.09	3846877.25	2.86E-04	2.93E-04	2.77E-04	9.91E-08	2.99E-07	1.73E-07	1.77E-07	1.61E-07	7.34E-08	6.92E-08	3.31E-09	7.99E-08	1.76E-08	2.41E-08	3.82E-08	6.74E-09	4.57E-09	1.75E-07	9.04E-08	3.83E-08	4.51E-08	1.77E-08	9.04E-08	3.83E-08
3211	491863.09	3846877.25	2.76E-04	2.83E-04	2.67E-04	9.55E-08	2.88E-07	1.67E-07	1.71E-07	1.55E-07	7.07E-08	6.67E-08	3.19E-09	7.71E-08	1.70E-08	2.32E-08	3.68E-08	6.49E-09	4.40E-09	1.68E-07	8.71E-08	3.70E-08	4.35E-08	1.71E-08	8.71E-08	3.70E-08
3212	492363.09	3846877.25	2.89E-04	2.96E-04	2.79E-04	1.00E-07	3.02E-07	1.75E-07	1.79E-07	1.63E-07	7.42E-08	6.99E-08	3.34E-09	8.08E-08	1.78E-08	2.43E-08	3.86E-08	6.80E-09	4.61E-09	1.76E-07	9.13E-08	3.87E-08	4.56E-08	1.79E-08	9.13E-08	3.87E-08
3213	492863.09	3846877.25	2.88E-04	2.95E-04	2.78E-04	9.96E-08	3.01E-07	1.74E-07	1.78E-07	1.62E-07	7.38E-08	6.96E-08	3.33E-09	8.04E-08	1.77E-08	2.42E-08	3.84E-08	6.77E-09	4.59E-09	1.75E-07	9.08E-08	3.85E-08	4.53E-08	1.78E-08	9.08E-08	3.85E-08
3214	493363.09	3846877.25	2.88E-04	2.95E-04	2.78E-04	9.96E-08	3.01E-07	1.74E-07	1.78E-07	1.62E-07	7.38E-08	6.96E-08	3.33E-09	8.04E-08	1.77E-08	2.42E-08	3.84E-08	6.77E-09	4.59E-09	1.75E-07	9.08E-08	3.85E-08	4.53E-08	1.78E-08	9.08E-08	3.85E-08
3215	493863.09	3846877.25	2.88E-04	2.95E-04	2.78E-04	9.96E-08	3.01E-07	1.74E-07	1.78E-07	1.62E-07	7.38E-08	6.96E-08	3.33E-09	8.04E-08	1.77E-08	2.42E-08	3.84E-08	6.77E-09	4.59E-09	1.75E-07	9.08E-08	3.85E-08	4.53E-08	1.78E-08	9.08E-08	3.85E-08
3216	494363.09	3846877.25	2.86E-04	2.93E-04	2.77E-04	9.91E-08	2.99E-07	1.73E-07	1.77E-07	1.61E-07	7.34E-08	6.92E-08	3.31E-09	7.99E-08	1.76E-08	2.41E-08	3.82E-08	6.74E-09	4.57E-09	1.75E-07	9.04E-08	3.83E-08	4.51E-08	1.77E-08	9.04E-08	3.83E-08
3217	494863.09	3846877.25	2.85E-04	2.92E-04	2.75E-04	9.86E-08	2.98E-07	1.72E-07	1.77E-07	1.60E-07	7.30E-08	6.89E-08	3.29E-09	7.95E-08	1.76E-08	2.40E-08	3.80E-08	6.70E-09	4.54E-09	1.74E-07	8.99E-08	3.81E-08	4.49E-08	1.76E-08	8.99E-08	3.81E-08
3218	495363.09	3846877.25	2.83E-04	2.90E-04	2.74E-04	9.81E-08	2.96E-07	1.71E-07	1.76E-07	1.59E-07	7.26E-08	6.85E-08	3.28E-09	7.91E-08	1.75E-08	2.38E-08	3.78E-08	6.67E-09	4.52E-09	1.73E-07	8.94E-08	3.79E-08	4.46E-08	1.75E-08	8.94E-08	3.79E-08
3219	495863.09	3846877.25	2.82E-04	2.89E-04	2.72E-04	9.76E-08	2.95E-07	1.71E-07	1.75E-07	1.58E-07	7.23E-08	6.82E-08	3.26E-09	7.87E-08	1.74E-08	2.37E-08	3.76E-08	6.63E-09	4.50E-09	1.72E-07	8.90E-08	3.77E-08	4.44E-08	1.74E-08	8.90E-08	3.77E-08
3220	496363.09	3846877.25	2.82E-04	2.89E-04	2.72E-04	9.76E-08	2.95E-07	1.71E-07	1.75E-07	1.58E-07	7.23E-08	6.82E-08	3.26E-09	7.87E-08	1.74E-08	2.37E-08	3.76E-08	6.63E-09	4.50E-09	1.72E-07	8.90E-08	3.77E-08	4.44E-08	1.74E-08	8.90E-08	3.77E-08
3221	496863.09	3846877.25	2.83E-04	2.90E-04	2.74E-04	9.81E-08	2.96E-07	1.71E-07	1.76E-07	1.59E-07	7.26E-08	6.85E-08	3.28E-09	7.91E-08	1.75E-08	2.38E-08	3.78E-08	6.67E-09	4.52E-09	1.73E-07	8.94E-08	3.79E-08	4.46E-08	1.75E-08	8.94E-08	3.79E-08
3222	497363.09	3846877.25	2.85E-04	2.92E-04	2.75E-04	9.86E-08	2.98E-07	1.72E-07	1.77E-07	1.60E-07	7.30E-08	6.89E-08	3.29E-09	7.95E-08	1.76E-08	2.40E-08	3.80E-08	6.70E-09	4.54E-09	1.74E-07	8.99E-08	3.81E-08	4.49E-08	1.76E-08	8.99E-08	3.81E-08
3223	497863.09	3846877.25	2.86E-04	2.93E-04	2.77E-04	9.91E-08	2.99E-07	1.73E-07	1.77E-07	1.61E-07	7.34E-08	6.92E-08	3.31E-09	7.99E-08	1.76E-08	2.41E-08	3.82E-08	6.74E-09	4.57E-09	1.75E-07	9.04E-08	3.83E-08	4.51E-08	1.77E-08	9.04E-08	3.83E-08
3224	498363.09	3846877.25	2.82E-04	2.89E-04	2.72E-04	9.76E-08	2.95E-07	1.71E-07	1.75E-07	1.58E-07	7.23E-08	6.82E-08	3.26E-09	7.87E-08	1.74E-08	2.37E-08	3.76E-08	6.63E-09	4.50E-09	1.72E-07	8.90E-08	3.77E-08	4.44E-08	1.74E-08	8.90E-08	3.77E-08
3225	471363.09	3847377.25	8.90E-04	9.12E-04	8.60E-04	3.08E-07	9.30E-07	5.38E-07	5.52E-07	5.00E-07	2.28E-07	2.15E-07	1.03E-08	2.48E-07	5.48E-08	7.49E-08	1.19E-07	2.09E-08	1.42E-08	5.42E-07	2.81E-07	1.19E-07	1.40E-07	5.51E-08	2.81E-07	1.19E-07
3226	471863.09	3847377.25	1.21E-03	1.24E-03	1.17E-03	4.20E-07	1.27E-06	7.35E-07	7.53E-07	6.82E-07	3.11E-07	2.94E-07	1.40E-08	3.39E-07	7.48E-08	1.02E-07	1.62E-07	2.86E-08	1.94E-08	7.40E-07	3.83E-07	1.63E-07	1.91E-07	7.52E-08	3.83E-07	1.63E-07
3227	472363.09	3847377.25	2.09E-03	2.14E-03	2.02E-03	7.24E-07	2.19E-06	1.27E-06	1.30E-06	1.18E-06	5.36E-07	5.06E-07	2.42E-08	5.84E-07	1.29E-07	1.76E-07	2.79E-07	4.92E-08	3.34E-08	1.28E-06	6.61E-07	2.80E-07	3.30E-07	1.30E-07	6.61E-07	2.80E-07

3228	472863.09	3847377.25	9.38E-03	9.61E-03	9.06E-03	3.25E-06	9.80E-06	5.68E-06	5.81E-06	5.27E-06	2.40E-06	2.27E-06	1.08E-07	2.62E-06	5.78E-07	7.89E-07	1.25E-06	2.21E-07	1.50E-07	5.72E-06	2.96E-06	1.26E-06	1.48E-06	5.80E-07	2.96E-06	1.26E-06
3229	473363.09	3847377.25	8.63E-03	8.84E-03	8.34E-03	2.99E-06	9.02E-06	5.22E-06	5.35E-06	4.85E-06	2.21E-06	2.09E-06	9.98E-08	2.41E-06	5.32E-07	7.26E-07	1.15E-06	2.03E-07	1.38E-07	5.26E-06	2.72E-06	1.16E-06	1.36E-06	5.34E-07	2.72E-06	1.16E-06
3230	473863.09	3847377.25	4.06E-03	4.16E-03	3.92E-03	1.40E-06	4.24E-06	2.46E-06	2.52E-06	2.28E-06	1.04E-06	9.81E-07	4.69E-08	1.13E-06	2.50E-07	3.41E-07	5.42E-07	9.55E-08	6.47E-08	2.47E-06	1.28E-06	5.44E-07	6.39E-07	2.51E-07	1.28E-06	5.44E-07
3231	474363.09	3847377.25	2.98E-03	3.05E-03	2.88E-03	1.03E-06	3.11E-06	1.80E-06	1.84E-06	1.67E-06	7.63E-07	7.20E-07	3.44E-08	8.31E-07	1.83E-07	2.50E-07	3.97E-07	7.00E-08	4.75E-08	1.81E-06	9.40E-07	3.99E-07	4.69E-07	1.84E-07	9.40E-07	3.99E-07
3232	474863.09	3847377.25	2.20E-03	2.25E-03	2.13E-03	7.62E-07	2.30E-06	1.33E-06	1.36E-06	1.24E-06	5.64E-07	5.32E-07	2.54E-08	6.14E-07	1.36E-07	1.85E-07	2.94E-07	5.18E-08	3.51E-08	1.34E-06	6.95E-07	2.95E-07	3.47E-07	1.36E-07	6.95E-07	2.95E-07
3233	475363.09	3847377.25	1.75E-03	1.79E-03	1.69E-03	6.06E-07	1.83E-06	1.06E-06	1.08E-06	9.83E-07	4.49E-07	4.23E-07	2.02E-08	4.89E-07	1.08E-07	1.47E-07	2.34E-07	4.12E-08	2.79E-08	1.07E-06	5.52E-07	2.34E-07	2.76E-07	1.08E-07	5.52E-07	2.34E-07
3234	475863.09	3847377.25	1.61E-03	1.65E-03	1.55E-03	5.56E-07	1.68E-06	9.72E-07	9.96E-07	9.03E-07	4.12E-07	3.89E-07	1.86E-08	4.49E-07	9.90E-08	1.35E-07	2.15E-07	3.78E-08	2.56E-08	9.80E-07	5.07E-07	2.15E-07	2.53E-07	9.95E-08	5.07E-07	2.15E-07
3235	476363.09	3847377.25	1.47E-03	1.51E-03	1.42E-03	5.09E-07	1.54E-06	8.89E-07	9.11E-07	8.26E-07	3.77E-07	3.55E-07	1.70E-08	4.10E-07	9.06E-08	1.24E-07	1.96E-07	3.46E-08	2.34E-08	8.96E-07	4.64E-07	1.97E-07	2.32E-07	9.10E-08	4.64E-07	1.97E-07
3236	476863.09	3847377.25	1.29E-03	1.32E-03	1.24E-03	4.46E-07	1.35E-06	7.79E-07	7.98E-07	7.23E-07	3.30E-07	3.11E-07	1.49E-08	3.59E-07	7.93E-08	1.08E-07	1.72E-07	3.03E-08	2.05E-08	7.84E-07	4.06E-07	1.72E-07	2.03E-07	7.96E-08	4.06E-07	1.72E-07
3237	477363.09	3847377.25	1.16E-03	1.19E-03	1.12E-03	4.03E-07	1.22E-06	7.05E-07	7.22E-07	6.54E-07	2.98E-07	2.82E-07	1.35E-08	3.25E-07	7.17E-08	9.80E-08	1.55E-07	2.74E-08	1.86E-08	7.10E-07	3.68E-07	1.56E-07	1.83E-07	7.21E-08	3.68E-07	1.56E-07
3238	477863.09	3847377.25	1.05E-03	1.08E-03	1.02E-03	3.64E-07	1.10E-06	6.36E-07	6.51E-07	5.90E-07	2.69E-07	2.54E-07	1.21E-08	2.93E-07	6.47E-08	8.84E-08	1.40E-07	2.47E-08	1.68E-08	6.40E-07	3.32E-07	1.41E-07	1.66E-07	6.50E-08	3.32E-07	1.41E-07
3239	478363.09	3847377.25	9.62E-04	9.86E-04	9.30E-04	3.33E-07	1.01E-06	5.82E-07	5.96E-07	5.41E-07	2.47E-07	2.33E-07	1.11E-08	2.69E-07	5.93E-08	8.10E-08	1.28E-07	2.26E-08	1.53E-08	5.86E-07	3.04E-07	1.29E-07	1.52E-07	5.96E-08	3.04E-07	1.29E-07
3240	478863.09	3847377.25	9.05E-04	9.27E-04	8.74E-04	3.13E-07	9.46E-07	5.47E-07	5.61E-07	5.08E-07	2.32E-07	2.19E-07	1.05E-08	2.53E-07	5.57E-08	7.61E-08	1.21E-07	2.13E-08	1.44E-08	5.51E-07	2.86E-07	1.21E-07	1.43E-07	5.60E-08	2.86E-07	1.21E-07
3241	479363.09	3847377.25	8.03E-04	8.22E-04	7.76E-04	2.78E-07	8.39E-07	4.86E-07	4.98E-07	4.51E-07	2.06E-07	1.94E-07	9.28E-09	2.24E-07	4.95E-08	6.76E-08	1.07E-07	1.89E-08	1.28E-08	4.89E-07	2.53E-07	1.08E-07	1.26E-07	4.97E-08	2.53E-07	1.08E-07
3242	479863.09	3847377.25	6.88E-04	7.04E-04	6.64E-04	2.38E-07	7.19E-07	4.16E-07	4.26E-07	3.86E-07	1.76E-07	1.66E-07	7.95E-09	1.92E-07	4.24E-08	5.79E-08	9.18E-08	1.62E-08	1.10E-08	4.19E-07	2.17E-07	9.21E-08	1.08E-07	4.26E-08	2.17E-07	9.21E-08
3243	480363.09	3847377.25	5.81E-04	5.96E-04	5.62E-04	2.01E-07	6.08E-07	3.52E-07	3.60E-07	3.27E-07	1.49E-07	1.41E-07	6.72E-09	1.62E-07	3.58E-08	4.89E-08	7.76E-08	1.37E-08	9.27E-09	3.54E-07	1.84E-07	7.79E-08	9.16E-08	3.60E-08	1.84E-07	7.79E-08
3244	480863.09	3847377.25	5.39E-04	5.52E-04	5.20E-04	1.86E-07	5.63E-07	3.26E-07	3.34E-07	3.03E-07	1.38E-07	1.30E-07	6.23E-09	1.50E-07	3.32E-08	4.53E-08	7.19E-08	1.27E-08	8.59E-09	3.28E-07	1.70E-07	7.21E-08	8.49E-08	3.33E-08	1.70E-07	7.21E-08
3245	481363.09	3847377.25	5.46E-04	5.59E-04	5.28E-04	1.89E-07	5.71E-07	3.30E-07	3.38E-07	3.07E-07	1.40E-07	1.32E-07	6.31E-09	1.52E-07	3.36E-08	4.59E-08	7.29E-08	1.28E-08	8.71E-09	3.33E-07	1.72E-07	7.31E-08	8.60E-08	3.38E-08	1.72E-07	7.31E-08
3246	481863.09	3847377.25	5.77E-04	5.91E-04	5.58E-04	2.00E-07	6.03E-07	3.49E-07	3.58E-07	3.24E-07	1.48E-07	1.40E-07	6.67E-09	1.61E-07	3.56E-08	4.86E-08	7.70E-08	1.36E-08	9.20E-09	3.52E-07	1.82E-07	7.73E-08	9.09E-08	3.57E-08	1.82E-07	7.73E-08
3247	482363.09	3847377.25	5.55E-04	5.68E-04	5.36E-04	1.92E-07	5.80E-07	3.36E-07	3.44E-07	3.12E-07	1.42E-07	1.34E-07	6.41E-09	1.55E-07	3.42E-08	4.67E-08	7.41E-08	1.31E-08	8.85E-09	3.38E-07	1.75E-07	7.43E-08	8.74E-08	3.43E-08	1.75E-07	7.43E-08
3248	482863.09	3847377.25	5.25E-04	5.38E-04	5.08E-04	1.82E-07	5.49E-07	3.18E-07	3.26E-07	2.95E-07	1.35E-07	1.27E-07	6.07E-09	1.47E-07	3.24E-08	4.42E-08	7.01E-08	1.24E-08	8.38E-09	3.20E-07	1.66E-07	7.04E-08	8.28E-08	3.25E-08	1.66E-07	7.04E-08
3249	483363.09	3847377.25	4.99E-04	5.11E-04	4.82E-04	1.73E-07	5.21E-07	3.02E-07	3.09E-07	2.80E-07	1.28E-07	1.21E-07	5.77E-09	1.39E-07	3.07E-08	4.20E-08	6.66E-08	1.17E-08	7.96E-09	3.04E-07	1.57E-07	6.68E-08	7.86E-08	3.09E-08	1.57E-07	6.68E-08
3250	483863.09	3847377.25	4.86E-04	4.97E-04	4.69E-04	1.68E-07	5.08E-07	2.94E-07	3.01E-07	2.73E-07	1.24E-07	1.17E-07	5.61E-09	1.36E-07	2.99E-08	4.09E-08	6.48E-08	1.14E-08	7.74E-09	2.96E-07	1.53E-07	6.50E-08	7.65E-08	3.01E-08	1.53E-07	6.50E-08
3251	484363.09	3847377.25	4.84E-04	4.96E-04	4.68E-04	1.68E-07	5.06E-07	2.93E-07	3.00E-07	2.72E-07	1.24E-07	1.17E-07	5.60E-09	1.35E-07	2.98E-08	4.07E-08	6.46E-08	1.14E-08	7.72E-09	2.95E-07	1.53E-07	6.48E-08	7.63E-08	3.00E-08	1.53E-07	6.48E-08
3252	484863.09	3847377.25	4.66E-04	4.78E-04	4.51E-04	1.61E-07	4.87E-07	2.82E-07	2.89E-07	2.62E-07	1.20E-07	1.13E-07	5.39E-09	1.30E-07	2.87E-08	3.92E-08	6.23E-08	1.10E-08	7.44E-09	2.84E-07	1.47E-07	6.25E-08	7.35E-08	2.89E-08	1.47E-07	6.25E-08
3253	485363.09	3847377.25	4.55E-04	4.66E-04	4.39E-04	1.57E-07	4.75E-07	2.75E-07	2.82E-07	2.55E-07	1.17E-07	1.10E-07	5.25E-09	1.27E-07	2.80E-08	3.82E-08	6.07E-08	1.07E-08	7.25E-09	2.77E-07	1.43E-07	6.09E-08	7.16E-08	2.81E-08	1.43E-07	6.09E-08
3254	485863.09	3847377.25	4.47E-04	4.58E-04	4.32E-04	1.55E-07	4.67E-07	2.71E-07	2.77E-07	2.51E-07	1.15E-07	1.08E-07	5.17E-09	1.25E-07	2.76E-08	3.76E-08	5.97E-08	1.05E-08	7.13E-09	2.73E-07	1.41E-07	5.99E-08	7.04E-08	2.77E-08	1.41E-07	5.99E-08
3255	486363.09	3847377.25	4.41E-04	4.52E-04	4.26E-04	1.53E-07	4.61E-07	2.67E-07	2.73E-07	2.48E-07	1.13E-07	1.07E-07	5.10E-09	1.23E-07	2.72E-08	3.71E-08	5.89E-08	1.04E-08	7.04E-09	2.69E-07	1.39E-07	5.91E-08	6.95E-08	2.73E-08	1.39E-07	5.91E-08
3256	486863.09	3847377.25	4.12E-04	4.22E-04	3.98E-04	1.43E-07	4.30E-07	2.49E-07	2.55E-07	2.31E-07	1.06E-07	9.96E-08	4.76E-09	1.15E-07	2.54E-08	3.46E-08	5.50E-08	9.69E-09	6.57E-09	2.51E-07	1.30E-07	5.51E-08	6.49E-08	2.55E-08	1.30E-07	5.51E-08
3257	487363.09	3847377.25	4.07E-04	4.17E-04	3.94E-04	1.41E-07	4.26E-07	2.46E-07	2.52E-07	2.29E-07	1.04E-07	9.85E-08	4.71E-09	1.14E-07	2.51E-08	3.43E-08	5.44E-08	9.58E-09	6.50E-09	2.48E-07	1.29E-07	5.45E-08	6.42E-08	2.52E-08	1.29E-07	5.45E-08
3258	487863.09	3847377.25	3.88E-04	3.98E-04	3.75E-04	1.34E-07	4.06E-07	2.35E-07	2.41E-07	2.18E-07	9.95E-08	9.39E-08	4.49E-09	1.08E-07	2.39E-08	3.27E-08	5.18E-08	9.13E-09	6.19E-09	2.37E-07	1.23E-07	5.20E-08	6.11E-08	2.40E-08	1.23E-07	5.20E-08
3259	488363.09	3847377.25	3.78E-04	3.87E-04	3.65E-04	1.31E-07	3.95E-07	2.29E-07	2.34E-07	2.12E-07	9.69E-08	9.14E-08	4.37E-09	1.05E-07	2.33E-08	3.18E-08	5.04E-08	8.89E-09	6.03E-09	2.30E-07	1.19E-07	5.06E-08	5.95E-08	2.34E-08	1.19E-07	5.06E-08
3260	488863.09	3847377.25	3.70E-04	3.79E-04	3.58E-04	1.28E-07	3.87E-07	2.24E-07	2.30E-07	2.08E-07	9.50E-08	8.96E-08	4.28E-09	1.03E-07	2.28E-08	3.12E-08	4.94E-08	8.71E-09	5.91E-09	2.26E-07	1.17E-07	4.96E-08	5.84E-08	2.29E-08	1.17E-07	4.96E-08
3261	489363.09	3847377.25	3.63E-04	3.72E-04	3.51E-04	1.26E-07	3.79E-07	2.20E-07	2.25E-07	2.04E-07	9.31E-08	8.78E-08	4.20E-09	1.01E-07	2.24E-08	3.05E-08	4.85E-08	8.54E-09	5.79E-09	2.21E-07	1.15E-07	4.86E-08	5.72E-08	2.25E-08	1.15E-07	4.86E-08
3262	489863.09	3847377.25	3.47E-04	3.55E-04	3.35E-04	1.20E-07	3.63E-07	2.10E-07	2.15E-07	1.95E-07	8.89E-08	8.39E-08	4.01E-09	9.68E-08	2.14E-08	2.92E-08	4.63E-08	8.16E-09	5.53E-09	2.11E-07	1.09E-07	4.64E-08	5.46E-08	2.15E-08	1.09E-07	4.64E-08
3263	490363.09	3847377.25	3.31E-04	3.39E-04	3.19E-04	1.14E-07	3.46E-07	2.00E-07	2.05E-07	1.86E-07	8.47E-08	7.99E-08	3.82E-09	9.23E-08	2.04E-08	2.78E-08	4.41E-08	7.78E-09	5.27E-09	2.01E-07	1.04E-07	4.43E-08	5.21E-08	2.05E-08	1.04E-07	4.43E-08
3264	490863.09	3847377.25	3.23E-04	3.31E-04	3.12E-04	1.12E-07	3.38E-07	1.96E-07	2.00E-07	1.82E-07	8.29E-08	7.82E-08	3.74E-09	9.02E-08	1.99E-08	2.72E-08	4.31E-08	7.60E-09	5.15E-09	1.97E-07	1.02E-07	4.33E-08	5.09E-08	2.00E-08	1.02E-07	4.33E-08
3265	491363.09	3847377.25	3.16E-04	3.23E-04	3.05E-04	1.09E-07	3.30E-07	1.91E-07	1.96E-07	1.77E-07	8.10E-08	7.64E-08	3.65E-09	8.82E-08	1.95E-08	2.66E-08	4.22E-08	7.43E-09	5.04E-09	1.92E-07	9.97E-08	4.23E-08	4.98E-08	1.95E-08	9.97E-08	4.23E-08
3266	491863.09	3847377.25	3.19E-04	3.27E-04	3.08E-04	1.10E-07	3.33E-07	1.93E-07	1.98E-07	1.79E-07	8.17E-08	7.71E-08	3.69E-09	8.90E-08	1.96E-08	2.68E-08	4.26E-08	7.50E-09	5.08E-09	1.94E-07	1.01E-07	4.27E-08	5.02E-08	1.97E-08	1.01E-07	4.27E-08
3267	492363.09	3847377.25	3.10E-04	3.17E-04	2.99E-04	1.07E-07	3.24E-07	1.88E-07	1.92E-07	1.74E-07	7.94E-08	7.49E-08	3.58E-09	8.65E-08	1.91E-08	2.61E-08	4.14E-08	7.29E-09	4.94E-09	1.89E-07	9.78E-08	4.15E-08	4.88E-08	1.92E-08	9.78E-08	4.15E-08
3268	492863.09	3847377.25	3.10E-04	3.17E-04	2.99E-04	1.07E-07	3.24E-07	1.88E-07	1.92E-07	1.74E-07	7.94E-08	7.49E-08	3.58E-09	8.65E-08	1.91E-08	2.61E-08	4.14E-08	7.29E-09	4.94E-09	1.89E-07	9.78E-08	4.15E-08	4.88E-08	1.92E-08	9.78E-08	4.15E-08
3269	493363.09	3847377.25	3.07E-04	3.14E-04	2.97E-04	1.06E-07	3.21E-07	1.86E-07	1.90E-07	1.72E-07	7.87E-08	7.42E-08	3.55E-09	8.57E-08	1.89E-08	2.58E-08	4.10E-08	7.22E-09	4.90E-09	1.87E-07	9.69E-08	4.11E-08	4.84E-08	1.90E-08	9.69E-08	4.11E-08
3270	493863.09	3847377.25	3.00E-04	3.07E-04	2.89E-04	1.04E-07	3.13E-07	1.81E-07	1.86E-07	1.68E-07	7.68E-08	7.24E-08	3.46E-09	8.37E-08	1.85E-08	2.52E-08	4.00E-08	7.05E-09	4.78E-09	1.83E-07	9.46E-08	4.01E-08	4.72E-08	1.85E-08	9.46E-08	4.01E-08
3271	494363.09	3847377.25	2.94E-04	3.01E-04	2.84E-04	1.02E-07	3.07E-07	1.78E-07	1.82E-07	1.65E-07	7.53E-08	7.10E-08	3.39E-09	8.20E-08	1.81E-08	2.47E-08	3.92E-08	6.91E-09	4.68E-09	1.79E-07	9.27E-08	3.93E-08	4.63E-08	1.82E-08	9.27E-08	3.93E-08
3272	494863.09	3847377.25	2.89E-04	2.96E-04	2.79E-04	1.00E-07	3.02E-07	1.75E-07	1.79E-07	1.63E-07	7.42E-08	6.99E-08	3.34E-09	8.08E-08	1.78E-08	2.43E-08	3.86E-08	6.80E-09	4.61E-09	1.76E-07	9.13E-08	3.87E-08	4.56E-08	1.79E-08	9.13E-08	3.87E-08
3273	495363.09	3847377.25	2.86E-04	2.93E-04	2.77E-04	9.91E-08	2.99E-07	1.73E-07	1.77E-07	1.61E-07	7.34E-08	6.92E-08	3.31E-09	7.99E-08	1.76E-08	2.41E-08	3.82E-08	6.74E-09	4.57E-09	1.75E-07	9.04E-08	3.83E-08	4.51E-08	1.77E-08	9.04E-08	3.83E-08
3274	495863.09	3847377.25	2.85E-04	2.92E-04	2.75E-04	9.86E-08	2.98E-07	1.72E-07	1.77E-07	1.60E-07	7.30E-08	6.89E-08	3.29E-09	7.95E-08	1.76E-08	2.40E-08	3.80E-08	6.70E-09	4.54E-09	1.74E-07	8.99E-08	3.81E-08	4.49E-08	1.76E-08	8.99E-08	3.81E-08
3275	496363.09	3847377.25	2.83E-04	2.90E-04	2.74E-04	9.81E-08	2.96E-07	1.71E-07	1.76E-07	1.59E-07	7.26E-08	6.85E-08	3.28E-09	7.91E-08	1.75E-08	2.38E-08	3.78E-08	6.67E-09	4.52E-09	1.73E-07	8.94E-08	3.79E-08	4.46E-08	1.75E-08	8.94E-08	3.79E-08
3276	496863.09	3847377.25	2.86E-04	2.93E-04	2.77E-04	9.91E-08	2.99E-07	1.73E-07	1.77E-07	1.61E-07	7.34E-08	6.92E-08	3.31E-09	7.99E-08	1.76E-08	2.41E-08	3.82E-08	6.74E-09	4.57E-09	1.75E-07	9.04E-08	3.83E-08	4.51E-08	1.77E-08	9.04E-08	3.83E-08
3277	497363.09	3847377.25	2.89E-04	2.96E-04	2.79E-04	1.00E-07	3.02E-07	1.75E-07	1.79E-07	1.63E-07	7.42E-08	6.99E-08	3.34E-09	8.08E-08	1.78E-08	2.43E-08	3.86E-08	6.80E-09	4.61E-09	1.76E-07	9.13E-08	3.87E-08	4.56E-08	1.79E-08	9.13E-08	3.87E-08
3278	497863.09	3847377.25	2.95E-04	3.02E-04	2.85E-04	1.02E-07	3.09E-07	1.79E-07	1.83E-07	1.66E-07	7.57E-08	7.14E-08	3.41E-09	8.24E-08	1.82E-08	2.48E-08	3.94E-08	6.94E-09	4.71E-09	1.80E-07	9.32E-08	3.95E-08	4.65E-08	1.83E-08	9.32E-08	3.95E-08
3279	498363.09	3847377.25	2.94E-04	3.01E-04	2.84E-04	1.02E-07	3.07E-07	1.78E-07	1.82E-07	1.65E-07	7.53E-08	7.10E-08	3.39E-09	8.20E-08	1.81E-08	2.47E-08	3.92E-08	6.91E-09	4.68E-09	1.79E-07	9.27E-08	3.93E-08	4.63E-08	1.82E-08	9.27E-08	3.93E-08
3280	471363.09	3847877.25	7.03E-04	7.20E-04	6.79E-04	2.43E-07	7.34E-07	4.25E-07	4.35E-07	3.95E-07	1.80E-07	1.70E-07	8.12E-09	1.96E-07	4.33E-08	5.91E-08	9.38E-08	1.65E-08	1.12E-08	4.28E-07	2.22E-07	9.41E-08	1.11E-07	4.35E-08	2.22E-07	9.41E-08
3281	471863.09	3847877.25	8.50E-04	8.71E-04	8.21E-04	2.94E-07	8.89E-07	5.14E-07	5.27E-07	4.78E-07	2.18E-07	2.06E-07	9.83E-09	2.37E-07	5.24E-08	7.15E-08	1.13E-07	2.00E-08	1.36E-08	5.18E-07	2.68E-07	1.14E-07	1.34E-07	5.26E-08	2.68E-07	1.14E-07
3282	472363.09	3847877.25	1.11E-03	1.14E-03	1.08E-03	3.86E-07	1.16E-06	6.74E-07	6.91E-07	6.26E-07	2.86E-07	2.69E-07	1.29E-08	3.11E-07	6.87E-08	9.38E-08	1.49E-07	2.62E-08	1.78E-08	6.79E-07	3.52E-07	1.49E-07	1.76E-07	6.90E-08	3.52E-07	1.49E-07
3283	472863.09	3847877.25	1.65E-03	1.69E-03	1.60E-03	5.72E-07	1.73E-06	1.00E-06	1.02E-06	9.29E-07	4.24E-07	4.00E-07	1.91E-08	4.62E-07	1.02E-07	1.39E-07	2.21E-07	3.89E-08	2.64E-08	1.01E-06	5.22E-07	2.21E-07	2.60E-07	1.02E-07	5.22E-07	2.21E-07
3284	473363.09	3847877.25	3.27E-03	3.35E-03	3.16E-03	1.13E-06	3.42E-06	1.98E-06	2.03E-06	1.84E-06	8.39E-07	7.91E-07	3.78E-08	9.14E-07	2.02E-07	2.75E-07	4.37E-07	7.70E-08	5.22E-08	2.00E-06	1.03E-06	4.38E-07	5.16E-07	2.03E-07	1.03E-06	4.38E-07
3285	473863.09	3847877.25	5.79E-02	5.93E-02	5.59E-02	2.00E-05	6.05E-05	3.50E-05	3.59E-05	3.25E-05	1.48E-05	1.40E-05	6.69E-07	1.62E-05	3.57E-06	4.87E-06	7.73E-06	1.36E-06	9.23E-07	3.53E-05	1.83E-05	7.75E-06	9.12E-06	3.58E-06	1.83E-05	7.75E-06
3286	474363.09	3847877.25	6.22E-03	6.37E-03	6.01E-03	2.15E-06	6.51E-06	3.77E-06	3.86E-06	3.50E-06	1.60E-06	1.50E-06	7.19E-08	1.74E-06	3.83E-07	5.24E-07	8.31E-07	1.46E-07	9.93E-08	3.79E-06	1.96E-06	8.33E-07	9.80E-07	3.85E-07	1.96E-06	8.33E-07
3287	474863.09	3847877.25	3.78E-03	3.87E-03	3.65E-03	1.31E-06	3.95E-06	2.29E-06	2.34E-06	2.12E-06	9.69E-07	9.14E-07	4.37E-08	1.05E-06	2.33E-07	3.18E-07	5.04E-07	8.89E-08	6.03E-08	2.30E-06	1.19E-06	5.06E-07	5.95E-07	2.34E-07	1.19E-06	5.06E-07
3288	475363.09	3847877.25	2.53E-03	2.60E-03	2.45E-03	8.77E-07	2.65E-06	1.53E-06	1.57E-06	1.42E-06	6.50E-07	6.13E-07	2.93E-08	7.08E-07	1.56E-07	2.13E-07	3.38E-07	5.96E-08	4.04E-08	1.54E-06	8.00E-07	3.39E-07	3.99E-07	1.57E-07	8.00E-07	3.39E-07
3289	475863.09	3847877.25	1.95E-03	1.99E-03	1.88E-03	6.74E-07	2.03E-06	1.18E-06	1.21E-06	1.09E-06	4.99E-07	4.71E-07	2.25E-08	5.44E-07	1.20E-07	1.64E-07	2.60E-07	4.58E-08	3.10E-08	1.19E-06	6.14E-07	2.61E-07	3.07E-07	1.20E-07	6.14E-07	2.61E-07
3290	476363.09	3847877.25	1.85E-03	1.90E-03	1.79E-03	6.42E-07	1.94E-06	1.12E-06	1.15E-06	1.04E-06	4.75E-07	4.48E-07	2.14E-08	5.18E-07	1.14E-07	1.56E-07	2.47E-07	4.36E-08	2.96E-08	1.13E-06	5.85E-07	2.48E-07	2.92E-07	1.15E-07	5.85E-07	2.48E-07
3291	476863.09	3847877.25	1.62E-03	1.66E-03	1.57E-03	5.61E-07	1.70E-06	9.81E-07	1.01E-06	9.11E-07	4.16E-07	3.92E-07	1.87E-08	4.53E-07	9.99E-08	1.36E-07	2.17E-07	3.82E-08	2.59E-08	9.89E-07	5.12E-07	2.17E-07	2.56E-07	1.00E-07	5.12E-07	2.17E-07
3292	477363.09	3847877.25	1.44E-03	1.47E-03	1.39E-03	4.98E-07	1.50E-06	8.70E-07	8.91E-07	8.08E-07	3.68E-07	3.48E-07	1.66E-08	4.01E-07	8.86E-08	1.21E-07	1.92E-07	3.38E-08	2.29E-08	8.76E-07	4.54E-07	1.92E-07	2.26E-07	8.90E-08	4.54E-07	1.92E-07
3293	477863.09	3847877.25	1.30E-03	1.33E-03	1.26E-03	4.50E-07	1.36E-06	7.87E-07	8.06E-07	7.30E-07	3.33E-07	3.14E-07	1.50E-08	3.63E-07	8.01E-08	1.09E-07	1.74E-07	3.06E-08	2.07E-08	7.92E-07	4.10E-07	1.74E-07	2.05E-07	8.05E-08	4.10E-07	1.74E-07
3294	478363.09	3847877.25	1.18E-03	1.20E-03	1.14E-03	4.07E-07	1.23E-06	7.12E-07	7.29E-07	6.61E-07	3.02E-07	2.84E-07	1.36E-08	3.28E-07	7.25E-08	9.90E-08	1.57E-07	2.77E-08	1.88E-08	7.17E-07	3.71E-07	1.58E-07	1.85E-07	7.28E-08	3.71E-07	1.58E-07
3295	478863.09	3847877.25	1.08E-03	1.11E-03	1.05E-03	3.75E-07	1.13E-06	6.55E-07	6.71E-07	6.09E-07	2.78E-07	2.62E-07	1.25E-08	3.02E-07	6.67E-08	9.11E-08	1.45E-07	2.55E-08	1.73E-08	6.60E-07	3.42E-07	1.45E-07	1.71E-07	6.70E-08	3.42E-07	1.45E-07
3296	479363.09	3847877.25	9.08E-04	9.30E-04	8.77E-04	3.14E-07	9.49E-07	5.49E-07	5.63E-07	5.10E-07	2.33E-07	2.19E-07	1.05E-08	2.53E-07	5.59E-08	7.64E-08	1.21E-07	2.14E-08	1.45E-08	5.53E-07	2.86E-07	1.22E-07	1.43E-07	5.62E-08	2.86E-07	1.22E-07
3297	479863.09	3847877.25	7.05E-04	7.23E-04	6.82E-04	2.44E-07	7.37E-07	4.27E-07	4.37E-07	3.96E-07	1.81E-07	1.71E-07	8.15E-09	1.97E-07	4.35E-08	5.94E-08	9.42E-08	1.66E-08	1.13E-08	4.30E-07	2.23E-07	9.45E-08	1.11E-07	4.37E-08	2.23E-07	9.45E-08
3298	480363.09	3847877.25	6.94E-04	7.10E-04	6.70E-04	2.40E-07	7.25E-07	4.20E-07	4.30E-07	3.90E-07	1.78E-07	1.68E-07	8.02E-09	1.94E-07	4.27E-08	5.84E-08	9.26E-08	1.63E-08	1.11E-08	4.23E-07	2.19E-07	9.29E-08	1.09E-07	4.29E-08	2.19E-07	9.29E-08
3299	480863.09	3847877.25	6.39E-04	6.55E-04	6.17E-04	2.21E-07	6.68E-07	3.87E-07	3.96E-07	3.59E-07	1.64E-07	1.55E-07	7.39E-09	1.78E-07	3.94E-08	5.38E-08	8.53E-08	1.50E-08	1.02E-08	3.89E-07	2.02E-07	8.56E-08	1.01E-07	3.96E-08	2.02E-07	8.56E-08
3300	481363.09	3847877.25	6.21E-04	6.36E-04	6.00E-04	2.15E-07	6.49E-07	3.76E-07	3.85E-07	3.49E-07	1.59E-07	1.50E-07	7.18E-09	1.73E-07	3.83E-08	5.23E-08	8.29E-08	1.46E-08	9.91E-09	3.79E-07	1.96E-07	8.32E-08	9.79E-08	3.85E-08	1.96E-07	8.32E-08
3301	481863.09	3847877.25	6.76E-04	6.92E-04	6.53E-04	2.34E-07	7.07E-07	4.09E-07	4.19E-07	3.80E-07	1.73E-07	1.63E-07	7.81E-09	1.89E-07	4.16E-08	5.69E-08	9.02E-08	1.59E-08	1.08E-08	4.12E-07	2.13E-07	9.05E-08	1.06E-07	4.18E-08	2.13E-07	9.05E-08
3302	482363.09	3847877.25	6.39E-04	6.55E-04	6.17E-04	2.21E-07	6.68E-07	3.87E-07	3.96E-07	3.59E-07	1.64E-07	1.55E-07	7.39E-09	1.78E-07	3.94E-08	5.38E-08	8.53E-08	1.50E-08	1.02E-08	3.89E-07	2.02E-07	8.56E-08	1.01E-07	3.96E-08	2.02E-07	8.56E-08
3303	482863.09	3847877.25	5.98E-04	6.12E-04	5.77E-04	2.07E-07	6.25E-07	3.62E-07	3.70E-07	3.36E-07	1.53E-07	1.45E-07	6.91E-09	1.67E-07	3.68E-08	5.03E-08	7.98E-08	1.41E-08	9.53E-09	3.64E-07	1.89E-07	8.00E-08	9.42E-08	3.70E-08	1.89E-07	8.00E-08
3304	483363.09	3847877.25	5.68E-04	5.82E-04	5.49E-04	1.97E-07	5.94E-07	3.44E-07	3.52E-07	3.19E-07	1.46E-07	1.37E-07	6.57E-09	1.59E-07	3.50E-08	4.78E-08	7.58E-08	1.34E-08	9.06E-09	3.46E-07	1.79E-07	7.61E-08	8.95E-08	3.52E-08	1.79E-07	7.61E-08

3305	483863.09	3847877.25	5.52E-04	5.65E-04	5.33E-04	1.91E-07	5.77E-07	3.34E-07	3.42E-07	3.10E-07	1.41E-07	1.33E-07	6.38E-09	1.54E-07	3.40E-08	4.64E-08	7.37E-08	1.30E-08	8.80E-09	3.36E-07	1.74E-07	7.39E-08	8.70E-08	3.42E-08	1.74E-07	7.39E-08
3306	484363.09	3847877.25	5.46E-04	5.59E-04	5.28E-04	1.89E-07	5.71E-07	3.30E-07	3.38E-07	3.07E-07	1.40E-07	1.32E-07	6.31E-09	1.52E-07	3.36E-08	4.59E-08	7.29E-08	1.28E-08	8.71E-09	3.33E-07	1.72E-07	7.31E-08	8.60E-08	3.38E-08	1.72E-07	7.31E-08
3307	484863.09	3847877.25	5.28E-04	5.41E-04	5.10E-04	1.83E-07	5.52E-07	3.20E-07	3.27E-07	2.97E-07	1.35E-07	1.28E-07	6.11E-09	1.48E-07	3.26E-08	4.45E-08	7.05E-08	1.24E-08	8.43E-09	3.22E-07	1.67E-07	7.08E-08	8.32E-08	3.27E-08	1.67E-07	7.08E-08
3308	485363.09	3847877.25	5.20E-04	5.32E-04	5.02E-04	1.80E-07	5.43E-07	3.14E-07	3.22E-07	2.92E-07	1.33E-07	1.26E-07	6.01E-09	1.45E-07	3.20E-08	4.37E-08	6.93E-08	1.22E-08	8.29E-09	3.17E-07	1.64E-07	6.96E-08	8.18E-08	3.22E-08	1.64E-07	6.96E-08
3309	485863.09	3847877.25	5.09E-04	5.22E-04	4.92E-04	1.76E-07	5.32E-07	3.08E-07	3.16E-07	2.86E-07	1.31E-07	1.23E-07	5.89E-09	1.42E-07	3.14E-08	4.28E-08	6.80E-08	1.20E-08	8.12E-09	3.10E-07	1.61E-07	6.82E-08	8.02E-08	3.15E-08	1.61E-07	6.82E-08
3310	486363.09	3847877.25	4.84E-04	4.96E-04	4.68E-04	1.68E-07	5.06E-07	2.93E-07	3.00E-07	2.72E-07	1.24E-07	1.17E-07	5.60E-09	1.35E-07	2.98E-08	4.07E-08	6.46E-08	1.14E-08	7.72E-09	2.95E-07	1.53E-07	6.48E-08	7.63E-08	3.00E-08	1.53E-07	6.48E-08
3311	486863.09	3847877.25	4.63E-04	4.75E-04	4.48E-04	1.60E-07	4.84E-07	2.80E-07	2.87E-07	2.60E-07	1.19E-07	1.12E-07	5.36E-09	1.29E-07	2.86E-08	3.90E-08	6.19E-08	1.09E-08	7.39E-09	2.82E-07	1.46E-07	6.21E-08	7.30E-08	2.87E-08	1.46E-07	6.21E-08
3312	487363.09	3847877.25	4.47E-04	4.58E-04	4.32E-04	1.55E-07	4.67E-07	2.71E-07	2.77E-07	2.51E-07	1.15E-07	1.08E-07	5.17E-09	1.25E-07	2.76E-08	3.76E-08	5.97E-08	1.05E-08	7.13E-09	2.73E-07	1.41E-07	5.99E-08	7.04E-08	2.77E-08	1.41E-07	5.99E-08
3313	487863.09	3847877.25	4.27E-04	4.37E-04	4.12E-04	1.48E-07	4.46E-07	2.58E-07	2.64E-07	2.40E-07	1.09E-07	1.03E-07	4.93E-09	1.19E-07	2.63E-08	3.59E-08	5.69E-08	1.00E-08	6.80E-09	2.60E-07	1.35E-07	5.71E-08	6.72E-08	2.64E-08	1.35E-07	5.71E-08
3314	488363.09	3847877.25	4.13E-04	4.23E-04	3.99E-04	1.43E-07	4.32E-07	2.50E-07	2.56E-07	2.32E-07	1.06E-07	9.99E-08	4.78E-09	1.15E-07	2.55E-08	3.48E-08	5.52E-08	9.72E-09	6.59E-09	2.52E-07	1.30E-07	5.53E-08	6.51E-08	2.56E-08	1.30E-07	5.53E-08
3315	488863.09	3847877.25	4.04E-04	4.14E-04	3.91E-04	1.40E-07	4.23E-07	2.45E-07	2.51E-07	2.27E-07	1.04E-07	9.78E-08	4.67E-09	1.13E-07	2.49E-08	3.40E-08	5.40E-08	9.51E-09	6.45E-09	2.46E-07	1.28E-07	5.42E-08	6.37E-08	2.50E-08	1.28E-07	5.42E-08
3316	489363.09	3847877.25	3.96E-04	4.05E-04	3.82E-04	1.37E-07	4.13E-07	2.39E-07	2.45E-07	2.22E-07	1.01E-07	9.56E-08	4.57E-09	1.10E-07	2.44E-08	3.33E-08	5.28E-08	9.30E-09	6.31E-09	2.41E-07	1.25E-07	5.30E-08	6.23E-08	2.45E-08	1.25E-07	5.30E-08
3317	489863.09	3847877.25	3.93E-04	4.02E-04	3.79E-04	1.36E-07	4.10E-07	2.38E-07	2.43E-07	2.21E-07	1.01E-07	9.49E-08	4.54E-09	1.10E-07	2.42E-08	3.30E-08	5.24E-08	9.24E-09	6.26E-09	2.39E-07	1.24E-07	5.26E-08	6.18E-08	2.43E-08	1.24E-07	5.26E-08
3318	490363.09	3847877.25	3.81E-04	3.90E-04	3.68E-04	1.32E-07	3.98E-07	2.30E-07	2.36E-07	2.14E-07	9.76E-08	9.21E-08	4.40E-09	1.06E-07	2.35E-08	3.20E-08	5.08E-08	8.96E-09	6.07E-09	2.32E-07	1.20E-07	5.10E-08	6.00E-08	2.36E-08	1.20E-07	5.10E-08
3319	490863.09	3847877.25	3.67E-04	3.76E-04	3.55E-04	1.27E-07	3.84E-07	2.22E-07	2.28E-07	2.06E-07	9.42E-08	8.89E-08	4.25E-09	1.03E-07	2.26E-08	3.09E-08	4.91E-08	8.65E-09	5.86E-09	2.24E-07	1.16E-07	4.92E-08	5.79E-08	2.27E-08	1.16E-07	4.92E-08
3320	491363.09	3847877.25	3.48E-04	3.57E-04	3.36E-04	1.21E-07	3.64E-07	2.11E-07	2.16E-07	1.96E-07	8.93E-08	8.42E-08	4.03E-09	9.73E-08	2.15E-08	2.93E-08	4.65E-08	8.19E-09	5.56E-09	2.12E-07	1.10E-07	4.66E-08	5.49E-08	2.16E-08	1.10E-07	4.66E-08
3321	491863.09	3847877.25	3.41E-04	3.49E-04	3.29E-04	1.18E-07	3.56E-07	2.06E-07	2.11E-07	1.92E-07	8.74E-08	8.24E-08	3.94E-09	9.52E-08	2.10E-08	2.87E-08	4.55E-08	8.02E-09	5.44E-09	2.08E-07	1.08E-07	4.57E-08	5.37E-08	2.11E-08	1.08E-07	4.57E-08
3322	492363.09	3847877.25	3.35E-04	3.43E-04	3.24E-04	1.16E-07	3.50E-07	2.03E-07	2.08E-07	1.88E-07	8.59E-08	8.10E-08	3.87E-09	9.35E-08	2.06E-08	2.82E-08	4.47E-08	7.88E-09	5.34E-09	2.04E-07	1.06E-07	4.49E-08	5.28E-08	2.07E-08	1.06E-07	4.49E-08
3323	492863.09	3847877.25	3.29E-04	3.37E-04	3.18E-04	1.14E-07	3.44E-07	1.99E-07	2.04E-07	1.85E-07	8.44E-08	7.96E-08	3.80E-09	9.19E-08	2.03E-08	2.77E-08	4.39E-08	7.74E-09	5.25E-09	2.01E-07	1.04E-07	4.41E-08	5.18E-08	2.04E-08	1.04E-07	4.41E-08
3324	493363.09	3847877.25	3.14E-04	3.22E-04	3.04E-04	1.09E-07	3.29E-07	1.90E-07	1.95E-07	1.77E-07	8.06E-08	7.60E-08	3.63E-09	8.78E-08	1.94E-08	2.65E-08	4.20E-08	7.40E-09	5.01E-09	1.92E-07	9.92E-08	4.21E-08	4.95E-08	1.95E-08	9.92E-08	4.21E-08
3325	493863.09	3847877.25	3.04E-04	3.11E-04	2.94E-04	1.05E-07	3.18E-07	1.84E-07	1.88E-07	1.71E-07	7.79E-08	7.35E-08	3.51E-09	8.49E-08	1.87E-08	2.56E-08	4.06E-08	7.15E-09	4.85E-09	1.85E-07	9.60E-08	4.07E-08	4.79E-08	1.88E-08	9.60E-08	4.07E-08
3326	494363.09	3847877.25	2.97E-04	3.04E-04	2.87E-04	1.03E-07	3.10E-07	1.79E-07	1.84E-07	1.67E-07	7.60E-08	7.17E-08	3.43E-09	8.28E-08	1.83E-08	2.50E-08	3.96E-08	6.98E-09	4.73E-09	1.81E-07	9.36E-08	3.97E-08	4.67E-08	1.84E-08	9.36E-08	3.97E-08
3327	494863.09	3847877.25	2.94E-04	3.01E-04	2.84E-04	1.02E-07	3.07E-07	1.78E-07	1.82E-07	1.65E-07	7.53E-08	7.10E-08	3.39E-09	8.20E-08	1.81E-08	2.47E-08	3.92E-08	6.91E-09	4.68E-09	1.79E-07	9.27E-08	3.93E-08	4.63E-08	1.82E-08	9.27E-08	3.93E-08
3328	495363.09	3847877.25	2.86E-04	2.93E-04	2.77E-04	9.91E-08	2.99E-07	1.73E-07	1.77E-07	1.61E-07	7.34E-08	6.92E-08	3.31E-09	7.99E-08	1.76E-08	2.41E-08	3.82E-08	6.74E-09	4.57E-09	1.75E-07	9.04E-08	3.83E-08	4.51E-08	1.77E-08	9.04E-08	3.83E-08
3329	495863.09	3847877.25	2.69E-04	2.75E-04	2.60E-04	9.30E-08	2.81E-07	1.63E-07	1.66E-07	1.51E-07	6.89E-08	6.49E-08	3.10E-09	7.50E-08	1.65E-08	2.26E-08	3.59E-08	6.32E-09	4.28E-09	1.64E-07	8.48E-08	3.60E-08	4.23E-08	1.66E-08	8.48E-08	3.60E-08
3330	496363.09	3847877.25	2.83E-04	2.90E-04	2.74E-04	9.81E-08	2.96E-07	1.71E-07	1.76E-07	1.59E-07	7.26E-08	6.85E-08	3.28E-09	7.91E-08	1.75E-08	2.38E-08	3.78E-08	6.67E-09	4.52E-09	1.73E-07	8.94E-08	3.79E-08	4.46E-08	1.75E-08	8.94E-08	3.79E-08
3331	496863.09	3847877.25	2.86E-04	2.93E-04	2.77E-04	9.91E-08	2.99E-07	1.73E-07	1.77E-07	1.61E-07	7.34E-08	6.92E-08	3.31E-09	7.99E-08	1.76E-08	2.41E-08	3.82E-08	6.74E-09	4.57E-09	1.75E-07	9.04E-08	3.83E-08	4.51E-08	1.77E-08	9.04E-08	3.83E-08
3332	497363.09	3847877.25	2.91E-04	2.98E-04	2.81E-04	1.01E-07	3.04E-07	1.76E-07	1.80E-07	1.63E-07	7.45E-08	7.03E-08	3.36E-09	8.12E-08	1.79E-08	2.45E-08	3.88E-08	6.84E-09	4.64E-09	1.77E-07	9.18E-08	3.89E-08	4.58E-08	1.80E-08	9.18E-08	3.89E-08
3333	497863.09	3847877.25	3.04E-04	3.11E-04	2.94E-04	1.05E-07	3.18E-07	1.84E-07	1.88E-07	1.71E-07	7.79E-08	7.35E-08	3.51E-09	8.49E-08	1.87E-08	2.56E-08	4.06E-08	7.15E-09	4.85E-09	1.85E-07	9.60E-08	4.07E-08	4.79E-08	1.88E-08	9.60E-08	4.07E-08
3334	498363.09	3847877.25	3.06E-04	3.13E-04	2.95E-04	1.06E-07	3.19E-07	1.85E-07	1.89E-07	1.72E-07	7.83E-08	7.39E-08	3.53E-09	8.53E-08	1.88E-08	2.57E-08	4.08E-08	7.19E-09	4.87E-09	1.86E-07	9.64E-08	4.09E-08	4.81E-08	1.89E-08	9.64E-08	4.09E-08
3335	471363.09	3848377.25	5.98E-04	6.12E-04	5.77E-04	2.07E-07	6.25E-07	3.62E-07	3.70E-07	3.36E-07	1.53E-07	1.45E-07	6.91E-09	1.67E-07	3.68E-08	5.03E-08	7.98E-08	1.41E-08	9.53E-09	3.64E-07	1.89E-07	8.00E-08	9.42E-08	3.70E-08	1.89E-07	8.00E-08
3336	471863.09	3848377.25	6.92E-04	7.09E-04	6.69E-04	2.40E-07	7.23E-07	4.19E-07	4.29E-07	3.89E-07	1.77E-07	1.67E-07	8.00E-09	1.93E-07	4.26E-08	5.82E-08	9.24E-08	1.63E-08	1.10E-08	4.22E-07	2.18E-07	9.27E-08	1.09E-07	4.28E-08	2.18E-07	9.27E-08
3337	472363.09	3848377.25	8.25E-04	8.45E-04	7.97E-04	2.86E-07	8.62E-07	4.99E-07	5.11E-07	4.63E-07	2.11E-07	1.99E-07	9.54E-09	2.30E-07	5.08E-08	6.94E-08	1.10E-07	1.94E-08	1.32E-08	5.03E-07	2.60E-07	1.10E-07	1.30E-07	5.11E-08	2.60E-07	1.10E-07
3338	472863.09	3848377.25	1.03E-03	1.05E-03	9.94E-04	3.56E-07	1.08E-06	6.22E-07	6.38E-07	5.78E-07	2.64E-07	2.49E-07	1.19E-08	2.87E-07	6.34E-08	8.66E-08	1.37E-07	2.42E-08	1.64E-08	6.27E-07	3.25E-07	1.38E-07	1.62E-07	6.37E-08	3.25E-07	1.38E-07
3339	473363.09	3848377.25	1.39E-03	1.42E-03	1.34E-03	4.80E-07	1.45E-06	8.39E-07	8.60E-07	7.79E-07	3.56E-07	3.35E-07	1.60E-08	3.87E-07	8.55E-08	1.17E-07	1.85E-07	3.26E-08	2.21E-08	8.46E-07	4.38E-07	1.86E-07	2.19E-07	8.59E-08	4.38E-07	1.86E-07
3340	473863.09	3848377.25	2.26E-03	2.31E-03	2.18E-03	7.81E-07	2.36E-06	1.36E-06	1.40E-06	1.27E-06	5.78E-07	5.45E-07	2.61E-08	6.30E-07	1.39E-07	1.90E-07	3.01E-07	5.31E-08	3.60E-08	1.37E-06	7.12E-07	3.02E-07	3.55E-07	1.40E-07	7.12E-07	3.02E-07
3341	474363.09	3848377.25	1.00E-02	1.02E-02	9.66E-03	3.46E-06	1.05E-05	6.05E-06	6.20E-06	5.62E-06	2.56E-06	2.42E-06	1.16E-07	2.79E-06	6.16E-07	8.41E-07	1.33E-06	2.35E-07	1.59E-07	6.10E-06	3.16E-06	1.34E-06	1.58E-06	6.19E-07	3.16E-06	1.34E-06
3342	474863.09	3848377.25	8.06E-03	8.25E-03	7.78E-03	2.79E-06	8.42E-06	4.87E-06	4.99E-06	4.53E-06	2.06E-06	1.95E-06	9.31E-08	2.25E-06	4.96E-07	6.78E-07	1.08E-06	1.89E-07	1.28E-07	4.91E-06	2.54E-06	1.08E-06	1.27E-06	4.99E-07	2.54E-06	1.08E-06
3343	475363.09	3848377.25	4.52E-03	4.63E-03	4.36E-03	1.56E-06	4.72E-06	2.73E-06	2.80E-06	2.54E-06	1.16E-06	1.09E-06	5.22E-08	1.26E-06	2.78E-07	3.80E-07	6.03E-07	1.06E-07	7.20E-08	2.75E-06	1.43E-06	6.05E-07	7.11E-07	2.79E-07	1.43E-06	6.05E-07
3344	475863.09	3848377.25	2.91E-03	2.98E-03	2.81E-03	1.01E-06	3.04E-06	1.76E-06	1.80E-06	1.64E-06	7.46E-07	7.04E-07	3.37E-08	8.13E-07	1.79E-07	2.45E-07	3.89E-07	6.85E-08	4.64E-08	1.77E-06	9.19E-07	3.90E-07	4.59E-07	1.80E-07	9.19E-07	3.90E-07
3345	476363.09	3848377.25	2.18E-03	2.24E-03	2.11E-03	7.56E-07	2.28E-06	1.32E-06	1.35E-06	1.23E-06	5.60E-07	5.28E-07	2.52E-08	6.10E-07	1.35E-07	1.84E-07	2.92E-07	5.14E-08	3.48E-08	1.33E-06	6.89E-07	2.93E-07	3.44E-07	1.35E-07	6.89E-07	2.93E-07
3346	476863.09	3848377.25	2.12E-03	2.18E-03	2.05E-03	7.35E-07	2.22E-06	1.29E-06	1.32E-06	1.19E-06	5.44E-07	5.14E-07	2.45E-08	5.93E-07	1.31E-07	1.79E-07	2.83E-07	5.00E-08	3.39E-08	1.29E-06	6.70E-07	2.84E-07	3.35E-07	1.31E-07	6.70E-07	2.84E-07
3347	477363.09	3848377.25	1.87E-03	1.91E-03	1.80E-03	6.46E-07	1.95E-06	1.13E-06	1.16E-06	1.05E-06	4.79E-07	4.51E-07	2.16E-08	5.21E-07	1.15E-07	1.57E-07	2.49E-07	4.39E-08	2.98E-08	1.14E-06	5.89E-07	2.50E-07	2.94E-07	1.16E-07	5.89E-07	2.50E-07
3348	477863.09	3848377.25	1.68E-03	1.72E-03	1.63E-03	5.83E-07	1.76E-06	1.02E-06	1.04E-06	9.46E-07	4.32E-07	4.07E-07	1.95E-08	4.70E-07	1.04E-07	1.42E-07	2.25E-07	3.96E-08	2.69E-08	1.03E-06	5.31E-07	2.26E-07	2.65E-07	1.04E-07	5.31E-07	2.26E-07
3349	478363.09	3848377.25	1.51E-03	1.55E-03	1.46E-03	5.24E-07	1.58E-06	9.16E-07	9.38E-07	8.51E-07	3.88E-07	3.66E-07	1.75E-08	4.23E-07	9.33E-08	1.27E-07	2.02E-07	3.56E-08	2.42E-08	9.23E-07	4.78E-07	2.03E-07	2.39E-07	9.37E-08	4.78E-07	2.03E-07
3350	478863.09	3848377.25	1.34E-03	1.37E-03	1.29E-03	4.63E-07	1.40E-06	8.10E-07	8.30E-07	7.52E-07	3.43E-07	3.24E-07	1.55E-08	3.74E-07	8.25E-08	1.13E-07	1.79E-07	3.15E-08	2.13E-08	8.16E-07	4.22E-07	1.79E-07	2.11E-07	8.28E-08	4.22E-07	1.79E-07
3351	479363.09	3848377.25	1.11E-03	1.14E-03	1.08E-03	3.85E-07	1.16E-06	6.73E-07	6.90E-07	6.25E-07	2.85E-07	2.69E-07	1.29E-08	3.11E-07	6.86E-08	9.36E-08	1.49E-07	2.62E-08	1.77E-08	6.78E-07	3.51E-07	1.49E-07	1.75E-07	6.89E-08	3.51E-07	1.49E-07
3352	479863.09	3848377.25	6.97E-04	7.13E-04	6.73E-04	2.41E-07	7.28E-07	4.21E-07	4.32E-07	3.91E-07	1.79E-07	1.68E-07	8.05E-09	1.95E-07	4.29E-08	5.86E-08	9.30E-08	1.64E-08	1.11E-08	4.25E-07	2.20E-07	9.33E-08	1.10E-07	4.31E-08	2.20E-07	9.33E-08
3353	480363.09	3848377.25	7.81E-04	8.00E-04	7.54E-04	2.70E-07	8.16E-07	4.72E-07	4.84E-07	4.39E-07	2.00E-07	1.89E-07	9.02E-09	2.18E-07	4.81E-08	6.57E-08	1.04E-07	1.84E-08	1.25E-08	4.76E-07	2.46E-07	1.05E-07	1.23E-07	4.83E-08	2.46E-07	1.05E-07
3354	480863.09	3848377.25	8.53E-04	8.74E-04	8.24E-04	2.95E-07	8.92E-07	5.16E-07	5.29E-07	4.79E-07	2.19E-07	2.06E-07	9.86E-09	2.38E-07	5.26E-08	7.18E-08	1.14E-07	2.01E-08	1.36E-08	5.20E-07	2.69E-07	1.14E-07	1.34E-07	5.28E-08	2.69E-07	1.14E-07
3355	481363.09	3848377.25	8.15E-04	8.34E-04	7.87E-04	2.82E-07	8.52E-07	4.93E-07	5.05E-07	4.58E-07	2.09E-07	1.97E-07	9.42E-09	2.27E-07	5.02E-08	6.85E-08	1.09E-07	1.92E-08	1.30E-08	4.97E-07	2.57E-07	1.09E-07	1.28E-07	5.04E-08	2.57E-07	1.09E-07
3356	481863.09	3848377.25	7.87E-04	8.06E-04	7.60E-04	2.72E-07	8.22E-07	4.76E-07	4.88E-07	4.42E-07	2.02E-07	1.90E-07	9.09E-09	2.20E-07	4.85E-08	6.62E-08	1.05E-07	1.85E-08	1.25E-08	4.79E-07	2.48E-07	1.05E-07	1.24E-07	4.87E-08	2.48E-07	1.05E-07
3357	482363.09	3848377.25	7.53E-04	7.71E-04	7.27E-04	2.61E-07	7.87E-07	4.55E-07	4.66E-07	4.23E-07	1.93E-07	1.82E-07	8.70E-09	2.10E-07	4.64E-08	6.33E-08	1.00E-07	1.77E-08	1.20E-08	4.59E-07	2.38E-07	1.01E-07	1.19E-07	4.66E-08	2.38E-07	1.01E-07
3358	482863.09	3848377.25	6.92E-04	7.09E-04	6.69E-04	2.40E-07	7.23E-07	4.19E-07	4.29E-07	3.89E-07	1.77E-07	1.67E-07	8.00E-09	1.93E-07	4.26E-08	5.82E-08	9.24E-08	1.63E-08	1.10E-08	4.22E-07	2.18E-07	9.27E-08	1.09E-07	4.28E-08	2.18E-07	9.27E-08
3359	483363.09	3848377.25	6.58E-04	6.74E-04	6.36E-04	2.28E-07	6.88E-07	3.98E-07	4.08E-07	3.70E-07	1.69E-07	1.59E-07	7.61E-09	1.84E-07	4.06E-08	5.54E-08	8.79E-08	1.55E-08	1.05E-08	4.01E-07	2.08E-07	8.81E-08	1.04E-07	4.07E-08	2.08E-07	8.81E-08
3360	483863.09	3848377.25	6.17E-04	6.32E-04	5.96E-04	2.14E-07	6.45E-07	3.73E-07	3.82E-07	3.47E-07	1.58E-07	1.49E-07	7.13E-09	1.72E-07	3.80E-08	5.19E-08	8.23E-08	1.45E-08	9.84E-09	3.76E-07	1.95E-07	8.26E-08	9.72E-08	3.82E-08	1.95E-07	8.26E-08
3361	484363.09	3848377.25	6.01E-04	6.15E-04	5.80E-04	2.08E-07	6.28E-07	3.63E-07	3.72E-07	3.37E-07	1.54E-07	1.45E-07	6.94E-09	1.68E-07	3.70E-08	5.05E-08	8.02E-08	1.41E-08	9.58E-09	3.66E-07	1.90E-07	8.04E-08	9.46E-08	3.72E-08	1.90E-07	8.04E-08
3362	484863.09	3848377.25	6.01E-04	6.15E-04	5.80E-04	2.08E-07	6.28E-07	3.63E-07	3.72E-07	3.37E-07	1.54E-07	1.45E-07	6.94E-09	1.68E-07	3.70E-08	5.05E-08	8.02E-08	1.41E-08	9.58E-09	3.66E-07	1.90E-07	8.04E-08	9.46E-08	3.72E-08	1.90E-07	8.04E-08
3363	485363.09	3848377.25	5.80E-04	5.94E-04	5.60E-04	2.01E-07	6.06E-07	3.51E-07	3.59E-07	3.26E-07	1.49E-07	1.40E-07	6.70E-09	1.62E-07	3.57E-08	4.88E-08	7.74E-08	1.36E-08	9.25E-09	3.54E-07	1.83E-07	7.77E-08	9.14E-08	3.59E-08	1.83E-07	7.77E-08
3364	485863.09	3848377.25	5.64E-04	5.77E-04	5.45E-04	1.95E-07	5.89E-07	3.41E-07	3.49E-07	3.17E-07	1.45E-07	1.36E-07	6.52E-09	1.57E-07	3.47E-08	4.74E-08	7.53E-08	1.33E-08	8.99E-09	3.44E-07	1.78E-07	7.55E-08	8.88E-08	3.49E-08	1.78E-07	7.55E-08
3365	486363.09	3848377.25	5.39E-04	5.52E-04	5.20E-04	1.86E-07	5.63E-07	3.26E-07	3.34E-07	3.03E-07	1.38E-07	1.30E-07	6.23E-09	1.50E-07	3.32E-08	4.53E-08	7.19E-08	1.27E-08	8.59E-09	3.28E-07	1.70E-07	7.21E-08	8.49E-08	3.33E-08	1.70E-07	7.21E-08
3366	486863.09	3848377.25	5.12E-04	5.25E-04	4.95E-04	1.77E-07	5.35E-07	3.10E-07	3.17E-07	2.88E-07	1.31E-07	1.24E-07	5.92E-09	1.43E-07	3.16E-08	4.31E-08	6.84E-08	1.20E-08	8.17E-09	3.12E-07	1.62E-07	6.86E-08	8.07E-08	3.17E-08	1.62E-07	6.86E-08
3367	487363.09	3848377.25	4.81E-04	4.93E-04	4.65E-04	1.67E-07	5.03E-07	2.91E-07	2.98E-07	2.70E-07	1.23E-07	1.16E-07	5.56E-09	1.34E-07	2.96E-08	4.05E-08	6.42E-08	1.13E-08	7.67E-09	2.93E-07	1.52E-07	6.44E-08	7.58E-08	2.98E-08	1.52E-07	6.44E-08
3368	487863.09	3848377.25	4.66E-04	4.78E-04	4.51E-04	1.61E-07	4.87E-07	2.82E-07	2.89E-07	2.62E-07	1.20E-07	1.13E-07	5.39E-09	1.30E-07	2.87E-08	3.92E-08	6.23E-08	1.10E-08	7.44E-09	2.84E-07	1.47E-07	6.25E-08	7.35E-08	2.89E-08	1.47E-07	6.25E-08
3369	488363.09	3848377.25	4.52E-04	4.63E-04	4.36E-04	1.56E-07	4.72E-07	2.73E-07	2.80E-07	2.54E-07	1.16E-07	1.09E-07	5.22E-09	1.26E-07	2.78E-08	3.80E-08	6.03E-08	1.06E-08	7.20E-09	2.75E-07	1.43E-07	6.05E-08	7.11E-08	2.79E-08	1.43E-07	6.05E-08
3370	488863.09	3848377.25	4.38E-04	4.49E-04	4.23E-04	1.52E-07	4.58E-07	2.65E-07	2.72E-07	2.46E-07	1.12E-07	1.06E-07	5.07E-09	1.22E-07	2.70E-08	3.69E-08	5.85E-08	1.03E-08	6.99E-09	2.67E-07	1.38E-07	5.87E-08	6.91E-08	2.71E-08	1.38E-07	5.87E-08
3371	489363.09	3848377.25	4.29E-04	4.40E-04	4.15E-04	1.49E-07	4.49E-07	2.60E-07	2.66E-07	2.41E-07	1.10E-07	1.04E-07	4.96E-09	1.20E-07	2.65E-08	3.61E-08	5.73E-08	1.01E-08	6.85E-09	2.62E-07	1.36E-07	5.75E-08	6.77E-08	2.66E-08	1.36E-07	5.75E-08
3372	489863.09	3848377.25	4.27E-04	4.37E-04	4.12E-04	1.48E-07	4.46E-07	2.58E-07	2.64E-07	2.40E-07	1.09E-07	1.03E-07	4.93E-09	1.19E-07	2.63E-08	3.59E-08	5.69E-08	1.00E-08	6.80E-09	2.60E-07	1.35E-07	5.71E-08	6.72E-08	2.64E-08	1.35E-07	5.71E-08
3373	490363.09	3848377.25	4.13E-04	4.23E-04	3.99E-04	1.43E-07	4.32E-07	2.50E-07	2.56E-07	2.32E-07	1.06E-07	9.99E-08	4.78E-09	1.15E-07	2.55E-08	3.48E-08	5.52E-08	9.72E-09	6.59E-09	2.52E-07	1.30E-07	5.53E-08	6.51E-08	2.56E-08	1.30E-07	5.53E-08
3374	490863.09	3848377.25	3.94E-04	4.04E-04	3.81E-04	1.36E-07	4.12E-07	2.38E-07	2.44E-07	2.21E-07	1.01E-07	9.53E-08	4.56E-09	1.10E-07	2.43E-08	3.32E-08	5.26E-08	9.27E-09	6.28E-09	2.40E-07	1.24E-07	5.28E-08	6.21E-08	2.44E-08	1.24E-07	5.28E-08
3375	491363.09	3848377.25	3.78E-04	3.87E-04	3.65E-04	1.31E-07	3.95E-07	2.29E-07	2.34E-07	2.12E-07	9.69E-08	9.14E-08	4.37E-09	1.05E-07	2.33E-08	3.18E-08	5.04E-08	8.89E-09	6.03E-09	2.30E-07	1.19E-07	5.06E-08	5.95E-08	2.34E-08	1.19E-07	5.06E-08
3376	491863.09	3848377.25	3.66E-04	3.75E-04	3.54E-04	1.27E-07	3.83E-07	2.21E-07	2.27E-07	2.06E-07	9.38E-08	8.85E-08	4.23E-09	1.02E-07	2.26E-08	3.08E-08	4.89E-08	8.61E-09	5.84E-09	2.23E-07	1.16E-07	4.90E-08	5.77E-08	2.27E-08	1.16E-07	4.90E-08
3377	492363.09	3848377.25	3.47E-04	3.55E-04	3.35E-04	1.20E-07	3.63E-07	2.10E-07	2.15E-07	1.95E-07	8.89E-08	8.39E-08	4.01E-09	9.68E-08	2.14E-08	2.92E-08	4.63E-08	8.16E-09	5.53E-09	2.11E-07	1.09E-07	4.64E-08	5.46E-08	2.15E-08	1.09E-07	4.64E-08
3378	492863.09	3848377.25	3.28E-04	3.36E-04	3.17E-04	1.13E-07	3.42E-07	1.98E-07	2.03E-07	1.84E-07	8.40E-08	7.92E-08	3.79E-09	9.15E-08	2.02E-08	2.76E-08	4.37E-08	7.71E-09	5.23E-09	2.00E-07	1.03E-07	4.39E-08	5.16E-08	2.03E-08	1.03E-07	4.39E-08
3379	493363.09	3848377.25	3.17E-04	3.25E-04	3.07E-04	1.10E-07	3.32E-07	1.92E-07	1.97E-07	1.78E-07	8.13E-08	7.67E-08	3.67E-09	8.86E-08	1.96E-08	2.67E-08	4.24E-08	7.46E-09	5.06E-09	1.93E-07	1.00E-07	4.25E-08	5.00E-08	1.96E-08	1.00E-07	4.25E-08
3380	493863.09	3848377.25	3.06E-04	3.13E-04	2.95E-04	1.06E-07	3.19E-07	1.85E-07	1.89E-07	1.72E-07	7.83E-08	7.39E-08	3.53E-09	8.53E-08	1.88E-08	2.57E-08	4.08E-08	7.19E-09	4.87E-09	1.86E-07	9.64E-08	4.09E-08	4.81E-08	1.89E-08	9.64E-08	4.09E-08
3381	494363.09	3848377.25	2.97E-04	3.04E-04	2.87E-04	1.03E-07	3.10E-07	1.79E-07	1.84E-07	1.67E-07	7.60E-08	7.17E-08	3.43E-09	8.28E-08	1.83E-08	2.50E-08	3.96E-08	6.98E-09	4.73E-09	1.81E-07	9.36E-08	3.97E-08	4.67E-08	1.84E-08	9.36E-08	3.97E-08

3382	494863.09	3848377.25	2.94E-04	3.01E-04	2.84E-04	1.02E-07	3.07E-07	1.78E-07	1.82E-07	1.65E-07	7.53E-08	7.10E-08	3.39E-09	8.20E-08	1.81E-08	2.47E-08	3.92E-08	6.91E-09	4.68E-09	1.79E-07	9.27E-08	3.93E-08	4.63E-08	1.82E-08	9.27E-08	3.93E-08
3383	495363.09	3848377.25	2.80E-04	2.87E-04	2.71E-04	9.71E-08	2.93E-07	1.70E-07	1.74E-07	1.58E-07	7.19E-08	6.78E-08	3.24E-09	7.83E-08	1.73E-08	2.36E-08	3.74E-08	6.60E-09	4.47E-09	1.71E-07	8.85E-08	3.76E-08	4.42E-08	1.74E-08	8.85E-08	3.76E-08
3384	495863.09	3848377.25	2.75E-04	2.81E-04	2.65E-04	9.50E-08	2.87E-07	1.66E-07	1.70E-07	1.54E-07	7.04E-08	6.64E-08	3.17E-09	7.66E-08	1.69E-08	2.31E-08	3.66E-08	6.46E-09	4.38E-09	1.67E-07	8.66E-08	3.68E-08	4.32E-08	1.70E-08	8.66E-08	3.68E-08
3385	496363.09	3848377.25	2.80E-04	2.87E-04	2.71E-04	9.71E-08	2.93E-07	1.70E-07	1.74E-07	1.58E-07	7.19E-08	6.78E-08	3.24E-09	7.83E-08	1.73E-08	2.36E-08	3.74E-08	6.60E-09	4.47E-09	1.71E-07	8.85E-08	3.76E-08	4.42E-08	1.74E-08	8.85E-08	3.76E-08
3386	496863.09	3848377.25	2.73E-04	2.80E-04	2.64E-04	9.45E-08	2.85E-07	1.65E-07	1.69E-07	1.53E-07	7.00E-08	6.60E-08	3.16E-09	7.62E-08	1.68E-08	2.30E-08	3.64E-08	6.42E-09	4.35E-09	1.66E-07	8.62E-08	3.66E-08	4.30E-08	1.69E-08	8.62E-08	3.66E-08
3387	497363.09	3848377.25	2.83E-04	2.90E-04	2.74E-04	9.81E-08	2.96E-07	1.71E-07	1.76E-07	1.59E-07	7.26E-08	6.85E-08	3.28E-09	7.91E-08	1.75E-08	2.38E-08	3.78E-08	6.67E-09	4.52E-09	1.73E-07	8.94E-08	3.79E-08	4.46E-08	1.75E-08	8.94E-08	3.79E-08
3388	497863.09	3848377.25	3.16E-04	3.23E-04	3.05E-04	1.09E-07	3.30E-07	1.91E-07	1.96E-07	1.77E-07	8.10E-08	7.64E-08	3.65E-09	8.82E-08	1.95E-08	2.66E-08	4.22E-08	7.43E-09	5.04E-09	1.92E-07	9.97E-08	4.23E-08	4.98E-08	1.95E-08	9.97E-08	4.23E-08
3389	498363.09	3848377.25	3.14E-04	3.22E-04	3.04E-04	1.09E-07	3.29E-07	1.90E-07	1.95E-07	1.77E-07	8.06E-08	7.60E-08	3.63E-09	8.78E-08	1.94E-08	2.65E-08	4.20E-08	7.40E-09	5.01E-09	1.92E-07	9.92E-08	4.21E-08	4.95E-08	1.95E-08	9.92E-08	4.21E-08
3390	471363.09	3848877.25	5.24E-04	5.37E-04	5.06E-04	1.81E-07	5.48E-07	3.17E-07	3.25E-07	2.94E-07	1.34E-07	1.27E-07	6.06E-09	1.46E-07	3.23E-08	4.41E-08	6.99E-08	1.23E-08	8.36E-09	3.19E-07	1.65E-07	7.02E-08	8.25E-08	3.24E-08	1.65E-07	7.02E-08
3391	471863.09	3848877.25	5.83E-04	5.97E-04	5.63E-04	2.02E-07	6.09E-07	3.53E-07	3.61E-07	3.28E-07	1.49E-07	1.41E-07	6.74E-09	1.63E-07	3.59E-08	4.91E-08	7.78E-08	1.37E-08	9.30E-09	3.55E-07	1.84E-07	7.81E-08	9.18E-08	3.61E-08	1.84E-07	7.81E-08
3392	472363.09	3848877.25	6.61E-04	6.77E-04	6.39E-04	2.29E-07	6.91E-07	4.00E-07	4.10E-07	3.71E-07	1.69E-07	1.60E-07	7.64E-09	1.85E-07	4.07E-08	5.56E-08	8.83E-08	1.56E-08	1.05E-08	4.03E-07	2.09E-07	8.85E-08	1.04E-07	4.09E-08	2.09E-07	8.85E-08
3393	472863.09	3848877.25	7.78E-04	7.97E-04	7.51E-04	2.69E-07	8.13E-07	4.71E-07	4.82E-07	4.37E-07	1.99E-07	1.88E-07	8.99E-09	2.17E-07	4.79E-08	6.54E-08	1.04E-07	1.83E-08	1.24E-08	4.74E-07	2.45E-07	1.04E-07	1.23E-07	4.81E-08	2.45E-07	1.04E-07
3394	473363.09	3848877.25	9.50E-04	9.73E-04	9.18E-04	3.29E-07	9.93E-07	5.75E-07	5.89E-07	5.34E-07	2.44E-07	2.30E-07	1.10E-08	2.65E-07	5.86E-08	8.00E-08	1.27E-07	2.24E-08	1.52E-08	5.79E-07	3.00E-07	1.27E-07	1.50E-07	5.88E-08	3.00E-07	1.27E-07
3395	473863.09	3848877.25	1.26E-03	1.29E-03	1.22E-03	4.36E-07	1.32E-06	7.62E-07	7.80E-07	7.07E-07	3.23E-07	3.04E-07	1.46E-08	3.52E-07	7.76E-08	1.06E-07	1.68E-07	2.96E-08	2.01E-08	7.67E-07	3.97E-07	1.69E-07	1.98E-07	7.79E-08	3.97E-07	1.69E-07
3396	474363.09	3848877.25	1.95E-03	2.00E-03	1.89E-03	6.76E-07	2.04E-06	1.18E-06	1.21E-06	1.10E-06	5.01E-07	4.72E-07	2.26E-08	5.46E-07	1.20E-07	1.64E-07	2.61E-07	4.60E-08	3.12E-08	1.19E-06	6.17E-07	2.62E-07	3.08E-07	1.21E-07	6.17E-07	2.62E-07
3397	474863.09	3848877.25	6.31E-03	6.46E-03	6.09E-03	2.18E-06	6.59E-06	3.82E-06	3.91E-06	3.54E-06	1.62E-06	1.52E-06	7.29E-08	1.76E-06	3.89E-07	5.31E-07	8.42E-07	1.48E-07	1.01E-07	3.84E-06	1.99E-06	8.45E-07	9.93E-07	3.90E-07	1.99E-06	8.45E-07
3398	475363.09	3848877.25	1.36E-02	1.39E-02	1.31E-02	4.70E-06	1.42E-05	8.22E-06	8.42E-06	7.63E-06	3.48E-06	3.29E-06	1.57E-07	3.79E-06	8.37E-07	1.14E-06	1.81E-06	3.20E-07	2.17E-07	8.28E-06	4.29E-06	1.82E-06	2.14E-06	8.41E-07	4.29E-06	1.82E-06
3399	475863.09	3848877.25	6.64E-03	6.80E-03	6.41E-03	2.30E-06	6.94E-06	4.01E-06	4.11E-06	3.73E-06	1.70E-06	1.60E-06	7.67E-08	1.85E-06	4.09E-07	5.58E-07	8.86E-07	1.56E-07	1.06E-07	4.04E-06	2.09E-06	8.89E-07	1.05E-06	4.11E-07	2.09E-06	8.89E-07
3400	476363.09	3848877.25	4.65E-03	4.76E-03	4.49E-03	1.61E-06	4.86E-06	2.81E-06	2.88E-06	2.61E-06	1.19E-06	1.12E-06	5.37E-08	1.30E-06	2.86E-07	3.91E-07	6.21E-07	1.09E-07	7.41E-08	2.83E-06	1.47E-06	6.23E-07	7.32E-07	2.88E-07	1.47E-06	6.23E-07
3401	476863.09	3848877.25	3.53E-03	3.61E-03	3.41E-03	1.22E-06	3.69E-06	2.14E-06	2.19E-06	1.98E-06	9.05E-07	8.53E-07	4.08E-08	9.85E-07	2.17E-07	2.97E-07	4.71E-07	8.30E-08	5.63E-08	2.15E-06	1.11E-06	4.73E-07	5.56E-07	2.18E-07	1.11E-06	4.73E-07
3402	477363.09	3848877.25	3.19E-03	3.27E-03	3.08E-03	1.11E-06	3.34E-06	1.93E-06	1.98E-06	1.79E-06	8.18E-07	7.72E-07	3.69E-08	8.91E-07	1.97E-07	2.69E-07	4.26E-07	7.51E-08	5.09E-08	1.95E-06	1.01E-06	4.27E-07	5.03E-07	1.98E-07	1.01E-06	4.27E-07
3403	477863.09	3848877.25	2.60E-03	2.67E-03	2.52E-03	9.02E-07	2.72E-06	1.58E-06	1.61E-06	1.46E-06	6.68E-07	6.30E-07	3.01E-08	7.27E-07	1.60E-07	2.19E-07	3.48E-07	6.13E-08	4.15E-08	1.59E-06	8.22E-07	3.49E-07	4.10E-07	1.61E-07	8.22E-07	3.49E-07
3404	478363.09	3848877.25	2.20E-03	2.26E-03	2.13E-03	7.63E-07	2.30E-06	1.33E-06	1.37E-06	1.24E-06	5.65E-07	5.33E-07	2.55E-08	6.15E-07	1.36E-07	1.85E-07	2.94E-07	5.18E-08	3.51E-08	1.34E-06	6.95E-07	2.95E-07	3.47E-07	1.36E-07	6.95E-07	2.95E-07
3405	478863.09	3848877.25	1.84E-03	1.89E-03	1.78E-03	6.39E-07	1.93E-06	1.12E-06	1.14E-06	1.04E-06	4.73E-07	4.46E-07	2.13E-08	5.15E-07	1.14E-07	1.55E-07	2.46E-07	4.34E-08	2.94E-08	1.12E-06	5.82E-07	2.47E-07	2.91E-07	1.14E-07	5.82E-07	2.47E-07
3406	479363.09	3848877.25	1.52E-03	1.55E-03	1.46E-03	5.25E-07	1.58E-06	9.17E-07	9.39E-07	8.52E-07	3.89E-07	3.66E-07	1.75E-08	4.23E-07	9.34E-08	1.28E-07	2.02E-07	3.57E-08	2.42E-08	9.24E-07	4.78E-07	2.03E-07	2.39E-07	9.38E-08	4.78E-07	2.03E-07
3407	479863.09	3848877.25	1.26E-03	1.29E-03	1.22E-03	4.36E-07	1.32E-06	7.62E-07	7.80E-07	7.07E-07	3.23E-07	3.04E-07	1.46E-08	3.52E-07	7.76E-08	1.06E-07	1.68E-07	2.96E-08	2.01E-08	7.67E-07	3.97E-07	1.69E-07	1.98E-07	7.79E-08	3.97E-07	1.69E-07
3408	480363.09	3848877.25	1.18E-03	1.20E-03	1.14E-03	4.07E-07	1.23E-06	7.12E-07	7.29E-07	6.61E-07	3.02E-07	2.84E-07	1.36E-08	3.28E-07	7.25E-08	9.90E-08	1.57E-07	2.77E-08	1.88E-08	7.17E-07	3.71E-07	1.58E-07	1.85E-07	7.28E-08	3.71E-07	1.58E-07
3409	480863.09	3848877.25	1.11E-03	1.14E-03	1.07E-03	3.84E-07	1.16E-06	6.71E-07	6.87E-07	6.23E-07	2.84E-07	2.68E-07	1.28E-08	3.09E-07	6.83E-08	9.33E-08	1.48E-07	2.61E-08	1.77E-08	6.76E-07	3.50E-07	1.48E-07	1.75E-07	6.86E-08	3.50E-07	1.48E-07
3410	481363.09	3848877.25	1.02E-03	1.04E-03	9.81E-04	3.51E-07	1.06E-06	6.14E-07	6.29E-07	5.70E-07	2.60E-07	2.46E-07	1.17E-08	2.84E-07	6.26E-08	8.54E-08	1.36E-07	2.39E-08	1.62E-08	6.19E-07	3.20E-07	1.36E-07	1.60E-07	6.28E-08	3.20E-07	1.36E-07
3411	481863.09	3848877.25	9.08E-04	9.30E-04	8.77E-04	3.14E-07	9.49E-07	5.49E-07	5.63E-07	5.10E-07	2.33E-07	2.19E-07	1.05E-08	2.53E-07	5.59E-08	7.64E-08	1.21E-07	2.14E-08	1.45E-08	5.53E-07	2.86E-07	1.22E-07	1.43E-07	5.62E-08	2.86E-07	1.22E-07
3412	482363.09	3848877.25	8.04E-04	8.24E-04	7.77E-04	2.78E-07	8.41E-07	4.87E-07	4.98E-07	4.52E-07	2.06E-07	1.94E-07	9.30E-09	2.25E-07	4.96E-08	6.77E-08	1.07E-07	1.89E-08	1.28E-08	4.90E-07	2.54E-07	1.08E-07	1.27E-07	4.98E-08	2.54E-07	1.08E-07
3413	482863.09	3848877.25	7.25E-04	7.42E-04	7.00E-04	2.51E-07	7.57E-07	4.38E-07	4.49E-07	4.07E-07	1.86E-07	1.75E-07	8.38E-09	2.02E-07	4.46E-08	6.10E-08	9.67E-08	1.70E-08	1.16E-08	4.42E-07	2.29E-07	9.70E-08	1.14E-07	4.48E-08	2.29E-07	9.70E-08
3414	483363.09	3848877.25	6.64E-04	6.80E-04	6.42E-04	2.30E-07	6.94E-07	4.02E-07	4.12E-07	3.73E-07	1.70E-07	1.61E-07	7.68E-09	1.85E-07	4.09E-08	5.59E-08	8.86E-08	1.56E-08	1.06E-08	4.05E-07	2.10E-07	8.89E-08	1.05E-07	4.11E-08	2.10E-07	8.89E-08
3415	483863.09	3848877.25	6.36E-04	6.52E-04	6.15E-04	2.20E-07	6.65E-07	3.85E-07	3.94E-07	3.57E-07	1.63E-07	1.54E-07	7.35E-09	1.78E-07	3.92E-08	5.35E-08	8.49E-08	1.50E-08	1.01E-08	3.88E-07	2.01E-07	8.52E-08	1.00E-07	3.94E-08	2.01E-07	8.52E-08
3416	484363.09	3848877.25	6.58E-04	6.74E-04	6.36E-04	2.28E-07	6.88E-07	3.98E-07	4.08E-07	3.70E-07	1.69E-07	1.59E-07	7.61E-09	1.84E-07	4.06E-08	5.54E-08	8.79E-08	1.55E-08	1.05E-08	4.01E-07	2.08E-07	8.81E-08	1.04E-07	4.07E-08	2.08E-07	8.81E-08
3417	484863.09	3848877.25	6.72E-04	6.88E-04	6.49E-04	2.32E-07	7.02E-07	4.06E-07	4.16E-07	3.77E-07	1.72E-07	1.62E-07	7.76E-09	1.88E-07	4.14E-08	5.65E-08	8.96E-08	1.58E-08	1.07E-08	4.09E-07	2.12E-07	8.99E-08	1.06E-07	4.16E-08	2.12E-07	8.99E-08
3418	485363.09	3848877.25	6.45E-04	6.61E-04	6.23E-04	2.23E-07	6.74E-07	3.90E-07	4.00E-07	3.62E-07	1.65E-07	1.56E-07	7.46E-09	1.80E-07	3.97E-08	5.43E-08	8.61E-08	1.52E-08	1.03E-08	3.93E-07	2.04E-07	8.64E-08	1.02E-07	3.99E-08	2.04E-07	8.64E-08
3419	485863.09	3848877.25	6.20E-04	6.35E-04	5.99E-04	2.15E-07	6.48E-07	3.75E-07	3.84E-07	3.48E-07	1.59E-07	1.50E-07	7.17E-09	1.73E-07	3.82E-08	5.22E-08	8.27E-08	1.46E-08	9.89E-09	3.78E-07	1.96E-07	8.30E-08	9.77E-08	3.84E-08	1.96E-07	8.30E-08
3420	486363.09	3848877.25	5.84E-04	5.99E-04	5.65E-04	2.02E-07	6.11E-07	3.54E-07	3.62E-07	3.28E-07	1.50E-07	1.41E-07	6.76E-09	1.63E-07	3.60E-08	4.92E-08	7.80E-08	1.37E-08	9.32E-09	3.56E-07	1.84E-07	7.83E-08	9.21E-08	3.62E-08	1.84E-07	7.83E-08
3421	486863.09	3848877.25	5.48E-04	5.61E-04	5.29E-04	1.90E-07	5.72E-07	3.31E-07	3.39E-07	3.08E-07	1.40E-07	1.32E-07	6.33E-09	1.53E-07	3.37E-08	4.61E-08	7.31E-08	1.29E-08	8.73E-09	3.34E-07	1.73E-07	7.33E-08	8.63E-08	3.39E-08	1.73E-07	7.33E-08
3422	487363.09	3848877.25	5.33E-04	5.46E-04	5.15E-04	1.84E-07	5.57E-07	3.22E-07	3.30E-07	2.99E-07	1.37E-07	1.29E-07	6.16E-09	1.49E-07	3.28E-08	4.48E-08	7.11E-08	1.25E-08	8.50E-09	3.25E-07	1.68E-07	7.13E-08	8.39E-08	3.30E-08	1.68E-07	7.13E-08
3423	487863.09	3848877.25	5.11E-04	5.23E-04	4.93E-04	1.77E-07	5.34E-07	3.09E-07	3.16E-07	2.87E-07	1.31E-07	1.23E-07	5.90E-09	1.43E-07	3.15E-08	4.30E-08	6.82E-08	1.20E-08	8.14E-09	3.11E-07	1.61E-07	6.84E-08	8.04E-08	3.16E-08	1.61E-07	6.84E-08
3424	488363.09	3848877.25	4.93E-04	5.05E-04	4.76E-04	1.71E-07	5.15E-07	2.98E-07	3.05E-07	2.77E-07	1.26E-07	1.19E-07	5.70E-09	1.38E-07	3.04E-08	4.15E-08	6.58E-08	1.16E-08	7.86E-09	3.00E-07	1.56E-07	6.60E-08	7.77E-08	3.05E-08	1.56E-07	6.60E-08
3425	488863.09	3848877.25	4.75E-04	4.87E-04	4.59E-04	1.65E-07	4.97E-07	2.88E-07	2.95E-07	2.67E-07	1.22E-07	1.15E-07	5.49E-09	1.33E-07	2.93E-08	4.00E-08	6.34E-08	1.12E-08	7.58E-09	2.90E-07	1.50E-07	6.36E-08	7.49E-08	2.94E-08	1.50E-07	6.36E-08
3426	489363.09	3848877.25	4.65E-04	4.76E-04	4.49E-04	1.61E-07	4.86E-07	2.81E-07	2.88E-07	2.61E-07	1.19E-07	1.12E-07	5.37E-09	1.30E-07	2.86E-08	3.91E-08	6.21E-08	1.09E-08	7.41E-09	2.83E-07	1.47E-07	6.23E-08	7.32E-08	2.88E-08	1.47E-07	6.23E-08
3427	489863.09	3848877.25	4.56E-04	4.67E-04	4.41E-04	1.58E-07	4.77E-07	2.76E-07	2.83E-07	2.56E-07	1.17E-07	1.10E-07	5.27E-09	1.27E-07	2.81E-08	3.84E-08	6.09E-08	1.07E-08	7.27E-09	2.78E-07	1.44E-07	6.11E-08	7.18E-08	2.82E-08	1.44E-07	6.11E-08
3428	490363.09	3848877.25	4.34E-04	4.44E-04	4.19E-04	1.50E-07	4.54E-07	2.63E-07	2.69E-07	2.44E-07	1.11E-07	1.05E-07	5.02E-09	1.21E-07	2.67E-08	3.65E-08	5.79E-08	1.02E-08	6.92E-09	2.64E-07	1.37E-07	5.81E-08	6.84E-08	2.69E-08	1.37E-07	5.81E-08
3429	490863.09	3848877.25	4.13E-04	4.23E-04	3.99E-04	1.43E-07	4.32E-07	2.50E-07	2.56E-07	2.32E-07	1.06E-07	9.99E-08	4.78E-09	1.15E-07	2.55E-08	3.48E-08	5.52E-08	9.72E-09	6.59E-09	2.52E-07	1.30E-07	5.53E-08	6.51E-08	2.56E-08	1.30E-07	5.53E-08
3430	491363.09	3848877.25	3.97E-04	4.07E-04	3.84E-04	1.37E-07	4.15E-07	2.40E-07	2.46E-07	2.23E-07	1.02E-07	9.60E-08	4.59E-09	1.11E-07	2.45E-08	3.34E-08	5.30E-08	9.34E-09	6.33E-09	2.42E-07	1.25E-07	5.32E-08	6.25E-08	2.46E-08	1.25E-07	5.32E-08
3431	491863.09	3848877.25	3.73E-04	3.82E-04	3.61E-04	1.29E-07	3.90E-07	2.26E-07	2.31E-07	2.10E-07	9.57E-08	9.03E-08	4.32E-09	1.04E-07	2.30E-08	3.14E-08	4.98E-08	8.78E-09	5.96E-09	2.28E-07	1.18E-07	5.00E-08	5.88E-08	2.31E-08	1.18E-07	5.00E-08
3432	492363.09	3848877.25	3.51E-04	3.60E-04	3.39E-04	1.22E-07	3.67E-07	2.13E-07	2.18E-07	1.97E-07	9.00E-08	8.49E-08	4.06E-09	9.81E-08	2.16E-08	2.96E-08	4.69E-08	8.26E-09	5.60E-09	2.14E-07	1.11E-07	4.70E-08	5.53E-08	2.17E-08	1.11E-07	4.70E-08
3433	492863.09	3848877.25	3.28E-04	3.36E-04	3.17E-04	1.13E-07	3.42E-07	1.98E-07	2.03E-07	1.84E-07	8.40E-08	7.92E-08	3.79E-09	9.15E-08	2.02E-08	2.76E-08	4.37E-08	7.71E-09	5.23E-09	2.00E-07	1.03E-07	4.39E-08	5.16E-08	2.03E-08	1.03E-07	4.39E-08
3434	493363.09	3848877.25	3.06E-04	3.13E-04	2.95E-04	1.06E-07	3.19E-07	1.85E-07	1.89E-07	1.72E-07	7.83E-08	7.39E-08	3.53E-09	8.53E-08	1.88E-08	2.57E-08	4.08E-08	7.19E-09	4.87E-09	1.86E-07	9.64E-08	4.09E-08	4.81E-08	1.89E-08	9.64E-08	4.09E-08
3435	493863.09	3848877.25	3.03E-04	3.10E-04	2.92E-04	1.05E-07	3.16E-07	1.83E-07	1.88E-07	1.70E-07	7.76E-08	7.32E-08	3.50E-09	8.45E-08	1.86E-08	2.55E-08	4.04E-08	7.12E-09	4.83E-09	1.84E-07	9.55E-08	4.05E-08	4.77E-08	1.87E-08	9.55E-08	4.05E-08
3436	494363.09	3848877.25	2.95E-04	3.02E-04	2.85E-04	1.02E-07	3.09E-07	1.79E-07	1.83E-07	1.66E-07	7.57E-08	7.14E-08	3.41E-09	8.24E-08	1.82E-08	2.48E-08	3.94E-08	6.94E-09	4.71E-09	1.80E-07	9.32E-08	3.95E-08	4.65E-08	1.83E-08	9.32E-08	3.95E-08
3437	494863.09	3848877.25	2.95E-04	3.02E-04	2.85E-04	1.02E-07	3.09E-07	1.79E-07	1.83E-07	1.66E-07	7.57E-08	7.14E-08	3.41E-09	8.24E-08	1.82E-08	2.48E-08	3.94E-08	6.94E-09	4.71E-09	1.80E-07	9.32E-08	3.95E-08	4.65E-08	1.83E-08	9.32E-08	3.95E-08
3438	495363.09	3848877.25	2.92E-04	2.99E-04	2.82E-04	1.01E-07	3.05E-07	1.77E-07	1.81E-07	1.64E-07	7.49E-08	7.07E-08	3.38E-09	8.16E-08	1.80E-08	2.46E-08	3.90E-08	6.87E-09	4.66E-09	1.78E-07	9.22E-08	3.91E-08	4.60E-08	1.81E-08	9.22E-08	3.91E-08
3439	495863.09	3848877.25	2.77E-04	2.84E-04	2.68E-04	9.60E-08	2.90E-07	1.68E-07	1.72E-07	1.56E-07	7.11E-08	6.71E-08	3.21E-09	7.75E-08	1.71E-08	2.33E-08	3.70E-08	6.53E-09	4.43E-09	1.69E-07	8.76E-08	3.72E-08	4.37E-08	1.72E-08	8.76E-08	3.72E-08
3440	496363.09	3848877.25	2.75E-04	2.81E-04	2.65E-04	9.50E-08	2.87E-07	1.66E-07	1.70E-07	1.54E-07	7.04E-08	6.64E-08	3.17E-09	7.66E-08	1.69E-08	2.31E-08	3.66E-08	6.46E-09	4.38E-09	1.67E-07	8.66E-08	3.68E-08	4.32E-08	1.70E-08	8.66E-08	3.68E-08
3441	496863.09	3848877.25	2.85E-04	2.92E-04	2.75E-04	9.86E-08	2.98E-07	1.72E-07	1.77E-07	1.60E-07	7.30E-08	6.89E-08	3.29E-09	7.95E-08	1.76E-08	2.40E-08	3.80E-08	6.70E-09	4.54E-09	1.74E-07	8.99E-08	3.81E-08	4.49E-08	1.76E-08	8.99E-08	3.81E-08
3442	497363.09	3848877.25	3.11E-04	3.19E-04	3.01E-04	1.08E-07	3.25E-07	1.88E-07	1.93E-07	1.75E-07	7.98E-08	7.53E-08	3.60E-09	8.70E-08	1.92E-08	2.62E-08	4.16E-08	7.33E-09	4.97E-09	1.90E-07	9.83E-08	4.17E-08	4.91E-08	1.93E-08	9.83E-08	4.17E-08
3443	497863.09	3848877.25	3.19E-04	3.27E-04	3.08E-04	1.10E-07	3.33E-07	1.93E-07	1.98E-07	1.79E-07	8.17E-08	7.71E-08	3.69E-09	8.90E-08	1.96E-08	2.68E-08	4.26E-08	7.50E-09	5.08E-09	1.94E-07	1.01E-07	4.27E-08	5.02E-08	1.97E-08	1.01E-07	4.27E-08
3444	498363.09	3848877.25	3.23E-04	3.31E-04	3.12E-04	1.12E-07	3.38E-07	1.96E-07	2.00E-07	1.82E-07	8.29E-08	7.82E-08	3.74E-09	9.02E-08	1.99E-08	2.72E-08	4.31E-08	7.60E-09	5.15E-09	1.97E-07	1.02E-07	4.33E-08	5.09E-08	2.00E-08	1.02E-07	4.33E-08
3445	471363.09	3849377.25	4.59E-04	4.70E-04	4.43E-04	1.59E-07	4.80E-07	2.78E-07	2.84E-07	2.58E-07	1.18E-07	1.11E-07	5.31E-09	1.28E-07	2.83E-08	3.86E-08	6.13E-08	1.08E-08	7.32E-09	2.80E-07	1.45E-07	6.15E-08	7.23E-08	2.84E-08	1.45E-07	6.15E-08
3446	471863.09	3849377.25	5.08E-04	5.20E-04	4.90E-04	1.76E-07	5.31E-07	3.07E-07	3.15E-07	2.85E-07	1.30E-07	1.23E-07	5.87E-09	1.42E-07	3.13E-08	4.27E-08	6.78E-08	1.19E-08	8.10E-09	3.09E-07	1.60E-07	6.80E-08	8.00E-08	3.14E-08	1.60E-07	6.80E-08
3447	472363.09	3849377.25	5.64E-04	5.77E-04	5.45E-04	1.95E-07	5.89E-07	3.41E-07	3.49E-07	3.17E-07	1.45E-07	1.36E-07	6.52E-09	1.57E-07	3.47E-08	4.74E-08	7.53E-08	1.33E-08	8.99E-09	3.44E-07	1.78E-07	7.55E-08	8.88E-08	3.49E-08	1.78E-07	7.55E-08
3448	472863.09	3849377.25	6.36E-04	6.52E-04	6.15E-04	2.20E-07	6.65E-07	3.85E-07	3.94E-07	3.57E-07	1.63E-07	1.54E-07	7.35E-09	1.78E-07	3.92E-08	5.35E-08	8.49E-08	1.50E-08	1.01E-08	3.88E-07	2.01E-07	8.52E-08	1.00E-07	3.94E-08	2.01E-07	8.52E-08
3449	473363.09	3849377.25	7.44E-04	7.62E-04	7.19E-04	2.57E-07	7.77E-07	4.50E-07	4.61E-07	4.18E-07	1.91E-07	1.80E-07	8.60E-09	2.08E-07	4.58E-08	6.26E-08	9.93E-08	1.75E-08	1.19E-08	4.53E-07	2.35E-07	9.96E-08	1.17E-07	4.60E-08	2.35E-07	9.96E-08
3450	473863.09	3849377.25	9.02E-04	9.24E-04	8.71E-04	3.12E-07	9.43E-07	5.46E-07	5.59E-07	5.07E-07	2.31E-07	2.18E-07	1.04E-08	2.52E-07	5.56E-08	7.59E-08	1.20E-07	2.12E-08	1.44E-08	5.50E-07	2.85E-07	1.21E-07	1.42E-07	5.58E-08	2.85E-07	1.21E-07
3451	474363.09	3849377.25	1.14E-03	1.17E-03	1.11E-03	3.96E-07	1.20E-06	6.92E-07	7.09E-07	6.43E-07	2.93E-07	2.77E-07	1.32E-08	3.19E-07	7.05E-08	9.62E-08	1.53E-07	2.69E-08	1.82E-08	6.97E-07	3.61E-07	1.53E-07	1.80E-07	7.08E-08	3.61E-07	1.53E-07
3452	474863.09	3849377.25	1.58E-03	1.62E-03	1.53E-03	5.47E-07	1.65E-06	9.56E-07	9.80E-07	8.88E-07	4.05E-07	3.82E-07	1.83E-08	4.41E-07	9.74E-08	1.33E-07	2.11E-07	3.72E-08	2.52E-08	9.63E-07	4.99E-07	2.12E-07	2.49E-07	9.78E-08	4.99E-07	2.12E-07
3453	475363.09	3849377.25	2.58E-03	2.64E-03	2.49E-03	8.93E-07	2.69E-06	1.56E-06	1.60E-06	1.45E-06	6.61E-07	6.23E-07	2.98E-08	7.20E-07	1.59E-07	2.17E-07	3.44E-07	6.07E-08	4.11E-08	1.57E-06	8.14E-07	3.45E-07	4.06E-07	1.60E-07	8.14E-07	3.45E-07
3454	475863.09	3849377.25	4.46E-03	4.57E-03	4.31E-03	1.54E-06	4.66E-06	2.70E-06	2.76E-06	2.50E-06	1.14E-06	1.08E-06	5.15E-08	1.24E-06	2.75E-07	3.75E-07	5.95E-07	1.05E-07	7.11E-08	2.72E-06	1.41E-06	5.97E-07	7.02E-07	2.76E-07	1.41E-06	5.97E-07
3455	476363.09	3849377.25	9.75E-03	9.98E-03	9.42E-03	3.37E-06	1.02E-05	5.90E-06	6.04E-06	5.48E-06	2.50E-06	2.36E-06	1.13E-07	2.72E-06	6.01E-07	8.20E-07	1.30E-06	2.29E-07	1.55E-07	5.94E-06	3.08E-06	1.31E-06	1.54E-06	6.03E-07	3.08E-06	1.31E-06
3456	476863.09	3849377.25	2.70E-02	2.76E-02	2.61E-02	9.34E-06	2.82E-05	1.63E-05	1.67E-05	1.52E-05	6.92E-06	6.52E-06	3.12E-07	7.53E-06	1.66E-06	2.27E-06	3.60E-06	6.35E-07	4.30E-07	1.64E-05	8.52E-06	3.61E-06	4.25E-06	1.67E-06	8.52E-06	3.61E-06
3457	477363.09	3849377.25	7.75E-03	7.94E-03	7.49E-03	2.68E-06	8.10E-06	4.69E-06	4.81E-06	4.36E-06	1.99E-06	1.87E-06	8.96E-08	2.17E-06	4.78E-07	6.52E-07	1.04E-06	1.82E-07	1.24E-07	4.73E-06	2.45E-06	1.04E-06	1.22E-06	4.80E-07	2.45E-06	1.04E-06
3458	477863.09	3849377.25	4.65E-03	4.76E-03	4.49E-03	1.61E-06	4.86E-06	2.81E-06	2.88E-06	2.61E-06	1.19E-06	1.12E-06	5.38E-08	1.30E-06	2.87E-07	3.91E-07	6.21E-07	1.09E-07	7.42E-08	2.84E-06	1.47E-06	6.23E-07	7.33E-07	2.88E-07	1.47E-06	6.23E-07

3459	478363.09	3849377.25	3.43E-03	3.51E-03	3.31E-03	1.19E-06	3.58E-06	2.07E-06	2.12E-06	1.92E-06	8.78E-07	8.28E-07	3.96E-08	9.56E-07	2.11E-07	2.88E-07	4.57E-07	8.06E-08	5.46E-08	2.09E-06	1.08E-06	4.59E-07	5.40E-07	2.12E-07	1.08E-06	4.59E-07
3460	478863.09	3849377.25	2.59E-03	2.65E-03	2.50E-03	8.96E-07	2.71E-06	1.57E-06	1.60E-06	1.45E-06	6.64E-07	6.26E-07	2.99E-08	7.23E-07	1.59E-07	2.18E-07	3.46E-07	6.09E-08	4.13E-08	1.58E-06	8.17E-07	3.47E-07	4.08E-07	1.60E-07	8.17E-07	3.47E-07
3461	479363.09	3849377.25	2.12E-03	2.17E-03	2.04E-03	7.33E-07	2.21E-06	1.28E-06	1.31E-06	1.19E-06	5.43E-07	5.12E-07	2.45E-08	5.91E-07	1.30E-07	1.78E-07	2.82E-07	4.98E-08	3.38E-08	1.29E-06	6.68E-07	2.83E-07	3.33E-07	1.31E-07	6.68E-07	2.83E-07
3462	479863.09	3849377.25	1.66E-03	1.70E-03	1.61E-03	5.76E-07	1.74E-06	1.01E-06	1.03E-06	9.34E-07	4.26E-07	4.02E-07	1.92E-08	4.64E-07	1.02E-07	1.40E-07	2.22E-07	3.91E-08	2.65E-08	1.01E-06	5.25E-07	2.23E-07	2.62E-07	1.03E-07	5.25E-07	2.23E-07
3463	480363.09	3849377.25	1.58E-03	1.61E-03	1.52E-03	5.46E-07	1.65E-06	9.54E-07	9.77E-07	8.85E-07	4.04E-07	3.81E-07	1.82E-08	4.40E-07	9.71E-08	1.33E-07	2.10E-07	3.71E-08	2.51E-08	9.61E-07	4.97E-07	2.11E-07	2.48E-07	9.76E-08	4.97E-07	2.11E-07
3464	480863.09	3849377.25	1.39E-03	1.42E-03	1.34E-03	4.80E-07	1.45E-06	8.39E-07	8.59E-07	7.79E-07	3.55E-07	3.35E-07	1.60E-08	3.87E-07	8.54E-08	1.17E-07	1.85E-07	3.26E-08	2.21E-08	8.45E-07	4.37E-07	1.86E-07	2.18E-07	8.58E-08	4.37E-07	1.86E-07
3465	481363.09	3849377.25	1.19E-03	1.22E-03	1.15E-03	4.11E-07	1.24E-06	7.18E-07	7.35E-07	6.67E-07	3.04E-07	2.87E-07	1.37E-08	3.31E-07	7.31E-08	9.98E-08	1.58E-07	2.79E-08	1.89E-08	7.23E-07	3.75E-07	1.59E-07	1.87E-07	7.34E-08	3.75E-07	1.59E-07
3466	481863.09	3849377.25	9.73E-04	9.96E-04	9.40E-04	3.37E-07	1.02E-06	5.88E-07	6.03E-07	5.46E-07	2.49E-07	2.35E-07	1.12E-08	2.72E-07	5.99E-08	8.18E-08	1.30E-07	2.29E-08	1.55E-08	5.93E-07	3.07E-07	1.30E-07	1.53E-07	6.02E-08	3.07E-07	1.30E-07
3467	482363.09	3849377.25	8.68E-04	8.89E-04	8.38E-04	3.00E-07	9.07E-07	5.25E-07	5.38E-07	4.88E-07	2.22E-07	2.10E-07	1.00E-08	2.42E-07	5.35E-08	7.30E-08	1.16E-07	2.04E-08	1.38E-08	5.29E-07	2.74E-07	1.16E-07	1.37E-07	5.37E-08	2.74E-07	1.16E-07
3468	482863.09	3849377.25	7.65E-04	7.83E-04	7.39E-04	2.65E-07	7.99E-07	4.63E-07	4.74E-07	4.29E-07	1.96E-07	1.85E-07	8.84E-09	2.13E-07	4.71E-08	6.43E-08	1.02E-07	1.80E-08	1.22E-08	4.66E-07	2.41E-07	1.02E-07	1.20E-07	4.73E-08	2.41E-07	1.02E-07
3469	483363.09	3849377.25	7.03E-04	7.20E-04	6.79E-04	2.43E-07	7.34E-07	4.25E-07	4.35E-07	3.95E-07	1.80E-07	1.70E-07	8.12E-09	1.96E-07	4.33E-08	5.91E-08	9.38E-08	1.65E-08	1.12E-08	4.28E-07	2.22E-07	9.41E-08	1.11E-07	4.35E-08	2.22E-07	9.41E-08
3470	483863.09	3849377.25	6.30E-04	6.45E-04	6.09E-04	2.18E-07	6.59E-07	3.81E-07	3.91E-07	3.54E-07	1.62E-07	1.52E-07	7.28E-09	1.76E-07	3.88E-08	5.30E-08	8.41E-08	1.48E-08	1.01E-08	3.84E-07	1.99E-07	8.44E-08	9.93E-08	3.90E-08	1.99E-07	8.44E-08
3471	484363.09	3849377.25	7.17E-04	7.35E-04	6.93E-04	2.48E-07	7.50E-07	4.34E-07	4.45E-07	4.03E-07	1.84E-07	1.73E-07	8.29E-09	2.00E-07	4.42E-08	6.04E-08	9.57E-08	1.69E-08	1.14E-08	4.37E-07	2.26E-07	9.61E-08	1.13E-07	4.44E-08	2.26E-07	9.61E-08
3472	484863.09	3849377.25	7.42E-04	7.60E-04	7.17E-04	2.57E-07	7.76E-07	4.49E-07	4.60E-07	4.17E-07	1.90E-07	1.79E-07	8.58E-09	2.07E-07	4.57E-08	6.25E-08	9.91E-08	1.75E-08	1.18E-08	4.52E-07	2.34E-07	9.94E-08	1.17E-07	4.59E-08	2.34E-07	9.94E-08
3473	485363.09	3849377.25	7.11E-04	7.29E-04	6.87E-04	2.46E-07	7.44E-07	4.30E-07	4.41E-07	4.00E-07	1.82E-07	1.72E-07	8.22E-09	1.99E-07	4.38E-08	5.99E-08	9.50E-08	1.67E-08	1.13E-08	4.34E-07	2.25E-07	9.53E-08	1.12E-07	4.40E-08	2.25E-07	9.53E-08
3474	485863.09	3849377.25	6.30E-04	6.45E-04	6.09E-04	2.18E-07	6.59E-07	3.81E-07	3.91E-07	3.54E-07	1.62E-07	1.52E-07	7.28E-09	1.76E-07	3.88E-08	5.30E-08	8.41E-08	1.48E-08	1.01E-08	3.84E-07	1.99E-07	8.44E-08	9.93E-08	3.90E-08	1.99E-07	8.44E-08
3475	486363.09	3849377.25	5.64E-04	5.77E-04	5.45E-04	1.95E-07	5.89E-07	3.41E-07	3.49E-07	3.17E-07	1.45E-07	1.36E-07	6.52E-09	1.57E-07	3.47E-08	4.74E-08	7.53E-08	1.33E-08	8.99E-09	3.44E-07	1.78E-07	7.55E-08	8.88E-08	3.49E-08	1.78E-07	7.55E-08
3476	486863.09	3849377.25	5.87E-04	6.02E-04	5.67E-04	2.03E-07	6.14E-07	3.55E-07	3.64E-07	3.30E-07	1.51E-07	1.42E-07	6.79E-09	1.64E-07	3.62E-08	4.94E-08	7.84E-08	1.38E-08	9.37E-09	3.58E-07	1.85E-07	7.87E-08	9.25E-08	3.64E-08	1.85E-07	7.87E-08
3477	487363.09	3849377.25	5.76E-04	5.90E-04	5.56E-04	1.99E-07	6.02E-07	3.48E-07	3.57E-07	3.23E-07	1.48E-07	1.39E-07	6.65E-09	1.61E-07	3.55E-08	4.84E-08	7.68E-08	1.35E-08	9.18E-09	3.51E-07	1.82E-07	7.71E-08	9.07E-08	3.56E-08	1.82E-07	7.71E-08
3478	487863.09	3849377.25	5.52E-04	5.65E-04	5.33E-04	1.91E-07	5.77E-07	3.34E-07	3.42E-07	3.10E-07	1.41E-07	1.33E-07	6.38E-09	1.54E-07	3.40E-08	4.64E-08	7.37E-08	1.30E-08	8.80E-09	3.36E-07	1.74E-07	7.39E-08	8.70E-08	3.42E-08	1.74E-07	7.39E-08
3479	488363.09	3849377.25	5.30E-04	5.43E-04	5.12E-04	1.83E-07	5.54E-07	3.21E-07	3.28E-07	2.98E-07	1.36E-07	1.28E-07	6.12E-09	1.48E-07	3.26E-08	4.46E-08	7.07E-08	1.25E-08	8.45E-09	3.23E-07	1.67E-07	7.10E-08	8.35E-08	3.28E-08	1.67E-07	7.10E-08
3480	488863.09	3849377.25	5.14E-04	5.26E-04	4.96E-04	1.78E-07	5.37E-07	3.11E-07	3.18E-07	2.89E-07	1.32E-07	1.24E-07	5.94E-09	1.43E-07	3.16E-08	4.32E-08	6.86E-08	1.21E-08	8.19E-09	3.13E-07	1.62E-07	6.88E-08	8.09E-08	3.18E-08	1.62E-07	6.88E-08
3481	489363.09	3849377.25	4.99E-04	5.11E-04	4.82E-04	1.73E-07	5.21E-07	3.02E-07	3.09E-07	2.80E-07	1.28E-07	1.21E-07	5.77E-09	1.39E-07	3.07E-08	4.20E-08	6.66E-08	1.17E-08	7.96E-09	3.04E-07	1.57E-07	6.68E-08	7.86E-08	3.09E-08	1.57E-07	6.68E-08
3482	489863.09	3849377.25	4.80E-04	4.91E-04	4.63E-04	1.66E-07	5.01E-07	2.90E-07	2.97E-07	2.69E-07	1.23E-07	1.16E-07	5.54E-09	1.34E-07	2.96E-08	4.04E-08	6.40E-08	1.13E-08	7.65E-09	2.92E-07	1.51E-07	6.42E-08	7.56E-08	2.97E-08	1.51E-07	6.42E-08
3483	490363.09	3849377.25	4.53E-04	4.64E-04	4.38E-04	1.57E-07	4.74E-07	2.74E-07	2.81E-07	2.55E-07	1.16E-07	1.10E-07	5.24E-09	1.27E-07	2.79E-08	3.81E-08	6.05E-08	1.07E-08	7.23E-09	2.76E-07	1.43E-07	6.07E-08	7.14E-08	2.80E-08	1.43E-07	6.07E-08
3484	490863.09	3849377.25	4.32E-04	4.43E-04	4.18E-04	1.50E-07	4.52E-07	2.62E-07	2.68E-07	2.43E-07	1.11E-07	1.05E-07	5.00E-09	1.21E-07	2.66E-08	3.64E-08	5.77E-08	1.02E-08	6.90E-09	2.64E-07	1.36E-07	5.79E-08	6.81E-08	2.68E-08	1.36E-07	5.79E-08
3485	491363.09	3849377.25	4.15E-04	4.25E-04	4.01E-04	1.44E-07	4.33E-07	2.51E-07	2.57E-07	2.33E-07	1.06E-07	1.00E-07	4.79E-09	1.16E-07	2.56E-08	3.49E-08	5.54E-08	9.76E-09	6.61E-09	2.53E-07	1.31E-07	5.55E-08	6.53E-08	2.57E-08	1.31E-07	5.55E-08
3486	491863.09	3849377.25	3.88E-04	3.98E-04	3.75E-04	1.34E-07	4.06E-07	2.35E-07	2.41E-07	2.18E-07	9.95E-08	9.39E-08	4.49E-09	1.08E-07	2.39E-08	3.27E-08	5.18E-08	9.13E-09	6.19E-09	2.37E-07	1.23E-07	5.20E-08	6.11E-08	2.40E-08	1.23E-07	5.20E-08
3487	492363.09	3849377.25	3.65E-04	3.73E-04	3.52E-04	1.26E-07	3.81E-07	2.21E-07	2.26E-07	2.05E-07	9.34E-08	8.81E-08	4.21E-09	1.02E-07	2.25E-08	3.07E-08	4.87E-08	8.58E-09	5.81E-09	2.22E-07	1.15E-07	4.88E-08	5.74E-08	2.26E-08	1.15E-07	4.88E-08
3488	492863.09	3849377.25	3.34E-04	3.42E-04	3.22E-04	1.15E-07	3.49E-07	2.02E-07	2.07E-07	1.87E-07	8.55E-08	8.06E-08	3.86E-09	9.31E-08	2.06E-08	2.81E-08	4.45E-08	7.85E-09	5.32E-09	2.03E-07	1.05E-07	4.47E-08	5.25E-08	2.06E-08	1.05E-07	4.47E-08
3489	493363.09	3849377.25	3.19E-04	3.27E-04	3.08E-04	1.10E-07	3.33E-07	1.93E-07	1.98E-07	1.79E-07	8.17E-08	7.71E-08	3.69E-09	8.90E-08	1.96E-08	2.68E-08	4.26E-08	7.50E-09	5.08E-09	1.94E-07	1.01E-07	4.27E-08	5.02E-08	1.97E-08	1.01E-07	4.27E-08
3490	493863.09	3849377.25	3.08E-04	3.16E-04	2.98E-04	1.07E-07	3.22E-07	1.87E-07	1.91E-07	1.73E-07	7.91E-08	7.46E-08	3.57E-09	8.61E-08	1.90E-08	2.60E-08	4.12E-08	7.26E-09	4.92E-09	1.88E-07	9.74E-08	4.13E-08	4.86E-08	1.91E-08	9.74E-08	4.13E-08
3491	494363.09	3849377.25	3.07E-04	3.14E-04	2.97E-04	1.06E-07	3.21E-07	1.86E-07	1.90E-07	1.72E-07	7.87E-08	7.42E-08	3.55E-09	8.57E-08	1.89E-08	2.58E-08	4.10E-08	7.22E-09	4.90E-09	1.87E-07	9.69E-08	4.11E-08	4.84E-08	1.90E-08	9.69E-08	4.11E-08
3492	494863.09	3849377.25	3.20E-04	3.28E-04	3.09E-04	1.11E-07	3.35E-07	1.94E-07	1.98E-07	1.80E-07	8.21E-08	7.74E-08	3.70E-09	8.94E-08	1.97E-08	2.69E-08	4.27E-08	7.53E-09	5.11E-09	1.95E-07	1.01E-07	4.29E-08	5.05E-08	1.98E-08	1.01E-07	4.29E-08
3493	495363.09	3849377.25	3.20E-04	3.28E-04	3.09E-04	1.11E-07	3.35E-07	1.94E-07	1.98E-07	1.80E-07	8.21E-08	7.74E-08	3.70E-09	8.94E-08	1.97E-08	2.69E-08	4.27E-08	7.53E-09	5.11E-09	1.95E-07	1.01E-07	4.29E-08	5.05E-08	1.98E-08	1.01E-07	4.29E-08
3494	495863.09	3849377.25	2.82E-04	2.89E-04	2.72E-04	9.76E-08	2.95E-07	1.71E-07	1.75E-07	1.58E-07	7.23E-08	6.82E-08	3.26E-09	7.87E-08	1.74E-08	2.37E-08	3.76E-08	6.63E-09	4.50E-09	1.72E-07	8.90E-08	3.77E-08	4.44E-08	1.74E-08	8.90E-08	3.77E-08
3495	496363.09	3849377.25	2.73E-04	2.80E-04	2.64E-04	9.45E-08	2.85E-07	1.65E-07	1.69E-07	1.53E-07	7.00E-08	6.60E-08	3.16E-09	7.62E-08	1.68E-08	2.30E-08	3.64E-08	6.42E-09	4.35E-09	1.66E-07	8.62E-08	3.66E-08	4.30E-08	1.69E-08	8.62E-08	3.66E-08
3496	496863.09	3849377.25	3.07E-04	3.14E-04	2.97E-04	1.06E-07	3.21E-07	1.86E-07	1.90E-07	1.72E-07	7.87E-08	7.42E-08	3.55E-09	8.57E-08	1.89E-08	2.58E-08	4.10E-08	7.22E-09	4.90E-09	1.87E-07	9.69E-08	4.11E-08	4.84E-08	1.90E-08	9.69E-08	4.11E-08
3497	497363.09	3849377.25	3.13E-04	3.20E-04	3.02E-04	1.08E-07	3.27E-07	1.89E-07	1.94E-07	1.76E-07	8.02E-08	7.57E-08	3.62E-09	8.74E-08	1.93E-08	2.63E-08	4.18E-08	7.36E-09	4.99E-09	1.91E-07	9.88E-08	4.19E-08	4.93E-08	1.94E-08	9.88E-08	4.19E-08
3498	497863.09	3849377.25	3.44E-04	3.52E-04	3.32E-04	1.19E-07	3.59E-07	2.08E-07	2.13E-07	1.93E-07	8.81E-08	8.31E-08	3.98E-09	9.60E-08	2.12E-08	2.89E-08	4.59E-08	8.09E-09	5.48E-09	2.10E-07	1.09E-07	4.60E-08	5.42E-08	2.13E-08	1.09E-07	4.60E-08
3499	498363.09	3849377.25	3.32E-04	3.40E-04	3.21E-04	1.15E-07	3.47E-07	2.01E-07	2.06E-07	1.87E-07	8.51E-08	8.03E-08	3.84E-09	9.27E-08	2.05E-08	2.79E-08	4.43E-08	7.81E-09	5.30E-09	2.02E-07	1.05E-07	4.45E-08	5.23E-08	2.06E-08	1.05E-07	4.45E-08
3500	471363.09	3849877.25	3.87E-04	3.96E-04	3.74E-04	1.34E-07	4.04E-07	2.34E-07	2.40E-07	2.17E-07	9.91E-08	9.35E-08	4.47E-09	1.08E-07	2.38E-08	3.25E-08	5.16E-08	9.10E-09	6.17E-09	2.36E-07	1.22E-07	5.18E-08	6.09E-08	2.39E-08	1.22E-07	5.18E-08
3501	471863.09	3849877.25	4.53E-04	4.64E-04	4.38E-04	1.57E-07	4.74E-07	2.74E-07	2.81E-07	2.55E-07	1.16E-07	1.10E-07	5.24E-09	1.27E-07	2.79E-08	3.81E-08	6.05E-08	1.07E-08	7.23E-09	2.76E-07	1.43E-07	6.07E-08	7.14E-08	2.80E-08	1.43E-07	6.07E-08
3502	472363.09	3849877.25	5.03E-04	5.15E-04	4.86E-04	1.74E-07	5.26E-07	3.05E-07	3.12E-07	2.83E-07	1.29E-07	1.22E-07	5.82E-09	1.41E-07	3.10E-08	4.23E-08	6.72E-08	1.18E-08	8.03E-09	3.07E-07	1.59E-07	6.74E-08	7.93E-08	3.11E-08	1.59E-07	6.74E-08
3503	472863.09	3849877.25	5.52E-04	5.65E-04	5.33E-04	1.91E-07	5.77E-07	3.34E-07	3.42E-07	3.10E-07	1.41E-07	1.33E-07	6.38E-09	1.54E-07	3.40E-08	4.64E-08	7.37E-08	1.30E-08	8.80E-09	3.36E-07	1.74E-07	7.39E-08	8.70E-08	3.42E-08	1.74E-07	7.39E-08
3504	473363.09	3849877.25	6.17E-04	6.32E-04	5.96E-04	2.14E-07	6.45E-07	3.73E-07	3.82E-07	3.47E-07	1.58E-07	1.49E-07	7.13E-09	1.72E-07	3.80E-08	5.19E-08	8.23E-08	1.45E-08	9.84E-09	3.76E-07	1.95E-07	8.26E-08	9.72E-08	3.82E-08	1.95E-07	8.26E-08
3505	473863.09	3849877.25	7.01E-04	7.18E-04	6.77E-04	2.43E-07	7.33E-07	4.24E-07	4.34E-07	3.94E-07	1.80E-07	1.70E-07	8.10E-09	1.96E-07	4.32E-08	5.90E-08	9.36E-08	1.65E-08	1.12E-08	4.27E-07	2.21E-07	9.39E-08	1.10E-07	4.34E-08	2.21E-07	9.39E-08
3506	474363.09	3849877.25	8.15E-04	8.34E-04	7.87E-04	2.82E-07	8.52E-07	4.93E-07	5.05E-07	4.58E-07	2.09E-07	1.97E-07	9.42E-09	2.27E-07	5.02E-08	6.85E-08	1.09E-07	1.92E-08	1.30E-08	4.97E-07	2.57E-07	1.09E-07	1.28E-07	5.04E-08	2.57E-07	1.09E-07
3507	474863.09	3849877.25	9.55E-04	9.78E-04	9.23E-04	3.31E-07	9.98E-07	5.78E-07	5.92E-07	5.36E-07	2.45E-07	2.31E-07	1.10E-08	2.67E-07	5.88E-08	8.03E-08	1.27E-07	2.25E-08	1.52E-08	5.82E-07	3.01E-07	1.28E-07	1.50E-07	5.91E-08	3.01E-07	1.28E-07
3508	475363.09	3849877.25	1.14E-03	1.17E-03	1.11E-03	3.96E-07	1.20E-06	6.92E-07	7.09E-07	6.43E-07	2.93E-07	2.77E-07	1.32E-08	3.19E-07	7.05E-08	9.62E-08	1.53E-07	2.69E-08	1.82E-08	6.97E-07	3.61E-07	1.53E-07	1.80E-07	7.08E-08	3.61E-07	1.53E-07
3509	475863.09	3849877.25	1.40E-03	1.43E-03	1.35E-03	4.83E-07	1.46E-06	8.45E-07	8.65E-07	7.84E-07	3.58E-07	3.38E-07	1.61E-08	3.90E-07	8.60E-08	1.17E-07	1.86E-07	3.28E-08	2.23E-08	8.51E-07	4.41E-07	1.87E-07	2.20E-07	8.64E-08	4.41E-07	1.87E-07
3510	476363.09	3849877.25	1.78E-03	1.83E-03	1.72E-03	6.17E-07	1.86E-06	1.08E-06	1.10E-06	1.00E-06	4.57E-07	4.31E-07	2.06E-08	4.98E-07	1.10E-07	1.50E-07	2.38E-07	4.19E-08	2.84E-08	1.09E-06	5.63E-07	2.39E-07	2.81E-07	1.10E-07	5.63E-07	2.39E-07
3511	476863.09	3849877.25	2.65E-03	2.71E-03	2.56E-03	9.17E-07	2.77E-06	1.60E-06	1.64E-06	1.49E-06	6.79E-07	6.40E-07	3.06E-08	7.39E-07	1.63E-07	2.23E-07	3.53E-07	6.23E-08	4.22E-08	1.61E-06	8.36E-07	3.55E-07	4.17E-07	1.64E-07	8.36E-07	3.55E-07
3512	477363.09	3849877.25	6.25E-03	6.40E-03	6.04E-03	2.16E-06	6.54E-06	3.78E-06	3.88E-06	3.51E-06	1.60E-06	1.51E-06	7.23E-08	1.75E-06	3.85E-07	5.26E-07	8.35E-07	1.47E-07	9.97E-08	3.81E-06	1.97E-06	8.37E-07	9.85E-07	3.87E-07	1.97E-06	8.37E-07
3513	477863.09	3849877.25	3.01E-02	3.09E-02	2.91E-02	1.04E-05	3.15E-05	1.82E-05	1.87E-05	1.69E-05	7.72E-06	7.29E-06	3.48E-07	8.41E-06	1.86E-06	2.54E-06	4.02E-06	7.09E-07	4.81E-07	1.84E-05	9.51E-06	4.03E-06	4.75E-06	1.86E-06	9.51E-06	4.03E-06
3514	478363.09	3849877.25	8.22E-03	8.42E-03	7.94E-03	2.85E-06	8.59E-06	4.97E-06	5.09E-06	4.62E-06	2.11E-06	1.99E-06	9.50E-08	2.29E-06	5.06E-07	6.92E-07	1.10E-06	1.93E-07	1.31E-07	5.01E-06	2.59E-06	1.10E-06	1.29E-06	5.09E-07	2.59E-06	1.10E-06
3515	478863.09	3849877.25	4.94E-03	5.05E-03	4.77E-03	1.71E-06	5.16E-06	2.99E-06	3.06E-06	2.77E-06	1.27E-06	1.19E-06	5.70E-08	1.38E-06	3.04E-07	4.15E-07	6.59E-07	1.16E-07	7.87E-08	3.01E-06	1.56E-06	6.61E-07	7.77E-07	3.05E-07	1.56E-06	6.61E-07
3516	479363.09	3849877.25	3.39E-03	3.47E-03	3.27E-03	1.17E-06	3.54E-06	2.05E-06	2.10E-06	1.90E-06	8.69E-07	8.19E-07	3.92E-08	9.46E-07	2.09E-07	2.85E-07	4.52E-07	7.97E-08	5.40E-08	2.07E-06	1.07E-06	4.54E-07	5.34E-07	2.10E-07	1.07E-06	4.54E-07
3517	479863.09	3849877.25	2.70E-03	2.76E-03	2.61E-03	9.33E-07	2.82E-06	1.63E-06	1.67E-06	1.51E-06	6.91E-07	6.52E-07	3.12E-08	7.53E-07	1.66E-07	2.27E-07	3.60E-07	6.34E-08	4.30E-08	1.64E-06	8.51E-07	3.61E-07	4.25E-07	1.67E-07	8.51E-07	3.61E-07
3518	480363.09	3849877.25	2.06E-03	2.11E-03	1.99E-03	7.13E-07	2.15E-06	1.25E-06	1.28E-06	1.16E-06	5.28E-07	4.98E-07	2.38E-08	5.75E-07	1.27E-07	1.73E-07	2.75E-07	4.85E-08	3.29E-08	1.26E-06	6.50E-07	2.76E-07	3.25E-07	1.28E-07	6.50E-07	2.76E-07
3519	480863.09	3849877.25	1.67E-03	1.71E-03	1.62E-03	5.79E-07	1.75E-06	1.01E-06	1.04E-06	9.39E-07	4.29E-07	4.04E-07	1.93E-08	4.67E-07	1.03E-07	1.41E-07	2.23E-07	3.93E-08	2.67E-08	1.02E-06	5.28E-07	2.24E-07	2.63E-07	1.03E-07	5.28E-07	2.24E-07
3520	481363.09	3849877.25	1.43E-03	1.47E-03	1.38E-03	4.96E-07	1.50E-06	8.66E-07	8.87E-07	8.04E-07	3.67E-07	3.46E-07	1.65E-08	4.00E-07	8.82E-08	1.20E-07	1.91E-07	3.37E-08	2.28E-08	8.73E-07	4.52E-07	1.92E-07	2.26E-07	8.86E-08	4.52E-07	1.92E-07
3521	481863.09	3849877.25	1.11E-03	1.14E-03	1.07E-03	3.84E-07	1.16E-06	6.71E-07	6.87E-07	6.23E-07	2.84E-07	2.68E-07	1.28E-08	3.09E-07	6.83E-08	9.33E-08	1.48E-07	2.61E-08	1.77E-08	6.76E-07	3.50E-07	1.48E-07	1.75E-07	6.86E-08	3.50E-07	1.48E-07
3522	482363.09	3849877.25	9.49E-04	9.72E-04	9.17E-04	3.29E-07	9.92E-07	5.74E-07	5.88E-07	5.33E-07	2.43E-07	2.29E-07	1.10E-08	2.65E-07	5.85E-08	7.98E-08	1.27E-07	2.23E-08	1.51E-08	5.78E-07	3.00E-07	1.27E-07	1.49E-07	5.87E-08	3.00E-07	1.27E-07
3523	482863.09	3849877.25	8.41E-04	8.62E-04	8.13E-04	2.91E-07	8.79E-07	5.09E-07	5.21E-07	4.73E-07	2.16E-07	2.03E-07	9.72E-09	2.35E-07	5.18E-08	7.08E-08	1.12E-07	1.98E-08	1.34E-08	5.13E-07	2.66E-07	1.13E-07	1.33E-07	5.21E-08	2.66E-07	1.13E-07
3524	483363.09	3849877.25	7.47E-04	7.65E-04	7.21E-04	2.59E-07	7.81E-07	4.52E-07	4.63E-07	4.20E-07	1.91E-07	1.81E-07	8.63E-09	2.09E-07	4.60E-08	6.28E-08	9.97E-08	1.76E-08	1.19E-08	4.55E-07	2.36E-07	1.00E-07	1.18E-07	4.62E-08	2.36E-07	1.00E-07
3525	483863.09	3849877.25	7.10E-04	7.27E-04	6.86E-04	2.46E-07	7.42E-07	4.30E-07	4.40E-07	3.99E-07	1.82E-07	1.72E-07	8.21E-09	1.98E-07	4.37E-08	5.97E-08	9.48E-08	1.67E-08	1.13E-08	4.33E-07	2.24E-07	9.51E-08	1.12E-07	4.39E-08	2.24E-07	9.51E-08
3526	484363.09	3849877.25	7.78E-04	7.97E-04	7.51E-04	2.69E-07	8.13E-07	4.71E-07	4.82E-07	4.37E-07	1.99E-07	1.88E-07	8.99E-09	2.17E-07	4.79E-08	6.54E-08	1.04E-07	1.83E-08	1.24E-08	4.74E-07	2.45E-07	1.04E-07	1.23E-07	4.81E-08	2.45E-07	1.04E-07
3527	484863.09	3849877.25	8.28E-04	8.48E-04	8.00E-04	2.87E-07	8.65E-07	5.01E-07	5.13E-07	4.65E-07	2.12E-07	2.00E-07	9.57E-09	2.31E-07	5.10E-08	6.97E-08	1.11E-07	1.95E-08	1.32E-08	5.05E-07	2.61E-07	1.11E-07	1.30E-07	5.12E-08	2.61E-07	1.11E-07
3528	485363.09	3849877.25	7.70E-04	7.89E-04	7.44E-04	2.67E-07	8.05E-07	4.66E-07	4.77E-07	4.33E-07	1.97E-07	1.86E-07	8.91E-09	2.15E-07	4.75E-08	6.48E-08	1.03E-07	1.81E-08	1.23E-08	4.70E-07	2.43E-07	1.03E-07	1.21E-07	4.77E-08	2.43E-07	1.03E-07
3529	485863.09	3849877.25	7.00E-04	7.17E-04	6.76E-04	2.42E-07	7.31E-07	4.23E-07	4.34E-07	3.93E-07	1.79E-07	1.69E-07	8.09E-09	1.95E-07	4.31E-08	5.89E-08	9.34E-08	1.65E-08	1.12E-08	4.26E-07	2.21E-07	9.37E-08	1.10E-07	4.33E-08	2.21E-07	9.37E-08
3530	486363.09	3849877.25	6.55E-04	6.71E-04	6.33E-04	2.27E-07	6.85E-07	3.96E-07	4.06E-07	3.68E-07	1.68E-07	1.58E-07	7.57E-09	1.83E-07	4.04E-08	5.51E-08	8.75E-08	1.54E-08	1.05E-08	3.99E-07	2.07E-07	8.78E-08	1.03E-07	4.06E-08	2.07E-07	8.78E-08
3531	486863.09	3849877.25	6.54E-04	6.70E-04	6.32E-04	2.26E-07	6.83E-07	3.96E-07	4.05E-07	3.67E-07	1.68E-07	1.58E-07	7.56E-09	1.83E-07	4.03E-08	5.50E-08	8.73E-08	1.54E-08	1.04E-08	3.98E-07	2.06E-07	8.76E-08	1.03E-07	4.05E-08	2.06E-07	8.76E-08
3532	487363.09	3849877.25	6.27E-04	6.42E-04	6.06E-04	2.17E-07	6.56E-07	3.80E-07	3.89E-07	3.52E-07	1.61E-07	1.52E-07	7.25E-09	1.75E-07	3.86E-08	5.28E-08	8.37E-08	1.48E-08	1.00E-08	3.82E-07	1.98E-07	8.40E-08	9.88E-08	3.88E-08	1.98E-07	8.40E-08
3533	487863.09	3849877.25	5.98E-04	6.12E-04	5.77E-04	2.07E-07	6.25E-07	3.62E-07	3.70E-07	3.36E-07	1.53E-07	1.45E-07	6.91E-09	1.67E-07	3.68E-08	5.03E-08	7.98E-08	1.41E-08	9.53E-09	3.64E-07	1.89E-07	8.00E-08	9.42E-08	3.70E-08	1.89E-07	8.00E-08
3534	488363.09	3849877.25	5.73E-04	5.87E-04	5.53E-04	1.98E-07	5.99E-07	3.46E-07	3.55E-07	3.22E-07	1.47E-07	1.38E-07	6.62E-09	1.60E-07	3.53E-08	4.82E-08	7.64E-08	1.35E-08	9.13E-09	3.49E-07	1.81E-07	7.67E-08	9.02E-08	3.54E-08	1.81E-07	7.67E-08
3535	488863.09	3849877.25	5.52E-04	5.65E-04	5.33E-04	1.91E-07	5.77E-07	3.34E-07	3.42E-07	3.10E-07	1.41E-07	1.33E-07	6.38E-09	1.54E-07	3.40E-08	4.64E-08	7.37E-08	1.30E-08	8.80E-09	3.36E-07	1.74E-07	7.39E-08	8.70E-08	3.42E-08	1.74E-07	7.39E-08

3536	489363.09	3849877.25	5.28E-04	5.41E-04	5.10E-04	1.83E-07	5.52E-07	3.20E-07	3.27E-07	2.97E-07	1.35E-07	1.28E-07	6.11E-09	1.48E-07	3.26E-08	4.45E-08	7.05E-08	1.24E-08	8.43E-09	3.22E-07	1.67E-07	7.08E-08	8.32E-08	3.27E-08	1.67E-07	7.08E-08
3537	489863.09	3849877.25	5.02E-04	5.14E-04	4.85E-04	1.74E-07	5.24E-07	3.04E-07	3.11E-07	2.82E-07	1.29E-07	1.21E-07	5.80E-09	1.40E-07	3.09E-08	4.22E-08	6.70E-08	1.18E-08	8.00E-09	3.06E-07	1.58E-07	6.72E-08	7.91E-08	3.11E-08	1.58E-07	6.72E-08
3538	490363.09	3849877.25	4.75E-04	4.87E-04	4.59E-04	1.65E-07	4.97E-07	2.88E-07	2.95E-07	2.67E-07	1.22E-07	1.15E-07	5.49E-09	1.33E-07	2.93E-08	4.00E-08	6.34E-08	1.12E-08	7.58E-09	2.90E-07	1.50E-07	6.36E-08	7.49E-08	2.94E-08	1.50E-07	6.36E-08
3539	490863.09	3849877.25	4.53E-04	4.64E-04	4.38E-04	1.57E-07	4.74E-07	2.74E-07	2.81E-07	2.55E-07	1.16E-07	1.10E-07	5.24E-09	1.27E-07	2.79E-08	3.81E-08	6.05E-08	1.07E-08	7.23E-09	2.76E-07	1.43E-07	6.07E-08	7.14E-08	2.80E-08	1.43E-07	6.07E-08
3540	491363.09	3849877.25	4.34E-04	4.44E-04	4.19E-04	1.50E-07	4.54E-07	2.63E-07	2.69E-07	2.44E-07	1.11E-07	1.05E-07	5.02E-09	1.21E-07	2.67E-08	3.65E-08	5.79E-08	1.02E-08	6.92E-09	2.64E-07	1.37E-07	5.81E-08	6.84E-08	2.69E-08	1.37E-07	5.81E-08
3541	491863.09	3849877.25	4.06E-04	4.16E-04	3.92E-04	1.40E-07	4.24E-07	2.46E-07	2.52E-07	2.28E-07	1.04E-07	9.81E-08	4.69E-09	1.13E-07	2.50E-08	3.41E-08	5.42E-08	9.55E-09	6.47E-09	2.47E-07	1.28E-07	5.44E-08	6.39E-08	2.51E-08	1.28E-07	5.44E-08
3542	492363.09	3849877.25	3.82E-04	3.92E-04	3.69E-04	1.32E-07	4.00E-07	2.31E-07	2.37E-07	2.15E-07	9.80E-08	9.24E-08	4.42E-09	1.07E-07	2.36E-08	3.22E-08	5.10E-08	8.99E-09	6.10E-09	2.33E-07	1.21E-07	5.12E-08	6.02E-08	2.37E-08	1.21E-07	5.12E-08
3543	492863.09	3849877.25	3.56E-04	3.64E-04	3.44E-04	1.23E-07	3.72E-07	2.15E-07	2.20E-07	2.00E-07	9.12E-08	8.60E-08	4.11E-09	9.93E-08	2.19E-08	2.99E-08	4.75E-08	8.37E-09	5.67E-09	2.17E-07	1.12E-07	4.76E-08	5.60E-08	2.20E-08	1.12E-07	4.76E-08
3544	493363.09	3849877.25	3.31E-04	3.39E-04	3.19E-04	1.14E-07	3.46E-07	2.00E-07	2.05E-07	1.86E-07	8.47E-08	7.99E-08	3.82E-09	9.23E-08	2.04E-08	2.78E-08	4.41E-08	7.78E-09	5.27E-09	2.01E-07	1.04E-07	4.43E-08	5.21E-08	2.05E-08	1.04E-07	4.43E-08
3545	493863.09	3849877.25	3.16E-04	3.23E-04	3.05E-04	1.09E-07	3.30E-07	1.91E-07	1.96E-07	1.77E-07	8.10E-08	7.64E-08	3.65E-09	8.82E-08	1.95E-08	2.66E-08	4.22E-08	7.43E-09	5.04E-09	1.92E-07	9.97E-08	4.23E-08	4.98E-08	1.95E-08	9.97E-08	4.23E-08
3546	494363.09	3849877.25	3.36E-04	3.45E-04	3.25E-04	1.16E-07	3.52E-07	2.04E-07	2.09E-07	1.89E-07	8.63E-08	8.14E-08	3.89E-09	9.40E-08	2.07E-08	2.83E-08	4.49E-08	7.92E-09	5.37E-09	2.05E-07	1.06E-07	4.51E-08	5.30E-08	2.08E-08	1.06E-07	4.51E-08
3547	494863.09	3849877.25	3.47E-04	3.55E-04	3.35E-04	1.20E-07	3.63E-07	2.10E-07	2.15E-07	1.95E-07	8.89E-08	8.39E-08	4.01E-09	9.68E-08	2.14E-08	2.92E-08	4.63E-08	8.16E-09	5.53E-09	2.11E-07	1.09E-07	4.64E-08	5.46E-08	2.15E-08	1.09E-07	4.64E-08
3548	495363.09	3849877.25	3.19E-04	3.27E-04	3.08E-04	1.10E-07	3.33E-07	1.93E-07	1.98E-07	1.79E-07	8.17E-08	7.71E-08	3.69E-09	8.90E-08	1.96E-08	2.68E-08	4.26E-08	7.50E-09	5.08E-09	1.94E-07	1.01E-07	4.27E-08	5.02E-08	1.97E-08	1.01E-07	4.27E-08
3549	495863.09	3849877.25	3.34E-04	3.42E-04	3.22E-04	1.15E-07	3.49E-07	2.02E-07	2.07E-07	1.87E-07	8.55E-08	8.06E-08	3.86E-09	9.31E-08	2.06E-08	2.81E-08	4.45E-08	7.85E-09	5.32E-09	2.03E-07	1.05E-07	4.47E-08	5.25E-08	2.06E-08	1.05E-07	4.47E-08
3550	496363.09	3849877.25	3.34E-04	3.42E-04	3.22E-04	1.15E-07	3.49E-07	2.02E-07	2.07E-07	1.87E-07	8.55E-08	8.06E-08	3.86E-09	9.31E-08	2.06E-08	2.81E-08	4.45E-08	7.85E-09	5.32E-09	2.03E-07	1.05E-07	4.47E-08	5.25E-08	2.06E-08	1.05E-07	4.47E-08
3551	496863.09	3849877.25	3.32E-04	3.40E-04	3.21E-04	1.15E-07	3.47E-07	2.01E-07	2.06E-07	1.87E-07	8.51E-08	8.03E-08	3.84E-09	9.27E-08	2.05E-08	2.79E-08	4.43E-08	7.81E-09	5.30E-09	2.02E-07	1.05E-07	4.45E-08	5.23E-08	2.06E-08	1.05E-07	4.45E-08
3552	497363.09	3849877.25	3.50E-04	3.58E-04	3.38E-04	1.21E-07	3.66E-07	2.12E-07	2.17E-07	1.97E-07	8.97E-08	8.46E-08	4.04E-09	9.77E-08	2.16E-08	2.94E-08	4.67E-08	8.23E-09	5.58E-09	2.13E-07	1.10E-07	4.68E-08	5.51E-08	2.16E-08	1.10E-07	4.68E-08
3553	497863.09	3849877.25	3.51E-04	3.60E-04	3.39E-04	1.22E-07	3.67E-07	2.13E-07	2.18E-07	1.97E-07	9.00E-08	8.49E-08	4.06E-09	9.81E-08	2.16E-08	2.96E-08	4.69E-08	8.26E-09	5.60E-09	2.14E-07	1.11E-07	4.70E-08	5.53E-08	2.17E-08	1.11E-07	4.70E-08
3554	498363.09	3849877.25	3.41E-04	3.49E-04	3.29E-04	1.18E-07	3.56E-07	2.06E-07	2.11E-07	1.92E-07	8.74E-08	8.24E-08	3.94E-09	9.52E-08	2.10E-08	2.87E-08	4.55E-08	8.02E-09	5.44E-09	2.08E-07	1.08E-07	4.57E-08	5.37E-08	2.11E-08	1.08E-07	4.57E-08
3555	471363.09	3850377.25	2.83E-04	2.90E-04	2.74E-04	9.81E-08	2.96E-07	1.71E-07	1.76E-07	1.59E-07	7.26E-08	6.85E-08	3.28E-09	7.91E-08	1.75E-08	2.38E-08	3.78E-08	6.67E-09	4.52E-09	1.73E-07	8.94E-08	3.79E-08	4.46E-08	1.75E-08	8.94E-08	3.79E-08
3556	471863.09	3850377.25	3.63E-04	3.72E-04	3.51E-04	1.26E-07	3.79E-07	2.20E-07	2.25E-07	2.04E-07	9.31E-08	8.78E-08	4.20E-09	1.01E-07	2.24E-08	3.05E-08	4.85E-08	8.54E-09	5.79E-09	2.21E-07	1.15E-07	4.86E-08	5.72E-08	2.25E-08	1.15E-07	4.86E-08
3557	472363.09	3850377.25	4.13E-04	4.23E-04	3.99E-04	1.43E-07	4.32E-07	2.50E-07	2.56E-07	2.32E-07	1.06E-07	9.99E-08	4.78E-09	1.15E-07	2.55E-08	3.48E-08	5.52E-08	9.72E-09	6.59E-09	2.52E-07	1.30E-07	5.53E-08	6.51E-08	2.56E-08	1.30E-07	5.53E-08
3558	472863.09	3850377.25	4.80E-04	4.91E-04	4.63E-04	1.66E-07	5.01E-07	2.90E-07	2.97E-07	2.69E-07	1.23E-07	1.16E-07	5.54E-09	1.34E-07	2.96E-08	4.04E-08	6.40E-08	1.13E-08	7.65E-09	2.92E-07	1.51E-07	6.42E-08	7.56E-08	2.97E-08	1.51E-07	6.42E-08
3559	473363.09	3850377.25	5.25E-04	5.38E-04	5.08E-04	1.82E-07	5.49E-07	3.18E-07	3.26E-07	2.95E-07	1.35E-07	1.27E-07	6.07E-09	1.47E-07	3.24E-08	4.42E-08	7.01E-08	1.24E-08	8.38E-09	3.20E-07	1.66E-07	7.04E-08	8.28E-08	3.25E-08	1.66E-07	7.04E-08
3560	473863.09	3850377.25	5.80E-04	5.94E-04	5.60E-04	2.01E-07	6.06E-07	3.51E-07	3.59E-07	3.26E-07	1.49E-07	1.40E-07	6.70E-09	1.62E-07	3.57E-08	4.88E-08	7.74E-08	1.36E-08	9.25E-09	3.54E-07	1.83E-07	7.77E-08	9.14E-08	3.59E-08	1.83E-07	7.77E-08
3561	474363.09	3850377.25	6.42E-04	6.58E-04	6.20E-04	2.22E-07	6.71E-07	3.88E-07	3.98E-07	3.61E-07	1.65E-07	1.55E-07	7.42E-09	1.79E-07	3.96E-08	5.40E-08	8.57E-08	1.51E-08	1.02E-08	3.91E-07	2.03E-07	8.60E-08	1.01E-07	3.97E-08	2.03E-07	8.60E-08
3562	474863.09	3850377.25	7.14E-04	7.32E-04	6.90E-04	2.47E-07	7.47E-07	4.32E-07	4.43E-07	4.01E-07	1.83E-07	1.73E-07	8.26E-09	1.99E-07	4.40E-08	6.01E-08	9.53E-08	1.68E-08	1.14E-08	4.35E-07	2.25E-07	9.57E-08	1.13E-07	4.42E-08	2.25E-07	9.57E-08
3563	475363.09	3850377.25	8.00E-04	8.19E-04	7.73E-04	2.77E-07	8.36E-07	4.84E-07	4.96E-07	4.49E-07	2.05E-07	1.93E-07	9.25E-09	2.23E-07	4.93E-08	6.73E-08	1.07E-07	1.88E-08	1.28E-08	4.88E-07	2.52E-07	1.07E-07	1.26E-07	4.95E-08	2.52E-07	1.07E-07
3564	475863.09	3850377.25	9.21E-04	9.43E-04	8.90E-04	3.19E-07	9.63E-07	5.57E-07	5.71E-07	5.17E-07	2.36E-07	2.23E-07	1.06E-08	2.57E-07	5.67E-08	7.75E-08	1.23E-07	2.17E-08	1.47E-08	5.61E-07	2.91E-07	1.23E-07	1.45E-07	5.70E-08	2.91E-07	1.23E-07
3565	476363.09	3850377.25	1.07E-03	1.09E-03	1.03E-03	3.70E-07	1.12E-06	6.47E-07	6.62E-07	6.00E-07	2.74E-07	2.58E-07	1.24E-08	2.98E-07	6.58E-08	8.99E-08	1.43E-07	2.51E-08	1.70E-08	6.51E-07	3.37E-07	1.43E-07	1.68E-07	6.61E-08	3.37E-07	1.43E-07
3566	476863.09	3850377.25	1.29E-03	1.32E-03	1.24E-03	4.46E-07	1.35E-06	7.79E-07	7.98E-07	7.23E-07	3.30E-07	3.11E-07	1.49E-08	3.59E-07	7.93E-08	1.08E-07	1.72E-07	3.03E-08	2.05E-08	7.84E-07	4.06E-07	1.72E-07	2.03E-07	7.96E-08	4.06E-07	1.72E-07
3567	477363.09	3850377.25	1.66E-03	1.70E-03	1.61E-03	5.75E-07	1.74E-06	1.01E-06	1.03E-06	9.34E-07	4.26E-07	4.02E-07	1.92E-08	4.64E-07	1.02E-07	1.40E-07	2.22E-07	3.91E-08	2.65E-08	1.01E-06	5.25E-07	2.23E-07	2.62E-07	1.03E-07	5.25E-07	2.23E-07
3568	477863.09	3850377.25	2.49E-03	2.55E-03	2.41E-03	8.62E-07	2.60E-06	1.51E-06	1.54E-06	1.40E-06	6.39E-07	6.02E-07	2.88E-08	6.96E-07	1.53E-07	2.10E-07	3.33E-07	5.86E-08	3.97E-08	1.52E-06	7.86E-07	3.34E-07	3.92E-07	1.54E-07	7.86E-07	3.34E-07
3569	478363.09	3850377.25	5.86E-03	6.00E-03	5.66E-03	2.03E-06	6.12E-06	3.54E-06	3.63E-06	3.29E-06	1.50E-06	1.42E-06	6.77E-08	1.64E-06	3.61E-07	4.93E-07	7.82E-07	1.38E-07	9.34E-08	3.57E-06	1.85E-06	7.84E-07	9.23E-07	3.62E-07	1.85E-06	7.84E-07
3570	478863.09	3850377.25	3.44E-02	3.52E-02	3.32E-02	1.19E-05	3.60E-05	2.08E-05	2.13E-05	1.93E-05	8.82E-06	8.32E-06	3.98E-07	9.61E-06	2.12E-06	2.90E-06	4.59E-06	8.10E-07	5.49E-07	2.10E-05	1.09E-05	4.61E-06	5.42E-06	2.13E-06	1.09E-05	4.61E-06
3571	479363.09	3850377.25	8.66E-03	8.87E-03	8.37E-03	3.00E-06	9.05E-06	5.24E-06	5.37E-06	4.87E-06	2.22E-06	2.09E-06	1.00E-07	2.42E-06	5.34E-07	7.29E-07	1.16E-06	2.04E-07	1.38E-07	5.28E-06	2.73E-06	1.16E-06	1.36E-06	5.36E-07	2.73E-06	1.16E-06
3572	479863.09	3850377.25	4.79E-03	4.91E-03	4.63E-03	1.66E-06	5.01E-06	2.90E-06	2.97E-06	2.69E-06	1.23E-06	1.16E-06	5.54E-08	1.34E-06	2.95E-07	4.03E-07	6.39E-07	1.13E-07	7.64E-08	2.92E-06	1.51E-06	6.42E-07	7.55E-07	2.96E-07	1.51E-06	6.42E-07
3573	480363.09	3850377.25	3.30E-03	3.38E-03	3.19E-03	1.14E-06	3.45E-06	2.00E-06	2.05E-06	1.85E-06	8.46E-07	7.98E-07	3.82E-08	9.22E-07	2.03E-07	2.78E-07	4.41E-07	7.77E-08	5.27E-08	2.01E-06	1.04E-06	4.42E-07	5.20E-07	2.04E-07	1.04E-06	4.42E-07
3574	480863.09	3850377.25	2.62E-03	2.68E-03	2.53E-03	9.07E-07	2.74E-06	1.59E-06	1.62E-06	1.47E-06	6.72E-07	6.33E-07	3.03E-08	7.31E-07	1.61E-07	2.20E-07	3.50E-07	6.16E-08	4.18E-08	1.60E-06	8.27E-07	3.51E-07	4.13E-07	1.62E-07	8.27E-07	3.51E-07
3575	481363.09	3850377.25	1.81E-03	1.86E-03	1.75E-03	6.27E-07	1.89E-06	1.10E-06	1.12E-06	1.02E-06	4.65E-07	4.38E-07	2.09E-08	5.06E-07	1.12E-07	1.52E-07	2.42E-07	4.26E-08	2.89E-08	1.10E-06	5.72E-07	2.43E-07	2.86E-07	1.12E-07	5.72E-07	2.43E-07
3576	481863.09	3850377.25	1.55E-03	1.59E-03	1.50E-03	5.38E-07	1.62E-06	9.40E-07	9.63E-07	8.73E-07	3.98E-07	3.76E-07	1.80E-08	4.34E-07	9.58E-08	1.31E-07	2.07E-07	3.66E-08	2.48E-08	9.47E-07	4.90E-07	2.08E-07	2.45E-07	9.62E-08	4.90E-07	2.08E-07
3577	482363.09	3850377.25	1.34E-03	1.37E-03	1.29E-03	4.63E-07	1.40E-06	8.09E-07	8.29E-07	7.51E-07	3.43E-07	3.23E-07	1.55E-08	3.73E-07	8.24E-08	1.13E-07	1.78E-07	3.15E-08	2.13E-08	8.15E-07	4.22E-07	1.79E-07	2.11E-07	8.28E-08	4.22E-07	1.79E-07
3578	482863.09	3850377.25	1.06E-03	1.09E-03	1.03E-03	3.68E-07	1.11E-06	6.44E-07	6.59E-07	5.98E-07	2.73E-07	2.57E-07	1.23E-08	2.97E-07	6.56E-08	8.95E-08	1.42E-07	2.50E-08	1.70E-08	6.49E-07	3.36E-07	1.42E-07	1.68E-07	6.59E-08	3.36E-07	1.42E-07
3579	483363.09	3850377.25	9.09E-04	9.31E-04	8.78E-04	3.15E-07	9.50E-07	5.50E-07	5.63E-07	5.11E-07	2.33E-07	2.20E-07	1.05E-08	2.54E-07	5.60E-08	7.65E-08	1.21E-07	2.14E-08	1.45E-08	5.54E-07	2.87E-07	1.22E-07	1.43E-07	5.63E-08	2.87E-07	1.22E-07
3580	483863.09	3850377.25	8.86E-04	9.07E-04	8.56E-04	3.07E-07	9.26E-07	5.36E-07	5.49E-07	4.97E-07	2.27E-07	2.14E-07	1.02E-08	2.47E-07	5.46E-08	7.45E-08	1.18E-07	2.08E-08	1.41E-08	5.40E-07	2.79E-07	1.19E-07	1.40E-07	5.48E-08	2.79E-07	1.19E-07
3581	484363.09	3850377.25	8.96E-04	9.18E-04	8.65E-04	3.10E-07	9.36E-07	5.42E-07	5.55E-07	5.03E-07	2.30E-07	2.17E-07	1.04E-08	2.50E-07	5.52E-08	7.54E-08	1.20E-07	2.11E-08	1.43E-08	5.46E-07	2.83E-07	1.20E-07	1.41E-07	5.54E-08	2.83E-07	1.20E-07
3582	484863.09	3850377.25	9.05E-04	9.27E-04	8.74E-04	3.13E-07	9.46E-07	5.47E-07	5.61E-07	5.08E-07	2.32E-07	2.19E-07	1.05E-08	2.53E-07	5.57E-08	7.61E-08	1.21E-07	2.13E-08	1.44E-08	5.51E-07	2.86E-07	1.21E-07	1.43E-07	5.60E-08	2.86E-07	1.21E-07
3583	485363.09	3850377.25	8.55E-04	8.75E-04	8.26E-04	2.96E-07	8.93E-07	5.17E-07	5.30E-07	4.80E-07	2.19E-07	2.07E-07	9.88E-09	2.39E-07	5.27E-08	7.19E-08	1.14E-07	2.01E-08	1.36E-08	5.21E-07	2.70E-07	1.14E-07	1.35E-07	5.29E-08	2.70E-07	1.14E-07
3584	485863.09	3850377.25	7.85E-04	8.04E-04	7.59E-04	2.72E-07	8.21E-07	4.75E-07	4.87E-07	4.41E-07	2.01E-07	1.90E-07	9.08E-09	2.19E-07	4.84E-08	6.61E-08	1.05E-07	1.85E-08	1.25E-08	4.79E-07	2.48E-07	1.05E-07	1.24E-07	4.86E-08	2.48E-07	1.05E-07
3585	486363.09	3850377.25	7.47E-04	7.65E-04	7.21E-04	2.59E-07	7.81E-07	4.52E-07	4.63E-07	4.20E-07	1.91E-07	1.81E-07	8.63E-09	2.09E-07	4.60E-08	6.28E-08	9.97E-08	1.76E-08	1.19E-08	4.55E-07	2.36E-07	1.00E-07	1.18E-07	4.62E-08	2.36E-07	1.00E-07
3586	486863.09	3850377.25	7.11E-04	7.29E-04	6.87E-04	2.46E-07	7.44E-07	4.30E-07	4.41E-07	4.00E-07	1.82E-07	1.72E-07	8.22E-09	1.99E-07	4.38E-08	5.99E-08	9.50E-08	1.67E-08	1.13E-08	4.34E-07	2.25E-07	9.53E-08	1.12E-07	4.40E-08	2.25E-07	9.53E-08
3587	487363.09	3850377.25	6.69E-04	6.85E-04	6.46E-04	2.31E-07	6.99E-07	4.05E-07	4.14E-07	3.76E-07	1.71E-07	1.62E-07	7.73E-09	1.87E-07	4.12E-08	5.63E-08	8.92E-08	1.57E-08	1.07E-08	4.07E-07	2.11E-07	8.95E-08	1.05E-07	4.14E-08	2.11E-07	8.95E-08
3588	487863.09	3850377.25	6.39E-04	6.55E-04	6.17E-04	2.21E-07	6.68E-07	3.87E-07	3.96E-07	3.59E-07	1.64E-07	1.55E-07	7.39E-09	1.78E-07	3.94E-08	5.38E-08	8.53E-08	1.50E-08	1.02E-08	3.89E-07	2.02E-07	8.56E-08	1.01E-07	3.96E-08	2.02E-07	8.56E-08
3589	488363.09	3850377.25	6.10E-04	6.24E-04	5.89E-04	2.11E-07	6.37E-07	3.69E-07	3.78E-07	3.42E-07	1.56E-07	1.47E-07	7.05E-09	1.70E-07	3.76E-08	5.13E-08	8.14E-08	1.43E-08	9.72E-09	3.72E-07	1.92E-07	8.16E-08	9.60E-08	3.77E-08	1.92E-07	8.16E-08
3590	488863.09	3850377.25	5.84E-04	5.99E-04	5.65E-04	2.02E-07	6.11E-07	3.54E-07	3.62E-07	3.28E-07	1.50E-07	1.41E-07	6.76E-09	1.63E-07	3.60E-08	4.92E-08	7.80E-08	1.37E-08	9.32E-09	3.56E-07	1.84E-07	7.83E-08	9.21E-08	3.62E-08	1.84E-07	7.83E-08
3591	489363.09	3850377.25	5.58E-04	5.71E-04	5.39E-04	1.93E-07	5.83E-07	3.38E-07	3.46E-07	3.13E-07	1.43E-07	1.35E-07	6.45E-09	1.56E-07	3.44E-08	4.69E-08	7.45E-08	1.31E-08	8.90E-09	3.40E-07	1.76E-07	7.47E-08	8.79E-08	3.45E-08	1.76E-07	7.47E-08
3592	489863.09	3850377.25	5.27E-04	5.40E-04	5.09E-04	1.82E-07	5.51E-07	3.19E-07	3.27E-07	2.96E-07	1.35E-07	1.27E-07	6.09E-09	1.47E-07	3.25E-08	4.43E-08	7.03E-08	1.24E-08	8.40E-09	3.21E-07	1.66E-07	7.06E-08	8.30E-08	3.26E-08	1.66E-07	7.06E-08
3593	490363.09	3850377.25	4.99E-04	5.11E-04	4.82E-04	1.73E-07	5.21E-07	3.02E-07	3.09E-07	2.80E-07	1.28E-07	1.21E-07	5.77E-09	1.39E-07	3.07E-08	4.20E-08	6.66E-08	1.17E-08	7.96E-09	3.04E-07	1.57E-07	6.68E-08	7.86E-08	3.09E-08	1.57E-07	6.68E-08
3594	490863.09	3850377.25	4.77E-04	4.88E-04	4.61E-04	1.65E-07	4.98E-07	2.88E-07	2.95E-07	2.68E-07	1.22E-07	1.15E-07	5.51E-09	1.33E-07	2.94E-08	4.01E-08	6.36E-08	1.12E-08	7.60E-09	2.91E-07	1.50E-07	6.38E-08	7.51E-08	2.95E-08	1.50E-07	6.38E-08
3595	491363.09	3850377.25	4.53E-04	4.64E-04	4.38E-04	1.57E-07	4.74E-07	2.74E-07	2.81E-07	2.55E-07	1.16E-07	1.10E-07	5.24E-09	1.27E-07	2.79E-08	3.81E-08	6.05E-08	1.07E-08	7.23E-09	2.76E-07	1.43E-07	6.07E-08	7.14E-08	2.80E-08	1.43E-07	6.07E-08
3596	491863.09	3850377.25	4.22E-04	4.32E-04	4.08E-04	1.46E-07	4.41E-07	2.55E-07	2.62E-07	2.37E-07	1.08E-07	1.02E-07	4.88E-09	1.18E-07	2.60E-08	3.55E-08	5.63E-08	9.93E-09	6.73E-09	2.57E-07	1.33E-07	5.65E-08	6.65E-08	2.61E-08	1.33E-07	5.65E-08
3597	492363.09	3850377.25	3.93E-04	4.02E-04	3.79E-04	1.36E-07	4.10E-07	2.38E-07	2.43E-07	2.21E-07	1.01E-07	9.49E-08	4.54E-09	1.10E-07	2.42E-08	3.30E-08	5.24E-08	9.24E-09	6.26E-09	2.39E-07	1.24E-07	5.26E-08	6.18E-08	2.43E-08	1.24E-07	5.26E-08
3598	492863.09	3850377.25	3.73E-04	3.82E-04	3.61E-04	1.29E-07	3.90E-07	2.26E-07	2.31E-07	2.10E-07	9.57E-08	9.03E-08	4.32E-09	1.04E-07	2.30E-08	3.14E-08	4.98E-08	8.78E-09	5.96E-09	2.28E-07	1.18E-07	5.00E-08	5.88E-08	2.31E-08	1.18E-07	5.00E-08
3599	493363.09	3850377.25	3.50E-04	3.58E-04	3.38E-04	1.21E-07	3.66E-07	2.12E-07	2.17E-07	1.97E-07	8.97E-08	8.46E-08	4.04E-09	9.77E-08	2.16E-08	2.94E-08	4.67E-08	8.23E-09	5.58E-09	2.13E-07	1.10E-07	4.68E-08	5.51E-08	2.16E-08	1.10E-07	4.68E-08
3600	493863.09	3850377.25	3.54E-04	3.63E-04	3.42E-04	1.23E-07	3.70E-07	2.14E-07	2.20E-07	1.99E-07	9.08E-08	8.56E-08	4.09E-09	9.89E-08	2.18E-08	2.98E-08	4.73E-08	8.33E-09	5.65E-09	2.16E-07	1.12E-07	4.74E-08	5.58E-08	2.19E-08	1.12E-07	4.74E-08
3601	494363.09	3850377.25	3.53E-04	3.61E-04	3.41E-04	1.22E-07	3.69E-07	2.13E-07	2.19E-07	1.98E-07	9.04E-08	8.53E-08	4.08E-09	9.85E-08	2.17E-08	2.97E-08	4.71E-08	8.30E-09	5.63E-09	2.15E-07	1.11E-07	4.72E-08	5.56E-08	2.18E-08	1.11E-07	4.72E-08
3602	494863.09	3850377.25	3.62E-04	3.70E-04	3.49E-04	1.25E-07	3.78E-07	2.19E-07	2.24E-07	2.03E-07	9.27E-08	8.74E-08	4.18E-09	1.01E-07	2.23E-08	3.04E-08	4.83E-08	8.51E-09	5.77E-09	2.20E-07	1.14E-07	4.84E-08	5.70E-08	2.24E-08	1.14E-07	4.84E-08
3603	495363.09	3850377.25	3.70E-04	3.79E-04	3.58E-04	1.28E-07	3.87E-07	2.24E-07	2.30E-07	2.08E-07	9.50E-08	8.96E-08	4.28E-09	1.03E-07	2.28E-08	3.12E-08	4.94E-08	8.71E-09	5.91E-09	2.26E-07	1.17E-07	4.96E-08	5.84E-08	2.29E-08	1.17E-07	4.96E-08
3604	495863.09	3850377.25	3.54E-04	3.63E-04	3.42E-04	1.23E-07	3.70E-07	2.14E-07	2.20E-07	1.99E-07	9.08E-08	8.56E-08	4.09E-09	9.89E-08	2.18E-08	2.98E-08	4.73E-08	8.33E-09	5.65E-09	2.16E-07	1.12E-07	4.74E-08	5.58E-08	2.19E-08	1.12E-07	4.74E-08
3605	496363.09	3850377.25	3.63E-04	3.72E-04	3.51E-04	1.26E-07	3.79E-07	2.20E-07	2.25E-07	2.04E-07	9.31E-08	8.78E-08	4.20E-09	1.01E-07	2.24E-08	3.05E-08	4.85E-08	8.54E-09	5.79E-09	2.21E-07	1.15E-07	4.86E-08	5.72E-08	2.25E-08	1.15E-07	4.86E-08
3606	496863.09	3850377.25	3.70E-04	3.79E-04	3.58E-04	1.28E-07	3.87E-07	2.24E-07	2.30E-07	2.08E-07	9.50E-08	8.96E-08	4.28E-09	1.03E-07	2.28E-08	3.12E-08	4.94E-08	8.71E-09	5.91E-09	2.26E-07	1.17E-07	4.96E-08	5.84E-08	2.29E-08	1.17E-07	4.96E-08
3607	497363.09	3850377.25	3.69E-04	3.78E-04	3.56E-04	1.28E-07	3.86E-07	2.23E-07	2.29E-07	2.07E-07	9.46E-08	8.92E-08	4.27E-09	1.03E-07	2.27E-08	3.10E-08	4.92E-08	8.68E-09	5.88E-09	2.25E-07	1.16E-07	4.94E-08	5.81E-08	2.28E-08	1.16E-07	4.94E-08
3608	497863.09	3850377.25	3.60E-04	3.69E-04	3.48E-04	1.25E-07	3.76E-07	2.18E-07	2.23E-07	2.02E-07	9.23E-08	8.71E-08	4.16E-09	1.01E-07	2.22E-08	3.03E-08	4.81E-08	8.47E-09	5.74E-09	2.19E-07	1.14E-07	4.82E-08	5.67E-08	2.23E-08	1.14E-07	4.82E-08
3609	498363.09	3850377.25	3.53E-04	3.61E-04	3.41E-04	1.22E-07	3.69E-07	2.13E-07	2.19E-07	1.98E-07	9.04E-08	8.53E-08	4.08E-09	9.85E-08	2.17E-08	2.97E-08	4.71E-08	8.30E-09	5.63E-09	2.15E-07	1.11E-07	4.72E-08	5.56E-08	2.18E-08	1.11E-07	4.72E-08
3610	471363.09	3850877.25	2.94E-04	3.01E-04	2.84E-04	1.02E-07	3.07E-07	1.78E-07	1.82E-07	1.65E-07	7.53E-08	7.10E-08	3.39E-09	8.20E-08	1.81E-08	2.47E-08	3.92E-08	6.91E-09	4.68E-09	1.79E-07	9.27E-08	3.93E-08	4.63E-08	1.82E-08	9.27E-08	3.93E-08
3611	471863.09	3850877.25	3.26E-04	3.34E-04	3.15E-04	1.13E-07	3.41E-07	1.97E-07	2.02E-07	1.83E-07	8.36E-08	7.89E-08	3.77E-09	9.11E-08	2.01E-08	2.74E-08	4.35E-08	7.67E-09	5.20E-09	1.99E-07	1.03E-07	4.37E-08	5.14E-08	2.02E-08	1.03E-07	4.37E-08
3612	472363.09	3850877.25	3.72E-04	3.81E-04	3.59E-04	1.29E-07	3.89E-07	2.25E-07	2.30E-07	2.09E-07	9.53E-08	8.99E-08	4.30E-09	1.04E-07	2.29E-08	3.13E-08	4.96E-08	8.75E-09	5.93E-09	2.27E-07	1.17E-07	4.98E-08	5.86E-08	2.30E-08	1.17E-07	4.98E-08

3613	472863.09	3850877.25	4.19E-04	4.29E-04	4.05E-04	1.45E-07	4.38E-07	2.54E-07	2.60E-07	2.35E-07	1.07E-07	1.01E-07	4.85E-09	1.17E-07	2.58E-08	3.53E-08	5.59E-08	9.86E-09	6.68E-09	2.55E-07	1.32E-07	5.61E-08	6.60E-08	2.59E-08	1.32E-07	5.61E-08
3614	473363.09	3850877.25	4.29E-04	4.40E-04	4.15E-04	1.49E-07	4.49E-07	2.60E-07	2.66E-07	2.41E-07	1.10E-07	1.04E-07	4.96E-09	1.20E-07	2.65E-08	3.61E-08	5.73E-08	1.01E-08	6.85E-09	2.62E-07	1.36E-07	5.75E-08	6.77E-08	2.66E-08	1.36E-07	5.75E-08
3615	473863.09	3850877.25	4.89E-04	5.00E-04	4.72E-04	1.69E-07	5.11E-07	2.96E-07	3.03E-07	2.74E-07	1.25E-07	1.18E-07	5.65E-09	1.36E-07	3.01E-08	4.11E-08	6.52E-08	1.15E-08	7.79E-09	2.98E-07	1.54E-07	6.54E-08	7.70E-08	3.02E-08	1.54E-07	6.54E-08
3616	474363.09	3850877.25	5.39E-04	5.52E-04	5.20E-04	1.86E-07	5.63E-07	3.26E-07	3.34E-07	3.03E-07	1.38E-07	1.30E-07	6.23E-09	1.50E-07	3.32E-08	4.53E-08	7.19E-08	1.27E-08	8.59E-09	3.28E-07	1.70E-07	7.21E-08	8.49E-08	3.33E-08	1.70E-07	7.21E-08
3617	474863.09	3850877.25	5.89E-04	6.03E-04	5.69E-04	2.04E-07	6.15E-07	3.56E-07	3.65E-07	3.31E-07	1.51E-07	1.42E-07	6.81E-09	1.64E-07	3.63E-08	4.95E-08	7.86E-08	1.39E-08	9.39E-09	3.59E-07	1.86E-07	7.89E-08	9.28E-08	3.64E-08	1.86E-07	7.89E-08
3618	475363.09	3850877.25	6.43E-04	6.59E-04	6.22E-04	2.23E-07	6.73E-07	3.89E-07	3.99E-07	3.61E-07	1.65E-07	1.56E-07	7.44E-09	1.80E-07	3.96E-08	5.41E-08	8.59E-08	1.51E-08	1.03E-08	3.92E-07	2.03E-07	8.62E-08	1.01E-07	3.98E-08	2.03E-07	8.62E-08
3619	475863.09	3850877.25	7.11E-04	7.29E-04	6.87E-04	2.46E-07	7.44E-07	4.30E-07	4.41E-07	4.00E-07	1.82E-07	1.72E-07	8.22E-09	1.99E-07	4.38E-08	5.99E-08	9.50E-08	1.67E-08	1.13E-08	4.34E-07	2.25E-07	9.53E-08	1.12E-07	4.40E-08	2.25E-07	9.53E-08
3620	476363.09	3850877.25	7.98E-04	8.18E-04	7.71E-04	2.76E-07	8.35E-07	4.83E-07	4.95E-07	4.49E-07	2.05E-07	1.93E-07	9.23E-09	2.23E-07	4.92E-08	6.72E-08	1.07E-07	1.88E-08	1.27E-08	4.87E-07	2.52E-07	1.07E-07	1.26E-07	4.94E-08	2.52E-07	1.07E-07
3621	476863.09	3850877.25	8.94E-04	9.16E-04	8.64E-04	3.10E-07	9.35E-07	5.41E-07	5.54E-07	5.02E-07	2.29E-07	2.16E-07	1.03E-08	2.50E-07	5.51E-08	7.53E-08	1.19E-07	2.10E-08	1.43E-08	5.45E-07	2.82E-07	1.20E-07	1.41E-07	5.54E-08	2.82E-07	1.20E-07
3622	477363.09	3850877.25	1.03E-03	1.06E-03	9.97E-04	3.57E-07	1.08E-06	6.24E-07	6.39E-07	5.80E-07	2.64E-07	2.49E-07	1.19E-08	2.88E-07	6.36E-08	8.68E-08	1.38E-07	2.43E-08	1.65E-08	6.29E-07	3.26E-07	1.38E-07	1.63E-07	6.38E-08	3.26E-07	1.38E-07
3623	477863.09	3850877.25	1.24E-03	1.27E-03	1.20E-03	4.31E-07	1.30E-06	7.53E-07	7.71E-07	6.99E-07	3.19E-07	3.01E-07	1.44E-08	3.47E-07	7.67E-08	1.05E-07	1.66E-07	2.93E-08	1.98E-08	7.58E-07	3.93E-07	1.67E-07	1.96E-07	7.70E-08	3.93E-07	1.67E-07
3624	478363.09	3850877.25	1.63E-03	1.67E-03	1.58E-03	5.65E-07	1.70E-06	9.87E-07	1.01E-06	9.16E-07	4.18E-07	3.94E-07	1.89E-08	4.55E-07	1.00E-07	1.37E-07	2.18E-07	3.84E-08	2.60E-08	9.94E-07	5.15E-07	2.18E-07	2.57E-07	1.01E-07	5.15E-07	2.18E-07
3625	478863.09	3850877.25	2.40E-03	2.45E-03	2.31E-03	8.29E-07	2.50E-06	1.45E-06	1.48E-06	1.35E-06	6.14E-07	5.79E-07	2.77E-08	6.69E-07	1.48E-07	2.02E-07	3.20E-07	5.63E-08	3.82E-08	1.46E-06	7.56E-07	3.21E-07	3.77E-07	1.48E-07	7.56E-07	3.21E-07
3626	479363.09	3850877.25	5.26E-03	5.39E-03	5.08E-03	1.82E-06	5.50E-06	3.18E-06	3.26E-06	2.96E-06	1.35E-06	1.27E-06	6.08E-08	1.47E-06	3.24E-07	4.43E-07	7.02E-07	1.24E-07	8.39E-08	3.21E-06	1.66E-06	7.05E-07	8.29E-07	3.26E-07	1.66E-06	7.05E-07
3627	479863.09	3850877.25	4.13E-02	4.23E-02	3.99E-02	1.43E-05	4.32E-05	2.50E-05	2.56E-05	2.32E-05	1.06E-05	9.99E-06	4.77E-07	1.15E-05	2.54E-06	3.48E-06	5.51E-06	9.72E-07	6.59E-07	2.52E-05	1.30E-05	5.53E-06	6.51E-06	2.56E-06	1.30E-05	5.53E-06
3628	480363.09	3850877.25	8.87E-03	9.09E-03	8.57E-03	3.07E-06	9.27E-06	5.37E-06	5.50E-06	4.98E-06	2.27E-06	2.15E-06	1.03E-07	2.48E-06	5.47E-07	7.46E-07	1.18E-06	2.09E-07	1.41E-07	5.41E-06	2.80E-06	1.19E-06	1.40E-06	5.49E-07	2.80E-06	1.19E-06
3629	480863.09	3850877.25	4.86E-03	4.98E-03	4.70E-03	1.68E-06	5.08E-06	2.94E-06	3.01E-06	2.73E-06	1.25E-06	1.18E-06	5.62E-08	1.36E-06	3.00E-07	4.09E-07	6.49E-07	1.14E-07	7.76E-08	2.96E-06	1.53E-06	6.51E-07	7.66E-07	3.01E-07	1.53E-06	6.51E-07
3630	481363.09	3850877.25	3.30E-03	3.38E-03	3.18E-03	1.14E-06	3.44E-06	1.99E-06	2.04E-06	1.85E-06	8.45E-07	7.97E-07	3.81E-08	9.20E-07	2.03E-07	2.77E-07	4.40E-07	7.75E-08	5.26E-08	2.01E-06	1.04E-06	4.41E-07	5.19E-07	2.04E-07	1.04E-06	4.41E-07
3631	481863.09	3850877.25	2.37E-03	2.43E-03	2.29E-03	8.21E-07	2.48E-06	1.44E-06	1.47E-06	1.33E-06	6.08E-07	5.73E-07	2.74E-08	6.62E-07	1.46E-07	2.00E-07	3.17E-07	5.58E-08	3.78E-08	1.45E-06	7.49E-07	3.18E-07	3.74E-07	1.47E-07	7.49E-07	3.18E-07
3632	482363.09	3850877.25	1.75E-03	1.79E-03	1.69E-03	6.04E-07	1.82E-06	1.06E-06	1.08E-06	9.81E-07	4.48E-07	4.22E-07	2.02E-08	4.88E-07	1.08E-07	1.47E-07	2.33E-07	4.11E-08	2.78E-08	1.06E-06	5.51E-07	2.34E-07	2.75E-07	1.08E-07	5.51E-07	2.34E-07
3633	482863.09	3850877.25	1.41E-03	1.44E-03	1.36E-03	4.88E-07	1.47E-06	8.53E-07	8.73E-07	7.92E-07	3.61E-07	3.41E-07	1.63E-08	3.94E-07	8.68E-08	1.19E-07	1.88E-07	3.32E-08	2.25E-08	8.59E-07	4.45E-07	1.89E-07	2.22E-07	8.72E-08	4.45E-07	1.89E-07
3634	483363.09	3850877.25	1.16E-03	1.18E-03	1.12E-03	4.00E-07	1.21E-06	6.99E-07	7.16E-07	6.49E-07	2.96E-07	2.79E-07	1.34E-08	3.23E-07	7.12E-08	9.72E-08	1.54E-07	2.72E-08	1.84E-08	7.04E-07	3.65E-07	1.55E-07	1.82E-07	7.15E-08	3.65E-07	1.55E-07
3635	483863.09	3850877.25	1.05E-03	1.08E-03	1.02E-03	3.64E-07	1.10E-06	6.36E-07	6.51E-07	5.90E-07	2.69E-07	2.54E-07	1.21E-08	2.93E-07	6.47E-08	8.84E-08	1.40E-07	2.47E-08	1.68E-08	6.40E-07	3.32E-07	1.41E-07	1.66E-07	6.50E-08	3.32E-07	1.41E-07
3636	484363.09	3850877.25	1.03E-03	1.06E-03	9.98E-04	3.58E-07	1.08E-06	6.25E-07	6.40E-07	5.80E-07	2.65E-07	2.50E-07	1.19E-08	2.88E-07	6.37E-08	8.69E-08	1.38E-07	2.43E-08	1.65E-08	6.30E-07	3.26E-07	1.38E-07	1.63E-07	6.39E-08	3.26E-07	1.38E-07
3637	484863.09	3850877.25	9.65E-04	9.89E-04	9.33E-04	3.34E-07	1.01E-06	5.84E-07	5.98E-07	5.42E-07	2.47E-07	2.33E-07	1.12E-08	2.70E-07	5.95E-08	8.12E-08	1.29E-07	2.27E-08	1.54E-08	5.88E-07	3.05E-07	1.29E-07	1.52E-07	5.97E-08	3.05E-07	1.29E-07
3638	485363.09	3850877.25	9.19E-04	9.42E-04	8.88E-04	3.18E-07	9.61E-07	5.56E-07	5.70E-07	5.17E-07	2.36E-07	2.22E-07	1.06E-08	2.57E-07	5.67E-08	7.74E-08	1.23E-07	2.16E-08	1.47E-08	5.60E-07	2.90E-07	1.23E-07	1.45E-07	5.69E-08	2.90E-07	1.23E-07
3639	485863.09	3850877.25	8.29E-04	8.50E-04	8.01E-04	2.87E-07	8.67E-07	5.02E-07	5.14E-07	4.66E-07	2.13E-07	2.01E-07	9.59E-09	2.32E-07	5.11E-08	6.98E-08	1.11E-07	1.95E-08	1.32E-08	5.06E-07	2.62E-07	1.11E-07	1.31E-07	5.13E-08	2.62E-07	1.11E-07
3640	486363.09	3850877.25	8.00E-04	8.19E-04	7.73E-04	2.77E-07	8.36E-07	4.84E-07	4.96E-07	4.49E-07	2.05E-07	1.93E-07	9.25E-09	2.23E-07	4.93E-08	6.73E-08	1.07E-07	1.88E-08	1.28E-08	4.88E-07	2.52E-07	1.07E-07	1.26E-07	4.95E-08	2.52E-07	1.07E-07
3641	486863.09	3850877.25	7.56E-04	7.74E-04	7.30E-04	2.62E-07	7.90E-07	4.57E-07	4.68E-07	4.25E-07	1.94E-07	1.83E-07	8.73E-09	2.11E-07	4.66E-08	6.36E-08	1.01E-07	1.78E-08	1.21E-08	4.61E-07	2.38E-07	1.01E-07	1.19E-07	4.68E-08	2.38E-07	1.01E-07
3642	487363.09	3850877.25	7.05E-04	7.23E-04	6.82E-04	2.44E-07	7.37E-07	4.27E-07	4.37E-07	3.96E-07	1.81E-07	1.71E-07	8.15E-09	1.97E-07	4.35E-08	5.94E-08	9.42E-08	1.66E-08	1.13E-08	4.30E-07	2.23E-07	9.45E-08	1.11E-07	4.37E-08	2.23E-07	9.45E-08
3643	487863.09	3850877.25	6.70E-04	6.86E-04	6.47E-04	2.32E-07	7.00E-07	4.05E-07	4.15E-07	3.76E-07	1.72E-07	1.62E-07	7.75E-09	1.87E-07	4.13E-08	5.64E-08	8.94E-08	1.58E-08	1.07E-08	4.08E-07	2.11E-07	8.97E-08	1.06E-07	4.15E-08	2.11E-07	8.97E-08
3644	488363.09	3850877.25	6.39E-04	6.55E-04	6.17E-04	2.21E-07	6.68E-07	3.87E-07	3.96E-07	3.59E-07	1.64E-07	1.55E-07	7.39E-09	1.78E-07	3.94E-08	5.38E-08	8.53E-08	1.50E-08	1.02E-08	3.89E-07	2.02E-07	8.56E-08	1.01E-07	3.96E-08	2.02E-07	8.56E-08
3645	488863.09	3850877.25	6.08E-04	6.23E-04	5.87E-04	2.10E-07	6.36E-07	3.68E-07	3.77E-07	3.42E-07	1.56E-07	1.47E-07	7.03E-09	1.70E-07	3.75E-08	5.12E-08	8.12E-08	1.43E-08	9.70E-09	3.71E-07	1.92E-07	8.14E-08	9.58E-08	3.76E-08	1.92E-07	8.14E-08
3646	489363.09	3850877.25	5.81E-04	5.96E-04	5.62E-04	2.01E-07	6.08E-07	3.52E-07	3.60E-07	3.27E-07	1.49E-07	1.41E-07	6.72E-09	1.62E-07	3.58E-08	4.89E-08	7.76E-08	1.37E-08	9.27E-09	3.54E-07	1.84E-07	7.79E-08	9.16E-08	3.60E-08	1.84E-07	7.79E-08
3647	489863.09	3850877.25	5.51E-04	5.64E-04	5.32E-04	1.91E-07	5.75E-07	3.33E-07	3.41E-07	3.09E-07	1.41E-07	1.33E-07	6.36E-09	1.54E-07	3.39E-08	4.63E-08	7.35E-08	1.30E-08	8.78E-09	3.36E-07	1.74E-07	7.37E-08	8.67E-08	3.41E-08	1.74E-07	7.37E-08
3648	490363.09	3850877.25	5.27E-04	5.40E-04	5.09E-04	1.82E-07	5.51E-07	3.19E-07	3.27E-07	2.96E-07	1.35E-07	1.27E-07	6.09E-09	1.47E-07	3.25E-08	4.43E-08	7.03E-08	1.24E-08	8.40E-09	3.21E-07	1.66E-07	7.06E-08	8.30E-08	3.26E-08	1.66E-07	7.06E-08
3649	490863.09	3850877.25	5.02E-04	5.14E-04	4.85E-04	1.74E-07	5.24E-07	3.04E-07	3.11E-07	2.82E-07	1.29E-07	1.21E-07	5.80E-09	1.40E-07	3.09E-08	4.22E-08	6.70E-08	1.18E-08	8.00E-09	3.06E-07	1.58E-07	6.72E-08	7.91E-08	3.11E-08	1.58E-07	6.72E-08
3650	491363.09	3850877.25	4.74E-04	4.85E-04	4.58E-04	1.64E-07	4.95E-07	2.87E-07	2.94E-07	2.66E-07	1.21E-07	1.15E-07	5.48E-09	1.32E-07	2.92E-08	3.99E-08	6.32E-08	1.11E-08	7.56E-09	2.89E-07	1.50E-07	6.34E-08	7.46E-08	2.93E-08	1.50E-07	6.34E-08
3651	491863.09	3850877.25	4.44E-04	4.55E-04	4.29E-04	1.54E-07	4.64E-07	2.69E-07	2.75E-07	2.50E-07	1.14E-07	1.07E-07	5.14E-09	1.24E-07	2.74E-08	3.74E-08	5.93E-08	1.05E-08	7.09E-09	2.71E-07	1.40E-07	5.95E-08	7.00E-08	2.75E-08	1.40E-07	5.95E-08
3652	492363.09	3850877.25	4.18E-04	4.28E-04	4.04E-04	1.45E-07	4.37E-07	2.53E-07	2.59E-07	2.35E-07	1.07E-07	1.01E-07	4.83E-09	1.17E-07	2.57E-08	3.51E-08	5.58E-08	9.83E-09	6.66E-09	2.55E-07	1.32E-07	5.59E-08	6.58E-08	2.58E-08	1.32E-07	5.59E-08
3653	492863.09	3850877.25	3.98E-04	4.08E-04	3.85E-04	1.38E-07	4.16E-07	2.41E-07	2.47E-07	2.24E-07	1.02E-07	9.64E-08	4.61E-09	1.11E-07	2.46E-08	3.35E-08	5.32E-08	9.37E-09	6.36E-09	2.43E-07	1.26E-07	5.34E-08	6.28E-08	2.47E-08	1.26E-07	5.34E-08
3654	493363.09	3850877.25	3.85E-04	3.95E-04	3.72E-04	1.33E-07	4.03E-07	2.33E-07	2.39E-07	2.16E-07	9.87E-08	9.31E-08	4.45E-09	1.08E-07	2.37E-08	3.24E-08	5.14E-08	9.06E-09	6.14E-09	2.35E-07	1.22E-07	5.16E-08	6.07E-08	2.38E-08	1.22E-07	5.16E-08
3655	493863.09	3850877.25	3.88E-04	3.98E-04	3.75E-04	1.34E-07	4.06E-07	2.35E-07	2.41E-07	2.18E-07	9.95E-08	9.39E-08	4.49E-09	1.08E-07	2.39E-08	3.27E-08	5.18E-08	9.13E-09	6.19E-09	2.37E-07	1.23E-07	5.20E-08	6.11E-08	2.40E-08	1.23E-07	5.20E-08
3656	494363.09	3850877.25	3.82E-04	3.92E-04	3.69E-04	1.32E-07	4.00E-07	2.31E-07	2.37E-07	2.15E-07	9.80E-08	9.24E-08	4.42E-09	1.07E-07	2.36E-08	3.22E-08	5.10E-08	8.99E-09	6.10E-09	2.33E-07	1.21E-07	5.12E-08	6.02E-08	2.37E-08	1.21E-07	5.12E-08
3657	494863.09	3850877.25	3.87E-04	3.96E-04	3.74E-04	1.34E-07	4.04E-07	2.34E-07	2.40E-07	2.17E-07	9.91E-08	9.35E-08	4.47E-09	1.08E-07	2.38E-08	3.25E-08	5.16E-08	9.10E-09	6.17E-09	2.36E-07	1.22E-07	5.18E-08	6.09E-08	2.39E-08	1.22E-07	5.18E-08
3658	495363.09	3850877.25	3.94E-04	4.04E-04	3.81E-04	1.36E-07	4.12E-07	2.38E-07	2.44E-07	2.21E-07	1.01E-07	9.53E-08	4.56E-09	1.10E-07	2.43E-08	3.32E-08	5.26E-08	9.27E-09	6.28E-09	2.40E-07	1.24E-07	5.28E-08	6.21E-08	2.44E-08	1.24E-07	5.28E-08
3659	495863.09	3850877.25	3.87E-04	3.96E-04	3.74E-04	1.34E-07	4.04E-07	2.34E-07	2.40E-07	2.17E-07	9.91E-08	9.35E-08	4.47E-09	1.08E-07	2.38E-08	3.25E-08	5.16E-08	9.10E-09	6.17E-09	2.36E-07	1.22E-07	5.18E-08	6.09E-08	2.39E-08	1.22E-07	5.18E-08
3660	496363.09	3850877.25	3.85E-04	3.95E-04	3.72E-04	1.33E-07	4.03E-07	2.33E-07	2.39E-07	2.16E-07	9.87E-08	9.31E-08	4.45E-09	1.08E-07	2.37E-08	3.24E-08	5.14E-08	9.06E-09	6.14E-09	2.35E-07	1.22E-07	5.16E-08	6.07E-08	2.38E-08	1.22E-07	5.16E-08
3661	496863.09	3850877.25	3.90E-04	3.99E-04	3.76E-04	1.35E-07	4.07E-07	2.36E-07	2.41E-07	2.19E-07	9.99E-08	9.42E-08	4.50E-09	1.09E-07	2.40E-08	3.28E-08	5.20E-08	9.17E-09	6.21E-09	2.37E-07	1.23E-07	5.22E-08	6.14E-08	2.41E-08	1.23E-07	5.22E-08
3662	497363.09	3850877.25	3.81E-04	3.90E-04	3.68E-04	1.32E-07	3.98E-07	2.30E-07	2.36E-07	2.14E-07	9.76E-08	9.21E-08	4.40E-09	1.06E-07	2.35E-08	3.20E-08	5.08E-08	8.96E-09	6.07E-09	2.32E-07	1.20E-07	5.10E-08	6.00E-08	2.36E-08	1.20E-07	5.10E-08
3663	497863.09	3850877.25	3.70E-04	3.79E-04	3.58E-04	1.28E-07	3.87E-07	2.24E-07	2.30E-07	2.08E-07	9.50E-08	8.96E-08	4.28E-09	1.03E-07	2.28E-08	3.12E-08	4.94E-08	8.71E-09	5.91E-09	2.26E-07	1.17E-07	4.96E-08	5.84E-08	2.29E-08	1.17E-07	4.96E-08
3664	498363.09	3850877.25	3.60E-04	3.69E-04	3.48E-04	1.25E-07	3.76E-07	2.18E-07	2.23E-07	2.02E-07	9.23E-08	8.71E-08	4.16E-09	1.01E-07	2.22E-08	3.03E-08	4.81E-08	8.47E-09	5.74E-09	2.19E-07	1.14E-07	4.82E-08	5.67E-08	2.23E-08	1.14E-07	4.82E-08
3665	471363.09	3851377.25	2.85E-04	2.92E-04	2.75E-04	9.86E-08	2.98E-07	1.72E-07	1.77E-07	1.60E-07	7.30E-08	6.89E-08	3.29E-09	7.95E-08	1.76E-08	2.40E-08	3.80E-08	6.70E-09	4.54E-09	1.74E-07	8.99E-08	3.81E-08	4.49E-08	1.76E-08	8.99E-08	3.81E-08
3666	471863.09	3851377.25	3.31E-04	3.39E-04	3.19E-04	1.14E-07	3.46E-07	2.00E-07	2.05E-07	1.86E-07	8.47E-08	7.99E-08	3.82E-09	9.23E-08	2.04E-08	2.78E-08	4.41E-08	7.78E-09	5.27E-09	2.01E-07	1.04E-07	4.43E-08	5.21E-08	2.05E-08	1.04E-07	4.43E-08
3667	472363.09	3851377.25	3.42E-04	3.51E-04	3.31E-04	1.19E-07	3.58E-07	2.07E-07	2.12E-07	1.92E-07	8.78E-08	8.28E-08	3.96E-09	9.56E-08	2.11E-08	2.88E-08	4.57E-08	8.05E-09	5.46E-09	2.09E-07	1.08E-07	4.59E-08	5.39E-08	2.12E-08	1.08E-07	4.59E-08
3668	472863.09	3851377.25	3.57E-04	3.66E-04	3.45E-04	1.24E-07	3.73E-07	2.16E-07	2.21E-07	2.01E-07	9.16E-08	8.64E-08	4.13E-09	9.97E-08	2.20E-08	3.01E-08	4.77E-08	8.40E-09	5.70E-09	2.18E-07	1.13E-07	4.78E-08	5.63E-08	2.21E-08	1.13E-07	4.78E-08
3669	473363.09	3851377.25	3.44E-04	3.52E-04	3.32E-04	1.19E-07	3.59E-07	2.08E-07	2.13E-07	1.93E-07	8.81E-08	8.31E-08	3.98E-09	9.60E-08	2.12E-08	2.89E-08	4.59E-08	8.09E-09	5.48E-09	2.10E-07	1.09E-07	4.60E-08	5.42E-08	2.13E-08	1.09E-07	4.60E-08
3670	473863.09	3851377.25	3.67E-04	3.76E-04	3.55E-04	1.27E-07	3.84E-07	2.22E-07	2.28E-07	2.06E-07	9.42E-08	8.89E-08	4.25E-09	1.03E-07	2.26E-08	3.09E-08	4.91E-08	8.65E-09	5.86E-09	2.24E-07	1.16E-07	4.92E-08	5.79E-08	2.27E-08	1.16E-07	4.92E-08
3671	474363.09	3851377.25	4.38E-04	4.49E-04	4.23E-04	1.52E-07	4.58E-07	2.65E-07	2.72E-07	2.46E-07	1.12E-07	1.06E-07	5.07E-09	1.22E-07	2.70E-08	3.69E-08	5.85E-08	1.03E-08	6.99E-09	2.67E-07	1.38E-07	5.87E-08	6.91E-08	2.71E-08	1.38E-07	5.87E-08
3672	474863.09	3851377.25	5.00E-04	5.12E-04	4.83E-04	1.73E-07	5.23E-07	3.03E-07	3.10E-07	2.81E-07	1.28E-07	1.21E-07	5.78E-09	1.40E-07	3.08E-08	4.21E-08	6.68E-08	1.18E-08	7.98E-09	3.05E-07	1.58E-07	6.70E-08	7.88E-08	3.10E-08	1.58E-07	6.70E-08
3673	475363.09	3851377.25	5.49E-04	5.62E-04	5.30E-04	1.90E-07	5.74E-07	3.32E-07	3.40E-07	3.08E-07	1.41E-07	1.33E-07	6.35E-09	1.53E-07	3.38E-08	4.62E-08	7.33E-08	1.29E-08	8.76E-09	3.35E-07	1.73E-07	7.35E-08	8.65E-08	3.40E-08	1.73E-07	7.35E-08
3674	475863.09	3851377.25	5.95E-04	6.09E-04	5.75E-04	2.06E-07	6.22E-07	3.60E-07	3.69E-07	3.34E-07	1.52E-07	1.44E-07	6.88E-09	1.66E-07	3.66E-08	5.00E-08	7.94E-08	1.40E-08	9.49E-09	3.63E-07	1.88E-07	7.96E-08	9.37E-08	3.68E-08	1.88E-07	7.96E-08
3675	476363.09	3851377.25	6.51E-04	6.67E-04	6.29E-04	2.25E-07	6.80E-07	3.94E-07	4.03E-07	3.66E-07	1.67E-07	1.57E-07	7.52E-09	1.82E-07	4.01E-08	5.48E-08	8.69E-08	1.53E-08	1.04E-08	3.97E-07	2.05E-07	8.72E-08	1.03E-07	4.03E-08	2.05E-07	8.72E-08
3676	476863.09	3851377.25	7.16E-04	7.33E-04	6.92E-04	2.48E-07	7.48E-07	4.33E-07	4.44E-07	4.02E-07	1.83E-07	1.73E-07	8.27E-09	2.00E-07	4.41E-08	6.02E-08	9.55E-08	1.68E-08	1.14E-08	4.36E-07	2.26E-07	9.59E-08	1.13E-07	4.43E-08	2.26E-07	9.59E-08
3677	477363.09	3851377.25	7.87E-04	8.06E-04	7.60E-04	2.72E-07	8.22E-07	4.76E-07	4.88E-07	4.42E-07	2.02E-07	1.90E-07	9.09E-09	2.20E-07	4.85E-08	6.62E-08	1.05E-07	1.85E-08	1.25E-08	4.79E-07	2.48E-07	1.05E-07	1.24E-07	4.87E-08	2.48E-07	1.05E-07
3678	477863.09	3851377.25	8.87E-04	9.08E-04	8.57E-04	3.07E-07	9.27E-07	5.37E-07	5.50E-07	4.98E-07	2.27E-07	2.14E-07	1.03E-08	2.48E-07	5.47E-08	7.46E-08	1.18E-07	2.09E-08	1.41E-08	5.41E-07	2.80E-07	1.19E-07	1.40E-07	5.49E-08	2.80E-07	1.19E-07
3679	478363.09	3851377.25	1.03E-03	1.05E-03	9.91E-04	3.55E-07	1.07E-06	6.21E-07	6.36E-07	5.76E-07	2.63E-07	2.48E-07	1.19E-08	2.86E-07	6.32E-08	8.63E-08	1.37E-07	2.41E-08	1.64E-08	6.25E-07	3.24E-07	1.37E-07	1.62E-07	6.35E-08	3.24E-07	1.37E-07
3680	478863.09	3851377.25	1.24E-03	1.27E-03	1.20E-03	4.31E-07	1.30E-06	7.53E-07	7.71E-07	6.99E-07	3.19E-07	3.01E-07	1.44E-08	3.47E-07	7.67E-08	1.05E-07	1.66E-07	2.93E-08	1.98E-08	7.58E-07	3.93E-07	1.67E-07	1.96E-07	7.70E-08	3.93E-07	1.67E-07
3681	479363.09	3851377.25	1.61E-03	1.65E-03	1.55E-03	5.56E-07	1.68E-06	9.72E-07	9.96E-07	9.03E-07	4.12E-07	3.89E-07	1.86E-08	4.49E-07	9.90E-08	1.35E-07	2.15E-07	3.78E-08	2.56E-08	9.80E-07	5.07E-07	2.15E-07	2.53E-07	9.95E-08	5.07E-07	2.15E-07
3682	479863.09	3851377.25	2.35E-03	2.41E-03	2.27E-03	8.14E-07	2.46E-06	1.42E-06	1.46E-06	1.32E-06	6.03E-07	5.68E-07	2.72E-08	6.56E-07	1.45E-07	1.98E-07	3.14E-07	5.53E-08	3.75E-08	1.43E-06	7.42E-07	3.15E-07	3.70E-07	1.46E-07	7.42E-07	3.15E-07
3683	480363.09	3851377.25	5.11E-03	5.24E-03	4.94E-03	1.77E-06	5.35E-06	3.09E-06	3.17E-06	2.87E-06	1.31E-06	1.24E-06	5.91E-08	1.43E-06	3.15E-07	4.30E-07	6.83E-07	1.20E-07	8.16E-08	3.12E-06	1.61E-06	6.85E-07	8.06E-07	3.16E-07	1.61E-06	6.85E-07
3684	480863.09	3851377.25	4.51E-02	4.62E-02	4.36E-02	1.56E-05	4.71E-05	2.73E-05	2.79E-05	2.53E-05	1.16E-05	1.09E-05	5.21E-07	1.26E-05	2.78E-06	3.79E-06	6.02E-06	1.06E-06	7.19E-07	2.75E-05	1.42E-05	6.04E-06	7.10E-06	2.79E-06	1.42E-05	6.04E-06
3685	481363.09	3851377.25	8.25E-03	8.45E-03	7.97E-03	2.86E-06	8.62E-06	4.99E-06	5.11E-06	4.63E-06	2.11E-06	1.99E-06	9.54E-08	2.30E-06	5.08E-07	6.94E-07	1.10E-06	1.94E-07	1.32E-07	5.03E-06	2.60E-06	1.10E-06	1.30E-06	5.11E-07	2.60E-06	1.10E-06
3686	481863.09	3851377.25	3.98E-03	4.08E-03	3.85E-03	1.38E-06	4.16E-06	2.41E-06	2.47E-06	2.24E-06	1.02E-06	9.63E-07	4.60E-08	1.11E-06	2.45E-07	3.35E-07	5.32E-07	9.37E-08	6.35E-08	2.43E-06	1.26E-06	5.33E-07	6.28E-07	2.47E-07	1.26E-06	5.33E-07
3687	482363.09	3851377.25	2.60E-03	2.67E-03	2.52E-03	9.01E-07	2.72E-06	1.58E-06	1.61E-06	1.46E-06	6.67E-07	6.29E-07	3.01E-08	7.27E-07	1.60E-07	2.19E-07	3.48E-07	6.12E-08	4.15E-08	1.59E-06	8.22E-07	3.49E-07	4.10E-07	1.61E-07	8.22E-07	3.49E-07
3688	482863.09	3851377.25	1.79E-03	1.84E-03	1.73E-03	6.21E-07	1.88E-06	1.09E-06	1.11E-06	1.01E-06	4.60E-07	4.34E-07	2.07E-08	5.01E-07	1.11E-07	1.51E-07	2.40E-07	4.22E-08	2.86E-08	1.09E-06	5.66E-07	2.40E-07	2.83E-07	1.11E-07	5.66E-07	2.40E-07
3689	483363.09	3851377.25	1.37E-03	1.41E-03	1.33E-03	4.75E-07	1.43E-06	8.30E-07	8.51E-07	7.71E-07	3.52E-07	3.32E-07	1.59E-08	3.83E-07	8.46E-08	1.15E-07	1.83E-07	3.23E-08	2.19E-08	8.37E-07	4.33E-07	1.84E-07	2.16E-07	8.49E-08	4.33E-07	1.84E-07

3690	483863.09	3851377.25	1.17E-03	1.20E-03	1.13E-03	4.06E-07	1.22E-06	7.09E-07	7.26E-07	6.58E-07	3.00E-07	2.83E-07	1.35E-08	3.27E-07	7.22E-08	9.86E-08	1.56E-07	2.76E-08	1.87E-08	7.14E-07	3.70E-07	1.57E-07	1.85E-07	7.25E-08	3.70E-07	1.57E-07
3691	484363.09	3851377.25	1.16E-03	1.19E-03	1.12E-03	4.03E-07	1.22E-06	7.04E-07	7.21E-07	6.53E-07	2.98E-07	2.81E-07	1.34E-08	3.25E-07	7.17E-08	9.79E-08	1.55E-07	2.74E-08	1.85E-08	7.09E-07	3.67E-07	1.56E-07	1.83E-07	7.20E-08	3.67E-07	1.56E-07
3692	484863.09	3851377.25	9.70E-04	9.93E-04	9.37E-04	3.36E-07	1.01E-06	5.87E-07	6.01E-07	5.45E-07	2.49E-07	2.34E-07	1.12E-08	2.71E-07	5.97E-08	8.16E-08	1.29E-07	2.28E-08	1.55E-08	5.91E-07	3.06E-07	1.30E-07	1.53E-07	6.00E-08	3.06E-07	1.30E-07
3693	485363.09	3851377.25	9.87E-04	1.01E-03	9.54E-04	3.42E-07	1.03E-06	5.97E-07	6.12E-07	5.55E-07	2.53E-07	2.39E-07	1.14E-08	2.76E-07	6.08E-08	8.31E-08	1.32E-07	2.32E-08	1.57E-08	6.02E-07	3.12E-07	1.32E-07	1.56E-07	6.11E-08	3.12E-07	1.32E-07
3694	485863.09	3851377.25	8.78E-04	8.99E-04	8.48E-04	3.04E-07	9.18E-07	5.31E-07	5.44E-07	4.93E-07	2.25E-07	2.12E-07	1.02E-08	2.45E-07	5.41E-08	7.39E-08	1.17E-07	2.07E-08	1.40E-08	5.35E-07	2.77E-07	1.18E-07	1.38E-07	5.43E-08	2.77E-07	1.18E-07
3695	486363.09	3851377.25	8.50E-04	8.71E-04	8.21E-04	2.94E-07	8.89E-07	5.14E-07	5.27E-07	4.78E-07	2.18E-07	2.06E-07	9.83E-09	2.37E-07	5.24E-08	7.15E-08	1.13E-07	2.00E-08	1.36E-08	5.18E-07	2.68E-07	1.14E-07	1.34E-07	5.26E-08	2.68E-07	1.14E-07
3696	486863.09	3851377.25	7.91E-04	8.10E-04	7.64E-04	2.74E-07	8.27E-07	4.79E-07	4.90E-07	4.44E-07	2.03E-07	1.91E-07	9.14E-09	2.21E-07	4.87E-08	6.66E-08	1.06E-07	1.86E-08	1.26E-08	4.82E-07	2.50E-07	1.06E-07	1.25E-07	4.90E-08	2.50E-07	1.06E-07
3697	487363.09	3851377.25	7.11E-04	7.29E-04	6.87E-04	2.46E-07	7.44E-07	4.30E-07	4.41E-07	4.00E-07	1.82E-07	1.72E-07	8.22E-09	1.99E-07	4.38E-08	5.99E-08	9.50E-08	1.67E-08	1.13E-08	4.34E-07	2.25E-07	9.53E-08	1.12E-07	4.40E-08	2.25E-07	9.53E-08
3698	487863.09	3851377.25	6.94E-04	7.10E-04	6.70E-04	2.40E-07	7.25E-07	4.20E-07	4.30E-07	3.90E-07	1.78E-07	1.68E-07	8.02E-09	1.94E-07	4.27E-08	5.84E-08	9.26E-08	1.63E-08	1.11E-08	4.23E-07	2.19E-07	9.29E-08	1.09E-07	4.29E-08	2.19E-07	9.29E-08
3699	488363.09	3851377.25	6.64E-04	6.80E-04	6.42E-04	2.30E-07	6.94E-07	4.02E-07	4.12E-07	3.73E-07	1.70E-07	1.61E-07	7.68E-09	1.85E-07	4.09E-08	5.59E-08	8.86E-08	1.56E-08	1.06E-08	4.05E-07	2.10E-07	8.89E-08	1.05E-07	4.11E-08	2.10E-07	8.89E-08
3700	488863.09	3851377.25	6.30E-04	6.45E-04	6.09E-04	2.18E-07	6.59E-07	3.81E-07	3.91E-07	3.54E-07	1.62E-07	1.52E-07	7.28E-09	1.76E-07	3.88E-08	5.30E-08	8.41E-08	1.48E-08	1.01E-08	3.84E-07	1.99E-07	8.44E-08	9.93E-08	3.90E-08	1.99E-07	8.44E-08
3701	489363.09	3851377.25	6.01E-04	6.15E-04	5.80E-04	2.08E-07	6.28E-07	3.63E-07	3.72E-07	3.37E-07	1.54E-07	1.45E-07	6.94E-09	1.68E-07	3.70E-08	5.05E-08	8.02E-08	1.41E-08	9.58E-09	3.66E-07	1.90E-07	8.04E-08	9.46E-08	3.72E-08	1.90E-07	8.04E-08
3702	489863.09	3851377.25	5.70E-04	5.83E-04	5.50E-04	1.97E-07	5.95E-07	3.45E-07	3.53E-07	3.20E-07	1.46E-07	1.38E-07	6.59E-09	1.59E-07	3.51E-08	4.79E-08	7.60E-08	1.34E-08	9.09E-09	3.47E-07	1.80E-07	7.63E-08	8.97E-08	3.53E-08	1.80E-07	7.63E-08
3703	490363.09	3851377.25	5.43E-04	5.56E-04	5.25E-04	1.88E-07	5.68E-07	3.29E-07	3.37E-07	3.05E-07	1.39E-07	1.31E-07	6.28E-09	1.52E-07	3.35E-08	4.57E-08	7.25E-08	1.28E-08	8.66E-09	3.31E-07	1.71E-07	7.27E-08	8.56E-08	3.36E-08	1.71E-07	7.27E-08
3704	490863.09	3851377.25	5.17E-04	5.29E-04	4.99E-04	1.79E-07	5.40E-07	3.13E-07	3.20E-07	2.90E-07	1.32E-07	1.25E-07	5.97E-09	1.44E-07	3.18E-08	4.35E-08	6.89E-08	1.22E-08	8.24E-09	3.15E-07	1.63E-07	6.92E-08	8.14E-08	3.20E-08	1.63E-07	6.92E-08
3705	491363.09	3851377.25	4.87E-04	4.99E-04	4.71E-04	1.69E-07	5.09E-07	2.95E-07	3.02E-07	2.74E-07	1.25E-07	1.18E-07	5.63E-09	1.36E-07	3.00E-08	4.10E-08	6.50E-08	1.15E-08	7.77E-09	2.97E-07	1.54E-07	6.52E-08	7.67E-08	3.01E-08	1.54E-07	6.52E-08
3706	491863.09	3851377.25	4.62E-04	4.73E-04	4.46E-04	1.60E-07	4.83E-07	2.80E-07	2.86E-07	2.60E-07	1.18E-07	1.12E-07	5.34E-09	1.29E-07	2.85E-08	3.89E-08	6.17E-08	1.09E-08	7.37E-09	2.82E-07	1.46E-07	6.19E-08	7.28E-08	2.86E-08	1.46E-07	6.19E-08
3707	492363.09	3851377.25	4.43E-04	4.53E-04	4.28E-04	1.53E-07	4.63E-07	2.68E-07	2.74E-07	2.49E-07	1.13E-07	1.07E-07	5.12E-09	1.24E-07	2.73E-08	3.73E-08	5.91E-08	1.04E-08	7.06E-09	2.70E-07	1.40E-07	5.93E-08	6.98E-08	2.74E-08	1.40E-07	5.93E-08
3708	492863.09	3851377.25	4.21E-04	4.31E-04	4.06E-04	1.46E-07	4.40E-07	2.55E-07	2.61E-07	2.36E-07	1.08E-07	1.02E-07	4.86E-09	1.17E-07	2.59E-08	3.54E-08	5.61E-08	9.89E-09	6.71E-09	2.56E-07	1.33E-07	5.63E-08	6.63E-08	2.60E-08	1.33E-07	5.63E-08
3709	493363.09	3851377.25	3.87E-04	3.96E-04	3.74E-04	1.34E-07	4.04E-07	2.34E-07	2.40E-07	2.17E-07	9.91E-08	9.35E-08	4.47E-09	1.08E-07	2.38E-08	3.25E-08	5.16E-08	9.10E-09	6.17E-09	2.36E-07	1.22E-07	5.18E-08	6.09E-08	2.39E-08	1.22E-07	5.18E-08
3710	493863.09	3851377.25	3.90E-04	3.99E-04	3.76E-04	1.35E-07	4.07E-07	2.36E-07	2.41E-07	2.19E-07	9.99E-08	9.42E-08	4.50E-09	1.09E-07	2.40E-08	3.28E-08	5.20E-08	9.17E-09	6.21E-09	2.37E-07	1.23E-07	5.22E-08	6.14E-08	2.41E-08	1.23E-07	5.22E-08
3711	494363.09	3851377.25	4.09E-04	4.19E-04	3.95E-04	1.42E-07	4.27E-07	2.47E-07	2.53E-07	2.30E-07	1.05E-07	9.88E-08	4.73E-09	1.14E-07	2.52E-08	3.44E-08	5.46E-08	9.62E-09	6.52E-09	2.49E-07	1.29E-07	5.47E-08	6.44E-08	2.53E-08	1.29E-07	5.47E-08
3712	494863.09	3851377.25	4.03E-04	4.13E-04	3.89E-04	1.39E-07	4.21E-07	2.44E-07	2.50E-07	2.26E-07	1.03E-07	9.74E-08	4.66E-09	1.13E-07	2.48E-08	3.39E-08	5.38E-08	9.48E-09	6.43E-09	2.46E-07	1.27E-07	5.40E-08	6.35E-08	2.49E-08	1.27E-07	5.40E-08
3713	495363.09	3851377.25	4.18E-04	4.28E-04	4.04E-04	1.45E-07	4.37E-07	2.53E-07	2.59E-07	2.35E-07	1.07E-07	1.01E-07	4.83E-09	1.17E-07	2.57E-08	3.51E-08	5.58E-08	9.83E-09	6.66E-09	2.55E-07	1.32E-07	5.59E-08	6.58E-08	2.58E-08	1.32E-07	5.59E-08
3714	495863.09	3851377.25	4.15E-04	4.25E-04	4.01E-04	1.44E-07	4.33E-07	2.51E-07	2.57E-07	2.33E-07	1.06E-07	1.00E-07	4.79E-09	1.16E-07	2.56E-08	3.49E-08	5.54E-08	9.76E-09	6.61E-09	2.53E-07	1.31E-07	5.55E-08	6.53E-08	2.57E-08	1.31E-07	5.55E-08
3715	496363.09	3851377.25	4.09E-04	4.19E-04	3.95E-04	1.42E-07	4.27E-07	2.47E-07	2.53E-07	2.30E-07	1.05E-07	9.88E-08	4.73E-09	1.14E-07	2.52E-08	3.44E-08	5.46E-08	9.62E-09	6.52E-09	2.49E-07	1.29E-07	5.47E-08	6.44E-08	2.53E-08	1.29E-07	5.47E-08
3716	496863.09	3851377.25	4.01E-04	4.11E-04	3.88E-04	1.39E-07	4.20E-07	2.43E-07	2.49E-07	2.26E-07	1.03E-07	9.71E-08	4.64E-09	1.12E-07	2.47E-08	3.38E-08	5.36E-08	9.44E-09	6.40E-09	2.45E-07	1.27E-07	5.38E-08	6.32E-08	2.48E-08	1.27E-07	5.38E-08
3717	497363.09	3851377.25	3.93E-04	4.02E-04	3.79E-04	1.36E-07	4.10E-07	2.38E-07	2.43E-07	2.21E-07	1.01E-07	9.49E-08	4.54E-09	1.10E-07	2.42E-08	3.30E-08	5.24E-08	9.24E-09	6.26E-09	2.39E-07	1.24E-07	5.26E-08	6.18E-08	2.43E-08	1.24E-07	5.26E-08
3718	497863.09	3851377.25	3.82E-04	3.92E-04	3.69E-04	1.32E-07	4.00E-07	2.31E-07	2.37E-07	2.15E-07	9.80E-08	9.24E-08	4.42E-09	1.07E-07	2.36E-08	3.22E-08	5.10E-08	8.99E-09	6.10E-09	2.33E-07	1.21E-07	5.12E-08	6.02E-08	2.37E-08	1.21E-07	5.12E-08
3719	498363.09	3851377.25	3.66E-04	3.75E-04	3.54E-04	1.27E-07	3.83E-07	2.21E-07	2.27E-07	2.06E-07	9.38E-08	8.85E-08	4.23E-09	1.02E-07	2.26E-08	3.08E-08	4.89E-08	8.61E-09	5.84E-09	2.23E-07	1.16E-07	4.90E-08	5.77E-08	2.27E-08	1.16E-07	4.90E-08
3720	471363.09	3851877.25	2.79E-04	2.86E-04	2.69E-04	9.66E-08	2.92E-07	1.69E-07	1.73E-07	1.57E-07	7.15E-08	6.74E-08	3.22E-09	7.79E-08	1.72E-08	2.35E-08	3.72E-08	6.56E-09	4.45E-09	1.70E-07	8.80E-08	3.74E-08	4.39E-08	1.73E-08	8.80E-08	3.74E-08
3721	471863.09	3851877.25	2.80E-04	2.87E-04	2.71E-04	9.71E-08	2.93E-07	1.70E-07	1.74E-07	1.58E-07	7.19E-08	6.78E-08	3.24E-09	7.83E-08	1.73E-08	2.36E-08	3.74E-08	6.60E-09	4.47E-09	1.71E-07	8.85E-08	3.76E-08	4.42E-08	1.74E-08	8.85E-08	3.76E-08
3722	472363.09	3851877.25	3.06E-04	3.13E-04	2.95E-04	1.06E-07	3.19E-07	1.85E-07	1.89E-07	1.72E-07	7.83E-08	7.39E-08	3.53E-09	8.53E-08	1.88E-08	2.57E-08	4.08E-08	7.19E-09	4.87E-09	1.86E-07	9.64E-08	4.09E-08	4.81E-08	1.89E-08	9.64E-08	4.09E-08
3723	472863.09	3851877.25	3.29E-04	3.37E-04	3.18E-04	1.14E-07	3.44E-07	1.99E-07	2.04E-07	1.85E-07	8.44E-08	7.96E-08	3.80E-09	9.19E-08	2.03E-08	2.77E-08	4.39E-08	7.74E-09	5.25E-09	2.01E-07	1.04E-07	4.41E-08	5.18E-08	2.04E-08	1.04E-07	4.41E-08
3724	473363.09	3851877.25	3.20E-04	3.28E-04	3.09E-04	1.11E-07	3.35E-07	1.94E-07	1.98E-07	1.80E-07	8.21E-08	7.74E-08	3.70E-09	8.94E-08	1.97E-08	2.69E-08	4.27E-08	7.53E-09	5.11E-09	1.95E-07	1.01E-07	4.29E-08	5.05E-08	1.98E-08	1.01E-07	4.29E-08
3725	473863.09	3851877.25	3.28E-04	3.36E-04	3.17E-04	1.13E-07	3.42E-07	1.98E-07	2.03E-07	1.84E-07	8.40E-08	7.92E-08	3.79E-09	9.15E-08	2.02E-08	2.76E-08	4.37E-08	7.71E-09	5.23E-09	2.00E-07	1.03E-07	4.39E-08	5.16E-08	2.03E-08	1.03E-07	4.39E-08
3726	474363.09	3851877.25	3.72E-04	3.81E-04	3.59E-04	1.29E-07	3.89E-07	2.25E-07	2.30E-07	2.09E-07	9.53E-08	8.99E-08	4.30E-09	1.04E-07	2.29E-08	3.13E-08	4.96E-08	8.75E-09	5.93E-09	2.27E-07	1.17E-07	4.98E-08	5.86E-08	2.30E-08	1.17E-07	4.98E-08
3727	474863.09	3851877.25	4.24E-04	4.34E-04	4.09E-04	1.47E-07	4.43E-07	2.56E-07	2.63E-07	2.38E-07	1.09E-07	1.02E-07	4.90E-09	1.18E-07	2.61E-08	3.56E-08	5.65E-08	9.96E-09	6.76E-09	2.58E-07	1.34E-07	5.67E-08	6.67E-08	2.62E-08	1.34E-07	5.67E-08
3728	475363.09	3851877.25	4.63E-04	4.75E-04	4.48E-04	1.60E-07	4.84E-07	2.80E-07	2.87E-07	2.60E-07	1.19E-07	1.12E-07	5.36E-09	1.29E-07	2.86E-08	3.90E-08	6.19E-08	1.09E-08	7.39E-09	2.82E-07	1.46E-07	6.21E-08	7.30E-08	2.87E-08	1.46E-07	6.21E-08
3729	475863.09	3851877.25	5.05E-04	5.17E-04	4.88E-04	1.75E-07	5.28E-07	3.05E-07	3.13E-07	2.84E-07	1.29E-07	1.22E-07	5.83E-09	1.41E-07	3.11E-08	4.25E-08	6.74E-08	1.19E-08	8.05E-09	3.08E-07	1.59E-07	6.76E-08	7.95E-08	3.12E-08	1.59E-07	6.76E-08
3730	476363.09	3851877.25	5.27E-04	5.40E-04	5.09E-04	1.82E-07	5.51E-07	3.19E-07	3.27E-07	2.96E-07	1.35E-07	1.27E-07	6.09E-09	1.47E-07	3.25E-08	4.43E-08	7.03E-08	1.24E-08	8.40E-09	3.21E-07	1.66E-07	7.06E-08	8.30E-08	3.26E-08	1.66E-07	7.06E-08
3731	476863.09	3851877.25	5.81E-04	5.96E-04	5.62E-04	2.01E-07	6.08E-07	3.52E-07	3.60E-07	3.27E-07	1.49E-07	1.41E-07	6.72E-09	1.62E-07	3.58E-08	4.89E-08	7.76E-08	1.37E-08	9.27E-09	3.54E-07	1.84E-07	7.79E-08	9.16E-08	3.60E-08	1.84E-07	7.79E-08
3732	477363.09	3851877.25	6.38E-04	6.53E-04	6.16E-04	2.21E-07	6.66E-07	3.86E-07	3.95E-07	3.58E-07	1.63E-07	1.54E-07	7.37E-09	1.78E-07	3.93E-08	5.36E-08	8.51E-08	1.50E-08	1.02E-08	3.89E-07	2.01E-07	8.54E-08	1.00E-07	3.95E-08	2.01E-07	8.54E-08
3733	477863.09	3851877.25	7.00E-04	7.17E-04	6.76E-04	2.42E-07	7.31E-07	4.23E-07	4.34E-07	3.93E-07	1.79E-07	1.69E-07	8.09E-09	1.95E-07	4.31E-08	5.89E-08	9.34E-08	1.65E-08	1.12E-08	4.26E-07	2.21E-07	9.37E-08	1.10E-07	4.33E-08	2.21E-07	9.37E-08
3734	478363.09	3851877.25	7.62E-04	7.80E-04	7.36E-04	2.64E-07	7.96E-07	4.61E-07	4.72E-07	4.28E-07	1.95E-07	1.84E-07	8.80E-09	2.13E-07	4.69E-08	6.41E-08	1.02E-07	1.79E-08	1.21E-08	4.64E-07	2.40E-07	1.02E-07	1.20E-07	4.71E-08	2.40E-07	1.02E-07
3735	478863.09	3851877.25	8.74E-04	8.95E-04	8.44E-04	3.02E-07	9.13E-07	5.29E-07	5.41E-07	4.91E-07	2.24E-07	2.11E-07	1.01E-08	2.44E-07	5.38E-08	7.35E-08	1.17E-07	2.06E-08	1.39E-08	5.33E-07	2.76E-07	1.17E-07	1.38E-07	5.41E-08	2.76E-07	1.17E-07
3736	479363.09	3851877.25	1.03E-03	1.06E-03	9.98E-04	3.58E-07	1.08E-06	6.25E-07	6.40E-07	5.80E-07	2.65E-07	2.50E-07	1.19E-08	2.88E-07	6.37E-08	8.69E-08	1.38E-07	2.43E-08	1.65E-08	6.30E-07	3.26E-07	1.38E-07	1.63E-07	6.39E-08	3.26E-07	1.38E-07
3737	479863.09	3851877.25	1.26E-03	1.29E-03	1.21E-03	4.35E-07	1.31E-06	7.61E-07	7.79E-07	7.06E-07	3.22E-07	3.04E-07	1.45E-08	3.51E-07	7.75E-08	1.06E-07	1.68E-07	2.96E-08	2.01E-08	7.66E-07	3.97E-07	1.68E-07	1.98E-07	7.78E-08	3.97E-07	1.68E-07
3738	480363.09	3851877.25	1.64E-03	1.68E-03	1.58E-03	5.68E-07	1.71E-06	9.92E-07	1.02E-06	9.21E-07	4.20E-07	3.96E-07	1.90E-08	4.58E-07	1.01E-07	1.38E-07	2.19E-07	3.86E-08	2.62E-08	9.99E-07	5.18E-07	2.20E-07	2.58E-07	1.01E-07	5.18E-07	2.20E-07
3739	480863.09	3851877.25	2.56E-03	2.63E-03	2.48E-03	8.87E-07	2.68E-06	1.55E-06	1.59E-06	1.44E-06	6.57E-07	6.20E-07	2.96E-08	7.16E-07	1.58E-07	2.16E-07	3.42E-07	6.03E-08	4.09E-08	1.56E-06	8.09E-07	3.43E-07	4.04E-07	1.59E-07	8.09E-07	3.43E-07
3740	481363.09	3851877.25	1.15E-02	1.18E-02	1.11E-02	3.99E-06	1.20E-05	6.97E-06	7.14E-06	6.47E-06	2.95E-06	2.78E-06	1.33E-07	3.22E-06	7.09E-07	9.69E-07	1.54E-06	2.71E-07	1.84E-07	7.02E-06	3.63E-06	1.54E-06	1.81E-06	7.13E-07	3.63E-06	1.54E-06
3741	481863.09	3851877.25	7.96E-03	8.15E-03	7.69E-03	2.75E-06	8.32E-06	4.82E-06	4.93E-06	4.47E-06	2.04E-06	1.92E-06	9.20E-08	2.22E-06	4.90E-07	6.70E-07	1.06E-06	1.87E-07	1.27E-07	4.85E-06	2.51E-06	1.07E-06	1.25E-06	4.93E-07	2.51E-06	1.07E-06
3742	482363.09	3851877.25	3.16E-03	3.24E-03	3.05E-03	1.09E-06	3.30E-06	1.91E-06	1.96E-06	1.78E-06	8.10E-07	7.64E-07	3.65E-08	8.83E-07	1.95E-07	2.66E-07	4.22E-07	7.44E-08	5.04E-08	1.93E-06	9.98E-07	4.23E-07	4.98E-07	1.96E-07	9.98E-07	4.23E-07
3743	482863.09	3851877.25	1.95E-03	2.00E-03	1.89E-03	6.76E-07	2.04E-06	1.18E-06	1.21E-06	1.10E-06	5.01E-07	4.72E-07	2.26E-08	5.45E-07	1.20E-07	1.64E-07	2.61E-07	4.59E-08	3.11E-08	1.19E-06	6.16E-07	2.61E-07	3.08E-07	1.21E-07	6.16E-07	2.61E-07
3744	483363.09	3851877.25	1.63E-03	1.67E-03	1.57E-03	5.63E-07	1.70E-06	9.84E-07	1.01E-06	9.14E-07	4.17E-07	3.93E-07	1.88E-08	4.54E-07	1.00E-07	1.37E-07	2.17E-07	3.83E-08	2.59E-08	9.91E-07	5.13E-07	2.18E-07	2.56E-07	1.01E-07	5.13E-07	2.18E-07
3745	483863.09	3851877.25	1.36E-03	1.40E-03	1.32E-03	4.72E-07	1.43E-06	8.25E-07	8.45E-07	7.66E-07	3.50E-07	3.30E-07	1.58E-08	3.81E-07	8.40E-08	1.15E-07	1.82E-07	3.21E-08	2.17E-08	8.31E-07	4.30E-07	1.83E-07	2.15E-07	8.44E-08	4.30E-07	1.83E-07
3746	484363.09	3851877.25	1.27E-03	1.30E-03	1.23E-03	4.39E-07	1.33E-06	7.68E-07	7.87E-07	7.13E-07	3.25E-07	3.07E-07	1.47E-08	3.54E-07	7.82E-08	1.07E-07	1.69E-07	2.99E-08	2.02E-08	7.74E-07	4.01E-07	1.70E-07	2.00E-07	7.86E-08	4.01E-07	1.70E-07
3747	484863.09	3851877.25	1.12E-03	1.14E-03	1.08E-03	3.87E-07	1.17E-06	6.76E-07	6.92E-07	6.28E-07	2.86E-07	2.70E-07	1.29E-08	3.12E-07	6.88E-08	9.40E-08	1.49E-07	2.63E-08	1.78E-08	6.81E-07	3.53E-07	1.50E-07	1.76E-07	6.91E-08	3.53E-07	1.50E-07
3748	485363.09	3851877.25	1.04E-03	1.06E-03	1.00E-03	3.59E-07	1.08E-06	6.28E-07	6.43E-07	5.83E-07	2.66E-07	2.51E-07	1.20E-08	2.90E-07	6.39E-08	8.73E-08	1.38E-07	2.44E-08	1.65E-08	6.32E-07	3.27E-07	1.39E-07	1.63E-07	6.42E-08	3.27E-07	1.39E-07
3749	485863.09	3851877.25	9.67E-04	9.90E-04	9.34E-04	3.35E-07	1.01E-06	5.85E-07	5.99E-07	5.43E-07	2.48E-07	2.34E-07	1.12E-08	2.70E-07	5.96E-08	8.13E-08	1.29E-07	2.27E-08	1.54E-08	5.89E-07	3.05E-07	1.29E-07	1.52E-07	5.98E-08	3.05E-07	1.29E-07
3750	486363.09	3851877.25	8.69E-04	8.90E-04	8.40E-04	3.01E-07	9.09E-07	5.26E-07	5.39E-07	4.88E-07	2.23E-07	2.10E-07	1.00E-08	2.43E-07	5.36E-08	7.31E-08	1.16E-07	2.04E-08	1.39E-08	5.30E-07	2.74E-07	1.16E-07	1.37E-07	5.38E-08	2.74E-07	1.16E-07
3751	486863.09	3851877.25	8.13E-04	8.33E-04	7.86E-04	2.82E-07	8.50E-07	4.92E-07	5.04E-07	4.57E-07	2.08E-07	1.97E-07	9.40E-09	2.27E-07	5.01E-08	6.84E-08	1.09E-07	1.91E-08	1.30E-08	4.96E-07	2.57E-07	1.09E-07	1.28E-07	5.03E-08	2.57E-07	1.09E-07
3752	487363.09	3851877.25	7.63E-04	7.82E-04	7.37E-04	2.64E-07	7.98E-07	4.62E-07	4.73E-07	4.29E-07	1.96E-07	1.84E-07	8.82E-09	2.13E-07	4.70E-08	6.42E-08	1.02E-07	1.79E-08	1.22E-08	4.65E-07	2.41E-07	1.02E-07	1.20E-07	4.72E-08	2.41E-07	1.02E-07
3753	487863.09	3851877.25	6.92E-04	7.09E-04	6.69E-04	2.40E-07	7.23E-07	4.19E-07	4.29E-07	3.89E-07	1.77E-07	1.67E-07	8.00E-09	1.93E-07	4.26E-08	5.82E-08	9.24E-08	1.63E-08	1.10E-08	4.22E-07	2.18E-07	9.27E-08	1.09E-07	4.28E-08	2.18E-07	9.27E-08
3754	488363.09	3851877.25	6.58E-04	6.74E-04	6.36E-04	2.28E-07	6.88E-07	3.98E-07	4.08E-07	3.70E-07	1.69E-07	1.59E-07	7.61E-09	1.84E-07	4.06E-08	5.54E-08	8.79E-08	1.55E-08	1.05E-08	4.01E-07	2.08E-07	8.81E-08	1.04E-07	4.07E-08	2.08E-07	8.81E-08
3755	488863.09	3851877.25	6.14E-04	6.29E-04	5.93E-04	2.13E-07	6.42E-07	3.71E-07	3.80E-07	3.45E-07	1.57E-07	1.48E-07	7.10E-09	1.71E-07	3.78E-08	5.17E-08	8.20E-08	1.44E-08	9.79E-09	3.74E-07	1.94E-07	8.22E-08	9.67E-08	3.80E-08	1.94E-07	8.22E-08
3756	489363.09	3851877.25	5.76E-04	5.90E-04	5.56E-04	1.99E-07	6.02E-07	3.48E-07	3.57E-07	3.23E-07	1.48E-07	1.39E-07	6.65E-09	1.61E-07	3.55E-08	4.84E-08	7.68E-08	1.35E-08	9.18E-09	3.51E-07	1.82E-07	7.71E-08	9.07E-08	3.56E-08	1.82E-07	7.71E-08
3757	489863.09	3851877.25	5.46E-04	5.59E-04	5.28E-04	1.89E-07	5.71E-07	3.30E-07	3.38E-07	3.07E-07	1.40E-07	1.32E-07	6.31E-09	1.52E-07	3.36E-08	4.59E-08	7.29E-08	1.28E-08	8.71E-09	3.33E-07	1.72E-07	7.31E-08	8.60E-08	3.38E-08	1.72E-07	7.31E-08
3758	490363.09	3851877.25	5.25E-04	5.38E-04	5.08E-04	1.82E-07	5.49E-07	3.18E-07	3.26E-07	2.95E-07	1.35E-07	1.27E-07	6.07E-09	1.47E-07	3.24E-08	4.42E-08	7.01E-08	1.24E-08	8.38E-09	3.20E-07	1.66E-07	7.04E-08	8.28E-08	3.25E-08	1.66E-07	7.04E-08
3759	490863.09	3851877.25	5.09E-04	5.22E-04	4.92E-04	1.76E-07	5.32E-07	3.08E-07	3.16E-07	2.86E-07	1.31E-07	1.23E-07	5.89E-09	1.42E-07	3.14E-08	4.28E-08	6.80E-08	1.20E-08	8.12E-09	3.10E-07	1.61E-07	6.82E-08	8.02E-08	3.15E-08	1.61E-07	6.82E-08
3760	491363.09	3851877.25	4.97E-04	5.09E-04	4.81E-04	1.72E-07	5.20E-07	3.01E-07	3.08E-07	2.79E-07	1.27E-07	1.20E-07	5.75E-09	1.39E-07	3.06E-08	4.18E-08	6.64E-08	1.17E-08	7.93E-09	3.03E-07	1.57E-07	6.66E-08	7.84E-08	3.08E-08	1.57E-07	6.66E-08
3761	491863.09	3851877.25	4.84E-04	4.96E-04	4.68E-04	1.68E-07	5.06E-07	2.93E-07	3.00E-07	2.72E-07	1.24E-07	1.17E-07	5.60E-09	1.35E-07	2.98E-08	4.07E-08	6.46E-08	1.14E-08	7.72E-09	2.95E-07	1.53E-07	6.48E-08	7.63E-08	3.00E-08	1.53E-07	6.48E-08
3762	492363.09	3851877.25	4.60E-04	4.72E-04	4.45E-04	1.59E-07	4.81E-07	2.79E-07	2.85E-07	2.59E-07	1.18E-07	1.11E-07	5.32E-09	1.29E-07	2.84E-08	3.87E-08	6.15E-08	1.08E-08	7.34E-09	2.81E-07	1.45E-07	6.17E-08	7.25E-08	2.85E-08	1.45E-07	6.17E-08
3763	492863.09	3851877.25	4.15E-04	4.25E-04	4.01E-04	1.44E-07	4.33E-07	2.51E-07	2.57E-07	2.33E-07	1.06E-07	1.00E-07	4.79E-09	1.16E-07	2.56E-08	3.49E-08	5.54E-08	9.76E-09	6.61E-09	2.53E-07	1.31E-07	5.55E-08	6.53E-08	2.57E-08	1.31E-07	5.55E-08
3764	493363.09	3851877.25	4.37E-04	4.47E-04	4.22E-04	1.51E-07	4.57E-07	2.64E-07	2.71E-07	2.45E-07	1.12E-07	1.06E-07	5.05E-09	1.22E-07	2.69E-08	3.68E-08	5.83E-08	1.03E-08	6.97E-09	2.66E-07	1.38E-07	5.85E-08	6.88E-08	2.70E-08	1.38E-07	5.85E-08
3765	493863.09	3851877.25	4.58E-04	4.69E-04	4.42E-04	1.58E-07	4.78E-07	2.77E-07	2.84E-07	2.57E-07	1.17E-07	1.11E-07	5.29E-09	1.28E-07	2.82E-08	3.85E-08	6.11E-08	1.08E-08	7.30E-09	2.79E-07	1.44E-07	6.13E-08	7.21E-08	2.83E-08	1.44E-07	6.13E-08
3766	494363.09	3851877.25	4.38E-04	4.49E-04	4.23E-04	1.52E-07	4.58E-07	2.65E-07	2.72E-07	2.46E-07	1.12E-07	1.06E-07	5.07E-09	1.22E-07	2.70E-08	3.69E-08	5.85E-08	1.03E-08	6.99E-09	2.67E-07	1.38E-07	5.87E-08	6.91E-08	2.71E-08	1.38E-07	5.87E-08

3767	494863.09	3851877.25	4.44E-04	4.55E-04	4.29E-04	1.54E-07	4.64E-07	2.69E-07	2.75E-07	2.50E-07	1.14E-07	1.07E-07	5.14E-09	1.24E-07	2.74E-08	3.74E-08	5.93E-08	1.05E-08	7.09E-09	2.71E-07	1.40E-07	5.95E-08	7.00E-08	2.75E-08	1.40E-07	5.95E-08
3768	495363.09	3851877.25	4.44E-04	4.55E-04	4.29E-04	1.54E-07	4.64E-07	2.69E-07	2.75E-07	2.50E-07	1.14E-07	1.07E-07	5.14E-09	1.24E-07	2.74E-08	3.74E-08	5.93E-08	1.05E-08	7.09E-09	2.71E-07	1.40E-07	5.95E-08	7.00E-08	2.75E-08	1.40E-07	5.95E-08
3769	495863.09	3851877.25	4.38E-04	4.49E-04	4.23E-04	1.52E-07	4.58E-07	2.65E-07	2.72E-07	2.46E-07	1.12E-07	1.06E-07	5.07E-09	1.22E-07	2.70E-08	3.69E-08	5.85E-08	1.03E-08	6.99E-09	2.67E-07	1.38E-07	5.87E-08	6.91E-08	2.71E-08	1.38E-07	5.87E-08
3770	496363.09	3851877.25	4.28E-04	4.38E-04	4.13E-04	1.48E-07	4.47E-07	2.59E-07	2.65E-07	2.40E-07	1.10E-07	1.03E-07	4.95E-09	1.20E-07	2.64E-08	3.60E-08	5.71E-08	1.01E-08	6.83E-09	2.61E-07	1.35E-07	5.73E-08	6.74E-08	2.65E-08	1.35E-07	5.73E-08
3771	496863.09	3851877.25	4.16E-04	4.26E-04	4.02E-04	1.44E-07	4.35E-07	2.52E-07	2.58E-07	2.34E-07	1.07E-07	1.01E-07	4.81E-09	1.16E-07	2.56E-08	3.50E-08	5.56E-08	9.79E-09	6.64E-09	2.54E-07	1.31E-07	5.57E-08	6.56E-08	2.58E-08	1.31E-07	5.57E-08
3772	497363.09	3851877.25	4.04E-04	4.14E-04	3.91E-04	1.40E-07	4.23E-07	2.45E-07	2.51E-07	2.27E-07	1.04E-07	9.78E-08	4.67E-09	1.13E-07	2.49E-08	3.40E-08	5.40E-08	9.51E-09	6.45E-09	2.46E-07	1.28E-07	5.42E-08	6.37E-08	2.50E-08	1.28E-07	5.42E-08
3773	497863.09	3851877.25	3.85E-04	3.95E-04	3.72E-04	1.33E-07	4.03E-07	2.33E-07	2.39E-07	2.16E-07	9.87E-08	9.31E-08	4.45E-09	1.08E-07	2.37E-08	3.24E-08	5.14E-08	9.06E-09	6.14E-09	2.35E-07	1.22E-07	5.16E-08	6.07E-08	2.38E-08	1.22E-07	5.16E-08
3774	498363.09	3851877.25	3.69E-04	3.78E-04	3.56E-04	1.28E-07	3.86E-07	2.23E-07	2.29E-07	2.07E-07	9.46E-08	8.92E-08	4.27E-09	1.03E-07	2.27E-08	3.10E-08	4.92E-08	8.68E-09	5.88E-09	2.25E-07	1.16E-07	4.94E-08	5.81E-08	2.28E-08	1.16E-07	4.94E-08
3775	471363.09	3852377.25	2.45E-04	2.51E-04	2.37E-04	8.48E-08	2.56E-07	1.48E-07	1.52E-07	1.38E-07	6.28E-08	5.92E-08	2.83E-09	6.84E-08	1.51E-08	2.06E-08	3.27E-08	5.76E-09	3.91E-09	1.49E-07	7.73E-08	3.28E-08	3.86E-08	1.52E-08	7.73E-08	3.28E-08
3776	471863.09	3852377.25	2.66E-04	2.72E-04	2.57E-04	9.20E-08	2.78E-07	1.61E-07	1.65E-07	1.49E-07	6.81E-08	6.42E-08	3.07E-09	7.42E-08	1.64E-08	2.24E-08	3.55E-08	6.25E-09	4.24E-09	1.62E-07	8.38E-08	3.56E-08	4.19E-08	1.64E-08	8.38E-08	3.56E-08
3777	472363.09	3852377.25	2.82E-04	2.89E-04	2.72E-04	9.76E-08	2.95E-07	1.71E-07	1.75E-07	1.58E-07	7.23E-08	6.82E-08	3.26E-09	7.87E-08	1.74E-08	2.37E-08	3.76E-08	6.63E-09	4.50E-09	1.72E-07	8.90E-08	3.77E-08	4.44E-08	1.74E-08	8.90E-08	3.77E-08
3778	472863.09	3852377.25	2.97E-04	3.04E-04	2.87E-04	1.03E-07	3.10E-07	1.79E-07	1.84E-07	1.67E-07	7.60E-08	7.17E-08	3.43E-09	8.28E-08	1.83E-08	2.50E-08	3.96E-08	6.98E-09	4.73E-09	1.81E-07	9.36E-08	3.97E-08	4.67E-08	1.84E-08	9.36E-08	3.97E-08
3779	473363.09	3852377.25	3.08E-04	3.16E-04	2.98E-04	1.07E-07	3.22E-07	1.87E-07	1.91E-07	1.73E-07	7.91E-08	7.46E-08	3.57E-09	8.61E-08	1.90E-08	2.60E-08	4.12E-08	7.26E-09	4.92E-09	1.88E-07	9.74E-08	4.13E-08	4.86E-08	1.91E-08	9.74E-08	4.13E-08
3780	473863.09	3852377.25	3.14E-04	3.22E-04	3.04E-04	1.09E-07	3.29E-07	1.90E-07	1.95E-07	1.77E-07	8.06E-08	7.60E-08	3.63E-09	8.78E-08	1.94E-08	2.65E-08	4.20E-08	7.40E-09	5.01E-09	1.92E-07	9.92E-08	4.21E-08	4.95E-08	1.95E-08	9.92E-08	4.21E-08
3781	474363.09	3852377.25	3.22E-04	3.30E-04	3.11E-04	1.11E-07	3.36E-07	1.95E-07	1.99E-07	1.81E-07	8.25E-08	7.78E-08	3.72E-09	8.98E-08	1.98E-08	2.71E-08	4.29E-08	7.57E-09	5.13E-09	1.96E-07	1.02E-07	4.31E-08	5.07E-08	1.99E-08	1.02E-07	4.31E-08
3782	474863.09	3852377.25	3.81E-04	3.90E-04	3.68E-04	1.32E-07	3.98E-07	2.30E-07	2.36E-07	2.14E-07	9.76E-08	9.21E-08	4.40E-09	1.06E-07	2.35E-08	3.20E-08	5.08E-08	8.96E-09	6.07E-09	2.32E-07	1.20E-07	5.10E-08	6.00E-08	2.36E-08	1.20E-07	5.10E-08
3783	475363.09	3852377.25	3.96E-04	4.05E-04	3.82E-04	1.37E-07	4.13E-07	2.39E-07	2.45E-07	2.22E-07	1.01E-07	9.56E-08	4.57E-09	1.10E-07	2.44E-08	3.33E-08	5.28E-08	9.30E-09	6.31E-09	2.41E-07	1.25E-07	5.30E-08	6.23E-08	2.45E-08	1.25E-07	5.30E-08
3784	475863.09	3852377.25	4.12E-04	4.22E-04	3.98E-04	1.43E-07	4.30E-07	2.49E-07	2.55E-07	2.31E-07	1.06E-07	9.96E-08	4.76E-09	1.15E-07	2.54E-08	3.46E-08	5.50E-08	9.69E-09	6.57E-09	2.51E-07	1.30E-07	5.51E-08	6.49E-08	2.55E-08	1.30E-07	5.51E-08
3785	476363.09	3852377.25	4.25E-04	4.35E-04	4.11E-04	1.47E-07	4.44E-07	2.57E-07	2.63E-07	2.39E-07	1.09E-07	1.03E-07	4.91E-09	1.19E-07	2.62E-08	3.58E-08	5.67E-08	1.00E-08	6.78E-09	2.59E-07	1.34E-07	5.69E-08	6.70E-08	2.63E-08	1.34E-07	5.69E-08
3786	476863.09	3852377.25	4.63E-04	4.75E-04	4.48E-04	1.60E-07	4.84E-07	2.80E-07	2.87E-07	2.60E-07	1.19E-07	1.12E-07	5.36E-09	1.29E-07	2.86E-08	3.90E-08	6.19E-08	1.09E-08	7.39E-09	2.82E-07	1.46E-07	6.21E-08	7.30E-08	2.87E-08	1.46E-07	6.21E-08
3787	477363.09	3852377.25	4.86E-04	4.97E-04	4.69E-04	1.68E-07	5.08E-07	2.94E-07	3.01E-07	2.73E-07	1.24E-07	1.17E-07	5.61E-09	1.36E-07	2.99E-08	4.09E-08	6.48E-08	1.14E-08	7.74E-09	2.96E-07	1.53E-07	6.50E-08	7.65E-08	3.01E-08	1.53E-07	6.50E-08
3788	477863.09	3852377.25	4.58E-04	4.69E-04	4.42E-04	1.58E-07	4.78E-07	2.77E-07	2.84E-07	2.57E-07	1.17E-07	1.11E-07	5.29E-09	1.28E-07	2.82E-08	3.85E-08	6.11E-08	1.08E-08	7.30E-09	2.79E-07	1.44E-07	6.13E-08	7.21E-08	2.83E-08	1.44E-07	6.13E-08
3789	478363.09	3852377.25	4.52E-04	4.63E-04	4.36E-04	1.56E-07	4.72E-07	2.73E-07	2.80E-07	2.54E-07	1.16E-07	1.09E-07	5.22E-09	1.26E-07	2.78E-08	3.80E-08	6.03E-08	1.06E-08	7.20E-09	2.75E-07	1.43E-07	6.05E-08	7.11E-08	2.79E-08	1.43E-07	6.05E-08
3790	478863.09	3852377.25	5.53E-04	5.67E-04	5.35E-04	1.92E-07	5.78E-07	3.35E-07	3.43E-07	3.11E-07	1.42E-07	1.34E-07	6.40E-09	1.55E-07	3.41E-08	4.66E-08	7.39E-08	1.30E-08	8.83E-09	3.37E-07	1.75E-07	7.41E-08	8.72E-08	3.43E-08	1.75E-07	7.41E-08
3791	479363.09	3852377.25	6.42E-04	6.58E-04	6.20E-04	2.22E-07	6.71E-07	3.88E-07	3.98E-07	3.61E-07	1.65E-07	1.55E-07	7.42E-09	1.79E-07	3.96E-08	5.40E-08	8.57E-08	1.51E-08	1.02E-08	3.91E-07	2.03E-07	8.60E-08	1.01E-07	3.97E-08	2.03E-07	8.60E-08
3792	479863.09	3852377.25	8.47E-04	8.68E-04	8.18E-04	2.93E-07	8.85E-07	5.13E-07	5.25E-07	4.76E-07	2.17E-07	2.05E-07	9.79E-09	2.37E-07	5.22E-08	7.13E-08	1.13E-07	1.99E-08	1.35E-08	5.16E-07	2.67E-07	1.13E-07	1.33E-07	5.24E-08	2.67E-07	1.13E-07
3793	480363.09	3852377.25	1.10E-03	1.13E-03	1.06E-03	3.81E-07	1.15E-06	6.65E-07	6.81E-07	6.18E-07	2.82E-07	2.66E-07	1.27E-08	3.07E-07	6.77E-08	9.25E-08	1.47E-07	2.59E-08	1.75E-08	6.70E-07	3.47E-07	1.47E-07	1.73E-07	6.80E-08	3.47E-07	1.47E-07
3794	480863.09	3852377.25	1.43E-03	1.46E-03	1.38E-03	4.95E-07	1.49E-06	8.65E-07	8.86E-07	8.03E-07	3.67E-07	3.46E-07	1.65E-08	3.99E-07	8.81E-08	1.20E-07	1.91E-07	3.36E-08	2.28E-08	8.72E-07	4.51E-07	1.92E-07	2.25E-07	8.85E-08	4.51E-07	1.92E-07
3795	481363.09	3852377.25	2.33E-03	2.39E-03	2.25E-03	8.08E-07	2.44E-06	1.41E-06	1.45E-06	1.31E-06	5.98E-07	5.64E-07	2.70E-08	6.52E-07	1.44E-07	1.96E-07	3.11E-07	5.49E-08	3.72E-08	1.42E-06	7.36E-07	3.12E-07	3.68E-07	1.44E-07	7.36E-07	3.12E-07
3796	481863.09	3852377.25	1.33E-02	1.36E-02	1.28E-02	4.60E-06	1.39E-05	8.05E-06	8.24E-06	7.47E-06	3.41E-06	3.21E-06	1.54E-07	3.71E-06	8.19E-07	1.12E-06	1.77E-06	3.13E-07	2.12E-07	8.10E-06	4.20E-06	1.78E-06	2.09E-06	8.23E-07	4.20E-06	1.78E-06
3797	482363.09	3852377.25	7.41E-03	7.59E-03	7.16E-03	2.57E-06	7.75E-06	4.49E-06	4.60E-06	4.17E-06	1.90E-06	1.79E-06	8.57E-08	2.07E-06	4.57E-07	6.24E-07	9.90E-07	1.74E-07	1.18E-07	4.52E-06	2.34E-06	9.93E-07	1.17E-06	4.59E-07	2.34E-06	9.93E-07
3798	482863.09	3852377.25	3.14E-03	3.22E-03	3.03E-03	1.09E-06	3.28E-06	1.90E-06	1.95E-06	1.76E-06	8.05E-07	7.59E-07	3.63E-08	8.77E-07	1.93E-07	2.64E-07	4.19E-07	7.38E-08	5.01E-08	1.91E-06	9.91E-07	4.20E-07	4.95E-07	1.94E-07	9.91E-07	4.20E-07
3799	483363.09	3852377.25	1.93E-03	1.97E-03	1.86E-03	6.67E-07	2.01E-06	1.17E-06	1.19E-06	1.08E-06	4.94E-07	4.66E-07	2.23E-08	5.38E-07	1.19E-07	1.62E-07	2.57E-07	4.53E-08	3.07E-08	1.17E-06	6.08E-07	2.58E-07	3.03E-07	1.19E-07	6.08E-07	2.58E-07
3800	483863.09	3852377.25	1.48E-03	1.52E-03	1.43E-03	5.13E-07	1.55E-06	8.97E-07	9.19E-07	8.33E-07	3.80E-07	3.59E-07	1.71E-08	4.14E-07	9.14E-08	1.25E-07	1.98E-07	3.49E-08	2.37E-08	9.04E-07	4.68E-07	1.99E-07	2.34E-07	9.18E-08	4.68E-07	1.99E-07
3801	484363.09	3852377.25	1.36E-03	1.39E-03	1.31E-03	4.70E-07	1.42E-06	8.21E-07	8.41E-07	7.62E-07	3.48E-07	3.28E-07	1.57E-08	3.79E-07	8.36E-08	1.14E-07	1.81E-07	3.19E-08	2.16E-08	8.27E-07	4.28E-07	1.82E-07	2.14E-07	8.39E-08	4.28E-07	1.82E-07
3802	484863.09	3852377.25	1.24E-03	1.27E-03	1.20E-03	4.29E-07	1.30E-06	7.50E-07	7.68E-07	6.96E-07	3.18E-07	3.00E-07	1.43E-08	3.46E-07	7.64E-08	1.04E-07	1.65E-07	2.92E-08	1.98E-08	7.56E-07	3.91E-07	1.66E-07	1.95E-07	7.67E-08	3.91E-07	1.66E-07
3803	485363.09	3852377.25	1.14E-03	1.17E-03	1.10E-03	3.95E-07	1.19E-06	6.90E-07	7.07E-07	6.41E-07	2.92E-07	2.76E-07	1.32E-08	3.19E-07	7.03E-08	9.60E-08	1.52E-07	2.68E-08	1.82E-08	6.95E-07	3.60E-07	1.53E-07	1.80E-07	7.06E-08	3.60E-07	1.53E-07
3804	485863.09	3852377.25	1.01E-03	1.03E-03	9.75E-04	3.49E-07	1.06E-06	6.11E-07	6.26E-07	5.67E-07	2.59E-07	2.44E-07	1.17E-08	2.82E-07	6.22E-08	8.49E-08	1.35E-07	2.37E-08	1.61E-08	6.15E-07	3.19E-07	1.35E-07	1.59E-07	6.25E-08	3.19E-07	1.35E-07
3805	486363.09	3852377.25	8.83E-04	9.04E-04	8.53E-04	3.06E-07	9.22E-07	5.34E-07	5.47E-07	4.96E-07	2.26E-07	2.13E-07	1.02E-08	2.46E-07	5.44E-08	7.43E-08	1.18E-07	2.08E-08	1.41E-08	5.38E-07	2.79E-07	1.18E-07	1.39E-07	5.46E-08	2.79E-07	1.18E-07
3806	486863.09	3852377.25	8.13E-04	8.33E-04	7.86E-04	2.82E-07	8.50E-07	4.92E-07	5.04E-07	4.57E-07	2.08E-07	1.97E-07	9.40E-09	2.27E-07	5.01E-08	6.84E-08	1.09E-07	1.91E-08	1.30E-08	4.96E-07	2.57E-07	1.09E-07	1.28E-07	5.03E-08	2.57E-07	1.09E-07
3807	487363.09	3852377.25	7.42E-04	7.60E-04	7.17E-04	2.57E-07	7.76E-07	4.49E-07	4.60E-07	4.17E-07	1.90E-07	1.79E-07	8.58E-09	2.07E-07	4.57E-08	6.25E-08	9.91E-08	1.75E-08	1.18E-08	4.52E-07	2.34E-07	9.94E-08	1.17E-07	4.59E-08	2.34E-07	9.94E-08
3808	487863.09	3852377.25	6.80E-04	6.97E-04	6.57E-04	2.36E-07	7.11E-07	4.12E-07	4.22E-07	3.82E-07	1.74E-07	1.65E-07	7.86E-09	1.90E-07	4.19E-08	5.72E-08	9.08E-08	1.60E-08	1.09E-08	4.15E-07	2.15E-07	9.11E-08	1.07E-07	4.21E-08	2.15E-07	9.11E-08
3809	488363.09	3852377.25	6.29E-04	6.44E-04	6.07E-04	2.18E-07	6.57E-07	3.80E-07	3.90E-07	3.53E-07	1.61E-07	1.52E-07	7.27E-09	1.76E-07	3.87E-08	5.29E-08	8.39E-08	1.48E-08	1.00E-08	3.83E-07	1.98E-07	8.42E-08	9.90E-08	3.89E-08	1.98E-07	8.42E-08
3810	488863.09	3852377.25	5.79E-04	5.93E-04	5.59E-04	2.00E-07	6.05E-07	3.50E-07	3.59E-07	3.25E-07	1.48E-07	1.40E-07	6.69E-09	1.62E-07	3.56E-08	4.87E-08	7.72E-08	1.36E-08	9.23E-09	3.53E-07	1.83E-07	7.75E-08	9.11E-08	3.58E-08	1.83E-07	7.75E-08
3811	489363.09	3852377.25	5.42E-04	5.55E-04	5.23E-04	1.87E-07	5.66E-07	3.28E-07	3.36E-07	3.04E-07	1.39E-07	1.31E-07	6.26E-09	1.51E-07	3.34E-08	4.56E-08	7.23E-08	1.27E-08	8.64E-09	3.30E-07	1.71E-07	7.25E-08	8.53E-08	3.35E-08	1.71E-07	7.25E-08
3812	489863.09	3852377.25	5.00E-04	5.12E-04	4.83E-04	1.73E-07	5.23E-07	3.03E-07	3.10E-07	2.81E-07	1.28E-07	1.21E-07	5.78E-09	1.40E-07	3.08E-08	4.21E-08	6.68E-08	1.18E-08	7.98E-09	3.05E-07	1.58E-07	6.70E-08	7.88E-08	3.10E-08	1.58E-07	6.70E-08
3813	490363.09	3852377.25	5.05E-04	5.17E-04	4.88E-04	1.75E-07	5.28E-07	3.05E-07	3.13E-07	2.84E-07	1.29E-07	1.22E-07	5.83E-09	1.41E-07	3.11E-08	4.25E-08	6.74E-08	1.19E-08	8.05E-09	3.08E-07	1.59E-07	6.76E-08	7.95E-08	3.12E-08	1.59E-07	6.76E-08
3814	490863.09	3852377.25	5.02E-04	5.14E-04	4.85E-04	1.74E-07	5.24E-07	3.04E-07	3.11E-07	2.82E-07	1.29E-07	1.21E-07	5.80E-09	1.40E-07	3.09E-08	4.22E-08	6.70E-08	1.18E-08	8.00E-09	3.06E-07	1.58E-07	6.72E-08	7.91E-08	3.11E-08	1.58E-07	6.72E-08
3815	491363.09	3852377.25	5.20E-04	5.32E-04	5.02E-04	1.80E-07	5.43E-07	3.14E-07	3.22E-07	2.92E-07	1.33E-07	1.26E-07	6.01E-09	1.45E-07	3.20E-08	4.37E-08	6.93E-08	1.22E-08	8.29E-09	3.17E-07	1.64E-07	6.96E-08	8.18E-08	3.22E-08	1.64E-07	6.96E-08
3816	491863.09	3852377.25	5.08E-04	5.20E-04	4.90E-04	1.76E-07	5.31E-07	3.07E-07	3.15E-07	2.85E-07	1.30E-07	1.23E-07	5.87E-09	1.42E-07	3.13E-08	4.27E-08	6.78E-08	1.19E-08	8.10E-09	3.09E-07	1.60E-07	6.80E-08	8.00E-08	3.14E-08	1.60E-07	6.80E-08
3817	492363.09	3852377.25	4.94E-04	5.06E-04	4.78E-04	1.71E-07	5.17E-07	2.99E-07	3.06E-07	2.78E-07	1.27E-07	1.20E-07	5.72E-09	1.38E-07	3.05E-08	4.16E-08	6.60E-08	1.16E-08	7.89E-09	3.01E-07	1.56E-07	6.62E-08	7.79E-08	3.06E-08	1.56E-07	6.62E-08
3818	492863.09	3852377.25	4.91E-04	5.03E-04	4.75E-04	1.70E-07	5.14E-07	2.97E-07	3.05E-07	2.76E-07	1.26E-07	1.19E-07	5.68E-09	1.37E-07	3.03E-08	4.14E-08	6.56E-08	1.16E-08	7.84E-09	3.00E-07	1.55E-07	6.58E-08	7.74E-08	3.04E-08	1.55E-07	6.58E-08
3819	493363.09	3852377.25	4.99E-04	5.11E-04	4.82E-04	1.73E-07	5.21E-07	3.02E-07	3.09E-07	2.80E-07	1.28E-07	1.21E-07	5.77E-09	1.39E-07	3.07E-08	4.20E-08	6.66E-08	1.17E-08	7.96E-09	3.04E-07	1.57E-07	6.68E-08	7.86E-08	3.09E-08	1.57E-07	6.68E-08
3820	493863.09	3852377.25	4.84E-04	4.96E-04	4.68E-04	1.68E-07	5.06E-07	2.93E-07	3.00E-07	2.72E-07	1.24E-07	1.17E-07	5.60E-09	1.35E-07	2.98E-08	4.07E-08	6.46E-08	1.14E-08	7.72E-09	2.95E-07	1.53E-07	6.48E-08	7.63E-08	3.00E-08	1.53E-07	6.48E-08
3821	494363.09	3852377.25	4.71E-04	4.82E-04	4.55E-04	1.63E-07	4.92E-07	2.85E-07	2.92E-07	2.64E-07	1.21E-07	1.14E-07	5.44E-09	1.31E-07	2.90E-08	3.96E-08	6.28E-08	1.11E-08	7.51E-09	2.87E-07	1.49E-07	6.30E-08	7.42E-08	2.91E-08	1.49E-07	6.30E-08
3822	494863.09	3852377.25	4.71E-04	4.82E-04	4.55E-04	1.63E-07	4.92E-07	2.85E-07	2.92E-07	2.64E-07	1.21E-07	1.14E-07	5.44E-09	1.31E-07	2.90E-08	3.96E-08	6.28E-08	1.11E-08	7.51E-09	2.87E-07	1.49E-07	6.30E-08	7.42E-08	2.91E-08	1.49E-07	6.30E-08
3823	495363.09	3852377.25	4.69E-04	4.81E-04	4.53E-04	1.62E-07	4.91E-07	2.84E-07	2.91E-07	2.64E-07	1.20E-07	1.13E-07	5.43E-09	1.31E-07	2.89E-08	3.95E-08	6.26E-08	1.10E-08	7.49E-09	2.86E-07	1.48E-07	6.28E-08	7.39E-08	2.90E-08	1.48E-07	6.28E-08
3824	495863.09	3852377.25	4.55E-04	4.66E-04	4.39E-04	1.57E-07	4.75E-07	2.75E-07	2.82E-07	2.55E-07	1.17E-07	1.10E-07	5.25E-09	1.27E-07	2.80E-08	3.82E-08	6.07E-08	1.07E-08	7.25E-09	2.77E-07	1.43E-07	6.09E-08	7.16E-08	2.81E-08	1.43E-07	6.09E-08
3825	496363.09	3852377.25	4.38E-04	4.49E-04	4.23E-04	1.52E-07	4.58E-07	2.65E-07	2.72E-07	2.46E-07	1.12E-07	1.06E-07	5.07E-09	1.22E-07	2.70E-08	3.69E-08	5.85E-08	1.03E-08	6.99E-09	2.67E-07	1.38E-07	5.87E-08	6.91E-08	2.71E-08	1.38E-07	5.87E-08
3826	496863.09	3852377.25	4.27E-04	4.37E-04	4.12E-04	1.48E-07	4.46E-07	2.58E-07	2.64E-07	2.40E-07	1.09E-07	1.03E-07	4.93E-09	1.19E-07	2.63E-08	3.59E-08	5.69E-08	1.00E-08	6.80E-09	2.60E-07	1.35E-07	5.71E-08	6.72E-08	2.64E-08	1.35E-07	5.71E-08
3827	497363.09	3852377.25	4.06E-04	4.16E-04	3.92E-04	1.40E-07	4.24E-07	2.46E-07	2.52E-07	2.28E-07	1.04E-07	9.81E-08	4.69E-09	1.13E-07	2.50E-08	3.41E-08	5.42E-08	9.55E-09	6.47E-09	2.47E-07	1.28E-07	5.44E-08	6.39E-08	2.51E-08	1.28E-07	5.44E-08
3828	497863.09	3852377.25	3.82E-04	3.92E-04	3.69E-04	1.32E-07	4.00E-07	2.31E-07	2.37E-07	2.15E-07	9.80E-08	9.24E-08	4.42E-09	1.07E-07	2.36E-08	3.22E-08	5.10E-08	8.99E-09	6.10E-09	2.33E-07	1.21E-07	5.12E-08	6.02E-08	2.37E-08	1.21E-07	5.12E-08
3829	498363.09	3852377.25	3.63E-04	3.72E-04	3.51E-04	1.26E-07	3.79E-07	2.20E-07	2.25E-07	2.04E-07	9.31E-08	8.78E-08	4.20E-09	1.01E-07	2.24E-08	3.05E-08	4.85E-08	8.54E-09	5.79E-09	2.21E-07	1.15E-07	4.86E-08	5.72E-08	2.25E-08	1.15E-07	4.86E-08
3830	471363.09	3852877.25	2.38E-04	2.43E-04	2.30E-04	8.23E-08	2.48E-07	1.44E-07	1.47E-07	1.33E-07	6.09E-08	5.75E-08	2.75E-09	6.63E-08	1.46E-08	2.00E-08	3.17E-08	5.59E-09	3.79E-09	1.45E-07	7.50E-08	3.18E-08	3.74E-08	1.47E-08	7.50E-08	3.18E-08
3831	471863.09	3852877.25	2.52E-04	2.58E-04	2.44E-04	8.74E-08	2.64E-07	1.53E-07	1.56E-07	1.42E-07	6.47E-08	6.10E-08	2.92E-09	7.05E-08	1.55E-08	2.12E-08	3.37E-08	5.94E-09	4.03E-09	1.54E-07	7.97E-08	3.38E-08	3.98E-08	1.56E-08	7.97E-08	3.38E-08
3832	472363.09	3852877.25	2.66E-04	2.72E-04	2.57E-04	9.20E-08	2.78E-07	1.61E-07	1.65E-07	1.49E-07	6.81E-08	6.42E-08	3.07E-09	7.42E-08	1.64E-08	2.24E-08	3.55E-08	6.25E-09	4.24E-09	1.62E-07	8.38E-08	3.56E-08	4.19E-08	1.64E-08	8.38E-08	3.56E-08
3833	472863.09	3852877.25	2.77E-04	2.84E-04	2.68E-04	9.60E-08	2.90E-07	1.68E-07	1.72E-07	1.56E-07	7.11E-08	6.71E-08	3.21E-09	7.75E-08	1.71E-08	2.33E-08	3.70E-08	6.53E-09	4.43E-09	1.69E-07	8.76E-08	3.72E-08	4.37E-08	1.72E-08	8.76E-08	3.72E-08
3834	473363.09	3852877.25	2.92E-04	2.99E-04	2.82E-04	1.01E-07	3.05E-07	1.77E-07	1.81E-07	1.64E-07	7.49E-08	7.07E-08	3.38E-09	8.16E-08	1.80E-08	2.46E-08	3.90E-08	6.87E-09	4.66E-09	1.78E-07	9.22E-08	3.91E-08	4.60E-08	1.81E-08	9.22E-08	3.91E-08
3835	473863.09	3852877.25	3.10E-04	3.17E-04	2.99E-04	1.07E-07	3.24E-07	1.88E-07	1.92E-07	1.74E-07	7.94E-08	7.49E-08	3.58E-09	8.65E-08	1.91E-08	2.61E-08	4.14E-08	7.29E-09	4.94E-09	1.89E-07	9.78E-08	4.15E-08	4.88E-08	1.92E-08	9.78E-08	4.15E-08
3836	474363.09	3852877.25	3.29E-04	3.37E-04	3.18E-04	1.14E-07	3.44E-07	1.99E-07	2.04E-07	1.85E-07	8.44E-08	7.96E-08	3.80E-09	9.19E-08	2.03E-08	2.77E-08	4.39E-08	7.74E-09	5.25E-09	2.01E-07	1.04E-07	4.41E-08	5.18E-08	2.04E-08	1.04E-07	4.41E-08
3837	474863.09	3852877.25	3.23E-04	3.31E-04	3.12E-04	1.12E-07	3.38E-07	1.96E-07	2.00E-07	1.82E-07	8.29E-08	7.82E-08	3.74E-09	9.02E-08	1.99E-08	2.72E-08	4.31E-08	7.60E-09	5.15E-09	1.97E-07	1.02E-07	4.33E-08	5.09E-08	2.00E-08	1.02E-07	4.33E-08
3838	475363.09	3852877.25	3.47E-04	3.55E-04	3.35E-04	1.20E-07	3.63E-07	2.10E-07	2.15E-07	1.95E-07	8.89E-08	8.39E-08	4.01E-09	9.68E-08	2.14E-08	2.92E-08	4.63E-08	8.16E-09	5.53E-09	2.11E-07	1.09E-07	4.64E-08	5.46E-08	2.15E-08	1.09E-07	4.64E-08
3839	475863.09	3852877.25	3.59E-04	3.67E-04	3.46E-04	1.24E-07	3.75E-07	2.17E-07	2.22E-07	2.01E-07	9.19E-08	8.67E-08	4.15E-09	1.00E-07	2.21E-08	3.02E-08	4.79E-08	8.44E-09	5.72E-09	2.19E-07	1.13E-07	4.80E-08	5.65E-08	2.22E-08	1.13E-07	4.80E-08
3840	476363.09	3852877.25	3.59E-04	3.67E-04	3.46E-04	1.24E-07	3.75E-07	2.17E-07	2.22E-07	2.01E-07	9.19E-08	8.67E-08	4.15E-09	1.00E-07	2.21E-08	3.02E-08	4.79E-08	8.44E-09	5.72E-09	2.19E-07	1.13E-07	4.80E-08	5.65E-08	2.22E-08	1.13E-07	4.80E-08
3841	476863.09	3852877.25	3.50E-04	3.58E-04	3.38E-04	1.21E-07	3.66E-07	2.12E-07	2.17E-07	1.97E-07	8.97E-08	8.46E-08	4.04E-09	9.77E-08	2.16E-08	2.94E-08	4.67E-08	8.23E-09	5.58E-09	2.13E-07	1.10E-07	4.68E-08	5.51E-08	2.16E-08	1.10E-07	4.68E-08
3842	477363.09	3852877.25	3.48E-04	3.57E-04	3.36E-04	1.21E-07	3.64E-07	2.11E-07	2.16E-07	1.96E-07	8.93E-08	8.42E-08	4.03E-09	9.73E-08	2.15E-08	2.93E-08	4.65E-08	8.19E-09	5.56E-09	2.12E-07	1.10E-07	4.66E-08	5.49E-08	2.16E-08	1.10E-07	4.66E-08
3843	477863.09	3852877.25	3.41E-04	3.49E-04	3.29E-04	1.18E-07	3.56E-07	2.06E-07	2.11E-07	1.92E-07	8.74E-08	8.24E-08	3.94E-09	9.52E-08	2.10E-08	2.87E-08	4.55E-08	8.02E-09	5.44E-09	2.08E-07	1.08E-07	4.57E-08	5.37E-08	2.11E-08	1.08E-07	4.57E-08

3844	478363.09	3852877.25	3.20E-04	3.28E-04	3.09E-04	1.11E-07	3.35E-07	1.94E-07	1.98E-07	1.80E-07	8.21E-08	7.74E-08	3.70E-09	8.94E-08	1.97E-08	2.69E-08	4.27E-08	7.53E-09	5.11E-09	1.95E-07	1.01E-07	4.29E-08	5.05E-08	1.98E-08	1.01E-07	4.29E-08
3845	478863.09	3852877.25	3.59E-04	3.67E-04	3.46E-04	1.24E-07	3.75E-07	2.17E-07	2.22E-07	2.01E-07	9.19E-08	8.67E-08	4.15E-09	1.00E-07	2.21E-08	3.02E-08	4.79E-08	8.44E-09	5.72E-09	2.19E-07	1.13E-07	4.80E-08	5.65E-08	2.22E-08	1.13E-07	4.80E-08
3846	479363.09	3852877.25	4.35E-04	4.46E-04	4.21E-04	1.51E-07	4.55E-07	2.63E-07	2.70E-07	2.45E-07	1.12E-07	1.05E-07	5.03E-09	1.22E-07	2.68E-08	3.66E-08	5.81E-08	1.02E-08	6.94E-09	2.65E-07	1.37E-07	5.83E-08	6.86E-08	2.69E-08	1.37E-07	5.83E-08
3847	479863.09	3852877.25	5.98E-04	6.12E-04	5.77E-04	2.07E-07	6.25E-07	3.62E-07	3.70E-07	3.36E-07	1.53E-07	1.45E-07	6.91E-09	1.67E-07	3.68E-08	5.03E-08	7.98E-08	1.41E-08	9.53E-09	3.64E-07	1.89E-07	8.00E-08	9.42E-08	3.70E-08	1.89E-07	8.00E-08
3848	480363.09	3852877.25	8.26E-04	8.47E-04	7.98E-04	2.86E-07	8.64E-07	5.00E-07	5.12E-07	4.64E-07	2.12E-07	2.00E-07	9.55E-09	2.31E-07	5.09E-08	6.95E-08	1.10E-07	1.94E-08	1.32E-08	5.04E-07	2.61E-07	1.11E-07	1.30E-07	5.12E-08	2.61E-07	1.11E-07
3849	480863.09	3852877.25	1.03E-03	1.05E-03	9.92E-04	3.56E-07	1.07E-06	6.22E-07	6.37E-07	5.77E-07	2.63E-07	2.48E-07	1.19E-08	2.87E-07	6.33E-08	8.64E-08	1.37E-07	2.42E-08	1.64E-08	6.26E-07	3.24E-07	1.38E-07	1.62E-07	6.36E-08	3.24E-07	1.38E-07
3850	481363.09	3852877.25	1.39E-03	1.43E-03	1.35E-03	4.82E-07	1.46E-06	8.43E-07	8.63E-07	7.83E-07	3.57E-07	3.37E-07	1.61E-08	3.89E-07	8.58E-08	1.17E-07	1.86E-07	3.28E-08	2.22E-08	8.49E-07	4.40E-07	1.87E-07	2.19E-07	8.62E-08	4.40E-07	1.87E-07
3851	481863.09	3852877.25	2.34E-03	2.39E-03	2.26E-03	8.09E-07	2.44E-06	1.41E-06	1.45E-06	1.31E-06	5.99E-07	5.65E-07	2.70E-08	6.53E-07	1.44E-07	1.97E-07	3.12E-07	5.50E-08	3.73E-08	1.42E-06	7.38E-07	3.13E-07	3.68E-07	1.45E-07	7.38E-07	3.13E-07
3852	482363.09	3852877.25	1.60E-02	1.64E-02	1.55E-02	5.55E-06	1.67E-05	9.70E-06	9.93E-06	9.00E-06	4.11E-06	3.87E-06	1.85E-07	4.47E-06	9.87E-07	1.35E-06	2.14E-06	3.77E-07	2.56E-07	9.77E-06	5.06E-06	2.15E-06	2.52E-06	9.92E-07	5.06E-06	2.15E-06
3853	482863.09	3852877.25	6.88E-03	7.04E-03	6.64E-03	2.38E-06	7.19E-06	4.16E-06	4.26E-06	3.86E-06	1.76E-06	1.66E-06	7.95E-08	1.92E-06	4.24E-07	5.79E-07	9.18E-07	1.62E-07	1.10E-07	4.19E-06	2.17E-06	9.21E-07	1.08E-06	4.26E-07	2.17E-06	9.21E-07
3854	483363.09	3852877.25	2.88E-03	2.95E-03	2.78E-03	9.96E-07	3.01E-06	1.74E-06	1.78E-06	1.62E-06	7.37E-07	6.96E-07	3.33E-08	8.03E-07	1.77E-07	2.42E-07	3.84E-07	6.77E-08	4.59E-08	1.75E-06	9.08E-07	3.85E-07	4.53E-07	1.78E-07	9.08E-07	3.85E-07
3855	483863.09	3852877.25	1.66E-03	1.70E-03	1.61E-03	5.75E-07	1.74E-06	1.01E-06	1.03E-06	9.34E-07	4.26E-07	4.02E-07	1.92E-08	4.64E-07	1.02E-07	1.40E-07	2.22E-07	3.91E-08	2.65E-08	1.01E-06	5.25E-07	2.23E-07	2.62E-07	1.03E-07	5.25E-07	2.23E-07
3856	484363.09	3852877.25	1.49E-03	1.52E-03	1.44E-03	5.15E-07	1.55E-06	9.00E-07	9.22E-07	8.36E-07	3.81E-07	3.60E-07	1.72E-08	4.15E-07	9.17E-08	1.25E-07	1.99E-07	3.50E-08	2.37E-08	9.07E-07	4.70E-07	1.99E-07	2.34E-07	9.21E-08	4.70E-07	1.99E-07
3857	484863.09	3852877.25	1.34E-03	1.37E-03	1.29E-03	4.62E-07	1.40E-06	8.08E-07	8.28E-07	7.50E-07	3.42E-07	3.23E-07	1.54E-08	3.73E-07	8.23E-08	1.12E-07	1.78E-07	3.14E-08	2.13E-08	8.14E-07	4.22E-07	1.79E-07	2.10E-07	8.27E-08	4.22E-07	1.79E-07
3858	485363.09	3852877.25	1.05E-03	1.08E-03	1.02E-03	3.65E-07	1.10E-06	6.38E-07	6.53E-07	5.92E-07	2.70E-07	2.55E-07	1.22E-08	2.94E-07	6.49E-08	8.87E-08	1.41E-07	2.48E-08	1.68E-08	6.42E-07	3.33E-07	1.41E-07	1.66E-07	6.52E-08	3.33E-07	1.41E-07
3859	485863.09	3852877.25	9.22E-04	9.45E-04	8.91E-04	3.19E-07	9.64E-07	5.58E-07	5.72E-07	5.18E-07	2.36E-07	2.23E-07	1.07E-08	2.58E-07	5.68E-08	7.76E-08	1.23E-07	2.17E-08	1.47E-08	5.62E-07	2.91E-07	1.24E-07	1.45E-07	5.71E-08	2.91E-07	1.24E-07
3860	486363.09	3852877.25	8.19E-04	8.39E-04	7.91E-04	2.84E-07	8.56E-07	4.96E-07	5.08E-07	4.60E-07	2.10E-07	1.98E-07	9.47E-09	2.29E-07	5.05E-08	6.89E-08	1.09E-07	1.93E-08	1.31E-08	4.99E-07	2.59E-07	1.10E-07	1.29E-07	5.07E-08	2.59E-07	1.10E-07
3861	486863.09	3852877.25	7.59E-04	7.77E-04	7.33E-04	2.63E-07	7.93E-07	4.59E-07	4.70E-07	4.26E-07	1.94E-07	1.83E-07	8.77E-09	2.12E-07	4.67E-08	6.38E-08	1.01E-07	1.78E-08	1.21E-08	4.62E-07	2.39E-07	1.02E-07	1.20E-07	4.69E-08	2.39E-07	1.02E-07
3862	487363.09	3852877.25	6.92E-04	7.09E-04	6.69E-04	2.40E-07	7.23E-07	4.19E-07	4.29E-07	3.89E-07	1.77E-07	1.67E-07	8.00E-09	1.93E-07	4.26E-08	5.82E-08	9.24E-08	1.63E-08	1.10E-08	4.22E-07	2.18E-07	9.27E-08	1.09E-07	4.28E-08	2.18E-07	9.27E-08
3863	487863.09	3852877.25	6.43E-04	6.59E-04	6.22E-04	2.23E-07	6.73E-07	3.89E-07	3.99E-07	3.61E-07	1.65E-07	1.56E-07	7.44E-09	1.80E-07	3.96E-08	5.41E-08	8.59E-08	1.51E-08	1.03E-08	3.92E-07	2.03E-07	8.62E-08	1.01E-07	3.98E-08	2.03E-07	8.62E-08
3864	488363.09	3852877.25	5.39E-04	5.52E-04	5.20E-04	1.86E-07	5.63E-07	3.26E-07	3.34E-07	3.03E-07	1.38E-07	1.30E-07	6.23E-09	1.50E-07	3.32E-08	4.53E-08	7.19E-08	1.27E-08	8.59E-09	3.28E-07	1.70E-07	7.21E-08	8.49E-08	3.33E-08	1.70E-07	7.21E-08
3865	488863.09	3852877.25	5.36E-04	5.49E-04	5.18E-04	1.85E-07	5.60E-07	3.24E-07	3.32E-07	3.01E-07	1.37E-07	1.30E-07	6.19E-09	1.50E-07	3.30E-08	4.51E-08	7.15E-08	1.26E-08	8.54E-09	3.27E-07	1.69E-07	7.17E-08	8.44E-08	3.32E-08	1.69E-07	7.17E-08
3866	489363.09	3852877.25	5.21E-04	5.34E-04	5.03E-04	1.80E-07	5.45E-07	3.15E-07	3.23E-07	2.93E-07	1.34E-07	1.26E-07	6.02E-09	1.45E-07	3.21E-08	4.38E-08	6.95E-08	1.23E-08	8.31E-09	3.18E-07	1.64E-07	6.98E-08	8.21E-08	3.22E-08	1.64E-07	6.98E-08
3867	489863.09	3852877.25	5.06E-04	5.18E-04	4.89E-04	1.75E-07	5.29E-07	3.06E-07	3.14E-07	2.84E-07	1.30E-07	1.22E-07	5.85E-09	1.41E-07	3.12E-08	4.26E-08	6.76E-08	1.19E-08	8.07E-09	3.09E-07	1.60E-07	6.78E-08	7.97E-08	3.13E-08	1.60E-07	6.78E-08
3868	490363.09	3852877.25	5.45E-04	5.58E-04	5.26E-04	1.89E-07	5.69E-07	3.30E-07	3.38E-07	3.06E-07	1.40E-07	1.32E-07	6.30E-09	1.52E-07	3.36E-08	4.58E-08	7.27E-08	1.28E-08	8.69E-09	3.32E-07	1.72E-07	7.29E-08	8.58E-08	3.37E-08	1.72E-07	7.29E-08
3869	490863.09	3852877.25	5.46E-04	5.59E-04	5.28E-04	1.89E-07	5.71E-07	3.30E-07	3.38E-07	3.07E-07	1.40E-07	1.32E-07	6.31E-09	1.52E-07	3.36E-08	4.59E-08	7.29E-08	1.28E-08	8.71E-09	3.33E-07	1.72E-07	7.31E-08	8.60E-08	3.38E-08	1.72E-07	7.31E-08
3870	491363.09	3852877.25	5.46E-04	5.59E-04	5.28E-04	1.89E-07	5.71E-07	3.30E-07	3.38E-07	3.07E-07	1.40E-07	1.32E-07	6.31E-09	1.52E-07	3.36E-08	4.59E-08	7.29E-08	1.28E-08	8.71E-09	3.33E-07	1.72E-07	7.31E-08	8.60E-08	3.38E-08	1.72E-07	7.31E-08
3871	491863.09	3852877.25	5.37E-04	5.50E-04	5.19E-04	1.86E-07	5.62E-07	3.25E-07	3.33E-07	3.02E-07	1.38E-07	1.30E-07	6.21E-09	1.50E-07	3.31E-08	4.52E-08	7.17E-08	1.26E-08	8.57E-09	3.27E-07	1.70E-07	7.19E-08	8.46E-08	3.32E-08	1.70E-07	7.19E-08
3872	492363.09	3852877.25	5.30E-04	5.43E-04	5.12E-04	1.83E-07	5.54E-07	3.21E-07	3.28E-07	2.98E-07	1.36E-07	1.28E-07	6.12E-09	1.48E-07	3.26E-08	4.46E-08	7.07E-08	1.25E-08	8.45E-09	3.23E-07	1.67E-07	7.10E-08	8.35E-08	3.28E-08	1.67E-07	7.10E-08
3873	492863.09	3852877.25	5.31E-04	5.44E-04	5.13E-04	1.84E-07	5.55E-07	3.21E-07	3.29E-07	2.98E-07	1.36E-07	1.28E-07	6.14E-09	1.48E-07	3.27E-08	4.47E-08	7.09E-08	1.25E-08	8.47E-09	3.24E-07	1.68E-07	7.11E-08	8.37E-08	3.29E-08	1.68E-07	7.11E-08
3874	493363.09	3852877.25	5.28E-04	5.41E-04	5.10E-04	1.83E-07	5.52E-07	3.20E-07	3.27E-07	2.97E-07	1.35E-07	1.28E-07	6.11E-09	1.48E-07	3.26E-08	4.45E-08	7.05E-08	1.24E-08	8.43E-09	3.22E-07	1.67E-07	7.08E-08	8.32E-08	3.27E-08	1.67E-07	7.08E-08
3875	493863.09	3852877.25	5.14E-04	5.26E-04	4.96E-04	1.78E-07	5.37E-07	3.11E-07	3.18E-07	2.89E-07	1.32E-07	1.24E-07	5.94E-09	1.43E-07	3.16E-08	4.32E-08	6.86E-08	1.21E-08	8.19E-09	3.13E-07	1.62E-07	6.88E-08	8.09E-08	3.18E-08	1.62E-07	6.88E-08
3876	494363.09	3852877.25	5.02E-04	5.14E-04	4.85E-04	1.74E-07	5.24E-07	3.04E-07	3.11E-07	2.82E-07	1.29E-07	1.21E-07	5.80E-09	1.40E-07	3.09E-08	4.22E-08	6.70E-08	1.18E-08	8.00E-09	3.06E-07	1.58E-07	6.72E-08	7.91E-08	3.11E-08	1.58E-07	6.72E-08
3877	494863.09	3852877.25	4.94E-04	5.06E-04	4.78E-04	1.71E-07	5.17E-07	2.99E-07	3.06E-07	2.78E-07	1.27E-07	1.20E-07	5.72E-09	1.38E-07	3.05E-08	4.16E-08	6.60E-08	1.16E-08	7.89E-09	3.01E-07	1.56E-07	6.62E-08	7.79E-08	3.06E-08	1.56E-07	6.62E-08
3878	495363.09	3852877.25	4.75E-04	4.87E-04	4.59E-04	1.65E-07	4.97E-07	2.88E-07	2.95E-07	2.67E-07	1.22E-07	1.15E-07	5.49E-09	1.33E-07	2.93E-08	4.00E-08	6.34E-08	1.12E-08	7.58E-09	2.90E-07	1.50E-07	6.36E-08	7.49E-08	2.94E-08	1.50E-07	6.36E-08
3879	495863.09	3852877.25	4.58E-04	4.69E-04	4.42E-04	1.58E-07	4.78E-07	2.77E-07	2.84E-07	2.57E-07	1.17E-07	1.11E-07	5.29E-09	1.28E-07	2.82E-08	3.85E-08	6.11E-08	1.08E-08	7.30E-09	2.79E-07	1.44E-07	6.13E-08	7.21E-08	2.83E-08	1.44E-07	6.13E-08
3880	496363.09	3852877.25	4.49E-04	4.60E-04	4.33E-04	1.55E-07	4.69E-07	2.71E-07	2.78E-07	2.52E-07	1.15E-07	1.08E-07	5.19E-09	1.25E-07	2.76E-08	3.78E-08	5.99E-08	1.06E-08	7.16E-09	2.73E-07	1.42E-07	6.01E-08	7.07E-08	2.78E-08	1.42E-07	6.01E-08
3881	496863.09	3852877.25	4.34E-04	4.44E-04	4.19E-04	1.50E-07	4.54E-07	2.63E-07	2.69E-07	2.44E-07	1.11E-07	1.05E-07	5.02E-09	1.21E-07	2.67E-08	3.65E-08	5.79E-08	1.02E-08	6.92E-09	2.64E-07	1.37E-07	5.81E-08	6.84E-08	2.69E-08	1.37E-07	5.81E-08
3882	497363.09	3852877.25	4.04E-04	4.14E-04	3.91E-04	1.40E-07	4.23E-07	2.45E-07	2.51E-07	2.27E-07	1.04E-07	9.78E-08	4.67E-09	1.13E-07	2.49E-08	3.40E-08	5.40E-08	9.51E-09	6.45E-09	2.46E-07	1.28E-07	5.42E-08	6.37E-08	2.50E-08	1.28E-07	5.42E-08
3883	497863.09	3852877.25	3.59E-04	3.67E-04	3.46E-04	1.24E-07	3.75E-07	2.17E-07	2.22E-07	2.01E-07	9.19E-08	8.67E-08	4.15E-09	1.00E-07	2.21E-08	3.02E-08	4.79E-08	8.44E-09	5.72E-09	2.19E-07	1.13E-07	4.80E-08	5.65E-08	2.22E-08	1.13E-07	4.80E-08
3884	498363.09	3852877.25	3.48E-04	3.57E-04	3.36E-04	1.21E-07	3.64E-07	2.11E-07	2.16E-07	1.96E-07	8.93E-08	8.42E-08	4.03E-09	9.73E-08	2.15E-08	2.93E-08	4.65E-08	8.19E-09	5.56E-09	2.12E-07	1.10E-07	4.66E-08	5.49E-08	2.16E-08	1.10E-07	4.66E-08
3885	471363.09	3853377.25	2.30E-04	2.36E-04	2.22E-04	7.97E-08	2.41E-07	1.39E-07	1.43E-07	1.29E-07	5.90E-08	5.57E-08	2.66E-09	6.43E-08	1.42E-08	1.94E-08	3.07E-08	5.42E-09	3.67E-09	1.40E-07	7.27E-08	3.08E-08	3.63E-08	1.42E-08	7.27E-08	3.08E-08
3886	471863.09	3853377.25	2.41E-04	2.46E-04	2.32E-04	8.33E-08	2.51E-07	1.46E-07	1.49E-07	1.35E-07	6.17E-08	5.82E-08	2.78E-09	6.72E-08	1.48E-08	2.02E-08	3.21E-08	5.66E-09	3.84E-09	1.47E-07	7.59E-08	3.22E-08	3.79E-08	1.49E-08	7.59E-08	3.22E-08
3887	472363.09	3853377.25	2.51E-04	2.57E-04	2.42E-04	8.69E-08	2.62E-07	1.52E-07	1.55E-07	1.41E-07	6.43E-08	6.07E-08	2.90E-09	7.01E-08	1.55E-08	2.11E-08	3.35E-08	5.90E-09	4.00E-09	1.53E-07	7.92E-08	3.36E-08	3.95E-08	1.55E-08	7.92E-08	3.36E-08
3888	472863.09	3853377.25	2.63E-04	2.69E-04	2.54E-04	9.09E-08	2.75E-07	1.59E-07	1.63E-07	1.48E-07	6.73E-08	6.35E-08	3.04E-09	7.34E-08	1.62E-08	2.21E-08	3.51E-08	6.18E-09	4.19E-09	1.60E-07	8.29E-08	3.52E-08	4.14E-08	1.63E-08	8.29E-08	3.52E-08
3889	473363.09	3853377.25	2.72E-04	2.78E-04	2.62E-04	9.40E-08	2.84E-07	1.64E-07	1.68E-07	1.53E-07	6.96E-08	6.57E-08	3.14E-09	7.58E-08	1.67E-08	2.28E-08	3.62E-08	6.39E-09	4.33E-09	1.66E-07	8.57E-08	3.64E-08	4.28E-08	1.68E-08	8.57E-08	3.64E-08
3890	473863.09	3853377.25	2.82E-04	2.89E-04	2.72E-04	9.76E-08	2.95E-07	1.71E-07	1.75E-07	1.58E-07	7.23E-08	6.82E-08	3.26E-09	7.87E-08	1.74E-08	2.37E-08	3.76E-08	6.63E-09	4.50E-09	1.72E-07	8.90E-08	3.77E-08	4.44E-08	1.74E-08	8.90E-08	3.77E-08
3891	474363.09	3853377.25	2.92E-04	2.99E-04	2.82E-04	1.01E-07	3.05E-07	1.77E-07	1.81E-07	1.64E-07	7.49E-08	7.07E-08	3.38E-09	8.16E-08	1.80E-08	2.46E-08	3.90E-08	6.87E-09	4.66E-09	1.78E-07	9.22E-08	3.91E-08	4.60E-08	1.81E-08	9.22E-08	3.91E-08
3892	474863.09	3853377.25	2.92E-04	2.99E-04	2.82E-04	1.01E-07	3.05E-07	1.77E-07	1.81E-07	1.64E-07	7.49E-08	7.07E-08	3.38E-09	8.16E-08	1.80E-08	2.46E-08	3.90E-08	6.87E-09	4.66E-09	1.78E-07	9.22E-08	3.91E-08	4.60E-08	1.81E-08	9.22E-08	3.91E-08
3893	475363.09	3853377.25	3.00E-04	3.07E-04	2.89E-04	1.04E-07	3.13E-07	1.81E-07	1.86E-07	1.68E-07	7.68E-08	7.24E-08	3.46E-09	8.37E-08	1.85E-08	2.52E-08	4.00E-08	7.05E-09	4.78E-09	1.83E-07	9.46E-08	4.01E-08	4.72E-08	1.85E-08	9.46E-08	4.01E-08
3894	475863.09	3853377.25	3.08E-04	3.16E-04	2.98E-04	1.07E-07	3.22E-07	1.87E-07	1.91E-07	1.73E-07	7.91E-08	7.46E-08	3.57E-09	8.61E-08	1.90E-08	2.60E-08	4.12E-08	7.26E-09	4.92E-09	1.88E-07	9.74E-08	4.13E-08	4.86E-08	1.91E-08	9.74E-08	4.13E-08
3895	476363.09	3853377.25	3.06E-04	3.13E-04	2.95E-04	1.06E-07	3.19E-07	1.85E-07	1.89E-07	1.72E-07	7.83E-08	7.39E-08	3.53E-09	8.53E-08	1.88E-08	2.57E-08	4.08E-08	7.19E-09	4.87E-09	1.86E-07	9.64E-08	4.09E-08	4.81E-08	1.89E-08	9.64E-08	4.09E-08
3896	476863.09	3853377.25	2.95E-04	3.02E-04	2.85E-04	1.02E-07	3.09E-07	1.79E-07	1.83E-07	1.66E-07	7.57E-08	7.14E-08	3.41E-09	8.24E-08	1.82E-08	2.48E-08	3.94E-08	6.94E-09	4.71E-09	1.80E-07	9.32E-08	3.95E-08	4.65E-08	1.83E-08	9.32E-08	3.95E-08
3897	477363.09	3853377.25	3.01E-04	3.08E-04	2.91E-04	1.04E-07	3.15E-07	1.82E-07	1.87E-07	1.69E-07	7.72E-08	7.28E-08	3.48E-09	8.41E-08	1.86E-08	2.53E-08	4.02E-08	7.08E-09	4.80E-09	1.84E-07	9.50E-08	4.03E-08	4.74E-08	1.86E-08	9.50E-08	4.03E-08
3898	477863.09	3853377.25	3.10E-04	3.17E-04	2.99E-04	1.07E-07	3.24E-07	1.88E-07	1.92E-07	1.74E-07	7.94E-08	7.49E-08	3.58E-09	8.65E-08	1.91E-08	2.61E-08	4.14E-08	7.29E-09	4.94E-09	1.89E-07	9.78E-08	4.15E-08	4.88E-08	1.92E-08	9.78E-08	4.15E-08
3899	478363.09	3853377.25	3.00E-04	3.07E-04	2.89E-04	1.04E-07	3.13E-07	1.81E-07	1.86E-07	1.68E-07	7.68E-08	7.24E-08	3.46E-09	8.37E-08	1.85E-08	2.52E-08	4.00E-08	7.05E-09	4.78E-09	1.83E-07	9.46E-08	4.01E-08	4.72E-08	1.85E-08	9.46E-08	4.01E-08
3900	478863.09	3853377.25	2.89E-04	2.96E-04	2.79E-04	1.00E-07	3.02E-07	1.75E-07	1.79E-07	1.63E-07	7.42E-08	6.99E-08	3.34E-09	8.08E-08	1.78E-08	2.43E-08	3.86E-08	6.80E-09	4.61E-09	1.76E-07	9.13E-08	3.87E-08	4.56E-08	1.79E-08	9.13E-08	3.87E-08
3901	479363.09	3853377.25	3.57E-04	3.66E-04	3.45E-04	1.24E-07	3.73E-07	2.16E-07	2.21E-07	2.01E-07	9.16E-08	8.64E-08	4.13E-09	9.97E-08	2.20E-08	3.01E-08	4.77E-08	8.40E-09	5.70E-09	2.18E-07	1.13E-07	4.78E-08	5.63E-08	2.21E-08	1.13E-07	4.78E-08
3902	479863.09	3853377.25	4.46E-04	4.57E-04	4.31E-04	1.54E-07	4.66E-07	2.70E-07	2.76E-07	2.50E-07	1.14E-07	1.08E-07	5.15E-09	1.24E-07	2.75E-08	3.75E-08	5.95E-08	1.05E-08	7.11E-09	2.72E-07	1.41E-07	5.97E-08	7.02E-08	2.76E-08	1.41E-07	5.97E-08
3903	480363.09	3853377.25	6.14E-04	6.29E-04	5.93E-04	2.13E-07	6.42E-07	3.71E-07	3.80E-07	3.45E-07	1.57E-07	1.48E-07	7.10E-09	1.71E-07	3.78E-08	5.17E-08	8.20E-08	1.44E-08	9.79E-09	3.74E-07	1.94E-07	8.22E-08	9.67E-08	3.80E-08	1.94E-07	8.22E-08
3904	480863.09	3853377.25	6.51E-04	6.67E-04	6.29E-04	2.25E-07	6.80E-07	3.94E-07	4.03E-07	3.66E-07	1.67E-07	1.57E-07	7.52E-09	1.82E-07	4.01E-08	5.48E-08	8.69E-08	1.53E-08	1.04E-08	3.97E-07	2.05E-07	8.72E-08	1.03E-07	4.03E-08	2.05E-07	8.72E-08
3905	481363.09	3853377.25	9.48E-04	9.70E-04	9.15E-04	3.28E-07	9.90E-07	5.73E-07	5.87E-07	5.32E-07	2.43E-07	2.29E-07	1.10E-08	2.65E-07	5.84E-08	7.97E-08	1.26E-07	2.23E-08	1.51E-08	5.77E-07	2.99E-07	1.27E-07	1.49E-07	5.86E-08	2.99E-07	1.27E-07
3906	481863.09	3853377.25	1.49E-03	1.53E-03	1.44E-03	5.15E-07	1.56E-06	9.01E-07	9.23E-07	8.37E-07	3.82E-07	3.60E-07	1.72E-08	4.16E-07	9.18E-08	1.25E-07	1.99E-07	3.50E-08	2.38E-08	9.08E-07	4.70E-07	1.99E-07	2.35E-07	9.22E-08	4.70E-07	1.99E-07
3907	482363.09	3853377.25	2.93E-03	3.00E-03	2.83E-03	1.01E-06	3.06E-06	1.77E-06	1.81E-06	1.64E-06	7.51E-07	7.08E-07	3.38E-08	8.18E-07	1.80E-07	2.46E-07	3.91E-07	6.89E-08	4.67E-08	1.78E-06	9.24E-07	3.92E-07	4.61E-07	1.81E-07	9.24E-07	3.92E-07
3908	482863.09	3853377.25	1.91E-02	1.96E-02	1.85E-02	6.61E-06	2.00E-05	1.16E-05	1.18E-05	1.07E-05	4.90E-06	4.62E-06	2.21E-07	5.34E-06	1.18E-06	1.61E-06	2.55E-06	4.50E-07	3.05E-07	1.16E-05	6.03E-06	2.56E-06	3.01E-06	1.18E-06	6.03E-06	2.56E-06
3909	483363.09	3853377.25	3.73E-03	3.82E-03	3.61E-03	1.29E-06	3.90E-06	2.26E-06	2.31E-06	2.10E-06	9.57E-07	9.02E-07	4.31E-08	1.04E-06	2.30E-07	3.14E-07	4.98E-07	8.78E-08	5.95E-08	2.27E-06	1.18E-06	5.00E-07	5.88E-07	2.31E-07	1.18E-06	5.00E-07
3910	483863.09	3853377.25	2.19E-03	2.24E-03	2.12E-03	7.58E-07	2.29E-06	1.33E-06	1.36E-06	1.23E-06	5.61E-07	5.30E-07	2.53E-08	6.12E-07	1.35E-07	1.84E-07	2.92E-07	5.15E-08	3.49E-08	1.33E-06	6.91E-07	2.93E-07	3.45E-07	1.36E-07	6.91E-07	2.93E-07
3911	484363.09	3853377.25	1.68E-03	1.72E-03	1.62E-03	5.80E-07	1.75E-06	1.01E-06	1.04E-06	9.42E-07	4.30E-07	4.05E-07	1.94E-08	4.68E-07	1.03E-07	1.41E-07	2.24E-07	3.94E-08	2.67E-08	1.02E-06	5.29E-07	2.25E-07	2.64E-07	1.04E-07	5.29E-07	2.25E-07
3912	484863.09	3853377.25	1.23E-03	1.26E-03	1.18E-03	4.25E-07	1.28E-06	7.42E-07	7.60E-07	6.89E-07	3.14E-07	2.97E-07	1.42E-08	3.42E-07	7.56E-08	1.03E-07	1.64E-07	2.89E-08	1.96E-08	7.48E-07	3.87E-07	1.64E-07	1.93E-07	7.59E-08	3.87E-07	1.64E-07
3913	485363.09	3853377.25	9.43E-04	9.66E-04	9.11E-04	3.26E-07	9.86E-07	5.71E-07	5.84E-07	5.30E-07	2.42E-07	2.28E-07	1.09E-08	2.63E-07	5.81E-08	7.94E-08	1.26E-07	2.22E-08	1.50E-08	5.75E-07	2.98E-07	1.26E-07	1.49E-07	5.84E-08	2.98E-07	1.26E-07
3914	485863.09	3853377.25	7.93E-04	8.12E-04	7.66E-04	2.74E-07	8.28E-07	4.80E-07	4.91E-07	4.45E-07	2.03E-07	1.92E-07	9.16E-09	2.21E-07	4.88E-08	6.67E-08	1.06E-07	1.86E-08	1.26E-08	4.83E-07	2.50E-07	1.06E-07	1.25E-07	4.90E-08	2.50E-07	1.06E-07
3915	486363.09	3853377.25	7.56E-04	7.74E-04	7.30E-04	2.62E-07	7.90E-07	4.57E-07	4.68E-07	4.25E-07	1.94E-07	1.83E-07	8.73E-09	2.11E-07	4.66E-08	6.36E-08	1.01E-07	1.78E-08	1.21E-08	4.61E-07	2.38E-07	1.01E-07	1.19E-07	4.68E-08	2.38E-07	1.01E-07
3916	486863.09	3853377.25	7.14E-04	7.32E-04	6.90E-04	2.47E-07	7.47E-07	4.32E-07	4.43E-07	4.01E-07	1.83E-07	1.73E-07	8.26E-09	1.99E-07	4.40E-08	6.01E-08	9.53E-08	1.68E-08	1.14E-08	4.35E-07	2.25E-07	9.57E-08	1.13E-07	4.42E-08	2.25E-07	9.57E-08
3917	487363.09	3853377.25	6.95E-04	7.12E-04	6.72E-04	2.41E-07	7.27E-07	4.21E-07	4.31E-07	3.91E-07	1.78E-07	1.68E-07	8.04E-09	1.94E-07	4.28E-08	5.85E-08	9.28E-08	1.64E-08	1.11E-08	4.24E-07	2.19E-07	9.31E-08	1.10E-07	4.30E-08	2.19E-07	9.31E-08
3918	487863.09	3853377.25	6.73E-04	6.89E-04	6.50E-04	2.33E-07	7.03E-07	4.07E-07	4.17E-07	3.78E-07	1.73E-07	1.63E-07	7.78E-09	1.88E-07	4.15E-08	5.66E-08	8.98E-08	1.58E-08	1.07E-08	4.10E-07	2.12E-07	9.01E-08	1.06E-07	4.17E-08	2.12E-07	9.01E-08
3919	488363.09	3853377.25	6.60E-04	6.76E-04	6.37E-04	2.28E-07	6.90E-07	3.99E-07	4.09E-07	3.71E-07	1.69E-07	1.60E-07	7.63E-09	1.84E-07	4.06E-08	5.55E-08	8.81E-08	1.55E-08	1.05E-08	4.02E-07	2.08E-07	8.83E-08	1.04E-07	4.08E-08	2.08E-07	8.83E-08
3920	488863.09	3853377.25	6.35E-04	6.50E-04	6.13E-04	2.20E-07	6.63E-07	3.84E-07	3.93E-07	3.57E-07	1.63E-07	1.53E-07	7.34E-09	1.77E-07	3.91E-08	5.34E-08	8.47E-08	1.49E-08	1.01E-08	3.87E-07	2.00E-07	8.50E-08	1.00E-07	3.93E-08	2.00E-07	8.50E-08

3921	489363.09	3853377.25	6.12E-04	6.27E-04	5.92E-04	2.12E-07	6.40E-07	3.71E-07	3.80E-07	3.44E-07	1.57E-07	1.48E-07	7.08E-09	1.71E-07	3.77E-08	5.15E-08	8.18E-08	1.44E-08	9.77E-09	3.73E-07	1.93E-07	8.20E-08	9.65E-08	3.79E-08	1.93E-07	8.20E-08
3922	489863.09	3853377.25	5.89E-04	6.03E-04	5.69E-04	2.04E-07	6.15E-07	3.56E-07	3.65E-07	3.31E-07	1.51E-07	1.42E-07	6.81E-09	1.64E-07	3.63E-08	4.95E-08	7.86E-08	1.39E-08	9.39E-09	3.59E-07	1.86E-07	7.89E-08	9.28E-08	3.64E-08	1.86E-07	7.89E-08
3923	490363.09	3853377.25	5.87E-04	6.02E-04	5.67E-04	2.03E-07	6.14E-07	3.55E-07	3.64E-07	3.30E-07	1.51E-07	1.42E-07	6.79E-09	1.64E-07	3.62E-08	4.94E-08	7.84E-08	1.38E-08	9.37E-09	3.58E-07	1.85E-07	7.87E-08	9.25E-08	3.64E-08	1.85E-07	7.87E-08
3924	490863.09	3853377.25	5.80E-04	5.94E-04	5.60E-04	2.01E-07	6.06E-07	3.51E-07	3.59E-07	3.26E-07	1.49E-07	1.40E-07	6.70E-09	1.62E-07	3.57E-08	4.88E-08	7.74E-08	1.36E-08	9.25E-09	3.54E-07	1.83E-07	7.77E-08	9.14E-08	3.59E-08	1.83E-07	7.77E-08
3925	491363.09	3853377.25	5.73E-04	5.87E-04	5.53E-04	1.98E-07	5.99E-07	3.46E-07	3.55E-07	3.22E-07	1.47E-07	1.38E-07	6.62E-09	1.60E-07	3.53E-08	4.82E-08	7.64E-08	1.35E-08	9.13E-09	3.49E-07	1.81E-07	7.67E-08	9.02E-08	3.54E-08	1.81E-07	7.67E-08
3926	491863.09	3853377.25	5.64E-04	5.77E-04	5.45E-04	1.95E-07	5.89E-07	3.41E-07	3.49E-07	3.17E-07	1.45E-07	1.36E-07	6.52E-09	1.57E-07	3.47E-08	4.74E-08	7.53E-08	1.33E-08	8.99E-09	3.44E-07	1.78E-07	7.55E-08	8.88E-08	3.49E-08	1.78E-07	7.55E-08
3927	492363.09	3853377.25	5.62E-04	5.76E-04	5.43E-04	1.95E-07	5.88E-07	3.40E-07	3.48E-07	3.16E-07	1.44E-07	1.36E-07	6.50E-09	1.57E-07	3.46E-08	4.73E-08	7.51E-08	1.32E-08	8.97E-09	3.43E-07	1.77E-07	7.53E-08	8.86E-08	3.48E-08	1.77E-07	7.53E-08
3928	492863.09	3853377.25	5.61E-04	5.74E-04	5.42E-04	1.94E-07	5.86E-07	3.39E-07	3.48E-07	3.15E-07	1.44E-07	1.36E-07	6.48E-09	1.57E-07	3.46E-08	4.72E-08	7.49E-08	1.32E-08	8.94E-09	3.42E-07	1.77E-07	7.51E-08	8.84E-08	3.47E-08	1.77E-07	7.51E-08
3929	493363.09	3853377.25	5.52E-04	5.65E-04	5.33E-04	1.91E-07	5.77E-07	3.34E-07	3.42E-07	3.10E-07	1.41E-07	1.33E-07	6.38E-09	1.54E-07	3.40E-08	4.64E-08	7.37E-08	1.30E-08	8.80E-09	3.36E-07	1.74E-07	7.39E-08	8.70E-08	3.42E-08	1.74E-07	7.39E-08
3930	493863.09	3853377.25	5.42E-04	5.55E-04	5.23E-04	1.87E-07	5.66E-07	3.28E-07	3.36E-07	3.04E-07	1.39E-07	1.31E-07	6.26E-09	1.51E-07	3.34E-08	4.56E-08	7.23E-08	1.27E-08	8.64E-09	3.30E-07	1.71E-07	7.25E-08	8.53E-08	3.35E-08	1.71E-07	7.25E-08
3931	494363.09	3853377.25	5.24E-04	5.37E-04	5.06E-04	1.81E-07	5.48E-07	3.17E-07	3.25E-07	2.94E-07	1.34E-07	1.27E-07	6.06E-09	1.46E-07	3.23E-08	4.41E-08	6.99E-08	1.23E-08	8.36E-09	3.19E-07	1.65E-07	7.02E-08	8.25E-08	3.24E-08	1.65E-07	7.02E-08
3932	494863.09	3853377.25	5.05E-04	5.17E-04	4.88E-04	1.75E-07	5.28E-07	3.05E-07	3.13E-07	2.84E-07	1.29E-07	1.22E-07	5.83E-09	1.41E-07	3.11E-08	4.25E-08	6.74E-08	1.19E-08	8.05E-09	3.08E-07	1.59E-07	6.76E-08	7.95E-08	3.12E-08	1.59E-07	6.76E-08
3933	495363.09	3853377.25	4.93E-04	5.05E-04	4.76E-04	1.71E-07	5.15E-07	2.98E-07	3.05E-07	2.77E-07	1.26E-07	1.19E-07	5.70E-09	1.38E-07	3.04E-08	4.15E-08	6.58E-08	1.16E-08	7.86E-09	3.00E-07	1.56E-07	6.60E-08	7.77E-08	3.05E-08	1.56E-07	6.60E-08
3934	495863.09	3853377.25	4.77E-04	4.88E-04	4.61E-04	1.65E-07	4.98E-07	2.88E-07	2.95E-07	2.68E-07	1.22E-07	1.15E-07	5.51E-09	1.33E-07	2.94E-08	4.01E-08	6.36E-08	1.12E-08	7.60E-09	2.91E-07	1.50E-07	6.38E-08	7.51E-08	2.95E-08	1.50E-07	6.38E-08
3935	496363.09	3853377.25	4.56E-04	4.67E-04	4.41E-04	1.58E-07	4.77E-07	2.76E-07	2.83E-07	2.56E-07	1.17E-07	1.10E-07	5.27E-09	1.27E-07	2.81E-08	3.84E-08	6.09E-08	1.07E-08	7.27E-09	2.78E-07	1.44E-07	6.11E-08	7.18E-08	2.82E-08	1.44E-07	6.11E-08
3936	496863.09	3853377.25	4.27E-04	4.37E-04	4.12E-04	1.48E-07	4.46E-07	2.58E-07	2.64E-07	2.40E-07	1.09E-07	1.03E-07	4.93E-09	1.19E-07	2.63E-08	3.59E-08	5.69E-08	1.00E-08	6.80E-09	2.60E-07	1.35E-07	5.71E-08	6.72E-08	2.64E-08	1.35E-07	5.71E-08
3937	497363.09	3853377.25	3.93E-04	4.02E-04	3.79E-04	1.36E-07	4.10E-07	2.38E-07	2.43E-07	2.21E-07	1.01E-07	9.49E-08	4.54E-09	1.10E-07	2.42E-08	3.30E-08	5.24E-08	9.24E-09	6.26E-09	2.39E-07	1.24E-07	5.26E-08	6.18E-08	2.43E-08	1.24E-07	5.26E-08
3938	497863.09	3853377.25	3.34E-04	3.42E-04	3.22E-04	1.15E-07	3.49E-07	2.02E-07	2.07E-07	1.87E-07	8.55E-08	8.06E-08	3.86E-09	9.31E-08	2.06E-08	2.81E-08	4.45E-08	7.85E-09	5.32E-09	2.03E-07	1.05E-07	4.47E-08	5.25E-08	2.06E-08	1.05E-07	4.47E-08
3939	498363.09	3853377.25	3.04E-04	3.11E-04	2.94E-04	1.05E-07	3.18E-07	1.84E-07	1.88E-07	1.71E-07	7.79E-08	7.35E-08	3.51E-09	8.49E-08	1.87E-08	2.56E-08	4.06E-08	7.15E-09	4.85E-09	1.85E-07	9.60E-08	4.07E-08	4.79E-08	1.88E-08	9.60E-08	4.07E-08
3940	471363.09	3853877.25	2.23E-04	2.28E-04	2.15E-04	7.71E-08	2.33E-07	1.35E-07	1.38E-07	1.25E-07	5.71E-08	5.39E-08	2.58E-09	6.22E-08	1.37E-08	1.88E-08	2.97E-08	5.24E-09	3.55E-09	1.36E-07	7.03E-08	2.98E-08	3.51E-08	1.38E-08	7.03E-08	2.98E-08
3941	471863.09	3853877.25	2.33E-04	2.39E-04	2.25E-04	8.07E-08	2.44E-07	1.41E-07	1.45E-07	1.31E-07	5.98E-08	5.64E-08	2.70E-09	6.51E-08	1.44E-08	1.96E-08	3.11E-08	5.49E-09	3.72E-09	1.42E-07	7.36E-08	3.12E-08	3.67E-08	1.44E-08	7.36E-08	3.12E-08
3942	472363.09	3853877.25	2.41E-04	2.46E-04	2.32E-04	8.33E-08	2.51E-07	1.46E-07	1.49E-07	1.35E-07	6.17E-08	5.82E-08	2.78E-09	6.72E-08	1.48E-08	2.02E-08	3.21E-08	5.66E-09	3.84E-09	1.47E-07	7.59E-08	3.22E-08	3.79E-08	1.49E-08	7.59E-08	3.22E-08
3943	472863.09	3853877.25	2.49E-04	2.55E-04	2.41E-04	8.63E-08	2.61E-07	1.51E-07	1.55E-07	1.40E-07	6.39E-08	6.03E-08	2.88E-09	6.96E-08	1.54E-08	2.10E-08	3.33E-08	5.87E-09	3.98E-09	1.52E-07	7.87E-08	3.34E-08	3.93E-08	1.54E-08	7.87E-08	3.34E-08
3944	473363.09	3853877.25	2.55E-04	2.62E-04	2.47E-04	8.84E-08	2.67E-07	1.54E-07	1.58E-07	1.43E-07	6.54E-08	6.17E-08	2.95E-09	7.13E-08	1.57E-08	2.15E-08	3.41E-08	6.01E-09	4.07E-09	1.56E-07	8.06E-08	3.42E-08	4.02E-08	1.58E-08	8.06E-08	3.42E-08
3945	473863.09	3853877.25	2.61E-04	2.68E-04	2.52E-04	9.04E-08	2.73E-07	1.58E-07	1.62E-07	1.47E-07	6.70E-08	6.32E-08	3.02E-09	7.29E-08	1.61E-08	2.20E-08	3.49E-08	6.15E-09	4.17E-09	1.59E-07	8.24E-08	3.50E-08	4.12E-08	1.62E-08	8.24E-08	3.50E-08
3946	474363.09	3853877.25	2.70E-04	2.77E-04	2.61E-04	9.35E-08	2.82E-07	1.63E-07	1.67E-07	1.52E-07	6.92E-08	6.53E-08	3.12E-09	7.54E-08	1.66E-08	2.27E-08	3.61E-08	6.35E-09	4.31E-09	1.65E-07	8.52E-08	3.62E-08	4.25E-08	1.67E-08	8.52E-08	3.62E-08
3947	474863.09	3853877.25	2.77E-04	2.84E-04	2.68E-04	9.60E-08	2.90E-07	1.68E-07	1.72E-07	1.56E-07	7.11E-08	6.71E-08	3.21E-09	7.75E-08	1.71E-08	2.33E-08	3.70E-08	6.53E-09	4.43E-09	1.69E-07	8.76E-08	3.72E-08	4.37E-08	1.72E-08	8.76E-08	3.72E-08
3948	475363.09	3853877.25	2.76E-04	2.83E-04	2.67E-04	9.55E-08	2.88E-07	1.67E-07	1.71E-07	1.55E-07	7.07E-08	6.67E-08	3.19E-09	7.71E-08	1.70E-08	2.32E-08	3.68E-08	6.49E-09	4.40E-09	1.68E-07	8.71E-08	3.70E-08	4.35E-08	1.71E-08	8.71E-08	3.70E-08
3949	475863.09	3853877.25	2.66E-04	2.72E-04	2.57E-04	9.20E-08	2.78E-07	1.61E-07	1.65E-07	1.49E-07	6.81E-08	6.42E-08	3.07E-09	7.42E-08	1.64E-08	2.24E-08	3.55E-08	6.25E-09	4.24E-09	1.62E-07	8.38E-08	3.56E-08	4.19E-08	1.64E-08	8.38E-08	3.56E-08
3950	476363.09	3853877.25	2.60E-04	2.66E-04	2.51E-04	8.99E-08	2.71E-07	1.57E-07	1.61E-07	1.46E-07	6.66E-08	6.28E-08	3.00E-09	7.25E-08	1.60E-08	2.19E-08	3.47E-08	6.11E-09	4.14E-09	1.58E-07	8.20E-08	3.48E-08	4.09E-08	1.61E-08	8.20E-08	3.48E-08
3951	476863.09	3853877.25	2.49E-04	2.55E-04	2.41E-04	8.63E-08	2.61E-07	1.51E-07	1.55E-07	1.40E-07	6.39E-08	6.03E-08	2.88E-09	6.96E-08	1.54E-08	2.10E-08	3.33E-08	5.87E-09	3.98E-09	1.52E-07	7.87E-08	3.34E-08	3.93E-08	1.54E-08	7.87E-08	3.34E-08
3952	477363.09	3853877.25	2.64E-04	2.71E-04	2.55E-04	9.15E-08	2.76E-07	1.60E-07	1.64E-07	1.48E-07	6.77E-08	6.39E-08	3.05E-09	7.38E-08	1.63E-08	2.22E-08	3.53E-08	6.21E-09	4.21E-09	1.61E-07	8.34E-08	3.54E-08	4.16E-08	1.63E-08	8.34E-08	3.54E-08
3953	477863.09	3853877.25	2.83E-04	2.90E-04	2.74E-04	9.81E-08	2.96E-07	1.71E-07	1.76E-07	1.59E-07	7.26E-08	6.85E-08	3.28E-09	7.91E-08	1.75E-08	2.38E-08	3.78E-08	6.67E-09	4.52E-09	1.73E-07	8.94E-08	3.79E-08	4.46E-08	1.75E-08	8.94E-08	3.79E-08
3954	478363.09	3853877.25	2.92E-04	2.99E-04	2.82E-04	1.01E-07	3.05E-07	1.77E-07	1.81E-07	1.64E-07	7.49E-08	7.07E-08	3.38E-09	8.16E-08	1.80E-08	2.46E-08	3.90E-08	6.87E-09	4.66E-09	1.78E-07	9.22E-08	3.91E-08	4.60E-08	1.81E-08	9.22E-08	3.91E-08
3955	478863.09	3853877.25	2.70E-04	2.77E-04	2.61E-04	9.35E-08	2.82E-07	1.63E-07	1.67E-07	1.52E-07	6.92E-08	6.53E-08	3.12E-09	7.54E-08	1.66E-08	2.27E-08	3.61E-08	6.35E-09	4.31E-09	1.65E-07	8.52E-08	3.62E-08	4.25E-08	1.67E-08	8.52E-08	3.62E-08
3956	479363.09	3853877.25	3.07E-04	3.14E-04	2.97E-04	1.06E-07	3.21E-07	1.86E-07	1.90E-07	1.72E-07	7.87E-08	7.42E-08	3.55E-09	8.57E-08	1.89E-08	2.58E-08	4.10E-08	7.22E-09	4.90E-09	1.87E-07	9.69E-08	4.11E-08	4.84E-08	1.90E-08	9.69E-08	4.11E-08
3957	479863.09	3853877.25	3.94E-04	4.04E-04	3.81E-04	1.36E-07	4.12E-07	2.38E-07	2.44E-07	2.21E-07	1.01E-07	9.53E-08	4.56E-09	1.10E-07	2.43E-08	3.32E-08	5.26E-08	9.27E-09	6.28E-09	2.40E-07	1.24E-07	5.28E-08	6.21E-08	2.44E-08	1.24E-07	5.28E-08
3958	480363.09	3853877.25	4.86E-04	4.97E-04	4.69E-04	1.68E-07	5.08E-07	2.94E-07	3.01E-07	2.73E-07	1.24E-07	1.17E-07	5.61E-09	1.36E-07	2.99E-08	4.09E-08	6.48E-08	1.14E-08	7.74E-09	2.96E-07	1.53E-07	6.50E-08	7.65E-08	3.01E-08	1.53E-07	6.50E-08
3959	480863.09	3853877.25	6.58E-04	6.74E-04	6.36E-04	2.28E-07	6.88E-07	3.98E-07	4.08E-07	3.70E-07	1.69E-07	1.59E-07	7.61E-09	1.84E-07	4.06E-08	5.54E-08	8.79E-08	1.55E-08	1.05E-08	4.01E-07	2.08E-07	8.81E-08	1.04E-07	4.07E-08	2.08E-07	8.81E-08
3960	481363.09	3853877.25	8.52E-04	8.72E-04	8.23E-04	2.95E-07	8.90E-07	5.15E-07	5.28E-07	4.78E-07	2.18E-07	2.06E-07	9.84E-09	2.38E-07	5.25E-08	7.17E-08	1.14E-07	2.00E-08	1.36E-08	5.19E-07	2.69E-07	1.14E-07	1.34E-07	5.27E-08	2.69E-07	1.14E-07
3961	481863.09	3853877.25	1.27E-03	1.30E-03	1.22E-03	4.39E-07	1.33E-06	7.67E-07	7.86E-07	7.12E-07	3.25E-07	3.07E-07	1.47E-08	3.54E-07	7.81E-08	1.07E-07	1.69E-07	2.98E-08	2.02E-08	7.73E-07	4.00E-07	1.70E-07	2.00E-07	7.85E-08	4.00E-07	1.70E-07
3962	482363.09	3853877.25	2.25E-03	2.31E-03	2.18E-03	7.80E-07	2.36E-06	1.36E-06	1.40E-06	1.27E-06	5.78E-07	5.45E-07	2.61E-08	6.29E-07	1.39E-07	1.90E-07	3.01E-07	5.30E-08	3.59E-08	1.37E-06	7.11E-07	3.02E-07	3.55E-07	1.39E-07	7.11E-07	3.02E-07
3963	482863.09	3853877.25	4.02E-02	4.12E-02	3.88E-02	1.39E-05	4.20E-05	2.43E-05	2.49E-05	2.26E-05	1.03E-05	9.72E-06	4.65E-07	1.12E-05	2.48E-06	3.38E-06	5.36E-06	9.46E-07	6.41E-07	2.45E-05	1.27E-05	5.38E-06	6.33E-06	2.49E-06	1.27E-05	5.38E-06
3964	483363.09	3853877.25	4.32E-03	4.43E-03	4.18E-03	1.50E-06	4.52E-06	2.62E-06	2.68E-06	2.43E-06	1.11E-06	1.05E-06	5.00E-08	1.21E-06	2.66E-07	3.64E-07	5.77E-07	1.02E-07	6.90E-08	2.64E-06	1.36E-06	5.79E-07	6.81E-07	2.68E-07	1.36E-06	5.79E-07
3965	483863.09	3853877.25	2.49E-03	2.55E-03	2.41E-03	8.63E-07	2.61E-06	1.51E-06	1.55E-06	1.40E-06	6.39E-07	6.03E-07	2.88E-08	6.96E-07	1.54E-07	2.10E-07	3.33E-07	5.87E-08	3.98E-08	1.52E-06	7.87E-07	3.34E-07	3.93E-07	1.54E-07	7.87E-07	3.34E-07
3966	484363.09	3853877.25	1.65E-03	1.69E-03	1.59E-03	5.71E-07	1.72E-06	9.97E-07	1.02E-06	9.26E-07	4.23E-07	3.99E-07	1.91E-08	4.60E-07	1.02E-07	1.39E-07	2.20E-07	3.88E-08	2.63E-08	1.00E-06	5.20E-07	2.21E-07	2.60E-07	1.02E-07	5.20E-07	2.21E-07
3967	484863.09	3853877.25	1.20E-03	1.23E-03	1.16E-03	4.15E-07	1.25E-06	7.25E-07	7.43E-07	6.73E-07	3.07E-07	2.90E-07	1.39E-08	3.35E-07	7.38E-08	1.01E-07	1.60E-07	2.82E-08	1.91E-08	7.30E-07	3.78E-07	1.60E-07	1.89E-07	7.42E-08	3.78E-07	1.60E-07
3968	485363.09	3853877.25	8.87E-04	9.08E-04	8.57E-04	3.07E-07	9.27E-07	5.37E-07	5.50E-07	4.98E-07	2.27E-07	2.14E-07	1.03E-08	2.48E-07	5.47E-08	7.46E-08	1.18E-07	2.09E-08	1.41E-08	5.41E-07	2.80E-07	1.19E-07	1.40E-07	5.49E-08	2.80E-07	1.19E-07
3969	485863.09	3853877.25	8.26E-04	8.47E-04	7.98E-04	2.86E-07	8.64E-07	5.00E-07	5.12E-07	4.64E-07	2.12E-07	2.00E-07	9.55E-09	2.31E-07	5.09E-08	6.95E-08	1.10E-07	1.94E-08	1.32E-08	5.04E-07	2.61E-07	1.11E-07	1.30E-07	5.12E-08	2.61E-07	1.11E-07
3970	486363.09	3853877.25	7.70E-04	7.89E-04	7.44E-04	2.67E-07	8.05E-07	4.66E-07	4.77E-07	4.33E-07	1.97E-07	1.86E-07	8.91E-09	2.15E-07	4.75E-08	6.48E-08	1.03E-07	1.81E-08	1.23E-08	4.70E-07	2.43E-07	1.03E-07	1.21E-07	4.77E-08	2.43E-07	1.03E-07
3971	486863.09	3853877.25	7.28E-04	7.45E-04	7.03E-04	2.52E-07	7.60E-07	4.40E-07	4.51E-07	4.09E-07	1.87E-07	1.76E-07	8.41E-09	2.03E-07	4.48E-08	6.12E-08	9.71E-08	1.71E-08	1.16E-08	4.43E-07	2.30E-07	9.74E-08	1.15E-07	4.50E-08	2.30E-07	9.74E-08
3972	487363.09	3853877.25	7.16E-04	7.33E-04	6.92E-04	2.48E-07	7.48E-07	4.33E-07	4.44E-07	4.02E-07	1.83E-07	1.73E-07	8.27E-09	2.00E-07	4.41E-08	6.02E-08	9.55E-08	1.68E-08	1.14E-08	4.36E-07	2.26E-07	9.59E-08	1.13E-07	4.43E-08	2.26E-07	9.59E-08
3973	487863.09	3853877.25	7.22E-04	7.39E-04	6.97E-04	2.50E-07	7.54E-07	4.37E-07	4.47E-07	4.05E-07	1.85E-07	1.75E-07	8.34E-09	2.02E-07	4.45E-08	6.07E-08	9.63E-08	1.70E-08	1.15E-08	4.40E-07	2.28E-07	9.66E-08	1.14E-07	4.47E-08	2.28E-07	9.66E-08
3974	488363.09	3853877.25	7.07E-04	7.24E-04	6.83E-04	2.45E-07	7.39E-07	4.28E-07	4.38E-07	3.97E-07	1.81E-07	1.71E-07	8.17E-09	1.97E-07	4.36E-08	5.95E-08	9.44E-08	1.66E-08	1.13E-08	4.31E-07	2.23E-07	9.47E-08	1.11E-07	4.38E-08	2.23E-07	9.47E-08
3975	488863.09	3853877.25	7.03E-04	7.20E-04	6.79E-04	2.43E-07	7.34E-07	4.25E-07	4.35E-07	3.95E-07	1.80E-07	1.70E-07	8.12E-09	1.96E-07	4.33E-08	5.91E-08	9.38E-08	1.65E-08	1.12E-08	4.28E-07	2.22E-07	9.41E-08	1.11E-07	4.35E-08	2.22E-07	9.41E-08
3976	489363.09	3853877.25	6.66E-04	6.82E-04	6.43E-04	2.30E-07	6.96E-07	4.03E-07	4.13E-07	3.74E-07	1.71E-07	1.61E-07	7.69E-09	1.86E-07	4.10E-08	5.60E-08	8.88E-08	1.57E-08	1.06E-08	4.06E-07	2.10E-07	8.91E-08	1.05E-07	4.12E-08	2.10E-07	8.91E-08
3977	489863.09	3853877.25	6.54E-04	6.70E-04	6.32E-04	2.26E-07	6.83E-07	3.96E-07	4.05E-07	3.67E-07	1.68E-07	1.58E-07	7.56E-09	1.83E-07	4.03E-08	5.50E-08	8.73E-08	1.54E-08	1.04E-08	3.98E-07	2.06E-07	8.76E-08	1.03E-07	4.05E-08	2.06E-07	8.76E-08
3978	490363.09	3853877.25	6.32E-04	6.47E-04	6.10E-04	2.19E-07	6.60E-07	3.82E-07	3.91E-07	3.55E-07	1.62E-07	1.53E-07	7.30E-09	1.76E-07	3.89E-08	5.31E-08	8.43E-08	1.49E-08	1.01E-08	3.85E-07	1.99E-07	8.46E-08	9.95E-08	3.91E-08	1.99E-07	8.46E-08
3979	490863.09	3853877.25	6.18E-04	6.33E-04	5.97E-04	2.14E-07	6.46E-07	3.74E-07	3.83E-07	3.47E-07	1.59E-07	1.50E-07	7.15E-09	1.73E-07	3.81E-08	5.20E-08	8.25E-08	1.45E-08	9.86E-09	3.77E-07	1.95E-07	8.28E-08	9.74E-08	3.83E-08	1.95E-07	8.28E-08
3980	491363.09	3853877.25	6.10E-04	6.24E-04	5.89E-04	2.11E-07	6.37E-07	3.69E-07	3.78E-07	3.42E-07	1.56E-07	1.47E-07	7.05E-09	1.70E-07	3.76E-08	5.13E-08	8.14E-08	1.43E-08	9.72E-09	3.72E-07	1.92E-07	8.16E-08	9.60E-08	3.77E-08	1.92E-07	8.16E-08
3981	491863.09	3853877.25	6.01E-04	6.15E-04	5.80E-04	2.08E-07	6.28E-07	3.63E-07	3.72E-07	3.37E-07	1.54E-07	1.45E-07	6.94E-09	1.68E-07	3.70E-08	5.05E-08	8.02E-08	1.41E-08	9.58E-09	3.66E-07	1.90E-07	8.04E-08	9.46E-08	3.72E-08	1.90E-07	8.04E-08
3982	492363.09	3853877.25	6.01E-04	6.15E-04	5.80E-04	2.08E-07	6.28E-07	3.63E-07	3.72E-07	3.37E-07	1.54E-07	1.45E-07	6.94E-09	1.68E-07	3.70E-08	5.05E-08	8.02E-08	1.41E-08	9.58E-09	3.66E-07	1.90E-07	8.04E-08	9.46E-08	3.72E-08	1.90E-07	8.04E-08
3983	492863.09	3853877.25	5.95E-04	6.09E-04	5.75E-04	2.06E-07	6.22E-07	3.60E-07	3.69E-07	3.34E-07	1.52E-07	1.44E-07	6.88E-09	1.66E-07	3.66E-08	5.00E-08	7.94E-08	1.40E-08	9.49E-09	3.63E-07	1.88E-07	7.96E-08	9.37E-08	3.68E-08	1.88E-07	7.96E-08
3984	493363.09	3853877.25	5.79E-04	5.93E-04	5.59E-04	2.00E-07	6.05E-07	3.50E-07	3.59E-07	3.25E-07	1.48E-07	1.40E-07	6.69E-09	1.62E-07	3.56E-08	4.87E-08	7.72E-08	1.36E-08	9.23E-09	3.53E-07	1.83E-07	7.75E-08	9.11E-08	3.58E-08	1.83E-07	7.75E-08
3985	493863.09	3853877.25	5.61E-04	5.74E-04	5.42E-04	1.94E-07	5.86E-07	3.39E-07	3.48E-07	3.15E-07	1.44E-07	1.36E-07	6.48E-09	1.57E-07	3.46E-08	4.72E-08	7.49E-08	1.32E-08	8.94E-09	3.42E-07	1.77E-07	7.51E-08	8.84E-08	3.47E-08	1.77E-07	7.51E-08
3986	494363.09	3853877.25	5.48E-04	5.61E-04	5.29E-04	1.90E-07	5.72E-07	3.31E-07	3.39E-07	3.08E-07	1.40E-07	1.32E-07	6.33E-09	1.53E-07	3.37E-08	4.61E-08	7.31E-08	1.29E-08	8.73E-09	3.34E-07	1.73E-07	7.33E-08	8.63E-08	3.39E-08	1.73E-07	7.33E-08
3987	494863.09	3853877.25	5.28E-04	5.41E-04	5.10E-04	1.83E-07	5.52E-07	3.20E-07	3.27E-07	2.97E-07	1.35E-07	1.28E-07	6.11E-09	1.48E-07	3.26E-08	4.45E-08	7.05E-08	1.24E-08	8.43E-09	3.22E-07	1.67E-07	7.08E-08	8.32E-08	3.27E-08	1.67E-07	7.08E-08
3988	495363.09	3853877.25	4.94E-04	5.06E-04	4.78E-04	1.71E-07	5.17E-07	2.99E-07	3.06E-07	2.78E-07	1.27E-07	1.20E-07	5.72E-09	1.38E-07	3.05E-08	4.16E-08	6.60E-08	1.16E-08	7.89E-09	3.01E-07	1.56E-07	6.62E-08	7.79E-08	3.06E-08	1.56E-07	6.62E-08
3989	495863.09	3853877.25	4.66E-04	4.78E-04	4.51E-04	1.61E-07	4.87E-07	2.82E-07	2.89E-07	2.62E-07	1.20E-07	1.13E-07	5.39E-09	1.30E-07	2.87E-08	3.92E-08	6.23E-08	1.10E-08	7.44E-09	2.84E-07	1.47E-07	6.25E-08	7.35E-08	2.89E-08	1.47E-07	6.25E-08
3990	496363.09	3853877.25	4.47E-04	4.58E-04	4.32E-04	1.55E-07	4.67E-07	2.71E-07	2.77E-07	2.51E-07	1.15E-07	1.08E-07	5.17E-09	1.25E-07	2.76E-08	3.76E-08	5.97E-08	1.05E-08	7.13E-09	2.73E-07	1.41E-07	5.99E-08	7.04E-08	2.77E-08	1.41E-07	5.99E-08
3991	496863.09	3853877.25	4.15E-04	4.25E-04	4.01E-04	1.44E-07	4.33E-07	2.51E-07	2.57E-07	2.33E-07	1.06E-07	1.00E-07	4.79E-09	1.16E-07	2.56E-08	3.49E-08	5.54E-08	9.76E-09	6.61E-09	2.53E-07	1.31E-07	5.55E-08	6.53E-08	2.57E-08	1.31E-07	5.55E-08
3992	497363.09	3853877.25	3.88E-04	3.98E-04	3.75E-04	1.34E-07	4.06E-07	2.35E-07	2.41E-07	2.18E-07	9.95E-08	9.39E-08	4.49E-09	1.08E-07	2.39E-08	3.27E-08	5.18E-08	9.13E-09	6.19E-09	2.37E-07	1.23E-07	5.20E-08	6.11E-08	2.40E-08	1.23E-07	5.20E-08
3993	497863.09	3853877.25	3.53E-04	3.61E-04	3.41E-04	1.22E-07	3.69E-07	2.13E-07	2.19E-07	1.98E-07	9.04E-08	8.53E-08	4.08E-09	9.85E-08	2.17E-08	2.97E-08	4.71E-08	8.30E-09	5.63E-09	2.15E-07	1.11E-07	4.72E-08	5.56E-08	2.18E-08	1.11E-07	4.72E-08
3994	498363.09	3853877.25	3.29E-04	3.37E-04	3.18E-04	1.14E-07	3.44E-07	1.99E-07	2.04E-07	1.85E-07	8.44E-08	7.96E-08	3.80E-09	9.19E-08	2.03E-08	2.77E-08	4.39E-08	7.74E-09	5.25E-09	2.01E-07	1.04E-07	4.41E-08	5.18E-08	2.04E-08	1.04E-07	4.41E-08
3995	471363.09	3854377.25	2.15E-04	2.21E-04	2.08E-04	7.46E-08	2.25E-07	1.30E-07	1.34E-07	1.21E-07	5.52E-08	5.21E-08	2.49E-09	6.02E-08	1.33E-08	1.81E-08	2.88E-08	5.07E-09	3.44E-09	1.31E-07	6.80E-08	2.89E-08	3.39E-08	1.33E-08	6.80E-08	2.89E-08
3996	471863.09	3854377.25	2.26E-04	2.31E-04	2.18E-04	7.82E-08	2.36E-07	1.37E-07	1.40E-07	1.27E-07	5.79E-08	5.46E-08	2.61E-09	6.31E-08	1.39E-08	1.90E-08	3.01E-08	5.31E-09	3.60E-09	1.38E-07	7.13E-08	3.02E-08	3.56E-08	1.40E-08	7.13E-08	3.02E-08
3997	472363.09	3854377.25	2.33E-04	2.39E-04	2.25E-04	8.07E-08	2.44E-07	1.41E-07	1.45E-07	1.31E-07	5.98E-08	5.64E-08	2.70E-09	6.51E-08	1.44E-08	1.96E-08	3.11E-08	5.49E-09	3.72E-09	1.42E-07	7.36E-08	3.12E-08	3.67E-08	1.44E-08	7.36E-08	3.12E-08

3998	472863.09	3854377.25	2.38E-04	2.43E-04	2.30E-04	8.23E-08	2.48E-07	1.44E-07	1.47E-07	1.33E-07	6.09E-08	5.75E-08	2.75E-09	6.63E-08	1.46E-08	2.00E-08	3.17E-08	5.59E-09	3.79E-09	1.45E-07	7.50E-08	3.18E-08	3.74E-08	1.47E-08	7.50E-08	3.18E-08
3999	473363.09	3854377.25	2.46E-04	2.52E-04	2.38E-04	8.53E-08	2.58E-07	1.49E-07	1.53E-07	1.38E-07	6.32E-08	5.96E-08	2.85E-09	6.88E-08	1.52E-08	2.07E-08	3.29E-08	5.80E-09	3.93E-09	1.50E-07	7.78E-08	3.30E-08	3.88E-08	1.53E-08	7.78E-08	3.30E-08
4000	473863.09	3854377.25	2.55E-04	2.62E-04	2.47E-04	8.84E-08	2.67E-07	1.54E-07	1.58E-07	1.43E-07	6.54E-08	6.17E-08	2.95E-09	7.13E-08	1.57E-08	2.15E-08	3.41E-08	6.01E-09	4.07E-09	1.56E-07	8.06E-08	3.42E-08	4.02E-08	1.58E-08	8.06E-08	3.42E-08
4001	474363.09	3854377.25	2.63E-04	2.69E-04	2.54E-04	9.09E-08	2.75E-07	1.59E-07	1.63E-07	1.48E-07	6.73E-08	6.35E-08	3.04E-09	7.34E-08	1.62E-08	2.21E-08	3.51E-08	6.18E-09	4.19E-09	1.60E-07	8.29E-08	3.52E-08	4.14E-08	1.63E-08	8.29E-08	3.52E-08
4002	474863.09	3854377.25	2.58E-04	2.65E-04	2.50E-04	8.94E-08	2.70E-07	1.56E-07	1.60E-07	1.45E-07	6.62E-08	6.24E-08	2.99E-09	7.21E-08	1.59E-08	2.17E-08	3.45E-08	6.08E-09	4.12E-09	1.57E-07	8.15E-08	3.46E-08	4.07E-08	1.60E-08	8.15E-08	3.46E-08
4003	475363.09	3854377.25	2.46E-04	2.52E-04	2.38E-04	8.53E-08	2.58E-07	1.49E-07	1.53E-07	1.38E-07	6.32E-08	5.96E-08	2.85E-09	6.88E-08	1.52E-08	2.07E-08	3.29E-08	5.80E-09	3.93E-09	1.50E-07	7.78E-08	3.30E-08	3.88E-08	1.53E-08	7.78E-08	3.30E-08
4004	475863.09	3854377.25	2.23E-04	2.28E-04	2.15E-04	7.71E-08	2.33E-07	1.35E-07	1.38E-07	1.25E-07	5.71E-08	5.39E-08	2.58E-09	6.22E-08	1.37E-08	1.88E-08	2.97E-08	5.24E-09	3.55E-09	1.36E-07	7.03E-08	2.98E-08	3.51E-08	1.38E-08	7.03E-08	2.98E-08
4005	476363.09	3854377.25	2.24E-04	2.30E-04	2.17E-04	7.77E-08	2.34E-07	1.36E-07	1.39E-07	1.26E-07	5.75E-08	5.42E-08	2.59E-09	6.26E-08	1.38E-08	1.89E-08	2.99E-08	5.28E-09	3.58E-09	1.37E-07	7.08E-08	3.00E-08	3.53E-08	1.39E-08	7.08E-08	3.00E-08
4006	476863.09	3854377.25	2.30E-04	2.36E-04	2.22E-04	7.97E-08	2.41E-07	1.39E-07	1.43E-07	1.29E-07	5.90E-08	5.57E-08	2.66E-09	6.43E-08	1.42E-08	1.94E-08	3.07E-08	5.42E-09	3.67E-09	1.40E-07	7.27E-08	3.08E-08	3.63E-08	1.42E-08	7.27E-08	3.08E-08
4007	477363.09	3854377.25	2.38E-04	2.43E-04	2.30E-04	8.23E-08	2.48E-07	1.44E-07	1.47E-07	1.33E-07	6.09E-08	5.75E-08	2.75E-09	6.63E-08	1.46E-08	2.00E-08	3.17E-08	5.59E-09	3.79E-09	1.45E-07	7.50E-08	3.18E-08	3.74E-08	1.47E-08	7.50E-08	3.18E-08
4008	477863.09	3854377.25	2.48E-04	2.54E-04	2.40E-04	8.58E-08	2.59E-07	1.50E-07	1.54E-07	1.39E-07	6.36E-08	6.00E-08	2.87E-09	6.92E-08	1.53E-08	2.09E-08	3.31E-08	5.83E-09	3.95E-09	1.51E-07	7.83E-08	3.32E-08	3.91E-08	1.53E-08	7.83E-08	3.32E-08
4009	478363.09	3854377.25	2.67E-04	2.74E-04	2.58E-04	9.25E-08	2.79E-07	1.62E-07	1.66E-07	1.50E-07	6.85E-08	6.46E-08	3.09E-09	7.46E-08	1.65E-08	2.25E-08	3.57E-08	6.28E-09	4.26E-09	1.63E-07	8.43E-08	3.58E-08	4.21E-08	1.65E-08	8.43E-08	3.58E-08
4010	478863.09	3854377.25	2.80E-04	2.87E-04	2.71E-04	9.71E-08	2.93E-07	1.70E-07	1.74E-07	1.58E-07	7.19E-08	6.78E-08	3.24E-09	7.83E-08	1.73E-08	2.36E-08	3.74E-08	6.60E-09	4.47E-09	1.71E-07	8.85E-08	3.76E-08	4.42E-08	1.74E-08	8.85E-08	3.76E-08
4011	479363.09	3854377.25	3.23E-04	3.31E-04	3.12E-04	1.12E-07	3.38E-07	1.96E-07	2.00E-07	1.82E-07	8.29E-08	7.82E-08	3.74E-09	9.02E-08	1.99E-08	2.72E-08	4.31E-08	7.60E-09	5.15E-09	1.97E-07	1.02E-07	4.33E-08	5.09E-08	2.00E-08	1.02E-07	4.33E-08
4012	479863.09	3854377.25	3.59E-04	3.67E-04	3.46E-04	1.24E-07	3.75E-07	2.17E-07	2.22E-07	2.01E-07	9.19E-08	8.67E-08	4.15E-09	1.00E-07	2.21E-08	3.02E-08	4.79E-08	8.44E-09	5.72E-09	2.19E-07	1.13E-07	4.80E-08	5.65E-08	2.22E-08	1.13E-07	4.80E-08
4013	480363.09	3854377.25	4.27E-04	4.37E-04	4.12E-04	1.48E-07	4.46E-07	2.58E-07	2.64E-07	2.40E-07	1.09E-07	1.03E-07	4.93E-09	1.19E-07	2.63E-08	3.59E-08	5.69E-08	1.00E-08	6.80E-09	2.60E-07	1.35E-07	5.71E-08	6.72E-08	2.64E-08	1.35E-07	5.71E-08
4014	480863.09	3854377.25	5.51E-04	5.64E-04	5.32E-04	1.91E-07	5.75E-07	3.33E-07	3.41E-07	3.09E-07	1.41E-07	1.33E-07	6.36E-09	1.54E-07	3.39E-08	4.63E-08	7.35E-08	1.30E-08	8.78E-09	3.36E-07	1.74E-07	7.37E-08	8.67E-08	3.41E-08	1.74E-07	7.37E-08
4015	481363.09	3854377.25	7.35E-04	7.53E-04	7.10E-04	2.54E-07	7.68E-07	4.45E-07	4.55E-07	4.13E-07	1.88E-07	1.78E-07	8.50E-09	2.05E-07	4.53E-08	6.18E-08	9.81E-08	1.73E-08	1.17E-08	4.48E-07	2.32E-07	9.84E-08	1.16E-07	4.55E-08	2.32E-07	9.84E-08
4016	481863.09	3854377.25	1.15E-03	1.18E-03	1.12E-03	4.00E-07	1.21E-06	6.98E-07	7.15E-07	6.48E-07	2.96E-07	2.79E-07	1.33E-08	3.22E-07	7.11E-08	9.71E-08	1.54E-07	2.72E-08	1.84E-08	7.03E-07	3.64E-07	1.55E-07	1.82E-07	7.14E-08	3.64E-07	1.55E-07
4017	482363.09	3854377.25	1.96E-03	2.00E-03	1.89E-03	6.77E-07	2.04E-06	1.18E-06	1.21E-06	1.10E-06	5.01E-07	4.73E-07	2.26E-08	5.46E-07	1.20E-07	1.65E-07	2.61E-07	4.60E-08	3.12E-08	1.19E-06	6.17E-07	2.62E-07	3.08E-07	1.21E-07	6.17E-07	2.62E-07
4018	482863.09	3854377.25	3.00E-02	3.08E-02	2.90E-02	1.04E-05	3.14E-05	1.82E-05	1.86E-05	1.69E-05	7.70E-06	7.26E-06	3.47E-07	8.39E-06	1.85E-06	2.53E-06	4.01E-06	7.07E-07	4.79E-07	1.83E-05	9.48E-06	4.02E-06	4.73E-06	1.86E-06	9.48E-06	4.02E-06
4019	483363.09	3854377.25	5.21E-03	5.33E-03	5.03E-03	1.80E-06	5.44E-06	3.15E-06	3.23E-06	2.93E-06	1.33E-06	1.26E-06	6.02E-08	1.45E-06	3.21E-07	4.38E-07	6.95E-07	1.22E-07	8.30E-08	3.17E-06	1.64E-06	6.97E-07	8.20E-07	3.22E-07	1.64E-06	6.97E-07
4020	483863.09	3854377.25	2.42E-03	2.47E-03	2.33E-03	8.36E-07	2.53E-06	1.46E-06	1.50E-06	1.36E-06	6.19E-07	5.84E-07	2.79E-08	6.75E-07	1.49E-07	2.03E-07	3.22E-07	5.68E-08	3.85E-08	1.47E-06	7.63E-07	3.24E-07	3.81E-07	1.50E-07	7.63E-07	3.24E-07
4021	484363.09	3854377.25	1.57E-03	1.61E-03	1.52E-03	5.45E-07	1.64E-06	9.52E-07	9.75E-07	8.84E-07	4.03E-07	3.80E-07	1.82E-08	4.39E-07	9.69E-08	1.32E-07	2.10E-07	3.70E-08	2.51E-08	9.59E-07	4.97E-07	2.11E-07	2.48E-07	9.74E-08	4.97E-07	2.11E-07
4022	484863.09	3854377.25	1.17E-03	1.19E-03	1.13E-03	4.04E-07	1.22E-06	7.05E-07	7.23E-07	6.55E-07	2.99E-07	2.82E-07	1.35E-08	3.26E-07	7.18E-08	9.81E-08	1.56E-07	2.74E-08	1.86E-08	7.11E-07	3.68E-07	1.56E-07	1.84E-07	7.22E-08	3.68E-07	1.56E-07
4023	485363.09	3854377.25	1.11E-03	1.13E-03	1.07E-03	3.83E-07	1.16E-06	6.70E-07	6.86E-07	6.22E-07	2.84E-07	2.68E-07	1.28E-08	3.09E-07	6.82E-08	9.31E-08	1.48E-07	2.60E-08	1.77E-08	6.75E-07	3.49E-07	1.48E-07	1.74E-07	6.85E-08	3.49E-07	1.48E-07
4024	485863.09	3854377.25	9.19E-04	9.42E-04	8.88E-04	3.18E-07	9.61E-07	5.56E-07	5.70E-07	5.17E-07	2.36E-07	2.22E-07	1.06E-08	2.57E-07	5.67E-08	7.74E-08	1.23E-07	2.16E-08	1.47E-08	5.60E-07	2.90E-07	1.23E-07	1.45E-07	5.69E-08	2.90E-07	1.23E-07
4025	486363.09	3854377.25	8.53E-04	8.74E-04	8.24E-04	2.95E-07	8.92E-07	5.16E-07	5.29E-07	4.79E-07	2.19E-07	2.06E-07	9.86E-09	2.38E-07	5.26E-08	7.18E-08	1.14E-07	2.01E-08	1.36E-08	5.20E-07	2.69E-07	1.14E-07	1.34E-07	5.28E-08	2.69E-07	1.14E-07
4026	486863.09	3854377.25	7.76E-04	7.95E-04	7.50E-04	2.69E-07	8.11E-07	4.70E-07	4.81E-07	4.36E-07	1.99E-07	1.88E-07	8.97E-09	2.17E-07	4.78E-08	6.53E-08	1.04E-07	1.83E-08	1.24E-08	4.73E-07	2.45E-07	1.04E-07	1.22E-07	4.80E-08	2.45E-07	1.04E-07
4027	487363.09	3854377.25	7.59E-04	7.77E-04	7.33E-04	2.63E-07	7.93E-07	4.59E-07	4.70E-07	4.26E-07	1.94E-07	1.83E-07	8.77E-09	2.12E-07	4.67E-08	6.38E-08	1.01E-07	1.78E-08	1.21E-08	4.62E-07	2.39E-07	1.02E-07	1.20E-07	4.69E-08	2.39E-07	1.02E-07
4028	487863.09	3854377.25	7.72E-04	7.91E-04	7.46E-04	2.67E-07	8.07E-07	4.67E-07	4.78E-07	4.34E-07	1.98E-07	1.87E-07	8.92E-09	2.16E-07	4.76E-08	6.49E-08	1.03E-07	1.82E-08	1.23E-08	4.70E-07	2.44E-07	1.03E-07	1.22E-07	4.78E-08	2.44E-07	1.03E-07
4029	488363.09	3854377.25	7.67E-04	7.86E-04	7.41E-04	2.66E-07	8.02E-07	4.64E-07	4.76E-07	4.31E-07	1.97E-07	1.86E-07	8.87E-09	2.14E-07	4.73E-08	6.46E-08	1.02E-07	1.81E-08	1.22E-08	4.68E-07	2.42E-07	1.03E-07	1.21E-07	4.75E-08	2.42E-07	1.03E-07
4030	488863.09	3854377.25	7.54E-04	7.72E-04	7.29E-04	2.61E-07	7.88E-07	4.56E-07	4.67E-07	4.24E-07	1.93E-07	1.82E-07	8.72E-09	2.11E-07	4.65E-08	6.35E-08	1.01E-07	1.77E-08	1.20E-08	4.60E-07	2.38E-07	1.01E-07	1.19E-07	4.67E-08	2.38E-07	1.01E-07
4031	489363.09	3854377.25	7.36E-04	7.54E-04	7.11E-04	2.55E-07	7.70E-07	4.46E-07	4.56E-07	4.14E-07	1.89E-07	1.78E-07	8.51E-09	2.06E-07	4.54E-08	6.20E-08	9.83E-08	1.73E-08	1.17E-08	4.49E-07	2.32E-07	9.86E-08	1.16E-07	4.56E-08	2.32E-07	9.86E-08
4032	489863.09	3854377.25	7.13E-04	7.30E-04	6.89E-04	2.47E-07	7.45E-07	4.31E-07	4.42E-07	4.00E-07	1.83E-07	1.72E-07	8.24E-09	1.99E-07	4.39E-08	6.00E-08	9.52E-08	1.68E-08	1.14E-08	4.34E-07	2.25E-07	9.55E-08	1.12E-07	4.41E-08	2.25E-07	9.55E-08
4033	490363.09	3854377.25	6.88E-04	7.04E-04	6.64E-04	2.38E-07	7.19E-07	4.16E-07	4.26E-07	3.86E-07	1.76E-07	1.66E-07	7.95E-09	1.92E-07	4.24E-08	5.79E-08	9.18E-08	1.62E-08	1.10E-08	4.19E-07	2.17E-07	9.21E-08	1.08E-07	4.26E-08	2.17E-07	9.21E-08
4034	490863.09	3854377.25	6.21E-04	6.36E-04	6.00E-04	2.15E-07	6.49E-07	3.76E-07	3.85E-07	3.49E-07	1.59E-07	1.50E-07	7.18E-09	1.73E-07	3.83E-08	5.23E-08	8.29E-08	1.46E-08	9.91E-09	3.79E-07	1.96E-07	8.32E-08	9.79E-08	3.85E-08	1.96E-07	8.32E-08
4035	491363.09	3854377.25	6.36E-04	6.52E-04	6.15E-04	2.20E-07	6.65E-07	3.85E-07	3.94E-07	3.57E-07	1.63E-07	1.54E-07	7.35E-09	1.78E-07	3.92E-08	5.35E-08	8.49E-08	1.50E-08	1.01E-08	3.88E-07	2.01E-07	8.52E-08	1.00E-07	3.94E-08	2.01E-07	8.52E-08
4036	491863.09	3854377.25	6.43E-04	6.59E-04	6.22E-04	2.23E-07	6.73E-07	3.89E-07	3.99E-07	3.61E-07	1.65E-07	1.56E-07	7.44E-09	1.80E-07	3.96E-08	5.41E-08	8.59E-08	1.51E-08	1.03E-08	3.92E-07	2.03E-07	8.62E-08	1.01E-07	3.98E-08	2.03E-07	8.62E-08
4037	492363.09	3854377.25	6.38E-04	6.53E-04	6.16E-04	2.21E-07	6.66E-07	3.86E-07	3.95E-07	3.58E-07	1.63E-07	1.54E-07	7.37E-09	1.78E-07	3.93E-08	5.36E-08	8.51E-08	1.50E-08	1.02E-08	3.89E-07	2.01E-07	8.54E-08	1.00E-07	3.95E-08	2.01E-07	8.54E-08
4038	492863.09	3854377.25	6.23E-04	6.38E-04	6.02E-04	2.16E-07	6.51E-07	3.77E-07	3.86E-07	3.50E-07	1.60E-07	1.51E-07	7.20E-09	1.74E-07	3.84E-08	5.24E-08	8.31E-08	1.47E-08	9.93E-09	3.80E-07	1.97E-07	8.34E-08	9.81E-08	3.85E-08	1.97E-07	8.34E-08
4039	493363.09	3854377.25	6.04E-04	6.18E-04	5.83E-04	2.09E-07	6.31E-07	3.65E-07	3.74E-07	3.39E-07	1.55E-07	1.46E-07	6.98E-09	1.69E-07	3.72E-08	5.08E-08	8.06E-08	1.42E-08	9.63E-09	3.68E-07	1.91E-07	8.08E-08	9.51E-08	3.74E-08	1.91E-07	8.08E-08
4040	493863.09	3854377.25	5.84E-04	5.99E-04	5.65E-04	2.02E-07	6.11E-07	3.54E-07	3.62E-07	3.28E-07	1.50E-07	1.41E-07	6.76E-09	1.63E-07	3.60E-08	4.92E-08	7.80E-08	1.37E-08	9.32E-09	3.56E-07	1.84E-07	7.83E-08	9.21E-08	3.62E-08	1.84E-07	7.83E-08
4041	494363.09	3854377.25	5.65E-04	5.79E-04	5.46E-04	1.96E-07	5.91E-07	3.42E-07	3.50E-07	3.18E-07	1.45E-07	1.37E-07	6.53E-09	1.58E-07	3.48E-08	4.76E-08	7.55E-08	1.33E-08	9.02E-09	3.45E-07	1.78E-07	7.57E-08	8.90E-08	3.50E-08	1.78E-07	7.57E-08
4042	494863.09	3854377.25	5.17E-04	5.29E-04	4.99E-04	1.79E-07	5.40E-07	3.13E-07	3.20E-07	2.90E-07	1.32E-07	1.25E-07	5.97E-09	1.44E-07	3.18E-08	4.35E-08	6.89E-08	1.22E-08	8.24E-09	3.15E-07	1.63E-07	6.92E-08	8.14E-08	3.20E-08	1.63E-07	6.92E-08
4043	495363.09	3854377.25	4.63E-04	4.75E-04	4.48E-04	1.60E-07	4.84E-07	2.80E-07	2.87E-07	2.60E-07	1.19E-07	1.12E-07	5.36E-09	1.29E-07	2.86E-08	3.90E-08	6.19E-08	1.09E-08	7.39E-09	2.82E-07	1.46E-07	6.21E-08	7.30E-08	2.87E-08	1.46E-07	6.21E-08
4044	495863.09	3854377.25	4.29E-04	4.40E-04	4.15E-04	1.49E-07	4.49E-07	2.60E-07	2.66E-07	2.41E-07	1.10E-07	1.04E-07	4.96E-09	1.20E-07	2.65E-08	3.61E-08	5.73E-08	1.01E-08	6.85E-09	2.62E-07	1.36E-07	5.75E-08	6.77E-08	2.66E-08	1.36E-07	5.75E-08
4045	496363.09	3854377.25	4.12E-04	4.22E-04	3.98E-04	1.43E-07	4.30E-07	2.49E-07	2.55E-07	2.31E-07	1.06E-07	9.96E-08	4.76E-09	1.15E-07	2.54E-08	3.46E-08	5.50E-08	9.69E-09	6.57E-09	2.51E-07	1.30E-07	5.51E-08	6.49E-08	2.55E-08	1.30E-07	5.51E-08
4046	496863.09	3854377.25	3.91E-04	4.01E-04	3.78E-04	1.35E-07	4.09E-07	2.37E-07	2.42E-07	2.20E-07	1.00E-07	9.46E-08	4.52E-09	1.09E-07	2.41E-08	3.29E-08	5.22E-08	9.20E-09	6.24E-09	2.38E-07	1.23E-07	5.24E-08	6.16E-08	2.42E-08	1.23E-07	5.24E-08
4047	497363.09	3854377.25	3.57E-04	3.66E-04	3.45E-04	1.24E-07	3.73E-07	2.16E-07	2.21E-07	2.01E-07	9.16E-08	8.64E-08	4.13E-09	9.97E-08	2.20E-08	3.01E-08	4.77E-08	8.40E-09	5.70E-09	2.18E-07	1.13E-07	4.78E-08	5.63E-08	2.21E-08	1.13E-07	4.78E-08
4048	497863.09	3854377.25	3.60E-04	3.69E-04	3.48E-04	1.25E-07	3.76E-07	2.18E-07	2.23E-07	2.02E-07	9.23E-08	8.71E-08	4.16E-09	1.01E-07	2.22E-08	3.03E-08	4.81E-08	8.47E-09	5.74E-09	2.19E-07	1.14E-07	4.82E-08	5.67E-08	2.23E-08	1.14E-07	4.82E-08
4049	498363.09	3854377.25	3.41E-04	3.49E-04	3.29E-04	1.18E-07	3.56E-07	2.06E-07	2.11E-07	1.92E-07	8.74E-08	8.24E-08	3.94E-09	9.52E-08	2.10E-08	2.87E-08	4.55E-08	8.02E-09	5.44E-09	2.08E-07	1.08E-07	4.57E-08	5.37E-08	2.11E-08	1.08E-07	4.57E-08
4050	471363.09	3854877.25	2.13E-04	2.18E-04	2.05E-04	7.36E-08	2.22E-07	1.29E-07	1.32E-07	1.19E-07	5.45E-08	5.14E-08	2.46E-09	5.93E-08	1.31E-08	1.79E-08	2.84E-08	5.00E-09	3.39E-09	1.30E-07	6.71E-08	2.85E-08	3.35E-08	1.32E-08	6.71E-08	2.85E-08
4051	471863.09	3854877.25	2.20E-04	2.25E-04	2.12E-04	7.61E-08	2.30E-07	1.33E-07	1.36E-07	1.24E-07	5.64E-08	5.32E-08	2.54E-09	6.14E-08	1.35E-08	1.85E-08	2.94E-08	5.17E-09	3.51E-09	1.34E-07	6.94E-08	2.94E-08	3.46E-08	1.36E-08	6.94E-08	2.94E-08
4052	472363.09	3854877.25	2.26E-04	2.31E-04	2.18E-04	7.82E-08	2.36E-07	1.37E-07	1.40E-07	1.27E-07	5.79E-08	5.46E-08	2.61E-09	6.31E-08	1.39E-08	1.90E-08	3.01E-08	5.31E-09	3.60E-09	1.38E-07	7.13E-08	3.02E-08	3.56E-08	1.40E-08	7.13E-08	3.02E-08
4053	472863.09	3854877.25	2.27E-04	2.33E-04	2.20E-04	7.87E-08	2.38E-07	1.38E-07	1.41E-07	1.28E-07	5.83E-08	5.50E-08	2.63E-09	6.35E-08	1.40E-08	1.91E-08	3.03E-08	5.35E-09	3.62E-09	1.39E-07	7.17E-08	3.04E-08	3.58E-08	1.41E-08	7.17E-08	3.04E-08
4054	473363.09	3854877.25	2.36E-04	2.42E-04	2.28E-04	8.17E-08	2.47E-07	1.43E-07	1.46E-07	1.33E-07	6.05E-08	5.71E-08	2.73E-09	6.59E-08	1.45E-08	1.99E-08	3.15E-08	5.56E-09	3.77E-09	1.44E-07	7.45E-08	3.16E-08	3.72E-08	1.46E-08	7.45E-08	3.16E-08
4055	473863.09	3854877.25	2.45E-04	2.51E-04	2.37E-04	8.48E-08	2.56E-07	1.48E-07	1.52E-07	1.38E-07	6.28E-08	5.92E-08	2.83E-09	6.84E-08	1.51E-08	2.06E-08	3.27E-08	5.76E-09	3.91E-09	1.49E-07	7.73E-08	3.28E-08	3.86E-08	1.52E-08	7.73E-08	3.28E-08
4056	474363.09	3854877.25	2.57E-04	2.63E-04	2.48E-04	8.89E-08	2.68E-07	1.55E-07	1.59E-07	1.44E-07	6.58E-08	6.21E-08	2.97E-09	7.17E-08	1.58E-08	2.16E-08	3.43E-08	6.04E-09	4.10E-09	1.57E-07	8.11E-08	3.44E-08	4.05E-08	1.59E-08	8.11E-08	3.44E-08
4057	474863.09	3854877.25	2.39E-04	2.45E-04	2.31E-04	8.28E-08	2.50E-07	1.45E-07	1.48E-07	1.34E-07	6.13E-08	5.78E-08	2.76E-09	6.68E-08	1.47E-08	2.01E-08	3.19E-08	5.62E-09	3.81E-09	1.46E-07	7.55E-08	3.20E-08	3.77E-08	1.48E-08	7.55E-08	3.20E-08
4058	475363.09	3854877.25	2.21E-04	2.27E-04	2.14E-04	7.66E-08	2.31E-07	1.34E-07	1.37E-07	1.24E-07	5.67E-08	5.35E-08	2.56E-09	6.18E-08	1.36E-08	1.86E-08	2.95E-08	5.21E-09	3.53E-09	1.35E-07	6.99E-08	2.96E-08	3.49E-08	1.37E-08	6.99E-08	2.96E-08
4059	475863.09	3854877.25	2.08E-04	2.13E-04	2.01E-04	7.20E-08	2.18E-07	1.26E-07	1.29E-07	1.17E-07	5.33E-08	5.03E-08	2.41E-09	5.81E-08	1.28E-08	1.75E-08	2.78E-08	4.90E-09	3.32E-09	1.27E-07	6.57E-08	2.79E-08	3.28E-08	1.29E-08	6.57E-08	2.79E-08
4060	476363.09	3854877.25	1.92E-04	1.97E-04	1.85E-04	6.64E-08	2.01E-07	1.16E-07	1.19E-07	1.08E-07	4.92E-08	4.64E-08	2.22E-09	5.36E-08	1.18E-08	1.61E-08	2.56E-08	4.51E-09	3.06E-09	1.17E-07	6.06E-08	2.57E-08	3.02E-08	1.19E-08	6.06E-08	2.57E-08
4061	476863.09	3854877.25	1.95E-04	2.00E-04	1.88E-04	6.74E-08	2.04E-07	1.18E-07	1.21E-07	1.09E-07	4.99E-08	4.71E-08	2.25E-09	5.44E-08	1.20E-08	1.64E-08	2.60E-08	4.58E-09	3.11E-09	1.19E-07	6.15E-08	2.61E-08	3.07E-08	1.21E-08	6.15E-08	2.61E-08
4062	477363.09	3854877.25	2.13E-04	2.18E-04	2.05E-04	7.36E-08	2.22E-07	1.29E-07	1.32E-07	1.19E-07	5.45E-08	5.14E-08	2.46E-09	5.93E-08	1.31E-08	1.79E-08	2.84E-08	5.00E-09	3.39E-09	1.30E-07	6.71E-08	2.85E-08	3.35E-08	1.32E-08	6.71E-08	2.85E-08
4063	477863.09	3854877.25	2.30E-04	2.36E-04	2.22E-04	7.97E-08	2.41E-07	1.39E-07	1.43E-07	1.29E-07	5.90E-08	5.57E-08	2.66E-09	6.43E-08	1.42E-08	1.94E-08	3.07E-08	5.42E-09	3.67E-09	1.40E-07	7.27E-08	3.08E-08	3.63E-08	1.42E-08	7.27E-08	3.08E-08
4064	478363.09	3854877.25	2.60E-04	2.66E-04	2.51E-04	8.99E-08	2.71E-07	1.57E-07	1.61E-07	1.46E-07	6.66E-08	6.28E-08	3.00E-09	7.25E-08	1.60E-08	2.19E-08	3.47E-08	6.11E-09	4.14E-09	1.58E-07	8.20E-08	3.48E-08	4.09E-08	1.61E-08	8.20E-08	3.48E-08
4065	478863.09	3854877.25	2.98E-04	3.05E-04	2.88E-04	1.03E-07	3.12E-07	1.80E-07	1.85E-07	1.67E-07	7.64E-08	7.21E-08	3.45E-09	8.32E-08	1.84E-08	2.51E-08	3.98E-08	7.01E-09	4.75E-09	1.82E-07	9.41E-08	3.99E-08	4.70E-08	1.85E-08	9.41E-08	3.99E-08
4066	479363.09	3854877.25	3.38E-04	3.46E-04	3.27E-04	1.17E-07	3.53E-07	2.04E-07	2.09E-07	1.90E-07	8.66E-08	8.17E-08	3.91E-09	9.44E-08	2.08E-08	2.84E-08	4.51E-08	7.95E-09	5.39E-09	2.06E-07	1.07E-07	4.53E-08	5.32E-08	2.09E-08	1.07E-07	4.53E-08
4067	479863.09	3854877.25	3.84E-04	3.93E-04	3.71E-04	1.33E-07	4.01E-07	2.32E-07	2.38E-07	2.16E-07	9.84E-08	9.28E-08	4.44E-09	1.07E-07	2.36E-08	3.23E-08	5.12E-08	9.03E-09	6.12E-09	2.34E-07	1.21E-07	5.14E-08	6.05E-08	2.37E-08	1.21E-07	5.14E-08
4068	480363.09	3854877.25	4.28E-04	4.38E-04	4.13E-04	1.48E-07	4.47E-07	2.59E-07	2.65E-07	2.40E-07	1.10E-07	1.03E-07	4.95E-09	1.20E-07	2.64E-08	3.60E-08	5.71E-08	1.01E-08	6.83E-09	2.61E-07	1.35E-07	5.73E-08	6.74E-08	2.65E-08	1.35E-07	5.73E-08
4069	480863.09	3854877.25	5.27E-04	5.40E-04	5.09E-04	1.82E-07	5.51E-07	3.19E-07	3.27E-07	2.96E-07	1.35E-07	1.27E-07	6.09E-09	1.47E-07	3.25E-08	4.43E-08	7.03E-08	1.24E-08	8.40E-09	3.21E-07	1.66E-07	7.06E-08	8.30E-08	3.26E-08	1.66E-07	7.06E-08
4070	481363.09	3854877.25	6.49E-04	6.65E-04	6.27E-04	2.25E-07	6.79E-07	3.93E-07	4.02E-07	3.65E-07	1.66E-07	1.57E-07	7.51E-09	1.81E-07	4.00E-08	5.46E-08	8.67E-08	1.53E-08	1.04E-08	3.96E-07	2.05E-07	8.70E-08	1.02E-07	4.02E-08	2.05E-07	8.70E-08
4071	481863.09	3854877.25	7.44E-04	7.62E-04	7.19E-04	2.57E-07	7.77E-07	4.50E-07	4.61E-07	4.18E-07	1.91E-07	1.80E-07	8.60E-09	2.08E-07	4.58E-08	6.26E-08	9.93E-08	1.75E-08	1.19E-08	4.53E-07	2.35E-07	9.96E-08	1.17E-07	4.60E-08	2.35E-07	9.96E-08
4072	482363.09	3854877.25	1.48E-03	1.51E-03	1.43E-03	5.11E-07	1.54E-06	8.93E-07	9.15E-07	8.29E-07	3.78E-07	3.57E-07	1.71E-08	4.12E-07	9.09E-08	1.24E-07	1.97E-07	3.47E-08	2.35E-08	9.00E-07	4.66E-07	1.98E-07	2.33E-07	9.13E-08	4.66E-07	1.98E-07
4073	482863.09	3854877.25	3.57E-03	3.66E-03	3.45E-03	1.24E-06	3.73E-06	2.16E-06	2.21E-06	2.01E-06	9.16E-07	8.64E-07	4.13E-08	9.97E-07	2.20E-07	3.01E-07	4.77E-07	8.40E-08	5.70E-08	2.18E-06	1.13E-06	4.78E-07	5.63E-07	2.21E-07	1.13E-06	4.78E-07
4074	483363.09	3854877.25	1.72E-02	1.76E-02	1.66E-02	5.96E-06	1.80E-05	1.04E-05	1.07E-05	9.67E-06	4.41E-06	4.16E-06	1.99E-07	4.80E-06	1.06E-06	1.45E-06	2.30E-06	4.05E-07	2.74E-07	1.05E-05	5.43E-06	2.30E-06	2.71E-06	1.06E-06	5.43E-06	2.30E-06

4075	483863.09	3854877.25	4.23E-03	4.34E-03	4.09E-03	1.47E-06	4.42E-06	2.56E-06	2.62E-06	2.38E-06	1.09E-06	1.02E-06	4.89E-08	1.18E-06	2.61E-07	3.56E-07	5.65E-07	9.96E-08	6.75E-08	2.58E-06	1.34E-06	5.67E-07	6.67E-07	2.62E-07	1.34E-06	5.67E-07
4076	484363.09	3854877.25	2.29E-03	2.34E-03	2.21E-03	7.92E-07	2.39E-06	1.38E-06	1.42E-06	1.29E-06	5.86E-07	5.53E-07	2.64E-08	6.39E-07	1.41E-07	1.92E-07	3.05E-07	5.38E-08	3.65E-08	1.39E-06	7.22E-07	3.06E-07	3.60E-07	1.42E-07	7.22E-07	3.06E-07
4077	484863.09	3854877.25	1.71E-03	1.75E-03	1.65E-03	5.91E-07	1.78E-06	1.03E-06	1.06E-06	9.59E-07	4.38E-07	4.13E-07	1.97E-08	4.77E-07	1.05E-07	1.44E-07	2.28E-07	4.02E-08	2.72E-08	1.04E-06	5.39E-07	2.29E-07	2.69E-07	1.06E-07	5.39E-07	2.29E-07
4078	485363.09	3854877.25	1.39E-03	1.42E-03	1.34E-03	4.80E-07	1.45E-06	8.39E-07	8.60E-07	7.79E-07	3.56E-07	3.35E-07	1.60E-08	3.87E-07	8.55E-08	1.17E-07	1.85E-07	3.26E-08	2.21E-08	8.46E-07	4.38E-07	1.86E-07	2.19E-07	8.59E-08	4.38E-07	1.86E-07
4079	485863.09	3854877.25	1.18E-03	1.21E-03	1.14E-03	4.10E-07	1.24E-06	7.16E-07	7.34E-07	6.65E-07	3.03E-07	2.86E-07	1.37E-08	3.30E-07	7.29E-08	9.96E-08	1.58E-07	2.78E-08	1.89E-08	7.21E-07	3.74E-07	1.59E-07	1.86E-07	7.33E-08	3.74E-07	1.59E-07
4080	486363.09	3854877.25	1.04E-03	1.06E-03	1.00E-03	3.59E-07	1.08E-06	6.27E-07	6.42E-07	5.82E-07	2.66E-07	2.51E-07	1.20E-08	2.89E-07	6.38E-08	8.72E-08	1.38E-07	2.44E-08	1.65E-08	6.31E-07	3.27E-07	1.39E-07	1.63E-07	6.41E-08	3.27E-07	1.39E-07
4081	486863.09	3854877.25	9.34E-04	9.57E-04	9.03E-04	3.23E-07	9.76E-07	5.65E-07	5.79E-07	5.25E-07	2.39E-07	2.26E-07	1.08E-08	2.61E-07	5.76E-08	7.86E-08	1.25E-07	2.20E-08	1.49E-08	5.69E-07	2.95E-07	1.25E-07	1.47E-07	5.78E-08	2.95E-07	1.25E-07
4082	487363.09	3854877.25	8.80E-04	9.01E-04	8.50E-04	3.04E-07	9.19E-07	5.32E-07	5.45E-07	4.94E-07	2.25E-07	2.13E-07	1.02E-08	2.46E-07	5.42E-08	7.40E-08	1.17E-07	2.07E-08	1.40E-08	5.36E-07	2.78E-07	1.18E-07	1.39E-07	5.44E-08	2.78E-07	1.18E-07
4083	487863.09	3854877.25	8.43E-04	8.63E-04	8.14E-04	2.92E-07	8.81E-07	5.10E-07	5.22E-07	4.73E-07	2.16E-07	2.04E-07	9.74E-09	2.35E-07	5.19E-08	7.09E-08	1.12E-07	1.98E-08	1.34E-08	5.14E-07	2.66E-07	1.13E-07	1.33E-07	5.22E-08	2.66E-07	1.13E-07
4084	488363.09	3854877.25	8.28E-04	8.48E-04	8.00E-04	2.87E-07	8.65E-07	5.01E-07	5.13E-07	4.65E-07	2.12E-07	2.00E-07	9.57E-09	2.31E-07	5.10E-08	6.97E-08	1.11E-07	1.95E-08	1.32E-08	5.05E-07	2.61E-07	1.11E-07	1.30E-07	5.12E-08	2.61E-07	1.11E-07
4085	488863.09	3854877.25	8.26E-04	8.47E-04	7.98E-04	2.86E-07	8.64E-07	5.00E-07	5.12E-07	4.64E-07	2.12E-07	2.00E-07	9.55E-09	2.31E-07	5.09E-08	6.95E-08	1.10E-07	1.94E-08	1.32E-08	5.04E-07	2.61E-07	1.11E-07	1.30E-07	5.12E-08	2.61E-07	1.11E-07
4086	489363.09	3854877.25	8.09E-04	8.28E-04	7.81E-04	2.80E-07	8.45E-07	4.89E-07	5.01E-07	4.54E-07	2.07E-07	1.96E-07	9.35E-09	2.26E-07	4.98E-08	6.81E-08	1.08E-07	1.90E-08	1.29E-08	4.93E-07	2.55E-07	1.08E-07	1.27E-07	5.01E-08	2.55E-07	1.08E-07
4087	489863.09	3854877.25	7.67E-04	7.86E-04	7.41E-04	2.66E-07	8.02E-07	4.64E-07	4.76E-07	4.31E-07	1.97E-07	1.86E-07	8.87E-09	2.14E-07	4.73E-08	6.46E-08	1.02E-07	1.81E-08	1.22E-08	4.68E-07	2.42E-07	1.03E-07	1.21E-07	4.75E-08	2.42E-07	1.03E-07
4088	490363.09	3854877.25	6.64E-04	6.80E-04	6.42E-04	2.30E-07	6.94E-07	4.02E-07	4.12E-07	3.73E-07	1.70E-07	1.61E-07	7.68E-09	1.85E-07	4.09E-08	5.59E-08	8.86E-08	1.56E-08	1.06E-08	4.05E-07	2.10E-07	8.89E-08	1.05E-07	4.11E-08	2.10E-07	8.89E-08
4089	490863.09	3854877.25	5.70E-04	5.83E-04	5.50E-04	1.97E-07	5.95E-07	3.45E-07	3.53E-07	3.20E-07	1.46E-07	1.38E-07	6.59E-09	1.59E-07	3.51E-08	4.79E-08	7.60E-08	1.34E-08	9.09E-09	3.47E-07	1.80E-07	7.63E-08	8.97E-08	3.53E-08	1.80E-07	7.63E-08
4090	491363.09	3854877.25	5.83E-04	5.97E-04	5.63E-04	2.02E-07	6.09E-07	3.53E-07	3.61E-07	3.28E-07	1.49E-07	1.41E-07	6.74E-09	1.63E-07	3.59E-08	4.91E-08	7.78E-08	1.37E-08	9.30E-09	3.55E-07	1.84E-07	7.81E-08	9.18E-08	3.61E-08	1.84E-07	7.81E-08
4091	491863.09	3854877.25	6.82E-04	6.98E-04	6.59E-04	2.36E-07	7.13E-07	4.13E-07	4.23E-07	3.83E-07	1.75E-07	1.65E-07	7.88E-09	1.90E-07	4.20E-08	5.74E-08	9.10E-08	1.60E-08	1.09E-08	4.16E-07	2.15E-07	9.13E-08	1.07E-07	4.22E-08	2.15E-07	9.13E-08
4092	492363.09	3854877.25	6.77E-04	6.94E-04	6.54E-04	2.35E-07	7.08E-07	4.10E-07	4.20E-07	3.81E-07	1.74E-07	1.64E-07	7.83E-09	1.89E-07	4.17E-08	5.70E-08	9.04E-08	1.59E-08	1.08E-08	4.13E-07	2.14E-07	9.07E-08	1.07E-07	4.19E-08	2.14E-07	9.07E-08
4093	492863.09	3854877.25	6.55E-04	6.71E-04	6.33E-04	2.27E-07	6.85E-07	3.96E-07	4.06E-07	3.68E-07	1.68E-07	1.58E-07	7.57E-09	1.83E-07	4.04E-08	5.51E-08	8.75E-08	1.54E-08	1.05E-08	3.99E-07	2.07E-07	8.78E-08	1.03E-07	4.06E-08	2.07E-07	8.78E-08
4094	493363.09	3854877.25	6.27E-04	6.42E-04	6.06E-04	2.17E-07	6.56E-07	3.80E-07	3.89E-07	3.52E-07	1.61E-07	1.52E-07	7.25E-09	1.75E-07	3.86E-08	5.28E-08	8.37E-08	1.48E-08	1.00E-08	3.82E-07	1.98E-07	8.40E-08	9.88E-08	3.88E-08	1.98E-07	8.40E-08
4095	493863.09	3854877.25	6.05E-04	6.20E-04	5.85E-04	2.09E-07	6.32E-07	3.66E-07	3.75E-07	3.40E-07	1.55E-07	1.46E-07	6.99E-09	1.69E-07	3.73E-08	5.09E-08	8.08E-08	1.42E-08	9.65E-09	3.69E-07	1.91E-07	8.10E-08	9.53E-08	3.74E-08	1.91E-07	8.10E-08
4096	494363.09	3854877.25	5.36E-04	5.49E-04	5.18E-04	1.85E-07	5.60E-07	3.24E-07	3.32E-07	3.01E-07	1.37E-07	1.30E-07	6.19E-09	1.50E-07	3.30E-08	4.51E-08	7.15E-08	1.26E-08	8.54E-09	3.27E-07	1.69E-07	7.17E-08	8.44E-08	3.32E-08	1.69E-07	7.17E-08
4097	494863.09	3854877.25	4.68E-04	4.79E-04	4.52E-04	1.62E-07	4.89E-07	2.83E-07	2.90E-07	2.63E-07	1.20E-07	1.13E-07	5.41E-09	1.31E-07	2.88E-08	3.94E-08	6.24E-08	1.10E-08	7.46E-09	2.85E-07	1.48E-07	6.27E-08	7.37E-08	2.90E-08	1.48E-07	6.27E-08
4098	495363.09	3854877.25	4.25E-04	4.35E-04	4.11E-04	1.47E-07	4.44E-07	2.57E-07	2.63E-07	2.39E-07	1.09E-07	1.03E-07	4.91E-09	1.19E-07	2.62E-08	3.58E-08	5.67E-08	1.00E-08	6.78E-09	2.59E-07	1.34E-07	5.69E-08	6.70E-08	2.63E-08	1.34E-07	5.69E-08
4099	495863.09	3854877.25	4.01E-04	4.11E-04	3.88E-04	1.39E-07	4.20E-07	2.43E-07	2.49E-07	2.26E-07	1.03E-07	9.71E-08	4.64E-09	1.12E-07	2.47E-08	3.38E-08	5.36E-08	9.44E-09	6.40E-09	2.45E-07	1.27E-07	5.38E-08	6.32E-08	2.48E-08	1.27E-07	5.38E-08
4100	496363.09	3854877.25	3.69E-04	3.78E-04	3.56E-04	1.28E-07	3.86E-07	2.23E-07	2.29E-07	2.07E-07	9.46E-08	8.92E-08	4.27E-09	1.03E-07	2.27E-08	3.10E-08	4.92E-08	8.68E-09	5.88E-09	2.25E-07	1.16E-07	4.94E-08	5.81E-08	2.28E-08	1.16E-07	4.94E-08
4101	496863.09	3854877.25	3.48E-04	3.57E-04	3.36E-04	1.21E-07	3.64E-07	2.11E-07	2.16E-07	1.96E-07	8.93E-08	8.42E-08	4.03E-09	9.73E-08	2.15E-08	2.93E-08	4.65E-08	8.19E-09	5.56E-09	2.12E-07	1.10E-07	4.66E-08	5.49E-08	2.16E-08	1.10E-07	4.66E-08
4102	497363.09	3854877.25	3.42E-04	3.51E-04	3.31E-04	1.19E-07	3.58E-07	2.07E-07	2.12E-07	1.92E-07	8.78E-08	8.28E-08	3.96E-09	9.56E-08	2.11E-08	2.88E-08	4.57E-08	8.05E-09	5.46E-09	2.09E-07	1.08E-07	4.59E-08	5.39E-08	2.12E-08	1.08E-07	4.59E-08
4103	497863.09	3854877.25	3.54E-04	3.63E-04	3.42E-04	1.23E-07	3.70E-07	2.14E-07	2.20E-07	1.99E-07	9.08E-08	8.56E-08	4.09E-09	9.89E-08	2.18E-08	2.98E-08	4.73E-08	8.33E-09	5.65E-09	2.16E-07	1.12E-07	4.74E-08	5.58E-08	2.19E-08	1.12E-07	4.74E-08
4104	498363.09	3854877.25	3.50E-04	3.58E-04	3.38E-04	1.21E-07	3.66E-07	2.12E-07	2.17E-07	1.97E-07	8.97E-08	8.46E-08	4.04E-09	9.77E-08	2.16E-08	2.94E-08	4.67E-08	8.23E-09	5.58E-09	2.13E-07	1.10E-07	4.68E-08	5.51E-08	2.16E-08	1.10E-07	4.68E-08
4105	471363.09	3855377.25	2.08E-04	2.13E-04	2.01E-04	7.20E-08	2.18E-07	1.26E-07	1.29E-07	1.17E-07	5.33E-08	5.03E-08	2.41E-09	5.81E-08	1.28E-08	1.75E-08	2.78E-08	4.90E-09	3.32E-09	1.27E-07	6.57E-08	2.79E-08	3.28E-08	1.29E-08	6.57E-08	2.79E-08
4106	471863.09	3855377.25	2.13E-04	2.18E-04	2.05E-04	7.36E-08	2.22E-07	1.29E-07	1.32E-07	1.19E-07	5.45E-08	5.14E-08	2.46E-09	5.93E-08	1.31E-08	1.79E-08	2.84E-08	5.00E-09	3.39E-09	1.30E-07	6.71E-08	2.85E-08	3.35E-08	1.32E-08	6.71E-08	2.85E-08
4107	472363.09	3855377.25	2.20E-04	2.25E-04	2.12E-04	7.61E-08	2.30E-07	1.33E-07	1.36E-07	1.24E-07	5.64E-08	5.32E-08	2.54E-09	6.14E-08	1.35E-08	1.85E-08	2.94E-08	5.17E-09	3.51E-09	1.34E-07	6.94E-08	2.94E-08	3.46E-08	1.36E-08	6.94E-08	2.94E-08
4108	472863.09	3855377.25	2.23E-04	2.28E-04	2.15E-04	7.71E-08	2.33E-07	1.35E-07	1.38E-07	1.25E-07	5.71E-08	5.39E-08	2.58E-09	6.22E-08	1.37E-08	1.88E-08	2.97E-08	5.24E-09	3.55E-09	1.36E-07	7.03E-08	2.98E-08	3.51E-08	1.38E-08	7.03E-08	2.98E-08
4109	473363.09	3855377.25	2.33E-04	2.39E-04	2.25E-04	8.07E-08	2.44E-07	1.41E-07	1.45E-07	1.31E-07	5.98E-08	5.64E-08	2.70E-09	6.51E-08	1.44E-08	1.96E-08	3.11E-08	5.49E-09	3.72E-09	1.42E-07	7.36E-08	3.12E-08	3.67E-08	1.44E-08	7.36E-08	3.12E-08
4110	473863.09	3855377.25	2.42E-04	2.48E-04	2.34E-04	8.38E-08	2.53E-07	1.46E-07	1.50E-07	1.36E-07	6.20E-08	5.85E-08	2.80E-09	6.76E-08	1.49E-08	2.04E-08	3.23E-08	5.69E-09	3.86E-09	1.48E-07	7.64E-08	3.24E-08	3.81E-08	1.50E-08	7.64E-08	3.24E-08
4111	474363.09	3855377.25	2.49E-04	2.55E-04	2.41E-04	8.63E-08	2.61E-07	1.51E-07	1.55E-07	1.40E-07	6.39E-08	6.03E-08	2.88E-09	6.96E-08	1.54E-08	2.10E-08	3.33E-08	5.87E-09	3.98E-09	1.52E-07	7.87E-08	3.34E-08	3.93E-08	1.54E-08	7.87E-08	3.34E-08
4112	474863.09	3855377.25	2.33E-04	2.39E-04	2.25E-04	8.07E-08	2.44E-07	1.41E-07	1.45E-07	1.31E-07	5.98E-08	5.64E-08	2.70E-09	6.51E-08	1.44E-08	1.96E-08	3.11E-08	5.49E-09	3.72E-09	1.42E-07	7.36E-08	3.12E-08	3.67E-08	1.44E-08	7.36E-08	3.12E-08
4113	475363.09	3855377.25	1.89E-04	1.93E-04	1.83E-04	6.54E-08	1.97E-07	1.14E-07	1.17E-07	1.06E-07	4.84E-08	4.57E-08	2.18E-09	5.27E-08	1.16E-08	1.59E-08	2.52E-08	4.44E-09	3.01E-09	1.15E-07	5.96E-08	2.53E-08	2.98E-08	1.17E-08	5.96E-08	2.53E-08
4114	475863.09	3855377.25	1.82E-04	1.86E-04	1.75E-04	6.28E-08	1.90E-07	1.10E-07	1.13E-07	1.02E-07	4.65E-08	4.39E-08	2.10E-09	5.07E-08	1.12E-08	1.53E-08	2.42E-08	4.27E-09	2.90E-09	1.11E-07	5.73E-08	2.43E-08	2.86E-08	1.12E-08	5.73E-08	2.43E-08
4115	476363.09	3855377.25	1.93E-04	1.98E-04	1.87E-04	6.69E-08	2.02E-07	1.17E-07	1.20E-07	1.09E-07	4.96E-08	4.67E-08	2.23E-09	5.40E-08	1.19E-08	1.63E-08	2.58E-08	4.55E-09	3.08E-09	1.18E-07	6.10E-08	2.59E-08	3.05E-08	1.20E-08	6.10E-08	2.59E-08
4116	476863.09	3855377.25	1.98E-04	2.03E-04	1.91E-04	6.85E-08	2.07E-07	1.20E-07	1.23E-07	1.11E-07	5.07E-08	4.78E-08	2.29E-09	5.52E-08	1.22E-08	1.66E-08	2.64E-08	4.65E-09	3.15E-09	1.21E-07	6.24E-08	2.65E-08	3.12E-08	1.22E-08	6.24E-08	2.65E-08
4117	477363.09	3855377.25	2.08E-04	2.13E-04	2.01E-04	7.20E-08	2.18E-07	1.26E-07	1.29E-07	1.17E-07	5.33E-08	5.03E-08	2.41E-09	5.81E-08	1.28E-08	1.75E-08	2.78E-08	4.90E-09	3.32E-09	1.27E-07	6.57E-08	2.79E-08	3.28E-08	1.29E-08	6.57E-08	2.79E-08
4118	477863.09	3855377.25	2.30E-04	2.36E-04	2.22E-04	7.97E-08	2.41E-07	1.39E-07	1.43E-07	1.29E-07	5.90E-08	5.57E-08	2.66E-09	6.43E-08	1.42E-08	1.94E-08	3.07E-08	5.42E-09	3.67E-09	1.40E-07	7.27E-08	3.08E-08	3.63E-08	1.42E-08	7.27E-08	3.08E-08
4119	478363.09	3855377.25	2.55E-04	2.62E-04	2.47E-04	8.84E-08	2.67E-07	1.54E-07	1.58E-07	1.43E-07	6.54E-08	6.17E-08	2.95E-09	7.13E-08	1.57E-08	2.15E-08	3.41E-08	6.01E-09	4.07E-09	1.56E-07	8.06E-08	3.42E-08	4.02E-08	1.58E-08	8.06E-08	3.42E-08
4120	478863.09	3855377.25	2.83E-04	2.90E-04	2.74E-04	9.81E-08	2.96E-07	1.71E-07	1.76E-07	1.59E-07	7.26E-08	6.85E-08	3.28E-09	7.91E-08	1.75E-08	2.38E-08	3.78E-08	6.67E-09	4.52E-09	1.73E-07	8.94E-08	3.79E-08	4.46E-08	1.75E-08	8.94E-08	3.79E-08
4121	479363.09	3855377.25	3.16E-04	3.23E-04	3.05E-04	1.09E-07	3.30E-07	1.91E-07	1.96E-07	1.77E-07	8.10E-08	7.64E-08	3.65E-09	8.82E-08	1.95E-08	2.66E-08	4.22E-08	7.43E-09	5.04E-09	1.92E-07	9.97E-08	4.23E-08	4.98E-08	1.95E-08	9.97E-08	4.23E-08
4122	479863.09	3855377.25	3.53E-04	3.61E-04	3.41E-04	1.22E-07	3.69E-07	2.13E-07	2.19E-07	1.98E-07	9.04E-08	8.53E-08	4.08E-09	9.85E-08	2.17E-08	2.97E-08	4.71E-08	8.30E-09	5.63E-09	2.15E-07	1.11E-07	4.72E-08	5.56E-08	2.18E-08	1.11E-07	4.72E-08
4123	480363.09	3855377.25	4.12E-04	4.22E-04	3.98E-04	1.43E-07	4.30E-07	2.49E-07	2.55E-07	2.31E-07	1.06E-07	9.96E-08	4.76E-09	1.15E-07	2.54E-08	3.46E-08	5.50E-08	9.69E-09	6.57E-09	2.51E-07	1.30E-07	5.51E-08	6.49E-08	2.55E-08	1.30E-07	5.51E-08
4124	480863.09	3855377.25	5.08E-04	5.20E-04	4.90E-04	1.76E-07	5.31E-07	3.07E-07	3.15E-07	2.85E-07	1.30E-07	1.23E-07	5.87E-09	1.42E-07	3.13E-08	4.27E-08	6.78E-08	1.19E-08	8.10E-09	3.09E-07	1.60E-07	6.80E-08	8.00E-08	3.14E-08	1.60E-07	6.80E-08
4125	481363.09	3855377.25	6.51E-04	6.67E-04	6.29E-04	2.25E-07	6.80E-07	3.94E-07	4.03E-07	3.66E-07	1.67E-07	1.57E-07	7.52E-09	1.82E-07	4.01E-08	5.48E-08	8.69E-08	1.53E-08	1.04E-08	3.97E-07	2.05E-07	8.72E-08	1.03E-07	4.03E-08	2.05E-07	8.72E-08
4126	481863.09	3855377.25	8.32E-04	8.53E-04	8.04E-04	2.88E-07	8.70E-07	5.04E-07	5.16E-07	4.68E-07	2.13E-07	2.01E-07	9.62E-09	2.32E-07	5.13E-08	7.00E-08	1.11E-07	1.96E-08	1.33E-08	5.07E-07	2.63E-07	1.11E-07	1.31E-07	5.15E-08	2.63E-07	1.11E-07
4127	482363.09	3855377.25	1.09E-03	1.12E-03	1.06E-03	3.79E-07	1.14E-06	6.62E-07	6.78E-07	6.14E-07	2.80E-07	2.64E-07	1.26E-08	3.05E-07	6.74E-08	9.20E-08	1.46E-07	2.57E-08	1.74E-08	6.67E-07	3.45E-07	1.46E-07	1.72E-07	6.77E-08	3.45E-07	1.46E-07
4128	482863.09	3855377.25	1.62E-03	1.66E-03	1.57E-03	5.61E-07	1.69E-06	9.81E-07	1.00E-06	9.10E-07	4.15E-07	3.92E-07	1.87E-08	4.52E-07	9.98E-08	1.36E-07	2.16E-07	3.81E-08	2.58E-08	9.88E-07	5.11E-07	2.17E-07	2.55E-07	1.00E-07	5.11E-07	2.17E-07
4129	483363.09	3855377.25	3.60E-03	3.69E-03	3.48E-03	1.25E-06	3.76E-06	2.18E-06	2.23E-06	2.02E-06	9.23E-07	8.70E-07	4.16E-08	1.01E-06	2.22E-07	3.03E-07	4.80E-07	8.47E-08	5.74E-08	2.19E-06	1.14E-06	4.82E-07	5.67E-07	2.23E-07	1.14E-06	4.82E-07
4130	483863.09	3855377.25	2.33E-02	2.39E-02	2.25E-02	8.07E-06	2.44E-05	1.41E-05	1.44E-05	1.31E-05	5.97E-06	5.64E-06	2.69E-07	6.51E-06	1.44E-06	1.96E-06	3.11E-06	5.48E-07	3.72E-07	1.42E-05	7.36E-06	3.12E-06	3.67E-06	1.44E-06	7.36E-06	3.12E-06
4131	484363.09	3855377.25	4.64E-03	4.76E-03	4.49E-03	1.61E-06	4.85E-06	2.81E-06	2.88E-06	2.61E-06	1.19E-06	1.12E-06	5.37E-08	1.30E-06	2.86E-07	3.91E-07	6.20E-07	1.09E-07	7.41E-08	2.83E-06	1.47E-06	6.22E-07	7.31E-07	2.87E-07	1.47E-06	6.22E-07
4132	484863.09	3855377.25	2.79E-03	2.86E-03	2.70E-03	9.66E-07	2.92E-06	1.69E-06	1.73E-06	1.57E-06	7.15E-07	6.75E-07	3.23E-08	7.79E-07	1.72E-07	2.35E-07	3.73E-07	6.57E-08	4.45E-08	1.70E-06	8.81E-07	3.74E-07	4.40E-07	1.73E-07	8.81E-07	3.74E-07
4133	485363.09	3855377.25	2.00E-03	2.05E-03	1.93E-03	6.91E-07	2.09E-06	1.21E-06	1.24E-06	1.12E-06	5.12E-07	4.83E-07	2.31E-08	5.58E-07	1.23E-07	1.68E-07	2.67E-07	4.70E-08	3.18E-08	1.22E-06	6.30E-07	2.67E-07	3.15E-07	1.24E-07	6.30E-07	2.67E-07
4134	485863.09	3855377.25	1.59E-03	1.63E-03	1.54E-03	5.50E-07	1.66E-06	9.62E-07	9.85E-07	8.93E-07	4.07E-07	3.84E-07	1.84E-08	4.44E-07	9.79E-08	1.34E-07	2.12E-07	3.74E-08	2.54E-08	9.69E-07	5.02E-07	2.13E-07	2.50E-07	9.84E-08	5.02E-07	2.13E-07
4135	486363.09	3855377.25	1.31E-03	1.34E-03	1.27E-03	4.54E-07	1.37E-06	7.94E-07	8.13E-07	7.37E-07	3.36E-07	3.17E-07	1.52E-08	3.66E-07	8.08E-08	1.10E-07	1.75E-07	3.09E-08	2.09E-08	8.00E-07	4.14E-07	1.76E-07	2.07E-07	8.12E-08	4.14E-07	1.76E-07
4136	486863.09	3855377.25	1.14E-03	1.16E-03	1.10E-03	3.93E-07	1.19E-06	6.88E-07	7.04E-07	6.38E-07	2.91E-07	2.75E-07	1.31E-08	3.17E-07	7.00E-08	9.56E-08	1.52E-07	2.67E-08	1.81E-08	6.93E-07	3.59E-07	1.52E-07	1.79E-07	7.03E-08	3.59E-07	1.52E-07
4137	487363.09	3855377.25	1.07E-03	1.10E-03	1.04E-03	3.72E-07	1.12E-06	6.50E-07	6.66E-07	6.04E-07	2.75E-07	2.60E-07	1.24E-08	3.00E-07	6.62E-08	9.04E-08	1.43E-07	2.53E-08	1.71E-08	6.55E-07	3.39E-07	1.44E-07	1.69E-07	6.65E-08	3.39E-07	1.44E-07
4138	487863.09	3855377.25	1.01E-03	1.04E-03	9.78E-04	3.50E-07	1.06E-06	6.13E-07	6.27E-07	5.69E-07	2.60E-07	2.45E-07	1.17E-08	2.83E-07	6.24E-08	8.52E-08	1.35E-07	2.38E-08	1.61E-08	6.17E-07	3.20E-07	1.36E-07	1.59E-07	6.27E-08	3.20E-07	1.36E-07
4139	488363.09	3855377.25	9.59E-04	9.83E-04	9.27E-04	3.32E-07	1.00E-06	5.80E-07	5.95E-07	5.39E-07	2.46E-07	2.32E-07	1.11E-08	2.68E-07	5.91E-08	8.07E-08	1.28E-07	2.26E-08	1.53E-08	5.85E-07	3.03E-07	1.28E-07	1.51E-07	5.94E-08	3.03E-07	1.28E-07
4140	488863.09	3855377.25	9.19E-04	9.42E-04	8.88E-04	3.18E-07	9.61E-07	5.56E-07	5.70E-07	5.17E-07	2.36E-07	2.22E-07	1.06E-08	2.57E-07	5.67E-08	7.74E-08	1.23E-07	2.16E-08	1.47E-08	5.60E-07	2.90E-07	1.23E-07	1.45E-07	5.69E-08	2.90E-07	1.23E-07
4141	489363.09	3855377.25	8.83E-04	9.04E-04	8.53E-04	3.06E-07	9.22E-07	5.34E-07	5.47E-07	4.96E-07	2.26E-07	2.13E-07	1.02E-08	2.46E-07	5.44E-08	7.43E-08	1.18E-07	2.08E-08	1.41E-08	5.38E-07	2.79E-07	1.18E-07	1.39E-07	5.46E-08	2.79E-07	1.18E-07
4142	489863.09	3855377.25	8.40E-04	8.60E-04	8.11E-04	2.91E-07	8.78E-07	5.08E-07	5.20E-07	4.72E-07	2.15E-07	2.03E-07	9.71E-09	2.34E-07	5.17E-08	7.07E-08	1.12E-07	1.98E-08	1.34E-08	5.12E-07	2.65E-07	1.12E-07	1.32E-07	5.20E-08	2.65E-07	1.12E-07
4143	490363.09	3855377.25	8.26E-04	8.47E-04	7.98E-04	2.86E-07	8.64E-07	5.00E-07	5.12E-07	4.64E-07	2.12E-07	2.00E-07	9.55E-09	2.31E-07	5.09E-08	6.95E-08	1.10E-07	1.94E-08	1.32E-08	5.04E-07	2.61E-07	1.11E-07	1.30E-07	5.12E-08	2.61E-07	1.11E-07
4144	490863.09	3855377.25	6.58E-04	6.74E-04	6.36E-04	2.28E-07	6.88E-07	3.98E-07	4.08E-07	3.70E-07	1.69E-07	1.59E-07	7.61E-09	1.84E-07	4.06E-08	5.54E-08	8.79E-08	1.55E-08	1.05E-08	4.01E-07	2.08E-07	8.81E-08	1.04E-07	4.07E-08	2.08E-07	8.81E-08
4145	491363.09	3855377.25	6.11E-04	6.26E-04	5.90E-04	2.12E-07	6.39E-07	3.70E-07	3.79E-07	3.43E-07	1.57E-07	1.48E-07	7.06E-09	1.71E-07	3.76E-08	5.14E-08	8.16E-08	1.44E-08	9.74E-09	3.72E-07	1.93E-07	8.18E-08	9.63E-08	3.78E-08	1.93E-07	8.18E-08
4146	491863.09	3855377.25	7.26E-04	7.44E-04	7.02E-04	2.51E-07	7.59E-07	4.39E-07	4.50E-07	4.08E-07	1.86E-07	1.76E-07	8.39E-09	2.03E-07	4.47E-08	6.11E-08	9.69E-08	1.71E-08	1.16E-08	4.43E-07	2.29E-07	9.72E-08	1.14E-07	4.49E-08	2.29E-07	9.72E-08
4147	492363.09	3855377.25	7.16E-04	7.33E-04	6.92E-04	2.48E-07	7.48E-07	4.33E-07	4.44E-07	4.02E-07	1.83E-07	1.73E-07	8.27E-09	2.00E-07	4.41E-08	6.02E-08	9.55E-08	1.68E-08	1.14E-08	4.36E-07	2.26E-07	9.59E-08	1.13E-07	4.43E-08	2.26E-07	9.59E-08
4148	492863.09	3855377.25	6.86E-04	7.03E-04	6.63E-04	2.38E-07	7.17E-07	4.15E-07	4.25E-07	3.86E-07	1.76E-07	1.66E-07	7.93E-09	1.92E-07	4.23E-08	5.77E-08	9.16E-08	1.61E-08	1.09E-08	4.18E-07	2.17E-07	9.19E-08	1.08E-07	4.25E-08	2.17E-07	9.19E-08
4149	493363.09	3855377.25	6.38E-04	6.53E-04	6.16E-04	2.21E-07	6.66E-07	3.86E-07	3.95E-07	3.58E-07	1.63E-07	1.54E-07	7.37E-09	1.78E-07	3.93E-08	5.36E-08	8.51E-08	1.50E-08	1.02E-08	3.89E-07	2.01E-07	8.54E-08	1.00E-07	3.95E-08	2.01E-07	8.54E-08
4150	493863.09	3855377.25	5.67E-04	5.80E-04	5.48E-04	1.96E-07	5.92E-07	3.43E-07	3.51E-07	3.18E-07	1.45E-07	1.37E-07	6.55E-09	1.58E-07	3.49E-08	4.77E-08	7.56E-08	1.33E-08	9.04E-09	3.45E-07	1.79E-07	7.59E-08	8.93E-08	3.51E-08	1.79E-07	7.59E-08
4151	494363.09	3855377.25	4.96E-04	5.08E-04	4.79E-04	1.72E-07	5.18E-07	3.00E-07	3.07E-07	2.79E-07	1.27E-07	1.20E-07	5.73E-09	1.38E-07	3.06E-08	4.17E-08	6.62E-08	1.17E-08	7.91E-09	3.02E-07	1.57E-07	6.64E-08	7.81E-08	3.07E-08	1.57E-07	6.64E-08

4152	494863.09	3855377.25	4.35E-04	4.46E-04	4.21E-04	1.51E-07	4.55E-07	2.63E-07	2.70E-07	2.45E-07	1.12E-07	1.05E-07	5.03E-09	1.22E-07	2.68E-08	3.66E-08	5.81E-08	1.02E-08	6.94E-09	2.65E-07	1.37E-07	5.83E-08	6.86E-08	2.69E-08	1.37E-07	5.83E-08
4153	495363.09	3855377.25	3.94E-04	4.04E-04	3.81E-04	1.36E-07	4.12E-07	2.38E-07	2.44E-07	2.21E-07	1.01E-07	9.53E-08	4.56E-09	1.10E-07	2.43E-08	3.32E-08	5.26E-08	9.27E-09	6.28E-09	2.40E-07	1.24E-07	5.28E-08	6.21E-08	2.44E-08	1.24E-07	5.28E-08
4154	495863.09	3855377.25	3.65E-04	3.73E-04	3.52E-04	1.26E-07	3.81E-07	2.21E-07	2.26E-07	2.05E-07	9.34E-08	8.81E-08	4.21E-09	1.02E-07	2.25E-08	3.07E-08	4.87E-08	8.58E-09	5.81E-09	2.22E-07	1.15E-07	4.88E-08	5.74E-08	2.26E-08	1.15E-07	4.88E-08
4155	496363.09	3855377.25	3.59E-04	3.67E-04	3.46E-04	1.24E-07	3.75E-07	2.17E-07	2.22E-07	2.01E-07	9.19E-08	8.67E-08	4.15E-09	1.00E-07	2.21E-08	3.02E-08	4.79E-08	8.44E-09	5.72E-09	2.19E-07	1.13E-07	4.80E-08	5.65E-08	2.22E-08	1.13E-07	4.80E-08
4156	496863.09	3855377.25	3.53E-04	3.61E-04	3.41E-04	1.22E-07	3.69E-07	2.13E-07	2.19E-07	1.98E-07	9.04E-08	8.53E-08	4.08E-09	9.85E-08	2.17E-08	2.97E-08	4.71E-08	8.30E-09	5.63E-09	2.15E-07	1.11E-07	4.72E-08	5.56E-08	2.18E-08	1.11E-07	4.72E-08
4157	497363.09	3855377.25	3.53E-04	3.61E-04	3.41E-04	1.22E-07	3.69E-07	2.13E-07	2.19E-07	1.98E-07	9.04E-08	8.53E-08	4.08E-09	9.85E-08	2.17E-08	2.97E-08	4.71E-08	8.30E-09	5.63E-09	2.15E-07	1.11E-07	4.72E-08	5.56E-08	2.18E-08	1.11E-07	4.72E-08
4158	497863.09	3855377.25	3.60E-04	3.69E-04	3.48E-04	1.25E-07	3.76E-07	2.18E-07	2.23E-07	2.02E-07	9.23E-08	8.71E-08	4.16E-09	1.01E-07	2.22E-08	3.03E-08	4.81E-08	8.47E-09	5.74E-09	2.19E-07	1.14E-07	4.82E-08	5.67E-08	2.23E-08	1.14E-07	4.82E-08
4159	498363.09	3855377.25	3.67E-04	3.76E-04	3.55E-04	1.27E-07	3.84E-07	2.22E-07	2.28E-07	2.06E-07	9.42E-08	8.89E-08	4.25E-09	1.03E-07	2.26E-08	3.09E-08	4.91E-08	8.65E-09	5.86E-09	2.24E-07	1.16E-07	4.92E-08	5.79E-08	2.27E-08	1.16E-07	4.92E-08
4160	471363.09	3855877.25	2.04E-04	2.09E-04	1.97E-04	7.05E-08	2.13E-07	1.23E-07	1.26E-07	1.14E-07	5.22E-08	4.92E-08	2.35E-09	5.69E-08	1.25E-08	1.71E-08	2.72E-08	4.79E-09	3.25E-09	1.24E-07	6.43E-08	2.73E-08	3.21E-08	1.26E-08	6.43E-08	2.73E-08
4161	471863.09	3855877.25	2.08E-04	2.13E-04	2.01E-04	7.20E-08	2.18E-07	1.26E-07	1.29E-07	1.17E-07	5.33E-08	5.03E-08	2.41E-09	5.81E-08	1.28E-08	1.75E-08	2.78E-08	4.90E-09	3.32E-09	1.27E-07	6.57E-08	2.79E-08	3.28E-08	1.29E-08	6.57E-08	2.79E-08
4162	472363.09	3855877.25	2.17E-04	2.22E-04	2.10E-04	7.51E-08	2.27E-07	1.31E-07	1.34E-07	1.22E-07	5.56E-08	5.25E-08	2.51E-09	6.06E-08	1.34E-08	1.83E-08	2.90E-08	5.10E-09	3.46E-09	1.32E-07	6.85E-08	2.91E-08	3.42E-08	1.34E-08	6.85E-08	2.91E-08
4163	472863.09	3855877.25	2.18E-04	2.24E-04	2.11E-04	7.56E-08	2.28E-07	1.32E-07	1.35E-07	1.23E-07	5.60E-08	5.28E-08	2.52E-09	6.10E-08	1.35E-08	1.84E-08	2.92E-08	5.14E-09	3.48E-09	1.33E-07	6.89E-08	2.93E-08	3.44E-08	1.35E-08	6.89E-08	2.93E-08
4164	473363.09	3855877.25	2.29E-04	2.34E-04	2.21E-04	7.92E-08	2.39E-07	1.38E-07	1.42E-07	1.29E-07	5.86E-08	5.53E-08	2.64E-09	6.39E-08	1.41E-08	1.92E-08	3.05E-08	5.38E-09	3.65E-09	1.39E-07	7.22E-08	3.06E-08	3.60E-08	1.42E-08	7.22E-08	3.06E-08
4165	473863.09	3855877.25	2.38E-04	2.43E-04	2.30E-04	8.23E-08	2.48E-07	1.44E-07	1.47E-07	1.33E-07	6.09E-08	5.75E-08	2.75E-09	6.63E-08	1.46E-08	2.00E-08	3.17E-08	5.59E-09	3.79E-09	1.45E-07	7.50E-08	3.18E-08	3.74E-08	1.47E-08	7.50E-08	3.18E-08
4166	474363.09	3855877.25	2.44E-04	2.49E-04	2.35E-04	8.43E-08	2.55E-07	1.47E-07	1.51E-07	1.37E-07	6.24E-08	5.89E-08	2.81E-09	6.80E-08	1.50E-08	2.05E-08	3.25E-08	5.73E-09	3.88E-09	1.48E-07	7.69E-08	3.26E-08	3.84E-08	1.51E-08	7.69E-08	3.26E-08
4167	474863.09	3855877.25	2.23E-04	2.28E-04	2.15E-04	7.71E-08	2.33E-07	1.35E-07	1.38E-07	1.25E-07	5.71E-08	5.39E-08	2.58E-09	6.22E-08	1.37E-08	1.88E-08	2.97E-08	5.24E-09	3.55E-09	1.36E-07	7.03E-08	2.98E-08	3.51E-08	1.38E-08	7.03E-08	2.98E-08
4168	475363.09	3855877.25	1.95E-04	2.00E-04	1.88E-04	6.74E-08	2.04E-07	1.18E-07	1.21E-07	1.09E-07	4.99E-08	4.71E-08	2.25E-09	5.44E-08	1.20E-08	1.64E-08	2.60E-08	4.58E-09	3.11E-09	1.19E-07	6.15E-08	2.61E-08	3.07E-08	1.21E-08	6.15E-08	2.61E-08
4169	475863.09	3855877.25	1.62E-04	1.66E-04	1.57E-04	5.62E-08	1.70E-07	9.82E-08	1.01E-07	9.12E-08	4.16E-08	3.93E-08	1.88E-09	4.53E-08	1.00E-08	1.37E-08	2.17E-08	3.82E-09	2.59E-09	9.89E-08	5.12E-08	2.17E-08	2.56E-08	1.00E-08	5.12E-08	2.17E-08
4170	476363.09	3855877.25	1.68E-04	1.72E-04	1.63E-04	5.82E-08	1.76E-07	1.02E-07	1.04E-07	9.45E-08	4.31E-08	4.07E-08	1.94E-09	4.70E-08	1.04E-08	1.42E-08	2.25E-08	3.96E-09	2.68E-09	1.03E-07	5.31E-08	2.25E-08	2.65E-08	1.04E-08	5.31E-08	2.25E-08
4171	476863.09	3855877.25	1.92E-04	1.97E-04	1.85E-04	6.64E-08	2.01E-07	1.16E-07	1.19E-07	1.08E-07	4.92E-08	4.64E-08	2.22E-09	5.36E-08	1.18E-08	1.61E-08	2.56E-08	4.51E-09	3.06E-09	1.17E-07	6.06E-08	2.57E-08	3.02E-08	1.19E-08	6.06E-08	2.57E-08
4172	477363.09	3855877.25	2.08E-04	2.13E-04	2.01E-04	7.20E-08	2.18E-07	1.26E-07	1.29E-07	1.17E-07	5.33E-08	5.03E-08	2.41E-09	5.81E-08	1.28E-08	1.75E-08	2.78E-08	4.90E-09	3.32E-09	1.27E-07	6.57E-08	2.79E-08	3.28E-08	1.29E-08	6.57E-08	2.79E-08
4173	477863.09	3855877.25	2.24E-04	2.30E-04	2.17E-04	7.77E-08	2.34E-07	1.36E-07	1.39E-07	1.26E-07	5.75E-08	5.42E-08	2.59E-09	6.26E-08	1.38E-08	1.89E-08	2.99E-08	5.28E-09	3.58E-09	1.37E-07	7.08E-08	3.00E-08	3.53E-08	1.39E-08	7.08E-08	3.00E-08
4174	478363.09	3855877.25	2.48E-04	2.54E-04	2.40E-04	8.58E-08	2.59E-07	1.50E-07	1.54E-07	1.39E-07	6.36E-08	6.00E-08	2.87E-09	6.92E-08	1.53E-08	2.09E-08	3.31E-08	5.83E-09	3.95E-09	1.51E-07	7.83E-08	3.32E-08	3.91E-08	1.53E-08	7.83E-08	3.32E-08
4175	478863.09	3855877.25	2.75E-04	2.81E-04	2.65E-04	9.50E-08	2.87E-07	1.66E-07	1.70E-07	1.54E-07	7.04E-08	6.64E-08	3.17E-09	7.66E-08	1.69E-08	2.31E-08	3.66E-08	6.46E-09	4.38E-09	1.67E-07	8.66E-08	3.68E-08	4.32E-08	1.70E-08	8.66E-08	3.68E-08
4176	479363.09	3855877.25	3.08E-04	3.16E-04	2.98E-04	1.07E-07	3.22E-07	1.87E-07	1.91E-07	1.73E-07	7.91E-08	7.46E-08	3.57E-09	8.61E-08	1.90E-08	2.60E-08	4.12E-08	7.26E-09	4.92E-09	1.88E-07	9.74E-08	4.13E-08	4.86E-08	1.91E-08	9.74E-08	4.13E-08
4177	479863.09	3855877.25	3.42E-04	3.51E-04	3.31E-04	1.19E-07	3.58E-07	2.07E-07	2.12E-07	1.92E-07	8.78E-08	8.28E-08	3.96E-09	9.56E-08	2.11E-08	2.88E-08	4.57E-08	8.05E-09	5.46E-09	2.09E-07	1.08E-07	4.59E-08	5.39E-08	2.12E-08	1.08E-07	4.59E-08
4178	480363.09	3855877.25	3.93E-04	4.02E-04	3.79E-04	1.36E-07	4.10E-07	2.38E-07	2.43E-07	2.21E-07	1.01E-07	9.49E-08	4.54E-09	1.10E-07	2.42E-08	3.30E-08	5.24E-08	9.24E-09	6.26E-09	2.39E-07	1.24E-07	5.26E-08	6.18E-08	2.43E-08	1.24E-07	5.26E-08
4179	480863.09	3855877.25	4.63E-04	4.75E-04	4.48E-04	1.60E-07	4.84E-07	2.80E-07	2.87E-07	2.60E-07	1.19E-07	1.12E-07	5.36E-09	1.29E-07	2.86E-08	3.90E-08	6.19E-08	1.09E-08	7.39E-09	2.82E-07	1.46E-07	6.21E-08	7.30E-08	2.87E-08	1.46E-07	6.21E-08
4180	481363.09	3855877.25	5.00E-04	5.12E-04	4.83E-04	1.73E-07	5.23E-07	3.03E-07	3.10E-07	2.81E-07	1.28E-07	1.21E-07	5.78E-09	1.40E-07	3.08E-08	4.21E-08	6.68E-08	1.18E-08	7.98E-09	3.05E-07	1.58E-07	6.70E-08	7.88E-08	3.10E-08	1.58E-07	6.70E-08
4181	481863.09	3855877.25	7.13E-04	7.30E-04	6.89E-04	2.47E-07	7.45E-07	4.31E-07	4.42E-07	4.00E-07	1.83E-07	1.72E-07	8.24E-09	1.99E-07	4.39E-08	6.00E-08	9.52E-08	1.68E-08	1.14E-08	4.34E-07	2.25E-07	9.55E-08	1.12E-07	4.41E-08	2.25E-07	9.55E-08
4182	482363.09	3855877.25	8.71E-04	8.92E-04	8.41E-04	3.01E-07	9.10E-07	5.27E-07	5.40E-07	4.89E-07	2.23E-07	2.11E-07	1.01E-08	2.43E-07	5.37E-08	7.33E-08	1.16E-07	2.05E-08	1.39E-08	5.31E-07	2.75E-07	1.17E-07	1.37E-07	5.39E-08	2.75E-07	1.17E-07
4183	482863.09	3855877.25	1.10E-03	1.13E-03	1.06E-03	3.81E-07	1.15E-06	6.65E-07	6.81E-07	6.18E-07	2.82E-07	2.66E-07	1.27E-08	3.07E-07	6.77E-08	9.25E-08	1.47E-07	2.59E-08	1.75E-08	6.70E-07	3.47E-07	1.47E-07	1.73E-07	6.80E-08	3.47E-07	1.47E-07
4184	483363.09	3855877.25	1.57E-03	1.61E-03	1.51E-03	5.43E-07	1.64E-06	9.48E-07	9.71E-07	8.81E-07	4.02E-07	3.79E-07	1.81E-08	4.38E-07	9.66E-08	1.32E-07	2.09E-07	3.69E-08	2.50E-08	9.55E-07	4.95E-07	2.10E-07	2.47E-07	9.70E-08	4.95E-07	2.10E-07
4185	483863.09	3855877.25	3.24E-03	3.31E-03	3.13E-03	1.12E-06	3.38E-06	1.96E-06	2.00E-06	1.82E-06	8.29E-07	7.82E-07	3.74E-08	9.03E-07	1.99E-07	2.72E-07	4.32E-07	7.61E-08	5.16E-08	1.97E-06	1.02E-06	4.33E-07	5.10E-07	2.00E-07	1.02E-06	4.33E-07
4186	484363.09	3855877.25	3.77E-02	3.86E-02	3.64E-02	1.31E-05	3.94E-05	2.28E-05	2.34E-05	2.12E-05	9.66E-06	9.12E-06	4.36E-07	1.05E-05	2.32E-06	3.17E-06	5.03E-06	8.87E-07	6.01E-07	2.30E-05	1.19E-05	5.05E-06	5.94E-06	2.33E-06	1.19E-05	5.05E-06
4187	484863.09	3855877.25	5.91E-03	6.05E-03	5.71E-03	2.05E-06	6.18E-06	3.58E-06	3.66E-06	3.32E-06	1.52E-06	1.43E-06	6.83E-08	1.65E-06	3.64E-07	4.97E-07	7.89E-07	1.39E-07	9.43E-08	3.60E-06	1.87E-06	7.92E-07	9.31E-07	3.66E-07	1.87E-06	7.92E-07
4188	485363.09	3855877.25	3.28E-03	3.36E-03	3.17E-03	1.13E-06	3.42E-06	1.98E-06	2.03E-06	1.84E-06	8.40E-07	7.92E-07	3.79E-08	9.15E-07	2.02E-07	2.76E-07	4.37E-07	7.71E-08	5.23E-08	2.00E-06	1.03E-06	4.39E-07	5.16E-07	2.03E-07	1.03E-06	4.39E-07
4189	485863.09	3855877.25	2.25E-03	2.30E-03	2.17E-03	7.79E-07	2.35E-06	1.36E-06	1.39E-06	1.26E-06	5.77E-07	5.44E-07	2.60E-08	6.28E-07	1.39E-07	1.89E-07	3.00E-07	5.29E-08	3.59E-08	1.37E-06	7.10E-07	3.01E-07	3.54E-07	1.39E-07	7.10E-07	3.01E-07
4190	486363.09	3855877.25	1.69E-03	1.73E-03	1.63E-03	5.84E-07	1.76E-06	1.02E-06	1.05E-06	9.49E-07	4.33E-07	4.08E-07	1.95E-08	4.71E-07	1.04E-07	1.42E-07	2.25E-07	3.97E-08	2.69E-08	1.03E-06	5.33E-07	2.26E-07	2.66E-07	1.04E-07	5.33E-07	2.26E-07
4191	486863.09	3855877.25	1.42E-03	1.45E-03	1.37E-03	4.90E-07	1.48E-06	8.57E-07	8.78E-07	7.96E-07	3.63E-07	3.43E-07	1.64E-08	3.96E-07	8.73E-08	1.19E-07	1.89E-07	3.33E-08	2.26E-08	8.64E-07	4.47E-07	1.90E-07	2.23E-07	8.77E-08	4.47E-07	1.90E-07
4192	487363.09	3855877.25	1.31E-03	1.34E-03	1.27E-03	4.54E-07	1.37E-06	7.93E-07	8.12E-07	7.36E-07	3.36E-07	3.17E-07	1.51E-08	3.66E-07	8.07E-08	1.10E-07	1.75E-07	3.08E-08	2.09E-08	7.99E-07	4.14E-07	1.76E-07	2.06E-07	8.11E-08	4.14E-07	1.76E-07
4193	487863.09	3855877.25	1.23E-03	1.26E-03	1.19E-03	4.26E-07	1.28E-06	7.44E-07	7.62E-07	6.91E-07	3.15E-07	2.97E-07	1.42E-08	3.43E-07	7.57E-08	1.03E-07	1.64E-07	2.89E-08	1.96E-08	7.49E-07	3.88E-07	1.65E-07	1.94E-07	7.61E-08	3.88E-07	1.65E-07
4194	488363.09	3855877.25	1.15E-03	1.17E-03	1.11E-03	3.96E-07	1.20E-06	6.93E-07	7.10E-07	6.43E-07	2.94E-07	2.77E-07	1.32E-08	3.20E-07	7.06E-08	9.64E-08	1.53E-07	2.69E-08	1.83E-08	6.98E-07	3.61E-07	1.53E-07	1.80E-07	7.09E-08	3.61E-07	1.53E-07
4195	488863.09	3855877.25	1.07E-03	1.10E-03	1.04E-03	3.71E-07	1.12E-06	6.49E-07	6.65E-07	6.03E-07	2.75E-07	2.59E-07	1.24E-08	3.00E-07	6.61E-08	9.03E-08	1.43E-07	2.52E-08	1.71E-08	6.54E-07	3.39E-07	1.44E-07	1.69E-07	6.64E-08	3.39E-07	1.44E-07
4196	489363.09	3855877.25	1.01E-03	1.03E-03	9.72E-04	3.48E-07	1.05E-06	6.09E-07	6.24E-07	5.65E-07	2.58E-07	2.43E-07	1.16E-08	2.81E-07	6.20E-08	8.47E-08	1.34E-07	2.37E-08	1.61E-08	6.13E-07	3.18E-07	1.35E-07	1.59E-07	6.23E-08	3.18E-07	1.35E-07
4197	489863.09	3855877.25	9.52E-04	9.75E-04	9.20E-04	3.30E-07	9.95E-07	5.76E-07	5.90E-07	5.35E-07	2.44E-07	2.30E-07	1.10E-08	2.66E-07	5.87E-08	8.01E-08	1.27E-07	2.24E-08	1.52E-08	5.80E-07	3.00E-07	1.27E-07	1.50E-07	5.89E-08	3.00E-07	1.27E-07
4198	490363.09	3855877.25	9.12E-04	9.34E-04	8.81E-04	3.16E-07	9.53E-07	5.52E-07	5.65E-07	5.12E-07	2.34E-07	2.21E-07	1.05E-08	2.55E-07	5.62E-08	7.67E-08	1.22E-07	2.15E-08	1.45E-08	5.56E-07	2.88E-07	1.22E-07	1.44E-07	5.64E-08	2.88E-07	1.22E-07
4199	490863.09	3855877.25	8.56E-04	8.77E-04	8.27E-04	2.96E-07	8.95E-07	5.18E-07	5.30E-07	4.81E-07	2.19E-07	2.07E-07	9.89E-09	2.39E-07	5.27E-08	7.20E-08	1.14E-07	2.01E-08	1.37E-08	5.22E-07	2.70E-07	1.15E-07	1.35E-07	5.30E-08	2.70E-07	1.15E-07
4200	491363.09	3855877.25	7.69E-04	7.88E-04	7.43E-04	2.66E-07	8.04E-07	4.65E-07	4.77E-07	4.32E-07	1.97E-07	1.86E-07	8.89E-09	2.15E-07	4.74E-08	6.47E-08	1.03E-07	1.81E-08	1.23E-08	4.69E-07	2.43E-07	1.03E-07	1.21E-07	4.76E-08	2.43E-07	1.03E-07
4201	491863.09	3855877.25	7.97E-04	8.16E-04	7.70E-04	2.76E-07	8.33E-07	4.82E-07	4.94E-07	4.48E-07	2.04E-07	1.93E-07	9.21E-09	2.23E-07	4.91E-08	6.71E-08	1.06E-07	1.87E-08	1.27E-08	4.86E-07	2.52E-07	1.07E-07	1.26E-07	4.93E-08	2.52E-07	1.07E-07
4202	492363.09	3855877.25	7.54E-04	7.72E-04	7.29E-04	2.61E-07	7.88E-07	4.56E-07	4.67E-07	4.24E-07	1.93E-07	1.82E-07	8.72E-09	2.11E-07	4.65E-08	6.35E-08	1.01E-07	1.77E-08	1.20E-08	4.60E-07	2.38E-07	1.01E-07	1.19E-07	4.67E-08	2.38E-07	1.01E-07
4203	492863.09	3855877.25	7.17E-04	7.35E-04	6.93E-04	2.48E-07	7.50E-07	4.34E-07	4.45E-07	4.03E-07	1.84E-07	1.73E-07	8.29E-09	2.00E-07	4.42E-08	6.04E-08	9.57E-08	1.69E-08	1.14E-08	4.37E-07	2.26E-07	9.61E-08	1.13E-07	4.44E-08	2.26E-07	9.61E-08
4204	493363.09	3855877.25	6.24E-04	6.39E-04	6.03E-04	2.16E-07	6.53E-07	3.78E-07	3.87E-07	3.51E-07	1.60E-07	1.51E-07	7.22E-09	1.74E-07	3.85E-08	5.25E-08	8.33E-08	1.47E-08	9.96E-09	3.80E-07	1.97E-07	8.36E-08	9.83E-08	3.86E-08	1.97E-07	8.36E-08
4205	493863.09	3855877.25	5.37E-04	5.50E-04	5.19E-04	1.86E-07	5.62E-07	3.25E-07	3.33E-07	3.02E-07	1.38E-07	1.30E-07	6.21E-09	1.50E-07	3.31E-08	4.52E-08	7.17E-08	1.26E-08	8.57E-09	3.27E-07	1.70E-07	7.19E-08	8.46E-08	3.32E-08	1.70E-07	7.19E-08
4206	494363.09	3855877.25	4.65E-04	4.76E-04	4.49E-04	1.61E-07	4.86E-07	2.81E-07	2.88E-07	2.61E-07	1.19E-07	1.12E-07	5.37E-09	1.30E-07	2.86E-08	3.91E-08	6.21E-08	1.09E-08	7.41E-09	2.83E-07	1.47E-07	6.23E-08	7.32E-08	2.88E-08	1.47E-07	6.23E-08
4207	494863.09	3855877.25	4.18E-04	4.28E-04	4.04E-04	1.45E-07	4.37E-07	2.53E-07	2.59E-07	2.35E-07	1.07E-07	1.01E-07	4.83E-09	1.17E-07	2.57E-08	3.51E-08	5.58E-08	9.83E-09	6.66E-09	2.55E-07	1.32E-07	5.59E-08	6.58E-08	2.58E-08	1.32E-07	5.59E-08
4208	495363.09	3855877.25	3.69E-04	3.78E-04	3.56E-04	1.28E-07	3.86E-07	2.23E-07	2.29E-07	2.07E-07	9.46E-08	8.92E-08	4.27E-09	1.03E-07	2.27E-08	3.10E-08	4.92E-08	8.68E-09	5.88E-09	2.25E-07	1.16E-07	4.94E-08	5.81E-08	2.28E-08	1.16E-07	4.94E-08
4209	495863.09	3855877.25	3.63E-04	3.72E-04	3.51E-04	1.26E-07	3.79E-07	2.20E-07	2.25E-07	2.04E-07	9.31E-08	8.78E-08	4.20E-09	1.01E-07	2.24E-08	3.05E-08	4.85E-08	8.54E-09	5.79E-09	2.21E-07	1.15E-07	4.86E-08	5.72E-08	2.25E-08	1.15E-07	4.86E-08
4210	496363.09	3855877.25	3.59E-04	3.67E-04	3.46E-04	1.24E-07	3.75E-07	2.17E-07	2.22E-07	2.01E-07	9.19E-08	8.67E-08	4.15E-09	1.00E-07	2.21E-08	3.02E-08	4.79E-08	8.44E-09	5.72E-09	2.19E-07	1.13E-07	4.80E-08	5.65E-08	2.22E-08	1.13E-07	4.80E-08
4211	496863.09	3855877.25	3.62E-04	3.70E-04	3.49E-04	1.25E-07	3.78E-07	2.19E-07	2.24E-07	2.03E-07	9.27E-08	8.74E-08	4.18E-09	1.01E-07	2.23E-08	3.04E-08	4.83E-08	8.51E-09	5.77E-09	2.20E-07	1.14E-07	4.84E-08	5.70E-08	2.24E-08	1.14E-07	4.84E-08
4212	497363.09	3855877.25	3.66E-04	3.75E-04	3.54E-04	1.27E-07	3.83E-07	2.21E-07	2.27E-07	2.06E-07	9.38E-08	8.85E-08	4.23E-09	1.02E-07	2.26E-08	3.08E-08	4.89E-08	8.61E-09	5.84E-09	2.23E-07	1.16E-07	4.90E-08	5.77E-08	2.27E-08	1.16E-07	4.90E-08
4213	497863.09	3855877.25	3.75E-04	3.84E-04	3.62E-04	1.30E-07	3.92E-07	2.27E-07	2.32E-07	2.11E-07	9.61E-08	9.06E-08	4.33E-09	1.05E-07	2.31E-08	3.15E-08	5.00E-08	8.82E-09	5.98E-09	2.28E-07	1.18E-07	5.02E-08	5.91E-08	2.32E-08	1.18E-07	5.02E-08
4214	498363.09	3855877.25	3.93E-04	4.02E-04	3.79E-04	1.36E-07	4.10E-07	2.38E-07	2.43E-07	2.21E-07	1.01E-07	9.49E-08	4.54E-09	1.10E-07	2.42E-08	3.30E-08	5.24E-08	9.24E-09	6.26E-09	2.39E-07	1.24E-07	5.26E-08	6.18E-08	2.43E-08	1.24E-07	5.26E-08
4215	471363.09	3856377.25	1.95E-04	2.00E-04	1.88E-04	6.74E-08	2.04E-07	1.18E-07	1.21E-07	1.09E-07	4.99E-08	4.71E-08	2.25E-09	5.44E-08	1.20E-08	1.64E-08	2.60E-08	4.58E-09	3.11E-09	1.19E-07	6.15E-08	2.61E-08	3.07E-08	1.21E-08	6.15E-08	2.61E-08
4216	471863.09	3856377.25	1.99E-04	2.04E-04	1.92E-04	6.90E-08	2.08E-07	1.21E-07	1.23E-07	1.12E-07	5.11E-08	4.82E-08	2.30E-09	5.56E-08	1.23E-08	1.68E-08	2.66E-08	4.69E-09	3.18E-09	1.21E-07	6.29E-08	2.67E-08	3.14E-08	1.23E-08	6.29E-08	2.67E-08
4217	472363.09	3856377.25	2.08E-04	2.13E-04	2.01E-04	7.20E-08	2.18E-07	1.26E-07	1.29E-07	1.17E-07	5.33E-08	5.03E-08	2.41E-09	5.81E-08	1.28E-08	1.75E-08	2.78E-08	4.90E-09	3.32E-09	1.27E-07	6.57E-08	2.79E-08	3.28E-08	1.29E-08	6.57E-08	2.79E-08
4218	472863.09	3856377.25	2.15E-04	2.21E-04	2.08E-04	7.46E-08	2.25E-07	1.30E-07	1.34E-07	1.21E-07	5.52E-08	5.21E-08	2.49E-09	6.02E-08	1.33E-08	1.81E-08	2.88E-08	5.07E-09	3.44E-09	1.31E-07	6.80E-08	2.89E-08	3.39E-08	1.33E-08	6.80E-08	2.89E-08
4219	473363.09	3856377.25	2.23E-04	2.28E-04	2.15E-04	7.71E-08	2.33E-07	1.35E-07	1.38E-07	1.25E-07	5.71E-08	5.39E-08	2.58E-09	6.22E-08	1.37E-08	1.88E-08	2.97E-08	5.24E-09	3.55E-09	1.36E-07	7.03E-08	2.98E-08	3.51E-08	1.38E-08	7.03E-08	2.98E-08
4220	473863.09	3856377.25	2.35E-04	2.40E-04	2.27E-04	8.12E-08	2.45E-07	1.42E-07	1.45E-07	1.32E-07	6.02E-08	5.67E-08	2.71E-09	6.55E-08	1.45E-08	1.97E-08	3.13E-08	5.52E-09	3.74E-09	1.43E-07	7.41E-08	3.14E-08	3.70E-08	1.45E-08	7.41E-08	3.14E-08
4221	474363.09	3856377.25	2.33E-04	2.39E-04	2.25E-04	8.07E-08	2.44E-07	1.41E-07	1.45E-07	1.31E-07	5.98E-08	5.64E-08	2.70E-09	6.51E-08	1.44E-08	1.96E-08	3.11E-08	5.49E-09	3.72E-09	1.42E-07	7.36E-08	3.12E-08	3.67E-08	1.44E-08	7.36E-08	3.12E-08
4222	474863.09	3856377.25	2.26E-04	2.31E-04	2.18E-04	7.82E-08	2.36E-07	1.37E-07	1.40E-07	1.27E-07	5.79E-08	5.46E-08	2.61E-09	6.31E-08	1.39E-08	1.90E-08	3.01E-08	5.31E-09	3.60E-09	1.38E-07	7.13E-08	3.02E-08	3.56E-08	1.40E-08	7.13E-08	3.02E-08
4223	475363.09	3856377.25	2.10E-04	2.15E-04	2.02E-04	7.25E-08	2.19E-07	1.27E-07	1.30E-07	1.18E-07	5.37E-08	5.07E-08	2.42E-09	5.85E-08	1.29E-08	1.76E-08	2.80E-08	4.93E-09	3.34E-09	1.28E-07	6.61E-08	2.81E-08	3.30E-08	1.30E-08	6.61E-08	2.81E-08
4224	475863.09	3856377.25	1.90E-04	1.95E-04	1.84E-04	6.59E-08	1.99E-07	1.15E-07	1.18E-07	1.07E-07	4.88E-08	4.60E-08	2.20E-09	5.32E-08	1.17E-08	1.60E-08	2.54E-08	4.48E-09	3.04E-09	1.16E-07	6.01E-08	2.55E-08	3.00E-08	1.18E-08	6.01E-08	2.55E-08
4225	476363.09	3856377.25	1.90E-04	1.95E-04	1.84E-04	6.59E-08	1.99E-07	1.15E-07	1.18E-07	1.07E-07	4.88E-08	4.60E-08	2.20E-09	5.32E-08	1.17E-08	1.60E-08	2.54E-08	4.48E-09	3.04E-09	1.16E-07	6.01E-08	2.55E-08	3.00E-08	1.18E-08	6.01E-08	2.55E-08
4226	476863.09	3856377.25	1.96E-04	2.01E-04	1.90E-04	6.79E-08	2.05E-07	1.19E-07	1.22E-07	1.10E-07	5.03E-08	4.75E-08	2.27E-09	5.48E-08	1.21E-08	1.65E-08	2.62E-08	4.62E-09	3.13E-09	1.20E-07	6.20E-08	2.63E-08	3.09E-08	1.21E-08	6.20E-08	2.63E-08
4227	477363.09	3856377.25	2.07E-04	2.12E-04	2.00E-04	7.15E-08	2.16E-07	1.25E-07	1.28E-07	1.16E-07	5.30E-08	5.00E-08	2.39E-09	5.77E-08	1.27E-08	1.74E-08	2.76E-08	4.86E-09	3.30E-09	1.26E-07	6.52E-08	2.77E-08	3.26E-08	1.28E-08	6.52E-08	2.77E-08
4228	477863.09	3856377.25	2.02E-04	2.07E-04	1.95E-04	7.00E-08	2.11E-07	1.22E-07	1.25E-07	1.14E-07	5.18E-08	4.89E-08	2.34E-09	5.65E-08	1.25E-08	1.70E-08	2.70E-08	4.76E-09	3.22E-09	1.23E-07	6.38E-08	2.71E-08	3.19E-08	1.25E-08	6.38E-08	2.71E-08

4229	478363.09	3856377.25	2.05E-04	2.10E-04	1.98E-04	7.10E-08	2.14E-07	1.24E-07	1.27E-07	1.15E-07	5.26E-08	4.96E-08	2.37E-09	5.73E-08	1.26E-08	1.73E-08	2.74E-08	4.83E-09	3.27E-09	1.25E-07	6.47E-08	2.75E-08	3.23E-08	1.27E-08	6.47E-08	2.75E-08
4230	478863.09	3856377.25	2.48E-04	2.54E-04	2.40E-04	8.58E-08	2.59E-07	1.50E-07	1.54E-07	1.39E-07	6.36E-08	6.00E-08	2.87E-09	6.92E-08	1.53E-08	2.09E-08	3.31E-08	5.83E-09	3.95E-09	1.51E-07	7.83E-08	3.32E-08	3.91E-08	1.53E-08	7.83E-08	3.32E-08
4231	479363.09	3856377.25	2.73E-04	2.80E-04	2.64E-04	9.45E-08	2.85E-07	1.65E-07	1.69E-07	1.53E-07	7.00E-08	6.60E-08	3.16E-09	7.62E-08	1.68E-08	2.30E-08	3.64E-08	6.42E-09	4.35E-09	1.66E-07	8.62E-08	3.66E-08	4.30E-08	1.69E-08	8.62E-08	3.66E-08
4232	479863.09	3856377.25	3.20E-04	3.28E-04	3.09E-04	1.11E-07	3.35E-07	1.94E-07	1.98E-07	1.80E-07	8.21E-08	7.74E-08	3.70E-09	8.94E-08	1.97E-08	2.69E-08	4.27E-08	7.53E-09	5.11E-09	1.95E-07	1.01E-07	4.29E-08	5.05E-08	1.98E-08	1.01E-07	4.29E-08
4233	480363.09	3856377.25	3.76E-04	3.85E-04	3.64E-04	1.30E-07	3.93E-07	2.28E-07	2.33E-07	2.11E-07	9.65E-08	9.10E-08	4.35E-09	1.05E-07	2.32E-08	3.17E-08	5.02E-08	8.85E-09	6.00E-09	2.29E-07	1.19E-07	5.04E-08	5.93E-08	2.33E-08	1.19E-07	5.04E-08
4234	480863.09	3856377.25	4.37E-04	4.47E-04	4.22E-04	1.51E-07	4.57E-07	2.64E-07	2.71E-07	2.45E-07	1.12E-07	1.06E-07	5.05E-09	1.22E-07	2.69E-08	3.68E-08	5.83E-08	1.03E-08	6.97E-09	2.66E-07	1.38E-07	5.85E-08	6.88E-08	2.70E-08	1.38E-07	5.85E-08
4235	481363.09	3856377.25	5.21E-04	5.34E-04	5.03E-04	1.80E-07	5.45E-07	3.15E-07	3.23E-07	2.93E-07	1.34E-07	1.26E-07	6.02E-09	1.45E-07	3.21E-08	4.38E-08	6.95E-08	1.23E-08	8.31E-09	3.18E-07	1.64E-07	6.98E-08	8.21E-08	3.22E-08	1.64E-07	6.98E-08
4236	481863.09	3856377.25	6.36E-04	6.52E-04	6.15E-04	2.20E-07	6.65E-07	3.85E-07	3.94E-07	3.57E-07	1.63E-07	1.54E-07	7.35E-09	1.78E-07	3.92E-08	5.35E-08	8.49E-08	1.50E-08	1.01E-08	3.88E-07	2.01E-07	8.52E-08	1.00E-07	3.94E-08	2.01E-07	8.52E-08
4237	482363.09	3856377.25	7.39E-04	7.57E-04	7.14E-04	2.56E-07	7.73E-07	4.47E-07	4.58E-07	4.15E-07	1.90E-07	1.79E-07	8.55E-09	2.06E-07	4.56E-08	6.22E-08	9.87E-08	1.74E-08	1.18E-08	4.51E-07	2.33E-07	9.90E-08	1.16E-07	4.58E-08	2.33E-07	9.90E-08
4238	482863.09	3856377.25	8.71E-04	8.92E-04	8.41E-04	3.01E-07	9.10E-07	5.27E-07	5.40E-07	4.89E-07	2.23E-07	2.11E-07	1.01E-08	2.43E-07	5.37E-08	7.33E-08	1.16E-07	2.05E-08	1.39E-08	5.31E-07	2.75E-07	1.17E-07	1.37E-07	5.39E-08	2.75E-07	1.17E-07
4239	483363.09	3856377.25	1.07E-03	1.10E-03	1.04E-03	3.71E-07	1.12E-06	6.48E-07	6.64E-07	6.02E-07	2.75E-07	2.59E-07	1.24E-08	2.99E-07	6.60E-08	9.02E-08	1.43E-07	2.52E-08	1.71E-08	6.53E-07	3.38E-07	1.43E-07	1.69E-07	6.63E-08	3.38E-07	1.43E-07
4240	483863.09	3856377.25	1.49E-03	1.52E-03	1.44E-03	5.14E-07	1.55E-06	8.99E-07	9.21E-07	8.35E-07	3.81E-07	3.59E-07	1.72E-08	4.15E-07	9.16E-08	1.25E-07	1.98E-07	3.50E-08	2.37E-08	9.06E-07	4.69E-07	1.99E-07	2.34E-07	9.20E-08	4.69E-07	1.99E-07
4241	484363.09	3856377.25	2.73E-03	2.80E-03	2.64E-03	9.46E-07	2.86E-06	1.65E-06	1.69E-06	1.53E-06	7.00E-07	6.61E-07	3.16E-08	7.63E-07	1.68E-07	2.30E-07	3.65E-07	6.43E-08	4.36E-08	1.67E-06	8.62E-07	3.66E-07	4.30E-07	1.69E-07	8.62E-07	3.66E-07
4242	484863.09	3856377.25	2.81E-02	2.88E-02	2.71E-02	9.72E-06	2.93E-05	1.70E-05	1.74E-05	1.58E-05	7.20E-06	6.79E-06	3.25E-07	7.84E-06	1.73E-06	2.36E-06	3.75E-06	6.60E-07	4.48E-07	1.71E-05	8.86E-06	3.76E-06	4.42E-06	1.74E-06	8.86E-06	3.76E-06
4243	485363.09	3856377.25	7.84E-03	8.03E-03	7.58E-03	2.72E-06	8.20E-06	4.75E-06	4.86E-06	4.41E-06	2.01E-06	1.90E-06	9.07E-08	2.19E-06	4.83E-07	6.60E-07	1.05E-06	1.85E-07	1.25E-07	4.78E-06	2.48E-06	1.05E-06	1.24E-06	4.85E-07	2.48E-06	1.05E-06
4244	485863.09	3856377.25	3.76E-03	3.85E-03	3.63E-03	1.30E-06	3.93E-06	2.28E-06	2.33E-06	2.11E-06	9.64E-07	9.10E-07	4.35E-08	1.05E-06	2.32E-07	3.17E-07	5.02E-07	8.85E-08	6.00E-08	2.29E-06	1.19E-06	5.04E-07	5.93E-07	2.33E-07	1.19E-06	5.04E-07
4245	486363.09	3856377.25	2.29E-03	2.35E-03	2.22E-03	7.94E-07	2.40E-06	1.39E-06	1.42E-06	1.29E-06	5.88E-07	5.55E-07	2.65E-08	6.40E-07	1.41E-07	1.93E-07	3.06E-07	5.40E-08	3.66E-08	1.40E-06	7.24E-07	3.07E-07	3.61E-07	1.42E-07	7.24E-07	3.07E-07
4246	486863.09	3856377.25	1.87E-03	1.92E-03	1.81E-03	6.47E-07	1.95E-06	1.13E-06	1.16E-06	1.05E-06	4.79E-07	4.52E-07	2.16E-08	5.22E-07	1.15E-07	1.57E-07	2.50E-07	4.40E-08	2.98E-08	1.14E-06	5.90E-07	2.50E-07	2.95E-07	1.16E-07	5.90E-07	2.50E-07
4247	487363.09	3856377.25	1.64E-03	1.68E-03	1.59E-03	5.69E-07	1.72E-06	9.94E-07	1.02E-06	9.23E-07	4.21E-07	3.97E-07	1.90E-08	4.59E-07	1.01E-07	1.38E-07	2.19E-07	3.86E-08	2.62E-08	1.00E-06	5.18E-07	2.20E-07	2.59E-07	1.02E-07	5.18E-07	2.20E-07
4248	487863.09	3856377.25	1.51E-03	1.54E-03	1.46E-03	5.22E-07	1.58E-06	9.13E-07	9.35E-07	8.47E-07	3.87E-07	3.65E-07	1.74E-08	4.21E-07	9.29E-08	1.27E-07	2.01E-07	3.55E-08	2.41E-08	9.19E-07	4.76E-07	2.02E-07	2.38E-07	9.33E-08	4.76E-07	2.02E-07
4249	488363.09	3856377.25	1.39E-03	1.42E-03	1.34E-03	4.80E-07	1.45E-06	8.39E-07	8.59E-07	7.79E-07	3.55E-07	3.35E-07	1.60E-08	3.87E-07	8.54E-08	1.17E-07	1.85E-07	3.26E-08	2.21E-08	8.45E-07	4.37E-07	1.86E-07	2.18E-07	8.58E-08	4.37E-07	1.86E-07
4250	488863.09	3856377.25	1.28E-03	1.31E-03	1.23E-03	4.42E-07	1.34E-06	7.73E-07	7.92E-07	7.18E-07	3.28E-07	3.09E-07	1.48E-08	3.57E-07	7.87E-08	1.08E-07	1.71E-07	3.01E-08	2.04E-08	7.79E-07	4.03E-07	1.71E-07	2.01E-07	7.91E-08	4.03E-07	1.71E-07
4251	489363.09	3856377.25	1.19E-03	1.21E-03	1.14E-03	4.10E-07	1.24E-06	7.17E-07	7.34E-07	6.66E-07	3.04E-07	2.87E-07	1.37E-08	3.31E-07	7.30E-08	9.97E-08	1.58E-07	2.79E-08	1.89E-08	7.22E-07	3.74E-07	1.59E-07	1.87E-07	7.33E-08	3.74E-07	1.59E-07
4252	489863.09	3856377.25	1.10E-03	1.13E-03	1.07E-03	3.82E-07	1.15E-06	6.68E-07	6.84E-07	6.20E-07	2.83E-07	2.67E-07	1.28E-08	3.08E-07	6.80E-08	9.29E-08	1.47E-07	2.60E-08	1.76E-08	6.73E-07	3.48E-07	1.48E-07	1.74E-07	6.83E-08	3.48E-07	1.48E-07
4253	490363.09	3856377.25	1.02E-03	1.05E-03	9.90E-04	3.55E-07	1.07E-06	6.20E-07	6.35E-07	5.75E-07	2.63E-07	2.48E-07	1.18E-08	2.86E-07	6.31E-08	8.62E-08	1.37E-07	2.41E-08	1.63E-08	6.24E-07	3.23E-07	1.37E-07	1.61E-07	6.34E-08	3.23E-07	1.37E-07
4254	490863.09	3856377.25	9.53E-04	9.77E-04	9.21E-04	3.30E-07	9.97E-07	5.77E-07	5.91E-07	5.36E-07	2.44E-07	2.31E-07	1.10E-08	2.66E-07	5.87E-08	8.02E-08	1.27E-07	2.24E-08	1.52E-08	5.81E-07	3.01E-07	1.28E-07	1.50E-07	5.90E-08	3.01E-07	1.28E-07
4255	491363.09	3856377.25	9.02E-04	9.24E-04	8.71E-04	3.12E-07	9.43E-07	5.46E-07	5.59E-07	5.07E-07	2.31E-07	2.18E-07	1.04E-08	2.52E-07	5.56E-08	7.59E-08	1.20E-07	2.12E-08	1.44E-08	5.50E-07	2.85E-07	1.21E-07	1.42E-07	5.58E-08	2.85E-07	1.21E-07
4256	491863.09	3856377.25	8.52E-04	8.72E-04	8.23E-04	2.95E-07	8.90E-07	5.15E-07	5.28E-07	4.78E-07	2.18E-07	2.06E-07	9.84E-09	2.38E-07	5.25E-08	7.17E-08	1.14E-07	2.00E-08	1.36E-08	5.19E-07	2.69E-07	1.14E-07	1.34E-07	5.27E-08	2.69E-07	1.14E-07
4257	492363.09	3856377.25	7.93E-04	8.12E-04	7.66E-04	2.74E-07	8.28E-07	4.80E-07	4.91E-07	4.45E-07	2.03E-07	1.92E-07	9.16E-09	2.21E-07	4.88E-08	6.67E-08	1.06E-07	1.86E-08	1.26E-08	4.83E-07	2.50E-07	1.06E-07	1.25E-07	4.90E-08	2.50E-07	1.06E-07
4258	492863.09	3856377.25	7.04E-04	7.21E-04	6.80E-04	2.44E-07	7.36E-07	4.26E-07	4.36E-07	3.95E-07	1.80E-07	1.70E-07	8.14E-09	1.97E-07	4.34E-08	5.92E-08	9.40E-08	1.66E-08	1.12E-08	4.29E-07	2.22E-07	9.43E-08	1.11E-07	4.36E-08	2.22E-07	9.43E-08
4259	493363.09	3856377.25	5.74E-04	5.88E-04	5.55E-04	1.99E-07	6.00E-07	3.47E-07	3.56E-07	3.23E-07	1.47E-07	1.39E-07	6.64E-09	1.60E-07	3.54E-08	4.83E-08	7.66E-08	1.35E-08	9.16E-09	3.50E-07	1.81E-07	7.69E-08	9.04E-08	3.55E-08	1.81E-07	7.69E-08
4260	493863.09	3856377.25	5.17E-04	5.29E-04	4.99E-04	1.79E-07	5.40E-07	3.13E-07	3.20E-07	2.90E-07	1.32E-07	1.25E-07	5.97E-09	1.44E-07	3.18E-08	4.35E-08	6.89E-08	1.22E-08	8.24E-09	3.15E-07	1.63E-07	6.92E-08	8.14E-08	3.20E-08	1.63E-07	6.92E-08
4261	494363.09	3856377.25	4.55E-04	4.66E-04	4.39E-04	1.57E-07	4.75E-07	2.75E-07	2.82E-07	2.55E-07	1.17E-07	1.10E-07	5.25E-09	1.27E-07	2.80E-08	3.82E-08	6.07E-08	1.07E-08	7.25E-09	2.77E-07	1.43E-07	6.09E-08	7.16E-08	2.81E-08	1.43E-07	6.09E-08
4262	494863.09	3856377.25	4.07E-04	4.17E-04	3.94E-04	1.41E-07	4.26E-07	2.46E-07	2.52E-07	2.29E-07	1.04E-07	9.85E-08	4.71E-09	1.14E-07	2.51E-08	3.43E-08	5.44E-08	9.58E-09	6.50E-09	2.48E-07	1.29E-07	5.45E-08	6.42E-08	2.52E-08	1.29E-07	5.45E-08
4263	495363.09	3856377.25	3.78E-04	3.87E-04	3.65E-04	1.31E-07	3.95E-07	2.29E-07	2.34E-07	2.12E-07	9.69E-08	9.14E-08	4.37E-09	1.05E-07	2.33E-08	3.18E-08	5.04E-08	8.89E-09	6.03E-09	2.30E-07	1.19E-07	5.06E-08	5.95E-08	2.34E-08	1.19E-07	5.06E-08
4264	495863.09	3856377.25	3.70E-04	3.79E-04	3.58E-04	1.28E-07	3.87E-07	2.24E-07	2.30E-07	2.08E-07	9.50E-08	8.96E-08	4.28E-09	1.03E-07	2.28E-08	3.12E-08	4.94E-08	8.71E-09	5.91E-09	2.26E-07	1.17E-07	4.96E-08	5.84E-08	2.29E-08	1.17E-07	4.96E-08
4265	496363.09	3856377.25	3.70E-04	3.79E-04	3.58E-04	1.28E-07	3.87E-07	2.24E-07	2.30E-07	2.08E-07	9.50E-08	8.96E-08	4.28E-09	1.03E-07	2.28E-08	3.12E-08	4.94E-08	8.71E-09	5.91E-09	2.26E-07	1.17E-07	4.96E-08	5.84E-08	2.29E-08	1.17E-07	4.96E-08
4266	496863.09	3856377.25	3.78E-04	3.87E-04	3.65E-04	1.31E-07	3.95E-07	2.29E-07	2.34E-07	2.12E-07	9.69E-08	9.14E-08	4.37E-09	1.05E-07	2.33E-08	3.18E-08	5.04E-08	8.89E-09	6.03E-09	2.30E-07	1.19E-07	5.06E-08	5.95E-08	2.34E-08	1.19E-07	5.06E-08
4267	497363.09	3856377.25	3.87E-04	3.96E-04	3.74E-04	1.34E-07	4.04E-07	2.34E-07	2.40E-07	2.17E-07	9.91E-08	9.35E-08	4.47E-09	1.08E-07	2.38E-08	3.25E-08	5.16E-08	9.10E-09	6.17E-09	2.36E-07	1.22E-07	5.18E-08	6.09E-08	2.39E-08	1.22E-07	5.18E-08
4268	497863.09	3856377.25	3.98E-04	4.08E-04	3.85E-04	1.38E-07	4.16E-07	2.41E-07	2.47E-07	2.24E-07	1.02E-07	9.64E-08	4.61E-09	1.11E-07	2.46E-08	3.35E-08	5.32E-08	9.37E-09	6.36E-09	2.43E-07	1.26E-07	5.34E-08	6.28E-08	2.47E-08	1.26E-07	5.34E-08
4269	498363.09	3856377.25	4.15E-04	4.25E-04	4.01E-04	1.44E-07	4.33E-07	2.51E-07	2.57E-07	2.33E-07	1.06E-07	1.00E-07	4.79E-09	1.16E-07	2.56E-08	3.49E-08	5.54E-08	9.76E-09	6.61E-09	2.53E-07	1.31E-07	5.55E-08	6.53E-08	2.57E-08	1.31E-07	5.55E-08
4270	471363.09	3856877.25	1.89E-04	1.93E-04	1.83E-04	6.54E-08	1.97E-07	1.14E-07	1.17E-07	1.06E-07	4.84E-08	4.57E-08	2.18E-09	5.27E-08	1.16E-08	1.59E-08	2.52E-08	4.44E-09	3.01E-09	1.15E-07	5.96E-08	2.53E-08	2.98E-08	1.17E-08	5.96E-08	2.53E-08
4271	471863.09	3856877.25	1.92E-04	1.97E-04	1.85E-04	6.64E-08	2.01E-07	1.16E-07	1.19E-07	1.08E-07	4.92E-08	4.64E-08	2.22E-09	5.36E-08	1.18E-08	1.61E-08	2.56E-08	4.51E-09	3.06E-09	1.17E-07	6.06E-08	2.57E-08	3.02E-08	1.19E-08	6.06E-08	2.57E-08
4272	472363.09	3856877.25	1.98E-04	2.03E-04	1.91E-04	6.85E-08	2.07E-07	1.20E-07	1.23E-07	1.11E-07	5.07E-08	4.78E-08	2.29E-09	5.52E-08	1.22E-08	1.66E-08	2.64E-08	4.65E-09	3.15E-09	1.21E-07	6.24E-08	2.65E-08	3.12E-08	1.22E-08	6.24E-08	2.65E-08
4273	472863.09	3856877.25	2.04E-04	2.09E-04	1.97E-04	7.05E-08	2.13E-07	1.23E-07	1.26E-07	1.14E-07	5.22E-08	4.92E-08	2.35E-09	5.69E-08	1.25E-08	1.71E-08	2.72E-08	4.79E-09	3.25E-09	1.24E-07	6.43E-08	2.73E-08	3.21E-08	1.26E-08	6.43E-08	2.73E-08
4274	473363.09	3856877.25	2.15E-04	2.21E-04	2.08E-04	7.46E-08	2.25E-07	1.30E-07	1.34E-07	1.21E-07	5.52E-08	5.21E-08	2.49E-09	6.02E-08	1.33E-08	1.81E-08	2.88E-08	5.07E-09	3.44E-09	1.31E-07	6.80E-08	2.89E-08	3.39E-08	1.33E-08	6.80E-08	2.89E-08
4275	473863.09	3856877.25	2.23E-04	2.28E-04	2.15E-04	7.71E-08	2.33E-07	1.35E-07	1.38E-07	1.25E-07	5.71E-08	5.39E-08	2.58E-09	6.22E-08	1.37E-08	1.88E-08	2.97E-08	5.24E-09	3.55E-09	1.36E-07	7.03E-08	2.98E-08	3.51E-08	1.38E-08	7.03E-08	2.98E-08
4276	474363.09	3856877.25	2.23E-04	2.28E-04	2.15E-04	7.71E-08	2.33E-07	1.35E-07	1.38E-07	1.25E-07	5.71E-08	5.39E-08	2.58E-09	6.22E-08	1.37E-08	1.88E-08	2.97E-08	5.24E-09	3.55E-09	1.36E-07	7.03E-08	2.98E-08	3.51E-08	1.38E-08	7.03E-08	2.98E-08
4277	474863.09	3856877.25	2.17E-04	2.22E-04	2.10E-04	7.51E-08	2.27E-07	1.31E-07	1.34E-07	1.22E-07	5.56E-08	5.25E-08	2.51E-09	6.06E-08	1.34E-08	1.83E-08	2.90E-08	5.10E-09	3.46E-09	1.32E-07	6.85E-08	2.91E-08	3.42E-08	1.34E-08	6.85E-08	2.91E-08
4278	475363.09	3856877.25	2.07E-04	2.12E-04	2.00E-04	7.15E-08	2.16E-07	1.25E-07	1.28E-07	1.16E-07	5.30E-08	5.00E-08	2.39E-09	5.77E-08	1.27E-08	1.74E-08	2.76E-08	4.86E-09	3.30E-09	1.26E-07	6.52E-08	2.77E-08	3.26E-08	1.28E-08	6.52E-08	2.77E-08
4279	475863.09	3856877.25	2.08E-04	2.13E-04	2.01E-04	7.20E-08	2.18E-07	1.26E-07	1.29E-07	1.17E-07	5.33E-08	5.03E-08	2.41E-09	5.81E-08	1.28E-08	1.75E-08	2.78E-08	4.90E-09	3.32E-09	1.27E-07	6.57E-08	2.79E-08	3.28E-08	1.29E-08	6.57E-08	2.79E-08
4280	476363.09	3856877.25	2.01E-04	2.06E-04	1.94E-04	6.95E-08	2.10E-07	1.21E-07	1.24E-07	1.13E-07	5.15E-08	4.85E-08	2.32E-09	5.60E-08	1.24E-08	1.69E-08	2.68E-08	4.72E-09	3.20E-09	1.22E-07	6.34E-08	2.69E-08	3.16E-08	1.24E-08	6.34E-08	2.69E-08
4281	476863.09	3856877.25	2.02E-04	2.07E-04	1.95E-04	7.00E-08	2.11E-07	1.22E-07	1.25E-07	1.14E-07	5.18E-08	4.89E-08	2.34E-09	5.65E-08	1.25E-08	1.70E-08	2.70E-08	4.76E-09	3.22E-09	1.23E-07	6.38E-08	2.71E-08	3.19E-08	1.25E-08	6.38E-08	2.71E-08
4282	477363.09	3856877.25	2.01E-04	2.06E-04	1.94E-04	6.95E-08	2.10E-07	1.21E-07	1.24E-07	1.13E-07	5.15E-08	4.85E-08	2.32E-09	5.60E-08	1.24E-08	1.69E-08	2.68E-08	4.72E-09	3.20E-09	1.22E-07	6.34E-08	2.69E-08	3.16E-08	1.24E-08	6.34E-08	2.69E-08
4283	477863.09	3856877.25	1.90E-04	1.95E-04	1.84E-04	6.59E-08	1.99E-07	1.15E-07	1.18E-07	1.07E-07	4.88E-08	4.60E-08	2.20E-09	5.32E-08	1.17E-08	1.60E-08	2.54E-08	4.48E-09	3.04E-09	1.16E-07	6.01E-08	2.55E-08	3.00E-08	1.18E-08	6.01E-08	2.55E-08
4284	478363.09	3856877.25	1.92E-04	1.97E-04	1.85E-04	6.64E-08	2.01E-07	1.16E-07	1.19E-07	1.08E-07	4.92E-08	4.64E-08	2.22E-09	5.36E-08	1.18E-08	1.61E-08	2.56E-08	4.51E-09	3.06E-09	1.17E-07	6.06E-08	2.57E-08	3.02E-08	1.19E-08	6.06E-08	2.57E-08
4285	478863.09	3856877.25	2.10E-04	2.15E-04	2.02E-04	7.25E-08	2.19E-07	1.27E-07	1.30E-07	1.18E-07	5.37E-08	5.07E-08	2.42E-09	5.85E-08	1.29E-08	1.76E-08	2.80E-08	4.93E-09	3.34E-09	1.28E-07	6.61E-08	2.81E-08	3.30E-08	1.30E-08	6.61E-08	2.81E-08
4286	479363.09	3856877.25	2.30E-04	2.36E-04	2.22E-04	7.97E-08	2.41E-07	1.39E-07	1.43E-07	1.29E-07	5.90E-08	5.57E-08	2.66E-09	6.43E-08	1.42E-08	1.94E-08	3.07E-08	5.42E-09	3.67E-09	1.40E-07	7.27E-08	3.08E-08	3.63E-08	1.42E-08	7.27E-08	3.08E-08
4287	479863.09	3856877.25	2.95E-04	3.02E-04	2.85E-04	1.02E-07	3.09E-07	1.79E-07	1.83E-07	1.66E-07	7.57E-08	7.14E-08	3.41E-09	8.24E-08	1.82E-08	2.48E-08	3.94E-08	6.94E-09	4.71E-09	1.80E-07	9.32E-08	3.95E-08	4.65E-08	1.83E-08	9.32E-08	3.95E-08
4288	480363.09	3856877.25	3.53E-04	3.61E-04	3.41E-04	1.22E-07	3.69E-07	2.13E-07	2.19E-07	1.98E-07	9.04E-08	8.53E-08	4.08E-09	9.85E-08	2.17E-08	2.97E-08	4.71E-08	8.30E-09	5.63E-09	2.15E-07	1.11E-07	4.72E-08	5.56E-08	2.18E-08	1.11E-07	4.72E-08
4289	480863.09	3856877.25	4.25E-04	4.35E-04	4.11E-04	1.47E-07	4.44E-07	2.57E-07	2.63E-07	2.39E-07	1.09E-07	1.03E-07	4.91E-09	1.19E-07	2.62E-08	3.58E-08	5.67E-08	1.00E-08	6.78E-09	2.59E-07	1.34E-07	5.69E-08	6.70E-08	2.63E-08	1.34E-07	5.69E-08
4290	481363.09	3856877.25	4.94E-04	5.06E-04	4.78E-04	1.71E-07	5.17E-07	2.99E-07	3.06E-07	2.78E-07	1.27E-07	1.20E-07	5.72E-09	1.38E-07	3.05E-08	4.16E-08	6.60E-08	1.16E-08	7.89E-09	3.01E-07	1.56E-07	6.62E-08	7.79E-08	3.06E-08	1.56E-07	6.62E-08
4291	481863.09	3856877.25	5.51E-04	5.64E-04	5.32E-04	1.91E-07	5.75E-07	3.33E-07	3.41E-07	3.09E-07	1.41E-07	1.33E-07	6.36E-09	1.54E-07	3.39E-08	4.63E-08	7.35E-08	1.30E-08	8.78E-09	3.36E-07	1.74E-07	7.37E-08	8.67E-08	3.41E-08	1.74E-07	7.37E-08
4292	482363.09	3856877.25	6.48E-04	6.64E-04	6.26E-04	2.24E-07	6.77E-07	3.92E-07	4.02E-07	3.64E-07	1.66E-07	1.57E-07	7.49E-09	1.81E-07	3.99E-08	5.45E-08	8.65E-08	1.52E-08	1.03E-08	3.95E-07	2.04E-07	8.68E-08	1.02E-07	4.01E-08	2.04E-07	8.68E-08
4293	482863.09	3856877.25	7.34E-04	7.51E-04	7.09E-04	2.54E-07	7.67E-07	4.44E-07	4.55E-07	4.12E-07	1.88E-07	1.77E-07	8.48E-09	2.05E-07	4.52E-08	6.17E-08	9.79E-08	1.73E-08	1.17E-08	4.47E-07	2.32E-07	9.82E-08	1.16E-07	4.54E-08	2.32E-07	9.82E-08
4294	483363.09	3856877.25	8.49E-04	8.69E-04	8.20E-04	2.94E-07	8.87E-07	5.13E-07	5.26E-07	4.77E-07	2.18E-07	2.05E-07	9.81E-09	2.37E-07	5.23E-08	7.14E-08	1.13E-07	2.00E-08	1.35E-08	5.17E-07	2.68E-07	1.14E-07	1.34E-07	5.25E-08	2.68E-07	1.14E-07
4295	483863.09	3856877.25	1.03E-03	1.06E-03	9.97E-04	3.57E-07	1.08E-06	6.24E-07	6.39E-07	5.80E-07	2.64E-07	2.49E-07	1.19E-08	2.88E-07	6.36E-08	8.68E-08	1.38E-07	2.43E-08	1.65E-08	6.29E-07	3.26E-07	1.38E-07	1.63E-07	6.38E-08	3.26E-07	1.38E-07
4296	484363.09	3856877.25	1.41E-03	1.44E-03	1.36E-03	4.87E-07	1.47E-06	8.52E-07	8.73E-07	7.91E-07	3.61E-07	3.40E-07	1.63E-08	3.93E-07	8.68E-08	1.18E-07	1.88E-07	3.31E-08	2.25E-08	8.58E-07	4.44E-07	1.89E-07	2.22E-07	8.71E-08	4.44E-07	1.89E-07
4297	484863.09	3856877.25	2.27E-03	2.33E-03	2.20E-03	7.87E-07	2.38E-06	1.38E-06	1.41E-06	1.28E-06	5.83E-07	5.50E-07	2.63E-08	6.35E-07	1.40E-07	1.91E-07	3.03E-07	5.35E-08	3.62E-08	1.39E-06	7.17E-07	3.04E-07	3.58E-07	1.41E-07	7.17E-07	3.04E-07
4298	485363.09	3856877.25	8.50E-03	8.71E-03	8.21E-03	2.94E-06	8.88E-06	5.14E-06	5.27E-06	4.77E-06	2.18E-06	2.06E-06	9.82E-08	2.37E-06	5.24E-07	7.15E-07	1.13E-06	2.00E-07	1.36E-07	5.18E-06	2.68E-06	1.14E-06	1.34E-06	5.26E-07	2.68E-06	1.14E-06
4299	485863.09	3856877.25	1.11E-02	1.14E-02	1.07E-02	3.84E-06	1.16E-05	6.71E-06	6.87E-06	6.23E-06	2.84E-06	2.68E-06	1.28E-07	3.09E-06	6.83E-07	9.32E-07	1.48E-06	2.61E-07	1.77E-07	6.75E-06	3.50E-06	1.48E-06	1.75E-06	6.86E-07	3.50E-06	1.48E-06
4300	486363.09	3856877.25	3.64E-03	3.73E-03	3.52E-03	1.26E-06	3.81E-06	2.20E-06	2.26E-06	2.05E-06	9.33E-07	8.80E-07	4.21E-08	1.02E-06	2.24E-07	3.06E-07	4.86E-07	8.57E-08	5.81E-08	2.22E-06	1.15E-06	4.88E-07	5.74E-07	2.25E-07	1.15E-06	4.88E-07
4301	486863.09	3856877.25	2.63E-03	2.69E-03	2.54E-03	9.10E-07	2.75E-06	1.59E-06	1.63E-06	1.48E-06	6.74E-07	6.36E-07	3.04E-08	7.34E-07	1.62E-07	2.21E-07	3.51E-07	6.18E-08	4.19E-08	1.60E-06	8.30E-07	3.52E-07	4.14E-07	1.63E-07	8.30E-07	3.52E-07
4302	487363.09	3856877.25	2.18E-03	2.24E-03	2.11E-03	7.56E-07	2.28E-06	1.32E-06	1.35E-06	1.23E-06	5.60E-07	5.28E-07	2.52E-08	6.10E-07	1.35E-07	1.84E-07	2.92E-07	5.14E-08	3.48E-08	1.33E-06	6.89E-07	2.93E-07	3.44E-07	1.35E-07	6.89E-07	2.93E-07
4303	487863.09	3856877.25	1.90E-03	1.95E-03	1.84E-03	6.58E-07	1.99E-06	1.15E-06	1.18E-06	1.07E-06	4.87E-07	4.59E-07	2.20E-08	5.30E-07	1.17E-07	1.60E-07	2.54E-07	4.47E-08	3.03E-08	1.16E-06	5.99E-07	2.54E-07	2.99E-07	1.18E-07	5.99E-07	2.54E-07
4304	488363.09	3856877.25	1.71E-03	1.75E-03	1.65E-03	5.92E-07	1.79E-06	1.03E-06	1.06E-06	9.61E-07	4.38E-07	4.14E-07	1.98E-08	4.78E-07	1.05E-07	1.44E-07	2.28E-07	4.02E-08	2.73E-08	1.04E-06	5.40E-07	2.29E-07	2.69E-07	1.06E-07	5.40E-07	2.29E-07
4305	488863.09	3856877.25	1.54E-03	1.58E-03	1.49E-03	5.34E-07	1.61E-06	9.34E-07	9.57E-07	8.67E-07	3.96E-07	3.73E-07	1.78E-08	4.31E-07	9.51E-08	1.30E-07	2.06E-07	3.63E-08	2.46E-08	9.41E-07	4.87E-07	2.07E-07	2.43E-07	9.55E-08	4.87E-07	2.07E-07

4306	489363.09	3856877.25	1.41E-03	1.45E-03	1.37E-03	4.89E-07	1.48E-06	8.55E-07	8.76E-07	7.94E-07	3.62E-07	3.42E-07	1.63E-08	3.95E-07	8.71E-08	1.19E-07	1.89E-07	3.33E-08	2.25E-08	8.62E-07	4.46E-07	1.89E-07	2.23E-07	8.75E-08	4.46E-07	1.89E-07
4307	489863.09	3856877.25	1.29E-03	1.33E-03	1.25E-03	4.48E-07	1.35E-06	7.83E-07	8.02E-07	7.27E-07	3.32E-07	3.13E-07	1.50E-08	3.61E-07	7.97E-08	1.09E-07	1.73E-07	3.04E-08	2.06E-08	7.89E-07	4.09E-07	1.73E-07	2.04E-07	8.01E-08	4.09E-07	1.73E-07
4308	490363.09	3856877.25	1.18E-03	1.21E-03	1.14E-03	4.08E-07	1.23E-06	7.14E-07	7.31E-07	6.62E-07	3.02E-07	2.85E-07	1.36E-08	3.29E-07	7.27E-08	9.92E-08	1.57E-07	2.77E-08	1.88E-08	7.19E-07	3.72E-07	1.58E-07	1.86E-07	7.30E-08	3.72E-07	1.58E-07
4309	490863.09	3856877.25	1.08E-03	1.11E-03	1.05E-03	3.76E-07	1.13E-06	6.56E-07	6.72E-07	6.09E-07	2.78E-07	2.62E-07	1.25E-08	3.03E-07	6.68E-08	9.13E-08	1.45E-07	2.55E-08	1.73E-08	6.61E-07	3.42E-07	1.45E-07	1.71E-07	6.71E-08	3.42E-07	1.45E-07
4310	491363.09	3856877.25	1.00E-03	1.03E-03	9.70E-04	3.47E-07	1.05E-06	6.07E-07	6.22E-07	5.64E-07	2.57E-07	2.43E-07	1.16E-08	2.80E-07	6.18E-08	8.44E-08	1.34E-07	2.36E-08	1.60E-08	6.12E-07	3.17E-07	1.34E-07	1.58E-07	6.21E-08	3.17E-07	1.34E-07
4311	491863.09	3856877.25	9.27E-04	9.49E-04	8.95E-04	3.21E-07	9.69E-07	5.61E-07	5.74E-07	5.21E-07	2.38E-07	2.24E-07	1.07E-08	2.59E-07	5.71E-08	7.80E-08	1.24E-07	2.18E-08	1.48E-08	5.65E-07	2.93E-07	1.24E-07	1.46E-07	5.74E-08	2.93E-07	1.24E-07
4312	492363.09	3856877.25	7.87E-04	8.06E-04	7.60E-04	2.72E-07	8.22E-07	4.76E-07	4.88E-07	4.42E-07	2.02E-07	1.90E-07	9.09E-09	2.20E-07	4.85E-08	6.62E-08	1.05E-07	1.85E-08	1.25E-08	4.79E-07	2.48E-07	1.05E-07	1.24E-07	4.87E-08	2.48E-07	1.05E-07
4313	492863.09	3856877.25	6.89E-04	7.06E-04	6.66E-04	2.39E-07	7.20E-07	4.17E-07	4.27E-07	3.87E-07	1.77E-07	1.67E-07	7.97E-09	1.92E-07	4.25E-08	5.80E-08	9.20E-08	1.62E-08	1.10E-08	4.20E-07	2.18E-07	9.23E-08	1.09E-07	4.27E-08	2.18E-07	9.23E-08
4314	493363.09	3856877.25	5.99E-04	6.14E-04	5.79E-04	2.07E-07	6.26E-07	3.63E-07	3.71E-07	3.37E-07	1.54E-07	1.45E-07	6.93E-09	1.67E-07	3.69E-08	5.04E-08	8.00E-08	1.41E-08	9.56E-09	3.65E-07	1.89E-07	8.02E-08	9.44E-08	3.71E-08	1.89E-07	8.02E-08
4315	493863.09	3856877.25	5.14E-04	5.26E-04	4.96E-04	1.78E-07	5.37E-07	3.11E-07	3.18E-07	2.89E-07	1.32E-07	1.24E-07	5.94E-09	1.43E-07	3.16E-08	4.32E-08	6.86E-08	1.21E-08	8.19E-09	3.13E-07	1.62E-07	6.88E-08	8.09E-08	3.18E-08	1.62E-07	6.88E-08
4316	494363.09	3856877.25	4.53E-04	4.64E-04	4.38E-04	1.57E-07	4.74E-07	2.74E-07	2.81E-07	2.55E-07	1.16E-07	1.10E-07	5.24E-09	1.27E-07	2.79E-08	3.81E-08	6.05E-08	1.07E-08	7.23E-09	2.76E-07	1.43E-07	6.07E-08	7.14E-08	2.80E-08	1.43E-07	6.07E-08
4317	494863.09	3856877.25	4.24E-04	4.34E-04	4.09E-04	1.47E-07	4.43E-07	2.56E-07	2.63E-07	2.38E-07	1.09E-07	1.02E-07	4.90E-09	1.18E-07	2.61E-08	3.56E-08	5.65E-08	9.96E-09	6.76E-09	2.58E-07	1.34E-07	5.67E-08	6.67E-08	2.62E-08	1.34E-07	5.67E-08
4318	495363.09	3856877.25	4.06E-04	4.16E-04	3.92E-04	1.40E-07	4.24E-07	2.46E-07	2.52E-07	2.28E-07	1.04E-07	9.81E-08	4.69E-09	1.13E-07	2.50E-08	3.41E-08	5.42E-08	9.55E-09	6.47E-09	2.47E-07	1.28E-07	5.44E-08	6.39E-08	2.51E-08	1.28E-07	5.44E-08
4319	495863.09	3856877.25	4.00E-04	4.10E-04	3.86E-04	1.38E-07	4.18E-07	2.42E-07	2.48E-07	2.25E-07	1.03E-07	9.67E-08	4.62E-09	1.12E-07	2.46E-08	3.37E-08	5.34E-08	9.41E-09	6.38E-09	2.44E-07	1.26E-07	5.36E-08	6.30E-08	2.48E-08	1.26E-07	5.36E-08
4320	496363.09	3856877.25	3.97E-04	4.07E-04	3.84E-04	1.37E-07	4.15E-07	2.40E-07	2.46E-07	2.23E-07	1.02E-07	9.60E-08	4.59E-09	1.11E-07	2.45E-08	3.34E-08	5.30E-08	9.34E-09	6.33E-09	2.42E-07	1.25E-07	5.32E-08	6.25E-08	2.46E-08	1.25E-07	5.32E-08
4321	496863.09	3856877.25	4.01E-04	4.11E-04	3.88E-04	1.39E-07	4.20E-07	2.43E-07	2.49E-07	2.26E-07	1.03E-07	9.71E-08	4.64E-09	1.12E-07	2.47E-08	3.38E-08	5.36E-08	9.44E-09	6.40E-09	2.45E-07	1.27E-07	5.38E-08	6.32E-08	2.48E-08	1.27E-07	5.38E-08
4322	497363.09	3856877.25	4.10E-04	4.20E-04	3.96E-04	1.42E-07	4.29E-07	2.48E-07	2.54E-07	2.30E-07	1.05E-07	9.92E-08	4.74E-09	1.15E-07	2.53E-08	3.45E-08	5.48E-08	9.65E-09	6.54E-09	2.50E-07	1.29E-07	5.49E-08	6.46E-08	2.54E-08	1.29E-07	5.49E-08
4323	497863.09	3856877.25	4.29E-04	4.40E-04	4.15E-04	1.49E-07	4.49E-07	2.60E-07	2.66E-07	2.41E-07	1.10E-07	1.04E-07	4.96E-09	1.20E-07	2.65E-08	3.61E-08	5.73E-08	1.01E-08	6.85E-09	2.62E-07	1.36E-07	5.75E-08	6.77E-08	2.66E-08	1.36E-07	5.75E-08
4324	498363.09	3856877.25	4.52E-04	4.63E-04	4.36E-04	1.56E-07	4.72E-07	2.73E-07	2.80E-07	2.54E-07	1.16E-07	1.09E-07	5.22E-09	1.26E-07	2.78E-08	3.80E-08	6.03E-08	1.06E-08	7.20E-09	2.75E-07	1.43E-07	6.05E-08	7.11E-08	2.79E-08	1.43E-07	6.05E-08
4325	471363.09	3857377.25	1.84E-04	1.89E-04	1.78E-04	6.39E-08	1.93E-07	1.12E-07	1.14E-07	1.04E-07	4.73E-08	4.46E-08	2.13E-09	5.15E-08	1.14E-08	1.55E-08	2.46E-08	4.34E-09	2.94E-09	1.12E-07	5.82E-08	2.47E-08	2.91E-08	1.14E-08	5.82E-08	2.47E-08
4326	471863.09	3857377.25	1.87E-04	1.92E-04	1.81E-04	6.49E-08	1.96E-07	1.13E-07	1.16E-07	1.05E-07	4.80E-08	4.53E-08	2.17E-09	5.23E-08	1.15E-08	1.58E-08	2.50E-08	4.41E-09	2.99E-09	1.14E-07	5.92E-08	2.51E-08	2.95E-08	1.16E-08	5.92E-08	2.51E-08
4327	472363.09	3857377.25	1.92E-04	1.97E-04	1.85E-04	6.64E-08	2.01E-07	1.16E-07	1.19E-07	1.08E-07	4.92E-08	4.64E-08	2.22E-09	5.36E-08	1.18E-08	1.61E-08	2.56E-08	4.51E-09	3.06E-09	1.17E-07	6.06E-08	2.57E-08	3.02E-08	1.19E-08	6.06E-08	2.57E-08
4328	472863.09	3857377.25	1.98E-04	2.03E-04	1.91E-04	6.85E-08	2.07E-07	1.20E-07	1.23E-07	1.11E-07	5.07E-08	4.78E-08	2.29E-09	5.52E-08	1.22E-08	1.66E-08	2.64E-08	4.65E-09	3.15E-09	1.21E-07	6.24E-08	2.65E-08	3.12E-08	1.22E-08	6.24E-08	2.65E-08
4329	473363.09	3857377.25	2.05E-04	2.10E-04	1.98E-04	7.10E-08	2.14E-07	1.24E-07	1.27E-07	1.15E-07	5.26E-08	4.96E-08	2.37E-09	5.73E-08	1.26E-08	1.73E-08	2.74E-08	4.83E-09	3.27E-09	1.25E-07	6.47E-08	2.75E-08	3.23E-08	1.27E-08	6.47E-08	2.75E-08
4330	473863.09	3857377.25	2.15E-04	2.21E-04	2.08E-04	7.46E-08	2.25E-07	1.30E-07	1.34E-07	1.21E-07	5.52E-08	5.21E-08	2.49E-09	6.02E-08	1.33E-08	1.81E-08	2.88E-08	5.07E-09	3.44E-09	1.31E-07	6.80E-08	2.89E-08	3.39E-08	1.33E-08	6.80E-08	2.89E-08
4331	474363.09	3857377.25	2.10E-04	2.15E-04	2.02E-04	7.25E-08	2.19E-07	1.27E-07	1.30E-07	1.18E-07	5.37E-08	5.07E-08	2.42E-09	5.85E-08	1.29E-08	1.76E-08	2.80E-08	4.93E-09	3.34E-09	1.28E-07	6.61E-08	2.81E-08	3.30E-08	1.30E-08	6.61E-08	2.81E-08
4332	474863.09	3857377.25	1.90E-04	1.95E-04	1.84E-04	6.59E-08	1.99E-07	1.15E-07	1.18E-07	1.07E-07	4.88E-08	4.60E-08	2.20E-09	5.32E-08	1.17E-08	1.60E-08	2.54E-08	4.48E-09	3.04E-09	1.16E-07	6.01E-08	2.55E-08	3.00E-08	1.18E-08	6.01E-08	2.55E-08
4333	475363.09	3857377.25	1.73E-04	1.77E-04	1.67E-04	5.98E-08	1.80E-07	1.04E-07	1.07E-07	9.70E-08	4.43E-08	4.18E-08	2.00E-09	4.82E-08	1.06E-08	1.45E-08	2.30E-08	4.06E-09	2.75E-09	1.05E-07	5.45E-08	2.31E-08	2.72E-08	1.07E-08	5.45E-08	2.31E-08
4334	475863.09	3857377.25	1.71E-04	1.75E-04	1.65E-04	5.93E-08	1.79E-07	1.04E-07	1.06E-07	9.62E-08	4.39E-08	4.14E-08	1.98E-09	4.78E-08	1.05E-08	1.44E-08	2.29E-08	4.03E-09	2.73E-09	1.04E-07	5.40E-08	2.29E-08	2.70E-08	1.06E-08	5.40E-08	2.29E-08
4335	476363.09	3857377.25	1.87E-04	1.92E-04	1.81E-04	6.49E-08	1.96E-07	1.13E-07	1.16E-07	1.05E-07	4.80E-08	4.53E-08	2.17E-09	5.23E-08	1.15E-08	1.58E-08	2.50E-08	4.41E-09	2.99E-09	1.14E-07	5.92E-08	2.51E-08	2.95E-08	1.16E-08	5.92E-08	2.51E-08
4336	476863.09	3857377.25	1.95E-04	2.00E-04	1.88E-04	6.74E-08	2.04E-07	1.18E-07	1.21E-07	1.09E-07	4.99E-08	4.71E-08	2.25E-09	5.44E-08	1.20E-08	1.64E-08	2.60E-08	4.58E-09	3.11E-09	1.19E-07	6.15E-08	2.61E-08	3.07E-08	1.21E-08	6.15E-08	2.61E-08
4337	477363.09	3857377.25	1.93E-04	1.98E-04	1.87E-04	6.69E-08	2.02E-07	1.17E-07	1.20E-07	1.09E-07	4.96E-08	4.67E-08	2.23E-09	5.40E-08	1.19E-08	1.63E-08	2.58E-08	4.55E-09	3.08E-09	1.18E-07	6.10E-08	2.59E-08	3.05E-08	1.20E-08	6.10E-08	2.59E-08
4338	477863.09	3857377.25	1.87E-04	1.92E-04	1.81E-04	6.49E-08	1.96E-07	1.13E-07	1.16E-07	1.05E-07	4.80E-08	4.53E-08	2.17E-09	5.23E-08	1.15E-08	1.58E-08	2.50E-08	4.41E-09	2.99E-09	1.14E-07	5.92E-08	2.51E-08	2.95E-08	1.16E-08	5.92E-08	2.51E-08
4339	478363.09	3857377.25	1.83E-04	1.87E-04	1.77E-04	6.34E-08	1.91E-07	1.11E-07	1.13E-07	1.03E-07	4.69E-08	4.42E-08	2.12E-09	5.11E-08	1.13E-08	1.54E-08	2.44E-08	4.31E-09	2.92E-09	1.12E-07	5.78E-08	2.45E-08	2.88E-08	1.13E-08	5.78E-08	2.45E-08
4340	478863.09	3857377.25	1.80E-04	1.84E-04	1.74E-04	6.23E-08	1.88E-07	1.09E-07	1.12E-07	1.01E-07	4.62E-08	4.35E-08	2.08E-09	5.03E-08	1.11E-08	1.52E-08	2.40E-08	4.24E-09	2.87E-09	1.10E-07	5.68E-08	2.41E-08	2.84E-08	1.11E-08	5.68E-08	2.41E-08
4341	479363.09	3857377.25	2.08E-04	2.13E-04	2.01E-04	7.20E-08	2.18E-07	1.26E-07	1.29E-07	1.17E-07	5.33E-08	5.03E-08	2.41E-09	5.81E-08	1.28E-08	1.75E-08	2.78E-08	4.90E-09	3.32E-09	1.27E-07	6.57E-08	2.79E-08	3.28E-08	1.29E-08	6.57E-08	2.79E-08
4342	479863.09	3857377.25	2.66E-04	2.72E-04	2.57E-04	9.20E-08	2.78E-07	1.61E-07	1.65E-07	1.49E-07	6.81E-08	6.42E-08	3.07E-09	7.42E-08	1.64E-08	2.24E-08	3.55E-08	6.25E-09	4.24E-09	1.62E-07	8.38E-08	3.56E-08	4.19E-08	1.64E-08	8.38E-08	3.56E-08
4343	480363.09	3857377.25	2.61E-04	2.68E-04	2.52E-04	9.04E-08	2.73E-07	1.58E-07	1.62E-07	1.47E-07	6.70E-08	6.32E-08	3.02E-09	7.29E-08	1.61E-08	2.20E-08	3.49E-08	6.15E-09	4.17E-09	1.59E-07	8.24E-08	3.50E-08	4.12E-08	1.62E-08	8.24E-08	3.50E-08
4344	480863.09	3857377.25	3.98E-04	4.08E-04	3.85E-04	1.38E-07	4.16E-07	2.41E-07	2.47E-07	2.24E-07	1.02E-07	9.64E-08	4.61E-09	1.11E-07	2.46E-08	3.35E-08	5.32E-08	9.37E-09	6.36E-09	2.43E-07	1.26E-07	5.34E-08	6.28E-08	2.47E-08	1.26E-07	5.34E-08
4345	481363.09	3857377.25	4.16E-04	4.26E-04	4.02E-04	1.44E-07	4.35E-07	2.52E-07	2.58E-07	2.34E-07	1.07E-07	1.01E-07	4.81E-09	1.16E-07	2.56E-08	3.50E-08	5.56E-08	9.79E-09	6.64E-09	2.54E-07	1.31E-07	5.57E-08	6.56E-08	2.58E-08	1.31E-07	5.57E-08
4346	481863.09	3857377.25	4.77E-04	4.88E-04	4.61E-04	1.65E-07	4.98E-07	2.88E-07	2.95E-07	2.68E-07	1.22E-07	1.15E-07	5.51E-09	1.33E-07	2.94E-08	4.01E-08	6.36E-08	1.12E-08	7.60E-09	2.91E-07	1.50E-07	6.38E-08	7.51E-08	2.95E-08	1.50E-07	6.38E-08
4347	482363.09	3857377.25	5.71E-04	5.85E-04	5.52E-04	1.98E-07	5.97E-07	3.46E-07	3.54E-07	3.21E-07	1.46E-07	1.38E-07	6.60E-09	1.59E-07	3.52E-08	4.81E-08	7.62E-08	1.34E-08	9.11E-09	3.48E-07	1.80E-07	7.65E-08	9.00E-08	3.53E-08	1.80E-07	7.65E-08
4348	482863.09	3857377.25	6.35E-04	6.50E-04	6.13E-04	2.20E-07	6.63E-07	3.84E-07	3.93E-07	3.57E-07	1.63E-07	1.53E-07	7.34E-09	1.77E-07	3.91E-08	5.34E-08	8.47E-08	1.49E-08	1.01E-08	3.87E-07	2.00E-07	8.50E-08	1.00E-07	3.93E-08	2.00E-07	8.50E-08
4349	483363.09	3857377.25	7.08E-04	7.26E-04	6.84E-04	2.45E-07	7.40E-07	4.29E-07	4.39E-07	3.98E-07	1.82E-07	1.71E-07	8.19E-09	1.98E-07	4.36E-08	5.96E-08	9.46E-08	1.67E-08	1.13E-08	4.32E-07	2.24E-07	9.49E-08	1.12E-07	4.38E-08	2.24E-07	9.49E-08
4350	483863.09	3857377.25	8.21E-04	8.40E-04	7.93E-04	2.84E-07	8.58E-07	4.97E-07	5.09E-07	4.61E-07	2.10E-07	1.98E-07	9.49E-09	2.29E-07	5.06E-08	6.90E-08	1.10E-07	1.93E-08	1.31E-08	5.00E-07	2.59E-07	1.10E-07	1.29E-07	5.08E-08	2.59E-07	1.10E-07
4351	484363.09	3857377.25	9.93E-04	1.02E-03	9.60E-04	3.44E-07	1.04E-06	6.01E-07	6.16E-07	5.58E-07	2.55E-07	2.40E-07	1.15E-08	2.77E-07	6.12E-08	8.36E-08	1.33E-07	2.34E-08	1.58E-08	6.05E-07	3.13E-07	1.33E-07	1.56E-07	6.15E-08	3.13E-07	1.33E-07
4352	484863.09	3857377.25	1.31E-03	1.34E-03	1.27E-03	4.54E-07	1.37E-06	7.93E-07	8.12E-07	7.36E-07	3.36E-07	3.17E-07	1.51E-08	3.66E-07	8.07E-08	1.10E-07	1.75E-07	3.08E-08	2.09E-08	7.99E-07	4.14E-07	1.76E-07	2.06E-07	8.11E-08	4.14E-07	1.76E-07
4353	485363.09	3857377.25	1.95E-03	2.00E-03	1.88E-03	6.75E-07	2.04E-06	1.18E-06	1.21E-06	1.10E-06	5.00E-07	4.72E-07	2.26E-08	5.45E-07	1.20E-07	1.64E-07	2.60E-07	4.59E-08	3.11E-08	1.19E-06	6.16E-07	2.61E-07	3.07E-07	1.21E-07	6.16E-07	2.61E-07
4354	485863.09	3857377.25	4.63E-03	4.74E-03	4.47E-03	1.60E-06	4.84E-06	2.80E-06	2.87E-06	2.60E-06	1.19E-06	1.12E-06	5.35E-08	1.29E-06	2.85E-07	3.89E-07	6.18E-07	1.09E-07	7.38E-08	2.82E-06	1.46E-06	6.20E-07	7.29E-07	2.86E-07	1.46E-06	6.20E-07
4355	486363.09	3857377.25	1.68E-02	1.72E-02	1.62E-02	5.81E-06	1.75E-05	1.02E-05	1.04E-05	9.43E-06	4.30E-06	4.06E-06	1.94E-07	4.69E-06	1.03E-06	1.41E-06	2.24E-06	3.95E-07	2.68E-07	1.02E-05	5.30E-06	2.25E-06	2.64E-06	1.04E-06	5.30E-06	2.25E-06
4356	486863.09	3857377.25	4.62E-03	4.73E-03	4.46E-03	1.60E-06	4.83E-06	2.79E-06	2.86E-06	2.59E-06	1.18E-06	1.12E-06	5.34E-08	1.29E-06	2.84E-07	3.88E-07	6.16E-07	1.09E-07	7.36E-08	2.81E-06	1.46E-06	6.18E-07	7.27E-07	2.86E-07	1.46E-06	6.18E-07
4357	487363.09	3857377.25	3.28E-03	3.36E-03	3.17E-03	1.14E-06	3.43E-06	1.99E-06	2.03E-06	1.84E-06	8.41E-07	7.94E-07	3.79E-08	9.16E-07	2.02E-07	2.76E-07	4.38E-07	7.72E-08	5.23E-08	2.00E-06	1.04E-06	4.40E-07	5.17E-07	2.03E-07	1.04E-06	4.40E-07
4358	487863.09	3857377.25	2.67E-03	2.73E-03	2.58E-03	9.24E-07	2.79E-06	1.62E-06	1.65E-06	1.50E-06	6.84E-07	6.46E-07	3.09E-08	7.45E-07	1.64E-07	2.25E-07	3.56E-07	6.28E-08	4.26E-08	1.63E-06	8.43E-07	3.58E-07	4.21E-07	1.65E-07	8.43E-07	3.58E-07
4359	488363.09	3857377.25	2.25E-03	2.31E-03	2.17E-03	7.79E-07	2.35E-06	1.36E-06	1.39E-06	1.26E-06	5.77E-07	5.44E-07	2.60E-08	6.28E-07	1.39E-07	1.89E-07	3.00E-07	5.29E-08	3.59E-08	1.37E-06	7.10E-07	3.01E-07	3.55E-07	1.39E-07	7.10E-07	3.01E-07
4360	488863.09	3857377.25	1.96E-03	2.01E-03	1.90E-03	6.80E-07	2.05E-06	1.19E-06	1.22E-06	1.10E-06	5.04E-07	4.75E-07	2.27E-08	5.48E-07	1.21E-07	1.65E-07	2.62E-07	4.62E-08	3.13E-08	1.20E-06	6.20E-07	2.63E-07	3.09E-07	1.22E-07	6.20E-07	2.63E-07
4361	489363.09	3857377.25	1.74E-03	1.78E-03	1.68E-03	6.02E-07	1.82E-06	1.05E-06	1.08E-06	9.78E-07	4.46E-07	4.21E-07	2.01E-08	4.86E-07	1.07E-07	1.46E-07	2.32E-07	4.09E-08	2.78E-08	1.06E-06	5.49E-07	2.33E-07	2.74E-07	1.08E-07	5.49E-07	2.33E-07
4362	489863.09	3857377.25	1.55E-03	1.58E-03	1.49E-03	5.35E-07	1.62E-06	9.35E-07	9.58E-07	8.68E-07	3.96E-07	3.74E-07	1.79E-08	4.31E-07	9.52E-08	1.30E-07	2.06E-07	3.64E-08	2.46E-08	9.42E-07	4.88E-07	2.07E-07	2.43E-07	9.56E-08	4.88E-07	2.07E-07
4363	490363.09	3857377.25	1.39E-03	1.42E-03	1.34E-03	4.81E-07	1.45E-06	8.41E-07	8.62E-07	7.81E-07	3.56E-07	3.36E-07	1.61E-08	3.88E-07	8.57E-08	1.17E-07	1.86E-07	3.27E-08	2.22E-08	8.47E-07	4.39E-07	1.86E-07	2.19E-07	8.60E-08	4.39E-07	1.86E-07
4364	490863.09	3857377.25	1.26E-03	1.29E-03	1.22E-03	4.37E-07	1.32E-06	7.64E-07	7.83E-07	7.10E-07	3.24E-07	3.05E-07	1.46E-08	3.53E-07	7.78E-08	1.06E-07	1.69E-07	2.97E-08	2.01E-08	7.70E-07	3.99E-07	1.69E-07	1.99E-07	7.82E-08	3.99E-07	1.69E-07
4365	491363.09	3857377.25	1.16E-03	1.19E-03	1.12E-03	4.01E-07	1.21E-06	7.01E-07	7.18E-07	6.51E-07	2.97E-07	2.80E-07	1.34E-08	3.23E-07	7.14E-08	9.75E-08	1.55E-07	2.73E-08	1.85E-08	7.06E-07	3.66E-07	1.55E-07	1.83E-07	7.17E-08	3.66E-07	1.55E-07
4366	491863.09	3857377.25	1.03E-03	1.05E-03	9.94E-04	3.56E-07	1.08E-06	6.22E-07	6.38E-07	5.78E-07	2.64E-07	2.49E-07	1.19E-08	2.87E-07	6.34E-08	8.66E-08	1.37E-07	2.42E-08	1.64E-08	6.27E-07	3.25E-07	1.38E-07	1.62E-07	6.37E-08	3.25E-07	1.38E-07
4367	492363.09	3857377.25	8.18E-04	8.37E-04	7.90E-04	2.83E-07	8.55E-07	4.95E-07	5.07E-07	4.59E-07	2.10E-07	1.98E-07	9.45E-09	2.28E-07	5.04E-08	6.88E-08	1.09E-07	1.92E-08	1.30E-08	4.98E-07	2.58E-07	1.09E-07	1.29E-07	5.06E-08	2.58E-07	1.09E-07
4368	492863.09	3857377.25	6.76E-04	6.92E-04	6.53E-04	2.34E-07	7.07E-07	4.09E-07	4.19E-07	3.80E-07	1.73E-07	1.63E-07	7.81E-09	1.89E-07	4.16E-08	5.69E-08	9.02E-08	1.59E-08	1.08E-08	4.12E-07	2.13E-07	9.05E-08	1.06E-07	4.18E-08	2.13E-07	9.05E-08
4369	493363.09	3857377.25	5.77E-04	5.91E-04	5.58E-04	2.00E-07	6.03E-07	3.49E-07	3.58E-07	3.24E-07	1.48E-07	1.40E-07	6.67E-09	1.61E-07	3.56E-08	4.86E-08	7.70E-08	1.36E-08	9.20E-09	3.52E-07	1.82E-07	7.73E-08	9.09E-08	3.57E-08	1.82E-07	7.73E-08
4370	493863.09	3857377.25	5.34E-04	5.47E-04	5.16E-04	1.85E-07	5.58E-07	3.23E-07	3.31E-07	3.00E-07	1.37E-07	1.29E-07	6.18E-09	1.49E-07	3.29E-08	4.50E-08	7.13E-08	1.26E-08	8.52E-09	3.26E-07	1.69E-07	7.15E-08	8.42E-08	3.31E-08	1.69E-07	7.15E-08
4371	494363.09	3857377.25	4.93E-04	5.05E-04	4.76E-04	1.71E-07	5.15E-07	2.98E-07	3.05E-07	2.77E-07	1.26E-07	1.19E-07	5.70E-09	1.38E-07	3.04E-08	4.15E-08	6.58E-08	1.16E-08	7.86E-09	3.00E-07	1.56E-07	6.60E-08	7.77E-08	3.05E-08	1.56E-07	6.60E-08
4372	494863.09	3857377.25	4.71E-04	4.82E-04	4.55E-04	1.63E-07	4.92E-07	2.85E-07	2.92E-07	2.64E-07	1.21E-07	1.14E-07	5.44E-09	1.31E-07	2.90E-08	3.96E-08	6.28E-08	1.11E-08	7.51E-09	2.87E-07	1.49E-07	6.30E-08	7.42E-08	2.91E-08	1.49E-07	6.30E-08
4373	495363.09	3857377.25	4.53E-04	4.64E-04	4.38E-04	1.57E-07	4.74E-07	2.74E-07	2.81E-07	2.55E-07	1.16E-07	1.10E-07	5.24E-09	1.27E-07	2.79E-08	3.81E-08	6.05E-08	1.07E-08	7.23E-09	2.76E-07	1.43E-07	6.07E-08	7.14E-08	2.80E-08	1.43E-07	6.07E-08
4374	495863.09	3857377.25	4.46E-04	4.57E-04	4.31E-04	1.54E-07	4.66E-07	2.70E-07	2.76E-07	2.50E-07	1.14E-07	1.08E-07	5.15E-09	1.24E-07	2.75E-08	3.75E-08	5.95E-08	1.05E-08	7.11E-09	2.72E-07	1.41E-07	5.97E-08	7.02E-08	2.76E-08	1.41E-07	5.97E-08
4375	496363.09	3857377.25	4.41E-04	4.52E-04	4.26E-04	1.53E-07	4.61E-07	2.67E-07	2.73E-07	2.48E-07	1.13E-07	1.07E-07	5.10E-09	1.23E-07	2.72E-08	3.71E-08	5.89E-08	1.04E-08	7.04E-09	2.69E-07	1.39E-07	5.91E-08	6.95E-08	2.73E-08	1.39E-07	5.91E-08
4376	496863.09	3857377.25	4.40E-04	4.50E-04	4.25E-04	1.52E-07	4.60E-07	2.66E-07	2.73E-07	2.47E-07	1.13E-07	1.06E-07	5.08E-09	1.23E-07	2.71E-08	3.70E-08	5.87E-08	1.03E-08	7.01E-09	2.68E-07	1.39E-07	5.89E-08	6.93E-08	2.72E-08	1.39E-07	5.89E-08
4377	497363.09	3857377.25	4.46E-04	4.57E-04	4.31E-04	1.54E-07	4.66E-07	2.70E-07	2.76E-07	2.50E-07	1.14E-07	1.08E-07	5.15E-09	1.24E-07	2.75E-08	3.75E-08	5.95E-08	1.05E-08	7.11E-09	2.72E-07	1.41E-07	5.97E-08	7.02E-08	2.76E-08	1.41E-07	5.97E-08
4378	497863.09	3857377.25	4.59E-04	4.70E-04	4.43E-04	1.59E-07	4.80E-07	2.78E-07	2.84E-07	2.58E-07	1.18E-07	1.11E-07	5.31E-09	1.28E-07	2.83E-08	3.86E-08	6.13E-08	1.08E-08	7.32E-09	2.80E-07	1.45E-07	6.15E-08	7.23E-08	2.84E-08	1.45E-07	6.15E-08
4379	498363.09	3857377.25	4.99E-04	5.11E-04	4.82E-04	1.73E-07	5.21E-07	3.02E-07	3.09E-07	2.80E-07	1.28E-07	1.21E-07	5.77E-09	1.39E-07	3.07E-08	4.20E-08	6.66E-08	1.17E-08	7.96E-09	3.04E-07	1.57E-07	6.68E-08	7.86E-08	3.09E-08	1.57E-07	6.68E-08
4380	471363.09	3857877.25	1.79E-04	1.83E-04	1.73E-04	6.18E-08	1.87E-07	1.08E-07	1.11E-07	1.00E-07	4.58E-08	4.32E-08	2.06E-09	4.99E-08	1.10E-08	1.50E-08	2.38E-08	4.20E-09	2.85E-09	1.09E-07	5.64E-08	2.39E-08	2.81E-08	1.11E-08	5.64E-08	2.39E-08
4381	471863.09	3857877.25	1.82E-04	1.86E-04	1.75E-04	6.28E-08	1.90E-07	1.10E-07	1.13E-07	1.02E-07	4.65E-08	4.39E-08	2.10E-09	5.07E-08	1.12E-08	1.53E-08	2.42E-08	4.27E-09	2.90E-09	1.11E-07	5.73E-08	2.43E-08	2.86E-08	1.12E-08	5.73E-08	2.43E-08
4382	472363.09	3857877.25	1.86E-04	1.90E-04	1.80E-04	6.44E-08	1.94E-07	1.13E-07	1.15E-07	1.04E-07	4.77E-08	4.50E-08	2.15E-09	5.19E-08	1.15E-08	1.56E-08	2.48E-08	4.37E-09	2.97E-09	1.13E-07	5.87E-08	2.49E-08	2.93E-08	1.15E-08	5.87E-08	2.49E-08

4383	472863.09	3857877.25	1.93E-04	1.98E-04	1.87E-04	6.69E-08	2.02E-07	1.17E-07	1.20E-07	1.09E-07	4.96E-08	4.67E-08	2.23E-09	5.40E-08	1.19E-08	1.63E-08	2.58E-08	4.55E-09	3.08E-09	1.18E-07	6.10E-08	2.59E-08	3.05E-08	1.20E-08	6.10E-08	2.59E-08
4384	473363.09	3857877.25	1.98E-04	2.03E-04	1.91E-04	6.85E-08	2.07E-07	1.20E-07	1.23E-07	1.11E-07	5.07E-08	4.78E-08	2.29E-09	5.52E-08	1.22E-08	1.66E-08	2.64E-08	4.65E-09	3.15E-09	1.21E-07	6.24E-08	2.65E-08	3.12E-08	1.22E-08	6.24E-08	2.65E-08
4385	473863.09	3857877.25	2.07E-04	2.12E-04	2.00E-04	7.15E-08	2.16E-07	1.25E-07	1.28E-07	1.16E-07	5.30E-08	5.00E-08	2.39E-09	5.77E-08	1.27E-08	1.74E-08	2.76E-08	4.86E-09	3.30E-09	1.26E-07	6.52E-08	2.77E-08	3.26E-08	1.28E-08	6.52E-08	2.77E-08
4386	474363.09	3857877.25	1.98E-04	2.03E-04	1.91E-04	6.85E-08	2.07E-07	1.20E-07	1.23E-07	1.11E-07	5.07E-08	4.78E-08	2.29E-09	5.52E-08	1.22E-08	1.66E-08	2.64E-08	4.65E-09	3.15E-09	1.21E-07	6.24E-08	2.65E-08	3.12E-08	1.22E-08	6.24E-08	2.65E-08
4387	474863.09	3857877.25	1.79E-04	1.83E-04	1.73E-04	6.18E-08	1.87E-07	1.08E-07	1.11E-07	1.00E-07	4.58E-08	4.32E-08	2.06E-09	4.99E-08	1.10E-08	1.50E-08	2.38E-08	4.20E-09	2.85E-09	1.09E-07	5.64E-08	2.39E-08	2.81E-08	1.11E-08	5.64E-08	2.39E-08
4388	475363.09	3857877.25	1.52E-04	1.56E-04	1.47E-04	5.26E-08	1.59E-07	9.20E-08	9.42E-08	8.54E-08	3.90E-08	3.68E-08	1.76E-09	4.24E-08	9.37E-09	1.28E-08	2.03E-08	3.58E-09	2.42E-09	9.27E-08	4.80E-08	2.04E-08	2.39E-08	9.41E-09	4.80E-08	2.04E-08
4389	475863.09	3857877.25	1.28E-04	1.32E-04	1.24E-04	4.44E-08	1.34E-07	7.77E-08	7.96E-08	7.21E-08	3.29E-08	3.10E-08	1.48E-09	3.59E-08	7.91E-09	1.08E-08	1.71E-08	3.02E-09	2.05E-09	7.83E-08	4.05E-08	1.72E-08	2.02E-08	7.95E-09	4.05E-08	1.72E-08
4390	476363.09	3857877.25	1.61E-04	1.65E-04	1.55E-04	5.57E-08	1.68E-07	9.73E-08	9.97E-08	9.04E-08	4.12E-08	3.89E-08	1.86E-09	4.49E-08	9.91E-09	1.35E-08	2.15E-08	3.78E-09	2.57E-09	9.80E-08	5.08E-08	2.15E-08	2.53E-08	9.96E-09	5.08E-08	2.15E-08
4391	476863.09	3857877.25	1.74E-04	1.78E-04	1.68E-04	6.03E-08	1.82E-07	1.05E-07	1.08E-07	9.78E-08	4.46E-08	4.21E-08	2.01E-09	4.86E-08	1.07E-08	1.47E-08	2.32E-08	4.10E-09	2.78E-09	1.06E-07	5.50E-08	2.33E-08	2.74E-08	1.08E-08	5.50E-08	2.33E-08
4392	477363.09	3857877.25	1.79E-04	1.83E-04	1.73E-04	6.18E-08	1.87E-07	1.08E-07	1.11E-07	1.00E-07	4.58E-08	4.32E-08	2.06E-09	4.99E-08	1.10E-08	1.50E-08	2.38E-08	4.20E-09	2.85E-09	1.09E-07	5.64E-08	2.39E-08	2.81E-08	1.11E-08	5.64E-08	2.39E-08
4393	477863.09	3857877.25	1.82E-04	1.86E-04	1.75E-04	6.28E-08	1.90E-07	1.10E-07	1.13E-07	1.02E-07	4.65E-08	4.39E-08	2.10E-09	5.07E-08	1.12E-08	1.53E-08	2.42E-08	4.27E-09	2.90E-09	1.11E-07	5.73E-08	2.43E-08	2.86E-08	1.12E-08	5.73E-08	2.43E-08
4394	478363.09	3857877.25	1.67E-04	1.71E-04	1.61E-04	5.77E-08	1.74E-07	1.01E-07	1.03E-07	9.37E-08	4.28E-08	4.03E-08	1.93E-09	4.66E-08	1.03E-08	1.40E-08	2.23E-08	3.92E-09	2.66E-09	1.02E-07	5.26E-08	2.23E-08	2.63E-08	1.03E-08	5.26E-08	2.23E-08
4395	478863.09	3857877.25	1.64E-04	1.68E-04	1.58E-04	5.67E-08	1.71E-07	9.91E-08	1.02E-07	9.20E-08	4.20E-08	3.96E-08	1.89E-09	4.57E-08	1.01E-08	1.38E-08	2.19E-08	3.85E-09	2.61E-09	9.98E-08	5.17E-08	2.19E-08	2.58E-08	1.01E-08	5.17E-08	2.19E-08
4396	479363.09	3857877.25	2.44E-04	2.49E-04	2.35E-04	8.43E-08	2.55E-07	1.47E-07	1.51E-07	1.37E-07	6.24E-08	5.89E-08	2.81E-09	6.80E-08	1.50E-08	2.05E-08	3.25E-08	5.73E-09	3.88E-09	1.48E-07	7.69E-08	3.26E-08	3.84E-08	1.51E-08	7.69E-08	3.26E-08
4397	479863.09	3857877.25	3.08E-04	3.16E-04	2.98E-04	1.07E-07	3.22E-07	1.87E-07	1.91E-07	1.73E-07	7.91E-08	7.46E-08	3.57E-09	8.61E-08	1.90E-08	2.60E-08	4.12E-08	7.26E-09	4.92E-09	1.88E-07	9.74E-08	4.13E-08	4.86E-08	1.91E-08	9.74E-08	4.13E-08
4398	480363.09	3857877.25	3.51E-04	3.60E-04	3.39E-04	1.22E-07	3.67E-07	2.13E-07	2.18E-07	1.97E-07	9.00E-08	8.49E-08	4.06E-09	9.81E-08	2.16E-08	2.96E-08	4.69E-08	8.26E-09	5.60E-09	2.14E-07	1.11E-07	4.70E-08	5.53E-08	2.17E-08	1.11E-07	4.70E-08
4399	480863.09	3857877.25	3.70E-04	3.79E-04	3.58E-04	1.28E-07	3.87E-07	2.24E-07	2.30E-07	2.08E-07	9.50E-08	8.96E-08	4.28E-09	1.03E-07	2.28E-08	3.12E-08	4.94E-08	8.71E-09	5.91E-09	2.26E-07	1.17E-07	4.96E-08	5.84E-08	2.29E-08	1.17E-07	4.96E-08
4400	481363.09	3857877.25	3.91E-04	4.01E-04	3.78E-04	1.35E-07	4.09E-07	2.37E-07	2.42E-07	2.20E-07	1.00E-07	9.46E-08	4.52E-09	1.09E-07	2.41E-08	3.29E-08	5.22E-08	9.20E-09	6.24E-09	2.38E-07	1.23E-07	5.24E-08	6.16E-08	2.42E-08	1.23E-07	5.24E-08
4401	481863.09	3857877.25	4.27E-04	4.37E-04	4.12E-04	1.48E-07	4.46E-07	2.58E-07	2.64E-07	2.40E-07	1.09E-07	1.03E-07	4.93E-09	1.19E-07	2.63E-08	3.59E-08	5.69E-08	1.00E-08	6.80E-09	2.60E-07	1.35E-07	5.71E-08	6.72E-08	2.64E-08	1.35E-07	5.71E-08
4402	482363.09	3857877.25	4.96E-04	5.08E-04	4.79E-04	1.72E-07	5.18E-07	3.00E-07	3.07E-07	2.79E-07	1.27E-07	1.20E-07	5.73E-09	1.38E-07	3.06E-08	4.17E-08	6.62E-08	1.17E-08	7.91E-09	3.02E-07	1.57E-07	6.64E-08	7.81E-08	3.07E-08	1.57E-07	6.64E-08
4403	482863.09	3857877.25	5.58E-04	5.71E-04	5.39E-04	1.93E-07	5.83E-07	3.38E-07	3.46E-07	3.13E-07	1.43E-07	1.35E-07	6.45E-09	1.56E-07	3.44E-08	4.69E-08	7.45E-08	1.31E-08	8.90E-09	3.40E-07	1.76E-07	7.47E-08	8.79E-08	3.45E-08	1.76E-07	7.47E-08
4404	483363.09	3857877.25	6.10E-04	6.24E-04	5.89E-04	2.11E-07	6.37E-07	3.69E-07	3.78E-07	3.42E-07	1.56E-07	1.47E-07	7.05E-09	1.70E-07	3.76E-08	5.13E-08	8.14E-08	1.43E-08	9.72E-09	3.72E-07	1.92E-07	8.16E-08	9.60E-08	3.77E-08	1.92E-07	8.16E-08
4405	483863.09	3857877.25	6.83E-04	7.00E-04	6.60E-04	2.37E-07	7.14E-07	4.13E-07	4.23E-07	3.84E-07	1.75E-07	1.65E-07	7.90E-09	1.91E-07	4.21E-08	5.75E-08	9.12E-08	1.61E-08	1.09E-08	4.16E-07	2.16E-07	9.15E-08	1.08E-07	4.23E-08	2.16E-07	9.15E-08
4406	484363.09	3857877.25	7.79E-04	7.98E-04	7.53E-04	2.70E-07	8.14E-07	4.72E-07	4.83E-07	4.38E-07	2.00E-07	1.88E-07	9.01E-09	2.18E-07	4.80E-08	6.56E-08	1.04E-07	1.83E-08	1.24E-08	4.75E-07	2.46E-07	1.04E-07	1.23E-07	4.82E-08	2.46E-07	1.04E-07
4407	484863.09	3857877.25	9.48E-04	9.70E-04	9.15E-04	3.28E-07	9.90E-07	5.73E-07	5.87E-07	5.32E-07	2.43E-07	2.29E-07	1.10E-08	2.65E-07	5.84E-08	7.97E-08	1.26E-07	2.23E-08	1.51E-08	5.77E-07	2.99E-07	1.27E-07	1.49E-07	5.86E-08	2.99E-07	1.27E-07
4408	485363.09	3857877.25	1.21E-03	1.24E-03	1.17E-03	4.18E-07	1.26E-06	7.31E-07	7.49E-07	6.79E-07	3.10E-07	2.92E-07	1.40E-08	3.38E-07	7.45E-08	1.02E-07	1.61E-07	2.84E-08	1.93E-08	7.37E-07	3.81E-07	1.62E-07	1.90E-07	7.48E-08	3.81E-07	1.62E-07
4409	485863.09	3857877.25	1.69E-03	1.73E-03	1.63E-03	5.85E-07	1.77E-06	1.02E-06	1.05E-06	9.49E-07	4.33E-07	4.09E-07	1.95E-08	4.72E-07	1.04E-07	1.42E-07	2.26E-07	3.98E-08	2.70E-08	1.03E-06	5.33E-07	2.26E-07	2.66E-07	1.05E-07	5.33E-07	2.26E-07
4410	486363.09	3857877.25	3.10E-03	3.18E-03	3.00E-03	1.07E-06	3.24E-06	1.88E-06	1.92E-06	1.74E-06	7.95E-07	7.50E-07	3.59E-08	8.66E-07	1.91E-07	2.61E-07	4.14E-07	7.30E-08	4.95E-08	1.89E-06	9.79E-07	4.15E-07	4.89E-07	1.92E-07	9.79E-07	4.15E-07
4411	486863.09	3857877.25	2.51E-02	2.57E-02	2.42E-02	8.68E-06	2.62E-05	1.52E-05	1.55E-05	1.41E-05	6.43E-06	6.06E-06	2.90E-07	7.00E-06	1.55E-06	2.11E-06	3.35E-06	5.90E-07	4.00E-07	1.53E-05	7.92E-06	3.36E-06	3.95E-06	1.55E-06	7.92E-06	3.36E-06
4412	487363.09	3857877.25	1.02E-02	1.05E-02	9.90E-03	3.55E-06	1.07E-05	6.20E-06	6.35E-06	5.76E-06	2.63E-06	2.48E-06	1.18E-07	2.86E-06	6.31E-07	8.62E-07	1.37E-06	2.41E-07	1.63E-07	6.24E-06	3.23E-06	1.37E-06	1.61E-06	6.34E-07	3.23E-06	1.37E-06
4413	487863.09	3857877.25	4.98E-03	5.10E-03	4.82E-03	1.73E-06	5.21E-06	3.02E-06	3.09E-06	2.80E-06	1.28E-06	1.21E-06	5.76E-08	1.39E-06	3.07E-07	4.19E-07	6.65E-07	1.17E-07	7.95E-08	3.04E-06	1.57E-06	6.67E-07	7.85E-07	3.08E-07	1.57E-06	6.67E-07
4414	488363.09	3857877.25	3.53E-03	3.61E-03	3.41E-03	1.22E-06	3.69E-06	2.13E-06	2.19E-06	1.98E-06	9.04E-07	8.53E-07	4.08E-08	9.85E-07	2.17E-07	2.97E-07	4.71E-07	8.30E-08	5.63E-08	2.15E-06	1.11E-06	4.72E-07	5.56E-07	2.18E-07	1.11E-06	4.72E-07
4415	488863.09	3857877.25	2.78E-03	2.85E-03	2.69E-03	9.64E-07	2.91E-06	1.68E-06	1.73E-06	1.56E-06	7.14E-07	6.73E-07	3.22E-08	7.77E-07	1.72E-07	2.34E-07	3.72E-07	6.55E-08	4.44E-08	1.70E-06	8.79E-07	3.73E-07	4.38E-07	1.72E-07	8.79E-07	3.73E-07
4416	489363.09	3857877.25	2.28E-03	2.34E-03	2.20E-03	7.89E-07	2.38E-06	1.38E-06	1.41E-06	1.28E-06	5.85E-07	5.51E-07	2.64E-08	6.37E-07	1.40E-07	1.92E-07	3.04E-07	5.36E-08	3.64E-08	1.39E-06	7.20E-07	3.05E-07	3.59E-07	1.41E-07	7.20E-07	3.05E-07
4417	489863.09	3857877.25	1.93E-03	1.98E-03	1.87E-03	6.69E-07	2.02E-06	1.17E-06	1.20E-06	1.09E-06	4.95E-07	4.67E-07	2.23E-08	5.39E-07	1.19E-07	1.63E-07	2.58E-07	4.54E-08	3.08E-08	1.18E-06	6.10E-07	2.59E-07	3.04E-07	1.20E-07	6.10E-07	2.59E-07
4418	490363.09	3857877.25	1.70E-03	1.74E-03	1.64E-03	5.89E-07	1.78E-06	1.03E-06	1.05E-06	9.56E-07	4.36E-07	4.11E-07	1.97E-08	4.75E-07	1.05E-07	1.43E-07	2.27E-07	4.00E-08	2.71E-08	1.04E-06	5.37E-07	2.28E-07	2.68E-07	1.05E-07	5.37E-07	2.28E-07
4419	490863.09	3857877.25	1.52E-03	1.56E-03	1.47E-03	5.27E-07	1.59E-06	9.21E-07	9.43E-07	8.55E-07	3.90E-07	3.68E-07	1.76E-08	4.25E-07	9.38E-08	1.28E-07	2.03E-07	3.58E-08	2.43E-08	9.27E-07	4.80E-07	2.04E-07	2.40E-07	9.42E-08	4.80E-07	2.04E-07
4420	491363.09	3857877.25	1.31E-03	1.34E-03	1.26E-03	4.53E-07	1.37E-06	7.92E-07	8.11E-07	7.35E-07	3.36E-07	3.17E-07	1.51E-08	3.66E-07	8.07E-08	1.10E-07	1.75E-07	3.08E-08	2.09E-08	7.98E-07	4.13E-07	1.75E-07	2.06E-07	8.10E-08	4.13E-07	1.75E-07
4421	491863.09	3857877.25	1.10E-03	1.13E-03	1.07E-03	3.82E-07	1.15E-06	6.67E-07	6.83E-07	6.19E-07	2.83E-07	2.67E-07	1.27E-08	3.08E-07	6.79E-08	9.28E-08	1.47E-07	2.59E-08	1.76E-08	6.72E-07	3.48E-07	1.48E-07	1.74E-07	6.82E-08	3.48E-07	1.48E-07
4422	492363.09	3857877.25	8.62E-04	8.83E-04	8.33E-04	2.98E-07	9.01E-07	5.22E-07	5.34E-07	4.84E-07	2.21E-07	2.08E-07	9.96E-09	2.41E-07	5.31E-08	7.25E-08	1.15E-07	2.03E-08	1.37E-08	5.25E-07	2.72E-07	1.15E-07	1.36E-07	5.33E-08	2.72E-07	1.15E-07
4423	492863.09	3857877.25	7.05E-04	7.23E-04	6.82E-04	2.44E-07	7.37E-07	4.27E-07	4.37E-07	3.96E-07	1.81E-07	1.71E-07	8.15E-09	1.97E-07	4.35E-08	5.94E-08	9.42E-08	1.66E-08	1.13E-08	4.30E-07	2.23E-07	9.45E-08	1.11E-07	4.37E-08	2.23E-07	9.45E-08
4424	493363.09	3857877.25	6.35E-04	6.50E-04	6.13E-04	2.20E-07	6.63E-07	3.84E-07	3.93E-07	3.57E-07	1.63E-07	1.53E-07	7.34E-09	1.77E-07	3.91E-08	5.34E-08	8.47E-08	1.49E-08	1.01E-08	3.87E-07	2.00E-07	8.50E-08	1.00E-07	3.93E-08	2.00E-07	8.50E-08
4425	493863.09	3857877.25	5.95E-04	6.09E-04	5.75E-04	2.06E-07	6.22E-07	3.60E-07	3.69E-07	3.34E-07	1.52E-07	1.44E-07	6.88E-09	1.66E-07	3.66E-08	5.00E-08	7.94E-08	1.40E-08	9.49E-09	3.63E-07	1.88E-07	7.96E-08	9.37E-08	3.68E-08	1.88E-07	7.96E-08
4426	494363.09	3857877.25	5.67E-04	5.80E-04	5.48E-04	1.96E-07	5.92E-07	3.43E-07	3.51E-07	3.18E-07	1.45E-07	1.37E-07	6.55E-09	1.58E-07	3.49E-08	4.77E-08	7.56E-08	1.33E-08	9.04E-09	3.45E-07	1.79E-07	7.59E-08	8.93E-08	3.51E-08	1.79E-07	7.59E-08
4427	494863.09	3857877.25	5.30E-04	5.43E-04	5.12E-04	1.83E-07	5.54E-07	3.21E-07	3.28E-07	2.98E-07	1.36E-07	1.28E-07	6.12E-09	1.48E-07	3.26E-08	4.46E-08	7.07E-08	1.25E-08	8.45E-09	3.23E-07	1.67E-07	7.10E-08	8.35E-08	3.28E-08	1.67E-07	7.10E-08
4428	495363.09	3857877.25	5.12E-04	5.25E-04	4.95E-04	1.77E-07	5.35E-07	3.10E-07	3.17E-07	2.88E-07	1.31E-07	1.24E-07	5.92E-09	1.43E-07	3.16E-08	4.31E-08	6.84E-08	1.20E-08	8.17E-09	3.12E-07	1.62E-07	6.86E-08	8.07E-08	3.17E-08	1.62E-07	6.86E-08
4429	495863.09	3857877.25	4.97E-04	5.09E-04	4.81E-04	1.72E-07	5.20E-07	3.01E-07	3.08E-07	2.79E-07	1.27E-07	1.20E-07	5.75E-09	1.39E-07	3.06E-08	4.18E-08	6.64E-08	1.17E-08	7.93E-09	3.03E-07	1.57E-07	6.66E-08	7.84E-08	3.08E-08	1.57E-07	6.66E-08
4430	496363.09	3857877.25	4.93E-04	5.05E-04	4.76E-04	1.71E-07	5.15E-07	2.98E-07	3.05E-07	2.77E-07	1.26E-07	1.19E-07	5.70E-09	1.38E-07	3.04E-08	4.15E-08	6.58E-08	1.16E-08	7.86E-09	3.00E-07	1.56E-07	6.60E-08	7.77E-08	3.05E-08	1.56E-07	6.60E-08
4431	496863.09	3857877.25	4.91E-04	5.03E-04	4.75E-04	1.70E-07	5.14E-07	2.97E-07	3.05E-07	2.76E-07	1.26E-07	1.19E-07	5.68E-09	1.37E-07	3.03E-08	4.14E-08	6.56E-08	1.16E-08	7.84E-09	3.00E-07	1.55E-07	6.58E-08	7.74E-08	3.04E-08	1.55E-07	6.58E-08
4432	497363.09	3857877.25	4.86E-04	4.97E-04	4.69E-04	1.68E-07	5.08E-07	2.94E-07	3.01E-07	2.73E-07	1.24E-07	1.17E-07	5.61E-09	1.36E-07	2.99E-08	4.09E-08	6.48E-08	1.14E-08	7.74E-09	2.96E-07	1.53E-07	6.50E-08	7.65E-08	3.01E-08	1.53E-07	6.50E-08
4433	497863.09	3857877.25	5.11E-04	5.23E-04	4.93E-04	1.77E-07	5.34E-07	3.09E-07	3.16E-07	2.87E-07	1.31E-07	1.23E-07	5.90E-09	1.43E-07	3.15E-08	4.30E-08	6.82E-08	1.20E-08	8.14E-09	3.11E-07	1.61E-07	6.84E-08	8.04E-08	3.16E-08	1.61E-07	6.84E-08
4434	498363.09	3857877.25	5.34E-04	5.47E-04	5.16E-04	1.85E-07	5.58E-07	3.23E-07	3.31E-07	3.00E-07	1.37E-07	1.29E-07	6.18E-09	1.49E-07	3.29E-08	4.50E-08	7.13E-08	1.26E-08	8.52E-09	3.26E-07	1.69E-07	7.15E-08	8.42E-08	3.31E-08	1.69E-07	7.15E-08
4435	471363.09	3858377.25	1.76E-04	1.80E-04	1.70E-04	6.08E-08	1.84E-07	1.06E-07	1.09E-07	9.87E-08	4.50E-08	4.25E-08	2.03E-09	4.90E-08	1.08E-08	1.48E-08	2.34E-08	4.13E-09	2.80E-09	1.07E-07	5.54E-08	2.35E-08	2.77E-08	1.09E-08	5.54E-08	2.35E-08
4436	471863.09	3858377.25	1.79E-04	1.83E-04	1.73E-04	6.18E-08	1.87E-07	1.08E-07	1.11E-07	1.00E-07	4.58E-08	4.32E-08	2.06E-09	4.99E-08	1.10E-08	1.50E-08	2.38E-08	4.20E-09	2.85E-09	1.09E-07	5.64E-08	2.39E-08	2.81E-08	1.11E-08	5.64E-08	2.39E-08
4437	472363.09	3858377.25	1.82E-04	1.86E-04	1.75E-04	6.28E-08	1.90E-07	1.10E-07	1.13E-07	1.02E-07	4.65E-08	4.39E-08	2.10E-09	5.07E-08	1.12E-08	1.53E-08	2.42E-08	4.27E-09	2.90E-09	1.11E-07	5.73E-08	2.43E-08	2.86E-08	1.12E-08	5.73E-08	2.43E-08
4438	472863.09	3858377.25	1.86E-04	1.90E-04	1.80E-04	6.44E-08	1.94E-07	1.13E-07	1.15E-07	1.04E-07	4.77E-08	4.50E-08	2.15E-09	5.19E-08	1.15E-08	1.56E-08	2.48E-08	4.37E-09	2.97E-09	1.13E-07	5.87E-08	2.49E-08	2.93E-08	1.15E-08	5.87E-08	2.49E-08
4439	473363.09	3858377.25	1.96E-04	2.01E-04	1.90E-04	6.79E-08	2.05E-07	1.19E-07	1.22E-07	1.10E-07	5.03E-08	4.75E-08	2.27E-09	5.48E-08	1.21E-08	1.65E-08	2.62E-08	4.62E-09	3.13E-09	1.20E-07	6.20E-08	2.63E-08	3.09E-08	1.21E-08	6.20E-08	2.63E-08
4440	473863.09	3858377.25	1.96E-04	2.01E-04	1.90E-04	6.79E-08	2.05E-07	1.19E-07	1.22E-07	1.10E-07	5.03E-08	4.75E-08	2.27E-09	5.48E-08	1.21E-08	1.65E-08	2.62E-08	4.62E-09	3.13E-09	1.20E-07	6.20E-08	2.63E-08	3.09E-08	1.21E-08	6.20E-08	2.63E-08
4441	474363.09	3858377.25	1.84E-04	1.89E-04	1.78E-04	6.39E-08	1.93E-07	1.12E-07	1.14E-07	1.04E-07	4.73E-08	4.46E-08	2.13E-09	5.15E-08	1.14E-08	1.55E-08	2.46E-08	4.34E-09	2.94E-09	1.12E-07	5.82E-08	2.47E-08	2.91E-08	1.14E-08	5.82E-08	2.47E-08
4442	474863.09	3858377.25	1.73E-04	1.77E-04	1.67E-04	5.98E-08	1.80E-07	1.04E-07	1.07E-07	9.70E-08	4.43E-08	4.18E-08	2.00E-09	4.82E-08	1.06E-08	1.45E-08	2.30E-08	4.06E-09	2.75E-09	1.05E-07	5.45E-08	2.31E-08	2.72E-08	1.07E-08	5.45E-08	2.31E-08
4443	475363.09	3858377.25	1.53E-04	1.57E-04	1.48E-04	5.31E-08	1.60E-07	9.29E-08	9.51E-08	8.62E-08	3.93E-08	3.71E-08	1.77E-09	4.29E-08	9.46E-09	1.29E-08	2.05E-08	3.61E-09	2.45E-09	9.36E-08	4.84E-08	2.06E-08	2.42E-08	9.50E-09	4.84E-08	2.06E-08
4444	475863.09	3858377.25	1.43E-04	1.47E-04	1.38E-04	4.96E-08	1.50E-07	8.66E-08	8.87E-08	8.04E-08	3.67E-08	3.46E-08	1.65E-09	4.00E-08	8.82E-09	1.20E-08	1.91E-08	3.37E-09	2.28E-09	8.73E-08	4.52E-08	1.92E-08	2.26E-08	8.86E-09	4.52E-08	1.92E-08
4445	476363.09	3858377.25	1.48E-04	1.51E-04	1.43E-04	5.11E-08	1.54E-07	8.93E-08	9.15E-08	8.29E-08	3.78E-08	3.57E-08	1.71E-09	4.12E-08	9.09E-09	1.24E-08	1.97E-08	3.47E-09	2.35E-09	9.00E-08	4.66E-08	1.98E-08	2.33E-08	9.13E-09	4.66E-08	1.98E-08
4446	476863.09	3858377.25	1.53E-04	1.57E-04	1.48E-04	5.31E-08	1.60E-07	9.29E-08	9.51E-08	8.62E-08	3.93E-08	3.71E-08	1.77E-09	4.29E-08	9.46E-09	1.29E-08	2.05E-08	3.61E-09	2.45E-09	9.36E-08	4.84E-08	2.06E-08	2.42E-08	9.50E-09	4.84E-08	2.06E-08
4447	477363.09	3858377.25	1.56E-04	1.60E-04	1.51E-04	5.42E-08	1.64E-07	9.47E-08	9.70E-08	8.79E-08	4.01E-08	3.78E-08	1.81E-09	4.37E-08	9.64E-09	1.32E-08	2.09E-08	3.68E-09	2.50E-09	9.53E-08	4.94E-08	2.09E-08	2.46E-08	9.68E-09	4.94E-08	2.09E-08
4448	477863.09	3858377.25	1.71E-04	1.75E-04	1.65E-04	5.93E-08	1.79E-07	1.04E-07	1.06E-07	9.62E-08	4.39E-08	4.14E-08	1.98E-09	4.78E-08	1.05E-08	1.44E-08	2.29E-08	4.03E-09	2.73E-09	1.04E-07	5.40E-08	2.29E-08	2.70E-08	1.06E-08	5.40E-08	2.29E-08
4449	478363.09	3858377.25	1.80E-04	1.84E-04	1.74E-04	6.23E-08	1.88E-07	1.09E-07	1.12E-07	1.01E-07	4.62E-08	4.35E-08	2.08E-09	5.03E-08	1.11E-08	1.52E-08	2.40E-08	4.24E-09	2.87E-09	1.10E-07	5.68E-08	2.41E-08	2.84E-08	1.11E-08	5.68E-08	2.41E-08
4450	478863.09	3858377.25	1.71E-04	1.75E-04	1.65E-04	5.93E-08	1.79E-07	1.04E-07	1.06E-07	9.62E-08	4.39E-08	4.14E-08	1.98E-09	4.78E-08	1.05E-08	1.44E-08	2.29E-08	4.03E-09	2.73E-09	1.04E-07	5.40E-08	2.29E-08	2.70E-08	1.06E-08	5.40E-08	2.29E-08
4451	479363.09	3858377.25	2.30E-04	2.36E-04	2.22E-04	7.97E-08	2.41E-07	1.39E-07	1.43E-07	1.29E-07	5.90E-08	5.57E-08	2.66E-09	6.43E-08	1.42E-08	1.94E-08	3.07E-08	5.42E-09	3.67E-09	1.40E-07	7.27E-08	3.08E-08	3.63E-08	1.42E-08	7.27E-08	3.08E-08
4452	479863.09	3858377.25	3.00E-04	3.07E-04	2.89E-04	1.04E-07	3.13E-07	1.81E-07	1.86E-07	1.68E-07	7.68E-08	7.24E-08	3.46E-09	8.37E-08	1.85E-08	2.52E-08	4.00E-08	7.05E-09	4.78E-09	1.83E-07	9.46E-08	4.01E-08	4.72E-08	1.85E-08	9.46E-08	4.01E-08
4453	480363.09	3858377.25	3.39E-04	3.48E-04	3.28E-04	1.18E-07	3.55E-07	2.05E-07	2.10E-07	1.91E-07	8.70E-08	8.21E-08	3.92E-09	9.48E-08	2.09E-08	2.86E-08	4.53E-08	7.99E-09	5.41E-09	2.07E-07	1.07E-07	4.55E-08	5.35E-08	2.10E-08	1.07E-07	4.55E-08
4454	480863.09	3858377.25	3.57E-04	3.66E-04	3.45E-04	1.24E-07	3.73E-07	2.16E-07	2.21E-07	2.01E-07	9.16E-08	8.64E-08	4.13E-09	9.97E-08	2.20E-08	3.01E-08	4.77E-08	8.40E-09	5.70E-09	2.18E-07	1.13E-07	4.78E-08	5.63E-08	2.21E-08	1.13E-07	4.78E-08
4455	481363.09	3858377.25	3.81E-04	3.90E-04	3.68E-04	1.32E-07	3.98E-07	2.30E-07	2.36E-07	2.14E-07	9.76E-08	9.21E-08	4.40E-09	1.06E-07	2.35E-08	3.20E-08	5.08E-08	8.96E-09	6.07E-09	2.32E-07	1.20E-07	5.10E-08	6.00E-08	2.36E-08	1.20E-07	5.10E-08
4456	481863.09	3858377.25	3.97E-04	4.07E-04	3.84E-04	1.37E-07	4.15E-07	2.40E-07	2.46E-07	2.23E-07	1.02E-07	9.60E-08	4.59E-09	1.11E-07	2.45E-08	3.34E-08	5.30E-08	9.34E-09	6.33E-09	2.42E-07	1.25E-07	5.32E-08	6.25E-08	2.46E-08	1.25E-07	5.32E-08
4457	482363.09	3858377.25	4.31E-04	4.41E-04	4.16E-04	1.49E-07	4.50E-07	2.61E-07	2.67E-07	2.42E-07	1.10E-07	1.04E-07	4.98E-09	1.20E-07	2.66E-08	3.63E-08	5.75E-08	1.01E-08	6.87E-09	2.63E-07	1.36E-07	5.77E-08	6.79E-08	2.67E-08	1.36E-07	5.77E-08
4458	482863.09	3858377.25	4.89E-04	5.00E-04	4.72E-04	1.69E-07	5.11E-07	2.96E-07	3.03E-07	2.74E-07	1.25E-07	1.18E-07	5.65E-09	1.36E-07	3.01E-08	4.11E-08	6.52E-08	1.15E-08	7.79E-09	2.98E-07	1.54E-07	6.54E-08	7.70E-08	3.02E-08	1.54E-07	6.54E-08
4459	483363.09	3858377.25	5.42E-04	5.55E-04	5.23E-04	1.87E-07	5.66E-07	3.28E-07	3.36E-07	3.04E-07	1.39E-07	1.31E-07	6.26E-09	1.51E-07	3.34E-08	4.56E-08	7.23E-08	1.27E-08	8.64E-09	3.30E-07	1.71E-07	7.25E-08	8.53E-08	3.35E-08	1.71E-07	7.25E-08

4460	483863.09	3858377.25	5.89E-04	6.03E-04	5.69E-04	2.04E-07	6.15E-07	3.56E-07	3.65E-07	3.31E-07	1.51E-07	1.42E-07	6.81E-09	1.64E-07	3.63E-08	4.95E-08	7.86E-08	1.39E-08	9.39E-09	3.59E-07	1.86E-07	7.89E-08	9.28E-08	3.64E-08	1.86E-07	7.89E-08
4461	484363.09	3858377.25	6.52E-04	6.68E-04	6.30E-04	2.26E-07	6.82E-07	3.95E-07	4.04E-07	3.66E-07	1.67E-07	1.58E-07	7.54E-09	1.82E-07	4.02E-08	5.49E-08	8.71E-08	1.53E-08	1.04E-08	3.98E-07	2.06E-07	8.74E-08	1.03E-07	4.04E-08	2.06E-07	8.74E-08
4462	484863.09	3858377.25	7.48E-04	7.66E-04	7.23E-04	2.59E-07	7.82E-07	4.53E-07	4.64E-07	4.20E-07	1.92E-07	1.81E-07	8.65E-09	2.09E-07	4.61E-08	6.30E-08	9.99E-08	1.76E-08	1.19E-08	4.56E-07	2.36E-07	1.00E-07	1.18E-07	4.63E-08	2.36E-07	1.00E-07
4463	485363.09	3858377.25	8.90E-04	9.12E-04	8.60E-04	3.08E-07	9.30E-07	5.38E-07	5.52E-07	5.00E-07	2.28E-07	2.15E-07	1.03E-08	2.48E-07	5.48E-08	7.49E-08	1.19E-07	2.09E-08	1.42E-08	5.42E-07	2.81E-07	1.19E-07	1.40E-07	5.51E-08	2.81E-07	1.19E-07
4464	485863.09	3858377.25	1.09E-03	1.11E-03	1.05E-03	3.77E-07	1.14E-06	6.58E-07	6.74E-07	6.11E-07	2.79E-07	2.63E-07	1.26E-08	3.04E-07	6.70E-08	9.15E-08	1.45E-07	2.56E-08	1.73E-08	6.63E-07	3.43E-07	1.46E-07	1.71E-07	6.73E-08	3.43E-07	1.46E-07
4465	486363.09	3858377.25	1.40E-03	1.44E-03	1.35E-03	4.85E-07	1.47E-06	8.48E-07	8.69E-07	7.88E-07	3.59E-07	3.39E-07	1.62E-08	3.91E-07	8.64E-08	1.18E-07	1.87E-07	3.30E-08	2.24E-08	8.55E-07	4.43E-07	1.88E-07	2.21E-07	8.68E-08	4.43E-07	1.88E-07
4466	486863.09	3858377.25	2.02E-03	2.07E-03	1.95E-03	7.00E-07	2.11E-06	1.22E-06	1.25E-06	1.14E-06	5.18E-07	4.89E-07	2.34E-08	5.65E-07	1.25E-07	1.70E-07	2.70E-07	4.76E-08	3.22E-08	1.23E-06	6.38E-07	2.71E-07	3.19E-07	1.25E-07	6.38E-07	2.71E-07
4467	487363.09	3858377.25	4.00E-03	4.10E-03	3.87E-03	1.39E-06	4.18E-06	2.42E-06	2.48E-06	2.25E-06	1.03E-06	9.67E-07	4.63E-08	1.12E-06	2.47E-07	3.37E-07	5.34E-07	9.41E-08	6.38E-08	2.44E-06	1.26E-06	5.36E-07	6.30E-07	2.48E-07	1.26E-06	5.36E-07
4468	487863.09	3858377.25	6.80E-02	6.97E-02	6.57E-02	2.36E-05	7.11E-05	4.12E-05	4.22E-05	3.82E-05	1.74E-05	1.64E-05	7.86E-07	1.90E-05	4.19E-06	5.72E-06	9.08E-06	1.60E-06	1.09E-06	4.15E-05	2.15E-05	9.11E-06	1.07E-05	4.21E-06	2.15E-05	9.11E-06
4469	488363.09	3858377.25	9.33E-03	9.56E-03	9.02E-03	3.23E-06	9.76E-06	5.65E-06	5.79E-06	5.24E-06	2.39E-06	2.26E-06	1.08E-07	2.61E-06	5.75E-07	7.85E-07	1.25E-06	2.20E-07	1.49E-07	5.69E-06	2.95E-06	1.25E-06	1.47E-06	5.78E-07	2.95E-06	1.25E-06
4470	488863.09	3858377.25	5.00E-03	5.12E-03	4.83E-03	1.73E-06	5.23E-06	3.03E-06	3.10E-06	2.81E-06	1.28E-06	1.21E-06	5.78E-08	1.40E-06	3.08E-07	4.21E-07	6.68E-07	1.18E-07	7.98E-08	3.05E-06	1.58E-06	6.70E-07	7.88E-07	3.10E-07	1.58E-06	6.70E-07
4471	489363.09	3858377.25	3.47E-03	3.55E-03	3.35E-03	1.20E-06	3.63E-06	2.10E-06	2.15E-06	1.95E-06	8.89E-07	8.39E-07	4.01E-08	9.68E-07	2.14E-07	2.92E-07	4.63E-07	8.16E-08	5.53E-08	2.11E-06	1.09E-06	4.64E-07	5.46E-07	2.15E-07	1.09E-06	4.64E-07
4472	489863.09	3858377.25	2.69E-03	2.76E-03	2.60E-03	9.32E-07	2.81E-06	1.63E-06	1.67E-06	1.51E-06	6.90E-07	6.51E-07	3.11E-08	7.52E-07	1.66E-07	2.27E-07	3.59E-07	6.33E-08	4.29E-08	1.64E-06	8.50E-07	3.60E-07	4.24E-07	1.67E-07	8.50E-07	3.60E-07
4473	490363.09	3858377.25	2.22E-03	2.27E-03	2.14E-03	7.67E-07	2.32E-06	1.34E-06	1.37E-06	1.25E-06	5.68E-07	5.36E-07	2.56E-08	6.19E-07	1.37E-07	1.87E-07	2.96E-07	5.21E-08	3.54E-08	1.35E-06	7.00E-07	2.97E-07	3.49E-07	1.37E-07	7.00E-07	2.97E-07
4474	490863.09	3858377.25	1.89E-03	1.94E-03	1.83E-03	6.55E-07	1.98E-06	1.14E-06	1.17E-06	1.06E-06	4.85E-07	4.57E-07	2.19E-08	5.28E-07	1.17E-07	1.59E-07	2.53E-07	4.45E-08	3.02E-08	1.15E-06	5.97E-07	2.53E-07	2.98E-07	1.17E-07	5.97E-07	2.53E-07
4475	491363.09	3858377.25	1.55E-03	1.58E-03	1.49E-03	5.35E-07	1.62E-06	9.36E-07	9.59E-07	8.69E-07	3.96E-07	3.74E-07	1.79E-08	4.32E-07	9.53E-08	1.30E-07	2.06E-07	3.64E-08	2.47E-08	9.43E-07	4.88E-07	2.07E-07	2.44E-07	9.57E-08	4.88E-07	2.07E-07
4476	491863.09	3858377.25	1.17E-03	1.20E-03	1.13E-03	4.04E-07	1.22E-06	7.06E-07	7.23E-07	6.56E-07	2.99E-07	2.82E-07	1.35E-08	3.26E-07	7.19E-08	9.82E-08	1.56E-07	2.75E-08	1.86E-08	7.12E-07	3.68E-07	1.56E-07	1.84E-07	7.22E-08	3.68E-07	1.56E-07
4477	492363.09	3858377.25	9.03E-04	9.25E-04	8.73E-04	3.13E-07	9.44E-07	5.47E-07	5.60E-07	5.07E-07	2.32E-07	2.18E-07	1.04E-08	2.52E-07	5.57E-08	7.60E-08	1.21E-07	2.12E-08	1.44E-08	5.51E-07	2.85E-07	1.21E-07	1.42E-07	5.59E-08	2.85E-07	1.21E-07
4478	492863.09	3858377.25	8.86E-04	9.07E-04	8.56E-04	3.07E-07	9.26E-07	5.36E-07	5.49E-07	4.97E-07	2.27E-07	2.14E-07	1.02E-08	2.47E-07	5.46E-08	7.45E-08	1.18E-07	2.08E-08	1.41E-08	5.40E-07	2.79E-07	1.19E-07	1.40E-07	5.48E-08	2.79E-07	1.19E-07
4479	493363.09	3858377.25	7.93E-04	8.12E-04	7.66E-04	2.74E-07	8.28E-07	4.80E-07	4.91E-07	4.45E-07	2.03E-07	1.92E-07	9.16E-09	2.21E-07	4.88E-08	6.67E-08	1.06E-07	1.86E-08	1.26E-08	4.83E-07	2.50E-07	1.06E-07	1.25E-07	4.90E-08	2.50E-07	1.06E-07
4480	493863.09	3858377.25	7.31E-04	7.48E-04	7.06E-04	2.53E-07	7.64E-07	4.42E-07	4.53E-07	4.10E-07	1.87E-07	1.77E-07	8.44E-09	2.04E-07	4.50E-08	6.15E-08	9.75E-08	1.72E-08	1.17E-08	4.45E-07	2.31E-07	9.78E-08	1.15E-07	4.52E-08	2.31E-07	9.78E-08
4481	494363.09	3858377.25	6.72E-04	6.88E-04	6.49E-04	2.32E-07	7.02E-07	4.06E-07	4.16E-07	3.77E-07	1.72E-07	1.62E-07	7.76E-09	1.88E-07	4.14E-08	5.65E-08	8.96E-08	1.58E-08	1.07E-08	4.09E-07	2.12E-07	8.99E-08	1.06E-07	4.16E-08	2.12E-07	8.99E-08
4482	494863.09	3858377.25	6.29E-04	6.44E-04	6.07E-04	2.18E-07	6.57E-07	3.80E-07	3.90E-07	3.53E-07	1.61E-07	1.52E-07	7.27E-09	1.76E-07	3.87E-08	5.29E-08	8.39E-08	1.48E-08	1.00E-08	3.83E-07	1.98E-07	8.42E-08	9.90E-08	3.89E-08	1.98E-07	8.42E-08
4483	495363.09	3858377.25	5.84E-04	5.99E-04	5.65E-04	2.02E-07	6.11E-07	3.54E-07	3.62E-07	3.28E-07	1.50E-07	1.41E-07	6.76E-09	1.63E-07	3.60E-08	4.92E-08	7.80E-08	1.37E-08	9.32E-09	3.56E-07	1.84E-07	7.83E-08	9.21E-08	3.62E-08	1.84E-07	7.83E-08
4484	495863.09	3858377.25	5.68E-04	5.82E-04	5.49E-04	1.97E-07	5.94E-07	3.44E-07	3.52E-07	3.19E-07	1.46E-07	1.37E-07	6.57E-09	1.59E-07	3.50E-08	4.78E-08	7.58E-08	1.34E-08	9.06E-09	3.46E-07	1.79E-07	7.61E-08	8.95E-08	3.52E-08	1.79E-07	7.61E-08
4485	496363.09	3858377.25	5.52E-04	5.65E-04	5.33E-04	1.91E-07	5.77E-07	3.34E-07	3.42E-07	3.10E-07	1.41E-07	1.33E-07	6.38E-09	1.54E-07	3.40E-08	4.64E-08	7.37E-08	1.30E-08	8.80E-09	3.36E-07	1.74E-07	7.39E-08	8.70E-08	3.42E-08	1.74E-07	7.39E-08
4486	496863.09	3858377.25	5.55E-04	5.68E-04	5.36E-04	1.92E-07	5.80E-07	3.36E-07	3.44E-07	3.12E-07	1.42E-07	1.34E-07	6.41E-09	1.55E-07	3.42E-08	4.67E-08	7.41E-08	1.31E-08	8.85E-09	3.38E-07	1.75E-07	7.43E-08	8.74E-08	3.43E-08	1.75E-07	7.43E-08
4487	497363.09	3858377.25	5.49E-04	5.62E-04	5.30E-04	1.90E-07	5.74E-07	3.32E-07	3.40E-07	3.08E-07	1.41E-07	1.33E-07	6.35E-09	1.53E-07	3.38E-08	4.62E-08	7.33E-08	1.29E-08	8.76E-09	3.35E-07	1.73E-07	7.35E-08	8.65E-08	3.40E-08	1.73E-07	7.35E-08
4488	497863.09	3858377.25	5.71E-04	5.85E-04	5.52E-04	1.98E-07	5.97E-07	3.46E-07	3.54E-07	3.21E-07	1.46E-07	1.38E-07	6.60E-09	1.59E-07	3.52E-08	4.81E-08	7.62E-08	1.34E-08	9.11E-09	3.48E-07	1.80E-07	7.65E-08	9.00E-08	3.53E-08	1.80E-07	7.65E-08
4489	498363.09	3858377.25	6.04E-04	6.18E-04	5.83E-04	2.09E-07	6.31E-07	3.65E-07	3.74E-07	3.39E-07	1.55E-07	1.46E-07	6.98E-09	1.69E-07	3.72E-08	5.08E-08	8.06E-08	1.42E-08	9.63E-09	3.68E-07	1.91E-07	8.08E-08	9.51E-08	3.74E-08	1.91E-07	8.08E-08
4490	471363.09	3858877.25	1.71E-04	1.75E-04	1.65E-04	5.93E-08	1.79E-07	1.04E-07	1.06E-07	9.62E-08	4.39E-08	4.14E-08	1.98E-09	4.78E-08	1.05E-08	1.44E-08	2.29E-08	4.03E-09	2.73E-09	1.04E-07	5.40E-08	2.29E-08	2.70E-08	1.06E-08	5.40E-08	2.29E-08
4491	471863.09	3858877.25	1.74E-04	1.78E-04	1.68E-04	6.03E-08	1.82E-07	1.05E-07	1.08E-07	9.78E-08	4.46E-08	4.21E-08	2.01E-09	4.86E-08	1.07E-08	1.47E-08	2.32E-08	4.10E-09	2.78E-09	1.06E-07	5.50E-08	2.33E-08	2.74E-08	1.08E-08	5.50E-08	2.33E-08
4492	472363.09	3858877.25	1.80E-04	1.84E-04	1.74E-04	6.23E-08	1.88E-07	1.09E-07	1.12E-07	1.01E-07	4.62E-08	4.35E-08	2.08E-09	5.03E-08	1.11E-08	1.52E-08	2.40E-08	4.24E-09	2.87E-09	1.10E-07	5.68E-08	2.41E-08	2.84E-08	1.11E-08	5.68E-08	2.41E-08
4493	472863.09	3858877.25	1.84E-04	1.89E-04	1.78E-04	6.39E-08	1.93E-07	1.12E-07	1.14E-07	1.04E-07	4.73E-08	4.46E-08	2.13E-09	5.15E-08	1.14E-08	1.55E-08	2.46E-08	4.34E-09	2.94E-09	1.12E-07	5.82E-08	2.47E-08	2.91E-08	1.14E-08	5.82E-08	2.47E-08
4494	473363.09	3858877.25	1.92E-04	1.97E-04	1.85E-04	6.64E-08	2.01E-07	1.16E-07	1.19E-07	1.08E-07	4.92E-08	4.64E-08	2.22E-09	5.36E-08	1.18E-08	1.61E-08	2.56E-08	4.51E-09	3.06E-09	1.17E-07	6.06E-08	2.57E-08	3.02E-08	1.19E-08	6.06E-08	2.57E-08
4495	473863.09	3858877.25	1.93E-04	1.98E-04	1.87E-04	6.69E-08	2.02E-07	1.17E-07	1.20E-07	1.09E-07	4.96E-08	4.67E-08	2.23E-09	5.40E-08	1.19E-08	1.63E-08	2.58E-08	4.55E-09	3.08E-09	1.18E-07	6.10E-08	2.59E-08	3.05E-08	1.20E-08	6.10E-08	2.59E-08
4496	474363.09	3858877.25	1.83E-04	1.87E-04	1.77E-04	6.34E-08	1.91E-07	1.11E-07	1.13E-07	1.03E-07	4.69E-08	4.42E-08	2.12E-09	5.11E-08	1.13E-08	1.54E-08	2.44E-08	4.31E-09	2.92E-09	1.12E-07	5.78E-08	2.45E-08	2.88E-08	1.13E-08	5.78E-08	2.45E-08
4497	474863.09	3858877.25	1.45E-04	1.48E-04	1.40E-04	5.01E-08	1.51E-07	8.75E-08	8.96E-08	8.13E-08	3.71E-08	3.50E-08	1.67E-09	4.04E-08	8.91E-09	1.22E-08	1.93E-08	3.40E-09	2.31E-09	8.82E-08	4.56E-08	1.94E-08	2.28E-08	8.95E-09	4.56E-08	1.94E-08
4498	475363.09	3858877.25	1.36E-04	1.39E-04	1.31E-04	4.70E-08	1.42E-07	8.22E-08	8.41E-08	7.63E-08	3.48E-08	3.28E-08	1.57E-09	3.79E-08	8.37E-09	1.14E-08	1.81E-08	3.19E-09	2.17E-09	8.28E-08	4.29E-08	1.82E-08	2.14E-08	8.40E-09	4.29E-08	1.82E-08
4499	475863.09	3858877.25	1.42E-04	1.45E-04	1.37E-04	4.90E-08	1.48E-07	8.57E-08	8.78E-08	7.96E-08	3.63E-08	3.43E-08	1.64E-09	3.96E-08	8.73E-09	1.19E-08	1.89E-08	3.33E-09	2.26E-09	8.64E-08	4.47E-08	1.90E-08	2.23E-08	8.77E-09	4.47E-08	1.90E-08
4500	476363.09	3858877.25	1.28E-04	1.32E-04	1.24E-04	4.44E-08	1.34E-07	7.77E-08	7.96E-08	7.21E-08	3.29E-08	3.10E-08	1.48E-09	3.59E-08	7.91E-09	1.08E-08	1.71E-08	3.02E-09	2.05E-09	7.83E-08	4.05E-08	1.72E-08	2.02E-08	7.95E-09	4.05E-08	1.72E-08
4501	476863.09	3858877.25	1.39E-04	1.42E-04	1.34E-04	4.80E-08	1.45E-07	8.39E-08	8.60E-08	7.79E-08	3.56E-08	3.35E-08	1.60E-09	3.87E-08	8.55E-09	1.17E-08	1.85E-08	3.26E-09	2.21E-09	8.46E-08	4.38E-08	1.86E-08	2.19E-08	8.59E-09	4.38E-08	1.86E-08
4502	477363.09	3858877.25	1.42E-04	1.45E-04	1.37E-04	4.90E-08	1.48E-07	8.57E-08	8.78E-08	7.96E-08	3.63E-08	3.43E-08	1.64E-09	3.96E-08	8.73E-09	1.19E-08	1.89E-08	3.33E-09	2.26E-09	8.64E-08	4.47E-08	1.90E-08	2.23E-08	8.77E-09	4.47E-08	1.90E-08
4503	477863.09	3858877.25	1.52E-04	1.56E-04	1.47E-04	5.26E-08	1.59E-07	9.20E-08	9.42E-08	8.54E-08	3.90E-08	3.68E-08	1.76E-09	4.24E-08	9.37E-09	1.28E-08	2.03E-08	3.58E-09	2.42E-09	9.27E-08	4.80E-08	2.04E-08	2.39E-08	9.41E-09	4.80E-08	2.04E-08
4504	478363.09	3858877.25	1.84E-04	1.89E-04	1.78E-04	6.39E-08	1.93E-07	1.12E-07	1.14E-07	1.04E-07	4.73E-08	4.46E-08	2.13E-09	5.15E-08	1.14E-08	1.55E-08	2.46E-08	4.34E-09	2.94E-09	1.12E-07	5.82E-08	2.47E-08	2.91E-08	1.14E-08	5.82E-08	2.47E-08
4505	478863.09	3858877.25	1.82E-04	1.86E-04	1.75E-04	6.28E-08	1.90E-07	1.10E-07	1.13E-07	1.02E-07	4.65E-08	4.39E-08	2.10E-09	5.07E-08	1.12E-08	1.53E-08	2.42E-08	4.27E-09	2.90E-09	1.11E-07	5.73E-08	2.43E-08	2.86E-08	1.12E-08	5.73E-08	2.43E-08
4506	479363.09	3858877.25	1.80E-04	1.84E-04	1.74E-04	6.23E-08	1.88E-07	1.09E-07	1.12E-07	1.01E-07	4.62E-08	4.35E-08	2.08E-09	5.03E-08	1.11E-08	1.52E-08	2.40E-08	4.24E-09	2.87E-09	1.10E-07	5.68E-08	2.41E-08	2.84E-08	1.11E-08	5.68E-08	2.41E-08
4507	479863.09	3858877.25	2.88E-04	2.95E-04	2.78E-04	9.96E-08	3.01E-07	1.74E-07	1.78E-07	1.62E-07	7.38E-08	6.96E-08	3.33E-09	8.04E-08	1.77E-08	2.42E-08	3.84E-08	6.77E-09	4.59E-09	1.75E-07	9.08E-08	3.85E-08	4.53E-08	1.78E-08	9.08E-08	3.85E-08
4508	480363.09	3858877.25	3.13E-04	3.20E-04	3.02E-04	1.08E-07	3.27E-07	1.89E-07	1.94E-07	1.76E-07	8.02E-08	7.57E-08	3.62E-09	8.74E-08	1.93E-08	2.63E-08	4.18E-08	7.36E-09	4.99E-09	1.91E-07	9.88E-08	4.19E-08	4.93E-08	1.94E-08	9.88E-08	4.19E-08
4509	480863.09	3858877.25	3.34E-04	3.42E-04	3.22E-04	1.15E-07	3.49E-07	2.02E-07	2.07E-07	1.87E-07	8.55E-08	8.06E-08	3.86E-09	9.31E-08	2.06E-08	2.81E-08	4.45E-08	7.85E-09	5.32E-09	2.03E-07	1.05E-07	4.47E-08	5.25E-08	2.06E-08	1.05E-07	4.47E-08
4510	481363.09	3858877.25	3.53E-04	3.61E-04	3.41E-04	1.22E-07	3.69E-07	2.13E-07	2.19E-07	1.98E-07	9.04E-08	8.53E-08	4.08E-09	9.85E-08	2.17E-08	2.97E-08	4.71E-08	8.30E-09	5.63E-09	2.15E-07	1.11E-07	4.72E-08	5.56E-08	2.18E-08	1.11E-07	4.72E-08
4511	481863.09	3858877.25	3.73E-04	3.82E-04	3.61E-04	1.29E-07	3.90E-07	2.26E-07	2.31E-07	2.10E-07	9.57E-08	9.03E-08	4.32E-09	1.04E-07	2.30E-08	3.14E-08	4.98E-08	8.78E-09	5.96E-09	2.28E-07	1.18E-07	5.00E-08	5.88E-08	2.31E-08	1.18E-07	5.00E-08
4512	482363.09	3858877.25	3.98E-04	4.08E-04	3.85E-04	1.38E-07	4.16E-07	2.41E-07	2.47E-07	2.24E-07	1.02E-07	9.64E-08	4.61E-09	1.11E-07	2.46E-08	3.35E-08	5.32E-08	9.37E-09	6.36E-09	2.43E-07	1.26E-07	5.34E-08	6.28E-08	2.47E-08	1.26E-07	5.34E-08
4513	482863.09	3858877.25	4.27E-04	4.37E-04	4.12E-04	1.48E-07	4.46E-07	2.58E-07	2.64E-07	2.40E-07	1.09E-07	1.03E-07	4.93E-09	1.19E-07	2.63E-08	3.59E-08	5.69E-08	1.00E-08	6.80E-09	2.60E-07	1.35E-07	5.71E-08	6.72E-08	2.64E-08	1.35E-07	5.71E-08
4514	483363.09	3858877.25	4.99E-04	5.11E-04	4.82E-04	1.73E-07	5.21E-07	3.02E-07	3.09E-07	2.80E-07	1.28E-07	1.21E-07	5.77E-09	1.39E-07	3.07E-08	4.20E-08	6.66E-08	1.17E-08	7.96E-09	3.04E-07	1.57E-07	6.68E-08	7.86E-08	3.09E-08	1.57E-07	6.68E-08
4515	483863.09	3858877.25	5.33E-04	5.46E-04	5.15E-04	1.84E-07	5.57E-07	3.22E-07	3.30E-07	2.99E-07	1.37E-07	1.29E-07	6.16E-09	1.49E-07	3.28E-08	4.48E-08	7.11E-08	1.25E-08	8.50E-09	3.25E-07	1.68E-07	7.13E-08	8.39E-08	3.30E-08	1.68E-07	7.13E-08
4516	484363.09	3858877.25	5.73E-04	5.87E-04	5.53E-04	1.98E-07	5.99E-07	3.46E-07	3.55E-07	3.22E-07	1.47E-07	1.38E-07	6.62E-09	1.60E-07	3.53E-08	4.82E-08	7.64E-08	1.35E-08	9.13E-09	3.49E-07	1.81E-07	7.67E-08	9.02E-08	3.54E-08	1.81E-07	7.67E-08
4517	484863.09	3858877.25	6.24E-04	6.39E-04	6.03E-04	2.16E-07	6.53E-07	3.78E-07	3.87E-07	3.51E-07	1.60E-07	1.51E-07	7.22E-09	1.74E-07	3.85E-08	5.25E-08	8.33E-08	1.47E-08	9.96E-09	3.80E-07	1.97E-07	8.36E-08	9.83E-08	3.86E-08	1.97E-07	8.36E-08
4518	485363.09	3858877.25	7.05E-04	7.23E-04	6.82E-04	2.44E-07	7.37E-07	4.27E-07	4.37E-07	3.96E-07	1.81E-07	1.71E-07	8.15E-09	1.97E-07	4.35E-08	5.94E-08	9.42E-08	1.66E-08	1.13E-08	4.30E-07	2.23E-07	9.45E-08	1.11E-07	4.37E-08	2.23E-07	9.45E-08
4519	485863.09	3858877.25	8.16E-04	8.36E-04	7.88E-04	2.83E-07	8.53E-07	4.94E-07	5.06E-07	4.59E-07	2.09E-07	1.97E-07	9.43E-09	2.28E-07	5.03E-08	6.87E-08	1.09E-07	1.92E-08	1.30E-08	4.97E-07	2.58E-07	1.09E-07	1.29E-07	5.05E-08	2.58E-07	1.09E-07
4520	486363.09	3858877.25	9.58E-04	9.81E-04	9.25E-04	3.32E-07	1.00E-06	5.80E-07	5.94E-07	5.38E-07	2.46E-07	2.32E-07	1.11E-08	2.67E-07	5.90E-08	8.06E-08	1.28E-07	2.25E-08	1.53E-08	5.84E-07	3.02E-07	1.28E-07	1.51E-07	5.93E-08	3.02E-07	1.28E-07
4521	486863.09	3858877.25	1.17E-03	1.19E-03	1.13E-03	4.04E-07	1.22E-06	7.05E-07	7.23E-07	6.55E-07	2.99E-07	2.82E-07	1.35E-08	3.26E-07	7.18E-08	9.81E-08	1.56E-07	2.74E-08	1.86E-08	7.11E-07	3.68E-07	1.56E-07	1.84E-07	7.22E-08	3.68E-07	1.56E-07
4522	487363.09	3858877.25	1.53E-03	1.57E-03	1.48E-03	5.30E-07	1.60E-06	9.26E-07	9.48E-07	8.60E-07	3.92E-07	3.70E-07	1.77E-08	4.27E-07	9.43E-08	1.29E-07	2.04E-07	3.60E-08	2.44E-08	9.33E-07	4.83E-07	2.05E-07	2.41E-07	9.47E-08	4.83E-07	2.05E-07
4523	487863.09	3858877.25	2.26E-03	2.31E-03	2.18E-03	7.82E-07	2.36E-06	1.37E-06	1.40E-06	1.27E-06	5.79E-07	5.46E-07	2.61E-08	6.31E-07	1.39E-07	1.90E-07	3.02E-07	5.32E-08	3.60E-08	1.38E-06	7.13E-07	3.03E-07	3.56E-07	1.40E-07	7.13E-07	3.03E-07
4524	488363.09	3858877.25	5.08E-03	5.20E-03	4.91E-03	1.76E-06	5.31E-06	3.07E-06	3.15E-06	2.85E-06	1.30E-06	1.23E-06	5.87E-08	1.42E-06	3.13E-07	4.27E-07	6.78E-07	1.19E-07	8.10E-08	3.10E-06	1.60E-06	6.80E-07	8.00E-07	3.14E-07	1.60E-06	6.80E-07
4525	488863.09	3858877.25	3.50E-02	3.58E-02	3.38E-02	1.21E-05	3.66E-05	2.12E-05	2.17E-05	1.97E-05	8.97E-06	8.46E-06	4.04E-07	9.77E-06	2.16E-06	2.94E-06	4.67E-06	8.23E-07	5.58E-07	2.13E-05	1.10E-05	4.68E-06	5.51E-06	2.17E-06	1.10E-05	4.68E-06
4526	489363.09	3858877.25	8.04E-03	8.24E-03	7.77E-03	2.78E-06	8.41E-06	4.87E-06	4.98E-06	4.52E-06	2.06E-06	1.94E-06	9.30E-08	2.25E-06	4.96E-07	6.77E-07	1.07E-06	1.89E-07	1.28E-07	4.90E-06	2.54E-06	1.08E-06	1.27E-06	4.98E-07	2.54E-06	1.08E-06
4527	489863.09	3858877.25	4.65E-03	4.77E-03	4.50E-03	1.61E-06	4.86E-06	2.82E-06	2.88E-06	2.61E-06	1.19E-06	1.13E-06	5.38E-08	1.30E-06	2.87E-07	3.92E-07	6.21E-07	1.09E-07	7.42E-08	2.84E-06	1.47E-06	6.23E-07	7.33E-07	2.88E-07	1.47E-06	6.23E-07
4528	490363.09	3858877.25	3.23E-03	3.31E-03	3.12E-03	1.12E-06	3.38E-06	1.96E-06	2.00E-06	1.82E-06	8.29E-07	7.82E-07	3.74E-08	9.03E-07	1.99E-07	2.72E-07	4.32E-07	7.61E-08	5.16E-08	1.97E-06	1.02E-06	4.33E-07	5.09E-07	2.00E-07	1.02E-06	4.33E-07
4529	490863.09	3858877.25	2.29E-03	2.35E-03	2.21E-03	7.93E-07	2.39E-06	1.39E-06	1.42E-06	1.29E-06	5.87E-07	5.54E-07	2.65E-08	6.40E-07	1.41E-07	1.93E-07	3.06E-07	5.39E-08	3.65E-08	1.40E-06	7.23E-07	3.07E-07	3.61E-07	1.42E-07	7.23E-07	3.07E-07
4530	491363.09	3858877.25	1.63E-03	1.67E-03	1.58E-03	5.66E-07	1.71E-06	9.89E-07	1.01E-06	9.18E-07	4.19E-07	3.95E-07	1.89E-08	4.56E-07	1.01E-07	1.37E-07	2.18E-07	3.84E-08	2.61E-08	9.96E-07	5.16E-07	2.19E-07	2.57E-07	1.01E-07	5.16E-07	2.19E-07
4531	491863.09	3858877.25	1.24E-03	1.27E-03	1.20E-03	4.29E-07	1.30E-06	7.50E-07	7.68E-07	6.96E-07	3.18E-07	3.00E-07	1.43E-08	3.46E-07	7.64E-08	1.04E-07	1.65E-07	2.92E-08	1.98E-08	7.56E-07	3.91E-07	1.66E-07	1.95E-07	7.67E-08	3.91E-07	1.66E-07
4532	492363.09	3858877.25	1.21E-03	1.24E-03	1.17E-03	4.20E-07	1.27E-06	7.34E-07	7.52E-07	6.82E-07	3.11E-07	2.93E-07	1.40E-08	3.39E-07	7.47E-08	1.02E-07	1.62E-07	2.85E-08	1.93E-08	7.39E-07	3.83E-07	1.62E-07	1.91E-07	7.51E-08	3.83E-07	1.62E-07
4533	492863.09	3858877.25	1.23E-03	1.26E-03	1.19E-03	4.27E-07	1.29E-06	7.46E-07	7.64E-07	6.92E-07	3.16E-07	2.98E-07	1.42E-08	3.44E-07	7.59E-08	1.04E-07	1.64E-07	2.90E-08	1.97E-08	7.51E-07	3.89E-07	1.65E-07	1.94E-07	7.63E-08	3.89E-07	1.65E-07
4534	493363.09	3858877.25	1.09E-03	1.11E-03	1.05E-03	3.76E-07	1.14E-06	6.57E-07	6.73E-07	6.10E-07	2.78E-07	2.63E-07	1.26E-08	3.03E-07	6.69E-08	9.14E-08	1.45E-07	2.56E-08	1.73E-08	6.62E-07	3.43E-07	1.45E-07	1.71E-07	6.72E-08	3.43E-07	1.45E-07
4535	493863.09	3858877.25	9.25E-04	9.48E-04	8.94E-04	3.20E-07	9.67E-07	5.60E-07	5.73E-07	5.20E-07	2.37E-07	2.24E-07	1.07E-08	2.58E-07	5.70E-08	7.79E-08	1.24E-07	2.18E-08	1.48E-08	5.64E-07	2.92E-07	1.24E-07	1.46E-07	5.73E-08	2.92E-07	1.24E-07
4536	494363.09	3858877.25	8.44E-04	8.65E-04	8.16E-04	2.92E-07	8.82E-07	5.11E-07	5.23E-07	4.74E-07	2.16E-07	2.04E-07	9.76E-09	2.36E-07	5.20E-08	7.10E-08	1.13E-07	1.99E-08	1.35E-08	5.15E-07	2.66E-07	1.13E-07	1.33E-07	5.22E-08	2.66E-07	1.13E-07

4537	494863.09	3858877.25	7.67E-04	7.86E-04	7.41E-04	2.66E-07	8.02E-07	4.64E-07	4.76E-07	4.31E-07	1.97E-07	1.86E-07	8.87E-09	2.14E-07	4.73E-08	6.46E-08	1.02E-07	1.81E-08	1.22E-08	4.68E-07	2.42E-07	1.03E-07	1.21E-07	4.75E-08	2.42E-07	1.03E-07
4538	495363.09	3858877.25	7.05E-04	7.23E-04	6.82E-04	2.44E-07	7.37E-07	4.27E-07	4.37E-07	3.96E-07	1.81E-07	1.71E-07	8.15E-09	1.97E-07	4.35E-08	5.94E-08	9.42E-08	1.66E-08	1.13E-08	4.30E-07	2.23E-07	9.45E-08	1.11E-07	4.37E-08	2.23E-07	9.45E-08
4539	495863.09	3858877.25	6.67E-04	6.83E-04	6.44E-04	2.31E-07	6.97E-07	4.04E-07	4.13E-07	3.75E-07	1.71E-07	1.61E-07	7.71E-09	1.86E-07	4.11E-08	5.61E-08	8.90E-08	1.57E-08	1.06E-08	4.07E-07	2.11E-07	8.93E-08	1.05E-07	4.13E-08	2.11E-07	8.93E-08
4540	496363.09	3858877.25	6.46E-04	6.62E-04	6.25E-04	2.24E-07	6.76E-07	3.91E-07	4.01E-07	3.63E-07	1.66E-07	1.56E-07	7.47E-09	1.80E-07	3.98E-08	5.44E-08	8.63E-08	1.52E-08	1.03E-08	3.94E-07	2.04E-07	8.66E-08	1.02E-07	4.00E-08	2.04E-07	8.66E-08
4541	496863.09	3858877.25	6.30E-04	6.45E-04	6.09E-04	2.18E-07	6.59E-07	3.81E-07	3.91E-07	3.54E-07	1.62E-07	1.52E-07	7.28E-09	1.76E-07	3.88E-08	5.30E-08	8.41E-08	1.48E-08	1.01E-08	3.84E-07	1.99E-07	8.44E-08	9.93E-08	3.90E-08	1.99E-07	8.44E-08
4542	497363.09	3858877.25	6.15E-04	6.30E-04	5.95E-04	2.13E-07	6.43E-07	3.72E-07	3.81E-07	3.46E-07	1.58E-07	1.49E-07	7.11E-09	1.72E-07	3.79E-08	5.18E-08	8.21E-08	1.45E-08	9.82E-09	3.75E-07	1.94E-07	8.24E-08	9.70E-08	3.81E-08	1.94E-07	8.24E-08
4543	497863.09	3858877.25	6.43E-04	6.59E-04	6.22E-04	2.23E-07	6.73E-07	3.89E-07	3.99E-07	3.61E-07	1.65E-07	1.56E-07	7.44E-09	1.80E-07	3.96E-08	5.41E-08	8.59E-08	1.51E-08	1.03E-08	3.92E-07	2.03E-07	8.62E-08	1.01E-07	3.98E-08	2.03E-07	8.62E-08
4544	498363.09	3858877.25	6.76E-04	6.92E-04	6.53E-04	2.34E-07	7.07E-07	4.09E-07	4.19E-07	3.80E-07	1.73E-07	1.63E-07	7.81E-09	1.89E-07	4.16E-08	5.69E-08	9.02E-08	1.59E-08	1.08E-08	4.12E-07	2.13E-07	9.05E-08	1.06E-07	4.18E-08	2.13E-07	9.05E-08
4545	471363.09	3859377.25	1.67E-04	1.71E-04	1.61E-04	5.77E-08	1.74E-07	1.01E-07	1.03E-07	9.37E-08	4.28E-08	4.03E-08	1.93E-09	4.66E-08	1.03E-08	1.40E-08	2.23E-08	3.92E-09	2.66E-09	1.02E-07	5.26E-08	2.23E-08	2.63E-08	1.03E-08	5.26E-08	2.23E-08
4546	471863.09	3859377.25	1.71E-04	1.75E-04	1.65E-04	5.93E-08	1.79E-07	1.04E-07	1.06E-07	9.62E-08	4.39E-08	4.14E-08	1.98E-09	4.78E-08	1.05E-08	1.44E-08	2.29E-08	4.03E-09	2.73E-09	1.04E-07	5.40E-08	2.29E-08	2.70E-08	1.06E-08	5.40E-08	2.29E-08
4547	472363.09	3859377.25	1.76E-04	1.80E-04	1.70E-04	6.08E-08	1.84E-07	1.06E-07	1.09E-07	9.87E-08	4.50E-08	4.25E-08	2.03E-09	4.90E-08	1.08E-08	1.48E-08	2.34E-08	4.13E-09	2.80E-09	1.07E-07	5.54E-08	2.35E-08	2.77E-08	1.09E-08	5.54E-08	2.35E-08
4548	472863.09	3859377.25	1.82E-04	1.86E-04	1.75E-04	6.28E-08	1.90E-07	1.10E-07	1.13E-07	1.02E-07	4.65E-08	4.39E-08	2.10E-09	5.07E-08	1.12E-08	1.53E-08	2.42E-08	4.27E-09	2.90E-09	1.11E-07	5.73E-08	2.43E-08	2.86E-08	1.12E-08	5.73E-08	2.43E-08
4549	473363.09	3859377.25	1.87E-04	1.92E-04	1.81E-04	6.49E-08	1.96E-07	1.13E-07	1.16E-07	1.05E-07	4.80E-08	4.53E-08	2.17E-09	5.23E-08	1.15E-08	1.58E-08	2.50E-08	4.41E-09	2.99E-09	1.14E-07	5.92E-08	2.51E-08	2.95E-08	1.16E-08	5.92E-08	2.51E-08
4550	473863.09	3859377.25	1.90E-04	1.95E-04	1.84E-04	6.59E-08	1.99E-07	1.15E-07	1.18E-07	1.07E-07	4.88E-08	4.60E-08	2.20E-09	5.32E-08	1.17E-08	1.60E-08	2.54E-08	4.48E-09	3.04E-09	1.16E-07	6.01E-08	2.55E-08	3.00E-08	1.18E-08	6.01E-08	2.55E-08
4551	474363.09	3859377.25	1.80E-04	1.84E-04	1.74E-04	6.23E-08	1.88E-07	1.09E-07	1.12E-07	1.01E-07	4.62E-08	4.35E-08	2.08E-09	5.03E-08	1.11E-08	1.52E-08	2.40E-08	4.24E-09	2.87E-09	1.10E-07	5.68E-08	2.41E-08	2.84E-08	1.11E-08	5.68E-08	2.41E-08
4552	474863.09	3859377.25	1.61E-04	1.65E-04	1.55E-04	5.57E-08	1.68E-07	9.73E-08	9.97E-08	9.04E-08	4.12E-08	3.89E-08	1.86E-09	4.49E-08	9.91E-09	1.35E-08	2.15E-08	3.78E-09	2.57E-09	9.80E-08	5.08E-08	2.15E-08	2.53E-08	9.96E-09	5.08E-08	2.15E-08
4553	475363.09	3859377.25	1.42E-04	1.45E-04	1.37E-04	4.90E-08	1.48E-07	8.57E-08	8.78E-08	7.96E-08	3.63E-08	3.43E-08	1.64E-09	3.96E-08	8.73E-09	1.19E-08	1.89E-08	3.33E-09	2.26E-09	8.64E-08	4.47E-08	1.90E-08	2.23E-08	8.77E-09	4.47E-08	1.90E-08
4554	475863.09	3859377.25	1.28E-04	1.32E-04	1.24E-04	4.44E-08	1.34E-07	7.77E-08	7.96E-08	7.21E-08	3.29E-08	3.10E-08	1.48E-09	3.59E-08	7.91E-09	1.08E-08	1.71E-08	3.02E-09	2.05E-09	7.83E-08	4.05E-08	1.72E-08	2.02E-08	7.95E-09	4.05E-08	1.72E-08
4555	476363.09	3859377.25	1.27E-04	1.30E-04	1.23E-04	4.39E-08	1.33E-07	7.68E-08	7.87E-08	7.13E-08	3.25E-08	3.07E-08	1.47E-09	3.54E-08	7.82E-09	1.07E-08	1.69E-08	2.99E-09	2.02E-09	7.74E-08	4.01E-08	1.70E-08	2.00E-08	7.86E-09	4.01E-08	1.70E-08
4556	476863.09	3859377.25	1.22E-04	1.25E-04	1.18E-04	4.24E-08	1.28E-07	7.41E-08	7.59E-08	6.88E-08	3.14E-08	2.96E-08	1.42E-09	3.42E-08	7.55E-09	1.03E-08	1.64E-08	2.88E-09	1.95E-09	7.47E-08	3.87E-08	1.64E-08	1.93E-08	7.58E-09	3.87E-08	1.64E-08
4557	477363.09	3859377.25	1.27E-04	1.30E-04	1.23E-04	4.39E-08	1.33E-07	7.68E-08	7.87E-08	7.13E-08	3.25E-08	3.07E-08	1.47E-09	3.54E-08	7.82E-09	1.07E-08	1.69E-08	2.99E-09	2.02E-09	7.74E-08	4.01E-08	1.70E-08	2.00E-08	7.86E-09	4.01E-08	1.70E-08
4558	477863.09	3859377.25	1.48E-04	1.51E-04	1.43E-04	5.11E-08	1.54E-07	8.93E-08	9.15E-08	8.29E-08	3.78E-08	3.57E-08	1.71E-09	4.12E-08	9.09E-09	1.24E-08	1.97E-08	3.47E-09	2.35E-09	9.00E-08	4.66E-08	1.98E-08	2.33E-08	9.13E-09	4.66E-08	1.98E-08
4559	478363.09	3859377.25	1.68E-04	1.72E-04	1.63E-04	5.82E-08	1.76E-07	1.02E-07	1.04E-07	9.45E-08	4.31E-08	4.07E-08	1.94E-09	4.70E-08	1.04E-08	1.42E-08	2.25E-08	3.96E-09	2.68E-09	1.03E-07	5.31E-08	2.25E-08	2.65E-08	1.04E-08	5.31E-08	2.25E-08
4560	478863.09	3859377.25	1.98E-04	2.03E-04	1.91E-04	6.85E-08	2.07E-07	1.20E-07	1.23E-07	1.11E-07	5.07E-08	4.78E-08	2.29E-09	5.52E-08	1.22E-08	1.66E-08	2.64E-08	4.65E-09	3.15E-09	1.21E-07	6.24E-08	2.65E-08	3.12E-08	1.22E-08	6.24E-08	2.65E-08
4561	479363.09	3859377.25	2.30E-04	2.36E-04	2.22E-04	7.97E-08	2.41E-07	1.39E-07	1.43E-07	1.29E-07	5.90E-08	5.57E-08	2.66E-09	6.43E-08	1.42E-08	1.94E-08	3.07E-08	5.42E-09	3.67E-09	1.40E-07	7.27E-08	3.08E-08	3.63E-08	1.42E-08	7.27E-08	3.08E-08
4562	479863.09	3859377.25	2.60E-04	2.66E-04	2.51E-04	8.99E-08	2.71E-07	1.57E-07	1.61E-07	1.46E-07	6.66E-08	6.28E-08	3.00E-09	7.25E-08	1.60E-08	2.19E-08	3.47E-08	6.11E-09	4.14E-09	1.58E-07	8.20E-08	3.48E-08	4.09E-08	1.61E-08	8.20E-08	3.48E-08
4563	480363.09	3859377.25	2.88E-04	2.95E-04	2.78E-04	9.96E-08	3.01E-07	1.74E-07	1.78E-07	1.62E-07	7.38E-08	6.96E-08	3.33E-09	8.04E-08	1.77E-08	2.42E-08	3.84E-08	6.77E-09	4.59E-09	1.75E-07	9.08E-08	3.85E-08	4.53E-08	1.78E-08	9.08E-08	3.85E-08
4564	480863.09	3859377.25	3.10E-04	3.17E-04	2.99E-04	1.07E-07	3.24E-07	1.88E-07	1.92E-07	1.74E-07	7.94E-08	7.49E-08	3.58E-09	8.65E-08	1.91E-08	2.61E-08	4.14E-08	7.29E-09	4.94E-09	1.89E-07	9.78E-08	4.15E-08	4.88E-08	1.92E-08	9.78E-08	4.15E-08
4565	481363.09	3859377.25	3.28E-04	3.36E-04	3.17E-04	1.13E-07	3.42E-07	1.98E-07	2.03E-07	1.84E-07	8.40E-08	7.92E-08	3.79E-09	9.15E-08	2.02E-08	2.76E-08	4.37E-08	7.71E-09	5.23E-09	2.00E-07	1.03E-07	4.39E-08	5.16E-08	2.03E-08	1.03E-07	4.39E-08
4566	481863.09	3859377.25	3.45E-04	3.54E-04	3.34E-04	1.20E-07	3.61E-07	2.09E-07	2.14E-07	1.94E-07	8.85E-08	8.35E-08	3.99E-09	9.64E-08	2.13E-08	2.91E-08	4.61E-08	8.12E-09	5.51E-09	2.10E-07	1.09E-07	4.62E-08	5.44E-08	2.14E-08	1.09E-07	4.62E-08
4567	482363.09	3859377.25	3.66E-04	3.75E-04	3.54E-04	1.27E-07	3.83E-07	2.21E-07	2.27E-07	2.06E-07	9.38E-08	8.85E-08	4.23E-09	1.02E-07	2.26E-08	3.08E-08	4.89E-08	8.61E-09	5.84E-09	2.23E-07	1.16E-07	4.90E-08	5.77E-08	2.27E-08	1.16E-07	4.90E-08
4568	482863.09	3859377.25	3.90E-04	3.99E-04	3.76E-04	1.35E-07	4.07E-07	2.36E-07	2.41E-07	2.19E-07	9.99E-08	9.42E-08	4.50E-09	1.09E-07	2.40E-08	3.28E-08	5.20E-08	9.17E-09	6.21E-09	2.37E-07	1.23E-07	5.22E-08	6.14E-08	2.41E-08	1.23E-07	5.22E-08
4569	483363.09	3859377.25	4.32E-04	4.43E-04	4.18E-04	1.50E-07	4.52E-07	2.62E-07	2.68E-07	2.43E-07	1.11E-07	1.05E-07	5.00E-09	1.21E-07	2.66E-08	3.64E-08	5.77E-08	1.02E-08	6.90E-09	2.64E-07	1.36E-07	5.79E-08	6.81E-08	2.68E-08	1.36E-07	5.79E-08
4570	483863.09	3859377.25	4.68E-04	4.79E-04	4.52E-04	1.62E-07	4.89E-07	2.83E-07	2.90E-07	2.63E-07	1.20E-07	1.13E-07	5.41E-09	1.31E-07	2.88E-08	3.94E-08	6.24E-08	1.10E-08	7.46E-09	2.85E-07	1.48E-07	6.27E-08	7.37E-08	2.90E-08	1.48E-07	6.27E-08
4571	484363.09	3859377.25	5.06E-04	5.18E-04	4.89E-04	1.75E-07	5.29E-07	3.06E-07	3.14E-07	2.84E-07	1.30E-07	1.22E-07	5.85E-09	1.41E-07	3.12E-08	4.26E-08	6.76E-08	1.19E-08	8.07E-09	3.09E-07	1.60E-07	6.78E-08	7.97E-08	3.13E-08	1.60E-07	6.78E-08
4572	484863.09	3859377.25	5.51E-04	5.64E-04	5.32E-04	1.91E-07	5.75E-07	3.33E-07	3.41E-07	3.09E-07	1.41E-07	1.33E-07	6.36E-09	1.54E-07	3.39E-08	4.63E-08	7.35E-08	1.30E-08	8.78E-09	3.36E-07	1.74E-07	7.37E-08	8.67E-08	3.41E-08	1.74E-07	7.37E-08
4573	485363.09	3859377.25	6.07E-04	6.21E-04	5.86E-04	2.10E-07	6.34E-07	3.67E-07	3.76E-07	3.41E-07	1.55E-07	1.47E-07	7.01E-09	1.69E-07	3.74E-08	5.10E-08	8.10E-08	1.43E-08	9.67E-09	3.70E-07	1.91E-07	8.12E-08	9.56E-08	3.75E-08	1.91E-07	8.12E-08
4574	485863.09	3859377.25	6.74E-04	6.91E-04	6.52E-04	2.33E-07	7.05E-07	4.08E-07	4.18E-07	3.79E-07	1.73E-07	1.63E-07	7.80E-09	1.88E-07	4.16E-08	5.68E-08	9.00E-08	1.59E-08	1.08E-08	4.11E-07	2.13E-07	9.03E-08	1.06E-07	4.17E-08	2.13E-07	9.03E-08
4575	486363.09	3859377.25	7.51E-04	7.69E-04	7.26E-04	2.60E-07	7.85E-07	4.55E-07	4.66E-07	4.22E-07	1.93E-07	1.82E-07	8.68E-09	2.10E-07	4.63E-08	6.32E-08	1.00E-07	1.77E-08	1.20E-08	4.58E-07	2.37E-07	1.01E-07	1.18E-07	4.65E-08	2.37E-07	1.01E-07
4576	486863.09	3859377.25	8.50E-04	8.71E-04	8.21E-04	2.94E-07	8.89E-07	5.14E-07	5.27E-07	4.78E-07	2.18E-07	2.06E-07	9.83E-09	2.37E-07	5.24E-08	7.15E-08	1.13E-07	2.00E-08	1.36E-08	5.18E-07	2.68E-07	1.14E-07	1.34E-07	5.26E-08	2.68E-07	1.14E-07
4577	487363.09	3859377.25	9.89E-04	1.01E-03	9.55E-04	3.42E-07	1.03E-06	5.98E-07	6.13E-07	5.56E-07	2.53E-07	2.39E-07	1.14E-08	2.76E-07	6.09E-08	8.32E-08	1.32E-07	2.33E-08	1.58E-08	6.03E-07	3.12E-07	1.32E-07	1.56E-07	6.12E-08	3.12E-07	1.32E-07
4578	487863.09	3859377.25	1.21E-03	1.24E-03	1.17E-03	4.19E-07	1.27E-06	7.33E-07	7.51E-07	6.81E-07	3.11E-07	2.93E-07	1.40E-08	3.38E-07	7.47E-08	1.02E-07	1.62E-07	2.85E-08	1.93E-08	7.39E-07	3.82E-07	1.62E-07	1.91E-07	7.50E-08	3.82E-07	1.62E-07
4579	488363.09	3859377.25	1.61E-03	1.65E-03	1.55E-03	5.56E-07	1.68E-06	9.72E-07	9.96E-07	9.03E-07	4.12E-07	3.89E-07	1.86E-08	4.49E-07	9.90E-08	1.35E-07	2.15E-07	3.78E-08	2.56E-08	9.80E-07	5.07E-07	2.15E-07	2.53E-07	9.95E-08	5.07E-07	2.15E-07
4580	488863.09	3859377.25	2.51E-03	2.57E-03	2.43E-03	8.69E-07	2.62E-06	1.52E-06	1.56E-06	1.41E-06	6.44E-07	6.07E-07	2.90E-08	7.01E-07	1.55E-07	2.11E-07	3.35E-07	5.91E-08	4.00E-08	1.53E-06	7.92E-07	3.36E-07	3.95E-07	1.55E-07	7.92E-07	3.36E-07
4581	489363.09	3859377.25	6.77E-03	6.94E-03	6.54E-03	2.35E-06	7.08E-06	4.10E-06	4.20E-06	3.81E-06	1.74E-06	1.64E-06	7.83E-08	1.89E-06	4.17E-07	5.70E-07	9.04E-07	1.59E-07	1.08E-07	4.13E-06	2.14E-06	9.07E-07	1.07E-06	4.19E-07	2.14E-06	9.07E-07
4582	489863.09	3859377.25	2.20E-02	2.25E-02	2.12E-02	7.60E-06	2.29E-05	1.33E-05	1.36E-05	1.23E-05	5.63E-06	5.31E-06	2.54E-07	6.13E-06	1.35E-06	1.85E-06	2.93E-06	5.16E-07	3.50E-07	1.34E-05	6.93E-06	2.94E-06	3.46E-06	1.36E-06	6.93E-06	2.94E-06
4583	490363.09	3859377.25	7.02E-03	7.19E-03	6.78E-03	2.43E-06	7.34E-06	4.25E-06	4.35E-06	3.94E-06	1.80E-06	1.70E-06	8.12E-08	1.96E-06	4.33E-07	5.91E-07	9.37E-07	1.65E-07	1.12E-07	4.28E-06	2.22E-06	9.40E-07	1.11E-06	4.35E-07	2.22E-06	9.40E-07
4584	490863.09	3859377.25	3.85E-03	3.94E-03	3.72E-03	1.33E-06	4.02E-06	2.33E-06	2.38E-06	2.16E-06	9.86E-07	9.30E-07	4.45E-08	1.07E-06	2.37E-07	3.24E-07	5.14E-07	9.05E-08	6.14E-08	2.35E-06	1.21E-06	5.15E-07	6.06E-07	2.38E-07	1.21E-06	5.15E-07
4585	491363.09	3859377.25	2.28E-03	2.34E-03	2.20E-03	7.89E-07	2.38E-06	1.38E-06	1.41E-06	1.28E-06	5.85E-07	5.51E-07	2.64E-08	6.37E-07	1.40E-07	1.92E-07	3.04E-07	5.36E-08	3.64E-08	1.39E-06	7.20E-07	3.05E-07	3.59E-07	1.41E-07	7.20E-07	3.05E-07
4586	491863.09	3859377.25	2.15E-03	2.20E-03	2.07E-03	7.43E-07	2.24E-06	1.30E-06	1.33E-06	1.21E-06	5.50E-07	5.19E-07	2.48E-08	6.00E-07	1.32E-07	1.81E-07	2.87E-07	5.05E-08	3.42E-08	1.31E-06	6.78E-07	2.88E-07	3.38E-07	1.33E-07	6.78E-07	2.88E-07
4587	492363.09	3859377.25	1.83E-03	1.87E-03	1.77E-03	6.34E-07	1.91E-06	1.11E-06	1.13E-06	1.03E-06	4.69E-07	4.42E-07	2.12E-08	5.11E-07	1.13E-07	1.54E-07	2.44E-07	4.31E-08	2.92E-08	1.12E-06	5.78E-07	2.45E-07	2.88E-07	1.13E-07	5.78E-07	2.45E-07
4588	492863.09	3859377.25	1.64E-03	1.68E-03	1.58E-03	5.67E-07	1.71E-06	9.90E-07	1.01E-06	9.19E-07	4.20E-07	3.96E-07	1.89E-08	4.57E-07	1.01E-07	1.38E-07	2.18E-07	3.85E-08	2.61E-08	9.98E-07	5.17E-07	2.19E-07	2.58E-07	1.01E-07	5.17E-07	2.19E-07
4589	493363.09	3859377.25	1.38E-03	1.41E-03	1.33E-03	4.76E-07	1.44E-06	8.32E-07	8.52E-07	7.73E-07	3.53E-07	3.33E-07	1.59E-08	3.84E-07	8.47E-08	1.16E-07	1.84E-07	3.24E-08	2.19E-08	8.38E-07	4.34E-07	1.84E-07	2.17E-07	8.51E-08	4.34E-07	1.84E-07
4590	493863.09	3859377.25	1.25E-03	1.28E-03	1.20E-03	4.31E-07	1.30E-06	7.54E-07	7.72E-07	7.00E-07	3.19E-07	3.01E-07	1.44E-08	3.48E-07	7.67E-08	1.05E-07	1.66E-07	2.93E-08	1.99E-08	7.59E-07	3.93E-07	1.67E-07	1.96E-07	7.71E-08	3.93E-07	1.67E-07
4591	494363.09	3859377.25	1.11E-03	1.14E-03	1.08E-03	3.85E-07	1.16E-06	6.73E-07	6.90E-07	6.25E-07	2.85E-07	2.69E-07	1.29E-08	3.11E-07	6.86E-08	9.36E-08	1.49E-07	2.62E-08	1.77E-08	6.78E-07	3.51E-07	1.49E-07	1.75E-07	6.89E-08	3.51E-07	1.49E-07
4592	494863.09	3859377.25	9.52E-04	9.75E-04	9.20E-04	3.30E-07	9.95E-07	5.76E-07	5.90E-07	5.35E-07	2.44E-07	2.30E-07	1.10E-08	2.66E-07	5.87E-08	8.01E-08	1.27E-07	2.24E-08	1.52E-08	5.80E-07	3.00E-07	1.27E-07	1.50E-07	5.89E-08	3.00E-07	1.27E-07
4593	495363.09	3859377.25	8.84E-04	9.05E-04	8.54E-04	3.06E-07	9.24E-07	5.35E-07	5.48E-07	4.97E-07	2.27E-07	2.14E-07	1.02E-08	2.47E-07	5.45E-08	7.44E-08	1.18E-07	2.08E-08	1.41E-08	5.39E-07	2.79E-07	1.18E-07	1.39E-07	5.47E-08	2.79E-07	1.18E-07
4594	495863.09	3859377.25	8.12E-04	8.31E-04	7.84E-04	2.81E-07	8.48E-07	4.91E-07	5.03E-07	4.56E-07	2.08E-07	1.96E-07	9.38E-09	2.27E-07	5.00E-08	6.83E-08	1.08E-07	1.91E-08	1.29E-08	4.95E-07	2.56E-07	1.09E-07	1.28E-07	5.02E-08	2.56E-07	1.09E-07
4595	496363.09	3859377.25	7.82E-04	8.01E-04	7.56E-04	2.71E-07	8.18E-07	4.73E-07	4.85E-07	4.39E-07	2.01E-07	1.89E-07	9.04E-09	2.18E-07	4.82E-08	6.58E-08	1.04E-07	1.84E-08	1.25E-08	4.77E-07	2.47E-07	1.05E-07	1.23E-07	4.84E-08	2.47E-07	1.05E-07
4596	496863.09	3859377.25	7.20E-04	7.38E-04	6.96E-04	2.49E-07	7.53E-07	4.36E-07	4.46E-07	4.05E-07	1.85E-07	1.74E-07	8.33E-09	2.01E-07	4.44E-08	6.06E-08	9.61E-08	1.69E-08	1.15E-08	4.39E-07	2.27E-07	9.64E-08	1.13E-07	4.46E-08	2.27E-07	9.64E-08
4597	497363.09	3859377.25	7.20E-04	7.38E-04	6.96E-04	2.49E-07	7.53E-07	4.36E-07	4.46E-07	4.05E-07	1.85E-07	1.74E-07	8.33E-09	2.01E-07	4.44E-08	6.06E-08	9.61E-08	1.69E-08	1.15E-08	4.39E-07	2.27E-07	9.64E-08	1.13E-07	4.46E-08	2.27E-07	9.64E-08
4598	497863.09	3859377.25	7.48E-04	7.66E-04	7.23E-04	2.59E-07	7.82E-07	4.53E-07	4.64E-07	4.20E-07	1.92E-07	1.81E-07	8.65E-09	2.09E-07	4.61E-08	6.30E-08	9.99E-08	1.76E-08	1.19E-08	4.56E-07	2.36E-07	1.00E-07	1.18E-07	4.63E-08	2.36E-07	1.00E-07
4599	498363.09	3859377.25	7.75E-04	7.94E-04	7.49E-04	2.68E-07	8.10E-07	4.69E-07	4.80E-07	4.35E-07	1.99E-07	1.87E-07	8.96E-09	2.16E-07	4.77E-08	6.52E-08	1.03E-07	1.82E-08	1.24E-08	4.72E-07	2.45E-07	1.04E-07	1.22E-07	4.80E-08	2.45E-07	1.04E-07
4600	471363.09	3859877.25	1.64E-04	1.68E-04	1.58E-04	5.67E-08	1.71E-07	9.91E-08	1.02E-07	9.20E-08	4.20E-08	3.96E-08	1.89E-09	4.57E-08	1.01E-08	1.38E-08	2.19E-08	3.85E-09	2.61E-09	9.98E-08	5.17E-08	2.19E-08	2.58E-08	1.01E-08	5.17E-08	2.19E-08
4601	471863.09	3859877.25	1.68E-04	1.72E-04	1.63E-04	5.82E-08	1.76E-07	1.02E-07	1.04E-07	9.45E-08	4.31E-08	4.07E-08	1.94E-09	4.70E-08	1.04E-08	1.42E-08	2.25E-08	3.96E-09	2.68E-09	1.03E-07	5.31E-08	2.25E-08	2.65E-08	1.04E-08	5.31E-08	2.25E-08
4602	472363.09	3859877.25	1.71E-04	1.75E-04	1.65E-04	5.93E-08	1.79E-07	1.04E-07	1.06E-07	9.62E-08	4.39E-08	4.14E-08	1.98E-09	4.78E-08	1.05E-08	1.44E-08	2.29E-08	4.03E-09	2.73E-09	1.04E-07	5.40E-08	2.29E-08	2.70E-08	1.06E-08	5.40E-08	2.29E-08
4603	472863.09	3859877.25	1.77E-04	1.81E-04	1.71E-04	6.13E-08	1.85E-07	1.07E-07	1.10E-07	9.95E-08	4.54E-08	4.28E-08	2.05E-09	4.95E-08	1.09E-08	1.49E-08	2.36E-08	4.17E-09	2.82E-09	1.08E-07	5.59E-08	2.37E-08	2.79E-08	1.10E-08	5.59E-08	2.37E-08
4604	473363.09	3859877.25	1.82E-04	1.86E-04	1.75E-04	6.28E-08	1.90E-07	1.10E-07	1.13E-07	1.02E-07	4.65E-08	4.39E-08	2.10E-09	5.07E-08	1.12E-08	1.53E-08	2.42E-08	4.27E-09	2.90E-09	1.11E-07	5.73E-08	2.43E-08	2.86E-08	1.12E-08	5.73E-08	2.43E-08
4605	473863.09	3859877.25	1.86E-04	1.90E-04	1.80E-04	6.44E-08	1.94E-07	1.13E-07	1.15E-07	1.04E-07	4.77E-08	4.50E-08	2.15E-09	5.19E-08	1.15E-08	1.56E-08	2.48E-08	4.37E-09	2.97E-09	1.13E-07	5.87E-08	2.49E-08	2.93E-08	1.15E-08	5.87E-08	2.49E-08
4606	474363.09	3859877.25	1.79E-04	1.83E-04	1.73E-04	6.18E-08	1.87E-07	1.08E-07	1.11E-07	1.00E-07	4.58E-08	4.32E-08	2.06E-09	4.99E-08	1.10E-08	1.50E-08	2.38E-08	4.20E-09	2.85E-09	1.09E-07	5.64E-08	2.39E-08	2.81E-08	1.11E-08	5.64E-08	2.39E-08
4607	474863.09	3859877.25	1.67E-04	1.71E-04	1.61E-04	5.77E-08	1.74E-07	1.01E-07	1.03E-07	9.37E-08	4.28E-08	4.03E-08	1.93E-09	4.66E-08	1.03E-08	1.40E-08	2.23E-08	3.92E-09	2.66E-09	1.02E-07	5.26E-08	2.23E-08	2.63E-08	1.03E-08	5.26E-08	2.23E-08
4608	475363.09	3859877.25	1.45E-04	1.48E-04	1.40E-04	5.01E-08	1.51E-07	8.75E-08	8.96E-08	8.13E-08	3.71E-08	3.50E-08	1.67E-09	4.04E-08	8.91E-09	1.22E-08	1.93E-08	3.40E-09	2.31E-09	8.82E-08	4.56E-08	1.94E-08	2.28E-08	8.95E-09	4.56E-08	1.94E-08
4609	475863.09	3859877.25	1.24E-04	1.27E-04	1.20E-04	4.29E-08	1.30E-07	7.50E-08	7.68E-08	6.96E-08	3.18E-08	3.00E-08	1.43E-09	3.46E-08	7.64E-09	1.04E-08	1.65E-08	2.92E-09	1.98E-09	7.56E-08	3.91E-08	1.66E-08	1.95E-08	7.67E-09	3.91E-08	1.66E-08
4610	476363.09	3859877.25	1.11E-04	1.13E-04	1.07E-04	3.83E-08	1.16E-07	6.70E-08	6.86E-08	6.22E-08	2.84E-08	2.68E-08	1.28E-09	3.09E-08	6.82E-09	9.31E-09	1.48E-08	2.60E-09	1.77E-09	6.75E-08	3.49E-08	1.48E-08	1.74E-08	6.85E-09	3.49E-08	1.48E-08
4611	476863.09	3859877.25	1.17E-04	1.19E-04	1.13E-04	4.04E-08	1.22E-07	7.05E-08	7.23E-08	6.55E-08	2.99E-08	2.82E-08	1.35E-09	3.26E-08	7.18E-09	9.81E-09	1.56E-08	2.74E-09	1.86E-09	7.11E-08	3.68E-08	1.56E-08	1.84E-08	7.22E-09	3.68E-08	1.56E-08
4612	477363.09	3859877.25	1.21E-04	1.24E-04	1.17E-04	4.19E-08	1.26E-07	7.32E-08	7.50E-08	6.80E-08	3.10E-08	2.93E-08	1.40E-09	3.38E-08	7.46E-09	1.02E-08	1.62E-08	2.85E-09	1.93E-09	7.38E-08	3.82E-08	1.62E-08	1.91E-08	7.49E-09	3.82E-08	1.62E-08
4613	477863.09	3859877.25	1.39E-04	1.42E-04	1.34E-04	4.80E-08	1.45E-07	8.39E-08	8.60E-08	7.79E-08	3.56E-08	3.35E-08	1.60E-09	3.87E-08	8.55E-09	1.17E-08	1.85E-08	3.26E-09	2.21E-09	8.46E-08	4.38E-08	1.86E-08	2.19E-08	8.59E-09	4.38E-08	1.86E-08

4614	478363.09	3859877.25	1.61E-04	1.65E-04	1.55E-04	5.57E-08	1.68E-07	9.73E-08	9.97E-08	9.04E-08	4.12E-08	3.89E-08	1.86E-09	4.49E-08	9.91E-09	1.35E-08	2.15E-08	3.78E-09	2.57E-09	9.80E-08	5.08E-08	2.15E-08	2.53E-08	9.96E-09	5.08E-08	2.15E-08
4615	478863.09	3859877.25	1.90E-04	1.95E-04	1.84E-04	6.59E-08	1.99E-07	1.15E-07	1.18E-07	1.07E-07	4.88E-08	4.60E-08	2.20E-09	5.32E-08	1.17E-08	1.60E-08	2.54E-08	4.48E-09	3.04E-09	1.16E-07	6.01E-08	2.55E-08	3.00E-08	1.18E-08	6.01E-08	2.55E-08
4616	479363.09	3859877.25	2.26E-04	2.31E-04	2.18E-04	7.82E-08	2.36E-07	1.37E-07	1.40E-07	1.27E-07	5.79E-08	5.46E-08	2.61E-09	6.31E-08	1.39E-08	1.90E-08	3.01E-08	5.31E-09	3.60E-09	1.38E-07	7.13E-08	3.02E-08	3.56E-08	1.40E-08	7.13E-08	3.02E-08
4617	479863.09	3859877.25	2.54E-04	2.60E-04	2.45E-04	8.79E-08	2.65E-07	1.54E-07	1.57E-07	1.43E-07	6.51E-08	6.14E-08	2.93E-09	7.09E-08	1.56E-08	2.14E-08	3.39E-08	5.97E-09	4.05E-09	1.55E-07	8.01E-08	3.40E-08	4.00E-08	1.57E-08	8.01E-08	3.40E-08
4618	480363.09	3859877.25	2.77E-04	2.84E-04	2.68E-04	9.60E-08	2.90E-07	1.68E-07	1.72E-07	1.56E-07	7.11E-08	6.71E-08	3.21E-09	7.75E-08	1.71E-08	2.33E-08	3.70E-08	6.53E-09	4.43E-09	1.69E-07	8.76E-08	3.72E-08	4.37E-08	1.72E-08	8.76E-08	3.72E-08
4619	480863.09	3859877.25	2.95E-04	3.02E-04	2.85E-04	1.02E-07	3.09E-07	1.79E-07	1.83E-07	1.66E-07	7.57E-08	7.14E-08	3.41E-09	8.24E-08	1.82E-08	2.48E-08	3.94E-08	6.94E-09	4.71E-09	1.80E-07	9.32E-08	3.95E-08	4.65E-08	1.83E-08	9.32E-08	3.95E-08
4620	481363.09	3859877.25	3.10E-04	3.17E-04	2.99E-04	1.07E-07	3.24E-07	1.88E-07	1.92E-07	1.74E-07	7.94E-08	7.49E-08	3.58E-09	8.65E-08	1.91E-08	2.61E-08	4.14E-08	7.29E-09	4.94E-09	1.89E-07	9.78E-08	4.15E-08	4.88E-08	1.92E-08	9.78E-08	4.15E-08
4621	481863.09	3859877.25	3.25E-04	3.33E-04	3.14E-04	1.12E-07	3.39E-07	1.96E-07	2.01E-07	1.82E-07	8.32E-08	7.85E-08	3.75E-09	9.07E-08	2.00E-08	2.73E-08	4.33E-08	7.64E-09	5.18E-09	1.98E-07	1.02E-07	4.35E-08	5.12E-08	2.01E-08	1.02E-07	4.35E-08
4622	482363.09	3859877.25	3.42E-04	3.51E-04	3.31E-04	1.19E-07	3.58E-07	2.07E-07	2.12E-07	1.92E-07	8.78E-08	8.28E-08	3.96E-09	9.56E-08	2.11E-08	2.88E-08	4.57E-08	8.05E-09	5.46E-09	2.09E-07	1.08E-07	4.59E-08	5.39E-08	2.12E-08	1.08E-07	4.59E-08
4623	482863.09	3859877.25	3.59E-04	3.67E-04	3.46E-04	1.24E-07	3.75E-07	2.17E-07	2.22E-07	2.01E-07	9.19E-08	8.67E-08	4.15E-09	1.00E-07	2.21E-08	3.02E-08	4.79E-08	8.44E-09	5.72E-09	2.19E-07	1.13E-07	4.80E-08	5.65E-08	2.22E-08	1.13E-07	4.80E-08
4624	483363.09	3859877.25	3.79E-04	3.88E-04	3.66E-04	1.31E-07	3.96E-07	2.30E-07	2.35E-07	2.13E-07	9.72E-08	9.17E-08	4.38E-09	1.06E-07	2.34E-08	3.19E-08	5.06E-08	8.92E-09	6.05E-09	2.31E-07	1.20E-07	5.08E-08	5.98E-08	2.35E-08	1.20E-07	5.08E-08
4625	483863.09	3859877.25	4.12E-04	4.22E-04	3.98E-04	1.43E-07	4.30E-07	2.49E-07	2.55E-07	2.31E-07	1.06E-07	9.96E-08	4.76E-09	1.15E-07	2.54E-08	3.46E-08	5.50E-08	9.69E-09	6.57E-09	2.51E-07	1.30E-07	5.51E-08	6.49E-08	2.55E-08	1.30E-07	5.51E-08
4626	484363.09	3859877.25	4.37E-04	4.47E-04	4.22E-04	1.51E-07	4.57E-07	2.64E-07	2.71E-07	2.45E-07	1.12E-07	1.06E-07	5.05E-09	1.22E-07	2.69E-08	3.68E-08	5.83E-08	1.03E-08	6.97E-09	2.66E-07	1.38E-07	5.85E-08	6.88E-08	2.70E-08	1.38E-07	5.85E-08
4627	484863.09	3859877.25	4.65E-04	4.76E-04	4.49E-04	1.61E-07	4.86E-07	2.81E-07	2.88E-07	2.61E-07	1.19E-07	1.12E-07	5.37E-09	1.30E-07	2.86E-08	3.91E-08	6.21E-08	1.09E-08	7.41E-09	2.83E-07	1.47E-07	6.23E-08	7.32E-08	2.88E-08	1.47E-07	6.23E-08
4628	485363.09	3859877.25	5.05E-04	5.17E-04	4.88E-04	1.75E-07	5.28E-07	3.05E-07	3.13E-07	2.84E-07	1.29E-07	1.22E-07	5.83E-09	1.41E-07	3.11E-08	4.25E-08	6.74E-08	1.19E-08	8.05E-09	3.08E-07	1.59E-07	6.76E-08	7.95E-08	3.12E-08	1.59E-07	6.76E-08
4629	485863.09	3859877.25	5.59E-04	5.73E-04	5.40E-04	1.94E-07	5.85E-07	3.38E-07	3.47E-07	3.14E-07	1.43E-07	1.35E-07	6.47E-09	1.56E-07	3.45E-08	4.71E-08	7.47E-08	1.32E-08	8.92E-09	3.41E-07	1.77E-07	7.49E-08	8.81E-08	3.46E-08	1.77E-07	7.49E-08
4630	486363.09	3859877.25	6.24E-04	6.39E-04	6.03E-04	2.16E-07	6.53E-07	3.78E-07	3.87E-07	3.51E-07	1.60E-07	1.51E-07	7.22E-09	1.74E-07	3.85E-08	5.25E-08	8.33E-08	1.47E-08	9.96E-09	3.80E-07	1.97E-07	8.36E-08	9.83E-08	3.86E-08	1.97E-07	8.36E-08
4631	486863.09	3859877.25	7.01E-04	7.18E-04	6.77E-04	2.43E-07	7.33E-07	4.24E-07	4.34E-07	3.94E-07	1.80E-07	1.70E-07	8.10E-09	1.96E-07	4.32E-08	5.90E-08	9.36E-08	1.65E-08	1.12E-08	4.27E-07	2.21E-07	9.39E-08	1.10E-07	4.34E-08	2.21E-07	9.39E-08
4632	487363.09	3859877.25	7.84E-04	8.03E-04	7.57E-04	2.71E-07	8.19E-07	4.74E-07	4.86E-07	4.40E-07	2.01E-07	1.89E-07	9.06E-09	2.19E-07	4.83E-08	6.59E-08	1.05E-07	1.84E-08	1.25E-08	4.78E-07	2.47E-07	1.05E-07	1.23E-07	4.85E-08	2.47E-07	1.05E-07
4633	487863.09	3859877.25	8.91E-04	9.13E-04	8.61E-04	3.09E-07	9.32E-07	5.39E-07	5.52E-07	5.01E-07	2.29E-07	2.16E-07	1.03E-08	2.49E-07	5.49E-08	7.50E-08	1.19E-07	2.10E-08	1.42E-08	5.43E-07	2.81E-07	1.19E-07	1.40E-07	5.52E-08	2.81E-07	1.19E-07
4634	488363.09	3859877.25	1.02E-03	1.04E-03	9.85E-04	3.53E-07	1.07E-06	6.17E-07	6.32E-07	5.73E-07	2.61E-07	2.47E-07	1.18E-08	2.85E-07	6.28E-08	8.58E-08	1.36E-07	2.40E-08	1.63E-08	6.22E-07	3.22E-07	1.37E-07	1.61E-07	6.31E-08	3.22E-07	1.37E-07
4635	488863.09	3859877.25	1.26E-03	1.30E-03	1.22E-03	4.38E-07	1.32E-06	7.65E-07	7.84E-07	7.11E-07	3.24E-07	3.06E-07	1.46E-08	3.53E-07	7.79E-08	1.06E-07	1.69E-07	2.98E-08	2.02E-08	7.71E-07	3.99E-07	1.69E-07	1.99E-07	7.83E-08	3.99E-07	1.69E-07
4636	489363.09	3859877.25	1.70E-03	1.75E-03	1.65E-03	5.90E-07	1.78E-06	1.03E-06	1.06E-06	9.58E-07	4.37E-07	4.12E-07	1.97E-08	4.76E-07	1.05E-07	1.43E-07	2.28E-07	4.01E-08	2.72E-08	1.04E-06	5.38E-07	2.28E-07	2.69E-07	1.05E-07	5.38E-07	2.28E-07
4637	489863.09	3859877.25	2.68E-03	2.75E-03	2.59E-03	9.29E-07	2.80E-06	1.62E-06	1.66E-06	1.51E-06	6.88E-07	6.49E-07	3.10E-08	7.49E-07	1.65E-07	2.26E-07	3.58E-07	6.31E-08	4.28E-08	1.64E-06	8.47E-07	3.59E-07	4.23E-07	1.66E-07	8.47E-07	3.59E-07
4638	490363.09	3859877.25	6.03E-03	6.18E-03	5.83E-03	2.09E-06	6.30E-06	3.65E-06	3.74E-06	3.39E-06	1.55E-06	1.46E-06	6.97E-08	1.68E-06	3.72E-07	5.08E-07	8.05E-07	1.42E-07	9.62E-08	3.68E-06	1.90E-06	8.08E-07	9.50E-07	3.73E-07	1.90E-06	8.08E-07
4639	490863.09	3859877.25	4.58E-02	4.69E-02	4.42E-02	1.58E-05	4.78E-05	2.77E-05	2.84E-05	2.57E-05	1.17E-05	1.11E-05	5.29E-07	1.28E-05	2.82E-06	3.85E-06	6.11E-06	1.08E-06	7.30E-07	2.79E-05	1.44E-05	6.13E-06	7.21E-06	2.83E-06	1.44E-05	6.13E-06
4640	491363.09	3859877.25	8.86E-03	9.07E-03	8.56E-03	3.07E-06	9.26E-06	5.36E-06	5.49E-06	4.98E-06	2.27E-06	2.14E-06	1.02E-07	2.47E-06	5.46E-07	7.45E-07	1.18E-06	2.08E-07	1.41E-07	5.40E-06	2.80E-06	1.19E-06	1.40E-06	5.48E-07	2.80E-06	1.19E-06
4641	491863.09	3859877.25	4.49E-03	4.60E-03	4.34E-03	1.55E-06	4.69E-06	2.72E-06	2.78E-06	2.52E-06	1.15E-06	1.09E-06	5.19E-08	1.25E-06	2.77E-07	3.78E-07	5.99E-07	1.06E-07	7.16E-08	2.74E-06	1.42E-06	6.01E-07	7.07E-07	2.78E-07	1.42E-06	6.01E-07
4642	492363.09	3859877.25	3.05E-03	3.12E-03	2.94E-03	1.05E-06	3.18E-06	1.84E-06	1.89E-06	1.71E-06	7.81E-07	7.37E-07	3.52E-08	8.51E-07	1.88E-07	2.56E-07	4.07E-07	7.17E-08	4.86E-08	1.86E-06	9.61E-07	4.08E-07	4.80E-07	1.89E-07	9.61E-07	4.08E-07
4643	492863.09	3859877.25	2.24E-03	2.29E-03	2.16E-03	7.74E-07	2.34E-06	1.35E-06	1.39E-06	1.26E-06	5.73E-07	5.41E-07	2.58E-08	6.24E-07	1.38E-07	1.88E-07	2.98E-07	5.26E-08	3.57E-08	1.36E-06	7.06E-07	2.99E-07	3.52E-07	1.38E-07	7.06E-07	2.99E-07
4644	493363.09	3859877.25	1.84E-03	1.89E-03	1.78E-03	6.38E-07	1.93E-06	1.12E-06	1.14E-06	1.04E-06	4.73E-07	4.46E-07	2.13E-08	5.15E-07	1.14E-07	1.55E-07	2.46E-07	4.34E-08	2.94E-08	1.12E-06	5.82E-07	2.47E-07	2.90E-07	1.14E-07	5.82E-07	2.47E-07
4645	493863.09	3859877.25	1.59E-03	1.62E-03	1.53E-03	5.49E-07	1.66E-06	9.59E-07	9.82E-07	8.90E-07	4.06E-07	3.83E-07	1.83E-08	4.43E-07	9.77E-08	1.33E-07	2.12E-07	3.73E-08	2.53E-08	9.66E-07	5.00E-07	2.12E-07	2.50E-07	9.81E-08	5.00E-07	2.12E-07
4646	494363.09	3859877.25	1.37E-03	1.40E-03	1.32E-03	4.73E-07	1.43E-06	8.26E-07	8.46E-07	7.67E-07	3.50E-07	3.30E-07	1.58E-08	3.81E-07	8.41E-08	1.15E-07	1.82E-07	3.21E-08	2.18E-08	8.32E-07	4.31E-07	1.83E-07	2.15E-07	8.45E-08	4.31E-07	1.83E-07
4647	494863.09	3859877.25	1.25E-03	1.28E-03	1.20E-03	4.32E-07	1.30E-06	7.55E-07	7.73E-07	7.01E-07	3.20E-07	3.02E-07	1.44E-08	3.48E-07	7.68E-08	1.05E-07	1.66E-07	2.93E-08	1.99E-08	7.60E-07	3.94E-07	1.67E-07	1.96E-07	7.72E-08	3.94E-07	1.67E-07
4648	495363.09	3859877.25	1.13E-03	1.15E-03	1.09E-03	3.90E-07	1.18E-06	6.82E-07	6.99E-07	6.33E-07	2.89E-07	2.73E-07	1.30E-08	3.15E-07	6.95E-08	9.49E-08	1.51E-07	2.65E-08	1.80E-08	6.87E-07	3.56E-07	1.51E-07	1.78E-07	6.98E-08	3.56E-07	1.51E-07
4649	495863.09	3859877.25	1.02E-03	1.05E-03	9.90E-04	3.55E-07	1.07E-06	6.20E-07	6.35E-07	5.75E-07	2.63E-07	2.48E-07	1.18E-08	2.86E-07	6.31E-08	8.62E-08	1.37E-07	2.41E-08	1.63E-08	6.24E-07	3.23E-07	1.37E-07	1.61E-07	6.34E-08	3.23E-07	1.37E-07
4650	496363.09	3859877.25	9.05E-04	9.27E-04	8.74E-04	3.13E-07	9.46E-07	5.47E-07	5.61E-07	5.08E-07	2.32E-07	2.19E-07	1.05E-08	2.53E-07	5.57E-08	7.61E-08	1.21E-07	2.13E-08	1.44E-08	5.51E-07	2.86E-07	1.21E-07	1.43E-07	5.60E-08	2.86E-07	1.21E-07
4651	496863.09	3859877.25	7.50E-04	7.68E-04	7.24E-04	2.60E-07	7.84E-07	4.54E-07	4.65E-07	4.21E-07	1.92E-07	1.81E-07	8.67E-09	2.09E-07	4.62E-08	6.31E-08	1.00E-07	1.76E-08	1.20E-08	4.57E-07	2.37E-07	1.00E-07	1.18E-07	4.64E-08	2.37E-07	1.00E-07
4652	497363.09	3859877.25	7.95E-04	8.15E-04	7.69E-04	2.75E-07	8.31E-07	4.81E-07	4.93E-07	4.47E-07	2.04E-07	1.92E-07	9.20E-09	2.22E-07	4.90E-08	6.69E-08	1.06E-07	1.87E-08	1.27E-08	4.85E-07	2.51E-07	1.07E-07	1.25E-07	4.92E-08	2.51E-07	1.07E-07
4653	497863.09	3859877.25	8.62E-04	8.83E-04	8.33E-04	2.98E-07	9.01E-07	5.22E-07	5.34E-07	4.84E-07	2.21E-07	2.08E-07	9.96E-09	2.41E-07	5.31E-08	7.25E-08	1.15E-07	2.03E-08	1.37E-08	5.25E-07	2.72E-07	1.15E-07	1.36E-07	5.33E-08	2.72E-07	1.15E-07
4654	498363.09	3859877.25	8.96E-04	9.18E-04	8.65E-04	3.10E-07	9.36E-07	5.42E-07	5.55E-07	5.03E-07	2.30E-07	2.17E-07	1.04E-08	2.50E-07	5.52E-08	7.54E-08	1.20E-07	2.11E-08	1.43E-08	5.46E-07	2.83E-07	1.20E-07	1.41E-07	5.54E-08	2.83E-07	1.20E-07
4655	471363.09	3860377.25	1.61E-04	1.65E-04	1.55E-04	5.57E-08	1.68E-07	9.73E-08	9.97E-08	9.04E-08	4.12E-08	3.89E-08	1.86E-09	4.49E-08	9.91E-09	1.35E-08	2.15E-08	3.78E-09	2.57E-09	9.80E-08	5.08E-08	2.15E-08	2.53E-08	9.96E-09	5.08E-08	2.15E-08
4656	471863.09	3860377.25	1.64E-04	1.68E-04	1.58E-04	5.67E-08	1.71E-07	9.91E-08	1.02E-07	9.20E-08	4.20E-08	3.96E-08	1.89E-09	4.57E-08	1.01E-08	1.38E-08	2.19E-08	3.85E-09	2.61E-09	9.98E-08	5.17E-08	2.19E-08	2.58E-08	1.01E-08	5.17E-08	2.19E-08
4657	472363.09	3860377.25	1.68E-04	1.72E-04	1.63E-04	5.82E-08	1.76E-07	1.02E-07	1.04E-07	9.45E-08	4.31E-08	4.07E-08	1.94E-09	4.70E-08	1.04E-08	1.42E-08	2.25E-08	3.96E-09	2.68E-09	1.03E-07	5.31E-08	2.25E-08	2.65E-08	1.04E-08	5.31E-08	2.25E-08
4658	472863.09	3860377.25	1.73E-04	1.77E-04	1.67E-04	5.98E-08	1.80E-07	1.04E-07	1.07E-07	9.70E-08	4.43E-08	4.18E-08	2.00E-09	4.82E-08	1.06E-08	1.45E-08	2.30E-08	4.06E-09	2.75E-09	1.05E-07	5.45E-08	2.31E-08	2.72E-08	1.07E-08	5.45E-08	2.31E-08
4659	473363.09	3860377.25	1.77E-04	1.81E-04	1.71E-04	6.13E-08	1.85E-07	1.07E-07	1.10E-07	9.95E-08	4.54E-08	4.28E-08	2.05E-09	4.95E-08	1.09E-08	1.49E-08	2.36E-08	4.17E-09	2.82E-09	1.08E-07	5.59E-08	2.37E-08	2.79E-08	1.10E-08	5.59E-08	2.37E-08
4660	473863.09	3860377.25	1.80E-04	1.84E-04	1.74E-04	6.23E-08	1.88E-07	1.09E-07	1.12E-07	1.01E-07	4.62E-08	4.35E-08	2.08E-09	5.03E-08	1.11E-08	1.52E-08	2.40E-08	4.24E-09	2.87E-09	1.10E-07	5.68E-08	2.41E-08	2.84E-08	1.11E-08	5.68E-08	2.41E-08
4661	474363.09	3860377.25	1.80E-04	1.84E-04	1.74E-04	6.23E-08	1.88E-07	1.09E-07	1.12E-07	1.01E-07	4.62E-08	4.35E-08	2.08E-09	5.03E-08	1.11E-08	1.52E-08	2.40E-08	4.24E-09	2.87E-09	1.10E-07	5.68E-08	2.41E-08	2.84E-08	1.11E-08	5.68E-08	2.41E-08
4662	474863.09	3860377.25	1.77E-04	1.81E-04	1.71E-04	6.13E-08	1.85E-07	1.07E-07	1.10E-07	9.95E-08	4.54E-08	4.28E-08	2.05E-09	4.95E-08	1.09E-08	1.49E-08	2.36E-08	4.17E-09	2.82E-09	1.08E-07	5.59E-08	2.37E-08	2.79E-08	1.10E-08	5.59E-08	2.37E-08
4663	475363.09	3860377.25	1.67E-04	1.71E-04	1.61E-04	5.77E-08	1.74E-07	1.01E-07	1.03E-07	9.37E-08	4.28E-08	4.03E-08	1.93E-09	4.66E-08	1.03E-08	1.40E-08	2.23E-08	3.92E-09	2.66E-09	1.02E-07	5.26E-08	2.23E-08	2.63E-08	1.03E-08	5.26E-08	2.23E-08
4664	475863.09	3860377.25	1.58E-04	1.62E-04	1.53E-04	5.47E-08	1.65E-07	9.56E-08	9.79E-08	8.87E-08	4.05E-08	3.82E-08	1.83E-09	4.41E-08	9.73E-09	1.33E-08	2.11E-08	3.71E-09	2.52E-09	9.62E-08	4.98E-08	2.11E-08	2.49E-08	9.77E-09	4.98E-08	2.11E-08
4665	476363.09	3860377.25	1.45E-04	1.48E-04	1.40E-04	5.01E-08	1.51E-07	8.75E-08	8.96E-08	8.13E-08	3.71E-08	3.50E-08	1.67E-09	4.04E-08	8.91E-09	1.22E-08	1.93E-08	3.40E-09	2.31E-09	8.82E-08	4.56E-08	1.94E-08	2.28E-08	8.95E-09	4.56E-08	1.94E-08
4666	476863.09	3860377.25	1.42E-04	1.45E-04	1.37E-04	4.90E-08	1.48E-07	8.57E-08	8.78E-08	7.96E-08	3.63E-08	3.43E-08	1.64E-09	3.96E-08	8.73E-09	1.19E-08	1.89E-08	3.33E-09	2.26E-09	8.64E-08	4.47E-08	1.90E-08	2.23E-08	8.77E-09	4.47E-08	1.90E-08
4667	477363.09	3860377.25	1.27E-04	1.30E-04	1.23E-04	4.39E-08	1.33E-07	7.68E-08	7.87E-08	7.13E-08	3.25E-08	3.07E-08	1.47E-09	3.54E-08	7.82E-09	1.07E-08	1.69E-08	2.99E-09	2.02E-09	7.74E-08	4.01E-08	1.70E-08	2.00E-08	7.86E-09	4.01E-08	1.70E-08
4668	477863.09	3860377.25	1.36E-04	1.39E-04	1.31E-04	4.70E-08	1.42E-07	8.22E-08	8.41E-08	7.63E-08	3.48E-08	3.28E-08	1.57E-09	3.79E-08	8.37E-09	1.14E-08	1.81E-08	3.19E-09	2.17E-09	8.28E-08	4.29E-08	1.82E-08	2.14E-08	8.40E-09	4.29E-08	1.82E-08
4669	478363.09	3860377.25	1.59E-04	1.63E-04	1.54E-04	5.52E-08	1.67E-07	9.64E-08	9.88E-08	8.95E-08	4.09E-08	3.85E-08	1.84E-09	4.45E-08	9.82E-09	1.34E-08	2.13E-08	3.75E-09	2.54E-09	9.71E-08	5.03E-08	2.13E-08	2.51E-08	9.86E-09	5.03E-08	2.13E-08
4670	478863.09	3860377.25	1.86E-04	1.90E-04	1.80E-04	6.44E-08	1.94E-07	1.13E-07	1.15E-07	1.04E-07	4.77E-08	4.50E-08	2.15E-09	5.19E-08	1.15E-08	1.56E-08	2.48E-08	4.37E-09	2.97E-09	1.13E-07	5.87E-08	2.49E-08	2.93E-08	1.15E-08	5.87E-08	2.49E-08
4671	479363.09	3860377.25	2.17E-04	2.22E-04	2.10E-04	7.51E-08	2.27E-07	1.31E-07	1.34E-07	1.22E-07	5.56E-08	5.25E-08	2.51E-09	6.06E-08	1.34E-08	1.83E-08	2.90E-08	5.10E-09	3.46E-09	1.32E-07	6.85E-08	2.91E-08	3.42E-08	1.34E-08	6.85E-08	2.91E-08
4672	479863.09	3860377.25	2.44E-04	2.49E-04	2.35E-04	8.43E-08	2.55E-07	1.47E-07	1.51E-07	1.37E-07	6.24E-08	5.89E-08	2.81E-09	6.80E-08	1.50E-08	2.05E-08	3.25E-08	5.73E-09	3.88E-09	1.48E-07	7.69E-08	3.26E-08	3.84E-08	1.51E-08	7.69E-08	3.26E-08
4673	480363.09	3860377.25	2.64E-04	2.71E-04	2.55E-04	9.15E-08	2.76E-07	1.60E-07	1.64E-07	1.48E-07	6.77E-08	6.39E-08	3.05E-09	7.38E-08	1.63E-08	2.22E-08	3.53E-08	6.21E-09	4.21E-09	1.61E-07	8.34E-08	3.54E-08	4.16E-08	1.63E-08	8.34E-08	3.54E-08
4674	480863.09	3860377.25	2.82E-04	2.89E-04	2.72E-04	9.76E-08	2.95E-07	1.71E-07	1.75E-07	1.58E-07	7.23E-08	6.82E-08	3.26E-09	7.87E-08	1.74E-08	2.37E-08	3.76E-08	6.63E-09	4.50E-09	1.72E-07	8.90E-08	3.77E-08	4.44E-08	1.74E-08	8.90E-08	3.77E-08
4675	481363.09	3860377.25	2.92E-04	2.99E-04	2.82E-04	1.01E-07	3.05E-07	1.77E-07	1.81E-07	1.64E-07	7.49E-08	7.07E-08	3.38E-09	8.16E-08	1.80E-08	2.46E-08	3.90E-08	6.87E-09	4.66E-09	1.78E-07	9.22E-08	3.91E-08	4.60E-08	1.81E-08	9.22E-08	3.91E-08
4676	481863.09	3860377.25	3.10E-04	3.17E-04	2.99E-04	1.07E-07	3.24E-07	1.88E-07	1.92E-07	1.74E-07	7.94E-08	7.49E-08	3.58E-09	8.65E-08	1.91E-08	2.61E-08	4.14E-08	7.29E-09	4.94E-09	1.89E-07	9.78E-08	4.15E-08	4.88E-08	1.92E-08	9.78E-08	4.15E-08
4677	482363.09	3860377.25	3.25E-04	3.33E-04	3.14E-04	1.12E-07	3.39E-07	1.96E-07	2.01E-07	1.82E-07	8.32E-08	7.85E-08	3.75E-09	9.07E-08	2.00E-08	2.73E-08	4.33E-08	7.64E-09	5.18E-09	1.98E-07	1.02E-07	4.35E-08	5.12E-08	2.01E-08	1.02E-07	4.35E-08
4678	482863.09	3860377.25	3.36E-04	3.45E-04	3.25E-04	1.16E-07	3.52E-07	2.04E-07	2.09E-07	1.89E-07	8.63E-08	8.14E-08	3.89E-09	9.40E-08	2.07E-08	2.83E-08	4.49E-08	7.92E-09	5.37E-09	2.05E-07	1.06E-07	4.51E-08	5.30E-08	2.08E-08	1.06E-07	4.51E-08
4679	483363.09	3860377.25	3.57E-04	3.66E-04	3.45E-04	1.24E-07	3.73E-07	2.16E-07	2.21E-07	2.01E-07	9.16E-08	8.64E-08	4.13E-09	9.97E-08	2.20E-08	3.01E-08	4.77E-08	8.40E-09	5.70E-09	2.18E-07	1.13E-07	4.78E-08	5.63E-08	2.21E-08	1.13E-07	4.78E-08
4680	483863.09	3860377.25	3.73E-04	3.82E-04	3.61E-04	1.29E-07	3.90E-07	2.26E-07	2.31E-07	2.10E-07	9.57E-08	9.03E-08	4.32E-09	1.04E-07	2.30E-08	3.14E-08	4.98E-08	8.78E-09	5.96E-09	2.28E-07	1.18E-07	5.00E-08	5.88E-08	2.31E-08	1.18E-07	5.00E-08
4681	484363.09	3860377.25	3.97E-04	4.07E-04	3.84E-04	1.37E-07	4.15E-07	2.40E-07	2.46E-07	2.23E-07	1.02E-07	9.60E-08	4.59E-09	1.11E-07	2.45E-08	3.34E-08	5.30E-08	9.34E-09	6.33E-09	2.42E-07	1.25E-07	5.32E-08	6.25E-08	2.46E-08	1.25E-07	5.32E-08
4682	484863.09	3860377.25	4.16E-04	4.26E-04	4.02E-04	1.44E-07	4.35E-07	2.52E-07	2.58E-07	2.34E-07	1.07E-07	1.01E-07	4.81E-09	1.16E-07	2.56E-08	3.50E-08	5.56E-08	9.79E-09	6.64E-09	2.54E-07	1.31E-07	5.57E-08	6.56E-08	2.58E-08	1.31E-07	5.57E-08
4683	485363.09	3860377.25	4.40E-04	4.50E-04	4.25E-04	1.52E-07	4.60E-07	2.66E-07	2.73E-07	2.47E-07	1.13E-07	1.06E-07	5.08E-09	1.23E-07	2.71E-08	3.70E-08	5.87E-08	1.03E-08	7.01E-09	2.68E-07	1.39E-07	5.89E-08	6.93E-08	2.72E-08	1.39E-07	5.89E-08
4684	485863.09	3860377.25	4.75E-04	4.87E-04	4.59E-04	1.65E-07	4.97E-07	2.88E-07	2.95E-07	2.67E-07	1.22E-07	1.15E-07	5.49E-09	1.33E-07	2.93E-08	4.00E-08	6.34E-08	1.12E-08	7.58E-09	2.90E-07	1.50E-07	6.36E-08	7.49E-08	2.94E-08	1.50E-07	6.36E-08
4685	486363.09	3860377.25	5.18E-04	5.31E-04	5.00E-04	1.79E-07	5.41E-07	3.13E-07	3.21E-07	2.91E-07	1.33E-07	1.25E-07	5.99E-09	1.45E-07	3.19E-08	4.36E-08	6.91E-08	1.22E-08	8.26E-09	3.16E-07	1.63E-07	6.94E-08	8.16E-08	3.21E-08	1.63E-07	6.94E-08
4686	486863.09	3860377.25	5.65E-04	5.79E-04	5.46E-04	1.96E-07	5.91E-07	3.42E-07	3.50E-07	3.18E-07	1.45E-07	1.37E-07	6.53E-09	1.58E-07	3.48E-08	4.76E-08	7.55E-08	1.33E-08	9.02E-09	3.45E-07	1.78E-07	7.57E-08	8.90E-08	3.50E-08	1.78E-07	7.57E-08
4687	487363.09	3860377.25	6.23E-04	6.38E-04	6.02E-04	2.16E-07	6.51E-07	3.77E-07	3.86E-07	3.50E-07	1.60E-07	1.51E-07	7.20E-09	1.74E-07	3.84E-08	5.24E-08	8.31E-08	1.47E-08	9.93E-09	3.80E-07	1.97E-07	8.34E-08	9.81E-08	3.85E-08	1.97E-07	8.34E-08
4688	487863.09	3860377.25	7.00E-04	7.17E-04	6.76E-04	2.42E-07	7.31E-07	4.23E-07	4.34E-07	3.93E-07	1.79E-07	1.69E-07	8.09E-09	1.95E-07	4.31E-08	5.89E-08	9.34E-08	1.65E-08	1.12E-08	4.26E-07	2.21E-07	9.37E-08	1.10E-07	4.33E-08	2.21E-07	9.37E-08
4689	488363.09	3860377.25	7.87E-04	8.06E-04	7.60E-04	2.72E-07	8.22E-07	4.76E-07	4.88E-07	4.42E-07	2.02E-07	1.90E-07	9.09E-09	2.20E-07	4.85E-08	6.62E-08	1.05E-07	1.85E-08	1.25E-08	4.79E-07	2.48E-07	1.05E-07	1.24E-07	4.87E-08	2.48E-07	1.05E-07
4690	488863.09	3860377.25	9.02E-04	9.24E-04	8.71E-04	3.12E-07	9.43E-07	5.46E-07	5.59E-07	5.07E-07	2.31E-07	2.18E-07	1.04E-08	2.52E-07	5.56E-08	7.59E-08	1.20E-07	2.12E-08	1.44E-08	5.50E-07	2.85E-07	1.21E-07	1.42E-07	5.58E-08	2.85E-07	1.21E-07

4691	489363.09	3860377.25	1.06E-03	1.09E-03	1.02E-03	3.67E-07	1.11E-06	6.41E-07	6.57E-07	5.95E-07	2.72E-07	2.56E-07	1.22E-08	2.96E-07	6.53E-08	8.92E-08	1.41E-07	2.49E-08	1.69E-08	6.46E-07	3.34E-07	1.42E-07	1.67E-07	6.56E-08	3.34E-07	1.42E-07
4692	489863.09	3860377.25	1.28E-03	1.31E-03	1.23E-03	4.41E-07	1.33E-06	7.72E-07	7.90E-07	7.16E-07	3.27E-07	3.08E-07	1.47E-08	3.56E-07	7.86E-08	1.07E-07	1.70E-07	3.00E-08	2.03E-08	7.77E-07	4.02E-07	1.71E-07	2.01E-07	7.89E-08	4.02E-07	1.71E-07
4693	490363.09	3860377.25	1.64E-03	1.67E-03	1.58E-03	5.66E-07	1.71E-06	9.89E-07	1.01E-06	9.19E-07	4.19E-07	3.95E-07	1.89E-08	4.57E-07	1.01E-07	1.38E-07	2.18E-07	3.85E-08	2.61E-08	9.97E-07	5.16E-07	2.19E-07	2.58E-07	1.01E-07	5.16E-07	2.19E-07
4694	490863.09	3860377.25	2.47E-03	2.53E-03	2.39E-03	8.56E-07	2.59E-06	1.50E-06	1.53E-06	1.39E-06	6.34E-07	5.98E-07	2.86E-08	6.91E-07	1.52E-07	2.08E-07	3.30E-07	5.82E-08	3.95E-08	1.51E-06	7.81E-07	3.31E-07	3.90E-07	1.53E-07	7.81E-07	3.31E-07
4695	491363.09	3860377.25	7.47E-03	7.65E-03	7.22E-03	2.59E-06	7.81E-06	4.52E-06	4.63E-06	4.20E-06	1.92E-06	1.81E-06	8.64E-08	2.09E-06	4.60E-07	6.29E-07	9.97E-07	1.76E-07	1.19E-07	4.55E-06	2.36E-06	1.00E-06	1.18E-06	4.62E-07	2.36E-06	1.00E-06
4696	491863.09	3860377.25	1.28E-02	1.31E-02	1.24E-02	4.44E-06	1.34E-05	7.75E-06	7.94E-06	7.20E-06	3.28E-06	3.10E-06	1.48E-07	3.58E-06	7.89E-07	1.08E-06	1.71E-06	3.01E-07	2.04E-07	7.81E-06	4.04E-06	1.72E-06	2.02E-06	7.93E-07	4.04E-06	1.72E-06
4697	492363.09	3860377.25	5.15E-03	5.28E-03	4.98E-03	1.78E-06	5.39E-06	3.12E-06	3.19E-06	2.89E-06	1.32E-06	1.25E-06	5.96E-08	1.44E-06	3.17E-07	4.34E-07	6.88E-07	1.21E-07	8.22E-08	3.14E-06	1.63E-06	6.90E-07	8.12E-07	3.19E-07	1.63E-06	6.90E-07
4698	492863.09	3860377.25	3.46E-03	3.55E-03	3.35E-03	1.20E-06	3.62E-06	2.09E-06	2.15E-06	1.95E-06	8.88E-07	8.37E-07	4.00E-08	9.67E-07	2.13E-07	2.91E-07	4.62E-07	8.15E-08	5.52E-08	2.11E-06	1.09E-06	4.64E-07	5.45E-07	2.14E-07	1.09E-06	4.64E-07
4699	493363.09	3860377.25	2.50E-03	2.56E-03	2.42E-03	8.66E-07	2.62E-06	1.51E-06	1.55E-06	1.41E-06	6.42E-07	6.05E-07	2.89E-08	6.99E-07	1.54E-07	2.11E-07	3.34E-07	5.89E-08	3.99E-08	1.53E-06	7.90E-07	3.35E-07	3.94E-07	1.55E-07	7.90E-07	3.35E-07
4700	493863.09	3860377.25	2.15E-03	2.20E-03	2.08E-03	7.44E-07	2.25E-06	1.30E-06	1.33E-06	1.21E-06	5.51E-07	5.20E-07	2.48E-08	6.00E-07	1.32E-07	1.81E-07	2.87E-07	5.06E-08	3.43E-08	1.31E-06	6.78E-07	2.88E-07	3.39E-07	1.33E-07	6.78E-07	2.88E-07
4701	494363.09	3860377.25	1.80E-03	1.84E-03	1.74E-03	6.22E-07	1.88E-06	1.09E-06	1.11E-06	1.01E-06	4.61E-07	4.35E-07	2.08E-08	5.02E-07	1.11E-07	1.51E-07	2.40E-07	4.23E-08	2.87E-08	1.10E-06	5.67E-07	2.41E-07	2.83E-07	1.11E-07	5.67E-07	2.41E-07
4702	494863.09	3860377.25	1.66E-03	1.70E-03	1.60E-03	5.73E-07	1.73E-06	1.00E-06	1.03E-06	9.30E-07	4.24E-07	4.00E-07	1.91E-08	4.62E-07	1.02E-07	1.39E-07	2.21E-07	3.90E-08	2.64E-08	1.01E-06	5.23E-07	2.22E-07	2.61E-07	1.02E-07	5.23E-07	2.22E-07
4703	495363.09	3860377.25	1.46E-03	1.50E-03	1.41E-03	5.06E-07	1.53E-06	8.85E-07	9.06E-07	8.22E-07	3.75E-07	3.54E-07	1.69E-08	4.08E-07	9.01E-08	1.23E-07	1.95E-07	3.44E-08	2.33E-08	8.91E-07	4.62E-07	1.96E-07	2.30E-07	9.05E-08	4.62E-07	1.96E-07
4704	495863.09	3860377.25	1.24E-03	1.27E-03	1.20E-03	4.29E-07	1.30E-06	7.50E-07	7.68E-07	6.96E-07	3.18E-07	3.00E-07	1.43E-08	3.46E-07	7.64E-08	1.04E-07	1.65E-07	2.92E-08	1.98E-08	7.56E-07	3.91E-07	1.66E-07	1.95E-07	7.67E-08	3.91E-07	1.66E-07
4705	496363.09	3860377.25	1.08E-03	1.11E-03	1.04E-03	3.74E-07	1.13E-06	6.54E-07	6.70E-07	6.07E-07	2.77E-07	2.61E-07	1.25E-08	3.02E-07	6.66E-08	9.09E-08	1.44E-07	2.54E-08	1.72E-08	6.58E-07	3.41E-07	1.45E-07	1.70E-07	6.69E-08	3.41E-07	1.45E-07
4706	496863.09	3860377.25	9.77E-04	1.00E-03	9.44E-04	3.38E-07	1.02E-06	5.91E-07	6.05E-07	5.49E-07	2.50E-07	2.36E-07	1.13E-08	2.73E-07	6.02E-08	8.22E-08	1.30E-07	2.30E-08	1.56E-08	5.95E-07	3.08E-07	1.31E-07	1.54E-07	6.05E-08	3.08E-07	1.31E-07
4707	497363.09	3860377.25	8.71E-04	8.92E-04	8.41E-04	3.01E-07	9.10E-07	5.27E-07	5.40E-07	4.89E-07	2.23E-07	2.11E-07	1.01E-08	2.43E-07	5.37E-08	7.33E-08	1.16E-07	2.05E-08	1.39E-08	5.31E-07	2.75E-07	1.17E-07	1.37E-07	5.39E-08	2.75E-07	1.17E-07
4708	497863.09	3860377.25	9.24E-04	9.46E-04	8.93E-04	3.20E-07	9.66E-07	5.59E-07	5.73E-07	5.19E-07	2.37E-07	2.23E-07	1.07E-08	2.58E-07	5.69E-08	7.77E-08	1.23E-07	2.17E-08	1.47E-08	5.63E-07	2.92E-07	1.24E-07	1.46E-07	5.72E-08	2.92E-07	1.24E-07
4709	498363.09	3860377.25	9.86E-04	1.01E-03	9.52E-04	3.41E-07	1.03E-06	5.97E-07	6.11E-07	5.54E-07	2.53E-07	2.38E-07	1.14E-08	2.75E-07	6.07E-08	8.30E-08	1.32E-07	2.32E-08	1.57E-08	6.01E-07	3.11E-07	1.32E-07	1.55E-07	6.10E-08	3.11E-07	1.32E-07
4710	471363.09	3860877.25	1.58E-04	1.62E-04	1.53E-04	5.47E-08	1.65E-07	9.56E-08	9.79E-08	8.87E-08	4.05E-08	3.82E-08	1.83E-09	4.41E-08	9.73E-09	1.33E-08	2.11E-08	3.71E-09	2.52E-09	9.62E-08	4.98E-08	2.11E-08	2.49E-08	9.77E-09	4.98E-08	2.11E-08
4711	471863.09	3860877.25	1.61E-04	1.65E-04	1.55E-04	5.57E-08	1.68E-07	9.73E-08	9.97E-08	9.04E-08	4.12E-08	3.89E-08	1.86E-09	4.49E-08	9.91E-09	1.35E-08	2.15E-08	3.78E-09	2.57E-09	9.80E-08	5.08E-08	2.15E-08	2.53E-08	9.96E-09	5.08E-08	2.15E-08
4712	472363.09	3860877.25	1.65E-04	1.69E-04	1.60E-04	5.72E-08	1.73E-07	1.00E-07	1.02E-07	9.29E-08	4.24E-08	4.00E-08	1.91E-09	4.62E-08	1.02E-08	1.39E-08	2.21E-08	3.89E-09	2.64E-09	1.01E-07	5.22E-08	2.21E-08	2.60E-08	1.02E-08	5.22E-08	2.21E-08
4713	472863.09	3860877.25	1.68E-04	1.72E-04	1.63E-04	5.82E-08	1.76E-07	1.02E-07	1.04E-07	9.45E-08	4.31E-08	4.07E-08	1.94E-09	4.70E-08	1.04E-08	1.42E-08	2.25E-08	3.96E-09	2.68E-09	1.03E-07	5.31E-08	2.25E-08	2.65E-08	1.04E-08	5.31E-08	2.25E-08
4714	473363.09	3860877.25	1.73E-04	1.77E-04	1.67E-04	5.98E-08	1.80E-07	1.04E-07	1.07E-07	9.70E-08	4.43E-08	4.18E-08	2.00E-09	4.82E-08	1.06E-08	1.45E-08	2.30E-08	4.06E-09	2.75E-09	1.05E-07	5.45E-08	2.31E-08	2.72E-08	1.07E-08	5.45E-08	2.31E-08
4715	473863.09	3860877.25	1.76E-04	1.80E-04	1.70E-04	6.08E-08	1.84E-07	1.06E-07	1.09E-07	9.87E-08	4.50E-08	4.25E-08	2.03E-09	4.90E-08	1.08E-08	1.48E-08	2.34E-08	4.13E-09	2.80E-09	1.07E-07	5.54E-08	2.35E-08	2.77E-08	1.09E-08	5.54E-08	2.35E-08
4716	474363.09	3860877.25	1.79E-04	1.83E-04	1.73E-04	6.18E-08	1.87E-07	1.08E-07	1.11E-07	1.00E-07	4.58E-08	4.32E-08	2.06E-09	4.99E-08	1.10E-08	1.50E-08	2.38E-08	4.20E-09	2.85E-09	1.09E-07	5.64E-08	2.39E-08	2.81E-08	1.11E-08	5.64E-08	2.39E-08
4717	474863.09	3860877.25	1.82E-04	1.86E-04	1.75E-04	6.28E-08	1.90E-07	1.10E-07	1.13E-07	1.02E-07	4.65E-08	4.39E-08	2.10E-09	5.07E-08	1.12E-08	1.53E-08	2.42E-08	4.27E-09	2.90E-09	1.11E-07	5.73E-08	2.43E-08	2.86E-08	1.12E-08	5.73E-08	2.43E-08
4718	475363.09	3860877.25	1.80E-04	1.84E-04	1.74E-04	6.23E-08	1.88E-07	1.09E-07	1.12E-07	1.01E-07	4.62E-08	4.35E-08	2.08E-09	5.03E-08	1.11E-08	1.52E-08	2.40E-08	4.24E-09	2.87E-09	1.10E-07	5.68E-08	2.41E-08	2.84E-08	1.11E-08	5.68E-08	2.41E-08
4719	475863.09	3860877.25	1.76E-04	1.80E-04	1.70E-04	6.08E-08	1.84E-07	1.06E-07	1.09E-07	9.87E-08	4.50E-08	4.25E-08	2.03E-09	4.90E-08	1.08E-08	1.48E-08	2.34E-08	4.13E-09	2.80E-09	1.07E-07	5.54E-08	2.35E-08	2.77E-08	1.09E-08	5.54E-08	2.35E-08
4720	476363.09	3860877.25	1.67E-04	1.71E-04	1.61E-04	5.77E-08	1.74E-07	1.01E-07	1.03E-07	9.37E-08	4.28E-08	4.03E-08	1.93E-09	4.66E-08	1.03E-08	1.40E-08	2.23E-08	3.92E-09	2.66E-09	1.02E-07	5.26E-08	2.23E-08	2.63E-08	1.03E-08	5.26E-08	2.23E-08
4721	476863.09	3860877.25	1.64E-04	1.68E-04	1.58E-04	5.67E-08	1.71E-07	9.91E-08	1.02E-07	9.20E-08	4.20E-08	3.96E-08	1.89E-09	4.57E-08	1.01E-08	1.38E-08	2.19E-08	3.85E-09	2.61E-09	9.98E-08	5.17E-08	2.19E-08	2.58E-08	1.01E-08	5.17E-08	2.19E-08
4722	477363.09	3860877.25	1.65E-04	1.69E-04	1.60E-04	5.72E-08	1.73E-07	1.00E-07	1.02E-07	9.29E-08	4.24E-08	4.00E-08	1.91E-09	4.62E-08	1.02E-08	1.39E-08	2.21E-08	3.89E-09	2.64E-09	1.01E-07	5.22E-08	2.21E-08	2.60E-08	1.02E-08	5.22E-08	2.21E-08
4723	477863.09	3860877.25	1.58E-04	1.62E-04	1.53E-04	5.47E-08	1.65E-07	9.56E-08	9.79E-08	8.87E-08	4.05E-08	3.82E-08	1.83E-09	4.41E-08	9.73E-09	1.33E-08	2.11E-08	3.71E-09	2.52E-09	9.62E-08	4.98E-08	2.11E-08	2.49E-08	9.77E-09	4.98E-08	2.11E-08
4724	478363.09	3860877.25	1.39E-04	1.42E-04	1.34E-04	4.80E-08	1.45E-07	8.39E-08	8.60E-08	7.79E-08	3.56E-08	3.35E-08	1.60E-09	3.87E-08	8.55E-09	1.17E-08	1.85E-08	3.26E-09	2.21E-09	8.46E-08	4.38E-08	1.86E-08	2.19E-08	8.59E-09	4.38E-08	1.86E-08
4725	478863.09	3860877.25	1.76E-04	1.80E-04	1.70E-04	6.08E-08	1.84E-07	1.06E-07	1.09E-07	9.87E-08	4.50E-08	4.25E-08	2.03E-09	4.90E-08	1.08E-08	1.48E-08	2.34E-08	4.13E-09	2.80E-09	1.07E-07	5.54E-08	2.35E-08	2.77E-08	1.09E-08	5.54E-08	2.35E-08
4726	479363.09	3860877.25	2.08E-04	2.13E-04	2.01E-04	7.20E-08	2.18E-07	1.26E-07	1.29E-07	1.17E-07	5.33E-08	5.03E-08	2.41E-09	5.81E-08	1.28E-08	1.75E-08	2.78E-08	4.90E-09	3.32E-09	1.27E-07	6.57E-08	2.79E-08	3.28E-08	1.29E-08	6.57E-08	2.79E-08
4727	479863.09	3860877.25	2.32E-04	2.37E-04	2.24E-04	8.02E-08	2.42E-07	1.40E-07	1.44E-07	1.30E-07	5.94E-08	5.60E-08	2.68E-09	6.47E-08	1.43E-08	1.95E-08	3.09E-08	5.45E-09	3.70E-09	1.41E-07	7.31E-08	3.10E-08	3.65E-08	1.43E-08	7.31E-08	3.10E-08
4728	480363.09	3860877.25	2.51E-04	2.57E-04	2.42E-04	8.69E-08	2.62E-07	1.52E-07	1.55E-07	1.41E-07	6.43E-08	6.07E-08	2.90E-09	7.01E-08	1.55E-08	2.11E-08	3.35E-08	5.90E-09	4.00E-09	1.53E-07	7.92E-08	3.36E-08	3.95E-08	1.55E-08	7.92E-08	3.36E-08
4729	480863.09	3860877.25	2.63E-04	2.69E-04	2.54E-04	9.09E-08	2.75E-07	1.59E-07	1.63E-07	1.48E-07	6.73E-08	6.35E-08	3.04E-09	7.34E-08	1.62E-08	2.21E-08	3.51E-08	6.18E-09	4.19E-09	1.60E-07	8.29E-08	3.52E-08	4.14E-08	1.63E-08	8.29E-08	3.52E-08
4730	481363.09	3860877.25	2.75E-04	2.81E-04	2.65E-04	9.50E-08	2.87E-07	1.66E-07	1.70E-07	1.54E-07	7.04E-08	6.64E-08	3.17E-09	7.66E-08	1.69E-08	2.31E-08	3.66E-08	6.46E-09	4.38E-09	1.67E-07	8.66E-08	3.68E-08	4.32E-08	1.70E-08	8.66E-08	3.68E-08
4731	481863.09	3860877.25	2.88E-04	2.95E-04	2.78E-04	9.96E-08	3.01E-07	1.74E-07	1.78E-07	1.62E-07	7.38E-08	6.96E-08	3.33E-09	8.04E-08	1.77E-08	2.42E-08	3.84E-08	6.77E-09	4.59E-09	1.75E-07	9.08E-08	3.85E-08	4.53E-08	1.78E-08	9.08E-08	3.85E-08
4732	482363.09	3860877.25	3.01E-04	3.08E-04	2.91E-04	1.04E-07	3.15E-07	1.82E-07	1.87E-07	1.69E-07	7.72E-08	7.28E-08	3.48E-09	8.41E-08	1.86E-08	2.53E-08	4.02E-08	7.08E-09	4.80E-09	1.84E-07	9.50E-08	4.03E-08	4.74E-08	1.86E-08	9.50E-08	4.03E-08
4733	482863.09	3860877.25	3.11E-04	3.19E-04	3.01E-04	1.08E-07	3.25E-07	1.88E-07	1.93E-07	1.75E-07	7.98E-08	7.53E-08	3.60E-09	8.70E-08	1.92E-08	2.62E-08	4.16E-08	7.33E-09	4.97E-09	1.90E-07	9.83E-08	4.17E-08	4.91E-08	1.93E-08	9.83E-08	4.17E-08
4734	483363.09	3860877.25	3.26E-04	3.34E-04	3.15E-04	1.13E-07	3.41E-07	1.97E-07	2.02E-07	1.83E-07	8.36E-08	7.89E-08	3.77E-09	9.11E-08	2.01E-08	2.74E-08	4.35E-08	7.67E-09	5.20E-09	1.99E-07	1.03E-07	4.37E-08	5.14E-08	2.02E-08	1.03E-07	4.37E-08
4735	483863.09	3860877.25	3.42E-04	3.51E-04	3.31E-04	1.19E-07	3.58E-07	2.07E-07	2.12E-07	1.92E-07	8.78E-08	8.28E-08	3.96E-09	9.56E-08	2.11E-08	2.88E-08	4.57E-08	8.05E-09	5.46E-09	2.09E-07	1.08E-07	4.59E-08	5.39E-08	2.12E-08	1.08E-07	4.59E-08
4736	484363.09	3860877.25	3.62E-04	3.70E-04	3.49E-04	1.25E-07	3.78E-07	2.19E-07	2.24E-07	2.03E-07	9.27E-08	8.74E-08	4.18E-09	1.01E-07	2.23E-08	3.04E-08	4.83E-08	8.51E-09	5.77E-09	2.20E-07	1.14E-07	4.84E-08	5.70E-08	2.24E-08	1.14E-07	4.84E-08
4737	484863.09	3860877.25	3.76E-04	3.85E-04	3.64E-04	1.30E-07	3.93E-07	2.28E-07	2.33E-07	2.11E-07	9.65E-08	9.10E-08	4.35E-09	1.05E-07	2.32E-08	3.17E-08	5.02E-08	8.85E-09	6.00E-09	2.29E-07	1.19E-07	5.04E-08	5.93E-08	2.33E-08	1.19E-07	5.04E-08
4738	485363.09	3860877.25	3.94E-04	4.04E-04	3.81E-04	1.36E-07	4.12E-07	2.38E-07	2.44E-07	2.21E-07	1.01E-07	9.53E-08	4.56E-09	1.10E-07	2.43E-08	3.32E-08	5.26E-08	9.27E-09	6.28E-09	2.40E-07	1.24E-07	5.28E-08	6.21E-08	2.44E-08	1.24E-07	5.28E-08
4739	485863.09	3860877.25	4.21E-04	4.31E-04	4.06E-04	1.46E-07	4.40E-07	2.55E-07	2.61E-07	2.36E-07	1.08E-07	1.02E-07	4.86E-09	1.17E-07	2.59E-08	3.54E-08	5.61E-08	9.89E-09	6.71E-09	2.56E-07	1.33E-07	5.63E-08	6.63E-08	2.60E-08	1.33E-07	5.63E-08
4740	486363.09	3860877.25	4.50E-04	4.61E-04	4.35E-04	1.56E-07	4.70E-07	2.72E-07	2.79E-07	2.53E-07	1.15E-07	1.09E-07	5.20E-09	1.26E-07	2.77E-08	3.79E-08	6.01E-08	1.06E-08	7.18E-09	2.74E-07	1.42E-07	6.03E-08	7.09E-08	2.79E-08	1.42E-07	6.03E-08
4741	486863.09	3860877.25	4.86E-04	4.97E-04	4.69E-04	1.68E-07	5.08E-07	2.94E-07	3.01E-07	2.73E-07	1.24E-07	1.17E-07	5.61E-09	1.36E-07	2.99E-08	4.09E-08	6.48E-08	1.14E-08	7.74E-09	2.96E-07	1.53E-07	6.50E-08	7.65E-08	3.01E-08	1.53E-07	6.50E-08
4742	487363.09	3860877.25	5.22E-04	5.35E-04	5.05E-04	1.81E-07	5.46E-07	3.16E-07	3.24E-07	2.94E-07	1.34E-07	1.26E-07	6.04E-09	1.46E-07	3.22E-08	4.40E-08	6.97E-08	1.23E-08	8.33E-09	3.18E-07	1.65E-07	7.00E-08	8.23E-08	3.23E-08	1.65E-07	7.00E-08
4743	487863.09	3860877.25	5.68E-04	5.82E-04	5.49E-04	1.97E-07	5.94E-07	3.44E-07	3.52E-07	3.19E-07	1.46E-07	1.37E-07	6.57E-09	1.59E-07	3.50E-08	4.78E-08	7.58E-08	1.34E-08	9.06E-09	3.46E-07	1.79E-07	7.61E-08	8.95E-08	3.52E-08	1.79E-07	7.61E-08
4744	488363.09	3860877.25	6.26E-04	6.41E-04	6.05E-04	2.17E-07	6.54E-07	3.79E-07	3.88E-07	3.52E-07	1.60E-07	1.51E-07	7.23E-09	1.75E-07	3.86E-08	5.27E-08	8.35E-08	1.47E-08	9.98E-09	3.81E-07	1.98E-07	8.38E-08	9.86E-08	3.87E-08	1.98E-07	8.38E-08
4745	488863.09	3860877.25	6.82E-04	6.98E-04	6.59E-04	2.36E-07	7.13E-07	4.13E-07	4.23E-07	3.83E-07	1.75E-07	1.65E-07	7.88E-09	1.90E-07	4.20E-08	5.74E-08	9.10E-08	1.60E-08	1.09E-08	4.16E-07	2.15E-07	9.13E-08	1.07E-07	4.22E-08	2.15E-07	9.13E-08
4746	489363.09	3860877.25	7.62E-04	7.80E-04	7.36E-04	2.64E-07	7.96E-07	4.61E-07	4.72E-07	4.28E-07	1.95E-07	1.84E-07	8.80E-09	2.13E-07	4.69E-08	6.41E-08	1.02E-07	1.79E-08	1.21E-08	4.64E-07	2.40E-07	1.02E-07	1.20E-07	4.71E-08	2.40E-07	1.02E-07
4747	489863.09	3860877.25	8.75E-04	8.96E-04	8.46E-04	3.03E-07	9.15E-07	5.30E-07	5.42E-07	4.92E-07	2.24E-07	2.12E-07	1.01E-08	2.44E-07	5.39E-08	7.36E-08	1.17E-07	2.06E-08	1.40E-08	5.33E-07	2.76E-07	1.17E-07	1.38E-07	5.42E-08	2.76E-07	1.17E-07
4748	490363.09	3860877.25	1.06E-03	1.08E-03	1.02E-03	3.65E-07	1.10E-06	6.38E-07	6.54E-07	5.93E-07	2.70E-07	2.55E-07	1.22E-08	2.95E-07	6.50E-08	8.88E-08	1.41E-07	2.48E-08	1.68E-08	6.43E-07	3.33E-07	1.41E-07	1.66E-07	6.53E-08	3.33E-07	1.41E-07
4749	490863.09	3860877.25	1.35E-03	1.39E-03	1.31E-03	4.68E-07	1.41E-06	8.19E-07	8.39E-07	7.60E-07	3.47E-07	3.27E-07	1.56E-08	3.78E-07	8.34E-08	1.14E-07	1.81E-07	3.18E-08	2.16E-08	8.25E-07	4.27E-07	1.81E-07	2.13E-07	8.38E-08	4.27E-07	1.81E-07
4750	491363.09	3860877.25	1.95E-03	2.00E-03	1.88E-03	6.74E-07	2.04E-06	1.18E-06	1.21E-06	1.09E-06	4.99E-07	4.71E-07	2.25E-08	5.44E-07	1.20E-07	1.64E-07	2.60E-07	4.58E-08	3.11E-08	1.19E-06	6.15E-07	2.61E-07	3.07E-07	1.21E-07	6.15E-07	2.61E-07
4751	491863.09	3860877.25	4.24E-03	4.34E-03	4.10E-03	1.47E-06	4.43E-06	2.57E-06	2.63E-06	2.38E-06	1.09E-06	1.03E-06	4.90E-08	1.18E-06	2.61E-07	3.57E-07	5.66E-07	9.98E-08	6.76E-08	2.59E-06	1.34E-06	5.68E-07	6.68E-07	2.63E-07	1.34E-06	5.68E-07
4752	492363.09	3860877.25	2.27E-02	2.33E-02	2.19E-02	7.86E-06	2.37E-05	1.37E-05	1.41E-05	1.28E-05	5.82E-06	5.49E-06	2.63E-07	6.34E-06	1.40E-06	1.91E-06	3.03E-06	5.34E-07	3.62E-07	1.38E-05	7.17E-06	3.04E-06	3.58E-06	1.41E-06	7.17E-06	3.04E-06
4753	492863.09	3860877.25	6.68E-03	6.84E-03	6.46E-03	2.31E-06	6.98E-06	4.04E-06	4.14E-06	3.75E-06	1.71E-06	1.62E-06	7.72E-08	1.87E-06	4.12E-07	5.62E-07	8.92E-07	1.57E-07	1.07E-07	4.07E-06	2.11E-06	8.95E-07	1.05E-06	4.14E-07	2.11E-06	8.95E-07
4754	493363.09	3860877.25	4.22E-03	4.32E-03	4.07E-03	1.46E-06	4.41E-06	2.55E-06	2.61E-06	2.37E-06	1.08E-06	1.02E-06	4.87E-08	1.18E-06	2.60E-07	3.55E-07	5.63E-07	9.92E-08	6.72E-08	2.57E-06	1.33E-06	5.64E-07	6.64E-07	2.61E-07	1.33E-06	5.64E-07
4755	493863.09	3860877.25	3.30E-03	3.38E-03	3.18E-03	1.14E-06	3.44E-06	1.99E-06	2.04E-06	1.85E-06	8.45E-07	7.97E-07	3.81E-08	9.20E-07	2.03E-07	2.77E-07	4.40E-07	7.75E-08	5.26E-08	2.01E-06	1.04E-06	4.41E-07	5.19E-07	2.04E-07	1.04E-06	4.41E-07
4756	494363.09	3860877.25	2.77E-03	2.84E-03	2.68E-03	9.60E-07	2.90E-06	1.68E-06	1.72E-06	1.56E-06	7.11E-07	6.71E-07	3.21E-08	7.75E-07	1.71E-07	2.33E-07	3.70E-07	6.53E-08	4.43E-08	1.69E-06	8.76E-07	3.72E-07	4.37E-07	1.72E-07	8.76E-07	3.72E-07
4757	494863.09	3860877.25	2.38E-03	2.44E-03	2.30E-03	8.23E-07	2.49E-06	1.44E-06	1.47E-06	1.34E-06	6.09E-07	5.75E-07	2.75E-08	6.64E-07	1.46E-07	2.00E-07	3.17E-07	5.59E-08	3.79E-08	1.45E-06	7.50E-07	3.18E-07	3.75E-07	1.47E-07	7.50E-07	3.18E-07
4758	495363.09	3860877.25	2.08E-03	2.13E-03	2.01E-03	7.19E-07	2.17E-06	1.26E-06	1.29E-06	1.17E-06	5.33E-07	5.02E-07	2.40E-08	5.80E-07	1.28E-07	1.75E-07	2.77E-07	4.89E-08	3.31E-08	1.27E-06	6.56E-07	2.78E-07	3.27E-07	1.29E-07	6.56E-07	2.78E-07
4759	495863.09	3860877.25	1.88E-03	1.93E-03	1.82E-03	6.52E-07	1.97E-06	1.14E-06	1.17E-06	1.06E-06	4.83E-07	4.55E-07	2.18E-08	5.26E-07	1.16E-07	1.58E-07	2.51E-07	4.43E-08	3.00E-08	1.15E-06	5.94E-07	2.52E-07	2.97E-07	1.17E-07	5.94E-07	2.52E-07
4760	496363.09	3860877.25	1.61E-03	1.65E-03	1.56E-03	5.58E-07	1.68E-06	9.75E-07	9.99E-07	9.05E-07	4.13E-07	3.90E-07	1.86E-08	4.50E-07	9.93E-08	1.36E-07	2.15E-07	3.79E-08	2.57E-08	9.82E-07	5.09E-07	2.16E-07	2.54E-07	9.97E-08	5.09E-07	2.16E-07
4761	496863.09	3860877.25	1.31E-03	1.35E-03	1.27E-03	4.55E-07	1.37E-06	7.95E-07	8.14E-07	7.38E-07	3.37E-07	3.18E-07	1.52E-08	3.67E-07	8.09E-08	1.11E-07	1.75E-07	3.09E-08	2.09E-08	8.01E-07	4.15E-07	1.76E-07	2.07E-07	8.13E-08	4.15E-07	1.76E-07
4762	497363.09	3860877.25	1.23E-03	1.26E-03	1.19E-03	4.27E-07	1.29E-06	7.46E-07	7.64E-07	6.92E-07	3.16E-07	2.98E-07	1.42E-08	3.44E-07	7.59E-08	1.04E-07	1.64E-07	2.90E-08	1.97E-08	7.51E-07	3.89E-07	1.65E-07	1.94E-07	7.63E-08	3.89E-07	1.65E-07
4763	497863.09	3860877.25	1.13E-03	1.16E-03	1.09E-03	3.91E-07	1.18E-06	6.83E-07	7.00E-07	6.34E-07	2.89E-07	2.73E-07	1.31E-08	3.15E-07	6.96E-08	9.50E-08	1.51E-07	2.66E-08	1.80E-08	6.88E-07	3.56E-07	1.51E-07	1.78E-07	6.99E-08	3.56E-07	1.51E-07
4764	498363.09	3860877.25	1.14E-03	1.17E-03	1.10E-03	3.95E-07	1.19E-06	6.90E-07	7.07E-07	6.41E-07	2.92E-07	2.76E-07	1.32E-08	3.19E-07	7.03E-08	9.60E-08	1.52E-07	2.68E-08	1.82E-08	6.95E-07	3.60E-07	1.53E-07	1.80E-07	7.06E-08	3.60E-07	1.53E-07
4765	471363.09	3861377.25	1.55E-04	1.59E-04	1.50E-04	5.36E-08	1.62E-07	9.38E-08	9.60E-08	8.71E-08	3.97E-08	3.75E-08	1.79E-09	4.33E-08	9.55E-09	1.30E-08	2.07E-08	3.65E-09	2.47E-09	9.44E-08	4.89E-08	2.08E-08	2.44E-08	9.59E-09	4.89E-08	2.08E-08
4766	471863.09	3861377.25	1.58E-04	1.62E-04	1.53E-04	5.47E-08	1.65E-07	9.56E-08	9.79E-08	8.87E-08	4.05E-08	3.82E-08	1.83E-09	4.41E-08	9.73E-09	1.33E-08	2.11E-08	3.71E-09	2.52E-09	9.62E-08	4.98E-08	2.11E-08	2.49E-08	9.77E-09	4.98E-08	2.11E-08
4767	472363.09	3861377.25	1.61E-04	1.65E-04	1.55E-04	5.57E-08	1.68E-07	9.73E-08	9.97E-08	9.04E-08	4.12E-08	3.89E-08	1.86E-09	4.49E-08	9.91E-09	1.35E-08	2.15E-08	3.78E-09	2.57E-09	9.80E-08	5.08E-08	2.15E-08	2.53E-08	9.96E-09	5.08E-08	2.15E-08

4768	472863.09	3861377.25	1.65E-04	1.69E-04	1.60E-04	5.72E-08	1.73E-07	1.00E-07	1.02E-07	9.29E-08	4.24E-08	4.00E-08	1.91E-09	4.62E-08	1.02E-08	1.39E-08	2.21E-08	3.89E-09	2.64E-09	1.01E-07	5.22E-08	2.21E-08	2.60E-08	1.02E-08	5.22E-08	2.21E-08
4769	473363.09	3861377.25	1.68E-04	1.72E-04	1.63E-04	5.82E-08	1.76E-07	1.02E-07	1.04E-07	9.45E-08	4.31E-08	4.07E-08	1.94E-09	4.70E-08	1.04E-08	1.42E-08	2.25E-08	3.96E-09	2.68E-09	1.03E-07	5.31E-08	2.25E-08	2.65E-08	1.04E-08	5.31E-08	2.25E-08
4770	473863.09	3861377.25	1.71E-04	1.75E-04	1.65E-04	5.93E-08	1.79E-07	1.04E-07	1.06E-07	9.62E-08	4.39E-08	4.14E-08	1.98E-09	4.78E-08	1.05E-08	1.44E-08	2.29E-08	4.03E-09	2.73E-09	1.04E-07	5.40E-08	2.29E-08	2.70E-08	1.06E-08	5.40E-08	2.29E-08
4771	474363.09	3861377.25	1.74E-04	1.78E-04	1.68E-04	6.03E-08	1.82E-07	1.05E-07	1.08E-07	9.78E-08	4.46E-08	4.21E-08	2.01E-09	4.86E-08	1.07E-08	1.47E-08	2.32E-08	4.10E-09	2.78E-09	1.06E-07	5.50E-08	2.33E-08	2.74E-08	1.08E-08	5.50E-08	2.33E-08
4772	474863.09	3861377.25	1.77E-04	1.81E-04	1.71E-04	6.13E-08	1.85E-07	1.07E-07	1.10E-07	9.95E-08	4.54E-08	4.28E-08	2.05E-09	4.95E-08	1.09E-08	1.49E-08	2.36E-08	4.17E-09	2.82E-09	1.08E-07	5.59E-08	2.37E-08	2.79E-08	1.10E-08	5.59E-08	2.37E-08
4773	475363.09	3861377.25	1.82E-04	1.86E-04	1.75E-04	6.28E-08	1.90E-07	1.10E-07	1.13E-07	1.02E-07	4.65E-08	4.39E-08	2.10E-09	5.07E-08	1.12E-08	1.53E-08	2.42E-08	4.27E-09	2.90E-09	1.11E-07	5.73E-08	2.43E-08	2.86E-08	1.12E-08	5.73E-08	2.43E-08
4774	475863.09	3861377.25	1.83E-04	1.87E-04	1.77E-04	6.34E-08	1.91E-07	1.11E-07	1.13E-07	1.03E-07	4.69E-08	4.42E-08	2.12E-09	5.11E-08	1.13E-08	1.54E-08	2.44E-08	4.31E-09	2.92E-09	1.12E-07	5.78E-08	2.45E-08	2.88E-08	1.13E-08	5.78E-08	2.45E-08
4775	476363.09	3861377.25	1.82E-04	1.86E-04	1.75E-04	6.28E-08	1.90E-07	1.10E-07	1.13E-07	1.02E-07	4.65E-08	4.39E-08	2.10E-09	5.07E-08	1.12E-08	1.53E-08	2.42E-08	4.27E-09	2.90E-09	1.11E-07	5.73E-08	2.43E-08	2.86E-08	1.12E-08	5.73E-08	2.43E-08
4776	476863.09	3861377.25	1.80E-04	1.84E-04	1.74E-04	6.23E-08	1.88E-07	1.09E-07	1.12E-07	1.01E-07	4.62E-08	4.35E-08	2.08E-09	5.03E-08	1.11E-08	1.52E-08	2.40E-08	4.24E-09	2.87E-09	1.10E-07	5.68E-08	2.41E-08	2.84E-08	1.11E-08	5.68E-08	2.41E-08
4777	477363.09	3861377.25	1.80E-04	1.84E-04	1.74E-04	6.23E-08	1.88E-07	1.09E-07	1.12E-07	1.01E-07	4.62E-08	4.35E-08	2.08E-09	5.03E-08	1.11E-08	1.52E-08	2.40E-08	4.24E-09	2.87E-09	1.10E-07	5.68E-08	2.41E-08	2.84E-08	1.11E-08	5.68E-08	2.41E-08
4778	477863.09	3861377.25	1.67E-04	1.71E-04	1.61E-04	5.77E-08	1.74E-07	1.01E-07	1.03E-07	9.37E-08	4.28E-08	4.03E-08	1.93E-09	4.66E-08	1.03E-08	1.40E-08	2.23E-08	3.92E-09	2.66E-09	1.02E-07	5.26E-08	2.23E-08	2.63E-08	1.03E-08	5.26E-08	2.23E-08
4779	478363.09	3861377.25	1.40E-04	1.44E-04	1.35E-04	4.85E-08	1.47E-07	8.48E-08	8.69E-08	7.88E-08	3.59E-08	3.39E-08	1.62E-09	3.91E-08	8.64E-09	1.18E-08	1.87E-08	3.30E-09	2.24E-09	8.55E-08	4.43E-08	1.88E-08	2.21E-08	8.68E-09	4.43E-08	1.88E-08
4780	478863.09	3861377.25	1.51E-04	1.54E-04	1.45E-04	5.21E-08	1.57E-07	9.11E-08	9.33E-08	8.46E-08	3.86E-08	3.64E-08	1.74E-09	4.20E-08	9.28E-09	1.27E-08	2.01E-08	3.54E-09	2.40E-09	9.18E-08	4.75E-08	2.02E-08	2.37E-08	9.32E-09	4.75E-08	2.02E-08
4781	479363.09	3861377.25	1.93E-04	1.98E-04	1.87E-04	6.69E-08	2.02E-07	1.17E-07	1.20E-07	1.09E-07	4.96E-08	4.67E-08	2.23E-09	5.40E-08	1.19E-08	1.63E-08	2.58E-08	4.55E-09	3.08E-09	1.18E-07	6.10E-08	2.59E-08	3.05E-08	1.20E-08	6.10E-08	2.59E-08
4782	479863.09	3861377.25	2.18E-04	2.24E-04	2.11E-04	7.56E-08	2.28E-07	1.32E-07	1.35E-07	1.23E-07	5.60E-08	5.28E-08	2.52E-09	6.10E-08	1.35E-08	1.84E-08	2.92E-08	5.14E-09	3.48E-09	1.33E-07	6.89E-08	2.93E-08	3.44E-08	1.35E-08	6.89E-08	2.93E-08
4783	480363.09	3861377.25	2.38E-04	2.43E-04	2.30E-04	8.23E-08	2.48E-07	1.44E-07	1.47E-07	1.33E-07	6.09E-08	5.75E-08	2.75E-09	6.63E-08	1.46E-08	2.00E-08	3.17E-08	5.59E-09	3.79E-09	1.45E-07	7.50E-08	3.18E-08	3.74E-08	1.47E-08	7.50E-08	3.18E-08
4784	480863.09	3861377.25	2.49E-04	2.55E-04	2.41E-04	8.63E-08	2.61E-07	1.51E-07	1.55E-07	1.40E-07	6.39E-08	6.03E-08	2.88E-09	6.96E-08	1.54E-08	2.10E-08	3.33E-08	5.87E-09	3.98E-09	1.52E-07	7.87E-08	3.34E-08	3.93E-08	1.54E-08	7.87E-08	3.34E-08
4785	481363.09	3861377.25	2.60E-04	2.66E-04	2.51E-04	8.99E-08	2.71E-07	1.57E-07	1.61E-07	1.46E-07	6.66E-08	6.28E-08	3.00E-09	7.25E-08	1.60E-08	2.19E-08	3.47E-08	6.11E-09	4.14E-09	1.58E-07	8.20E-08	3.48E-08	4.09E-08	1.61E-08	8.20E-08	3.48E-08
4786	481863.09	3861377.25	2.72E-04	2.78E-04	2.62E-04	9.40E-08	2.84E-07	1.64E-07	1.68E-07	1.53E-07	6.96E-08	6.57E-08	3.14E-09	7.58E-08	1.67E-08	2.28E-08	3.62E-08	6.39E-09	4.33E-09	1.66E-07	8.57E-08	3.64E-08	4.28E-08	1.68E-08	8.57E-08	3.64E-08
4787	482363.09	3861377.25	2.82E-04	2.89E-04	2.72E-04	9.76E-08	2.95E-07	1.71E-07	1.75E-07	1.58E-07	7.23E-08	6.82E-08	3.26E-09	7.87E-08	1.74E-08	2.37E-08	3.76E-08	6.63E-09	4.50E-09	1.72E-07	8.90E-08	3.77E-08	4.44E-08	1.74E-08	8.90E-08	3.77E-08
4788	482863.09	3861377.25	2.89E-04	2.96E-04	2.79E-04	1.00E-07	3.02E-07	1.75E-07	1.79E-07	1.63E-07	7.42E-08	6.99E-08	3.34E-09	8.08E-08	1.78E-08	2.43E-08	3.86E-08	6.80E-09	4.61E-09	1.76E-07	9.13E-08	3.87E-08	4.56E-08	1.79E-08	9.13E-08	3.87E-08
4789	483363.09	3861377.25	3.01E-04	3.08E-04	2.91E-04	1.04E-07	3.15E-07	1.82E-07	1.87E-07	1.69E-07	7.72E-08	7.28E-08	3.48E-09	8.41E-08	1.86E-08	2.53E-08	4.02E-08	7.08E-09	4.80E-09	1.84E-07	9.50E-08	4.03E-08	4.74E-08	1.86E-08	9.50E-08	4.03E-08
4790	483863.09	3861377.25	3.13E-04	3.20E-04	3.02E-04	1.08E-07	3.27E-07	1.89E-07	1.94E-07	1.76E-07	8.02E-08	7.57E-08	3.62E-09	8.74E-08	1.93E-08	2.63E-08	4.18E-08	7.36E-09	4.99E-09	1.91E-07	9.88E-08	4.19E-08	4.93E-08	1.94E-08	9.88E-08	4.19E-08
4791	484363.09	3861377.25	3.26E-04	3.34E-04	3.15E-04	1.13E-07	3.41E-07	1.97E-07	2.02E-07	1.83E-07	8.36E-08	7.89E-08	3.77E-09	9.11E-08	2.01E-08	2.74E-08	4.35E-08	7.67E-09	5.20E-09	1.99E-07	1.03E-07	4.37E-08	5.14E-08	2.02E-08	1.03E-07	4.37E-08
4792	484863.09	3861377.25	3.39E-04	3.48E-04	3.28E-04	1.18E-07	3.55E-07	2.05E-07	2.10E-07	1.91E-07	8.70E-08	8.21E-08	3.92E-09	9.48E-08	2.09E-08	2.86E-08	4.53E-08	7.99E-09	5.41E-09	2.07E-07	1.07E-07	4.55E-08	5.35E-08	2.10E-08	1.07E-07	4.55E-08
4793	485363.09	3861377.25	3.51E-04	3.60E-04	3.39E-04	1.22E-07	3.67E-07	2.13E-07	2.18E-07	1.97E-07	9.00E-08	8.49E-08	4.06E-09	9.81E-08	2.16E-08	2.96E-08	4.69E-08	8.26E-09	5.60E-09	2.14E-07	1.11E-07	4.70E-08	5.53E-08	2.17E-08	1.11E-07	4.70E-08
4794	485863.09	3861377.25	3.67E-04	3.76E-04	3.55E-04	1.27E-07	3.84E-07	2.22E-07	2.28E-07	2.06E-07	9.42E-08	8.89E-08	4.25E-09	1.03E-07	2.26E-08	3.09E-08	4.91E-08	8.65E-09	5.86E-09	2.24E-07	1.16E-07	4.92E-08	5.79E-08	2.27E-08	1.16E-07	4.92E-08
4795	486363.09	3861377.25	3.91E-04	4.01E-04	3.78E-04	1.35E-07	4.09E-07	2.37E-07	2.42E-07	2.20E-07	1.00E-07	9.46E-08	4.52E-09	1.09E-07	2.41E-08	3.29E-08	5.22E-08	9.20E-09	6.24E-09	2.38E-07	1.23E-07	5.24E-08	6.16E-08	2.42E-08	1.23E-07	5.24E-08
4796	486863.09	3861377.25	4.19E-04	4.29E-04	4.05E-04	1.45E-07	4.38E-07	2.54E-07	2.60E-07	2.35E-07	1.07E-07	1.01E-07	4.85E-09	1.17E-07	2.58E-08	3.53E-08	5.59E-08	9.86E-09	6.68E-09	2.55E-07	1.32E-07	5.61E-08	6.60E-08	2.59E-08	1.32E-07	5.61E-08
4797	487363.09	3861377.25	4.49E-04	4.60E-04	4.33E-04	1.55E-07	4.69E-07	2.71E-07	2.78E-07	2.52E-07	1.15E-07	1.08E-07	5.19E-09	1.25E-07	2.76E-08	3.78E-08	5.99E-08	1.06E-08	7.16E-09	2.73E-07	1.42E-07	6.01E-08	7.07E-08	2.78E-08	1.42E-07	6.01E-08
4798	487863.09	3861377.25	4.81E-04	4.93E-04	4.65E-04	1.67E-07	5.03E-07	2.91E-07	2.98E-07	2.70E-07	1.23E-07	1.16E-07	5.56E-09	1.34E-07	2.96E-08	4.05E-08	6.42E-08	1.13E-08	7.67E-09	2.93E-07	1.52E-07	6.44E-08	7.58E-08	2.98E-08	1.52E-07	6.44E-08
4799	488363.09	3861377.25	5.20E-04	5.32E-04	5.02E-04	1.80E-07	5.43E-07	3.14E-07	3.22E-07	2.92E-07	1.33E-07	1.26E-07	6.01E-09	1.45E-07	3.20E-08	4.37E-08	6.93E-08	1.22E-08	8.29E-09	3.17E-07	1.64E-07	6.96E-08	8.18E-08	3.22E-08	1.64E-07	6.96E-08
4800	488863.09	3861377.25	5.62E-04	5.76E-04	5.43E-04	1.95E-07	5.88E-07	3.40E-07	3.48E-07	3.16E-07	1.44E-07	1.36E-07	6.50E-09	1.57E-07	3.46E-08	4.73E-08	7.51E-08	1.32E-08	8.97E-09	3.43E-07	1.77E-07	7.53E-08	8.86E-08	3.48E-08	1.77E-07	7.53E-08
4801	489363.09	3861377.25	6.08E-04	6.23E-04	5.87E-04	2.10E-07	6.36E-07	3.68E-07	3.77E-07	3.42E-07	1.56E-07	1.47E-07	7.03E-09	1.70E-07	3.75E-08	5.12E-08	8.12E-08	1.43E-08	9.70E-09	3.71E-07	1.92E-07	8.14E-08	9.58E-08	3.76E-08	1.92E-07	8.14E-08
4802	489863.09	3861377.25	6.72E-04	6.88E-04	6.49E-04	2.32E-07	7.02E-07	4.06E-07	4.16E-07	3.77E-07	1.72E-07	1.62E-07	7.76E-09	1.88E-07	4.14E-08	5.65E-08	8.96E-08	1.58E-08	1.07E-08	4.09E-07	2.12E-07	8.99E-08	1.06E-07	4.16E-08	2.12E-07	8.99E-08
4803	490363.09	3861377.25	7.67E-04	7.86E-04	7.41E-04	2.66E-07	8.02E-07	4.64E-07	4.76E-07	4.31E-07	1.97E-07	1.86E-07	8.87E-09	2.14E-07	4.73E-08	6.46E-08	1.02E-07	1.81E-08	1.22E-08	4.68E-07	2.42E-07	1.03E-07	1.21E-07	4.75E-08	2.42E-07	1.03E-07
4804	490863.09	3861377.25	9.08E-04	9.30E-04	8.77E-04	3.14E-07	9.49E-07	5.49E-07	5.63E-07	5.10E-07	2.33E-07	2.19E-07	1.05E-08	2.53E-07	5.59E-08	7.64E-08	1.21E-07	2.14E-08	1.45E-08	5.53E-07	2.86E-07	1.22E-07	1.43E-07	5.62E-08	2.86E-07	1.22E-07
4805	491363.09	3861377.25	1.13E-03	1.15E-03	1.09E-03	3.90E-07	1.18E-06	6.82E-07	6.99E-07	6.33E-07	2.89E-07	2.73E-07	1.30E-08	3.15E-07	6.95E-08	9.49E-08	1.51E-07	2.65E-08	1.80E-08	6.87E-07	3.56E-07	1.51E-07	1.78E-07	6.98E-08	3.56E-07	1.51E-07
4806	491863.09	3861377.25	1.56E-03	1.59E-03	1.50E-03	5.38E-07	1.63E-06	9.41E-07	9.64E-07	8.74E-07	3.99E-07	3.76E-07	1.80E-08	4.34E-07	9.58E-08	1.31E-07	2.08E-07	3.66E-08	2.48E-08	9.48E-07	4.91E-07	2.08E-07	2.45E-07	9.63E-08	4.91E-07	2.08E-07
4807	492363.09	3861377.25	2.74E-03	2.80E-03	2.64E-03	9.47E-07	2.86E-06	1.66E-06	1.70E-06	1.54E-06	7.01E-07	6.62E-07	3.16E-08	7.64E-07	1.69E-07	2.30E-07	3.65E-07	6.44E-08	4.36E-08	1.67E-06	8.64E-07	3.66E-07	4.31E-07	1.69E-07	8.64E-07	3.66E-07
4808	492863.09	3861377.25	9.51E-03	9.74E-03	9.19E-03	3.29E-06	9.94E-06	5.75E-06	5.89E-06	5.34E-06	2.44E-06	2.30E-06	1.10E-07	2.65E-06	5.86E-07	8.00E-07	1.27E-06	2.24E-07	1.52E-07	5.79E-06	3.00E-06	1.27E-06	1.50E-06	5.88E-07	3.00E-06	1.27E-06
4809	493363.09	3861377.25	4.26E-02	4.37E-02	4.12E-02	1.48E-05	4.46E-05	2.58E-05	2.64E-05	2.40E-05	1.09E-05	1.03E-05	4.93E-07	1.19E-05	2.63E-06	3.59E-06	5.69E-06	1.00E-06	6.80E-07	2.60E-05	1.35E-05	5.71E-06	6.72E-06	2.64E-06	1.35E-05	5.71E-06
4810	493863.09	3861377.25	1.27E-02	1.30E-02	1.23E-02	4.40E-06	1.33E-05	7.69E-06	7.88E-06	7.14E-06	3.26E-06	3.07E-06	1.47E-07	3.55E-06	7.83E-07	1.07E-06	1.70E-06	2.99E-07	2.03E-07	7.75E-06	4.01E-06	1.70E-06	2.00E-06	7.87E-07	4.01E-06	1.70E-06
4811	494363.09	3861377.25	7.35E-03	7.53E-03	7.10E-03	2.54E-06	7.68E-06	4.45E-06	4.55E-06	4.13E-06	1.88E-06	1.78E-06	8.49E-08	2.05E-06	4.53E-07	6.18E-07	9.81E-07	1.73E-07	1.17E-07	4.48E-06	2.32E-06	9.84E-07	1.16E-06	4.55E-07	2.32E-06	9.84E-07
4812	494863.09	3861377.25	5.16E-03	5.28E-03	4.98E-03	1.79E-06	5.39E-06	3.12E-06	3.20E-06	2.90E-06	1.32E-06	1.25E-06	5.96E-08	1.44E-06	3.18E-07	4.34E-07	6.89E-07	1.21E-07	8.23E-08	3.14E-06	1.63E-06	6.91E-07	8.13E-07	3.19E-07	1.63E-06	6.91E-07
4813	495363.09	3861377.25	4.03E-03	4.13E-03	3.90E-03	1.40E-06	4.22E-06	2.44E-06	2.50E-06	2.27E-06	1.03E-06	9.75E-07	4.66E-08	1.13E-06	2.49E-07	3.39E-07	5.38E-07	9.49E-08	6.43E-08	2.46E-06	1.27E-06	5.40E-07	6.35E-07	2.50E-07	1.27E-06	5.40E-07
4814	495863.09	3861377.25	3.36E-03	3.44E-03	3.25E-03	1.16E-06	3.52E-06	2.04E-06	2.08E-06	1.89E-06	8.62E-07	8.13E-07	3.89E-08	9.39E-07	2.07E-07	2.83E-07	4.49E-07	7.91E-08	5.36E-08	2.05E-06	1.06E-06	4.50E-07	5.30E-07	2.08E-07	1.06E-06	4.50E-07
4815	496363.09	3861377.25	2.79E-03	2.86E-03	2.69E-03	9.65E-07	2.91E-06	1.69E-06	1.73E-06	1.57E-06	7.15E-07	6.74E-07	3.22E-08	7.78E-07	1.72E-07	2.35E-07	3.72E-07	6.56E-08	4.45E-08	1.70E-06	8.80E-07	3.73E-07	4.39E-07	1.73E-07	8.80E-07	3.73E-07
4816	496863.09	3861377.25	2.18E-03	2.24E-03	2.11E-03	7.56E-07	2.28E-06	1.32E-06	1.35E-06	1.23E-06	5.60E-07	5.28E-07	2.52E-08	6.09E-07	1.34E-07	1.84E-07	2.91E-07	5.13E-08	3.48E-08	1.33E-06	6.89E-07	2.92E-07	3.44E-07	1.35E-07	6.89E-07	2.92E-07
4817	497363.09	3861377.25	1.91E-03	1.96E-03	1.85E-03	6.63E-07	2.00E-06	1.16E-06	1.19E-06	1.08E-06	4.91E-07	4.63E-07	2.21E-08	5.34E-07	1.18E-07	1.61E-07	2.56E-07	4.50E-08	3.05E-08	1.17E-06	6.04E-07	2.56E-07	3.02E-07	1.18E-07	6.04E-07	2.56E-07
4818	497863.09	3861377.25	1.70E-03	1.74E-03	1.64E-03	5.89E-07	1.78E-06	1.03E-06	1.05E-06	9.56E-07	4.36E-07	4.11E-07	1.97E-08	4.75E-07	1.05E-07	1.43E-07	2.27E-07	4.00E-08	2.71E-08	1.04E-06	5.37E-07	2.28E-07	2.68E-07	1.05E-07	5.37E-07	2.28E-07
4819	498363.09	3861377.25	1.52E-03	1.56E-03	1.47E-03	5.27E-07	1.59E-06	9.22E-07	9.44E-07	8.56E-07	3.90E-07	3.68E-07	1.76E-08	4.25E-07	9.38E-08	1.28E-07	2.03E-07	3.58E-08	2.43E-08	9.28E-07	4.81E-07	2.04E-07	2.40E-07	9.43E-08	4.81E-07	2.04E-07
4820	471363.09	3861877.25	1.51E-04	1.54E-04	1.45E-04	5.21E-08	1.57E-07	9.11E-08	9.33E-08	8.46E-08	3.86E-08	3.64E-08	1.74E-09	4.20E-08	9.28E-09	1.27E-08	2.01E-08	3.54E-09	2.40E-09	9.18E-08	4.75E-08	2.02E-08	2.37E-08	9.32E-09	4.75E-08	2.02E-08
4821	471863.09	3861877.25	1.53E-04	1.57E-04	1.48E-04	5.31E-08	1.60E-07	9.29E-08	9.51E-08	8.62E-08	3.93E-08	3.71E-08	1.77E-09	4.29E-08	9.46E-09	1.29E-08	2.05E-08	3.61E-09	2.45E-09	9.36E-08	4.84E-08	2.06E-08	2.42E-08	9.50E-09	4.84E-08	2.06E-08
4822	472363.09	3861877.25	1.56E-04	1.60E-04	1.51E-04	5.42E-08	1.64E-07	9.47E-08	9.70E-08	8.79E-08	4.01E-08	3.78E-08	1.81E-09	4.37E-08	9.64E-09	1.32E-08	2.09E-08	3.68E-09	2.50E-09	9.53E-08	4.94E-08	2.09E-08	2.46E-08	9.68E-09	4.94E-08	2.09E-08
4823	472863.09	3861877.25	1.61E-04	1.65E-04	1.55E-04	5.57E-08	1.68E-07	9.73E-08	9.97E-08	9.04E-08	4.12E-08	3.89E-08	1.86E-09	4.49E-08	9.91E-09	1.35E-08	2.15E-08	3.78E-09	2.57E-09	9.80E-08	5.08E-08	2.15E-08	2.53E-08	9.96E-09	5.08E-08	2.15E-08
4824	473363.09	3861877.25	1.64E-04	1.68E-04	1.58E-04	5.67E-08	1.71E-07	9.91E-08	1.02E-07	9.20E-08	4.20E-08	3.96E-08	1.89E-09	4.57E-08	1.01E-08	1.38E-08	2.19E-08	3.85E-09	2.61E-09	9.98E-08	5.17E-08	2.19E-08	2.58E-08	1.01E-08	5.17E-08	2.19E-08
4825	473863.09	3861877.25	1.67E-04	1.71E-04	1.61E-04	5.77E-08	1.74E-07	1.01E-07	1.03E-07	9.37E-08	4.28E-08	4.03E-08	1.93E-09	4.66E-08	1.03E-08	1.40E-08	2.23E-08	3.92E-09	2.66E-09	1.02E-07	5.26E-08	2.23E-08	2.63E-08	1.03E-08	5.26E-08	2.23E-08
4826	474363.09	3861877.25	1.70E-04	1.74E-04	1.64E-04	5.88E-08	1.77E-07	1.03E-07	1.05E-07	9.53E-08	4.35E-08	4.10E-08	1.96E-09	4.74E-08	1.05E-08	1.43E-08	2.27E-08	3.99E-09	2.71E-09	1.03E-07	5.36E-08	2.27E-08	2.67E-08	1.05E-08	5.36E-08	2.27E-08
4827	474863.09	3861877.25	1.73E-04	1.77E-04	1.67E-04	5.98E-08	1.80E-07	1.04E-07	1.07E-07	9.70E-08	4.43E-08	4.18E-08	2.00E-09	4.82E-08	1.06E-08	1.45E-08	2.30E-08	4.06E-09	2.75E-09	1.05E-07	5.45E-08	2.31E-08	2.72E-08	1.07E-08	5.45E-08	2.31E-08
4828	475363.09	3861877.25	1.76E-04	1.80E-04	1.70E-04	6.08E-08	1.84E-07	1.06E-07	1.09E-07	9.87E-08	4.50E-08	4.25E-08	2.03E-09	4.90E-08	1.08E-08	1.48E-08	2.34E-08	4.13E-09	2.80E-09	1.07E-07	5.54E-08	2.35E-08	2.77E-08	1.09E-08	5.54E-08	2.35E-08
4829	475863.09	3861877.25	1.80E-04	1.84E-04	1.74E-04	6.23E-08	1.88E-07	1.09E-07	1.12E-07	1.01E-07	4.62E-08	4.35E-08	2.08E-09	5.03E-08	1.11E-08	1.52E-08	2.40E-08	4.24E-09	2.87E-09	1.10E-07	5.68E-08	2.41E-08	2.84E-08	1.11E-08	5.68E-08	2.41E-08
4830	476363.09	3861877.25	1.83E-04	1.87E-04	1.77E-04	6.34E-08	1.91E-07	1.11E-07	1.13E-07	1.03E-07	4.69E-08	4.42E-08	2.12E-09	5.11E-08	1.13E-08	1.54E-08	2.44E-08	4.31E-09	2.92E-09	1.12E-07	5.78E-08	2.45E-08	2.88E-08	1.13E-08	5.78E-08	2.45E-08
4831	476863.09	3861877.25	1.84E-04	1.89E-04	1.78E-04	6.39E-08	1.93E-07	1.12E-07	1.14E-07	1.04E-07	4.73E-08	4.46E-08	2.13E-09	5.15E-08	1.14E-08	1.55E-08	2.46E-08	4.34E-09	2.94E-09	1.12E-07	5.82E-08	2.47E-08	2.91E-08	1.14E-08	5.82E-08	2.47E-08
4832	477363.09	3861877.25	1.84E-04	1.89E-04	1.78E-04	6.39E-08	1.93E-07	1.12E-07	1.14E-07	1.04E-07	4.73E-08	4.46E-08	2.13E-09	5.15E-08	1.14E-08	1.55E-08	2.46E-08	4.34E-09	2.94E-09	1.12E-07	5.82E-08	2.47E-08	2.91E-08	1.14E-08	5.82E-08	2.47E-08
4833	477863.09	3861877.25	1.64E-04	1.68E-04	1.58E-04	5.67E-08	1.71E-07	9.91E-08	1.02E-07	9.20E-08	4.20E-08	3.96E-08	1.89E-09	4.57E-08	1.01E-08	1.38E-08	2.19E-08	3.85E-09	2.61E-09	9.98E-08	5.17E-08	2.19E-08	2.58E-08	1.01E-08	5.17E-08	2.19E-08
4834	478363.09	3861877.25	1.30E-04	1.33E-04	1.25E-04	4.50E-08	1.36E-07	7.86E-08	8.05E-08	7.30E-08	3.33E-08	3.14E-08	1.50E-09	3.63E-08	8.00E-09	1.09E-08	1.73E-08	3.06E-09	2.07E-09	7.92E-08	4.10E-08	1.74E-08	2.05E-08	8.04E-09	4.10E-08	1.74E-08
4835	478863.09	3861877.25	1.52E-04	1.56E-04	1.47E-04	5.26E-08	1.59E-07	9.20E-08	9.42E-08	8.54E-08	3.90E-08	3.68E-08	1.76E-09	4.24E-08	9.37E-09	1.28E-08	2.03E-08	3.58E-09	2.42E-09	9.27E-08	4.80E-08	2.04E-08	2.39E-08	9.41E-09	4.80E-08	2.04E-08
4836	479363.09	3861877.25	1.48E-04	1.51E-04	1.43E-04	5.11E-08	1.54E-07	8.93E-08	9.15E-08	8.29E-08	3.78E-08	3.57E-08	1.71E-09	4.12E-08	9.09E-09	1.24E-08	1.97E-08	3.47E-09	2.35E-09	9.00E-08	4.66E-08	1.98E-08	2.33E-08	9.13E-09	4.66E-08	1.98E-08
4837	479863.09	3861877.25	2.08E-04	2.13E-04	2.01E-04	7.20E-08	2.18E-07	1.26E-07	1.29E-07	1.17E-07	5.33E-08	5.03E-08	2.41E-09	5.81E-08	1.28E-08	1.75E-08	2.78E-08	4.90E-09	3.32E-09	1.27E-07	6.57E-08	2.79E-08	3.28E-08	1.29E-08	6.57E-08	2.79E-08
4838	480363.09	3861877.25	2.27E-04	2.33E-04	2.20E-04	7.87E-08	2.38E-07	1.38E-07	1.41E-07	1.28E-07	5.83E-08	5.50E-08	2.63E-09	6.35E-08	1.40E-08	1.91E-08	3.03E-08	5.35E-09	3.62E-09	1.39E-07	7.17E-08	3.04E-08	3.58E-08	1.41E-08	7.17E-08	3.04E-08
4839	480863.09	3861877.25	2.36E-04	2.42E-04	2.28E-04	8.17E-08	2.47E-07	1.43E-07	1.46E-07	1.33E-07	6.05E-08	5.71E-08	2.73E-09	6.59E-08	1.45E-08	1.99E-08	3.15E-08	5.56E-09	3.77E-09	1.44E-07	7.45E-08	3.16E-08	3.72E-08	1.46E-08	7.45E-08	3.16E-08
4840	481363.09	3861877.25	2.45E-04	2.51E-04	2.37E-04	8.48E-08	2.56E-07	1.48E-07	1.52E-07	1.38E-07	6.28E-08	5.92E-08	2.83E-09	6.84E-08	1.51E-08	2.06E-08	3.27E-08	5.76E-09	3.91E-09	1.49E-07	7.73E-08	3.28E-08	3.86E-08	1.52E-08	7.73E-08	3.28E-08
4841	481863.09	3861877.25	2.55E-04	2.62E-04	2.47E-04	8.84E-08	2.67E-07	1.54E-07	1.58E-07	1.43E-07	6.54E-08	6.17E-08	2.95E-09	7.13E-08	1.57E-08	2.15E-08	3.41E-08	6.01E-09	4.07E-09	1.56E-07	8.06E-08	3.42E-08	4.02E-08	1.58E-08	8.06E-08	3.42E-08
4842	482363.09	3861877.25	2.64E-04	2.71E-04	2.55E-04	9.15E-08	2.76E-07	1.60E-07	1.64E-07	1.48E-07	6.77E-08	6.39E-08	3.05E-09	7.38E-08	1.63E-08	2.22E-08	3.53E-08	6.21E-09	4.21E-09	1.61E-07	8.34E-08	3.54E-08	4.16E-08	1.63E-08	8.34E-08	3.54E-08
4843	482863.09	3861877.25	2.70E-04	2.77E-04	2.61E-04	9.35E-08	2.82E-07	1.63E-07	1.67E-07	1.52E-07	6.92E-08	6.53E-08	3.12E-09	7.54E-08	1.66E-08	2.27E-08	3.61E-08	6.35E-09	4.31E-09	1.65E-07	8.52E-08	3.62E-08	4.25E-08	1.67E-08	8.52E-08	3.62E-08
4844	483363.09	3861877.25	2.80E-04	2.87E-04	2.71E-04	9.71E-08	2.93E-07	1.70E-07	1.74E-07	1.58E-07	7.19E-08	6.78E-08	3.24E-09	7.83E-08	1.73E-08	2.36E-08	3.74E-08	6.60E-09	4.47E-09	1.71E-07	8.85E-08	3.76E-08	4.42E-08	1.74E-08	8.85E-08	3.76E-08

4845	483863.09	3861877.25	2.89E-04	2.96E-04	2.79E-04	1.00E-07	3.02E-07	1.75E-07	1.79E-07	1.63E-07	7.42E-08	6.99E-08	3.34E-09	8.08E-08	1.78E-08	2.43E-08	3.86E-08	6.80E-09	4.61E-09	1.76E-07	9.13E-08	3.87E-08	4.56E-08	1.79E-08	9.13E-08	3.87E-08
4846	484363.09	3861877.25	3.01E-04	3.08E-04	2.91E-04	1.04E-07	3.15E-07	1.82E-07	1.87E-07	1.69E-07	7.72E-08	7.28E-08	3.48E-09	8.41E-08	1.86E-08	2.53E-08	4.02E-08	7.08E-09	4.80E-09	1.84E-07	9.50E-08	4.03E-08	4.74E-08	1.86E-08	9.50E-08	4.03E-08
4847	484863.09	3861877.25	3.13E-04	3.20E-04	3.02E-04	1.08E-07	3.27E-07	1.89E-07	1.94E-07	1.76E-07	8.02E-08	7.57E-08	3.62E-09	8.74E-08	1.93E-08	2.63E-08	4.18E-08	7.36E-09	4.99E-09	1.91E-07	9.88E-08	4.19E-08	4.93E-08	1.94E-08	9.88E-08	4.19E-08
4848	485363.09	3861877.25	3.22E-04	3.30E-04	3.11E-04	1.11E-07	3.36E-07	1.95E-07	1.99E-07	1.81E-07	8.25E-08	7.78E-08	3.72E-09	8.98E-08	1.98E-08	2.71E-08	4.29E-08	7.57E-09	5.13E-09	1.96E-07	1.02E-07	4.31E-08	5.07E-08	1.99E-08	1.02E-07	4.31E-08
4849	485863.09	3861877.25	3.32E-04	3.40E-04	3.21E-04	1.15E-07	3.47E-07	2.01E-07	2.06E-07	1.87E-07	8.51E-08	8.03E-08	3.84E-09	9.27E-08	2.05E-08	2.79E-08	4.43E-08	7.81E-09	5.30E-09	2.02E-07	1.05E-07	4.45E-08	5.23E-08	2.06E-08	1.05E-07	4.45E-08
4850	486363.09	3861877.25	3.50E-04	3.58E-04	3.38E-04	1.21E-07	3.66E-07	2.12E-07	2.17E-07	1.97E-07	8.97E-08	8.46E-08	4.04E-09	9.77E-08	2.16E-08	2.94E-08	4.67E-08	8.23E-09	5.58E-09	2.13E-07	1.10E-07	4.68E-08	5.51E-08	2.16E-08	1.10E-07	4.68E-08
4851	486863.09	3861877.25	3.72E-04	3.81E-04	3.59E-04	1.29E-07	3.89E-07	2.25E-07	2.30E-07	2.09E-07	9.53E-08	8.99E-08	4.30E-09	1.04E-07	2.29E-08	3.13E-08	4.96E-08	8.75E-09	5.93E-09	2.27E-07	1.17E-07	4.98E-08	5.86E-08	2.30E-08	1.17E-07	4.98E-08
4852	487363.09	3861877.25	3.96E-04	4.05E-04	3.82E-04	1.37E-07	4.13E-07	2.39E-07	2.45E-07	2.22E-07	1.01E-07	9.56E-08	4.57E-09	1.10E-07	2.44E-08	3.33E-08	5.28E-08	9.30E-09	6.31E-09	2.41E-07	1.25E-07	5.30E-08	6.23E-08	2.45E-08	1.25E-07	5.30E-08
4853	487863.09	3861877.25	4.19E-04	4.29E-04	4.05E-04	1.45E-07	4.38E-07	2.54E-07	2.60E-07	2.35E-07	1.07E-07	1.01E-07	4.85E-09	1.17E-07	2.58E-08	3.53E-08	5.59E-08	9.86E-09	6.68E-09	2.55E-07	1.32E-07	5.61E-08	6.60E-08	2.59E-08	1.32E-07	5.61E-08
4854	488363.09	3861877.25	4.47E-04	4.58E-04	4.32E-04	1.55E-07	4.67E-07	2.71E-07	2.77E-07	2.51E-07	1.15E-07	1.08E-07	5.17E-09	1.25E-07	2.76E-08	3.76E-08	5.97E-08	1.05E-08	7.13E-09	2.73E-07	1.41E-07	5.99E-08	7.04E-08	2.77E-08	1.41E-07	5.99E-08
4855	488863.09	3861877.25	4.80E-04	4.91E-04	4.63E-04	1.66E-07	5.01E-07	2.90E-07	2.97E-07	2.69E-07	1.23E-07	1.16E-07	5.54E-09	1.34E-07	2.96E-08	4.04E-08	6.40E-08	1.13E-08	7.65E-09	2.92E-07	1.51E-07	6.42E-08	7.56E-08	2.97E-08	1.51E-07	6.42E-08
4856	489363.09	3861877.25	5.14E-04	5.26E-04	4.96E-04	1.78E-07	5.37E-07	3.11E-07	3.18E-07	2.89E-07	1.32E-07	1.24E-07	5.94E-09	1.43E-07	3.16E-08	4.32E-08	6.86E-08	1.21E-08	8.19E-09	3.13E-07	1.62E-07	6.88E-08	8.09E-08	3.18E-08	1.62E-07	6.88E-08
4857	489863.09	3861877.25	5.55E-04	5.68E-04	5.36E-04	1.92E-07	5.80E-07	3.36E-07	3.44E-07	3.12E-07	1.42E-07	1.34E-07	6.41E-09	1.55E-07	3.42E-08	4.67E-08	7.41E-08	1.31E-08	8.85E-09	3.38E-07	1.75E-07	7.43E-08	8.74E-08	3.43E-08	1.75E-07	7.43E-08
4858	490363.09	3861877.25	6.10E-04	6.24E-04	5.89E-04	2.11E-07	6.37E-07	3.69E-07	3.78E-07	3.42E-07	1.56E-07	1.47E-07	7.05E-09	1.70E-07	3.76E-08	5.13E-08	8.14E-08	1.43E-08	9.72E-09	3.72E-07	1.92E-07	8.16E-08	9.60E-08	3.77E-08	1.92E-07	8.16E-08
4859	490863.09	3861877.25	6.91E-04	7.07E-04	6.67E-04	2.39E-07	7.22E-07	4.18E-07	4.28E-07	3.88E-07	1.77E-07	1.67E-07	7.98E-09	1.93E-07	4.26E-08	5.81E-08	9.22E-08	1.62E-08	1.10E-08	4.21E-07	2.18E-07	9.25E-08	1.09E-07	4.27E-08	2.18E-07	9.25E-08
4860	491363.09	3861877.25	8.01E-04	8.21E-04	7.74E-04	2.77E-07	8.38E-07	4.85E-07	4.97E-07	4.50E-07	2.05E-07	1.94E-07	9.26E-09	2.24E-07	4.94E-08	6.74E-08	1.07E-07	1.89E-08	1.28E-08	4.88E-07	2.53E-07	1.07E-07	1.26E-07	4.96E-08	2.53E-07	1.07E-07
4861	491863.09	3861877.25	9.53E-04	9.77E-04	9.21E-04	3.30E-07	9.97E-07	5.77E-07	5.91E-07	5.36E-07	2.44E-07	2.31E-07	1.10E-08	2.66E-07	5.87E-08	8.02E-08	1.27E-07	2.24E-08	1.52E-08	5.81E-07	3.01E-07	1.28E-07	1.50E-07	5.90E-08	3.01E-07	1.28E-07
4862	492363.09	3861877.25	1.18E-03	1.21E-03	1.14E-03	4.08E-07	1.23E-06	7.14E-07	7.31E-07	6.62E-07	3.02E-07	2.85E-07	1.36E-08	3.29E-07	7.27E-08	9.92E-08	1.57E-07	2.77E-08	1.88E-08	7.19E-07	3.72E-07	1.58E-07	1.86E-07	7.30E-08	3.72E-07	1.58E-07
4863	492863.09	3861877.25	1.53E-03	1.56E-03	1.47E-03	5.28E-07	1.60E-06	9.23E-07	9.46E-07	8.57E-07	3.91E-07	3.69E-07	1.76E-08	4.26E-07	9.40E-08	1.28E-07	2.04E-07	3.59E-08	2.43E-08	9.30E-07	4.82E-07	2.04E-07	2.40E-07	9.44E-08	4.82E-07	2.04E-07
4864	493363.09	3861877.25	2.06E-03	2.11E-03	1.99E-03	7.14E-07	2.16E-06	1.25E-06	1.28E-06	1.16E-06	5.29E-07	4.99E-07	2.38E-08	5.76E-07	1.27E-07	1.73E-07	2.75E-07	4.85E-08	3.29E-08	1.26E-06	6.51E-07	2.76E-07	3.25E-07	1.28E-07	6.51E-07	2.76E-07
4865	493863.09	3861877.25	3.04E-03	3.11E-03	2.94E-03	1.05E-06	3.18E-06	1.84E-06	1.88E-06	1.71E-06	7.79E-07	7.35E-07	3.51E-08	8.48E-07	1.87E-07	2.56E-07	4.06E-07	7.15E-08	4.85E-08	1.85E-06	9.59E-07	4.07E-07	4.79E-07	1.88E-07	9.59E-07	4.07E-07
4866	494363.09	3861877.25	5.46E-03	5.59E-03	5.27E-03	1.89E-06	5.70E-06	3.30E-06	3.38E-06	3.07E-06	1.40E-06	1.32E-06	6.31E-08	1.52E-06	3.36E-07	4.59E-07	7.28E-07	1.28E-07	8.70E-08	3.33E-06	1.72E-06	7.31E-07	8.60E-07	3.38E-07	1.72E-06	7.31E-07
4867	494863.09	3861877.25	2.23E-02	2.28E-02	2.15E-02	7.71E-06	2.33E-05	1.35E-05	1.38E-05	1.25E-05	5.71E-06	5.39E-06	2.58E-07	6.22E-06	1.37E-06	1.88E-06	2.97E-06	5.24E-07	3.55E-07	1.36E-05	7.03E-06	2.98E-06	3.51E-06	1.38E-06	7.03E-06	2.98E-06
4868	495363.09	3861877.25	2.61E-02	2.68E-02	2.52E-02	9.04E-06	2.73E-05	1.58E-05	1.62E-05	1.47E-05	6.70E-06	6.32E-06	3.02E-07	7.30E-06	1.61E-06	2.20E-06	3.49E-06	6.15E-07	4.17E-07	1.59E-05	8.25E-06	3.50E-06	4.12E-06	1.62E-06	8.25E-06	3.50E-06
4869	495863.09	3861877.25	1.07E-02	1.10E-02	1.04E-02	3.72E-06	1.12E-05	6.50E-06	6.66E-06	6.04E-06	2.75E-06	2.60E-06	1.24E-07	3.00E-06	6.62E-07	9.04E-07	1.43E-06	2.53E-07	1.71E-07	6.55E-06	3.39E-06	1.44E-06	1.69E-06	6.65E-07	3.39E-06	1.44E-06
4870	496363.09	3861877.25	6.75E-03	6.91E-03	6.52E-03	2.34E-06	7.05E-06	4.08E-06	4.18E-06	3.79E-06	1.73E-06	1.63E-06	7.80E-08	1.88E-06	4.16E-07	5.68E-07	9.01E-07	1.59E-07	1.08E-07	4.11E-06	2.13E-06	9.04E-07	1.06E-06	4.18E-07	2.13E-06	9.04E-07
4871	496863.09	3861877.25	3.50E-03	3.58E-03	3.38E-03	1.21E-06	3.66E-06	2.12E-06	2.17E-06	1.97E-06	8.97E-07	8.46E-07	4.04E-08	9.77E-07	2.16E-07	2.94E-07	4.67E-07	8.23E-08	5.58E-08	2.13E-06	1.10E-06	4.69E-07	5.51E-07	2.17E-07	1.10E-06	4.69E-07
4872	497363.09	3861877.25	3.67E-03	3.76E-03	3.55E-03	1.27E-06	3.84E-06	2.22E-06	2.28E-06	2.06E-06	9.42E-07	8.89E-07	4.25E-08	1.03E-06	2.26E-07	3.09E-07	4.91E-07	8.65E-08	5.86E-08	2.24E-06	1.16E-06	4.92E-07	5.79E-07	2.27E-07	1.16E-06	4.92E-07
4873	497863.09	3861877.25	3.28E-03	3.36E-03	3.17E-03	1.14E-06	3.43E-06	1.98E-06	2.03E-06	1.84E-06	8.41E-07	7.93E-07	3.79E-08	9.16E-07	2.02E-07	2.76E-07	4.38E-07	7.71E-08	5.23E-08	2.00E-06	1.04E-06	4.39E-07	5.17E-07	2.03E-07	1.04E-06	4.39E-07
4874	498363.09	3861877.25	2.85E-03	2.92E-03	2.76E-03	9.88E-07	2.98E-06	1.73E-06	1.77E-06	1.60E-06	7.31E-07	6.90E-07	3.30E-08	7.97E-07	1.76E-07	2.40E-07	3.81E-07	6.71E-08	4.55E-08	1.74E-06	9.00E-07	3.82E-07	4.49E-07	1.77E-07	9.00E-07	3.82E-07
4875	471363.09	3862377.25	1.48E-04	1.51E-04	1.43E-04	5.11E-08	1.54E-07	8.93E-08	9.15E-08	8.29E-08	3.78E-08	3.57E-08	1.71E-09	4.12E-08	9.09E-09	1.24E-08	1.97E-08	3.47E-09	2.35E-09	9.00E-08	4.66E-08	1.98E-08	2.33E-08	9.13E-09	4.66E-08	1.98E-08
4876	471863.09	3862377.25	1.49E-04	1.53E-04	1.44E-04	5.16E-08	1.56E-07	9.02E-08	9.24E-08	8.37E-08	3.82E-08	3.60E-08	1.72E-09	4.16E-08	9.18E-09	1.25E-08	1.99E-08	3.51E-09	2.38E-09	9.09E-08	4.70E-08	2.00E-08	2.35E-08	9.23E-09	4.70E-08	2.00E-08
4877	472363.09	3862377.25	1.53E-04	1.57E-04	1.48E-04	5.31E-08	1.60E-07	9.29E-08	9.51E-08	8.62E-08	3.93E-08	3.71E-08	1.77E-09	4.29E-08	9.46E-09	1.29E-08	2.05E-08	3.61E-09	2.45E-09	9.36E-08	4.84E-08	2.06E-08	2.42E-08	9.50E-09	4.84E-08	2.06E-08
4878	472863.09	3862377.25	1.56E-04	1.60E-04	1.51E-04	5.42E-08	1.64E-07	9.47E-08	9.70E-08	8.79E-08	4.01E-08	3.78E-08	1.81E-09	4.37E-08	9.64E-09	1.32E-08	2.09E-08	3.68E-09	2.50E-09	9.53E-08	4.94E-08	2.09E-08	2.46E-08	9.68E-09	4.94E-08	2.09E-08
4879	473363.09	3862377.25	1.59E-04	1.63E-04	1.54E-04	5.52E-08	1.67E-07	9.64E-08	9.88E-08	8.95E-08	4.09E-08	3.85E-08	1.84E-09	4.45E-08	9.82E-09	1.34E-08	2.13E-08	3.75E-09	2.54E-09	9.71E-08	5.03E-08	2.13E-08	2.51E-08	9.86E-09	5.03E-08	2.13E-08
4880	473863.09	3862377.25	1.61E-04	1.65E-04	1.55E-04	5.57E-08	1.68E-07	9.73E-08	9.97E-08	9.04E-08	4.12E-08	3.89E-08	1.86E-09	4.49E-08	9.91E-09	1.35E-08	2.15E-08	3.78E-09	2.57E-09	9.80E-08	5.08E-08	2.15E-08	2.53E-08	9.96E-09	5.08E-08	2.15E-08
4881	474363.09	3862377.25	1.64E-04	1.68E-04	1.58E-04	5.67E-08	1.71E-07	9.91E-08	1.02E-07	9.20E-08	4.20E-08	3.96E-08	1.89E-09	4.57E-08	1.01E-08	1.38E-08	2.19E-08	3.85E-09	2.61E-09	9.98E-08	5.17E-08	2.19E-08	2.58E-08	1.01E-08	5.17E-08	2.19E-08
4882	474863.09	3862377.25	1.67E-04	1.71E-04	1.61E-04	5.77E-08	1.74E-07	1.01E-07	1.03E-07	9.37E-08	4.28E-08	4.03E-08	1.93E-09	4.66E-08	1.03E-08	1.40E-08	2.23E-08	3.92E-09	2.66E-09	1.02E-07	5.26E-08	2.23E-08	2.63E-08	1.03E-08	5.26E-08	2.23E-08
4883	475363.09	3862377.25	1.71E-04	1.75E-04	1.65E-04	5.93E-08	1.79E-07	1.04E-07	1.06E-07	9.62E-08	4.39E-08	4.14E-08	1.98E-09	4.78E-08	1.05E-08	1.44E-08	2.29E-08	4.03E-09	2.73E-09	1.04E-07	5.40E-08	2.29E-08	2.70E-08	1.06E-08	5.40E-08	2.29E-08
4884	475863.09	3862377.25	1.76E-04	1.80E-04	1.70E-04	6.08E-08	1.84E-07	1.06E-07	1.09E-07	9.87E-08	4.50E-08	4.25E-08	2.03E-09	4.90E-08	1.08E-08	1.48E-08	2.34E-08	4.13E-09	2.80E-09	1.07E-07	5.54E-08	2.35E-08	2.77E-08	1.09E-08	5.54E-08	2.35E-08
4885	476363.09	3862377.25	1.79E-04	1.83E-04	1.73E-04	6.18E-08	1.87E-07	1.08E-07	1.11E-07	1.00E-07	4.58E-08	4.32E-08	2.06E-09	4.99E-08	1.10E-08	1.50E-08	2.38E-08	4.20E-09	2.85E-09	1.09E-07	5.64E-08	2.39E-08	2.81E-08	1.11E-08	5.64E-08	2.39E-08
4886	476863.09	3862377.25	1.82E-04	1.86E-04	1.75E-04	6.28E-08	1.90E-07	1.10E-07	1.13E-07	1.02E-07	4.65E-08	4.39E-08	2.10E-09	5.07E-08	1.12E-08	1.53E-08	2.42E-08	4.27E-09	2.90E-09	1.11E-07	5.73E-08	2.43E-08	2.86E-08	1.12E-08	5.73E-08	2.43E-08
4887	477363.09	3862377.25	1.83E-04	1.87E-04	1.77E-04	6.34E-08	1.91E-07	1.11E-07	1.13E-07	1.03E-07	4.69E-08	4.42E-08	2.12E-09	5.11E-08	1.13E-08	1.54E-08	2.44E-08	4.31E-09	2.92E-09	1.12E-07	5.78E-08	2.45E-08	2.88E-08	1.13E-08	5.78E-08	2.45E-08
4888	477863.09	3862377.25	1.68E-04	1.72E-04	1.63E-04	5.82E-08	1.76E-07	1.02E-07	1.04E-07	9.45E-08	4.31E-08	4.07E-08	1.94E-09	4.70E-08	1.04E-08	1.42E-08	2.25E-08	3.96E-09	2.68E-09	1.03E-07	5.31E-08	2.25E-08	2.65E-08	1.04E-08	5.31E-08	2.25E-08
4889	478363.09	3862377.25	1.52E-04	1.56E-04	1.47E-04	5.26E-08	1.59E-07	9.20E-08	9.42E-08	8.54E-08	3.90E-08	3.68E-08	1.76E-09	4.24E-08	9.37E-09	1.28E-08	2.03E-08	3.58E-09	2.42E-09	9.27E-08	4.80E-08	2.04E-08	2.39E-08	9.41E-09	4.80E-08	2.04E-08
4890	478863.09	3862377.25	1.55E-04	1.59E-04	1.50E-04	5.36E-08	1.62E-07	9.38E-08	9.60E-08	8.71E-08	3.97E-08	3.75E-08	1.79E-09	4.33E-08	9.55E-09	1.30E-08	2.07E-08	3.65E-09	2.47E-09	9.44E-08	4.89E-08	2.08E-08	2.44E-08	9.59E-09	4.89E-08	2.08E-08
4891	479363.09	3862377.25	1.68E-04	1.72E-04	1.63E-04	5.82E-08	1.76E-07	1.02E-07	1.04E-07	9.45E-08	4.31E-08	4.07E-08	1.94E-09	4.70E-08	1.04E-08	1.42E-08	2.25E-08	3.96E-09	2.68E-09	1.03E-07	5.31E-08	2.25E-08	2.65E-08	1.04E-08	5.31E-08	2.25E-08
4892	479863.09	3862377.25	2.02E-04	2.07E-04	1.95E-04	7.00E-08	2.11E-07	1.22E-07	1.25E-07	1.14E-07	5.18E-08	4.89E-08	2.34E-09	5.65E-08	1.25E-08	1.70E-08	2.70E-08	4.76E-09	3.22E-09	1.23E-07	6.38E-08	2.71E-08	3.19E-08	1.25E-08	6.38E-08	2.71E-08
4893	480363.09	3862377.25	2.17E-04	2.22E-04	2.10E-04	7.51E-08	2.27E-07	1.31E-07	1.34E-07	1.22E-07	5.56E-08	5.25E-08	2.51E-09	6.06E-08	1.34E-08	1.83E-08	2.90E-08	5.10E-09	3.46E-09	1.32E-07	6.85E-08	2.91E-08	3.42E-08	1.34E-08	6.85E-08	2.91E-08
4894	480863.09	3862377.25	2.24E-04	2.30E-04	2.17E-04	7.77E-08	2.34E-07	1.36E-07	1.39E-07	1.26E-07	5.75E-08	5.42E-08	2.59E-09	6.26E-08	1.38E-08	1.89E-08	2.99E-08	5.28E-09	3.58E-09	1.37E-07	7.08E-08	3.00E-08	3.53E-08	1.39E-08	7.08E-08	3.00E-08
4895	481363.09	3862377.25	2.32E-04	2.37E-04	2.24E-04	8.02E-08	2.42E-07	1.40E-07	1.44E-07	1.30E-07	5.94E-08	5.60E-08	2.68E-09	6.47E-08	1.43E-08	1.95E-08	3.09E-08	5.45E-09	3.70E-09	1.41E-07	7.31E-08	3.10E-08	3.65E-08	1.43E-08	7.31E-08	3.10E-08
4896	481863.09	3862377.25	2.42E-04	2.48E-04	2.34E-04	8.38E-08	2.53E-07	1.46E-07	1.50E-07	1.36E-07	6.20E-08	5.85E-08	2.80E-09	6.76E-08	1.49E-08	2.04E-08	3.23E-08	5.69E-09	3.86E-09	1.48E-07	7.64E-08	3.24E-08	3.81E-08	1.50E-08	7.64E-08	3.24E-08
4897	482363.09	3862377.25	2.49E-04	2.55E-04	2.41E-04	8.63E-08	2.61E-07	1.51E-07	1.55E-07	1.40E-07	6.39E-08	6.03E-08	2.88E-09	6.96E-08	1.54E-08	2.10E-08	3.33E-08	5.87E-09	3.98E-09	1.52E-07	7.87E-08	3.34E-08	3.93E-08	1.54E-08	7.87E-08	3.34E-08
4898	482863.09	3862377.25	2.55E-04	2.62E-04	2.47E-04	8.84E-08	2.67E-07	1.54E-07	1.58E-07	1.43E-07	6.54E-08	6.17E-08	2.95E-09	7.13E-08	1.57E-08	2.15E-08	3.41E-08	6.01E-09	4.07E-09	1.56E-07	8.06E-08	3.42E-08	4.02E-08	1.58E-08	8.06E-08	3.42E-08
4899	483363.09	3862377.25	2.63E-04	2.69E-04	2.54E-04	9.09E-08	2.75E-07	1.59E-07	1.63E-07	1.48E-07	6.73E-08	6.35E-08	3.04E-09	7.34E-08	1.62E-08	2.21E-08	3.51E-08	6.18E-09	4.19E-09	1.60E-07	8.29E-08	3.52E-08	4.14E-08	1.63E-08	8.29E-08	3.52E-08
4900	483863.09	3862377.25	2.70E-04	2.77E-04	2.61E-04	9.35E-08	2.82E-07	1.63E-07	1.67E-07	1.52E-07	6.92E-08	6.53E-08	3.12E-09	7.54E-08	1.66E-08	2.27E-08	3.61E-08	6.35E-09	4.31E-09	1.65E-07	8.52E-08	3.62E-08	4.25E-08	1.67E-08	8.52E-08	3.62E-08
4901	484363.09	3862377.25	2.79E-04	2.86E-04	2.69E-04	9.66E-08	2.92E-07	1.69E-07	1.73E-07	1.57E-07	7.15E-08	6.74E-08	3.22E-09	7.79E-08	1.72E-08	2.35E-08	3.72E-08	6.56E-09	4.45E-09	1.70E-07	8.80E-08	3.74E-08	4.39E-08	1.73E-08	8.80E-08	3.74E-08
4902	484863.09	3862377.25	2.91E-04	2.98E-04	2.81E-04	1.01E-07	3.04E-07	1.76E-07	1.80E-07	1.63E-07	7.45E-08	7.03E-08	3.36E-09	8.12E-08	1.79E-08	2.45E-08	3.88E-08	6.84E-09	4.64E-09	1.77E-07	9.18E-08	3.89E-08	4.58E-08	1.80E-08	9.18E-08	3.89E-08
4903	485363.09	3862377.25	3.00E-04	3.07E-04	2.89E-04	1.04E-07	3.13E-07	1.81E-07	1.86E-07	1.68E-07	7.68E-08	7.24E-08	3.46E-09	8.37E-08	1.85E-08	2.52E-08	4.00E-08	7.05E-09	4.78E-09	1.83E-07	9.46E-08	4.01E-08	4.72E-08	1.85E-08	9.46E-08	4.01E-08
4904	485863.09	3862377.25	3.08E-04	3.16E-04	2.98E-04	1.07E-07	3.22E-07	1.87E-07	1.91E-07	1.73E-07	7.91E-08	7.46E-08	3.57E-09	8.61E-08	1.90E-08	2.60E-08	4.12E-08	7.26E-09	4.92E-09	1.88E-07	9.74E-08	4.13E-08	4.86E-08	1.91E-08	9.74E-08	4.13E-08
4905	486363.09	3862377.25	3.20E-04	3.28E-04	3.09E-04	1.11E-07	3.35E-07	1.94E-07	1.98E-07	1.80E-07	8.21E-08	7.74E-08	3.70E-09	8.94E-08	1.97E-08	2.69E-08	4.27E-08	7.53E-09	5.11E-09	1.95E-07	1.01E-07	4.29E-08	5.05E-08	1.98E-08	1.01E-07	4.29E-08
4906	486863.09	3862377.25	3.38E-04	3.46E-04	3.27E-04	1.17E-07	3.53E-07	2.04E-07	2.09E-07	1.90E-07	8.66E-08	8.17E-08	3.91E-09	9.44E-08	2.08E-08	2.84E-08	4.51E-08	7.95E-09	5.39E-09	2.06E-07	1.07E-07	4.53E-08	5.32E-08	2.09E-08	1.07E-07	4.53E-08
4907	487363.09	3862377.25	3.59E-04	3.67E-04	3.46E-04	1.24E-07	3.75E-07	2.17E-07	2.22E-07	2.01E-07	9.19E-08	8.67E-08	4.15E-09	1.00E-07	2.21E-08	3.02E-08	4.79E-08	8.44E-09	5.72E-09	2.19E-07	1.13E-07	4.80E-08	5.65E-08	2.22E-08	1.13E-07	4.80E-08
4908	487863.09	3862377.25	3.79E-04	3.88E-04	3.66E-04	1.31E-07	3.96E-07	2.30E-07	2.35E-07	2.13E-07	9.72E-08	9.17E-08	4.38E-09	1.06E-07	2.34E-08	3.19E-08	5.06E-08	8.92E-09	6.05E-09	2.31E-07	1.20E-07	5.08E-08	5.98E-08	2.35E-08	1.20E-07	5.08E-08
4909	488363.09	3862377.25	4.00E-04	4.10E-04	3.86E-04	1.38E-07	4.18E-07	2.42E-07	2.48E-07	2.25E-07	1.03E-07	9.67E-08	4.62E-09	1.12E-07	2.46E-08	3.37E-08	5.34E-08	9.41E-09	6.38E-09	2.44E-07	1.26E-07	5.36E-08	6.30E-08	2.48E-08	1.26E-07	5.36E-08
4910	488863.09	3862377.25	4.27E-04	4.37E-04	4.12E-04	1.48E-07	4.46E-07	2.58E-07	2.64E-07	2.40E-07	1.09E-07	1.03E-07	4.93E-09	1.19E-07	2.63E-08	3.59E-08	5.69E-08	1.00E-08	6.80E-09	2.60E-07	1.35E-07	5.71E-08	6.72E-08	2.64E-08	1.35E-07	5.71E-08
4911	489363.09	3862377.25	4.55E-04	4.66E-04	4.39E-04	1.57E-07	4.75E-07	2.75E-07	2.82E-07	2.55E-07	1.17E-07	1.10E-07	5.25E-09	1.27E-07	2.80E-08	3.82E-08	6.07E-08	1.07E-08	7.25E-09	2.77E-07	1.43E-07	6.09E-08	7.16E-08	2.81E-08	1.43E-07	6.09E-08
4912	489863.09	3862377.25	4.84E-04	4.96E-04	4.68E-04	1.68E-07	5.06E-07	2.93E-07	3.00E-07	2.72E-07	1.24E-07	1.17E-07	5.60E-09	1.35E-07	2.98E-08	4.07E-08	6.46E-08	1.14E-08	7.72E-09	2.95E-07	1.53E-07	6.48E-08	7.63E-08	3.00E-08	1.53E-07	6.48E-08
4913	490363.09	3862377.25	5.17E-04	5.29E-04	4.99E-04	1.79E-07	5.40E-07	3.13E-07	3.20E-07	2.90E-07	1.32E-07	1.25E-07	5.97E-09	1.44E-07	3.18E-08	4.35E-08	6.89E-08	1.22E-08	8.24E-09	3.15E-07	1.63E-07	6.92E-08	8.14E-08	3.20E-08	1.63E-07	6.92E-08
4914	490863.09	3862377.25	5.61E-04	5.74E-04	5.42E-04	1.94E-07	5.86E-07	3.39E-07	3.48E-07	3.15E-07	1.44E-07	1.36E-07	6.48E-09	1.57E-07	3.46E-08	4.72E-08	7.49E-08	1.32E-08	8.94E-09	3.42E-07	1.77E-07	7.51E-08	8.84E-08	3.47E-08	1.77E-07	7.51E-08
4915	491363.09	3862377.25	6.20E-04	6.35E-04	5.99E-04	2.15E-07	6.48E-07	3.75E-07	3.84E-07	3.48E-07	1.59E-07	1.50E-07	7.17E-09	1.73E-07	3.82E-08	5.22E-08	8.27E-08	1.46E-08	9.89E-09	3.78E-07	1.96E-07	8.30E-08	9.77E-08	3.84E-08	1.96E-07	8.30E-08
4916	491863.09	3862377.25	6.89E-04	7.06E-04	6.66E-04	2.39E-07	7.20E-07	4.17E-07	4.27E-07	3.87E-07	1.77E-07	1.67E-07	7.97E-09	1.92E-07	4.25E-08	5.80E-08	9.20E-08	1.62E-08	1.10E-08	4.20E-07	2.18E-07	9.23E-08	1.09E-07	4.27E-08	2.18E-07	9.23E-08
4917	492363.09	3862377.25	7.72E-04	7.91E-04	7.46E-04	2.67E-07	8.07E-07	4.67E-07	4.78E-07	4.34E-07	1.98E-07	1.87E-07	8.92E-09	2.16E-07	4.76E-08	6.49E-08	1.03E-07	1.82E-08	1.23E-08	4.70E-07	2.44E-07	1.03E-07	1.22E-07	4.78E-08	2.44E-07	1.03E-07
4918	492863.09	3862377.25	8.84E-04	9.05E-04	8.54E-04	3.06E-07	9.24E-07	5.35E-07	5.48E-07	4.97E-07	2.27E-07	2.14E-07	1.02E-08	2.47E-07	5.45E-08	7.44E-08	1.18E-07	2.08E-08	1.41E-08	5.39E-07	2.79E-07	1.18E-07	1.39E-07	5.47E-08	2.79E-07	1.18E-07
4919	493363.09	3862377.25	1.03E-03	1.05E-03	9.94E-04	3.56E-07	1.08E-06	6.22E-07	6.38E-07	5.78E-07	2.64E-07	2.49E-07	1.19E-08	2.87E-07	6.34E-08	8.66E-08	1.37E-07	2.42E-08	1.64E-08	6.27E-07	3.25E-07	1.38E-07	1.62E-07	6.37E-08	3.25E-07	1.38E-07
4920	493863.09	3862377.25	1.21E-03	1.23E-03	1.16E-03	4.17E-07	1.26E-06	7.30E-07	7.47E-07	6.77E-07	3.09E-07	2.92E-07	1.39E-08	3.37E-07	7.43E-08	1.01E-07	1.61E-07	2.84E-08	1.92E-08	7.35E-07	3.81E-07	1.61E-07	1.90E-07	7.46E-08	3.81E-07	1.61E-07
4921	494363.09	3862377.25	1.46E-03	1.50E-03	1.41E-03	5.06E-07	1.53E-06	8.85E-07	9.06E-07	8.22E-07	3.75E-07	3.54E-07	1.69E-08	4.08E-07	9.01E-08	1.23E-07	1.95E-07	3.44E-08	2.33E-08	8.91E-07	4.62E-07	1.96E-07	2.30E-07	9.05E-08	4.62E-07	1.96E-07

4922	494863.09	3862377.25	1.83E-03	1.87E-03	1.77E-03	6.34E-07	1.91E-06	1.11E-06	1.13E-06	1.03E-06	4.69E-07	4.42E-07	2.12E-08	5.11E-07	1.13E-07	1.54E-07	2.44E-07	4.31E-08	2.92E-08	1.12E-06	5.78E-07	2.45E-07	2.88E-07	1.13E-07	5.78E-07	2.45E-07
4923	495363.09	3862377.25	2.38E-03	2.44E-03	2.30E-03	8.23E-07	2.49E-06	1.44E-06	1.47E-06	1.34E-06	6.09E-07	5.75E-07	2.75E-08	6.64E-07	1.46E-07	2.00E-07	3.17E-07	5.59E-08	3.79E-08	1.45E-06	7.50E-07	3.18E-07	3.75E-07	1.47E-07	7.50E-07	3.18E-07
4924	495863.09	3862377.25	3.55E-03	3.64E-03	3.43E-03	1.23E-06	3.71E-06	2.15E-06	2.20E-06	1.99E-06	9.10E-07	8.58E-07	4.10E-08	9.91E-07	2.19E-07	2.99E-07	4.74E-07	8.35E-08	5.66E-08	2.16E-06	1.12E-06	4.75E-07	5.59E-07	2.20E-07	1.12E-06	4.75E-07
4925	496363.09	3862377.25	7.04E-03	7.21E-03	6.80E-03	2.44E-06	7.36E-06	4.26E-06	4.36E-06	3.95E-06	1.80E-06	1.70E-06	8.13E-08	1.96E-06	4.34E-07	5.92E-07	9.39E-07	1.66E-07	1.12E-07	4.29E-06	2.22E-06	9.42E-07	1.11E-06	4.36E-07	2.22E-06	9.42E-07
4926	496863.09	3862377.25	6.16E-02	6.31E-02	5.95E-02	2.13E-05	6.44E-05	3.73E-05	3.82E-05	3.46E-05	1.58E-05	1.49E-05	7.12E-07	1.72E-05	3.80E-06	5.19E-06	8.23E-06	1.45E-06	9.83E-07	3.76E-05	1.95E-05	8.25E-06	9.71E-06	3.81E-06	1.95E-05	8.25E-06
4927	497363.09	3862377.25	3.65E-02	3.74E-02	3.53E-02	1.27E-05	3.82E-05	2.21E-05	2.26E-05	2.05E-05	9.37E-06	8.84E-06	4.22E-07	1.02E-05	2.25E-06	3.08E-06	4.88E-06	8.60E-07	5.83E-07	2.23E-05	1.15E-05	4.89E-06	5.76E-06	2.26E-06	1.15E-05	4.89E-06
4928	497863.09	3862377.25	9.61E-02	9.84E-02	9.28E-02	3.33E-05	1.00E-04	5.81E-05	5.95E-05	5.40E-05	2.46E-05	2.32E-05	1.11E-06	2.68E-05	5.92E-06	8.09E-06	1.28E-05	2.26E-06	1.53E-06	5.86E-05	3.03E-05	1.29E-05	1.51E-05	5.95E-06	3.03E-05	1.29E-05
4929	498363.09	3862377.25	1.26E-02	1.29E-02	1.22E-02	4.37E-06	1.32E-05	7.64E-06	7.83E-06	7.09E-06	3.24E-06	3.05E-06	1.46E-07	3.53E-06	7.78E-07	1.06E-06	1.69E-06	2.97E-07	2.01E-07	7.70E-06	3.99E-06	1.69E-06	1.99E-06	7.82E-07	3.99E-06	1.69E-06
4930	471363.09	3862877.25	1.43E-04	1.47E-04	1.38E-04	4.96E-08	1.50E-07	8.66E-08	8.87E-08	8.04E-08	3.67E-08	3.46E-08	1.65E-09	4.00E-08	8.82E-09	1.20E-08	1.91E-08	3.37E-09	2.28E-09	8.73E-08	4.52E-08	1.92E-08	2.26E-08	8.86E-09	4.52E-08	1.92E-08
4931	471863.09	3862877.25	1.46E-04	1.50E-04	1.41E-04	5.06E-08	1.53E-07	8.84E-08	9.05E-08	8.21E-08	3.75E-08	3.53E-08	1.69E-09	4.08E-08	9.00E-09	1.23E-08	1.95E-08	3.44E-09	2.33E-09	8.91E-08	4.61E-08	1.96E-08	2.30E-08	9.04E-09	4.61E-08	1.96E-08
4932	472363.09	3862877.25	1.49E-04	1.53E-04	1.44E-04	5.16E-08	1.56E-07	9.02E-08	9.24E-08	8.37E-08	3.82E-08	3.60E-08	1.72E-09	4.16E-08	9.18E-09	1.25E-08	1.99E-08	3.51E-09	2.38E-09	9.09E-08	4.70E-08	2.00E-08	2.35E-08	9.23E-09	4.70E-08	2.00E-08
4933	472863.09	3862877.25	1.52E-04	1.56E-04	1.47E-04	5.26E-08	1.59E-07	9.20E-08	9.42E-08	8.54E-08	3.90E-08	3.68E-08	1.76E-09	4.24E-08	9.37E-09	1.28E-08	2.03E-08	3.58E-09	2.42E-09	9.27E-08	4.80E-08	2.04E-08	2.39E-08	9.41E-09	4.80E-08	2.04E-08
4934	473363.09	3862877.25	1.55E-04	1.59E-04	1.50E-04	5.36E-08	1.62E-07	9.38E-08	9.60E-08	8.71E-08	3.97E-08	3.75E-08	1.79E-09	4.33E-08	9.55E-09	1.30E-08	2.07E-08	3.65E-09	2.47E-09	9.44E-08	4.89E-08	2.08E-08	2.44E-08	9.59E-09	4.89E-08	2.08E-08
4935	473863.09	3862877.25	1.56E-04	1.60E-04	1.51E-04	5.42E-08	1.64E-07	9.47E-08	9.70E-08	8.79E-08	4.01E-08	3.78E-08	1.81E-09	4.37E-08	9.64E-09	1.32E-08	2.09E-08	3.68E-09	2.50E-09	9.53E-08	4.94E-08	2.09E-08	2.46E-08	9.68E-09	4.94E-08	2.09E-08
4936	474363.09	3862877.25	1.59E-04	1.63E-04	1.54E-04	5.52E-08	1.67E-07	9.64E-08	9.88E-08	8.95E-08	4.09E-08	3.85E-08	1.84E-09	4.45E-08	9.82E-09	1.34E-08	2.13E-08	3.75E-09	2.54E-09	9.71E-08	5.03E-08	2.13E-08	2.51E-08	9.86E-09	5.03E-08	2.13E-08
4937	474863.09	3862877.25	1.62E-04	1.66E-04	1.57E-04	5.62E-08	1.70E-07	9.82E-08	1.01E-07	9.12E-08	4.16E-08	3.93E-08	1.88E-09	4.53E-08	1.00E-08	1.37E-08	2.17E-08	3.82E-09	2.59E-09	9.89E-08	5.12E-08	2.17E-08	2.56E-08	1.00E-08	5.12E-08	2.17E-08
4938	475363.09	3862877.25	1.67E-04	1.71E-04	1.61E-04	5.77E-08	1.74E-07	1.01E-07	1.03E-07	9.37E-08	4.28E-08	4.03E-08	1.93E-09	4.66E-08	1.03E-08	1.40E-08	2.23E-08	3.92E-09	2.66E-09	1.02E-07	5.26E-08	2.23E-08	2.63E-08	1.03E-08	5.26E-08	2.23E-08
4939	475863.09	3862877.25	1.70E-04	1.74E-04	1.64E-04	5.88E-08	1.77E-07	1.03E-07	1.05E-07	9.53E-08	4.35E-08	4.10E-08	1.96E-09	4.74E-08	1.05E-08	1.43E-08	2.27E-08	3.99E-09	2.71E-09	1.03E-07	5.36E-08	2.27E-08	2.67E-08	1.05E-08	5.36E-08	2.27E-08
4940	476363.09	3862877.25	1.74E-04	1.78E-04	1.68E-04	6.03E-08	1.82E-07	1.05E-07	1.08E-07	9.78E-08	4.46E-08	4.21E-08	2.01E-09	4.86E-08	1.07E-08	1.47E-08	2.32E-08	4.10E-09	2.78E-09	1.06E-07	5.50E-08	2.33E-08	2.74E-08	1.08E-08	5.50E-08	2.33E-08
4941	476863.09	3862877.25	1.76E-04	1.80E-04	1.70E-04	6.08E-08	1.84E-07	1.06E-07	1.09E-07	9.87E-08	4.50E-08	4.25E-08	2.03E-09	4.90E-08	1.08E-08	1.48E-08	2.34E-08	4.13E-09	2.80E-09	1.07E-07	5.54E-08	2.35E-08	2.77E-08	1.09E-08	5.54E-08	2.35E-08
4942	477363.09	3862877.25	1.79E-04	1.83E-04	1.73E-04	6.18E-08	1.87E-07	1.08E-07	1.11E-07	1.00E-07	4.58E-08	4.32E-08	2.06E-09	4.99E-08	1.10E-08	1.50E-08	2.38E-08	4.20E-09	2.85E-09	1.09E-07	5.64E-08	2.39E-08	2.81E-08	1.11E-08	5.64E-08	2.39E-08
4943	477863.09	3862877.25	1.74E-04	1.78E-04	1.68E-04	6.03E-08	1.82E-07	1.05E-07	1.08E-07	9.78E-08	4.46E-08	4.21E-08	2.01E-09	4.86E-08	1.07E-08	1.47E-08	2.32E-08	4.10E-09	2.78E-09	1.06E-07	5.50E-08	2.33E-08	2.74E-08	1.08E-08	5.50E-08	2.33E-08
4944	478363.09	3862877.25	1.59E-04	1.63E-04	1.54E-04	5.52E-08	1.67E-07	9.64E-08	9.88E-08	8.95E-08	4.09E-08	3.85E-08	1.84E-09	4.45E-08	9.82E-09	1.34E-08	2.13E-08	3.75E-09	2.54E-09	9.71E-08	5.03E-08	2.13E-08	2.51E-08	9.86E-09	5.03E-08	2.13E-08
4945	478863.09	3862877.25	1.61E-04	1.65E-04	1.55E-04	5.57E-08	1.68E-07	9.73E-08	9.97E-08	9.04E-08	4.12E-08	3.89E-08	1.86E-09	4.49E-08	9.91E-09	1.35E-08	2.15E-08	3.78E-09	2.57E-09	9.80E-08	5.08E-08	2.15E-08	2.53E-08	9.96E-09	5.08E-08	2.15E-08
4946	479363.09	3862877.25	1.65E-04	1.69E-04	1.60E-04	5.72E-08	1.73E-07	1.00E-07	1.02E-07	9.29E-08	4.24E-08	4.00E-08	1.91E-09	4.62E-08	1.02E-08	1.39E-08	2.21E-08	3.89E-09	2.64E-09	1.01E-07	5.22E-08	2.21E-08	2.60E-08	1.02E-08	5.22E-08	2.21E-08
4947	479863.09	3862877.25	1.99E-04	2.04E-04	1.92E-04	6.90E-08	2.08E-07	1.21E-07	1.23E-07	1.12E-07	5.11E-08	4.82E-08	2.30E-09	5.56E-08	1.23E-08	1.68E-08	2.66E-08	4.69E-09	3.18E-09	1.21E-07	6.29E-08	2.67E-08	3.14E-08	1.23E-08	6.29E-08	2.67E-08
4948	480363.09	3862877.25	2.08E-04	2.13E-04	2.01E-04	7.20E-08	2.18E-07	1.26E-07	1.29E-07	1.17E-07	5.33E-08	5.03E-08	2.41E-09	5.81E-08	1.28E-08	1.75E-08	2.78E-08	4.90E-09	3.32E-09	1.27E-07	6.57E-08	2.79E-08	3.28E-08	1.29E-08	6.57E-08	2.79E-08
4949	480863.09	3862877.25	2.13E-04	2.18E-04	2.05E-04	7.36E-08	2.22E-07	1.29E-07	1.32E-07	1.19E-07	5.45E-08	5.14E-08	2.46E-09	5.93E-08	1.31E-08	1.79E-08	2.84E-08	5.00E-09	3.39E-09	1.30E-07	6.71E-08	2.85E-08	3.35E-08	1.32E-08	6.71E-08	2.85E-08
4950	481363.09	3862877.25	2.21E-04	2.27E-04	2.14E-04	7.66E-08	2.31E-07	1.34E-07	1.37E-07	1.24E-07	5.67E-08	5.35E-08	2.56E-09	6.18E-08	1.36E-08	1.86E-08	2.95E-08	5.21E-09	3.53E-09	1.35E-07	6.99E-08	2.96E-08	3.49E-08	1.37E-08	6.99E-08	2.96E-08
4951	481863.09	3862877.25	2.29E-04	2.34E-04	2.21E-04	7.92E-08	2.39E-07	1.38E-07	1.42E-07	1.29E-07	5.86E-08	5.53E-08	2.64E-09	6.39E-08	1.41E-08	1.92E-08	3.05E-08	5.38E-09	3.65E-09	1.39E-07	7.22E-08	3.06E-08	3.60E-08	1.42E-08	7.22E-08	3.06E-08
4952	482363.09	3862877.25	2.35E-04	2.40E-04	2.27E-04	8.12E-08	2.45E-07	1.42E-07	1.45E-07	1.32E-07	6.02E-08	5.67E-08	2.71E-09	6.55E-08	1.45E-08	1.97E-08	3.13E-08	5.52E-09	3.74E-09	1.43E-07	7.41E-08	3.14E-08	3.70E-08	1.45E-08	7.41E-08	3.14E-08
4953	482863.09	3862877.25	2.41E-04	2.46E-04	2.32E-04	8.33E-08	2.51E-07	1.46E-07	1.49E-07	1.35E-07	6.17E-08	5.82E-08	2.78E-09	6.72E-08	1.48E-08	2.02E-08	3.21E-08	5.66E-09	3.84E-09	1.47E-07	7.59E-08	3.22E-08	3.79E-08	1.49E-08	7.59E-08	3.22E-08
4954	483363.09	3862877.25	2.48E-04	2.54E-04	2.40E-04	8.58E-08	2.59E-07	1.50E-07	1.54E-07	1.39E-07	6.36E-08	6.00E-08	2.87E-09	6.92E-08	1.53E-08	2.09E-08	3.31E-08	5.83E-09	3.95E-09	1.51E-07	7.83E-08	3.32E-08	3.91E-08	1.53E-08	7.83E-08	3.32E-08
4955	483863.09	3862877.25	2.54E-04	2.60E-04	2.45E-04	8.79E-08	2.65E-07	1.54E-07	1.57E-07	1.43E-07	6.51E-08	6.14E-08	2.93E-09	7.09E-08	1.56E-08	2.14E-08	3.39E-08	5.97E-09	4.05E-09	1.55E-07	8.01E-08	3.40E-08	4.00E-08	1.57E-08	8.01E-08	3.40E-08
4956	484363.09	3862877.25	2.63E-04	2.69E-04	2.54E-04	9.09E-08	2.75E-07	1.59E-07	1.63E-07	1.48E-07	6.73E-08	6.35E-08	3.04E-09	7.34E-08	1.62E-08	2.21E-08	3.51E-08	6.18E-09	4.19E-09	1.60E-07	8.29E-08	3.52E-08	4.14E-08	1.63E-08	8.29E-08	3.52E-08
4957	484863.09	3862877.25	2.72E-04	2.78E-04	2.62E-04	9.40E-08	2.84E-07	1.64E-07	1.68E-07	1.53E-07	6.96E-08	6.57E-08	3.14E-09	7.58E-08	1.67E-08	2.28E-08	3.62E-08	6.39E-09	4.33E-09	1.66E-07	8.57E-08	3.64E-08	4.28E-08	1.68E-08	8.57E-08	3.64E-08
4958	485363.09	3862877.25	2.80E-04	2.87E-04	2.71E-04	9.71E-08	2.93E-07	1.70E-07	1.74E-07	1.58E-07	7.19E-08	6.78E-08	3.24E-09	7.83E-08	1.73E-08	2.36E-08	3.74E-08	6.60E-09	4.47E-09	1.71E-07	8.85E-08	3.76E-08	4.42E-08	1.74E-08	8.85E-08	3.76E-08
4959	485863.09	3862877.25	2.89E-04	2.96E-04	2.79E-04	1.00E-07	3.02E-07	1.75E-07	1.79E-07	1.63E-07	7.42E-08	6.99E-08	3.34E-09	8.08E-08	1.78E-08	2.43E-08	3.86E-08	6.80E-09	4.61E-09	1.76E-07	9.13E-08	3.87E-08	4.56E-08	1.79E-08	9.13E-08	3.87E-08
4960	486363.09	3862877.25	2.98E-04	3.05E-04	2.88E-04	1.03E-07	3.12E-07	1.80E-07	1.85E-07	1.67E-07	7.64E-08	7.21E-08	3.45E-09	8.32E-08	1.84E-08	2.51E-08	3.98E-08	7.01E-09	4.75E-09	1.82E-07	9.41E-08	3.99E-08	4.70E-08	1.85E-08	9.41E-08	3.99E-08
4961	486863.09	3862877.25	3.11E-04	3.19E-04	3.01E-04	1.08E-07	3.25E-07	1.88E-07	1.93E-07	1.75E-07	7.98E-08	7.53E-08	3.60E-09	8.70E-08	1.92E-08	2.62E-08	4.16E-08	7.33E-09	4.97E-09	1.90E-07	9.83E-08	4.17E-08	4.91E-08	1.93E-08	9.83E-08	4.17E-08
4962	487363.09	3862877.25	3.28E-04	3.36E-04	3.17E-04	1.13E-07	3.42E-07	1.98E-07	2.03E-07	1.84E-07	8.40E-08	7.92E-08	3.79E-09	9.15E-08	2.02E-08	2.76E-08	4.37E-08	7.71E-09	5.23E-09	2.00E-07	1.03E-07	4.39E-08	5.16E-08	2.03E-08	1.03E-07	4.39E-08
4963	487863.09	3862877.25	3.45E-04	3.54E-04	3.34E-04	1.20E-07	3.61E-07	2.09E-07	2.14E-07	1.94E-07	8.85E-08	8.35E-08	3.99E-09	9.64E-08	2.13E-08	2.91E-08	4.61E-08	8.12E-09	5.51E-09	2.10E-07	1.09E-07	4.62E-08	5.44E-08	2.14E-08	1.09E-07	4.62E-08
4964	488363.09	3862877.25	3.62E-04	3.70E-04	3.49E-04	1.25E-07	3.78E-07	2.19E-07	2.24E-07	2.03E-07	9.27E-08	8.74E-08	4.18E-09	1.01E-07	2.23E-08	3.04E-08	4.83E-08	8.51E-09	5.77E-09	2.20E-07	1.14E-07	4.84E-08	5.70E-08	2.24E-08	1.14E-07	4.84E-08
4965	488863.09	3862877.25	3.81E-04	3.90E-04	3.68E-04	1.32E-07	3.98E-07	2.30E-07	2.36E-07	2.14E-07	9.76E-08	9.21E-08	4.40E-09	1.06E-07	2.35E-08	3.20E-08	5.08E-08	8.96E-09	6.07E-09	2.32E-07	1.20E-07	5.10E-08	6.00E-08	2.36E-08	1.20E-07	5.10E-08
4966	489363.09	3862877.25	4.03E-04	4.13E-04	3.89E-04	1.39E-07	4.21E-07	2.44E-07	2.50E-07	2.26E-07	1.03E-07	9.74E-08	4.66E-09	1.13E-07	2.48E-08	3.39E-08	5.38E-08	9.48E-09	6.43E-09	2.46E-07	1.27E-07	5.40E-08	6.35E-08	2.49E-08	1.27E-07	5.40E-08
4967	489863.09	3862877.25	4.27E-04	4.37E-04	4.12E-04	1.48E-07	4.46E-07	2.58E-07	2.64E-07	2.40E-07	1.09E-07	1.03E-07	4.93E-09	1.19E-07	2.63E-08	3.59E-08	5.69E-08	1.00E-08	6.80E-09	2.60E-07	1.35E-07	5.71E-08	6.72E-08	2.64E-08	1.35E-07	5.71E-08
4968	490363.09	3862877.25	4.50E-04	4.61E-04	4.35E-04	1.56E-07	4.70E-07	2.72E-07	2.79E-07	2.53E-07	1.15E-07	1.09E-07	5.20E-09	1.26E-07	2.77E-08	3.79E-08	6.01E-08	1.06E-08	7.18E-09	2.74E-07	1.42E-07	6.03E-08	7.09E-08	2.79E-08	1.42E-07	6.03E-08
4969	490863.09	3862877.25	4.75E-04	4.87E-04	4.59E-04	1.65E-07	4.97E-07	2.88E-07	2.95E-07	2.67E-07	1.22E-07	1.15E-07	5.49E-09	1.33E-07	2.93E-08	4.00E-08	6.34E-08	1.12E-08	7.58E-09	2.90E-07	1.50E-07	6.36E-08	7.49E-08	2.94E-08	1.50E-07	6.36E-08
4970	491363.09	3862877.25	5.06E-04	5.18E-04	4.89E-04	1.75E-07	5.29E-07	3.06E-07	3.14E-07	2.84E-07	1.30E-07	1.22E-07	5.85E-09	1.41E-07	3.12E-08	4.26E-08	6.76E-08	1.19E-08	8.07E-09	3.09E-07	1.60E-07	6.78E-08	7.97E-08	3.13E-08	1.60E-07	6.78E-08
4971	491863.09	3862877.25	5.48E-04	5.61E-04	5.29E-04	1.90E-07	5.72E-07	3.31E-07	3.39E-07	3.08E-07	1.40E-07	1.32E-07	6.33E-09	1.53E-07	3.37E-08	4.61E-08	7.31E-08	1.29E-08	8.73E-09	3.34E-07	1.73E-07	7.33E-08	8.63E-08	3.39E-08	1.73E-07	7.33E-08
4972	492363.09	3862877.25	5.92E-04	6.06E-04	5.72E-04	2.05E-07	6.19E-07	3.58E-07	3.67E-07	3.32E-07	1.52E-07	1.43E-07	6.84E-09	1.65E-07	3.65E-08	4.98E-08	7.90E-08	1.39E-08	9.44E-09	3.61E-07	1.87E-07	7.93E-08	9.32E-08	3.66E-08	1.87E-07	7.93E-08
4973	492863.09	3862877.25	6.43E-04	6.59E-04	6.22E-04	2.23E-07	6.73E-07	3.89E-07	3.99E-07	3.61E-07	1.65E-07	1.56E-07	7.44E-09	1.80E-07	3.96E-08	5.41E-08	8.59E-08	1.51E-08	1.03E-08	3.92E-07	2.03E-07	8.62E-08	1.01E-07	3.98E-08	2.03E-07	8.62E-08
4974	493363.09	3862877.25	7.07E-04	7.24E-04	6.83E-04	2.45E-07	7.39E-07	4.28E-07	4.38E-07	3.97E-07	1.81E-07	1.71E-07	8.17E-09	1.97E-07	4.36E-08	5.95E-08	9.44E-08	1.66E-08	1.13E-08	4.31E-07	2.23E-07	9.47E-08	1.11E-07	4.38E-08	2.23E-07	9.47E-08
4975	493863.09	3862877.25	7.69E-04	7.88E-04	7.43E-04	2.66E-07	8.04E-07	4.65E-07	4.77E-07	4.32E-07	1.97E-07	1.86E-07	8.89E-09	2.15E-07	4.74E-08	6.47E-08	1.03E-07	1.81E-08	1.23E-08	4.69E-07	2.43E-07	1.03E-07	1.21E-07	4.76E-08	2.43E-07	1.03E-07
4976	494363.09	3862877.25	8.55E-04	8.75E-04	8.26E-04	2.96E-07	8.93E-07	5.17E-07	5.30E-07	4.80E-07	2.19E-07	2.07E-07	9.88E-09	2.39E-07	5.27E-08	7.19E-08	1.14E-07	2.01E-08	1.36E-08	5.21E-07	2.70E-07	1.14E-07	1.35E-07	5.29E-08	2.70E-07	1.14E-07
4977	494863.09	3862877.25	9.77E-04	1.00E-03	9.44E-04	3.38E-07	1.02E-06	5.91E-07	6.05E-07	5.49E-07	2.50E-07	2.36E-07	1.13E-08	2.73E-07	6.02E-08	8.22E-08	1.30E-07	2.30E-08	1.56E-08	5.95E-07	3.08E-07	1.31E-07	1.54E-07	6.05E-08	3.08E-07	1.31E-07
4978	495363.09	3862877.25	1.11E-03	1.14E-03	1.07E-03	3.85E-07	1.16E-06	6.72E-07	6.89E-07	6.24E-07	2.85E-07	2.69E-07	1.28E-08	3.10E-07	6.85E-08	9.35E-08	1.48E-07	2.61E-08	1.77E-08	6.77E-07	3.51E-07	1.49E-07	1.75E-07	6.88E-08	3.51E-07	1.49E-07
4979	495863.09	3862877.25	1.25E-03	1.28E-03	1.21E-03	4.34E-07	1.31E-06	7.58E-07	7.77E-07	7.04E-07	3.21E-07	3.03E-07	1.45E-08	3.50E-07	7.72E-08	1.05E-07	1.67E-07	2.95E-08	2.00E-08	7.64E-07	3.95E-07	1.68E-07	1.97E-07	7.75E-08	3.95E-07	1.68E-07
4980	496363.09	3862877.25	1.42E-03	1.45E-03	1.37E-03	4.91E-07	1.48E-06	8.58E-07	8.79E-07	7.97E-07	3.64E-07	3.43E-07	1.64E-08	3.96E-07	8.74E-08	1.19E-07	1.89E-07	3.34E-08	2.26E-08	8.64E-07	4.48E-07	1.90E-07	2.23E-07	8.78E-08	4.48E-07	1.90E-07
4981	496863.09	3862877.25	1.64E-03	1.67E-03	1.58E-03	5.66E-07	1.71E-06	9.89E-07	1.01E-06	9.19E-07	4.19E-07	3.95E-07	1.89E-08	4.57E-07	1.01E-07	1.38E-07	2.18E-07	3.85E-08	2.61E-08	9.97E-07	5.16E-07	2.19E-07	2.58E-07	1.01E-07	5.16E-07	2.19E-07
4982	497363.09	3862877.25	1.78E-03	1.82E-03	1.72E-03	6.16E-07	1.86E-06	1.08E-06	1.10E-06	1.00E-06	4.56E-07	4.30E-07	2.06E-08	4.97E-07	1.10E-07	1.50E-07	2.38E-07	4.19E-08	2.84E-08	1.08E-06	5.62E-07	2.38E-07	2.80E-07	1.10E-07	5.62E-07	2.38E-07
4983	497863.09	3862877.25	1.78E-03	1.82E-03	1.72E-03	6.17E-07	1.86E-06	1.08E-06	1.10E-06	1.00E-06	4.57E-07	4.31E-07	2.06E-08	4.97E-07	1.10E-07	1.50E-07	2.38E-07	4.19E-08	2.84E-08	1.09E-06	5.62E-07	2.39E-07	2.81E-07	1.10E-07	5.62E-07	2.39E-07
4984	498363.09	3862877.25	1.71E-03	1.75E-03	1.65E-03	5.93E-07	1.79E-06	1.04E-06	1.06E-06	9.62E-07	4.39E-07	4.14E-07	1.98E-08	4.78E-07	1.05E-07	1.44E-07	2.29E-07	4.03E-08	2.73E-08	1.04E-06	5.40E-07	2.29E-07	2.70E-07	1.06E-07	5.40E-07	2.29E-07
4985	471363.09	3863377.25	1.40E-04	1.44E-04	1.35E-04	4.85E-08	1.47E-07	8.48E-08	8.69E-08	7.88E-08	3.59E-08	3.39E-08	1.62E-09	3.91E-08	8.64E-09	1.18E-08	1.87E-08	3.30E-09	2.24E-09	8.55E-08	4.43E-08	1.88E-08	2.21E-08	8.68E-09	4.43E-08	1.88E-08
4986	471863.09	3863377.25	1.43E-04	1.47E-04	1.38E-04	4.96E-08	1.50E-07	8.66E-08	8.87E-08	8.04E-08	3.67E-08	3.46E-08	1.65E-09	4.00E-08	8.82E-09	1.20E-08	1.91E-08	3.37E-09	2.28E-09	8.73E-08	4.52E-08	1.92E-08	2.26E-08	8.86E-09	4.52E-08	1.92E-08
4987	472363.09	3863377.25	1.45E-04	1.48E-04	1.40E-04	5.01E-08	1.51E-07	8.75E-08	8.96E-08	8.13E-08	3.71E-08	3.50E-08	1.67E-09	4.04E-08	8.91E-09	1.22E-08	1.93E-08	3.40E-09	2.31E-09	8.82E-08	4.56E-08	1.94E-08	2.28E-08	8.95E-09	4.56E-08	1.94E-08
4988	472863.09	3863377.25	1.48E-04	1.51E-04	1.43E-04	5.11E-08	1.54E-07	8.93E-08	9.15E-08	8.29E-08	3.78E-08	3.57E-08	1.71E-09	4.12E-08	9.09E-09	1.24E-08	1.97E-08	3.47E-09	2.35E-09	9.00E-08	4.66E-08	1.98E-08	2.33E-08	9.13E-09	4.66E-08	1.98E-08
4989	473363.09	3863377.25	1.51E-04	1.54E-04	1.45E-04	5.21E-08	1.57E-07	9.11E-08	9.33E-08	8.46E-08	3.86E-08	3.64E-08	1.74E-09	4.20E-08	9.28E-09	1.27E-08	2.01E-08	3.54E-09	2.40E-09	9.18E-08	4.75E-08	2.02E-08	2.37E-08	9.32E-09	4.75E-08	2.02E-08
4990	473863.09	3863377.25	1.53E-04	1.57E-04	1.48E-04	5.31E-08	1.60E-07	9.29E-08	9.51E-08	8.62E-08	3.93E-08	3.71E-08	1.77E-09	4.29E-08	9.46E-09	1.29E-08	2.05E-08	3.61E-09	2.45E-09	9.36E-08	4.84E-08	2.06E-08	2.42E-08	9.50E-09	4.84E-08	2.06E-08
4991	474363.09	3863377.25	1.55E-04	1.59E-04	1.50E-04	5.36E-08	1.62E-07	9.38E-08	9.60E-08	8.71E-08	3.97E-08	3.75E-08	1.79E-09	4.33E-08	9.55E-09	1.30E-08	2.07E-08	3.65E-09	2.47E-09	9.44E-08	4.89E-08	2.08E-08	2.44E-08	9.59E-09	4.89E-08	2.08E-08
4992	474863.09	3863377.25	1.58E-04	1.62E-04	1.53E-04	5.47E-08	1.65E-07	9.56E-08	9.79E-08	8.87E-08	4.05E-08	3.82E-08	1.83E-09	4.41E-08	9.73E-09	1.33E-08	2.11E-08	3.71E-09	2.52E-09	9.62E-08	4.98E-08	2.11E-08	2.49E-08	9.77E-09	4.98E-08	2.11E-08
4993	475363.09	3863377.25	1.61E-04	1.65E-04	1.55E-04	5.57E-08	1.68E-07	9.73E-08	9.97E-08	9.04E-08	4.12E-08	3.89E-08	1.86E-09	4.49E-08	9.91E-09	1.35E-08	2.15E-08	3.78E-09	2.57E-09	9.80E-08	5.08E-08	2.15E-08	2.53E-08	9.96E-09	5.08E-08	2.15E-08
4994	475863.09	3863377.25	1.64E-04	1.68E-04	1.58E-04	5.67E-08	1.71E-07	9.91E-08	1.02E-07	9.20E-08	4.20E-08	3.96E-08	1.89E-09	4.57E-08	1.01E-08	1.38E-08	2.19E-08	3.85E-09	2.61E-09	9.98E-08	5.17E-08	2.19E-08	2.58E-08	1.01E-08	5.17E-08	2.19E-08
4995	476363.09	3863377.25	1.68E-04	1.72E-04	1.63E-04	5.82E-08	1.76E-07	1.02E-07	1.04E-07	9.45E-08	4.31E-08	4.07E-08	1.94E-09	4.70E-08	1.04E-08	1.42E-08	2.25E-08	3.96E-09	2.68E-09	1.03E-07	5.31E-08	2.25E-08	2.65E-08	1.04E-08	5.31E-08	2.25E-08
4996	476863.09	3863377.25	1.71E-04	1.75E-04	1.65E-04	5.93E-08	1.79E-07	1.04E-07	1.06E-07	9.62E-08	4.39E-08	4.14E-08	1.98E-09	4.78E-08	1.05E-08	1.44E-08	2.29E-08	4.03E-09	2.73E-09	1.04E-07	5.40E-08	2.29E-08	2.70E-08	1.06E-08	5.40E-08	2.29E-08
4997	477363.09	3863377.25	1.74E-04	1.78E-04	1.68E-04	6.03E-08	1.82E-07	1.05E-07	1.08E-07	9.78E-08	4.46E-08	4.21E-08	2.01E-09	4.86E-08	1.07E-08	1.47E-08	2.32E-08	4.10E-09	2.78E-09	1.06E-07	5.50E-08	2.33E-08	2.74E-08	1.08E-08	5.50E-08	2.33E-08
4998	477863.09	3863377.25	1.74E-04	1.78E-04	1.68E-04	6.03E-08	1.82E-07	1.05E-07	1.08E-07	9.78E-08	4.46E-08	4.21E-08	2.01E-09	4.86E-08	1.07E-08	1.47E-08	2.32E-08	4.10E-09	2.78E-09	1.06E-07	5.50E-08	2.33E-08	2.74E-08	1.08E-08	5.50E-08	2.33E-08

4999	478363.09	3863377.25	1.67E-04	1.71E-04	1.61E-04	5.77E-08	1.74E-07	1.01E-07	1.03E-07	9.37E-08	4.28E-08	4.03E-08	1.93E-09	4.66E-08	1.03E-08	1.40E-08	2.23E-08	3.92E-09	2.66E-09	1.02E-07	5.26E-08	2.23E-08	2.63E-08	1.03E-08	5.26E-08	2.23E-08
5000	478863.09	3863377.25	1.71E-04	1.75E-04	1.65E-04	5.93E-08	1.79E-07	1.04E-07	1.06E-07	9.62E-08	4.39E-08	4.14E-08	1.98E-09	4.78E-08	1.05E-08	1.44E-08	2.29E-08	4.03E-09	2.73E-09	1.04E-07	5.40E-08	2.29E-08	2.70E-08	1.06E-08	5.40E-08	2.29E-08
5001	479363.09	3863377.25	1.83E-04	1.87E-04	1.77E-04	6.34E-08	1.91E-07	1.11E-07	1.13E-07	1.03E-07	4.69E-08	4.42E-08	2.12E-09	5.11E-08	1.13E-08	1.54E-08	2.44E-08	4.31E-09	2.92E-09	1.12E-07	5.78E-08	2.45E-08	2.88E-08	1.13E-08	5.78E-08	2.45E-08
5002	479863.09	3863377.25	1.93E-04	1.98E-04	1.87E-04	6.69E-08	2.02E-07	1.17E-07	1.20E-07	1.09E-07	4.96E-08	4.67E-08	2.23E-09	5.40E-08	1.19E-08	1.63E-08	2.58E-08	4.55E-09	3.08E-09	1.18E-07	6.10E-08	2.59E-08	3.05E-08	1.20E-08	6.10E-08	2.59E-08
5003	480363.09	3863377.25	1.99E-04	2.04E-04	1.92E-04	6.90E-08	2.08E-07	1.21E-07	1.23E-07	1.12E-07	5.11E-08	4.82E-08	2.30E-09	5.56E-08	1.23E-08	1.68E-08	2.66E-08	4.69E-09	3.18E-09	1.21E-07	6.29E-08	2.67E-08	3.14E-08	1.23E-08	6.29E-08	2.67E-08
5004	480863.09	3863377.25	2.04E-04	2.09E-04	1.97E-04	7.05E-08	2.13E-07	1.23E-07	1.26E-07	1.14E-07	5.22E-08	4.92E-08	2.35E-09	5.69E-08	1.25E-08	1.71E-08	2.72E-08	4.79E-09	3.25E-09	1.24E-07	6.43E-08	2.73E-08	3.21E-08	1.26E-08	6.43E-08	2.73E-08
5005	481363.09	3863377.25	2.11E-04	2.16E-04	2.04E-04	7.31E-08	2.21E-07	1.28E-07	1.31E-07	1.19E-07	5.41E-08	5.10E-08	2.44E-09	5.89E-08	1.30E-08	1.78E-08	2.82E-08	4.96E-09	3.37E-09	1.29E-07	6.66E-08	2.83E-08	3.32E-08	1.31E-08	6.66E-08	2.83E-08
5006	481863.09	3863377.25	2.18E-04	2.24E-04	2.11E-04	7.56E-08	2.28E-07	1.32E-07	1.35E-07	1.23E-07	5.60E-08	5.28E-08	2.52E-09	6.10E-08	1.35E-08	1.84E-08	2.92E-08	5.14E-09	3.48E-09	1.33E-07	6.89E-08	2.93E-08	3.44E-08	1.35E-08	6.89E-08	2.93E-08
5007	482363.09	3863377.25	2.24E-04	2.30E-04	2.17E-04	7.77E-08	2.34E-07	1.36E-07	1.39E-07	1.26E-07	5.75E-08	5.42E-08	2.59E-09	6.26E-08	1.38E-08	1.89E-08	2.99E-08	5.28E-09	3.58E-09	1.37E-07	7.08E-08	3.00E-08	3.53E-08	1.39E-08	7.08E-08	3.00E-08
5008	482863.09	3863377.25	2.29E-04	2.34E-04	2.21E-04	7.92E-08	2.39E-07	1.38E-07	1.42E-07	1.29E-07	5.86E-08	5.53E-08	2.64E-09	6.39E-08	1.41E-08	1.92E-08	3.05E-08	5.38E-09	3.65E-09	1.39E-07	7.22E-08	3.06E-08	3.60E-08	1.42E-08	7.22E-08	3.06E-08
5009	483363.09	3863377.25	2.35E-04	2.40E-04	2.27E-04	8.12E-08	2.45E-07	1.42E-07	1.45E-07	1.32E-07	6.02E-08	5.67E-08	2.71E-09	6.55E-08	1.45E-08	1.97E-08	3.13E-08	5.52E-09	3.74E-09	1.43E-07	7.41E-08	3.14E-08	3.70E-08	1.45E-08	7.41E-08	3.14E-08
5010	483863.09	3863377.25	2.41E-04	2.46E-04	2.32E-04	8.33E-08	2.51E-07	1.46E-07	1.49E-07	1.35E-07	6.17E-08	5.82E-08	2.78E-09	6.72E-08	1.48E-08	2.02E-08	3.21E-08	5.66E-09	3.84E-09	1.47E-07	7.59E-08	3.22E-08	3.79E-08	1.49E-08	7.59E-08	3.22E-08
5011	484363.09	3863377.25	2.48E-04	2.54E-04	2.40E-04	8.58E-08	2.59E-07	1.50E-07	1.54E-07	1.39E-07	6.36E-08	6.00E-08	2.87E-09	6.92E-08	1.53E-08	2.09E-08	3.31E-08	5.83E-09	3.95E-09	1.51E-07	7.83E-08	3.32E-08	3.91E-08	1.53E-08	7.83E-08	3.32E-08
5012	484863.09	3863377.25	2.57E-04	2.63E-04	2.48E-04	8.89E-08	2.68E-07	1.55E-07	1.59E-07	1.44E-07	6.58E-08	6.21E-08	2.97E-09	7.17E-08	1.58E-08	2.16E-08	3.43E-08	6.04E-09	4.10E-09	1.57E-07	8.11E-08	3.44E-08	4.05E-08	1.59E-08	8.11E-08	3.44E-08
5013	485363.09	3863377.25	2.64E-04	2.71E-04	2.55E-04	9.15E-08	2.76E-07	1.60E-07	1.64E-07	1.48E-07	6.77E-08	6.39E-08	3.05E-09	7.38E-08	1.63E-08	2.22E-08	3.53E-08	6.21E-09	4.21E-09	1.61E-07	8.34E-08	3.54E-08	4.16E-08	1.63E-08	8.34E-08	3.54E-08
5014	485863.09	3863377.25	2.72E-04	2.78E-04	2.62E-04	9.40E-08	2.84E-07	1.64E-07	1.68E-07	1.53E-07	6.96E-08	6.57E-08	3.14E-09	7.58E-08	1.67E-08	2.28E-08	3.62E-08	6.39E-09	4.33E-09	1.66E-07	8.57E-08	3.64E-08	4.28E-08	1.68E-08	8.57E-08	3.64E-08
5015	486363.09	3863377.25	2.77E-04	2.84E-04	2.68E-04	9.60E-08	2.90E-07	1.68E-07	1.72E-07	1.56E-07	7.11E-08	6.71E-08	3.21E-09	7.75E-08	1.71E-08	2.33E-08	3.70E-08	6.53E-09	4.43E-09	1.69E-07	8.76E-08	3.72E-08	4.37E-08	1.72E-08	8.76E-08	3.72E-08
5016	486863.09	3863377.25	2.88E-04	2.95E-04	2.78E-04	9.96E-08	3.01E-07	1.74E-07	1.78E-07	1.62E-07	7.38E-08	6.96E-08	3.33E-09	8.04E-08	1.77E-08	2.42E-08	3.84E-08	6.77E-09	4.59E-09	1.75E-07	9.08E-08	3.85E-08	4.53E-08	1.78E-08	9.08E-08	3.85E-08
5017	487363.09	3863377.25	3.00E-04	3.07E-04	2.89E-04	1.04E-07	3.13E-07	1.81E-07	1.86E-07	1.68E-07	7.68E-08	7.24E-08	3.46E-09	8.37E-08	1.85E-08	2.52E-08	4.00E-08	7.05E-09	4.78E-09	1.83E-07	9.46E-08	4.01E-08	4.72E-08	1.85E-08	9.46E-08	4.01E-08
5018	487863.09	3863377.25	3.14E-04	3.22E-04	3.04E-04	1.09E-07	3.29E-07	1.90E-07	1.95E-07	1.77E-07	8.06E-08	7.60E-08	3.63E-09	8.78E-08	1.94E-08	2.65E-08	4.20E-08	7.40E-09	5.01E-09	1.92E-07	9.92E-08	4.21E-08	4.95E-08	1.95E-08	9.92E-08	4.21E-08
5019	488363.09	3863377.25	3.28E-04	3.36E-04	3.17E-04	1.13E-07	3.42E-07	1.98E-07	2.03E-07	1.84E-07	8.40E-08	7.92E-08	3.79E-09	9.15E-08	2.02E-08	2.76E-08	4.37E-08	7.71E-09	5.23E-09	2.00E-07	1.03E-07	4.39E-08	5.16E-08	2.03E-08	1.03E-07	4.39E-08
5020	488863.09	3863377.25	3.42E-04	3.51E-04	3.31E-04	1.19E-07	3.58E-07	2.07E-07	2.12E-07	1.92E-07	8.78E-08	8.28E-08	3.96E-09	9.56E-08	2.11E-08	2.88E-08	4.57E-08	8.05E-09	5.46E-09	2.09E-07	1.08E-07	4.59E-08	5.39E-08	2.12E-08	1.08E-07	4.59E-08
5021	489363.09	3863377.25	3.57E-04	3.66E-04	3.45E-04	1.24E-07	3.73E-07	2.16E-07	2.21E-07	2.01E-07	9.16E-08	8.64E-08	4.13E-09	9.97E-08	2.20E-08	3.01E-08	4.77E-08	8.40E-09	5.70E-09	2.18E-07	1.13E-07	4.78E-08	5.63E-08	2.21E-08	1.13E-07	4.78E-08
5022	489863.09	3863377.25	3.75E-04	3.84E-04	3.62E-04	1.30E-07	3.92E-07	2.27E-07	2.32E-07	2.11E-07	9.61E-08	9.06E-08	4.33E-09	1.05E-07	2.31E-08	3.15E-08	5.00E-08	8.82E-09	5.98E-09	2.28E-07	1.18E-07	5.02E-08	5.91E-08	2.32E-08	1.18E-07	5.02E-08
5023	490363.09	3863377.25	3.93E-04	4.02E-04	3.79E-04	1.36E-07	4.10E-07	2.38E-07	2.43E-07	2.21E-07	1.01E-07	9.49E-08	4.54E-09	1.10E-07	2.42E-08	3.30E-08	5.24E-08	9.24E-09	6.26E-09	2.39E-07	1.24E-07	5.26E-08	6.18E-08	2.43E-08	1.24E-07	5.26E-08
5024	490863.09	3863377.25	4.09E-04	4.19E-04	3.95E-04	1.42E-07	4.27E-07	2.47E-07	2.53E-07	2.30E-07	1.05E-07	9.88E-08	4.73E-09	1.14E-07	2.52E-08	3.44E-08	5.46E-08	9.62E-09	6.52E-09	2.49E-07	1.29E-07	5.47E-08	6.44E-08	2.53E-08	1.29E-07	5.47E-08
5025	491363.09	3863377.25	4.27E-04	4.37E-04	4.12E-04	1.48E-07	4.46E-07	2.58E-07	2.64E-07	2.40E-07	1.09E-07	1.03E-07	4.93E-09	1.19E-07	2.63E-08	3.59E-08	5.69E-08	1.00E-08	6.80E-09	2.60E-07	1.35E-07	5.71E-08	6.72E-08	2.64E-08	1.35E-07	5.71E-08
5026	491863.09	3863377.25	4.49E-04	4.60E-04	4.33E-04	1.55E-07	4.69E-07	2.71E-07	2.78E-07	2.52E-07	1.15E-07	1.08E-07	5.19E-09	1.25E-07	2.76E-08	3.78E-08	5.99E-08	1.06E-08	7.16E-09	2.73E-07	1.42E-07	6.01E-08	7.07E-08	2.78E-08	1.42E-07	6.01E-08
5027	492363.09	3863377.25	4.69E-04	4.81E-04	4.53E-04	1.62E-07	4.91E-07	2.84E-07	2.91E-07	2.64E-07	1.20E-07	1.13E-07	5.43E-09	1.31E-07	2.89E-08	3.95E-08	6.26E-08	1.10E-08	7.49E-09	2.86E-07	1.48E-07	6.28E-08	7.39E-08	2.90E-08	1.48E-07	6.28E-08
5028	492863.09	3863377.25	4.62E-04	4.73E-04	4.46E-04	1.60E-07	4.83E-07	2.80E-07	2.86E-07	2.60E-07	1.18E-07	1.12E-07	5.34E-09	1.29E-07	2.85E-08	3.89E-08	6.17E-08	1.09E-08	7.37E-09	2.82E-07	1.46E-07	6.19E-08	7.28E-08	2.86E-08	1.46E-07	6.19E-08
5029	493363.09	3863377.25	4.41E-04	4.52E-04	4.26E-04	1.53E-07	4.61E-07	2.67E-07	2.73E-07	2.48E-07	1.13E-07	1.07E-07	5.10E-09	1.23E-07	2.72E-08	3.71E-08	5.89E-08	1.04E-08	7.04E-09	2.69E-07	1.39E-07	5.91E-08	6.95E-08	2.73E-08	1.39E-07	5.91E-08
5030	493863.09	3863377.25	4.66E-04	4.78E-04	4.51E-04	1.61E-07	4.87E-07	2.82E-07	2.89E-07	2.62E-07	1.20E-07	1.13E-07	5.39E-09	1.30E-07	2.87E-08	3.92E-08	6.23E-08	1.10E-08	7.44E-09	2.84E-07	1.47E-07	6.25E-08	7.35E-08	2.89E-08	1.47E-07	6.25E-08
5031	494363.09	3863377.25	5.20E-04	5.32E-04	5.02E-04	1.80E-07	5.43E-07	3.14E-07	3.22E-07	2.92E-07	1.33E-07	1.26E-07	6.01E-09	1.45E-07	3.20E-08	4.37E-08	6.93E-08	1.22E-08	8.29E-09	3.17E-07	1.64E-07	6.96E-08	8.18E-08	3.22E-08	1.64E-07	6.96E-08
5032	494863.09	3863377.25	5.30E-04	5.43E-04	5.12E-04	1.83E-07	5.54E-07	3.21E-07	3.28E-07	2.98E-07	1.36E-07	1.28E-07	6.12E-09	1.48E-07	3.26E-08	4.46E-08	7.07E-08	1.25E-08	8.45E-09	3.23E-07	1.67E-07	7.10E-08	8.35E-08	3.28E-08	1.67E-07	7.10E-08
5033	495363.09	3863377.25	5.21E-04	5.34E-04	5.03E-04	1.80E-07	5.45E-07	3.15E-07	3.23E-07	2.93E-07	1.34E-07	1.26E-07	6.02E-09	1.45E-07	3.21E-08	4.38E-08	6.95E-08	1.23E-08	8.31E-09	3.18E-07	1.64E-07	6.98E-08	8.21E-08	3.22E-08	1.64E-07	6.98E-08
5034	495863.09	3863377.25	5.30E-04	5.43E-04	5.12E-04	1.83E-07	5.54E-07	3.21E-07	3.28E-07	2.98E-07	1.36E-07	1.28E-07	6.12E-09	1.48E-07	3.26E-08	4.46E-08	7.07E-08	1.25E-08	8.45E-09	3.23E-07	1.67E-07	7.10E-08	8.35E-08	3.28E-08	1.67E-07	7.10E-08
5035	496363.09	3863377.25	7.38E-04	7.56E-04	7.13E-04	2.55E-07	7.71E-07	4.47E-07	4.57E-07	4.15E-07	1.89E-07	1.78E-07	8.53E-09	2.06E-07	4.55E-08	6.21E-08	9.85E-08	1.74E-08	1.18E-08	4.50E-07	2.33E-07	9.88E-08	1.16E-07	4.57E-08	2.33E-07	9.88E-08
5036	496863.09	3863377.25	7.62E-04	7.80E-04	7.36E-04	2.64E-07	7.96E-07	4.61E-07	4.72E-07	4.28E-07	1.95E-07	1.84E-07	8.80E-09	2.13E-07	4.69E-08	6.41E-08	1.02E-07	1.79E-08	1.21E-08	4.64E-07	2.40E-07	1.02E-07	1.20E-07	4.71E-08	2.40E-07	1.02E-07
5037	497363.09	3863377.25	7.50E-04	7.68E-04	7.24E-04	2.60E-07	7.84E-07	4.54E-07	4.65E-07	4.21E-07	1.92E-07	1.81E-07	8.67E-09	2.09E-07	4.62E-08	6.31E-08	1.00E-07	1.76E-08	1.20E-08	4.57E-07	2.37E-07	1.00E-07	1.18E-07	4.64E-08	2.37E-07	1.00E-07
5038	497863.09	3863377.25	7.26E-04	7.44E-04	7.02E-04	2.51E-07	7.59E-07	4.39E-07	4.50E-07	4.08E-07	1.86E-07	1.76E-07	8.39E-09	2.03E-07	4.47E-08	6.11E-08	9.69E-08	1.71E-08	1.16E-08	4.43E-07	2.29E-07	9.72E-08	1.14E-07	4.49E-08	2.29E-07	9.72E-08
5039	498363.09	3863377.25	7.20E-04	7.38E-04	6.96E-04	2.49E-07	7.53E-07	4.36E-07	4.46E-07	4.05E-07	1.85E-07	1.74E-07	8.33E-09	2.01E-07	4.44E-08	6.06E-08	9.61E-08	1.69E-08	1.15E-08	4.39E-07	2.27E-07	9.64E-08	1.13E-07	4.46E-08	2.27E-07	9.64E-08
5040	471363.09	3863877.25	1.36E-04	1.39E-04	1.31E-04	4.70E-08	1.42E-07	8.22E-08	8.41E-08	7.63E-08	3.48E-08	3.28E-08	1.57E-09	3.79E-08	8.37E-09	1.14E-08	1.81E-08	3.19E-09	2.17E-09	8.28E-08	4.29E-08	1.82E-08	2.14E-08	8.40E-09	4.29E-08	1.82E-08
5041	471863.09	3863877.25	1.39E-04	1.42E-04	1.34E-04	4.80E-08	1.45E-07	8.39E-08	8.60E-08	7.79E-08	3.56E-08	3.35E-08	1.60E-09	3.87E-08	8.55E-09	1.17E-08	1.85E-08	3.26E-09	2.21E-09	8.46E-08	4.38E-08	1.86E-08	2.19E-08	8.59E-09	4.38E-08	1.86E-08
5042	472363.09	3863877.25	1.40E-04	1.44E-04	1.35E-04	4.85E-08	1.47E-07	8.48E-08	8.69E-08	7.88E-08	3.59E-08	3.39E-08	1.62E-09	3.91E-08	8.64E-09	1.18E-08	1.87E-08	3.30E-09	2.24E-09	8.55E-08	4.43E-08	1.88E-08	2.21E-08	8.68E-09	4.43E-08	1.88E-08
5043	472863.09	3863877.25	1.43E-04	1.47E-04	1.38E-04	4.96E-08	1.50E-07	8.66E-08	8.87E-08	8.04E-08	3.67E-08	3.46E-08	1.65E-09	4.00E-08	8.82E-09	1.20E-08	1.91E-08	3.37E-09	2.28E-09	8.73E-08	4.52E-08	1.92E-08	2.26E-08	8.86E-09	4.52E-08	1.92E-08
5044	473363.09	3863877.25	1.46E-04	1.50E-04	1.41E-04	5.06E-08	1.53E-07	8.84E-08	9.05E-08	8.21E-08	3.75E-08	3.53E-08	1.69E-09	4.08E-08	9.00E-09	1.23E-08	1.95E-08	3.44E-09	2.33E-09	8.91E-08	4.61E-08	1.96E-08	2.30E-08	9.04E-09	4.61E-08	1.96E-08
5045	473863.09	3863877.25	1.49E-04	1.53E-04	1.44E-04	5.16E-08	1.56E-07	9.02E-08	9.24E-08	8.37E-08	3.82E-08	3.60E-08	1.72E-09	4.16E-08	9.18E-09	1.25E-08	1.99E-08	3.51E-09	2.38E-09	9.09E-08	4.70E-08	2.00E-08	2.35E-08	9.23E-09	4.70E-08	2.00E-08
5046	474363.09	3863877.25	1.51E-04	1.54E-04	1.45E-04	5.21E-08	1.57E-07	9.11E-08	9.33E-08	8.46E-08	3.86E-08	3.64E-08	1.74E-09	4.20E-08	9.28E-09	1.27E-08	2.01E-08	3.54E-09	2.40E-09	9.18E-08	4.75E-08	2.02E-08	2.37E-08	9.32E-09	4.75E-08	2.02E-08
5047	474863.09	3863877.25	1.53E-04	1.57E-04	1.48E-04	5.31E-08	1.60E-07	9.29E-08	9.51E-08	8.62E-08	3.93E-08	3.71E-08	1.77E-09	4.29E-08	9.46E-09	1.29E-08	2.05E-08	3.61E-09	2.45E-09	9.36E-08	4.84E-08	2.06E-08	2.42E-08	9.50E-09	4.84E-08	2.06E-08
5048	475363.09	3863877.25	1.56E-04	1.60E-04	1.51E-04	5.42E-08	1.64E-07	9.47E-08	9.70E-08	8.79E-08	4.01E-08	3.78E-08	1.81E-09	4.37E-08	9.64E-09	1.32E-08	2.09E-08	3.68E-09	2.50E-09	9.53E-08	4.94E-08	2.09E-08	2.46E-08	9.68E-09	4.94E-08	2.09E-08
5049	475863.09	3863877.25	1.59E-04	1.63E-04	1.54E-04	5.52E-08	1.67E-07	9.64E-08	9.88E-08	8.95E-08	4.09E-08	3.85E-08	1.84E-09	4.45E-08	9.82E-09	1.34E-08	2.13E-08	3.75E-09	2.54E-09	9.71E-08	5.03E-08	2.13E-08	2.51E-08	9.86E-09	5.03E-08	2.13E-08
5050	476363.09	3863877.25	1.62E-04	1.66E-04	1.57E-04	5.62E-08	1.70E-07	9.82E-08	1.01E-07	9.12E-08	4.16E-08	3.93E-08	1.88E-09	4.53E-08	1.00E-08	1.37E-08	2.17E-08	3.82E-09	2.59E-09	9.89E-08	5.12E-08	2.17E-08	2.56E-08	1.00E-08	5.12E-08	2.17E-08
5051	476863.09	3863877.25	1.65E-04	1.69E-04	1.60E-04	5.72E-08	1.73E-07	1.00E-07	1.02E-07	9.29E-08	4.24E-08	4.00E-08	1.91E-09	4.62E-08	1.02E-08	1.39E-08	2.21E-08	3.89E-09	2.64E-09	1.01E-07	5.22E-08	2.21E-08	2.60E-08	1.02E-08	5.22E-08	2.21E-08
5052	477363.09	3863877.25	1.68E-04	1.72E-04	1.63E-04	5.82E-08	1.76E-07	1.02E-07	1.04E-07	9.45E-08	4.31E-08	4.07E-08	1.94E-09	4.70E-08	1.04E-08	1.42E-08	2.25E-08	3.96E-09	2.68E-09	1.03E-07	5.31E-08	2.25E-08	2.65E-08	1.04E-08	5.31E-08	2.25E-08
5053	477863.09	3863877.25	1.70E-04	1.74E-04	1.64E-04	5.88E-08	1.77E-07	1.03E-07	1.05E-07	9.53E-08	4.35E-08	4.10E-08	1.96E-09	4.74E-08	1.05E-08	1.43E-08	2.27E-08	3.99E-09	2.71E-09	1.03E-07	5.36E-08	2.27E-08	2.67E-08	1.05E-08	5.36E-08	2.27E-08
5054	478363.09	3863877.25	1.65E-04	1.69E-04	1.60E-04	5.72E-08	1.73E-07	1.00E-07	1.02E-07	9.29E-08	4.24E-08	4.00E-08	1.91E-09	4.62E-08	1.02E-08	1.39E-08	2.21E-08	3.89E-09	2.64E-09	1.01E-07	5.22E-08	2.21E-08	2.60E-08	1.02E-08	5.22E-08	2.21E-08
5055	478863.09	3863877.25	1.76E-04	1.80E-04	1.70E-04	6.08E-08	1.84E-07	1.06E-07	1.09E-07	9.87E-08	4.50E-08	4.25E-08	2.03E-09	4.90E-08	1.08E-08	1.48E-08	2.34E-08	4.13E-09	2.80E-09	1.07E-07	5.54E-08	2.35E-08	2.77E-08	1.09E-08	5.54E-08	2.35E-08
5056	479363.09	3863877.25	1.82E-04	1.86E-04	1.75E-04	6.28E-08	1.90E-07	1.10E-07	1.13E-07	1.02E-07	4.65E-08	4.39E-08	2.10E-09	5.07E-08	1.12E-08	1.53E-08	2.42E-08	4.27E-09	2.90E-09	1.11E-07	5.73E-08	2.43E-08	2.86E-08	1.12E-08	5.73E-08	2.43E-08
5057	479863.09	3863877.25	1.87E-04	1.92E-04	1.81E-04	6.49E-08	1.96E-07	1.13E-07	1.16E-07	1.05E-07	4.80E-08	4.53E-08	2.17E-09	5.23E-08	1.15E-08	1.58E-08	2.50E-08	4.41E-09	2.99E-09	1.14E-07	5.92E-08	2.51E-08	2.95E-08	1.16E-08	5.92E-08	2.51E-08
5058	480363.09	3863877.25	1.92E-04	1.97E-04	1.85E-04	6.64E-08	2.01E-07	1.16E-07	1.19E-07	1.08E-07	4.92E-08	4.64E-08	2.22E-09	5.36E-08	1.18E-08	1.61E-08	2.56E-08	4.51E-09	3.06E-09	1.17E-07	6.06E-08	2.57E-08	3.02E-08	1.19E-08	6.06E-08	2.57E-08
5059	480863.09	3863877.25	1.96E-04	2.01E-04	1.90E-04	6.79E-08	2.05E-07	1.19E-07	1.22E-07	1.10E-07	5.03E-08	4.75E-08	2.27E-09	5.48E-08	1.21E-08	1.65E-08	2.62E-08	4.62E-09	3.13E-09	1.20E-07	6.20E-08	2.63E-08	3.09E-08	1.21E-08	6.20E-08	2.63E-08
5060	481363.09	3863877.25	2.02E-04	2.07E-04	1.95E-04	7.00E-08	2.11E-07	1.22E-07	1.25E-07	1.14E-07	5.18E-08	4.89E-08	2.34E-09	5.65E-08	1.25E-08	1.70E-08	2.70E-08	4.76E-09	3.22E-09	1.23E-07	6.38E-08	2.71E-08	3.19E-08	1.25E-08	6.38E-08	2.71E-08
5061	481863.09	3863877.25	2.08E-04	2.13E-04	2.01E-04	7.20E-08	2.18E-07	1.26E-07	1.29E-07	1.17E-07	5.33E-08	5.03E-08	2.41E-09	5.81E-08	1.28E-08	1.75E-08	2.78E-08	4.90E-09	3.32E-09	1.27E-07	6.57E-08	2.79E-08	3.28E-08	1.29E-08	6.57E-08	2.79E-08
5062	482363.09	3863877.25	2.13E-04	2.18E-04	2.05E-04	7.36E-08	2.22E-07	1.29E-07	1.32E-07	1.19E-07	5.45E-08	5.14E-08	2.46E-09	5.93E-08	1.31E-08	1.79E-08	2.84E-08	5.00E-09	3.39E-09	1.30E-07	6.71E-08	2.85E-08	3.35E-08	1.32E-08	6.71E-08	2.85E-08
5063	482863.09	3863877.25	2.17E-04	2.22E-04	2.10E-04	7.51E-08	2.27E-07	1.31E-07	1.34E-07	1.22E-07	5.56E-08	5.25E-08	2.51E-09	6.06E-08	1.34E-08	1.83E-08	2.90E-08	5.10E-09	3.46E-09	1.32E-07	6.85E-08	2.91E-08	3.42E-08	1.34E-08	6.85E-08	2.91E-08
5064	483363.09	3863877.25	2.21E-04	2.27E-04	2.14E-04	7.66E-08	2.31E-07	1.34E-07	1.37E-07	1.24E-07	5.67E-08	5.35E-08	2.56E-09	6.18E-08	1.36E-08	1.86E-08	2.95E-08	5.21E-09	3.53E-09	1.35E-07	6.99E-08	2.96E-08	3.49E-08	1.37E-08	6.99E-08	2.96E-08
5065	483863.09	3863877.25	2.26E-04	2.31E-04	2.18E-04	7.82E-08	2.36E-07	1.37E-07	1.40E-07	1.27E-07	5.79E-08	5.46E-08	2.61E-09	6.31E-08	1.39E-08	1.90E-08	3.01E-08	5.31E-09	3.60E-09	1.38E-07	7.13E-08	3.02E-08	3.56E-08	1.40E-08	7.13E-08	3.02E-08
5066	484363.09	3863877.25	2.32E-04	2.37E-04	2.24E-04	8.02E-08	2.42E-07	1.40E-07	1.44E-07	1.30E-07	5.94E-08	5.60E-08	2.68E-09	6.47E-08	1.43E-08	1.95E-08	3.09E-08	5.45E-09	3.70E-09	1.41E-07	7.31E-08	3.10E-08	3.65E-08	1.43E-08	7.31E-08	3.10E-08
5067	484863.09	3863877.25	2.38E-04	2.43E-04	2.30E-04	8.23E-08	2.48E-07	1.44E-07	1.47E-07	1.33E-07	6.09E-08	5.75E-08	2.75E-09	6.63E-08	1.46E-08	2.00E-08	3.17E-08	5.59E-09	3.79E-09	1.45E-07	7.50E-08	3.18E-08	3.74E-08	1.47E-08	7.50E-08	3.18E-08
5068	485363.09	3863877.25	2.44E-04	2.49E-04	2.35E-04	8.43E-08	2.55E-07	1.47E-07	1.51E-07	1.37E-07	6.24E-08	5.89E-08	2.81E-09	6.80E-08	1.50E-08	2.05E-08	3.25E-08	5.73E-09	3.88E-09	1.48E-07	7.69E-08	3.26E-08	3.84E-08	1.51E-08	7.69E-08	3.26E-08
5069	485863.09	3863877.25	2.49E-04	2.55E-04	2.41E-04	8.63E-08	2.61E-07	1.51E-07	1.55E-07	1.40E-07	6.39E-08	6.03E-08	2.88E-09	6.96E-08	1.54E-08	2.10E-08	3.33E-08	5.87E-09	3.98E-09	1.52E-07	7.87E-08	3.34E-08	3.93E-08	1.54E-08	7.87E-08	3.34E-08
5070	486363.09	3863877.25	2.55E-04	2.62E-04	2.47E-04	8.84E-08	2.67E-07	1.54E-07	1.58E-07	1.43E-07	6.54E-08	6.17E-08	2.95E-09	7.13E-08	1.57E-08	2.15E-08	3.41E-08	6.01E-09	4.07E-09	1.56E-07	8.06E-08	3.42E-08	4.02E-08	1.58E-08	8.06E-08	3.42E-08
5071	486863.09	3863877.25	2.63E-04	2.69E-04	2.54E-04	9.09E-08	2.75E-07	1.59E-07	1.63E-07	1.48E-07	6.73E-08	6.35E-08	3.04E-09	7.34E-08	1.62E-08	2.21E-08	3.51E-08	6.18E-09	4.19E-09	1.60E-07	8.29E-08	3.52E-08	4.14E-08	1.63E-08	8.29E-08	3.52E-08
5072	487363.09	3863877.25	2.72E-04	2.78E-04	2.62E-04	9.40E-08	2.84E-07	1.64E-07	1.68E-07	1.53E-07	6.96E-08	6.57E-08	3.14E-09	7.58E-08	1.67E-08	2.28E-08	3.62E-08	6.39E-09	4.33E-09	1.66E-07	8.57E-08	3.64E-08	4.28E-08	1.68E-08	8.57E-08	3.64E-08
5073	487863.09	3863877.25	2.83E-04	2.90E-04	2.74E-04	9.81E-08	2.96E-07	1.71E-07	1.76E-07	1.59E-07	7.26E-08	6.85E-08	3.28E-09	7.91E-08	1.75E-08	2.38E-08	3.78E-08	6.67E-09	4.52E-09	1.73E-07	8.94E-08	3.79E-08	4.46E-08	1.75E-08	8.94E-08	3.79E-08
5074	488363.09	3863877.25	2.95E-04	3.02E-04	2.85E-04	1.02E-07	3.09E-07	1.79E-07	1.83E-07	1.66E-07	7.57E-08	7.14E-08	3.41E-09	8.24E-08	1.82E-08	2.48E-08	3.94E-08	6.94E-09	4.71E-09	1.80E-07	9.32E-08	3.95E-08	4.65E-08	1.83E-08	9.32E-08	3.95E-08
5075	488863.09	3863877.25	3.07E-04	3.14E-04	2.97E-04	1.06E-07	3.21E-07	1.86E-07	1.90E-07	1.72E-07	7.87E-08	7.42E-08	3.55E-09	8.57E-08	1.89E-08	2.58E-08	4.10E-08	7.22E-09	4.90E-09	1.87E-07	9.69E-08	4.11E-08	4.84E-08	1.90E-08	9.69E-08	4.11E-08

5076	489363.09	3863877.25	3.20E-04	3.28E-04	3.09E-04	1.11E-07	3.35E-07	1.94E-07	1.98E-07	1.80E-07	8.21E-08	7.74E-08	3.70E-09	8.94E-08	1.97E-08	2.69E-08	4.27E-08	7.53E-09	5.11E-09	1.95E-07	1.01E-07	4.29E-08	5.05E-08	1.98E-08	1.01E-07	4.29E-08
5077	489863.09	3863877.25	3.32E-04	3.40E-04	3.21E-04	1.15E-07	3.47E-07	2.01E-07	2.06E-07	1.87E-07	8.51E-08	8.03E-08	3.84E-09	9.27E-08	2.05E-08	2.79E-08	4.43E-08	7.81E-09	5.30E-09	2.02E-07	1.05E-07	4.45E-08	5.23E-08	2.06E-08	1.05E-07	4.45E-08
5078	490363.09	3863877.25	3.44E-04	3.52E-04	3.32E-04	1.19E-07	3.59E-07	2.08E-07	2.13E-07	1.93E-07	8.81E-08	8.31E-08	3.98E-09	9.60E-08	2.12E-08	2.89E-08	4.59E-08	8.09E-09	5.48E-09	2.10E-07	1.09E-07	4.60E-08	5.42E-08	2.13E-08	1.09E-07	4.60E-08
5079	490863.09	3863877.25	3.54E-04	3.63E-04	3.42E-04	1.23E-07	3.70E-07	2.14E-07	2.20E-07	1.99E-07	9.08E-08	8.56E-08	4.09E-09	9.89E-08	2.18E-08	2.98E-08	4.73E-08	8.33E-09	5.65E-09	2.16E-07	1.12E-07	4.74E-08	5.58E-08	2.19E-08	1.12E-07	4.74E-08
5080	491363.09	3863877.25	3.63E-04	3.72E-04	3.51E-04	1.26E-07	3.79E-07	2.20E-07	2.25E-07	2.04E-07	9.31E-08	8.78E-08	4.20E-09	1.01E-07	2.24E-08	3.05E-08	4.85E-08	8.54E-09	5.79E-09	2.21E-07	1.15E-07	4.86E-08	5.72E-08	2.25E-08	1.15E-07	4.86E-08
5081	491863.09	3863877.25	3.59E-04	3.67E-04	3.46E-04	1.24E-07	3.75E-07	2.17E-07	2.22E-07	2.01E-07	9.19E-08	8.67E-08	4.15E-09	1.00E-07	2.21E-08	3.02E-08	4.79E-08	8.44E-09	5.72E-09	2.19E-07	1.13E-07	4.80E-08	5.65E-08	2.22E-08	1.13E-07	4.80E-08
5082	492363.09	3863877.25	3.17E-04	3.25E-04	3.07E-04	1.10E-07	3.32E-07	1.92E-07	1.97E-07	1.78E-07	8.13E-08	7.67E-08	3.67E-09	8.86E-08	1.96E-08	2.67E-08	4.24E-08	7.46E-09	5.06E-09	1.93E-07	1.00E-07	4.25E-08	5.00E-08	1.96E-08	1.00E-07	4.25E-08
5083	492863.09	3863877.25	2.83E-04	2.90E-04	2.74E-04	9.81E-08	2.96E-07	1.71E-07	1.76E-07	1.59E-07	7.26E-08	6.85E-08	3.28E-09	7.91E-08	1.75E-08	2.38E-08	3.78E-08	6.67E-09	4.52E-09	1.73E-07	8.94E-08	3.79E-08	4.46E-08	1.75E-08	8.94E-08	3.79E-08
5084	493363.09	3863877.25	2.98E-04	3.05E-04	2.88E-04	1.03E-07	3.12E-07	1.80E-07	1.85E-07	1.67E-07	7.64E-08	7.21E-08	3.45E-09	8.32E-08	1.84E-08	2.51E-08	3.98E-08	7.01E-09	4.75E-09	1.82E-07	9.41E-08	3.99E-08	4.70E-08	1.85E-08	9.41E-08	3.99E-08
5085	493863.09	3863877.25	3.22E-04	3.30E-04	3.11E-04	1.11E-07	3.36E-07	1.95E-07	1.99E-07	1.81E-07	8.25E-08	7.78E-08	3.72E-09	8.98E-08	1.98E-08	2.71E-08	4.29E-08	7.57E-09	5.13E-09	1.96E-07	1.02E-07	4.31E-08	5.07E-08	1.99E-08	1.02E-07	4.31E-08
5086	494363.09	3863877.25	3.45E-04	3.54E-04	3.34E-04	1.20E-07	3.61E-07	2.09E-07	2.14E-07	1.94E-07	8.85E-08	8.35E-08	3.99E-09	9.64E-08	2.13E-08	2.91E-08	4.61E-08	8.12E-09	5.51E-09	2.10E-07	1.09E-07	4.62E-08	5.44E-08	2.14E-08	1.09E-07	4.62E-08
5087	494863.09	3863877.25	3.53E-04	3.61E-04	3.41E-04	1.22E-07	3.69E-07	2.13E-07	2.19E-07	1.98E-07	9.04E-08	8.53E-08	4.08E-09	9.85E-08	2.17E-08	2.97E-08	4.71E-08	8.30E-09	5.63E-09	2.15E-07	1.11E-07	4.72E-08	5.56E-08	2.18E-08	1.11E-07	4.72E-08
5088	495363.09	3863877.25	3.66E-04	3.75E-04	3.54E-04	1.27E-07	3.83E-07	2.21E-07	2.27E-07	2.06E-07	9.38E-08	8.85E-08	4.23E-09	1.02E-07	2.26E-08	3.08E-08	4.89E-08	8.61E-09	5.84E-09	2.23E-07	1.16E-07	4.90E-08	5.77E-08	2.27E-08	1.16E-07	4.90E-08
5089	495863.09	3863877.25	3.70E-04	3.79E-04	3.58E-04	1.28E-07	3.87E-07	2.24E-07	2.30E-07	2.08E-07	9.50E-08	8.96E-08	4.28E-09	1.03E-07	2.28E-08	3.12E-08	4.94E-08	8.71E-09	5.91E-09	2.26E-07	1.17E-07	4.96E-08	5.84E-08	2.29E-08	1.17E-07	4.96E-08
5090	496363.09	3863877.25	4.19E-04	4.29E-04	4.05E-04	1.45E-07	4.38E-07	2.54E-07	2.60E-07	2.35E-07	1.07E-07	1.01E-07	4.85E-09	1.17E-07	2.58E-08	3.53E-08	5.59E-08	9.86E-09	6.68E-09	2.55E-07	1.32E-07	5.61E-08	6.60E-08	2.59E-08	1.32E-07	5.61E-08
5091	496863.09	3863877.25	4.72E-04	4.84E-04	4.56E-04	1.63E-07	4.94E-07	2.86E-07	2.93E-07	2.65E-07	1.21E-07	1.14E-07	5.46E-09	1.32E-07	2.91E-08	3.97E-08	6.30E-08	1.11E-08	7.53E-09	2.88E-07	1.49E-07	6.32E-08	7.44E-08	2.92E-08	1.49E-07	6.32E-08
5092	497363.09	3863877.25	4.86E-04	4.97E-04	4.69E-04	1.68E-07	5.08E-07	2.94E-07	3.01E-07	2.73E-07	1.24E-07	1.17E-07	5.61E-09	1.36E-07	2.99E-08	4.09E-08	6.48E-08	1.14E-08	7.74E-09	2.96E-07	1.53E-07	6.50E-08	7.65E-08	3.01E-08	1.53E-07	6.50E-08
5093	497863.09	3863877.25	4.77E-04	4.88E-04	4.61E-04	1.65E-07	4.98E-07	2.88E-07	2.95E-07	2.68E-07	1.22E-07	1.15E-07	5.51E-09	1.33E-07	2.94E-08	4.01E-08	6.36E-08	1.12E-08	7.60E-09	2.91E-07	1.50E-07	6.38E-08	7.51E-08	2.95E-08	1.50E-07	6.38E-08
5094	498363.09	3863877.25	4.62E-04	4.73E-04	4.46E-04	1.60E-07	4.83E-07	2.80E-07	2.86E-07	2.60E-07	1.18E-07	1.12E-07	5.34E-09	1.29E-07	2.85E-08	3.89E-08	6.17E-08	1.09E-08	7.37E-09	2.82E-07	1.46E-07	6.19E-08	7.28E-08	2.86E-08	1.46E-07	6.19E-08
5095	471363.09	3864377.25	1.33E-04	1.36E-04	1.28E-04	4.60E-08	1.39E-07	8.04E-08	8.23E-08	7.46E-08	3.40E-08	3.21E-08	1.54E-09	3.71E-08	8.18E-09	1.12E-08	1.77E-08	3.12E-09	2.12E-09	8.10E-08	4.19E-08	1.78E-08	2.09E-08	8.22E-09	4.19E-08	1.78E-08
5096	471863.09	3864377.25	1.34E-04	1.38E-04	1.30E-04	4.65E-08	1.40E-07	8.13E-08	8.32E-08	7.54E-08	3.44E-08	3.25E-08	1.55E-09	3.75E-08	8.27E-09	1.13E-08	1.79E-08	3.16E-09	2.14E-09	8.19E-08	4.24E-08	1.80E-08	2.12E-08	8.31E-09	4.24E-08	1.80E-08
5097	472363.09	3864377.25	1.37E-04	1.41E-04	1.33E-04	4.75E-08	1.43E-07	8.30E-08	8.51E-08	7.71E-08	3.52E-08	3.32E-08	1.59E-09	3.83E-08	8.46E-09	1.15E-08	1.83E-08	3.23E-09	2.19E-09	8.37E-08	4.33E-08	1.84E-08	2.16E-08	8.49E-09	4.33E-08	1.84E-08
5098	472863.09	3864377.25	1.40E-04	1.44E-04	1.35E-04	4.85E-08	1.47E-07	8.48E-08	8.69E-08	7.88E-08	3.59E-08	3.39E-08	1.62E-09	3.91E-08	8.64E-09	1.18E-08	1.87E-08	3.30E-09	2.24E-09	8.55E-08	4.43E-08	1.88E-08	2.21E-08	8.68E-09	4.43E-08	1.88E-08
5099	473363.09	3864377.25	1.42E-04	1.45E-04	1.37E-04	4.90E-08	1.48E-07	8.57E-08	8.78E-08	7.96E-08	3.63E-08	3.43E-08	1.64E-09	3.96E-08	8.73E-09	1.19E-08	1.89E-08	3.33E-09	2.26E-09	8.64E-08	4.47E-08	1.90E-08	2.23E-08	8.77E-09	4.47E-08	1.90E-08
5100	473863.09	3864377.25	1.45E-04	1.48E-04	1.40E-04	5.01E-08	1.51E-07	8.75E-08	8.96E-08	8.13E-08	3.71E-08	3.50E-08	1.67E-09	4.04E-08	8.91E-09	1.22E-08	1.93E-08	3.40E-09	2.31E-09	8.82E-08	4.56E-08	1.94E-08	2.28E-08	8.95E-09	4.56E-08	1.94E-08
5101	474363.09	3864377.25	1.46E-04	1.50E-04	1.41E-04	5.06E-08	1.53E-07	8.84E-08	9.05E-08	8.21E-08	3.75E-08	3.53E-08	1.69E-09	4.08E-08	9.00E-09	1.23E-08	1.95E-08	3.44E-09	2.33E-09	8.91E-08	4.61E-08	1.96E-08	2.30E-08	9.04E-09	4.61E-08	1.96E-08
5102	474863.09	3864377.25	1.49E-04	1.53E-04	1.44E-04	5.16E-08	1.56E-07	9.02E-08	9.24E-08	8.37E-08	3.82E-08	3.60E-08	1.72E-09	4.16E-08	9.18E-09	1.25E-08	1.99E-08	3.51E-09	2.38E-09	9.09E-08	4.70E-08	2.00E-08	2.35E-08	9.23E-09	4.70E-08	2.00E-08
5103	475363.09	3864377.25	1.51E-04	1.54E-04	1.45E-04	5.21E-08	1.57E-07	9.11E-08	9.33E-08	8.46E-08	3.86E-08	3.64E-08	1.74E-09	4.20E-08	9.28E-09	1.27E-08	2.01E-08	3.54E-09	2.40E-09	9.18E-08	4.75E-08	2.02E-08	2.37E-08	9.32E-09	4.75E-08	2.02E-08
5104	475863.09	3864377.25	1.53E-04	1.57E-04	1.48E-04	5.31E-08	1.60E-07	9.29E-08	9.51E-08	8.62E-08	3.93E-08	3.71E-08	1.77E-09	4.29E-08	9.46E-09	1.29E-08	2.05E-08	3.61E-09	2.45E-09	9.36E-08	4.84E-08	2.06E-08	2.42E-08	9.50E-09	4.84E-08	2.06E-08
5105	476363.09	3864377.25	1.56E-04	1.60E-04	1.51E-04	5.42E-08	1.64E-07	9.47E-08	9.70E-08	8.79E-08	4.01E-08	3.78E-08	1.81E-09	4.37E-08	9.64E-09	1.32E-08	2.09E-08	3.68E-09	2.50E-09	9.53E-08	4.94E-08	2.09E-08	2.46E-08	9.68E-09	4.94E-08	2.09E-08
5106	476863.09	3864377.25	1.59E-04	1.63E-04	1.54E-04	5.52E-08	1.67E-07	9.64E-08	9.88E-08	8.95E-08	4.09E-08	3.85E-08	1.84E-09	4.45E-08	9.82E-09	1.34E-08	2.13E-08	3.75E-09	2.54E-09	9.71E-08	5.03E-08	2.13E-08	2.51E-08	9.86E-09	5.03E-08	2.13E-08
5107	477363.09	3864377.25	1.64E-04	1.68E-04	1.58E-04	5.67E-08	1.71E-07	9.91E-08	1.02E-07	9.20E-08	4.20E-08	3.96E-08	1.89E-09	4.57E-08	1.01E-08	1.38E-08	2.19E-08	3.85E-09	2.61E-09	9.98E-08	5.17E-08	2.19E-08	2.58E-08	1.01E-08	5.17E-08	2.19E-08
5108	477863.09	3864377.25	1.67E-04	1.71E-04	1.61E-04	5.77E-08	1.74E-07	1.01E-07	1.03E-07	9.37E-08	4.28E-08	4.03E-08	1.93E-09	4.66E-08	1.03E-08	1.40E-08	2.23E-08	3.92E-09	2.66E-09	1.02E-07	5.26E-08	2.23E-08	2.63E-08	1.03E-08	5.26E-08	2.23E-08
5109	478363.09	3864377.25	1.68E-04	1.72E-04	1.63E-04	5.82E-08	1.76E-07	1.02E-07	1.04E-07	9.45E-08	4.31E-08	4.07E-08	1.94E-09	4.70E-08	1.04E-08	1.42E-08	2.25E-08	3.96E-09	2.68E-09	1.03E-07	5.31E-08	2.25E-08	2.65E-08	1.04E-08	5.31E-08	2.25E-08
5110	478863.09	3864377.25	1.71E-04	1.75E-04	1.65E-04	5.93E-08	1.79E-07	1.04E-07	1.06E-07	9.62E-08	4.39E-08	4.14E-08	1.98E-09	4.78E-08	1.05E-08	1.44E-08	2.29E-08	4.03E-09	2.73E-09	1.04E-07	5.40E-08	2.29E-08	2.70E-08	1.06E-08	5.40E-08	2.29E-08
5111	479363.09	3864377.25	1.74E-04	1.78E-04	1.68E-04	6.03E-08	1.82E-07	1.05E-07	1.08E-07	9.78E-08	4.46E-08	4.21E-08	2.01E-09	4.86E-08	1.07E-08	1.47E-08	2.32E-08	4.10E-09	2.78E-09	1.06E-07	5.50E-08	2.33E-08	2.74E-08	1.08E-08	5.50E-08	2.33E-08
5112	479863.09	3864377.25	1.79E-04	1.83E-04	1.73E-04	6.18E-08	1.87E-07	1.08E-07	1.11E-07	1.00E-07	4.58E-08	4.32E-08	2.06E-09	4.99E-08	1.10E-08	1.50E-08	2.38E-08	4.20E-09	2.85E-09	1.09E-07	5.64E-08	2.39E-08	2.81E-08	1.11E-08	5.64E-08	2.39E-08
5113	480363.09	3864377.25	1.82E-04	1.86E-04	1.75E-04	6.28E-08	1.90E-07	1.10E-07	1.13E-07	1.02E-07	4.65E-08	4.39E-08	2.10E-09	5.07E-08	1.12E-08	1.53E-08	2.42E-08	4.27E-09	2.90E-09	1.11E-07	5.73E-08	2.43E-08	2.86E-08	1.12E-08	5.73E-08	2.43E-08
5114	480863.09	3864377.25	1.84E-04	1.89E-04	1.78E-04	6.39E-08	1.93E-07	1.12E-07	1.14E-07	1.04E-07	4.73E-08	4.46E-08	2.13E-09	5.15E-08	1.14E-08	1.55E-08	2.46E-08	4.34E-09	2.94E-09	1.12E-07	5.82E-08	2.47E-08	2.91E-08	1.14E-08	5.82E-08	2.47E-08
5115	481363.09	3864377.25	1.90E-04	1.95E-04	1.84E-04	6.59E-08	1.99E-07	1.15E-07	1.18E-07	1.07E-07	4.88E-08	4.60E-08	2.20E-09	5.32E-08	1.17E-08	1.60E-08	2.54E-08	4.48E-09	3.04E-09	1.16E-07	6.01E-08	2.55E-08	3.00E-08	1.18E-08	6.01E-08	2.55E-08
5116	481863.09	3864377.25	1.96E-04	2.01E-04	1.90E-04	6.79E-08	2.05E-07	1.19E-07	1.22E-07	1.10E-07	5.03E-08	4.75E-08	2.27E-09	5.48E-08	1.21E-08	1.65E-08	2.62E-08	4.62E-09	3.13E-09	1.20E-07	6.20E-08	2.63E-08	3.09E-08	1.21E-08	6.20E-08	2.63E-08
5117	482363.09	3864377.25	1.99E-04	2.04E-04	1.92E-04	6.90E-08	2.08E-07	1.21E-07	1.23E-07	1.12E-07	5.11E-08	4.82E-08	2.30E-09	5.56E-08	1.23E-08	1.68E-08	2.66E-08	4.69E-09	3.18E-09	1.21E-07	6.29E-08	2.67E-08	3.14E-08	1.23E-08	6.29E-08	2.67E-08
5118	482863.09	3864377.25	2.02E-04	2.07E-04	1.95E-04	7.00E-08	2.11E-07	1.22E-07	1.25E-07	1.14E-07	5.18E-08	4.89E-08	2.34E-09	5.65E-08	1.25E-08	1.70E-08	2.70E-08	4.76E-09	3.22E-09	1.23E-07	6.38E-08	2.71E-08	3.19E-08	1.25E-08	6.38E-08	2.71E-08
5119	483363.09	3864377.25	2.07E-04	2.12E-04	2.00E-04	7.15E-08	2.16E-07	1.25E-07	1.28E-07	1.16E-07	5.30E-08	5.00E-08	2.39E-09	5.77E-08	1.27E-08	1.74E-08	2.76E-08	4.86E-09	3.30E-09	1.26E-07	6.52E-08	2.77E-08	3.26E-08	1.28E-08	6.52E-08	2.77E-08
5120	483863.09	3864377.25	2.11E-04	2.16E-04	2.04E-04	7.31E-08	2.21E-07	1.28E-07	1.31E-07	1.19E-07	5.41E-08	5.10E-08	2.44E-09	5.89E-08	1.30E-08	1.78E-08	2.82E-08	4.96E-09	3.37E-09	1.29E-07	6.66E-08	2.83E-08	3.32E-08	1.31E-08	6.66E-08	2.83E-08
5121	484363.09	3864377.25	2.15E-04	2.21E-04	2.08E-04	7.46E-08	2.25E-07	1.30E-07	1.34E-07	1.21E-07	5.52E-08	5.21E-08	2.49E-09	6.02E-08	1.33E-08	1.81E-08	2.88E-08	5.07E-09	3.44E-09	1.31E-07	6.80E-08	2.89E-08	3.39E-08	1.33E-08	6.80E-08	2.89E-08
5122	484863.09	3864377.25	2.21E-04	2.27E-04	2.14E-04	7.66E-08	2.31E-07	1.34E-07	1.37E-07	1.24E-07	5.67E-08	5.35E-08	2.56E-09	6.18E-08	1.36E-08	1.86E-08	2.95E-08	5.21E-09	3.53E-09	1.35E-07	6.99E-08	2.96E-08	3.49E-08	1.37E-08	6.99E-08	2.96E-08
5123	485363.09	3864377.25	2.27E-04	2.33E-04	2.20E-04	7.87E-08	2.38E-07	1.38E-07	1.41E-07	1.28E-07	5.83E-08	5.50E-08	2.63E-09	6.35E-08	1.40E-08	1.91E-08	3.03E-08	5.35E-09	3.62E-09	1.39E-07	7.17E-08	3.04E-08	3.58E-08	1.41E-08	7.17E-08	3.04E-08
5124	485863.09	3864377.25	2.33E-04	2.39E-04	2.25E-04	8.07E-08	2.44E-07	1.41E-07	1.45E-07	1.31E-07	5.98E-08	5.64E-08	2.70E-09	6.51E-08	1.44E-08	1.96E-08	3.11E-08	5.49E-09	3.72E-09	1.42E-07	7.36E-08	3.12E-08	3.67E-08	1.44E-08	7.36E-08	3.12E-08
5125	486363.09	3864377.25	2.38E-04	2.43E-04	2.30E-04	8.23E-08	2.48E-07	1.44E-07	1.47E-07	1.33E-07	6.09E-08	5.75E-08	2.75E-09	6.63E-08	1.46E-08	2.00E-08	3.17E-08	5.59E-09	3.79E-09	1.45E-07	7.50E-08	3.18E-08	3.74E-08	1.47E-08	7.50E-08	3.18E-08
5126	486863.09	3864377.25	2.44E-04	2.49E-04	2.35E-04	8.43E-08	2.55E-07	1.47E-07	1.51E-07	1.37E-07	6.24E-08	5.89E-08	2.81E-09	6.80E-08	1.50E-08	2.05E-08	3.25E-08	5.73E-09	3.88E-09	1.48E-07	7.69E-08	3.26E-08	3.84E-08	1.51E-08	7.69E-08	3.26E-08
5127	487363.09	3864377.25	2.51E-04	2.57E-04	2.42E-04	8.69E-08	2.62E-07	1.52E-07	1.55E-07	1.41E-07	6.43E-08	6.07E-08	2.90E-09	7.01E-08	1.55E-08	2.11E-08	3.35E-08	5.90E-09	4.00E-09	1.53E-07	7.92E-08	3.36E-08	3.95E-08	1.55E-08	7.92E-08	3.36E-08
5128	487863.09	3864377.25	2.58E-04	2.65E-04	2.50E-04	8.94E-08	2.70E-07	1.56E-07	1.60E-07	1.45E-07	6.62E-08	6.24E-08	2.99E-09	7.21E-08	1.59E-08	2.17E-08	3.45E-08	6.08E-09	4.12E-09	1.57E-07	8.15E-08	3.46E-08	4.07E-08	1.60E-08	8.15E-08	3.46E-08
5129	488363.09	3864377.25	2.67E-04	2.74E-04	2.58E-04	9.25E-08	2.79E-07	1.62E-07	1.66E-07	1.50E-07	6.85E-08	6.46E-08	3.09E-09	7.46E-08	1.65E-08	2.25E-08	3.57E-08	6.28E-09	4.26E-09	1.63E-07	8.43E-08	3.58E-08	4.21E-08	1.65E-08	8.43E-08	3.58E-08
5130	488863.09	3864377.25	2.75E-04	2.81E-04	2.65E-04	9.50E-08	2.87E-07	1.66E-07	1.70E-07	1.54E-07	7.04E-08	6.64E-08	3.17E-09	7.66E-08	1.69E-08	2.31E-08	3.66E-08	6.46E-09	4.38E-09	1.67E-07	8.66E-08	3.68E-08	4.32E-08	1.70E-08	8.66E-08	3.68E-08
5131	489363.09	3864377.25	2.82E-04	2.89E-04	2.72E-04	9.76E-08	2.95E-07	1.71E-07	1.75E-07	1.58E-07	7.23E-08	6.82E-08	3.26E-09	7.87E-08	1.74E-08	2.37E-08	3.76E-08	6.63E-09	4.50E-09	1.72E-07	8.90E-08	3.77E-08	4.44E-08	1.74E-08	8.90E-08	3.77E-08
5132	489863.09	3864377.25	2.89E-04	2.96E-04	2.79E-04	1.00E-07	3.02E-07	1.75E-07	1.79E-07	1.63E-07	7.42E-08	6.99E-08	3.34E-09	8.08E-08	1.78E-08	2.43E-08	3.86E-08	6.80E-09	4.61E-09	1.76E-07	9.13E-08	3.87E-08	4.56E-08	1.79E-08	9.13E-08	3.87E-08
5133	490363.09	3864377.25	2.98E-04	3.05E-04	2.88E-04	1.03E-07	3.12E-07	1.80E-07	1.85E-07	1.67E-07	7.64E-08	7.21E-08	3.45E-09	8.32E-08	1.84E-08	2.51E-08	3.98E-08	7.01E-09	4.75E-09	1.82E-07	9.41E-08	3.99E-08	4.70E-08	1.85E-08	9.41E-08	3.99E-08
5134	490863.09	3864377.25	3.04E-04	3.11E-04	2.94E-04	1.05E-07	3.18E-07	1.84E-07	1.88E-07	1.71E-07	7.79E-08	7.35E-08	3.51E-09	8.49E-08	1.87E-08	2.56E-08	4.06E-08	7.15E-09	4.85E-09	1.85E-07	9.60E-08	4.07E-08	4.79E-08	1.88E-08	9.60E-08	4.07E-08
5135	491363.09	3864377.25	2.89E-04	2.96E-04	2.79E-04	1.00E-07	3.02E-07	1.75E-07	1.79E-07	1.63E-07	7.42E-08	6.99E-08	3.34E-09	8.08E-08	1.78E-08	2.43E-08	3.86E-08	6.80E-09	4.61E-09	1.76E-07	9.13E-08	3.87E-08	4.56E-08	1.79E-08	9.13E-08	3.87E-08
5136	491863.09	3864377.25	1.68E-04	1.72E-04	1.63E-04	5.82E-08	1.76E-07	1.02E-07	1.04E-07	9.45E-08	4.31E-08	4.07E-08	1.94E-09	4.70E-08	1.04E-08	1.42E-08	2.25E-08	3.96E-09	2.68E-09	1.03E-07	5.31E-08	2.25E-08	2.65E-08	1.04E-08	5.31E-08	2.25E-08
5137	492363.09	3864377.25	2.13E-04	2.18E-04	2.05E-04	7.36E-08	2.22E-07	1.29E-07	1.32E-07	1.19E-07	5.45E-08	5.14E-08	2.46E-09	5.93E-08	1.31E-08	1.79E-08	2.84E-08	5.00E-09	3.39E-09	1.30E-07	6.71E-08	2.85E-08	3.35E-08	1.32E-08	6.71E-08	2.85E-08
5138	492863.09	3864377.25	1.74E-04	1.78E-04	1.68E-04	6.03E-08	1.82E-07	1.05E-07	1.08E-07	9.78E-08	4.46E-08	4.21E-08	2.01E-09	4.86E-08	1.07E-08	1.47E-08	2.32E-08	4.10E-09	2.78E-09	1.06E-07	5.50E-08	2.33E-08	2.74E-08	1.08E-08	5.50E-08	2.33E-08
5139	493363.09	3864377.25	2.04E-04	2.09E-04	1.97E-04	7.05E-08	2.13E-07	1.23E-07	1.26E-07	1.14E-07	5.22E-08	4.92E-08	2.35E-09	5.69E-08	1.25E-08	1.71E-08	2.72E-08	4.79E-09	3.25E-09	1.24E-07	6.43E-08	2.73E-08	3.21E-08	1.26E-08	6.43E-08	2.73E-08
5140	493863.09	3864377.25	2.39E-04	2.45E-04	2.31E-04	8.28E-08	2.50E-07	1.45E-07	1.48E-07	1.34E-07	6.13E-08	5.78E-08	2.76E-09	6.68E-08	1.47E-08	2.01E-08	3.19E-08	5.62E-09	3.81E-09	1.46E-07	7.55E-08	3.20E-08	3.77E-08	1.48E-08	7.55E-08	3.20E-08
5141	494363.09	3864377.25	2.63E-04	2.69E-04	2.54E-04	9.09E-08	2.75E-07	1.59E-07	1.63E-07	1.48E-07	6.73E-08	6.35E-08	3.04E-09	7.34E-08	1.62E-08	2.21E-08	3.51E-08	6.18E-09	4.19E-09	1.60E-07	8.29E-08	3.52E-08	4.14E-08	1.63E-08	8.29E-08	3.52E-08
5142	494863.09	3864377.25	2.80E-04	2.87E-04	2.71E-04	9.71E-08	2.93E-07	1.70E-07	1.74E-07	1.58E-07	7.19E-08	6.78E-08	3.24E-09	7.83E-08	1.73E-08	2.36E-08	3.74E-08	6.60E-09	4.47E-09	1.71E-07	8.85E-08	3.76E-08	4.42E-08	1.74E-08	8.85E-08	3.76E-08
5143	495363.09	3864377.25	2.80E-04	2.87E-04	2.71E-04	9.71E-08	2.93E-07	1.70E-07	1.74E-07	1.58E-07	7.19E-08	6.78E-08	3.24E-09	7.83E-08	1.73E-08	2.36E-08	3.74E-08	6.60E-09	4.47E-09	1.71E-07	8.85E-08	3.76E-08	4.42E-08	1.74E-08	8.85E-08	3.76E-08
5144	495863.09	3864377.25	2.83E-04	2.90E-04	2.74E-04	9.81E-08	2.96E-07	1.71E-07	1.76E-07	1.59E-07	7.26E-08	6.85E-08	3.28E-09	7.91E-08	1.75E-08	2.38E-08	3.78E-08	6.67E-09	4.52E-09	1.73E-07	8.94E-08	3.79E-08	4.46E-08	1.75E-08	8.94E-08	3.79E-08
5145	496363.09	3864377.25	3.00E-04	3.07E-04	2.89E-04	1.04E-07	3.13E-07	1.81E-07	1.86E-07	1.68E-07	7.68E-08	7.24E-08	3.46E-09	8.37E-08	1.85E-08	2.52E-08	4.00E-08	7.05E-09	4.78E-09	1.83E-07	9.46E-08	4.01E-08	4.72E-08	1.85E-08	9.46E-08	4.01E-08
5146	496863.09	3864377.25	3.08E-04	3.16E-04	2.98E-04	1.07E-07	3.22E-07	1.87E-07	1.91E-07	1.73E-07	7.91E-08	7.46E-08	3.57E-09	8.61E-08	1.90E-08	2.60E-08	4.12E-08	7.26E-09	4.92E-09	1.88E-07	9.74E-08	4.13E-08	4.86E-08	1.91E-08	9.74E-08	4.13E-08
5147	497363.09	3864377.25	3.36E-04	3.45E-04	3.25E-04	1.16E-07	3.52E-07	2.04E-07	2.09E-07	1.89E-07	8.63E-08	8.14E-08	3.89E-09	9.40E-08	2.07E-08	2.83E-08	4.49E-08	7.92E-09	5.37E-09	2.05E-07	1.06E-07	4.51E-08	5.30E-08	2.08E-08	1.06E-07	4.51E-08
5148	497863.09	3864377.25	3.41E-04	3.49E-04	3.29E-04	1.18E-07	3.56E-07	2.06E-07	2.11E-07	1.92E-07	8.74E-08	8.24E-08	3.94E-09	9.52E-08	2.10E-08	2.87E-08	4.55E-08	8.02E-09	5.44E-09	2.08E-07	1.08E-07	4.57E-08	5.37E-08	2.11E-08	1.08E-07	4.57E-08
5149	498363.09	3864377.25	3.60E-04	3.69E-04	3.48E-04	1.25E-07	3.76E-07	2.18E-07	2.23E-07	2.02E-07	9.23E-08	8.71E-08	4.16E-09	1.01E-07	2.22E-08	3.03E-08	4.81E-08	8.47E-09	5.74E-09	2.19E-07	1.14E-07	4.82E-08	5.67E-08	2.23E-08	1.14E-07	4.82E-08
5150	471363.09	3864877.25	1.28E-04	1.32E-04	1.24E-04	4.44E-08	1.34E-07	7.77E-08	7.96E-08	7.21E-08	3.29E-08	3.10E-08	1.48E-09	3.59E-08	7.91E-09	1.08E-08	1.71E-08	3.02E-09	2.05E-09	7.83E-08	4.05E-08	1.72E-08	2.02E-08	7.95E-09	4.05E-08	1.72E-08
5151	471863.09	3864877.25	1.31E-04	1.35E-04	1.27E-04	4.55E-08	1.37E-07	7.95E-08	8.14E-08	7.38E-08	3.37E-08	3.18E-08	1.52E-09	3.67E-08	8.09E-09	1.11E-08	1.75E-08	3.09E-09	2.09E-09	8.01E-08	4.15E-08	1.76E-08	2.07E-08	8.13E-09	4.15E-08	1.76E-08
5152	472363.09	3864877.25	1.33E-04	1.36E-04	1.28E-04	4.60E-08	1.39E-07	8.04E-08	8.23E-08	7.46E-08	3.40E-08	3.21E-08	1.54E-09	3.71E-08	8.18E-09	1.12E-08	1.77E-08	3.12E-09	2.12E-09	8.10E-08	4.19E-08	1.78E-08	2.09E-08	8.22E-09	4.19E-08	1.78E-08

5153	472863.09	3864877.25	1.36E-04	1.39E-04	1.31E-04	4.70E-08	1.42E-07	8.22E-08	8.41E-08	7.63E-08	3.48E-08	3.28E-08	1.57E-09	3.79E-08	8.37E-09	1.14E-08	1.81E-08	3.19E-09	2.17E-09	8.28E-08	4.29E-08	1.82E-08	2.14E-08	8.40E-09	4.29E-08	1.82E-08
5154	473363.09	3864877.25	1.37E-04	1.41E-04	1.33E-04	4.75E-08	1.43E-07	8.30E-08	8.51E-08	7.71E-08	3.52E-08	3.32E-08	1.59E-09	3.83E-08	8.46E-09	1.15E-08	1.83E-08	3.23E-09	2.19E-09	8.37E-08	4.33E-08	1.84E-08	2.16E-08	8.49E-09	4.33E-08	1.84E-08
5155	473863.09	3864877.25	1.40E-04	1.44E-04	1.35E-04	4.85E-08	1.47E-07	8.48E-08	8.69E-08	7.88E-08	3.59E-08	3.39E-08	1.62E-09	3.91E-08	8.64E-09	1.18E-08	1.87E-08	3.30E-09	2.24E-09	8.55E-08	4.43E-08	1.88E-08	2.21E-08	8.68E-09	4.43E-08	1.88E-08
5156	474363.09	3864877.25	1.42E-04	1.45E-04	1.37E-04	4.90E-08	1.48E-07	8.57E-08	8.78E-08	7.96E-08	3.63E-08	3.43E-08	1.64E-09	3.96E-08	8.73E-09	1.19E-08	1.89E-08	3.33E-09	2.26E-09	8.64E-08	4.47E-08	1.90E-08	2.23E-08	8.77E-09	4.47E-08	1.90E-08
5157	474863.09	3864877.25	1.43E-04	1.47E-04	1.38E-04	4.96E-08	1.50E-07	8.66E-08	8.87E-08	8.04E-08	3.67E-08	3.46E-08	1.65E-09	4.00E-08	8.82E-09	1.20E-08	1.91E-08	3.37E-09	2.28E-09	8.73E-08	4.52E-08	1.92E-08	2.26E-08	8.86E-09	4.52E-08	1.92E-08
5158	475363.09	3864877.25	1.46E-04	1.50E-04	1.41E-04	5.06E-08	1.53E-07	8.84E-08	9.05E-08	8.21E-08	3.75E-08	3.53E-08	1.69E-09	4.08E-08	9.00E-09	1.23E-08	1.95E-08	3.44E-09	2.33E-09	8.91E-08	4.61E-08	1.96E-08	2.30E-08	9.04E-09	4.61E-08	1.96E-08
5159	475863.09	3864877.25	1.49E-04	1.53E-04	1.44E-04	5.16E-08	1.56E-07	9.02E-08	9.24E-08	8.37E-08	3.82E-08	3.60E-08	1.72E-09	4.16E-08	9.18E-09	1.25E-08	1.99E-08	3.51E-09	2.38E-09	9.09E-08	4.70E-08	2.00E-08	2.35E-08	9.23E-09	4.70E-08	2.00E-08
5160	476363.09	3864877.25	1.52E-04	1.56E-04	1.47E-04	5.26E-08	1.59E-07	9.20E-08	9.42E-08	8.54E-08	3.90E-08	3.68E-08	1.76E-09	4.24E-08	9.37E-09	1.28E-08	2.03E-08	3.58E-09	2.42E-09	9.27E-08	4.80E-08	2.04E-08	2.39E-08	9.41E-09	4.80E-08	2.04E-08
5161	476863.09	3864877.25	1.53E-04	1.57E-04	1.48E-04	5.31E-08	1.60E-07	9.29E-08	9.51E-08	8.62E-08	3.93E-08	3.71E-08	1.77E-09	4.29E-08	9.46E-09	1.29E-08	2.05E-08	3.61E-09	2.45E-09	9.36E-08	4.84E-08	2.06E-08	2.42E-08	9.50E-09	4.84E-08	2.06E-08
5162	477363.09	3864877.25	1.56E-04	1.60E-04	1.51E-04	5.42E-08	1.64E-07	9.47E-08	9.70E-08	8.79E-08	4.01E-08	3.78E-08	1.81E-09	4.37E-08	9.64E-09	1.32E-08	2.09E-08	3.68E-09	2.50E-09	9.53E-08	4.94E-08	2.09E-08	2.46E-08	9.68E-09	4.94E-08	2.09E-08
5163	477863.09	3864877.25	1.59E-04	1.63E-04	1.54E-04	5.52E-08	1.67E-07	9.64E-08	9.88E-08	8.95E-08	4.09E-08	3.85E-08	1.84E-09	4.45E-08	9.82E-09	1.34E-08	2.13E-08	3.75E-09	2.54E-09	9.71E-08	5.03E-08	2.13E-08	2.51E-08	9.86E-09	5.03E-08	2.13E-08
5164	478363.09	3864877.25	1.61E-04	1.65E-04	1.55E-04	5.57E-08	1.68E-07	9.73E-08	9.97E-08	9.04E-08	4.12E-08	3.89E-08	1.86E-09	4.49E-08	9.91E-09	1.35E-08	2.15E-08	3.78E-09	2.57E-09	9.80E-08	5.08E-08	2.15E-08	2.53E-08	9.96E-09	5.08E-08	2.15E-08
5165	478863.09	3864877.25	1.64E-04	1.68E-04	1.58E-04	5.67E-08	1.71E-07	9.91E-08	1.02E-07	9.20E-08	4.20E-08	3.96E-08	1.89E-09	4.57E-08	1.01E-08	1.38E-08	2.19E-08	3.85E-09	2.61E-09	9.98E-08	5.17E-08	2.19E-08	2.58E-08	1.01E-08	5.17E-08	2.19E-08
5166	479363.09	3864877.25	1.67E-04	1.71E-04	1.61E-04	5.77E-08	1.74E-07	1.01E-07	1.03E-07	9.37E-08	4.28E-08	4.03E-08	1.93E-09	4.66E-08	1.03E-08	1.40E-08	2.23E-08	3.92E-09	2.66E-09	1.02E-07	5.26E-08	2.23E-08	2.63E-08	1.03E-08	5.26E-08	2.23E-08
5167	479863.09	3864877.25	1.70E-04	1.74E-04	1.64E-04	5.88E-08	1.77E-07	1.03E-07	1.05E-07	9.53E-08	4.35E-08	4.10E-08	1.96E-09	4.74E-08	1.05E-08	1.43E-08	2.27E-08	3.99E-09	2.71E-09	1.03E-07	5.36E-08	2.27E-08	2.67E-08	1.05E-08	5.36E-08	2.27E-08
5168	480363.09	3864877.25	1.73E-04	1.77E-04	1.67E-04	5.98E-08	1.80E-07	1.04E-07	1.07E-07	9.70E-08	4.43E-08	4.18E-08	2.00E-09	4.82E-08	1.06E-08	1.45E-08	2.30E-08	4.06E-09	2.75E-09	1.05E-07	5.45E-08	2.31E-08	2.72E-08	1.07E-08	5.45E-08	2.31E-08
5169	480863.09	3864877.25	1.76E-04	1.80E-04	1.70E-04	6.08E-08	1.84E-07	1.06E-07	1.09E-07	9.87E-08	4.50E-08	4.25E-08	2.03E-09	4.90E-08	1.08E-08	1.48E-08	2.34E-08	4.13E-09	2.80E-09	1.07E-07	5.54E-08	2.35E-08	2.77E-08	1.09E-08	5.54E-08	2.35E-08
5170	481363.09	3864877.25	1.82E-04	1.86E-04	1.75E-04	6.28E-08	1.90E-07	1.10E-07	1.13E-07	1.02E-07	4.65E-08	4.39E-08	2.10E-09	5.07E-08	1.12E-08	1.53E-08	2.42E-08	4.27E-09	2.90E-09	1.11E-07	5.73E-08	2.43E-08	2.86E-08	1.12E-08	5.73E-08	2.43E-08
5171	481863.09	3864877.25	1.86E-04	1.90E-04	1.80E-04	6.44E-08	1.94E-07	1.13E-07	1.15E-07	1.04E-07	4.77E-08	4.50E-08	2.15E-09	5.19E-08	1.15E-08	1.56E-08	2.48E-08	4.37E-09	2.97E-09	1.13E-07	5.87E-08	2.49E-08	2.93E-08	1.15E-08	5.87E-08	2.49E-08
5172	482363.09	3864877.25	1.89E-04	1.93E-04	1.83E-04	6.54E-08	1.97E-07	1.14E-07	1.17E-07	1.06E-07	4.84E-08	4.57E-08	2.18E-09	5.27E-08	1.16E-08	1.59E-08	2.52E-08	4.44E-09	3.01E-09	1.15E-07	5.96E-08	2.53E-08	2.98E-08	1.17E-08	5.96E-08	2.53E-08
5173	482863.09	3864877.25	1.92E-04	1.97E-04	1.85E-04	6.64E-08	2.01E-07	1.16E-07	1.19E-07	1.08E-07	4.92E-08	4.64E-08	2.22E-09	5.36E-08	1.18E-08	1.61E-08	2.56E-08	4.51E-09	3.06E-09	1.17E-07	6.06E-08	2.57E-08	3.02E-08	1.19E-08	6.06E-08	2.57E-08
5174	483363.09	3864877.25	1.96E-04	2.01E-04	1.90E-04	6.79E-08	2.05E-07	1.19E-07	1.22E-07	1.10E-07	5.03E-08	4.75E-08	2.27E-09	5.48E-08	1.21E-08	1.65E-08	2.62E-08	4.62E-09	3.13E-09	1.20E-07	6.20E-08	2.63E-08	3.09E-08	1.21E-08	6.20E-08	2.63E-08
5175	483863.09	3864877.25	1.99E-04	2.04E-04	1.92E-04	6.90E-08	2.08E-07	1.21E-07	1.23E-07	1.12E-07	5.11E-08	4.82E-08	2.30E-09	5.56E-08	1.23E-08	1.68E-08	2.66E-08	4.69E-09	3.18E-09	1.21E-07	6.29E-08	2.67E-08	3.14E-08	1.23E-08	6.29E-08	2.67E-08
5176	484363.09	3864877.25	2.02E-04	2.07E-04	1.95E-04	7.00E-08	2.11E-07	1.22E-07	1.25E-07	1.14E-07	5.18E-08	4.89E-08	2.34E-09	5.65E-08	1.25E-08	1.70E-08	2.70E-08	4.76E-09	3.22E-09	1.23E-07	6.38E-08	2.71E-08	3.19E-08	1.25E-08	6.38E-08	2.71E-08
5177	484863.09	3864877.25	2.07E-04	2.12E-04	2.00E-04	7.15E-08	2.16E-07	1.25E-07	1.28E-07	1.16E-07	5.30E-08	5.00E-08	2.39E-09	5.77E-08	1.27E-08	1.74E-08	2.76E-08	4.86E-09	3.30E-09	1.26E-07	6.52E-08	2.77E-08	3.26E-08	1.28E-08	6.52E-08	2.77E-08
5178	485363.09	3864877.25	2.13E-04	2.18E-04	2.05E-04	7.36E-08	2.22E-07	1.29E-07	1.32E-07	1.19E-07	5.45E-08	5.14E-08	2.46E-09	5.93E-08	1.31E-08	1.79E-08	2.84E-08	5.00E-09	3.39E-09	1.30E-07	6.71E-08	2.85E-08	3.35E-08	1.32E-08	6.71E-08	2.85E-08
5179	485863.09	3864877.25	2.15E-04	2.21E-04	2.08E-04	7.46E-08	2.25E-07	1.30E-07	1.34E-07	1.21E-07	5.52E-08	5.21E-08	2.49E-09	6.02E-08	1.33E-08	1.81E-08	2.88E-08	5.07E-09	3.44E-09	1.31E-07	6.80E-08	2.89E-08	3.39E-08	1.33E-08	6.80E-08	2.89E-08
5180	486363.09	3864877.25	2.18E-04	2.24E-04	2.11E-04	7.56E-08	2.28E-07	1.32E-07	1.35E-07	1.23E-07	5.60E-08	5.28E-08	2.52E-09	6.10E-08	1.35E-08	1.84E-08	2.92E-08	5.14E-09	3.48E-09	1.33E-07	6.89E-08	2.93E-08	3.44E-08	1.35E-08	6.89E-08	2.93E-08
5181	486863.09	3864877.25	2.21E-04	2.27E-04	2.14E-04	7.66E-08	2.31E-07	1.34E-07	1.37E-07	1.24E-07	5.67E-08	5.35E-08	2.56E-09	6.18E-08	1.36E-08	1.86E-08	2.95E-08	5.21E-09	3.53E-09	1.35E-07	6.99E-08	2.96E-08	3.49E-08	1.37E-08	6.99E-08	2.96E-08
5182	487363.09	3864877.25	2.26E-04	2.31E-04	2.18E-04	7.82E-08	2.36E-07	1.37E-07	1.40E-07	1.27E-07	5.79E-08	5.46E-08	2.61E-09	6.31E-08	1.39E-08	1.90E-08	3.01E-08	5.31E-09	3.60E-09	1.38E-07	7.13E-08	3.02E-08	3.56E-08	1.40E-08	7.13E-08	3.02E-08
5183	487863.09	3864877.25	2.32E-04	2.37E-04	2.24E-04	8.02E-08	2.42E-07	1.40E-07	1.44E-07	1.30E-07	5.94E-08	5.60E-08	2.68E-09	6.47E-08	1.43E-08	1.95E-08	3.09E-08	5.45E-09	3.70E-09	1.41E-07	7.31E-08	3.10E-08	3.65E-08	1.43E-08	7.31E-08	3.10E-08
5184	488363.09	3864877.25	2.39E-04	2.45E-04	2.31E-04	8.28E-08	2.50E-07	1.45E-07	1.48E-07	1.34E-07	6.13E-08	5.78E-08	2.76E-09	6.68E-08	1.47E-08	2.01E-08	3.19E-08	5.62E-09	3.81E-09	1.46E-07	7.55E-08	3.20E-08	3.77E-08	1.48E-08	7.55E-08	3.20E-08
5185	488863.09	3864877.25	2.45E-04	2.51E-04	2.37E-04	8.48E-08	2.56E-07	1.48E-07	1.52E-07	1.38E-07	6.28E-08	5.92E-08	2.83E-09	6.84E-08	1.51E-08	2.06E-08	3.27E-08	5.76E-09	3.91E-09	1.49E-07	7.73E-08	3.28E-08	3.86E-08	1.52E-08	7.73E-08	3.28E-08
5186	489363.09	3864877.25	2.51E-04	2.57E-04	2.42E-04	8.69E-08	2.62E-07	1.52E-07	1.55E-07	1.41E-07	6.43E-08	6.07E-08	2.90E-09	7.01E-08	1.55E-08	2.11E-08	3.35E-08	5.90E-09	4.00E-09	1.53E-07	7.92E-08	3.36E-08	3.95E-08	1.55E-08	7.92E-08	3.36E-08
5187	489863.09	3864877.25	2.55E-04	2.62E-04	2.47E-04	8.84E-08	2.67E-07	1.54E-07	1.58E-07	1.43E-07	6.54E-08	6.17E-08	2.95E-09	7.13E-08	1.57E-08	2.15E-08	3.41E-08	6.01E-09	4.07E-09	1.56E-07	8.06E-08	3.42E-08	4.02E-08	1.58E-08	8.06E-08	3.42E-08
5188	490363.09	3864877.25	2.61E-04	2.68E-04	2.52E-04	9.04E-08	2.73E-07	1.58E-07	1.62E-07	1.47E-07	6.70E-08	6.32E-08	3.02E-09	7.29E-08	1.61E-08	2.20E-08	3.49E-08	6.15E-09	4.17E-09	1.59E-07	8.24E-08	3.50E-08	4.12E-08	1.62E-08	8.24E-08	3.50E-08
5189	490863.09	3864877.25	2.27E-04	2.33E-04	2.20E-04	7.87E-08	2.38E-07	1.38E-07	1.41E-07	1.28E-07	5.83E-08	5.50E-08	2.63E-09	6.35E-08	1.40E-08	1.91E-08	3.03E-08	5.35E-09	3.62E-09	1.39E-07	7.17E-08	3.04E-08	3.58E-08	1.41E-08	7.17E-08	3.04E-08
5190	491363.09	3864877.25	2.55E-04	2.62E-04	2.47E-04	8.84E-08	2.67E-07	1.54E-07	1.58E-07	1.43E-07	6.54E-08	6.17E-08	2.95E-09	7.13E-08	1.57E-08	2.15E-08	3.41E-08	6.01E-09	4.07E-09	1.56E-07	8.06E-08	3.42E-08	4.02E-08	1.58E-08	8.06E-08	3.42E-08
5191	491863.09	3864877.25	2.20E-04	2.25E-04	2.12E-04	7.61E-08	2.30E-07	1.33E-07	1.36E-07	1.24E-07	5.64E-08	5.32E-08	2.54E-09	6.14E-08	1.35E-08	1.85E-08	2.94E-08	5.17E-09	3.51E-09	1.34E-07	6.94E-08	2.94E-08	3.46E-08	1.36E-08	6.94E-08	2.94E-08
5192	492363.09	3864877.25	1.34E-04	1.38E-04	1.30E-04	4.65E-08	1.40E-07	8.13E-08	8.32E-08	7.54E-08	3.44E-08	3.25E-08	1.55E-09	3.75E-08	8.27E-09	1.13E-08	1.79E-08	3.16E-09	2.14E-09	8.19E-08	4.24E-08	1.80E-08	2.12E-08	8.31E-09	4.24E-08	1.80E-08
5193	492863.09	3864877.25	1.43E-04	1.47E-04	1.38E-04	4.96E-08	1.50E-07	8.66E-08	8.87E-08	8.04E-08	3.67E-08	3.46E-08	1.65E-09	4.00E-08	8.82E-09	1.20E-08	1.91E-08	3.37E-09	2.28E-09	8.73E-08	4.52E-08	1.92E-08	2.26E-08	8.86E-09	4.52E-08	1.92E-08
5194	493363.09	3864877.25	1.42E-04	1.45E-04	1.37E-04	4.90E-08	1.48E-07	8.57E-08	8.78E-08	7.96E-08	3.63E-08	3.43E-08	1.64E-09	3.96E-08	8.73E-09	1.19E-08	1.89E-08	3.33E-09	2.26E-09	8.64E-08	4.47E-08	1.90E-08	2.23E-08	8.77E-09	4.47E-08	1.90E-08
5195	493863.09	3864877.25	1.86E-04	1.90E-04	1.80E-04	6.44E-08	1.94E-07	1.13E-07	1.15E-07	1.04E-07	4.77E-08	4.50E-08	2.15E-09	5.19E-08	1.15E-08	1.56E-08	2.48E-08	4.37E-09	2.97E-09	1.13E-07	5.87E-08	2.49E-08	2.93E-08	1.15E-08	5.87E-08	2.49E-08
5196	494363.09	3864877.25	2.15E-04	2.21E-04	2.08E-04	7.46E-08	2.25E-07	1.30E-07	1.34E-07	1.21E-07	5.52E-08	5.21E-08	2.49E-09	6.02E-08	1.33E-08	1.81E-08	2.88E-08	5.07E-09	3.44E-09	1.31E-07	6.80E-08	2.89E-08	3.39E-08	1.33E-08	6.80E-08	2.89E-08
5197	494863.09	3864877.25	2.26E-04	2.31E-04	2.18E-04	7.82E-08	2.36E-07	1.37E-07	1.40E-07	1.27E-07	5.79E-08	5.46E-08	2.61E-09	6.31E-08	1.39E-08	1.90E-08	3.01E-08	5.31E-09	3.60E-09	1.38E-07	7.13E-08	3.02E-08	3.56E-08	1.40E-08	7.13E-08	3.02E-08
5198	495363.09	3864877.25	2.32E-04	2.37E-04	2.24E-04	8.02E-08	2.42E-07	1.40E-07	1.44E-07	1.30E-07	5.94E-08	5.60E-08	2.68E-09	6.47E-08	1.43E-08	1.95E-08	3.09E-08	5.45E-09	3.70E-09	1.41E-07	7.31E-08	3.10E-08	3.65E-08	1.43E-08	7.31E-08	3.10E-08
5199	495863.09	3864877.25	2.46E-04	2.52E-04	2.38E-04	8.53E-08	2.58E-07	1.49E-07	1.53E-07	1.38E-07	6.32E-08	5.96E-08	2.85E-09	6.88E-08	1.52E-08	2.07E-08	3.29E-08	5.80E-09	3.93E-09	1.50E-07	7.78E-08	3.30E-08	3.88E-08	1.53E-08	7.78E-08	3.30E-08
5200	496363.09	3864877.25	2.33E-04	2.39E-04	2.25E-04	8.07E-08	2.44E-07	1.41E-07	1.45E-07	1.31E-07	5.98E-08	5.64E-08	2.70E-09	6.51E-08	1.44E-08	1.96E-08	3.11E-08	5.49E-09	3.72E-09	1.42E-07	7.36E-08	3.12E-08	3.67E-08	1.44E-08	7.36E-08	3.12E-08
5201	496863.09	3864877.25	2.39E-04	2.45E-04	2.31E-04	8.28E-08	2.50E-07	1.45E-07	1.48E-07	1.34E-07	6.13E-08	5.78E-08	2.76E-09	6.68E-08	1.47E-08	2.01E-08	3.19E-08	5.62E-09	3.81E-09	1.46E-07	7.55E-08	3.20E-08	3.77E-08	1.48E-08	7.55E-08	3.20E-08
5202	497363.09	3864877.25	2.48E-04	2.54E-04	2.40E-04	8.58E-08	2.59E-07	1.50E-07	1.54E-07	1.39E-07	6.36E-08	6.00E-08	2.87E-09	6.92E-08	1.53E-08	2.09E-08	3.31E-08	5.83E-09	3.95E-09	1.51E-07	7.83E-08	3.32E-08	3.91E-08	1.53E-08	7.83E-08	3.32E-08
5203	497863.09	3864877.25	2.58E-04	2.65E-04	2.50E-04	8.94E-08	2.70E-07	1.56E-07	1.60E-07	1.45E-07	6.62E-08	6.24E-08	2.99E-09	7.21E-08	1.59E-08	2.17E-08	3.45E-08	6.08E-09	4.12E-09	1.57E-07	8.15E-08	3.46E-08	4.07E-08	1.60E-08	8.15E-08	3.46E-08
5204	498363.09	3864877.25	2.79E-04	2.86E-04	2.69E-04	9.66E-08	2.92E-07	1.69E-07	1.73E-07	1.57E-07	7.15E-08	6.74E-08	3.22E-09	7.79E-08	1.72E-08	2.35E-08	3.72E-08	6.56E-09	4.45E-09	1.70E-07	8.80E-08	3.74E-08	4.39E-08	1.73E-08	8.80E-08	3.74E-08
5205	471363.09	3865377.25	1.25E-04	1.28E-04	1.21E-04	4.34E-08	1.31E-07	7.59E-08	7.77E-08	7.05E-08	3.22E-08	3.03E-08	1.45E-09	3.50E-08	7.73E-09	1.06E-08	1.67E-08	2.95E-09	2.00E-09	7.65E-08	3.96E-08	1.68E-08	1.98E-08	7.76E-09	3.96E-08	1.68E-08
5206	471863.09	3865377.25	1.27E-04	1.30E-04	1.23E-04	4.39E-08	1.33E-07	7.68E-08	7.87E-08	7.13E-08	3.25E-08	3.07E-08	1.47E-09	3.54E-08	7.82E-09	1.07E-08	1.69E-08	2.99E-09	2.02E-09	7.74E-08	4.01E-08	1.70E-08	2.00E-08	7.86E-09	4.01E-08	1.70E-08
5207	472363.09	3865377.25	1.28E-04	1.32E-04	1.24E-04	4.44E-08	1.34E-07	7.77E-08	7.96E-08	7.21E-08	3.29E-08	3.10E-08	1.48E-09	3.59E-08	7.91E-09	1.08E-08	1.71E-08	3.02E-09	2.05E-09	7.83E-08	4.05E-08	1.72E-08	2.02E-08	7.95E-09	4.05E-08	1.72E-08
5208	472863.09	3865377.25	1.31E-04	1.35E-04	1.27E-04	4.55E-08	1.37E-07	7.95E-08	8.14E-08	7.38E-08	3.37E-08	3.18E-08	1.52E-09	3.67E-08	8.09E-09	1.11E-08	1.75E-08	3.09E-09	2.09E-09	8.01E-08	4.15E-08	1.76E-08	2.07E-08	8.13E-09	4.15E-08	1.76E-08
5209	473363.09	3865377.25	1.33E-04	1.36E-04	1.28E-04	4.60E-08	1.39E-07	8.04E-08	8.23E-08	7.46E-08	3.40E-08	3.21E-08	1.54E-09	3.71E-08	8.18E-09	1.12E-08	1.77E-08	3.12E-09	2.12E-09	8.10E-08	4.19E-08	1.78E-08	2.09E-08	8.22E-09	4.19E-08	1.78E-08
5210	473863.09	3865377.25	1.34E-04	1.38E-04	1.30E-04	4.65E-08	1.40E-07	8.13E-08	8.32E-08	7.54E-08	3.44E-08	3.25E-08	1.55E-09	3.75E-08	8.27E-09	1.13E-08	1.79E-08	3.16E-09	2.14E-09	8.19E-08	4.24E-08	1.80E-08	2.12E-08	8.31E-09	4.24E-08	1.80E-08
5211	474363.09	3865377.25	1.37E-04	1.41E-04	1.33E-04	4.75E-08	1.43E-07	8.30E-08	8.51E-08	7.71E-08	3.52E-08	3.32E-08	1.59E-09	3.83E-08	8.46E-09	1.15E-08	1.83E-08	3.23E-09	2.19E-09	8.37E-08	4.33E-08	1.84E-08	2.16E-08	8.49E-09	4.33E-08	1.84E-08
5212	474863.09	3865377.25	1.39E-04	1.42E-04	1.34E-04	4.80E-08	1.45E-07	8.39E-08	8.60E-08	7.79E-08	3.56E-08	3.35E-08	1.60E-09	3.87E-08	8.55E-09	1.17E-08	1.85E-08	3.26E-09	2.21E-09	8.46E-08	4.38E-08	1.86E-08	2.19E-08	8.59E-09	4.38E-08	1.86E-08
5213	475363.09	3865377.25	1.42E-04	1.45E-04	1.37E-04	4.90E-08	1.48E-07	8.57E-08	8.78E-08	7.96E-08	3.63E-08	3.43E-08	1.64E-09	3.96E-08	8.73E-09	1.19E-08	1.89E-08	3.33E-09	2.26E-09	8.64E-08	4.47E-08	1.90E-08	2.23E-08	8.77E-09	4.47E-08	1.90E-08
5214	475863.09	3865377.25	1.43E-04	1.47E-04	1.38E-04	4.96E-08	1.50E-07	8.66E-08	8.87E-08	8.04E-08	3.67E-08	3.46E-08	1.65E-09	4.00E-08	8.82E-09	1.20E-08	1.91E-08	3.37E-09	2.28E-09	8.73E-08	4.52E-08	1.92E-08	2.26E-08	8.86E-09	4.52E-08	1.92E-08
5215	476363.09	3865377.25	1.46E-04	1.50E-04	1.41E-04	5.06E-08	1.53E-07	8.84E-08	9.05E-08	8.21E-08	3.75E-08	3.53E-08	1.69E-09	4.08E-08	9.00E-09	1.23E-08	1.95E-08	3.44E-09	2.33E-09	8.91E-08	4.61E-08	1.96E-08	2.30E-08	9.04E-09	4.61E-08	1.96E-08
5216	476863.09	3865377.25	1.42E-04	1.45E-04	1.37E-04	4.90E-08	1.48E-07	8.57E-08	8.78E-08	7.96E-08	3.63E-08	3.43E-08	1.64E-09	3.96E-08	8.73E-09	1.19E-08	1.89E-08	3.33E-09	2.26E-09	8.64E-08	4.47E-08	1.90E-08	2.23E-08	8.77E-09	4.47E-08	1.90E-08
5217	477363.09	3865377.25	1.51E-04	1.54E-04	1.45E-04	5.21E-08	1.57E-07	9.11E-08	9.33E-08	8.46E-08	3.86E-08	3.64E-08	1.74E-09	4.20E-08	9.28E-09	1.27E-08	2.01E-08	3.54E-09	2.40E-09	9.18E-08	4.75E-08	2.02E-08	2.37E-08	9.32E-09	4.75E-08	2.02E-08
5218	477863.09	3865377.25	1.53E-04	1.57E-04	1.48E-04	5.31E-08	1.60E-07	9.29E-08	9.51E-08	8.62E-08	3.93E-08	3.71E-08	1.77E-09	4.29E-08	9.46E-09	1.29E-08	2.05E-08	3.61E-09	2.45E-09	9.36E-08	4.84E-08	2.06E-08	2.42E-08	9.50E-09	4.84E-08	2.06E-08
5219	478363.09	3865377.25	1.55E-04	1.59E-04	1.50E-04	5.36E-08	1.62E-07	9.38E-08	9.60E-08	8.71E-08	3.97E-08	3.75E-08	1.79E-09	4.33E-08	9.55E-09	1.30E-08	2.07E-08	3.65E-09	2.47E-09	9.44E-08	4.89E-08	2.08E-08	2.44E-08	9.59E-09	4.89E-08	2.08E-08
5220	478863.09	3865377.25	1.58E-04	1.62E-04	1.53E-04	5.47E-08	1.65E-07	9.56E-08	9.79E-08	8.87E-08	4.05E-08	3.82E-08	1.83E-09	4.41E-08	9.73E-09	1.33E-08	2.11E-08	3.71E-09	2.52E-09	9.62E-08	4.98E-08	2.11E-08	2.49E-08	9.77E-09	4.98E-08	2.11E-08
5221	479363.09	3865377.25	1.59E-04	1.63E-04	1.54E-04	5.52E-08	1.67E-07	9.64E-08	9.88E-08	8.95E-08	4.09E-08	3.85E-08	1.84E-09	4.45E-08	9.82E-09	1.34E-08	2.13E-08	3.75E-09	2.54E-09	9.71E-08	5.03E-08	2.13E-08	2.51E-08	9.86E-09	5.03E-08	2.13E-08
5222	479863.09	3865377.25	1.62E-04	1.66E-04	1.57E-04	5.62E-08	1.70E-07	9.82E-08	1.01E-07	9.12E-08	4.16E-08	3.93E-08	1.88E-09	4.53E-08	1.00E-08	1.37E-08	2.17E-08	3.82E-09	2.59E-09	9.89E-08	5.12E-08	2.17E-08	2.56E-08	1.00E-08	5.12E-08	2.17E-08
5223	480363.09	3865377.25	1.65E-04	1.69E-04	1.60E-04	5.72E-08	1.73E-07	1.00E-07	1.02E-07	9.29E-08	4.24E-08	4.00E-08	1.91E-09	4.62E-08	1.02E-08	1.39E-08	2.21E-08	3.89E-09	2.64E-09	1.01E-07	5.22E-08	2.21E-08	2.60E-08	1.02E-08	5.22E-08	2.21E-08
5224	480863.09	3865377.25	1.68E-04	1.72E-04	1.63E-04	5.82E-08	1.76E-07	1.02E-07	1.04E-07	9.45E-08	4.31E-08	4.07E-08	1.94E-09	4.70E-08	1.04E-08	1.42E-08	2.25E-08	3.96E-09	2.68E-09	1.03E-07	5.31E-08	2.25E-08	2.65E-08	1.04E-08	5.31E-08	2.25E-08
5225	481363.09	3865377.25	1.73E-04	1.77E-04	1.67E-04	5.98E-08	1.80E-07	1.04E-07	1.07E-07	9.70E-08	4.43E-08	4.18E-08	2.00E-09	4.82E-08	1.06E-08	1.45E-08	2.30E-08	4.06E-09	2.75E-09	1.05E-07	5.45E-08	2.31E-08	2.72E-08	1.07E-08	5.45E-08	2.31E-08
5226	481863.09	3865377.25	1.76E-04	1.80E-04	1.70E-04	6.08E-08	1.84E-07	1.06E-07	1.09E-07	9.87E-08	4.50E-08	4.25E-08	2.03E-09	4.90E-08	1.08E-08	1.48E-08	2.34E-08	4.13E-09	2.80E-09	1.07E-07	5.54E-08	2.35E-08	2.77E-08	1.09E-08	5.54E-08	2.35E-08
5227	482363.09	3865377.25	1.77E-04	1.81E-04	1.71E-04	6.13E-08	1.85E-07	1.07E-07	1.10E-07	9.95E-08	4.54E-08	4.28E-08	2.05E-09	4.95E-08	1.09E-08	1.49E-08	2.36E-08	4.17E-09	2.82E-09	1.08E-07	5.59E-08	2.37E-08	2.79E-08	1.10E-08	5.59E-08	2.37E-08
5228	482863.09	3865377.25	1.80E-04	1.84E-04	1.74E-04	6.23E-08	1.88E-07	1.09E-07	1.12E-07	1.01E-07	4.62E-08	4.35E-08	2.08E-09	5.03E-08	1.11E-08	1.52E-08	2.40E-08	4.24E-09	2.87E-09	1.10E-07	5.68E-08	2.41E-08	2.84E-08	1.11E-08	5.68E-08	2.41E-08
5229	483363.09	3865377.25	1.83E-04	1.87E-04	1.77E-04	6.34E-08	1.91E-07	1.11E-07	1.13E-07	1.03E-07	4.69E-08	4.42E-08	2.12E-09	5.11E-08	1.13E-08	1.54E-08	2.44E-08	4.31E-09	2.92E-09	1.12E-07	5.78E-08	2.45E-08	2.88E-08	1.13E-08	5.78E-08	2.45E-08

5230	483863.09	3865377.25	1.86E-04	1.90E-04	1.80E-04	6.44E-08	1.94E-07	1.13E-07	1.15E-07	1.04E-07	4.77E-08	4.50E-08	2.15E-09	5.19E-08	1.15E-08	1.56E-08	2.48E-08	4.37E-09	2.97E-09	1.13E-07	5.87E-08	2.49E-08	2.93E-08	1.15E-08	5.87E-08	2.49E-08
5231	484363.09	3865377.25	1.87E-04	1.92E-04	1.81E-04	6.49E-08	1.96E-07	1.13E-07	1.16E-07	1.05E-07	4.80E-08	4.53E-08	2.17E-09	5.23E-08	1.15E-08	1.58E-08	2.50E-08	4.41E-09	2.99E-09	1.14E-07	5.92E-08	2.51E-08	2.95E-08	1.16E-08	5.92E-08	2.51E-08
5232	484863.09	3865377.25	1.92E-04	1.97E-04	1.85E-04	6.64E-08	2.01E-07	1.16E-07	1.19E-07	1.08E-07	4.92E-08	4.64E-08	2.22E-09	5.36E-08	1.18E-08	1.61E-08	2.56E-08	4.51E-09	3.06E-09	1.17E-07	6.06E-08	2.57E-08	3.02E-08	1.19E-08	6.06E-08	2.57E-08
5233	485363.09	3865377.25	1.95E-04	2.00E-04	1.88E-04	6.74E-08	2.04E-07	1.18E-07	1.21E-07	1.09E-07	4.99E-08	4.71E-08	2.25E-09	5.44E-08	1.20E-08	1.64E-08	2.60E-08	4.58E-09	3.11E-09	1.19E-07	6.15E-08	2.61E-08	3.07E-08	1.21E-08	6.15E-08	2.61E-08
5234	485863.09	3865377.25	1.99E-04	2.04E-04	1.92E-04	6.90E-08	2.08E-07	1.21E-07	1.23E-07	1.12E-07	5.11E-08	4.82E-08	2.30E-09	5.56E-08	1.23E-08	1.68E-08	2.66E-08	4.69E-09	3.18E-09	1.21E-07	6.29E-08	2.67E-08	3.14E-08	1.23E-08	6.29E-08	2.67E-08
5235	486363.09	3865377.25	2.01E-04	2.06E-04	1.94E-04	6.95E-08	2.10E-07	1.21E-07	1.24E-07	1.13E-07	5.15E-08	4.85E-08	2.32E-09	5.60E-08	1.24E-08	1.69E-08	2.68E-08	4.72E-09	3.20E-09	1.22E-07	6.34E-08	2.69E-08	3.16E-08	1.24E-08	6.34E-08	2.69E-08
5236	486863.09	3865377.25	2.04E-04	2.09E-04	1.97E-04	7.05E-08	2.13E-07	1.23E-07	1.26E-07	1.14E-07	5.22E-08	4.92E-08	2.35E-09	5.69E-08	1.25E-08	1.71E-08	2.72E-08	4.79E-09	3.25E-09	1.24E-07	6.43E-08	2.73E-08	3.21E-08	1.26E-08	6.43E-08	2.73E-08
5237	487363.09	3865377.25	2.07E-04	2.12E-04	2.00E-04	7.15E-08	2.16E-07	1.25E-07	1.28E-07	1.16E-07	5.30E-08	5.00E-08	2.39E-09	5.77E-08	1.27E-08	1.74E-08	2.76E-08	4.86E-09	3.30E-09	1.26E-07	6.52E-08	2.77E-08	3.26E-08	1.28E-08	6.52E-08	2.77E-08
5238	487863.09	3865377.25	2.10E-04	2.15E-04	2.02E-04	7.25E-08	2.19E-07	1.27E-07	1.30E-07	1.18E-07	5.37E-08	5.07E-08	2.42E-09	5.85E-08	1.29E-08	1.76E-08	2.80E-08	4.93E-09	3.34E-09	1.28E-07	6.61E-08	2.81E-08	3.30E-08	1.30E-08	6.61E-08	2.81E-08
5239	488363.09	3865377.25	2.14E-04	2.19E-04	2.07E-04	7.41E-08	2.24E-07	1.29E-07	1.33E-07	1.20E-07	5.49E-08	5.17E-08	2.47E-09	5.98E-08	1.32E-08	1.80E-08	2.86E-08	5.03E-09	3.41E-09	1.30E-07	6.75E-08	2.87E-08	3.37E-08	1.32E-08	6.75E-08	2.87E-08
5240	488863.09	3865377.25	2.21E-04	2.27E-04	2.14E-04	7.66E-08	2.31E-07	1.34E-07	1.37E-07	1.24E-07	5.67E-08	5.35E-08	2.56E-09	6.18E-08	1.36E-08	1.86E-08	2.95E-08	5.21E-09	3.53E-09	1.35E-07	6.99E-08	2.96E-08	3.49E-08	1.37E-08	6.99E-08	2.96E-08
5241	489363.09	3865377.25	2.27E-04	2.33E-04	2.20E-04	7.87E-08	2.38E-07	1.38E-07	1.41E-07	1.28E-07	5.83E-08	5.50E-08	2.63E-09	6.35E-08	1.40E-08	1.91E-08	3.03E-08	5.35E-09	3.62E-09	1.39E-07	7.17E-08	3.04E-08	3.58E-08	1.41E-08	7.17E-08	3.04E-08
5242	489863.09	3865377.25	2.32E-04	2.37E-04	2.24E-04	8.02E-08	2.42E-07	1.40E-07	1.44E-07	1.30E-07	5.94E-08	5.60E-08	2.68E-09	6.47E-08	1.43E-08	1.95E-08	3.09E-08	5.45E-09	3.70E-09	1.41E-07	7.31E-08	3.10E-08	3.65E-08	1.43E-08	7.31E-08	3.10E-08
5243	490363.09	3865377.25	2.08E-04	2.13E-04	2.01E-04	7.20E-08	2.18E-07	1.26E-07	1.29E-07	1.17E-07	5.33E-08	5.03E-08	2.41E-09	5.81E-08	1.28E-08	1.75E-08	2.78E-08	4.90E-09	3.32E-09	1.27E-07	6.57E-08	2.79E-08	3.28E-08	1.29E-08	6.57E-08	2.79E-08
5244	490863.09	3865377.25	2.02E-04	2.07E-04	1.95E-04	7.00E-08	2.11E-07	1.22E-07	1.25E-07	1.14E-07	5.18E-08	4.89E-08	2.34E-09	5.65E-08	1.25E-08	1.70E-08	2.70E-08	4.76E-09	3.22E-09	1.23E-07	6.38E-08	2.71E-08	3.19E-08	1.25E-08	6.38E-08	2.71E-08
5245	491363.09	3865377.25	1.98E-04	2.03E-04	1.91E-04	6.85E-08	2.07E-07	1.20E-07	1.23E-07	1.11E-07	5.07E-08	4.78E-08	2.29E-09	5.52E-08	1.22E-08	1.66E-08	2.64E-08	4.65E-09	3.15E-09	1.21E-07	6.24E-08	2.65E-08	3.12E-08	1.22E-08	6.24E-08	2.65E-08
5246	491863.09	3865377.25	1.98E-04	2.03E-04	1.91E-04	6.85E-08	2.07E-07	1.20E-07	1.23E-07	1.11E-07	5.07E-08	4.78E-08	2.29E-09	5.52E-08	1.22E-08	1.66E-08	2.64E-08	4.65E-09	3.15E-09	1.21E-07	6.24E-08	2.65E-08	3.12E-08	1.22E-08	6.24E-08	2.65E-08
5247	492363.09	3865377.25	1.67E-04	1.71E-04	1.61E-04	5.77E-08	1.74E-07	1.01E-07	1.03E-07	9.37E-08	4.28E-08	4.03E-08	1.93E-09	4.66E-08	1.03E-08	1.40E-08	2.23E-08	3.92E-09	2.66E-09	1.02E-07	5.26E-08	2.23E-08	2.63E-08	1.03E-08	5.26E-08	2.23E-08
5248	492863.09	3865377.25	1.40E-04	1.44E-04	1.35E-04	4.85E-08	1.47E-07	8.48E-08	8.69E-08	7.88E-08	3.59E-08	3.39E-08	1.62E-09	3.91E-08	8.64E-09	1.18E-08	1.87E-08	3.30E-09	2.24E-09	8.55E-08	4.43E-08	1.88E-08	2.21E-08	8.68E-09	4.43E-08	1.88E-08
5249	493363.09	3865377.25	1.28E-04	1.32E-04	1.24E-04	4.44E-08	1.34E-07	7.77E-08	7.96E-08	7.21E-08	3.29E-08	3.10E-08	1.48E-09	3.59E-08	7.91E-09	1.08E-08	1.71E-08	3.02E-09	2.05E-09	7.83E-08	4.05E-08	1.72E-08	2.02E-08	7.95E-09	4.05E-08	1.72E-08
5250	493863.09	3865377.25	1.45E-04	1.48E-04	1.40E-04	5.01E-08	1.51E-07	8.75E-08	8.96E-08	8.13E-08	3.71E-08	3.50E-08	1.67E-09	4.04E-08	8.91E-09	1.22E-08	1.93E-08	3.40E-09	2.31E-09	8.82E-08	4.56E-08	1.94E-08	2.28E-08	8.95E-09	4.56E-08	1.94E-08
5251	494363.09	3865377.25	1.67E-04	1.71E-04	1.61E-04	5.77E-08	1.74E-07	1.01E-07	1.03E-07	9.37E-08	4.28E-08	4.03E-08	1.93E-09	4.66E-08	1.03E-08	1.40E-08	2.23E-08	3.92E-09	2.66E-09	1.02E-07	5.26E-08	2.23E-08	2.63E-08	1.03E-08	5.26E-08	2.23E-08
5252	494863.09	3865377.25	1.84E-04	1.89E-04	1.78E-04	6.39E-08	1.93E-07	1.12E-07	1.14E-07	1.04E-07	4.73E-08	4.46E-08	2.13E-09	5.15E-08	1.14E-08	1.55E-08	2.46E-08	4.34E-09	2.94E-09	1.12E-07	5.82E-08	2.47E-08	2.91E-08	1.14E-08	5.82E-08	2.47E-08
5253	495363.09	3865377.25	1.93E-04	1.98E-04	1.87E-04	6.69E-08	2.02E-07	1.17E-07	1.20E-07	1.09E-07	4.96E-08	4.67E-08	2.23E-09	5.40E-08	1.19E-08	1.63E-08	2.58E-08	4.55E-09	3.08E-09	1.18E-07	6.10E-08	2.59E-08	3.05E-08	1.20E-08	6.10E-08	2.59E-08
5254	495863.09	3865377.25	2.05E-04	2.10E-04	1.98E-04	7.10E-08	2.14E-07	1.24E-07	1.27E-07	1.15E-07	5.26E-08	4.96E-08	2.37E-09	5.73E-08	1.26E-08	1.73E-08	2.74E-08	4.83E-09	3.27E-09	1.25E-07	6.47E-08	2.75E-08	3.23E-08	1.27E-08	6.47E-08	2.75E-08
5255	496363.09	3865377.25	1.90E-04	1.95E-04	1.84E-04	6.59E-08	1.99E-07	1.15E-07	1.18E-07	1.07E-07	4.88E-08	4.60E-08	2.20E-09	5.32E-08	1.17E-08	1.60E-08	2.54E-08	4.48E-09	3.04E-09	1.16E-07	6.01E-08	2.55E-08	3.00E-08	1.18E-08	6.01E-08	2.55E-08
5256	496863.09	3865377.25	1.84E-04	1.89E-04	1.78E-04	6.39E-08	1.93E-07	1.12E-07	1.14E-07	1.04E-07	4.73E-08	4.46E-08	2.13E-09	5.15E-08	1.14E-08	1.55E-08	2.46E-08	4.34E-09	2.94E-09	1.12E-07	5.82E-08	2.47E-08	2.91E-08	1.14E-08	5.82E-08	2.47E-08
5257	497363.09	3865377.25	2.04E-04	2.09E-04	1.97E-04	7.05E-08	2.13E-07	1.23E-07	1.26E-07	1.14E-07	5.22E-08	4.92E-08	2.35E-09	5.69E-08	1.25E-08	1.71E-08	2.72E-08	4.79E-09	3.25E-09	1.24E-07	6.43E-08	2.73E-08	3.21E-08	1.26E-08	6.43E-08	2.73E-08
5258	497863.09	3865377.25	2.10E-04	2.15E-04	2.02E-04	7.25E-08	2.19E-07	1.27E-07	1.30E-07	1.18E-07	5.37E-08	5.07E-08	2.42E-09	5.85E-08	1.29E-08	1.76E-08	2.80E-08	4.93E-09	3.34E-09	1.28E-07	6.61E-08	2.81E-08	3.30E-08	1.30E-08	6.61E-08	2.81E-08
5259	498363.09	3865377.25	2.05E-04	2.10E-04	1.98E-04	7.10E-08	2.14E-07	1.24E-07	1.27E-07	1.15E-07	5.26E-08	4.96E-08	2.37E-09	5.73E-08	1.26E-08	1.73E-08	2.74E-08	4.83E-09	3.27E-09	1.25E-07	6.47E-08	2.75E-08	3.23E-08	1.27E-08	6.47E-08	2.75E-08
5260	471363.09	3865877.25	1.21E-04	1.24E-04	1.17E-04	4.19E-08	1.26E-07	7.32E-08	7.50E-08	6.80E-08	3.10E-08	2.93E-08	1.40E-09	3.38E-08	7.46E-09	1.02E-08	1.62E-08	2.85E-09	1.93E-09	7.38E-08	3.82E-08	1.62E-08	1.91E-08	7.49E-09	3.82E-08	1.62E-08
5261	471863.09	3865877.25	1.24E-04	1.27E-04	1.20E-04	4.29E-08	1.30E-07	7.50E-08	7.68E-08	6.96E-08	3.18E-08	3.00E-08	1.43E-09	3.46E-08	7.64E-09	1.04E-08	1.65E-08	2.92E-09	1.98E-09	7.56E-08	3.91E-08	1.66E-08	1.95E-08	7.67E-09	3.91E-08	1.66E-08
5262	472363.09	3865877.25	1.25E-04	1.28E-04	1.21E-04	4.34E-08	1.31E-07	7.59E-08	7.77E-08	7.05E-08	3.22E-08	3.03E-08	1.45E-09	3.50E-08	7.73E-09	1.06E-08	1.67E-08	2.95E-09	2.00E-09	7.65E-08	3.96E-08	1.68E-08	1.98E-08	7.76E-09	3.96E-08	1.68E-08
5263	472863.09	3865877.25	1.27E-04	1.30E-04	1.23E-04	4.39E-08	1.33E-07	7.68E-08	7.87E-08	7.13E-08	3.25E-08	3.07E-08	1.47E-09	3.54E-08	7.82E-09	1.07E-08	1.69E-08	2.99E-09	2.02E-09	7.74E-08	4.01E-08	1.70E-08	2.00E-08	7.86E-09	4.01E-08	1.70E-08
5264	473363.09	3865877.25	1.28E-04	1.32E-04	1.24E-04	4.44E-08	1.34E-07	7.77E-08	7.96E-08	7.21E-08	3.29E-08	3.10E-08	1.48E-09	3.59E-08	7.91E-09	1.08E-08	1.71E-08	3.02E-09	2.05E-09	7.83E-08	4.05E-08	1.72E-08	2.02E-08	7.95E-09	4.05E-08	1.72E-08
5265	473863.09	3865877.25	1.31E-04	1.35E-04	1.27E-04	4.55E-08	1.37E-07	7.95E-08	8.14E-08	7.38E-08	3.37E-08	3.18E-08	1.52E-09	3.67E-08	8.09E-09	1.11E-08	1.75E-08	3.09E-09	2.09E-09	8.01E-08	4.15E-08	1.76E-08	2.07E-08	8.13E-09	4.15E-08	1.76E-08
5266	474363.09	3865877.25	1.33E-04	1.36E-04	1.28E-04	4.60E-08	1.39E-07	8.04E-08	8.23E-08	7.46E-08	3.40E-08	3.21E-08	1.54E-09	3.71E-08	8.18E-09	1.12E-08	1.77E-08	3.12E-09	2.12E-09	8.10E-08	4.19E-08	1.78E-08	2.09E-08	8.22E-09	4.19E-08	1.78E-08
5267	474863.09	3865877.25	1.36E-04	1.39E-04	1.31E-04	4.70E-08	1.42E-07	8.22E-08	8.41E-08	7.63E-08	3.48E-08	3.28E-08	1.57E-09	3.79E-08	8.37E-09	1.14E-08	1.81E-08	3.19E-09	2.17E-09	8.28E-08	4.29E-08	1.82E-08	2.14E-08	8.40E-09	4.29E-08	1.82E-08
5268	475363.09	3865877.25	1.37E-04	1.41E-04	1.33E-04	4.75E-08	1.43E-07	8.30E-08	8.51E-08	7.71E-08	3.52E-08	3.32E-08	1.59E-09	3.83E-08	8.46E-09	1.15E-08	1.83E-08	3.23E-09	2.19E-09	8.37E-08	4.33E-08	1.84E-08	2.16E-08	8.49E-09	4.33E-08	1.84E-08
5269	475863.09	3865877.25	1.40E-04	1.44E-04	1.35E-04	4.85E-08	1.47E-07	8.48E-08	8.69E-08	7.88E-08	3.59E-08	3.39E-08	1.62E-09	3.91E-08	8.64E-09	1.18E-08	1.87E-08	3.30E-09	2.24E-09	8.55E-08	4.43E-08	1.88E-08	2.21E-08	8.68E-09	4.43E-08	1.88E-08
5270	476363.09	3865877.25	1.40E-04	1.44E-04	1.35E-04	4.85E-08	1.47E-07	8.48E-08	8.69E-08	7.88E-08	3.59E-08	3.39E-08	1.62E-09	3.91E-08	8.64E-09	1.18E-08	1.87E-08	3.30E-09	2.24E-09	8.55E-08	4.43E-08	1.88E-08	2.21E-08	8.68E-09	4.43E-08	1.88E-08
5271	476863.09	3865877.25	1.37E-04	1.41E-04	1.33E-04	4.75E-08	1.43E-07	8.30E-08	8.51E-08	7.71E-08	3.52E-08	3.32E-08	1.59E-09	3.83E-08	8.46E-09	1.15E-08	1.83E-08	3.23E-09	2.19E-09	8.37E-08	4.33E-08	1.84E-08	2.16E-08	8.49E-09	4.33E-08	1.84E-08
5272	477363.09	3865877.25	1.46E-04	1.50E-04	1.41E-04	5.06E-08	1.53E-07	8.84E-08	9.05E-08	8.21E-08	3.75E-08	3.53E-08	1.69E-09	4.08E-08	9.00E-09	1.23E-08	1.95E-08	3.44E-09	2.33E-09	8.91E-08	4.61E-08	1.96E-08	2.30E-08	9.04E-09	4.61E-08	1.96E-08
5273	477863.09	3865877.25	1.48E-04	1.51E-04	1.43E-04	5.11E-08	1.54E-07	8.93E-08	9.15E-08	8.29E-08	3.78E-08	3.57E-08	1.71E-09	4.12E-08	9.09E-09	1.24E-08	1.97E-08	3.47E-09	2.35E-09	9.00E-08	4.66E-08	1.98E-08	2.33E-08	9.13E-09	4.66E-08	1.98E-08
5274	478363.09	3865877.25	1.49E-04	1.53E-04	1.44E-04	5.16E-08	1.56E-07	9.02E-08	9.24E-08	8.37E-08	3.82E-08	3.60E-08	1.72E-09	4.16E-08	9.18E-09	1.25E-08	1.99E-08	3.51E-09	2.38E-09	9.09E-08	4.70E-08	2.00E-08	2.35E-08	9.23E-09	4.70E-08	2.00E-08
5275	478863.09	3865877.25	1.51E-04	1.54E-04	1.45E-04	5.21E-08	1.57E-07	9.11E-08	9.33E-08	8.46E-08	3.86E-08	3.64E-08	1.74E-09	4.20E-08	9.28E-09	1.27E-08	2.01E-08	3.54E-09	2.40E-09	9.18E-08	4.75E-08	2.02E-08	2.37E-08	9.32E-09	4.75E-08	2.02E-08
5276	479363.09	3865877.25	1.52E-04	1.56E-04	1.47E-04	5.26E-08	1.59E-07	9.20E-08	9.42E-08	8.54E-08	3.90E-08	3.68E-08	1.76E-09	4.24E-08	9.37E-09	1.28E-08	2.03E-08	3.58E-09	2.42E-09	9.27E-08	4.80E-08	2.04E-08	2.39E-08	9.41E-09	4.80E-08	2.04E-08
5277	479863.09	3865877.25	1.53E-04	1.57E-04	1.48E-04	5.31E-08	1.60E-07	9.29E-08	9.51E-08	8.62E-08	3.93E-08	3.71E-08	1.77E-09	4.29E-08	9.46E-09	1.29E-08	2.05E-08	3.61E-09	2.45E-09	9.36E-08	4.84E-08	2.06E-08	2.42E-08	9.50E-09	4.84E-08	2.06E-08
5278	480363.09	3865877.25	1.56E-04	1.60E-04	1.51E-04	5.42E-08	1.64E-07	9.47E-08	9.70E-08	8.79E-08	4.01E-08	3.78E-08	1.81E-09	4.37E-08	9.64E-09	1.32E-08	2.09E-08	3.68E-09	2.50E-09	9.53E-08	4.94E-08	2.09E-08	2.46E-08	9.68E-09	4.94E-08	2.09E-08
5279	480863.09	3865877.25	1.58E-04	1.62E-04	1.53E-04	5.47E-08	1.65E-07	9.56E-08	9.79E-08	8.87E-08	4.05E-08	3.82E-08	1.83E-09	4.41E-08	9.73E-09	1.33E-08	2.11E-08	3.71E-09	2.52E-09	9.62E-08	4.98E-08	2.11E-08	2.49E-08	9.77E-09	4.98E-08	2.11E-08
5280	481363.09	3865877.25	1.62E-04	1.66E-04	1.57E-04	5.62E-08	1.70E-07	9.82E-08	1.01E-07	9.12E-08	4.16E-08	3.93E-08	1.88E-09	4.53E-08	1.00E-08	1.37E-08	2.17E-08	3.82E-09	2.59E-09	9.89E-08	5.12E-08	2.17E-08	2.56E-08	1.00E-08	5.12E-08	2.17E-08
5281	481863.09	3865877.25	1.64E-04	1.68E-04	1.58E-04	5.67E-08	1.71E-07	9.91E-08	1.02E-07	9.20E-08	4.20E-08	3.96E-08	1.89E-09	4.57E-08	1.01E-08	1.38E-08	2.19E-08	3.85E-09	2.61E-09	9.98E-08	5.17E-08	2.19E-08	2.58E-08	1.01E-08	5.17E-08	2.19E-08
5282	482363.09	3865877.25	1.65E-04	1.69E-04	1.60E-04	5.72E-08	1.73E-07	1.00E-07	1.02E-07	9.29E-08	4.24E-08	4.00E-08	1.91E-09	4.62E-08	1.02E-08	1.39E-08	2.21E-08	3.89E-09	2.64E-09	1.01E-07	5.22E-08	2.21E-08	2.60E-08	1.02E-08	5.22E-08	2.21E-08
5283	482863.09	3865877.25	1.68E-04	1.72E-04	1.63E-04	5.82E-08	1.76E-07	1.02E-07	1.04E-07	9.45E-08	4.31E-08	4.07E-08	1.94E-09	4.70E-08	1.04E-08	1.42E-08	2.25E-08	3.96E-09	2.68E-09	1.03E-07	5.31E-08	2.25E-08	2.65E-08	1.04E-08	5.31E-08	2.25E-08
5284	483363.09	3865877.25	1.71E-04	1.75E-04	1.65E-04	5.93E-08	1.79E-07	1.04E-07	1.06E-07	9.62E-08	4.39E-08	4.14E-08	1.98E-09	4.78E-08	1.05E-08	1.44E-08	2.29E-08	4.03E-09	2.73E-09	1.04E-07	5.40E-08	2.29E-08	2.70E-08	1.06E-08	5.40E-08	2.29E-08
5285	483863.09	3865877.25	1.73E-04	1.77E-04	1.67E-04	5.98E-08	1.80E-07	1.04E-07	1.07E-07	9.70E-08	4.43E-08	4.18E-08	2.00E-09	4.82E-08	1.06E-08	1.45E-08	2.30E-08	4.06E-09	2.75E-09	1.05E-07	5.45E-08	2.31E-08	2.72E-08	1.07E-08	5.45E-08	2.31E-08
5286	484363.09	3865877.25	1.76E-04	1.80E-04	1.70E-04	6.08E-08	1.84E-07	1.06E-07	1.09E-07	9.87E-08	4.50E-08	4.25E-08	2.03E-09	4.90E-08	1.08E-08	1.48E-08	2.34E-08	4.13E-09	2.80E-09	1.07E-07	5.54E-08	2.35E-08	2.77E-08	1.09E-08	5.54E-08	2.35E-08
5287	484863.09	3865877.25	1.79E-04	1.83E-04	1.73E-04	6.18E-08	1.87E-07	1.08E-07	1.11E-07	1.00E-07	4.58E-08	4.32E-08	2.06E-09	4.99E-08	1.10E-08	1.50E-08	2.38E-08	4.20E-09	2.85E-09	1.09E-07	5.64E-08	2.39E-08	2.81E-08	1.11E-08	5.64E-08	2.39E-08
5288	485363.09	3865877.25	1.80E-04	1.84E-04	1.74E-04	6.23E-08	1.88E-07	1.09E-07	1.12E-07	1.01E-07	4.62E-08	4.35E-08	2.08E-09	5.03E-08	1.11E-08	1.52E-08	2.40E-08	4.24E-09	2.87E-09	1.10E-07	5.68E-08	2.41E-08	2.84E-08	1.11E-08	5.68E-08	2.41E-08
5289	485863.09	3865877.25	1.83E-04	1.87E-04	1.77E-04	6.34E-08	1.91E-07	1.11E-07	1.13E-07	1.03E-07	4.69E-08	4.42E-08	2.12E-09	5.11E-08	1.13E-08	1.54E-08	2.44E-08	4.31E-09	2.92E-09	1.12E-07	5.78E-08	2.45E-08	2.88E-08	1.13E-08	5.78E-08	2.45E-08
5290	486363.09	3865877.25	1.84E-04	1.89E-04	1.78E-04	6.39E-08	1.93E-07	1.12E-07	1.14E-07	1.04E-07	4.73E-08	4.46E-08	2.13E-09	5.15E-08	1.14E-08	1.55E-08	2.46E-08	4.34E-09	2.94E-09	1.12E-07	5.82E-08	2.47E-08	2.91E-08	1.14E-08	5.82E-08	2.47E-08
5291	486863.09	3865877.25	1.86E-04	1.90E-04	1.80E-04	6.44E-08	1.94E-07	1.13E-07	1.15E-07	1.04E-07	4.77E-08	4.50E-08	2.15E-09	5.19E-08	1.15E-08	1.56E-08	2.48E-08	4.37E-09	2.97E-09	1.13E-07	5.87E-08	2.49E-08	2.93E-08	1.15E-08	5.87E-08	2.49E-08
5292	487363.09	3865877.25	1.89E-04	1.93E-04	1.83E-04	6.54E-08	1.97E-07	1.14E-07	1.17E-07	1.06E-07	4.84E-08	4.57E-08	2.18E-09	5.27E-08	1.16E-08	1.59E-08	2.52E-08	4.44E-09	3.01E-09	1.15E-07	5.96E-08	2.53E-08	2.98E-08	1.17E-08	5.96E-08	2.53E-08
5293	487863.09	3865877.25	1.93E-04	1.98E-04	1.87E-04	6.69E-08	2.02E-07	1.17E-07	1.20E-07	1.09E-07	4.96E-08	4.67E-08	2.23E-09	5.40E-08	1.19E-08	1.63E-08	2.58E-08	4.55E-09	3.08E-09	1.18E-07	6.10E-08	2.59E-08	3.05E-08	1.20E-08	6.10E-08	2.59E-08
5294	488363.09	3865877.25	1.98E-04	2.03E-04	1.91E-04	6.85E-08	2.07E-07	1.20E-07	1.23E-07	1.11E-07	5.07E-08	4.78E-08	2.29E-09	5.52E-08	1.22E-08	1.66E-08	2.64E-08	4.65E-09	3.15E-09	1.21E-07	6.24E-08	2.65E-08	3.12E-08	1.22E-08	6.24E-08	2.65E-08
5295	488863.09	3865877.25	2.04E-04	2.09E-04	1.97E-04	7.05E-08	2.13E-07	1.23E-07	1.26E-07	1.14E-07	5.22E-08	4.92E-08	2.35E-09	5.69E-08	1.25E-08	1.71E-08	2.72E-08	4.79E-09	3.25E-09	1.24E-07	6.43E-08	2.73E-08	3.21E-08	1.26E-08	6.43E-08	2.73E-08
5296	489363.09	3865877.25	2.08E-04	2.13E-04	2.01E-04	7.20E-08	2.18E-07	1.26E-07	1.29E-07	1.17E-07	5.33E-08	5.03E-08	2.41E-09	5.81E-08	1.28E-08	1.75E-08	2.78E-08	4.90E-09	3.32E-09	1.27E-07	6.57E-08	2.79E-08	3.28E-08	1.29E-08	6.57E-08	2.79E-08
5297	489863.09	3865877.25	2.10E-04	2.15E-04	2.02E-04	7.25E-08	2.19E-07	1.27E-07	1.30E-07	1.18E-07	5.37E-08	5.07E-08	2.42E-09	5.85E-08	1.29E-08	1.76E-08	2.80E-08	4.93E-09	3.34E-09	1.28E-07	6.61E-08	2.81E-08	3.30E-08	1.30E-08	6.61E-08	2.81E-08
5298	490363.09	3865877.25	2.02E-04	2.07E-04	1.95E-04	7.00E-08	2.11E-07	1.22E-07	1.25E-07	1.14E-07	5.18E-08	4.89E-08	2.34E-09	5.65E-08	1.25E-08	1.70E-08	2.70E-08	4.76E-09	3.22E-09	1.23E-07	6.38E-08	2.71E-08	3.19E-08	1.25E-08	6.38E-08	2.71E-08
5299	490863.09	3865877.25	1.89E-04	1.93E-04	1.83E-04	6.54E-08	1.97E-07	1.14E-07	1.17E-07	1.06E-07	4.84E-08	4.57E-08	2.18E-09	5.27E-08	1.16E-08	1.59E-08	2.52E-08	4.44E-09	3.01E-09	1.15E-07	5.96E-08	2.53E-08	2.98E-08	1.17E-08	5.96E-08	2.53E-08
5300	491363.09	3865877.25	1.76E-04	1.80E-04	1.70E-04	6.08E-08	1.84E-07	1.06E-07	1.09E-07	9.87E-08	4.50E-08	4.25E-08	2.03E-09	4.90E-08	1.08E-08	1.48E-08	2.34E-08	4.13E-09	2.80E-09	1.07E-07	5.54E-08	2.35E-08	2.77E-08	1.09E-08	5.54E-08	2.35E-08
5301	491863.09	3865877.25	1.76E-04	1.80E-04	1.70E-04	6.08E-08	1.84E-07	1.06E-07	1.09E-07	9.87E-08	4.50E-08	4.25E-08	2.03E-09	4.90E-08	1.08E-08	1.48E-08	2.34E-08	4.13E-09	2.80E-09	1.07E-07	5.54E-08	2.35E-08	2.77E-08	1.09E-08	5.54E-08	2.35E-08
5302	492363.09	3865877.25	1.65E-04	1.69E-04	1.60E-04	5.72E-08	1.73E-07	1.00E-07	1.02E-07	9.29E-08	4.24E-08	4.00E-08	1.91E-09	4.62E-08	1.02E-08	1.39E-08	2.21E-08	3.89E-09	2.64E-09	1.01E-07	5.22E-08	2.21E-08	2.60E-08	1.02E-08	5.22E-08	2.21E-08
5303	492863.09	3865877.25	1.36E-04	1.39E-04	1.31E-04	4.70E-08	1.42E-07	8.22E-08	8.41E-08	7.63E-08	3.48E-08	3.28E-08	1.57E-09	3.79E-08	8.37E-09	1.14E-08	1.81E-08	3.19E-09	2.17E-09	8.28E-08	4.29E-08	1.82E-08	2.14E-08	8.40E-09	4.29E-08	1.82E-08
5304	493363.09	3865877.25	1.30E-04	1.33E-04	1.25E-04	4.50E-08	1.36E-07	7.86E-08	8.05E-08	7.30E-08	3.33E-08	3.14E-08	1.50E-09	3.63E-08	8.00E-09	1.09E-08	1.73E-08	3.06E-09	2.07E-09	7.92E-08	4.10E-08	1.74E-08	2.05E-08	8.04E-09	4.10E-08	1.74E-08
5305	493863.09	3865877.25	1.36E-04	1.39E-04	1.31E-04	4.70E-08	1.42E-07	8.22E-08	8.41E-08	7.63E-08	3.48E-08	3.28E-08	1.57E-09	3.79E-08	8.37E-09	1.14E-08	1.81E-08	3.19E-09	2.17E-09	8.28E-08	4.29E-08	1.82E-08	2.14E-08	8.40E-09	4.29E-08	1.82E-08
5306	494363.09	3865877.25	1.46E-04	1.50E-04	1.41E-04	5.06E-08	1.53E-07	8.84E-08	9.05E-08	8.21E-08	3.75E-08	3.53E-08	1.69E-09	4.08E-08	9.00E-09	1.23E-08	1.95E-08	3.44E-09	2.33E-09	8.91E-08	4.61E-08	1.96E-08	2.30E-08	9.04E-09	4.61E-08	1.96E-08

5307	494863.09	3865877.25	1.67E-04	1.71E-04	1.61E-04	5.77E-08	1.74E-07	1.01E-07	1.03E-07	9.37E-08	4.28E-08	4.03E-08	1.93E-09	4.66E-08	1.03E-08	1.40E-08	2.23E-08	3.92E-09	2.66E-09	1.02E-07	5.26E-08	2.23E-08	2.63E-08	1.03E-08	5.26E-08	2.23E-08
5308	495363.09	3865877.25	1.73E-04	1.77E-04	1.67E-04	5.98E-08	1.80E-07	1.04E-07	1.07E-07	9.70E-08	4.43E-08	4.18E-08	2.00E-09	4.82E-08	1.06E-08	1.45E-08	2.30E-08	4.06E-09	2.75E-09	1.05E-07	5.45E-08	2.31E-08	2.72E-08	1.07E-08	5.45E-08	2.31E-08
5309	495863.09	3865877.25	1.73E-04	1.77E-04	1.67E-04	5.98E-08	1.80E-07	1.04E-07	1.07E-07	9.70E-08	4.43E-08	4.18E-08	2.00E-09	4.82E-08	1.06E-08	1.45E-08	2.30E-08	4.06E-09	2.75E-09	1.05E-07	5.45E-08	2.31E-08	2.72E-08	1.07E-08	5.45E-08	2.31E-08
5310	496363.09	3865877.25	1.65E-04	1.69E-04	1.60E-04	5.72E-08	1.73E-07	1.00E-07	1.02E-07	9.29E-08	4.24E-08	4.00E-08	1.91E-09	4.62E-08	1.02E-08	1.39E-08	2.21E-08	3.89E-09	2.64E-09	1.01E-07	5.22E-08	2.21E-08	2.60E-08	1.02E-08	5.22E-08	2.21E-08
5311	496863.09	3865877.25	1.56E-04	1.60E-04	1.51E-04	5.42E-08	1.64E-07	9.47E-08	9.70E-08	8.79E-08	4.01E-08	3.78E-08	1.81E-09	4.37E-08	9.64E-09	1.32E-08	2.09E-08	3.68E-09	2.50E-09	9.53E-08	4.94E-08	2.09E-08	2.46E-08	9.68E-09	4.94E-08	2.09E-08
5312	497363.09	3865877.25	1.61E-04	1.65E-04	1.55E-04	5.57E-08	1.68E-07	9.73E-08	9.97E-08	9.04E-08	4.12E-08	3.89E-08	1.86E-09	4.49E-08	9.91E-09	1.35E-08	2.15E-08	3.78E-09	2.57E-09	9.80E-08	5.08E-08	2.15E-08	2.53E-08	9.96E-09	5.08E-08	2.15E-08
5313	497863.09	3865877.25	1.68E-04	1.72E-04	1.63E-04	5.82E-08	1.76E-07	1.02E-07	1.04E-07	9.45E-08	4.31E-08	4.07E-08	1.94E-09	4.70E-08	1.04E-08	1.42E-08	2.25E-08	3.96E-09	2.68E-09	1.03E-07	5.31E-08	2.25E-08	2.65E-08	1.04E-08	5.31E-08	2.25E-08
5314	498363.09	3865877.25	1.58E-04	1.62E-04	1.53E-04	5.47E-08	1.65E-07	9.56E-08	9.79E-08	8.87E-08	4.05E-08	3.82E-08	1.83E-09	4.41E-08	9.73E-09	1.33E-08	2.11E-08	3.71E-09	2.52E-09	9.62E-08	4.98E-08	2.11E-08	2.49E-08	9.77E-09	4.98E-08	2.11E-08
5315	471363.09	3866377.25	1.18E-04	1.21E-04	1.14E-04	4.09E-08	1.23E-07	7.14E-08	7.32E-08	6.63E-08	3.03E-08	2.85E-08	1.36E-09	3.30E-08	7.27E-09	9.93E-09	1.58E-08	2.78E-09	1.88E-09	7.20E-08	3.73E-08	1.58E-08	1.86E-08	7.31E-09	3.73E-08	1.58E-08
5316	471863.09	3866377.25	1.20E-04	1.22E-04	1.15E-04	4.14E-08	1.25E-07	7.23E-08	7.41E-08	6.72E-08	3.06E-08	2.89E-08	1.38E-09	3.34E-08	7.37E-09	1.01E-08	1.60E-08	2.81E-09	1.91E-09	7.29E-08	3.77E-08	1.60E-08	1.88E-08	7.40E-09	3.77E-08	1.60E-08
5317	472363.09	3866377.25	1.22E-04	1.25E-04	1.18E-04	4.24E-08	1.28E-07	7.41E-08	7.59E-08	6.88E-08	3.14E-08	2.96E-08	1.42E-09	3.42E-08	7.55E-09	1.03E-08	1.64E-08	2.88E-09	1.95E-09	7.47E-08	3.87E-08	1.64E-08	1.93E-08	7.58E-09	3.87E-08	1.64E-08
5318	472863.09	3866377.25	1.24E-04	1.27E-04	1.20E-04	4.29E-08	1.30E-07	7.50E-08	7.68E-08	6.96E-08	3.18E-08	3.00E-08	1.43E-09	3.46E-08	7.64E-09	1.04E-08	1.65E-08	2.92E-09	1.98E-09	7.56E-08	3.91E-08	1.66E-08	1.95E-08	7.67E-09	3.91E-08	1.66E-08
5319	473363.09	3866377.25	1.25E-04	1.28E-04	1.21E-04	4.34E-08	1.31E-07	7.59E-08	7.77E-08	7.05E-08	3.22E-08	3.03E-08	1.45E-09	3.50E-08	7.73E-09	1.06E-08	1.67E-08	2.95E-09	2.00E-09	7.65E-08	3.96E-08	1.68E-08	1.98E-08	7.76E-09	3.96E-08	1.68E-08
5320	473863.09	3866377.25	1.28E-04	1.32E-04	1.24E-04	4.44E-08	1.34E-07	7.77E-08	7.96E-08	7.21E-08	3.29E-08	3.10E-08	1.48E-09	3.59E-08	7.91E-09	1.08E-08	1.71E-08	3.02E-09	2.05E-09	7.83E-08	4.05E-08	1.72E-08	2.02E-08	7.95E-09	4.05E-08	1.72E-08
5321	474363.09	3866377.25	1.30E-04	1.33E-04	1.25E-04	4.50E-08	1.36E-07	7.86E-08	8.05E-08	7.30E-08	3.33E-08	3.14E-08	1.50E-09	3.63E-08	8.00E-09	1.09E-08	1.73E-08	3.06E-09	2.07E-09	7.92E-08	4.10E-08	1.74E-08	2.05E-08	8.04E-09	4.10E-08	1.74E-08
5322	474863.09	3866377.25	1.31E-04	1.35E-04	1.27E-04	4.55E-08	1.37E-07	7.95E-08	8.14E-08	7.38E-08	3.37E-08	3.18E-08	1.52E-09	3.67E-08	8.09E-09	1.11E-08	1.75E-08	3.09E-09	2.09E-09	8.01E-08	4.15E-08	1.76E-08	2.07E-08	8.13E-09	4.15E-08	1.76E-08
5323	475363.09	3866377.25	1.33E-04	1.36E-04	1.28E-04	4.60E-08	1.39E-07	8.04E-08	8.23E-08	7.46E-08	3.40E-08	3.21E-08	1.54E-09	3.71E-08	8.18E-09	1.12E-08	1.77E-08	3.12E-09	2.12E-09	8.10E-08	4.19E-08	1.78E-08	2.09E-08	8.22E-09	4.19E-08	1.78E-08
5324	475863.09	3866377.25	1.34E-04	1.38E-04	1.30E-04	4.65E-08	1.40E-07	8.13E-08	8.32E-08	7.54E-08	3.44E-08	3.25E-08	1.55E-09	3.75E-08	8.27E-09	1.13E-08	1.79E-08	3.16E-09	2.14E-09	8.19E-08	4.24E-08	1.80E-08	2.12E-08	8.31E-09	4.24E-08	1.80E-08
5325	476363.09	3866377.25	1.36E-04	1.39E-04	1.31E-04	4.70E-08	1.42E-07	8.22E-08	8.41E-08	7.63E-08	3.48E-08	3.28E-08	1.57E-09	3.79E-08	8.37E-09	1.14E-08	1.81E-08	3.19E-09	2.17E-09	8.28E-08	4.29E-08	1.82E-08	2.14E-08	8.40E-09	4.29E-08	1.82E-08
5326	476863.09	3866377.25	1.28E-04	1.32E-04	1.24E-04	4.44E-08	1.34E-07	7.77E-08	7.96E-08	7.21E-08	3.29E-08	3.10E-08	1.48E-09	3.59E-08	7.91E-09	1.08E-08	1.71E-08	3.02E-09	2.05E-09	7.83E-08	4.05E-08	1.72E-08	2.02E-08	7.95E-09	4.05E-08	1.72E-08
5327	477363.09	3866377.25	1.36E-04	1.39E-04	1.31E-04	4.70E-08	1.42E-07	8.22E-08	8.41E-08	7.63E-08	3.48E-08	3.28E-08	1.57E-09	3.79E-08	8.37E-09	1.14E-08	1.81E-08	3.19E-09	2.17E-09	8.28E-08	4.29E-08	1.82E-08	2.14E-08	8.40E-09	4.29E-08	1.82E-08
5328	477863.09	3866377.25	1.42E-04	1.45E-04	1.37E-04	4.90E-08	1.48E-07	8.57E-08	8.78E-08	7.96E-08	3.63E-08	3.43E-08	1.64E-09	3.96E-08	8.73E-09	1.19E-08	1.89E-08	3.33E-09	2.26E-09	8.64E-08	4.47E-08	1.90E-08	2.23E-08	8.77E-09	4.47E-08	1.90E-08
5329	478363.09	3866377.25	1.42E-04	1.45E-04	1.37E-04	4.90E-08	1.48E-07	8.57E-08	8.78E-08	7.96E-08	3.63E-08	3.43E-08	1.64E-09	3.96E-08	8.73E-09	1.19E-08	1.89E-08	3.33E-09	2.26E-09	8.64E-08	4.47E-08	1.90E-08	2.23E-08	8.77E-09	4.47E-08	1.90E-08
5330	478863.09	3866377.25	1.43E-04	1.47E-04	1.38E-04	4.96E-08	1.50E-07	8.66E-08	8.87E-08	8.04E-08	3.67E-08	3.46E-08	1.65E-09	4.00E-08	8.82E-09	1.20E-08	1.91E-08	3.37E-09	2.28E-09	8.73E-08	4.52E-08	1.92E-08	2.26E-08	8.86E-09	4.52E-08	1.92E-08
5331	479363.09	3866377.25	1.45E-04	1.48E-04	1.40E-04	5.01E-08	1.51E-07	8.75E-08	8.96E-08	8.13E-08	3.71E-08	3.50E-08	1.67E-09	4.04E-08	8.91E-09	1.22E-08	1.93E-08	3.40E-09	2.31E-09	8.82E-08	4.56E-08	1.94E-08	2.28E-08	8.95E-09	4.56E-08	1.94E-08
5332	479863.09	3866377.25	1.46E-04	1.50E-04	1.41E-04	5.06E-08	1.53E-07	8.84E-08	9.05E-08	8.21E-08	3.75E-08	3.53E-08	1.69E-09	4.08E-08	9.00E-09	1.23E-08	1.95E-08	3.44E-09	2.33E-09	8.91E-08	4.61E-08	1.96E-08	2.30E-08	9.04E-09	4.61E-08	1.96E-08
5333	480363.09	3866377.25	1.48E-04	1.51E-04	1.43E-04	5.11E-08	1.54E-07	8.93E-08	9.15E-08	8.29E-08	3.78E-08	3.57E-08	1.71E-09	4.12E-08	9.09E-09	1.24E-08	1.97E-08	3.47E-09	2.35E-09	9.00E-08	4.66E-08	1.98E-08	2.33E-08	9.13E-09	4.66E-08	1.98E-08
5334	480863.09	3866377.25	1.51E-04	1.54E-04	1.45E-04	5.21E-08	1.57E-07	9.11E-08	9.33E-08	8.46E-08	3.86E-08	3.64E-08	1.74E-09	4.20E-08	9.28E-09	1.27E-08	2.01E-08	3.54E-09	2.40E-09	9.18E-08	4.75E-08	2.02E-08	2.37E-08	9.32E-09	4.75E-08	2.02E-08
5335	481363.09	3866377.25	1.53E-04	1.57E-04	1.48E-04	5.31E-08	1.60E-07	9.29E-08	9.51E-08	8.62E-08	3.93E-08	3.71E-08	1.77E-09	4.29E-08	9.46E-09	1.29E-08	2.05E-08	3.61E-09	2.45E-09	9.36E-08	4.84E-08	2.06E-08	2.42E-08	9.50E-09	4.84E-08	2.06E-08
5336	481863.09	3866377.25	1.55E-04	1.59E-04	1.50E-04	5.36E-08	1.62E-07	9.38E-08	9.60E-08	8.71E-08	3.97E-08	3.75E-08	1.79E-09	4.33E-08	9.55E-09	1.30E-08	2.07E-08	3.65E-09	2.47E-09	9.44E-08	4.89E-08	2.08E-08	2.44E-08	9.59E-09	4.89E-08	2.08E-08
5337	482363.09	3866377.25	1.56E-04	1.60E-04	1.51E-04	5.42E-08	1.64E-07	9.47E-08	9.70E-08	8.79E-08	4.01E-08	3.78E-08	1.81E-09	4.37E-08	9.64E-09	1.32E-08	2.09E-08	3.68E-09	2.50E-09	9.53E-08	4.94E-08	2.09E-08	2.46E-08	9.68E-09	4.94E-08	2.09E-08
5338	482863.09	3866377.25	1.58E-04	1.62E-04	1.53E-04	5.47E-08	1.65E-07	9.56E-08	9.79E-08	8.87E-08	4.05E-08	3.82E-08	1.83E-09	4.41E-08	9.73E-09	1.33E-08	2.11E-08	3.71E-09	2.52E-09	9.62E-08	4.98E-08	2.11E-08	2.49E-08	9.77E-09	4.98E-08	2.11E-08
5339	483363.09	3866377.25	1.59E-04	1.63E-04	1.54E-04	5.52E-08	1.67E-07	9.64E-08	9.88E-08	8.95E-08	4.09E-08	3.85E-08	1.84E-09	4.45E-08	9.82E-09	1.34E-08	2.13E-08	3.75E-09	2.54E-09	9.71E-08	5.03E-08	2.13E-08	2.51E-08	9.86E-09	5.03E-08	2.13E-08
5340	483863.09	3866377.25	1.62E-04	1.66E-04	1.57E-04	5.62E-08	1.70E-07	9.82E-08	1.01E-07	9.12E-08	4.16E-08	3.93E-08	1.88E-09	4.53E-08	1.00E-08	1.37E-08	2.17E-08	3.82E-09	2.59E-09	9.89E-08	5.12E-08	2.17E-08	2.56E-08	1.00E-08	5.12E-08	2.17E-08
5341	484363.09	3866377.25	1.62E-04	1.66E-04	1.57E-04	5.62E-08	1.70E-07	9.82E-08	1.01E-07	9.12E-08	4.16E-08	3.93E-08	1.88E-09	4.53E-08	1.00E-08	1.37E-08	2.17E-08	3.82E-09	2.59E-09	9.89E-08	5.12E-08	2.17E-08	2.56E-08	1.00E-08	5.12E-08	2.17E-08
5342	484863.09	3866377.25	1.65E-04	1.69E-04	1.60E-04	5.72E-08	1.73E-07	1.00E-07	1.02E-07	9.29E-08	4.24E-08	4.00E-08	1.91E-09	4.62E-08	1.02E-08	1.39E-08	2.21E-08	3.89E-09	2.64E-09	1.01E-07	5.22E-08	2.21E-08	2.60E-08	1.02E-08	5.22E-08	2.21E-08
5343	485363.09	3866377.25	1.67E-04	1.71E-04	1.61E-04	5.77E-08	1.74E-07	1.01E-07	1.03E-07	9.37E-08	4.28E-08	4.03E-08	1.93E-09	4.66E-08	1.03E-08	1.40E-08	2.23E-08	3.92E-09	2.66E-09	1.02E-07	5.26E-08	2.23E-08	2.63E-08	1.03E-08	5.26E-08	2.23E-08
5344	485863.09	3866377.25	1.70E-04	1.74E-04	1.64E-04	5.88E-08	1.77E-07	1.03E-07	1.05E-07	9.53E-08	4.35E-08	4.10E-08	1.96E-09	4.74E-08	1.05E-08	1.43E-08	2.27E-08	3.99E-09	2.71E-09	1.03E-07	5.36E-08	2.27E-08	2.67E-08	1.05E-08	5.36E-08	2.27E-08
5345	486363.09	3866377.25	1.73E-04	1.77E-04	1.67E-04	5.98E-08	1.80E-07	1.04E-07	1.07E-07	9.70E-08	4.43E-08	4.18E-08	2.00E-09	4.82E-08	1.06E-08	1.45E-08	2.30E-08	4.06E-09	2.75E-09	1.05E-07	5.45E-08	2.31E-08	2.72E-08	1.07E-08	5.45E-08	2.31E-08
5346	486863.09	3866377.25	1.76E-04	1.80E-04	1.70E-04	6.08E-08	1.84E-07	1.06E-07	1.09E-07	9.87E-08	4.50E-08	4.25E-08	2.03E-09	4.90E-08	1.08E-08	1.48E-08	2.34E-08	4.13E-09	2.80E-09	1.07E-07	5.54E-08	2.35E-08	2.77E-08	1.09E-08	5.54E-08	2.35E-08
5347	487363.09	3866377.25	1.79E-04	1.83E-04	1.73E-04	6.18E-08	1.87E-07	1.08E-07	1.11E-07	1.00E-07	4.58E-08	4.32E-08	2.06E-09	4.99E-08	1.10E-08	1.50E-08	2.38E-08	4.20E-09	2.85E-09	1.09E-07	5.64E-08	2.39E-08	2.81E-08	1.11E-08	5.64E-08	2.39E-08
5348	487863.09	3866377.25	1.79E-04	1.83E-04	1.73E-04	6.18E-08	1.87E-07	1.08E-07	1.11E-07	1.00E-07	4.58E-08	4.32E-08	2.06E-09	4.99E-08	1.10E-08	1.50E-08	2.38E-08	4.20E-09	2.85E-09	1.09E-07	5.64E-08	2.39E-08	2.81E-08	1.11E-08	5.64E-08	2.39E-08
5349	488363.09	3866377.25	1.82E-04	1.86E-04	1.75E-04	6.28E-08	1.90E-07	1.10E-07	1.13E-07	1.02E-07	4.65E-08	4.39E-08	2.10E-09	5.07E-08	1.12E-08	1.53E-08	2.42E-08	4.27E-09	2.90E-09	1.11E-07	5.73E-08	2.43E-08	2.86E-08	1.12E-08	5.73E-08	2.43E-08
5350	488863.09	3866377.25	1.76E-04	1.80E-04	1.70E-04	6.08E-08	1.84E-07	1.06E-07	1.09E-07	9.87E-08	4.50E-08	4.25E-08	2.03E-09	4.90E-08	1.08E-08	1.48E-08	2.34E-08	4.13E-09	2.80E-09	1.07E-07	5.54E-08	2.35E-08	2.77E-08	1.09E-08	5.54E-08	2.35E-08
5351	489363.09	3866377.25	1.71E-04	1.75E-04	1.65E-04	5.93E-08	1.79E-07	1.04E-07	1.06E-07	9.62E-08	4.39E-08	4.14E-08	1.98E-09	4.78E-08	1.05E-08	1.44E-08	2.29E-08	4.03E-09	2.73E-09	1.04E-07	5.40E-08	2.29E-08	2.70E-08	1.06E-08	5.40E-08	2.29E-08
5352	489863.09	3866377.25	1.64E-04	1.68E-04	1.58E-04	5.67E-08	1.71E-07	9.91E-08	1.02E-07	9.20E-08	4.20E-08	3.96E-08	1.89E-09	4.57E-08	1.01E-08	1.38E-08	2.19E-08	3.85E-09	2.61E-09	9.98E-08	5.17E-08	2.19E-08	2.58E-08	1.01E-08	5.17E-08	2.19E-08
5353	490363.09	3866377.25	1.84E-04	1.89E-04	1.78E-04	6.39E-08	1.93E-07	1.12E-07	1.14E-07	1.04E-07	4.73E-08	4.46E-08	2.13E-09	5.15E-08	1.14E-08	1.55E-08	2.46E-08	4.34E-09	2.94E-09	1.12E-07	5.82E-08	2.47E-08	2.91E-08	1.14E-08	5.82E-08	2.47E-08
5354	490863.09	3866377.25	1.89E-04	1.93E-04	1.83E-04	6.54E-08	1.97E-07	1.14E-07	1.17E-07	1.06E-07	4.84E-08	4.57E-08	2.18E-09	5.27E-08	1.16E-08	1.59E-08	2.52E-08	4.44E-09	3.01E-09	1.15E-07	5.96E-08	2.53E-08	2.98E-08	1.17E-08	5.96E-08	2.53E-08
5355	491363.09	3866377.25	1.82E-04	1.86E-04	1.75E-04	6.28E-08	1.90E-07	1.10E-07	1.13E-07	1.02E-07	4.65E-08	4.39E-08	2.10E-09	5.07E-08	1.12E-08	1.53E-08	2.42E-08	4.27E-09	2.90E-09	1.11E-07	5.73E-08	2.43E-08	2.86E-08	1.12E-08	5.73E-08	2.43E-08
5356	491863.09	3866377.25	1.51E-04	1.54E-04	1.45E-04	5.21E-08	1.57E-07	9.11E-08	9.33E-08	8.46E-08	3.86E-08	3.64E-08	1.74E-09	4.20E-08	9.28E-09	1.27E-08	2.01E-08	3.54E-09	2.40E-09	9.18E-08	4.75E-08	2.02E-08	2.37E-08	9.32E-09	4.75E-08	2.02E-08
5357	492363.09	3866377.25	1.52E-04	1.56E-04	1.47E-04	5.26E-08	1.59E-07	9.20E-08	9.42E-08	8.54E-08	3.90E-08	3.68E-08	1.76E-09	4.24E-08	9.37E-09	1.28E-08	2.03E-08	3.58E-09	2.42E-09	9.27E-08	4.80E-08	2.04E-08	2.39E-08	9.41E-09	4.80E-08	2.04E-08
5358	492863.09	3866377.25	1.39E-04	1.42E-04	1.34E-04	4.80E-08	1.45E-07	8.39E-08	8.60E-08	7.79E-08	3.56E-08	3.35E-08	1.60E-09	3.87E-08	8.55E-09	1.17E-08	1.85E-08	3.26E-09	2.21E-09	8.46E-08	4.38E-08	1.86E-08	2.19E-08	8.59E-09	4.38E-08	1.86E-08
5359	493363.09	3866377.25	1.37E-04	1.41E-04	1.33E-04	4.75E-08	1.43E-07	8.30E-08	8.51E-08	7.71E-08	3.52E-08	3.32E-08	1.59E-09	3.83E-08	8.46E-09	1.15E-08	1.83E-08	3.23E-09	2.19E-09	8.37E-08	4.33E-08	1.84E-08	2.16E-08	8.49E-09	4.33E-08	1.84E-08
5360	493863.09	3866377.25	1.39E-04	1.42E-04	1.34E-04	4.80E-08	1.45E-07	8.39E-08	8.60E-08	7.79E-08	3.56E-08	3.35E-08	1.60E-09	3.87E-08	8.55E-09	1.17E-08	1.85E-08	3.26E-09	2.21E-09	8.46E-08	4.38E-08	1.86E-08	2.19E-08	8.59E-09	4.38E-08	1.86E-08
5361	494363.09	3866377.25	1.46E-04	1.50E-04	1.41E-04	5.06E-08	1.53E-07	8.84E-08	9.05E-08	8.21E-08	3.75E-08	3.53E-08	1.69E-09	4.08E-08	9.00E-09	1.23E-08	1.95E-08	3.44E-09	2.33E-09	8.91E-08	4.61E-08	1.96E-08	2.30E-08	9.04E-09	4.61E-08	1.96E-08
5362	494863.09	3866377.25	1.45E-04	1.48E-04	1.40E-04	5.01E-08	1.51E-07	8.75E-08	8.96E-08	8.13E-08	3.71E-08	3.50E-08	1.67E-09	4.04E-08	8.91E-09	1.22E-08	1.93E-08	3.40E-09	2.31E-09	8.82E-08	4.56E-08	1.94E-08	2.28E-08	8.95E-09	4.56E-08	1.94E-08
5363	495363.09	3866377.25	1.42E-04	1.45E-04	1.37E-04	4.90E-08	1.48E-07	8.57E-08	8.78E-08	7.96E-08	3.63E-08	3.43E-08	1.64E-09	3.96E-08	8.73E-09	1.19E-08	1.89E-08	3.33E-09	2.26E-09	8.64E-08	4.47E-08	1.90E-08	2.23E-08	8.77E-09	4.47E-08	1.90E-08
5364	495863.09	3866377.25	1.42E-04	1.45E-04	1.37E-04	4.90E-08	1.48E-07	8.57E-08	8.78E-08	7.96E-08	3.63E-08	3.43E-08	1.64E-09	3.96E-08	8.73E-09	1.19E-08	1.89E-08	3.33E-09	2.26E-09	8.64E-08	4.47E-08	1.90E-08	2.23E-08	8.77E-09	4.47E-08	1.90E-08
5365	496363.09	3866377.25	1.43E-04	1.47E-04	1.38E-04	4.96E-08	1.50E-07	8.66E-08	8.87E-08	8.04E-08	3.67E-08	3.46E-08	1.65E-09	4.00E-08	8.82E-09	1.20E-08	1.91E-08	3.37E-09	2.28E-09	8.73E-08	4.52E-08	1.92E-08	2.26E-08	8.86E-09	4.52E-08	1.92E-08
5366	496863.09	3866377.25	1.39E-04	1.42E-04	1.34E-04	4.80E-08	1.45E-07	8.39E-08	8.60E-08	7.79E-08	3.56E-08	3.35E-08	1.60E-09	3.87E-08	8.55E-09	1.17E-08	1.85E-08	3.26E-09	2.21E-09	8.46E-08	4.38E-08	1.86E-08	2.19E-08	8.59E-09	4.38E-08	1.86E-08
5367	497363.09	3866377.25	1.37E-04	1.41E-04	1.33E-04	4.75E-08	1.43E-07	8.30E-08	8.51E-08	7.71E-08	3.52E-08	3.32E-08	1.59E-09	3.83E-08	8.46E-09	1.15E-08	1.83E-08	3.23E-09	2.19E-09	8.37E-08	4.33E-08	1.84E-08	2.16E-08	8.49E-09	4.33E-08	1.84E-08
5368	497863.09	3866377.25	1.39E-04	1.42E-04	1.34E-04	4.80E-08	1.45E-07	8.39E-08	8.60E-08	7.79E-08	3.56E-08	3.35E-08	1.60E-09	3.87E-08	8.55E-09	1.17E-08	1.85E-08	3.26E-09	2.21E-09	8.46E-08	4.38E-08	1.86E-08	2.19E-08	8.59E-09	4.38E-08	1.86E-08
5369	498363.09	3866377.25	1.28E-04	1.32E-04	1.24E-04	4.44E-08	1.34E-07	7.77E-08	7.96E-08	7.21E-08	3.29E-08	3.10E-08	1.48E-09	3.59E-08	7.91E-09	1.08E-08	1.71E-08	3.02E-09	2.05E-09	7.83E-08	4.05E-08	1.72E-08	2.02E-08	7.95E-09	4.05E-08	1.72E-08
5370	474494.92	3848334.16	5.05E-02	5.18E-02	4.88E-02	1.75E-05	5.28E-05	3.06E-05	3.13E-05	2.84E-05	1.30E-05	1.22E-05	5.84E-07	1.41E-05	3.11E-06	4.25E-06	6.74E-06	1.19E-06	8.06E-07	3.08E-05	1.59E-05	6.77E-06	7.96E-06	3.13E-06	1.59E-05	6.77E-06
5371	475167.27	3848920.79	5.97E-02	6.12E-02	5.77E-02	2.07E-05	6.24E-05	3.61E-05	3.70E-05	3.36E-05	1.53E-05	1.44E-05	6.91E-07	1.67E-05	3.68E-06	5.03E-06	7.97E-06	1.41E-06	9.53E-07	3.64E-05	1.89E-05	8.00E-06	9.41E-06	3.70E-06	1.89E-05	8.00E-06
5372	475297.89	3848997.96	4.63E-02	4.74E-02	4.48E-02	1.60E-05	4.84E-05	2.80E-05	2.87E-05	2.60E-05	1.19E-05	1.12E-05	5.35E-07	1.29E-05	2.85E-06	3.90E-06	6.18E-06	1.09E-06	7.39E-07	2.82E-05	1.46E-05	6.20E-06	7.30E-06	2.87E-06	1.46E-05	6.20E-06
5373	475439.05	3849062	5.39E-02	5.52E-02	5.20E-02	1.86E-05	5.63E-05	3.26E-05	3.34E-05	3.03E-05	1.38E-05	1.30E-05	6.23E-07	1.50E-05	3.32E-06	4.53E-06	7.19E-06	1.27E-06	8.59E-07	3.28E-05	1.70E-05	7.21E-06	8.48E-06	3.33E-06	1.70E-05	7.21E-06
5374	475486.86	3849061.09	3.98E-02	4.07E-02	3.84E-02	1.38E-05	4.16E-05	2.41E-05	2.46E-05	2.23E-05	1.02E-05	9.61E-06	4.60E-07	1.11E-05	2.45E-06	3.35E-06	5.31E-06	9.35E-07	6.34E-07	2.42E-05	1.25E-05	5.32E-06	6.26E-06	2.46E-06	1.25E-05	5.32E-06
5375	475538.46	3849075.56	4.04E-02	4.13E-02	3.90E-02	1.40E-05	4.22E-05	2.44E-05	2.50E-05	2.27E-05	1.03E-05	9.76E-06	4.66E-07	1.13E-05	2.49E-06	3.40E-06	5.39E-06	9.49E-07	6.44E-07	2.46E-05	1.27E-05	5.40E-06	6.36E-06	2.50E-06	1.27E-05	5.40E-06
5376	475751.79	3849137.15	5.92E-02	6.07E-02	5.72E-02	2.05E-05	6.19E-05	3.58E-05	3.67E-05	3.33E-05	1.52E-05	1.43E-05	6.85E-07	1.65E-05	3.65E-06	4.98E-06	7.90E-06	1.39E-06	9.44E-07	3.61E-05	1.87E-05	7.93E-06	9.33E-06	3.66E-06	1.87E-05	7.93E-06
5377	476303.62	3849223.38	5.40E-02	5.53E-02	5.22E-02	1.87E-05	5.64E-05	3.27E-05	3.35E-05	3.03E-05	1.38E-05	1.31E-05	6.24E-07	1.51E-05	3.33E-06	4.54E-06	7.21E-06	1.27E-06	8.61E-07	3.29E-05	1.70E-05	7.23E-06	8.51E-06	3.34E-06	1.70E-05	7.23E-06
5378	476304.51	3849238.92	7.49E-02	7.68E-02	7.24E-02	2.59E-05	7.83E-05	4.53E-05	4.64E-05	4.21E-05	1.92E-05	1.81E-05	8.66E-07	2.09E-05	4.62E-06	6.31E-06	1.00E-05	1.76E-06	1.20E-06	4.57E-05	2.37E-05	1.00E-05	1.18E-05	4.64E-06	2.37E-05	1.00E-05
5379	476365.04	3849247.98	6.68E-02	6.84E-02	6.46E-02	2.31E-05	6.98E-05	4.04E-05	4.14E-05	3.75E-05	1.71E-05	1.62E-05	7.72E-07	1.87E-05	4.12E-06	5.62E-06	8.92E-06	1.57E-06	1.07E-06	4.07E-05	2.11E-05	8.95E-06	1.05E-05	4.14E-06	2.11E-05	8.95E-06
5380	476444.86	3849267.13	6.70E-02	6.86E-02	6.47E-02	2.32E-05	7.00E-05	4.05E-05	4.15E-05	3.76E-05	1.72E-05	1.62E-05	7.74E-07	1.87E-05	4.13E-06	5.64E-06	8.94E-06	1.58E-06	1.07E-06	4.08E-05	2.11E-05	8.97E-06	1.06E-05	4.15E-06	2.11E-05	8.97E-06
5381	476550.75	3849300.66	7.97E-02	8.16E-02	7.70E-02	2.76E-05	8.33E-05	4.82E-05	4.94E-05	4.48E-05	2.04E-05	1.93E-05	9.21E-07	2.22E-05	4.91E-06	6.70E-06	1.06E-05	1.87E-06	1.27E-06	4.86E-05	2.51E-05	1.07E-05	1.26E-05	4.93E-06	2.51E-05	1.07E-05
5382	476656.71	3849346.88	6.89E-02	7.05E-02	6.65E-02	2.38E-05	7.20E-05	4.17E-05	4.27E-05	3.87E-05	1.77E-05	1.67E-05	7.96E-07	1.92E-05	4.24E-06	5.80E-06	9.19E-06	1.62E-06	1.10E-06	4.20E-05	2.17E-05	9.22E-06	1.09E-05	4.26E-06	2.17E-05	9.22E-06
5383	476873.55	3849454.53	6.89E-02	7.06E-02	6.66E-02	2.39E-05	7.20E-05	4.17E-05	4.27E-05	3.87E-05	1.77E-05	1.67E-05	7.97E-07	1.92E-05	4.25E-06	5.80E-06	9.20E-06	1.62E-06	1.10E-06	4.20E-05	2.17E-05	9.23E-06	1.09E-05	4.26E-06	2.17E-05	9.23E-06

5384	477700	3849859.7	6.80E-02	6.97E-02	6.57E-02	2.35E-05	7.11E-05	4.12E-05	4.21E-05	3.82E-05	1.74E-05	1.64E-05	7.86E-07	1.90E-05	4.19E-06	5.72E-06	9.08E-06	1.60E-06	1.08E-06	4.15E-05	2.15E-05	9.11E-06	1.07E-05	4.21E-06	2.15E-05	9.11E-06
5385	477743.16	3849856.38	4.82E-02	4.94E-02	4.66E-02	1.67E-05	5.04E-05	2.92E-05	2.99E-05	2.71E-05	1.24E-05	1.17E-05	5.58E-07	1.35E-05	2.97E-06	4.06E-06	6.44E-06	1.13E-06	7.69E-07	2.94E-05	1.52E-05	6.46E-06	7.60E-06	2.99E-06	1.52E-05	6.46E-06
5386	478477.35	3850216.33	5.05E-02	5.17E-02	4.88E-02	1.75E-05	5.27E-05	3.05E-05	3.13E-05	2.83E-05	1.29E-05	1.22E-05	5.83E-07	1.41E-05	3.11E-06	4.25E-06	6.74E-06	1.19E-06	8.05E-07	3.08E-05	1.59E-05	6.76E-06	7.95E-06	3.12E-06	1.59E-05	6.76E-06
5387	478485.8	3850201.6	3.88E-02	3.98E-02	3.75E-02	1.34E-05	4.06E-05	2.35E-05	2.41E-05	2.18E-05	9.95E-06	9.39E-06	4.49E-07	1.08E-05	2.39E-06	3.27E-06	5.18E-06	9.13E-07	6.19E-07	2.37E-05	1.23E-05	5.20E-06	6.11E-06	2.40E-06	1.23E-05	5.20E-06
5388	479113.21	3850501.53	3.58E-02	3.66E-02	3.46E-02	1.24E-05	3.74E-05	2.16E-05	2.22E-05	2.01E-05	9.17E-06	8.65E-06	4.13E-07	9.99E-06	2.20E-06	3.01E-06	4.77E-06	8.41E-07	5.70E-07	2.18E-05	1.13E-05	4.79E-06	5.64E-06	2.21E-06	1.13E-05	4.79E-06
5389	479108.11	3850382.28	1.43E-02	1.47E-02	1.38E-02	4.96E-06	1.50E-05	8.67E-06	8.88E-06	8.05E-06	3.67E-06	3.47E-06	1.66E-07	4.00E-06	8.83E-07	1.21E-06	1.91E-06	3.37E-07	2.29E-07	8.74E-06	4.52E-06	1.92E-06	2.26E-06	8.87E-07	4.52E-06	1.92E-06
5390	479689.85	3850674.28	1.49E-02	1.53E-02	1.44E-02	5.17E-06	1.56E-05	9.03E-06	9.25E-06	8.38E-06	3.82E-06	3.61E-06	1.72E-07	4.17E-06	9.19E-07	1.26E-06	1.99E-06	3.51E-07	2.38E-07	9.09E-06	4.71E-06	2.00E-06	2.35E-06	9.23E-07	4.71E-06	2.00E-06
5391	479952.42	3850774.28	1.29E-02	1.32E-02	1.25E-02	4.47E-06	1.35E-05	7.82E-06	8.01E-06	7.26E-06	3.31E-06	3.12E-06	1.49E-07	3.61E-06	7.96E-07	1.09E-06	1.72E-06	3.04E-07	2.06E-07	7.87E-06	4.08E-06	1.73E-06	2.04E-06	8.00E-07	4.08E-06	1.73E-06
5392	479911.32	3850884.85	3.37E-02	3.45E-02	3.25E-02	1.17E-05	3.52E-05	2.04E-05	2.09E-05	1.89E-05	8.63E-06	8.14E-06	3.89E-07	9.40E-06	2.07E-06	2.83E-06	4.49E-06	7.92E-07	5.37E-07	2.05E-05	1.06E-05	4.51E-06	5.30E-06	2.08E-06	1.06E-05	4.51E-06
5393	480500.92	3851178.12	3.45E-02	3.54E-02	3.34E-02	1.20E-05	3.61E-05	2.09E-05	2.14E-05	1.94E-05	8.85E-06	8.35E-06	3.99E-07	9.64E-06	2.13E-06	2.91E-06	4.61E-06	8.13E-07	5.51E-07	2.11E-05	1.09E-05	4.63E-06	5.44E-06	2.14E-06	1.09E-05	4.63E-06
5394	480738.01	3851289.27	3.24E-02	3.32E-02	3.13E-02	1.12E-05	3.39E-05	1.96E-05	2.01E-05	1.82E-05	8.30E-06	7.83E-06	3.74E-07	9.04E-06	2.00E-06	2.73E-06	4.32E-06	7.62E-07	5.17E-07	1.97E-05	1.02E-05	4.34E-06	5.10E-06	2.00E-06	1.02E-05	4.34E-06
5395	481055.42	3851443.58	3.13E-02	3.21E-02	3.02E-02	1.08E-05	3.27E-05	1.89E-05	1.94E-05	1.76E-05	8.02E-06	7.57E-06	3.62E-07	8.74E-06	1.93E-06	2.63E-06	4.18E-06	7.36E-07	4.99E-07	1.91E-05	9.88E-06	4.19E-06	4.93E-06	1.94E-06	9.88E-06	4.19E-06
5396	481110.22	3851443.15	2.37E-02	2.42E-02	2.29E-02	8.20E-06	2.47E-05	1.43E-05	1.47E-05	1.33E-05	6.07E-06	5.72E-06	2.74E-07	6.61E-06	1.46E-06	1.99E-06	3.16E-06	5.57E-07	3.78E-07	1.44E-05	7.47E-06	3.17E-06	3.73E-06	1.47E-06	7.47E-06	3.17E-06
5397	481111.1	3851417.45	1.92E-02	1.97E-02	1.86E-02	6.66E-06	2.01E-05	1.16E-05	1.19E-05	1.08E-05	4.93E-06	4.65E-06	2.22E-07	5.37E-06	1.19E-06	1.62E-06	2.57E-06	4.53E-07	3.07E-07	1.17E-05	6.07E-06	2.58E-06	3.03E-06	1.19E-06	6.07E-06	2.58E-06
5398	482248.44	3852605.09	3.64E-02	3.72E-02	3.51E-02	1.26E-05	3.80E-05	2.20E-05	2.25E-05	2.04E-05	9.32E-06	8.79E-06	4.20E-07	1.02E-05	2.24E-06	3.06E-06	4.85E-06	8.55E-07	5.80E-07	2.22E-05	1.15E-05	4.87E-06	5.73E-06	2.25E-06	1.15E-05	4.87E-06
5399	482273.34	3852632.31	3.71E-02	3.80E-02	3.59E-02	1.29E-05	3.88E-05	2.25E-05	2.30E-05	2.09E-05	9.52E-06	8.98E-06	4.29E-07	1.04E-05	2.29E-06	3.12E-06	4.96E-06	8.73E-07	5.92E-07	2.26E-05	1.17E-05	4.97E-06	5.85E-06	2.30E-06	1.17E-05	4.97E-06
5400	482665.46	3853038.72	2.94E-02	3.01E-02	2.84E-02	1.02E-05	3.07E-05	1.78E-05	1.82E-05	1.65E-05	7.53E-06	7.11E-06	3.40E-07	8.21E-06	1.81E-06	2.47E-06	3.92E-06	6.91E-07	4.69E-07	1.79E-05	9.27E-06	3.94E-06	4.63E-06	1.82E-06	9.27E-06	3.94E-06
5401	483077.95	3853844.31	9.18E-03	9.40E-03	8.86E-03	3.18E-06	9.59E-06	5.55E-06	5.69E-06	5.15E-06	2.35E-06	2.22E-06	1.06E-07	2.56E-06	5.65E-07	7.72E-07	1.22E-06	2.16E-07	1.46E-07	5.59E-06	2.90E-06	1.23E-06	1.45E-06	5.68E-07	2.90E-06	1.23E-06
5402	483121.38	3853909.38	8.04E-03	8.23E-03	7.76E-03	2.78E-06	8.40E-06	4.86E-06	4.98E-06	4.51E-06	2.06E-06	1.94E-06	9.29E-08	2.24E-06	4.95E-07	6.76E-07	1.07E-06	1.89E-07	1.28E-07	4.90E-06	2.54E-06	1.08E-06	1.27E-06	4.97E-07	2.54E-06	1.08E-06
5403	483492.64	3853911.49	3.70E-03	3.79E-03	3.57E-03	1.28E-06	3.87E-06	2.24E-06	2.29E-06	2.08E-06	9.48E-07	8.94E-07	4.28E-08	1.03E-06	2.28E-07	3.11E-07	4.94E-07	8.70E-08	5.90E-08	2.25E-06	1.17E-06	4.95E-07	5.83E-07	2.29E-07	1.17E-06	4.95E-07
5404	483498.29	3854204.73	3.87E-03	3.96E-03	3.74E-03	1.34E-06	4.04E-06	2.34E-06	2.40E-06	2.17E-06	9.92E-07	9.35E-07	4.47E-08	1.08E-06	2.38E-07	3.25E-07	5.16E-07	9.10E-08	6.17E-08	2.36E-06	1.22E-06	5.18E-07	6.09E-07	2.39E-07	1.22E-06	5.18E-07
5405	484132.44	3854662.55	2.12E-03	2.17E-03	2.04E-03	7.33E-07	2.21E-06	1.28E-06	1.31E-06	1.19E-06	5.43E-07	5.12E-07	2.45E-08	5.91E-07	1.30E-07	1.78E-07	2.82E-07	4.98E-08	3.38E-08	1.29E-06	6.68E-07	2.83E-07	3.33E-07	1.31E-07	6.68E-07	2.83E-07
5406	484627.62	3854876.13	1.92E-03	1.97E-03	1.86E-03	6.65E-07	2.01E-06	1.16E-06	1.19E-06	1.08E-06	4.92E-07	4.64E-07	2.22E-08	5.36E-07	1.18E-07	1.62E-07	2.56E-07	4.52E-08	3.06E-08	1.17E-06	6.06E-07	2.57E-07	3.02E-07	1.19E-07	6.06E-07	2.57E-07
5407	484756.14	3854949.04	1.93E-03	1.97E-03	1.86E-03	6.67E-07	2.01E-06	1.17E-06	1.19E-06	1.08E-06	4.94E-07	4.66E-07	2.23E-08	5.38E-07	1.19E-07	1.62E-07	2.57E-07	4.53E-08	3.07E-08	1.17E-06	6.08E-07	2.58E-07	3.04E-07	1.19E-07	6.08E-07	2.58E-07
5408	486697.51	3856599.17	2.28E-03	2.34E-03	2.21E-03	7.91E-07	2.39E-06	1.38E-06	1.42E-06	1.28E-06	5.86E-07	5.52E-07	2.64E-08	6.38E-07	1.41E-07	1.92E-07	3.05E-07	5.37E-08	3.64E-08	1.39E-06	7.21E-07	3.06E-07	3.60E-07	1.41E-07	7.21E-07	3.06E-07
5409	487105.31	3856962.27	2.56E-03	2.62E-03	2.48E-03	8.87E-07	2.68E-06	1.55E-06	1.59E-06	1.44E-06	6.57E-07	6.19E-07	2.96E-08	7.15E-07	1.58E-07	2.16E-07	3.42E-07	6.03E-08	4.09E-08	1.56E-06	8.09E-07	3.43E-07	4.04E-07	1.59E-07	8.09E-07	3.43E-07
5410	487157.57	3856901.7	2.40E-03	2.45E-03	2.32E-03	8.30E-07	2.51E-06	1.45E-06	1.49E-06	1.35E-06	6.14E-07	5.80E-07	2.77E-08	6.69E-07	1.48E-07	2.02E-07	3.20E-07	5.64E-08	3.82E-08	1.46E-06	7.56E-07	3.21E-07	3.78E-07	1.48E-07	7.56E-07	3.21E-07
5411	487173.5	3856853.74	2.31E-03	2.36E-03	2.23E-03	7.98E-07	2.41E-06	1.39E-06	1.43E-06	1.30E-06	5.91E-07	5.57E-07	2.66E-08	6.44E-07	1.42E-07	1.94E-07	3.08E-07	5.42E-08	3.68E-08	1.41E-06	7.28E-07	3.09E-07	3.63E-07	1.43E-07	7.28E-07	3.09E-07
5412	487564.41	3856860.83	2.04E-03	2.08E-03	1.97E-03	7.05E-07	2.13E-06	1.23E-06	1.26E-06	1.14E-06	5.22E-07	4.92E-07	2.35E-08	5.68E-07	1.25E-07	1.71E-07	2.72E-07	4.79E-08	3.25E-08	1.24E-06	6.42E-07	2.73E-07	3.21E-07	1.26E-07	6.42E-07	2.73E-07
5413	487563.31	3856931.58	2.13E-03	2.18E-03	2.06E-03	7.37E-07	2.22E-06	1.29E-06	1.32E-06	1.20E-06	5.46E-07	5.15E-07	2.46E-08	5.94E-07	1.31E-07	1.79E-07	2.84E-07	5.01E-08	3.39E-08	1.30E-06	6.72E-07	2.85E-07	3.35E-07	1.32E-07	6.72E-07	2.85E-07
5414	487782.7	3856926.85	1.99E-03	2.04E-03	1.93E-03	6.90E-07	2.08E-06	1.21E-06	1.24E-06	1.12E-06	5.11E-07	4.82E-07	2.30E-08	5.57E-07	1.23E-07	1.68E-07	2.66E-07	4.69E-08	3.18E-08	1.22E-06	6.29E-07	2.67E-07	3.14E-07	1.23E-07	6.29E-07	2.67E-07
5415	487782.39	3856757.07	1.82E-03	1.86E-03	1.76E-03	6.29E-07	1.90E-06	1.10E-06	1.13E-06	1.02E-06	4.66E-07	4.39E-07	2.10E-08	5.07E-07	1.12E-07	1.53E-07	2.43E-07	4.27E-08	2.90E-08	1.11E-06	5.73E-07	2.43E-07	2.86E-07	1.12E-07	5.73E-07	2.43E-07
5416	487917.26	3856752.41	1.77E-03	1.81E-03	1.71E-03	6.11E-07	1.84E-06	1.07E-06	1.09E-06	9.92E-07	4.52E-07	4.27E-07	2.04E-08	4.93E-07	1.09E-07	1.49E-07	2.36E-07	4.15E-08	2.82E-08	1.08E-06	5.57E-07	2.36E-07	2.78E-07	1.09E-07	5.57E-07	2.36E-07
5417	487919.57	3856953.35	1.96E-03	2.00E-03	1.89E-03	6.77E-07	2.05E-06	1.18E-06	1.21E-06	1.10E-06	5.02E-07	4.73E-07	2.26E-08	5.46E-07	1.21E-07	1.65E-07	2.61E-07	4.60E-08	3.12E-08	1.19E-06	6.18E-07	2.62E-07	3.08E-07	1.21E-07	6.18E-07	2.62E-07
5418	487932.76	3857000.32	1.99E-03	2.04E-03	1.93E-03	6.90E-07	2.08E-06	1.21E-06	1.24E-06	1.12E-06	5.11E-07	4.82E-07	2.30E-08	5.57E-07	1.23E-07	1.68E-07	2.66E-07	4.69E-08	3.18E-08	1.22E-06	6.29E-07	2.67E-07	3.14E-07	1.23E-07	6.29E-07	2.67E-07
5419	487960.5	3857044.75	2.03E-03	2.08E-03	1.96E-03	7.01E-07	2.12E-06	1.23E-06	1.26E-06	1.14E-06	5.19E-07	4.90E-07	2.34E-08	5.66E-07	1.25E-07	1.71E-07	2.70E-07	4.77E-08	3.23E-08	1.24E-06	6.40E-07	2.71E-07	3.19E-07	1.25E-07	6.40E-07	2.71E-07
5420	488016.54	3857089.54	2.04E-03	2.09E-03	1.97E-03	7.08E-07	2.14E-06	1.24E-06	1.27E-06	1.15E-06	5.24E-07	4.94E-07	2.36E-08	5.71E-07	1.26E-07	1.72E-07	2.73E-07	4.81E-08	3.26E-08	1.25E-06	6.45E-07	2.74E-07	3.22E-07	1.27E-07	6.45E-07	2.74E-07
5421	488114.39	3857165.47	2.08E-03	2.13E-03	2.01E-03	7.21E-07	2.18E-06	1.26E-06	1.29E-06	1.17E-06	5.34E-07	5.04E-07	2.41E-08	5.82E-07	1.28E-07	1.75E-07	2.78E-07	4.90E-08	3.32E-08	1.27E-06	6.58E-07	2.79E-07	3.28E-07	1.29E-07	6.58E-07	2.79E-07
5422	488171.49	3857234.24	2.15E-03	2.20E-03	2.07E-03	7.43E-07	2.24E-06	1.30E-06	1.33E-06	1.21E-06	5.50E-07	5.19E-07	2.48E-08	6.00E-07	1.32E-07	1.81E-07	2.87E-07	5.05E-08	3.42E-08	1.31E-06	6.78E-07	2.88E-07	3.38E-07	1.33E-07	6.78E-07	2.88E-07
5423	488193.16	3857297.8	2.24E-03	2.29E-03	2.16E-03	7.75E-07	2.34E-06	1.35E-06	1.39E-06	1.26E-06	5.74E-07	5.41E-07	2.59E-08	6.25E-07	1.38E-07	1.88E-07	2.99E-07	5.26E-08	3.57E-08	1.36E-06	7.06E-07	3.00E-07	3.52E-07	1.38E-07	7.06E-07	3.00E-07
5424	488189.27	3857649.94	3.01E-03	3.09E-03	2.91E-03	1.04E-06	3.15E-06	1.82E-06	1.87E-06	1.69E-06	7.72E-07	7.28E-07	3.48E-08	8.41E-07	1.86E-07	2.53E-07	4.02E-07	7.09E-08	4.80E-08	1.84E-06	9.51E-07	4.03E-07	4.75E-07	1.86E-07	9.51E-07	4.03E-07
5425	488127.43	3857732.32	3.35E-03	3.44E-03	3.24E-03	1.16E-06	3.51E-06	2.03E-06	2.08E-06	1.88E-06	8.60E-07	8.11E-07	3.88E-08	9.37E-07	2.07E-07	2.82E-07	4.48E-07	7.89E-08	5.35E-08	2.04E-06	1.06E-06	4.49E-07	5.28E-07	2.08E-07	1.06E-06	4.49E-07
5426	488149.93	3857752.94	3.39E-03	3.47E-03	3.27E-03	1.17E-06	3.54E-06	2.05E-06	2.10E-06	1.90E-06	8.68E-07	8.19E-07	3.91E-08	9.45E-07	2.09E-07	2.85E-07	4.52E-07	7.96E-08	5.40E-08	2.06E-06	1.07E-06	4.53E-07	5.33E-07	2.10E-07	1.07E-06	4.53E-07
5427	488144.76	3857758.71	3.41E-03	3.49E-03	3.30E-03	1.18E-06	3.57E-06	2.06E-06	2.11E-06	1.92E-06	8.75E-07	8.25E-07	3.94E-08	9.53E-07	2.10E-07	2.87E-07	4.55E-07	8.03E-08	5.44E-08	2.08E-06	1.08E-06	4.57E-07	5.38E-07	2.11E-07	1.08E-06	4.57E-07
5428	488335.58	3857932.55	3.83E-03	3.92E-03	3.70E-03	1.33E-06	4.00E-06	2.32E-06	2.37E-06	2.15E-06	9.82E-07	9.26E-07	4.43E-08	1.07E-06	2.36E-07	3.22E-07	5.11E-07	9.01E-08	6.11E-08	2.33E-06	1.21E-06	5.13E-07	6.03E-07	2.37E-07	1.21E-06	5.13E-07
5429	488372.29	3857943.79	3.81E-03	3.90E-03	3.68E-03	1.32E-06	3.98E-06	2.30E-06	2.36E-06	2.14E-06	9.76E-07	9.20E-07	4.40E-08	1.06E-06	2.35E-07	3.20E-07	5.08E-07	8.95E-08	6.07E-08	2.32E-06	1.20E-06	5.10E-07	6.00E-07	2.36E-07	1.20E-06	5.10E-07
5430	488828.64	3857936.4	2.99E-03	3.06E-03	2.89E-03	1.03E-06	3.12E-06	1.81E-06	1.85E-06	1.68E-06	7.66E-07	7.22E-07	3.45E-08	8.34E-07	1.84E-07	2.51E-07	3.99E-07	7.03E-08	4.76E-08	1.82E-06	9.43E-07	4.00E-07	4.71E-07	1.85E-07	9.43E-07	4.00E-07
5431	488829.08	3857959.58	3.05E-03	3.12E-03	2.95E-03	1.06E-06	3.19E-06	1.85E-06	1.89E-06	1.71E-06	7.82E-07	7.38E-07	3.53E-08	8.52E-07	1.88E-07	2.57E-07	4.07E-07	7.18E-08	4.87E-08	1.86E-06	9.63E-07	4.09E-07	4.81E-07	1.89E-07	9.63E-07	4.09E-07
5432	488351.61	3857964.55	3.96E-03	4.05E-03	3.82E-03	1.37E-06	4.14E-06	2.40E-06	2.45E-06	2.22E-06	1.01E-06	9.57E-07	4.58E-08	1.11E-06	2.44E-07	3.33E-07	5.28E-07	9.31E-08	6.31E-08	2.41E-06	1.25E-06	5.30E-07	6.24E-07	2.45E-07	1.25E-06	5.30E-07
5433	488316.87	3857947.65	3.95E-03	4.04E-03	3.81E-03	1.37E-06	4.13E-06	2.39E-06	2.45E-06	2.22E-06	1.01E-06	9.55E-07	4.56E-08	1.10E-06	2.43E-07	3.32E-07	5.27E-07	9.29E-08	6.30E-08	2.41E-06	1.25E-06	5.29E-07	6.22E-07	2.44E-07	1.25E-06	5.29E-07
5434	488129.1	3857775.77	3.50E-03	3.59E-03	3.38E-03	1.21E-06	3.66E-06	2.12E-06	2.17E-06	1.97E-06	8.98E-07	8.47E-07	4.05E-08	9.78E-07	2.16E-07	2.95E-07	4.67E-07	8.24E-08	5.59E-08	2.13E-06	1.11E-06	4.69E-07	5.52E-07	2.17E-07	1.11E-06	4.69E-07
5435	488062.53	3857846.13	3.97E-03	4.07E-03	3.84E-03	1.38E-06	4.15E-06	2.40E-06	2.46E-06	2.23E-06	1.02E-06	9.61E-07	4.59E-08	1.11E-06	2.45E-07	3.34E-07	5.31E-07	9.35E-08	6.34E-08	2.42E-06	1.25E-06	5.32E-07	6.26E-07	2.46E-07	1.25E-06	5.32E-07
5436	488330.41	3858091.34	4.79E-03	4.91E-03	4.63E-03	1.66E-06	5.01E-06	2.90E-06	2.97E-06	2.69E-06	1.23E-06	1.16E-06	5.54E-08	1.34E-06	2.95E-07	4.03E-07	6.40E-07	1.13E-07	7.65E-08	2.92E-06	1.51E-06	6.42E-07	7.55E-07	2.97E-07	1.51E-06	6.42E-07
5437	488470.87	3858174.45	4.95E-03	5.07E-03	4.79E-03	1.72E-06	5.18E-06	3.00E-06	3.07E-06	2.78E-06	1.27E-06	1.20E-06	5.73E-08	1.38E-06	3.05E-07	4.17E-07	6.61E-07	1.17E-07	7.90E-08	3.02E-06	1.56E-06	6.63E-07	7.81E-07	3.07E-07	1.56E-06	6.63E-07
5438	488568.9	3858262.31	5.41E-03	5.54E-03	5.23E-03	1.87E-06	5.65E-06	3.27E-06	3.35E-06	3.04E-06	1.39E-06	1.31E-06	6.25E-08	1.51E-06	3.33E-07	4.55E-07	7.22E-07	1.27E-07	8.63E-08	3.30E-06	1.71E-06	7.24E-07	8.52E-07	3.35E-07	1.71E-06	7.24E-07
5439	488964.27	3858025.71	3.04E-03	3.12E-03	2.94E-03	1.05E-06	3.18E-06	1.84E-06	1.89E-06	1.71E-06	7.80E-07	7.35E-07	3.52E-08	8.49E-07	1.87E-07	2.56E-07	4.06E-07	7.16E-08	4.85E-08	1.85E-06	9.60E-07	4.07E-07	4.79E-07	1.88E-07	9.60E-07	4.07E-07
5440	489147.25	3857956.64	2.63E-03	2.69E-03	2.54E-03	9.10E-07	2.75E-06	1.59E-06	1.63E-06	1.48E-06	6.74E-07	6.36E-07	3.04E-08	7.34E-07	1.62E-07	2.21E-07	3.51E-07	6.18E-08	4.19E-08	1.60E-06	8.30E-07	3.52E-07	4.14E-07	1.63E-07	8.30E-07	3.52E-07
5441	489343.52	3857932.45	2.38E-03	2.44E-03	2.30E-03	8.24E-07	2.49E-06	1.44E-06	1.47E-06	1.34E-06	6.10E-07	5.75E-07	2.75E-08	6.64E-07	1.47E-07	2.00E-07	3.18E-07	5.60E-08	3.79E-08	1.45E-06	7.51E-07	3.19E-07	3.75E-07	1.47E-07	7.51E-07	3.19E-07
5442	489866.19	3857923.19	1.98E-03	2.03E-03	1.91E-03	6.86E-07	2.07E-06	1.20E-06	1.23E-06	1.11E-06	5.08E-07	4.79E-07	2.29E-08	5.53E-07	1.22E-07	1.67E-07	2.64E-07	4.66E-08	3.16E-08	1.21E-06	6.25E-07	2.65E-07	3.12E-07	1.23E-07	6.25E-07	2.65E-07
5443	489955.65	3857902.27	1.90E-03	1.95E-03	1.84E-03	6.58E-07	1.99E-06	1.15E-06	1.18E-06	1.07E-06	4.87E-07	4.60E-07	2.20E-08	5.31E-07	1.17E-07	1.60E-07	2.54E-07	4.47E-08	3.03E-08	1.16E-06	6.00E-07	2.55E-07	2.99E-07	1.18E-07	6.00E-07	2.55E-07
5444	490079.44	3857847.9	1.80E-03	1.85E-03	1.74E-03	6.25E-07	1.89E-06	1.09E-06	1.12E-06	1.01E-06	4.63E-07	4.36E-07	2.09E-08	5.04E-07	1.11E-07	1.52E-07	2.41E-07	4.25E-08	2.88E-08	1.10E-06	5.70E-07	2.42E-07	2.84E-07	1.12E-07	5.70E-07	2.42E-07
5445	490108.49	3857934.13	1.86E-03	1.91E-03	1.80E-03	6.45E-07	1.95E-06	1.13E-06	1.16E-06	1.05E-06	4.78E-07	4.51E-07	2.15E-08	5.20E-07	1.15E-07	1.57E-07	2.49E-07	4.39E-08	2.97E-08	1.14E-06	5.88E-07	2.50E-07	2.94E-07	1.15E-07	5.88E-07	2.50E-07
5446	489884.48	3858014.17	2.08E-03	2.13E-03	2.00E-03	7.18E-07	2.17E-06	1.26E-06	1.29E-06	1.17E-06	5.32E-07	5.02E-07	2.40E-08	5.79E-07	1.28E-07	1.75E-07	2.77E-07	4.88E-08	3.31E-08	1.26E-06	6.55E-07	2.78E-07	3.27E-07	1.28E-07	6.55E-07	2.78E-07
5447	489326.56	3858025.86	2.57E-03	2.63E-03	2.48E-03	8.88E-07	2.68E-06	1.55E-06	1.59E-06	1.44E-06	6.58E-07	6.21E-07	2.97E-08	7.17E-07	1.58E-07	2.16E-07	3.43E-07	6.04E-08	4.09E-08	1.56E-06	8.10E-07	3.44E-07	4.04E-07	1.59E-07	8.10E-07	3.44E-07
5448	489130.38	3858056.71	2.87E-03	2.94E-03	2.77E-03	9.92E-07	3.00E-06	1.73E-06	1.78E-06	1.61E-06	7.35E-07	6.93E-07	3.31E-08	8.00E-07	1.77E-07	2.41E-07	3.83E-07	6.74E-08	4.57E-08	1.75E-06	9.05E-07	3.84E-07	4.52E-07	1.77E-07	9.05E-07	3.84E-07
5449	488936.49	3858143.93	3.48E-03	3.56E-03	3.36E-03	1.20E-06	3.64E-06	2.11E-06	2.16E-06	1.96E-06	8.92E-07	8.41E-07	4.02E-08	9.72E-07	2.14E-07	2.93E-07	4.65E-07	8.19E-08	5.55E-08	2.12E-06	1.10E-06	4.66E-07	5.48E-07	2.15E-07	1.10E-06	4.66E-07
5450	488638.08	3858327.45	5.69E-03	5.83E-03	5.50E-03	1.97E-06	5.95E-06	3.45E-06	3.53E-06	3.20E-06	1.46E-06	1.38E-06	6.58E-08	1.59E-06	3.51E-07	4.79E-07	7.60E-07	1.34E-07	9.08E-08	3.47E-06	1.80E-06	7.62E-07	8.97E-07	3.52E-07	1.80E-06	7.62E-07
5451	488663.79	3858349.57	5.78E-03	5.92E-03	5.58E-03	2.00E-06	6.04E-06	3.50E-06	3.58E-06	3.25E-06	1.48E-06	1.40E-06	6.68E-08	1.61E-06	3.56E-07	4.86E-07	7.71E-07	1.36E-07	9.22E-08	3.52E-06	1.82E-06	7.74E-07	9.10E-07	3.58E-07	1.82E-06	7.74E-07
5452	488694.56	3858349.5	5.60E-03	5.73E-03	5.41E-03	1.94E-06	5.85E-06	3.39E-06	3.47E-06	3.14E-06	1.43E-06	1.35E-06	6.47E-08	1.56E-06	3.45E-07	4.71E-07	7.47E-07	1.32E-07	8.93E-08	3.41E-06	1.77E-06	7.49E-07	8.82E-07	3.46E-07	1.77E-06	7.49E-07
5453	488694.35	3858336.75	5.47E-03	5.60E-03	5.28E-03	1.89E-06	5.72E-06	3.31E-06	3.39E-06	3.07E-06	1.40E-06	1.32E-06	6.32E-08	1.53E-06	3.37E-07	4.60E-07	7.30E-07	1.29E-07	8.72E-08	3.33E-06	1.73E-06	7.32E-07	8.61E-07	3.38E-07	1.73E-06	7.32E-07
5454	488712.81	3858336.38	5.37E-03	5.50E-03	5.18E-03	1.86E-06	5.61E-06	3.25E-06	3.33E-06	3.01E-06	1.38E-06	1.30E-06	6.20E-08	1.50E-06	3.31E-07	4.52E-07	7.16E-07	1.26E-07	8.56E-08	3.27E-06	1.69E-06	7.19E-07	8.45E-07	3.32E-07	1.69E-06	7.19E-07
5455	488713.23	3858367.46	5.68E-03	5.82E-03	5.49E-03	1.97E-06	5.93E-06	3.44E-06	3.52E-06	3.19E-06	1.46E-06	1.37E-06	6.56E-08	1.59E-06	3.50E-07	4.78E-07	7.58E-07	1.34E-07	9.06E-08	3.46E-06	1.79E-06	7.60E-07	8.94E-07	3.51E-07	1.79E-06	7.60E-07
5456	488704.63	3858384.05	5.92E-03	6.06E-03	5.72E-03	2.05E-06	6.19E-06	3.58E-06	3.67E-06	3.33E-06	1.52E-06	1.43E-06	6.84E-08	1.65E-06	3.65E-07	4.98E-07	7.90E-07	1.39E-07	9.44E-08	3.61E-06	1.87E-06	7.93E-07	9.33E-07	3.66E-07	1.87E-06	7.93E-07
5457	488604.15	3858488.29	8.73E-03	8.94E-03	8.43E-03	3.02E-06	9.12E-06	5.28E-06	5.41E-06	4.90E-06	2.24E-06	2.11E-06	1.01E-07	2.44E-06	5.38E-07	7.34E-07	1.16E-06	2.05E-07	1.39E-07	5.32E-06	2.75E-06	1.17E-06	1.37E-06	5.40E-07	2.75E-06	1.17E-06
5458	488605.66	3858550.47	1.07E-02	1.10E-02	1.04E-02	3.72E-06	1.12E-05	6.50E-06	6.66E-06	6.04E-06	2.75E-06	2.60E-06	1.24E-07	3.00E-06	6.62E-07	9.04E-07	1.43E-06	2.53E-07	1.71E-07	6.55E-06	3.39E-06	1.44E-06	1.69E-06	6.65E-07	3.39E-06	1.44E-06
5459	488692.68	3858548.71	9.07E-03	9.29E-03	8.76E-03	3.14E-06	9.48E-06	5.49E-06	5.62E-06	5.09E-06	2.32E-06	2.19E-06	1.05E-07	2.53E-06	5.59E-07	7.63E-07	1.21E-06	2.13E-07	1.45E-07	5.53E-06	2.86E-06	1.21E-06	1.43E-06	5.61E-07	2.86E-06	1.21E-06
5460	488759.93	3858461.81	6.53E-03	6.69E-03	6.31E-03	2.26E-06	6.83E-06	3.95E-06	4.05E-06	3.67E-06	1.67E-06	1.58E-06	7.55E-08	1.82E-06	4.03E-07	5.50E-07	8.72E-07	1.54E-07	1.04E-07	3.98E-06	2.06E-06	8.75E-07	1.03E-06	4.04E-07	2.06E-06	8.75E-07

5461	488816.57	3858541.79	7.34E-03	7.52E-03	7.09E-03	2.54E-06	7.67E-06	4.44E-06	4.55E-06	4.12E-06	1.88E-06	1.77E-06	8.48E-08	2.05E-06	4.52E-07	6.17E-07	9.79E-07	1.73E-07	1.17E-07	4.47E-06	2.32E-06	9.83E-07	1.16E-06	4.54E-07	2.32E-06	9.83E-07
5462	488944.63	3858656.77	8.26E-03	8.46E-03	7.98E-03	2.86E-06	8.64E-06	5.00E-06	5.12E-06	4.64E-06	2.12E-06	2.00E-06	9.55E-08	2.31E-06	5.09E-07	6.95E-07	1.10E-06	1.94E-07	1.32E-07	5.04E-06	2.61E-06	1.11E-06	1.30E-06	5.11E-07	2.61E-06	1.11E-06
5463	489134.91	3858830.7	1.03E-02	1.05E-02	9.95E-03	3.56E-06	1.08E-05	6.23E-06	6.38E-06	5.78E-06	2.64E-06	2.49E-06	1.19E-07	2.88E-06	6.34E-07	8.66E-07	1.37E-06	2.42E-07	1.64E-07	6.28E-06	3.25E-06	1.38E-06	1.62E-06	6.37E-07	3.25E-06	1.38E-06
5464	489193.99	3858886.05	1.12E-02	1.15E-02	1.08E-02	3.88E-06	1.17E-05	6.79E-06	6.95E-06	6.30E-06	2.88E-06	2.71E-06	1.30E-07	3.13E-06	6.91E-07	9.44E-07	1.50E-06	2.64E-07	1.79E-07	6.84E-06	3.54E-06	1.50E-06	1.77E-06	6.95E-07	3.54E-06	1.50E-06
5465	489295.2	3858954.34	1.18E-02	1.21E-02	1.14E-02	4.09E-06	1.24E-05	7.16E-06	7.33E-06	6.65E-06	3.03E-06	2.86E-06	1.37E-07	3.30E-06	7.29E-07	9.95E-07	1.58E-06	2.78E-07	1.89E-07	7.21E-06	3.73E-06	1.58E-06	1.86E-06	7.32E-07	3.73E-06	1.58E-06
5466	489295.64	3858992.74	1.41E-02	1.44E-02	1.36E-02	4.87E-06	1.47E-05	8.52E-06	8.72E-06	7.91E-06	3.61E-06	3.40E-06	1.63E-07	3.93E-06	8.67E-07	1.18E-06	1.88E-06	3.31E-07	2.24E-07	8.58E-06	4.44E-06	1.88E-06	2.22E-06	8.71E-07	4.44E-06	1.88E-06
5467	489183.74	3858911.72	1.28E-02	1.31E-02	1.24E-02	4.43E-06	1.34E-05	7.74E-06	7.93E-06	7.19E-06	3.28E-06	3.09E-06	1.48E-07	3.57E-06	7.88E-07	1.08E-06	1.71E-06	3.01E-07	2.04E-07	7.80E-06	4.04E-06	1.71E-06	2.02E-06	7.92E-07	4.04E-06	1.71E-06
5468	488873.37	3858625.59	8.45E-03	8.66E-03	8.17E-03	2.93E-06	8.84E-06	5.12E-06	5.24E-06	4.75E-06	2.17E-06	2.04E-06	9.77E-08	2.36E-06	5.21E-07	7.11E-07	1.13E-06	1.99E-07	1.35E-07	5.15E-06	2.67E-06	1.13E-06	1.33E-06	5.23E-07	2.67E-06	1.13E-06
5469	488842.84	3858658.69	9.92E-03	1.02E-02	9.58E-03	3.43E-06	1.04E-05	6.00E-06	6.15E-06	5.57E-06	2.54E-06	2.40E-06	1.15E-07	2.77E-06	6.11E-07	8.35E-07	1.32E-06	2.33E-07	1.58E-07	6.05E-06	3.13E-06	1.33E-06	1.56E-06	6.14E-07	3.13E-06	1.33E-06
5470	488856.39	3858670.93	1.01E-02	1.03E-02	9.73E-03	3.49E-06	1.05E-05	6.10E-06	6.24E-06	5.66E-06	2.58E-06	2.44E-06	1.16E-07	2.81E-06	6.21E-07	8.48E-07	1.34E-06	2.37E-07	1.61E-07	6.14E-06	3.18E-06	1.35E-06	1.59E-06	6.23E-07	3.18E-06	1.35E-06
5471	488805.7	3858724.5	1.42E-02	1.45E-02	1.37E-02	4.90E-06	1.48E-05	8.57E-06	8.77E-06	7.95E-06	3.63E-06	3.42E-06	1.64E-07	3.95E-06	8.72E-07	1.19E-06	1.89E-06	3.33E-07	2.26E-07	8.63E-06	4.47E-06	1.90E-06	2.23E-06	8.76E-07	4.47E-06	1.90E-06
5472	488805.87	3858804.16	2.35E-02	2.40E-02	2.27E-02	8.12E-06	2.45E-05	1.42E-05	1.45E-05	1.32E-05	6.01E-06	5.67E-06	2.71E-07	6.55E-06	1.45E-06	1.97E-06	3.13E-06	5.52E-07	3.74E-07	1.43E-05	7.40E-06	3.14E-06	3.70E-06	1.45E-06	7.40E-06	3.14E-06
5473	488995.78	3858936.96	3.03E-02	3.10E-02	2.93E-02	1.05E-05	3.17E-05	1.83E-05	1.88E-05	1.70E-05	7.76E-06	7.32E-06	3.50E-07	8.46E-06	1.87E-06	2.55E-06	4.04E-06	7.13E-07	4.83E-07	1.85E-05	9.56E-06	4.06E-06	4.77E-06	1.87E-06	9.56E-06	4.06E-06
5474	489130.76	3859017.38	3.23E-02	3.31E-02	3.12E-02	1.12E-05	3.37E-05	1.95E-05	2.00E-05	1.81E-05	8.28E-06	7.81E-06	3.73E-07	9.02E-06	1.99E-06	2.72E-06	4.31E-06	7.60E-07	5.15E-07	1.97E-05	1.02E-05	4.32E-06	5.09E-06	2.00E-06	1.02E-05	4.32E-06
5475	489130.92	3859052.24	4.98E-02	5.10E-02	4.81E-02	1.72E-05	5.20E-05	3.01E-05	3.08E-05	2.80E-05	1.28E-05	1.20E-05	5.75E-07	1.39E-05	3.07E-06	4.19E-06	6.64E-06	1.17E-06	7.94E-07	3.03E-05	1.57E-05	6.66E-06	7.84E-06	3.08E-06	1.57E-05	6.66E-06
5476	489200.33	3859090.6	4.97E-02	5.09E-02	4.80E-02	1.72E-05	5.19E-05	3.01E-05	3.08E-05	2.79E-05	1.27E-05	1.20E-05	5.74E-07	1.39E-05	3.06E-06	4.18E-06	6.63E-06	1.17E-06	7.92E-07	3.03E-05	1.57E-05	6.65E-06	7.82E-06	3.07E-06	1.57E-05	6.65E-06
5477	489296.07	3859143.7	4.95E-02	5.07E-02	4.79E-02	1.71E-05	5.18E-05	3.00E-05	3.07E-05	2.78E-05	1.27E-05	1.20E-05	5.73E-07	1.38E-05	3.05E-06	4.17E-06	6.61E-06	1.17E-06	7.90E-07	3.02E-05	1.56E-05	6.63E-06	7.80E-06	3.07E-06	1.56E-05	6.63E-06
5478	489296.43	3858954.74	1.18E-02	1.21E-02	1.14E-02	4.09E-06	1.23E-05	7.15E-06	7.32E-06	6.64E-06	3.03E-06	2.86E-06	1.37E-07	3.30E-06	7.28E-07	9.94E-07	1.58E-06	2.78E-07	1.88E-07	7.20E-06	3.73E-06	1.58E-06	1.86E-06	7.31E-07	3.73E-06	1.58E-06
5479	489410.33	3859033.19	1.26E-02	1.30E-02	1.22E-02	4.38E-06	1.32E-05	7.65E-06	7.84E-06	7.11E-06	3.24E-06	3.06E-06	1.46E-07	3.53E-06	7.79E-07	1.06E-06	1.69E-06	2.98E-07	2.02E-07	7.71E-06	3.99E-06	1.69E-06	1.99E-06	7.83E-07	3.99E-06	1.69E-06
5480	489371.37	3859089.8	1.94E-02	1.99E-02	1.87E-02	6.72E-06	2.03E-05	1.17E-05	1.20E-05	1.09E-05	4.97E-06	4.69E-06	2.24E-07	5.42E-06	1.20E-06	1.63E-06	2.59E-06	4.56E-07	3.09E-07	1.18E-05	6.12E-06	2.60E-06	3.06E-06	1.20E-06	6.12E-06	2.60E-06
5481	489390.52	3859102.82	1.97E-02	2.02E-02	1.91E-02	6.83E-06	2.06E-05	1.19E-05	1.22E-05	1.11E-05	5.06E-06	4.77E-06	2.28E-07	5.51E-06	1.22E-06	1.66E-06	2.63E-06	4.64E-07	3.15E-07	1.20E-05	6.23E-06	2.64E-06	3.11E-06	1.22E-06	6.23E-06	2.64E-06
5482	489382.3	3859114.53	2.22E-02	2.27E-02	2.15E-02	7.69E-06	2.32E-05	1.34E-05	1.38E-05	1.25E-05	5.69E-06	5.37E-06	2.57E-07	6.20E-06	1.37E-06	1.87E-06	2.96E-06	5.22E-07	3.54E-07	1.35E-05	7.01E-06	2.97E-06	3.50E-06	1.37E-06	7.01E-06	2.97E-06
5483	489363.04	3859102.45	2.20E-02	2.25E-02	2.12E-02	7.60E-06	2.29E-05	1.33E-05	1.36E-05	1.23E-05	5.63E-06	5.31E-06	2.54E-07	6.13E-06	1.35E-06	1.85E-06	2.93E-06	5.17E-07	3.50E-07	1.34E-05	6.93E-06	2.94E-06	3.46E-06	1.36E-06	6.93E-06	2.94E-06
5484	489337.52	3859140.71	3.58E-02	3.67E-02	3.46E-02	1.24E-05	3.74E-05	2.17E-05	2.22E-05	2.01E-05	9.17E-06	8.65E-06	4.14E-07	9.99E-06	2.21E-06	3.01E-06	4.78E-06	8.42E-07	5.71E-07	2.18E-05	1.13E-05	4.79E-06	5.64E-06	2.21E-06	1.13E-05	4.79E-06
5485	489375.14	3859164.55	3.72E-02	3.81E-02	3.60E-02	1.29E-05	3.89E-05	2.25E-05	2.31E-05	2.09E-05	9.54E-06	9.00E-06	4.30E-07	1.04E-05	2.29E-06	3.13E-06	4.97E-06	8.76E-07	5.94E-07	2.27E-05	1.17E-05	4.98E-06	5.86E-06	2.30E-06	1.17E-05	4.98E-06
5486	489409.3	3859114.5	1.99E-02	2.04E-02	1.92E-02	6.90E-06	2.08E-05	1.21E-05	1.23E-05	1.12E-05	5.11E-06	4.82E-06	2.30E-07	5.56E-06	1.23E-06	1.68E-06	2.66E-06	4.69E-07	3.18E-07	1.21E-05	6.29E-06	2.67E-06	3.14E-06	1.23E-06	6.29E-06	2.67E-06
5487	489434.87	3859131.81	2.04E-02	2.09E-02	1.97E-02	7.05E-06	2.13E-05	1.23E-05	1.26E-05	1.14E-05	5.22E-06	4.93E-06	2.36E-07	5.69E-06	1.26E-06	1.71E-06	2.72E-06	4.79E-07	3.25E-07	1.24E-05	6.43E-06	2.73E-06	3.21E-06	1.26E-06	6.43E-06	2.73E-06
5488	489471.87	3859075.75	1.31E-02	1.35E-02	1.27E-02	4.55E-06	1.37E-05	7.95E-06	8.15E-06	7.38E-06	3.37E-06	3.18E-06	1.52E-07	3.67E-06	8.10E-07	1.11E-06	1.75E-06	3.09E-07	2.10E-07	8.01E-06	4.15E-06	1.76E-06	2.07E-06	8.13E-07	4.15E-06	1.76E-06
5489	489602.62	3859164.69	1.43E-02	1.46E-02	1.38E-02	4.94E-06	1.49E-05	8.63E-06	8.84E-06	8.02E-06	3.66E-06	3.45E-06	1.65E-07	3.98E-06	8.79E-07	1.20E-06	1.90E-06	3.36E-07	2.28E-07	8.70E-06	4.50E-06	1.91E-06	2.25E-06	8.83E-07	4.50E-06	1.91E-06
5490	489558.29	3859232.45	2.65E-02	2.71E-02	2.56E-02	9.17E-06	2.77E-05	1.60E-05	1.64E-05	1.49E-05	6.79E-06	6.40E-06	3.06E-07	7.39E-06	1.63E-06	2.23E-06	3.53E-06	6.23E-07	4.22E-07	1.61E-05	8.36E-06	3.55E-06	4.17E-06	1.64E-06	8.36E-06	3.55E-06
5491	489620.11	3859273.56	2.83E-02	2.90E-02	2.74E-02	9.80E-06	2.96E-05	1.71E-05	1.75E-05	1.59E-05	7.26E-06	6.85E-06	3.27E-07	7.91E-06	1.74E-06	2.38E-06	3.78E-06	6.66E-07	4.52E-07	1.73E-05	8.94E-06	3.79E-06	4.46E-06	1.75E-06	8.94E-06	3.79E-06
5492	489666.06	3859206.42	1.48E-02	1.52E-02	1.43E-02	5.12E-06	1.55E-05	8.96E-06	9.17E-06	8.31E-06	3.79E-06	3.58E-06	1.71E-07	4.13E-06	9.12E-07	1.25E-06	1.98E-06	3.48E-07	2.36E-07	9.02E-06	4.67E-06	1.98E-06	2.33E-06	9.16E-07	4.67E-06	1.98E-06
5493	489787.9	3859285.65	1.58E-02	1.62E-02	1.53E-02	5.48E-06	1.65E-05	9.58E-06	9.81E-06	8.89E-06	4.06E-06	3.83E-06	1.83E-07	4.42E-06	9.75E-07	1.33E-06	2.11E-06	3.72E-07	2.52E-07	9.65E-06	5.00E-06	2.12E-06	2.49E-06	9.80E-07	5.00E-06	2.12E-06
5494	489752.17	3859343.13	2.75E-02	2.82E-02	2.66E-02	9.53E-06	2.88E-05	1.67E-05	1.71E-05	1.55E-05	7.06E-06	6.66E-06	3.18E-07	7.69E-06	1.70E-06	2.32E-06	3.67E-06	6.48E-07	4.39E-07	1.68E-05	8.69E-06	3.69E-06	4.34E-06	1.70E-06	8.69E-06	3.69E-06
5495	489814.94	3859385.33	2.96E-02	3.04E-02	2.86E-02	1.03E-05	3.10E-05	1.79E-05	1.84E-05	1.67E-05	7.60E-06	7.17E-06	3.43E-07	8.28E-06	1.83E-06	2.49E-06	3.96E-06	6.97E-07	4.73E-07	1.81E-05	9.36E-06	3.97E-06	4.67E-06	1.83E-06	9.36E-06	3.97E-06
5496	489853.42	3859330.74	1.67E-02	1.71E-02	1.61E-02	5.78E-06	1.74E-05	1.01E-05	1.03E-05	9.38E-06	4.28E-06	4.04E-06	1.93E-07	4.66E-06	1.03E-06	1.40E-06	2.23E-06	3.93E-07	2.66E-07	1.02E-05	5.27E-06	2.24E-06	2.63E-06	1.03E-06	5.27E-06	2.24E-06
5497	489969.5	3859401.91	1.75E-02	1.79E-02	1.69E-02	6.06E-06	1.83E-05	1.06E-05	1.09E-05	9.84E-06	4.49E-06	4.23E-06	2.02E-07	4.89E-06	1.08E-06	1.47E-06	2.34E-06	4.12E-07	2.79E-07	1.07E-05	5.53E-06	2.34E-06	2.76E-06	1.08E-06	5.53E-06	2.34E-06
5498	490166.91	3859486.96	1.60E-02	1.64E-02	1.55E-02	5.54E-06	1.67E-05	9.68E-06	9.91E-06	8.99E-06	4.10E-06	3.87E-06	1.85E-07	4.47E-06	9.85E-07	1.35E-06	2.13E-06	3.76E-07	2.55E-07	9.75E-06	5.05E-06	2.14E-06	2.52E-06	9.90E-07	5.05E-06	2.14E-06
5499	490128.86	3859571.46	4.00E-02	4.10E-02	3.87E-02	1.39E-05	4.19E-05	2.42E-05	2.48E-05	2.25E-05	1.03E-05	9.68E-06	4.63E-07	1.12E-05	2.47E-06	3.37E-06	5.35E-06	9.42E-07	6.39E-07	2.44E-05	1.26E-05	5.36E-06	6.31E-06	2.48E-06	1.26E-05	5.36E-06
5500	490186.65	3859593.65	4.04E-02	4.13E-02	3.90E-02	1.40E-05	4.22E-05	2.44E-05	2.50E-05	2.27E-05	1.03E-05	9.76E-06	4.66E-07	1.13E-05	2.49E-06	3.40E-06	5.39E-06	9.49E-07	6.44E-07	2.46E-05	1.27E-05	5.40E-06	6.36E-06	2.50E-06	1.27E-05	5.40E-06
5501	490223.74	3859517.48	1.66E-02	1.70E-02	1.61E-02	5.76E-06	1.74E-05	1.01E-05	1.03E-05	9.35E-06	4.27E-06	4.02E-06	1.92E-07	4.65E-06	1.03E-06	1.40E-06	2.22E-06	3.91E-07	2.65E-07	1.01E-05	5.25E-06	2.23E-06	2.62E-06	1.03E-06	5.25E-06	2.23E-06
5502	490846.34	3859817.22	2.42E-02	2.48E-02	2.34E-02	8.38E-06	2.53E-05	1.46E-05	1.50E-05	1.36E-05	6.21E-06	5.85E-06	2.80E-07	6.76E-06	1.49E-06	2.04E-06	3.23E-06	5.70E-07	3.86E-07	1.48E-05	7.64E-06	3.24E-06	3.81E-06	1.50E-06	7.64E-06	3.24E-06
5503	490925.65	3859844.59	2.24E-02	2.29E-02	2.16E-02	7.75E-06	2.34E-05	1.35E-05	1.39E-05	1.26E-05	5.74E-06	5.41E-06	2.59E-07	6.25E-06	1.38E-06	1.88E-06	2.99E-06	5.26E-07	3.57E-07	1.36E-05	7.06E-06	3.00E-06	3.53E-06	1.38E-06	7.06E-06	3.00E-06
5504	491159.29	3859896.28	1.57E-02	1.61E-02	1.52E-02	5.43E-06	1.64E-05	9.50E-06	9.73E-06	8.82E-06	4.02E-06	3.80E-06	1.81E-07	4.38E-06	9.67E-07	1.32E-06	2.10E-06	3.69E-07	2.50E-07	9.57E-06	4.95E-06	2.10E-06	2.47E-06	9.71E-07	4.95E-06	2.10E-06
5505	491370.69	3859960.89	1.20E-02	1.23E-02	1.16E-02	4.15E-06	1.25E-05	7.25E-06	7.43E-06	6.73E-06	3.07E-06	2.90E-06	1.39E-07	3.35E-06	7.39E-07	1.01E-06	1.60E-06	2.82E-07	1.91E-07	7.31E-06	3.78E-06	1.61E-06	1.89E-06	7.42E-07	3.78E-06	1.61E-06
5506	491330.28	3860063.17	2.24E-02	2.29E-02	2.16E-02	7.74E-06	2.34E-05	1.35E-05	1.39E-05	1.26E-05	5.73E-06	5.41E-06	2.58E-07	6.24E-06	1.38E-06	1.88E-06	2.98E-06	5.26E-07	3.57E-07	1.36E-05	7.06E-06	2.99E-06	3.52E-06	1.38E-06	7.06E-06	2.99E-06
5507	491636.45	3860180.75	1.20E-02	1.23E-02	1.16E-02	4.15E-06	1.25E-05	7.26E-06	7.44E-06	6.74E-06	3.08E-06	2.90E-06	1.39E-07	3.35E-06	7.39E-07	1.01E-06	1.60E-06	2.82E-07	1.91E-07	7.31E-06	3.79E-06	1.61E-06	1.89E-06	7.43E-07	3.79E-06	1.61E-06
5508	491617.94	3860203.93	1.39E-02	1.42E-02	1.34E-02	4.80E-06	1.45E-05	8.39E-06	8.59E-06	7.79E-06	3.55E-06	3.35E-06	1.60E-07	3.87E-06	8.54E-07	1.17E-06	1.85E-06	3.26E-07	2.21E-07	8.45E-06	4.37E-06	1.86E-06	2.18E-06	8.58E-07	4.37E-06	1.86E-06
5509	491805.68	3860271.59	1.04E-02	1.06E-02	1.00E-02	3.59E-06	1.08E-05	6.28E-06	6.43E-06	5.83E-06	2.66E-06	2.51E-06	1.20E-07	2.90E-06	6.40E-07	8.73E-07	1.39E-06	2.44E-07	1.66E-07	6.33E-06	3.28E-06	1.39E-06	1.64E-06	6.42E-07	3.28E-06	1.39E-06
5510	491654.23	3860414.02	5.36E-02	5.49E-02	5.18E-02	1.86E-05	5.61E-05	3.24E-05	3.32E-05	3.01E-05	1.37E-05	1.30E-05	6.20E-07	1.50E-05	3.30E-06	4.51E-06	7.16E-06	1.26E-06	8.55E-07	3.27E-05	1.69E-05	7.18E-06	8.45E-06	3.32E-06	1.69E-05	7.18E-06
5511	491592.62	3860510.76	1.04E-02	1.06E-02	1.00E-02	3.59E-06	1.08E-05	6.27E-06	6.42E-06	5.82E-06	2.66E-06	2.51E-06	1.20E-07	2.89E-06	6.39E-07	8.72E-07	1.38E-06	2.44E-07	1.65E-07	6.32E-06	3.27E-06	1.39E-06	1.63E-06	6.41E-07	3.27E-06	1.39E-06
5512	491475.41	3860368.93	1.74E-02	1.79E-02	1.68E-02	6.04E-06	1.82E-05	1.06E-05	1.08E-05	9.80E-06	4.47E-06	4.22E-06	2.02E-07	4.87E-06	1.07E-06	1.47E-06	2.33E-06	4.10E-07	2.78E-07	1.06E-05	5.50E-06	2.34E-06	2.75E-06	1.08E-06	5.50E-06	2.34E-06
5513	491445.61	3860337.28	1.94E-02	1.99E-02	1.87E-02	6.71E-06	2.03E-05	1.17E-05	1.20E-05	1.09E-05	4.97E-06	4.69E-06	2.24E-07	5.41E-06	1.19E-06	1.63E-06	2.59E-06	4.56E-07	3.09E-07	1.18E-05	6.12E-06	2.60E-06	3.05E-06	1.20E-06	6.12E-06	2.60E-06
5514	491399.05	3860300.37	1.97E-02	2.02E-02	1.91E-02	6.83E-06	2.06E-05	1.19E-05	1.22E-05	1.11E-05	5.06E-06	4.77E-06	2.28E-07	5.51E-06	1.22E-06	1.66E-06	2.63E-06	4.64E-07	3.15E-07	1.20E-05	6.23E-06	2.64E-06	3.11E-06	1.22E-06	6.23E-06	2.64E-06
5515	491228.84	3860235.98	9.70E-03	9.94E-03	9.37E-03	3.36E-06	1.01E-05	5.87E-06	6.01E-06	5.45E-06	2.49E-06	2.35E-06	1.12E-07	2.71E-06	5.98E-07	8.16E-07	1.30E-06	2.28E-07	1.55E-07	5.91E-06	3.06E-06	1.30E-06	1.53E-06	6.00E-07	3.06E-06	1.30E-06
5516	491228.47	3860174.57	1.85E-02	1.89E-02	1.78E-02	6.40E-06	1.93E-05	1.12E-05	1.14E-05	1.04E-05	4.74E-06	4.47E-06	2.14E-07	5.16E-06	1.14E-06	1.55E-06	2.47E-06	4.35E-07	2.95E-07	1.13E-05	5.83E-06	2.47E-06	2.91E-06	1.14E-06	5.83E-06	2.47E-06
5517	491145.77	3860112.55	1.83E-02	1.88E-02	1.77E-02	6.35E-06	1.92E-05	1.11E-05	1.14E-05	1.03E-05	4.70E-06	4.44E-06	2.12E-07	5.12E-06	1.13E-06	1.54E-06	2.45E-06	4.32E-07	2.93E-07	1.12E-05	5.79E-06	2.46E-06	2.89E-06	1.14E-06	5.79E-06	2.46E-06
5518	490844.41	3859966.22	1.71E-02	1.75E-02	1.65E-02	5.92E-06	1.79E-05	1.03E-05	1.06E-05	9.60E-06	4.38E-06	4.13E-06	1.98E-07	4.77E-06	1.05E-06	1.44E-06	2.28E-06	4.02E-07	2.73E-07	1.04E-05	5.39E-06	2.29E-06	2.69E-06	1.06E-06	5.39E-06	2.29E-06
5519	490845.55	3859928.15	3.78E-02	3.87E-02	3.65E-02	1.31E-05	3.95E-05	2.29E-05	2.34E-05	2.12E-05	9.68E-06	9.13E-06	4.37E-07	1.05E-05	2.33E-06	3.18E-06	5.04E-06	8.89E-07	6.03E-07	2.30E-05	1.19E-05	5.06E-06	5.95E-06	2.34E-06	1.19E-05	5.06E-06
5520	490046.91	3859625.6	2.52E-02	2.58E-02	2.44E-02	8.73E-06	2.64E-05	1.53E-05	1.56E-05	1.42E-05	6.47E-06	6.10E-06	2.92E-07	7.04E-06	1.55E-06	2.12E-06	3.37E-06	5.93E-07	4.02E-07	1.54E-05	7.96E-06	3.38E-06	3.97E-06	1.56E-06	7.96E-06	3.38E-06
5521	489970.48	3859589.4	2.64E-02	2.71E-02	2.55E-02	9.15E-06	2.76E-05	1.60E-05	1.64E-05	1.48E-05	6.77E-06	6.39E-06	3.05E-07	7.38E-06	1.63E-06	2.22E-06	3.53E-06	6.22E-07	4.21E-07	1.61E-05	8.34E-06	3.54E-06	4.16E-06	1.64E-06	8.34E-06	3.54E-06
5522	489865.89	3859529.06	2.89E-02	2.96E-02	2.79E-02	9.99E-06	3.02E-05	1.75E-05	1.79E-05	1.62E-05	7.40E-06	6.98E-06	3.34E-07	8.06E-06	1.78E-06	2.43E-06	3.85E-06	6.79E-07	4.60E-07	1.76E-05	9.11E-06	3.87E-06	4.55E-06	1.79E-06	9.11E-06	3.87E-06
5523	489826.89	3859531.74	1.86E-02	1.91E-02	1.80E-02	6.45E-06	1.95E-05	1.13E-05	1.15E-05	1.05E-05	4.77E-06	4.50E-06	2.15E-07	5.20E-06	1.15E-06	1.57E-06	2.49E-06	4.38E-07	2.97E-07	1.14E-05	5.88E-06	2.49E-06	2.93E-06	1.15E-06	5.88E-06	2.49E-06
5524	489410.47	3859303.06	1.84E-02	1.89E-02	1.78E-02	6.38E-06	1.93E-05	1.12E-05	1.14E-05	1.04E-05	4.73E-06	4.46E-06	2.13E-07	5.15E-06	1.14E-06	1.55E-06	2.46E-06	4.34E-07	2.94E-07	1.12E-05	5.82E-06	2.47E-06	2.90E-06	1.14E-06	5.82E-06	2.47E-06
5525	489407.15	3859286.09	2.39E-02	2.44E-02	2.31E-02	8.26E-06	2.49E-05	1.44E-05	1.48E-05	1.34E-05	6.12E-06	5.77E-06	2.76E-07	6.66E-06	1.47E-06	2.01E-06	3.19E-06	5.61E-07	3.81E-07	1.45E-05	7.53E-06	3.20E-06	3.76E-06	1.48E-06	7.53E-06	3.20E-06
5526	488806.07	3858963.62	2.05E-02	2.10E-02	1.98E-02	7.09E-06	2.14E-05	1.24E-05	1.27E-05	1.15E-05	5.25E-06	4.95E-06	2.37E-07	5.72E-06	1.26E-06	1.72E-06	2.73E-06	4.82E-07	3.26E-07	1.25E-05	6.46E-06	2.74E-06	3.23E-06	1.27E-06	6.46E-06	2.74E-06
5527	488817.64	3859546.3	1.79E-03	1.84E-03	1.73E-03	6.20E-07	1.87E-06	1.08E-06	1.11E-06	1.01E-06	4.59E-07	4.33E-07	2.07E-08	5.00E-07	1.10E-07	1.51E-07	2.39E-07	4.21E-08	2.86E-08	1.09E-06	5.65E-07	2.40E-07	2.82E-07	1.11E-07	5.65E-07	2.40E-07
5528	489187.25	3859549.52	2.54E-03	2.60E-03	2.45E-03	8.79E-07	2.65E-06	1.54E-06	1.57E-06	1.43E-06	6.51E-07	6.14E-07	2.93E-08	7.09E-07	1.56E-07	2.14E-07	3.39E-07	5.97E-08	4.05E-08	1.55E-06	8.01E-07	3.40E-07	4.00E-07	1.57E-07	8.01E-07	3.40E-07
5529	489187.66	3859523.74	2.69E-03	2.76E-03	2.60E-03	9.33E-07	2.82E-06	1.63E-06	1.67E-06	1.51E-06	6.91E-07	6.52E-07	3.12E-08	7.52E-07	1.66E-07	2.27E-07	3.60E-07	6.34E-08	4.30E-08	1.64E-06	8.51E-07	3.61E-07	4.25E-07	1.67E-07	8.51E-07	3.61E-07
5530	489232.59	3859522.85	2.87E-03	2.94E-03	2.78E-03	9.95E-07	3.00E-06	1.74E-06	1.78E-06	1.61E-06	7.37E-07	6.95E-07	3.32E-08	8.02E-07	1.77E-07	2.42E-07	3.84E-07	6.76E-08	4.58E-08	1.75E-06	9.07E-07	3.85E-07	4.53E-07	1.78E-07	9.07E-07	3.85E-07
5531	489224.98	3859759.91	1.80E-03	1.85E-03	1.74E-03	6.25E-07	1.89E-06	1.09E-06	1.12E-06	1.01E-06	4.63E-07	4.36E-07	2.09E-08	5.04E-07	1.11E-07	1.52E-07	2.41E-07	4.25E-08	2.88E-08	1.10E-06	5.70E-07	2.42E-07	2.84E-07	1.12E-07	5.70E-07	2.42E-07
5532	488401.39	3859763.34	1.12E-03	1.14E-03	1.08E-03	3.87E-07	1.17E-06	6.76E-07	6.92E-07	6.28E-07	2.86E-07	2.70E-07	1.29E-08	3.12E-07	6.88E-08	9.40E-08	1.49E-07	2.63E-08	1.78E-08	6.81E-07	3.53E-07	1.50E-07	1.76E-07	6.91E-08	3.53E-07	1.50E-07
5533	488405.51	3859966.16	9.84E-04	1.01E-03	9.51E-04	3.41E-07	1.03E-06	5.96E-07	6.10E-07	5.53E-07	2.52E-07	2.38E-07	1.14E-08	2.75E-07	6.07E-08	8.28E-08	1.31E-07	2.32E-08	1.57E-08	6.00E-07	3.11E-07	1.32E-07	1.55E-07	6.09E-08	3.11E-07	1.32E-07
5534	489202.85	3859956.57	1.40E-03	1.43E-03	1.35E-03	4.84E-07	1.46E-06	8.46E-07	8.66E-07	7.85E-07	3.58E-07	3.38E-07	1.62E-08	3.90E-07	8.61E-08	1.18E-07	1.87E-07	3.29E-08	2.23E-08	8.52E-07	4.41E-07	1.87E-07	2.20E-07	8.65E-08	4.41E-07	1.87E-07
5535	489191.9	3860676.74	8.15E-04	8.34E-04	7.87E-04	2.82E-07	8.52E-07	4.93E-07	5.05E-07	4.58E-07	2.09E-07	1.97E-07	9.42E-09	2.27E-07	5.02E-08	6.85E-08	1.09E-07	1.92E-08	1.30E-08	4.97E-07	2.57E-07	1.09E-07	1.28E-07	5.04E-08	2.57E-07	1.09E-07
5536	488392.82	3860687.88	6.76E-04	6.92E-04	6.53E-04	2.34E-07	7.07E-07	4.09E-07	4.19E-07	3.80E-07	1.73E-07	1.63E-07	7.81E-09	1.89E-07	4.16E-08	5.69E-08	9.02E-08	1.59E-08	1.08E-08	4.12E-07	2.13E-07	9.05E-08	1.06E-07	4.18E-08	2.13E-07	9.05E-08
5537	488392.82	3860760.27	6.57E-04	6.73E-04	6.35E-04	2.27E-07	6.86E-07	3.97E-07	4.07E-07	3.69E-07	1.68E-07	1.59E-07	7.59E-09	1.83E-07	4.05E-08	5.53E-08	8.77E-08	1.54E-08	1.05E-08	4.00E-07	2.07E-07	8.79E-08	1.03E-07	4.06E-08	2.07E-07	8.79E-08

5538	487549.05	3860777.45	5.58E-04	5.71E-04	5.39E-04	1.93E-07	5.83E-07	3.38E-07	3.46E-07	3.13E-07	1.43E-07	1.35E-07	6.45E-09	1.56E-07	3.44E-08	4.69E-08	7.45E-08	1.31E-08	8.90E-09	3.40E-07	1.76E-07	7.47E-08	8.79E-08	3.45E-08	1.76E-07	7.47E-08
5539	487554.62	3859571.83	9.40E-04	9.63E-04	9.08E-04	3.25E-07	9.83E-07	5.69E-07	5.83E-07	5.28E-07	2.41E-07	2.27E-07	1.09E-08	2.63E-07	5.79E-08	7.91E-08	1.25E-07	2.21E-08	1.50E-08	5.73E-07	2.97E-07	1.26E-07	1.48E-07	5.82E-08	2.97E-07	1.26E-07
5540	485949.46	3859558.54	6.46E-04	6.62E-04	6.25E-04	2.24E-07	6.76E-07	3.91E-07	4.01E-07	3.63E-07	1.66E-07	1.56E-07	7.47E-09	1.80E-07	3.98E-08	5.44E-08	8.63E-08	1.52E-08	1.03E-08	3.94E-07	2.04E-07	8.66E-08	1.02E-07	4.00E-08	2.04E-07	8.66E-08
5541	485947.55	3857943.61	1.69E-03	1.74E-03	1.64E-03	5.87E-07	1.77E-06	1.03E-06	1.05E-06	9.52E-07	4.34E-07	4.10E-07	1.96E-08	4.73E-07	1.04E-07	1.43E-07	2.26E-07	3.99E-08	2.70E-08	1.03E-06	5.35E-07	2.27E-07	2.67E-07	1.05E-07	5.35E-07	2.27E-07
5542	484738.38	3857940.21	8.71E-04	8.92E-04	8.41E-04	3.01E-07	9.10E-07	5.27E-07	5.40E-07	4.89E-07	2.23E-07	2.11E-07	1.01E-08	2.43E-07	5.37E-08	7.33E-08	1.16E-07	2.05E-08	1.39E-08	5.31E-07	2.75E-07	1.17E-07	1.37E-07	5.39E-08	2.75E-07	1.17E-07
5543	484737.06	3857535.68	1.09E-03	1.12E-03	1.05E-03	3.78E-07	1.14E-06	6.60E-07	6.76E-07	6.13E-07	2.80E-07	2.64E-07	1.26E-08	3.05E-07	6.72E-08	9.18E-08	1.46E-07	2.57E-08	1.74E-08	6.65E-07	3.44E-07	1.46E-07	1.72E-07	6.75E-08	3.44E-07	1.46E-07
5544	483730.2	3857530.13	7.45E-04	7.63E-04	7.20E-04	2.58E-07	7.79E-07	4.51E-07	4.62E-07	4.19E-07	1.91E-07	1.80E-07	8.62E-09	2.08E-07	4.59E-08	6.27E-08	9.95E-08	1.75E-08	1.19E-08	4.54E-07	2.35E-07	9.98E-08	1.17E-07	4.61E-08	2.35E-07	9.98E-08
5545	483727.27	3857130.01	8.71E-04	8.92E-04	8.41E-04	3.01E-07	9.10E-07	5.27E-07	5.40E-07	4.89E-07	2.23E-07	2.11E-07	1.01E-08	2.43E-07	5.37E-08	7.33E-08	1.16E-07	2.05E-08	1.39E-08	5.31E-07	2.75E-07	1.17E-07	1.37E-07	5.39E-08	2.75E-07	1.17E-07
5546	483124.42	3857123.45	7.25E-04	7.42E-04	7.00E-04	2.51E-07	7.57E-07	4.38E-07	4.49E-07	4.07E-07	1.86E-07	1.75E-07	8.38E-09	2.02E-07	4.46E-08	6.10E-08	9.67E-08	1.70E-08	1.16E-08	4.42E-07	2.29E-07	9.70E-08	1.14E-07	4.48E-08	2.29E-07	9.70E-08
5547	483111.13	3855921.03	1.24E-03	1.27E-03	1.19E-03	4.28E-07	1.29E-06	7.47E-07	7.66E-07	6.94E-07	3.17E-07	2.99E-07	1.43E-08	3.45E-07	7.61E-08	1.04E-07	1.65E-07	2.91E-08	1.97E-08	7.53E-07	3.90E-07	1.65E-07	1.95E-07	7.65E-08	3.90E-07	1.65E-07
5548	482701.73	3855918.24	9.92E-04	1.02E-03	9.58E-04	3.43E-07	1.04E-06	6.00E-07	6.15E-07	5.57E-07	2.54E-07	2.40E-07	1.15E-08	2.77E-07	6.11E-08	8.34E-08	1.32E-07	2.33E-08	1.58E-08	6.04E-07	3.13E-07	1.33E-07	1.56E-07	6.14E-08	3.13E-07	1.33E-07
5549	482668.02	3853521.78	8.35E-03	8.55E-03	8.06E-03	2.89E-06	8.72E-06	5.05E-06	5.17E-06	4.69E-06	2.14E-06	2.02E-06	9.65E-08	2.33E-06	5.14E-07	7.02E-07	1.11E-06	1.96E-07	1.33E-07	5.09E-06	2.63E-06	1.12E-06	1.31E-06	5.17E-07	2.63E-06	1.12E-06
5550	482579.91	3853219.19	1.01E-02	1.03E-02	9.72E-03	3.48E-06	1.05E-05	6.09E-06	6.24E-06	5.65E-06	2.58E-06	2.43E-06	1.16E-07	2.81E-06	6.20E-07	8.47E-07	1.34E-06	2.37E-07	1.60E-07	6.13E-06	3.18E-06	1.35E-06	1.58E-06	6.23E-07	3.18E-06	1.35E-06
5551	482434.06	3852961.94	1.42E-02	1.45E-02	1.37E-02	4.91E-06	1.48E-05	8.58E-06	8.79E-06	7.97E-06	3.64E-06	3.43E-06	1.64E-07	3.96E-06	8.74E-07	1.19E-06	1.89E-06	3.34E-07	2.26E-07	8.65E-06	4.48E-06	1.90E-06	2.23E-06	8.78E-07	4.48E-06	1.90E-06
5552	482332.11	3852832.85	1.84E-02	1.89E-02	1.78E-02	6.38E-06	1.92E-05	1.11E-05	1.14E-05	1.03E-05	4.72E-06	4.45E-06	2.13E-07	5.14E-06	1.13E-06	1.55E-06	2.46E-06	4.33E-07	2.94E-07	1.12E-05	5.81E-06	2.47E-06	2.90E-06	1.14E-06	5.81E-06	2.47E-06
5553	481334.99	3851818.96	1.52E-02	1.56E-02	1.47E-02	5.26E-06	1.59E-05	9.19E-06	9.41E-06	8.53E-06	3.89E-06	3.67E-06	1.76E-07	4.24E-06	9.36E-07	1.28E-06	2.03E-06	3.57E-07	2.42E-07	9.26E-06	4.79E-06	2.03E-06	2.39E-06	9.40E-07	4.79E-06	2.03E-06
5554	481127.62	3851646.36	1.31E-02	1.34E-02	1.26E-02	4.52E-06	1.37E-05	7.91E-06	8.10E-06	7.34E-06	3.35E-06	3.16E-06	1.51E-07	3.65E-06	8.05E-07	1.10E-06	1.74E-06	3.08E-07	2.08E-07	7.97E-06	4.13E-06	1.75E-06	2.06E-06	8.09E-07	4.13E-06	1.75E-06
5555	481025.04	3851591.73	1.19E-02	1.22E-02	1.15E-02	4.13E-06	1.25E-05	7.22E-06	7.40E-06	6.71E-06	3.06E-06	2.89E-06	1.38E-07	3.33E-06	7.36E-07	1.00E-06	1.59E-06	2.81E-07	1.90E-07	7.28E-06	3.77E-06	1.60E-06	1.88E-06	7.39E-07	3.77E-06	1.60E-06
5556	480513.6	3851335.76	1.22E-02	1.25E-02	1.18E-02	4.23E-06	1.28E-05	7.39E-06	7.57E-06	6.87E-06	3.13E-06	2.95E-06	1.41E-07	3.41E-06	7.53E-07	1.03E-06	1.63E-06	2.87E-07	1.95E-07	7.45E-06	3.86E-06	1.64E-06	1.93E-06	7.56E-07	3.86E-06	1.64E-06
5557	480523.56	3851317.66	1.65E-02	1.69E-02	1.60E-02	5.72E-06	1.73E-05	1.00E-05	1.02E-05	9.29E-06	4.24E-06	4.00E-06	1.91E-07	4.62E-06	1.02E-06	1.39E-06	2.21E-06	3.89E-07	2.64E-07	1.01E-05	5.22E-06	2.21E-06	2.60E-06	1.02E-06	5.22E-06	2.21E-06
5558	476921.56	3849569.11	1.46E-02	1.49E-02	1.41E-02	5.04E-06	1.52E-05	8.81E-06	9.02E-06	8.18E-06	3.73E-06	3.52E-06	1.68E-07	4.06E-06	8.97E-07	1.22E-06	1.94E-06	3.42E-07	2.32E-07	8.87E-06	4.59E-06	1.95E-06	2.29E-06	9.01E-07	4.59E-06	1.95E-06
5559	476521.19	3849373.96	1.75E-02	1.80E-02	1.69E-02	6.07E-06	1.83E-05	1.06E-05	1.09E-05	9.85E-06	4.49E-06	4.24E-06	2.03E-07	4.89E-06	1.08E-06	1.47E-06	2.34E-06	4.12E-07	2.80E-07	1.07E-05	5.53E-06	2.35E-06	2.76E-06	1.08E-06	5.53E-06	2.35E-06
5560	476391.45	3849333.38	1.87E-02	1.92E-02	1.81E-02	6.48E-06	1.96E-05	1.13E-05	1.16E-05	1.05E-05	4.80E-06	4.53E-06	2.16E-07	5.23E-06	1.15E-06	1.58E-06	2.50E-06	4.41E-07	2.99E-07	1.14E-05	5.91E-06	2.51E-06	2.95E-06	1.16E-06	5.91E-06	2.51E-06
5561	476219.41	3849304.29	1.63E-02	1.67E-02	1.58E-02	5.65E-06	1.71E-05	9.88E-06	1.01E-05	9.17E-06	4.19E-06	3.95E-06	1.89E-07	4.56E-06	1.01E-06	1.37E-06	2.18E-06	3.84E-07	2.60E-07	9.95E-06	5.15E-06	2.19E-06	2.57E-06	1.01E-06	5.15E-06	2.19E-06
5562	475679.11	3849218.47	1.33E-02	1.36E-02	1.28E-02	4.59E-06	1.39E-05	8.03E-06	8.22E-06	7.45E-06	3.40E-06	3.21E-06	1.53E-07	3.70E-06	8.17E-07	1.12E-06	1.77E-06	3.12E-07	2.12E-07	8.08E-06	4.19E-06	1.78E-06	2.09E-06	8.21E-07	4.19E-06	1.78E-06
5563	475677.71	3849233.88	1.06E-02	1.09E-02	1.03E-02	3.68E-06	1.11E-05	6.43E-06	6.58E-06	5.97E-06	2.72E-06	2.57E-06	1.23E-07	2.97E-06	6.54E-07	8.93E-07	1.42E-06	2.50E-07	1.69E-07	6.47E-06	3.35E-06	1.42E-06	1.67E-06	6.57E-07	3.35E-06	1.42E-06
5564	475492.74	3849204.66	7.41E-03	7.59E-03	7.15E-03	2.56E-06	7.74E-06	4.48E-06	4.59E-06	4.16E-06	1.90E-06	1.79E-06	8.56E-08	2.07E-06	4.56E-07	6.23E-07	9.89E-07	1.74E-07	1.18E-07	4.51E-06	2.34E-06	9.92E-07	1.17E-06	4.58E-07	2.34E-06	9.92E-07
5565	475497.64	3849158.75	1.74E-02	1.79E-02	1.68E-02	6.04E-06	1.82E-05	1.05E-05	1.08E-05	9.80E-06	4.47E-06	4.22E-06	2.02E-07	4.87E-06	1.07E-06	1.47E-06	2.33E-06	4.10E-07	2.78E-07	1.06E-05	5.50E-06	2.33E-06	2.75E-06	1.08E-06	5.50E-06	2.33E-06
5566	475391.35	3849141.94	1.33E-02	1.36E-02	1.29E-02	4.61E-06	1.39E-05	8.05E-06	8.25E-06	7.47E-06	3.41E-06	3.22E-06	1.54E-07	3.72E-06	8.20E-07	1.12E-06	1.78E-06	3.13E-07	2.12E-07	8.11E-06	4.20E-06	1.78E-06	2.10E-06	8.23E-07	4.20E-06	1.78E-06
5567	475277	3849095.47	1.28E-02	1.32E-02	1.24E-02	4.45E-06	1.34E-05	7.77E-06	7.96E-06	7.21E-06	3.29E-06	3.11E-06	1.48E-07	3.59E-06	7.91E-07	1.08E-06	1.71E-06	3.02E-07	2.05E-07	7.83E-06	4.05E-06	1.72E-06	2.02E-06	7.95E-07	4.05E-06	1.72E-06
5568	475183.93	3849025.66	1.67E-02	1.72E-02	1.62E-02	5.80E-06	1.75E-05	1.01E-05	1.04E-05	9.41E-06	4.29E-06	4.05E-06	1.94E-07	4.68E-06	1.03E-06	1.41E-06	2.24E-06	3.94E-07	2.67E-07	1.02E-05	5.29E-06	2.24E-06	2.64E-06	1.04E-06	5.29E-06	2.24E-06
5569	474453.23	3848378.77	2.39E-02	2.45E-02	2.31E-02	8.28E-06	2.50E-05	1.45E-05	1.48E-05	1.34E-05	6.13E-06	5.78E-06	2.76E-07	6.68E-06	1.47E-06	2.01E-06	3.19E-06	5.63E-07	3.81E-07	1.46E-05	7.55E-06	3.20E-06	3.77E-06	1.48E-06	7.55E-06	3.20E-06
5570	474569.63	3848399.34	5.15E-02	5.27E-02	4.97E-02	1.78E-05	5.38E-05	3.11E-05	3.19E-05	2.89E-05	1.32E-05	1.24E-05	5.95E-07	1.44E-05	3.17E-06	4.33E-06	6.87E-06	1.21E-06	8.21E-07	3.14E-05	1.62E-05	6.89E-06	8.11E-06	3.19E-06	1.62E-05	6.89E-06
5571	474644.33	3848464.52	5.22E-02	5.35E-02	5.04E-02	1.81E-05	5.46E-05	3.16E-05	3.24E-05	2.93E-05	1.34E-05	1.26E-05	6.04E-07	1.46E-05	3.22E-06	4.39E-06	6.97E-06	1.23E-06	8.33E-07	3.18E-05	1.65E-05	6.99E-06	8.23E-06	3.23E-06	1.65E-05	6.99E-06
5572	474719.04	3848529.7	5.33E-02	5.46E-02	5.15E-02	1.84E-05	5.57E-05	3.22E-05	3.30E-05	2.99E-05	1.37E-05	1.29E-05	6.16E-07	1.49E-05	3.28E-06	4.48E-06	7.11E-06	1.25E-06	8.50E-07	3.25E-05	1.68E-05	7.13E-06	8.39E-06	3.30E-06	1.68E-05	7.13E-06
5573	474793.74	3848594.88	5.42E-02	5.55E-02	5.24E-02	1.88E-05	5.67E-05	3.28E-05	3.36E-05	3.05E-05	1.39E-05	1.31E-05	6.27E-07	1.51E-05	3.34E-06	4.56E-06	7.24E-06	1.28E-06	8.65E-07	3.31E-05	1.71E-05	7.26E-06	8.54E-06	3.36E-06	1.71E-05	7.26E-06
5574	474868.45	3848660.07	5.45E-02	5.59E-02	5.27E-02	1.89E-05	5.70E-05	3.30E-05	3.38E-05	3.06E-05	1.40E-05	1.32E-05	6.30E-07	1.52E-05	3.36E-06	4.59E-06	7.28E-06	1.28E-06	8.70E-07	3.32E-05	1.72E-05	7.30E-06	8.59E-06	3.37E-06	1.72E-05	7.30E-06
5575	474943.15	3848725.25	5.55E-02	5.69E-02	5.36E-02	1.92E-05	5.80E-05	3.36E-05	3.44E-05	3.12E-05	1.42E-05	1.34E-05	6.42E-07	1.55E-05	3.42E-06	4.67E-06	7.41E-06	1.31E-06	8.85E-07	3.38E-05	1.75E-05	7.43E-06	8.75E-06	3.44E-06	1.75E-05	7.43E-06
5576	475017.86	3848790.43	5.74E-02	5.88E-02	5.54E-02	1.99E-05	6.00E-05	3.47E-05	3.55E-05	3.22E-05	1.47E-05	1.39E-05	6.63E-07	1.60E-05	3.53E-06	4.83E-06	7.66E-06	1.35E-06	9.15E-07	3.50E-05	1.81E-05	7.68E-06	9.04E-06	3.55E-06	1.81E-05	7.68E-06
5577	475092.56	3848855.61	5.86E-02	6.00E-02	5.66E-02	2.03E-05	6.12E-05	3.54E-05	3.63E-05	3.29E-05	1.50E-05	1.42E-05	6.77E-07	1.64E-05	3.61E-06	4.93E-06	7.82E-06	1.38E-06	9.34E-07	3.57E-05	1.85E-05	7.84E-06	9.23E-06	3.63E-06	1.85E-05	7.84E-06
5578	475232.58	3848959.38	4.94E-02	5.06E-02	4.77E-02	1.71E-05	5.16E-05	2.99E-05	3.06E-05	2.77E-05	1.27E-05	1.19E-05	5.71E-07	1.38E-05	3.04E-06	4.15E-06	6.59E-06	1.16E-06	7.87E-07	3.01E-05	1.56E-05	6.61E-06	7.78E-06	3.06E-06	1.56E-05	6.61E-06
5579	475368.47	3849029.98	5.11E-02	5.24E-02	4.94E-02	1.77E-05	5.35E-05	3.09E-05	3.17E-05	2.87E-05	1.31E-05	1.24E-05	5.91E-07	1.43E-05	3.15E-06	4.30E-06	6.83E-06	1.20E-06	8.16E-07	3.12E-05	1.61E-05	6.85E-06	8.06E-06	3.17E-06	1.61E-05	6.85E-06
5580	475609.57	3849096.09	4.26E-02	4.36E-02	4.11E-02	1.47E-05	4.45E-05	2.58E-05	2.64E-05	2.39E-05	1.09E-05	1.03E-05	4.92E-07	1.19E-05	2.62E-06	3.58E-06	5.68E-06	1.00E-06	6.79E-07	2.60E-05	1.34E-05	5.70E-06	6.71E-06	2.64E-06	1.34E-05	5.70E-06
5581	475680.68	3849116.62	4.89E-02	5.01E-02	4.72E-02	1.69E-05	5.11E-05	2.96E-05	3.03E-05	2.75E-05	1.25E-05	1.18E-05	5.65E-07	1.36E-05	3.01E-06	4.11E-06	6.52E-06	1.15E-06	7.80E-07	2.98E-05	1.54E-05	6.55E-06	7.70E-06	3.03E-06	1.54E-05	6.55E-06
5582	475843.76	3849151.52	6.04E-02	6.19E-02	5.84E-02	2.09E-05	6.31E-05	3.65E-05	3.74E-05	3.39E-05	1.55E-05	1.46E-05	6.98E-07	1.69E-05	3.72E-06	5.08E-06	8.06E-06	1.42E-06	9.63E-07	3.68E-05	1.91E-05	8.09E-06	9.52E-06	3.74E-06	1.91E-05	8.09E-06
5583	475935.73	3849165.89	5.56E-02	5.69E-02	5.37E-02	1.92E-05	5.81E-05	3.36E-05	3.44E-05	3.12E-05	1.42E-05	1.34E-05	6.43E-07	1.55E-05	3.43E-06	4.68E-06	7.42E-06	1.31E-06	8.87E-07	3.39E-05	1.75E-05	7.44E-06	8.76E-06	3.44E-06	1.75E-05	7.44E-06
5584	476027.7	3849180.26	5.55E-02	5.69E-02	5.37E-02	1.92E-05	5.81E-05	3.36E-05	3.44E-05	3.12E-05	1.42E-05	1.34E-05	6.42E-07	1.55E-05	3.42E-06	4.67E-06	7.41E-06	1.31E-06	8.86E-07	3.39E-05	1.75E-05	7.44E-06	8.75E-06	3.44E-06	1.75E-05	7.44E-06
5585	476119.68	3849194.64	5.81E-02	5.95E-02	5.62E-02	2.01E-05	6.07E-05	3.52E-05	3.60E-05	3.27E-05	1.49E-05	1.41E-05	6.72E-07	1.62E-05	3.58E-06	4.89E-06	7.76E-06	1.37E-06	9.27E-07	3.54E-05	1.83E-05	7.78E-06	9.16E-06	3.60E-06	1.83E-05	7.78E-06
5586	476211.65	3849209.01	5.75E-02	5.89E-02	5.56E-02	1.99E-05	6.01E-05	3.48E-05	3.56E-05	3.23E-05	1.47E-05	1.39E-05	6.65E-07	1.61E-05	3.54E-06	4.84E-06	7.68E-06	1.35E-06	9.17E-07	3.50E-05	1.82E-05	7.70E-06	9.06E-06	3.56E-06	1.82E-05	7.70E-06
5587	476497.8	3849283.9	7.46E-02	7.64E-02	7.21E-02	2.58E-05	7.80E-05	4.52E-05	4.62E-05	4.19E-05	1.91E-05	1.80E-05	8.63E-07	2.08E-05	4.60E-06	6.28E-06	9.96E-06	1.76E-06	1.19E-06	4.55E-05	2.36E-05	9.99E-06	1.18E-05	4.62E-06	2.36E-05	9.99E-06
5588	476603.73	3849323.77	7.43E-02	7.61E-02	7.18E-02	2.57E-05	7.77E-05	4.50E-05	4.61E-05	4.18E-05	1.91E-05	1.80E-05	8.59E-07	2.08E-05	4.58E-06	6.25E-06	9.92E-06	1.75E-06	1.19E-06	4.53E-05	2.35E-05	9.95E-06	1.17E-05	4.60E-06	2.35E-05	9.95E-06
5589	476728.99	3849382.76	6.86E-02	7.02E-02	6.63E-02	2.37E-05	7.17E-05	4.15E-05	4.25E-05	3.85E-05	1.76E-05	1.66E-05	7.93E-07	1.91E-05	4.23E-06	5.77E-06	9.15E-06	1.61E-06	1.09E-06	4.18E-05	2.16E-05	9.18E-06	1.08E-05	4.24E-06	2.16E-05	9.18E-06
5590	476801.27	3849418.65	6.85E-02	7.02E-02	6.62E-02	2.37E-05	7.16E-05	4.15E-05	4.25E-05	3.85E-05	1.76E-05	1.66E-05	7.92E-07	1.91E-05	4.22E-06	5.77E-06	9.15E-06	1.61E-06	1.09E-06	4.18E-05	2.16E-05	9.18E-06	1.08E-05	4.24E-06	2.16E-05	9.18E-06
5591	476956.2	3849495.05	6.86E-02	7.02E-02	6.62E-02	2.37E-05	7.17E-05	4.15E-05	4.25E-05	3.85E-05	1.76E-05	1.66E-05	7.93E-07	1.91E-05	4.22E-06	5.77E-06	9.15E-06	1.61E-06	1.09E-06	4.18E-05	2.16E-05	9.18E-06	1.08E-05	4.24E-06	2.16E-05	9.18E-06
5592	477038.84	3849535.56	6.95E-02	7.12E-02	6.71E-02	2.41E-05	7.26E-05	4.21E-05	4.31E-05	3.90E-05	1.78E-05	1.68E-05	8.03E-07	1.94E-05	4.28E-06	5.85E-06	9.28E-06	1.63E-06	1.11E-06	4.24E-05	2.19E-05	9.31E-06	1.09E-05	4.30E-06	2.19E-05	9.31E-06
5593	477121.48	3849576.08	6.92E-02	7.09E-02	6.69E-02	2.40E-05	7.23E-05	4.19E-05	4.29E-05	3.89E-05	1.77E-05	1.67E-05	8.00E-07	1.93E-05	4.26E-06	5.82E-06	9.24E-06	1.63E-06	1.10E-06	4.22E-05	2.18E-05	9.27E-06	1.09E-05	4.28E-06	2.18E-05	9.27E-06
5594	477204.13	3849616.6	6.96E-02	7.13E-02	6.73E-02	2.41E-05	7.28E-05	4.21E-05	4.32E-05	3.91E-05	1.79E-05	1.68E-05	8.05E-07	1.94E-05	4.29E-06	5.86E-06	9.30E-06	1.64E-06	1.11E-06	4.24E-05	2.20E-05	9.33E-06	1.10E-05	4.31E-06	2.20E-05	9.33E-06
5595	477286.78	3849657.12	6.55E-02	6.71E-02	6.33E-02	2.27E-05	6.85E-05	3.96E-05	4.06E-05	3.68E-05	1.68E-05	1.58E-05	7.57E-07	1.83E-05	4.04E-06	5.51E-06	8.74E-06	1.54E-06	1.04E-06	3.99E-05	2.07E-05	8.77E-06	1.03E-05	4.05E-06	2.07E-05	8.77E-06
5596	477369.42	3849697.63	6.96E-02	7.13E-02	6.73E-02	2.41E-05	7.28E-05	4.21E-05	4.31E-05	3.91E-05	1.78E-05	1.68E-05	8.05E-07	1.94E-05	4.29E-06	5.86E-06	9.29E-06	1.64E-06	1.11E-06	4.24E-05	2.20E-05	9.32E-06	1.10E-05	4.31E-06	2.20E-05	9.32E-06
5597	477452.07	3849738.15	6.96E-02	7.13E-02	6.73E-02	2.41E-05	7.28E-05	4.21E-05	4.32E-05	3.91E-05	1.79E-05	1.68E-05	8.05E-07	1.94E-05	4.29E-06	5.86E-06	9.30E-06	1.64E-06	1.11E-06	4.24E-05	2.20E-05	9.33E-06	1.10E-05	4.31E-06	2.20E-05	9.33E-06
5598	477534.71	3849778.67	7.17E-02	7.35E-02	6.93E-02	2.48E-05	7.50E-05	4.34E-05	4.44E-05	4.03E-05	1.84E-05	1.73E-05	8.29E-07	2.00E-05	4.42E-06	6.03E-06	9.57E-06	1.69E-06	1.14E-06	4.37E-05	2.26E-05	9.60E-06	1.13E-05	4.44E-06	2.26E-05	9.60E-06
5599	477617.35	3849819.18	7.15E-02	7.32E-02	6.90E-02	2.47E-05	7.47E-05	4.32E-05	4.43E-05	4.01E-05	1.83E-05	1.73E-05	8.26E-07	2.00E-05	4.40E-06	6.01E-06	9.54E-06	1.68E-06	1.14E-06	4.36E-05	2.26E-05	9.57E-06	1.13E-05	4.42E-06	2.26E-05	9.57E-06
5600	477824.74	3849896.37	4.70E-02	4.81E-02	4.54E-02	1.63E-05	4.91E-05	2.84E-05	2.91E-05	2.64E-05	1.20E-05	1.14E-05	5.43E-07	1.31E-05	2.89E-06	3.95E-06	6.27E-06	1.10E-06	7.49E-07	2.86E-05	1.48E-05	6.29E-06	7.40E-06	2.91E-06	1.48E-05	6.29E-06
5601	477906.31	3849936.37	4.84E-02	4.96E-02	4.67E-02	1.67E-05	5.06E-05	2.93E-05	3.00E-05	2.72E-05	1.24E-05	1.17E-05	5.59E-07	1.35E-05	2.98E-06	4.07E-06	6.46E-06	1.14E-06	7.72E-07	2.95E-05	1.53E-05	6.48E-06	7.62E-06	2.99E-06	1.53E-05	6.48E-06
5602	477987.89	3849976.36	4.85E-02	4.96E-02	4.68E-02	1.68E-05	5.06E-05	2.93E-05	3.00E-05	2.72E-05	1.24E-05	1.17E-05	5.60E-07	1.35E-05	2.99E-06	4.08E-06	6.47E-06	1.14E-06	7.73E-07	2.95E-05	1.53E-05	6.49E-06	7.63E-06	3.00E-06	1.53E-05	6.49E-06
5603	478069.47	3850016.36	4.90E-02	5.02E-02	4.73E-02	1.70E-05	5.12E-05	2.96E-05	3.04E-05	2.75E-05	1.26E-05	1.18E-05	5.66E-07	1.37E-05	3.02E-06	4.12E-06	6.54E-06	1.15E-06	7.81E-07	2.99E-05	1.55E-05	6.56E-06	7.72E-06	3.03E-06	1.55E-05	6.56E-06
5604	478151.04	3850056.35	4.92E-02	5.04E-02	4.76E-02	1.70E-05	5.15E-05	2.98E-05	3.05E-05	2.77E-05	1.26E-05	1.19E-05	5.69E-07	1.37E-05	3.03E-06	4.14E-06	6.57E-06	1.16E-06	7.85E-07	3.00E-05	1.55E-05	6.59E-06	7.76E-06	3.05E-06	1.55E-05	6.59E-06
5605	478232.62	3850096.35	4.98E-02	5.10E-02	4.81E-02	1.72E-05	5.20E-05	3.01E-05	3.08E-05	2.79E-05	1.28E-05	1.20E-05	5.75E-07	1.39E-05	3.07E-06	4.19E-06	6.64E-06	1.17E-06	7.93E-07	3.03E-05	1.57E-05	6.66E-06	7.84E-06	3.08E-06	1.57E-05	6.66E-06
5606	478314.2	3850136.34	4.99E-02	5.11E-02	4.82E-02	1.73E-05	5.22E-05	3.02E-05	3.09E-05	2.81E-05	1.28E-05	1.21E-05	5.77E-07	1.39E-05	3.08E-06	4.20E-06	6.66E-06	1.17E-06	7.96E-07	3.04E-05	1.58E-05	6.69E-06	7.87E-06	3.09E-06	1.58E-05	6.69E-06
5607	478395.77	3850176.34	5.01E-02	5.13E-02	4.84E-02	1.73E-05	5.23E-05	3.03E-05	3.10E-05	2.81E-05	1.28E-05	1.21E-05	5.79E-07	1.40E-05	3.08E-06	4.21E-06	6.68E-06	1.18E-06	7.98E-07	3.05E-05	1.58E-05	6.70E-06	7.89E-06	3.10E-06	1.58E-05	6.70E-06
5608	478575.43	3850244.45	3.83E-02	3.92E-02	3.70E-02	1.32E-05	4.00E-05	2.32E-05	2.37E-05	2.15E-05	9.81E-06	9.25E-06	4.42E-07	1.07E-05	2.36E-06	3.22E-06	5.11E-06	9.00E-07	6.10E-07	2.33E-05	1.21E-05	5.12E-06	6.03E-06	2.37E-06	1.21E-05	5.12E-06
5609	478665.06	3850287.29	3.79E-02	3.88E-02	3.66E-02	1.31E-05	3.96E-05	2.29E-05	2.35E-05	2.13E-05	9.71E-06	9.16E-06	4.38E-07	1.06E-05	2.33E-06	3.19E-06	5.05E-06	8.91E-07	6.04E-07	2.31E-05	1.20E-05	5.07E-06	5.96E-06	2.34E-06	1.20E-05	5.07E-06
5610	478754.69	3850330.14	3.74E-02	3.83E-02	3.62E-02	1.30E-05	3.91E-05	2.26E-05	2.32E-05	2.10E-05	9.59E-06	9.05E-06	4.33E-07	1.04E-05	2.31E-06	3.15E-06	4.99E-06	8.80E-07	5.97E-07	2.28E-05	1.18E-05	5.01E-06	5.89E-06	2.32E-06	1.18E-05	5.01E-06
5611	478844.32	3850372.99	3.67E-02	3.76E-02	3.55E-02	1.27E-05	3.84E-05	2.22E-05	2.27E-05	2.06E-05	9.41E-06	8.87E-06	4.24E-07	1.02E-05	2.26E-06	3.09E-06	4.90E-06	8.63E-07	5.85E-07	2.24E-05	1.16E-05	4.92E-06	5.78E-06	2.27E-06	1.16E-05	4.92E-06
5612	478933.95	3850415.84	3.58E-02	3.67E-02	3.46E-02	1.24E-05	3.74E-05	2.17E-05	2.22E-05	2.01E-05	9.18E-06	8.66E-06	4.14E-07	1.00E-05	2.21E-06	3.01E-06	4.78E-06	8.43E-07	5.71E-07	2.18E-05	1.13E-05	4.80E-06	5.64E-06	2.22E-06	1.13E-05	4.80E-06
5613	479023.58	3850458.68	3.63E-02	3.71E-02	3.50E-02	1.26E-05	3.79E-05	2.19E-05	2.25E-05	2.04E-05	9.30E-06	8.77E-06	4.19E-07	1.01E-05	2.23E-06	3.05E-06	4.84E-06	8.53E-07	5.78E-07	2.21E-05	1.14E-05	4.86E-06	5.71E-06	2.24E-06	1.14E-05	4.86E-06
5614	479110.66	3850441.9	2.06E-02	2.11E-02	1.99E-02	7.12E-06	2.15E-05	1.24E-05	1.27E-05	1.16E-05	5.27E-06	4.97E-06	2.38E-07	5.74E-06	1.27E-06	1.73E-06	2.74E-06	4.84E-07	3.28E-07	1.25E-05	6.49E-06	2.75E-06	3.24E-06	1.27E-06	6.49E-06	2.75E-06

5615	479191.22	3850423.99	1.44E-02	1.48E-02	1.39E-02	5.00E-06	1.51E-05	8.73E-06	8.94E-06	8.11E-06	3.70E-06	3.49E-06	1.67E-07	4.03E-06	8.89E-07	1.21E-06	1.93E-06	3.39E-07	2.30E-07	8.79E-06	4.55E-06	1.93E-06	2.27E-06	8.93E-07	4.55E-06	1.93E-06
5616	479274.32	3850465.71	1.46E-02	1.49E-02	1.41E-02	5.05E-06	1.52E-05	8.83E-06	9.04E-06	8.19E-06	3.74E-06	3.53E-06	1.69E-07	4.07E-06	8.99E-07	1.23E-06	1.95E-06	3.43E-07	2.33E-07	8.89E-06	4.60E-06	1.95E-06	2.30E-06	9.03E-07	4.60E-06	1.95E-06
5617	479357.43	3850507.42	1.47E-02	1.51E-02	1.42E-02	5.10E-06	1.54E-05	8.91E-06	9.13E-06	8.27E-06	3.78E-06	3.56E-06	1.70E-07	4.11E-06	9.08E-07	1.24E-06	1.97E-06	3.46E-07	2.35E-07	8.98E-06	4.65E-06	1.97E-06	2.32E-06	9.12E-07	4.65E-06	1.97E-06
5618	479440.53	3850549.14	1.47E-02	1.51E-02	1.42E-02	5.09E-06	1.54E-05	8.90E-06	9.12E-06	8.26E-06	3.77E-06	3.56E-06	1.70E-07	4.11E-06	9.06E-07	1.24E-06	1.96E-06	3.46E-07	2.35E-07	8.97E-06	4.64E-06	1.97E-06	2.32E-06	9.10E-07	4.64E-06	1.97E-06
5619	479523.64	3850590.85	1.47E-02	1.51E-02	1.42E-02	5.10E-06	1.54E-05	8.92E-06	9.13E-06	8.28E-06	3.78E-06	3.56E-06	1.70E-07	4.11E-06	9.08E-07	1.24E-06	1.97E-06	3.47E-07	2.35E-07	8.98E-06	4.65E-06	1.97E-06	2.32E-06	9.12E-07	4.65E-06	1.97E-06
5620	479606.74	3850632.57	1.49E-02	1.52E-02	1.44E-02	5.14E-06	1.55E-05	8.99E-06	9.21E-06	8.35E-06	3.81E-06	3.59E-06	1.72E-07	4.15E-06	9.15E-07	1.25E-06	1.98E-06	3.49E-07	2.37E-07	9.05E-06	4.69E-06	1.99E-06	2.34E-06	9.19E-07	4.69E-06	1.99E-06
5621	479777.37	3850707.61	1.41E-02	1.45E-02	1.37E-02	4.89E-06	1.48E-05	8.55E-06	8.76E-06	7.94E-06	3.62E-06	3.42E-06	1.63E-07	3.95E-06	8.71E-07	1.19E-06	1.89E-06	3.33E-07	2.25E-07	8.62E-06	4.46E-06	1.89E-06	2.23E-06	8.75E-07	4.46E-06	1.89E-06
5622	479864.9	3850740.95	1.35E-02	1.38E-02	1.31E-02	4.68E-06	1.41E-05	8.18E-06	8.38E-06	7.59E-06	3.47E-06	3.27E-06	1.56E-07	3.77E-06	8.33E-07	1.14E-06	1.80E-06	3.18E-07	2.16E-07	8.24E-06	4.27E-06	1.81E-06	2.13E-06	8.37E-07	4.27E-06	1.81E-06
5623	479931.87	3850829.56	1.88E-02	1.92E-02	1.81E-02	6.49E-06	1.96E-05	1.13E-05	1.16E-05	1.05E-05	4.81E-06	4.54E-06	2.17E-07	5.24E-06	1.16E-06	1.58E-06	2.50E-06	4.41E-07	2.99E-07	1.14E-05	5.92E-06	2.51E-06	2.95E-06	1.16E-06	5.92E-06	2.51E-06
5624	479995.55	3850926.75	3.37E-02	3.46E-02	3.26E-02	1.17E-05	3.53E-05	2.04E-05	2.09E-05	1.90E-05	8.65E-06	8.16E-06	3.90E-07	9.42E-06	2.08E-06	2.84E-06	4.50E-06	7.94E-07	5.38E-07	2.06E-05	1.07E-05	4.52E-06	5.32E-06	2.09E-06	1.07E-05	4.52E-06
5625	480079.78	3850968.64	3.36E-02	3.44E-02	3.25E-02	1.16E-05	3.51E-05	2.03E-05	2.08E-05	1.89E-05	8.62E-06	8.13E-06	3.89E-07	9.39E-06	2.07E-06	2.83E-06	4.49E-06	7.91E-07	5.36E-07	2.05E-05	1.06E-05	4.50E-06	5.30E-06	2.08E-06	1.06E-05	4.50E-06
5626	480164.01	3851010.54	3.36E-02	3.44E-02	3.25E-02	1.16E-05	3.51E-05	2.03E-05	2.08E-05	1.89E-05	8.61E-06	8.13E-06	3.88E-07	9.38E-06	2.07E-06	2.83E-06	4.49E-06	7.91E-07	5.36E-07	2.05E-05	1.06E-05	4.50E-06	5.29E-06	2.08E-06	1.06E-05	4.50E-06
5627	480248.23	3851052.43	3.34E-02	3.42E-02	3.23E-02	1.16E-05	3.49E-05	2.02E-05	2.07E-05	1.88E-05	8.56E-06	8.07E-06	3.86E-07	9.32E-06	2.06E-06	2.81E-06	4.46E-06	7.86E-07	5.33E-07	2.04E-05	1.05E-05	4.47E-06	5.26E-06	2.07E-06	1.05E-05	4.47E-06
5628	480332.46	3851094.33	3.37E-02	3.45E-02	3.25E-02	1.17E-05	3.52E-05	2.04E-05	2.09E-05	1.89E-05	8.63E-06	8.14E-06	3.89E-07	9.40E-06	2.08E-06	2.83E-06	4.50E-06	7.92E-07	5.37E-07	2.05E-05	1.06E-05	4.51E-06	5.31E-06	2.08E-06	1.06E-05	4.51E-06
5629	480416.69	3851136.22	3.43E-02	3.52E-02	3.32E-02	1.19E-05	3.59E-05	2.08E-05	2.13E-05	1.93E-05	8.80E-06	8.30E-06	3.97E-07	9.58E-06	2.11E-06	2.89E-06	4.58E-06	8.07E-07	5.47E-07	2.09E-05	1.08E-05	4.60E-06	5.41E-06	2.12E-06	1.08E-05	4.60E-06
5630	480579.95	3851215.17	3.38E-02	3.46E-02	3.27E-02	1.17E-05	3.53E-05	2.05E-05	2.10E-05	1.90E-05	8.67E-06	8.18E-06	3.91E-07	9.44E-06	2.08E-06	2.85E-06	4.51E-06	7.96E-07	5.39E-07	2.06E-05	1.07E-05	4.53E-06	5.33E-06	2.09E-06	1.07E-05	4.53E-06
5631	480658.98	3851252.22	3.31E-02	3.39E-02	3.19E-02	1.14E-05	3.46E-05	2.00E-05	2.05E-05	1.86E-05	8.48E-06	8.00E-06	3.82E-07	9.23E-06	2.04E-06	2.78E-06	4.41E-06	7.78E-07	5.27E-07	2.02E-05	1.04E-05	4.43E-06	5.21E-06	2.05E-06	1.04E-05	4.43E-06
5632	480817.36	3851327.85	3.22E-02	3.29E-02	3.11E-02	1.11E-05	3.36E-05	1.95E-05	1.99E-05	1.81E-05	8.25E-06	7.78E-06	3.72E-07	8.98E-06	1.98E-06	2.71E-06	4.29E-06	7.57E-07	5.13E-07	1.96E-05	1.02E-05	4.31E-06	5.07E-06	1.99E-06	1.02E-05	4.31E-06
5633	480896.71	3851366.42	3.19E-02	3.27E-02	3.08E-02	1.10E-05	3.34E-05	1.93E-05	1.98E-05	1.79E-05	8.18E-06	7.72E-06	3.69E-07	8.91E-06	1.97E-06	2.69E-06	4.26E-06	7.51E-07	5.09E-07	1.95E-05	1.01E-05	4.27E-06	5.03E-06	1.98E-06	1.01E-05	4.27E-06
5634	480976.07	3851405	3.17E-02	3.24E-02	3.06E-02	1.10E-05	3.31E-05	1.92E-05	1.96E-05	1.78E-05	8.11E-06	7.65E-06	3.66E-07	8.84E-06	1.95E-06	2.66E-06	4.22E-06	7.45E-07	5.05E-07	1.93E-05	9.99E-06	4.24E-06	4.99E-06	1.96E-06	9.99E-06	4.24E-06
5635	481178	3851487.31	2.55E-02	2.61E-02	2.46E-02	8.82E-06	2.66E-05	1.54E-05	1.58E-05	1.43E-05	6.53E-06	6.16E-06	2.94E-07	7.11E-06	1.57E-06	2.14E-06	3.40E-06	5.99E-07	4.06E-07	1.55E-05	8.04E-06	3.41E-06	4.01E-06	1.58E-06	8.04E-06	3.41E-06
5636	481244.9	3851557.17	3.18E-02	3.26E-02	3.07E-02	1.10E-05	3.32E-05	1.92E-05	1.97E-05	1.79E-05	8.15E-06	7.68E-06	3.67E-07	8.87E-06	1.96E-06	2.67E-06	4.24E-06	7.48E-07	5.07E-07	1.94E-05	1.00E-05	4.26E-06	5.01E-06	1.97E-06	1.00E-05	4.26E-06
5637	481311.81	3851627.03	3.65E-02	3.74E-02	3.52E-02	1.26E-05	3.81E-05	2.21E-05	2.26E-05	2.05E-05	9.35E-06	8.82E-06	4.22E-07	1.02E-05	2.25E-06	3.07E-06	4.87E-06	8.58E-07	5.82E-07	2.22E-05	1.15E-05	4.88E-06	5.75E-06	2.26E-06	1.15E-05	4.88E-06
5638	481378.71	3851696.89	3.51E-02	3.59E-02	3.39E-02	1.21E-05	3.67E-05	2.12E-05	2.17E-05	1.97E-05	8.99E-06	8.48E-06	4.06E-07	9.80E-06	2.16E-06	2.95E-06	4.68E-06	8.25E-07	5.60E-07	2.14E-05	1.11E-05	4.70E-06	5.53E-06	2.17E-06	1.11E-05	4.70E-06
5639	481445.61	3851766.76	3.47E-02	3.55E-02	3.35E-02	1.20E-05	3.62E-05	2.10E-05	2.15E-05	1.95E-05	8.89E-06	8.38E-06	4.01E-07	9.68E-06	2.14E-06	2.92E-06	4.63E-06	8.16E-07	5.53E-07	2.11E-05	1.09E-05	4.64E-06	5.46E-06	2.15E-06	1.09E-05	4.64E-06
5640	481512.51	3851836.62	3.46E-02	3.55E-02	3.35E-02	1.20E-05	3.62E-05	2.10E-05	2.15E-05	1.95E-05	8.88E-06	8.37E-06	4.00E-07	9.67E-06	2.13E-06	2.91E-06	4.62E-06	8.15E-07	5.52E-07	2.11E-05	1.09E-05	4.64E-06	5.46E-06	2.14E-06	1.09E-05	4.64E-06
5641	481579.42	3851906.48	3.44E-02	3.52E-02	3.32E-02	1.19E-05	3.60E-05	2.08E-05	2.13E-05	1.93E-05	8.82E-06	8.32E-06	3.98E-07	9.61E-06	2.12E-06	2.89E-06	4.59E-06	8.09E-07	5.49E-07	2.10E-05	1.09E-05	4.61E-06	5.42E-06	2.13E-06	1.09E-05	4.61E-06
5642	481646.32	3851976.34	3.47E-02	3.55E-02	3.35E-02	1.20E-05	3.63E-05	2.10E-05	2.15E-05	1.95E-05	8.90E-06	8.39E-06	4.01E-07	9.69E-06	2.14E-06	2.92E-06	4.63E-06	8.16E-07	5.53E-07	2.12E-05	1.10E-05	4.65E-06	5.47E-06	2.15E-06	1.10E-05	4.65E-06
5643	481713.22	3852046.2	3.45E-02	3.53E-02	3.33E-02	1.19E-05	3.60E-05	2.09E-05	2.14E-05	1.94E-05	8.83E-06	8.33E-06	3.98E-07	9.62E-06	2.12E-06	2.90E-06	4.60E-06	8.11E-07	5.50E-07	2.10E-05	1.09E-05	4.61E-06	5.43E-06	2.13E-06	1.09E-05	4.61E-06
5644	481780.12	3852116.06	3.48E-02	3.56E-02	3.36E-02	1.20E-05	3.63E-05	2.10E-05	2.15E-05	1.95E-05	8.91E-06	8.40E-06	4.02E-07	9.70E-06	2.14E-06	2.92E-06	4.64E-06	8.18E-07	5.54E-07	2.12E-05	1.10E-05	4.65E-06	5.47E-06	2.15E-06	1.10E-05	4.65E-06
5645	481847.03	3852185.92	3.52E-02	3.61E-02	3.40E-02	1.22E-05	3.68E-05	2.13E-05	2.18E-05	1.98E-05	9.03E-06	8.52E-06	4.07E-07	9.84E-06	2.17E-06	2.96E-06	4.70E-06	8.29E-07	5.62E-07	2.15E-05	1.11E-05	4.72E-06	5.55E-06	2.18E-06	1.11E-05	4.72E-06
5646	481913.93	3852255.78	3.55E-02	3.64E-02	3.43E-02	1.23E-05	3.71E-05	2.15E-05	2.20E-05	1.99E-05	9.10E-06	8.58E-06	4.10E-07	9.91E-06	2.19E-06	2.99E-06	4.74E-06	8.35E-07	5.66E-07	2.16E-05	1.12E-05	4.75E-06	5.59E-06	2.20E-06	1.12E-05	4.75E-06
5647	481980.83	3852325.65	3.59E-02	3.68E-02	3.47E-02	1.24E-05	3.75E-05	2.17E-05	2.23E-05	2.02E-05	9.21E-06	8.69E-06	4.15E-07	1.00E-05	2.21E-06	3.02E-06	4.79E-06	8.45E-07	5.73E-07	2.19E-05	1.13E-05	4.81E-06	5.66E-06	2.22E-06	1.13E-05	4.81E-06
5648	482047.73	3852395.51	3.60E-02	3.69E-02	3.48E-02	1.25E-05	3.76E-05	2.18E-05	2.23E-05	2.02E-05	9.23E-06	8.71E-06	4.16E-07	1.01E-05	2.22E-06	3.03E-06	4.81E-06	8.47E-07	5.74E-07	2.19E-05	1.14E-05	4.82E-06	5.67E-06	2.23E-06	1.14E-05	4.82E-06
5649	482114.64	3852465.37	3.60E-02	3.69E-02	3.48E-02	1.25E-05	3.77E-05	2.18E-05	2.23E-05	2.02E-05	9.24E-06	8.71E-06	4.17E-07	1.01E-05	2.22E-06	3.03E-06	4.81E-06	8.48E-07	5.75E-07	2.20E-05	1.14E-05	4.83E-06	5.68E-06	2.23E-06	1.14E-05	4.83E-06
5650	482181.54	3852535.23	3.65E-02	3.74E-02	3.53E-02	1.26E-05	3.82E-05	2.21E-05	2.26E-05	2.05E-05	9.37E-06	8.83E-06	4.22E-07	1.02E-05	2.25E-06	3.07E-06	4.88E-06	8.60E-07	5.83E-07	2.23E-05	1.15E-05	4.89E-06	5.76E-06	2.26E-06	1.15E-05	4.89E-06
5651	482338.69	3852700.04	3.74E-02	3.83E-02	3.61E-02	1.29E-05	3.91E-05	2.26E-05	2.32E-05	2.10E-05	9.58E-06	9.03E-06	4.32E-07	1.04E-05	2.30E-06	3.14E-06	4.99E-06	8.79E-07	5.96E-07	2.28E-05	1.18E-05	5.00E-06	5.89E-06	2.31E-06	1.18E-05	5.00E-06
5652	482404.05	3852767.78	3.71E-02	3.80E-02	3.58E-02	1.28E-05	3.88E-05	2.24E-05	2.30E-05	2.08E-05	9.51E-06	8.97E-06	4.29E-07	1.04E-05	2.29E-06	3.12E-06	4.95E-06	8.72E-07	5.92E-07	2.26E-05	1.17E-05	4.97E-06	5.84E-06	2.30E-06	1.17E-05	4.97E-06
5653	482469.4	3852835.52	3.73E-02	3.82E-02	3.61E-02	1.29E-05	3.90E-05	2.26E-05	2.31E-05	2.10E-05	9.57E-06	9.02E-06	4.31E-07	1.04E-05	2.30E-06	3.14E-06	4.98E-06	8.78E-07	5.95E-07	2.27E-05	1.18E-05	5.00E-06	5.88E-06	2.31E-06	1.18E-05	5.00E-06
5654	482534.75	3852903.25	3.73E-02	3.82E-02	3.60E-02	1.29E-05	3.90E-05	2.26E-05	2.31E-05	2.10E-05	9.56E-06	9.02E-06	4.31E-07	1.04E-05	2.30E-06	3.14E-06	4.98E-06	8.77E-07	5.95E-07	2.27E-05	1.18E-05	4.99E-06	5.88E-06	2.31E-06	1.18E-05	4.99E-06
5655	482600.11	3852970.99	3.64E-02	3.73E-02	3.52E-02	1.26E-05	3.80E-05	2.20E-05	2.26E-05	2.04E-05	9.33E-06	8.80E-06	4.21E-07	1.02E-05	2.24E-06	3.06E-06	4.86E-06	8.56E-07	5.80E-07	2.22E-05	1.15E-05	4.87E-06	5.73E-06	2.25E-06	1.15E-05	4.87E-06
5656	482706.71	3853119.28	2.95E-02	3.02E-02	2.85E-02	1.02E-05	3.08E-05	1.78E-05	1.83E-05	1.66E-05	7.55E-06	7.13E-06	3.41E-07	8.23E-06	1.82E-06	2.48E-06	3.93E-06	6.93E-07	4.70E-07	1.80E-05	9.30E-06	3.95E-06	4.64E-06	1.82E-06	9.30E-06	3.95E-06
5657	482747.96	3853199.84	2.99E-02	3.06E-02	2.89E-02	1.04E-05	3.13E-05	1.81E-05	1.85E-05	1.68E-05	7.67E-06	7.23E-06	3.46E-07	8.35E-06	1.84E-06	2.52E-06	3.99E-06	7.04E-07	4.77E-07	1.82E-05	9.44E-06	4.00E-06	4.71E-06	1.85E-06	9.44E-06	4.00E-06
5658	482789.21	3853280.4	2.82E-02	2.89E-02	2.73E-02	9.77E-06	2.95E-05	1.71E-05	1.75E-05	1.59E-05	7.24E-06	6.83E-06	3.26E-07	7.88E-06	1.74E-06	2.38E-06	3.77E-06	6.64E-07	4.50E-07	1.72E-05	8.91E-06	3.78E-06	4.45E-06	1.75E-06	8.91E-06	3.78E-06
5659	482830.46	3853360.96	2.38E-02	2.44E-02	2.30E-02	8.24E-06	2.49E-05	1.44E-05	1.48E-05	1.34E-05	6.10E-06	5.76E-06	2.75E-07	6.65E-06	1.47E-06	2.00E-06	3.18E-06	5.60E-07	3.80E-07	1.45E-05	7.52E-06	3.19E-06	3.75E-06	1.47E-06	7.52E-06	3.19E-06
5660	482871.71	3853441.52	2.04E-02	2.09E-02	1.98E-02	7.08E-06	2.14E-05	1.24E-05	1.27E-05	1.15E-05	5.24E-06	4.94E-06	2.36E-07	5.71E-06	1.26E-06	1.72E-06	2.73E-06	4.81E-07	3.26E-07	1.25E-05	6.45E-06	2.74E-06	3.22E-06	1.27E-06	6.45E-06	2.74E-06
5661	482912.95	3853522.07	1.78E-02	1.83E-02	1.72E-02	6.18E-06	1.86E-05	1.08E-05	1.11E-05	1.00E-05	4.57E-06	4.31E-06	2.06E-07	4.98E-06	1.10E-06	1.50E-06	2.38E-06	4.20E-07	2.85E-07	1.09E-05	5.63E-06	2.39E-06	2.81E-06	1.10E-06	5.63E-06	2.39E-06
5662	482954.2	3853602.63	1.47E-02	1.50E-02	1.42E-02	5.08E-06	1.53E-05	8.88E-06	9.10E-06	8.25E-06	3.76E-06	3.55E-06	1.70E-07	4.10E-06	9.04E-07	1.24E-06	1.96E-06	3.45E-07	2.34E-07	8.95E-06	4.63E-06	1.97E-06	2.31E-06	9.08E-07	4.63E-06	1.97E-06
5663	482995.45	3853683.19	1.23E-02	1.26E-02	1.19E-02	4.25E-06	1.28E-05	7.43E-06	7.61E-06	6.90E-06	3.15E-06	2.97E-06	1.42E-07	3.43E-06	7.57E-07	1.03E-06	1.64E-06	2.89E-07	1.96E-07	7.48E-06	3.88E-06	1.64E-06	1.93E-06	7.60E-07	3.88E-06	1.64E-06
5664	483036.7	3853763.75	1.05E-02	1.08E-02	1.02E-02	3.65E-06	1.10E-05	6.38E-06	6.53E-06	5.92E-06	2.70E-06	2.55E-06	1.22E-07	2.94E-06	6.49E-07	8.87E-07	1.41E-06	2.48E-07	1.68E-07	6.42E-06	3.33E-06	1.41E-06	1.66E-06	6.52E-07	3.33E-06	1.41E-06
5665	483214.2	3853909.91	5.92E-03	6.06E-03	5.72E-03	2.05E-06	6.19E-06	3.58E-06	3.67E-06	3.33E-06	1.52E-06	1.43E-06	6.84E-08	1.65E-06	3.65E-07	4.98E-07	7.90E-07	1.39E-07	9.44E-08	3.61E-06	1.87E-06	7.93E-07	9.33E-07	3.66E-07	1.87E-06	7.93E-07
5666	483307.01	3853910.44	4.93E-03	5.05E-03	4.76E-03	1.71E-06	5.15E-06	2.98E-06	3.05E-06	2.77E-06	1.26E-06	1.19E-06	5.69E-08	1.38E-06	3.04E-07	4.15E-07	6.58E-07	1.16E-07	7.86E-08	3.00E-06	1.55E-06	6.60E-07	7.76E-07	3.05E-07	1.55E-06	6.60E-07
5667	483399.83	3853910.96	4.19E-03	4.29E-03	4.05E-03	1.45E-06	4.38E-06	2.54E-06	2.60E-06	2.35E-06	1.07E-06	1.01E-06	4.85E-08	1.17E-06	2.58E-07	3.53E-07	5.59E-07	9.86E-08	6.68E-08	2.55E-06	1.32E-06	5.61E-07	6.60E-07	2.59E-07	1.32E-06	5.61E-07
5668	483494.52	3854009.24	3.76E-03	3.85E-03	3.63E-03	1.30E-06	3.93E-06	2.28E-06	2.33E-06	2.11E-06	9.64E-07	9.09E-07	4.35E-08	1.05E-06	2.32E-07	3.16E-07	5.02E-07	8.85E-08	6.00E-08	2.29E-06	1.19E-06	5.04E-07	5.92E-07	2.33E-07	1.19E-06	5.04E-07
5669	483496.41	3854106.98	3.85E-03	3.94E-03	3.72E-03	1.33E-06	4.02E-06	2.33E-06	2.38E-06	2.16E-06	9.86E-07	9.30E-07	4.45E-08	1.07E-06	2.37E-07	3.24E-07	5.14E-07	9.05E-08	6.14E-08	2.35E-06	1.21E-06	5.15E-07	6.06E-07	2.38E-07	1.21E-06	5.15E-07
5670	483577.56	3854261.96	3.45E-03	3.54E-03	3.34E-03	1.20E-06	3.61E-06	2.09E-06	2.14E-06	1.94E-06	8.85E-07	8.35E-07	3.99E-08	9.64E-07	2.13E-07	2.91E-07	4.61E-07	8.12E-08	5.51E-08	2.10E-06	1.09E-06	4.62E-07	5.44E-07	2.14E-07	1.09E-06	4.62E-07
5671	483656.83	3854319.19	3.11E-03	3.19E-03	3.01E-03	1.08E-06	3.25E-06	1.88E-06	1.93E-06	1.75E-06	7.97E-07	7.52E-07	3.60E-08	8.69E-07	1.92E-07	2.62E-07	4.15E-07	7.32E-08	4.96E-08	1.90E-06	9.82E-07	4.17E-07	4.90E-07	1.93E-07	9.82E-07	4.17E-07
5672	483736.1	3854376.41	2.83E-03	2.90E-03	2.74E-03	9.80E-07	2.96E-06	1.71E-06	1.76E-06	1.59E-06	7.26E-07	6.85E-07	3.27E-08	7.91E-07	1.75E-07	2.38E-07	3.78E-07	6.66E-08	4.52E-08	1.73E-06	8.94E-07	3.79E-07	4.46E-07	1.75E-07	8.94E-07	3.79E-07
5673	483815.36	3854433.64	2.61E-03	2.68E-03	2.52E-03	9.04E-07	2.73E-06	1.58E-06	1.62E-06	1.47E-06	6.70E-07	6.32E-07	3.02E-08	7.29E-07	1.61E-07	2.20E-07	3.49E-07	6.15E-08	4.17E-08	1.59E-06	8.24E-07	3.50E-07	4.12E-07	1.62E-07	8.24E-07	3.50E-07
5674	483894.63	3854490.87	2.43E-03	2.49E-03	2.35E-03	8.41E-07	2.54E-06	1.47E-06	1.51E-06	1.36E-06	6.23E-07	5.87E-07	2.81E-08	6.78E-07	1.50E-07	2.04E-07	3.24E-07	5.71E-08	3.87E-08	1.48E-06	7.67E-07	3.25E-07	3.83E-07	1.50E-07	7.67E-07	3.25E-07
5675	483973.9	3854548.09	2.29E-03	2.34E-03	2.21E-03	7.92E-07	2.39E-06	1.38E-06	1.42E-06	1.29E-06	5.86E-07	5.53E-07	2.64E-08	6.39E-07	1.41E-07	1.92E-07	3.05E-07	5.38E-08	3.65E-08	1.39E-06	7.22E-07	3.06E-07	3.60E-07	1.42E-07	7.22E-07	3.06E-07
5676	484053.17	3854605.32	2.20E-03	2.26E-03	2.13E-03	7.62E-07	2.30E-06	1.33E-06	1.36E-06	1.24E-06	5.64E-07	5.32E-07	2.55E-08	6.15E-07	1.36E-07	1.85E-07	2.94E-07	5.18E-08	3.51E-08	1.34E-06	6.95E-07	2.95E-07	3.47E-07	1.36E-07	6.95E-07	2.95E-07
5677	484214.97	3854698.15	2.06E-03	2.11E-03	1.99E-03	7.15E-07	2.16E-06	1.25E-06	1.28E-06	1.16E-06	5.29E-07	4.99E-07	2.39E-08	5.77E-07	1.27E-07	1.74E-07	2.76E-07	4.86E-08	3.29E-08	1.26E-06	6.52E-07	2.76E-07	3.25E-07	1.28E-07	6.52E-07	2.76E-07
5678	484297.5	3854733.74	2.04E-03	2.09E-03	1.97E-03	7.07E-07	2.13E-06	1.24E-06	1.26E-06	1.15E-06	5.23E-07	4.94E-07	2.36E-08	5.70E-07	1.26E-07	1.72E-07	2.72E-07	4.80E-08	3.26E-08	1.24E-06	6.44E-07	2.73E-07	3.22E-07	1.26E-07	6.44E-07	2.73E-07
5679	484380.03	3854769.34	1.99E-03	2.04E-03	1.92E-03	6.88E-07	2.08E-06	1.20E-06	1.23E-06	1.12E-06	5.10E-07	4.81E-07	2.30E-08	5.55E-07	1.22E-07	1.67E-07	2.65E-07	4.68E-08	3.17E-08	1.21E-06	6.27E-07	2.66E-07	3.13E-07	1.23E-07	6.27E-07	2.66E-07
5680	484462.56	3854804.94	1.97E-03	2.02E-03	1.91E-03	6.84E-07	2.06E-06	1.19E-06	1.22E-06	1.11E-06	5.06E-07	4.77E-07	2.28E-08	5.51E-07	1.22E-07	1.66E-07	2.64E-07	4.65E-08	3.15E-08	1.20E-06	6.23E-07	2.64E-07	3.11E-07	1.22E-07	6.23E-07	2.64E-07
5681	484545.09	3854840.53	1.92E-03	1.97E-03	1.86E-03	6.66E-07	2.01E-06	1.16E-06	1.19E-06	1.08E-06	4.93E-07	4.65E-07	2.22E-08	5.37E-07	1.19E-07	1.62E-07	2.57E-07	4.53E-08	3.07E-08	1.17E-06	6.07E-07	2.58E-07	3.03E-07	1.19E-07	6.07E-07	2.58E-07
5682	484691.88	3854912.58	1.93E-03	1.97E-03	1.86E-03	6.67E-07	2.01E-06	1.17E-06	1.19E-06	1.08E-06	4.94E-07	4.66E-07	2.23E-08	5.38E-07	1.19E-07	1.62E-07	2.57E-07	4.53E-08	3.07E-08	1.17E-06	6.08E-07	2.58E-07	3.03E-07	1.19E-07	6.08E-07	2.58E-07
5683	484830.81	3855012.51	1.95E-03	2.00E-03	1.89E-03	6.76E-07	2.04E-06	1.18E-06	1.21E-06	1.10E-06	5.01E-07	4.72E-07	2.26E-08	5.46E-07	1.20E-07	1.64E-07	2.61E-07	4.60E-08	3.12E-08	1.19E-06	6.17E-07	2.62E-07	3.08E-07	1.21E-07	6.17E-07	2.62E-07
5684	484905.48	3855075.97	2.03E-03	2.08E-03	1.96E-03	7.02E-07	2.12E-06	1.23E-06	1.26E-06	1.14E-06	5.20E-07	4.91E-07	2.35E-08	5.67E-07	1.25E-07	1.71E-07	2.71E-07	4.77E-08	3.24E-08	1.24E-06	6.40E-07	2.72E-07	3.20E-07	1.26E-07	6.40E-07	2.72E-07
5685	484980.14	3855139.44	2.07E-03	2.12E-03	2.00E-03	7.17E-07	2.17E-06	1.25E-06	1.28E-06	1.16E-06	5.31E-07	5.01E-07	2.40E-08	5.79E-07	1.28E-07	1.74E-07	2.77E-07	4.87E-08	3.30E-08	1.26E-06	6.54E-07	2.77E-07	3.26E-07	1.28E-07	6.54E-07	2.77E-07
5686	485054.81	3855202.91	2.09E-03	2.14E-03	2.02E-03	7.22E-07	2.18E-06	1.26E-06	1.29E-06	1.17E-06	5.35E-07	5.05E-07	2.41E-08	5.83E-07	1.29E-07	1.76E-07	2.79E-07	4.91E-08	3.33E-08	1.27E-06	6.59E-07	2.79E-07	3.29E-07	1.29E-07	6.59E-07	2.79E-07
5687	485129.48	3855266.37	2.06E-03	2.11E-03	1.99E-03	7.14E-07	2.16E-06	1.25E-06	1.28E-06	1.16E-06	5.29E-07	4.99E-07	2.39E-08	5.76E-07	1.27E-07	1.74E-07	2.75E-07	4.85E-08	3.29E-08	1.26E-06	6.51E-07	2.76E-07	3.25E-07	1.28E-07	6.51E-07	2.76E-07
5688	485204.15	3855329.84	2.11E-03	2.16E-03	2.04E-03	7.31E-07	2.21E-06	1.28E-06	1.31E-06	1.19E-06	5.41E-07	5.11E-07	2.44E-08	5.90E-07	1.30E-07	1.78E-07	2.82E-07	4.97E-08	3.37E-08	1.29E-06	6.67E-07	2.83E-07	3.33E-07	1.31E-07	6.67E-07	2.83E-07
5689	485278.82	3855393.31	2.12E-03	2.17E-03	2.05E-03	7.34E-07	2.22E-06	1.28E-06	1.31E-06	1.19E-06	5.44E-07	5.13E-07	2.45E-08	5.92E-07	1.31E-07	1.78E-07	2.83E-07	4.99E-08	3.38E-08	1.29E-06	6.69E-07	2.84E-07	3.34E-07	1.31E-07	6.69E-07	2.84E-07
5690	485353.48	3855456.77	2.15E-03	2.20E-03	2.08E-03	7.45E-07	2.25E-06	1.30E-06	1.33E-06	1.21E-06	5.52E-07	5.20E-07	2.49E-08	6.01E-07	1.33E-07	1.81E-07	2.87E-07	5.06E-08	3.43E-08	1.31E-06	6.79E-07	2.88E-07	3.39E-07	1.33E-07	6.79E-07	2.88E-07
5691	485428.15	3855520.24	2.16E-03	2.21E-03	2.09E-03	7.48E-07	2.26E-06	1.31E-06	1.34E-06	1.21E-06	5.54E-07	5.22E-07	2.50E-08	6.03E-07	1.33E-07	1.82E-07	2.88E-07	5.08E-08	3.45E-08	1.32E-06	6.82E-07	2.89E-07	3.40E-07	1.34E-07	6.82E-07	2.89E-07

5692	485502.82	3855583.71	2.18E-03	2.23E-03	2.10E-03	7.53E-07	2.27E-06	1.32E-06	1.35E-06	1.22E-06	5.58E-07	5.26E-07	2.51E-08	6.07E-07	1.34E-07	1.83E-07	2.90E-07	5.12E-08	3.47E-08	1.33E-06	6.87E-07	2.91E-07	3.43E-07	1.35E-07	6.87E-07	2.91E-07
5693	485577.49	3855647.17	2.22E-03	2.28E-03	2.15E-03	7.69E-07	2.32E-06	1.34E-06	1.38E-06	1.25E-06	5.70E-07	5.37E-07	2.57E-08	6.21E-07	1.37E-07	1.87E-07	2.97E-07	5.23E-08	3.54E-08	1.35E-06	7.02E-07	2.98E-07	3.50E-07	1.38E-07	7.02E-07	2.98E-07
5694	485652.16	3855710.64	2.27E-03	2.32E-03	2.19E-03	7.86E-07	2.37E-06	1.37E-06	1.41E-06	1.28E-06	5.82E-07	5.49E-07	2.62E-08	6.34E-07	1.40E-07	1.91E-07	3.03E-07	5.34E-08	3.62E-08	1.38E-06	7.16E-07	3.04E-07	3.58E-07	1.40E-07	7.16E-07	3.04E-07
5695	485726.83	3855774.1	2.28E-03	2.34E-03	2.21E-03	7.90E-07	2.39E-06	1.38E-06	1.41E-06	1.28E-06	5.85E-07	5.52E-07	2.64E-08	6.38E-07	1.41E-07	1.92E-07	3.05E-07	5.37E-08	3.64E-08	1.39E-06	7.21E-07	3.06E-07	3.60E-07	1.41E-07	7.21E-07	3.06E-07
5696	485801.49	3855837.57	2.28E-03	2.33E-03	2.20E-03	7.89E-07	2.38E-06	1.38E-06	1.41E-06	1.28E-06	5.84E-07	5.51E-07	2.63E-08	6.36E-07	1.40E-07	1.92E-07	3.04E-07	5.36E-08	3.63E-08	1.39E-06	7.19E-07	3.05E-07	3.59E-07	1.41E-07	7.19E-07	3.05E-07
5697	485876.16	3855901.04	2.29E-03	2.34E-03	2.21E-03	7.92E-07	2.39E-06	1.39E-06	1.42E-06	1.29E-06	5.87E-07	5.53E-07	2.65E-08	6.39E-07	1.41E-07	1.93E-07	3.06E-07	5.38E-08	3.65E-08	1.40E-06	7.22E-07	3.07E-07	3.61E-07	1.42E-07	7.22E-07	3.07E-07
5698	485950.83	3855964.5	2.29E-03	2.34E-03	2.21E-03	7.91E-07	2.39E-06	1.38E-06	1.42E-06	1.28E-06	5.86E-07	5.53E-07	2.64E-08	6.38E-07	1.41E-07	1.92E-07	3.05E-07	5.38E-08	3.65E-08	1.39E-06	7.22E-07	3.06E-07	3.60E-07	1.41E-07	7.22E-07	3.06E-07
5699	486025.5	3856027.97	2.26E-03	2.32E-03	2.19E-03	7.83E-07	2.36E-06	1.37E-06	1.40E-06	1.27E-06	5.80E-07	5.47E-07	2.62E-08	6.32E-07	1.39E-07	1.90E-07	3.02E-07	5.32E-08	3.61E-08	1.38E-06	7.14E-07	3.03E-07	3.56E-07	1.40E-07	7.14E-07	3.03E-07
5700	486100.17	3856091.44	2.32E-03	2.38E-03	2.24E-03	8.04E-07	2.43E-06	1.40E-06	1.44E-06	1.30E-06	5.95E-07	5.61E-07	2.68E-08	6.48E-07	1.43E-07	1.95E-07	3.10E-07	5.46E-08	3.70E-08	1.41E-06	7.33E-07	3.11E-07	3.66E-07	1.44E-07	7.33E-07	3.11E-07
5701	486174.83	3856154.9	2.29E-03	2.34E-03	2.21E-03	7.92E-07	2.39E-06	1.38E-06	1.42E-06	1.29E-06	5.86E-07	5.53E-07	2.64E-08	6.39E-07	1.41E-07	1.92E-07	3.05E-07	5.38E-08	3.65E-08	1.39E-06	7.22E-07	3.06E-07	3.60E-07	1.42E-07	7.22E-07	3.06E-07
5702	486249.5	3856218.37	2.21E-03	2.26E-03	2.13E-03	7.64E-07	2.31E-06	1.34E-06	1.37E-06	1.24E-06	5.66E-07	5.34E-07	2.55E-08	6.16E-07	1.36E-07	1.86E-07	2.95E-07	5.19E-08	3.52E-08	1.35E-06	6.97E-07	2.96E-07	3.48E-07	1.37E-07	6.97E-07	2.96E-07
5703	486324.17	3856281.84	2.15E-03	2.21E-03	2.08E-03	7.46E-07	2.25E-06	1.30E-06	1.34E-06	1.21E-06	5.52E-07	5.21E-07	2.49E-08	6.02E-07	1.33E-07	1.81E-07	2.88E-07	5.07E-08	3.44E-08	1.31E-06	6.80E-07	2.89E-07	3.39E-07	1.33E-07	6.80E-07	2.89E-07
5704	486398.84	3856345.3	2.18E-03	2.23E-03	2.11E-03	7.55E-07	2.28E-06	1.32E-06	1.35E-06	1.22E-06	5.59E-07	5.27E-07	2.52E-08	6.09E-07	1.34E-07	1.83E-07	2.91E-07	5.13E-08	3.48E-08	1.33E-06	6.88E-07	2.92E-07	3.43E-07	1.35E-07	6.88E-07	2.92E-07
5705	486473.51	3856408.77	2.18E-03	2.24E-03	2.11E-03	7.56E-07	2.28E-06	1.32E-06	1.35E-06	1.23E-06	5.60E-07	5.28E-07	2.52E-08	6.10E-07	1.35E-07	1.84E-07	2.92E-07	5.14E-08	3.48E-08	1.33E-06	6.89E-07	2.93E-07	3.44E-07	1.35E-07	6.89E-07	2.93E-07
5706	486548.17	3856472.24	2.21E-03	2.27E-03	2.14E-03	7.66E-07	2.31E-06	1.34E-06	1.37E-06	1.24E-06	5.67E-07	5.35E-07	2.56E-08	6.18E-07	1.36E-07	1.86E-07	2.95E-07	5.21E-08	3.53E-08	1.35E-06	6.99E-07	2.96E-07	3.49E-07	1.37E-07	6.99E-07	2.96E-07
5707	486622.84	3856535.7	2.25E-03	2.30E-03	2.17E-03	7.78E-07	2.35E-06	1.36E-06	1.39E-06	1.26E-06	5.76E-07	5.43E-07	2.60E-08	6.27E-07	1.38E-07	1.89E-07	3.00E-07	5.28E-08	3.58E-08	1.37E-06	7.09E-07	3.01E-07	3.54E-07	1.39E-07	7.09E-07	3.01E-07
5708	486765.48	3856659.69	2.34E-03	2.39E-03	2.26E-03	8.09E-07	2.44E-06	1.41E-06	1.45E-06	1.31E-06	5.99E-07	5.65E-07	2.70E-08	6.52E-07	1.44E-07	1.97E-07	3.12E-07	5.50E-08	3.73E-08	1.42E-06	7.37E-07	3.13E-07	3.68E-07	1.45E-07	7.37E-07	3.13E-07
5709	486833.44	3856720.2	2.37E-03	2.43E-03	2.29E-03	8.22E-07	2.48E-06	1.44E-06	1.47E-06	1.33E-06	6.08E-07	5.74E-07	2.74E-08	6.63E-07	1.46E-07	2.00E-07	3.17E-07	5.58E-08	3.78E-08	1.45E-06	7.49E-07	3.18E-07	3.74E-07	1.47E-07	7.49E-07	3.18E-07
5710	486901.41	3856780.72	2.42E-03	2.48E-03	2.34E-03	8.39E-07	2.53E-06	1.47E-06	1.50E-06	1.36E-06	6.21E-07	5.86E-07	2.80E-08	6.77E-07	1.49E-07	2.04E-07	3.23E-07	5.70E-08	3.86E-08	1.48E-06	7.65E-07	3.25E-07	3.82E-07	1.50E-07	7.65E-07	3.25E-07
5711	486969.38	3856841.24	2.47E-03	2.53E-03	2.38E-03	8.54E-07	2.58E-06	1.49E-06	1.53E-06	1.39E-06	6.33E-07	5.97E-07	2.85E-08	6.89E-07	1.52E-07	2.08E-07	3.29E-07	5.81E-08	3.94E-08	1.50E-06	7.79E-07	3.30E-07	3.89E-07	1.53E-07	7.79E-07	3.30E-07
5712	487037.34	3856901.75	2.51E-03	2.57E-03	2.43E-03	8.70E-07	2.63E-06	1.52E-06	1.56E-06	1.41E-06	6.44E-07	6.07E-07	2.90E-08	7.01E-07	1.55E-07	2.11E-07	3.35E-07	5.91E-08	4.01E-08	1.53E-06	7.93E-07	3.36E-07	3.96E-07	1.55E-07	7.93E-07	3.36E-07
5713	487271.23	3856855.51	2.22E-03	2.28E-03	2.15E-03	7.70E-07	2.32E-06	1.35E-06	1.38E-06	1.25E-06	5.70E-07	5.38E-07	2.57E-08	6.21E-07	1.37E-07	1.87E-07	2.97E-07	5.23E-08	3.55E-08	1.36E-06	7.02E-07	2.98E-07	3.50E-07	1.38E-07	7.02E-07	2.98E-07
5714	487368.95	3856857.29	2.15E-03	2.21E-03	2.08E-03	7.45E-07	2.25E-06	1.30E-06	1.33E-06	1.21E-06	5.52E-07	5.21E-07	2.49E-08	6.01E-07	1.33E-07	1.81E-07	2.87E-07	5.07E-08	3.43E-08	1.31E-06	6.80E-07	2.88E-07	3.39E-07	1.33E-07	6.80E-07	2.88E-07
5715	487466.68	3856859.06	2.10E-03	2.15E-03	2.02E-03	7.25E-07	2.19E-06	1.27E-06	1.30E-06	1.18E-06	5.37E-07	5.07E-07	2.42E-08	5.85E-07	1.29E-07	1.76E-07	2.80E-07	4.93E-08	3.34E-08	1.28E-06	6.61E-07	2.81E-07	3.30E-07	1.30E-07	6.61E-07	2.81E-07
5716	487636.44	3856930	2.08E-03	2.13E-03	2.01E-03	7.19E-07	2.17E-06	1.26E-06	1.29E-06	1.17E-06	5.32E-07	5.02E-07	2.40E-08	5.80E-07	1.28E-07	1.75E-07	2.77E-07	4.88E-08	3.31E-08	1.27E-06	6.55E-07	2.78E-07	3.27E-07	1.29E-07	6.55E-07	2.78E-07
5717	487709.57	3856928.43	2.04E-03	2.08E-03	1.97E-03	7.05E-07	2.13E-06	1.23E-06	1.26E-06	1.14E-06	5.22E-07	4.92E-07	2.35E-08	5.68E-07	1.25E-07	1.71E-07	2.72E-07	4.79E-08	3.25E-08	1.24E-06	6.42E-07	2.73E-07	3.21E-07	1.26E-07	6.42E-07	2.73E-07
5718	487782.55	3856841.96	1.90E-03	1.95E-03	1.84E-03	6.58E-07	1.99E-06	1.15E-06	1.18E-06	1.07E-06	4.87E-07	4.59E-07	2.20E-08	5.30E-07	1.17E-07	1.60E-07	2.54E-07	4.47E-08	3.03E-08	1.16E-06	5.99E-07	2.54E-07	2.99E-07	1.18E-07	5.99E-07	2.54E-07
5719	487849.83	3856754.74	1.79E-03	1.83E-03	1.73E-03	6.19E-07	1.87E-06	1.08E-06	1.11E-06	1.00E-06	4.58E-07	4.32E-07	2.07E-08	4.99E-07	1.10E-07	1.50E-07	2.39E-07	4.20E-08	2.85E-08	1.09E-06	5.64E-07	2.39E-07	2.82E-07	1.11E-07	5.64E-07	2.39E-07
5720	487918.03	3856819.39	1.83E-03	1.87E-03	1.76E-03	6.32E-07	1.91E-06	1.10E-06	1.13E-06	1.03E-06	4.68E-07	4.41E-07	2.11E-08	5.10E-07	1.12E-07	1.54E-07	2.44E-07	4.29E-08	2.91E-08	1.11E-06	5.76E-07	2.44E-07	2.88E-07	1.13E-07	5.76E-07	2.44E-07
5721	487918.8	3856886.37	1.89E-03	1.94E-03	1.83E-03	6.55E-07	1.98E-06	1.14E-06	1.17E-06	1.06E-06	4.85E-07	4.57E-07	2.19E-08	5.28E-07	1.17E-07	1.59E-07	2.53E-07	4.45E-08	3.02E-08	1.15E-06	5.97E-07	2.53E-07	2.98E-07	1.17E-07	5.97E-07	2.53E-07
5722	488065.46	3857127.5	2.07E-03	2.12E-03	2.00E-03	7.15E-07	2.16E-06	1.25E-06	1.28E-06	1.16E-06	5.30E-07	5.00E-07	2.39E-08	5.77E-07	1.27E-07	1.74E-07	2.76E-07	4.86E-08	3.30E-08	1.26E-06	6.52E-07	2.77E-07	3.26E-07	1.28E-07	6.52E-07	2.77E-07
5723	488192.19	3857385.83	2.39E-03	2.44E-03	2.30E-03	8.26E-07	2.49E-06	1.44E-06	1.48E-06	1.34E-06	6.11E-07	5.77E-07	2.76E-08	6.66E-07	1.47E-07	2.01E-07	3.18E-07	5.61E-08	3.80E-08	1.45E-06	7.53E-07	3.19E-07	3.76E-07	1.48E-07	7.53E-07	3.19E-07
5724	488191.21	3857473.87	2.56E-03	2.63E-03	2.48E-03	8.87E-07	2.68E-06	1.55E-06	1.59E-06	1.44E-06	6.57E-07	6.20E-07	2.96E-08	7.16E-07	1.58E-07	2.16E-07	3.42E-07	6.03E-08	4.09E-08	1.56E-06	8.09E-07	3.43E-07	4.04E-07	1.59E-07	8.09E-07	3.43E-07
5725	488190.24	3857561.9	2.77E-03	2.84E-03	2.68E-03	9.59E-07	2.90E-06	1.68E-06	1.72E-06	1.56E-06	7.10E-07	6.70E-07	3.20E-08	7.74E-07	1.71E-07	2.33E-07	3.70E-07	6.52E-08	4.42E-08	1.69E-06	8.75E-07	3.71E-07	4.37E-07	1.72E-07	8.75E-07	3.71E-07
5726	488158.35	3857691.13	3.18E-03	3.25E-03	3.07E-03	1.10E-06	3.32E-06	1.92E-06	1.97E-06	1.79E-06	8.15E-07	7.68E-07	3.67E-08	8.87E-07	1.96E-07	2.67E-07	4.24E-07	7.48E-08	5.07E-08	1.94E-06	1.00E-06	4.26E-07	5.01E-07	1.97E-07	1.00E-06	4.26E-07
5727	488208.37	3857816.66	3.56E-03	3.64E-03	3.43E-03	1.23E-06	3.72E-06	2.15E-06	2.20E-06	2.00E-06	9.11E-07	8.60E-07	4.11E-08	9.93E-07	2.19E-07	2.99E-07	4.75E-07	8.36E-08	5.67E-08	2.17E-06	1.12E-06	4.76E-07	5.60E-07	2.20E-07	1.12E-06	4.76E-07
5728	488271.97	3857874.6	3.68E-03	3.77E-03	3.56E-03	1.27E-06	3.85E-06	2.23E-06	2.28E-06	2.07E-06	9.44E-07	8.90E-07	4.26E-08	1.03E-06	2.27E-07	3.10E-07	4.92E-07	8.66E-08	5.87E-08	2.24E-06	1.16E-06	4.93E-07	5.80E-07	2.28E-07	1.16E-06	4.93E-07
5729	488463.56	3857942.31	3.61E-03	3.70E-03	3.49E-03	1.25E-06	3.77E-06	2.19E-06	2.24E-06	2.03E-06	9.26E-07	8.73E-07	4.17E-08	1.01E-06	2.23E-07	3.04E-07	4.82E-07	8.50E-08	5.76E-08	2.20E-06	1.14E-06	4.84E-07	5.69E-07	2.24E-07	1.14E-06	4.84E-07
5730	488554.83	3857940.83	3.43E-03	3.52E-03	3.32E-03	1.19E-06	3.59E-06	2.08E-06	2.13E-06	1.93E-06	8.80E-07	8.30E-07	3.97E-08	9.59E-07	2.12E-07	2.89E-07	4.58E-07	8.08E-08	5.47E-08	2.09E-06	1.08E-06	4.60E-07	5.41E-07	2.12E-07	1.08E-06	4.60E-07
5731	488646.1	3857939.36	3.27E-03	3.35E-03	3.16E-03	1.13E-06	3.42E-06	1.98E-06	2.03E-06	1.84E-06	8.39E-07	7.91E-07	3.78E-08	9.14E-07	2.02E-07	2.75E-07	4.37E-07	7.70E-08	5.22E-08	1.99E-06	1.03E-06	4.38E-07	5.15E-07	2.02E-07	1.03E-06	4.38E-07
5732	488737.37	3857937.88	3.12E-03	3.20E-03	3.02E-03	1.08E-06	3.26E-06	1.89E-06	1.94E-06	1.75E-06	8.01E-07	7.55E-07	3.61E-08	8.72E-07	1.92E-07	2.63E-07	4.17E-07	7.35E-08	4.98E-08	1.90E-06	9.86E-07	4.18E-07	4.92E-07	1.93E-07	9.86E-07	4.18E-07
5733	488733.59	3857960.57	3.20E-03	3.28E-03	3.09E-03	1.11E-06	3.34E-06	1.94E-06	1.98E-06	1.80E-06	8.20E-07	7.73E-07	3.70E-08	8.93E-07	1.97E-07	2.69E-07	4.27E-07	7.52E-08	5.10E-08	1.95E-06	1.01E-06	4.28E-07	5.04E-07	1.98E-07	1.01E-06	4.28E-07
5734	488638.09	3857961.57	3.36E-03	3.44E-03	3.25E-03	1.16E-06	3.51E-06	2.03E-06	2.08E-06	1.89E-06	8.61E-07	8.13E-07	3.88E-08	9.38E-07	2.07E-07	2.83E-07	4.49E-07	7.91E-08	5.36E-08	2.05E-06	1.06E-06	4.50E-07	5.29E-07	2.08E-07	1.06E-06	4.50E-07
5735	488542.6	3857962.56	3.54E-03	3.63E-03	3.42E-03	1.23E-06	3.70E-06	2.14E-06	2.20E-06	1.99E-06	9.08E-07	8.56E-07	4.09E-08	9.89E-07	2.18E-07	2.98E-07	4.73E-07	8.33E-08	5.65E-08	2.16E-06	1.12E-06	4.74E-07	5.58E-07	2.19E-07	1.12E-06	4.74E-07
5736	488447.1	3857963.56	3.74E-03	3.83E-03	3.61E-03	1.29E-06	3.91E-06	2.26E-06	2.32E-06	2.10E-06	9.58E-07	9.04E-07	4.32E-08	1.04E-06	2.30E-07	3.15E-07	4.99E-07	8.79E-08	5.96E-08	2.28E-06	1.18E-06	5.01E-07	5.89E-07	2.31E-07	1.18E-06	5.01E-07
5737	488254.28	3857890.36	3.79E-03	3.89E-03	3.67E-03	1.31E-06	3.97E-06	2.30E-06	2.35E-06	2.13E-06	9.73E-07	9.17E-07	4.39E-08	1.06E-06	2.34E-07	3.19E-07	5.06E-07	8.93E-08	6.05E-08	2.31E-06	1.20E-06	5.08E-07	5.98E-07	2.35E-07	1.20E-06	5.08E-07
5738	488191.69	3857833.06	3.65E-03	3.74E-03	3.53E-03	1.26E-06	3.82E-06	2.21E-06	2.26E-06	2.05E-06	9.37E-07	8.84E-07	4.22E-08	1.02E-06	2.25E-07	3.07E-07	4.88E-07	8.60E-08	5.83E-08	2.23E-06	1.15E-06	4.89E-07	5.76E-07	2.26E-07	1.15E-06	4.89E-07
5739	488129.5	3857907.43	4.20E-03	4.30E-03	4.05E-03	1.45E-06	4.39E-06	2.54E-06	2.60E-06	2.36E-06	1.08E-06	1.01E-06	4.85E-08	1.17E-06	2.59E-07	3.53E-07	5.60E-07	9.87E-08	6.69E-08	2.56E-06	1.32E-06	5.62E-07	6.61E-07	2.60E-07	1.32E-06	5.62E-07
5740	488196.47	3857968.73	4.39E-03	4.50E-03	4.24E-03	1.52E-06	4.59E-06	2.66E-06	2.72E-06	2.47E-06	1.13E-06	1.06E-06	5.08E-08	1.23E-06	2.71E-07	3.70E-07	5.86E-07	1.03E-07	7.00E-08	2.68E-06	1.39E-06	5.88E-07	6.92E-07	2.72E-07	1.39E-06	5.88E-07
5741	488263.44	3858030.04	4.59E-03	4.70E-03	4.44E-03	1.59E-06	4.80E-06	2.78E-06	2.85E-06	2.58E-06	1.18E-06	1.11E-06	5.31E-08	1.28E-06	2.83E-07	3.86E-07	6.13E-07	1.08E-07	7.32E-08	2.80E-06	1.45E-06	6.15E-07	7.23E-07	2.84E-07	1.45E-06	6.15E-07
5742	488400.64	3858132.9	4.88E-03	4.99E-03	4.71E-03	1.69E-06	5.10E-06	2.95E-06	3.02E-06	2.74E-06	1.25E-06	1.18E-06	5.64E-08	1.36E-06	3.00E-07	4.10E-07	6.51E-07	1.15E-07	7.78E-08	2.97E-06	1.54E-06	6.53E-07	7.68E-07	3.02E-07	1.54E-06	6.53E-07
5743	488519.89	3858218.38	5.22E-03	5.35E-03	5.04E-03	1.81E-06	5.46E-06	3.16E-06	3.24E-06	2.93E-06	1.34E-06	1.26E-06	6.04E-08	1.46E-06	3.22E-07	4.39E-07	6.97E-07	1.23E-07	8.33E-08	3.18E-06	1.65E-06	6.99E-07	8.23E-07	3.23E-07	1.65E-06	6.99E-07
5744	488647.97	3858214.99	4.66E-03	4.77E-03	4.50E-03	1.61E-06	4.87E-06	2.82E-06	2.89E-06	2.62E-06	1.19E-06	1.13E-06	5.38E-08	1.30E-06	2.87E-07	3.92E-07	6.22E-07	1.10E-07	7.43E-08	2.84E-06	1.47E-06	6.24E-07	7.34E-07	2.88E-07	1.47E-06	6.24E-07
5745	488727.05	3858167.67	4.10E-03	4.20E-03	3.97E-03	1.42E-06	4.29E-06	2.48E-06	2.54E-06	2.31E-06	1.05E-06	9.92E-07	4.74E-08	1.15E-06	2.53E-07	3.45E-07	5.48E-07	9.66E-08	6.55E-08	2.50E-06	1.30E-06	5.50E-07	6.47E-07	2.54E-07	1.30E-06	5.50E-07
5746	488806.12	3858120.35	3.67E-03	3.76E-03	3.55E-03	1.27E-06	3.84E-06	2.22E-06	2.28E-06	2.06E-06	9.41E-07	8.88E-07	4.24E-08	1.03E-06	2.26E-07	3.09E-07	4.90E-07	8.64E-08	5.86E-08	2.24E-06	1.16E-06	4.92E-07	5.78E-07	2.27E-07	1.16E-06	4.92E-07
5747	488885.2	3858073.03	3.33E-03	3.41E-03	3.21E-03	1.15E-06	3.48E-06	2.01E-06	2.06E-06	1.87E-06	8.53E-07	8.04E-07	3.85E-08	9.29E-07	2.05E-07	2.80E-07	4.44E-07	7.83E-08	5.31E-08	2.03E-06	1.05E-06	4.45E-07	5.24E-07	2.06E-07	1.05E-06	4.45E-07
5748	489055.76	3857991.17	2.82E-03	2.89E-03	2.72E-03	9.75E-07	2.94E-06	1.70E-06	1.75E-06	1.58E-06	7.22E-07	6.81E-07	3.26E-08	7.87E-07	1.74E-07	2.37E-07	3.76E-07	6.63E-08	4.49E-08	1.72E-06	8.89E-07	3.77E-07	4.44E-07	1.74E-07	8.89E-07	3.77E-07
5749	489245.39	3857944.54	2.49E-03	2.55E-03	2.40E-03	8.61E-07	2.60E-06	1.51E-06	1.54E-06	1.40E-06	6.38E-07	6.02E-07	2.88E-08	6.95E-07	1.53E-07	2.09E-07	3.32E-07	5.85E-08	3.97E-08	1.52E-06	7.85E-07	3.33E-07	3.92E-07	1.54E-07	7.85E-07	3.33E-07
5750	489430.63	3857930.91	2.30E-03	2.36E-03	2.22E-03	7.96E-07	2.40E-06	1.39E-06	1.43E-06	1.29E-06	5.90E-07	5.56E-07	2.66E-08	6.42E-07	1.42E-07	1.94E-07	3.07E-07	5.41E-08	3.67E-08	1.40E-06	7.26E-07	3.08E-07	3.62E-07	1.42E-07	7.26E-07	3.08E-07
5751	489517.74	3857929.36	2.23E-03	2.28E-03	2.15E-03	7.71E-07	2.33E-06	1.35E-06	1.38E-06	1.25E-06	5.71E-07	5.39E-07	2.58E-08	6.22E-07	1.37E-07	1.88E-07	2.97E-07	5.24E-08	3.55E-08	1.36E-06	7.03E-07	2.98E-07	3.51E-07	1.38E-07	7.03E-07	2.98E-07
5752	489604.85	3857927.82	2.16E-03	2.21E-03	2.08E-03	7.47E-07	2.26E-06	1.31E-06	1.34E-06	1.21E-06	5.53E-07	5.22E-07	2.49E-08	6.02E-07	1.33E-07	1.82E-07	2.88E-07	5.08E-08	3.44E-08	1.32E-06	6.81E-07	2.89E-07	3.40E-07	1.34E-07	6.81E-07	2.89E-07
5753	489691.97	3857926.28	2.10E-03	2.15E-03	2.02E-03	7.25E-07	2.19E-06	1.27E-06	1.30E-06	1.18E-06	5.37E-07	5.07E-07	2.42E-08	5.85E-07	1.29E-07	1.76E-07	2.80E-07	4.93E-08	3.34E-08	1.28E-06	6.61E-07	2.81E-07	3.30E-07	1.30E-07	6.61E-07	2.81E-07
5754	489779.08	3857924.73	2.04E-03	2.08E-03	1.97E-03	7.05E-07	2.13E-06	1.23E-06	1.26E-06	1.14E-06	5.22E-07	4.92E-07	2.35E-08	5.68E-07	1.25E-07	1.71E-07	2.72E-07	4.79E-08	3.25E-08	1.24E-06	6.42E-07	2.73E-07	3.21E-07	1.26E-07	6.42E-07	2.73E-07
5755	490017.55	3857875.08	1.84E-03	1.89E-03	1.78E-03	6.38E-07	1.93E-06	1.11E-06	1.14E-06	1.03E-06	4.72E-07	4.45E-07	2.13E-08	5.14E-07	1.13E-07	1.55E-07	2.46E-07	4.33E-08	2.94E-08	1.12E-06	5.81E-07	2.47E-07	2.90E-07	1.14E-07	5.81E-07	2.47E-07
5756	490033.82	3857960.81	1.93E-03	1.98E-03	1.86E-03	6.68E-07	2.02E-06	1.17E-06	1.20E-06	1.08E-06	4.94E-07	4.66E-07	2.23E-08	5.39E-07	1.19E-07	1.62E-07	2.57E-07	4.54E-08	3.08E-08	1.18E-06	6.09E-07	2.58E-07	3.04E-07	1.19E-07	6.09E-07	2.58E-07
5757	489959.15	3857987.49	2.01E-03	2.06E-03	1.94E-03	6.96E-07	2.10E-06	1.22E-06	1.25E-06	1.13E-06	5.15E-07	4.86E-07	2.32E-08	5.61E-07	1.24E-07	1.69E-07	2.68E-07	4.73E-08	3.21E-08	1.23E-06	6.34E-07	2.69E-07	3.17E-07	1.24E-07	6.34E-07	2.69E-07
5758	489791.49	3858016.12	2.14E-03	2.19E-03	2.07E-03	7.41E-07	2.24E-06	1.29E-06	1.33E-06	1.20E-06	5.49E-07	5.17E-07	2.47E-08	5.98E-07	1.32E-07	1.80E-07	2.86E-07	5.03E-08	3.41E-08	1.30E-06	6.75E-07	2.87E-07	3.37E-07	1.32E-07	6.75E-07	2.87E-07
5759	489698.51	3858018.07	2.21E-03	2.27E-03	2.14E-03	7.66E-07	2.31E-06	1.34E-06	1.37E-06	1.24E-06	5.67E-07	5.35E-07	2.56E-08	6.18E-07	1.36E-07	1.86E-07	2.95E-07	5.20E-08	3.53E-08	1.35E-06	6.98E-07	2.96E-07	3.49E-07	1.37E-07	6.98E-07	2.96E-07
5760	489605.52	3858020.01	2.29E-03	2.35E-03	2.21E-03	7.93E-07	2.40E-06	1.39E-06	1.42E-06	1.29E-06	5.88E-07	5.54E-07	2.65E-08	6.40E-07	1.41E-07	1.93E-07	3.06E-07	5.39E-08	3.66E-08	1.40E-06	7.23E-07	3.07E-07	3.61E-07	1.42E-07	7.23E-07	3.07E-07
5761	489512.53	3858021.96	2.38E-03	2.43E-03	2.30E-03	8.23E-07	2.48E-06	1.44E-06	1.47E-06	1.33E-06	6.09E-07	5.75E-07	2.75E-08	6.63E-07	1.46E-07	2.00E-07	3.17E-07	5.59E-08	3.79E-08	1.45E-06	7.50E-07	3.18E-07	3.74E-07	1.47E-07	7.50E-07	3.18E-07
5762	489419.55	3858023.91	2.47E-03	2.53E-03	2.39E-03	8.55E-07	2.58E-06	1.49E-06	1.53E-06	1.39E-06	6.33E-07	5.97E-07	2.86E-08	6.90E-07	1.52E-07	2.08E-07	3.30E-07	5.81E-08	3.94E-08	1.51E-06	7.80E-07	3.31E-07	3.89E-07	1.53E-07	7.80E-07	3.31E-07
5763	489228.47	3858041.29	2.69E-03	2.76E-03	2.60E-03	9.33E-07	2.82E-06	1.63E-06	1.67E-06	1.51E-06	6.91E-07	6.52E-07	3.12E-08	7.52E-07	1.66E-07	2.27E-07	3.60E-07	6.34E-08	4.30E-08	1.64E-06	8.51E-07	3.61E-07	4.25E-07	1.67E-07	8.51E-07	3.61E-07
5764	489065.75	3858085.78	3.05E-03	3.12E-03	2.95E-03	1.06E-06	3.19E-06	1.84E-06	1.89E-06	1.71E-06	7.82E-07	7.37E-07	3.52E-08	8.51E-07	1.88E-07	2.57E-07	4.07E-07	7.17E-08	4.86E-08	1.86E-06	9.62E-07	4.08E-07	4.80E-07	1.89E-07	9.62E-07	4.08E-07
5765	489001.12	3858114.86	3.25E-03	3.33E-03	3.14E-03	1.12E-06	3.40E-06	1.97E-06	2.01E-06	1.82E-06	8.33E-07	7.85E-07	3.75E-08	9.07E-07	2.00E-07	2.73E-07	4.34E-07	7.64E-08	5.18E-08	1.98E-06	1.03E-06	4.35E-07	5.12E-07	2.01E-07	1.03E-06	4.35E-07
5766	488861.89	3858189.81	3.83E-03	3.92E-03	3.70E-03	1.32E-06	4.00E-06	2.31E-06	2.37E-06	2.15E-06	9.81E-07	9.25E-07	4.42E-08	1.07E-06	2.36E-07	3.22E-07	5.11E-07	9.00E-08	6.10E-08	2.33E-06	1.21E-06	5.12E-07	6.03E-07	2.37E-07	1.21E-06	5.12E-07
5767	488787.29	3858235.69	4.31E-03	4.41E-03	4.16E-03	1.49E-06	4.50E-06	2.60E-06	2.67E-06	2.42E-06	1.10E-06	1.04E-06	4.98E-08	1.20E-06	2.65E-07	3.62E-07	5.75E-07	1.01E-07	6.87E-08	2.62E-06	1.36E-06	5.77E-07	6.78E-07	2.66E-07	1.36E-06	5.77E-07
5768	488712.68	3858281.57	4.88E-03	5.00E-03	4.71E-03	1.69E-06	5.10E-06	2.95E-06	3.02E-06	2.74E-06	1.25E-06	1.18E-06	5.64E-08	1.36E-06	3.01E-07	4.10E-07	6.51E-07	1.15E-07	7.78E-08	2.97E-06	1.54E-06	6.53E-07	7.68E-07	3.02E-07	1.54E-06	6.53E-07

5769	488654.39	3858436.17	7.04E-03	7.21E-03	6.80E-03	2.44E-06	7.36E-06	4.26E-06	4.36E-06	3.96E-06	1.80E-06	1.70E-06	8.14E-08	1.97E-06	4.34E-07	5.92E-07	9.40E-07	1.66E-07	1.12E-07	4.29E-06	2.22E-06	9.43E-07	1.11E-06	4.36E-07	2.22E-06	9.43E-07
5770	488726.3	3858505.26	7.59E-03	7.77E-03	7.33E-03	2.63E-06	7.93E-06	4.59E-06	4.70E-06	4.26E-06	1.95E-06	1.83E-06	8.77E-08	2.12E-06	4.68E-07	6.39E-07	1.01E-06	1.79E-07	1.21E-07	4.63E-06	2.40E-06	1.02E-06	1.20E-06	4.70E-07	2.40E-06	1.02E-06
5771	488880.6	3858599.28	7.77E-03	7.96E-03	7.51E-03	2.69E-06	8.12E-06	4.70E-06	4.82E-06	4.37E-06	1.99E-06	1.88E-06	8.99E-08	2.17E-06	4.79E-07	6.54E-07	1.04E-06	1.83E-07	1.24E-07	4.74E-06	2.45E-06	1.04E-06	1.22E-06	4.81E-07	2.45E-06	1.04E-06
5772	489008.06	3858714.75	8.84E-03	9.06E-03	8.55E-03	3.06E-06	9.24E-06	5.35E-06	5.48E-06	4.97E-06	2.27E-06	2.14E-06	1.02E-07	2.47E-06	5.45E-07	7.44E-07	1.18E-06	2.08E-07	1.41E-07	5.39E-06	2.79E-06	1.18E-06	1.39E-06	5.47E-07	2.79E-06	1.18E-06
5773	489071.48	3858772.72	9.51E-03	9.74E-03	9.19E-03	3.29E-06	9.94E-06	5.75E-06	5.89E-06	5.34E-06	2.44E-06	2.30E-06	1.10E-07	2.65E-06	5.86E-07	8.00E-07	1.27E-06	2.24E-07	1.52E-07	5.79E-06	3.00E-06	1.27E-06	1.50E-06	5.88E-07	3.00E-06	1.27E-06
5774	489244.59	3858920.19	1.15E-02	1.18E-02	1.11E-02	3.98E-06	1.20E-05	6.96E-06	7.13E-06	6.46E-06	2.95E-06	2.78E-06	1.33E-07	3.21E-06	7.09E-07	9.68E-07	1.54E-06	2.71E-07	1.84E-07	7.01E-06	3.63E-06	1.54E-06	1.81E-06	7.12E-07	3.63E-06	1.54E-06
5775	489239.69	3858952.23	1.34E-02	1.37E-02	1.29E-02	4.64E-06	1.40E-05	8.11E-06	8.30E-06	7.53E-06	3.43E-06	3.24E-06	1.55E-07	3.74E-06	8.26E-07	1.13E-06	1.79E-06	3.15E-07	2.14E-07	8.17E-06	4.23E-06	1.79E-06	2.11E-06	8.29E-07	4.23E-06	1.79E-06
5776	489121.67	3858854.49	1.16E-02	1.19E-02	1.12E-02	4.02E-06	1.21E-05	7.02E-06	7.19E-06	6.52E-06	2.97E-06	2.80E-06	1.34E-07	3.24E-06	7.15E-07	9.76E-07	1.55E-06	2.73E-07	1.85E-07	7.07E-06	3.66E-06	1.55E-06	1.83E-06	7.18E-07	3.66E-06	1.55E-06
5777	489059.59	3858797.27	1.06E-02	1.09E-02	1.02E-02	3.67E-06	1.11E-05	6.42E-06	6.57E-06	5.96E-06	2.72E-06	2.56E-06	1.23E-07	2.96E-06	6.54E-07	8.92E-07	1.42E-06	2.50E-07	1.69E-07	6.46E-06	3.35E-06	1.42E-06	1.67E-06	6.56E-07	3.35E-06	1.42E-06
5778	488997.52	3858740.04	9.76E-03	1.00E-02	9.43E-03	3.38E-06	1.02E-05	5.91E-06	6.05E-06	5.48E-06	2.50E-06	2.36E-06	1.13E-07	2.73E-06	6.01E-07	8.21E-07	1.30E-06	2.30E-07	1.56E-07	5.95E-06	3.08E-06	1.31E-06	1.54E-06	6.04E-07	3.08E-06	1.31E-06
5779	488935.44	3858682.82	9.06E-03	9.28E-03	8.76E-03	3.14E-06	9.47E-06	5.48E-06	5.62E-06	5.09E-06	2.32E-06	2.19E-06	1.05E-07	2.53E-06	5.59E-07	7.63E-07	1.21E-06	2.13E-07	1.45E-07	5.52E-06	2.86E-06	1.21E-06	1.43E-06	5.61E-07	2.86E-06	1.21E-06
5780	488869.17	3858848.43	2.54E-02	2.60E-02	2.45E-02	8.79E-06	2.65E-05	1.54E-05	1.57E-05	1.43E-05	6.51E-06	6.14E-06	2.94E-07	7.09E-06	1.56E-06	2.14E-06	3.39E-06	5.97E-07	4.05E-07	1.55E-05	8.02E-06	3.40E-06	4.00E-06	1.57E-06	8.02E-06	3.40E-06
5781	488932.48	3858892.69	2.76E-02	2.83E-02	2.67E-02	9.57E-06	2.89E-05	1.67E-05	1.71E-05	1.55E-05	7.08E-06	6.68E-06	3.19E-07	7.72E-06	1.70E-06	2.33E-06	3.69E-06	6.50E-07	4.41E-07	1.68E-05	8.72E-06	3.70E-06	4.35E-06	1.71E-06	8.72E-06	3.70E-06
5782	489063.27	3858977.17	3.13E-02	3.20E-02	3.02E-02	1.08E-05	3.27E-05	1.89E-05	1.94E-05	1.76E-05	8.01E-06	7.56E-06	3.61E-07	8.73E-06	1.93E-06	2.63E-06	4.17E-06	7.35E-07	4.98E-07	1.90E-05	9.86E-06	4.18E-06	4.92E-06	1.93E-06	9.86E-06	4.18E-06
5783	489248.2	3859117.15	4.97E-02	5.09E-02	4.80E-02	1.72E-05	5.19E-05	3.01E-05	3.08E-05	2.79E-05	1.27E-05	1.20E-05	5.74E-07	1.39E-05	3.06E-06	4.18E-06	6.63E-06	1.17E-06	7.92E-07	3.03E-05	1.57E-05	6.65E-06	7.83E-06	3.07E-06	1.57E-05	6.65E-06
5784	489296.25	3859049.22	1.95E-02	2.00E-02	1.88E-02	6.75E-06	2.04E-05	1.18E-05	1.21E-05	1.10E-05	5.00E-06	4.72E-06	2.25E-07	5.44E-06	1.20E-06	1.64E-06	2.60E-06	4.59E-07	3.11E-07	1.19E-05	6.15E-06	2.61E-06	3.07E-06	1.21E-06	6.15E-06	2.61E-06
5785	489353.38	3858993.96	1.22E-02	1.25E-02	1.18E-02	4.23E-06	1.28E-05	7.39E-06	7.57E-06	6.86E-06	3.13E-06	2.95E-06	1.41E-07	3.41E-06	7.53E-07	1.03E-06	1.63E-06	2.87E-07	1.95E-07	7.45E-06	3.86E-06	1.64E-06	1.92E-06	7.56E-07	3.86E-06	1.64E-06
5786	489537.24	3859120.22	1.37E-02	1.40E-02	1.32E-02	4.73E-06	1.43E-05	8.26E-06	8.46E-06	7.67E-06	3.50E-06	3.30E-06	1.58E-07	3.81E-06	8.42E-07	1.15E-06	1.82E-06	3.21E-07	2.18E-07	8.33E-06	4.31E-06	1.83E-06	2.15E-06	8.45E-07	4.31E-06	1.83E-06
5787	489726.98	3859246.04	1.53E-02	1.57E-02	1.48E-02	5.29E-06	1.60E-05	9.25E-06	9.48E-06	8.59E-06	3.92E-06	3.70E-06	1.77E-07	4.27E-06	9.42E-07	1.29E-06	2.04E-06	3.60E-07	2.44E-07	9.32E-06	4.83E-06	2.05E-06	2.41E-06	9.47E-07	4.83E-06	2.05E-06
5788	489911.46	3859366.33	1.69E-02	1.73E-02	1.64E-02	5.86E-06	1.77E-05	1.02E-05	1.05E-05	9.52E-06	4.34E-06	4.10E-06	1.96E-07	4.73E-06	1.04E-06	1.43E-06	2.26E-06	3.98E-07	2.70E-07	1.03E-05	5.35E-06	2.27E-06	2.67E-06	1.05E-06	5.35E-06	2.27E-06
5789	490035.3	3859430.26	1.68E-02	1.72E-02	1.63E-02	5.82E-06	1.76E-05	1.02E-05	1.04E-05	9.45E-06	4.31E-06	4.07E-06	1.94E-07	4.70E-06	1.04E-06	1.42E-06	2.25E-06	3.96E-07	2.68E-07	1.03E-05	5.31E-06	2.25E-06	2.65E-06	1.04E-06	5.31E-06	2.25E-06
5790	490101.11	3859458.61	1.63E-02	1.67E-02	1.57E-02	5.64E-06	1.70E-05	9.86E-06	1.01E-05	9.15E-06	4.18E-06	3.94E-06	1.88E-07	4.55E-06	1.00E-06	1.37E-06	2.17E-06	3.83E-07	2.60E-07	9.93E-06	5.14E-06	2.18E-06	2.57E-06	1.01E-06	5.14E-06	2.18E-06
5791	490312.68	3859560.3	1.76E-02	1.80E-02	1.70E-02	6.10E-06	1.84E-05	1.07E-05	1.09E-05	9.90E-06	4.52E-06	4.26E-06	2.04E-07	4.92E-06	1.09E-06	1.48E-06	2.35E-06	4.14E-07	2.81E-07	1.07E-05	5.56E-06	2.36E-06	2.78E-06	1.09E-06	5.56E-06	2.36E-06
5792	490401.63	3859603.12	1.87E-02	1.92E-02	1.81E-02	6.48E-06	1.96E-05	1.13E-05	1.16E-05	1.05E-05	4.80E-06	4.53E-06	2.16E-07	5.23E-06	1.15E-06	1.58E-06	2.50E-06	4.40E-07	2.99E-07	1.14E-05	5.91E-06	2.51E-06	2.95E-06	1.16E-06	5.91E-06	2.51E-06
5793	490490.57	3859645.94	1.99E-02	2.03E-02	1.92E-02	6.88E-06	2.08E-05	1.20E-05	1.23E-05	1.12E-05	5.09E-06	4.80E-06	2.30E-07	5.55E-06	1.22E-06	1.67E-06	2.65E-06	4.67E-07	3.17E-07	1.21E-05	6.27E-06	2.66E-06	3.13E-06	1.23E-06	6.27E-06	2.66E-06
5794	490579.51	3859688.76	2.10E-02	2.15E-02	2.02E-02	7.25E-06	2.19E-05	1.27E-05	1.30E-05	1.18E-05	5.37E-06	5.07E-06	2.42E-07	5.85E-06	1.29E-06	1.76E-06	2.80E-06	4.93E-07	3.34E-07	1.28E-05	6.61E-06	2.81E-06	3.30E-06	1.30E-06	6.61E-06	2.81E-06
5795	490668.45	3859731.58	2.16E-02	2.21E-02	2.08E-02	7.46E-06	2.25E-05	1.30E-05	1.34E-05	1.21E-05	5.52E-06	5.21E-06	2.49E-07	6.02E-06	1.33E-06	1.81E-06	2.88E-06	5.07E-07	3.44E-07	1.31E-05	6.80E-06	2.89E-06	3.40E-06	1.33E-06	6.80E-06	2.89E-06
5796	490757.4	3859774.4	2.34E-02	2.40E-02	2.26E-02	8.10E-06	2.45E-05	1.42E-05	1.45E-05	1.31E-05	6.00E-06	5.66E-06	2.71E-07	6.54E-06	1.44E-06	1.97E-06	3.12E-06	5.51E-07	3.73E-07	1.43E-05	7.39E-06	3.13E-06	3.69E-06	1.45E-06	7.39E-06	3.13E-06
5797	491003.53	3859861.82	2.03E-02	2.08E-02	1.96E-02	7.04E-06	2.12E-05	1.23E-05	1.26E-05	1.14E-05	5.21E-06	4.91E-06	2.35E-07	5.68E-06	1.25E-06	1.71E-06	2.71E-06	4.78E-07	3.24E-07	1.24E-05	6.42E-06	2.72E-06	3.20E-06	1.26E-06	6.42E-06	2.72E-06
5798	491081.41	3859879.05	1.80E-02	1.84E-02	1.74E-02	6.23E-06	1.88E-05	1.09E-05	1.11E-05	1.01E-05	4.61E-06	4.35E-06	2.08E-07	5.02E-06	1.11E-06	1.51E-06	2.40E-06	4.23E-07	2.87E-07	1.10E-05	5.68E-06	2.41E-06	2.83E-06	1.11E-06	5.68E-06	2.41E-06
5799	491229.76	3859917.82	1.46E-02	1.49E-02	1.41E-02	5.04E-06	1.52E-05	8.81E-06	9.02E-06	8.18E-06	3.73E-06	3.52E-06	1.68E-07	4.06E-06	8.97E-07	1.22E-06	1.94E-06	3.42E-07	2.32E-07	8.87E-06	4.59E-06	1.95E-06	2.29E-06	9.01E-07	4.59E-06	1.95E-06
5800	491300.22	3859939.35	1.32E-02	1.36E-02	1.28E-02	4.58E-06	1.38E-05	8.00E-06	8.20E-06	7.43E-06	3.39E-06	3.20E-06	1.53E-07	3.69E-06	8.15E-07	1.11E-06	1.77E-06	3.11E-07	2.11E-07	8.06E-06	4.18E-06	1.77E-06	2.08E-06	8.19E-07	4.18E-06	1.77E-06
5801	491350.48	3860012.03	1.58E-02	1.62E-02	1.53E-02	5.47E-06	1.65E-05	9.57E-06	9.80E-06	8.88E-06	4.05E-06	3.82E-06	1.83E-07	4.41E-06	9.74E-07	1.33E-06	2.11E-06	3.72E-07	2.52E-07	9.64E-06	4.99E-06	2.12E-06	2.49E-06	9.78E-07	4.99E-06	2.12E-06
5802	491406.82	3860092.56	1.84E-02	1.88E-02	1.78E-02	6.37E-06	1.92E-05	1.11E-05	1.14E-05	1.03E-05	4.72E-06	4.45E-06	2.13E-07	5.14E-06	1.13E-06	1.55E-06	2.46E-06	4.33E-07	2.93E-07	1.12E-05	5.81E-06	2.46E-06	2.90E-06	1.14E-06	5.81E-06	2.46E-06
5803	491483.36	3860121.96	1.56E-02	1.60E-02	1.51E-02	5.41E-06	1.63E-05	9.46E-06	9.69E-06	8.79E-06	4.01E-06	3.78E-06	1.81E-07	4.37E-06	9.64E-07	1.32E-06	2.09E-06	3.68E-07	2.49E-07	9.53E-06	4.94E-06	2.09E-06	2.46E-06	9.68E-07	4.94E-06	2.09E-06
5804	491559.91	3860151.35	1.36E-02	1.40E-02	1.32E-02	4.72E-06	1.42E-05	8.25E-06	8.44E-06	7.66E-06	3.49E-06	3.29E-06	1.58E-07	3.80E-06	8.40E-07	1.15E-06	1.82E-06	3.21E-07	2.17E-07	8.31E-06	4.30E-06	1.82E-06	2.15E-06	8.43E-07	4.30E-06	1.82E-06
5805	491711.81	3860237.76	9.86E-03	1.01E-02	9.53E-03	3.41E-06	1.03E-05	5.97E-06	6.11E-06	5.54E-06	2.53E-06	2.39E-06	1.14E-07	2.75E-06	6.08E-07	8.30E-07	1.32E-06	2.32E-07	1.57E-07	6.01E-06	3.11E-06	1.32E-06	1.55E-06	6.11E-07	3.11E-06	1.32E-06
5806	491755.2	3860319.07	1.41E-02	1.45E-02	1.37E-02	4.89E-06	1.48E-05	8.55E-06	8.76E-06	7.94E-06	3.62E-06	3.42E-06	1.63E-07	3.95E-06	8.71E-07	1.19E-06	1.89E-06	3.33E-07	2.25E-07	8.62E-06	4.46E-06	1.89E-06	2.23E-06	8.75E-07	4.46E-06	1.89E-06
5807	491704.71	3860366.54	2.27E-02	2.33E-02	2.19E-02	7.86E-06	2.37E-05	1.37E-05	1.41E-05	1.28E-05	5.82E-06	5.49E-06	2.63E-07	6.34E-06	1.40E-06	1.91E-06	3.03E-06	5.34E-07	3.62E-07	1.38E-05	7.17E-06	3.04E-06	3.58E-06	1.41E-06	7.17E-06	3.04E-06
5808	491623.42	3860462.39	2.51E-02	2.57E-02	2.43E-02	8.69E-06	2.63E-05	1.52E-05	1.56E-05	1.41E-05	6.44E-06	6.07E-06	2.90E-07	7.01E-06	1.55E-06	2.11E-06	3.35E-06	5.91E-07	4.01E-07	1.53E-05	7.93E-06	3.36E-06	3.96E-06	1.55E-06	7.93E-06	3.36E-06
5809	491534.02	3860439.84	1.04E-02	1.06E-02	1.00E-02	3.59E-06	1.08E-05	6.27E-06	6.42E-06	5.82E-06	2.66E-06	2.50E-06	1.20E-07	2.89E-06	6.38E-07	8.72E-07	1.38E-06	2.44E-07	1.65E-07	6.31E-06	3.27E-06	1.39E-06	1.63E-06	6.41E-07	3.27E-06	1.39E-06
5810	491313.95	3860268.17	1.28E-02	1.32E-02	1.24E-02	4.44E-06	1.34E-05	7.77E-06	7.96E-06	7.21E-06	3.29E-06	3.10E-06	1.48E-07	3.59E-06	7.91E-07	1.08E-06	1.71E-06	3.02E-07	2.05E-07	7.83E-06	4.05E-06	1.72E-06	2.02E-06	7.95E-07	4.05E-06	1.72E-06
5811	491187.12	3860143.56	1.83E-02	1.87E-02	1.77E-02	6.32E-06	1.91E-05	1.11E-05	1.13E-05	1.03E-05	4.68E-06	4.42E-06	2.11E-07	5.10E-06	1.13E-06	1.54E-06	2.44E-06	4.30E-07	2.91E-07	1.11E-05	5.77E-06	2.45E-06	2.88E-06	1.13E-06	5.77E-06	2.45E-06
5812	491070.43	3860075.97	1.61E-02	1.65E-02	1.55E-02	5.57E-06	1.68E-05	9.74E-06	9.97E-06	9.04E-06	4.13E-06	3.89E-06	1.86E-07	4.49E-06	9.92E-07	1.35E-06	2.15E-06	3.79E-07	2.57E-07	9.81E-06	5.08E-06	2.16E-06	2.54E-06	9.96E-07	5.08E-06	2.16E-06
5813	490995.09	3860039.38	1.49E-02	1.52E-02	1.44E-02	5.14E-06	1.55E-05	8.99E-06	9.21E-06	8.35E-06	3.81E-06	3.59E-06	1.72E-07	4.15E-06	9.16E-07	1.25E-06	1.98E-06	3.50E-07	2.37E-07	9.06E-06	4.69E-06	1.99E-06	2.34E-06	9.20E-07	4.69E-06	1.99E-06
5814	490919.75	3860002.8	1.52E-02	1.56E-02	1.47E-02	5.27E-06	1.59E-05	9.21E-06	9.43E-06	8.55E-06	3.90E-06	3.68E-06	1.76E-07	4.25E-06	9.37E-07	1.28E-06	2.03E-06	3.58E-07	2.43E-07	9.27E-06	4.80E-06	2.04E-06	2.40E-06	9.42E-07	4.80E-06	2.04E-06
5815	490756.81	3859894.53	3.60E-02	3.69E-02	3.48E-02	1.25E-05	3.77E-05	2.18E-05	2.23E-05	2.02E-05	9.23E-06	8.71E-06	4.16E-07	1.01E-05	2.22E-06	3.03E-06	4.81E-06	8.47E-07	5.75E-07	2.20E-05	1.14E-05	4.82E-06	5.67E-06	2.23E-06	1.14E-05	4.82E-06
5816	490668.07	3859860.92	3.38E-02	3.46E-02	3.26E-02	1.17E-05	3.53E-05	2.04E-05	2.09E-05	1.90E-05	8.66E-06	8.17E-06	3.90E-07	9.43E-06	2.08E-06	2.84E-06	4.51E-06	7.95E-07	5.39E-07	2.06E-05	1.07E-05	4.52E-06	5.32E-06	2.09E-06	1.07E-05	4.52E-06
5817	490579.34	3859827.3	3.28E-02	3.36E-02	3.17E-02	1.13E-05	3.42E-05	1.98E-05	2.03E-05	1.84E-05	8.40E-06	7.92E-06	3.79E-07	9.15E-06	2.02E-06	2.76E-06	4.37E-06	7.71E-07	5.23E-07	2.00E-05	1.03E-05	4.39E-06	5.16E-06	2.03E-06	1.03E-05	4.39E-06
5818	490490.6	3859793.68	3.03E-02	3.11E-02	2.93E-02	1.05E-05	3.17E-05	1.84E-05	1.88E-05	1.70E-05	7.78E-06	7.33E-06	3.51E-07	8.47E-06	1.87E-06	2.55E-06	4.05E-06	7.14E-07	4.84E-07	1.85E-05	9.57E-06	4.06E-06	4.78E-06	1.88E-06	9.57E-06	4.06E-06
5819	490401.86	3859760.07	2.86E-02	2.93E-02	2.76E-02	9.89E-06	2.99E-05	1.73E-05	1.77E-05	1.61E-05	7.33E-06	6.91E-06	3.30E-07	7.98E-06	1.76E-06	2.40E-06	3.81E-06	6.72E-07	4.56E-07	1.74E-05	9.02E-06	3.83E-06	4.50E-06	1.77E-06	9.02E-06	3.83E-06
5820	490313.12	3859726.45	2.78E-02	2.85E-02	2.69E-02	9.63E-06	2.91E-05	1.68E-05	1.72E-05	1.56E-05	7.13E-06	6.73E-06	3.22E-07	7.77E-06	1.71E-06	2.34E-06	3.71E-06	6.54E-07	4.44E-07	1.70E-05	8.78E-06	3.72E-06	4.38E-06	1.72E-06	8.78E-06	3.72E-06
5821	490224.39	3859692.83	2.72E-02	2.78E-02	2.63E-02	9.41E-06	2.84E-05	1.64E-05	1.68E-05	1.53E-05	6.97E-06	6.57E-06	3.14E-07	7.59E-06	1.67E-06	2.29E-06	3.63E-06	6.39E-07	4.34E-07	1.66E-05	8.58E-06	3.64E-06	4.28E-06	1.68E-06	8.58E-06	3.64E-06
5822	490135.65	3859659.22	2.66E-02	2.73E-02	2.57E-02	9.22E-06	2.78E-05	1.61E-05	1.65E-05	1.50E-05	6.83E-06	6.44E-06	3.08E-07	7.44E-06	1.64E-06	2.24E-06	3.56E-06	6.27E-07	4.25E-07	1.62E-05	8.41E-06	3.57E-06	4.20E-06	1.65E-06	8.41E-06	3.57E-06
5823	489918.18	3859559.23	2.81E-02	2.87E-02	2.71E-02	9.71E-06	2.93E-05	1.70E-05	1.74E-05	1.58E-05	7.19E-06	6.78E-06	3.24E-07	7.83E-06	1.73E-06	2.36E-06	3.75E-06	6.60E-07	4.47E-07	1.71E-05	8.86E-06	3.76E-06	4.42E-06	1.74E-06	8.86E-06	3.76E-06
5824	489743.61	3859486	1.86E-02	1.90E-02	1.79E-02	6.43E-06	1.94E-05	1.12E-05	1.15E-05	1.04E-05	4.76E-06	4.49E-06	2.15E-07	5.18E-06	1.14E-06	1.56E-06	2.48E-06	4.37E-07	2.96E-07	1.13E-05	5.86E-06	2.49E-06	2.92E-06	1.15E-06	5.86E-06	2.49E-06
5825	489660.32	3859440.27	1.85E-02	1.90E-02	1.79E-02	6.42E-06	1.94E-05	1.12E-05	1.15E-05	1.04E-05	4.75E-06	4.48E-06	2.14E-07	5.18E-06	1.14E-06	1.56E-06	2.48E-06	4.36E-07	2.96E-07	1.13E-05	5.85E-06	2.48E-06	2.92E-06	1.15E-06	5.85E-06	2.48E-06
5826	489577.04	3859394.53	1.85E-02	1.90E-02	1.79E-02	6.42E-06	1.94E-05	1.12E-05	1.15E-05	1.04E-05	4.75E-06	4.48E-06	2.14E-07	5.18E-06	1.14E-06	1.56E-06	2.48E-06	4.36E-07	2.96E-07	1.13E-05	5.85E-06	2.48E-06	2.92E-06	1.15E-06	5.85E-06	2.48E-06
5827	489493.75	3859348.8	1.84E-02	1.89E-02	1.78E-02	6.39E-06	1.93E-05	1.12E-05	1.14E-05	1.04E-05	4.73E-06	4.46E-06	2.13E-07	5.15E-06	1.14E-06	1.55E-06	2.46E-06	4.34E-07	2.94E-07	1.12E-05	5.82E-06	2.47E-06	2.91E-06	1.14E-06	5.82E-06	2.47E-06
5828	489321.28	3859240.02	2.33E-02	2.39E-02	2.25E-02	8.07E-06	2.44E-05	1.41E-05	1.44E-05	1.31E-05	5.97E-06	5.64E-06	2.69E-07	6.51E-06	1.44E-06	1.96E-06	3.11E-06	5.48E-07	3.72E-07	1.42E-05	7.36E-06	3.12E-06	3.67E-06	1.44E-06	7.36E-06	3.12E-06
5829	489235.41	3859193.96	2.30E-02	2.36E-02	2.23E-02	7.98E-06	2.41E-05	1.39E-05	1.43E-05	1.29E-05	5.91E-06	5.57E-06	2.66E-07	6.43E-06	1.42E-06	1.94E-06	3.08E-06	5.42E-07	3.67E-07	1.40E-05	7.27E-06	3.09E-06	3.63E-06	1.43E-06	7.27E-06	3.09E-06
5830	489149.54	3859147.89	2.19E-02	2.24E-02	2.12E-02	7.59E-06	2.29E-05	1.33E-05	1.36E-05	1.23E-05	5.62E-06	5.30E-06	2.53E-07	6.12E-06	1.35E-06	1.84E-06	2.93E-06	5.16E-07	3.50E-07	1.34E-05	6.92E-06	2.93E-06	3.45E-06	1.36E-06	6.92E-06	2.93E-06
5831	489063.68	3859101.82	2.18E-02	2.23E-02	2.11E-02	7.55E-06	2.28E-05	1.32E-05	1.35E-05	1.22E-05	5.59E-06	5.27E-06	2.52E-07	6.09E-06	1.34E-06	1.83E-06	2.91E-06	5.13E-07	3.48E-07	1.33E-05	6.88E-06	2.92E-06	3.43E-06	1.35E-06	6.88E-06	2.92E-06
5832	488977.81	3859055.75	2.16E-02	2.21E-02	2.09E-02	7.49E-06	2.26E-05	1.31E-05	1.34E-05	1.21E-05	5.54E-06	5.23E-06	2.50E-07	6.04E-06	1.33E-06	1.82E-06	2.89E-06	5.09E-07	3.45E-07	1.32E-05	6.83E-06	2.90E-06	3.41E-06	1.34E-06	6.83E-06	2.90E-06
5833	488891.94	3859009.69	2.09E-02	2.14E-02	2.02E-02	7.23E-06	2.18E-05	1.26E-05	1.29E-05	1.17E-05	5.35E-06	5.05E-06	2.41E-07	5.83E-06	1.29E-06	1.76E-06	2.79E-06	4.91E-07	3.33E-07	1.27E-05	6.59E-06	2.80E-06	3.29E-06	1.29E-06	6.59E-06	2.80E-06
5834	488808	3859060.73	7.28E-03	7.46E-03	7.04E-03	2.52E-06	7.61E-06	4.41E-06	4.51E-06	4.09E-06	1.87E-06	1.76E-06	8.42E-08	2.03E-06	4.49E-07	6.13E-07	9.72E-07	1.71E-07	1.16E-07	4.44E-06	2.30E-06	9.75E-07	1.15E-06	4.51E-07	2.30E-06	9.75E-07
5835	488809.93	3859157.85	4.38E-03	4.49E-03	4.23E-03	1.52E-06	4.58E-06	2.65E-06	2.71E-06	2.46E-06	1.12E-06	1.06E-06	5.06E-08	1.22E-06	2.70E-07	3.69E-07	5.85E-07	1.03E-07	6.99E-08	2.67E-06	1.38E-06	5.87E-07	6.90E-07	2.71E-07	1.38E-06	5.87E-07
5836	488811.85	3859254.96	3.16E-03	3.24E-03	3.06E-03	1.09E-06	3.31E-06	1.91E-06	1.96E-06	1.78E-06	8.11E-07	7.65E-07	3.66E-08	8.83E-07	1.95E-07	2.66E-07	4.22E-07	7.44E-08	5.04E-08	1.93E-06	9.98E-07	4.24E-07	4.98E-07	1.96E-07	9.98E-07	4.24E-07
5837	488813.78	3859352.07	2.50E-03	2.56E-03	2.41E-03	8.64E-07	2.61E-06	1.51E-06	1.55E-06	1.40E-06	6.40E-07	6.04E-07	2.89E-08	6.97E-07	1.54E-07	2.10E-07	3.33E-07	5.87E-08	3.98E-08	1.52E-06	7.88E-07	3.34E-07	3.93E-07	1.55E-07	7.88E-07	3.34E-07
5838	488815.71	3859449.19	2.08E-03	2.13E-03	2.01E-03	7.20E-07	2.18E-06	1.26E-06	1.29E-06	1.17E-06	5.33E-07	5.03E-07	2.41E-08	5.81E-07	1.28E-07	1.75E-07	2.78E-07	4.90E-08	3.32E-08	1.27E-06	6.57E-07	2.79E-07	3.28E-07	1.29E-07	6.57E-07	2.79E-07
5839	488910.04	3859547.1	1.92E-03	1.97E-03	1.86E-03	6.66E-07	2.01E-06	1.16E-06	1.19E-06	1.08E-06	4.93E-07	4.65E-07	2.22E-08	5.37E-07	1.19E-07	1.62E-07	2.57E-07	4.53E-08	3.07E-08	1.17E-06	6.07E-07	2.58E-07	3.03E-07	1.19E-07	6.07E-07	2.58E-07
5840	489002.45	3859547.91	2.09E-03	2.14E-03	2.02E-03	7.23E-07	2.18E-06	1.26E-06	1.29E-06	1.17E-06	5.35E-07	5.05E-07	2.41E-08	5.83E-07	1.29E-07	1.76E-07	2.79E-07	4.91E-08	3.33E-08	1.27E-06	6.59E-07	2.80E-07	3.29E-07	1.29E-07	6.59E-07	2.80E-07
5841	489094.85	3859548.71	2.29E-03	2.35E-03	2.21E-03	7.93E-07	2.39E-06	1.39E-06	1.42E-06	1.29E-06	5.87E-07	5.54E-07	2.65E-08	6.40E-07	1.41E-07	1.93E-07	3.06E-07	5.39E-08	3.65E-08	1.40E-06	7.23E-07	3.07E-07	3.61E-07	1.42E-07	7.23E-07	3.07E-07
5842	489230.05	3859601.87	2.38E-03	2.44E-03	2.30E-03	8.25E-07	2.49E-06	1.44E-06	1.48E-06	1.34E-06	6.11E-07	5.76E-07	2.75E-08	6.65E-07	1.47E-07	2.00E-07	3.18E-07	5.60E-08	3.80E-08	1.45E-06	7.52E-07	3.19E-07	3.75E-07	1.47E-07	7.52E-07	3.19E-07
5843	489227.52	3859680.89	2.05E-03	2.10E-03	1.98E-03	7.09E-07	2.14E-06	1.24E-06	1.27E-06	1.15E-06	5.25E-07	4.95E-07	2.37E-08	5.72E-07	1.26E-07	1.72E-07	2.73E-07	4.82E-08	3.27E-08	1.25E-06	6.47E-07	2.74E-07	3.23E-07	1.27E-07	6.47E-07	2.74E-07
5844	489133.47	3859760.29	1.69E-03	1.73E-03	1.63E-03	5.83E-07	1.76E-06	1.02E-06	1.04E-06	9.47E-07	4.32E-07	4.08E-07	1.95E-08	4.71E-07	1.04E-07	1.42E-07	2.25E-07	3.96E-08	2.69E-08	1.03E-06	5.32E-07	2.26E-07	2.66E-07	1.04E-07	5.32E-07	2.26E-07
5845	489041.96	3859760.67	1.58E-03	1.62E-03	1.53E-03	5.48E-07	1.65E-06	9.57E-07	9.80E-07	8.89E-07	4.06E-07	3.83E-07	1.83E-08	4.42E-07	9.75E-08	1.33E-07	2.11E-07	3.72E-08	2.52E-08	9.64E-07	4.99E-07	2.12E-07	2.49E-07	9.79E-08	4.99E-07	2.12E-07

5846	488950.45	3859761.05	1.49E-03	1.53E-03	1.44E-03	5.16E-07	1.56E-06	9.02E-07	9.24E-07	8.37E-07	3.82E-07	3.60E-07	1.72E-08	4.16E-07	9.18E-08	1.25E-07	1.99E-07	3.51E-08	2.38E-08	9.09E-07	4.70E-07	2.00E-07	2.35E-07	9.23E-08	4.70E-07	2.00E-07
5847	488858.94	3859761.43	1.41E-03	1.45E-03	1.36E-03	4.89E-07	1.48E-06	8.55E-07	8.75E-07	7.93E-07	3.62E-07	3.42E-07	1.63E-08	3.94E-07	8.70E-08	1.19E-07	1.89E-07	3.32E-08	2.25E-08	8.61E-07	4.46E-07	1.89E-07	2.23E-07	8.74E-08	4.46E-07	1.89E-07
5848	488767.43	3859761.82	1.34E-03	1.37E-03	1.29E-03	4.63E-07	1.40E-06	8.10E-07	8.30E-07	7.52E-07	3.43E-07	3.24E-07	1.55E-08	3.74E-07	8.25E-08	1.13E-07	1.79E-07	3.15E-08	2.13E-08	8.16E-07	4.22E-07	1.79E-07	2.11E-07	8.28E-08	4.22E-07	1.79E-07
5849	488675.92	3859762.2	1.28E-03	1.31E-03	1.23E-03	4.41E-07	1.33E-06	7.72E-07	7.90E-07	7.16E-07	3.27E-07	3.08E-07	1.47E-08	3.56E-07	7.86E-08	1.07E-07	1.70E-07	3.00E-08	2.03E-08	7.77E-07	4.02E-07	1.71E-07	2.01E-07	7.89E-08	4.02E-07	1.71E-07
5850	488584.41	3859762.58	1.22E-03	1.25E-03	1.17E-03	4.21E-07	1.27E-06	7.36E-07	7.54E-07	6.83E-07	3.12E-07	2.94E-07	1.41E-08	3.40E-07	7.49E-08	1.02E-07	1.62E-07	2.86E-08	1.94E-08	7.41E-07	3.84E-07	1.63E-07	1.92E-07	7.53E-08	3.84E-07	1.63E-07
5851	488492.9	3859762.96	1.16E-03	1.19E-03	1.12E-03	4.03E-07	1.22E-06	7.05E-07	7.22E-07	6.54E-07	2.98E-07	2.82E-07	1.35E-08	3.25E-07	7.17E-08	9.80E-08	1.55E-07	2.74E-08	1.86E-08	7.10E-07	3.68E-07	1.56E-07	1.83E-07	7.21E-08	3.68E-07	1.56E-07
5852	488402.76	3859830.95	1.07E-03	1.09E-03	1.03E-03	3.69E-07	1.12E-06	6.46E-07	6.61E-07	5.99E-07	2.74E-07	2.58E-07	1.23E-08	2.98E-07	6.57E-08	8.98E-08	1.42E-07	2.51E-08	1.70E-08	6.50E-07	3.37E-07	1.43E-07	1.68E-07	6.60E-08	3.37E-07	1.43E-07
5853	488404.14	3859898.55	1.02E-03	1.05E-03	9.87E-04	3.54E-07	1.07E-06	6.18E-07	6.33E-07	5.74E-07	2.62E-07	2.47E-07	1.18E-08	2.85E-07	6.29E-08	8.59E-08	1.36E-07	2.40E-08	1.63E-08	6.22E-07	3.22E-07	1.37E-07	1.61E-07	6.32E-08	3.22E-07	1.37E-07
5854	488505.18	3859964.96	1.02E-03	1.04E-03	9.84E-04	3.53E-07	1.06E-06	6.16E-07	6.31E-07	5.72E-07	2.61E-07	2.46E-07	1.18E-08	2.84E-07	6.27E-08	8.57E-08	1.36E-07	2.40E-08	1.62E-08	6.21E-07	3.21E-07	1.36E-07	1.60E-07	6.30E-08	3.21E-07	1.36E-07
5855	488604.84	3859963.76	1.06E-03	1.08E-03	1.02E-03	3.65E-07	1.10E-06	6.38E-07	6.54E-07	5.93E-07	2.70E-07	2.55E-07	1.22E-08	2.95E-07	6.50E-08	8.88E-08	1.41E-07	2.48E-08	1.68E-08	6.43E-07	3.33E-07	1.41E-07	1.66E-07	6.53E-08	3.33E-07	1.41E-07
5856	488704.51	3859962.56	1.10E-03	1.12E-03	1.06E-03	3.80E-07	1.15E-06	6.64E-07	6.80E-07	6.17E-07	2.81E-07	2.65E-07	1.27E-08	3.07E-07	6.77E-08	9.24E-08	1.47E-07	2.58E-08	1.75E-08	6.69E-07	3.47E-07	1.47E-07	1.73E-07	6.80E-08	3.47E-07	1.47E-07
5857	488804.18	3859961.37	1.15E-03	1.17E-03	1.11E-03	3.97E-07	1.20E-06	6.94E-07	7.11E-07	6.44E-07	2.94E-07	2.77E-07	1.33E-08	3.20E-07	7.07E-08	9.65E-08	1.53E-07	2.70E-08	1.83E-08	6.99E-07	3.62E-07	1.54E-07	1.81E-07	7.10E-08	3.62E-07	1.54E-07
5858	488903.85	3859960.17	1.20E-03	1.23E-03	1.16E-03	4.16E-07	1.26E-06	7.27E-07	7.45E-07	6.75E-07	3.08E-07	2.90E-07	1.39E-08	3.35E-07	7.40E-08	1.01E-07	1.60E-07	2.83E-08	1.92E-08	7.32E-07	3.79E-07	1.61E-07	1.89E-07	7.44E-08	3.79E-07	1.61E-07
5859	489003.52	3859958.97	1.26E-03	1.29E-03	1.22E-03	4.36E-07	1.32E-06	7.62E-07	7.80E-07	7.07E-07	3.23E-07	3.04E-07	1.46E-08	3.52E-07	7.76E-08	1.06E-07	1.68E-07	2.96E-08	2.01E-08	7.67E-07	3.97E-07	1.69E-07	1.98E-07	7.79E-08	3.97E-07	1.69E-07
5860	489103.18	3859957.77	1.32E-03	1.36E-03	1.28E-03	4.58E-07	1.38E-06	8.01E-07	8.20E-07	7.44E-07	3.39E-07	3.20E-07	1.53E-08	3.70E-07	8.16E-08	1.11E-07	1.77E-07	3.11E-08	2.11E-08	8.07E-07	4.18E-07	1.77E-07	2.09E-07	8.19E-08	4.18E-07	1.77E-07
5861	489201.48	3860046.59	1.28E-03	1.31E-03	1.24E-03	4.43E-07	1.34E-06	7.74E-07	7.93E-07	7.19E-07	3.28E-07	3.09E-07	1.48E-08	3.57E-07	7.88E-08	1.08E-07	1.71E-07	3.01E-08	2.04E-08	7.80E-07	4.04E-07	1.71E-07	2.02E-07	7.92E-08	4.04E-07	1.71E-07
5862	489200.11	3860136.61	1.19E-03	1.21E-03	1.14E-03	4.10E-07	1.24E-06	7.17E-07	7.34E-07	6.66E-07	3.04E-07	2.87E-07	1.37E-08	3.31E-07	7.30E-08	9.97E-08	1.58E-07	2.79E-08	1.89E-08	7.22E-07	3.74E-07	1.59E-07	1.87E-07	7.33E-08	3.74E-07	1.59E-07
5863	489198.74	3860226.63	1.11E-03	1.14E-03	1.07E-03	3.84E-07	1.16E-06	6.72E-07	6.88E-07	6.23E-07	2.84E-07	2.68E-07	1.28E-08	3.10E-07	6.84E-08	9.34E-08	1.48E-07	2.61E-08	1.77E-08	6.76E-07	3.50E-07	1.49E-07	1.75E-07	6.87E-08	3.50E-07	1.49E-07
5864	489197.38	3860316.66	1.04E-03	1.07E-03	1.01E-03	3.62E-07	1.09E-06	6.32E-07	6.48E-07	5.87E-07	2.68E-07	2.53E-07	1.21E-08	2.92E-07	6.44E-08	8.79E-08	1.39E-07	2.46E-08	1.67E-08	6.37E-07	3.30E-07	1.40E-07	1.65E-07	6.47E-08	3.30E-07	1.40E-07
5865	489196.01	3860406.68	9.84E-04	1.01E-03	9.51E-04	3.41E-07	1.03E-06	5.96E-07	6.10E-07	5.53E-07	2.52E-07	2.38E-07	1.14E-08	2.75E-07	6.07E-08	8.28E-08	1.31E-07	2.32E-08	1.57E-08	6.00E-07	3.11E-07	1.32E-07	1.55E-07	6.09E-08	3.11E-07	1.32E-07
5866	489194.64	3860496.7	9.22E-04	9.45E-04	8.91E-04	3.19E-07	9.64E-07	5.58E-07	5.72E-07	5.18E-07	2.36E-07	2.23E-07	1.07E-08	2.58E-07	5.68E-08	7.76E-08	1.23E-07	2.17E-08	1.47E-08	5.62E-07	2.91E-07	1.24E-07	1.45E-07	5.71E-08	2.91E-07	1.24E-07
5867	489193.27	3860586.72	8.65E-04	8.86E-04	8.36E-04	2.99E-07	9.04E-07	5.23E-07	5.36E-07	4.86E-07	2.22E-07	2.09E-07	1.00E-08	2.41E-07	5.33E-08	7.28E-08	1.15E-07	2.03E-08	1.38E-08	5.27E-07	2.73E-07	1.16E-07	1.36E-07	5.35E-08	2.73E-07	1.16E-07
5868	489092.02	3860678.13	7.91E-04	8.10E-04	7.64E-04	2.74E-07	8.27E-07	4.79E-07	4.90E-07	4.44E-07	2.03E-07	1.91E-07	9.14E-09	2.21E-07	4.87E-08	6.66E-08	1.06E-07	1.86E-08	1.26E-08	4.82E-07	2.50E-07	1.06E-07	1.25E-07	4.90E-08	2.50E-07	1.06E-07
5869	488992.13	3860679.53	7.69E-04	7.88E-04	7.43E-04	2.66E-07	8.04E-07	4.65E-07	4.77E-07	4.32E-07	1.97E-07	1.86E-07	8.89E-09	2.15E-07	4.74E-08	6.47E-08	1.03E-07	1.81E-08	1.23E-08	4.69E-07	2.43E-07	1.03E-07	1.21E-07	4.76E-08	2.43E-07	1.03E-07
5870	488892.24	3860680.92	7.51E-04	7.69E-04	7.26E-04	2.60E-07	7.85E-07	4.55E-07	4.66E-07	4.22E-07	1.93E-07	1.82E-07	8.68E-09	2.10E-07	4.63E-08	6.32E-08	1.00E-07	1.77E-08	1.20E-08	4.58E-07	2.37E-07	1.01E-07	1.18E-07	4.65E-08	2.37E-07	1.01E-07
5871	488792.36	3860682.31	7.34E-04	7.51E-04	7.09E-04	2.54E-07	7.67E-07	4.44E-07	4.55E-07	4.12E-07	1.88E-07	1.77E-07	8.48E-09	2.05E-07	4.52E-08	6.17E-08	9.79E-08	1.73E-08	1.17E-08	4.47E-07	2.32E-07	9.82E-08	1.16E-07	4.54E-08	2.32E-07	9.82E-08
5872	488692.48	3860683.7	7.17E-04	7.35E-04	6.93E-04	2.48E-07	7.50E-07	4.34E-07	4.45E-07	4.03E-07	1.84E-07	1.73E-07	8.29E-09	2.00E-07	4.42E-08	6.04E-08	9.57E-08	1.69E-08	1.14E-08	4.37E-07	2.26E-07	9.61E-08	1.13E-07	4.44E-08	2.26E-07	9.61E-08
5873	488592.59	3860685.09	7.01E-04	7.18E-04	6.77E-04	2.43E-07	7.33E-07	4.24E-07	4.34E-07	3.94E-07	1.80E-07	1.70E-07	8.10E-09	1.96E-07	4.32E-08	5.90E-08	9.36E-08	1.65E-08	1.12E-08	4.27E-07	2.21E-07	9.39E-08	1.10E-07	4.34E-08	2.21E-07	9.39E-08
5874	488492.71	3860686.49	6.88E-04	7.04E-04	6.64E-04	2.38E-07	7.19E-07	4.16E-07	4.26E-07	3.86E-07	1.76E-07	1.66E-07	7.95E-09	1.92E-07	4.24E-08	5.79E-08	9.18E-08	1.62E-08	1.10E-08	4.19E-07	2.17E-07	9.21E-08	1.08E-07	4.26E-08	2.17E-07	9.21E-08
5875	488299.07	3860762.18	6.46E-04	6.62E-04	6.25E-04	2.24E-07	6.76E-07	3.91E-07	4.01E-07	3.63E-07	1.66E-07	1.56E-07	7.47E-09	1.80E-07	3.98E-08	5.44E-08	8.63E-08	1.52E-08	1.03E-08	3.94E-07	2.04E-07	8.66E-08	1.02E-07	4.00E-08	2.04E-07	8.66E-08
5876	488205.32	3860764.09	6.35E-04	6.50E-04	6.13E-04	2.20E-07	6.63E-07	3.84E-07	3.93E-07	3.57E-07	1.63E-07	1.53E-07	7.34E-09	1.77E-07	3.91E-08	5.34E-08	8.47E-08	1.49E-08	1.01E-08	3.87E-07	2.00E-07	8.50E-08	1.00E-07	3.93E-08	2.00E-07	8.50E-08
5877	488111.56	3860766	6.21E-04	6.36E-04	6.00E-04	2.15E-07	6.49E-07	3.76E-07	3.85E-07	3.49E-07	1.59E-07	1.50E-07	7.18E-09	1.73E-07	3.83E-08	5.23E-08	8.29E-08	1.46E-08	9.91E-09	3.79E-07	1.96E-07	8.32E-08	9.79E-08	3.85E-08	1.96E-07	8.32E-08
5878	488017.81	3860767.91	6.10E-04	6.24E-04	5.89E-04	2.11E-07	6.37E-07	3.69E-07	3.78E-07	3.42E-07	1.56E-07	1.47E-07	7.05E-09	1.70E-07	3.76E-08	5.13E-08	8.14E-08	1.43E-08	9.72E-09	3.72E-07	1.92E-07	8.16E-08	9.60E-08	3.77E-08	1.92E-07	8.16E-08
5879	487924.06	3860769.81	5.96E-04	6.11E-04	5.76E-04	2.06E-07	6.23E-07	3.61E-07	3.70E-07	3.35E-07	1.53E-07	1.44E-07	6.89E-09	1.66E-07	3.67E-08	5.02E-08	7.96E-08	1.40E-08	9.51E-09	3.63E-07	1.88E-07	7.98E-08	9.39E-08	3.69E-08	1.88E-07	7.98E-08
5880	487830.31	3860771.72	5.86E-04	6.00E-04	5.66E-04	2.03E-07	6.12E-07	3.55E-07	3.63E-07	3.29E-07	1.50E-07	1.42E-07	6.77E-09	1.64E-07	3.61E-08	4.93E-08	7.82E-08	1.38E-08	9.34E-09	3.57E-07	1.85E-07	7.85E-08	9.23E-08	3.63E-08	1.85E-07	7.85E-08
5881	487736.55	3860773.63	5.74E-04	5.88E-04	5.55E-04	1.99E-07	6.00E-07	3.47E-07	3.56E-07	3.23E-07	1.47E-07	1.39E-07	6.64E-09	1.60E-07	3.54E-08	4.83E-08	7.66E-08	1.35E-08	9.16E-09	3.50E-07	1.81E-07	7.69E-08	9.04E-08	3.55E-08	1.81E-07	7.69E-08
5882	487642.8	3860775.54	5.65E-04	5.79E-04	5.46E-04	1.96E-07	5.91E-07	3.42E-07	3.50E-07	3.18E-07	1.45E-07	1.37E-07	6.53E-09	1.58E-07	3.48E-08	4.76E-08	7.55E-08	1.33E-08	9.02E-09	3.45E-07	1.78E-07	7.57E-08	8.90E-08	3.50E-08	1.78E-07	7.57E-08
5883	487549.48	3860684.71	5.74E-04	5.88E-04	5.55E-04	1.99E-07	6.00E-07	3.47E-07	3.56E-07	3.23E-07	1.47E-07	1.39E-07	6.64E-09	1.60E-07	3.54E-08	4.83E-08	7.66E-08	1.35E-08	9.16E-09	3.50E-07	1.81E-07	7.69E-08	9.04E-08	3.55E-08	1.81E-07	7.69E-08
5884	487549.91	3860591.97	5.93E-04	6.08E-04	5.73E-04	2.05E-07	6.20E-07	3.59E-07	3.68E-07	3.33E-07	1.52E-07	1.43E-07	6.86E-09	1.66E-07	3.66E-08	4.99E-08	7.92E-08	1.40E-08	9.46E-09	3.62E-07	1.87E-07	7.94E-08	9.35E-08	3.67E-08	1.87E-07	7.94E-08
5885	487550.34	3860499.23	6.14E-04	6.29E-04	5.93E-04	2.13E-07	6.42E-07	3.71E-07	3.80E-07	3.45E-07	1.57E-07	1.48E-07	7.10E-09	1.71E-07	3.78E-08	5.17E-08	8.20E-08	1.44E-08	9.79E-09	3.74E-07	1.94E-07	8.22E-08	9.67E-08	3.80E-08	1.94E-07	8.22E-08
5886	487550.76	3860406.49	6.39E-04	6.55E-04	6.17E-04	2.21E-07	6.68E-07	3.87E-07	3.96E-07	3.59E-07	1.64E-07	1.55E-07	7.39E-09	1.78E-07	3.94E-08	5.38E-08	8.53E-08	1.50E-08	1.02E-08	3.89E-07	2.02E-07	8.56E-08	1.01E-07	3.96E-08	2.02E-07	8.56E-08
5887	487551.19	3860313.75	6.67E-04	6.83E-04	6.44E-04	2.31E-07	6.97E-07	4.04E-07	4.13E-07	3.75E-07	1.71E-07	1.61E-07	7.71E-09	1.86E-07	4.11E-08	5.61E-08	8.90E-08	1.57E-08	1.06E-08	4.07E-07	2.11E-07	8.93E-08	1.05E-07	4.13E-08	2.11E-07	8.93E-08
5888	487551.62	3860221.01	6.98E-04	7.15E-04	6.74E-04	2.42E-07	7.30E-07	4.22E-07	4.33E-07	3.92E-07	1.79E-07	1.69E-07	8.07E-09	1.95E-07	4.30E-08	5.87E-08	9.32E-08	1.64E-08	1.11E-08	4.25E-07	2.20E-07	9.35E-08	1.10E-07	4.32E-08	2.20E-07	9.35E-08
5889	487552.05	3860128.27	7.34E-04	7.51E-04	7.09E-04	2.54E-07	7.67E-07	4.44E-07	4.55E-07	4.12E-07	1.88E-07	1.77E-07	8.48E-09	2.05E-07	4.52E-08	6.17E-08	9.79E-08	1.73E-08	1.17E-08	4.47E-07	2.32E-07	9.82E-08	1.16E-07	4.54E-08	2.32E-07	9.82E-08
5890	487552.48	3860035.53	7.67E-04	7.86E-04	7.41E-04	2.66E-07	8.02E-07	4.64E-07	4.76E-07	4.31E-07	1.97E-07	1.86E-07	8.87E-09	2.14E-07	4.73E-08	6.46E-08	1.02E-07	1.81E-08	1.22E-08	4.68E-07	2.42E-07	1.03E-07	1.21E-07	4.75E-08	2.42E-07	1.03E-07
5891	487552.91	3859942.79	7.97E-04	8.16E-04	7.70E-04	2.76E-07	8.33E-07	4.82E-07	4.94E-07	4.48E-07	2.04E-07	1.93E-07	9.21E-09	2.23E-07	4.91E-08	6.71E-08	1.06E-07	1.87E-08	1.27E-08	4.86E-07	2.52E-07	1.07E-07	1.26E-07	4.93E-08	2.52E-07	1.07E-07
5892	487553.33	3859850.05	8.29E-04	8.50E-04	8.01E-04	2.87E-07	8.67E-07	5.02E-07	5.14E-07	4.66E-07	2.13E-07	2.01E-07	9.59E-09	2.32E-07	5.11E-08	6.98E-08	1.11E-07	1.95E-08	1.32E-08	5.06E-07	2.62E-07	1.11E-07	1.31E-07	5.13E-08	2.62E-07	1.11E-07
5893	487553.76	3859757.31	8.60E-04	8.81E-04	8.31E-04	2.98E-07	8.99E-07	5.21E-07	5.33E-07	4.83E-07	2.21E-07	2.08E-07	9.95E-09	2.40E-07	5.30E-08	7.24E-08	1.15E-07	2.02E-08	1.37E-08	5.24E-07	2.72E-07	1.15E-07	1.36E-07	5.33E-08	2.72E-07	1.15E-07
5894	487554.19	3859664.57	8.94E-04	9.16E-04	8.64E-04	3.10E-07	9.35E-07	5.41E-07	5.54E-07	5.02E-07	2.29E-07	2.16E-07	1.03E-08	2.50E-07	5.51E-08	7.53E-08	1.19E-07	2.10E-08	1.43E-08	5.45E-07	2.82E-07	1.20E-07	1.41E-07	5.54E-08	2.82E-07	1.20E-07
5895	487460.2	3859571.05	9.12E-04	9.34E-04	8.81E-04	3.16E-07	9.53E-07	5.52E-07	5.65E-07	5.12E-07	2.34E-07	2.21E-07	1.05E-08	2.55E-07	5.62E-08	7.67E-08	1.22E-07	2.15E-08	1.45E-08	5.56E-07	2.88E-07	1.22E-07	1.44E-07	5.64E-08	2.88E-07	1.22E-07
5896	487365.78	3859570.27	8.88E-04	9.10E-04	8.58E-04	3.08E-07	9.29E-07	5.38E-07	5.51E-07	4.99E-07	2.28E-07	2.15E-07	1.03E-08	2.48E-07	5.47E-08	7.48E-08	1.19E-07	2.09E-08	1.42E-08	5.42E-07	2.80E-07	1.19E-07	1.40E-07	5.50E-08	2.80E-07	1.19E-07
5897	487271.36	3859569.48	8.68E-04	8.89E-04	8.38E-04	3.00E-07	9.07E-07	5.25E-07	5.38E-07	4.88E-07	2.22E-07	2.10E-07	1.00E-08	2.42E-07	5.35E-08	7.30E-08	1.16E-07	2.04E-08	1.38E-08	5.29E-07	2.74E-07	1.16E-07	1.37E-07	5.37E-08	2.74E-07	1.16E-07
5898	487176.94	3859568.7	8.47E-04	8.68E-04	8.18E-04	2.93E-07	8.85E-07	5.13E-07	5.25E-07	4.76E-07	2.17E-07	2.05E-07	9.79E-09	2.37E-07	5.22E-08	7.13E-08	1.13E-07	1.99E-08	1.35E-08	5.16E-07	2.67E-07	1.13E-07	1.33E-07	5.24E-08	2.67E-07	1.13E-07
5899	487082.51	3859567.92	8.28E-04	8.48E-04	8.00E-04	2.87E-07	8.65E-07	5.01E-07	5.13E-07	4.65E-07	2.12E-07	2.00E-07	9.57E-09	2.31E-07	5.10E-08	6.97E-08	1.11E-07	1.95E-08	1.32E-08	5.05E-07	2.61E-07	1.11E-07	1.30E-07	5.12E-08	2.61E-07	1.11E-07
5900	486988.09	3859567.14	8.09E-04	8.28E-04	7.81E-04	2.80E-07	8.45E-07	4.89E-07	5.01E-07	4.54E-07	2.07E-07	1.96E-07	9.35E-09	2.26E-07	4.98E-08	6.81E-08	1.08E-07	1.90E-08	1.29E-08	4.93E-07	2.55E-07	1.08E-07	1.27E-07	5.01E-08	2.55E-07	1.08E-07
5901	486893.67	3859566.36	7.91E-04	8.10E-04	7.64E-04	2.74E-07	8.27E-07	4.79E-07	4.90E-07	4.44E-07	2.03E-07	1.91E-07	9.14E-09	2.21E-07	4.87E-08	6.66E-08	1.06E-07	1.86E-08	1.26E-08	4.82E-07	2.50E-07	1.06E-07	1.25E-07	4.90E-08	2.50E-07	1.06E-07
5902	486799.25	3859565.58	7.75E-04	7.94E-04	7.49E-04	2.68E-07	8.10E-07	4.69E-07	4.80E-07	4.35E-07	1.99E-07	1.87E-07	8.96E-09	2.16E-07	4.77E-08	6.52E-08	1.03E-07	1.82E-08	1.24E-08	4.72E-07	2.45E-07	1.04E-07	1.22E-07	4.80E-08	2.45E-07	1.04E-07
5903	486704.83	3859564.79	7.59E-04	7.77E-04	7.33E-04	2.63E-07	7.93E-07	4.59E-07	4.70E-07	4.26E-07	1.94E-07	1.83E-07	8.77E-09	2.12E-07	4.67E-08	6.38E-08	1.01E-07	1.78E-08	1.21E-08	4.62E-07	2.39E-07	1.02E-07	1.20E-07	4.69E-08	2.39E-07	1.02E-07
5904	486610.41	3859564.01	7.44E-04	7.62E-04	7.19E-04	2.57E-07	7.77E-07	4.50E-07	4.61E-07	4.18E-07	1.91E-07	1.80E-07	8.60E-09	2.08E-07	4.58E-08	6.26E-08	9.93E-08	1.75E-08	1.19E-08	4.53E-07	2.35E-07	9.96E-08	1.17E-07	4.60E-08	2.35E-07	9.96E-08
5905	486515.99	3859563.23	7.28E-04	7.45E-04	7.03E-04	2.52E-07	7.60E-07	4.40E-07	4.51E-07	4.09E-07	1.87E-07	1.76E-07	8.41E-09	2.03E-07	4.48E-08	6.12E-08	9.71E-08	1.71E-08	1.16E-08	4.43E-07	2.30E-07	9.74E-08	1.15E-07	4.50E-08	2.30E-07	9.74E-08
5906	486421.57	3859562.45	7.13E-04	7.30E-04	6.89E-04	2.47E-07	7.45E-07	4.31E-07	4.42E-07	4.00E-07	1.83E-07	1.72E-07	8.24E-09	1.99E-07	4.39E-08	6.00E-08	9.52E-08	1.68E-08	1.14E-08	4.34E-07	2.25E-07	9.55E-08	1.12E-07	4.41E-08	2.25E-07	9.55E-08
5907	486327.14	3859561.67	7.01E-04	7.18E-04	6.77E-04	2.43E-07	7.33E-07	4.24E-07	4.34E-07	3.94E-07	1.80E-07	1.70E-07	8.10E-09	1.96E-07	4.32E-08	5.90E-08	9.36E-08	1.65E-08	1.12E-08	4.27E-07	2.21E-07	9.39E-08	1.10E-07	4.34E-08	2.21E-07	9.39E-08
5908	486232.72	3859560.89	6.86E-04	7.03E-04	6.63E-04	2.38E-07	7.17E-07	4.15E-07	4.25E-07	3.86E-07	1.76E-07	1.66E-07	7.93E-09	1.92E-07	4.23E-08	5.77E-08	9.16E-08	1.61E-08	1.09E-08	4.18E-07	2.17E-07	9.19E-08	1.08E-07	4.25E-08	2.17E-07	9.19E-08
5909	486138.3	3859560.1	6.73E-04	6.89E-04	6.50E-04	2.33E-07	7.03E-07	4.07E-07	4.17E-07	3.78E-07	1.73E-07	1.63E-07	7.78E-09	1.88E-07	4.15E-08	5.66E-08	8.98E-08	1.58E-08	1.07E-08	4.10E-07	2.12E-07	9.01E-08	1.06E-07	4.17E-08	2.12E-07	9.01E-08
5910	486043.88	3859559.32	6.60E-04	6.76E-04	6.37E-04	2.28E-07	6.90E-07	3.99E-07	4.09E-07	3.71E-07	1.69E-07	1.60E-07	7.63E-09	1.84E-07	4.06E-08	5.55E-08	8.81E-08	1.55E-08	1.05E-08	4.02E-07	2.08E-07	8.83E-08	1.04E-07	4.08E-08	2.08E-07	8.83E-08
5911	485949.35	3859463.54	6.67E-04	6.83E-04	6.44E-04	2.31E-07	6.97E-07	4.04E-07	4.13E-07	3.75E-07	1.71E-07	1.61E-07	7.71E-09	1.86E-07	4.11E-08	5.61E-08	8.90E-08	1.57E-08	1.06E-08	4.07E-07	2.11E-07	8.93E-08	1.05E-07	4.13E-08	2.11E-07	8.93E-08
5912	485949.24	3859368.55	6.88E-04	7.04E-04	6.64E-04	2.38E-07	7.19E-07	4.16E-07	4.26E-07	3.86E-07	1.76E-07	1.66E-07	7.95E-09	1.92E-07	4.24E-08	5.79E-08	9.18E-08	1.62E-08	1.10E-08	4.19E-07	2.17E-07	9.21E-08	1.08E-07	4.26E-08	2.17E-07	9.21E-08
5913	485949.12	3859273.55	7.10E-04	7.27E-04	6.86E-04	2.46E-07	7.42E-07	4.30E-07	4.40E-07	3.99E-07	1.82E-07	1.72E-07	8.21E-09	1.98E-07	4.37E-08	5.97E-08	9.48E-08	1.67E-08	1.13E-08	4.33E-07	2.24E-07	9.51E-08	1.12E-07	4.39E-08	2.24E-07	9.51E-08
5914	485949.01	3859178.56	7.32E-04	7.50E-04	7.07E-04	2.53E-07	7.65E-07	4.43E-07	4.54E-07	4.11E-07	1.88E-07	1.77E-07	8.46E-09	2.04E-07	4.51E-08	6.16E-08	9.77E-08	1.72E-08	1.17E-08	4.46E-07	2.31E-07	9.80E-08	1.15E-07	4.53E-08	2.31E-07	9.80E-08
5915	485948.9	3859083.56	7.60E-04	7.78E-04	7.34E-04	2.63E-07	7.94E-07	4.60E-07	4.71E-07	4.27E-07	1.95E-07	1.84E-07	8.79E-09	2.12E-07	4.68E-08	6.40E-08	1.01E-07	1.79E-08	1.21E-08	4.63E-07	2.40E-07	1.02E-07	1.20E-07	4.70E-08	2.40E-07	1.02E-07
5916	485948.79	3858988.56	7.93E-04	8.12E-04	7.66E-04	2.74E-07	8.28E-07	4.80E-07	4.91E-07	4.45E-07	2.03E-07	1.92E-07	9.16E-09	2.21E-07	4.88E-08	6.67E-08	1.06E-07	1.86E-08	1.26E-08	4.83E-07	2.50E-07	1.06E-07	1.25E-07	4.90E-08	2.50E-07	1.06E-07
5917	485948.67	3858893.57	8.29E-04	8.50E-04	8.01E-04	2.87E-07	8.67E-07	5.02E-07	5.14E-07	4.66E-07	2.13E-07	2.01E-07	9.59E-09	2.32E-07	5.11E-08	6.98E-08	1.11E-07	1.95E-08	1.32E-08	5.06E-07	2.62E-07	1.11E-07	1.31E-07	5.13E-08	2.62E-07	1.11E-07
5918	485948.56	3858798.57	8.72E-04	8.93E-04	8.43E-04	3.02E-07	9.12E-07	5.28E-07	5.41E-07	4.90E-07	2.24E-07	2.11E-07	1.01E-08	2.44E-07	5.37E-08	7.34E-08	1.16E-07	2.05E-08	1.39E-08	5.32E-07	2.75E-07	1.17E-07	1.37E-07	5.40E-08	2.75E-07	1.17E-07
5919	485948.45	3858703.58	9.18E-04	9.40E-04	8.87E-04	3.18E-07	9.59E-07	5.55E-07	5.69E-07	5.16E-07	2.35E-07	2.22E-07	1.06E-08	2.56E-07	5.66E-08	7.72E-08	1.23E-07	2.16E-08	1.46E-08	5.60E-07	2.90E-07	1.23E-07	1.45E-07	5.68E-08	2.90E-07	1.23E-07
5920	485948.34	3858608.58	9.71E-04	9.95E-04	9.38E-04	3.36E-07	1.02E-06	5.88E-07	6.02E-07	5.46E-07	2.49E-07	2.35E-07	1.12E-08	2.71E-07	5.98E-08	8.17E-08	1.30E-07	2.28E-08	1.55E-08	5.92E-07	3.07E-07	1.30E-07	1.53E-07	6.01E-08	3.07E-07	1.30E-07
5921	485948.22	3858513.59	1.03E-03	1.06E-03	9.95E-04	3.57E-07	1.08E-06	6.23E-07	6.38E-07	5.79E-07	2.64E-07	2.49E-07	1.19E-08	2.88E-07	6.35E-08	8.67E-08	1.38E-07	2.42E-08	1.64E-08	6.28E-07	3.25E-07	1.38E-07	1.62E-07	6.38E-08	3.25E-07	1.38E-07
5922	485948.11	3858418.59	1.10E-03	1.12E-03	1.06E-03	3.80E-07	1.15E-06	6.64E-07	6.80E-07	6.16E-07	2.81E-07	2.65E-07	1.27E-08	3.06E-07	6.76E-08	9.23E-08	1.46E-07	2.58E-08	1.75E-08	6.68E-07	3.46E-07	1.47E-07	1.73E-07	6.79E-08	3.46E-07	1.47E-07

5923	485948	3858323.59	1.18E-03	1.20E-03	1.14E-03	4.07E-07	1.23E-06	7.12E-07	7.29E-07	6.61E-07	3.02E-07	2.84E-07	1.36E-08	3.28E-07	7.25E-08	9.90E-08	1.57E-07	2.77E-08	1.88E-08	7.17E-07	3.71E-07	1.58E-07	1.85E-07	7.28E-08	3.71E-07	1.58E-07
5924	485947.89	3858228.6	1.26E-03	1.30E-03	1.22E-03	4.38E-07	1.32E-06	7.65E-07	7.84E-07	7.11E-07	3.24E-07	3.06E-07	1.46E-08	3.53E-07	7.79E-08	1.06E-07	1.69E-07	2.98E-08	2.02E-08	7.71E-07	3.99E-07	1.69E-07	1.99E-07	7.83E-08	3.99E-07	1.69E-07
5925	485947.77	3858133.6	1.37E-03	1.40E-03	1.32E-03	4.75E-07	1.43E-06	8.30E-07	8.50E-07	7.70E-07	3.51E-07	3.32E-07	1.58E-08	3.83E-07	8.45E-08	1.15E-07	1.83E-07	3.23E-08	2.19E-08	8.36E-07	4.33E-07	1.84E-07	2.16E-07	8.49E-08	4.33E-07	1.84E-07
5926	485947.66	3858038.61	1.51E-03	1.55E-03	1.46E-03	5.24E-07	1.58E-06	9.16E-07	9.38E-07	8.51E-07	3.88E-07	3.66E-07	1.75E-08	4.23E-07	9.33E-08	1.27E-07	2.02E-07	3.56E-08	2.42E-08	9.23E-07	4.78E-07	2.03E-07	2.39E-07	9.37E-08	4.78E-07	2.03E-07
5927	485854.54	3857943.35	1.56E-03	1.59E-03	1.50E-03	5.38E-07	1.63E-06	9.41E-07	9.64E-07	8.74E-07	3.99E-07	3.76E-07	1.80E-08	4.34E-07	9.58E-08	1.31E-07	2.08E-07	3.66E-08	2.48E-08	9.48E-07	4.91E-07	2.08E-07	2.45E-07	9.63E-08	4.91E-07	2.08E-07
5928	485761.52	3857943.09	1.45E-03	1.49E-03	1.40E-03	5.03E-07	1.52E-06	8.80E-07	9.01E-07	8.17E-07	3.73E-07	3.51E-07	1.68E-08	4.06E-07	8.96E-08	1.22E-07	1.94E-07	3.42E-08	2.32E-08	8.86E-07	4.59E-07	1.95E-07	2.29E-07	9.00E-08	4.59E-07	1.95E-07
5929	485668.51	3857942.83	1.37E-03	1.40E-03	1.32E-03	4.75E-07	1.43E-06	8.30E-07	8.50E-07	7.70E-07	3.51E-07	3.32E-07	1.58E-08	3.83E-07	8.45E-08	1.15E-07	1.83E-07	3.23E-08	2.19E-08	8.36E-07	4.33E-07	1.84E-07	2.16E-07	8.49E-08	4.33E-07	1.84E-07
5930	485575.5	3857942.56	1.29E-03	1.32E-03	1.25E-03	4.48E-07	1.35E-06	7.82E-07	8.01E-07	7.26E-07	3.31E-07	3.13E-07	1.49E-08	3.61E-07	7.97E-08	1.09E-07	1.73E-07	3.04E-08	2.06E-08	7.88E-07	4.08E-07	1.73E-07	2.04E-07	8.00E-08	4.08E-07	1.73E-07
5931	485482.48	3857942.3	1.23E-03	1.26E-03	1.19E-03	4.25E-07	1.28E-06	7.43E-07	7.61E-07	6.90E-07	3.15E-07	2.97E-07	1.42E-08	3.43E-07	7.57E-08	1.03E-07	1.64E-07	2.89E-08	1.96E-08	7.48E-07	3.88E-07	1.64E-07	1.93E-07	7.60E-08	3.88E-07	1.64E-07
5932	485389.47	3857942.04	1.17E-03	1.20E-03	1.13E-03	4.05E-07	1.22E-06	7.07E-07	7.24E-07	6.57E-07	3.00E-07	2.83E-07	1.35E-08	3.26E-07	7.20E-08	9.84E-08	1.56E-07	2.75E-08	1.86E-08	7.12E-07	3.69E-07	1.57E-07	1.84E-07	7.23E-08	3.69E-07	1.57E-07
5933	485296.46	3857941.78	1.11E-03	1.14E-03	1.08E-03	3.86E-07	1.16E-06	6.74E-07	6.91E-07	6.26E-07	2.86E-07	2.69E-07	1.29E-08	3.11E-07	6.87E-08	9.38E-08	1.49E-07	2.62E-08	1.78E-08	6.79E-07	3.52E-07	1.49E-07	1.76E-07	6.90E-08	3.52E-07	1.49E-07
5934	485203.45	3857941.52	1.07E-03	1.09E-03	1.03E-03	3.70E-07	1.12E-06	6.47E-07	6.62E-07	6.00E-07	2.74E-07	2.58E-07	1.24E-08	2.98E-07	6.58E-08	8.99E-08	1.43E-07	2.51E-08	1.70E-08	6.51E-07	3.37E-07	1.43E-07	1.68E-07	6.61E-08	3.37E-07	1.43E-07
5935	485110.43	3857941.26	1.02E-03	1.05E-03	9.88E-04	3.54E-07	1.07E-06	6.19E-07	6.34E-07	5.75E-07	2.62E-07	2.47E-07	1.18E-08	2.86E-07	6.30E-08	8.61E-08	1.37E-07	2.41E-08	1.63E-08	6.23E-07	3.23E-07	1.37E-07	1.61E-07	6.33E-08	3.23E-07	1.37E-07
5936	485017.42	3857940.99	9.80E-04	1.00E-03	9.47E-04	3.39E-07	1.02E-06	5.93E-07	6.07E-07	5.51E-07	2.51E-07	2.37E-07	1.13E-08	2.74E-07	6.04E-08	8.25E-08	1.31E-07	2.31E-08	1.56E-08	5.97E-07	3.09E-07	1.31E-07	1.54E-07	6.06E-08	3.09E-07	1.31E-07
5937	484924.41	3857940.73	9.40E-04	9.63E-04	9.08E-04	3.25E-07	9.83E-07	5.69E-07	5.83E-07	5.28E-07	2.41E-07	2.27E-07	1.09E-08	2.63E-07	5.79E-08	7.91E-08	1.25E-07	2.21E-08	1.50E-08	5.73E-07	2.97E-07	1.26E-07	1.48E-07	5.82E-08	2.97E-07	1.26E-07
5938	484831.39	3857940.47	9.03E-04	9.25E-04	8.73E-04	3.13E-07	9.44E-07	5.47E-07	5.60E-07	5.07E-07	2.32E-07	2.18E-07	1.04E-08	2.52E-07	5.57E-08	7.60E-08	1.21E-07	2.12E-08	1.44E-08	5.51E-07	2.85E-07	1.21E-07	1.42E-07	5.59E-08	2.85E-07	1.21E-07
5939	484738.12	3857859.3	9.05E-04	9.27E-04	8.74E-04	3.13E-07	9.46E-07	5.47E-07	5.61E-07	5.08E-07	2.32E-07	2.19E-07	1.05E-08	2.53E-07	5.57E-08	7.61E-08	1.21E-07	2.13E-08	1.44E-08	5.51E-07	2.86E-07	1.21E-07	1.43E-07	5.60E-08	2.86E-07	1.21E-07
5940	484737.85	3857778.4	9.46E-04	9.69E-04	9.14E-04	3.27E-07	9.89E-07	5.72E-07	5.86E-07	5.31E-07	2.43E-07	2.29E-07	1.09E-08	2.64E-07	5.83E-08	7.96E-08	1.26E-07	2.23E-08	1.51E-08	5.77E-07	2.99E-07	1.27E-07	1.49E-07	5.85E-08	2.99E-07	1.27E-07
5941	484737.59	3857697.49	9.90E-04	1.01E-03	9.57E-04	3.43E-07	1.04E-06	5.99E-07	6.14E-07	5.56E-07	2.54E-07	2.39E-07	1.14E-08	2.77E-07	6.10E-08	8.33E-08	1.32E-07	2.33E-08	1.58E-08	6.04E-07	3.13E-07	1.33E-07	1.56E-07	6.13E-08	3.13E-07	1.33E-07
5942	484737.32	3857616.59	1.04E-03	1.06E-03	1.00E-03	3.59E-07	1.08E-06	6.28E-07	6.43E-07	5.83E-07	2.66E-07	2.51E-07	1.20E-08	2.90E-07	6.39E-08	8.73E-08	1.38E-07	2.44E-08	1.65E-08	6.32E-07	3.27E-07	1.39E-07	1.63E-07	6.42E-08	3.27E-07	1.39E-07
5943	484645.53	3857535.18	1.04E-03	1.07E-03	1.01E-03	3.61E-07	1.09E-06	6.30E-07	6.46E-07	5.85E-07	2.67E-07	2.52E-07	1.20E-08	2.91E-07	6.42E-08	8.77E-08	1.39E-07	2.45E-08	1.66E-08	6.35E-07	3.29E-07	1.40E-07	1.64E-07	6.45E-08	3.29E-07	1.40E-07
5944	484553.99	3857534.67	9.96E-04	1.02E-03	9.62E-04	3.45E-07	1.04E-06	6.03E-07	6.17E-07	5.60E-07	2.55E-07	2.41E-07	1.15E-08	2.78E-07	6.14E-08	8.38E-08	1.33E-07	2.34E-08	1.59E-08	6.07E-07	3.14E-07	1.33E-07	1.57E-07	6.17E-08	3.14E-07	1.33E-07
5945	484462.46	3857534.17	9.55E-04	9.78E-04	9.23E-04	3.31E-07	9.98E-07	5.78E-07	5.92E-07	5.36E-07	2.45E-07	2.31E-07	1.10E-08	2.67E-07	5.88E-08	8.03E-08	1.27E-07	2.25E-08	1.52E-08	5.82E-07	3.01E-07	1.28E-07	1.50E-07	5.91E-08	3.01E-07	1.28E-07
5946	484370.93	3857533.66	9.18E-04	9.40E-04	8.87E-04	3.18E-07	9.59E-07	5.55E-07	5.69E-07	5.16E-07	2.35E-07	2.22E-07	1.06E-08	2.56E-07	5.66E-08	7.72E-08	1.23E-07	2.16E-08	1.46E-08	5.60E-07	2.90E-07	1.23E-07	1.45E-07	5.68E-08	2.90E-07	1.23E-07
5947	484279.4	3857533.16	8.84E-04	9.05E-04	8.54E-04	3.06E-07	9.24E-07	5.35E-07	5.48E-07	4.97E-07	2.27E-07	2.14E-07	1.02E-08	2.47E-07	5.45E-08	7.44E-08	1.18E-07	2.08E-08	1.41E-08	5.39E-07	2.79E-07	1.18E-07	1.39E-07	5.47E-08	2.79E-07	1.18E-07
5948	484187.86	3857532.65	8.55E-04	8.75E-04	8.26E-04	2.96E-07	8.93E-07	5.17E-07	5.30E-07	4.80E-07	2.19E-07	2.07E-07	9.88E-09	2.39E-07	5.27E-08	7.19E-08	1.14E-07	2.01E-08	1.36E-08	5.21E-07	2.70E-07	1.14E-07	1.35E-07	5.29E-08	2.70E-07	1.14E-07
5949	484096.33	3857532.15	8.28E-04	8.48E-04	8.00E-04	2.87E-07	8.65E-07	5.01E-07	5.13E-07	4.65E-07	2.12E-07	2.00E-07	9.57E-09	2.31E-07	5.10E-08	6.97E-08	1.11E-07	1.95E-08	1.32E-08	5.05E-07	2.61E-07	1.11E-07	1.30E-07	5.12E-08	2.61E-07	1.11E-07
5950	484004.8	3857531.64	8.04E-04	8.24E-04	7.77E-04	2.78E-07	8.41E-07	4.87E-07	4.98E-07	4.52E-07	2.06E-07	1.94E-07	9.30E-09	2.25E-07	4.96E-08	6.77E-08	1.07E-07	1.89E-08	1.28E-08	4.90E-07	2.54E-07	1.08E-07	1.27E-07	4.98E-08	2.54E-07	1.08E-07
5951	483913.27	3857531.14	7.82E-04	8.01E-04	7.56E-04	2.71E-07	8.18E-07	4.73E-07	4.85E-07	4.39E-07	2.01E-07	1.89E-07	9.04E-09	2.18E-07	4.82E-08	6.58E-08	1.04E-07	1.84E-08	1.25E-08	4.77E-07	2.47E-07	1.05E-07	1.23E-07	4.84E-08	2.47E-07	1.05E-07
5952	483821.73	3857530.63	7.62E-04	7.80E-04	7.36E-04	2.64E-07	7.96E-07	4.61E-07	4.72E-07	4.28E-07	1.95E-07	1.84E-07	8.80E-09	2.13E-07	4.69E-08	6.41E-08	1.02E-07	1.79E-08	1.21E-08	4.64E-07	2.40E-07	1.02E-07	1.20E-07	4.71E-08	2.40E-07	1.02E-07
5953	483729.61	3857450.11	7.65E-04	7.83E-04	7.39E-04	2.65E-07	7.99E-07	4.63E-07	4.74E-07	4.29E-07	1.96E-07	1.85E-07	8.84E-09	2.13E-07	4.71E-08	6.43E-08	1.02E-07	1.80E-08	1.22E-08	4.66E-07	2.41E-07	1.02E-07	1.20E-07	4.73E-08	2.41E-07	1.02E-07
5954	483729.03	3857370.08	7.90E-04	8.09E-04	7.63E-04	2.73E-07	8.25E-07	4.78E-07	4.89E-07	4.44E-07	2.02E-07	1.91E-07	9.13E-09	2.20E-07	4.86E-08	6.64E-08	1.05E-07	1.86E-08	1.26E-08	4.81E-07	2.49E-07	1.06E-07	1.24E-07	4.89E-08	2.49E-07	1.06E-07
5955	483728.44	3857290.06	8.16E-04	8.36E-04	7.88E-04	2.83E-07	8.53E-07	4.94E-07	5.06E-07	4.59E-07	2.09E-07	1.97E-07	9.43E-09	2.28E-07	5.03E-08	6.87E-08	1.09E-07	1.92E-08	1.30E-08	4.97E-07	2.58E-07	1.09E-07	1.29E-07	5.05E-08	2.58E-07	1.09E-07
5956	483727.86	3857210.03	8.43E-04	8.63E-04	8.14E-04	2.92E-07	8.81E-07	5.10E-07	5.22E-07	4.73E-07	2.16E-07	2.04E-07	9.74E-09	2.35E-07	5.19E-08	7.09E-08	1.12E-07	1.98E-08	1.34E-08	5.14E-07	2.66E-07	1.13E-07	1.33E-07	5.22E-08	2.66E-07	1.13E-07
5957	483641.15	3857129.07	8.47E-04	8.68E-04	8.18E-04	2.93E-07	8.85E-07	5.13E-07	5.25E-07	4.76E-07	2.17E-07	2.05E-07	9.79E-09	2.37E-07	5.22E-08	7.13E-08	1.13E-07	1.99E-08	1.35E-08	5.16E-07	2.67E-07	1.13E-07	1.33E-07	5.24E-08	2.67E-07	1.13E-07
5958	483555.03	3857128.14	8.22E-04	8.42E-04	7.94E-04	2.85E-07	8.59E-07	4.97E-07	5.09E-07	4.62E-07	2.11E-07	1.99E-07	9.50E-09	2.30E-07	5.06E-08	6.92E-08	1.10E-07	1.93E-08	1.31E-08	5.01E-07	2.59E-07	1.10E-07	1.30E-07	5.09E-08	2.59E-07	1.10E-07
5959	483468.91	3857127.2	7.98E-04	8.18E-04	7.71E-04	2.76E-07	8.35E-07	4.83E-07	4.95E-07	4.49E-07	2.05E-07	1.93E-07	9.23E-09	2.23E-07	4.92E-08	6.72E-08	1.07E-07	1.88E-08	1.27E-08	4.87E-07	2.52E-07	1.07E-07	1.26E-07	4.94E-08	2.52E-07	1.07E-07
5960	483382.78	3857126.26	7.78E-04	7.97E-04	7.51E-04	2.69E-07	8.13E-07	4.71E-07	4.82E-07	4.37E-07	1.99E-07	1.88E-07	8.99E-09	2.17E-07	4.79E-08	6.54E-08	1.04E-07	1.83E-08	1.24E-08	4.74E-07	2.45E-07	1.04E-07	1.23E-07	4.81E-08	2.45E-07	1.04E-07
5961	483296.66	3857125.32	7.59E-04	7.77E-04	7.33E-04	2.63E-07	7.93E-07	4.59E-07	4.70E-07	4.26E-07	1.94E-07	1.83E-07	8.77E-09	2.12E-07	4.67E-08	6.38E-08	1.01E-07	1.78E-08	1.21E-08	4.62E-07	2.39E-07	1.02E-07	1.20E-07	4.69E-08	2.39E-07	1.02E-07
5962	483210.54	3857124.39	7.39E-04	7.57E-04	7.14E-04	2.56E-07	7.73E-07	4.47E-07	4.58E-07	4.15E-07	1.90E-07	1.79E-07	8.55E-09	2.06E-07	4.56E-08	6.22E-08	9.87E-08	1.74E-08	1.18E-08	4.51E-07	2.33E-07	9.90E-08	1.16E-07	4.58E-08	2.33E-07	9.90E-08
5963	483123.4	3857030.96	7.45E-04	7.63E-04	7.20E-04	2.58E-07	7.79E-07	4.51E-07	4.62E-07	4.19E-07	1.91E-07	1.80E-07	8.62E-09	2.08E-07	4.59E-08	6.27E-08	9.95E-08	1.75E-08	1.19E-08	4.54E-07	2.35E-07	9.98E-08	1.17E-07	4.61E-08	2.35E-07	9.98E-08
5964	483122.38	3856938.46	7.70E-04	7.89E-04	7.44E-04	2.67E-07	8.05E-07	4.66E-07	4.77E-07	4.33E-07	1.97E-07	1.86E-07	8.91E-09	2.15E-07	4.75E-08	6.48E-08	1.03E-07	1.81E-08	1.23E-08	4.70E-07	2.43E-07	1.03E-07	1.21E-07	4.77E-08	2.43E-07	1.03E-07
5965	483121.35	3856845.97	7.95E-04	8.15E-04	7.69E-04	2.75E-07	8.31E-07	4.81E-07	4.93E-07	4.47E-07	2.04E-07	1.92E-07	9.20E-09	2.22E-07	4.90E-08	6.69E-08	1.06E-07	1.87E-08	1.27E-08	4.85E-07	2.51E-07	1.07E-07	1.25E-07	4.92E-08	2.51E-07	1.07E-07
5966	483120.33	3856753.47	8.21E-04	8.40E-04	7.93E-04	2.84E-07	8.58E-07	4.97E-07	5.09E-07	4.61E-07	2.10E-07	1.98E-07	9.49E-09	2.29E-07	5.06E-08	6.90E-08	1.10E-07	1.93E-08	1.31E-08	5.00E-07	2.59E-07	1.10E-07	1.29E-07	5.08E-08	2.59E-07	1.10E-07
5967	483119.31	3856660.98	8.49E-04	8.69E-04	8.20E-04	2.94E-07	8.87E-07	5.13E-07	5.26E-07	4.77E-07	2.18E-07	2.05E-07	9.81E-09	2.37E-07	5.23E-08	7.14E-08	1.13E-07	2.00E-08	1.35E-08	5.17E-07	2.68E-07	1.14E-07	1.34E-07	5.25E-08	2.68E-07	1.14E-07
5968	483118.29	3856568.49	8.80E-04	9.01E-04	8.50E-04	3.04E-07	9.19E-07	5.32E-07	5.45E-07	4.94E-07	2.25E-07	2.13E-07	1.02E-08	2.46E-07	5.42E-08	7.40E-08	1.17E-07	2.07E-08	1.40E-08	5.36E-07	2.78E-07	1.18E-07	1.39E-07	5.44E-08	2.78E-07	1.18E-07
5969	483117.26	3856475.99	9.15E-04	9.37E-04	8.84E-04	3.17E-07	9.56E-07	5.54E-07	5.67E-07	5.14E-07	2.35E-07	2.21E-07	1.06E-08	2.55E-07	5.64E-08	7.70E-08	1.22E-07	2.15E-08	1.46E-08	5.58E-07	2.89E-07	1.23E-07	1.44E-07	5.66E-08	2.89E-07	1.23E-07
5970	483116.24	3856383.5	9.53E-04	9.77E-04	9.21E-04	3.30E-07	9.97E-07	5.77E-07	5.91E-07	5.36E-07	2.44E-07	2.31E-07	1.10E-08	2.66E-07	5.87E-08	8.02E-08	1.27E-07	2.24E-08	1.52E-08	5.81E-07	3.01E-07	1.28E-07	1.50E-07	5.90E-08	3.01E-07	1.28E-07
5971	483115.22	3856291.01	9.95E-04	1.02E-03	9.61E-04	3.44E-07	1.04E-06	6.02E-07	6.16E-07	5.59E-07	2.55E-07	2.41E-07	1.15E-08	2.78E-07	6.13E-08	8.37E-08	1.33E-07	2.34E-08	1.59E-08	6.06E-07	3.14E-07	1.33E-07	1.57E-07	6.16E-08	3.14E-07	1.33E-07
5972	483114.2	3856198.51	1.04E-03	1.07E-03	1.01E-03	3.60E-07	1.09E-06	6.30E-07	6.45E-07	5.85E-07	2.67E-07	2.52E-07	1.20E-08	2.91E-07	6.41E-08	8.75E-08	1.39E-07	2.45E-08	1.66E-08	6.34E-07	3.28E-07	1.39E-07	1.64E-07	6.44E-08	3.28E-07	1.39E-07
5973	483113.17	3856106.02	1.10E-03	1.12E-03	1.06E-03	3.80E-07	1.15E-06	6.64E-07	6.80E-07	6.17E-07	2.81E-07	2.65E-07	1.27E-08	3.07E-07	6.77E-08	9.24E-08	1.47E-07	2.58E-08	1.75E-08	6.69E-07	3.47E-07	1.47E-07	1.73E-07	6.80E-08	3.47E-07	1.47E-07
5974	483112.15	3856013.52	1.16E-03	1.19E-03	1.12E-03	4.02E-07	1.21E-06	7.03E-07	7.20E-07	6.53E-07	2.98E-07	2.81E-07	1.34E-08	3.24E-07	7.16E-08	9.77E-08	1.55E-07	2.73E-08	1.85E-08	7.08E-07	3.67E-07	1.56E-07	1.83E-07	7.19E-08	3.67E-07	1.56E-07
5975	483029.25	3855920.47	1.18E-03	1.20E-03	1.14E-03	4.07E-07	1.23E-06	7.12E-07	7.29E-07	6.61E-07	3.02E-07	2.84E-07	1.36E-08	3.28E-07	7.25E-08	9.90E-08	1.57E-07	2.77E-08	1.88E-08	7.17E-07	3.71E-07	1.58E-07	1.85E-07	7.28E-08	3.71E-07	1.58E-07
5976	482947.37	3855919.91	1.12E-03	1.15E-03	1.08E-03	3.88E-07	1.17E-06	6.79E-07	6.95E-07	6.30E-07	2.88E-07	2.71E-07	1.30E-08	3.13E-07	6.91E-08	9.44E-08	1.50E-07	2.64E-08	1.79E-08	6.84E-07	3.54E-07	1.50E-07	1.77E-07	6.94E-08	3.54E-07	1.50E-07
5977	482865.49	3855919.36	1.07E-03	1.10E-03	1.04E-03	3.71E-07	1.12E-06	6.49E-07	6.65E-07	6.03E-07	2.75E-07	2.59E-07	1.24E-08	3.00E-07	6.61E-08	9.03E-08	1.43E-07	2.52E-08	1.71E-08	6.54E-07	3.39E-07	1.44E-07	1.69E-07	6.64E-08	3.39E-07	1.44E-07
5978	482783.61	3855918.8	1.03E-03	1.06E-03	9.97E-04	3.57E-07	1.08E-06	6.24E-07	6.39E-07	5.80E-07	2.64E-07	2.49E-07	1.19E-08	2.88E-07	6.36E-08	8.68E-08	1.38E-07	2.43E-08	1.65E-08	6.29E-07	3.26E-07	1.38E-07	1.63E-07	6.38E-08	3.26E-07	1.38E-07
5979	482700.33	3855818.39	1.04E-03	1.07E-03	1.01E-03	3.61E-07	1.09E-06	6.30E-07	6.46E-07	5.85E-07	2.67E-07	2.52E-07	1.20E-08	2.91E-07	6.42E-08	8.77E-08	1.39E-07	2.45E-08	1.66E-08	6.35E-07	3.29E-07	1.40E-07	1.64E-07	6.45E-08	3.29E-07	1.40E-07
5980	482698.92	3855718.54	1.10E-03	1.13E-03	1.07E-03	3.82E-07	1.15E-06	6.67E-07	6.83E-07	6.19E-07	2.83E-07	2.67E-07	1.27E-08	3.08E-07	6.79E-08	9.28E-08	1.47E-07	2.59E-08	1.76E-08	6.72E-07	3.48E-07	1.48E-07	1.74E-07	6.82E-08	3.48E-07	1.48E-07
5981	482697.52	3855618.68	1.17E-03	1.20E-03	1.13E-03	4.05E-07	1.22E-06	7.08E-07	7.25E-07	6.57E-07	3.00E-07	2.83E-07	1.35E-08	3.27E-07	7.21E-08	9.85E-08	1.56E-07	2.75E-08	1.87E-08	7.13E-07	3.69E-07	1.57E-07	1.84E-07	7.24E-08	3.69E-07	1.57E-07
5982	482696.11	3855518.83	1.25E-03	1.28E-03	1.21E-03	4.34E-07	1.31E-06	7.58E-07	7.77E-07	7.04E-07	3.21E-07	3.03E-07	1.45E-08	3.50E-07	7.72E-08	1.05E-07	1.67E-07	2.95E-08	2.00E-08	7.64E-07	3.95E-07	1.68E-07	1.97E-07	7.75E-08	3.95E-07	1.68E-07
5983	482694.71	3855418.98	1.35E-03	1.38E-03	1.30E-03	4.66E-07	1.41E-06	8.14E-07	8.34E-07	7.56E-07	3.45E-07	3.25E-07	1.56E-08	3.76E-07	8.29E-08	1.13E-07	1.80E-07	3.17E-08	2.15E-08	8.20E-07	4.25E-07	1.80E-07	2.12E-07	8.33E-08	4.25E-07	1.80E-07
5984	482693.3	3855319.13	1.46E-03	1.49E-03	1.41E-03	5.04E-07	1.52E-06	8.81E-07	9.03E-07	8.18E-07	3.73E-07	3.52E-07	1.68E-08	4.07E-07	8.98E-08	1.23E-07	1.94E-07	3.43E-08	2.32E-08	8.88E-07	4.60E-07	1.95E-07	2.29E-07	9.02E-08	4.60E-07	1.95E-07
5985	482691.9	3855219.27	1.59E-03	1.63E-03	1.54E-03	5.50E-07	1.66E-06	9.62E-07	9.85E-07	8.93E-07	4.07E-07	3.84E-07	1.84E-08	4.44E-07	9.79E-08	1.34E-07	2.12E-07	3.74E-08	2.54E-08	9.69E-07	5.02E-07	2.13E-07	2.50E-07	9.84E-08	5.02E-07	2.13E-07
5986	482690.49	3855119.42	1.75E-03	1.79E-03	1.69E-03	6.05E-07	1.83E-06	1.06E-06	1.08E-06	9.83E-07	4.48E-07	4.23E-07	2.02E-08	4.88E-07	1.08E-07	1.47E-07	2.33E-07	4.11E-08	2.79E-08	1.07E-06	5.52E-07	2.34E-07	2.76E-07	1.08E-07	5.52E-07	2.34E-07
5987	482689.09	3855019.57	1.96E-03	2.00E-03	1.89E-03	6.77E-07	2.04E-06	1.18E-06	1.21E-06	1.10E-06	5.01E-07	4.73E-07	2.26E-08	5.46E-07	1.20E-07	1.65E-07	2.61E-07	4.60E-08	3.12E-08	1.19E-06	6.17E-07	2.62E-07	3.08E-07	1.21E-07	6.17E-07	2.62E-07
5988	482687.68	3854919.71	2.20E-03	2.26E-03	2.13E-03	7.62E-07	2.30E-06	1.33E-06	1.36E-06	1.24E-06	5.64E-07	5.32E-07	2.55E-08	6.15E-07	1.36E-07	1.85E-07	2.94E-07	5.18E-08	3.51E-08	1.34E-06	6.95E-07	2.95E-07	3.47E-07	1.36E-07	6.95E-07	2.95E-07
5989	482686.28	3854819.86	2.52E-03	2.58E-03	2.44E-03	8.73E-07	2.63E-06	1.53E-06	1.56E-06	1.42E-06	6.46E-07	6.10E-07	2.91E-08	7.04E-07	1.55E-07	2.12E-07	3.36E-07	5.93E-08	4.02E-08	1.54E-06	7.96E-07	3.38E-07	3.97E-07	1.56E-07	7.96E-07	3.38E-07
5990	482684.88	3854720.01	2.90E-03	2.97E-03	2.80E-03	1.00E-06	3.03E-06	1.75E-06	1.80E-06	1.63E-06	7.43E-07	7.01E-07	3.35E-08	8.10E-07	1.79E-07	2.44E-07	3.87E-07	6.82E-08	4.63E-08	1.77E-06	9.15E-07	3.88E-07	4.57E-07	1.79E-07	9.15E-07	3.88E-07
5991	482683.47	3854620.16	3.38E-03	3.46E-03	3.26E-03	1.17E-06	3.53E-06	2.04E-06	2.09E-06	1.90E-06	8.66E-07	8.17E-07	3.91E-08	9.43E-07	2.08E-07	2.84E-07	4.51E-07	7.95E-08	5.39E-08	2.06E-06	1.07E-06	4.52E-07	5.32E-07	2.09E-07	1.07E-06	4.52E-07
5992	482682.07	3854520.31	3.91E-03	4.00E-03	3.78E-03	1.35E-06	4.09E-06	2.37E-06	2.42E-06	2.20E-06	1.00E-06	9.45E-07	4.52E-08	1.09E-06	2.41E-07	3.29E-07	5.22E-07	9.20E-08	6.24E-08	2.38E-06	1.23E-06	5.24E-07	6.16E-07	2.42E-07	1.23E-06	5.24E-07
5993	482680.66	3854420.45	4.48E-03	4.59E-03	4.33E-03	1.55E-06	4.68E-06	2.71E-06	2.78E-06	2.52E-06	1.15E-06	1.08E-06	5.18E-08	1.25E-06	2.76E-07	3.77E-07	5.98E-07	1.05E-07	7.15E-08	2.73E-06	1.41E-06	6.00E-07	7.06E-07	2.77E-07	1.41E-06	6.00E-07
5994	482679.26	3854320.6	4.99E-03	5.11E-03	4.82E-03	1.73E-06	5.21E-06	3.02E-06	3.09E-06	2.80E-06	1.28E-06	1.21E-06	5.76E-08	1.39E-06	3.07E-07	4.19E-07	6.65E-07	1.17E-07	7.95E-08	3.04E-06	1.57E-06	6.68E-07	7.85E-07	3.09E-07	1.57E-06	6.68E-07
5995	482677.85	3854220.75	5.36E-03	5.49E-03	5.18E-03	1.86E-06	5.61E-06	3.25E-06	3.32E-06	3.01E-06	1.37E-06	1.30E-06	6.20E-08	1.50E-06	3.30E-07	4.51E-07	7.16E-07	1.26E-07	8.55E-08	3.27E-06	1.69E-06	7.18E-07	8.45E-07	3.32E-07	1.69E-06	7.18E-07
5996	482676.45	3854120.9	5.53E-03	5.67E-03	5.35E-03	1.92E-06	5.78E-06	3.35E-06	3.43E-06	3.11E-06	1.42E-06	1.34E-06	6.40E-08	1.54E-06	3.41E-07	4.66E-07	7.39E-07	1.30E-07	8.82E-08	3.37E-06	1.75E-06	7.41E-07	8.72E-07	3.42E-07	1.75E-06	7.41E-07
5997	482675.04	3854021.04	5.75E-03	5.89E-03	5.55E-03	1.99E-06	6.01E-06	3.48E-06	3.56E-06	3.23E-06	1.47E-06	1.39E-06	6.64E-08	1.60E-06	3.54E-07	4.84E-07	7.67E-07	1.35E-07	9.17E-08	3.50E-06	1.81E-06	7.70E-07	9.05E-07	3.56E-07	1.81E-06	7.70E-07
5998	482673.64	3853921.19	5.96E-03	6.11E-03	5.76E-03	2.06E-06	6.23E-06	3.61E-06	3.70E-06	3.35E-06	1.53E-06	1.44E-06	6.89E-08	1.67E-06	3.67E-07	5.02E-07	7.96E-07	1.40E-07	9.51E-08	3.63E-06	1.88E-06	7.99E-07	9.40E-07	3.69E-07	1.88E-06	7.99E-07
5999	482672.23	3853821.34	6.34E-03	6.50E-03	6.13E-03	2.20E-06	6.63E-06	3.84E-06	3.93E-06	3.56E-06	1.63E-06	1.53E-06	7.33E-08	1.77E-06	3.91E-07	5.34E-07	8.47E-07	1.49E-07	1.01E-07	3.87E-06	2.00E-06	8.49E-07	9.99E-07	3.92E-07	2.00E-06	8.49E-07

6000	482670.83	3853721.48	6.77E-03	6.94E-03	6.54E-03	2.35E-06	7.08E-06	4.10E-06	4.20E-06	3.81E-06	1.74E-06	1.64E-06	7.83E-08	1.89E-06	4.17E-07	5.70E-07	9.04E-07	1.59E-07	1.08E-07	4.13E-06	2.14E-06	9.07E-07	1.07E-06	4.19E-07	2.14E-06	9.07E-07
6001	482669.42	3853621.63	7.31E-03	7.49E-03	7.06E-03	2.53E-06	7.64E-06	4.42E-06	4.53E-06	4.11E-06	1.87E-06	1.77E-06	8.45E-08	2.04E-06	4.50E-07	6.15E-07	9.76E-07	1.72E-07	1.17E-07	4.46E-06	2.31E-06	9.79E-07	1.15E-06	4.52E-07	2.31E-06	9.79E-07
6002	482645.99	3853446.13	8.33E-03	8.53E-03	8.04E-03	2.88E-06	8.70E-06	5.04E-06	5.16E-06	4.68E-06	2.13E-06	2.01E-06	9.62E-08	2.32E-06	5.13E-07	7.01E-07	1.11E-06	1.96E-07	1.33E-07	5.07E-06	2.63E-06	1.11E-06	1.31E-06	5.15E-07	2.63E-06	1.11E-06
6003	482623.96	3853370.48	8.42E-03	8.63E-03	8.14E-03	2.92E-06	8.81E-06	5.10E-06	5.22E-06	4.73E-06	2.16E-06	2.04E-06	9.74E-08	2.35E-06	5.19E-07	7.09E-07	1.12E-06	1.98E-07	1.34E-07	5.13E-06	2.66E-06	1.13E-06	1.33E-06	5.21E-07	2.66E-06	1.13E-06
6004	482601.94	3853294.84	8.82E-03	9.04E-03	8.52E-03	3.05E-06	9.22E-06	5.34E-06	5.47E-06	4.96E-06	2.26E-06	2.13E-06	1.02E-07	2.46E-06	5.44E-07	7.42E-07	1.18E-06	2.08E-07	1.41E-07	5.38E-06	2.78E-06	1.18E-06	1.39E-06	5.46E-07	2.78E-06	1.18E-06
6005	482531.29	3853133.44	1.01E-02	1.04E-02	9.80E-03	3.51E-06	1.06E-05	6.14E-06	6.29E-06	5.70E-06	2.60E-06	2.45E-06	1.17E-07	2.83E-06	6.25E-07	8.53E-07	1.35E-06	2.39E-07	1.62E-07	6.18E-06	3.20E-06	1.36E-06	1.60E-06	6.28E-07	3.20E-06	1.36E-06
6006	482482.68	3853047.69	1.09E-02	1.12E-02	1.05E-02	3.77E-06	1.14E-05	6.60E-06	6.76E-06	6.13E-06	2.80E-06	2.64E-06	1.26E-07	3.04E-06	6.72E-07	9.17E-07	1.46E-06	2.57E-07	1.74E-07	6.65E-06	3.44E-06	1.46E-06	1.72E-06	6.75E-07	3.44E-06	1.46E-06
6007	482383.08	3852897.4	1.61E-02	1.65E-02	1.56E-02	5.58E-06	1.68E-05	9.75E-06	9.98E-06	9.05E-06	4.13E-06	3.90E-06	1.86E-07	4.50E-06	9.93E-07	1.36E-06	2.15E-06	3.79E-07	2.57E-07	9.82E-06	5.08E-06	2.16E-06	2.54E-06	9.97E-07	5.08E-06	2.16E-06
6008	482265.64	3852765.26	1.82E-02	1.86E-02	1.76E-02	6.29E-06	1.90E-05	1.10E-05	1.13E-05	1.02E-05	4.66E-06	4.40E-06	2.10E-07	5.08E-06	1.12E-06	1.53E-06	2.43E-06	4.28E-07	2.90E-07	1.11E-05	5.74E-06	2.44E-06	2.86E-06	1.13E-06	5.74E-06	2.44E-06
6009	482199.16	3852697.66	1.80E-02	1.84E-02	1.74E-02	6.23E-06	1.88E-05	1.09E-05	1.12E-05	1.01E-05	4.62E-06	4.35E-06	2.08E-07	5.03E-06	1.11E-06	1.52E-06	2.40E-06	4.24E-07	2.87E-07	1.10E-05	5.68E-06	2.41E-06	2.84E-06	1.11E-06	5.68E-06	2.41E-06
6010	482132.69	3852630.07	1.77E-02	1.81E-02	1.71E-02	6.12E-06	1.85E-05	1.07E-05	1.10E-05	9.93E-06	4.53E-06	4.27E-06	2.04E-07	4.94E-06	1.09E-06	1.49E-06	2.36E-06	4.16E-07	2.82E-07	1.08E-05	5.58E-06	2.37E-06	2.78E-06	1.09E-06	5.58E-06	2.37E-06
6011	482066.21	3852562.48	1.75E-02	1.79E-02	1.69E-02	6.06E-06	1.83E-05	1.06E-05	1.09E-05	9.84E-06	4.49E-06	4.23E-06	2.02E-07	4.89E-06	1.08E-06	1.47E-06	2.34E-06	4.12E-07	2.79E-07	1.07E-05	5.53E-06	2.35E-06	2.76E-06	1.08E-06	5.53E-06	2.35E-06
6012	481999.74	3852494.89	1.72E-02	1.76E-02	1.66E-02	5.95E-06	1.80E-05	1.04E-05	1.07E-05	9.66E-06	4.41E-06	4.16E-06	1.99E-07	4.80E-06	1.06E-06	1.45E-06	2.30E-06	4.05E-07	2.74E-07	1.05E-05	5.43E-06	2.30E-06	2.71E-06	1.06E-06	5.43E-06	2.30E-06
6013	481933.26	3852427.29	1.67E-02	1.71E-02	1.61E-02	5.78E-06	1.75E-05	1.01E-05	1.04E-05	9.38E-06	4.28E-06	4.04E-06	1.93E-07	4.66E-06	1.03E-06	1.41E-06	2.23E-06	3.93E-07	2.66E-07	1.02E-05	5.27E-06	2.24E-06	2.63E-06	1.03E-06	5.27E-06	2.24E-06
6014	481866.79	3852359.7	1.66E-02	1.70E-02	1.60E-02	5.75E-06	1.74E-05	1.00E-05	1.03E-05	9.33E-06	4.26E-06	4.01E-06	1.92E-07	4.64E-06	1.02E-06	1.40E-06	2.22E-06	3.91E-07	2.65E-07	1.01E-05	5.24E-06	2.22E-06	2.62E-06	1.03E-06	5.24E-06	2.22E-06
6015	481800.31	3852292.11	1.62E-02	1.66E-02	1.56E-02	5.60E-06	1.69E-05	9.79E-06	1.00E-05	9.09E-06	4.15E-06	3.91E-06	1.87E-07	4.52E-06	9.97E-07	1.36E-06	2.16E-06	3.80E-07	2.58E-07	9.86E-06	5.10E-06	2.17E-06	2.55E-06	1.00E-06	5.10E-06	2.17E-06
6016	481733.84	3852224.52	1.59E-02	1.63E-02	1.53E-02	5.50E-06	1.66E-05	9.61E-06	9.84E-06	8.92E-06	4.07E-06	3.84E-06	1.84E-07	4.43E-06	9.78E-07	1.34E-06	2.12E-06	3.74E-07	2.53E-07	9.68E-06	5.01E-06	2.13E-06	2.50E-06	9.83E-07	5.01E-06	2.13E-06
6017	481667.36	3852156.92	1.59E-02	1.63E-02	1.53E-02	5.49E-06	1.66E-05	9.60E-06	9.83E-06	8.91E-06	4.07E-06	3.84E-06	1.83E-07	4.43E-06	9.78E-07	1.34E-06	2.12E-06	3.73E-07	2.53E-07	9.67E-06	5.01E-06	2.12E-06	2.50E-06	9.82E-07	5.01E-06	2.12E-06
6018	481600.89	3852089.33	1.55E-02	1.59E-02	1.50E-02	5.38E-06	1.62E-05	9.41E-06	9.63E-06	8.73E-06	3.98E-06	3.76E-06	1.80E-07	4.34E-06	9.58E-07	1.31E-06	2.07E-06	3.66E-07	2.48E-07	9.47E-06	4.91E-06	2.08E-06	2.45E-06	9.62E-07	4.91E-06	2.08E-06
6019	481534.41	3852021.74	1.54E-02	1.58E-02	1.49E-02	5.34E-06	1.61E-05	9.34E-06	9.57E-06	8.67E-06	3.96E-06	3.73E-06	1.78E-07	4.31E-06	9.51E-07	1.30E-06	2.06E-06	3.63E-07	2.46E-07	9.41E-06	4.87E-06	2.07E-06	2.43E-06	9.55E-07	4.87E-06	2.07E-06
6020	481467.94	3851954.15	1.53E-02	1.57E-02	1.48E-02	5.31E-06	1.60E-05	9.27E-06	9.50E-06	8.61E-06	3.93E-06	3.71E-06	1.77E-07	4.28E-06	9.44E-07	1.29E-06	2.05E-06	3.61E-07	2.44E-07	9.34E-06	4.84E-06	2.05E-06	2.41E-06	9.49E-07	4.84E-06	2.05E-06
6021	481401.46	3851886.55	1.53E-02	1.57E-02	1.48E-02	5.29E-06	1.60E-05	9.25E-06	9.47E-06	8.59E-06	3.92E-06	3.70E-06	1.77E-07	4.27E-06	9.42E-07	1.29E-06	2.04E-06	3.60E-07	2.44E-07	9.31E-06	4.82E-06	2.05E-06	2.41E-06	9.46E-07	4.82E-06	2.05E-06
6022	481265.87	3851761.43	1.34E-02	1.37E-02	1.30E-02	4.65E-06	1.40E-05	8.12E-06	8.32E-06	7.54E-06	3.44E-06	3.25E-06	1.55E-07	3.75E-06	8.27E-07	1.13E-06	1.79E-06	3.16E-07	2.14E-07	8.18E-06	4.24E-06	1.80E-06	2.11E-06	8.31E-07	4.24E-06	1.80E-06
6023	481196.74	3851703.89	1.26E-02	1.29E-02	1.21E-02	4.35E-06	1.31E-05	7.60E-06	7.78E-06	7.06E-06	3.22E-06	3.04E-06	1.45E-07	3.51E-06	7.74E-07	1.06E-06	1.68E-06	2.95E-07	2.00E-07	7.65E-06	3.96E-06	1.68E-06	1.98E-06	7.77E-07	3.96E-06	1.68E-06
6024	481076.33	3851619.04	1.22E-02	1.25E-02	1.18E-02	4.23E-06	1.28E-05	7.39E-06	7.57E-06	6.86E-06	3.13E-06	2.95E-06	1.41E-07	3.41E-06	7.52E-07	1.03E-06	1.63E-06	2.87E-07	1.95E-07	7.44E-06	3.85E-06	1.64E-06	1.92E-06	7.56E-07	3.85E-06	1.64E-06
6025	480939.8	3851549.07	1.18E-02	1.21E-02	1.14E-02	4.10E-06	1.24E-05	7.17E-06	7.34E-06	6.65E-06	3.04E-06	2.86E-06	1.37E-07	3.31E-06	7.30E-07	9.96E-07	1.58E-06	2.79E-07	1.89E-07	7.22E-06	3.74E-06	1.59E-06	1.87E-06	7.33E-07	3.74E-06	1.59E-06
6026	480854.56	3851506.41	1.19E-02	1.22E-02	1.15E-02	4.12E-06	1.24E-05	7.20E-06	7.37E-06	6.68E-06	3.05E-06	2.88E-06	1.38E-07	3.32E-06	7.33E-07	1.00E-06	1.59E-06	2.80E-07	1.90E-07	7.25E-06	3.75E-06	1.59E-06	1.87E-06	7.36E-07	3.75E-06	1.59E-06
6027	480769.32	3851463.75	1.20E-02	1.23E-02	1.16E-02	4.17E-06	1.26E-05	7.28E-06	7.46E-06	6.76E-06	3.08E-06	2.91E-06	1.39E-07	3.36E-06	7.41E-07	1.01E-06	1.61E-06	2.83E-07	1.92E-07	7.33E-06	3.80E-06	1.61E-06	1.90E-06	7.45E-07	3.80E-06	1.61E-06
6028	480684.08	3851421.08	1.22E-02	1.25E-02	1.18E-02	4.22E-06	1.27E-05	7.37E-06	7.55E-06	6.84E-06	3.12E-06	2.95E-06	1.41E-07	3.40E-06	7.50E-07	1.02E-06	1.63E-06	2.87E-07	1.94E-07	7.42E-06	3.84E-06	1.63E-06	1.92E-06	7.54E-07	3.84E-06	1.63E-06
6029	480598.84	3851378.42	1.22E-02	1.25E-02	1.18E-02	4.22E-06	1.27E-05	7.37E-06	7.55E-06	6.85E-06	3.12E-06	2.95E-06	1.41E-07	3.40E-06	7.51E-07	1.03E-06	1.63E-06	2.87E-07	1.94E-07	7.43E-06	3.85E-06	1.63E-06	1.92E-06	7.54E-07	3.85E-06	1.63E-06
6030	480435.71	3851275.01	1.65E-02	1.69E-02	1.59E-02	5.71E-06	1.72E-05	9.98E-06	1.02E-05	9.26E-06	4.23E-06	3.99E-06	1.91E-07	4.60E-06	1.02E-06	1.39E-06	2.20E-06	3.88E-07	2.63E-07	1.00E-05	5.20E-06	2.21E-06	2.60E-06	1.02E-06	5.20E-06	2.21E-06
6031	480347.85	3851232.36	1.63E-02	1.66E-02	1.57E-02	5.63E-06	1.70E-05	9.83E-06	1.01E-05	9.13E-06	4.17E-06	3.93E-06	1.88E-07	4.54E-06	1.00E-06	1.37E-06	2.17E-06	3.82E-07	2.59E-07	9.91E-06	5.13E-06	2.18E-06	2.56E-06	1.01E-06	5.13E-06	2.18E-06
6032	480260	3851189.72	1.60E-02	1.64E-02	1.55E-02	5.55E-06	1.67E-05	9.69E-06	9.93E-06	9.00E-06	4.11E-06	3.87E-06	1.85E-07	4.47E-06	9.87E-07	1.35E-06	2.14E-06	3.77E-07	2.56E-07	9.76E-06	5.06E-06	2.15E-06	2.52E-06	9.91E-07	5.06E-06	2.15E-06
6033	480172.15	3851147.07	1.58E-02	1.62E-02	1.53E-02	5.48E-06	1.65E-05	9.57E-06	9.80E-06	8.89E-06	4.06E-06	3.83E-06	1.83E-07	4.42E-06	9.75E-07	1.33E-06	2.11E-06	3.72E-07	2.52E-07	9.64E-06	4.99E-06	2.12E-06	2.49E-06	9.79E-07	4.99E-06	2.12E-06
6034	480084.29	3851104.42	1.56E-02	1.60E-02	1.51E-02	5.41E-06	1.63E-05	9.46E-06	9.69E-06	8.78E-06	4.01E-06	3.78E-06	1.81E-07	4.36E-06	9.63E-07	1.32E-06	2.09E-06	3.68E-07	2.49E-07	9.53E-06	4.93E-06	2.09E-06	2.46E-06	9.67E-07	4.93E-06	2.09E-06
6035	479996.44	3851061.77	1.55E-02	1.59E-02	1.50E-02	5.36E-06	1.62E-05	9.37E-06	9.60E-06	8.70E-06	3.97E-06	3.74E-06	1.79E-07	4.32E-06	9.54E-07	1.30E-06	2.07E-06	3.64E-07	2.47E-07	9.44E-06	4.89E-06	2.07E-06	2.44E-06	9.58E-07	4.89E-06	2.07E-06
6036	479908.58	3851019.13	1.57E-02	1.61E-02	1.52E-02	5.45E-06	1.64E-05	9.52E-06	9.75E-06	8.84E-06	4.03E-06	3.80E-06	1.82E-07	4.39E-06	9.70E-07	1.32E-06	2.10E-06	3.70E-07	2.51E-07	9.59E-06	4.97E-06	2.11E-06	2.48E-06	9.74E-07	4.97E-06	2.11E-06
6037	479820.73	3850976.48	1.56E-02	1.59E-02	1.50E-02	5.39E-06	1.63E-05	9.42E-06	9.65E-06	8.74E-06	3.99E-06	3.76E-06	1.80E-07	4.35E-06	9.59E-07	1.31E-06	2.08E-06	3.66E-07	2.48E-07	9.49E-06	4.91E-06	2.08E-06	2.45E-06	9.63E-07	4.91E-06	2.08E-06
6038	479732.88	3850933.83	1.54E-02	1.58E-02	1.49E-02	5.34E-06	1.61E-05	9.33E-06	9.56E-06	8.66E-06	3.95E-06	3.73E-06	1.78E-07	4.31E-06	9.50E-07	1.30E-06	2.06E-06	3.63E-07	2.46E-07	9.40E-06	4.87E-06	2.06E-06	2.43E-06	9.54E-07	4.87E-06	2.06E-06
6039	479645.02	3850891.18	1.54E-02	1.57E-02	1.49E-02	5.32E-06	1.61E-05	9.30E-06	9.53E-06	8.64E-06	3.94E-06	3.72E-06	1.78E-07	4.29E-06	9.47E-07	1.29E-06	2.05E-06	3.62E-07	2.45E-07	9.37E-06	4.85E-06	2.06E-06	2.42E-06	9.51E-07	4.85E-06	2.06E-06
6040	479557.17	3850848.54	1.53E-02	1.56E-02	1.47E-02	5.28E-06	1.59E-05	9.23E-06	9.46E-06	8.57E-06	3.91E-06	3.69E-06	1.76E-07	4.26E-06	9.40E-07	1.28E-06	2.04E-06	3.59E-07	2.43E-07	9.30E-06	4.82E-06	2.04E-06	2.40E-06	9.44E-07	4.82E-06	2.04E-06
6041	479469.32	3850805.89	1.54E-02	1.58E-02	1.49E-02	5.34E-06	1.61E-05	9.33E-06	9.55E-06	8.66E-06	3.95E-06	3.73E-06	1.78E-07	4.30E-06	9.50E-07	1.30E-06	2.06E-06	3.63E-07	2.46E-07	9.40E-06	4.87E-06	2.06E-06	2.43E-06	9.54E-07	4.87E-06	2.06E-06
6042	479381.46	3850763.24	1.53E-02	1.57E-02	1.48E-02	5.29E-06	1.60E-05	9.25E-06	9.47E-06	8.59E-06	3.92E-06	3.70E-06	1.77E-07	4.27E-06	9.42E-07	1.29E-06	2.04E-06	3.60E-07	2.44E-07	9.31E-06	4.82E-06	2.05E-06	2.41E-06	9.46E-07	4.82E-06	2.05E-06
6043	479293.61	3850720.59	1.50E-02	1.54E-02	1.45E-02	5.20E-06	1.57E-05	9.09E-06	9.31E-06	8.44E-06	3.85E-06	3.63E-06	1.74E-07	4.19E-06	9.26E-07	1.26E-06	2.01E-06	3.53E-07	2.40E-07	9.16E-06	4.74E-06	2.01E-06	2.37E-06	9.30E-07	4.74E-06	2.01E-06
6044	479205.76	3850677.95	1.48E-02	1.52E-02	1.43E-02	5.14E-06	1.55E-05	8.98E-06	9.19E-06	8.33E-06	3.80E-06	3.59E-06	1.71E-07	4.14E-06	9.14E-07	1.25E-06	1.98E-06	3.49E-07	2.37E-07	9.04E-06	4.68E-06	1.99E-06	2.34E-06	9.18E-07	4.68E-06	1.99E-06
6045	479117.9	3850635.3	1.44E-02	1.47E-02	1.39E-02	4.97E-06	1.50E-05	8.69E-06	8.90E-06	8.07E-06	3.68E-06	3.47E-06	1.66E-07	4.01E-06	8.85E-07	1.21E-06	1.92E-06	3.38E-07	2.29E-07	8.75E-06	4.53E-06	1.92E-06	2.26E-06	8.89E-07	4.53E-06	1.92E-06
6046	479030.05	3850592.65	1.40E-02	1.43E-02	1.35E-02	4.83E-06	1.46E-05	8.44E-06	8.65E-06	7.84E-06	3.58E-06	3.37E-06	1.61E-07	3.90E-06	8.60E-07	1.17E-06	1.86E-06	3.28E-07	2.23E-07	8.50E-06	4.40E-06	1.87E-06	2.20E-06	8.64E-07	4.40E-06	1.87E-06
6047	478942.19	3850550	1.42E-02	1.45E-02	1.37E-02	4.91E-06	1.48E-05	8.59E-06	8.80E-06	7.98E-06	3.64E-06	3.43E-06	1.64E-07	3.96E-06	8.75E-07	1.19E-06	1.89E-06	3.34E-07	2.26E-07	8.65E-06	4.48E-06	1.90E-06	2.24E-06	8.79E-07	4.48E-06	1.90E-06
6048	478854.34	3850507.36	1.52E-02	1.55E-02	1.47E-02	5.25E-06	1.59E-05	9.18E-06	9.40E-06	8.52E-06	3.89E-06	3.67E-06	1.75E-07	4.23E-06	9.34E-07	1.28E-06	2.02E-06	3.57E-07	2.42E-07	9.24E-06	4.79E-06	2.03E-06	2.39E-06	9.39E-07	4.79E-06	2.03E-06
6049	478766.49	3850464.71	1.52E-02	1.56E-02	1.47E-02	5.27E-06	1.59E-05	9.21E-06	9.44E-06	8.55E-06	3.90E-06	3.68E-06	1.76E-07	4.25E-06	9.38E-07	1.28E-06	2.03E-06	3.58E-07	2.43E-07	9.28E-06	4.81E-06	2.04E-06	2.40E-06	9.42E-07	4.81E-06	2.04E-06
6050	478678.63	3850422.06	1.52E-02	1.56E-02	1.47E-02	5.26E-06	1.59E-05	9.20E-06	9.42E-06	8.54E-06	3.90E-06	3.68E-06	1.76E-07	4.25E-06	9.37E-07	1.28E-06	2.03E-06	3.58E-07	2.43E-07	9.27E-06	4.80E-06	2.04E-06	2.40E-06	9.41E-07	4.80E-06	2.04E-06
6051	478590.78	3850379.41	1.52E-02	1.56E-02	1.47E-02	5.27E-06	1.59E-05	9.22E-06	9.44E-06	8.56E-06	3.91E-06	3.68E-06	1.76E-07	4.25E-06	9.39E-07	1.28E-06	2.03E-06	3.58E-07	2.43E-07	9.29E-06	4.81E-06	2.04E-06	2.40E-06	9.43E-07	4.81E-06	2.04E-06
6052	478502.93	3850336.77	1.52E-02	1.56E-02	1.47E-02	5.26E-06	1.59E-05	9.20E-06	9.42E-06	8.54E-06	3.90E-06	3.68E-06	1.76E-07	4.24E-06	9.37E-07	1.28E-06	2.03E-06	3.58E-07	2.42E-07	9.27E-06	4.80E-06	2.04E-06	2.39E-06	9.41E-07	4.80E-06	2.04E-06
6053	478415.07	3850294.12	1.51E-02	1.54E-02	1.45E-02	5.21E-06	1.57E-05	9.11E-06	9.33E-06	8.46E-06	3.86E-06	3.64E-06	1.74E-07	4.20E-06	9.28E-07	1.27E-06	2.01E-06	3.54E-07	2.40E-07	9.18E-06	4.75E-06	2.02E-06	2.37E-06	9.32E-07	4.75E-06	2.02E-06
6054	478327.22	3850251.47	1.51E-02	1.55E-02	1.46E-02	5.24E-06	1.58E-05	9.17E-06	9.39E-06	8.51E-06	3.88E-06	3.66E-06	1.75E-07	4.23E-06	9.33E-07	1.27E-06	2.02E-06	3.56E-07	2.42E-07	9.23E-06	4.78E-06	2.03E-06	2.39E-06	9.38E-07	4.78E-06	2.03E-06
6055	478239.36	3850208.82	1.52E-02	1.55E-02	1.47E-02	5.25E-06	1.59E-05	9.18E-06	9.40E-06	8.52E-06	3.89E-06	3.67E-06	1.75E-07	4.23E-06	9.34E-07	1.28E-06	2.02E-06	3.57E-07	2.42E-07	9.24E-06	4.79E-06	2.03E-06	2.39E-06	9.39E-07	4.79E-06	2.03E-06
6056	478151.51	3850166.18	1.51E-02	1.55E-02	1.46E-02	5.24E-06	1.58E-05	9.16E-06	9.38E-06	8.51E-06	3.88E-06	3.66E-06	1.75E-07	4.23E-06	9.33E-07	1.27E-06	2.02E-06	3.56E-07	2.41E-07	9.23E-06	4.78E-06	2.03E-06	2.39E-06	9.37E-07	4.78E-06	2.03E-06
6057	478063.66	3850123.53	1.51E-02	1.54E-02	1.46E-02	5.22E-06	1.58E-05	9.12E-06	9.34E-06	8.47E-06	3.86E-06	3.65E-06	1.74E-07	4.21E-06	9.29E-07	1.27E-06	2.01E-06	3.55E-07	2.40E-07	9.19E-06	4.76E-06	2.02E-06	2.38E-06	9.33E-07	4.76E-06	2.02E-06
6058	477975.8	3850080.88	1.47E-02	1.51E-02	1.42E-02	5.09E-06	1.54E-05	8.90E-06	9.12E-06	8.27E-06	3.77E-06	3.56E-06	1.70E-07	4.11E-06	9.07E-07	1.24E-06	1.96E-06	3.46E-07	2.35E-07	8.97E-06	4.64E-06	1.97E-06	2.32E-06	9.11E-07	4.64E-06	1.97E-06
6059	477887.95	3850038.23	1.46E-02	1.50E-02	1.41E-02	5.07E-06	1.53E-05	8.86E-06	9.07E-06	8.23E-06	3.75E-06	3.54E-06	1.69E-07	4.09E-06	9.02E-07	1.23E-06	1.95E-06	3.44E-07	2.34E-07	8.92E-06	4.62E-06	1.96E-06	2.31E-06	9.06E-07	4.62E-06	1.96E-06
6060	477800.1	3849995.59	1.44E-02	1.48E-02	1.39E-02	4.99E-06	1.51E-05	8.73E-06	8.94E-06	8.10E-06	3.70E-06	3.49E-06	1.67E-07	4.03E-06	8.89E-07	1.21E-06	1.93E-06	3.39E-07	2.30E-07	8.79E-06	4.55E-06	1.93E-06	2.27E-06	8.93E-07	4.55E-06	1.93E-06
6061	477712.24	3849952.94	1.45E-02	1.48E-02	1.40E-02	5.01E-06	1.51E-05	8.76E-06	8.97E-06	8.14E-06	3.71E-06	3.50E-06	1.67E-07	4.04E-06	8.92E-07	1.22E-06	1.93E-06	3.41E-07	2.31E-07	8.83E-06	4.57E-06	1.94E-06	2.28E-06	8.96E-07	4.57E-06	1.94E-06
6062	477624.39	3849910.29	1.45E-02	1.48E-02	1.40E-02	5.01E-06	1.51E-05	8.76E-06	8.97E-06	8.13E-06	3.71E-06	3.50E-06	1.67E-07	4.04E-06	8.92E-07	1.22E-06	1.93E-06	3.40E-07	2.31E-07	8.82E-06	4.57E-06	1.94E-06	2.28E-06	8.95E-07	4.57E-06	1.94E-06
6063	477536.54	3849867.64	1.43E-02	1.46E-02	1.38E-02	4.94E-06	1.49E-05	8.64E-06	8.84E-06	8.02E-06	3.66E-06	3.45E-06	1.65E-07	3.98E-06	8.79E-07	1.20E-06	1.90E-06	3.36E-07	2.28E-07	8.70E-06	4.50E-06	1.91E-06	2.25E-06	8.83E-07	4.50E-06	1.91E-06
6064	477448.68	3849825	1.42E-02	1.46E-02	1.37E-02	4.92E-06	1.49E-05	8.60E-06	8.81E-06	7.99E-06	3.64E-06	3.44E-06	1.64E-07	3.97E-06	8.76E-07	1.20E-06	1.90E-06	3.34E-07	2.27E-07	8.66E-06	4.49E-06	1.90E-06	2.24E-06	8.80E-07	4.49E-06	1.90E-06
6065	477360.83	3849782.35	1.41E-02	1.44E-02	1.36E-02	4.88E-06	1.47E-05	8.52E-06	8.73E-06	7.91E-06	3.61E-06	3.41E-06	1.63E-07	3.93E-06	8.68E-07	1.19E-06	1.88E-06	3.31E-07	2.25E-07	8.58E-06	4.45E-06	1.89E-06	2.22E-06	8.72E-07	4.45E-06	1.89E-06
6066	477272.97	3849739.7	1.39E-02	1.42E-02	1.34E-02	4.80E-06	1.45E-05	8.40E-06	8.60E-06	7.80E-06	3.56E-06	3.36E-06	1.60E-07	3.87E-06	8.55E-07	1.17E-06	1.85E-06	3.26E-07	2.21E-07	8.46E-06	4.38E-06	1.86E-06	2.19E-06	8.59E-07	4.38E-06	1.86E-06
6067	477185.12	3849697.05	1.38E-02	1.42E-02	1.34E-02	4.78E-06	1.44E-05	8.36E-06	8.57E-06	7.76E-06	3.54E-06	3.34E-06	1.60E-07	3.86E-06	8.52E-07	1.16E-06	1.84E-06	3.25E-07	2.20E-07	8.42E-06	4.36E-06	1.85E-06	2.18E-06	8.55E-07	4.36E-06	1.85E-06
6068	477097.27	3849654.41	1.40E-02	1.43E-02	1.35E-02	4.84E-06	1.46E-05	8.46E-06	8.67E-06	7.86E-06	3.59E-06	3.38E-06	1.62E-07	3.91E-06	8.62E-07	1.18E-06	1.87E-06	3.29E-07	2.23E-07	8.52E-06	4.41E-06	1.87E-06	2.20E-06	8.66E-07	4.41E-06	1.87E-06
6069	477009.41	3849611.76	1.44E-02	1.48E-02	1.39E-02	5.00E-06	1.51E-05	8.73E-06	8.95E-06	8.11E-06	3.70E-06	3.49E-06	1.67E-07	4.03E-06	8.89E-07	1.21E-06	1.93E-06	3.40E-07	2.30E-07	8.80E-06	4.56E-06	1.93E-06	2.27E-06	8.93E-07	4.56E-06	1.93E-06
6070	476841.49	3849530.08	1.46E-02	1.49E-02	1.41E-02	5.04E-06	1.52E-05	8.81E-06	9.02E-06	8.18E-06	3.73E-06	3.52E-06	1.68E-07	4.06E-06	8.97E-07	1.22E-06	1.94E-06	3.42E-07	2.32E-07	8.87E-06	4.59E-06	1.95E-06	2.29E-06	9.01E-07	4.59E-06	1.95E-06
6071	476761.41	3849491.05	1.45E-02	1.49E-02	1.41E-02	5.03E-06	1.52E-05	8.80E-06	9.01E-06	8.17E-06	3.73E-06	3.52E-06	1.68E-07	4.06E-06	8.96E-07	1.22E-06	1.94E-06	3.42E-07	2.32E-07	8.86E-06	4.59E-06	1.95E-06	2.29E-06	9.00E-07	4.59E-06	1.95E-06
6072	476681.34	3849452.02	1.49E-02	1.53E-02	1.44E-02	5.16E-06	1.56E-05	9.02E-06	9.24E-06	8.38E-06	3.82E-06	3.61E-06	1.72E-07	4.16E-06	9.19E-07	1.25E-06	1.99E-06	3.51E-07	2.38E-07	9.09E-06	4.71E-06	2.00E-06	2.35E-06	9.23E-07	4.71E-06	2.00E-06
6073	476601.26	3849412.99	1.57E-02	1.60E-02	1.51E-02	5.42E-06	1.64E-05	9.47E-06	9.70E-06	8.80E-06	4.01E-06	3.79E-06	1.81E-07	4.37E-06	9.65E-07	1.32E-06	2.09E-06	3.68E-07	2.50E-07	9.54E-06	4.94E-06	2.10E-06	2.47E-06	9.69E-07	4.94E-06	2.10E-06
6074	476456.32	3849353.67	1.80E-02	1.85E-02	1.74E-02	6.24E-06	1.88E-05	1.09E-05	1.12E-05	1.01E-05	4.62E-06	4.36E-06	2.08E-07	5.03E-06	1.11E-06	1.52E-06	2.41E-06	4.24E-07	2.87E-07	1.10E-05	5.69E-06	2.41E-06	2.84E-06	1.12E-06	5.69E-06	2.41E-06
6075	476305.43	3849318.83	1.72E-02	1.76E-02	1.66E-02	5.96E-06	1.80E-05	1.04E-05	1.07E-05	9.68E-06	4.42E-06	4.16E-06	1.99E-07	4.81E-06	1.06E-06	1.45E-06	2.30E-06	4.05E-07	2.75E-07	1.05E-05	5.44E-06	2.31E-06	2.71E-06	1.07E-06	5.44E-06	2.31E-06
6076	476129.36	3849289.99	1.56E-02	1.60E-02	1.51E-02	5.41E-06	1.63E-05	9.46E-06	9.69E-06	8.78E-06	4.01E-06	3.78E-06	1.81E-07	4.37E-06	9.63E-07	1.32E-06	2.09E-06	3.68E-07	2.49E-07	9.53E-06	4.93E-06	2.09E-06	2.46E-06	9.68E-07	4.93E-06	2.09E-06

6077	476039.31	3849275.68	1.51E-02	1.54E-02	1.46E-02	5.22E-06	1.58E-05	9.12E-06	9.34E-06	8.47E-06	3.87E-06	3.65E-06	1.74E-07	4.21E-06	9.29E-07	1.27E-06	2.01E-06	3.55E-07	2.40E-07	9.19E-06	4.76E-06	2.02E-06	2.38E-06	9.33E-07	4.76E-06	2.02E-06
6078	475949.26	3849261.38	1.53E-02	1.57E-02	1.48E-02	5.29E-06	1.60E-05	9.25E-06	9.47E-06	8.58E-06	3.92E-06	3.69E-06	1.77E-07	4.27E-06	9.42E-07	1.29E-06	2.04E-06	3.59E-07	2.44E-07	9.31E-06	4.82E-06	2.05E-06	2.41E-06	9.46E-07	4.82E-06	2.05E-06
6079	475859.21	3849247.08	1.45E-02	1.48E-02	1.40E-02	5.01E-06	1.51E-05	8.76E-06	8.97E-06	8.13E-06	3.71E-06	3.50E-06	1.67E-07	4.04E-06	8.92E-07	1.22E-06	1.93E-06	3.41E-07	2.31E-07	8.83E-06	4.57E-06	1.94E-06	2.28E-06	8.96E-07	4.57E-06	1.94E-06
6080	475769.16	3849232.77	1.39E-02	1.42E-02	1.34E-02	4.80E-06	1.45E-05	8.40E-06	8.60E-06	7.80E-06	3.56E-06	3.36E-06	1.60E-07	3.88E-06	8.55E-07	1.17E-06	1.85E-06	3.26E-07	2.21E-07	8.46E-06	4.38E-06	1.86E-06	2.19E-06	8.59E-07	4.38E-06	1.86E-06
6081	475585.22	3849219.27	8.08E-03	8.28E-03	7.81E-03	2.80E-06	8.45E-06	4.89E-06	5.01E-06	4.54E-06	2.07E-06	1.95E-06	9.34E-08	2.26E-06	4.98E-07	6.80E-07	1.08E-06	1.90E-07	1.29E-07	4.93E-06	2.55E-06	1.08E-06	1.27E-06	5.00E-07	2.55E-06	1.08E-06
6082	475444.49	3849150.34	1.59E-02	1.63E-02	1.54E-02	5.52E-06	1.67E-05	9.65E-06	9.88E-06	8.96E-06	4.09E-06	3.86E-06	1.84E-07	4.45E-06	9.83E-07	1.34E-06	2.13E-06	3.75E-07	2.54E-07	9.72E-06	5.03E-06	2.14E-06	2.51E-06	9.87E-07	5.03E-06	2.14E-06
6083	475334.17	3849118.71	1.33E-02	1.36E-02	1.28E-02	4.59E-06	1.39E-05	8.03E-06	8.23E-06	7.46E-06	3.40E-06	3.21E-06	1.53E-07	3.71E-06	8.18E-07	1.12E-06	1.77E-06	3.12E-07	2.12E-07	8.09E-06	4.19E-06	1.78E-06	2.09E-06	8.21E-07	4.19E-06	1.78E-06
6084	475230.46	3849060.57	1.56E-02	1.60E-02	1.51E-02	5.40E-06	1.63E-05	9.45E-06	9.68E-06	8.77E-06	4.00E-06	3.77E-06	1.80E-07	4.36E-06	9.62E-07	1.31E-06	2.08E-06	3.67E-07	2.49E-07	9.52E-06	4.93E-06	2.09E-06	2.46E-06	9.66E-07	4.93E-06	2.09E-06
6085	475110.86	3848960.97	1.80E-02	1.84E-02	1.74E-02	6.23E-06	1.88E-05	1.09E-05	1.12E-05	1.01E-05	4.62E-06	4.36E-06	2.08E-07	5.03E-06	1.11E-06	1.52E-06	2.40E-06	4.24E-07	2.87E-07	1.10E-05	5.68E-06	2.41E-06	2.84E-06	1.11E-06	5.68E-06	2.41E-06
6086	475037.79	3848896.28	1.89E-02	1.93E-02	1.82E-02	6.54E-06	1.97E-05	1.14E-05	1.17E-05	1.06E-05	4.84E-06	4.57E-06	2.18E-07	5.27E-06	1.16E-06	1.59E-06	2.52E-06	4.44E-07	3.01E-07	1.15E-05	5.96E-06	2.53E-06	2.97E-06	1.17E-06	5.96E-06	2.53E-06
6087	474964.72	3848831.59	1.97E-02	2.01E-02	1.90E-02	6.81E-06	2.06E-05	1.19E-05	1.22E-05	1.10E-05	5.04E-06	4.75E-06	2.27E-07	5.49E-06	1.21E-06	1.65E-06	2.62E-06	4.63E-07	3.14E-07	1.20E-05	6.21E-06	2.63E-06	3.10E-06	1.22E-06	6.21E-06	2.63E-06
6088	474891.65	3848766.9	2.01E-02	2.06E-02	1.95E-02	6.97E-06	2.10E-05	1.22E-05	1.25E-05	1.13E-05	5.16E-06	4.87E-06	2.33E-07	5.62E-06	1.24E-06	1.69E-06	2.69E-06	4.74E-07	3.21E-07	1.23E-05	6.35E-06	2.70E-06	3.17E-06	1.25E-06	6.35E-06	2.70E-06
6089	474818.58	3848702.22	2.09E-02	2.14E-02	2.02E-02	7.25E-06	2.19E-05	1.27E-05	1.30E-05	1.18E-05	5.37E-06	5.06E-06	2.42E-07	5.85E-06	1.29E-06	1.76E-06	2.79E-06	4.93E-07	3.34E-07	1.28E-05	6.61E-06	2.80E-06	3.30E-06	1.30E-06	6.61E-06	2.80E-06
6090	474745.51	3848637.53	2.02E-02	2.07E-02	1.95E-02	7.00E-06	2.11E-05	1.22E-05	1.25E-05	1.14E-05	5.18E-06	4.89E-06	2.34E-07	5.65E-06	1.25E-06	1.70E-06	2.70E-06	4.76E-07	3.23E-07	1.23E-05	6.38E-06	2.71E-06	3.19E-06	1.25E-06	6.38E-06	2.71E-06
6091	474672.44	3848572.84	2.07E-02	2.12E-02	2.00E-02	7.17E-06	2.17E-05	1.25E-05	1.28E-05	1.16E-05	5.31E-06	5.01E-06	2.39E-07	5.78E-06	1.28E-06	1.74E-06	2.77E-06	4.87E-07	3.30E-07	1.26E-05	6.54E-06	2.77E-06	3.26E-06	1.28E-06	6.54E-06	2.77E-06
6092	474599.37	3848508.15	2.20E-02	2.25E-02	2.13E-02	7.62E-06	2.30E-05	1.33E-05	1.36E-05	1.24E-05	5.64E-06	5.32E-06	2.54E-07	6.15E-06	1.36E-06	1.85E-06	2.94E-06	5.18E-07	3.51E-07	1.34E-05	6.95E-06	2.95E-06	3.47E-06	1.36E-06	6.95E-06	2.95E-06
6093	474526.3	3848443.46	2.27E-02	2.32E-02	2.19E-02	7.85E-06	2.37E-05	1.37E-05	1.40E-05	1.27E-05	5.81E-06	5.48E-06	2.62E-07	6.33E-06	1.40E-06	1.91E-06	3.03E-06	5.33E-07	3.61E-07	1.38E-05	7.15E-06	3.04E-06	3.57E-06	1.40E-06	7.15E-06	3.04E-06

Mainline - With Project

			2028	2033	2048	Residential Dose							Risk by Age Group								Student		Worker		Park	
Rec#	X	Y	Conc	Conc	Conc	3rd	0<2	2<9 (2028)	2<9 (2033)	9<16	16<30 (2033)	16<30 (2048)	3rd	0<2	2<9 (2028)	2<9 (2033)	9<16	16<30 (2033)	16<30 (2048)	Total Risk	Dose	Risk	Dose	Risk	Dose	Risk
1	485973.61	3854937	1.11E-03	1.08E-03	1.07E-03	3.84E-07	1.16E-06	6.71E-07	6.55E-07	5.93E-07	2.71E-07	2.67E-07	1.28E-08	3.10E-07	6.83E-08	8.89E-08	1.41E-07	2.48E-08	1.76E-08	6.63E-07	3.50E-07	1.48E-07	1.75E-07	6.86E-08	3.50E-07	1.48E-07
2	486023.61	3854937	1.07E-03	1.05E-03	1.03E-03	3.71E-07	1.12E-06	6.49E-07	6.33E-07	5.74E-07	2.62E-07	2.58E-07	1.24E-08	2.99E-07	6.61E-08	8.59E-08	1.36E-07	2.40E-08	1.70E-08	6.41E-07	3.38E-07	1.44E-07	1.69E-07	6.63E-08	3.38E-07	1.44E-07
3	486073.61	3854937	1.04E-03	1.02E-03	1.00E-03	3.61E-07	1.09E-06	6.31E-07	6.15E-07	5.58E-07	2.55E-07	2.51E-07	1.20E-08	2.91E-07	6.42E-08	8.35E-08	1.33E-07	2.34E-08	1.66E-08	6.23E-07	3.29E-07	1.40E-07	1.64E-07	6.45E-08	3.29E-07	1.40E-07
4	486123.61	3854937	1.00E-03	9.79E-04	9.66E-04	3.47E-07	1.05E-06	6.07E-07	5.92E-07	5.37E-07	2.45E-07	2.42E-07	1.16E-08	2.80E-07	6.18E-08	8.04E-08	1.28E-07	2.25E-08	1.59E-08	6.00E-07	3.17E-07	1.34E-07	1.58E-07	6.21E-08	3.17E-07	1.34E-07
5	486173.61	3854937	9.83E-04	9.59E-04	9.46E-04	3.40E-07	1.03E-06	5.95E-07	5.80E-07	5.26E-07	2.40E-07	2.37E-07	1.14E-08	2.74E-07	6.06E-08	7.88E-08	1.25E-07	2.20E-08	1.56E-08	5.88E-07	3.10E-07	1.32E-07	1.55E-07	6.08E-08	3.10E-07	1.32E-07
6	486223.61	3854937	9.54E-04	9.31E-04	9.19E-04	3.30E-07	9.97E-07	5.77E-07	5.63E-07	5.11E-07	2.33E-07	2.30E-07	1.10E-08	2.66E-07	5.88E-08	7.65E-08	1.21E-07	2.14E-08	1.52E-08	5.71E-07	3.01E-07	1.28E-07	1.50E-07	5.91E-08	3.01E-07	1.28E-07
7	486273.61	3854937	9.30E-04	9.08E-04	8.96E-04	3.22E-07	9.72E-07	5.63E-07	5.49E-07	4.98E-07	2.27E-07	2.24E-07	1.08E-08	2.60E-07	5.73E-08	7.46E-08	1.18E-07	2.08E-08	1.48E-08	5.56E-07	2.94E-07	1.25E-07	1.47E-07	5.76E-08	2.94E-07	1.25E-07
8	486323.61	3854937	9.09E-04	8.87E-04	8.75E-04	3.15E-07	9.50E-07	5.50E-07	5.36E-07	4.86E-07	2.22E-07	2.19E-07	1.05E-08	2.54E-07	5.60E-08	7.28E-08	1.16E-07	2.04E-08	1.44E-08	5.43E-07	2.87E-07	1.22E-07	1.43E-07	5.62E-08	2.87E-07	1.22E-07
9	485973.61	3854987	1.15E-03	1.12E-03	1.11E-03	3.98E-07	1.20E-06	6.95E-07	6.78E-07	6.15E-07	2.81E-07	2.77E-07	1.33E-08	3.21E-07	7.08E-08	9.21E-08	1.46E-07	2.57E-08	1.83E-08	6.87E-07	3.63E-07	1.54E-07	1.81E-07	7.11E-08	3.63E-07	1.54E-07
10	486023.61	3854987	1.11E-03	1.09E-03	1.07E-03	3.85E-07	1.16E-06	6.73E-07	6.57E-07	5.96E-07	2.72E-07	2.68E-07	1.29E-08	3.11E-07	6.86E-08	8.92E-08	1.42E-07	2.49E-08	1.77E-08	6.65E-07	3.51E-07	1.49E-07	1.75E-07	6.89E-08	3.51E-07	1.49E-07
11	486073.61	3854987	1.08E-03	1.05E-03	1.04E-03	3.72E-07	1.12E-06	6.51E-07	6.35E-07	5.76E-07	2.63E-07	2.59E-07	1.24E-08	3.00E-07	6.63E-08	8.62E-08	1.37E-07	2.41E-08	1.71E-08	6.43E-07	3.40E-07	1.44E-07	1.69E-07	6.66E-08	3.40E-07	1.44E-07
12	486123.61	3854987	1.04E-03	1.02E-03	1.00E-03	3.61E-07	1.09E-06	6.30E-07	6.15E-07	5.58E-07	2.54E-07	2.51E-07	1.20E-08	2.91E-07	6.42E-08	8.35E-08	1.32E-07	2.33E-08	1.66E-08	6.23E-07	3.29E-07	1.40E-07	1.64E-07	6.45E-08	3.29E-07	1.40E-07
13	486173.61	3854987	1.02E-03	9.91E-04	9.78E-04	3.52E-07	1.06E-06	6.15E-07	6.00E-07	5.44E-07	2.48E-07	2.45E-07	1.17E-08	2.84E-07	6.26E-08	8.14E-08	1.29E-07	2.28E-08	1.61E-08	6.07E-07	3.21E-07	1.36E-07	1.60E-07	6.29E-08	3.21E-07	1.36E-07
14	486223.61	3854987	9.85E-04	9.61E-04	9.48E-04	3.41E-07	1.03E-06	5.96E-07	5.82E-07	5.27E-07	2.41E-07	2.37E-07	1.14E-08	2.75E-07	6.07E-08	7.90E-08	1.25E-07	2.21E-08	1.57E-08	5.89E-07	3.11E-07	1.32E-07	1.55E-07	6.10E-08	3.11E-07	1.32E-07
15	486273.61	3854987	9.54E-04	9.31E-04	9.18E-04	3.30E-07	9.97E-07	5.77E-07	5.63E-07	5.11E-07	2.33E-07	2.30E-07	1.10E-08	2.66E-07	5.88E-08	7.65E-08	1.21E-07	2.14E-08	1.52E-08	5.70E-07	3.01E-07	1.28E-07	1.50E-07	5.90E-08	3.01E-07	1.28E-07
16	486323.61	3854987	9.39E-04	9.16E-04	9.04E-04	3.25E-07	9.81E-07	5.68E-07	5.54E-07	5.03E-07	2.29E-07	2.26E-07	1.09E-08	2.62E-07	5.78E-08	7.53E-08	1.19E-07	2.10E-08	1.49E-08	5.61E-07	2.96E-07	1.26E-07	1.48E-07	5.81E-08	2.96E-07	1.26E-07
17	485973.61	3855037	1.19E-03	1.16E-03	1.15E-03	4.13E-07	1.25E-06	7.21E-07	7.04E-07	6.38E-07	2.91E-07	2.87E-07	1.38E-08	3.33E-07	7.35E-08	9.56E-08	1.52E-07	2.67E-08	1.90E-08	7.13E-07	3.76E-07	1.60E-07	1.88E-07	7.38E-08	3.76E-07	1.60E-07
18	486023.61	3855037	1.15E-03	1.12E-03	1.11E-03	3.99E-07	1.20E-06	6.97E-07	6.80E-07	6.17E-07	2.81E-07	2.78E-07	1.33E-08	3.22E-07	7.10E-08	9.24E-08	1.47E-07	2.58E-08	1.83E-08	6.89E-07	3.64E-07	1.54E-07	1.81E-07	7.13E-08	3.64E-07	1.54E-07
19	486073.61	3855037	1.11E-03	1.08E-03	1.07E-03	3.84E-07	1.16E-06	6.72E-07	6.56E-07	5.94E-07	2.71E-07	2.68E-07	1.28E-08	3.10E-07	6.84E-08	8.90E-08	1.41E-07	2.49E-08	1.76E-08	6.64E-07	3.50E-07	1.49E-07	1.75E-07	6.87E-08	3.50E-07	1.49E-07
20	486123.61	3855037	1.07E-03	1.05E-03	1.03E-03	3.72E-07	1.12E-06	6.50E-07	6.34E-07	5.75E-07	2.62E-07	2.59E-07	1.24E-08	3.00E-07	6.62E-08	8.61E-08	1.37E-07	2.41E-08	1.71E-08	6.43E-07	3.39E-07	1.44E-07	1.69E-07	6.65E-08	3.39E-07	1.44E-07
21	486173.61	3855037	1.05E-03	1.02E-03	1.01E-03	3.63E-07	1.10E-06	6.34E-07	6.19E-07	5.61E-07	2.56E-07	2.53E-07	1.21E-08	2.93E-07	6.46E-08	8.40E-08	1.33E-07	2.35E-08	1.67E-08	6.27E-07	3.31E-07	1.40E-07	1.65E-07	6.49E-08	3.31E-07	1.40E-07
22	486223.61	3855037	1.01E-03	9.88E-04	9.75E-04	3.51E-07	1.06E-06	6.13E-07	5.98E-07	5.42E-07	2.47E-07	2.44E-07	1.17E-08	2.83E-07	6.24E-08	8.12E-08	1.29E-07	2.27E-08	1.61E-08	6.06E-07	3.20E-07	1.36E-07	1.60E-07	6.27E-08	3.20E-07	1.36E-07
23	486273.61	3855037	9.91E-04	9.67E-04	9.54E-04	3.43E-07	1.04E-06	5.99E-07	5.85E-07	5.30E-07	2.42E-07	2.39E-07	1.15E-08	2.77E-07	6.10E-08	7.94E-08	1.26E-07	2.22E-08	1.57E-08	5.92E-07	3.13E-07	1.33E-07	1.56E-07	6.13E-08	3.13E-07	1.33E-07
24	486323.61	3855037	9.63E-04	9.40E-04	9.27E-04	3.33E-07	1.01E-06	5.83E-07	5.69E-07	5.15E-07	2.35E-07	2.32E-07	1.11E-08	2.69E-07	5.93E-08	7.72E-08	1.22E-07	2.16E-08	1.53E-08	5.76E-07	3.04E-07	1.29E-07	1.52E-07	5.96E-08	3.04E-07	1.29E-07
25	485973.61	3855087	1.24E-03	1.21E-03	1.19E-03	4.28E-07	1.29E-06	7.48E-07	7.29E-07	6.61E-07	3.02E-07	2.98E-07	1.43E-08	3.45E-07	7.61E-08	9.90E-08	1.57E-07	2.77E-08	1.96E-08	7.39E-07	3.90E-07	1.65E-07	1.95E-07	7.65E-08	3.90E-07	1.65E-07
26	486023.61	3855087	1.20E-03	1.17E-03	1.15E-03	4.14E-07	1.25E-06	7.23E-07	7.06E-07	6.40E-07	2.92E-07	2.88E-07	1.38E-08	3.34E-07	7.37E-08	9.59E-08	1.52E-07	2.68E-08	1.90E-08	7.15E-07	3.77E-07	1.60E-07	1.88E-07	7.40E-08	3.77E-07	1.60E-07
27	486073.61	3855087	1.15E-03	1.12E-03	1.11E-03	3.98E-07	1.20E-06	6.96E-07	6.79E-07	6.16E-07	2.81E-07	2.77E-07	1.33E-08	3.21E-07	7.09E-08	9.22E-08	1.46E-07	2.58E-08	1.83E-08	6.88E-07	3.63E-07	1.54E-07	1.81E-07	7.12E-08	3.63E-07	1.54E-07
28	486123.61	3855087	1.12E-03	1.09E-03	1.07E-03	3.86E-07	1.17E-06	6.76E-07	6.59E-07	5.98E-07	2.73E-07	2.69E-07	1.29E-08	3.12E-07	6.88E-08	8.95E-08	1.42E-07	2.50E-08	1.77E-08	6.68E-07	3.52E-07	1.50E-07	1.76E-07	6.91E-08	3.52E-07	1.50E-07
29	486173.61	3855087	1.08E-03	1.05E-03	1.04E-03	3.73E-07	1.13E-06	6.52E-07	6.36E-07	5.77E-07	2.63E-07	2.60E-07	1.25E-08	3.01E-07	6.64E-08	8.64E-08	1.37E-07	2.42E-08	1.71E-08	6.45E-07	3.40E-07	1.44E-07	1.70E-07	6.67E-08	3.40E-07	1.44E-07
30	486223.61	3855087	1.05E-03	1.02E-03	1.01E-03	3.63E-07	1.10E-06	6.34E-07	6.19E-07	5.61E-07	2.56E-07	2.53E-07	1.21E-08	2.93E-07	6.46E-08	8.40E-08	1.33E-07	2.35E-08	1.67E-08	6.27E-07	3.31E-07	1.40E-07	1.65E-07	6.49E-08	3.31E-07	1.40E-07
31	485973.61	3855137	1.29E-03	1.26E-03	1.24E-03	4.45E-07	1.34E-06	7.78E-07	7.60E-07	6.89E-07	3.14E-07	3.10E-07	1.49E-08	3.59E-07	7.93E-08	1.03E-07	1.64E-07	2.88E-08	2.04E-08	7.69E-07	4.06E-07	1.72E-07	2.03E-07	7.96E-08	4.06E-07	1.72E-07
32	486023.61	3855137	1.24E-03	1.21E-03	1.19E-03	4.29E-07	1.30E-06	7.50E-07	7.32E-07	6.63E-07	3.03E-07	2.99E-07	1.43E-08	3.46E-07	7.64E-08	9.94E-08	1.58E-07	2.78E-08	1.97E-08	7.41E-07	3.91E-07	1.66E-07	1.95E-07	7.67E-08	3.91E-07	1.66E-07
33	486073.61	3855137	1.19E-03	1.17E-03	1.15E-03	4.14E-07	1.25E-06	7.23E-07	7.05E-07	6.40E-07	2.92E-07	2.88E-07	1.38E-08	3.34E-07	7.36E-08	9.58E-08	1.52E-07	2.68E-08	1.90E-08	7.15E-07	3.77E-07	1.60E-07	1.88E-07	7.39E-08	3.77E-07	1.60E-07
34	486123.61	3855137	1.16E-03	1.13E-03	1.11E-03	4.00E-07	1.21E-06	6.99E-07	6.82E-07	6.18E-07	2.82E-07	2.78E-07	1.34E-08	3.23E-07	7.12E-08	9.26E-08	1.47E-07	2.59E-08	1.84E-08	6.91E-07	3.65E-07	1.55E-07	1.82E-07	7.15E-08	3.65E-07	1.55E-07
35	486173.61	3855137	1.12E-03	1.09E-03	1.08E-03	3.87E-07	1.17E-06	6.76E-07	6.59E-07	5.98E-07	2.73E-07	2.69E-07	1.29E-08	3.12E-07	6.88E-08	8.95E-08	1.42E-07	2.50E-08	1.78E-08	6.68E-07	3.52E-07	1.50E-07	1.76E-07	6.91E-08	3.52E-07	1.50E-07
36	486223.61	3855137	1.08E-03	1.06E-03	1.04E-03	3.75E-07	1.13E-06	6.55E-07	6.39E-07	5.79E-07	2.64E-07	2.61E-07	1.25E-08	3.02E-07	6.67E-08	8.67E-08	1.38E-07	2.43E-08	1.72E-08	6.47E-07	3.41E-07	1.45E-07	1.70E-07	6.70E-08	3.41E-07	1.45E-07
37	485973.61	3855187	1.34E-03	1.31E-03	1.29E-03	4.64E-07	1.40E-06	8.11E-07	7.91E-07	7.17E-07	3.27E-07	3.23E-07	1.55E-08	3.74E-07	8.26E-08	1.07E-07	1.70E-07	3.00E-08	2.13E-08	8.02E-07	4.23E-07	1.80E-07	2.11E-07	8.30E-08	4.23E-07	1.80E-07
38	486023.61	3855187	1.29E-03	1.26E-03	1.24E-03	4.47E-07	1.35E-06	7.81E-07	7.62E-07	6.91E-07	3.15E-07	3.11E-07	1.49E-08	3.61E-07	7.95E-08	1.03E-07	1.64E-07	2.89E-08	2.05E-08	7.72E-07	4.07E-07	1.73E-07	2.03E-07	7.99E-08	4.07E-07	1.73E-07
39	486073.61	3855187	1.24E-03	1.21E-03	1.19E-03	4.29E-07	1.30E-06	7.50E-07	7.32E-07	6.63E-07	3.03E-07	2.99E-07	1.43E-08	3.46E-07	7.64E-08	9.93E-08	1.58E-07	2.78E-08	1.97E-08	7.41E-07	3.91E-07	1.66E-07	1.95E-07	7.67E-08	3.91E-07	1.66E-07
40	486123.61	3855187	1.19E-03	1.16E-03	1.15E-03	4.12E-07	1.25E-06	7.21E-07	7.04E-07	6.38E-07	2.91E-07	2.87E-07	1.38E-08	3.33E-07	7.34E-08	9.55E-08	1.52E-07	2.67E-08	1.89E-08	7.13E-07	3.76E-07	1.60E-07	1.88E-07	7.37E-08	3.76E-07	1.60E-07
41	486173.61	3855187	1.15E-03	1.12E-03	1.11E-03	3.99E-07	1.20E-06	6.97E-07	6.80E-07	6.17E-07	2.81E-07	2.78E-07	1.33E-08	3.22E-07	7.10E-08	9.24E-08	1.47E-07	2.58E-08	1.83E-08	6.89E-07	3.64E-07	1.54E-07	1.81E-07	7.13E-08	3.64E-07	1.54E-07
42	486223.61	3855187	1.12E-03	1.09E-03	1.07E-03	3.86E-07	1.17E-06	6.75E-07	6.58E-07	5.97E-07	2.72E-07	2.69E-07	1.29E-08	3.11E-07	6.87E-08	8.94E-08	1.42E-07	2.50E-08	1.77E-08	6.67E-07	3.52E-07	1.49E-07	1.76E-07	6.90E-08	3.52E-07	1.49E-07
43	486273.61	3855187	1.08E-03	1.05E-03	1.04E-03	3.74E-07	1.13E-06	6.53E-07	6.37E-07	5.78E-07	2.64E-07	2.60E-07	1.25E-08	3.01E-07	6.65E-08	8.65E-08	1.37E-07	2.42E-08	1.72E-08	6.46E-07	3.41E-07	1.45E-07	1.70E-07	6.68E-08	3.41E-07	1.45E-07
44	486323.61	3855187	1.06E-03	1.04E-03	1.02E-03	3.68E-07	1.11E-06	6.42E-07	6.27E-07	5.68E-07	2.59E-07	2.56E-07	1.23E-08	2.96E-07	6.54E-08	8.51E-08	1.35E-07	2.38E-08	1.69E-08	6.35E-07	3.35E-07	1.42E-07	1.67E-07	6.57E-08	3.35E-07	1.42E-07
45	485973.61	3855237	1.40E-03	1.36E-03	1.34E-03	4.83E-07	1.46E-06	8.44E-07	8.24E-07	7.47E-07	3.41E-07	3.36E-07	1.61E-08	3.90E-07	8.60E-08	1.12E-07	1.77E-07	3.13E-08	2.22E-08	8.35E-07	4.40E-07	1.87E-07	2.20E-07	8.64E-08	4.40E-07	1.87E-07
46	486023.61	3855237	1.34E-03	1.30E-03	1.29E-03	4.63E-07	1.40E-06	8.09E-07	7.90E-07	7.16E-07	3.27E-07	3.22E-07	1.55E-08	3.73E-07	8.24E-08	1.07E-07	1.70E-07	3.00E-08	2.13E-08	8.00E-07	4.22E-07	1.79E-07	2.11E-07	8.28E-08	4.22E-07	1.79E-07
47	486073.61	3855237	1.28E-03	1.25E-03	1.23E-03	4.43E-07	1.34E-06	7.75E-07	7.56E-07	6.85E-07	3.13E-07	3.09E-07	1.48E-08	3.58E-07	7.89E-08	1.03E-07	1.63E-07	2.87E-08	2.04E-08	7.66E-07	4.04E-07	1.72E-07	2.02E-07	7.93E-08	4.04E-07	1.72E-07
48	486123.61	3855237	1.23E-03	1.20E-03	1.19E-03	4.27E-07	1.29E-06	7.47E-07	7.29E-07	6.61E-07	3.01E-07	2.97E-07	1.43E-08	3.45E-07	7.60E-08	9.89E-08	1.57E-07	2.77E-08	1.96E-08	7.38E-07	3.90E-07	1.65E-07	1.94E-07	7.64E-08	3.90E-07	1.65E-07
49	486173.61	3855237	1.19E-03	1.16E-03	1.15E-03	4.12E-07	1.25E-06	7.21E-07	7.04E-07	6.38E-07	2.91E-07	2.87E-07	1.38E-08	3.33E-07	7.34E-08	9.55E-08	1.52E-07	2.67E-08	1.89E-08	7.13E-07	3.76E-07	1.60E-07	1.88E-07	7.37E-08	3.76E-07	1.60E-07
50	486223.61	3855237	1.15E-03	1.12E-03	1.11E-03	3.98E-07	1.20E-06	6.96E-07	6.79E-07	6.16E-07	2.81E-07	2.77E-07	1.33E-08	3.21E-07	7.09E-08	9.22E-08	1.46E-07	2.58E-08	1.83E-08	6.88E-07	3.63E-07	1.54E-07	1.81E-07	7.12E-08	3.63E-07	1.54E-07
51	486273.61	3855237	1.10E-03	1.08E-03	1.06E-03	3.82E-07	1.15E-06	6.68E-07	6.52E-07	5.91E-07	2.70E-07	2.66E-07	1.28E-08	3.08E-07	6.81E-08	8.86E-08	1.40E-07	2.48E-08	1.76E-08	6.61E-07	3.49E-07	1.48E-07	1.74E-07	6.84E-08	3.49E-07	1.48E-07
52	486323.61	3855237	1.09E-03	1.07E-03	1.05E-03	3.79E-07	1.14E-06	6.62E-07	6.46E-07	5.85E-07	2.67E-07	2.64E-07	1.26E-08	3.05E-07	6.74E-08	8.77E-08	1.39E-07	2.45E-08	1.74E-08	6.54E-07	3.45E-07	1.46E-07	1.72E-07	6.77E-08	3.45E-07	1.46E-07
53	485973.61	3855287	1.45E-03	1.42E-03	1.40E-03	5.03E-07	1.52E-06	8.80E-07	8.59E-07	7.78E-07	3.55E-07	3.50E-07	1.68E-08	4.06E-07	8.96E-08	1.17E-07	1.85E-07	3.26E-08	2.31E-08	8.70E-07	4.59E-07	1.95E-07	2.29E-07	9.00E-08	4.59E-07	1.95E-07
54	486023.61	3855287	1.39E-03	1.36E-03	1.34E-03	4.81E-07	1.45E-06	8.40E-07	8.20E-07	7.43E-07	3.39E-07	3.35E-07	1.61E-08	3.88E-07	8.56E-08	1.11E-07	1.77E-07	3.11E-08	2.21E-08	8.30E-07	4.38E-07	1.86E-07	2.19E-07	8.59E-08	4.38E-07	1.86E-07
55	486073.61	3855287	1.33E-03	1.30E-03	1.28E-03	4.61E-07	1.39E-06	8.05E-07	7.86E-07	7.12E-07	3.25E-07	3.21E-07	1.54E-08	3.72E-07	8.20E-08	1.07E-07	1.69E-07	2.98E-08	2.12E-08	7.96E-07	4.20E-07	1.78E-07	2.10E-07	8.24E-08	4.20E-07	1.78E-07
56	486123.61	3855287	1.28E-03	1.25E-03	1.23E-03	4.42E-07	1.33E-06	7.72E-07	7.54E-07	6.83E-07	3.12E-07	3.08E-07	1.48E-08	3.56E-07	7.87E-08	1.02E-07	1.62E-07	2.86E-08	2.03E-08	7.63E-07	4.03E-07	1.71E-07	2.01E-07	7.90E-08	4.03E-07	1.71E-07
57	486173.61	3855287	1.23E-03	1.20E-03	1.18E-03	4.25E-07	1.28E-06	7.43E-07	7.25E-07	6.57E-07	3.00E-07	2.96E-07	1.42E-08	3.43E-07	7.57E-08	9.84E-08	1.56E-07	2.75E-08	1.95E-08	7.34E-07	3.88E-07	1.64E-07	1.93E-07	7.60E-08	3.88E-07	1.64E-07
58	486223.61	3855287	1.19E-03	1.16E-03	1.14E-03	4.11E-07	1.24E-06	7.19E-07	7.01E-07	6.36E-07	2.90E-07	2.86E-07	1.37E-08	3.32E-07	7.32E-08	9.52E-08	1.51E-07	2.66E-08	1.89E-08	7.10E-07	3.75E-07	1.59E-07	1.87E-07	7.35E-08	3.75E-07	1.59E-07
59	486123.61	3855337	1.32E-03	1.29E-03	1.27E-03	4.57E-07	1.38E-06	8.00E-07	7.80E-07	7.07E-07	3.23E-07	3.18E-07	1.53E-08	3.69E-07	8.14E-08	1.06E-07	1.68E-07	2.96E-08	2.10E-08	7.90E-07	4.17E-07	1.77E-07	2.08E-07	8.18E-08	4.17E-07	1.77E-07
60	486173.61	3855337	1.27E-03	1.24E-03	1.23E-03	4.41E-07	1.33E-06	7.70E-07	7.52E-07	6.81E-07	3.11E-07	3.07E-07	1.47E-08	3.55E-07	7.84E-08	1.02E-07	1.62E-07	2.85E-08	2.02E-08	7.61E-07	4.02E-07	1.70E-07	2.01E-07	7.88E-08	4.02E-07	1.70E-07
61	486223.61	3855337	1.23E-03	1.20E-03	1.18E-03	4.25E-07	1.28E-06	7.42E-07	7.24E-07	6.57E-07	3.00E-07	2.96E-07	1.42E-08	3.43E-07	7.56E-08	9.83E-08	1.56E-07	2.75E-08	1.95E-08	7.34E-07	3.87E-07	1.64E-07	1.93E-07	7.59E-08	3.87E-07	1.64E-07
62	486123.61	3855387	1.37E-03	1.34E-03	1.32E-03	4.75E-07	1.43E-06	8.30E-07	8.10E-07	7.34E-07	3.35E-07	3.31E-07	1.59E-08	3.83E-07	8.45E-08	1.10E-07	1.74E-07	3.07E-08	2.18E-08	8.21E-07	4.33E-07	1.84E-07	2.16E-07	8.49E-08	4.33E-07	1.84E-07
63	486173.61	3855387	1.32E-03	1.29E-03	1.27E-03	4.57E-07	1.38E-06	7.98E-07	7.79E-07	7.06E-07	3.22E-07	3.18E-07	1.52E-08	3.68E-07	8.13E-08	1.06E-07	1.68E-07	2.96E-08	2.10E-08	7.89E-07	4.16E-07	1.77E-07	2.08E-07	8.16E-08	4.16E-07	1.77E-07
64	486223.61	3855387	1.27E-03	1.24E-03	1.22E-03	4.40E-07	1.33E-06	7.69E-07	7.51E-07	6.81E-07	3.11E-07	3.06E-07	1.47E-08	3.55E-07	7.83E-08	1.02E-07	1.62E-07	2.85E-08	2.02E-08	7.60E-07	4.01E-07	1.70E-07	2.00E-07	7.87E-08	4.01E-07	1.70E-07
65	486533.18	3855443	1.09E-03	1.07E-03	1.05E-03	3.78E-07	1.14E-06	6.61E-07	6.45E-07	5.84E-07	2.67E-07	2.63E-07	1.26E-08	3.05E-07	6.73E-08	8.75E-08	1.39E-07	2.45E-08	1.74E-08	6.53E-07	3.45E-07	1.46E-07	1.72E-07	6.76E-08	3.45E-07	1.46E-07
66	486583.18	3855443	1.06E-03	1.04E-03	1.02E-03	3.67E-07	1.11E-06	6.42E-07	6.27E-07	5.68E-07	2.59E-07	2.56E-07	1.23E-08	2.96E-07	6.54E-08	8.51E-08	1.35E-07	2.38E-08	1.69E-08	6.35E-07	3.35E-07	1.42E-07	1.67E-07	6.57E-08	3.35E-07	1.42E-07
67	486633.18	3855443	1.03E-03	1.01E-03	9.94E-04	3.57E-07	1.08E-06	6.25E-07	6.09E-07	5.52E-07	2.52E-07	2.49E-07	1.19E-08	2.88E-07	6.36E-08	8.27E-08	1.31E-07	2.31E-08	1.64E-08	6.17E-07	3.26E-07	1.38E-07	1.63E-07	6.39E-08	3.26E-07	1.38E-07

68	486683.18	3855443	1.01E-03	9.85E-04	9.72E-04	3.49E-07	1.05E-06	6.11E-07	5.96E-07	5.40E-07	2.46E-07	2.43E-07	1.17E-08	2.82E-07	6.22E-08	8.09E-08	1.28E-07	2.26E-08	1.60E-08	6.03E-07	3.18E-07	1.35E-07	1.59E-07	6.24E-08	3.18E-07	1.35E-07
69	486533.18	3855493	1.12E-03	1.10E-03	1.08E-03	3.89E-07	1.17E-06	6.80E-07	6.63E-07	6.01E-07	2.74E-07	2.71E-07	1.30E-08	3.14E-07	6.92E-08	9.01E-08	1.43E-07	2.52E-08	1.79E-08	6.72E-07	3.55E-07	1.50E-07	1.77E-07	6.95E-08	3.55E-07	1.50E-07
70	486583.18	3855493	1.09E-03	1.07E-03	1.05E-03	3.78E-07	1.14E-06	6.61E-07	6.45E-07	5.85E-07	2.67E-07	2.63E-07	1.26E-08	3.05E-07	6.73E-08	8.76E-08	1.39E-07	2.45E-08	1.74E-08	6.53E-07	3.45E-07	1.46E-07	1.72E-07	6.76E-08	3.45E-07	1.46E-07
71	486633.18	3855493	1.06E-03	1.04E-03	1.02E-03	3.68E-07	1.11E-06	6.43E-07	6.27E-07	5.68E-07	2.59E-07	2.56E-07	1.23E-08	2.97E-07	6.54E-08	8.51E-08	1.35E-07	2.38E-08	1.69E-08	6.35E-07	3.35E-07	1.42E-07	1.67E-07	6.57E-08	3.35E-07	1.42E-07
72	486683.18	3855493	1.03E-03	1.01E-03	9.95E-04	3.58E-07	1.08E-06	6.26E-07	6.10E-07	5.53E-07	2.52E-07	2.49E-07	1.20E-08	2.89E-07	6.37E-08	8.29E-08	1.31E-07	2.32E-08	1.64E-08	6.18E-07	3.26E-07	1.38E-07	1.63E-07	6.40E-08	3.26E-07	1.38E-07
73	486533.18	3855543	1.16E-03	1.13E-03	1.12E-03	4.01E-07	1.21E-06	7.02E-07	6.85E-07	6.21E-07	2.83E-07	2.79E-07	1.34E-08	3.24E-07	7.14E-08	9.30E-08	1.47E-07	2.60E-08	1.84E-08	6.93E-07	3.66E-07	1.55E-07	1.83E-07	7.18E-08	3.66E-07	1.55E-07
74	486583.18	3855543	1.12E-03	1.09E-03	1.08E-03	3.88E-07	1.17E-06	6.78E-07	6.62E-07	6.00E-07	2.74E-07	2.70E-07	1.30E-08	3.13E-07	6.91E-08	8.99E-08	1.43E-07	2.51E-08	1.78E-08	6.70E-07	3.54E-07	1.50E-07	1.77E-07	6.94E-08	3.54E-07	1.50E-07
75	486633.18	3855543	1.09E-03	1.06E-03	1.05E-03	3.77E-07	1.14E-06	6.60E-07	6.44E-07	5.84E-07	2.66E-07	2.63E-07	1.26E-08	3.04E-07	6.72E-08	8.74E-08	1.39E-07	2.44E-08	1.73E-08	6.52E-07	3.44E-07	1.46E-07	1.72E-07	6.75E-08	3.44E-07	1.46E-07
76	486683.18	3855543	1.06E-03	1.03E-03	1.02E-03	3.66E-07	1.10E-06	6.39E-07	6.23E-07	5.65E-07	2.58E-07	2.54E-07	1.22E-08	2.95E-07	6.51E-08	8.46E-08	1.34E-07	2.37E-08	1.68E-08	6.31E-07	3.33E-07	1.41E-07	1.66E-07	6.53E-08	3.33E-07	1.41E-07
77	486533.18	3855593	1.19E-03	1.17E-03	1.15E-03	4.13E-07	1.25E-06	7.22E-07	7.05E-07	6.39E-07	2.92E-07	2.88E-07	1.38E-08	3.33E-07	7.36E-08	9.57E-08	1.52E-07	2.68E-08	1.90E-08	7.14E-07	3.77E-07	1.60E-07	1.88E-07	7.39E-08	3.77E-07	1.60E-07
78	486583.18	3855593	1.16E-03	1.13E-03	1.11E-03	4.00E-07	1.21E-06	6.99E-07	6.82E-07	6.19E-07	2.82E-07	2.79E-07	1.34E-08	3.23E-07	7.12E-08	9.27E-08	1.47E-07	2.59E-08	1.84E-08	6.91E-07	3.65E-07	1.55E-07	1.82E-07	7.15E-08	3.65E-07	1.55E-07
79	486633.18	3855593	1.12E-03	1.09E-03	1.08E-03	3.88E-07	1.17E-06	6.78E-07	6.62E-07	6.00E-07	2.74E-07	2.70E-07	1.30E-08	3.13E-07	6.91E-08	8.99E-08	1.43E-07	2.51E-08	1.78E-08	6.70E-07	3.54E-07	1.50E-07	1.77E-07	6.94E-08	3.54E-07	1.50E-07
80	486683.18	3855593	1.09E-03	1.06E-03	1.05E-03	3.78E-07	1.14E-06	6.60E-07	6.44E-07	5.84E-07	2.66E-07	2.63E-07	1.26E-08	3.05E-07	6.72E-08	8.75E-08	1.39E-07	2.45E-08	1.73E-08	6.53E-07	3.44E-07	1.46E-07	1.72E-07	6.75E-08	3.44E-07	1.46E-07
81	486533.18	3855643	1.23E-03	1.20E-03	1.19E-03	4.27E-07	1.29E-06	7.46E-07	7.28E-07	6.60E-07	3.01E-07	2.97E-07	1.43E-08	3.44E-07	7.60E-08	9.88E-08	1.57E-07	2.76E-08	1.96E-08	7.37E-07	3.89E-07	1.65E-07	1.94E-07	7.63E-08	3.89E-07	1.65E-07
82	486583.18	3855643	1.19E-03	1.16E-03	1.15E-03	4.13E-07	1.25E-06	7.21E-07	7.04E-07	6.38E-07	2.91E-07	2.87E-07	1.38E-08	3.33E-07	7.35E-08	9.56E-08	1.52E-07	2.67E-08	1.90E-08	7.13E-07	3.76E-07	1.60E-07	1.88E-07	7.38E-08	3.76E-07	1.60E-07
83	486633.18	3855643	1.16E-03	1.13E-03	1.11E-03	4.00E-07	1.21E-06	6.99E-07	6.82E-07	6.18E-07	2.82E-07	2.78E-07	1.34E-08	3.23E-07	7.12E-08	9.26E-08	1.47E-07	2.59E-08	1.84E-08	6.91E-07	3.65E-07	1.55E-07	1.82E-07	7.15E-08	3.65E-07	1.55E-07
84	486683.18	3855643	1.12E-03	1.09E-03	1.08E-03	3.88E-07	1.17E-06	6.79E-07	6.62E-07	6.00E-07	2.74E-07	2.70E-07	1.30E-08	3.13E-07	6.91E-08	8.99E-08	1.43E-07	2.51E-08	1.78E-08	6.71E-07	3.54E-07	1.50E-07	1.77E-07	6.94E-08	3.54E-07	1.50E-07
85	486533.18	3855693	1.28E-03	1.25E-03	1.23E-03	4.43E-07	1.34E-06	7.74E-07	7.55E-07	6.85E-07	3.12E-07	3.08E-07	1.48E-08	3.57E-07	7.88E-08	1.03E-07	1.63E-07	2.87E-08	2.03E-08	7.65E-07	4.04E-07	1.71E-07	2.01E-07	7.92E-08	4.04E-07	1.71E-07
86	486583.18	3855693	1.23E-03	1.20E-03	1.18E-03	4.26E-07	1.29E-06	7.44E-07	7.26E-07	6.58E-07	3.00E-07	2.96E-07	1.42E-08	3.43E-07	7.58E-08	9.86E-08	1.56E-07	2.76E-08	1.95E-08	7.35E-07	3.88E-07	1.65E-07	1.94E-07	7.61E-08	3.88E-07	1.65E-07
87	486633.18	3855693	1.18E-03	1.16E-03	1.14E-03	4.10E-07	1.24E-06	7.16E-07	6.99E-07	6.34E-07	2.89E-07	2.85E-07	1.37E-08	3.30E-07	7.29E-08	9.49E-08	1.51E-07	2.65E-08	1.88E-08	7.08E-07	3.74E-07	1.59E-07	1.86E-07	7.33E-08	3.74E-07	1.59E-07
88	486683.18	3855693	1.15E-03	1.13E-03	1.11E-03	4.00E-07	1.21E-06	6.99E-07	6.82E-07	6.18E-07	2.82E-07	2.78E-07	1.33E-08	3.22E-07	7.11E-08	9.26E-08	1.47E-07	2.59E-08	1.84E-08	6.90E-07	3.64E-07	1.55E-07	1.82E-07	7.15E-08	3.64E-07	1.55E-07
89	486733.18	3855693	1.13E-03	1.11E-03	1.09E-03	3.92E-07	1.18E-06	6.86E-07	6.69E-07	6.06E-07	2.77E-07	2.73E-07	1.31E-08	3.16E-07	6.98E-08	9.08E-08	1.44E-07	2.54E-08	1.80E-08	6.78E-07	3.58E-07	1.52E-07	1.78E-07	7.01E-08	3.58E-07	1.52E-07
90	486783.18	3855693	1.12E-03	1.09E-03	1.07E-03	3.86E-07	1.17E-06	6.75E-07	6.58E-07	5.97E-07	2.72E-07	2.69E-07	1.29E-08	3.11E-07	6.87E-08	8.94E-08	1.42E-07	2.50E-08	1.77E-08	6.67E-07	3.52E-07	1.49E-07	1.76E-07	6.90E-08	3.52E-07	1.49E-07
91	486533.18	3855743	1.33E-03	1.29E-03	1.28E-03	4.59E-07	1.39E-06	8.02E-07	7.83E-07	7.10E-07	3.24E-07	3.20E-07	1.53E-08	3.70E-07	8.17E-08	1.06E-07	1.69E-07	2.97E-08	2.11E-08	7.93E-07	4.18E-07	1.78E-07	2.09E-07	8.21E-08	4.18E-07	1.78E-07
92	486583.18	3855743	1.27E-03	1.24E-03	1.22E-03	4.39E-07	1.32E-06	7.67E-07	7.48E-07	6.78E-07	3.09E-07	3.05E-07	1.46E-08	3.54E-07	7.81E-08	1.02E-07	1.61E-07	2.84E-08	2.01E-08	7.58E-07	4.00E-07	1.70E-07	2.00E-07	7.84E-08	4.00E-07	1.70E-07
93	486633.18	3855743	1.22E-03	1.19E-03	1.18E-03	4.23E-07	1.28E-06	7.40E-07	7.22E-07	6.54E-07	2.99E-07	2.95E-07	1.41E-08	3.41E-07	7.53E-08	9.80E-08	1.55E-07	2.74E-08	1.94E-08	7.31E-07	3.86E-07	1.64E-07	1.93E-07	7.57E-08	3.86E-07	1.64E-07
94	486683.18	3855743	1.20E-03	1.17E-03	1.15E-03	4.14E-07	1.25E-06	7.23E-07	7.06E-07	6.40E-07	2.92E-07	2.88E-07	1.38E-08	3.34E-07	7.36E-08	9.58E-08	1.52E-07	2.68E-08	1.90E-08	7.15E-07	3.77E-07	1.60E-07	1.88E-07	7.40E-08	3.77E-07	1.60E-07
95	486733.18	3855743	1.16E-03	1.14E-03	1.12E-03	4.03E-07	1.22E-06	7.05E-07	6.88E-07	6.24E-07	2.85E-07	2.81E-07	1.35E-08	3.25E-07	7.18E-08	9.34E-08	1.48E-07	2.61E-08	1.85E-08	6.97E-07	3.68E-07	1.56E-07	1.84E-07	7.21E-08	3.68E-07	1.56E-07
96	486783.18	3855743	1.15E-03	1.12E-03	1.11E-03	3.98E-07	1.20E-06	6.95E-07	6.79E-07	6.15E-07	2.81E-07	2.77E-07	1.33E-08	3.21E-07	7.08E-08	9.21E-08	1.46E-07	2.58E-08	1.83E-08	6.87E-07	3.63E-07	1.54E-07	1.81E-07	7.11E-08	3.63E-07	1.54E-07
97	486533.18	3855793	1.38E-03	1.35E-03	1.33E-03	4.78E-07	1.44E-06	8.35E-07	8.14E-07	7.38E-07	3.37E-07	3.32E-07	1.59E-08	3.85E-07	8.50E-08	1.11E-07	1.75E-07	3.09E-08	2.19E-08	8.25E-07	4.35E-07	1.85E-07	2.17E-07	8.54E-08	4.35E-07	1.85E-07
98	486583.18	3855793	1.31E-03	1.27E-03	1.26E-03	4.52E-07	1.37E-06	7.90E-07	7.71E-07	6.99E-07	3.19E-07	3.15E-07	1.51E-08	3.65E-07	8.05E-08	1.05E-07	1.66E-07	2.93E-08	2.08E-08	7.81E-07	4.12E-07	1.75E-07	2.06E-07	8.08E-08	4.12E-07	1.75E-07
99	486633.18	3855793	1.27E-03	1.24E-03	1.22E-03	4.40E-07	1.33E-06	7.70E-07	7.51E-07	6.81E-07	3.11E-07	3.07E-07	1.47E-08	3.55E-07	7.84E-08	1.02E-07	1.62E-07	2.85E-08	2.02E-08	7.61E-07	4.01E-07	1.70E-07	2.00E-07	7.87E-08	4.01E-07	1.70E-07
100	486683.18	3855793	1.24E-03	1.21E-03	1.20E-03	4.30E-07	1.30E-06	7.52E-07	7.33E-07	6.65E-07	3.03E-07	2.99E-07	1.44E-08	3.47E-07	7.65E-08	9.96E-08	1.58E-07	2.78E-08	1.97E-08	7.43E-07	3.92E-07	1.66E-07	1.96E-07	7.69E-08	3.92E-07	1.66E-07
101	486733.18	3855793	1.21E-03	1.18E-03	1.17E-03	4.19E-07	1.27E-06	7.33E-07	7.15E-07	6.48E-07	2.96E-07	2.92E-07	1.40E-08	3.38E-07	7.46E-08	9.70E-08	1.54E-07	2.71E-08	1.92E-08	7.24E-07	3.82E-07	1.62E-07	1.91E-07	7.49E-08	3.82E-07	1.62E-07
102	486783.18	3855793	1.18E-03	1.16E-03	1.14E-03	4.10E-07	1.24E-06	7.16E-07	6.99E-07	6.34E-07	2.89E-07	2.85E-07	1.37E-08	3.31E-07	7.30E-08	9.49E-08	1.51E-07	2.65E-08	1.88E-08	7.08E-07	3.74E-07	1.59E-07	1.87E-07	7.33E-08	3.74E-07	1.59E-07
103	486533.18	3855843	1.43E-03	1.40E-03	1.38E-03	4.95E-07	1.50E-06	8.66E-07	8.45E-07	7.66E-07	3.49E-07	3.45E-07	1.65E-08	3.99E-07	8.81E-08	1.15E-07	1.82E-07	3.21E-08	2.27E-08	8.55E-07	4.51E-07	1.92E-07	2.25E-07	8.85E-08	4.51E-07	1.92E-07
104	486583.18	3855843	1.36E-03	1.33E-03	1.31E-03	4.71E-07	1.42E-06	8.23E-07	8.03E-07	7.28E-07	3.32E-07	3.28E-07	1.57E-08	3.80E-07	8.38E-08	1.09E-07	1.73E-07	3.05E-08	2.16E-08	8.14E-07	4.29E-07	1.82E-07	2.14E-07	8.42E-08	4.29E-07	1.82E-07
105	486633.18	3855843	1.32E-03	1.29E-03	1.27E-03	4.58E-07	1.38E-06	8.01E-07	7.81E-07	7.08E-07	3.23E-07	3.19E-07	1.53E-08	3.69E-07	8.15E-08	1.06E-07	1.68E-07	2.97E-08	2.10E-08	7.91E-07	4.18E-07	1.77E-07	2.08E-07	8.19E-08	4.18E-07	1.77E-07
106	486683.18	3855843	1.29E-03	1.26E-03	1.24E-03	4.46E-07	1.35E-06	7.80E-07	7.61E-07	6.90E-07	3.15E-07	3.11E-07	1.49E-08	3.60E-07	7.94E-08	1.03E-07	1.64E-07	2.89E-08	2.05E-08	7.71E-07	4.07E-07	1.73E-07	2.03E-07	7.98E-08	4.07E-07	1.73E-07
107	486733.18	3855843	1.26E-03	1.23E-03	1.21E-03	4.35E-07	1.31E-06	7.61E-07	7.42E-07	6.73E-07	3.07E-07	3.03E-07	1.45E-08	3.51E-07	7.75E-08	1.01E-07	1.60E-07	2.82E-08	2.00E-08	7.52E-07	3.97E-07	1.68E-07	1.98E-07	7.78E-08	3.97E-07	1.68E-07
108	486783.18	3855843	1.23E-03	1.20E-03	1.18E-03	4.25E-07	1.28E-06	7.42E-07	7.24E-07	6.57E-07	3.00E-07	2.96E-07	1.42E-08	3.43E-07	7.56E-08	9.83E-08	1.56E-07	2.75E-08	1.95E-08	7.34E-07	3.87E-07	1.64E-07	1.93E-07	7.59E-08	3.87E-07	1.64E-07
109	486533.18	3855893	1.48E-03	1.44E-03	1.42E-03	5.11E-07	1.54E-06	8.93E-07	8.71E-07	7.90E-07	3.60E-07	3.56E-07	1.71E-08	4.12E-07	9.09E-08	1.18E-07	1.88E-07	3.31E-08	2.35E-08	8.83E-07	4.66E-07	1.98E-07	2.32E-07	9.13E-08	4.66E-07	1.98E-07
110	486583.18	3855893	1.43E-03	1.39E-03	1.37E-03	4.94E-07	1.49E-06	8.63E-07	8.42E-07	7.63E-07	3.48E-07	3.44E-07	1.65E-08	3.98E-07	8.79E-08	1.14E-07	1.81E-07	3.20E-08	2.27E-08	8.53E-07	4.50E-07	1.91E-07	2.25E-07	8.83E-08	4.50E-07	1.91E-07
111	486633.18	3855893	1.38E-03	1.35E-03	1.33E-03	4.78E-07	1.44E-06	8.35E-07	8.15E-07	7.39E-07	3.37E-07	3.33E-07	1.60E-08	3.85E-07	8.50E-08	1.11E-07	1.76E-07	3.09E-08	2.19E-08	8.25E-07	4.36E-07	1.85E-07	2.17E-07	8.54E-08	4.36E-07	1.85E-07
112	486683.18	3855893	1.34E-03	1.31E-03	1.29E-03	4.64E-07	1.40E-06	8.12E-07	7.92E-07	7.18E-07	3.28E-07	3.23E-07	1.55E-08	3.75E-07	8.26E-08	1.08E-07	1.71E-07	3.01E-08	2.13E-08	8.02E-07	4.23E-07	1.80E-07	2.11E-07	8.30E-08	4.23E-07	1.80E-07
113	486733.18	3855893	1.31E-03	1.27E-03	1.26E-03	4.52E-07	1.37E-06	7.90E-07	7.71E-07	6.99E-07	3.19E-07	3.15E-07	1.51E-08	3.65E-07	8.05E-08	1.05E-07	1.66E-07	2.93E-08	2.08E-08	7.81E-07	4.12E-07	1.75E-07	2.06E-07	8.08E-08	4.12E-07	1.75E-07
114	486783.18	3855893	1.28E-03	1.24E-03	1.23E-03	4.42E-07	1.33E-06	7.72E-07	7.53E-07	6.83E-07	3.12E-07	3.07E-07	1.47E-08	3.56E-07	7.86E-08	1.02E-07	1.62E-07	2.86E-08	2.03E-08	7.63E-07	4.03E-07	1.71E-07	2.01E-07	7.90E-08	4.03E-07	1.71E-07
115	486533.18	3855943	1.55E-03	1.51E-03	1.49E-03	5.35E-07	1.62E-06	9.36E-07	9.13E-07	8.28E-07	3.78E-07	3.73E-07	1.79E-08	4.32E-07	9.53E-08	1.24E-07	1.97E-07	3.47E-08	2.46E-08	9.25E-07	4.88E-07	2.07E-07	2.44E-07	9.57E-08	4.88E-07	2.07E-07
116	486583.18	3855943	1.50E-03	1.46E-03	1.44E-03	5.19E-07	1.57E-06	9.07E-07	8.86E-07	8.03E-07	3.66E-07	3.61E-07	1.73E-08	4.19E-07	9.24E-08	1.20E-07	1.91E-07	3.36E-08	2.38E-08	8.97E-07	4.73E-07	2.01E-07	2.36E-07	9.28E-08	4.73E-07	2.01E-07
117	486633.18	3855943	1.45E-03	1.41E-03	1.39E-03	5.00E-07	1.51E-06	8.74E-07	8.53E-07	7.73E-07	3.53E-07	3.48E-07	1.67E-08	4.03E-07	8.90E-08	1.16E-07	1.84E-07	3.24E-08	2.30E-08	8.64E-07	4.56E-07	1.94E-07	2.28E-07	8.94E-08	4.56E-07	1.94E-07
118	486683.18	3855943	1.40E-03	1.37E-03	1.35E-03	4.86E-07	1.47E-06	8.49E-07	8.29E-07	7.51E-07	3.43E-07	3.38E-07	1.62E-08	3.92E-07	8.65E-08	1.13E-07	1.79E-07	3.15E-08	2.23E-08	8.40E-07	4.43E-07	1.88E-07	2.21E-07	8.69E-08	4.43E-07	1.88E-07
119	486733.18	3855943	1.36E-03	1.33E-03	1.31E-03	4.71E-07	1.42E-06	8.23E-07	8.03E-07	7.28E-07	3.32E-07	3.28E-07	1.57E-08	3.80E-07	8.38E-08	1.09E-07	1.73E-07	3.05E-08	2.16E-08	8.14E-07	4.29E-07	1.82E-07	2.14E-07	8.42E-08	4.29E-07	1.82E-07
120	486783.18	3855943	1.33E-03	1.30E-03	1.28E-03	4.59E-07	1.39E-06	8.03E-07	7.84E-07	7.10E-07	3.24E-07	3.20E-07	1.53E-08	3.71E-07	8.18E-08	1.06E-07	1.69E-07	2.97E-08	2.11E-08	7.94E-07	4.19E-07	1.78E-07	2.09E-07	8.21E-08	4.19E-07	1.78E-07
121	486533.18	3855993	1.64E-03	1.60E-03	1.58E-03	5.66E-07	1.71E-06	9.90E-07	9.66E-07	8.76E-07	4.00E-07	3.94E-07	1.89E-08	4.57E-07	1.01E-07	1.31E-07	2.08E-07	3.67E-08	2.60E-08	9.79E-07	5.16E-07	2.19E-07	2.58E-07	1.01E-07	5.16E-07	2.19E-07
122	486583.18	3855993	1.57E-03	1.54E-03	1.52E-03	5.45E-07	1.65E-06	9.53E-07	9.30E-07	8.43E-07	3.85E-07	3.80E-07	1.82E-08	4.40E-07	9.70E-08	1.26E-07	2.00E-07	3.53E-08	2.50E-08	9.42E-07	4.97E-07	2.11E-07	2.48E-07	9.75E-08	4.97E-07	2.11E-07
123	486633.18	3855993	1.52E-03	1.48E-03	1.46E-03	5.25E-07	1.59E-06	9.18E-07	8.96E-07	8.12E-07	3.71E-07	3.66E-07	1.75E-08	4.24E-07	9.35E-08	1.22E-07	1.93E-07	3.40E-08	2.41E-08	9.08E-07	4.79E-07	2.03E-07	2.39E-07	9.39E-08	4.79E-07	2.03E-07
124	486683.18	3855993	1.47E-03	1.44E-03	1.42E-03	5.09E-07	1.54E-06	8.90E-07	8.68E-07	7.87E-07	3.59E-07	3.54E-07	1.70E-08	4.11E-07	9.06E-08	1.18E-07	1.87E-07	3.30E-08	2.34E-08	8.80E-07	4.64E-07	1.97E-07	2.32E-07	9.10E-08	4.64E-07	1.97E-07
125	486733.18	3855993	1.42E-03	1.39E-03	1.37E-03	4.93E-07	1.49E-06	8.61E-07	8.40E-07	7.62E-07	3.48E-07	3.43E-07	1.64E-08	3.97E-07	8.77E-08	1.14E-07	1.81E-07	3.19E-08	2.26E-08	8.51E-07	4.49E-07	1.91E-07	2.24E-07	8.81E-08	4.49E-07	1.91E-07
126	486783.18	3855993	1.38E-03	1.35E-03	1.33E-03	4.79E-07	1.44E-06	8.36E-07	8.16E-07	7.40E-07	3.38E-07	3.33E-07	1.60E-08	3.86E-07	8.52E-08	1.11E-07	1.76E-07	3.10E-08	2.20E-08	8.27E-07	4.36E-07	1.85E-07	2.18E-07	8.56E-08	4.36E-07	1.85E-07
127	486533.18	3856043	1.73E-03	1.69E-03	1.67E-03	6.00E-07	1.81E-06	1.05E-06	1.02E-06	9.28E-07	4.24E-07	4.18E-07	2.01E-08	4.84E-07	1.07E-07	1.39E-07	2.21E-07	3.89E-08	2.76E-08	1.04E-06	5.47E-07	2.32E-07	2.73E-07	1.07E-07	5.47E-07	2.32E-07
128	486583.18	3856043	1.67E-03	1.63E-03	1.61E-03	5.77E-07	1.74E-06	1.01E-06	9.84E-07	8.92E-07	4.07E-07	4.02E-07	1.93E-08	4.66E-07	1.03E-07	1.34E-07	2.12E-07	3.74E-08	2.65E-08	9.97E-07	5.26E-07	2.23E-07	2.63E-07	1.03E-07	5.26E-07	2.23E-07
129	486633.18	3856043	1.60E-03	1.56E-03	1.54E-03	5.54E-07	1.67E-06	9.68E-07	9.44E-07	8.56E-07	3.91E-07	3.85E-07	1.85E-08	4.47E-07	9.85E-08	1.28E-07	2.03E-07	3.58E-08	2.54E-08	9.56E-07	5.05E-07	2.14E-07	2.52E-07	9.90E-08	5.05E-07	2.14E-07
130	486683.18	3856043	1.55E-03	1.51E-03	1.49E-03	5.35E-07	1.62E-06	9.36E-07	9.13E-07	8.28E-07	3.78E-07	3.73E-07	1.79E-08	4.32E-07	9.53E-08	1.24E-07	1.97E-07	3.47E-08	2.46E-08	9.25E-07	4.88E-07	2.07E-07	2.44E-07	9.57E-08	4.88E-07	2.07E-07
131	486733.18	3856043	1.49E-03	1.46E-03	1.44E-03	5.16E-07	1.56E-06	9.02E-07	8.81E-07	7.98E-07	3.64E-07	3.59E-07	1.72E-08	4.16E-07	9.19E-08	1.20E-07	1.90E-07	3.34E-08	2.37E-08	8.92E-07	4.71E-07	2.00E-07	2.35E-07	9.23E-08	4.71E-07	2.00E-07
132	486783.18	3856043	1.45E-03	1.41E-03	1.40E-03	5.02E-07	1.52E-06	8.77E-07	8.56E-07	7.76E-07	3.54E-07	3.49E-07	1.68E-08	4.05E-07	8.93E-08	1.16E-07	1.84E-07	3.25E-08	2.30E-08	8.67E-07	4.58E-07	1.94E-07	2.28E-07	8.97E-08	4.58E-07	1.94E-07
133	486533.18	3856093	1.85E-03	1.81E-03	1.79E-03	6.42E-07	1.94E-06	1.12E-06	1.09E-06	9.92E-07	4.53E-07	4.47E-07	2.14E-08	5.18E-07	1.14E-07	1.49E-07	2.36E-07	4.16E-08	2.95E-08	1.11E-06	5.85E-07	2.48E-07	2.92E-07	1.15E-07	5.85E-07	2.48E-07
134	486583.18	3856093	1.77E-03	1.73E-03	1.70E-03	6.13E-07	1.85E-06	1.07E-06	1.05E-06	9.48E-07	4.32E-07	4.27E-07	2.05E-08	4.94E-07	1.09E-07	1.42E-07	2.25E-07	3.97E-08	2.81E-08	1.06E-06	5.59E-07	2.37E-07	2.79E-07	1.10E-07	5.59E-07	2.37E-07
135	486633.18	3856093	1.69E-03	1.65E-03	1.63E-03	5.87E-07	1.77E-06	1.03E-06	1.00E-06	9.07E-07	4.14E-07	4.08E-07	1.96E-08	4.73E-07	1.04E-07	1.36E-07	2.16E-07	3.80E-08	2.69E-08	1.01E-06	5.35E-07	2.27E-07	2.67E-07	1.05E-07	5.35E-07	2.27E-07
136	486683.18	3856093	1.63E-03	1.59E-03	1.57E-03	5.65E-07	1.71E-06	9.87E-07	9.63E-07	8.73E-07	3.98E-07	3.93E-07	1.89E-08	4.56E-07	1.01E-07	1.31E-07	2.08E-07	3.66E-08	2.59E-08	9.76E-07	5.15E-07	2.19E-07	2.57E-07	1.01E-07	5.15E-07	2.19E-07
137	486733.18	3856093	1.57E-03	1.53E-03	1.51E-03	5.44E-07	1.64E-06	9.51E-07	9.28E-07	8.41E-07	3.84E-07	3.79E-07	1.82E-08	4.39E-07	9.68E-08	1.26E-07	2.00E-07	3.52E-08	2.50E-08	9.40E-07	4.96E-07	2.10E-07	2.48E-07	9.72E-08	4.96E-07	2.10E-07
138	486783.18	3856093	1.52E-03	1.48E-03	1.46E-03	5.26E-07	1.59E-06	9.20E-07	8.98E-07	8.14E-07	3.71E-07	3.66E-07	1.76E-08	4.25E-07	9.37E-08	1.22E-07	1.93E-07	3.41E-08	2.42E-08	9.09E-07	4.80E-07	2.04E-07	2.40E-07	9.41E-08	4.80E-07	2.04E-07
139	486533.18	3856143	1.99E-03	1.94E-03	1.91E-03	6.88E-07	2.08E-06	1.20E-06	1.17E-06	1.06E-06	4.86E-07	4.79E-07	2.30E-08	5.55E-07	1.23E-07	1.59E-07	2.53E-07	4.46E-08	3.16E-08	1.19E-06	6.28E-07	2.66E-07	3.13E-07	1.23E-07	6.28E-07	2.66E-07
140	486583.18	3856143	1.89E-03	1.84E-03	1.82E-03	6.53E-07	1.97E-06	1.14E-06	1.11E-06	1.01E-06	4.61E-07	4.54E-07	2.18E-08	5.27E-07	1.16E-07	1.51E-07	2.40E-07	4.23E-08	3.00E-08	1.13E-06	5.95E-07	2.53E-07	2.97E-07	1.17E-07	5.95E-07	2.53E-07
141	486633.18	3856143	1.80E-03	1.76E-03	1.74E-03	6.24E-07	1.89E-06	1.09E-06	1.07E-06	9.65E-07	4.41E-07	4.35E-07	2.09E-08	5.04E-07	1.11E-07	1.45E-07	2.29E-07	4.04E-08	2.87E-08	1.08E-06	5.69E-07	2.42E-07	2.84E-07	1.12E-07	5.69E-07	2.42E-07

142	486683.18	3856143	1.73E-03	1.69E-03	1.66E-03	5.98E-07	1.81E-06	1.05E-06	1.02E-06	9.25E-07	4.22E-07	4.16E-07	2.00E-08	4.82E-07	1.06E-07	1.39E-07	2.20E-07	3.87E-08	2.75E-08	1.03E-06	5.45E-07	2.31E-07	2.72E-07	1.07E-07	5.45E-07	2.31E-07
143	486733.18	3856143	1.66E-03	1.62E-03	1.60E-03	5.75E-07	1.74E-06	1.00E-06	9.80E-07	8.89E-07	4.05E-07	4.00E-07	1.92E-08	4.64E-07	1.02E-07	1.33E-07	2.11E-07	3.72E-08	2.64E-08	9.93E-07	5.24E-07	2.22E-07	2.62E-07	1.03E-07	5.24E-07	2.22E-07
144	486783.18	3856143	1.61E-03	1.57E-03	1.55E-03	5.57E-07	1.68E-06	9.73E-07	9.49E-07	8.60E-07	3.93E-07	3.87E-07	1.86E-08	4.49E-07	9.91E-08	1.29E-07	2.04E-07	3.60E-08	2.56E-08	9.61E-07	5.07E-07	2.15E-07	2.53E-07	9.95E-08	5.07E-07	2.15E-07
145	486533.18	3856193	2.16E-03	2.11E-03	2.08E-03	7.47E-07	2.26E-06	1.31E-06	1.27E-06	1.16E-06	5.27E-07	5.20E-07	2.50E-08	6.03E-07	1.33E-07	1.73E-07	2.75E-07	4.84E-08	3.43E-08	1.29E-06	6.81E-07	2.89E-07	3.40E-07	1.34E-07	6.81E-07	2.89E-07
146	486583.18	3856193	2.03E-03	1.98E-03	1.95E-03	7.03E-07	2.12E-06	1.23E-06	1.20E-06	1.09E-06	4.96E-07	4.89E-07	2.35E-08	5.67E-07	1.25E-07	1.63E-07	2.58E-07	4.55E-08	3.23E-08	1.21E-06	6.41E-07	2.72E-07	3.20E-07	1.26E-07	6.41E-07	2.72E-07
147	486633.18	3856193	1.93E-03	1.88E-03	1.86E-03	6.68E-07	2.02E-06	1.17E-06	1.14E-06	1.03E-06	4.71E-07	4.65E-07	2.23E-08	5.39E-07	1.19E-07	1.55E-07	2.45E-07	4.33E-08	3.07E-08	1.15E-06	6.09E-07	2.59E-07	3.04E-07	1.19E-07	6.09E-07	2.59E-07
148	486683.18	3856193	1.85E-03	1.80E-03	1.78E-03	6.40E-07	1.93E-06	1.12E-06	1.09E-06	9.89E-07	4.51E-07	4.45E-07	2.14E-08	5.16E-07	1.14E-07	1.48E-07	2.35E-07	4.14E-08	2.94E-08	1.11E-06	5.83E-07	2.48E-07	2.91E-07	1.14E-07	5.83E-07	2.48E-07
149	486733.18	3856193	1.77E-03	1.72E-03	1.70E-03	6.11E-07	1.85E-06	1.07E-06	1.04E-06	9.45E-07	4.31E-07	4.26E-07	2.04E-08	4.93E-07	1.09E-07	1.42E-07	2.25E-07	3.96E-08	2.81E-08	1.06E-06	5.57E-07	2.37E-07	2.78E-07	1.09E-07	5.57E-07	2.37E-07
150	486783.18	3856193	1.70E-03	1.66E-03	1.64E-03	5.89E-07	1.78E-06	1.03E-06	1.00E-06	9.10E-07	4.15E-07	4.10E-07	1.97E-08	4.75E-07	1.05E-07	1.36E-07	2.16E-07	3.81E-08	2.70E-08	1.02E-06	5.37E-07	2.28E-07	2.68E-07	1.05E-07	5.37E-07	2.28E-07
151	486533.18	3856243	2.36E-03	2.30E-03	2.27E-03	8.16E-07	2.46E-06	1.43E-06	1.39E-06	1.26E-06	5.76E-07	5.68E-07	2.72E-08	6.58E-07	1.45E-07	1.89E-07	3.00E-07	5.28E-08	3.75E-08	1.41E-06	7.44E-07	3.16E-07	3.71E-07	1.46E-07	7.44E-07	3.16E-07
152	486583.18	3856243	2.21E-03	2.15E-03	2.13E-03	7.64E-07	2.31E-06	1.34E-06	1.30E-06	1.18E-06	5.39E-07	5.32E-07	2.55E-08	6.16E-07	1.36E-07	1.77E-07	2.81E-07	4.95E-08	3.51E-08	1.32E-06	6.97E-07	2.96E-07	3.48E-07	1.37E-07	6.97E-07	2.96E-07
153	486633.18	3856243	2.08E-03	2.03E-03	2.00E-03	7.20E-07	2.18E-06	1.26E-06	1.23E-06	1.11E-06	5.08E-07	5.01E-07	2.41E-08	5.81E-07	1.28E-07	1.67E-07	2.65E-07	4.66E-08	3.31E-08	1.24E-06	6.57E-07	2.79E-07	3.28E-07	1.29E-07	6.57E-07	2.79E-07
154	486683.18	3856243	1.97E-03	1.93E-03	1.90E-03	6.84E-07	2.06E-06	1.19E-06	1.17E-06	1.06E-06	4.82E-07	4.76E-07	2.28E-08	5.51E-07	1.22E-07	1.58E-07	2.51E-07	4.43E-08	3.14E-08	1.18E-06	6.23E-07	2.64E-07	3.11E-07	1.22E-07	6.23E-07	2.64E-07
155	486733.18	3856243	1.88E-03	1.84E-03	1.81E-03	6.52E-07	1.97E-06	1.14E-06	1.11E-06	1.01E-06	4.60E-07	4.54E-07	2.18E-08	5.26E-07	1.16E-07	1.51E-07	2.40E-07	4.22E-08	2.99E-08	1.13E-06	5.95E-07	2.52E-07	2.97E-07	1.17E-07	5.95E-07	2.52E-07
156	486783.18	3856243	1.80E-03	1.76E-03	1.73E-03	6.23E-07	1.88E-06	1.09E-06	1.06E-06	9.63E-07	4.40E-07	4.34E-07	2.08E-08	5.03E-07	1.11E-07	1.44E-07	2.29E-07	4.03E-08	2.86E-08	1.08E-06	5.68E-07	2.41E-07	2.84E-07	1.11E-07	5.68E-07	2.41E-07
157	486533.18	3856293	2.60E-03	2.54E-03	2.50E-03	9.00E-07	2.72E-06	1.57E-06	1.53E-06	1.39E-06	6.35E-07	6.26E-07	3.00E-08	7.26E-07	1.60E-07	2.08E-07	3.30E-07	5.82E-08	4.13E-08	1.55E-06	8.20E-07	3.48E-07	4.09E-07	1.61E-07	8.20E-07	3.48E-07
158	486583.18	3856293	2.41E-03	2.35E-03	2.32E-03	8.33E-07	2.52E-06	1.46E-06	1.42E-06	1.29E-06	5.88E-07	5.80E-07	2.78E-08	6.72E-07	1.48E-07	1.93E-07	3.06E-07	5.40E-08	3.83E-08	1.44E-06	7.60E-07	3.22E-07	3.79E-07	1.49E-07	7.60E-07	3.22E-07
159	486633.18	3856293	2.25E-03	2.20E-03	2.17E-03	7.80E-07	2.35E-06	1.36E-06	1.33E-06	1.21E-06	5.50E-07	5.43E-07	2.60E-08	6.29E-07	1.39E-07	1.81E-07	2.86E-07	5.05E-08	3.58E-08	1.35E-06	7.11E-07	3.02E-07	3.55E-07	1.39E-07	7.11E-07	3.02E-07
160	486683.18	3856293	2.12E-03	2.07E-03	2.04E-03	7.35E-07	2.22E-06	1.28E-06	1.25E-06	1.14E-06	5.18E-07	5.11E-07	2.45E-08	5.93E-07	1.31E-07	1.70E-07	2.70E-07	4.76E-08	3.37E-08	1.27E-06	6.70E-07	2.84E-07	3.34E-07	1.31E-07	6.70E-07	2.84E-07
161	486733.18	3856293	2.02E-03	1.97E-03	1.94E-03	6.98E-07	2.11E-06	1.22E-06	1.19E-06	1.08E-06	4.92E-07	4.86E-07	2.33E-08	5.63E-07	1.24E-07	1.62E-07	2.56E-07	4.52E-08	3.20E-08	1.21E-06	6.36E-07	2.70E-07	3.18E-07	1.25E-07	6.36E-07	2.70E-07
162	486783.18	3856293	1.92E-03	1.87E-03	1.85E-03	6.64E-07	2.00E-06	1.16E-06	1.13E-06	1.03E-06	4.68E-07	4.62E-07	2.22E-08	5.35E-07	1.18E-07	1.54E-07	2.44E-07	4.30E-08	3.05E-08	1.15E-06	6.05E-07	2.57E-07	3.02E-07	1.19E-07	6.05E-07	2.57E-07
163	486783.18	3856343	2.05E-03	2.00E-03	1.98E-03	7.10E-07	2.15E-06	1.24E-06	1.21E-06	1.10E-06	5.01E-07	4.95E-07	2.37E-08	5.73E-07	1.26E-07	1.65E-07	2.61E-07	4.60E-08	3.26E-08	1.23E-06	6.48E-07	2.75E-07	3.23E-07	1.27E-07	6.48E-07	2.75E-07
164	486833.18	3856343	1.95E-03	1.90E-03	1.88E-03	6.75E-07	2.04E-06	1.18E-06	1.15E-06	1.04E-06	4.76E-07	4.70E-07	2.25E-08	5.45E-07	1.20E-07	1.56E-07	2.48E-07	4.37E-08	3.10E-08	1.17E-06	6.16E-07	2.61E-07	3.07E-07	1.21E-07	6.16E-07	2.61E-07
165	486883.18	3856343	1.86E-03	1.82E-03	1.79E-03	6.44E-07	1.95E-06	1.13E-06	1.10E-06	9.96E-07	4.55E-07	4.48E-07	2.15E-08	5.20E-07	1.15E-07	1.49E-07	2.37E-07	4.17E-08	2.96E-08	1.11E-06	5.87E-07	2.49E-07	2.93E-07	1.15E-07	5.87E-07	2.49E-07
166	486783.18	3856393	2.20E-03	2.14E-03	2.12E-03	7.61E-07	2.30E-06	1.33E-06	1.30E-06	1.18E-06	5.37E-07	5.30E-07	2.54E-08	6.14E-07	1.35E-07	1.76E-07	2.79E-07	4.93E-08	3.49E-08	1.31E-06	6.94E-07	2.94E-07	3.46E-07	1.36E-07	6.94E-07	2.94E-07
167	486833.18	3856393	2.08E-03	2.03E-03	2.00E-03	7.19E-07	2.17E-06	1.26E-06	1.23E-06	1.11E-06	5.07E-07	5.01E-07	2.40E-08	5.80E-07	1.28E-07	1.67E-07	2.64E-07	4.66E-08	3.30E-08	1.24E-06	6.56E-07	2.78E-07	3.27E-07	1.29E-07	6.56E-07	2.78E-07
168	486883.18	3856393	1.97E-03	1.92E-03	1.90E-03	6.82E-07	2.06E-06	1.19E-06	1.16E-06	1.05E-06	4.81E-07	4.75E-07	2.28E-08	5.50E-07	1.21E-07	1.58E-07	2.51E-07	4.41E-08	3.13E-08	1.18E-06	6.22E-07	2.64E-07	3.10E-07	1.22E-07	6.22E-07	2.64E-07
169	487208.74	3856886	2.59E-03	2.53E-03	2.49E-03	8.97E-07	2.71E-06	1.57E-06	1.53E-06	1.39E-06	6.33E-07	6.24E-07	2.99E-08	7.23E-07	1.60E-07	2.08E-07	3.29E-07	5.81E-08	4.12E-08	1.55E-06	8.18E-07	3.47E-07	4.08E-07	1.60E-07	8.18E-07	3.47E-07
170	487258.74	3856886	2.42E-03	2.36E-03	2.33E-03	8.37E-07	2.53E-06	1.46E-06	1.43E-06	1.29E-06	5.91E-07	5.83E-07	2.79E-08	6.75E-07	1.49E-07	1.94E-07	3.07E-07	5.42E-08	3.84E-08	1.45E-06	7.63E-07	3.24E-07	3.81E-07	1.50E-07	7.63E-07	3.24E-07
171	487308.74	3856886	2.27E-03	2.22E-03	2.19E-03	7.87E-07	2.38E-06	1.37E-06	1.34E-06	1.22E-06	5.55E-07	5.48E-07	2.63E-08	6.34E-07	1.40E-07	1.82E-07	2.89E-07	5.09E-08	3.61E-08	1.36E-06	7.17E-07	3.04E-07	3.58E-07	1.41E-07	7.17E-07	3.04E-07
172	487358.74	3856886	2.15E-03	2.10E-03	2.07E-03	7.43E-07	2.24E-06	1.30E-06	1.27E-06	1.15E-06	5.24E-07	5.17E-07	2.48E-08	5.99E-07	1.32E-07	1.72E-07	2.73E-07	4.81E-08	3.41E-08	1.28E-06	6.78E-07	2.88E-07	3.38E-07	1.33E-07	6.78E-07	2.88E-07
173	487208.74	3856936	2.82E-03	2.75E-03	2.72E-03	9.77E-07	2.95E-06	1.71E-06	1.67E-06	1.51E-06	6.89E-07	6.80E-07	3.26E-08	7.88E-07	1.74E-07	2.26E-07	3.59E-07	6.33E-08	4.49E-08	1.69E-06	8.91E-07	3.78E-07	4.45E-07	1.75E-07	8.91E-07	3.78E-07
174	487258.74	3856936	2.61E-03	2.55E-03	2.52E-03	9.04E-07	2.73E-06	1.58E-06	1.54E-06	1.40E-06	6.38E-07	6.30E-07	3.02E-08	7.29E-07	1.61E-07	2.09E-07	3.32E-07	5.86E-08	4.15E-08	1.56E-06	8.25E-07	3.50E-07	4.12E-07	1.62E-07	8.25E-07	3.50E-07
175	487308.74	3856936	2.44E-03	2.38E-03	2.35E-03	8.44E-07	2.55E-06	1.48E-06	1.44E-06	1.30E-06	5.95E-07	5.87E-07	2.82E-08	6.81E-07	1.50E-07	1.95E-07	3.10E-07	5.46E-08	3.87E-08	1.46E-06	7.69E-07	3.26E-07	3.84E-07	1.51E-07	7.69E-07	3.26E-07
176	487358.74	3856936	2.29E-03	2.23E-03	2.21E-03	7.93E-07	2.39E-06	1.39E-06	1.35E-06	1.23E-06	5.59E-07	5.52E-07	2.65E-08	6.39E-07	1.41E-07	1.84E-07	2.91E-07	5.13E-08	3.64E-08	1.37E-06	7.23E-07	3.07E-07	3.61E-07	1.42E-07	7.23E-07	3.07E-07
177	487208.74	3856986	3.11E-03	3.04E-03	3.00E-03	1.08E-06	3.25E-06	1.88E-06	1.84E-06	1.67E-06	7.60E-07	7.50E-07	3.60E-08	8.69E-07	1.92E-07	2.49E-07	3.96E-07	6.97E-08	4.95E-08	1.86E-06	9.82E-07	4.17E-07	4.90E-07	1.93E-07	9.82E-07	4.17E-07
178	487258.74	3856986	2.85E-03	2.78E-03	2.74E-03	9.86E-07	2.98E-06	1.72E-06	1.68E-06	1.52E-06	6.96E-07	6.87E-07	3.29E-08	7.95E-07	1.76E-07	2.28E-07	3.62E-07	6.39E-08	4.53E-08	1.70E-06	8.99E-07	3.82E-07	4.49E-07	1.76E-07	8.99E-07	3.82E-07
179	487308.74	3856986	2.64E-03	2.57E-03	2.54E-03	9.12E-07	2.75E-06	1.59E-06	1.56E-06	1.41E-06	6.44E-07	6.35E-07	3.05E-08	7.36E-07	1.62E-07	2.11E-07	3.35E-07	5.91E-08	4.19E-08	1.58E-06	8.32E-07	3.53E-07	4.15E-07	1.63E-07	8.32E-07	3.53E-07
180	487358.74	3856986	2.46E-03	2.40E-03	2.37E-03	8.51E-07	2.57E-06	1.49E-06	1.45E-06	1.32E-06	6.01E-07	5.93E-07	2.84E-08	6.87E-07	1.52E-07	1.97E-07	3.13E-07	5.51E-08	3.91E-08	1.47E-06	7.76E-07	3.29E-07	3.87E-07	1.52E-07	7.76E-07	3.29E-07
181	487208.74	3857036	3.48E-03	3.40E-03	3.35E-03	1.21E-06	3.64E-06	2.11E-06	2.06E-06	1.86E-06	8.50E-07	8.39E-07	4.02E-08	9.72E-07	2.15E-07	2.79E-07	4.43E-07	7.80E-08	5.53E-08	2.08E-06	1.10E-06	4.66E-07	5.48E-07	2.15E-07	1.10E-06	4.66E-07
182	487258.74	3857036	3.14E-03	3.07E-03	3.03E-03	1.09E-06	3.28E-06	1.90E-06	1.86E-06	1.68E-06	7.67E-07	7.57E-07	3.63E-08	8.77E-07	1.94E-07	2.52E-07	4.00E-07	7.04E-08	4.99E-08	1.88E-06	9.92E-07	4.21E-07	4.95E-07	1.94E-07	9.92E-07	4.21E-07
183	487308.74	3857036	2.87E-03	2.80E-03	2.77E-03	9.95E-07	3.00E-06	1.74E-06	1.70E-06	1.54E-06	7.02E-07	6.93E-07	3.32E-08	8.03E-07	1.77E-07	2.30E-07	3.66E-07	6.44E-08	4.57E-08	1.72E-06	9.07E-07	3.85E-07	4.53E-07	1.78E-07	9.07E-07	3.85E-07
184	487358.74	3857036	2.66E-03	2.59E-03	2.56E-03	9.20E-07	2.78E-06	1.61E-06	1.57E-06	1.42E-06	6.49E-07	6.41E-07	3.07E-08	7.42E-07	1.64E-07	2.13E-07	3.38E-07	5.96E-08	4.23E-08	1.59E-06	8.39E-07	3.56E-07	4.19E-07	1.65E-07	8.39E-07	3.56E-07
185	487427.14	3856878	1.99E-03	1.94E-03	1.91E-03	6.87E-07	2.08E-06	1.20E-06	1.17E-06	1.06E-06	4.85E-07	4.79E-07	2.30E-08	5.55E-07	1.22E-07	1.59E-07	2.53E-07	4.45E-08	3.16E-08	1.19E-06	6.27E-07	2.66E-07	3.13E-07	1.23E-07	6.27E-07	2.66E-07
186	487477.14	3856878	1.90E-03	1.85E-03	1.83E-03	6.57E-07	1.98E-06	1.15E-06	1.12E-06	1.02E-06	4.63E-07	4.57E-07	2.19E-08	5.30E-07	1.17E-07	1.52E-07	2.41E-07	4.25E-08	3.02E-08	1.13E-06	5.99E-07	2.54E-07	2.99E-07	1.17E-07	5.99E-07	2.54E-07
187	487527.14	3856878	1.82E-03	1.77E-03	1.75E-03	6.29E-07	1.90E-06	1.10E-06	1.07E-06	9.73E-07	4.44E-07	4.38E-07	2.10E-08	5.08E-07	1.12E-07	1.46E-07	2.31E-07	4.08E-08	2.89E-08	1.09E-06	5.74E-07	2.44E-07	2.86E-07	1.13E-07	5.74E-07	2.44E-07
188	487427.14	3856928	2.10E-03	2.05E-03	2.02E-03	7.28E-07	2.20E-06	1.27E-06	1.24E-06	1.13E-06	5.13E-07	5.07E-07	2.43E-08	5.87E-07	1.30E-07	1.69E-07	2.67E-07	4.71E-08	3.34E-08	1.26E-06	6.63E-07	2.82E-07	3.31E-07	1.30E-07	6.63E-07	2.82E-07
189	487477.14	3856928	2.00E-03	1.95E-03	1.93E-03	6.92E-07	2.09E-06	1.21E-06	1.18E-06	1.07E-06	4.88E-07	4.82E-07	2.31E-08	5.58E-07	1.23E-07	1.60E-07	2.54E-07	4.48E-08	3.18E-08	1.20E-06	6.31E-07	2.68E-07	3.15E-07	1.24E-07	6.31E-07	2.68E-07
190	487527.14	3856928	1.91E-03	1.86E-03	1.84E-03	6.61E-07	2.00E-06	1.16E-06	1.13E-06	1.02E-06	4.67E-07	4.60E-07	2.21E-08	5.33E-07	1.18E-07	1.53E-07	2.43E-07	4.28E-08	3.04E-08	1.14E-06	6.03E-07	2.56E-07	3.01E-07	1.18E-07	6.03E-07	2.56E-07
191	487577.14	3856928	1.83E-03	1.79E-03	1.76E-03	6.34E-07	1.91E-06	1.11E-06	1.08E-06	9.80E-07	4.47E-07	4.41E-07	2.12E-08	5.11E-07	1.13E-07	1.47E-07	2.33E-07	4.10E-08	2.91E-08	1.09E-06	5.78E-07	2.45E-07	2.88E-07	1.13E-07	5.78E-07	2.45E-07
192	487627.14	3856928	1.76E-03	1.72E-03	1.69E-03	6.09E-07	1.84E-06	1.06E-06	1.04E-06	9.41E-07	4.30E-07	4.24E-07	2.03E-08	4.91E-07	1.08E-07	1.41E-07	2.24E-07	3.94E-08	2.80E-08	1.05E-06	5.55E-07	2.36E-07	2.77E-07	1.09E-07	5.55E-07	2.36E-07
193	487677.14	3856928	1.69E-03	1.65E-03	1.63E-03	5.87E-07	1.77E-06	1.03E-06	1.00E-06	9.07E-07	4.14E-07	4.08E-07	1.96E-08	4.73E-07	1.04E-07	1.36E-07	2.15E-07	3.80E-08	2.69E-08	1.01E-06	5.35E-07	2.27E-07	2.67E-07	1.05E-07	5.35E-07	2.27E-07
194	487727.14	3856928	1.64E-03	1.60E-03	1.58E-03	5.67E-07	1.71E-06	9.90E-07	9.66E-07	8.76E-07	4.00E-07	3.94E-07	1.89E-08	4.57E-07	1.01E-07	1.31E-07	2.08E-07	3.67E-08	2.60E-08	9.79E-07	5.17E-07	2.19E-07	2.58E-07	1.01E-07	5.17E-07	2.19E-07
195	487777.14	3856928	1.58E-03	1.54E-03	1.52E-03	5.48E-07	1.65E-06	9.58E-07	9.35E-07	8.47E-07	3.87E-07	3.82E-07	1.83E-08	4.42E-07	9.75E-08	1.27E-07	2.01E-07	3.55E-08	2.52E-08	9.47E-07	5.00E-07	2.12E-07	2.49E-07	9.80E-08	5.00E-07	2.12E-07
196	487427.14	3856978	2.24E-03	2.18E-03	2.15E-03	7.74E-07	2.34E-06	1.35E-06	1.32E-06	1.20E-06	5.46E-07	5.39E-07	2.59E-08	6.25E-07	1.38E-07	1.79E-07	2.84E-07	5.01E-08	3.56E-08	1.34E-06	7.06E-07	3.00E-07	3.52E-07	1.38E-07	7.06E-07	3.00E-07
197	487477.14	3856978	2.12E-03	2.07E-03	2.04E-03	7.33E-07	2.21E-06	1.28E-06	1.25E-06	1.13E-06	5.17E-07	5.11E-07	2.45E-08	5.92E-07	1.31E-07	1.70E-07	2.69E-07	4.75E-08	3.37E-08	1.27E-06	6.69E-07	2.84E-07	3.34E-07	1.31E-07	6.69E-07	2.84E-07
198	487527.14	3856978	2.02E-03	1.97E-03	1.94E-03	6.98E-07	2.11E-06	1.22E-06	1.19E-06	1.08E-06	4.92E-07	4.86E-07	2.33E-08	5.63E-07	1.24E-07	1.62E-07	2.56E-07	4.52E-08	3.20E-08	1.21E-06	6.36E-07	2.70E-07	3.18E-07	1.25E-07	6.36E-07	2.70E-07
199	487577.14	3856978	1.93E-03	1.88E-03	1.85E-03	6.66E-07	2.01E-06	1.16E-06	1.14E-06	1.03E-06	4.70E-07	4.64E-07	2.23E-08	5.38E-07	1.19E-07	1.54E-07	2.45E-07	4.31E-08	3.06E-08	1.15E-06	6.08E-07	2.58E-07	3.03E-07	1.19E-07	6.08E-07	2.58E-07
200	487627.14	3856978	1.84E-03	1.80E-03	1.77E-03	6.38E-07	1.93E-06	1.12E-06	1.09E-06	9.87E-07	4.50E-07	4.44E-07	2.13E-08	5.15E-07	1.14E-07	1.48E-07	2.34E-07	4.13E-08	2.93E-08	1.10E-06	5.82E-07	2.47E-07	2.90E-07	1.14E-07	5.82E-07	2.47E-07
201	487677.14	3856978	1.77E-03	1.73E-03	1.71E-03	6.13E-07	1.85E-06	1.07E-06	1.05E-06	9.48E-07	4.33E-07	4.27E-07	2.05E-08	4.95E-07	1.09E-07	1.42E-07	2.25E-07	3.97E-08	2.82E-08	1.06E-06	5.59E-07	2.37E-07	2.79E-07	1.10E-07	5.59E-07	2.37E-07
202	487727.14	3856978	1.70E-03	1.66E-03	1.64E-03	5.90E-07	1.78E-06	1.03E-06	1.01E-06	9.12E-07	4.16E-07	4.11E-07	1.97E-08	4.76E-07	1.05E-07	1.37E-07	2.17E-07	3.82E-08	2.71E-08	1.02E-06	5.38E-07	2.28E-07	2.68E-07	1.05E-07	5.38E-07	2.28E-07
203	487777.14	3856978	1.65E-03	1.61E-03	1.59E-03	5.70E-07	1.72E-06	9.97E-07	9.73E-07	8.82E-07	4.02E-07	3.97E-07	1.90E-08	4.60E-07	1.02E-07	1.32E-07	2.10E-07	3.69E-08	2.62E-08	9.85E-07	5.20E-07	2.21E-07	2.60E-07	1.02E-07	5.20E-07	2.21E-07
204	487427.14	3857028	2.39E-03	2.34E-03	2.30E-03	8.28E-07	2.50E-06	1.45E-06	1.41E-06	1.28E-06	5.84E-07	5.77E-07	2.77E-08	6.68E-07	1.47E-07	1.92E-07	3.04E-07	5.36E-08	3.80E-08	1.43E-06	7.55E-07	3.20E-07	3.77E-07	1.48E-07	7.55E-07	3.20E-07
205	487477.14	3857028	2.25E-03	2.20E-03	2.17E-03	7.80E-07	2.36E-06	1.36E-06	1.33E-06	1.21E-06	5.51E-07	5.43E-07	2.61E-08	6.29E-07	1.39E-07	1.81E-07	2.87E-07	5.05E-08	3.58E-08	1.35E-06	7.12E-07	3.02E-07	3.55E-07	1.40E-07	7.12E-07	3.02E-07
206	487527.14	3857028	2.13E-03	2.08E-03	2.06E-03	7.39E-07	2.23E-06	1.29E-06	1.26E-06	1.14E-06	5.21E-07	5.14E-07	2.47E-08	5.96E-07	1.32E-07	1.71E-07	2.71E-07	4.78E-08	3.39E-08	1.28E-06	6.74E-07	2.86E-07	3.36E-07	1.32E-07	6.74E-07	2.86E-07
207	487577.14	3857028	2.03E-03	1.98E-03	1.96E-03	7.03E-07	2.12E-06	1.23E-06	1.20E-06	1.09E-06	4.96E-07	4.89E-07	2.35E-08	5.67E-07	1.25E-07	1.63E-07	2.58E-07	4.55E-08	3.23E-08	1.21E-06	6.41E-07	2.72E-07	3.20E-07	1.26E-07	6.41E-07	2.72E-07
208	487627.14	3857028	1.94E-03	1.89E-03	1.87E-03	6.71E-07	2.03E-06	1.17E-06	1.14E-06	1.04E-06	4.73E-07	4.67E-07	2.24E-08	5.41E-07	1.19E-07	1.55E-07	2.46E-07	4.34E-08	3.08E-08	1.16E-06	6.12E-07	2.59E-07	3.05E-07	1.20E-07	6.12E-07	2.59E-07
209	487677.14	3857028	1.86E-03	1.81E-03	1.79E-03	6.43E-07	1.94E-06	1.12E-06	1.10E-06	9.94E-07	4.53E-07	4.47E-07	2.15E-08	5.18E-07	1.14E-07	1.49E-07	2.36E-07	4.16E-08	2.95E-08	1.11E-06	5.86E-07	2.49E-07	2.92E-07	1.15E-07	5.86E-07	2.49E-07
210	487727.14	3857028	1.78E-03	1.74E-03	1.72E-03	6.18E-07	1.87E-06	1.08E-06	1.05E-06	9.55E-07	4.36E-07	4.30E-07	2.06E-08	4.98E-07	1.10E-07	1.43E-07	2.27E-07	4.00E-08	2.84E-08	1.07E-06	5.63E-07	2.39E-07	2.81E-07	1.10E-07	5.63E-07	2.39E-07
211	487777.14	3857028	1.72E-03	1.68E-03	1.66E-03	5.95E-07	1.80E-06	1.04E-06	1.01E-06	9.20E-07	4.20E-07	4.14E-07	1.99E-08	4.80E-07	1.06E-07	1.38E-07	2.19E-07	3.85E-08	2.73E-08	1.03E-06	5.42E-07	2.30E-07	2.71E-07	1.06E-07	5.42E-07	2.30E-07
212	487427.14	3857078	2.58E-03	2.52E-03	2.48E-03	8.92E-07	2.69E-06	1.56E-06	1.52E-06	1.38E-06	6.30E-07	6.21E-07	2.98E-08	7.20E-07	1.59E-07	2.07E-07	3.28E-07	5.78E-08	4.10E-08	1.54E-06	8.14E-07	3.45E-07	4.06E-07	1.60E-07	8.14E-07	3.45E-07
213	487477.14	3857078	2.41E-03	2.35E-03	2.32E-03	8.35E-07	2.52E-06	1.46E-06	1.42E-06	1.29E-06	5.89E-07	5.81E-07	2.79E-08	6.73E-07	1.49E-07	1.93E-07	3.07E-07	5.41E-08	3.83E-08	1.44E-06	7.61E-07	3.23E-07	3.80E-07	1.49E-07	7.61E-07	3.23E-07
214	487527.14	3857078	2.27E-03	2.22E-03	2.19E-03	7.86E-07	2.37E-06	1.37E-06	1.34E-06	1.22E-06	5.55E-07	5.47E-07	2.63E-08	6.34E-07	1.40E-07	1.82E-07	2.89E-07	5.09E-08	3.61E-08	1.36E-06	7.17E-07	3.04E-07	3.58E-07	1.41E-07	7.17E-07	3.04E-07
215	487577.14	3857078	2.15E-03	2.10E-03	2.07E-03	7.45E-07	2.25E-06	1.30E-06	1.27E-06	1.15E-06	5.25E-07	5.18E-07	2.49E-08	6.01E-07	1.33E-07	1.72E-07	2.74E-07	4.82E-08	3.42E-08	1.29E-06	6.79E-07	2.88E-07	3.39E-07	1.33E-07	6.79E-07	2.88E-07

216	487627.14	3857078	2.04E-03	2.00E-03	1.97E-03	7.08E-07	2.14E-06	1.24E-06	1.21E-06	1.09E-06	4.99E-07	4.93E-07	2.36E-08	5.71E-07	1.26E-07	1.64E-07	2.60E-07	4.58E-08	3.25E-08	1.22E-06	6.45E-07	2.74E-07	3.22E-07	1.27E-07	6.45E-07	2.74E-07
217	487677.14	3857078	1.95E-03	1.91E-03	1.88E-03	6.76E-07	2.04E-06	1.18E-06	1.15E-06	1.05E-06	4.77E-07	4.71E-07	2.26E-08	5.45E-07	1.20E-07	1.57E-07	2.48E-07	4.38E-08	3.10E-08	1.17E-06	6.16E-07	2.62E-07	3.08E-07	1.21E-07	6.16E-07	2.62E-07
218	487727.14	3857078	1.87E-03	1.83E-03	1.80E-03	6.48E-07	1.96E-06	1.13E-06	1.10E-06	1.00E-06	4.57E-07	4.51E-07	2.16E-08	5.22E-07	1.15E-07	1.50E-07	2.38E-07	4.19E-08	2.97E-08	1.12E-06	5.91E-07	2.51E-07	2.95E-07	1.16E-07	5.91E-07	2.51E-07
219	487777.14	3857078	1.80E-03	1.75E-03	1.73E-03	6.22E-07	1.88E-06	1.09E-06	1.06E-06	9.62E-07	4.39E-07	4.33E-07	2.08E-08	5.02E-07	1.11E-07	1.44E-07	2.29E-07	4.03E-08	2.86E-08	1.07E-06	5.67E-07	2.41E-07	2.83E-07	1.11E-07	5.67E-07	2.41E-07
220	487427.14	3857128	2.80E-03	2.73E-03	2.70E-03	9.69E-07	2.93E-06	1.69E-06	1.65E-06	1.50E-06	6.84E-07	6.75E-07	3.24E-08	7.82E-07	1.72E-07	2.24E-07	3.56E-07	6.27E-08	4.45E-08	1.67E-06	8.84E-07	3.75E-07	4.41E-07	1.73E-07	8.84E-07	3.75E-07
221	487477.14	3857128	2.60E-03	2.54E-03	2.50E-03	9.00E-07	2.72E-06	1.57E-06	1.53E-06	1.39E-06	6.35E-07	6.26E-07	3.00E-08	7.26E-07	1.60E-07	2.08E-07	3.31E-07	5.83E-08	4.13E-08	1.55E-06	8.20E-07	3.48E-07	4.09E-07	1.61E-07	8.20E-07	3.48E-07
222	487527.14	3857128	2.43E-03	2.37E-03	2.34E-03	8.42E-07	2.54E-06	1.47E-06	1.44E-06	1.30E-06	5.94E-07	5.86E-07	2.81E-08	6.79E-07	1.50E-07	1.95E-07	3.09E-07	5.45E-08	3.87E-08	1.45E-06	7.68E-07	3.26E-07	3.83E-07	1.51E-07	7.68E-07	3.26E-07
223	487577.14	3857128	2.29E-03	2.23E-03	2.21E-03	7.93E-07	2.39E-06	1.39E-06	1.35E-06	1.23E-06	5.59E-07	5.52E-07	2.65E-08	6.39E-07	1.41E-07	1.84E-07	2.91E-07	5.13E-08	3.64E-08	1.37E-06	7.23E-07	3.07E-07	3.61E-07	1.42E-07	7.23E-07	3.07E-07
224	487627.14	3857128	2.17E-03	2.12E-03	2.09E-03	7.50E-07	2.27E-06	1.31E-06	1.28E-06	1.16E-06	5.29E-07	5.22E-07	2.51E-08	6.05E-07	1.34E-07	1.74E-07	2.76E-07	4.86E-08	3.45E-08	1.30E-06	6.84E-07	2.90E-07	3.41E-07	1.34E-07	6.84E-07	2.90E-07
225	487677.14	3857128	2.06E-03	2.01E-03	1.98E-03	7.14E-07	2.15E-06	1.25E-06	1.22E-06	1.10E-06	5.03E-07	4.97E-07	2.38E-08	5.76E-07	1.27E-07	1.65E-07	2.62E-07	4.62E-08	3.28E-08	1.23E-06	6.51E-07	2.76E-07	3.25E-07	1.28E-07	6.51E-07	2.76E-07
226	487727.14	3857128	1.97E-03	1.92E-03	1.90E-03	6.81E-07	2.06E-06	1.19E-06	1.16E-06	1.05E-06	4.81E-07	4.74E-07	2.28E-08	5.50E-07	1.21E-07	1.58E-07	2.50E-07	4.41E-08	3.13E-08	1.18E-06	6.21E-07	2.64E-07	3.10E-07	1.22E-07	6.21E-07	2.64E-07
227	487777.14	3857128	1.89E-03	1.84E-03	1.82E-03	6.53E-07	1.97E-06	1.14E-06	1.11E-06	1.01E-06	4.60E-07	4.54E-07	2.18E-08	5.26E-07	1.16E-07	1.51E-07	2.40E-07	4.23E-08	3.00E-08	1.13E-06	5.95E-07	2.52E-07	2.97E-07	1.17E-07	5.95E-07	2.52E-07
228	488049.44	3856539	1.11E-03	1.08E-03	1.07E-03	3.84E-07	1.16E-06	6.71E-07	6.55E-07	5.94E-07	2.71E-07	2.67E-07	1.28E-08	3.10E-07	6.84E-08	8.89E-08	1.41E-07	2.49E-08	1.76E-08	6.63E-07	3.50E-07	1.49E-07	1.75E-07	6.87E-08	3.50E-07	1.49E-07
229	488099.44	3856539	1.09E-03	1.06E-03	1.05E-03	3.77E-07	1.14E-06	6.59E-07	6.43E-07	5.83E-07	2.66E-07	2.63E-07	1.26E-08	3.04E-07	6.71E-08	8.73E-08	1.39E-07	2.44E-08	1.73E-08	6.52E-07	3.44E-07	1.46E-07	1.72E-07	6.74E-08	3.44E-07	1.46E-07
230	488149.44	3856539	1.07E-03	1.04E-03	1.03E-03	3.71E-07	1.12E-06	6.48E-07	6.32E-07	5.73E-07	2.62E-07	2.58E-07	1.24E-08	2.99E-07	6.60E-08	8.58E-08	1.36E-07	2.40E-08	1.70E-08	6.40E-07	3.38E-07	1.43E-07	1.69E-07	6.63E-08	3.38E-07	1.43E-07
231	488049.44	3856589	1.14E-03	1.11E-03	1.09E-03	3.93E-07	1.19E-06	6.87E-07	6.70E-07	6.08E-07	2.77E-07	2.74E-07	1.31E-08	3.17E-07	6.99E-08	9.10E-08	1.44E-07	2.54E-08	1.80E-08	6.79E-07	3.58E-07	1.52E-07	1.79E-07	7.02E-08	3.58E-07	1.52E-07
232	488099.44	3856589	1.11E-03	1.09E-03	1.07E-03	3.86E-07	1.16E-06	6.74E-07	6.58E-07	5.96E-07	2.72E-07	2.68E-07	1.29E-08	3.11E-07	6.86E-08	8.93E-08	1.42E-07	2.50E-08	1.77E-08	6.66E-07	3.52E-07	1.49E-07	1.75E-07	6.89E-08	3.52E-07	1.49E-07
233	488149.44	3856589	1.09E-03	1.07E-03	1.05E-03	3.79E-07	1.14E-06	6.62E-07	6.46E-07	5.86E-07	2.67E-07	2.64E-07	1.27E-08	3.06E-07	6.74E-08	8.77E-08	1.39E-07	2.45E-08	1.74E-08	6.55E-07	3.45E-07	1.47E-07	1.72E-07	6.77E-08	3.45E-07	1.47E-07
234	488199.44	3856589	1.07E-03	1.05E-03	1.04E-03	3.72E-07	1.12E-06	6.50E-07	6.35E-07	5.75E-07	2.63E-07	2.59E-07	1.24E-08	3.00E-07	6.62E-08	8.62E-08	1.37E-07	2.41E-08	1.71E-08	6.43E-07	3.39E-07	1.44E-07	1.69E-07	6.65E-08	3.39E-07	1.44E-07
235	488249.44	3856589	1.06E-03	1.03E-03	1.02E-03	3.67E-07	1.11E-06	6.41E-07	6.26E-07	5.67E-07	2.59E-07	2.55E-07	1.22E-08	2.96E-07	6.53E-08	8.49E-08	1.35E-07	2.37E-08	1.68E-08	6.34E-07	3.34E-07	1.42E-07	1.67E-07	6.56E-08	3.34E-07	1.42E-07
236	488049.44	3856639	1.16E-03	1.13E-03	1.12E-03	4.02E-07	1.21E-06	7.03E-07	6.86E-07	6.22E-07	2.84E-07	2.80E-07	1.34E-08	3.24E-07	7.16E-08	9.32E-08	1.48E-07	2.60E-08	1.85E-08	6.95E-07	3.67E-07	1.56E-07	1.83E-07	7.19E-08	3.67E-07	1.56E-07
237	488099.44	3856639	1.14E-03	1.11E-03	1.10E-03	3.95E-07	1.19E-06	6.90E-07	6.73E-07	6.10E-07	2.78E-07	2.75E-07	1.32E-08	3.18E-07	7.02E-08	9.14E-08	1.45E-07	2.56E-08	1.81E-08	6.82E-07	3.60E-07	1.53E-07	1.80E-07	7.06E-08	3.60E-07	1.53E-07
238	488149.44	3856639	1.12E-03	1.09E-03	1.08E-03	3.87E-07	1.17E-06	6.77E-07	6.61E-07	5.99E-07	2.73E-07	2.70E-07	1.29E-08	3.12E-07	6.89E-08	8.97E-08	1.42E-07	2.51E-08	1.78E-08	6.69E-07	3.53E-07	1.50E-07	1.76E-07	6.92E-08	3.53E-07	1.50E-07
239	488199.44	3856639	1.10E-03	1.07E-03	1.06E-03	3.81E-07	1.15E-06	6.66E-07	6.50E-07	5.89E-07	2.69E-07	2.65E-07	1.27E-08	3.07E-07	6.78E-08	8.82E-08	1.40E-07	2.47E-08	1.75E-08	6.58E-07	3.47E-07	1.47E-07	1.73E-07	6.81E-08	3.47E-07	1.47E-07
240	488249.44	3856639	1.08E-03	1.06E-03	1.04E-03	3.74E-07	1.13E-06	6.54E-07	6.39E-07	5.79E-07	2.64E-07	2.61E-07	1.25E-08	3.02E-07	6.66E-08	8.67E-08	1.38E-07	2.42E-08	1.72E-08	6.47E-07	3.41E-07	1.45E-07	1.70E-07	6.69E-08	3.41E-07	1.45E-07
241	488299.44	3856639	1.06E-03	1.04E-03	1.02E-03	3.68E-07	1.11E-06	6.44E-07	6.28E-07	5.70E-07	2.60E-07	2.56E-07	1.23E-08	2.97E-07	6.56E-08	8.53E-08	1.35E-07	2.39E-08	1.69E-08	6.36E-07	3.36E-07	1.43E-07	1.68E-07	6.59E-08	3.36E-07	1.43E-07
242	488349.44	3856639	1.05E-03	1.02E-03	1.01E-03	3.62E-07	1.09E-06	6.33E-07	6.18E-07	5.60E-07	2.56E-07	2.52E-07	1.21E-08	2.92E-07	6.45E-08	8.39E-08	1.33E-07	2.35E-08	1.66E-08	6.26E-07	3.30E-07	1.40E-07	1.65E-07	6.48E-08	3.30E-07	1.40E-07
243	488399.44	3856639	1.03E-03	1.01E-03	9.93E-04	3.57E-07	1.08E-06	6.24E-07	6.09E-07	5.52E-07	2.52E-07	2.49E-07	1.19E-08	2.88E-07	6.36E-08	8.27E-08	1.31E-07	2.31E-08	1.64E-08	6.17E-07	3.26E-07	1.38E-07	1.63E-07	6.39E-08	3.26E-07	1.38E-07
244	488099.44	3856689	1.17E-03	1.14E-03	1.12E-03	4.04E-07	1.22E-06	7.07E-07	6.90E-07	6.25E-07	2.85E-07	2.81E-07	1.35E-08	3.26E-07	7.20E-08	9.36E-08	1.49E-07	2.62E-08	1.86E-08	6.98E-07	3.69E-07	1.56E-07	1.84E-07	7.23E-08	3.69E-07	1.56E-07
245	488149.44	3856689	1.15E-03	1.12E-03	1.10E-03	3.97E-07	1.20E-06	6.93E-07	6.76E-07	6.13E-07	2.80E-07	2.76E-07	1.32E-08	3.20E-07	7.06E-08	9.18E-08	1.46E-07	2.57E-08	1.82E-08	6.85E-07	3.62E-07	1.53E-07	1.80E-07	7.09E-08	3.62E-07	1.53E-07
246	488199.44	3856689	1.13E-03	1.10E-03	1.08E-03	3.89E-07	1.18E-06	6.81E-07	6.64E-07	6.02E-07	2.75E-07	2.71E-07	1.30E-08	3.14E-07	6.93E-08	9.02E-08	1.43E-07	2.52E-08	1.79E-08	6.73E-07	3.55E-07	1.51E-07	1.77E-07	6.96E-08	3.55E-07	1.51E-07
247	488249.44	3856689	1.10E-03	1.08E-03	1.06E-03	3.82E-07	1.15E-06	6.68E-07	6.52E-07	5.91E-07	2.70E-07	2.66E-07	1.28E-08	3.08E-07	6.81E-08	8.86E-08	1.40E-07	2.48E-08	1.76E-08	6.61E-07	3.49E-07	1.48E-07	1.74E-07	6.84E-08	3.49E-07	1.48E-07
248	488299.44	3856689	1.09E-03	1.06E-03	1.05E-03	3.77E-07	1.14E-06	6.58E-07	6.42E-07	5.82E-07	2.66E-07	2.62E-07	1.26E-08	3.04E-07	6.70E-08	8.72E-08	1.38E-07	2.44E-08	1.73E-08	6.51E-07	3.43E-07	1.46E-07	1.71E-07	6.73E-08	3.43E-07	1.46E-07
249	488349.44	3856689	1.07E-03	1.04E-03	1.03E-03	3.70E-07	1.12E-06	6.47E-07	6.32E-07	5.72E-07	2.61E-07	2.58E-07	1.24E-08	2.99E-07	6.59E-08	8.57E-08	1.36E-07	2.40E-08	1.70E-08	6.40E-07	3.38E-07	1.43E-07	1.68E-07	6.62E-08	3.38E-07	1.43E-07
250	488399.44	3856689	1.05E-03	1.03E-03	1.01E-03	3.64E-07	1.10E-06	6.36E-07	6.20E-07	5.62E-07	2.57E-07	2.53E-07	1.21E-08	2.93E-07	6.47E-08	8.42E-08	1.34E-07	2.35E-08	1.67E-08	6.28E-07	3.32E-07	1.41E-07	1.65E-07	6.50E-08	3.32E-07	1.41E-07
251	488099.44	3856739	1.20E-03	1.17E-03	1.15E-03	4.15E-07	1.25E-06	7.25E-07	7.07E-07	6.41E-07	2.93E-07	2.89E-07	1.38E-08	3.34E-07	7.38E-08	9.60E-08	1.52E-07	2.68E-08	1.90E-08	7.16E-07	3.78E-07	1.60E-07	1.89E-07	7.41E-08	3.78E-07	1.60E-07
252	488149.44	3856739	1.17E-03	1.14E-03	1.13E-03	4.06E-07	1.23E-06	7.10E-07	6.93E-07	6.28E-07	2.87E-07	2.83E-07	1.36E-08	3.28E-07	7.23E-08	9.41E-08	1.49E-07	2.63E-08	1.86E-08	7.02E-07	3.70E-07	1.57E-07	1.85E-07	7.26E-08	3.70E-07	1.57E-07
253	488199.44	3856739	1.15E-03	1.12E-03	1.11E-03	3.99E-07	1.20E-06	6.97E-07	6.80E-07	6.17E-07	2.81E-07	2.78E-07	1.33E-08	3.22E-07	7.10E-08	9.24E-08	1.47E-07	2.58E-08	1.83E-08	6.89E-07	3.64E-07	1.54E-07	1.82E-07	7.13E-08	3.64E-07	1.54E-07
254	488249.44	3856739	1.13E-03	1.10E-03	1.09E-03	3.91E-07	1.18E-06	6.84E-07	6.68E-07	6.05E-07	2.76E-07	2.73E-07	1.31E-08	3.16E-07	6.97E-08	9.07E-08	1.44E-07	2.53E-08	1.80E-08	6.76E-07	3.57E-07	1.51E-07	1.78E-07	7.00E-08	3.57E-07	1.51E-07
255	488299.44	3856739	1.11E-03	1.08E-03	1.07E-03	3.84E-07	1.16E-06	6.71E-07	6.55E-07	5.94E-07	2.71E-07	2.67E-07	1.28E-08	3.10E-07	6.84E-08	8.89E-08	1.41E-07	2.49E-08	1.76E-08	6.63E-07	3.50E-07	1.49E-07	1.75E-07	6.87E-08	3.50E-07	1.49E-07
256	488349.44	3856739	1.09E-03	1.07E-03	1.05E-03	3.78E-07	1.14E-06	6.61E-07	6.45E-07	5.85E-07	2.67E-07	2.63E-07	1.26E-08	3.05E-07	6.73E-08	8.76E-08	1.39E-07	2.45E-08	1.74E-08	6.53E-07	3.45E-07	1.46E-07	1.72E-07	6.76E-08	3.45E-07	1.46E-07
257	488399.44	3856739	1.08E-03	1.05E-03	1.04E-03	3.73E-07	1.12E-06	6.51E-07	6.35E-07	5.76E-07	2.63E-07	2.59E-07	1.24E-08	3.00E-07	6.63E-08	8.63E-08	1.37E-07	2.41E-08	1.71E-08	6.44E-07	3.40E-07	1.44E-07	1.70E-07	6.66E-08	3.40E-07	1.44E-07
258	487999.44	3856789	1.28E-03	1.25E-03	1.23E-03	4.44E-07	1.34E-06	7.76E-07	7.57E-07	6.86E-07	3.13E-07	3.09E-07	1.48E-08	3.58E-07	7.90E-08	1.03E-07	1.63E-07	2.87E-08	2.04E-08	7.67E-07	4.05E-07	1.72E-07	2.02E-07	7.93E-08	4.05E-07	1.72E-07
259	488049.44	3856789	1.25E-03	1.22E-03	1.21E-03	4.34E-07	1.31E-06	7.59E-07	7.40E-07	6.71E-07	3.06E-07	3.02E-07	1.45E-08	3.50E-07	7.72E-08	1.01E-07	1.59E-07	2.81E-08	1.99E-08	7.50E-07	3.96E-07	1.68E-07	1.98E-07	7.76E-08	3.96E-07	1.68E-07
260	488099.44	3856789	1.23E-03	1.20E-03	1.18E-03	4.25E-07	1.28E-06	7.44E-07	7.26E-07	6.58E-07	3.00E-07	2.96E-07	1.42E-08	3.43E-07	7.57E-08	9.85E-08	1.56E-07	2.75E-08	1.95E-08	7.35E-07	3.88E-07	1.65E-07	1.94E-07	7.61E-08	3.88E-07	1.65E-07
261	488149.44	3856789	1.20E-03	1.17E-03	1.16E-03	4.17E-07	1.26E-06	7.28E-07	7.11E-07	6.44E-07	2.94E-07	2.90E-07	1.39E-08	3.36E-07	7.42E-08	9.65E-08	1.53E-07	2.70E-08	1.91E-08	7.20E-07	3.80E-07	1.61E-07	1.90E-07	7.45E-08	3.80E-07	1.61E-07
262	488199.44	3856789	1.18E-03	1.15E-03	1.14E-03	4.09E-07	1.23E-06	7.14E-07	6.97E-07	6.32E-07	2.88E-07	2.85E-07	1.36E-08	3.30E-07	7.27E-08	9.47E-08	1.50E-07	2.65E-08	1.88E-08	7.06E-07	3.73E-07	1.58E-07	1.86E-07	7.31E-08	3.73E-07	1.58E-07
263	488249.44	3856789	1.16E-03	1.13E-03	1.11E-03	4.01E-07	1.21E-06	7.01E-07	6.84E-07	6.20E-07	2.83E-07	2.79E-07	1.34E-08	3.23E-07	7.13E-08	9.28E-08	1.47E-07	2.60E-08	1.84E-08	6.92E-07	3.65E-07	1.55E-07	1.82E-07	7.17E-08	3.65E-07	1.55E-07
264	488299.44	3856789	1.14E-03	1.11E-03	1.09E-03	3.93E-07	1.19E-06	6.87E-07	6.71E-07	6.08E-07	2.77E-07	2.74E-07	1.31E-08	3.17E-07	7.00E-08	9.11E-08	1.44E-07	2.55E-08	1.81E-08	6.79E-07	3.59E-07	1.52E-07	1.79E-07	7.03E-08	3.59E-07	1.52E-07
265	488349.44	3856789	1.12E-03	1.09E-03	1.08E-03	3.87E-07	1.17E-06	6.76E-07	6.60E-07	5.98E-07	2.73E-07	2.69E-07	1.29E-08	3.12E-07	6.89E-08	8.96E-08	1.42E-07	2.51E-08	1.78E-08	6.68E-07	3.53E-07	1.50E-07	1.76E-07	6.92E-08	3.53E-07	1.50E-07
266	488399.44	3856789	1.10E-03	1.07E-03	1.06E-03	3.81E-07	1.15E-06	6.65E-07	6.49E-07	5.88E-07	2.69E-07	2.65E-07	1.27E-08	3.07E-07	6.77E-08	8.81E-08	1.40E-07	2.46E-08	1.75E-08	6.57E-07	3.47E-07	1.47E-07	1.73E-07	6.80E-08	3.47E-07	1.47E-07
267	487949.44	3856839	1.35E-03	1.32E-03	1.30E-03	4.68E-07	1.41E-06	8.18E-07	7.98E-07	7.23E-07	3.30E-07	3.26E-07	1.56E-08	3.77E-07	8.33E-08	1.08E-07	1.72E-07	3.03E-08	2.15E-08	8.08E-07	4.27E-07	1.81E-07	2.13E-07	8.37E-08	4.27E-07	1.81E-07
268	487999.44	3856839	1.32E-03	1.29E-03	1.27E-03	4.57E-07	1.38E-06	7.98E-07	7.79E-07	7.06E-07	3.22E-07	3.18E-07	1.53E-08	3.68E-07	8.13E-08	1.06E-07	1.68E-07	2.96E-08	2.10E-08	7.89E-07	4.16E-07	1.77E-07	2.08E-07	8.17E-08	4.16E-07	1.77E-07
269	488049.44	3856839	1.29E-03	1.26E-03	1.24E-03	4.46E-07	1.35E-06	7.80E-07	7.61E-07	6.90E-07	3.15E-07	3.11E-07	1.49E-08	3.60E-07	7.94E-08	1.03E-07	1.64E-07	2.89E-08	2.05E-08	7.71E-07	4.07E-07	1.73E-07	2.03E-07	7.98E-08	4.07E-07	1.73E-07
270	488099.44	3856839	1.26E-03	1.23E-03	1.21E-03	4.37E-07	1.32E-06	7.63E-07	7.45E-07	6.75E-07	3.08E-07	3.04E-07	1.46E-08	3.52E-07	7.77E-08	1.01E-07	1.60E-07	2.83E-08	2.01E-08	7.55E-07	3.98E-07	1.69E-07	1.99E-07	7.81E-08	3.98E-07	1.69E-07
271	488149.44	3856839	1.24E-03	1.21E-03	1.19E-03	4.28E-07	1.29E-06	7.48E-07	7.29E-07	6.61E-07	3.02E-07	2.98E-07	1.43E-08	3.45E-07	7.61E-08	9.90E-08	1.57E-07	2.77E-08	1.96E-08	7.39E-07	3.90E-07	1.65E-07	1.95E-07	7.65E-08	3.90E-07	1.65E-07
272	488199.44	3856839	1.21E-03	1.18E-03	1.17E-03	4.19E-07	1.27E-06	7.33E-07	7.15E-07	6.48E-07	2.96E-07	2.92E-07	1.40E-08	3.38E-07	7.46E-08	9.71E-08	1.54E-07	2.71E-08	1.92E-08	7.24E-07	3.82E-07	1.62E-07	1.91E-07	7.49E-08	3.82E-07	1.62E-07
273	487949.44	3856889	1.39E-03	1.36E-03	1.34E-03	4.82E-07	1.46E-06	8.43E-07	8.23E-07	7.46E-07	3.40E-07	3.36E-07	1.61E-08	3.89E-07	8.59E-08	1.12E-07	1.77E-07	3.12E-08	2.22E-08	8.33E-07	4.40E-07	1.87E-07	2.20E-07	8.62E-08	4.40E-07	1.87E-07
274	487999.44	3856889	1.36E-03	1.33E-03	1.31E-03	4.71E-07	1.42E-06	8.23E-07	8.03E-07	7.28E-07	3.32E-07	3.28E-07	1.57E-08	3.80E-07	8.38E-08	1.09E-07	1.73E-07	3.05E-08	2.16E-08	8.14E-07	4.29E-07	1.82E-07	2.14E-07	8.42E-08	4.29E-07	1.82E-07
275	488049.44	3856889	1.33E-03	1.29E-03	1.28E-03	4.59E-07	1.39E-06	8.03E-07	7.83E-07	7.10E-07	3.24E-07	3.20E-07	1.53E-08	3.70E-07	8.17E-08	1.06E-07	1.69E-07	2.97E-08	2.11E-08	7.93E-07	4.19E-07	1.78E-07	2.09E-07	8.21E-08	4.19E-07	1.78E-07
276	488099.44	3856889	1.30E-03	1.27E-03	1.25E-03	4.49E-07	1.36E-06	7.85E-07	7.66E-07	6.94E-07	3.17E-07	3.13E-07	1.50E-08	3.62E-07	7.99E-08	1.04E-07	1.65E-07	2.91E-08	2.06E-08	7.76E-07	4.09E-07	1.74E-07	2.04E-07	8.03E-08	4.09E-07	1.74E-07
277	488635.86	3857895	2.08E-03	2.03E-03	2.00E-03	7.19E-07	2.17E-06	1.26E-06	1.23E-06	1.11E-06	5.07E-07	5.00E-07	2.40E-08	5.80E-07	1.28E-07	1.66E-07	2.64E-07	4.65E-08	3.30E-08	1.24E-06	6.55E-07	2.78E-07	3.27E-07	1.28E-07	6.55E-07	2.78E-07
278	489137.64	3857804	1.43E-03	1.39E-03	1.37E-03	4.94E-07	1.49E-06	8.63E-07	8.42E-07	7.63E-07	3.48E-07	3.44E-07	1.65E-08	3.98E-07	8.79E-08	1.14E-07	1.81E-07	3.20E-08	2.27E-08	8.53E-07	4.50E-07	1.91E-07	2.25E-07	8.82E-08	4.50E-07	1.91E-07
279	488617.32	3857859	2.03E-03	1.98E-03	1.95E-03	7.02E-07	2.12E-06	1.23E-06	1.20E-06	1.09E-06	4.95E-07	4.89E-07	2.35E-08	5.66E-07	1.25E-07	1.63E-07	2.58E-07	4.55E-08	3.22E-08	1.21E-06	6.40E-07	2.72E-07	3.20E-07	1.26E-07	6.40E-07	2.72E-07
280	488667.32	3857859	1.95E-03	1.91E-03	1.88E-03	6.76E-07	2.04E-06	1.18E-06	1.15E-06	1.05E-06	4.77E-07	4.71E-07	2.26E-08	5.45E-07	1.20E-07	1.57E-07	2.48E-07	4.38E-08	3.10E-08	1.17E-06	6.16E-07	2.62E-07	3.08E-07	1.21E-07	6.16E-07	2.62E-07
281	488717.32	3857859	1.88E-03	1.84E-03	1.81E-03	6.52E-07	1.97E-06	1.14E-06	1.11E-06	1.01E-06	4.60E-07	4.54E-07	2.18E-08	5.26E-07	1.16E-07	1.51E-07	2.40E-07	4.22E-08	3.00E-08	1.13E-06	5.95E-07	2.52E-07	2.97E-07	1.17E-07	5.95E-07	2.52E-07
282	488767.32	3857859	1.82E-03	1.78E-03	1.76E-03	6.31E-07	1.91E-06	1.10E-06	1.08E-06	9.76E-07	4.46E-07	4.40E-07	2.11E-08	5.09E-07	1.12E-07	1.46E-07	2.32E-07	4.09E-08	2.90E-08	1.09E-06	5.76E-07	2.44E-07	2.87E-07	1.13E-07	5.76E-07	2.44E-07
283	488617.32	3857909	2.14E-03	2.09E-03	2.06E-03	7.40E-07	2.24E-06	1.29E-06	1.26E-06	1.14E-06	5.22E-07	5.15E-07	2.47E-08	5.97E-07	1.32E-07	1.71E-07	2.72E-07	4.79E-08	3.40E-08	1.28E-06	6.75E-07	2.86E-07	3.37E-07	1.32E-07	6.75E-07	2.86E-07
284	488667.32	3857909	2.06E-03	2.01E-03	1.98E-03	7.13E-07	2.15E-06	1.25E-06	1.22E-06	1.10E-06	5.03E-07	4.97E-07	2.38E-08	5.75E-07	1.27E-07	1.65E-07	2.62E-07	4.62E-08	3.28E-08	1.23E-06	6.50E-07	2.76E-07	3.25E-07	1.28E-07	6.50E-07	2.76E-07
285	488717.32	3857909	1.98E-03	1.93E-03	1.91E-03	6.85E-07	2.07E-06	1.20E-06	1.17E-06	1.06E-06	4.83E-07	4.77E-07	2.29E-08	5.52E-07	1.22E-07	1.59E-07	2.52E-07	4.43E-08	3.14E-08	1.18E-06	6.24E-07	2.65E-07	3.12E-07	1.22E-07	6.24E-07	2.65E-07
286	488767.32	3857909	1.91E-03	1.87E-03	1.84E-03	6.62E-07	2.00E-06	1.16E-06	1.13E-06	1.02E-06	4.67E-07	4.61E-07	2.21E-08	5.34E-07	1.18E-07	1.53E-07	2.43E-07	4.28E-08	3.04E-08	1.14E-06	6.03E-07	2.56E-07	3.01E-07	1.18E-07	6.03E-07	2.56E-07
287	488417.32	3857959	2.77E-03	2.70E-03	2.67E-03	9.58E-07	2.89E-06	1.68E-06	1.63E-06	1.48E-06	6.76E-07	6.67E-07	3.20E-08	7.73E-07	1.71E-07	2.22E-07	3.52E-07	6.20E-08	4.40E-08	1.66E-06	8.74E-07	3.71E-07	4.36E-07	1.71E-07	8.74E-07	3.71E-07
288	488467.32	3857959	2.62E-03	2.55E-03	2.52E-03	9.06E-07	2.74E-06	1.58E-06	1.55E-06	1.40E-06	6.39E-07	6.31E-07	3.03E-08	7.31E-07	1.61E-07	2.10E-07	3.33E-07	5.87E-08	4.16E-08	1.57E-06	8.26E-07	3.51E-07	4.12E-07	1.62E-07	8.26E-07	3.51E-07
289	488517.32	3857959	2.49E-03	2.43E-03	2.40E-03	8.62E-07	2.60E-06	1.51E-06	1.47E-06	1.33E-06	6.08E-07	6.00E-07	2.88E-08	6.95E-07	1.53E-07	2.00E-07	3.17E-07	5.58E-08	3.96E-08	1.49E-06	7.86E-07	3.33E-07	3.92E-07	1.54E-07	7.86E-07	3.33E-07

290	488567.32	3857959	2.37E-03	2.32E-03	2.28E-03	8.21E-07	2.48E-06	1.44E-06	1.40E-06	1.27E-06	5.80E-07	5.72E-07	2.74E-08	6.63E-07	1.46E-07	1.90E-07	3.02E-07	5.32E-08	3.77E-08	1.42E-06	7.49E-07	3.18E-07	3.74E-07	1.47E-07	7.49E-07	3.18E-07
291	488617.32	3857959	2.27E-03	2.21E-03	2.18E-03	7.85E-07	2.37E-06	1.37E-06	1.34E-06	1.21E-06	5.54E-07	5.46E-07	2.62E-08	6.33E-07	1.40E-07	1.82E-07	2.88E-07	5.08E-08	3.60E-08	1.36E-06	7.15E-07	3.04E-07	3.57E-07	1.40E-07	7.15E-07	3.04E-07
292	488667.32	3857959	2.17E-03	2.12E-03	2.09E-03	7.52E-07	2.27E-06	1.31E-06	1.28E-06	1.16E-06	5.31E-07	5.23E-07	2.51E-08	6.07E-07	1.34E-07	1.74E-07	2.76E-07	4.87E-08	3.45E-08	1.30E-06	6.86E-07	2.91E-07	3.42E-07	1.34E-07	6.86E-07	2.91E-07
293	488717.32	3857959	2.09E-03	2.04E-03	2.01E-03	7.23E-07	2.18E-06	1.26E-06	1.23E-06	1.12E-06	5.10E-07	5.03E-07	2.41E-08	5.83E-07	1.29E-07	1.67E-07	2.66E-07	4.68E-08	3.32E-08	1.25E-06	6.59E-07	2.80E-07	3.29E-07	1.29E-07	6.59E-07	2.80E-07
294	488767.32	3857959	2.01E-03	1.96E-03	1.94E-03	6.96E-07	2.10E-06	1.22E-06	1.19E-06	1.08E-06	4.91E-07	4.85E-07	2.32E-08	5.61E-07	1.24E-07	1.61E-07	2.56E-07	4.51E-08	3.20E-08	1.20E-06	6.35E-07	2.69E-07	3.17E-07	1.24E-07	6.35E-07	2.69E-07
295	488417.32	3858009	3.00E-03	2.92E-03	2.88E-03	1.04E-06	3.13E-06	1.81E-06	1.77E-06	1.60E-06	7.32E-07	7.22E-07	3.46E-08	8.36E-07	1.85E-07	2.40E-07	3.81E-07	6.71E-08	4.76E-08	1.79E-06	9.46E-07	4.01E-07	4.72E-07	1.85E-07	9.46E-07	4.01E-07
296	488467.32	3858009	2.82E-03	2.75E-03	2.72E-03	9.77E-07	2.95E-06	1.71E-06	1.67E-06	1.51E-06	6.89E-07	6.80E-07	3.26E-08	7.88E-07	1.74E-07	2.26E-07	3.59E-07	6.32E-08	4.48E-08	1.69E-06	8.90E-07	3.78E-07	4.44E-07	1.75E-07	8.90E-07	3.78E-07
297	488517.32	3858009	2.67E-03	2.60E-03	2.57E-03	9.24E-07	2.79E-06	1.61E-06	1.58E-06	1.43E-06	6.52E-07	6.43E-07	3.08E-08	7.45E-07	1.64E-07	2.14E-07	3.39E-07	5.98E-08	4.24E-08	1.60E-06	8.42E-07	3.57E-07	4.20E-07	1.65E-07	8.42E-07	3.57E-07
298	488567.32	3858009	2.54E-03	2.47E-03	2.44E-03	8.78E-07	2.65E-06	1.53E-06	1.50E-06	1.36E-06	6.19E-07	6.11E-07	2.93E-08	7.08E-07	1.56E-07	2.03E-07	3.23E-07	5.68E-08	4.03E-08	1.52E-06	8.00E-07	3.40E-07	4.00E-07	1.57E-07	8.00E-07	3.40E-07
299	488617.32	3858009	2.41E-03	2.35E-03	2.32E-03	8.35E-07	2.52E-06	1.46E-06	1.42E-06	1.29E-06	5.89E-07	5.81E-07	2.79E-08	6.74E-07	1.49E-07	1.93E-07	3.07E-07	5.41E-08	3.83E-08	1.44E-06	7.61E-07	3.23E-07	3.80E-07	1.49E-07	7.61E-07	3.23E-07
300	488667.32	3858009	2.30E-03	2.25E-03	2.22E-03	7.97E-07	2.41E-06	1.39E-06	1.36E-06	1.23E-06	5.62E-07	5.55E-07	2.66E-08	6.43E-07	1.42E-07	1.85E-07	2.93E-07	5.16E-08	3.66E-08	1.38E-06	7.27E-07	3.08E-07	3.63E-07	1.43E-07	7.27E-07	3.08E-07
301	488717.32	3858009	2.21E-03	2.15E-03	2.13E-03	7.64E-07	2.31E-06	1.34E-06	1.30E-06	1.18E-06	5.39E-07	5.32E-07	2.55E-08	6.16E-07	1.36E-07	1.77E-07	2.81E-07	4.95E-08	3.51E-08	1.32E-06	6.97E-07	2.96E-07	3.48E-07	1.37E-07	6.97E-07	2.96E-07
302	488767.32	3858009	2.12E-03	2.07E-03	2.04E-03	7.34E-07	2.22E-06	1.28E-06	1.25E-06	1.14E-06	5.18E-07	5.11E-07	2.45E-08	5.92E-07	1.31E-07	1.70E-07	2.70E-07	4.75E-08	3.37E-08	1.27E-06	6.70E-07	2.84E-07	3.34E-07	1.31E-07	6.70E-07	2.84E-07
303	488417.32	3858059	3.27E-03	3.19E-03	3.15E-03	1.13E-06	3.42E-06	1.98E-06	1.93E-06	1.75E-06	8.00E-07	7.89E-07	3.78E-08	9.14E-07	2.02E-07	2.62E-07	4.16E-07	7.34E-08	5.20E-08	1.96E-06	1.03E-06	4.38E-07	5.16E-07	2.03E-07	1.03E-06	4.38E-07
304	488467.32	3858059	3.06E-03	2.99E-03	2.95E-03	1.06E-06	3.20E-06	1.85E-06	1.81E-06	1.64E-06	7.48E-07	7.38E-07	3.54E-08	8.55E-07	1.89E-07	2.46E-07	3.89E-07	6.86E-08	4.87E-08	1.83E-06	9.67E-07	4.10E-07	4.82E-07	1.90E-07	9.67E-07	4.10E-07
305	488517.32	3858059	2.88E-03	2.81E-03	2.77E-03	9.97E-07	3.01E-06	1.74E-06	1.70E-06	1.54E-06	7.03E-07	6.94E-07	3.33E-08	8.04E-07	1.77E-07	2.31E-07	3.66E-07	6.45E-08	4.58E-08	1.72E-06	9.09E-07	3.86E-07	4.54E-07	1.78E-07	9.09E-07	3.86E-07
306	488567.32	3858059	2.72E-03	2.66E-03	2.62E-03	9.43E-07	2.85E-06	1.65E-06	1.61E-06	1.46E-06	6.65E-07	6.57E-07	3.15E-08	7.61E-07	1.68E-07	2.18E-07	3.46E-07	6.11E-08	4.33E-08	1.63E-06	8.60E-07	3.65E-07	4.29E-07	1.69E-07	8.60E-07	3.65E-07
307	488617.32	3858059	2.59E-03	2.52E-03	2.49E-03	8.95E-07	2.70E-06	1.56E-06	1.53E-06	1.38E-06	6.32E-07	6.23E-07	2.99E-08	7.22E-07	1.59E-07	2.07E-07	3.29E-07	5.80E-08	4.11E-08	1.55E-06	8.16E-07	3.46E-07	4.07E-07	1.60E-07	8.16E-07	3.46E-07
308	488667.32	3858059	2.46E-03	2.40E-03	2.37E-03	8.51E-07	2.57E-06	1.49E-06	1.45E-06	1.32E-06	6.00E-07	5.92E-07	2.84E-08	6.86E-07	1.51E-07	1.97E-07	3.13E-07	5.51E-08	3.91E-08	1.47E-06	7.76E-07	3.29E-07	3.87E-07	1.52E-07	7.76E-07	3.29E-07
309	488417.32	3858109	3.59E-03	3.50E-03	3.45E-03	1.24E-06	3.75E-06	2.17E-06	2.12E-06	1.92E-06	8.76E-07	8.64E-07	4.14E-08	1.00E-06	2.21E-07	2.87E-07	4.56E-07	8.04E-08	5.70E-08	2.14E-06	1.13E-06	4.80E-07	5.65E-07	2.22E-07	1.13E-06	4.80E-07
310	488467.32	3858109	3.34E-03	3.26E-03	3.21E-03	1.16E-06	3.49E-06	2.02E-06	1.97E-06	1.79E-06	8.15E-07	8.04E-07	3.86E-08	9.32E-07	2.06E-07	2.68E-07	4.24E-07	7.48E-08	5.31E-08	2.00E-06	1.05E-06	4.47E-07	5.26E-07	2.07E-07	1.05E-06	4.47E-07
311	488517.32	3858109	3.13E-03	3.05E-03	3.01E-03	1.08E-06	3.27E-06	1.89E-06	1.85E-06	1.67E-06	7.64E-07	7.54E-07	3.62E-08	8.74E-07	1.93E-07	2.51E-07	3.98E-07	7.01E-08	4.97E-08	1.87E-06	9.88E-07	4.19E-07	4.93E-07	1.94E-07	9.88E-07	4.19E-07
312	488567.32	3858109	2.94E-03	2.87E-03	2.83E-03	1.02E-06	3.07E-06	1.78E-06	1.74E-06	1.57E-06	7.18E-07	7.09E-07	3.40E-08	8.21E-07	1.81E-07	2.36E-07	3.74E-07	6.59E-08	4.68E-08	1.76E-06	9.29E-07	3.94E-07	4.63E-07	1.82E-07	9.29E-07	3.94E-07
313	488617.32	3858109	2.78E-03	2.71E-03	2.68E-03	9.62E-07	2.90E-06	1.68E-06	1.64E-06	1.49E-06	6.79E-07	6.70E-07	3.21E-08	7.76E-07	1.71E-07	2.23E-07	3.53E-07	6.23E-08	4.42E-08	1.66E-06	8.77E-07	3.72E-07	4.38E-07	1.72E-07	8.77E-07	3.72E-07
314	488667.32	3858109	2.63E-03	2.57E-03	2.53E-03	9.11E-07	2.75E-06	1.59E-06	1.55E-06	1.41E-06	6.42E-07	6.34E-07	3.04E-08	7.34E-07	1.62E-07	2.11E-07	3.34E-07	5.90E-08	4.18E-08	1.57E-06	8.30E-07	3.52E-07	4.14E-07	1.63E-07	8.30E-07	3.52E-07
315	488769.93	3858449	4.17E-03	4.07E-03	4.02E-03	1.44E-06	4.36E-06	2.52E-06	2.46E-06	2.23E-06	1.02E-06	1.01E-06	4.82E-08	1.16E-06	2.57E-07	3.34E-07	5.31E-07	9.35E-08	6.63E-08	2.49E-06	1.32E-06	5.59E-07	6.57E-07	2.58E-07	1.32E-06	5.59E-07
316	488819.93	3858449	3.84E-03	3.74E-03	3.69E-03	1.33E-06	4.01E-06	2.32E-06	2.27E-06	2.05E-06	9.37E-07	9.25E-07	4.44E-08	1.07E-06	2.36E-07	3.08E-07	4.88E-07	8.60E-08	6.10E-08	2.29E-06	1.21E-06	5.14E-07	6.04E-07	2.37E-07	1.21E-06	5.14E-07
317	488819.93	3858499	4.29E-03	4.19E-03	4.13E-03	1.49E-06	4.48E-06	2.60E-06	2.53E-06	2.30E-06	1.05E-06	1.03E-06	4.96E-08	1.20E-06	2.64E-07	3.44E-07	5.46E-07	9.62E-08	6.82E-08	2.57E-06	1.35E-06	5.75E-07	6.76E-07	2.66E-07	1.35E-06	5.75E-07
318	488869.93	3858499	3.94E-03	3.84E-03	3.79E-03	1.36E-06	4.12E-06	2.38E-06	2.33E-06	2.11E-06	9.62E-07	9.49E-07	4.55E-08	1.10E-06	2.43E-07	3.16E-07	5.01E-07	8.83E-08	6.26E-08	2.36E-06	1.24E-06	5.28E-07	6.21E-07	2.44E-07	1.24E-06	5.28E-07
319	488869.93	3858549	4.42E-03	4.31E-03	4.26E-03	1.53E-06	4.62E-06	2.68E-06	2.61E-06	2.37E-06	1.08E-06	1.07E-06	5.11E-08	1.23E-06	2.72E-07	3.54E-07	5.62E-07	9.91E-08	7.03E-08	2.64E-06	1.40E-06	5.92E-07	6.97E-07	2.74E-07	1.40E-06	5.92E-07
320	489438.17	3859571	1.90E-03	1.85E-03	1.82E-03	6.56E-07	1.98E-06	1.15E-06	1.12E-06	1.01E-06	4.63E-07	4.57E-07	2.19E-08	5.29E-07	1.17E-07	1.52E-07	2.41E-07	4.25E-08	3.01E-08	1.13E-06	5.98E-07	2.54E-07	2.99E-07	1.17E-07	5.98E-07	2.54E-07
321	489488.17	3859571	2.08E-03	2.03E-03	2.00E-03	7.19E-07	2.17E-06	1.26E-06	1.23E-06	1.11E-06	5.07E-07	5.00E-07	2.40E-08	5.80E-07	1.28E-07	1.66E-07	2.64E-07	4.65E-08	3.30E-08	1.24E-06	6.55E-07	2.78E-07	3.27E-07	1.28E-07	6.55E-07	2.78E-07
322	489538.17	3859571	2.30E-03	2.24E-03	2.21E-03	7.95E-07	2.40E-06	1.39E-06	1.36E-06	1.23E-06	5.61E-07	5.54E-07	2.66E-08	6.42E-07	1.42E-07	1.84E-07	2.92E-07	5.15E-08	3.65E-08	1.37E-06	7.25E-07	3.08E-07	3.62E-07	1.42E-07	7.25E-07	3.08E-07
323	489588.17	3859571	2.57E-03	2.51E-03	2.47E-03	8.89E-07	2.68E-06	1.55E-06	1.52E-06	1.37E-06	6.27E-07	6.19E-07	2.97E-08	7.17E-07	1.58E-07	2.06E-07	3.27E-07	5.76E-08	4.08E-08	1.54E-06	8.11E-07	3.44E-07	4.05E-07	1.59E-07	8.11E-07	3.44E-07
324	489438.17	3859621	1.64E-03	1.60E-03	1.58E-03	5.67E-07	1.71E-06	9.91E-07	9.67E-07	8.76E-07	4.00E-07	3.95E-07	1.89E-08	4.57E-07	1.01E-07	1.31E-07	2.08E-07	3.67E-08	2.60E-08	9.79E-07	5.17E-07	2.19E-07	2.58E-07	1.01E-07	5.17E-07	2.19E-07
325	489488.17	3859621	1.77E-03	1.72E-03	1.70E-03	6.12E-07	1.85E-06	1.07E-06	1.04E-06	9.46E-07	4.32E-07	4.26E-07	2.04E-08	4.93E-07	1.09E-07	1.42E-07	2.25E-07	3.96E-08	2.81E-08	1.06E-06	5.58E-07	2.37E-07	2.78E-07	1.09E-07	5.58E-07	2.37E-07
326	489538.17	3859621	1.92E-03	1.87E-03	1.85E-03	6.65E-07	2.01E-06	1.16E-06	1.13E-06	1.03E-06	4.69E-07	4.63E-07	2.22E-08	5.36E-07	1.18E-07	1.54E-07	2.44E-07	4.31E-08	3.05E-08	1.15E-06	6.06E-07	2.57E-07	3.03E-07	1.19E-07	6.06E-07	2.57E-07
327	489588.17	3859621	2.11E-03	2.06E-03	2.03E-03	7.31E-07	2.21E-06	1.28E-06	1.25E-06	1.13E-06	5.16E-07	5.09E-07	2.44E-08	5.89E-07	1.30E-07	1.69E-07	2.68E-07	4.73E-08	3.36E-08	1.26E-06	6.66E-07	2.83E-07	3.33E-07	1.31E-07	6.66E-07	2.83E-07
328	489238.17	3859671	1.16E-03	1.13E-03	1.11E-03	4.01E-07	1.21E-06	7.00E-07	6.83E-07	6.20E-07	2.83E-07	2.79E-07	1.34E-08	3.23E-07	7.13E-08	9.28E-08	1.47E-07	2.59E-08	1.84E-08	6.92E-07	3.65E-07	1.55E-07	1.82E-07	7.16E-08	3.65E-07	1.55E-07
329	489288.17	3859671	1.22E-03	1.19E-03	1.17E-03	4.21E-07	1.27E-06	7.36E-07	7.18E-07	6.51E-07	2.97E-07	2.93E-07	1.41E-08	3.40E-07	7.49E-08	9.75E-08	1.55E-07	2.73E-08	1.93E-08	7.27E-07	3.84E-07	1.63E-07	1.92E-07	7.53E-08	3.84E-07	1.63E-07
330	489338.17	3859671	1.28E-03	1.25E-03	1.24E-03	4.44E-07	1.34E-06	7.77E-07	7.58E-07	6.87E-07	3.14E-07	3.09E-07	1.48E-08	3.59E-07	7.91E-08	1.03E-07	1.63E-07	2.88E-08	2.04E-08	7.68E-07	4.05E-07	1.72E-07	2.02E-07	7.95E-08	4.05E-07	1.72E-07
331	489388.17	3859671	1.36E-03	1.33E-03	1.31E-03	4.71E-07	1.42E-06	8.24E-07	8.04E-07	7.29E-07	3.33E-07	3.28E-07	1.57E-08	3.80E-07	8.39E-08	1.09E-07	1.73E-07	3.05E-08	2.16E-08	8.15E-07	4.30E-07	1.82E-07	2.15E-07	8.43E-08	4.30E-07	1.82E-07
332	489438.17	3859671	1.45E-03	1.41E-03	1.39E-03	5.01E-07	1.51E-06	8.75E-07	8.54E-07	7.74E-07	3.53E-07	3.49E-07	1.67E-08	4.04E-07	8.91E-08	1.16E-07	1.84E-07	3.24E-08	2.30E-08	8.65E-07	4.56E-07	1.94E-07	2.28E-07	8.95E-08	4.56E-07	1.94E-07
333	489488.17	3859671	1.55E-03	1.51E-03	1.49E-03	5.36E-07	1.62E-06	9.37E-07	9.14E-07	8.28E-07	3.78E-07	3.73E-07	1.79E-08	4.32E-07	9.54E-08	1.24E-07	1.97E-07	3.47E-08	2.46E-08	9.26E-07	4.89E-07	2.07E-07	2.44E-07	9.58E-08	4.89E-07	2.07E-07
334	489538.17	3859671	1.66E-03	1.62E-03	1.60E-03	5.75E-07	1.74E-06	1.01E-06	9.82E-07	8.90E-07	4.06E-07	4.01E-07	1.92E-08	4.64E-07	1.02E-07	1.33E-07	2.11E-07	3.73E-08	2.64E-08	9.94E-07	5.25E-07	2.23E-07	2.62E-07	1.03E-07	5.25E-07	2.23E-07
335	489588.17	3859671	1.80E-03	1.75E-03	1.73E-03	6.22E-07	1.88E-06	1.09E-06	1.06E-06	9.62E-07	4.39E-07	4.33E-07	2.08E-08	5.02E-07	1.11E-07	1.44E-07	2.29E-07	4.03E-08	2.86E-08	1.07E-06	5.67E-07	2.41E-07	2.83E-07	1.11E-07	5.67E-07	2.41E-07
336	489238.17	3859721	1.07E-03	1.04E-03	1.03E-03	3.69E-07	1.11E-06	6.45E-07	6.29E-07	5.70E-07	2.60E-07	2.57E-07	1.23E-08	2.98E-07	6.57E-08	8.54E-08	1.36E-07	2.39E-08	1.69E-08	6.37E-07	3.36E-07	1.43E-07	1.68E-07	6.60E-08	3.36E-07	1.43E-07
337	489288.17	3859721	1.12E-03	1.09E-03	1.08E-03	3.87E-07	1.17E-06	6.76E-07	6.60E-07	5.98E-07	2.73E-07	2.69E-07	1.29E-08	3.12E-07	6.88E-08	8.96E-08	1.42E-07	2.50E-08	1.78E-08	6.68E-07	3.53E-07	1.50E-07	1.76E-07	6.91E-08	3.53E-07	1.50E-07
338	489338.17	3859721	1.17E-03	1.14E-03	1.13E-03	4.06E-07	1.23E-06	7.09E-07	6.92E-07	6.27E-07	2.86E-07	2.82E-07	1.35E-08	3.27E-07	7.22E-08	9.40E-08	1.49E-07	2.63E-08	1.86E-08	7.01E-07	3.70E-07	1.57E-07	1.85E-07	7.25E-08	3.70E-07	1.57E-07
339	489388.17	3859721	1.23E-03	1.20E-03	1.19E-03	4.27E-07	1.29E-06	7.46E-07	7.28E-07	6.60E-07	3.01E-07	2.97E-07	1.43E-08	3.44E-07	7.60E-08	9.88E-08	1.57E-07	2.76E-08	1.96E-08	7.37E-07	3.89E-07	1.65E-07	1.94E-07	7.63E-08	3.89E-07	1.65E-07
340	489438.17	3859721	1.30E-03	1.27E-03	1.25E-03	4.50E-07	1.36E-06	7.87E-07	7.68E-07	6.96E-07	3.18E-07	3.13E-07	1.50E-08	3.63E-07	8.01E-08	1.04E-07	1.65E-07	2.91E-08	2.07E-08	7.78E-07	4.10E-07	1.74E-07	2.05E-07	8.05E-08	4.10E-07	1.74E-07
341	489488.17	3859721	1.38E-03	1.35E-03	1.33E-03	4.78E-07	1.44E-06	8.35E-07	8.14E-07	7.38E-07	3.37E-07	3.32E-07	1.59E-08	3.85E-07	8.50E-08	1.11E-07	1.75E-07	3.09E-08	2.19E-08	8.25E-07	4.35E-07	1.85E-07	2.17E-07	8.54E-08	4.35E-07	1.85E-07
342	489538.17	3859721	1.47E-03	1.43E-03	1.41E-03	5.08E-07	1.53E-06	8.88E-07	8.66E-07	7.85E-07	3.58E-07	3.54E-07	1.70E-08	4.10E-07	9.04E-08	1.18E-07	1.87E-07	3.29E-08	2.33E-08	8.78E-07	4.63E-07	1.97E-07	2.31E-07	9.08E-08	4.63E-07	1.97E-07
343	489588.17	3859721	1.57E-03	1.53E-03	1.51E-03	5.43E-07	1.64E-06	9.49E-07	9.26E-07	8.39E-07	3.83E-07	3.78E-07	1.81E-08	4.38E-07	9.66E-08	1.26E-07	1.99E-07	3.51E-08	2.49E-08	9.38E-07	4.95E-07	2.10E-07	2.47E-07	9.70E-08	4.95E-07	2.10E-07
344	489238.17	3859771	9.89E-04	9.66E-04	9.53E-04	3.43E-07	1.03E-06	5.99E-07	5.84E-07	5.30E-07	2.42E-07	2.38E-07	1.14E-08	2.76E-07	6.10E-08	7.93E-08	1.26E-07	2.22E-08	1.57E-08	5.92E-07	3.12E-07	1.33E-07	1.56E-07	6.12E-08	3.12E-07	1.33E-07
345	489288.17	3859771	1.03E-03	1.01E-03	9.95E-04	3.58E-07	1.08E-06	6.25E-07	6.10E-07	5.53E-07	2.52E-07	2.49E-07	1.19E-08	2.88E-07	6.36E-08	8.28E-08	1.31E-07	2.32E-08	1.64E-08	6.18E-07	3.26E-07	1.38E-07	1.63E-07	6.39E-08	3.26E-07	1.38E-07
346	489338.17	3859771	1.08E-03	1.05E-03	1.04E-03	3.73E-07	1.13E-06	6.52E-07	6.36E-07	5.77E-07	2.63E-07	2.60E-07	1.25E-08	3.01E-07	6.64E-08	8.64E-08	1.37E-07	2.42E-08	1.71E-08	6.45E-07	3.40E-07	1.44E-07	1.70E-07	6.67E-08	3.40E-07	1.44E-07
347	489388.17	3859771	1.13E-03	1.10E-03	1.09E-03	3.90E-07	1.18E-06	6.82E-07	6.66E-07	6.04E-07	2.75E-07	2.72E-07	1.30E-08	3.15E-07	6.95E-08	9.04E-08	1.43E-07	2.53E-08	1.79E-08	6.74E-07	3.56E-07	1.51E-07	1.78E-07	6.98E-08	3.56E-07	1.51E-07
348	489438.17	3859771	1.18E-03	1.15E-03	1.14E-03	4.09E-07	1.24E-06	7.15E-07	6.98E-07	6.33E-07	2.89E-07	2.85E-07	1.37E-08	3.30E-07	7.28E-08	9.48E-08	1.50E-07	2.65E-08	1.88E-08	7.07E-07	3.73E-07	1.58E-07	1.86E-07	7.32E-08	3.73E-07	1.58E-07
349	489488.17	3859771	1.25E-03	1.22E-03	1.20E-03	4.31E-07	1.30E-06	7.54E-07	7.36E-07	6.67E-07	3.04E-07	3.00E-07	1.44E-08	3.48E-07	7.68E-08	9.99E-08	1.58E-07	2.79E-08	1.98E-08	7.45E-07	3.93E-07	1.67E-07	1.96E-07	7.71E-08	3.93E-07	1.67E-07
350	489538.17	3859771	1.32E-03	1.28E-03	1.27E-03	4.55E-07	1.38E-06	7.96E-07	7.77E-07	7.04E-07	3.21E-07	3.17E-07	1.52E-08	3.67E-07	8.11E-08	1.05E-07	1.67E-07	2.95E-08	2.09E-08	7.87E-07	4.15E-07	1.76E-07	2.07E-07	8.14E-08	4.15E-07	1.76E-07
351	489588.17	3859771	1.39E-03	1.36E-03	1.34E-03	4.82E-07	1.45E-06	8.42E-07	8.22E-07	7.45E-07	3.40E-07	3.35E-07	1.61E-08	3.89E-07	8.58E-08	1.12E-07	1.77E-07	3.12E-08	2.21E-08	8.32E-07	4.39E-07	1.86E-07	2.19E-07	8.61E-08	4.39E-07	1.86E-07
352	489238.17	3859821	9.24E-04	9.02E-04	8.90E-04	3.20E-07	9.66E-07	5.59E-07	5.46E-07	4.95E-07	2.26E-07	2.23E-07	1.07E-08	2.58E-07	5.69E-08	7.41E-08	1.17E-07	2.07E-08	1.47E-08	5.53E-07	2.92E-07	1.24E-07	1.46E-07	5.72E-08	2.92E-07	1.24E-07
353	489288.17	3859821	9.61E-04	9.38E-04	9.25E-04	3.33E-07	1.00E-06	5.81E-07	5.67E-07	5.14E-07	2.35E-07	2.32E-07	1.11E-08	2.68E-07	5.92E-08	7.70E-08	1.22E-07	2.15E-08	1.53E-08	5.75E-07	3.03E-07	1.29E-07	1.51E-07	5.95E-08	3.03E-07	1.29E-07
354	489338.17	3859821	9.99E-04	9.74E-04	9.62E-04	3.46E-07	1.04E-06	6.04E-07	5.90E-07	5.34E-07	2.44E-07	2.41E-07	1.15E-08	2.79E-07	6.15E-08	8.01E-08	1.27E-07	2.24E-08	1.59E-08	5.97E-07	3.15E-07	1.34E-07	1.57E-07	6.18E-08	3.15E-07	1.34E-07
355	489388.17	3859821	1.04E-03	1.02E-03	1.00E-03	3.60E-07	1.09E-06	6.30E-07	6.15E-07	5.57E-07	2.54E-07	2.51E-07	1.20E-08	2.91E-07	6.41E-08	8.34E-08	1.32E-07	2.33E-08	1.65E-08	6.23E-07	3.29E-07	1.39E-07	1.64E-07	6.44E-08	3.29E-07	1.39E-07
356	489438.17	3859821	1.09E-03	1.06E-03	1.05E-03	3.77E-07	1.14E-06	6.58E-07	6.42E-07	5.82E-07	2.66E-07	2.62E-07	1.26E-08	3.04E-07	6.70E-08	8.72E-08	1.38E-07	2.44E-08	1.73E-08	6.51E-07	3.43E-07	1.46E-07	1.71E-07	6.73E-08	3.43E-07	1.46E-07
357	489488.17	3859821	1.14E-03	1.11E-03	1.10E-03	3.94E-07	1.19E-06	6.89E-07	6.72E-07	6.10E-07	2.78E-07	2.74E-07	1.32E-08	3.18E-07	7.02E-08	9.13E-08	1.45E-07	2.55E-08	1.81E-08	6.81E-07	3.59E-07	1.53E-07	1.79E-07	7.05E-08	3.59E-07	1.53E-07
358	489538.17	3859821	1.19E-03	1.16E-03	1.15E-03	4.13E-07	1.25E-06	7.22E-07	7.04E-07	6.39E-07	2.91E-07	2.88E-07	1.38E-08	3.33E-07	7.35E-08	9.57E-08	1.52E-07	2.67E-08	1.90E-08	7.14E-07	3.77E-07	1.60E-07	1.88E-07	7.38E-08	3.77E-07	1.60E-07
359	489588.17	3859821	1.25E-03	1.22E-03	1.21E-03	4.34E-07	1.31E-06	7.58E-07	7.40E-07	6.71E-07	3.06E-07	3.02E-07	1.45E-08	3.50E-07	7.72E-08	1.00E-07	1.59E-07	2.81E-08	1.99E-08	7.49E-07	3.95E-07	1.68E-07	1.97E-07	7.75E-08	3.95E-07	1.68E-07
360	489238.17	3859871	8.68E-04	8.47E-04	8.35E-04	3.00E-07	9.07E-07	5.25E-07	5.12E-07	4.64E-07	2.12E-07	2.09E-07	1.00E-08	2.42E-07	5.35E-08	6.95E-08	1.10E-07	1.94E-08	1.38E-08	5.19E-07	2.74E-07	1.16E-07	1.37E-07	5.37E-08	2.74E-07	1.16E-07
361	489288.17	3859871	8.99E-04	8.77E-04	8.65E-04	3.11E-07	9.39E-07	5.44E-07	5.31E-07	4.81E-07	2.19E-07	2.17E-07	1.04E-08	2.51E-07	5.54E-08	7.20E-08	1.14E-07	2.01E-08	1.43E-08	5.37E-07	2.84E-07	1.20E-07	1.42E-07	5.56E-08	2.84E-07	1.20E-07
362	489338.17	3859871	9.31E-04	9.09E-04	8.97E-04	3.22E-07	9.74E-07	5.64E-07	5.50E-07	4.99E-07	2.27E-07	2.24E-07	1.08E-08	2.60E-07	5.74E-08	7.47E-08	1.18E-07	2.09E-08	1.48E-08	5.57E-07	2.94E-07	1.25E-07	1.47E-07	5.76E-08	2.94E-07	1.25E-07
363	489388.17	3859871	9.68E-04	9.45E-04	9.32E-04	3.35E-07	1.01E-06	5.86E-07	5.72E-07	5.18E-07	2.36E-07	2.33E-07	1.12E-08	2.70E-07	5.97E-08	7.76E-08	1.23E-07	2.17E-08	1.54E-08	5.79E-07	3.06E-07	1.30E-07	1.53E-07	5.99E-08	3.06E-07	1.30E-07

364	489438.17	3859871	1.01E-03	9.84E-04	9.71E-04	3.49E-07	1.05E-06	6.10E-07	5.95E-07	5.40E-07	2.46E-07	2.43E-07	1.17E-08	2.81E-07	6.21E-08	8.08E-08	1.28E-07	2.26E-08	1.60E-08	6.03E-07	3.18E-07	1.35E-07	1.59E-07	6.24E-08	3.18E-07	1.35E-07
365	489488.17	3859871	1.05E-03	1.02E-03	1.01E-03	3.63E-07	1.10E-06	6.34E-07	6.19E-07	5.61E-07	2.56E-07	2.53E-07	1.21E-08	2.93E-07	6.46E-08	8.40E-08	1.33E-07	2.35E-08	1.67E-08	6.27E-07	3.31E-07	1.40E-07	1.65E-07	6.49E-08	3.31E-07	1.40E-07
366	489538.17	3859871	1.09E-03	1.07E-03	1.05E-03	3.78E-07	1.14E-06	6.61E-07	6.45E-07	5.84E-07	2.67E-07	2.63E-07	1.26E-08	3.05E-07	6.73E-08	8.75E-08	1.39E-07	2.45E-08	1.74E-08	6.53E-07	3.45E-07	1.46E-07	1.72E-07	6.76E-08	3.45E-07	1.46E-07
367	489588.17	3859871	1.14E-03	1.11E-03	1.10E-03	3.95E-07	1.19E-06	6.90E-07	6.73E-07	6.10E-07	2.78E-07	2.75E-07	1.32E-08	3.18E-07	7.02E-08	9.14E-08	1.45E-07	2.55E-08	1.81E-08	6.82E-07	3.60E-07	1.53E-07	1.80E-07	7.05E-08	3.60E-07	1.53E-07
368	489238.17	3859921	8.19E-04	8.00E-04	7.89E-04	2.84E-07	8.56E-07	4.96E-07	4.84E-07	4.39E-07	2.00E-07	1.97E-07	9.47E-09	2.29E-07	5.05E-08	6.57E-08	1.04E-07	1.84E-08	1.30E-08	4.90E-07	2.59E-07	1.10E-07	1.29E-07	5.07E-08	2.59E-07	1.10E-07
369	489288.17	3859921	8.47E-04	8.26E-04	8.15E-04	2.93E-07	8.85E-07	5.12E-07	5.00E-07	4.53E-07	2.07E-07	2.04E-07	9.79E-09	2.36E-07	5.22E-08	6.79E-08	1.08E-07	1.90E-08	1.35E-08	5.06E-07	2.67E-07	1.13E-07	1.33E-07	5.24E-08	2.67E-07	1.13E-07
370	489338.17	3859921	8.75E-04	8.54E-04	8.43E-04	3.03E-07	9.15E-07	5.30E-07	5.17E-07	4.69E-07	2.14E-07	2.11E-07	1.01E-08	2.44E-07	5.39E-08	7.02E-08	1.11E-07	1.96E-08	1.39E-08	5.24E-07	2.76E-07	1.17E-07	1.38E-07	5.42E-08	2.76E-07	1.17E-07
371	489388.17	3859921	9.07E-04	8.85E-04	8.73E-04	3.14E-07	9.47E-07	5.48E-07	5.35E-07	4.85E-07	2.21E-07	2.18E-07	1.05E-08	2.53E-07	5.59E-08	7.27E-08	1.15E-07	2.03E-08	1.44E-08	5.42E-07	2.86E-07	1.21E-07	1.43E-07	5.61E-08	2.86E-07	1.21E-07
372	489438.17	3859921	9.38E-04	9.15E-04	9.03E-04	3.25E-07	9.80E-07	5.67E-07	5.54E-07	5.02E-07	2.29E-07	2.26E-07	1.08E-08	2.62E-07	5.78E-08	7.52E-08	1.19E-07	2.10E-08	1.49E-08	5.61E-07	2.96E-07	1.26E-07	1.48E-07	5.80E-08	2.96E-07	1.26E-07
373	489488.17	3859921	9.70E-04	9.47E-04	9.34E-04	3.36E-07	1.01E-06	5.87E-07	5.73E-07	5.19E-07	2.37E-07	2.34E-07	1.12E-08	2.71E-07	5.98E-08	7.78E-08	1.23E-07	2.17E-08	1.54E-08	5.80E-07	3.06E-07	1.30E-07	1.53E-07	6.00E-08	3.06E-07	1.30E-07
374	489538.17	3859921	1.01E-03	9.82E-04	9.69E-04	3.48E-07	1.05E-06	6.09E-07	5.94E-07	5.38E-07	2.46E-07	2.42E-07	1.16E-08	2.81E-07	6.20E-08	8.07E-08	1.28E-07	2.25E-08	1.60E-08	6.02E-07	3.18E-07	1.35E-07	1.58E-07	6.23E-08	3.18E-07	1.35E-07
375	489588.17	3859921	1.04E-03	1.01E-03	1.00E-03	3.60E-07	1.09E-06	6.29E-07	6.14E-07	5.57E-07	2.54E-07	2.51E-07	1.20E-08	2.90E-07	6.41E-08	8.34E-08	1.32E-07	2.33E-08	1.65E-08	6.22E-07	3.28E-07	1.39E-07	1.64E-07	6.44E-08	3.28E-07	1.39E-07
376	489238.17	3859971	7.77E-04	7.59E-04	7.49E-04	2.69E-07	8.13E-07	4.70E-07	4.59E-07	4.16E-07	1.90E-07	1.87E-07	8.99E-09	2.17E-07	4.79E-08	6.23E-08	9.89E-08	1.74E-08	1.24E-08	4.65E-07	2.45E-07	1.04E-07	1.22E-07	4.81E-08	2.45E-07	1.04E-07
377	489288.17	3859971	8.01E-04	7.81E-04	7.71E-04	2.77E-07	8.37E-07	4.84E-07	4.73E-07	4.29E-07	1.96E-07	1.93E-07	9.26E-09	2.24E-07	4.93E-08	6.42E-08	1.02E-07	1.79E-08	1.27E-08	4.79E-07	2.53E-07	1.07E-07	1.26E-07	4.96E-08	2.53E-07	1.07E-07
378	489338.17	3859971	8.26E-04	8.06E-04	7.95E-04	2.86E-07	8.63E-07	5.00E-07	4.88E-07	4.42E-07	2.02E-07	1.99E-07	9.55E-09	2.31E-07	5.09E-08	6.62E-08	1.05E-07	1.85E-08	1.31E-08	4.94E-07	2.61E-07	1.11E-07	1.30E-07	5.11E-08	2.61E-07	1.11E-07
379	489388.17	3859971	8.51E-04	8.31E-04	8.20E-04	2.95E-07	8.90E-07	5.15E-07	5.03E-07	4.56E-07	2.08E-07	2.05E-07	9.84E-09	2.38E-07	5.25E-08	6.82E-08	1.08E-07	1.91E-08	1.35E-08	5.09E-07	2.69E-07	1.14E-07	1.34E-07	5.27E-08	2.69E-07	1.14E-07
380	489438.17	3859971	8.72E-04	8.51E-04	8.40E-04	3.02E-07	9.12E-07	5.28E-07	5.15E-07	4.67E-07	2.13E-07	2.10E-07	1.01E-08	2.44E-07	5.38E-08	6.99E-08	1.11E-07	1.96E-08	1.39E-08	5.22E-07	2.75E-07	1.17E-07	1.37E-07	5.40E-08	2.75E-07	1.17E-07
381	489488.17	3859971	8.87E-04	8.66E-04	8.54E-04	3.07E-07	9.27E-07	5.37E-07	5.24E-07	4.75E-07	2.17E-07	2.14E-07	1.03E-08	2.48E-07	5.47E-08	7.11E-08	1.13E-07	1.99E-08	1.41E-08	5.30E-07	2.80E-07	1.19E-07	1.40E-07	5.49E-08	2.80E-07	1.19E-07
382	489538.17	3859971	9.01E-04	8.79E-04	8.67E-04	3.12E-07	9.41E-07	5.45E-07	5.32E-07	4.82E-07	2.20E-07	2.17E-07	1.04E-08	2.51E-07	5.55E-08	7.22E-08	1.15E-07	2.02E-08	1.43E-08	5.39E-07	2.84E-07	1.21E-07	1.42E-07	5.57E-08	2.84E-07	1.21E-07
383	489588.17	3859971	9.16E-04	8.94E-04	8.82E-04	3.17E-07	9.58E-07	5.55E-07	5.41E-07	4.91E-07	2.24E-07	2.21E-07	1.06E-08	2.56E-07	5.65E-08	7.35E-08	1.17E-07	2.05E-08	1.46E-08	5.48E-07	2.89E-07	1.23E-07	1.44E-07	5.67E-08	2.89E-07	1.23E-07
384	483577.7	3854071	3.22E-03	3.15E-03	3.11E-03	1.12E-06	3.37E-06	1.95E-06	1.90E-06	1.73E-06	7.88E-07	7.77E-07	3.73E-08	9.00E-07	1.99E-07	2.59E-07	4.10E-07	7.23E-08	5.13E-08	1.93E-06	1.02E-06	4.32E-07	5.08E-07	2.00E-07	1.02E-06	4.32E-07
385	483627.7	3854071	2.97E-03	2.90E-03	2.86E-03	1.03E-06	3.10E-06	1.80E-06	1.75E-06	1.59E-06	7.25E-07	7.15E-07	3.43E-08	8.29E-07	1.83E-07	2.38E-07	3.77E-07	6.65E-08	4.72E-08	1.77E-06	9.36E-07	3.97E-07	4.67E-07	1.84E-07	9.36E-07	3.97E-07
386	483677.7	3854071	2.75E-03	2.68E-03	2.64E-03	9.51E-07	2.87E-06	1.66E-06	1.62E-06	1.47E-06	6.71E-07	6.62E-07	3.17E-08	7.67E-07	1.69E-07	2.20E-07	3.49E-07	6.15E-08	4.36E-08	1.64E-06	8.67E-07	3.68E-07	4.33E-07	1.70E-07	8.67E-07	3.68E-07
387	483727.7	3854071	2.56E-03	2.50E-03	2.46E-03	8.85E-07	2.67E-06	1.55E-06	1.51E-06	1.37E-06	6.24E-07	6.16E-07	2.96E-08	7.14E-07	1.58E-07	2.05E-07	3.25E-07	5.73E-08	4.06E-08	1.53E-06	8.07E-07	3.42E-07	4.03E-07	1.58E-07	8.07E-07	3.42E-07
388	483777.7	3854071	2.37E-03	2.32E-03	2.28E-03	8.21E-07	2.48E-06	1.44E-06	1.40E-06	1.27E-06	5.80E-07	5.72E-07	2.74E-08	6.63E-07	1.46E-07	1.90E-07	3.02E-07	5.32E-08	3.77E-08	1.42E-06	7.49E-07	3.18E-07	3.74E-07	1.47E-07	7.49E-07	3.18E-07
389	483577.7	3854121	3.70E-03	3.61E-03	3.56E-03	1.28E-06	3.87E-06	2.24E-06	2.19E-06	1.98E-06	9.04E-07	8.92E-07	4.28E-08	1.03E-06	2.28E-07	2.97E-07	4.71E-07	8.30E-08	5.88E-08	2.21E-06	1.17E-06	4.96E-07	5.83E-07	2.29E-07	1.17E-06	4.96E-07
390	483627.7	3854121	3.34E-03	3.26E-03	3.21E-03	1.16E-06	3.49E-06	2.02E-06	1.97E-06	1.79E-06	8.15E-07	8.04E-07	3.86E-08	9.32E-07	2.06E-07	2.68E-07	4.24E-07	7.48E-08	5.31E-08	2.00E-06	1.05E-06	4.47E-07	5.26E-07	2.07E-07	1.05E-06	4.47E-07
391	483677.7	3854121	3.03E-03	2.95E-03	2.92E-03	1.05E-06	3.16E-06	1.83E-06	1.79E-06	1.62E-06	7.39E-07	7.30E-07	3.50E-08	8.45E-07	1.87E-07	2.43E-07	3.85E-07	6.79E-08	4.81E-08	1.81E-06	9.56E-07	4.05E-07	4.77E-07	1.87E-07	9.56E-07	4.05E-07
392	483727.7	3854121	2.77E-03	2.70E-03	2.66E-03	9.57E-07	2.89E-06	1.67E-06	1.63E-06	1.48E-06	6.75E-07	6.66E-07	3.20E-08	7.72E-07	1.70E-07	2.22E-07	3.52E-07	6.20E-08	4.40E-08	1.65E-06	8.73E-07	3.70E-07	4.36E-07	1.71E-07	8.73E-07	3.70E-07
393	483777.7	3854121	2.56E-03	2.50E-03	2.47E-03	8.86E-07	2.68E-06	1.55E-06	1.51E-06	1.37E-06	6.25E-07	6.17E-07	2.96E-08	7.15E-07	1.58E-07	2.05E-07	3.26E-07	5.74E-08	4.07E-08	1.53E-06	8.08E-07	3.43E-07	4.03E-07	1.58E-07	8.08E-07	3.43E-07
394	483577.7	3854171	4.33E-03	4.23E-03	4.17E-03	1.50E-06	4.53E-06	2.62E-06	2.56E-06	2.32E-06	1.06E-06	1.04E-06	5.01E-08	1.21E-06	2.67E-07	3.47E-07	5.51E-07	9.71E-08	6.88E-08	2.59E-06	1.37E-06	5.80E-07	6.82E-07	2.68E-07	1.37E-06	5.80E-07
395	483627.7	3854171	3.80E-03	3.71E-03	3.66E-03	1.31E-06	3.97E-06	2.30E-06	2.24E-06	2.03E-06	9.27E-07	9.15E-07	4.39E-08	1.06E-06	2.34E-07	3.04E-07	4.83E-07	8.51E-08	6.04E-08	2.27E-06	1.20E-06	5.08E-07	5.98E-07	2.35E-07	1.20E-06	5.08E-07
396	483677.7	3854171	3.40E-03	3.31E-03	3.27E-03	1.18E-06	3.55E-06	2.05E-06	2.01E-06	1.82E-06	8.29E-07	8.18E-07	3.93E-08	9.48E-07	2.09E-07	2.72E-07	4.32E-07	7.61E-08	5.40E-08	2.03E-06	1.07E-06	4.55E-07	5.35E-07	2.10E-07	1.07E-06	4.55E-07
397	483727.7	3854171	3.08E-03	3.01E-03	2.97E-03	1.07E-06	3.22E-06	1.86E-06	1.82E-06	1.65E-06	7.52E-07	7.42E-07	3.56E-08	8.60E-07	1.90E-07	2.47E-07	3.92E-07	6.90E-08	4.90E-08	1.84E-06	9.72E-07	4.13E-07	4.85E-07	1.91E-07	9.72E-07	4.13E-07
398	483777.7	3854171	2.81E-03	2.74E-03	2.71E-03	9.73E-07	2.94E-06	1.70E-06	1.66E-06	1.50E-06	6.87E-07	6.78E-07	3.25E-08	7.85E-07	1.73E-07	2.25E-07	3.58E-07	6.30E-08	4.47E-08	1.68E-06	8.87E-07	3.77E-07	4.43E-07	1.74E-07	8.87E-07	3.77E-07
399	483827.7	3854171	2.56E-03	2.50E-03	2.46E-03	8.86E-07	2.67E-06	1.55E-06	1.51E-06	1.37E-06	6.25E-07	6.16E-07	2.96E-08	7.14E-07	1.58E-07	2.05E-07	3.25E-07	5.73E-08	4.07E-08	1.53E-06	8.07E-07	3.43E-07	4.03E-07	1.58E-07	8.07E-07	3.43E-07
400	483877.7	3854171	2.38E-03	2.32E-03	2.29E-03	8.23E-07	2.49E-06	1.44E-06	1.40E-06	1.27E-06	5.81E-07	5.73E-07	2.75E-08	6.64E-07	1.46E-07	1.91E-07	3.02E-07	5.33E-08	3.78E-08	1.42E-06	7.50E-07	3.18E-07	3.75E-07	1.47E-07	7.50E-07	3.18E-07
401	483727.7	3854221	3.54E-03	3.45E-03	3.40E-03	1.22E-06	3.70E-06	2.14E-06	2.09E-06	1.89E-06	8.63E-07	8.52E-07	4.09E-08	9.87E-07	2.18E-07	2.83E-07	4.50E-07	7.92E-08	5.62E-08	2.11E-06	1.12E-06	4.73E-07	5.57E-07	2.19E-07	1.12E-06	4.73E-07
402	483777.7	3854221	3.17E-03	3.09E-03	3.05E-03	1.10E-06	3.31E-06	1.92E-06	1.87E-06	1.70E-06	7.74E-07	7.64E-07	3.67E-08	8.85E-07	1.95E-07	2.54E-07	4.03E-07	7.11E-08	5.04E-08	1.90E-06	1.00E-06	4.25E-07	5.00E-07	1.96E-07	1.00E-06	4.25E-07
403	483827.7	3854221	2.92E-03	2.85E-03	2.81E-03	1.01E-06	3.05E-06	1.77E-06	1.72E-06	1.56E-06	7.13E-07	7.04E-07	3.38E-08	8.16E-07	1.80E-07	2.34E-07	3.71E-07	6.55E-08	4.64E-08	1.75E-06	9.22E-07	3.91E-07	4.60E-07	1.81E-07	9.22E-07	3.91E-07
404	483877.7	3854221	2.66E-03	2.60E-03	2.56E-03	9.21E-07	2.78E-06	1.61E-06	1.57E-06	1.42E-06	6.50E-07	6.41E-07	3.08E-08	7.43E-07	1.64E-07	2.13E-07	3.38E-07	5.96E-08	4.23E-08	1.59E-06	8.40E-07	3.56E-07	4.19E-07	1.65E-07	8.40E-07	3.56E-07
405	489150.19	3858726	4.29E-03	4.18E-03	4.13E-03	1.48E-06	4.48E-06	2.59E-06	2.53E-06	2.29E-06	1.05E-06	1.03E-06	4.95E-08	1.20E-06	2.64E-07	3.44E-07	5.45E-07	9.61E-08	6.81E-08	2.56E-06	1.35E-06	5.74E-07	6.75E-07	2.65E-07	1.35E-06	5.74E-07
406	489200.19	3858726	3.97E-03	3.88E-03	3.82E-03	1.37E-06	4.15E-06	2.40E-06	2.35E-06	2.13E-06	9.70E-07	9.57E-07	4.59E-08	1.11E-06	2.45E-07	3.18E-07	5.05E-07	8.90E-08	6.31E-08	2.38E-06	1.25E-06	5.32E-07	6.26E-07	2.46E-07	1.25E-06	5.32E-07
407	489150.19	3858776	4.94E-03	4.82E-03	4.76E-03	1.71E-06	5.17E-06	2.99E-06	2.92E-06	2.65E-06	1.21E-06	1.19E-06	5.71E-08	1.38E-06	3.05E-07	3.96E-07	6.29E-07	1.11E-07	7.86E-08	2.96E-06	1.56E-06	6.62E-07	7.79E-07	3.06E-07	1.56E-06	6.62E-07
408	489200.19	3858776	4.52E-03	4.41E-03	4.35E-03	1.56E-06	4.72E-06	2.73E-06	2.67E-06	2.42E-06	1.10E-06	1.09E-06	5.22E-08	1.26E-06	2.78E-07	3.62E-07	5.74E-07	1.01E-07	7.18E-08	2.70E-06	1.43E-06	6.05E-07	7.11E-07	2.80E-07	1.43E-06	6.05E-07
409	488919.6	3856401	8.27E-04	8.07E-04	7.96E-04	2.86E-07	8.64E-07	5.00E-07	4.88E-07	4.43E-07	2.02E-07	1.99E-07	9.56E-09	2.31E-07	5.09E-08	6.63E-08	1.05E-07	1.85E-08	1.31E-08	4.94E-07	2.61E-07	1.11E-07	1.30E-07	5.12E-08	2.61E-07	1.11E-07
410	488919.6	3856451	8.40E-04	8.19E-04	8.09E-04	2.91E-07	8.78E-07	5.08E-07	4.96E-07	4.49E-07	2.05E-07	2.02E-07	9.71E-09	2.34E-07	5.17E-08	6.73E-08	1.07E-07	1.88E-08	1.33E-08	5.02E-07	2.65E-07	1.12E-07	1.32E-07	5.20E-08	2.65E-07	1.12E-07
411	488969.6	3856451	8.30E-04	8.10E-04	7.99E-04	2.87E-07	8.68E-07	5.02E-07	4.90E-07	4.44E-07	2.03E-07	2.00E-07	9.60E-09	2.32E-07	5.11E-08	6.65E-08	1.06E-07	1.86E-08	1.32E-08	4.96E-07	2.62E-07	1.11E-07	1.31E-07	5.14E-08	2.62E-07	1.11E-07
412	488919.6	3856501	8.53E-04	8.33E-04	8.22E-04	2.95E-07	8.92E-07	5.16E-07	5.04E-07	4.57E-07	2.08E-07	2.06E-07	9.86E-09	2.38E-07	5.26E-08	6.84E-08	1.09E-07	1.91E-08	1.36E-08	5.10E-07	2.69E-07	1.14E-07	1.34E-07	5.28E-08	2.69E-07	1.14E-07
413	488969.6	3856501	8.43E-04	8.23E-04	8.12E-04	2.92E-07	8.82E-07	5.10E-07	4.98E-07	4.51E-07	2.06E-07	2.03E-07	9.75E-09	2.36E-07	5.20E-08	6.76E-08	1.07E-07	1.89E-08	1.34E-08	5.04E-07	2.66E-07	1.13E-07	1.33E-07	5.22E-08	2.66E-07	1.13E-07
414	488919.6	3856551	8.68E-04	8.47E-04	8.35E-04	3.00E-07	9.07E-07	5.25E-07	5.12E-07	4.64E-07	2.12E-07	2.09E-07	1.00E-08	2.42E-07	5.35E-08	6.95E-08	1.10E-07	1.94E-08	1.38E-08	5.19E-07	2.74E-07	1.16E-07	1.37E-07	5.37E-08	2.74E-07	1.16E-07
415	488969.6	3856551	8.57E-04	8.36E-04	8.25E-04	2.97E-07	8.96E-07	5.19E-07	5.06E-07	4.59E-07	2.09E-07	2.07E-07	9.91E-09	2.39E-07	5.28E-08	6.87E-08	1.09E-07	1.92E-08	1.36E-08	5.13E-07	2.71E-07	1.15E-07	1.35E-07	5.30E-08	2.71E-07	1.15E-07
416	488819.6	3856601	9.04E-04	8.82E-04	8.70E-04	3.13E-07	9.45E-07	5.47E-07	5.34E-07	4.84E-07	2.21E-07	2.18E-07	1.04E-08	2.52E-07	5.57E-08	7.25E-08	1.15E-07	2.03E-08	1.44E-08	5.41E-07	2.85E-07	1.21E-07	1.42E-07	5.59E-08	2.85E-07	1.21E-07
417	488869.6	3856601	8.92E-04	8.71E-04	8.59E-04	3.09E-07	9.33E-07	5.40E-07	5.27E-07	4.78E-07	2.18E-07	2.15E-07	1.03E-08	2.49E-07	5.50E-08	7.15E-08	1.13E-07	2.00E-08	1.42E-08	5.34E-07	2.82E-07	1.20E-07	1.41E-07	5.52E-08	2.82E-07	1.20E-07
418	488919.6	3856601	8.82E-04	8.60E-04	8.49E-04	3.05E-07	9.21E-07	5.33E-07	5.21E-07	4.72E-07	2.15E-07	2.12E-07	1.02E-08	2.46E-07	5.43E-08	7.07E-08	1.12E-07	1.98E-08	1.40E-08	5.27E-07	2.78E-07	1.18E-07	1.39E-07	5.46E-08	2.78E-07	1.18E-07
419	488819.6	3856651	9.19E-04	8.97E-04	8.85E-04	3.18E-07	9.61E-07	5.56E-07	5.43E-07	4.92E-07	2.25E-07	2.22E-07	1.06E-08	2.57E-07	5.66E-08	7.37E-08	1.17E-07	2.06E-08	1.46E-08	5.50E-07	2.90E-07	1.23E-07	1.45E-07	5.69E-08	2.90E-07	1.23E-07
420	488869.6	3856651	9.07E-04	8.85E-04	8.74E-04	3.14E-07	9.48E-07	5.49E-07	5.36E-07	4.86E-07	2.22E-07	2.19E-07	1.05E-08	2.53E-07	5.59E-08	7.27E-08	1.15E-07	2.03E-08	1.44E-08	5.43E-07	2.86E-07	1.22E-07	1.43E-07	5.62E-08	2.86E-07	1.22E-07
421	488819.6	3856701	9.36E-04	9.13E-04	9.01E-04	3.24E-07	9.78E-07	5.66E-07	5.53E-07	5.01E-07	2.29E-07	2.26E-07	1.08E-08	2.61E-07	5.77E-08	7.50E-08	1.19E-07	2.10E-08	1.49E-08	5.60E-07	2.95E-07	1.25E-07	1.47E-07	5.79E-08	2.95E-07	1.25E-07
422	488869.6	3856701	9.23E-04	9.01E-04	8.89E-04	3.20E-07	9.65E-07	5.59E-07	5.45E-07	4.94E-07	2.25E-07	2.22E-07	1.07E-08	2.58E-07	5.69E-08	7.40E-08	1.17E-07	2.07E-08	1.47E-08	5.52E-07	2.91E-07	1.24E-07	1.45E-07	5.71E-08	2.91E-07	1.24E-07
423	488819.6	3856751	9.53E-04	9.30E-04	9.17E-04	3.30E-07	9.96E-07	5.76E-07	5.62E-07	5.10E-07	2.33E-07	2.30E-07	1.10E-08	2.66E-07	5.87E-08	7.64E-08	1.21E-07	2.13E-08	1.51E-08	5.70E-07	3.01E-07	1.28E-07	1.50E-07	5.90E-08	3.01E-07	1.28E-07
424	488869.6	3856751	9.40E-04	9.17E-04	9.05E-04	3.25E-07	9.83E-07	5.69E-07	5.55E-07	5.03E-07	2.30E-07	2.27E-07	1.09E-08	2.62E-07	5.79E-08	7.54E-08	1.20E-07	2.11E-08	1.49E-08	5.62E-07	2.97E-07	1.26E-07	1.48E-07	5.82E-08	2.97E-07	1.26E-07
425	488819.6	3857051	1.07E-03	1.05E-03	1.03E-03	3.71E-07	1.12E-06	6.49E-07	6.33E-07	5.74E-07	2.62E-07	2.58E-07	1.24E-08	2.99E-07	6.61E-08	8.60E-08	1.36E-07	2.40E-08	1.70E-08	6.41E-07	3.38E-07	1.44E-07	1.69E-07	6.64E-08	3.38E-07	1.44E-07
426	488869.6	3857051	1.06E-03	1.03E-03	1.02E-03	3.66E-07	1.10E-06	6.39E-07	6.24E-07	5.65E-07	2.58E-07	2.55E-07	1.22E-08	2.95E-07	6.51E-08	8.47E-08	1.34E-07	2.37E-08	1.68E-08	6.32E-07	3.33E-07	1.41E-07	1.66E-07	6.54E-08	3.33E-07	1.41E-07
427	488919.6	3857051	1.04E-03	1.02E-03	1.00E-03	3.60E-07	1.09E-06	6.30E-07	6.14E-07	5.57E-07	2.54E-07	2.51E-07	1.20E-08	2.91E-07	6.41E-08	8.34E-08	1.32E-07	2.33E-08	1.65E-08	6.22E-07	3.28E-07	1.39E-07	1.64E-07	6.44E-08	3.28E-07	1.39E-07
428	488819.6	3857101	1.10E-03	1.07E-03	1.06E-03	3.80E-07	1.15E-06	6.64E-07	6.48E-07	5.87E-07	2.68E-07	2.64E-07	1.27E-08	3.06E-07	6.76E-08	8.79E-08	1.39E-07	2.46E-08	1.74E-08	6.56E-07	3.46E-07	1.47E-07	1.73E-07	6.79E-08	3.46E-07	1.47E-07
429	488869.6	3857101	1.08E-03	1.05E-03	1.04E-03	3.74E-07	1.13E-06	6.53E-07	6.37E-07	5.78E-07	2.64E-07	2.60E-07	1.25E-08	3.01E-07	6.65E-08	8.65E-08	1.37E-07	2.42E-08	1.72E-08	6.46E-07	3.41E-07	1.45E-07	1.70E-07	6.68E-08	3.41E-07	1.45E-07
430	488919.6	3857101	1.06E-03	1.04E-03	1.02E-03	3.68E-07	1.11E-06	6.43E-07	6.28E-07	5.69E-07	2.60E-07	2.56E-07	1.23E-08	2.97E-07	6.55E-08	8.52E-08	1.35E-07	2.38E-08	1.69E-08	6.36E-07	3.35E-07	1.42E-07	1.67E-07	6.58E-08	3.35E-07	1.42E-07
431	488819.6	3857151	1.12E-03	1.10E-03	1.08E-03	3.89E-07	1.17E-06	6.80E-07	6.63E-07	6.01E-07	2.74E-07	2.71E-07	1.30E-08	3.14E-07	6.92E-08	9.00E-08	1.43E-07	2.52E-08	1.79E-08	6.72E-07	3.54E-07	1.50E-07	1.77E-07	6.95E-08	3.54E-07	1.50E-07
432	488869.6	3857151	1.10E-03	1.08E-03	1.06E-03	3.82E-07	1.15E-06	6.68E-07	6.52E-07	5.91E-07	2.70E-07	2.66E-07	1.28E-08	3.08E-07	6.80E-08	8.85E-08	1.40E-07	2.48E-08	1.76E-08	6.60E-07	3.49E-07	1.48E-07	1.74E-07	6.83E-08	3.49E-07	1.48E-07
433	488919.6	3857151	1.09E-03	1.06E-03	1.05E-03	3.76E-07	1.14E-06	6.58E-07	6.42E-07	5.82E-07	2.65E-07	2.62E-07	1.26E-08	3.04E-07	6.70E-08	8.71E-08	1.38E-07	2.44E-08	1.73E-08	6.50E-07	3.43E-07	1.46E-07	1.71E-07	6.73E-08	3.43E-07	1.46E-07
434	488969.6	3857151	1.07E-03	1.04E-03	1.03E-03	3.70E-07	1.12E-06	6.47E-07	6.32E-07	5.73E-07	2.61E-07	2.58E-07	1.24E-08	2.99E-07	6.59E-08	8.58E-08	1.36E-07	2.40E-08	1.70E-08	6.40E-07	3.38E-07	1.43E-07	1.69E-07	6.62E-08	3.38E-07	1.43E-07
435	488819.6	3857201	1.15E-03	1.12E-03	1.11E-03	3.98E-07	1.20E-06	6.96E-07	6.79E-07	6.16E-07	2.81E-07	2.77E-07	1.33E-08	3.21E-07	7.09E-08	9.22E-08	1.46E-07	2.58E-08	1.83E-08	6.88E-07	3.63E-07	1.54E-07	1.81E-07	7.12E-08	3.63E-07	1.54E-07
436	488869.6	3857201	1.13E-03	1.10E-03	1.09E-03	3.91E-07	1.18E-06	6.84E-07	6.68E-07	6.05E-07	2.76E-07	2.73E-07	1.31E-08	3.16E-07	6.97E-08	9.07E-08	1.44E-07	2.53E-08	1.80E-08	6.76E-07	3.57E-07	1.51E-07	1.78E-07	7.00E-08	3.57E-07	1.51E-07
437	488919.6	3857201	1.11E-03	1.09E-03	1.07E-03	3.85E-07	1.16E-06	6.73E-07	6.57E-07	5.95E-07	2.72E-07	2.68E-07	1.29E-08	3.11E-07	6.85E-08	8.92E-08	1.41E-07	2.49E-08	1.77E-08	6.65E-07	3.51E-07	1.49E-07	1.75E-07	6.88E-08	3.51E-07	1.49E-07

438	488969.6	3857201	1.09E-03	1.07E-03	1.05E-03	3.79E-07	1.14E-06	6.62E-07	6.46E-07	5.86E-07	2.67E-07	2.64E-07	1.27E-08	3.06E-07	6.74E-08	8.77E-08	1.39E-07	2.45E-08	1.74E-08	6.55E-07	3.45E-07	1.47E-07	1.72E-07	6.77E-08	3.45E-07	1.47E-07
439	488819.6	3857251	1.18E-03	1.15E-03	1.14E-03	4.08E-07	1.23E-06	7.14E-07	6.96E-07	6.31E-07	2.88E-07	2.84E-07	1.36E-08	3.29E-07	7.27E-08	9.46E-08	1.50E-07	2.64E-08	1.87E-08	7.05E-07	3.72E-07	1.58E-07	1.86E-07	7.30E-08	3.72E-07	1.58E-07
440	488869.6	3857251	1.16E-03	1.13E-03	1.12E-03	4.01E-07	1.21E-06	7.01E-07	6.84E-07	6.20E-07	2.83E-07	2.79E-07	1.34E-08	3.24E-07	7.14E-08	9.29E-08	1.47E-07	2.60E-08	1.84E-08	6.93E-07	3.66E-07	1.55E-07	1.83E-07	7.17E-08	3.66E-07	1.55E-07
441	488919.6	3857251	1.14E-03	1.11E-03	1.10E-03	3.94E-07	1.19E-06	6.89E-07	6.73E-07	6.10E-07	2.78E-07	2.75E-07	1.32E-08	3.18E-07	7.02E-08	9.13E-08	1.45E-07	2.55E-08	1.81E-08	6.81E-07	3.60E-07	1.53E-07	1.79E-07	7.05E-08	3.60E-07	1.53E-07
442	488969.6	3857251	1.12E-03	1.09E-03	1.08E-03	3.88E-07	1.17E-06	6.78E-07	6.62E-07	6.00E-07	2.74E-07	2.70E-07	1.30E-08	3.13E-07	6.90E-08	8.98E-08	1.43E-07	2.51E-08	1.78E-08	6.70E-07	3.54E-07	1.50E-07	1.77E-07	6.94E-08	3.54E-07	1.50E-07
443	488819.6	3857301	1.21E-03	1.18E-03	1.17E-03	4.19E-07	1.26E-06	7.32E-07	7.15E-07	6.48E-07	2.96E-07	2.92E-07	1.40E-08	3.38E-07	7.46E-08	9.70E-08	1.54E-07	2.71E-08	1.92E-08	7.24E-07	3.82E-07	1.62E-07	1.91E-07	7.49E-08	3.82E-07	1.62E-07
444	488869.6	3857301	1.19E-03	1.16E-03	1.14E-03	4.11E-07	1.24E-06	7.19E-07	7.02E-07	6.36E-07	2.90E-07	2.86E-07	1.37E-08	3.32E-07	7.32E-08	9.53E-08	1.51E-07	2.66E-08	1.89E-08	7.11E-07	3.75E-07	1.59E-07	1.87E-07	7.36E-08	3.75E-07	1.59E-07
445	488919.6	3857301	1.17E-03	1.14E-03	1.12E-03	4.04E-07	1.22E-06	7.07E-07	6.90E-07	6.25E-07	2.85E-07	2.81E-07	1.35E-08	3.26E-07	7.20E-08	9.36E-08	1.49E-07	2.62E-08	1.86E-08	6.98E-07	3.69E-07	1.56E-07	1.84E-07	7.23E-08	3.69E-07	1.56E-07
446	488819.6	3857451	1.32E-03	1.28E-03	1.27E-03	4.55E-07	1.38E-06	7.96E-07	7.77E-07	7.04E-07	3.21E-07	3.17E-07	1.52E-08	3.67E-07	8.11E-08	1.05E-07	1.67E-07	2.95E-08	2.09E-08	7.87E-07	4.15E-07	1.76E-07	2.07E-07	8.14E-08	4.15E-07	1.76E-07
447	488869.6	3857451	1.29E-03	1.26E-03	1.24E-03	4.46E-07	1.35E-06	7.80E-07	7.61E-07	6.90E-07	3.15E-07	3.11E-07	1.49E-08	3.60E-07	7.94E-08	1.03E-07	1.64E-07	2.89E-08	2.05E-08	7.71E-07	4.07E-07	1.73E-07	2.03E-07	7.98E-08	4.07E-07	1.73E-07
448	488919.6	3857451	1.26E-03	1.23E-03	1.22E-03	4.38E-07	1.32E-06	7.65E-07	7.47E-07	6.77E-07	3.09E-07	3.05E-07	1.46E-08	3.53E-07	7.79E-08	1.01E-07	1.61E-07	2.83E-08	2.01E-08	7.56E-07	3.99E-07	1.69E-07	1.99E-07	7.83E-08	3.99E-07	1.69E-07
449	488819.6	3857501	1.35E-03	1.32E-03	1.30E-03	4.69E-07	1.42E-06	8.20E-07	8.00E-07	7.25E-07	3.31E-07	3.27E-07	1.57E-08	3.78E-07	8.35E-08	1.09E-07	1.72E-07	3.04E-08	2.15E-08	8.10E-07	4.28E-07	1.81E-07	2.13E-07	8.39E-08	4.28E-07	1.81E-07
450	488869.6	3857501	1.33E-03	1.30E-03	1.28E-03	4.59E-07	1.39E-06	8.03E-07	7.84E-07	7.10E-07	3.24E-07	3.20E-07	1.53E-08	3.71E-07	8.18E-08	1.06E-07	1.69E-07	2.97E-08	2.11E-08	7.94E-07	4.19E-07	1.78E-07	2.09E-07	8.21E-08	4.19E-07	1.78E-07
451	488919.6	3857501	1.30E-03	1.27E-03	1.25E-03	4.50E-07	1.36E-06	7.87E-07	7.68E-07	6.96E-07	3.18E-07	3.14E-07	1.50E-08	3.63E-07	8.02E-08	1.04E-07	1.65E-07	2.92E-08	2.07E-08	7.78E-07	4.11E-07	1.74E-07	2.05E-07	8.05E-08	4.11E-07	1.74E-07
452	488819.6	3857551	1.40E-03	1.36E-03	1.35E-03	4.84E-07	1.46E-06	8.46E-07	8.26E-07	7.48E-07	3.41E-07	3.37E-07	1.62E-08	3.90E-07	8.61E-08	1.12E-07	1.78E-07	3.13E-08	2.22E-08	8.36E-07	4.41E-07	1.87E-07	2.20E-07	8.65E-08	4.41E-07	1.87E-07
453	488869.6	3857551	1.37E-03	1.33E-03	1.32E-03	4.74E-07	1.43E-06	8.28E-07	8.08E-07	7.32E-07	3.34E-07	3.30E-07	1.58E-08	3.82E-07	8.43E-08	1.10E-07	1.74E-07	3.07E-08	2.17E-08	8.18E-07	4.32E-07	1.83E-07	2.15E-07	8.47E-08	4.32E-07	1.83E-07
454	488919.6	3857551	1.34E-03	1.31E-03	1.29E-03	4.64E-07	1.40E-06	8.11E-07	7.91E-07	7.17E-07	3.27E-07	3.23E-07	1.55E-08	3.74E-07	8.26E-08	1.07E-07	1.70E-07	3.00E-08	2.13E-08	8.01E-07	4.23E-07	1.79E-07	2.11E-07	8.29E-08	4.23E-07	1.79E-07
455	489663.71	3860900	4.51E-04	4.40E-04	4.35E-04	1.56E-07	4.72E-07	2.73E-07	2.67E-07	2.42E-07	1.10E-07	1.09E-07	5.22E-09	1.26E-07	2.78E-08	3.62E-08	5.74E-08	1.01E-08	7.17E-09	2.70E-07	1.42E-07	6.04E-08	7.11E-08	2.79E-08	1.42E-07	6.04E-08
456	489813.71	3860900	4.73E-04	4.62E-04	4.56E-04	1.64E-07	4.95E-07	2.86E-07	2.79E-07	2.53E-07	1.16E-07	1.14E-07	5.47E-09	1.32E-07	2.92E-08	3.79E-08	6.02E-08	1.06E-08	7.52E-09	2.83E-07	1.49E-07	6.34E-08	7.46E-08	2.93E-08	1.49E-07	6.34E-08
457	489863.71	3860900	4.81E-04	4.69E-04	4.63E-04	1.66E-07	5.03E-07	2.91E-07	2.84E-07	2.57E-07	1.17E-07	1.16E-07	5.56E-09	1.34E-07	2.96E-08	3.85E-08	6.11E-08	1.08E-08	7.64E-09	2.88E-07	1.52E-07	6.44E-08	7.57E-08	2.98E-08	1.52E-07	6.44E-08
458	489913.71	3860900	4.89E-04	4.77E-04	4.71E-04	1.69E-07	5.11E-07	2.96E-07	2.89E-07	2.62E-07	1.19E-07	1.18E-07	5.65E-09	1.37E-07	3.01E-08	3.92E-08	6.22E-08	1.10E-08	7.77E-09	2.93E-07	1.54E-07	6.55E-08	7.71E-08	3.03E-08	1.54E-07	6.55E-08
459	489963.71	3860900	4.97E-04	4.85E-04	4.79E-04	1.72E-07	5.20E-07	3.01E-07	2.94E-07	2.66E-07	1.21E-07	1.20E-07	5.75E-09	1.39E-07	3.06E-08	3.99E-08	6.33E-08	1.11E-08	7.91E-09	2.97E-07	1.57E-07	6.66E-08	7.84E-08	3.08E-08	1.57E-07	6.66E-08
460	490013.71	3860900	5.07E-04	4.94E-04	4.88E-04	1.75E-07	5.29E-07	3.07E-07	2.99E-07	2.71E-07	1.24E-07	1.22E-07	5.86E-09	1.41E-07	3.12E-08	4.06E-08	6.44E-08	1.14E-08	8.05E-09	3.03E-07	1.60E-07	6.78E-08	7.98E-08	3.14E-08	1.60E-07	6.78E-08
461	490063.71	3860900	5.16E-04	5.03E-04	4.97E-04	1.79E-07	5.39E-07	3.12E-07	3.04E-07	2.76E-07	1.26E-07	1.24E-07	5.96E-09	1.44E-07	3.18E-08	4.13E-08	6.56E-08	1.16E-08	8.20E-09	3.08E-07	1.63E-07	6.91E-08	8.12E-08	3.19E-08	1.63E-07	6.91E-08
462	489663.71	3860950	4.39E-04	4.29E-04	4.23E-04	1.52E-07	4.59E-07	2.66E-07	2.59E-07	2.35E-07	1.07E-07	1.06E-07	5.08E-09	1.23E-07	2.71E-08	3.52E-08	5.59E-08	9.85E-09	6.98E-09	2.63E-07	1.39E-07	5.88E-08	6.92E-08	2.72E-08	1.39E-07	5.88E-08
463	489813.71	3860950	4.60E-04	4.49E-04	4.43E-04	1.59E-07	4.80E-07	2.78E-07	2.71E-07	2.46E-07	1.12E-07	1.11E-07	5.31E-09	1.28E-07	2.83E-08	3.69E-08	5.85E-08	1.03E-08	7.31E-09	2.75E-07	1.45E-07	6.16E-08	7.24E-08	2.84E-08	1.45E-07	6.16E-08
464	489863.71	3860950	4.66E-04	4.55E-04	4.49E-04	1.61E-07	4.87E-07	2.82E-07	2.75E-07	2.50E-07	1.14E-07	1.12E-07	5.39E-09	1.30E-07	2.87E-08	3.74E-08	5.93E-08	1.05E-08	7.41E-09	2.79E-07	1.47E-07	6.24E-08	7.35E-08	2.89E-08	1.47E-07	6.24E-08
465	489913.71	3860950	4.74E-04	4.63E-04	4.57E-04	1.64E-07	4.96E-07	2.87E-07	2.80E-07	2.54E-07	1.16E-07	1.14E-07	5.48E-09	1.32E-07	2.92E-08	3.80E-08	6.03E-08	1.06E-08	7.54E-09	2.84E-07	1.50E-07	6.35E-08	7.47E-08	2.93E-08	1.50E-07	6.35E-08
466	489963.71	3860950	4.82E-04	4.70E-04	4.64E-04	1.67E-07	5.04E-07	2.92E-07	2.85E-07	2.58E-07	1.18E-07	1.16E-07	5.57E-09	1.35E-07	2.97E-08	3.86E-08	6.13E-08	1.08E-08	7.66E-09	2.88E-07	1.52E-07	6.46E-08	7.59E-08	2.98E-08	1.52E-07	6.46E-08
467	490013.71	3860950	4.90E-04	4.79E-04	4.72E-04	1.70E-07	5.13E-07	2.97E-07	2.90E-07	2.62E-07	1.20E-07	1.18E-07	5.67E-09	1.37E-07	3.02E-08	3.93E-08	6.24E-08	1.10E-08	7.79E-09	2.93E-07	1.55E-07	6.57E-08	7.73E-08	3.03E-08	1.55E-07	6.57E-08
468	490063.71	3860950	4.99E-04	4.87E-04	4.80E-04	1.73E-07	5.21E-07	3.02E-07	2.94E-07	2.67E-07	1.22E-07	1.20E-07	5.76E-09	1.39E-07	3.07E-08	4.00E-08	6.34E-08	1.12E-08	7.93E-09	2.98E-07	1.57E-07	6.68E-08	7.86E-08	3.09E-08	1.57E-07	6.68E-08
469	489513.71	3861000	4.12E-04	4.02E-04	3.96E-04	1.42E-07	4.30E-07	2.49E-07	2.43E-07	2.20E-07	1.01E-07	9.92E-08	4.76E-09	1.15E-07	2.54E-08	3.30E-08	5.23E-08	9.22E-09	6.54E-09	2.46E-07	1.30E-07	5.51E-08	6.48E-08	2.55E-08	1.30E-07	5.51E-08
470	489563.71	3861000	4.17E-04	4.06E-04	4.01E-04	1.44E-07	4.35E-07	2.52E-07	2.46E-07	2.23E-07	1.02E-07	1.00E-07	4.81E-09	1.16E-07	2.57E-08	3.34E-08	5.30E-08	9.34E-09	6.62E-09	2.49E-07	1.31E-07	5.58E-08	6.56E-08	2.58E-08	1.31E-07	5.58E-08
471	489613.71	3861000	4.22E-04	4.12E-04	4.07E-04	1.46E-07	4.41E-07	2.56E-07	2.49E-07	2.26E-07	1.03E-07	1.02E-07	4.88E-09	1.18E-07	2.60E-08	3.39E-08	5.37E-08	9.47E-09	6.71E-09	2.53E-07	1.33E-07	5.66E-08	6.65E-08	2.61E-08	1.33E-07	5.66E-08
472	489663.71	3861000	4.28E-04	4.18E-04	4.12E-04	1.48E-07	4.48E-07	2.59E-07	2.53E-07	2.29E-07	1.05E-07	1.03E-07	4.95E-09	1.20E-07	2.64E-08	3.43E-08	5.44E-08	9.60E-09	6.81E-09	2.56E-07	1.35E-07	5.73E-08	6.74E-08	2.65E-08	1.35E-07	5.73E-08
473	489713.71	3861000	4.34E-04	4.24E-04	4.18E-04	1.50E-07	4.54E-07	2.63E-07	2.56E-07	2.32E-07	1.06E-07	1.05E-07	5.02E-09	1.21E-07	2.68E-08	3.48E-08	5.52E-08	9.74E-09	6.90E-09	2.60E-07	1.37E-07	5.82E-08	6.84E-08	2.69E-08	1.37E-07	5.82E-08
474	489763.71	3861000	4.40E-04	4.30E-04	4.24E-04	1.52E-07	4.60E-07	2.66E-07	2.60E-07	2.36E-07	1.08E-07	1.06E-07	5.09E-09	1.23E-07	2.71E-08	3.53E-08	5.60E-08	9.87E-09	7.00E-09	2.63E-07	1.39E-07	5.89E-08	6.93E-08	2.72E-08	1.39E-07	5.89E-08
475	489813.71	3861000	4.47E-04	4.36E-04	4.31E-04	1.55E-07	4.67E-07	2.71E-07	2.64E-07	2.39E-07	1.09E-07	1.08E-07	5.17E-09	1.25E-07	2.76E-08	3.59E-08	5.69E-08	1.00E-08	7.11E-09	2.67E-07	1.41E-07	5.99E-08	7.05E-08	2.77E-08	1.41E-07	5.99E-08
476	489863.71	3861000	4.53E-04	4.42E-04	4.37E-04	1.57E-07	4.74E-07	2.74E-07	2.68E-07	2.43E-07	1.11E-07	1.09E-07	5.24E-09	1.27E-07	2.79E-08	3.64E-08	5.77E-08	1.02E-08	7.21E-09	2.71E-07	1.43E-07	6.07E-08	7.14E-08	2.81E-08	1.43E-07	6.07E-08
477	489913.71	3861000	4.61E-04	4.50E-04	4.44E-04	1.60E-07	4.82E-07	2.79E-07	2.72E-07	2.47E-07	1.13E-07	1.11E-07	5.33E-09	1.29E-07	2.84E-08	3.69E-08	5.86E-08	1.03E-08	7.33E-09	2.76E-07	1.45E-07	6.17E-08	7.26E-08	2.85E-08	1.45E-07	6.17E-08
478	489963.71	3861000	4.68E-04	4.56E-04	4.50E-04	1.62E-07	4.89E-07	2.83E-07	2.76E-07	2.50E-07	1.14E-07	1.13E-07	5.40E-09	1.31E-07	2.88E-08	3.75E-08	5.95E-08	1.05E-08	7.43E-09	2.80E-07	1.48E-07	6.26E-08	7.37E-08	2.89E-08	1.48E-07	6.26E-08
479	490013.71	3861000	4.75E-04	4.64E-04	4.58E-04	1.65E-07	4.97E-07	2.88E-07	2.81E-07	2.54E-07	1.16E-07	1.15E-07	5.50E-09	1.33E-07	2.93E-08	3.81E-08	6.05E-08	1.07E-08	7.56E-09	2.84E-07	1.50E-07	6.37E-08	7.49E-08	2.94E-08	1.50E-07	6.37E-08
480	490063.71	3861000	4.83E-04	4.72E-04	4.65E-04	1.67E-07	5.05E-07	2.92E-07	2.85E-07	2.59E-07	1.18E-07	1.16E-07	5.59E-09	1.35E-07	2.98E-08	3.87E-08	6.15E-08	1.08E-08	7.68E-09	2.89E-07	1.53E-07	6.47E-08	7.61E-08	2.99E-08	1.53E-07	6.47E-08
481	489513.71	3861050	4.02E-04	3.93E-04	3.87E-04	1.39E-07	4.21E-07	2.43E-07	2.38E-07	2.15E-07	9.83E-08	9.70E-08	4.65E-09	1.12E-07	2.48E-08	3.23E-08	5.12E-08	9.02E-09	6.40E-09	2.41E-07	1.27E-07	5.39E-08	6.34E-08	2.49E-08	1.27E-07	5.39E-08
482	489563.71	3861050	4.07E-04	3.97E-04	3.92E-04	1.41E-07	4.25E-07	2.46E-07	2.40E-07	2.18E-07	9.94E-08	9.81E-08	4.70E-09	1.14E-07	2.51E-08	3.26E-08	5.18E-08	9.12E-09	6.47E-09	2.43E-07	1.28E-07	5.45E-08	6.41E-08	2.52E-08	1.28E-07	5.45E-08
483	489613.71	3861050	4.13E-04	4.03E-04	3.97E-04	1.43E-07	4.31E-07	2.50E-07	2.44E-07	2.21E-07	1.01E-07	9.95E-08	4.77E-09	1.15E-07	2.54E-08	3.31E-08	5.25E-08	9.25E-09	6.56E-09	2.47E-07	1.30E-07	5.53E-08	6.50E-08	2.55E-08	1.30E-07	5.53E-08
484	489663.71	3861050	4.18E-04	4.08E-04	4.02E-04	1.45E-07	4.37E-07	2.53E-07	2.47E-07	2.24E-07	1.02E-07	1.01E-07	4.83E-09	1.17E-07	2.57E-08	3.35E-08	5.31E-08	9.36E-09	6.64E-09	2.50E-07	1.32E-07	5.59E-08	6.58E-08	2.59E-08	1.32E-07	5.59E-08
485	489713.71	3861050	4.23E-04	4.13E-04	4.07E-04	1.46E-07	4.42E-07	2.56E-07	2.50E-07	2.26E-07	1.03E-07	1.02E-07	4.89E-09	1.18E-07	2.61E-08	3.39E-08	5.38E-08	9.48E-09	6.73E-09	2.53E-07	1.34E-07	5.67E-08	6.67E-08	2.62E-08	1.34E-07	5.67E-08
486	489763.71	3861050	4.29E-04	4.19E-04	4.13E-04	1.48E-07	4.48E-07	2.60E-07	2.53E-07	2.30E-07	1.05E-07	1.03E-07	4.96E-09	1.20E-07	2.64E-08	3.44E-08	5.46E-08	9.61E-09	6.82E-09	2.57E-07	1.35E-07	5.74E-08	6.76E-08	2.65E-08	1.35E-07	5.74E-08
487	489813.71	3861050	4.35E-04	4.25E-04	4.19E-04	1.51E-07	4.55E-07	2.63E-07	2.57E-07	2.33E-07	1.06E-07	1.05E-07	5.03E-09	1.22E-07	2.68E-08	3.49E-08	5.53E-08	9.75E-09	6.92E-09	2.60E-07	1.37E-07	5.83E-08	6.86E-08	2.69E-08	1.37E-07	5.83E-08
488	489863.71	3861050	4.41E-04	4.31E-04	4.25E-04	1.53E-07	4.61E-07	2.67E-07	2.61E-07	2.36E-07	1.08E-07	1.06E-07	5.10E-09	1.23E-07	2.72E-08	3.54E-08	5.61E-08	9.89E-09	7.02E-09	2.64E-07	1.39E-07	5.91E-08	6.95E-08	2.73E-08	1.39E-07	5.91E-08
489	489913.71	3861050	4.48E-04	4.37E-04	4.31E-04	1.55E-07	4.68E-07	2.71E-07	2.65E-07	2.40E-07	1.09E-07	1.08E-07	5.18E-09	1.25E-07	2.76E-08	3.59E-08	5.70E-08	1.00E-08	7.12E-09	2.68E-07	1.41E-07	6.00E-08	7.06E-08	2.77E-08	1.41E-07	6.00E-08
490	489963.71	3861050	4.55E-04	4.44E-04	4.38E-04	1.57E-07	4.75E-07	2.75E-07	2.68E-07	2.43E-07	1.11E-07	1.10E-07	5.26E-09	1.27E-07	2.80E-08	3.65E-08	5.78E-08	1.02E-08	7.23E-09	2.72E-07	1.44E-07	6.09E-08	7.16E-08	2.81E-08	1.44E-07	6.09E-08
491	490013.71	3861050	4.62E-04	4.51E-04	4.45E-04	1.60E-07	4.83E-07	2.80E-07	2.73E-07	2.47E-07	1.13E-07	1.11E-07	5.34E-09	1.29E-07	2.85E-08	3.70E-08	5.88E-08	1.04E-08	7.35E-09	2.76E-07	1.46E-07	6.19E-08	7.28E-08	2.86E-08	1.46E-07	6.19E-08
492	490063.71	3861050	4.69E-04	4.58E-04	4.52E-04	1.62E-07	4.90E-07	2.84E-07	2.77E-07	2.51E-07	1.15E-07	1.13E-07	5.42E-09	1.31E-07	2.89E-08	3.76E-08	5.97E-08	1.05E-08	7.46E-09	2.81E-07	1.48E-07	6.28E-08	7.39E-08	2.90E-08	1.48E-07	6.28E-08
493	489513.71	3861100	3.93E-04	3.84E-04	3.79E-04	1.36E-07	4.11E-07	2.38E-07	2.32E-07	2.11E-07	9.61E-08	9.48E-08	4.55E-09	1.10E-07	2.42E-08	3.15E-08	5.00E-08	8.81E-09	6.25E-09	2.35E-07	1.24E-07	5.27E-08	6.20E-08	2.43E-08	1.24E-07	5.27E-08
494	489563.71	3861100	3.98E-04	3.88E-04	3.83E-04	1.38E-07	4.16E-07	2.41E-07	2.35E-07	2.13E-07	9.72E-08	9.59E-08	4.60E-09	1.11E-07	2.45E-08	3.19E-08	5.06E-08	8.92E-09	6.32E-09	2.38E-07	1.26E-07	5.33E-08	6.27E-08	2.46E-08	1.26E-07	5.33E-08
495	489613.71	3861100	4.02E-04	3.92E-04	3.87E-04	1.39E-07	4.20E-07	2.43E-07	2.37E-07	2.15E-07	9.82E-08	9.69E-08	4.65E-09	1.12E-07	2.48E-08	3.22E-08	5.11E-08	9.01E-09	6.39E-09	2.40E-07	1.27E-07	5.38E-08	6.33E-08	2.49E-08	1.27E-07	5.38E-08
496	489663.71	3861100	4.07E-04	3.97E-04	3.92E-04	1.41E-07	4.25E-07	2.46E-07	2.40E-07	2.18E-07	9.94E-08	9.81E-08	4.70E-09	1.14E-07	2.51E-08	3.26E-08	5.18E-08	9.12E-09	6.47E-09	2.43E-07	1.28E-07	5.45E-08	6.41E-08	2.52E-08	1.28E-07	5.45E-08
497	489713.71	3861100	4.12E-04	4.02E-04	3.97E-04	1.43E-07	4.31E-07	2.50E-07	2.43E-07	2.21E-07	1.01E-07	9.94E-08	4.77E-09	1.15E-07	2.54E-08	3.31E-08	5.24E-08	9.24E-09	6.55E-09	2.47E-07	1.30E-07	5.52E-08	6.50E-08	2.55E-08	1.30E-07	5.52E-08
498	489763.71	3861100	4.18E-04	4.08E-04	4.03E-04	1.45E-07	4.37E-07	2.53E-07	2.47E-07	2.24E-07	1.02E-07	1.01E-07	4.83E-09	1.17E-07	2.58E-08	3.35E-08	5.32E-08	9.37E-09	6.65E-09	2.50E-07	1.32E-07	5.60E-08	6.59E-08	2.59E-08	1.32E-07	5.60E-08
499	489813.71	3861100	4.24E-04	4.14E-04	4.08E-04	1.47E-07	4.43E-07	2.57E-07	2.50E-07	2.27E-07	1.04E-07	1.02E-07	4.90E-09	1.18E-07	2.61E-08	3.40E-08	5.39E-08	9.50E-09	6.74E-09	2.54E-07	1.34E-07	5.68E-08	6.68E-08	2.62E-08	1.34E-07	5.68E-08
500	489863.71	3861100	4.30E-04	4.20E-04	4.14E-04	1.49E-07	4.50E-07	2.60E-07	2.54E-07	2.30E-07	1.05E-07	1.04E-07	4.97E-09	1.20E-07	2.65E-08	3.45E-08	5.47E-08	9.64E-09	6.84E-09	2.57E-07	1.36E-07	5.76E-08	6.78E-08	2.66E-08	1.36E-07	5.76E-08
501	489913.71	3861100	4.36E-04	4.25E-04	4.20E-04	1.51E-07	4.56E-07	2.64E-07	2.57E-07	2.33E-07	1.06E-07	1.05E-07	5.04E-09	1.22E-07	2.69E-08	3.50E-08	5.55E-08	9.77E-09	6.93E-09	2.61E-07	1.38E-07	5.84E-08	6.87E-08	2.70E-08	1.38E-07	5.84E-08
502	489963.71	3861100	4.43E-04	4.32E-04	4.26E-04	1.53E-07	4.63E-07	2.68E-07	2.61E-07	2.37E-07	1.08E-07	1.07E-07	5.12E-09	1.24E-07	2.73E-08	3.55E-08	5.63E-08	9.92E-09	7.04E-09	2.65E-07	1.40E-07	5.93E-08	6.97E-08	2.74E-08	1.40E-07	5.93E-08
503	490013.71	3861100	4.49E-04	4.38E-04	4.32E-04	1.55E-07	4.69E-07	2.72E-07	2.65E-07	2.40E-07	1.10E-07	1.08E-07	5.19E-09	1.25E-07	2.77E-08	3.60E-08	5.71E-08	1.01E-08	7.14E-09	2.68E-07	1.42E-07	6.01E-08	7.07E-08	2.78E-08	1.42E-07	6.01E-08
504	490063.71	3861100	4.56E-04	4.45E-04	4.39E-04	1.58E-07	4.77E-07	2.76E-07	2.69E-07	2.44E-07	1.11E-07	1.10E-07	5.28E-09	1.27E-07	2.81E-08	3.66E-08	5.80E-08	1.02E-08	7.25E-09	2.73E-07	1.44E-07	6.11E-08	7.19E-08	2.82E-08	1.44E-07	6.11E-08
505	489713.71	3861150	4.02E-04	3.93E-04	3.87E-04	1.39E-07	4.21E-07	2.43E-07	2.38E-07	2.15E-07	9.83E-08	9.70E-08	4.65E-09	1.12E-07	2.48E-08	3.23E-08	5.12E-08	9.02E-09	6.40E-09	2.41E-07	1.27E-07	5.39E-08	6.34E-08	2.49E-08	1.27E-07	5.39E-08
506	489763.71	3861150	4.08E-04	3.98E-04	3.93E-04	1.41E-07	4.26E-07	2.47E-07	2.41E-07	2.18E-07	9.96E-08	9.83E-08	4.71E-09	1.14E-07	2.51E-08	3.27E-08	5.19E-08	9.14E-09	6.48E-09	2.44E-07	1.29E-07	5.46E-08	6.42E-08	2.52E-08	1.29E-07	5.46E-08
507	489813.71	3861150	4.14E-04	4.04E-04	3.98E-04	1.43E-07	4.32E-07	2.50E-07	2.44E-07	2.21E-07	1.01E-07	9.97E-08	4.78E-09	1.15E-07	2.55E-08	3.32E-08	5.26E-08	9.27E-09	6.57E-09	2.47E-07	1.31E-07	5.54E-08	6.52E-08	2.56E-08	1.31E-07	5.54E-08
508	489863.71	3861150	4.19E-04	4.09E-04	4.03E-04	1.45E-07	4.38E-07	2.54E-07	2.47E-07	2.24E-07	1.02E-07	1.01E-07	4.84E-09	1.17E-07	2.58E-08	3.36E-08	5.33E-08	9.39E-09	6.66E-09	2.51E-07	1.32E-07	5.61E-08	6.60E-08	2.59E-08	1.32E-07	5.61E-08
509	489913.71	3861150	4.25E-04	4.15E-04	4.09E-04	1.47E-07	4.44E-07	2.57E-07	2.51E-07	2.27E-07	1.04E-07	1.02E-07	4.91E-09	1.19E-07	2.62E-08	3.41E-08	5.40E-08	9.52E-09	6.75E-09	2.54E-07	1.34E-07	5.69E-08	6.69E-08	2.63E-08	1.34E-07	5.69E-08
510	489963.71	3861150	4.31E-04	4.21E-04	4.15E-04	1.49E-07	4.51E-07	2.61E-07	2.55E-07	2.31E-07	1.05E-07	1.04E-07	4.98E-09	1.20E-07	2.66E-08	3.46E-08	5.48E-08	9.66E-09	6.85E-09	2.58E-07	1.36E-07	5.77E-08	6.79E-08	2.67E-08	1.36E-07	5.77E-08
511	490013.71	3861150	4.37E-04	4.26E-04	4.21E-04	1.51E-07	4.57E-07	2.64E-07	2.58E-07	2.34E-07	1.07E-07	1.05E-07	5.05E-09	1.22E-07	2.69E-08	3.50E-08	5.56E-08	9.79E-09	6.94E-09	2.61E-07	1.38E-07	5.85E-08	6.88E-08	2.70E-08	1.38E-07	5.85E-08

512	490063.71	3861150	4.44E-04	4.33E-04	4.27E-04	1.54E-07	4.64E-07	2.68E-07	2.62E-07	2.37E-07	1.08E-07	1.07E-07	5.13E-09	1.24E-07	2.73E-08	3.56E-08	5.64E-08	9.94E-09	7.05E-09	2.65E-07	1.40E-07	5.94E-08	6.99E-08	2.74E-08	1.40E-07	5.94E-08
513	489613.71	3861200	3.83E-04	3.74E-04	3.69E-04	1.33E-07	4.01E-07	2.32E-07	2.26E-07	2.05E-07	9.36E-08	9.24E-08	4.43E-09	1.07E-07	2.36E-08	3.07E-08	4.88E-08	8.59E-09	6.09E-09	2.29E-07	1.21E-07	5.13E-08	6.04E-08	2.37E-08	1.21E-07	5.13E-08
514	489663.71	3861200	3.88E-04	3.79E-04	3.74E-04	1.34E-07	4.06E-07	2.35E-07	2.29E-07	2.08E-07	9.48E-08	9.36E-08	4.49E-09	1.08E-07	2.39E-08	3.11E-08	4.94E-08	8.70E-09	6.17E-09	2.32E-07	1.23E-07	5.20E-08	6.12E-08	2.40E-08	1.23E-07	5.20E-08
515	489713.71	3861200	3.93E-04	3.83E-04	3.78E-04	1.36E-07	4.11E-07	2.38E-07	2.32E-07	2.10E-07	9.60E-08	9.47E-08	4.54E-09	1.10E-07	2.42E-08	3.15E-08	5.00E-08	8.81E-09	6.25E-09	2.35E-07	1.24E-07	5.26E-08	6.19E-08	2.43E-08	1.24E-07	5.26E-08
516	489763.71	3861200	3.98E-04	3.88E-04	3.83E-04	1.38E-07	4.16E-07	2.41E-07	2.35E-07	2.13E-07	9.72E-08	9.59E-08	4.60E-09	1.11E-07	2.45E-08	3.19E-08	5.06E-08	8.92E-09	6.32E-09	2.38E-07	1.26E-07	5.33E-08	6.27E-08	2.46E-08	1.26E-07	5.33E-08
517	489813.71	3861200	4.03E-04	3.94E-04	3.88E-04	1.40E-07	4.21E-07	2.44E-07	2.38E-07	2.16E-07	9.85E-08	9.72E-08	4.66E-09	1.13E-07	2.48E-08	3.23E-08	5.13E-08	9.04E-09	6.41E-09	2.41E-07	1.27E-07	5.40E-08	6.35E-08	2.50E-08	1.27E-07	5.40E-08
518	489863.71	3861200	4.09E-04	3.99E-04	3.94E-04	1.42E-07	4.28E-07	2.48E-07	2.42E-07	2.19E-07	9.99E-08	9.86E-08	4.73E-09	1.14E-07	2.52E-08	3.28E-08	5.20E-08	9.17E-09	6.50E-09	2.45E-07	1.29E-07	5.48E-08	6.44E-08	2.53E-08	1.29E-07	5.48E-08
519	489913.71	3861200	4.14E-04	4.04E-04	3.99E-04	1.43E-07	4.33E-07	2.51E-07	2.44E-07	2.22E-07	1.01E-07	9.98E-08	4.79E-09	1.16E-07	2.55E-08	3.32E-08	5.27E-08	9.28E-09	6.58E-09	2.48E-07	1.31E-07	5.54E-08	6.52E-08	2.56E-08	1.31E-07	5.54E-08
520	489963.71	3861200	4.20E-04	4.10E-04	4.04E-04	1.45E-07	4.39E-07	2.54E-07	2.48E-07	2.25E-07	1.03E-07	1.01E-07	4.85E-09	1.17E-07	2.59E-08	3.37E-08	5.34E-08	9.41E-09	6.67E-09	2.51E-07	1.33E-07	5.62E-08	6.61E-08	2.60E-08	1.33E-07	5.62E-08
521	490013.71	3861200	4.26E-04	4.15E-04	4.10E-04	1.47E-07	4.45E-07	2.58E-07	2.51E-07	2.28E-07	1.04E-07	1.03E-07	4.92E-09	1.19E-07	2.62E-08	3.41E-08	5.41E-08	9.54E-09	6.77E-09	2.55E-07	1.34E-07	5.70E-08	6.71E-08	2.63E-08	1.34E-07	5.70E-08
522	490063.71	3861200	4.32E-04	4.21E-04	4.16E-04	1.50E-07	4.51E-07	2.61E-07	2.55E-07	2.31E-07	1.05E-07	1.04E-07	4.99E-09	1.21E-07	2.66E-08	3.46E-08	5.49E-08	9.68E-09	6.86E-09	2.58E-07	1.36E-07	5.78E-08	6.80E-08	2.67E-08	1.36E-07	5.78E-08
523	489513.71	3861250	3.66E-04	3.57E-04	3.53E-04	1.27E-07	3.83E-07	2.22E-07	2.16E-07	1.96E-07	8.95E-08	8.83E-08	4.23E-09	1.02E-07	2.26E-08	2.94E-08	4.66E-08	8.21E-09	5.82E-09	2.19E-07	1.16E-07	4.91E-08	5.77E-08	2.27E-08	1.16E-07	4.91E-08
524	489563.71	3861250	3.71E-04	3.62E-04	3.57E-04	1.28E-07	3.88E-07	2.24E-07	2.19E-07	1.99E-07	9.06E-08	8.94E-08	4.29E-09	1.04E-07	2.29E-08	2.97E-08	4.72E-08	8.31E-09	5.90E-09	2.22E-07	1.17E-07	4.97E-08	5.84E-08	2.30E-08	1.17E-07	4.97E-08
525	489613.71	3861250	3.75E-04	3.66E-04	3.61E-04	1.30E-07	3.92E-07	2.27E-07	2.21E-07	2.01E-07	9.16E-08	9.04E-08	4.34E-09	1.05E-07	2.31E-08	3.01E-08	4.77E-08	8.41E-09	5.96E-09	2.24E-07	1.18E-07	5.02E-08	5.91E-08	2.32E-08	1.18E-07	5.02E-08
526	489663.71	3861250	3.80E-04	3.70E-04	3.66E-04	1.31E-07	3.97E-07	2.30E-07	2.24E-07	2.03E-07	9.27E-08	9.15E-08	4.39E-09	1.06E-07	2.34E-08	3.04E-08	4.83E-08	8.51E-09	6.03E-09	2.27E-07	1.20E-07	5.08E-08	5.98E-08	2.35E-08	1.20E-07	5.08E-08
527	489713.71	3861250	3.84E-04	3.74E-04	3.70E-04	1.33E-07	4.01E-07	2.32E-07	2.27E-07	2.05E-07	9.37E-08	9.25E-08	4.44E-09	1.07E-07	2.36E-08	3.08E-08	4.88E-08	8.60E-09	6.10E-09	2.30E-07	1.21E-07	5.14E-08	6.05E-08	2.38E-08	1.21E-07	5.14E-08
528	489763.71	3861250	3.89E-04	3.79E-04	3.74E-04	1.35E-07	4.06E-07	2.35E-07	2.30E-07	2.08E-07	9.49E-08	9.37E-08	4.49E-09	1.09E-07	2.40E-08	3.12E-08	4.94E-08	8.71E-09	6.18E-09	2.32E-07	1.23E-07	5.21E-08	6.12E-08	2.41E-08	1.23E-07	5.21E-08
529	489813.71	3861250	3.94E-04	3.84E-04	3.79E-04	1.36E-07	4.12E-07	2.38E-07	2.32E-07	2.11E-07	9.62E-08	9.49E-08	4.55E-09	1.10E-07	2.43E-08	3.16E-08	5.01E-08	8.82E-09	6.26E-09	2.35E-07	1.24E-07	5.27E-08	6.20E-08	2.44E-08	1.24E-07	5.27E-08
530	489863.71	3861250	3.99E-04	3.89E-04	3.84E-04	1.38E-07	4.17E-07	2.41E-07	2.36E-07	2.14E-07	9.75E-08	9.62E-08	4.61E-09	1.11E-07	2.46E-08	3.20E-08	5.08E-08	8.95E-09	6.34E-09	2.39E-07	1.26E-07	5.34E-08	6.29E-08	2.47E-08	1.26E-07	5.34E-08
531	489913.71	3861250	4.04E-04	3.94E-04	3.89E-04	1.40E-07	4.22E-07	2.45E-07	2.39E-07	2.16E-07	9.87E-08	9.74E-08	4.67E-09	1.13E-07	2.49E-08	3.24E-08	5.14E-08	9.06E-09	6.42E-09	2.42E-07	1.28E-07	5.41E-08	6.37E-08	2.50E-08	1.28E-07	5.41E-08
532	489963.71	3861250	4.09E-04	4.00E-04	3.94E-04	1.42E-07	4.28E-07	2.48E-07	2.42E-07	2.19E-07	1.00E-07	9.87E-08	4.73E-09	1.14E-07	2.52E-08	3.28E-08	5.21E-08	9.18E-09	6.51E-09	2.45E-07	1.29E-07	5.48E-08	6.45E-08	2.53E-08	1.29E-07	5.48E-08
533	490013.71	3861250	4.15E-04	4.05E-04	3.99E-04	1.44E-07	4.34E-07	2.51E-07	2.45E-07	2.22E-07	1.01E-07	1.00E-07	4.80E-09	1.16E-07	2.56E-08	3.33E-08	5.28E-08	9.30E-09	6.59E-09	2.48E-07	1.31E-07	5.56E-08	6.54E-08	2.57E-08	1.31E-07	5.56E-08
534	490063.71	3861250	4.21E-04	4.11E-04	4.05E-04	1.46E-07	4.40E-07	2.55E-07	2.48E-07	2.25E-07	1.03E-07	1.01E-07	4.86E-09	1.17E-07	2.59E-08	3.37E-08	5.35E-08	9.43E-09	6.69E-09	2.52E-07	1.33E-07	5.63E-08	6.63E-08	2.60E-08	1.33E-07	5.63E-08
535	489528.13	3861308	3.59E-04	3.50E-04	3.46E-04	1.24E-07	3.75E-07	2.17E-07	2.12E-07	1.92E-07	8.76E-08	8.65E-08	4.15E-09	1.00E-07	2.21E-08	2.88E-08	4.56E-08	8.04E-09	5.70E-09	2.15E-07	1.13E-07	4.81E-08	5.65E-08	2.22E-08	1.13E-07	4.81E-08
536	489578.13	3861308	3.63E-04	3.54E-04	3.49E-04	1.26E-07	3.79E-07	2.19E-07	2.14E-07	1.94E-07	8.86E-08	8.74E-08	4.19E-09	1.01E-07	2.23E-08	2.91E-08	4.61E-08	8.13E-09	5.76E-09	2.17E-07	1.14E-07	4.86E-08	5.71E-08	2.24E-08	1.14E-07	4.86E-08
537	489628.13	3861308	3.67E-04	3.58E-04	3.53E-04	1.27E-07	3.83E-07	2.22E-07	2.17E-07	1.96E-07	8.96E-08	8.84E-08	4.24E-09	1.02E-07	2.26E-08	2.94E-08	4.66E-08	8.22E-09	5.83E-09	2.19E-07	1.16E-07	4.91E-08	5.78E-08	2.27E-08	1.16E-07	4.91E-08
538	489678.13	3861308	3.70E-04	3.62E-04	3.57E-04	1.28E-07	3.87E-07	2.24E-07	2.19E-07	1.98E-07	9.05E-08	8.93E-08	4.28E-09	1.03E-07	2.28E-08	2.97E-08	4.71E-08	8.30E-09	5.89E-09	2.22E-07	1.17E-07	4.96E-08	5.84E-08	2.29E-08	1.17E-07	4.96E-08
539	489728.13	3861308	3.75E-04	3.66E-04	3.62E-04	1.30E-07	3.92E-07	2.27E-07	2.22E-07	2.01E-07	9.17E-08	9.05E-08	4.34E-09	1.05E-07	2.31E-08	3.01E-08	4.77E-08	8.42E-09	5.97E-09	2.25E-07	1.19E-07	5.03E-08	5.91E-08	2.32E-08	1.19E-07	5.03E-08
540	489778.13	3861308	3.80E-04	3.70E-04	3.66E-04	1.31E-07	3.97E-07	2.30E-07	2.24E-07	2.03E-07	9.27E-08	9.15E-08	4.39E-09	1.06E-07	2.34E-08	3.04E-08	4.83E-08	8.51E-09	6.03E-09	2.27E-07	1.20E-07	5.08E-08	5.98E-08	2.35E-08	1.20E-07	5.08E-08
541	489678.13	3861358	3.63E-04	3.54E-04	3.50E-04	1.26E-07	3.79E-07	2.20E-07	2.14E-07	1.94E-07	8.87E-08	8.75E-08	4.20E-09	1.01E-07	2.24E-08	2.91E-08	4.62E-08	8.14E-09	5.77E-09	2.17E-07	1.15E-07	4.86E-08	5.72E-08	2.25E-08	1.15E-07	4.86E-08
542	489728.13	3861358	3.67E-04	3.58E-04	3.53E-04	1.27E-07	3.83E-07	2.22E-07	2.17E-07	1.96E-07	8.96E-08	8.84E-08	4.24E-09	1.02E-07	2.26E-08	2.94E-08	4.66E-08	8.22E-09	5.83E-09	2.19E-07	1.16E-07	4.91E-08	5.78E-08	2.27E-08	1.16E-07	4.91E-08
543	489528.13	3861408	3.44E-04	3.36E-04	3.31E-04	1.19E-07	3.59E-07	2.08E-07	2.03E-07	1.84E-07	8.40E-08	8.29E-08	3.98E-09	9.60E-08	2.12E-08	2.76E-08	4.37E-08	7.71E-09	5.47E-09	2.06E-07	1.09E-07	4.61E-08	5.42E-08	2.13E-08	1.09E-07	4.61E-08
544	489578.13	3861408	3.48E-04	3.39E-04	3.35E-04	1.20E-07	3.63E-07	2.10E-07	2.05E-07	1.86E-07	8.49E-08	8.38E-08	4.02E-09	9.71E-08	2.14E-08	2.79E-08	4.42E-08	7.79E-09	5.53E-09	2.08E-07	1.10E-07	4.66E-08	5.48E-08	2.15E-08	1.10E-07	4.66E-08
545	489628.13	3861408	3.51E-04	3.43E-04	3.38E-04	1.22E-07	3.67E-07	2.13E-07	2.07E-07	1.88E-07	8.58E-08	8.47E-08	4.06E-09	9.81E-08	2.17E-08	2.82E-08	4.47E-08	7.88E-09	5.59E-09	2.10E-07	1.11E-07	4.71E-08	5.54E-08	2.17E-08	1.11E-07	4.71E-08
546	489678.13	3861408	3.55E-04	3.46E-04	3.42E-04	1.23E-07	3.71E-07	2.15E-07	2.09E-07	1.90E-07	8.66E-08	8.55E-08	4.10E-09	9.90E-08	2.19E-08	2.84E-08	4.51E-08	7.95E-09	5.64E-09	2.12E-07	1.12E-07	4.75E-08	5.59E-08	2.20E-08	1.12E-07	4.75E-08
547	489728.13	3861408	3.59E-04	3.50E-04	3.46E-04	1.24E-07	3.75E-07	2.17E-07	2.12E-07	1.92E-07	8.76E-08	8.65E-08	4.15E-09	1.00E-07	2.21E-08	2.88E-08	4.56E-08	8.04E-09	5.70E-09	2.15E-07	1.13E-07	4.81E-08	5.65E-08	2.22E-08	1.13E-07	4.81E-08
548	489528.13	3861458	3.37E-04	3.29E-04	3.25E-04	1.17E-07	3.53E-07	2.04E-07	1.99E-07	1.81E-07	8.24E-08	8.13E-08	3.90E-09	9.42E-08	2.08E-08	2.70E-08	4.29E-08	7.56E-09	5.36E-09	2.02E-07	1.06E-07	4.52E-08	5.31E-08	2.09E-08	1.06E-07	4.52E-08
549	489578.13	3861458	3.41E-04	3.32E-04	3.28E-04	1.18E-07	3.56E-07	2.06E-07	2.01E-07	1.82E-07	8.32E-08	8.21E-08	3.94E-09	9.51E-08	2.10E-08	2.73E-08	4.33E-08	7.63E-09	5.41E-09	2.04E-07	1.08E-07	4.56E-08	5.37E-08	2.11E-08	1.08E-07	4.56E-08
550	489628.13	3861458	3.44E-04	3.36E-04	3.32E-04	1.19E-07	3.60E-07	2.08E-07	2.03E-07	1.84E-07	8.41E-08	8.30E-08	3.98E-09	9.61E-08	2.12E-08	2.76E-08	4.38E-08	7.72E-09	5.47E-09	2.06E-07	1.09E-07	4.61E-08	5.42E-08	2.13E-08	1.09E-07	4.61E-08
551	489678.13	3861458	3.48E-04	3.40E-04	3.35E-04	1.20E-07	3.64E-07	2.11E-07	2.06E-07	1.86E-07	8.50E-08	8.39E-08	4.02E-09	9.72E-08	2.14E-08	2.79E-08	4.43E-08	7.80E-09	5.53E-09	2.08E-07	1.10E-07	4.66E-08	5.48E-08	2.15E-08	1.10E-07	4.66E-08
552	489728.13	3861458	3.51E-04	3.43E-04	3.38E-04	1.22E-07	3.67E-07	2.13E-07	2.07E-07	1.88E-07	8.58E-08	8.47E-08	4.06E-09	9.81E-08	2.17E-08	2.82E-08	4.47E-08	7.88E-09	5.59E-09	2.10E-07	1.11E-07	4.71E-08	5.54E-08	2.17E-08	1.11E-07	4.71E-08
553	489528.13	3861508	3.31E-04	3.23E-04	3.18E-04	1.14E-07	3.46E-07	2.00E-07	1.95E-07	1.77E-07	8.08E-08	7.97E-08	3.82E-09	9.23E-08	2.04E-08	2.65E-08	4.20E-08	7.41E-09	5.26E-09	1.98E-07	1.04E-07	4.43E-08	5.21E-08	2.05E-08	1.04E-07	4.43E-08
554	489578.13	3861508	3.34E-04	3.26E-04	3.22E-04	1.16E-07	3.49E-07	2.02E-07	1.97E-07	1.79E-07	8.16E-08	8.05E-08	3.86E-09	9.33E-08	2.06E-08	2.68E-08	4.25E-08	7.49E-09	5.31E-09	2.00E-07	1.05E-07	4.47E-08	5.26E-08	2.07E-08	1.05E-07	4.47E-08
555	489628.13	3861508	3.38E-04	3.30E-04	3.25E-04	1.17E-07	3.53E-07	2.04E-07	1.99E-07	1.81E-07	8.25E-08	8.14E-08	3.90E-09	9.43E-08	2.08E-08	2.71E-08	4.29E-08	7.57E-09	5.37E-09	2.02E-07	1.07E-07	4.52E-08	5.32E-08	2.09E-08	1.07E-07	4.52E-08
556	489678.13	3861508	3.41E-04	3.32E-04	3.28E-04	1.18E-07	3.56E-07	2.06E-07	2.01E-07	1.82E-07	8.32E-08	8.21E-08	3.94E-09	9.51E-08	2.10E-08	2.73E-08	4.33E-08	7.63E-09	5.41E-09	2.04E-07	1.08E-07	4.56E-08	5.37E-08	2.11E-08	1.08E-07	4.56E-08
557	489728.13	3861508	3.44E-04	3.36E-04	3.32E-04	1.19E-07	3.60E-07	2.08E-07	2.03E-07	1.84E-07	8.41E-08	8.30E-08	3.98E-09	9.61E-08	2.12E-08	2.76E-08	4.38E-08	7.72E-09	5.47E-09	2.06E-07	1.09E-07	4.61E-08	5.42E-08	2.13E-08	1.09E-07	4.61E-08
558	489628.13	3861558	3.31E-04	3.23E-04	3.19E-04	1.15E-07	3.46E-07	2.00E-07	1.95E-07	1.77E-07	8.09E-08	7.98E-08	3.83E-09	9.24E-08	2.04E-08	2.65E-08	4.21E-08	7.42E-09	5.26E-09	1.98E-07	1.04E-07	4.43E-08	5.22E-08	2.05E-08	1.04E-07	4.43E-08
559	489678.13	3861558	3.34E-04	3.26E-04	3.22E-04	1.16E-07	3.50E-07	2.02E-07	1.97E-07	1.79E-07	8.17E-08	8.06E-08	3.87E-09	9.34E-08	2.06E-08	2.68E-08	4.25E-08	7.49E-09	5.32E-09	2.00E-07	1.06E-07	4.48E-08	5.27E-08	2.07E-08	1.06E-07	4.48E-08
560	489728.13	3861558	3.38E-04	3.30E-04	3.26E-04	1.17E-07	3.53E-07	2.05E-07	2.00E-07	1.81E-07	8.26E-08	8.15E-08	3.91E-09	9.44E-08	2.08E-08	2.71E-08	4.30E-08	7.58E-09	5.37E-09	2.02E-07	1.07E-07	4.53E-08	5.33E-08	2.09E-08	1.07E-07	4.53E-08
561	489357.08	3861016	3.93E-04	3.84E-04	3.79E-04	1.36E-07	4.11E-07	2.38E-07	2.32E-07	2.11E-07	9.61E-08	9.48E-08	4.55E-09	1.10E-07	2.42E-08	3.15E-08	5.00E-08	8.81E-09	6.25E-09	2.35E-07	1.24E-07	5.27E-08	6.20E-08	2.43E-08	1.24E-07	5.27E-08
562	489407.08	3861016	3.98E-04	3.88E-04	3.83E-04	1.38E-07	4.16E-07	2.41E-07	2.35E-07	2.13E-07	9.72E-08	9.59E-08	4.60E-09	1.11E-07	2.45E-08	3.19E-08	5.06E-08	8.92E-09	6.32E-09	2.38E-07	1.26E-07	5.33E-08	6.27E-08	2.46E-08	1.26E-07	5.33E-08
563	489457.08	3861016	4.02E-04	3.93E-04	3.87E-04	1.39E-07	4.21E-07	2.43E-07	2.38E-07	2.15E-07	9.83E-08	9.70E-08	4.65E-09	1.12E-07	2.48E-08	3.23E-08	5.12E-08	9.02E-09	6.40E-09	2.41E-07	1.27E-07	5.39E-08	6.34E-08	2.49E-08	1.27E-07	5.39E-08
564	489357.08	3861066	3.85E-04	3.76E-04	3.71E-04	1.33E-07	4.02E-07	2.33E-07	2.27E-07	2.06E-07	9.40E-08	9.28E-08	4.45E-09	1.08E-07	2.37E-08	3.09E-08	4.90E-08	8.63E-09	6.12E-09	2.30E-07	1.22E-07	5.16E-08	6.07E-08	2.38E-08	1.22E-07	5.16E-08
565	489407.08	3861066	3.89E-04	3.79E-04	3.74E-04	1.35E-07	4.06E-07	2.35E-07	2.30E-07	2.08E-07	9.49E-08	9.37E-08	4.49E-09	1.09E-07	2.40E-08	3.12E-08	4.94E-08	8.71E-09	6.18E-09	2.32E-07	1.23E-07	5.21E-08	6.12E-08	2.41E-08	1.23E-07	5.21E-08
566	489457.08	3861066	3.93E-04	3.84E-04	3.79E-04	1.36E-07	4.11E-07	2.38E-07	2.32E-07	2.11E-07	9.61E-08	9.48E-08	4.55E-09	1.10E-07	2.42E-08	3.15E-08	5.00E-08	8.81E-09	6.25E-09	2.35E-07	1.24E-07	5.27E-08	6.20E-08	2.43E-08	1.24E-07	5.27E-08
567	489357.08	3861116	3.77E-04	3.68E-04	3.63E-04	1.30E-07	3.94E-07	2.28E-07	2.22E-07	2.02E-07	9.20E-08	9.08E-08	4.35E-09	1.05E-07	2.32E-08	3.02E-08	4.79E-08	8.44E-09	5.99E-09	2.25E-07	1.19E-07	5.04E-08	5.93E-08	2.33E-08	1.19E-07	5.04E-08
568	489407.08	3861116	3.81E-04	3.72E-04	3.67E-04	1.32E-07	3.98E-07	2.30E-07	2.25E-07	2.04E-07	9.30E-08	9.18E-08	4.40E-09	1.06E-07	2.35E-08	3.05E-08	4.84E-08	8.54E-09	6.05E-09	2.28E-07	1.20E-07	5.10E-08	6.00E-08	2.36E-08	1.20E-07	5.10E-08
569	489457.08	3861116	3.85E-04	3.76E-04	3.71E-04	1.33E-07	4.02E-07	2.33E-07	2.27E-07	2.06E-07	9.40E-08	9.28E-08	4.45E-09	1.08E-07	2.37E-08	3.09E-08	4.90E-08	8.63E-09	6.12E-09	2.30E-07	1.22E-07	5.16E-08	6.07E-08	2.38E-08	1.22E-07	5.16E-08
570	489407.08	3861166	3.73E-04	3.64E-04	3.59E-04	1.29E-07	3.89E-07	2.25E-07	2.20E-07	1.99E-07	9.10E-08	8.98E-08	4.31E-09	1.04E-07	2.30E-08	2.99E-08	4.74E-08	8.35E-09	5.92E-09	2.23E-07	1.18E-07	4.99E-08	5.87E-08	2.31E-08	1.18E-07	4.99E-08
571	489457.08	3861166	3.77E-04	3.68E-04	3.63E-04	1.30E-07	3.94E-07	2.28E-07	2.22E-07	2.02E-07	9.20E-08	9.08E-08	4.35E-09	1.05E-07	2.32E-08	3.02E-08	4.79E-08	8.44E-09	5.99E-09	2.25E-07	1.19E-07	5.04E-08	5.93E-08	2.33E-08	1.19E-07	5.04E-08
572	489407.08	3861216	3.64E-04	3.55E-04	3.51E-04	1.26E-07	3.81E-07	2.20E-07	2.15E-07	1.95E-07	8.90E-08	8.78E-08	4.21E-09	1.02E-07	2.24E-08	2.92E-08	4.63E-08	8.16E-09	5.79E-09	2.18E-07	1.15E-07	4.88E-08	5.74E-08	2.25E-08	1.15E-07	4.88E-08
573	489457.08	3861216	3.68E-04	3.59E-04	3.54E-04	1.27E-07	3.85E-07	2.23E-07	2.17E-07	1.97E-07	8.99E-08	8.87E-08	4.25E-09	1.03E-07	2.27E-08	2.95E-08	4.68E-08	8.25E-09	5.85E-09	2.20E-07	1.16E-07	4.93E-08	5.80E-08	2.28E-08	1.16E-07	4.93E-08
574	489407.08	3861266	3.56E-04	3.47E-04	3.43E-04	1.23E-07	3.72E-07	2.15E-07	2.10E-07	1.91E-07	8.69E-08	8.58E-08	4.11E-09	9.94E-08	2.19E-08	2.85E-08	4.53E-08	7.98E-09	5.66E-09	2.13E-07	1.12E-07	4.77E-08	5.61E-08	2.20E-08	1.12E-07	4.77E-08
575	489457.08	3861266	3.60E-04	3.51E-04	3.46E-04	1.25E-07	3.76E-07	2.18E-07	2.12E-07	1.93E-07	8.78E-08	8.67E-08	4.16E-09	1.00E-07	2.22E-08	2.88E-08	4.57E-08	8.06E-09	5.72E-09	2.15E-07	1.14E-07	4.82E-08	5.67E-08	2.23E-08	1.14E-07	4.82E-08
576	489309.86	3861110	3.73E-04	3.64E-04	3.60E-04	1.29E-07	3.90E-07	2.26E-07	2.20E-07	2.00E-07	9.12E-08	9.00E-08	4.32E-09	1.04E-07	2.30E-08	2.99E-08	4.75E-08	8.37E-09	5.94E-09	2.23E-07	1.18E-07	5.00E-08	5.88E-08	2.31E-08	1.18E-07	5.00E-08
577	489407.08	3861316	3.48E-04	3.40E-04	3.36E-04	1.21E-07	3.64E-07	2.11E-07	2.06E-07	1.87E-07	8.51E-08	8.40E-08	4.03E-09	9.73E-08	2.15E-08	2.79E-08	4.43E-08	7.81E-09	5.54E-09	2.08E-07	1.10E-07	4.67E-08	5.49E-08	2.16E-08	1.10E-07	4.67E-08
578	489457.08	3861316	3.52E-04	3.44E-04	3.39E-04	1.22E-07	3.68E-07	2.13E-07	2.08E-07	1.89E-07	8.60E-08	8.49E-08	4.07E-09	9.83E-08	2.17E-08	2.82E-08	4.48E-08	7.89E-09	5.60E-09	2.11E-07	1.11E-07	4.72E-08	5.55E-08	2.18E-08	1.11E-07	4.72E-08
579	488906.03	3861007	3.61E-04	3.52E-04	3.47E-04	1.25E-07	3.77E-07	2.18E-07	2.13E-07	1.93E-07	8.80E-08	8.69E-08	4.17E-09	1.01E-07	2.22E-08	2.89E-08	4.58E-08	8.08E-09	5.73E-09	2.16E-07	1.14E-07	4.83E-08	5.68E-08	2.23E-08	1.14E-07	4.83E-08
580	488956.03	3861007	3.64E-04	3.55E-04	3.51E-04	1.26E-07	3.81E-07	2.20E-07	2.15E-07	1.95E-07	8.90E-08	8.78E-08	4.21E-09	1.02E-07	2.24E-08	2.92E-08	4.63E-08	8.16E-09	5.79E-09	2.18E-07	1.15E-07	4.88E-08	5.74E-08	2.25E-08	1.15E-07	4.88E-08
581	488904.24	3861052	3.55E-04	3.46E-04	3.42E-04	1.23E-07	3.71E-07	2.15E-07	2.09E-07	1.90E-07	8.66E-08	8.55E-08	4.10E-09	9.90E-08	2.19E-08	2.84E-08	4.51E-08	7.95E-09	5.64E-09	2.12E-07	1.12E-07	4.75E-08	5.59E-08	2.20E-08	1.12E-07	4.75E-08
582	488954.24	3861052	3.58E-04	3.49E-04	3.44E-04	1.24E-07	3.74E-07	2.16E-07	2.11E-07	1.91E-07	8.73E-08	8.62E-08	4.13E-09	9.99E-08	2.20E-08	2.87E-08	4.55E-08	8.02E-09	5.68E-09	2.14E-07	1.13E-07	4.79E-08	5.63E-08	2.21E-08	1.13E-07	4.79E-08
583	489004.24	3861052	3.62E-04	3.53E-04	3.48E-04	1.25E-07	3.78E-07	2.19E-07	2.14E-07	1.94E-07	8.84E-08	8.72E-08	4.18E-09	1.01E-07	2.23E-08	2.90E-08	4.60E-08	8.11E-09	5.75E-09	2.16E-07	1.14E-07	4.84E-08	5.70E-08	2.24E-08	1.14E-07	4.84E-08
584	488804.24	3861102	3.41E-04	3.33E-04	3.28E-04	1.18E-07	3.56E-07	2.06E-07	2.01E-07	1.83E-07	8.33E-08	8.22E-08	3.94E-09	9.52E-08	2.10E-08	2.73E-08	4.34E-08	7.64E-09	5.42E-09	2.04E-07	1.08E-07	4.57E-08	5.37E-08	2.11E-08	1.08E-07	4.57E-08
585	488854.24	3861102	3.45E-04	3.36E-04	3.32E-04	1.19E-07	3.60E-07	2.09E-07	2.04E-07	1.85E-07	8.42E-08	8.31E-08	3.99E-09	9.63E-08	2.12E-08	2.76E-08	4.38E-08	7.73E-09	5.48E-09	2.06E-07	1.09E-07	4.62E-08	5.43E-08	2.13E-08	1.09E-07	4.62E-08

586	488904.24	3861102	3.47E-04	3.38E-04	3.34E-04	1.20E-07	3.63E-07	2.10E-07	2.05E-07	1.86E-07	8.47E-08	8.36E-08	4.01E-09	9.68E-08	2.14E-08	2.78E-08	4.41E-08	7.77E-09	5.51E-09	2.07E-07	1.09E-07	4.64E-08	5.46E-08	2.15E-08	1.09E-07	4.64E-08
587	488954.24	3861102	3.50E-04	3.42E-04	3.37E-04	1.21E-07	3.66E-07	2.12E-07	2.07E-07	1.87E-07	8.55E-08	8.44E-08	4.05E-09	9.78E-08	2.16E-08	2.81E-08	4.45E-08	7.85E-09	5.57E-09	2.09E-07	1.11E-07	4.69E-08	5.52E-08	2.17E-08	1.11E-07	4.69E-08
588	489004.24	3861102	3.53E-04	3.45E-04	3.40E-04	1.22E-07	3.69E-07	2.14E-07	2.08E-07	1.89E-07	8.62E-08	8.51E-08	4.08E-09	9.86E-08	2.18E-08	2.83E-08	4.49E-08	7.91E-09	5.61E-09	2.11E-07	1.11E-07	4.73E-08	5.56E-08	2.19E-08	1.11E-07	4.73E-08
589	488804.24	3861152	3.34E-04	3.25E-04	3.21E-04	1.15E-07	3.49E-07	2.02E-07	1.97E-07	1.79E-07	8.15E-08	8.04E-08	3.86E-09	9.31E-08	2.06E-08	2.67E-08	4.24E-08	7.48E-09	5.30E-09	1.99E-07	1.05E-07	4.47E-08	5.25E-08	2.06E-08	1.05E-07	4.47E-08
590	488854.24	3861152	3.36E-04	3.28E-04	3.24E-04	1.16E-07	3.52E-07	2.04E-07	1.99E-07	1.80E-07	8.22E-08	8.11E-08	3.89E-09	9.39E-08	2.07E-08	2.70E-08	4.28E-08	7.54E-09	5.35E-09	2.01E-07	1.06E-07	4.51E-08	5.30E-08	2.08E-08	1.06E-07	4.51E-08
591	489129.49	3861188	3.48E-04	3.40E-04	3.36E-04	1.21E-07	3.64E-07	2.11E-07	2.06E-07	1.87E-07	8.51E-08	8.40E-08	4.03E-09	9.73E-08	2.15E-08	2.79E-08	4.43E-08	7.81E-09	5.54E-09	2.08E-07	1.10E-07	4.67E-08	5.49E-08	2.16E-08	1.10E-07	4.67E-08
592	489179.49	3861188	3.52E-04	3.43E-04	3.39E-04	1.22E-07	3.68E-07	2.13E-07	2.08E-07	1.88E-07	8.59E-08	8.48E-08	4.07E-09	9.82E-08	2.17E-08	2.82E-08	4.47E-08	7.89E-09	5.59E-09	2.10E-07	1.11E-07	4.71E-08	5.54E-08	2.18E-08	1.11E-07	4.71E-08
593	488804.24	3861202	3.27E-04	3.19E-04	3.15E-04	1.13E-07	3.42E-07	1.98E-07	1.93E-07	1.75E-07	7.99E-08	7.89E-08	3.78E-09	9.14E-08	2.02E-08	2.62E-08	4.16E-08	7.34E-09	5.20E-09	1.96E-07	1.03E-07	4.38E-08	5.16E-08	2.03E-08	1.03E-07	4.38E-08
594	488854.24	3861202	3.30E-04	3.22E-04	3.18E-04	1.14E-07	3.45E-07	2.00E-07	1.95E-07	1.77E-07	8.06E-08	7.95E-08	3.81E-09	9.21E-08	2.03E-08	2.64E-08	4.19E-08	7.39E-09	5.24E-09	1.97E-07	1.04E-07	4.42E-08	5.20E-08	2.04E-08	1.04E-07	4.42E-08
595	489129.49	3861238	3.42E-04	3.34E-04	3.29E-04	1.18E-07	3.57E-07	2.07E-07	2.02E-07	1.83E-07	8.35E-08	8.24E-08	3.95E-09	9.55E-08	2.11E-08	2.74E-08	4.35E-08	7.66E-09	5.43E-09	2.04E-07	1.08E-07	4.58E-08	5.39E-08	2.12E-08	1.08E-07	4.58E-08
596	489179.49	3861238	3.45E-04	3.36E-04	3.32E-04	1.19E-07	3.60E-07	2.09E-07	2.04E-07	1.85E-07	8.42E-08	8.31E-08	3.99E-09	9.63E-08	2.12E-08	2.76E-08	4.38E-08	7.73E-09	5.48E-09	2.06E-07	1.09E-07	4.62E-08	5.43E-08	2.13E-08	1.09E-07	4.62E-08
597	488804.24	3861252	3.22E-04	3.14E-04	3.10E-04	1.11E-07	3.36E-07	1.95E-07	1.90E-07	1.72E-07	7.85E-08	7.75E-08	3.72E-09	8.98E-08	1.98E-08	2.58E-08	4.09E-08	7.21E-09	5.11E-09	1.92E-07	1.01E-07	4.31E-08	5.07E-08	1.99E-08	1.01E-07	4.31E-08
598	488854.24	3861252	3.24E-04	3.16E-04	3.12E-04	1.12E-07	3.38E-07	1.96E-07	1.91E-07	1.73E-07	7.90E-08	7.80E-08	3.74E-09	9.04E-08	1.99E-08	2.59E-08	4.12E-08	7.25E-09	5.14E-09	1.94E-07	1.02E-07	4.33E-08	5.10E-08	2.00E-08	1.02E-07	4.33E-08
599	488804.24	3861302	3.15E-04	3.07E-04	3.03E-04	1.09E-07	3.29E-07	1.91E-07	1.86E-07	1.69E-07	7.69E-08	7.59E-08	3.64E-09	8.79E-08	1.94E-08	2.52E-08	4.00E-08	7.06E-09	5.01E-09	1.88E-07	9.94E-08	4.22E-08	4.96E-08	1.95E-08	9.94E-08	4.22E-08
600	488854.24	3861302	3.18E-04	3.10E-04	3.06E-04	1.10E-07	3.32E-07	1.92E-07	1.88E-07	1.70E-07	7.76E-08	7.66E-08	3.67E-09	8.87E-08	1.96E-08	2.55E-08	4.04E-08	7.12E-09	5.05E-09	1.90E-07	1.00E-07	4.26E-08	5.01E-08	1.97E-08	1.00E-07	4.26E-08
601	490943.5	3860182	2.59E-03	2.53E-03	2.50E-03	8.98E-07	2.71E-06	1.57E-06	1.53E-06	1.39E-06	6.34E-07	6.25E-07	3.00E-08	7.24E-07	1.60E-07	2.08E-07	3.30E-07	5.81E-08	4.12E-08	1.55E-06	8.19E-07	3.47E-07	4.09E-07	1.61E-07	8.19E-07	3.47E-07
602	490993.5	3860182	2.93E-03	2.86E-03	2.82E-03	1.01E-06	3.06E-06	1.77E-06	1.73E-06	1.57E-06	7.16E-07	7.06E-07	3.39E-08	8.18E-07	1.81E-07	2.35E-07	3.73E-07	6.57E-08	4.66E-08	1.75E-06	9.25E-07	3.92E-07	4.62E-07	1.81E-07	9.25E-07	3.92E-07
603	491043.5	3860182	3.39E-03	3.31E-03	3.27E-03	1.17E-06	3.55E-06	2.05E-06	2.00E-06	1.82E-06	8.29E-07	8.18E-07	3.92E-08	9.47E-07	2.09E-07	2.72E-07	4.31E-07	7.60E-08	5.39E-08	2.03E-06	1.07E-06	4.54E-07	5.34E-07	2.10E-07	1.07E-06	4.54E-07
604	491093.5	3860182	4.06E-03	3.96E-03	3.90E-03	1.40E-06	4.24E-06	2.45E-06	2.39E-06	2.17E-06	9.90E-07	9.77E-07	4.69E-08	1.13E-06	2.50E-07	3.25E-07	5.16E-07	9.09E-08	6.45E-08	2.43E-06	1.28E-06	5.43E-07	6.39E-07	2.51E-07	1.28E-06	5.43E-07
605	490943.5	3860232	2.19E-03	2.13E-03	2.11E-03	7.57E-07	2.29E-06	1.32E-06	1.29E-06	1.17E-06	5.34E-07	5.27E-07	2.53E-08	6.11E-07	1.35E-07	1.75E-07	2.78E-07	4.90E-08	3.48E-08	1.31E-06	6.90E-07	2.93E-07	3.44E-07	1.35E-07	6.90E-07	2.93E-07
606	490993.5	3860232	2.43E-03	2.38E-03	2.34E-03	8.43E-07	2.54E-06	1.47E-06	1.44E-06	1.30E-06	5.94E-07	5.87E-07	2.81E-08	6.80E-07	1.50E-07	1.95E-07	3.10E-07	5.46E-08	3.87E-08	1.46E-06	7.68E-07	3.26E-07	3.83E-07	1.51E-07	7.68E-07	3.26E-07
607	491043.5	3860232	2.74E-03	2.67E-03	2.63E-03	9.47E-07	2.86E-06	1.66E-06	1.62E-06	1.46E-06	6.68E-07	6.59E-07	3.16E-08	7.64E-07	1.69E-07	2.19E-07	3.48E-07	6.13E-08	4.35E-08	1.64E-06	8.64E-07	3.66E-07	4.31E-07	1.69E-07	8.64E-07	3.66E-07
608	491093.5	3860232	3.15E-03	3.07E-03	3.03E-03	1.09E-06	3.29E-06	1.90E-06	1.86E-06	1.68E-06	7.68E-07	7.58E-07	3.64E-08	8.78E-07	1.94E-07	2.52E-07	4.00E-07	7.05E-08	5.00E-08	1.88E-06	9.93E-07	4.21E-07	4.96E-07	1.95E-07	9.93E-07	4.21E-07
609	490943.5	3860282	1.90E-03	1.85E-03	1.83E-03	6.56E-07	1.98E-06	1.15E-06	1.12E-06	1.01E-06	4.63E-07	4.57E-07	2.19E-08	5.29E-07	1.17E-07	1.52E-07	2.41E-07	4.25E-08	3.01E-08	1.13E-06	5.98E-07	2.54E-07	2.99E-07	1.17E-07	5.98E-07	2.54E-07
610	490993.5	3860282	2.08E-03	2.03E-03	2.00E-03	7.19E-07	2.17E-06	1.26E-06	1.23E-06	1.11E-06	5.07E-07	5.01E-07	2.40E-08	5.80E-07	1.28E-07	1.67E-07	2.64E-07	4.66E-08	3.30E-08	1.24E-06	6.56E-07	2.78E-07	3.27E-07	1.29E-07	6.56E-07	2.78E-07
611	491043.5	3860282	2.30E-03	2.24E-03	2.21E-03	7.95E-07	2.40E-06	1.39E-06	1.36E-06	1.23E-06	5.61E-07	5.53E-07	2.65E-08	6.41E-07	1.41E-07	1.84E-07	2.92E-07	5.14E-08	3.65E-08	1.37E-06	7.25E-07	3.07E-07	3.62E-07	1.42E-07	7.25E-07	3.07E-07
612	491093.5	3860282	2.58E-03	2.51E-03	2.48E-03	8.92E-07	2.69E-06	1.56E-06	1.52E-06	1.38E-06	6.29E-07	6.21E-07	2.98E-08	7.19E-07	1.59E-07	2.07E-07	3.28E-07	5.77E-08	4.10E-08	1.54E-06	8.13E-07	3.45E-07	4.06E-07	1.59E-07	8.13E-07	3.45E-07
613	490943.5	3860332	1.68E-03	1.64E-03	1.61E-03	5.80E-07	1.75E-06	1.01E-06	9.90E-07	8.97E-07	4.09E-07	4.04E-07	1.94E-08	4.68E-07	1.03E-07	1.34E-07	2.13E-07	3.76E-08	2.66E-08	1.00E-06	5.29E-07	2.25E-07	2.64E-07	1.04E-07	5.29E-07	2.25E-07
614	490993.5	3860332	1.81E-03	1.77E-03	1.74E-03	6.26E-07	1.89E-06	1.09E-06	1.07E-06	9.69E-07	4.42E-07	4.36E-07	2.09E-08	5.05E-07	1.12E-07	1.45E-07	2.30E-07	4.06E-08	2.88E-08	1.08E-06	5.71E-07	2.42E-07	2.85E-07	1.12E-07	5.71E-07	2.42E-07
615	491043.5	3860332	1.97E-03	1.93E-03	1.90E-03	6.83E-07	2.06E-06	1.19E-06	1.16E-06	1.06E-06	4.82E-07	4.75E-07	2.28E-08	5.51E-07	1.22E-07	1.58E-07	2.51E-07	4.42E-08	3.14E-08	1.18E-06	6.23E-07	2.64E-07	3.11E-07	1.22E-07	6.23E-07	2.64E-07
616	491093.5	3860332	2.18E-03	2.12E-03	2.10E-03	7.54E-07	2.28E-06	1.32E-06	1.29E-06	1.17E-06	5.32E-07	5.25E-07	2.52E-08	6.08E-07	1.34E-07	1.75E-07	2.77E-07	4.88E-08	3.46E-08	1.30E-06	6.87E-07	2.92E-07	3.43E-07	1.35E-07	6.87E-07	2.92E-07
617	490086.72	3859935	1.66E-03	1.62E-03	1.60E-03	5.74E-07	1.73E-06	1.00E-06	9.79E-07	8.87E-07	4.05E-07	3.99E-07	1.92E-08	4.63E-07	1.02E-07	1.33E-07	2.11E-07	3.71E-08	2.63E-08	9.91E-07	5.23E-07	2.22E-07	2.61E-07	1.03E-07	5.23E-07	2.22E-07
618	490136.72	3859935	1.76E-03	1.72E-03	1.70E-03	6.10E-07	1.84E-06	1.07E-06	1.04E-06	9.44E-07	4.31E-07	4.25E-07	2.04E-08	4.92E-07	1.09E-07	1.41E-07	2.24E-07	3.95E-08	2.80E-08	1.05E-06	5.57E-07	2.36E-07	2.78E-07	1.09E-07	5.57E-07	2.36E-07
619	490186.72	3859935	1.88E-03	1.84E-03	1.81E-03	6.52E-07	1.97E-06	1.14E-06	1.11E-06	1.01E-06	4.60E-07	4.54E-07	2.18E-08	5.26E-07	1.16E-07	1.51E-07	2.40E-07	4.22E-08	2.99E-08	1.13E-06	5.94E-07	2.52E-07	2.97E-07	1.17E-07	5.94E-07	2.52E-07
620	490236.72	3859935	2.02E-03	1.97E-03	1.95E-03	7.00E-07	2.11E-06	1.22E-06	1.19E-06	1.08E-06	4.94E-07	4.87E-07	2.34E-08	5.64E-07	1.25E-07	1.62E-07	2.57E-07	4.53E-08	3.21E-08	1.21E-06	6.38E-07	2.71E-07	3.18E-07	1.25E-07	6.38E-07	2.71E-07
621	490286.72	3859935	2.18E-03	2.12E-03	2.10E-03	7.54E-07	2.28E-06	1.32E-06	1.29E-06	1.17E-06	5.32E-07	5.25E-07	2.52E-08	6.08E-07	1.34E-07	1.75E-07	2.77E-07	4.88E-08	3.46E-08	1.30E-06	6.87E-07	2.92E-07	3.43E-07	1.35E-07	6.87E-07	2.92E-07
622	490336.72	3859935	2.36E-03	2.30E-03	2.27E-03	8.16E-07	2.47E-06	1.43E-06	1.39E-06	1.26E-06	5.76E-07	5.68E-07	2.73E-08	6.59E-07	1.45E-07	1.89E-07	3.00E-07	5.29E-08	3.75E-08	1.41E-06	7.44E-07	3.16E-07	3.72E-07	1.46E-07	7.44E-07	3.16E-07
623	490386.72	3859935	2.58E-03	2.52E-03	2.48E-03	8.93E-07	2.70E-06	1.56E-06	1.52E-06	1.38E-06	6.30E-07	6.21E-07	2.98E-08	7.20E-07	1.59E-07	2.07E-07	3.28E-07	5.78E-08	4.10E-08	1.54E-06	8.14E-07	3.45E-07	4.06E-07	1.60E-07	8.14E-07	3.45E-07
624	490436.72	3859935	2.84E-03	2.77E-03	2.74E-03	9.84E-07	2.97E-06	1.72E-06	1.68E-06	1.52E-06	6.94E-07	6.85E-07	3.28E-08	7.93E-07	1.75E-07	2.28E-07	3.61E-07	6.37E-08	4.52E-08	1.70E-06	8.97E-07	3.81E-07	4.48E-07	1.76E-07	8.97E-07	3.81E-07
625	490486.72	3859935	3.17E-03	3.09E-03	3.05E-03	1.10E-06	3.31E-06	1.92E-06	1.87E-06	1.70E-06	7.74E-07	7.63E-07	3.66E-08	8.85E-07	1.95E-07	2.54E-07	4.03E-07	7.10E-08	5.04E-08	1.89E-06	1.00E-06	4.24E-07	4.99E-07	1.96E-07	1.00E-06	4.24E-07
626	490536.72	3859935	3.61E-03	3.52E-03	3.48E-03	1.25E-06	3.77E-06	2.19E-06	2.13E-06	1.93E-06	8.82E-07	8.70E-07	4.17E-08	1.01E-06	2.23E-07	2.90E-07	4.59E-07	8.09E-08	5.74E-08	2.16E-06	1.14E-06	4.84E-07	5.69E-07	2.24E-07	1.14E-06	4.84E-07
627	490586.72	3859935	4.20E-03	4.10E-03	4.05E-03	1.45E-06	4.39E-06	2.54E-06	2.48E-06	2.25E-06	1.03E-06	1.01E-06	4.86E-08	1.17E-06	2.59E-07	3.37E-07	5.35E-07	9.42E-08	6.68E-08	2.51E-06	1.33E-06	5.63E-07	6.62E-07	2.60E-07	1.33E-06	5.63E-07
628	490636.72	3859935	4.97E-03	4.85E-03	4.78E-03	1.72E-06	5.19E-06	3.00E-06	2.93E-06	2.66E-06	1.21E-06	1.20E-06	5.74E-08	1.39E-06	3.06E-07	3.98E-07	6.31E-07	1.11E-07	7.89E-08	2.97E-06	1.57E-06	6.65E-07	7.82E-07	3.07E-07	1.57E-06	6.65E-07
629	490686.72	3859935	6.14E-03	5.99E-03	5.91E-03	2.12E-06	6.41E-06	3.71E-06	3.62E-06	3.28E-06	1.50E-06	1.48E-06	7.09E-08	1.71E-06	3.78E-07	4.92E-07	7.80E-07	1.38E-07	9.75E-08	3.67E-06	1.94E-06	8.22E-07	9.67E-07	3.80E-07	1.94E-06	8.22E-07
630	490736.72	3859935	7.81E-03	7.62E-03	7.52E-03	2.70E-06	8.16E-06	4.72E-06	4.61E-06	4.18E-06	1.91E-06	1.88E-06	9.03E-08	2.18E-06	4.81E-07	6.26E-07	9.93E-07	1.75E-07	1.24E-07	4.67E-06	2.46E-06	1.05E-06	1.23E-06	4.83E-07	2.46E-06	1.05E-06
631	490086.72	3859985	1.45E-03	1.42E-03	1.40E-03	5.04E-07	1.52E-06	8.80E-07	8.59E-07	7.79E-07	3.55E-07	3.51E-07	1.68E-08	4.06E-07	8.96E-08	1.17E-07	1.85E-07	3.26E-08	2.31E-08	8.70E-07	4.59E-07	1.95E-07	2.29E-07	9.00E-08	4.59E-07	1.95E-07
632	490136.72	3859985	1.53E-03	1.50E-03	1.48E-03	5.31E-07	1.60E-06	9.27E-07	9.05E-07	8.20E-07	3.74E-07	3.69E-07	1.77E-08	4.28E-07	9.44E-08	1.23E-07	1.95E-07	3.43E-08	2.44E-08	9.17E-07	4.84E-07	2.05E-07	2.41E-07	9.48E-08	4.84E-07	2.05E-07
633	490186.72	3859985	1.62E-03	1.58E-03	1.56E-03	5.61E-07	1.70E-06	9.81E-07	9.58E-07	8.68E-07	3.96E-07	3.91E-07	1.87E-08	4.53E-07	9.99E-08	1.30E-07	2.06E-07	3.63E-08	2.58E-08	9.70E-07	5.12E-07	2.17E-07	2.55E-07	1.00E-07	5.12E-07	2.17E-07
634	490236.72	3859985	1.72E-03	1.68E-03	1.66E-03	5.97E-07	1.80E-06	1.04E-06	1.02E-06	9.22E-07	4.21E-07	4.15E-07	1.99E-08	4.81E-07	1.06E-07	1.38E-07	2.19E-07	3.86E-08	2.74E-08	1.03E-06	5.44E-07	2.31E-07	2.71E-07	1.07E-07	5.44E-07	2.31E-07
635	490286.72	3859985	1.83E-03	1.79E-03	1.76E-03	6.34E-07	1.92E-06	1.11E-06	1.08E-06	9.81E-07	4.48E-07	4.42E-07	2.12E-08	5.12E-07	1.13E-07	1.47E-07	2.33E-07	4.11E-08	2.91E-08	1.10E-06	5.79E-07	2.45E-07	2.89E-07	1.13E-07	5.79E-07	2.45E-07
636	490336.72	3859985	1.96E-03	1.91E-03	1.88E-03	6.78E-07	2.05E-06	1.18E-06	1.16E-06	1.05E-06	4.78E-07	4.72E-07	2.26E-08	5.47E-07	1.21E-07	1.57E-07	2.49E-07	4.39E-08	3.11E-08	1.17E-06	6.18E-07	2.62E-07	3.08E-07	1.21E-07	6.18E-07	2.62E-07
637	490386.72	3859985	2.10E-03	2.04E-03	2.02E-03	7.25E-07	2.19E-06	1.27E-06	1.24E-06	1.12E-06	5.12E-07	5.05E-07	2.42E-08	5.85E-07	1.29E-07	1.68E-07	2.66E-07	4.70E-08	3.33E-08	1.25E-06	6.61E-07	2.81E-07	3.30E-07	1.30E-07	6.61E-07	2.81E-07
638	490436.72	3859985	2.26E-03	2.21E-03	2.18E-03	7.83E-07	2.36E-06	1.37E-06	1.33E-06	1.21E-06	5.52E-07	5.45E-07	2.61E-08	6.31E-07	1.39E-07	1.81E-07	2.87E-07	5.07E-08	3.59E-08	1.35E-06	7.14E-07	3.03E-07	3.56E-07	1.40E-07	7.14E-07	3.03E-07
639	490486.72	3859985	2.46E-03	2.40E-03	2.37E-03	8.52E-07	2.57E-06	1.49E-06	1.45E-06	1.32E-06	6.01E-07	5.93E-07	2.84E-08	6.87E-07	1.52E-07	1.97E-07	3.13E-07	5.51E-08	3.91E-08	1.47E-06	7.76E-07	3.29E-07	3.88E-07	1.52E-07	7.76E-07	3.29E-07
640	490536.72	3859985	2.71E-03	2.64E-03	2.61E-03	9.38E-07	2.83E-06	1.64E-06	1.60E-06	1.45E-06	6.62E-07	6.53E-07	3.13E-08	7.57E-07	1.67E-07	2.17E-07	3.45E-07	6.07E-08	4.31E-08	1.62E-06	8.55E-07	3.63E-07	4.27E-07	1.68E-07	8.55E-07	3.63E-07
641	490586.72	3859985	3.02E-03	2.95E-03	2.91E-03	1.05E-06	3.16E-06	1.83E-06	1.78E-06	1.62E-06	7.38E-07	7.28E-07	3.49E-08	8.44E-07	1.86E-07	2.42E-07	3.84E-07	6.77E-08	4.80E-08	1.81E-06	9.54E-07	4.05E-07	4.76E-07	1.87E-07	9.54E-07	4.05E-07
642	490636.72	3859985	3.42E-03	3.34E-03	3.29E-03	1.18E-06	3.57E-06	2.07E-06	2.02E-06	1.83E-06	8.35E-07	8.24E-07	3.95E-08	9.55E-07	2.11E-07	2.74E-07	4.35E-07	7.66E-08	5.44E-08	2.05E-06	1.08E-06	4.58E-07	5.39E-07	2.12E-07	1.08E-06	4.58E-07
643	490686.72	3859985	3.95E-03	3.86E-03	3.81E-03	1.37E-06	4.13E-06	2.39E-06	2.33E-06	2.12E-06	9.66E-07	9.53E-07	4.57E-08	1.10E-06	2.44E-07	3.17E-07	5.03E-07	8.86E-08	6.29E-08	2.36E-06	1.25E-06	5.30E-07	6.23E-07	2.45E-07	1.25E-06	5.30E-07
644	490736.72	3859985	4.62E-03	4.50E-03	4.44E-03	1.60E-06	4.82E-06	2.79E-06	2.73E-06	2.47E-06	1.13E-06	1.11E-06	5.34E-08	1.29E-06	2.84E-07	3.70E-07	5.87E-07	1.03E-07	7.34E-08	2.76E-06	1.46E-06	6.18E-07	7.27E-07	2.86E-07	1.46E-06	6.18E-07
645	490786.72	3859985	5.54E-03	5.40E-03	5.33E-03	1.92E-06	5.79E-06	3.35E-06	3.27E-06	2.96E-06	1.35E-06	1.33E-06	6.40E-08	1.55E-06	3.41E-07	4.44E-07	7.04E-07	1.24E-07	8.80E-08	3.31E-06	1.75E-06	7.41E-07	8.72E-07	3.43E-07	1.75E-06	7.41E-07
646	490086.72	3860035	1.30E-03	1.27E-03	1.25E-03	4.50E-07	1.36E-06	7.87E-07	7.68E-07	6.96E-07	3.18E-07	3.13E-07	1.50E-08	3.63E-07	8.01E-08	1.04E-07	1.65E-07	2.91E-08	2.07E-08	7.78E-07	4.10E-07	1.74E-07	2.05E-07	8.05E-08	4.10E-07	1.74E-07
647	490136.72	3860035	1.36E-03	1.33E-03	1.31E-03	4.71E-07	1.42E-06	8.24E-07	8.04E-07	7.29E-07	3.32E-07	3.28E-07	1.57E-08	3.80E-07	8.39E-08	1.09E-07	1.73E-07	3.05E-08	2.16E-08	8.14E-07	4.30E-07	1.82E-07	2.14E-07	8.42E-08	4.30E-07	1.82E-07
648	490186.72	3860035	1.43E-03	1.39E-03	1.38E-03	4.95E-07	1.49E-06	8.65E-07	8.44E-07	7.65E-07	3.49E-07	3.44E-07	1.65E-08	3.99E-07	8.80E-08	1.15E-07	1.82E-07	3.20E-08	2.27E-08	8.54E-07	4.51E-07	1.91E-07	2.25E-07	8.84E-08	4.51E-07	1.91E-07
649	490236.72	3860035	1.50E-03	1.47E-03	1.45E-03	5.20E-07	1.57E-06	9.10E-07	8.88E-07	8.05E-07	3.67E-07	3.62E-07	1.74E-08	4.20E-07	9.26E-08	1.21E-07	1.91E-07	3.37E-08	2.39E-08	8.99E-07	4.75E-07	2.01E-07	2.37E-07	9.31E-08	4.75E-07	2.01E-07
650	490286.72	3860035	1.58E-03	1.55E-03	1.53E-03	5.48E-07	1.66E-06	9.59E-07	9.35E-07	8.48E-07	3.87E-07	3.82E-07	1.83E-08	4.42E-07	9.76E-08	1.27E-07	2.01E-07	3.55E-08	2.52E-08	9.48E-07	5.00E-07	2.12E-07	2.50E-07	9.81E-08	5.00E-07	2.12E-07
651	490336.72	3860035	1.68E-03	1.64E-03	1.62E-03	5.81E-07	1.75E-06	1.02E-06	9.91E-07	8.98E-07	4.10E-07	4.04E-07	1.94E-08	4.69E-07	1.03E-07	1.35E-07	2.13E-07	3.76E-08	2.67E-08	1.00E-06	5.30E-07	2.25E-07	2.64E-07	1.04E-07	5.30E-07	2.25E-07
652	490386.72	3860035	1.78E-03	1.73E-03	1.71E-03	6.15E-07	1.86E-06	1.07E-06	1.05E-06	9.51E-07	4.34E-07	4.28E-07	2.05E-08	4.96E-07	1.09E-07	1.42E-07	2.26E-07	3.98E-08	2.82E-08	1.06E-06	5.61E-07	2.38E-07	2.80E-07	1.10E-07	5.61E-07	2.38E-07
653	490436.72	3860035	1.89E-03	1.84E-03	1.82E-03	6.54E-07	1.98E-06	1.14E-06	1.12E-06	1.01E-06	4.62E-07	4.56E-07	2.19E-08	5.28E-07	1.16E-07	1.52E-07	2.40E-07	4.24E-08	3.01E-08	1.13E-06	5.97E-07	2.53E-07	2.98E-07	1.17E-07	5.97E-07	2.53E-07
654	490486.72	3860035	2.02E-03	1.98E-03	1.95E-03	7.01E-07	2.12E-06	1.22E-06	1.20E-06	1.08E-06	4.94E-07	4.88E-07	2.34E-08	5.65E-07	1.25E-07	1.62E-07	2.57E-07	4.54E-08	3.22E-08	1.21E-06	6.39E-07	2.71E-07	3.19E-07	1.25E-07	6.39E-07	2.71E-07
655	490536.72	3860035	2.19E-03	2.13E-03	2.10E-03	7.57E-07	2.28E-06	1.32E-06	1.29E-06	1.17E-06	5.34E-07	5.27E-07	2.53E-08	6.10E-07	1.35E-07	1.75E-07	2.78E-07	4.90E-08	3.47E-08	1.31E-06	6.90E-07	2.93E-07	3.44E-07	1.35E-07	6.90E-07	2.93E-07
656	490586.72	3860035	2.38E-03	2.32E-03	2.29E-03	8.22E-07	2.48E-06	1.44E-06	1.40E-06	1.27E-06	5.80E-07	5.73E-07	2.75E-08	6.63E-07	1.46E-07	1.90E-07	3.02E-07	5.33E-08	3.78E-08	1.42E-06	7.50E-07	3.18E-07	3.74E-07	1.47E-07	7.50E-07	3.18E-07
657	490636.72	3860035	2.60E-03	2.53E-03	2.50E-03	8.98E-07	2.71E-06	1.57E-06	1.53E-06	1.39E-06	6.34E-07	6.25E-07	3.00E-08	7.25E-07	1.60E-07	2.08E-07	3.30E-07	5.82E-08	4.13E-08	1.55E-06	8.19E-07	3.48E-07	4.09E-07	1.61E-07	8.19E-07	3.48E-07
658	490686.72	3860035	2.88E-03	2.81E-03	2.78E-03	9.98E-07	3.01E-06	1.75E-06	1.70E-06	1.54E-06	7.04E-07	6.95E-07	3.33E-08	8.05E-07	1.78E-07	2.31E-07	3.67E-07	6.46E-08	4.58E-08	1.72E-06	9.10E-07	3.86E-07	4.54E-07	1.79E-07	9.10E-07	3.86E-07
659	490736.72	3860035	3.27E-03	3.19E-03	3.15E-03	1.13E-06	3.42E-06	1.98E-06	1.93E-06	1.75E-06	7.98E-07	7.88E-07	3.78E-08	9.13E-07	2.01E-07	2.62E-07	4.16E-07	7.33E-08	5.20E-08	1.96E-06	1.03E-06	4.38E-07	5.15E-07	2.02E-07	1.03E-06	4.38E-07

660	490786.72	3860035	3.72E-03	3.63E-03	3.58E-03	1.29E-06	3.89E-06	2.25E-06	2.20E-06	1.99E-06	9.08E-07	8.96E-07	4.30E-08	1.04E-06	2.29E-07	2.98E-07	4.73E-07	8.33E-08	5.91E-08	2.22E-06	1.17E-06	4.98E-07	5.86E-07	2.30E-07	1.17E-06	4.98E-07
661	490836.72	3860035	4.31E-03	4.21E-03	4.15E-03	1.49E-06	4.51E-06	2.61E-06	2.55E-06	2.31E-06	1.05E-06	1.04E-06	4.99E-08	1.20E-06	2.66E-07	3.46E-07	5.48E-07	9.67E-08	6.86E-08	2.58E-06	1.36E-06	5.78E-07	6.79E-07	2.67E-07	1.36E-06	5.78E-07
662	490086.72	3860085	1.18E-03	1.15E-03	1.14E-03	4.09E-07	1.23E-06	7.15E-07	6.98E-07	6.32E-07	2.89E-07	2.85E-07	1.37E-08	3.30E-07	7.28E-08	9.47E-08	1.50E-07	2.65E-08	1.88E-08	7.07E-07	3.73E-07	1.58E-07	1.86E-07	7.31E-08	3.73E-07	1.58E-07
663	490136.72	3860085	1.23E-03	1.20E-03	1.18E-03	4.25E-07	1.28E-06	7.42E-07	7.24E-07	6.57E-07	3.00E-07	2.96E-07	1.42E-08	3.43E-07	7.56E-08	9.83E-08	1.56E-07	2.75E-08	1.95E-08	7.34E-07	3.87E-07	1.64E-07	1.93E-07	7.59E-08	3.87E-07	1.64E-07
664	490186.72	3860085	1.28E-03	1.25E-03	1.24E-03	4.44E-07	1.34E-06	7.76E-07	7.58E-07	6.87E-07	3.13E-07	3.09E-07	1.48E-08	3.58E-07	7.91E-08	1.03E-07	1.63E-07	2.88E-08	2.04E-08	7.67E-07	4.05E-07	1.72E-07	2.02E-07	7.94E-08	4.05E-07	1.72E-07
665	490236.72	3860085	1.34E-03	1.31E-03	1.29E-03	4.64E-07	1.40E-06	8.12E-07	7.92E-07	7.18E-07	3.28E-07	3.23E-07	1.55E-08	3.75E-07	8.26E-08	1.08E-07	1.71E-07	3.01E-08	2.13E-08	8.02E-07	4.23E-07	1.80E-07	2.11E-07	8.30E-08	4.23E-07	1.80E-07
666	490286.72	3860085	1.40E-03	1.37E-03	1.35E-03	4.86E-07	1.47E-06	8.50E-07	8.29E-07	7.52E-07	3.43E-07	3.38E-07	1.62E-08	3.92E-07	8.65E-08	1.13E-07	1.79E-07	3.15E-08	2.23E-08	8.40E-07	4.43E-07	1.88E-07	2.21E-07	8.69E-08	4.43E-07	1.88E-07
667	490336.72	3860085	1.47E-03	1.44E-03	1.42E-03	5.10E-07	1.54E-06	8.91E-07	8.69E-07	7.88E-07	3.60E-07	3.55E-07	1.70E-08	4.11E-07	9.07E-08	1.18E-07	1.87E-07	3.30E-08	2.34E-08	8.81E-07	4.65E-07	1.97E-07	2.32E-07	9.11E-08	4.65E-07	1.97E-07
668	490386.72	3860085	1.55E-03	1.51E-03	1.49E-03	5.36E-07	1.62E-06	9.37E-07	9.14E-07	8.29E-07	3.78E-07	3.73E-07	1.79E-08	4.32E-07	9.54E-08	1.24E-07	1.97E-07	3.47E-08	2.46E-08	9.26E-07	4.89E-07	2.07E-07	2.44E-07	9.58E-08	4.89E-07	2.07E-07
669	490436.72	3860085	1.63E-03	1.59E-03	1.57E-03	5.65E-07	1.71E-06	9.88E-07	9.64E-07	8.74E-07	3.99E-07	3.94E-07	1.89E-08	4.56E-07	1.01E-07	1.31E-07	2.08E-07	3.66E-08	2.60E-08	9.77E-07	5.15E-07	2.19E-07	2.57E-07	1.01E-07	5.15E-07	2.19E-07
670	490486.72	3860085	1.73E-03	1.69E-03	1.66E-03	5.98E-07	1.81E-06	1.05E-06	1.02E-06	9.25E-07	4.22E-07	4.16E-07	2.00E-08	4.82E-07	1.06E-07	1.38E-07	2.20E-07	3.87E-08	2.75E-08	1.03E-06	5.45E-07	2.31E-07	2.72E-07	1.07E-07	5.45E-07	2.31E-07
671	490536.72	3860085	1.84E-03	1.80E-03	1.77E-03	6.38E-07	1.92E-06	1.11E-06	1.09E-06	9.86E-07	4.50E-07	4.44E-07	2.13E-08	5.14E-07	1.13E-07	1.48E-07	2.34E-07	4.13E-08	2.93E-08	1.10E-06	5.81E-07	2.47E-07	2.90E-07	1.14E-07	5.81E-07	2.47E-07
672	490586.72	3860085	1.97E-03	1.93E-03	1.90E-03	6.83E-07	2.06E-06	1.19E-06	1.17E-06	1.06E-06	4.82E-07	4.76E-07	2.28E-08	5.51E-07	1.22E-07	1.58E-07	2.51E-07	4.42E-08	3.14E-08	1.18E-06	6.23E-07	2.64E-07	3.11E-07	1.22E-07	6.23E-07	2.64E-07
673	490636.72	3860085	2.12E-03	2.07E-03	2.04E-03	7.35E-07	2.22E-06	1.29E-06	1.25E-06	1.14E-06	5.19E-07	5.12E-07	2.45E-08	5.93E-07	1.31E-07	1.70E-07	2.70E-07	4.76E-08	3.38E-08	1.27E-06	6.70E-07	2.84E-07	3.35E-07	1.31E-07	6.70E-07	2.84E-07
674	490686.72	3860085	2.31E-03	2.25E-03	2.22E-03	7.99E-07	2.41E-06	1.40E-06	1.36E-06	1.24E-06	5.64E-07	5.56E-07	2.67E-08	6.45E-07	1.42E-07	1.85E-07	2.94E-07	5.18E-08	3.67E-08	1.38E-06	7.29E-07	3.09E-07	3.64E-07	1.43E-07	7.29E-07	3.09E-07
675	490736.72	3860085	2.54E-03	2.48E-03	2.44E-03	8.78E-07	2.65E-06	1.54E-06	1.50E-06	1.36E-06	6.20E-07	6.12E-07	2.93E-08	7.09E-07	1.56E-07	2.03E-07	3.23E-07	5.69E-08	4.03E-08	1.52E-06	8.01E-07	3.40E-07	4.00E-07	1.57E-07	8.01E-07	3.40E-07
676	490786.72	3860085	2.82E-03	2.75E-03	2.71E-03	9.76E-07	2.95E-06	1.71E-06	1.66E-06	1.51E-06	6.88E-07	6.79E-07	3.26E-08	7.87E-07	1.74E-07	2.26E-07	3.59E-07	6.32E-08	4.48E-08	1.69E-06	8.90E-07	3.78E-07	4.44E-07	1.74E-07	8.90E-07	3.78E-07
677	490836.72	3860085	3.16E-03	3.08E-03	3.04E-03	1.09E-06	3.30E-06	1.91E-06	1.86E-06	1.69E-06	7.71E-07	7.61E-07	3.65E-08	8.81E-07	1.95E-07	2.53E-07	4.01E-07	7.08E-08	5.02E-08	1.89E-06	9.96E-07	4.23E-07	4.97E-07	1.95E-07	9.96E-07	4.23E-07
678	490086.72	3860135	1.08E-03	1.05E-03	1.04E-03	3.72E-07	1.12E-06	6.51E-07	6.35E-07	5.76E-07	2.63E-07	2.59E-07	1.24E-08	3.00E-07	6.63E-08	8.62E-08	1.37E-07	2.41E-08	1.71E-08	6.43E-07	3.39E-07	1.44E-07	1.69E-07	6.66E-08	3.39E-07	1.44E-07
679	490136.72	3860135	1.12E-03	1.09E-03	1.08E-03	3.87E-07	1.17E-06	6.76E-07	6.60E-07	5.98E-07	2.73E-07	2.69E-07	1.29E-08	3.12E-07	6.88E-08	8.96E-08	1.42E-07	2.50E-08	1.78E-08	6.68E-07	3.53E-07	1.50E-07	1.76E-07	6.91E-08	3.53E-07	1.50E-07
680	490186.72	3860135	1.16E-03	1.14E-03	1.12E-03	4.03E-07	1.22E-06	7.04E-07	6.87E-07	6.23E-07	2.84E-07	2.80E-07	1.35E-08	3.25E-07	7.17E-08	9.33E-08	1.48E-07	2.61E-08	1.85E-08	6.96E-07	3.67E-07	1.56E-07	1.83E-07	7.20E-08	3.67E-07	1.56E-07
681	490236.72	3860135	1.21E-03	1.18E-03	1.17E-03	4.19E-07	1.27E-06	7.33E-07	7.15E-07	6.48E-07	2.96E-07	2.92E-07	1.40E-08	3.38E-07	7.46E-08	9.71E-08	1.54E-07	2.71E-08	1.92E-08	7.24E-07	3.82E-07	1.62E-07	1.91E-07	7.49E-08	3.82E-07	1.62E-07
682	490286.72	3860135	1.26E-03	1.23E-03	1.22E-03	4.37E-07	1.32E-06	7.64E-07	7.46E-07	6.76E-07	3.09E-07	3.04E-07	1.46E-08	3.53E-07	7.78E-08	1.01E-07	1.61E-07	2.83E-08	2.01E-08	7.55E-07	3.99E-07	1.69E-07	1.99E-07	7.82E-08	3.99E-07	1.69E-07
683	490336.72	3860135	1.32E-03	1.29E-03	1.27E-03	4.56E-07	1.38E-06	7.98E-07	7.78E-07	7.06E-07	3.22E-07	3.18E-07	1.52E-08	3.68E-07	8.12E-08	1.06E-07	1.68E-07	2.96E-08	2.10E-08	7.88E-07	4.16E-07	1.77E-07	2.08E-07	8.16E-08	4.16E-07	1.77E-07
684	490386.72	3860135	1.38E-03	1.35E-03	1.33E-03	4.77E-07	1.44E-06	8.34E-07	8.14E-07	7.38E-07	3.37E-07	3.32E-07	1.59E-08	3.85E-07	8.49E-08	1.11E-07	1.75E-07	3.09E-08	2.19E-08	8.24E-07	4.35E-07	1.85E-07	2.17E-07	8.53E-08	4.35E-07	1.85E-07
685	490436.72	3860135	1.44E-03	1.41E-03	1.39E-03	5.00E-07	1.51E-06	8.73E-07	8.52E-07	7.73E-07	3.52E-07	3.48E-07	1.67E-08	4.03E-07	8.89E-08	1.16E-07	1.84E-07	3.23E-08	2.29E-08	8.63E-07	4.56E-07	1.93E-07	2.27E-07	8.93E-08	4.56E-07	1.93E-07
686	490486.72	3860135	1.52E-03	1.48E-03	1.46E-03	5.25E-07	1.59E-06	9.18E-07	8.96E-07	8.12E-07	3.71E-07	3.66E-07	1.75E-08	4.24E-07	9.35E-08	1.22E-07	1.93E-07	3.40E-08	2.41E-08	9.07E-07	4.79E-07	2.03E-07	2.39E-07	9.39E-08	4.79E-07	2.03E-07
687	490536.72	3860135	1.60E-03	1.56E-03	1.54E-03	5.55E-07	1.68E-06	9.70E-07	9.47E-07	8.58E-07	3.92E-07	3.86E-07	1.85E-08	4.48E-07	9.88E-08	1.29E-07	2.04E-07	3.59E-08	2.55E-08	9.59E-07	5.06E-07	2.15E-07	2.53E-07	9.92E-08	5.06E-07	2.15E-07
688	490586.72	3860135	1.70E-03	1.66E-03	1.64E-03	5.88E-07	1.78E-06	1.03E-06	1.00E-06	9.10E-07	4.15E-07	4.10E-07	1.96E-08	4.75E-07	1.05E-07	1.36E-07	2.16E-07	3.81E-08	2.70E-08	1.02E-06	5.36E-07	2.28E-07	2.68E-07	1.05E-07	5.36E-07	2.28E-07
689	490636.72	3860135	1.81E-03	1.77E-03	1.74E-03	6.27E-07	1.89E-06	1.10E-06	1.07E-06	9.69E-07	4.42E-07	4.36E-07	2.09E-08	5.06E-07	1.12E-07	1.45E-07	2.30E-07	4.06E-08	2.88E-08	1.08E-06	5.71E-07	2.42E-07	2.85E-07	1.12E-07	5.71E-07	2.42E-07
690	490686.72	3860135	1.94E-03	1.89E-03	1.87E-03	6.71E-07	2.03E-06	1.17E-06	1.14E-06	1.04E-06	4.73E-07	4.67E-07	2.24E-08	5.41E-07	1.19E-07	1.55E-07	2.47E-07	4.35E-08	3.08E-08	1.16E-06	6.12E-07	2.60E-07	3.05E-07	1.20E-07	6.12E-07	2.60E-07
691	490736.72	3860135	2.09E-03	2.04E-03	2.02E-03	7.25E-07	2.19E-06	1.27E-06	1.24E-06	1.12E-06	5.11E-07	5.04E-07	2.42E-08	5.84E-07	1.29E-07	1.68E-07	2.66E-07	4.69E-08	3.33E-08	1.25E-06	6.61E-07	2.80E-07	3.30E-07	1.30E-07	6.61E-07	2.80E-07
692	490786.72	3860135	2.28E-03	2.23E-03	2.20E-03	7.91E-07	2.39E-06	1.38E-06	1.35E-06	1.22E-06	5.58E-07	5.51E-07	2.64E-08	6.38E-07	1.41E-07	1.83E-07	2.91E-07	5.12E-08	3.63E-08	1.37E-06	7.21E-07	3.06E-07	3.60E-07	1.41E-07	7.21E-07	3.06E-07
693	490836.72	3860135	2.51E-03	2.45E-03	2.41E-03	8.68E-07	2.62E-06	1.52E-06	1.48E-06	1.34E-06	6.12E-07	6.04E-07	2.90E-08	7.00E-07	1.54E-07	2.01E-07	3.19E-07	5.62E-08	3.99E-08	1.50E-06	7.91E-07	3.36E-07	3.95E-07	1.55E-07	7.91E-07	3.36E-07
694	490086.72	3860185	9.92E-04	9.68E-04	9.55E-04	3.43E-07	1.04E-06	6.00E-07	5.85E-07	5.31E-07	2.42E-07	2.39E-07	1.15E-08	2.77E-07	6.11E-08	7.95E-08	1.26E-07	2.22E-08	1.58E-08	5.93E-07	3.13E-07	1.33E-07	1.56E-07	6.14E-08	3.13E-07	1.33E-07
695	490136.72	3860185	1.03E-03	1.00E-03	9.90E-04	3.56E-07	1.07E-06	6.22E-07	6.07E-07	5.50E-07	2.51E-07	2.48E-07	1.19E-08	2.87E-07	6.33E-08	8.24E-08	1.31E-07	2.30E-08	1.63E-08	6.15E-07	3.24E-07	1.38E-07	1.62E-07	6.36E-08	3.24E-07	1.38E-07
696	490186.72	3860185	1.07E-03	1.04E-03	1.03E-03	3.69E-07	1.11E-06	6.45E-07	6.30E-07	5.71E-07	2.60E-07	2.57E-07	1.23E-08	2.98E-07	6.57E-08	8.55E-08	1.36E-07	2.39E-08	1.70E-08	6.38E-07	3.37E-07	1.43E-07	1.68E-07	6.60E-08	3.37E-07	1.43E-07
697	490236.72	3860185	1.11E-03	1.08E-03	1.07E-03	3.83E-07	1.16E-06	6.69E-07	6.53E-07	5.92E-07	2.70E-07	2.67E-07	1.28E-08	3.09E-07	6.82E-08	8.87E-08	1.41E-07	2.48E-08	1.76E-08	6.62E-07	3.49E-07	1.48E-07	1.74E-07	6.85E-08	3.49E-07	1.48E-07
698	490286.72	3860185	1.15E-03	1.12E-03	1.11E-03	3.98E-07	1.20E-06	6.96E-07	6.79E-07	6.15E-07	2.81E-07	2.77E-07	1.33E-08	3.21E-07	7.08E-08	9.22E-08	1.46E-07	2.58E-08	1.83E-08	6.88E-07	3.63E-07	1.54E-07	1.81E-07	7.11E-08	3.63E-07	1.54E-07
699	490336.72	3860185	1.20E-03	1.17E-03	1.15E-03	4.14E-07	1.25E-06	7.23E-07	7.06E-07	6.40E-07	2.92E-07	2.88E-07	1.38E-08	3.34E-07	7.37E-08	9.59E-08	1.52E-07	2.68E-08	1.90E-08	7.15E-07	3.77E-07	1.60E-07	1.88E-07	7.40E-08	3.77E-07	1.60E-07
700	490386.72	3860185	1.25E-03	1.21E-03	1.20E-03	4.31E-07	1.30E-06	7.53E-07	7.35E-07	6.66E-07	3.04E-07	3.00E-07	1.44E-08	3.48E-07	7.67E-08	9.98E-08	1.58E-07	2.79E-08	1.98E-08	7.45E-07	3.93E-07	1.67E-07	1.96E-07	7.71E-08	3.93E-07	1.67E-07
701	490436.72	3860185	1.30E-03	1.27E-03	1.25E-03	4.50E-07	1.36E-06	7.86E-07	7.67E-07	6.95E-07	3.17E-07	3.13E-07	1.50E-08	3.63E-07	8.01E-08	1.04E-07	1.65E-07	2.91E-08	2.07E-08	7.77E-07	4.10E-07	1.74E-07	2.05E-07	8.04E-08	4.10E-07	1.74E-07
702	490486.72	3860185	1.36E-03	1.33E-03	1.31E-03	4.70E-07	1.42E-06	8.22E-07	8.02E-07	7.27E-07	3.32E-07	3.27E-07	1.57E-08	3.79E-07	8.37E-08	1.09E-07	1.73E-07	3.04E-08	2.16E-08	8.12E-07	4.29E-07	1.82E-07	2.14E-07	8.41E-08	4.29E-07	1.82E-07
703	490536.72	3860185	1.43E-03	1.39E-03	1.37E-03	4.94E-07	1.49E-06	8.63E-07	8.42E-07	7.63E-07	3.48E-07	3.44E-07	1.65E-08	3.98E-07	8.79E-08	1.14E-07	1.81E-07	3.20E-08	2.27E-08	8.53E-07	4.50E-07	1.91E-07	2.25E-07	8.82E-08	4.50E-07	1.91E-07
704	490586.72	3860185	1.50E-03	1.47E-03	1.45E-03	5.20E-07	1.57E-06	9.09E-07	8.87E-07	8.04E-07	3.67E-07	3.62E-07	1.74E-08	4.20E-07	9.26E-08	1.20E-07	1.91E-07	3.37E-08	2.39E-08	8.99E-07	4.74E-07	2.01E-07	2.37E-07	9.30E-08	4.74E-07	2.01E-07
705	490636.72	3860185	1.59E-03	1.55E-03	1.53E-03	5.49E-07	1.66E-06	9.60E-07	9.37E-07	8.50E-07	3.88E-07	3.83E-07	1.83E-08	4.43E-07	9.78E-08	1.27E-07	2.02E-07	3.56E-08	2.52E-08	9.49E-07	5.01E-07	2.13E-07	2.50E-07	9.82E-08	5.01E-07	2.13E-07
706	490686.72	3860185	1.69E-03	1.65E-03	1.62E-03	5.84E-07	1.76E-06	1.02E-06	9.96E-07	9.02E-07	4.12E-07	4.06E-07	1.95E-08	4.71E-07	1.04E-07	1.35E-07	2.14E-07	3.78E-08	2.68E-08	1.01E-06	5.32E-07	2.26E-07	2.66E-07	1.04E-07	5.32E-07	2.26E-07
707	490736.72	3860185	1.80E-03	1.75E-03	1.73E-03	6.22E-07	1.88E-06	1.09E-06	1.06E-06	9.62E-07	4.39E-07	4.33E-07	2.08E-08	5.02E-07	1.11E-07	1.44E-07	2.29E-07	4.03E-08	2.86E-08	1.08E-06	5.67E-07	2.41E-07	2.83E-07	1.11E-07	5.67E-07	2.41E-07
708	490786.72	3860185	1.93E-03	1.89E-03	1.86E-03	6.70E-07	2.02E-06	1.17E-06	1.14E-06	1.04E-06	4.72E-07	4.66E-07	2.24E-08	5.40E-07	1.19E-07	1.55E-07	2.46E-07	4.34E-08	3.08E-08	1.16E-06	6.11E-07	2.59E-07	3.05E-07	1.20E-07	6.11E-07	2.59E-07
709	490836.72	3860185	2.10E-03	2.05E-03	2.02E-03	7.26E-07	2.19E-06	1.27E-06	1.24E-06	1.12E-06	5.12E-07	5.05E-07	2.42E-08	5.86E-07	1.29E-07	1.68E-07	2.67E-07	4.70E-08	3.33E-08	1.25E-06	6.62E-07	2.81E-07	3.30E-07	1.30E-07	6.62E-07	2.81E-07
710	490086.72	3860235	9.23E-04	9.00E-04	8.88E-04	3.19E-07	9.64E-07	5.58E-07	5.45E-07	4.94E-07	2.25E-07	2.22E-07	1.07E-08	2.58E-07	5.68E-08	7.40E-08	1.17E-07	2.07E-08	1.47E-08	5.52E-07	2.91E-07	1.24E-07	1.45E-07	5.71E-08	2.91E-07	1.24E-07
711	490136.72	3860235	9.53E-04	9.30E-04	9.18E-04	3.30E-07	9.96E-07	5.77E-07	5.63E-07	5.10E-07	2.33E-07	2.30E-07	1.10E-08	2.66E-07	5.87E-08	7.64E-08	1.21E-07	2.14E-08	1.52E-08	5.70E-07	3.01E-07	1.28E-07	1.50E-07	5.90E-08	3.01E-07	1.28E-07
712	490186.72	3860235	9.86E-04	9.62E-04	9.50E-04	3.41E-07	1.03E-06	5.97E-07	5.82E-07	5.28E-07	2.41E-07	2.38E-07	1.14E-08	2.75E-07	6.08E-08	7.91E-08	1.25E-07	2.21E-08	1.57E-08	5.90E-07	3.11E-07	1.32E-07	1.55E-07	6.10E-08	3.11E-07	1.32E-07
713	490236.72	3860235	1.02E-03	9.96E-04	9.83E-04	3.53E-07	1.07E-06	6.18E-07	6.03E-07	5.46E-07	2.49E-07	2.46E-07	1.18E-08	2.85E-07	6.29E-08	8.18E-08	1.30E-07	2.29E-08	1.62E-08	6.11E-07	3.22E-07	1.37E-07	1.61E-07	6.32E-08	3.22E-07	1.37E-07
714	490286.72	3860235	1.06E-03	1.03E-03	1.02E-03	3.66E-07	1.11E-06	6.40E-07	6.24E-07	5.66E-07	2.58E-07	2.55E-07	1.22E-08	2.95E-07	6.52E-08	8.48E-08	1.34E-07	2.37E-08	1.68E-08	6.32E-07	3.34E-07	1.42E-07	1.67E-07	6.54E-08	3.34E-07	1.42E-07
715	490336.72	3860235	1.10E-03	1.07E-03	1.06E-03	3.80E-07	1.15E-06	6.64E-07	6.48E-07	5.87E-07	2.68E-07	2.64E-07	1.27E-08	3.06E-07	6.76E-08	8.79E-08	1.39E-07	2.46E-08	1.74E-08	6.56E-07	3.46E-07	1.47E-07	1.73E-07	6.79E-08	3.46E-07	1.47E-07
716	490386.72	3860235	1.14E-03	1.11E-03	1.10E-03	3.94E-07	1.19E-06	6.89E-07	6.73E-07	6.10E-07	2.78E-07	2.75E-07	1.32E-08	3.18E-07	7.02E-08	9.13E-08	1.45E-07	2.55E-08	1.81E-08	6.81E-07	3.60E-07	1.53E-07	1.79E-07	7.05E-08	3.60E-07	1.53E-07
717	490436.72	3860235	1.19E-03	1.16E-03	1.14E-03	4.10E-07	1.24E-06	7.17E-07	7.00E-07	6.34E-07	2.89E-07	2.86E-07	1.37E-08	3.31E-07	7.30E-08	9.50E-08	1.51E-07	2.66E-08	1.88E-08	7.09E-07	3.74E-07	1.59E-07	1.87E-07	7.34E-08	3.74E-07	1.59E-07
718	490486.72	3860235	1.23E-03	1.20E-03	1.19E-03	4.27E-07	1.29E-06	7.47E-07	7.29E-07	6.61E-07	3.01E-07	2.97E-07	1.43E-08	3.45E-07	7.60E-08	9.89E-08	1.57E-07	2.77E-08	1.96E-08	7.38E-07	3.90E-07	1.65E-07	1.94E-07	7.64E-08	3.90E-07	1.65E-07
719	490536.72	3860235	1.29E-03	1.26E-03	1.24E-03	4.47E-07	1.35E-06	7.80E-07	7.62E-07	6.90E-07	3.15E-07	3.11E-07	1.49E-08	3.60E-07	7.95E-08	1.03E-07	1.64E-07	2.89E-08	2.05E-08	7.71E-07	4.07E-07	1.73E-07	2.03E-07	7.98E-08	4.07E-07	1.73E-07
720	490586.72	3860235	1.35E-03	1.32E-03	1.30E-03	4.68E-07	1.41E-06	8.18E-07	7.98E-07	7.23E-07	3.30E-07	3.26E-07	1.56E-08	3.77E-07	8.33E-08	1.08E-07	1.72E-07	3.03E-08	2.15E-08	8.08E-07	4.27E-07	1.81E-07	2.13E-07	8.37E-08	4.27E-07	1.81E-07
721	490636.72	3860235	1.42E-03	1.39E-03	1.37E-03	4.92E-07	1.49E-06	8.60E-07	8.39E-07	7.61E-07	3.47E-07	3.42E-07	1.64E-08	3.97E-07	8.75E-08	1.14E-07	1.81E-07	3.18E-08	2.26E-08	8.50E-07	4.48E-07	1.90E-07	2.24E-07	8.79E-08	4.48E-07	1.90E-07
722	490686.72	3860235	1.50E-03	1.46E-03	1.44E-03	5.19E-07	1.57E-06	9.07E-07	8.86E-07	8.03E-07	3.66E-07	3.61E-07	1.73E-08	4.19E-07	9.24E-08	1.20E-07	1.91E-07	3.36E-08	2.38E-08	8.97E-07	4.73E-07	2.01E-07	2.36E-07	9.28E-08	4.73E-07	2.01E-07
723	490736.72	3860235	1.59E-03	1.55E-03	1.53E-03	5.50E-07	1.66E-06	9.61E-07	9.38E-07	8.50E-07	3.88E-07	3.83E-07	1.84E-08	4.44E-07	9.79E-08	1.27E-07	2.02E-07	3.56E-08	2.53E-08	9.50E-07	5.02E-07	2.13E-07	2.50E-07	9.83E-08	5.02E-07	2.13E-07
724	490786.72	3860235	1.69E-03	1.65E-03	1.63E-03	5.86E-07	1.77E-06	1.02E-06	9.99E-07	9.06E-07	4.13E-07	4.08E-07	1.96E-08	4.73E-07	1.04E-07	1.36E-07	2.15E-07	3.79E-08	2.69E-08	1.01E-06	5.34E-07	2.27E-07	2.67E-07	1.05E-07	5.34E-07	2.27E-07
725	490086.72	3860285	8.64E-04	8.43E-04	8.32E-04	2.99E-07	9.03E-07	5.23E-07	5.10E-07	4.63E-07	2.11E-07	2.08E-07	9.99E-09	2.41E-07	5.32E-08	6.93E-08	1.10E-07	1.94E-08	1.37E-08	5.17E-07	2.73E-07	1.16E-07	1.36E-07	5.35E-08	2.73E-07	1.16E-07
726	490136.72	3860285	8.91E-04	8.69E-04	8.58E-04	3.08E-07	9.31E-07	5.39E-07	5.26E-07	4.77E-07	2.18E-07	2.15E-07	1.03E-08	2.49E-07	5.49E-08	7.14E-08	1.13E-07	2.00E-08	1.42E-08	5.33E-07	2.81E-07	1.19E-07	1.40E-07	5.51E-08	2.81E-07	1.19E-07
727	490186.72	3860285	9.19E-04	8.96E-04	8.84E-04	3.18E-07	9.60E-07	5.56E-07	5.42E-07	4.92E-07	2.24E-07	2.21E-07	1.06E-08	2.56E-07	5.66E-08	7.36E-08	1.17E-07	2.06E-08	1.46E-08	5.49E-07	2.90E-07	1.23E-07	1.45E-07	5.68E-08	2.90E-07	1.23E-07
728	490236.72	3860285	9.49E-04	9.26E-04	9.14E-04	3.29E-07	9.92E-07	5.74E-07	5.60E-07	5.08E-07	2.32E-07	2.29E-07	1.10E-08	2.65E-07	5.85E-08	7.61E-08	1.21E-07	2.13E-08	1.51E-08	5.68E-07	3.00E-07	1.27E-07	1.50E-07	5.87E-08	3.00E-07	1.27E-07
729	490286.72	3860285	9.80E-04	9.57E-04	9.44E-04	3.39E-07	1.02E-06	5.93E-07	5.79E-07	5.25E-07	2.39E-07	2.36E-07	1.13E-08	2.74E-07	6.04E-08	7.86E-08	1.25E-07	2.20E-08	1.56E-08	5.86E-07	3.09E-07	1.31E-07	1.54E-07	6.07E-08	3.09E-07	1.31E-07
730	490336.72	3860285	1.01E-03	9.90E-04	9.77E-04	3.51E-07	1.06E-06	6.14E-07	5.99E-07	5.43E-07	2.48E-07	2.45E-07	1.17E-08	2.83E-07	6.25E-08	8.13E-08	1.29E-07	2.27E-08	1.61E-08	6.07E-07	3.20E-07	1.36E-07	1.60E-07	6.28E-08	3.20E-07	1.36E-07
731	490386.72	3860285	1.05E-03	1.03E-03	1.01E-03	3.64E-07	1.10E-06	6.37E-07	6.21E-07	5.63E-07	2.57E-07	2.54E-07	1.22E-08	2.94E-07	6.48E-08	8.43E-08	1.34E-07	2.36E-08	1.67E-08	6.29E-07	3.32E-07	1.41E-07	1.66E-07	6.51E-08	3.32E-07	1.41E-07
732	490436.72	3860285	1.09E-03	1.06E-03	1.05E-03	3.78E-07	1.14E-06	6.60E-07	6.44E-07	5.84E-07	2.66E-07	2.63E-07	1.26E-08	3.05E-07	6.72E-08	8.75E-08	1.39E-07	2.45E-08	1.73E-08	6.53E-07	3.44E-07	1.46E-07	1.72E-07	6.75E-08	3.44E-07	1.46E-07
733	490486.72	3860285	1.13E-03	1.11E-03	1.09E-03	3.93E-07	1.19E-06	6.86E-07	6.70E-07	6.07E-07	2.77E-07	2.73E-07	1.31E-08	3.17E-07	6.99E-08	9.09E-08	1.44E-07	2.54E-08	1.80E-08	6.78E-07	3.58E-07	1.52E-07	1.79E-07	7.02E-08	3.58E-07	1.52E-07

734	490536.72	3860285	1.18E-03	1.15E-03	1.14E-03	4.09E-07	1.23E-06	7.14E-07	6.97E-07	6.32E-07	2.88E-07	2.85E-07	1.36E-08	3.30E-07	7.27E-08	9.47E-08	1.50E-07	2.65E-08	1.88E-08	7.06E-07	3.73E-07	1.58E-07	1.86E-07	7.31E-08	3.73E-07	1.58E-07
735	490586.72	3860285	1.23E-03	1.20E-03	1.19E-03	4.26E-07	1.29E-06	7.45E-07	7.27E-07	6.59E-07	3.01E-07	2.97E-07	1.42E-08	3.44E-07	7.59E-08	9.87E-08	1.57E-07	2.76E-08	1.96E-08	7.37E-07	3.89E-07	1.65E-07	1.94E-07	7.62E-08	3.89E-07	1.65E-07
736	490636.72	3860285	1.29E-03	1.26E-03	1.24E-03	4.46E-07	1.35E-06	7.80E-07	7.61E-07	6.90E-07	3.15E-07	3.11E-07	1.49E-08	3.60E-07	7.94E-08	1.03E-07	1.64E-07	2.89E-08	2.05E-08	7.71E-07	4.07E-07	1.73E-07	2.03E-07	7.98E-08	4.07E-07	1.73E-07
737	490686.72	3860285	1.36E-03	1.32E-03	1.31E-03	4.69E-07	1.42E-06	8.20E-07	8.00E-07	7.25E-07	3.31E-07	3.27E-07	1.57E-08	3.78E-07	8.35E-08	1.09E-07	1.72E-07	3.04E-08	2.15E-08	8.11E-07	4.28E-07	1.82E-07	2.14E-07	8.39E-08	4.28E-07	1.82E-07
738	490736.72	3860285	1.43E-03	1.39E-03	1.38E-03	4.94E-07	1.49E-06	8.64E-07	8.43E-07	7.65E-07	3.49E-07	3.44E-07	1.65E-08	3.99E-07	8.80E-08	1.15E-07	1.82E-07	3.20E-08	2.27E-08	8.54E-07	4.51E-07	1.91E-07	2.25E-07	8.84E-08	4.51E-07	1.91E-07
739	490786.72	3860285	1.51E-03	1.48E-03	1.46E-03	5.24E-07	1.58E-06	9.16E-07	8.93E-07	8.10E-07	3.70E-07	3.65E-07	1.75E-08	4.22E-07	9.32E-08	1.21E-07	1.92E-07	3.39E-08	2.41E-08	9.05E-07	4.78E-07	2.03E-07	2.38E-07	9.36E-08	4.78E-07	2.03E-07
740	490086.72	3860335	8.15E-04	7.96E-04	7.85E-04	2.82E-07	8.52E-07	4.93E-07	4.81E-07	4.36E-07	1.99E-07	1.96E-07	9.42E-09	2.28E-07	5.02E-08	6.54E-08	1.04E-07	1.83E-08	1.30E-08	4.88E-07	2.57E-07	1.09E-07	1.28E-07	5.05E-08	2.57E-07	1.09E-07
741	490136.72	3860335	8.38E-04	8.18E-04	8.07E-04	2.90E-07	8.76E-07	5.07E-07	4.95E-07	4.49E-07	2.05E-07	2.02E-07	9.69E-09	2.34E-07	5.17E-08	6.72E-08	1.07E-07	1.88E-08	1.33E-08	5.01E-07	2.65E-07	1.12E-07	1.32E-07	5.19E-08	2.65E-07	1.12E-07
742	490186.72	3860335	8.62E-04	8.41E-04	8.30E-04	2.98E-07	9.01E-07	5.22E-07	5.09E-07	4.61E-07	2.11E-07	2.08E-07	9.97E-09	2.41E-07	5.31E-08	6.91E-08	1.10E-07	1.93E-08	1.37E-08	5.16E-07	2.72E-07	1.15E-07	1.36E-07	5.34E-08	2.72E-07	1.15E-07
743	490236.72	3860335	8.89E-04	8.67E-04	8.56E-04	3.08E-07	9.29E-07	5.38E-07	5.25E-07	4.76E-07	2.17E-07	2.14E-07	1.03E-08	2.48E-07	5.48E-08	7.12E-08	1.13E-07	1.99E-08	1.41E-08	5.31E-07	2.80E-07	1.19E-07	1.40E-07	5.50E-08	2.80E-07	1.19E-07
744	490286.72	3860335	9.16E-04	8.94E-04	8.82E-04	3.17E-07	9.57E-07	5.54E-07	5.41E-07	4.90E-07	2.24E-07	2.21E-07	1.06E-08	2.56E-07	5.64E-08	7.34E-08	1.16E-07	2.05E-08	1.46E-08	5.48E-07	2.89E-07	1.23E-07	1.44E-07	5.67E-08	2.89E-07	1.23E-07
745	490336.72	3860335	9.46E-04	9.23E-04	9.11E-04	3.27E-07	9.89E-07	5.72E-07	5.59E-07	5.06E-07	2.31E-07	2.28E-07	1.09E-08	2.64E-07	5.83E-08	7.58E-08	1.20E-07	2.12E-08	1.50E-08	5.66E-07	2.99E-07	1.27E-07	1.49E-07	5.85E-08	2.99E-07	1.27E-07
746	490386.72	3860335	9.78E-04	9.54E-04	9.42E-04	3.39E-07	1.02E-06	5.92E-07	5.77E-07	5.23E-07	2.39E-07	2.36E-07	1.13E-08	2.73E-07	6.02E-08	7.84E-08	1.24E-07	2.19E-08	1.55E-08	5.85E-07	3.09E-07	1.31E-07	1.54E-07	6.05E-08	3.09E-07	1.31E-07
747	490436.72	3860335	1.01E-03	9.88E-04	9.75E-04	3.51E-07	1.06E-06	6.13E-07	5.98E-07	5.42E-07	2.47E-07	2.44E-07	1.17E-08	2.83E-07	6.24E-08	8.12E-08	1.29E-07	2.27E-08	1.61E-08	6.06E-07	3.20E-07	1.36E-07	1.60E-07	6.27E-08	3.20E-07	1.36E-07
748	490486.72	3860335	1.05E-03	1.02E-03	1.01E-03	3.63E-07	1.10E-06	6.35E-07	6.20E-07	5.62E-07	2.56E-07	2.53E-07	1.21E-08	2.93E-07	6.47E-08	8.42E-08	1.34E-07	2.35E-08	1.67E-08	6.28E-07	3.31E-07	1.41E-07	1.65E-07	6.50E-08	3.31E-07	1.41E-07
749	490536.72	3860335	1.09E-03	1.06E-03	1.05E-03	3.78E-07	1.14E-06	6.60E-07	6.44E-07	5.84E-07	2.66E-07	2.63E-07	1.26E-08	3.05E-07	6.72E-08	8.74E-08	1.39E-07	2.44E-08	1.73E-08	6.52E-07	3.44E-07	1.46E-07	1.72E-07	6.75E-08	3.44E-07	1.46E-07
750	490586.72	3860335	1.14E-03	1.11E-03	1.09E-03	3.93E-07	1.19E-06	6.87E-07	6.70E-07	6.08E-07	2.77E-07	2.74E-07	1.31E-08	3.17E-07	6.99E-08	9.10E-08	1.44E-07	2.54E-08	1.80E-08	6.79E-07	3.58E-07	1.52E-07	1.79E-07	7.02E-08	3.58E-07	1.52E-07
751	490636.72	3860335	1.18E-03	1.16E-03	1.14E-03	4.10E-07	1.24E-06	7.16E-07	6.99E-07	6.34E-07	2.89E-07	2.85E-07	1.37E-08	3.31E-07	7.30E-08	9.49E-08	1.51E-07	2.65E-08	1.88E-08	7.08E-07	3.74E-07	1.59E-07	1.87E-07	7.33E-08	3.74E-07	1.59E-07
752	490686.72	3860335	1.24E-03	1.21E-03	1.19E-03	4.29E-07	1.30E-06	7.50E-07	7.32E-07	6.63E-07	3.03E-07	2.99E-07	1.43E-08	3.46E-07	7.64E-08	9.93E-08	1.58E-07	2.78E-08	1.97E-08	7.41E-07	3.91E-07	1.66E-07	1.95E-07	7.67E-08	3.91E-07	1.66E-07
753	490736.72	3860335	1.30E-03	1.27E-03	1.25E-03	4.50E-07	1.36E-06	7.87E-07	7.68E-07	6.96E-07	3.18E-07	3.14E-07	1.50E-08	3.63E-07	8.02E-08	1.04E-07	1.65E-07	2.92E-08	2.07E-08	7.78E-07	4.11E-07	1.74E-07	2.05E-07	8.05E-08	4.11E-07	1.74E-07
754	490786.72	3860335	1.37E-03	1.34E-03	1.32E-03	4.75E-07	1.43E-06	8.30E-07	8.10E-07	7.35E-07	3.35E-07	3.31E-07	1.59E-08	3.83E-07	8.46E-08	1.10E-07	1.75E-07	3.08E-08	2.18E-08	8.21E-07	4.33E-07	1.84E-07	2.16E-07	8.49E-08	4.33E-07	1.84E-07
755	490086.72	3860385	7.74E-04	7.55E-04	7.45E-04	2.68E-07	8.09E-07	4.68E-07	4.57E-07	4.14E-07	1.89E-07	1.87E-07	8.95E-09	2.16E-07	4.77E-08	6.21E-08	9.85E-08	1.74E-08	1.23E-08	4.63E-07	2.44E-07	1.04E-07	1.22E-07	4.79E-08	2.44E-07	1.04E-07
756	490136.72	3860385	7.94E-04	7.75E-04	7.65E-04	2.75E-07	8.30E-07	4.80E-07	4.69E-07	4.25E-07	1.94E-07	1.91E-07	9.18E-09	2.22E-07	4.89E-08	6.37E-08	1.01E-07	1.78E-08	1.26E-08	4.75E-07	2.51E-07	1.06E-07	1.25E-07	4.91E-08	2.51E-07	1.06E-07
757	490186.72	3860385	8.15E-04	7.95E-04	7.85E-04	2.82E-07	8.52E-07	4.93E-07	4.81E-07	4.36E-07	1.99E-07	1.96E-07	9.42E-09	2.28E-07	5.02E-08	6.53E-08	1.04E-07	1.83E-08	1.30E-08	4.87E-07	2.57E-07	1.09E-07	1.28E-07	5.04E-08	2.57E-07	1.09E-07
758	490236.72	3860385	8.37E-04	8.17E-04	8.06E-04	2.90E-07	8.75E-07	5.07E-07	4.94E-07	4.48E-07	2.04E-07	2.02E-07	9.68E-09	2.34E-07	5.16E-08	6.71E-08	1.06E-07	1.88E-08	1.33E-08	5.01E-07	2.64E-07	1.12E-07	1.32E-07	5.18E-08	2.64E-07	1.12E-07
759	490286.72	3860385	8.62E-04	8.41E-04	8.30E-04	2.98E-07	9.01E-07	5.21E-07	5.09E-07	4.61E-07	2.10E-07	2.08E-07	9.96E-09	2.41E-07	5.31E-08	6.91E-08	1.10E-07	1.93E-08	1.37E-08	5.15E-07	2.72E-07	1.15E-07	1.36E-07	5.33E-08	2.72E-07	1.15E-07
760	490336.72	3860385	8.87E-04	8.66E-04	8.54E-04	3.07E-07	9.28E-07	5.37E-07	5.24E-07	4.75E-07	2.17E-07	2.14E-07	1.03E-08	2.48E-07	5.47E-08	7.11E-08	1.13E-07	1.99E-08	1.41E-08	5.31E-07	2.80E-07	1.19E-07	1.40E-07	5.49E-08	2.80E-07	1.19E-07
761	490386.72	3860385	9.16E-04	8.93E-04	8.82E-04	3.17E-07	9.57E-07	5.54E-07	5.41E-07	4.90E-07	2.24E-07	2.21E-07	1.06E-08	2.56E-07	5.64E-08	7.34E-08	1.16E-07	2.05E-08	1.46E-08	5.48E-07	2.89E-07	1.23E-07	1.44E-07	5.67E-08	2.89E-07	1.23E-07
762	490436.72	3860385	9.46E-04	9.23E-04	9.11E-04	3.28E-07	9.89E-07	5.73E-07	5.59E-07	5.07E-07	2.31E-07	2.28E-07	1.09E-08	2.64E-07	5.83E-08	7.59E-08	1.20E-07	2.12E-08	1.50E-08	5.66E-07	2.99E-07	1.27E-07	1.49E-07	5.86E-08	2.99E-07	1.27E-07
763	490486.72	3860385	9.79E-04	9.55E-04	9.43E-04	3.39E-07	1.02E-06	5.92E-07	5.78E-07	5.24E-07	2.39E-07	2.36E-07	1.13E-08	2.73E-07	6.03E-08	7.85E-08	1.25E-07	2.19E-08	1.56E-08	5.86E-07	3.09E-07	1.31E-07	1.54E-07	6.06E-08	3.09E-07	1.31E-07
764	490536.72	3860385	1.01E-03	9.90E-04	9.77E-04	3.51E-07	1.06E-06	6.14E-07	5.99E-07	5.43E-07	2.48E-07	2.45E-07	1.17E-08	2.83E-07	6.25E-08	8.13E-08	1.29E-07	2.27E-08	1.61E-08	6.07E-07	3.20E-07	1.36E-07	1.60E-07	6.28E-08	3.20E-07	1.36E-07
765	490586.72	3860385	1.05E-03	1.03E-03	1.01E-03	3.65E-07	1.10E-06	6.38E-07	6.22E-07	5.64E-07	2.57E-07	2.54E-07	1.22E-08	2.94E-07	6.49E-08	8.45E-08	1.34E-07	2.36E-08	1.68E-08	6.30E-07	3.33E-07	1.41E-07	1.66E-07	6.52E-08	3.33E-07	1.41E-07
766	490636.72	3860385	1.10E-03	1.07E-03	1.06E-03	3.79E-07	1.15E-06	6.63E-07	6.47E-07	5.87E-07	2.68E-07	2.64E-07	1.27E-08	3.06E-07	6.75E-08	8.79E-08	1.39E-07	2.46E-08	1.74E-08	6.56E-07	3.46E-07	1.47E-07	1.73E-07	6.78E-08	3.46E-07	1.47E-07
767	490686.72	3860385	1.14E-03	1.12E-03	1.10E-03	3.96E-07	1.20E-06	6.92E-07	6.75E-07	6.12E-07	2.79E-07	2.76E-07	1.32E-08	3.19E-07	7.05E-08	9.17E-08	1.45E-07	2.56E-08	1.82E-08	6.84E-07	3.61E-07	1.53E-07	1.80E-07	7.08E-08	3.61E-07	1.53E-07
768	490736.72	3860385	1.20E-03	1.17E-03	1.15E-03	4.14E-07	1.25E-06	7.24E-07	7.06E-07	6.40E-07	2.92E-07	2.88E-07	1.38E-08	3.34E-07	7.37E-08	9.59E-08	1.52E-07	2.68E-08	1.90E-08	7.15E-07	3.78E-07	1.60E-07	1.88E-07	7.40E-08	3.78E-07	1.60E-07
769	490786.72	3860385	1.26E-03	1.23E-03	1.21E-03	4.35E-07	1.31E-06	7.60E-07	7.41E-07	6.72E-07	3.07E-07	3.03E-07	1.45E-08	3.51E-07	7.74E-08	1.01E-07	1.60E-07	2.81E-08	2.00E-08	7.51E-07	3.96E-07	1.68E-07	1.98E-07	7.77E-08	3.96E-07	1.68E-07
770	490136.72	3860435	7.57E-04	7.38E-04	7.29E-04	2.62E-07	7.91E-07	4.58E-07	4.47E-07	4.05E-07	1.85E-07	1.82E-07	8.75E-09	2.11E-07	4.66E-08	6.07E-08	9.62E-08	1.70E-08	1.20E-08	4.53E-07	2.39E-07	1.01E-07	1.19E-07	4.68E-08	2.39E-07	1.01E-07
771	490186.72	3860435	7.75E-04	7.57E-04	7.47E-04	2.68E-07	8.10E-07	4.69E-07	4.58E-07	4.15E-07	1.89E-07	1.87E-07	8.96E-09	2.17E-07	4.78E-08	6.22E-08	9.86E-08	1.74E-08	1.23E-08	4.64E-07	2.45E-07	1.04E-07	1.22E-07	4.80E-08	2.45E-07	1.04E-07
772	490236.72	3860435	7.95E-04	7.76E-04	7.65E-04	2.75E-07	8.31E-07	4.81E-07	4.69E-07	4.25E-07	1.94E-07	1.92E-07	9.19E-09	2.22E-07	4.90E-08	6.37E-08	1.01E-07	1.78E-08	1.26E-08	4.75E-07	2.51E-07	1.06E-07	1.25E-07	4.92E-08	2.51E-07	1.06E-07
773	490286.72	3860435	8.16E-04	7.96E-04	7.85E-04	2.82E-07	8.53E-07	4.94E-07	4.82E-07	4.37E-07	1.99E-07	1.97E-07	9.43E-09	2.28E-07	5.03E-08	6.54E-08	1.04E-07	1.83E-08	1.30E-08	4.88E-07	2.57E-07	1.09E-07	1.28E-07	5.05E-08	2.57E-07	1.09E-07
774	490336.72	3860435	8.38E-04	8.18E-04	8.07E-04	2.90E-07	8.76E-07	5.07E-07	4.95E-07	4.49E-07	2.05E-07	2.02E-07	9.69E-09	2.34E-07	5.16E-08	6.72E-08	1.07E-07	1.88E-08	1.33E-08	5.01E-07	2.65E-07	1.12E-07	1.32E-07	5.19E-08	2.65E-07	1.12E-07
775	490386.72	3860435	8.63E-04	8.42E-04	8.31E-04	2.99E-07	9.02E-07	5.22E-07	5.10E-07	4.62E-07	2.11E-07	2.08E-07	9.98E-09	2.41E-07	5.32E-08	6.92E-08	1.10E-07	1.93E-08	1.37E-08	5.16E-07	2.72E-07	1.16E-07	1.36E-07	5.34E-08	2.72E-07	1.16E-07
776	490436.72	3860435	8.89E-04	8.68E-04	8.56E-04	3.08E-07	9.30E-07	5.38E-07	5.25E-07	4.76E-07	2.17E-07	2.14E-07	1.03E-08	2.48E-07	5.48E-08	7.13E-08	1.13E-07	1.99E-08	1.41E-08	5.32E-07	2.81E-07	1.19E-07	1.40E-07	5.50E-08	2.81E-07	1.19E-07
777	490486.72	3860435	9.19E-04	8.96E-04	8.84E-04	3.18E-07	9.60E-07	5.56E-07	5.42E-07	4.92E-07	2.24E-07	2.21E-07	1.06E-08	2.56E-07	5.66E-08	7.36E-08	1.17E-07	2.06E-08	1.46E-08	5.49E-07	2.90E-07	1.23E-07	1.45E-07	5.68E-08	2.90E-07	1.23E-07
778	490536.72	3860435	9.50E-04	9.27E-04	9.15E-04	3.29E-07	9.93E-07	5.75E-07	5.61E-07	5.09E-07	2.32E-07	2.29E-07	1.10E-08	2.65E-07	5.85E-08	7.62E-08	1.21E-07	2.13E-08	1.51E-08	5.68E-07	3.00E-07	1.27E-07	1.50E-07	5.88E-08	3.00E-07	1.27E-07
779	490586.72	3860435	9.84E-04	9.60E-04	9.48E-04	3.41E-07	1.03E-06	5.95E-07	5.81E-07	5.27E-07	2.40E-07	2.37E-07	1.14E-08	2.75E-07	6.06E-08	7.89E-08	1.25E-07	2.21E-08	1.56E-08	5.89E-07	3.11E-07	1.32E-07	1.55E-07	6.09E-08	3.11E-07	1.32E-07
780	490636.72	3860435	1.02E-03	9.97E-04	9.83E-04	3.54E-07	1.07E-06	6.18E-07	6.03E-07	5.47E-07	2.49E-07	2.46E-07	1.18E-08	2.85E-07	6.29E-08	8.19E-08	1.30E-07	2.29E-08	1.62E-08	6.11E-07	3.22E-07	1.37E-07	1.61E-07	6.32E-08	3.22E-07	1.37E-07
781	490686.72	3860435	1.06E-03	1.04E-03	1.02E-03	3.68E-07	1.11E-06	6.43E-07	6.27E-07	5.69E-07	2.59E-07	2.56E-07	1.23E-08	2.97E-07	6.55E-08	8.52E-08	1.35E-07	2.38E-08	1.69E-08	6.35E-07	3.35E-07	1.42E-07	1.67E-07	6.58E-08	3.35E-07	1.42E-07
782	490736.72	3860435	1.11E-03	1.08E-03	1.07E-03	3.84E-07	1.16E-06	6.71E-07	6.55E-07	5.93E-07	2.71E-07	2.67E-07	1.28E-08	3.10E-07	6.83E-08	8.89E-08	1.41E-07	2.48E-08	1.76E-08	6.63E-07	3.50E-07	1.48E-07	1.75E-07	6.86E-08	3.50E-07	1.48E-07
783	490786.72	3860435	1.16E-03	1.13E-03	1.12E-03	4.01E-07	1.21E-06	7.01E-07	6.84E-07	6.20E-07	2.83E-07	2.79E-07	1.34E-08	3.24E-07	7.14E-08	9.29E-08	1.47E-07	2.60E-08	1.84E-08	6.93E-07	3.66E-07	1.55E-07	1.83E-07	7.17E-08	3.66E-07	1.55E-07
784	490136.72	3860485	7.26E-04	7.09E-04	6.99E-04	2.51E-07	7.59E-07	4.40E-07	4.29E-07	3.89E-07	1.77E-07	1.75E-07	8.40E-09	2.03E-07	4.48E-08	5.82E-08	9.24E-08	1.63E-08	1.15E-08	4.34E-07	2.29E-07	9.73E-08	1.14E-07	4.50E-08	2.29E-07	9.73E-08
785	490186.72	3860485	7.42E-04	7.24E-04	7.15E-04	2.57E-07	7.76E-07	4.49E-07	4.38E-07	3.97E-07	1.81E-07	1.79E-07	8.58E-09	2.07E-07	4.57E-08	5.95E-08	9.44E-08	1.66E-08	1.18E-08	4.44E-07	2.34E-07	9.94E-08	1.17E-07	4.59E-08	2.34E-07	9.94E-08
786	490236.72	3860485	7.59E-04	7.41E-04	7.31E-04	2.63E-07	7.94E-07	4.59E-07	4.48E-07	4.06E-07	1.85E-07	1.83E-07	8.78E-09	2.12E-07	4.68E-08	6.09E-08	9.66E-08	1.70E-08	1.21E-08	4.54E-07	2.40E-07	1.02E-07	1.20E-07	4.70E-08	2.40E-07	1.02E-07
787	490286.72	3860485	7.78E-04	7.59E-04	7.49E-04	2.69E-07	8.13E-07	4.71E-07	4.59E-07	4.16E-07	1.90E-07	1.87E-07	8.99E-09	2.17E-07	4.79E-08	6.24E-08	9.89E-08	1.74E-08	1.24E-08	4.65E-07	2.46E-07	1.04E-07	1.23E-07	4.81E-08	2.46E-07	1.04E-07
788	490336.72	3860485	7.97E-04	7.78E-04	7.68E-04	2.76E-07	8.33E-07	4.82E-07	4.71E-07	4.27E-07	1.95E-07	1.92E-07	9.22E-09	2.23E-07	4.91E-08	6.39E-08	1.01E-07	1.79E-08	1.27E-08	4.77E-07	2.52E-07	1.07E-07	1.26E-07	4.93E-08	2.52E-07	1.07E-07
789	490386.72	3860485	8.19E-04	8.00E-04	7.89E-04	2.84E-07	8.56E-07	4.96E-07	4.84E-07	4.39E-07	2.00E-07	1.97E-07	9.47E-09	2.29E-07	5.05E-08	6.57E-08	1.04E-07	1.84E-08	1.30E-08	4.90E-07	2.59E-07	1.10E-07	1.29E-07	5.07E-08	2.59E-07	1.10E-07
790	490436.72	3860485	8.43E-04	8.23E-04	8.12E-04	2.92E-07	8.81E-07	5.10E-07	4.98E-07	4.51E-07	2.06E-07	2.03E-07	9.74E-09	2.35E-07	5.19E-08	6.76E-08	1.07E-07	1.89E-08	1.34E-08	5.04E-07	2.66E-07	1.13E-07	1.33E-07	5.22E-08	2.66E-07	1.13E-07
791	490486.72	3860485	8.68E-04	8.47E-04	8.36E-04	3.01E-07	9.08E-07	5.25E-07	5.13E-07	4.65E-07	2.12E-07	2.09E-07	1.00E-08	2.42E-07	5.35E-08	6.96E-08	1.10E-07	1.95E-08	1.38E-08	5.19E-07	2.74E-07	1.16E-07	1.37E-07	5.37E-08	2.74E-07	1.16E-07
792	490536.72	3860485	8.95E-04	8.74E-04	8.62E-04	3.10E-07	9.36E-07	5.42E-07	5.29E-07	4.79E-07	2.19E-07	2.16E-07	1.03E-08	2.50E-07	5.52E-08	7.18E-08	1.14E-07	2.01E-08	1.42E-08	5.35E-07	2.83E-07	1.20E-07	1.41E-07	5.54E-08	2.83E-07	1.20E-07
793	490586.72	3860485	9.25E-04	9.02E-04	8.90E-04	3.20E-07	9.67E-07	5.60E-07	5.46E-07	4.95E-07	2.26E-07	2.23E-07	1.07E-08	2.58E-07	5.70E-08	7.41E-08	1.18E-07	2.07E-08	1.47E-08	5.53E-07	2.92E-07	1.24E-07	1.46E-07	5.72E-08	2.92E-07	1.24E-07
794	490636.72	3860485	9.58E-04	9.35E-04	9.22E-04	3.32E-07	1.00E-06	5.80E-07	5.66E-07	5.13E-07	2.34E-07	2.31E-07	1.11E-08	2.67E-07	5.90E-08	7.68E-08	1.22E-07	2.15E-08	1.52E-08	5.73E-07	3.02E-07	1.28E-07	1.51E-07	5.93E-08	3.02E-07	1.28E-07
795	490686.72	3860485	9.93E-04	9.69E-04	9.56E-04	3.44E-07	1.04E-06	6.01E-07	5.86E-07	5.32E-07	2.43E-07	2.39E-07	1.15E-08	2.77E-07	6.12E-08	7.96E-08	1.26E-07	2.23E-08	1.58E-08	5.94E-07	3.13E-07	1.33E-07	1.56E-07	6.15E-08	3.13E-07	1.33E-07
796	490736.72	3860485	1.03E-03	1.01E-03	9.95E-04	3.58E-07	1.08E-06	6.25E-07	6.10E-07	5.53E-07	2.52E-07	2.49E-07	1.19E-08	2.89E-07	6.37E-08	8.28E-08	1.31E-07	2.32E-08	1.64E-08	6.18E-07	3.26E-07	1.38E-07	1.63E-07	6.40E-08	3.26E-07	1.38E-07
797	490786.72	3860485	1.08E-03	1.05E-03	1.04E-03	3.73E-07	1.13E-06	6.52E-07	6.36E-07	5.77E-07	2.63E-07	2.60E-07	1.25E-08	3.01E-07	6.64E-08	8.64E-08	1.37E-07	2.41E-08	1.71E-08	6.44E-07	3.40E-07	1.44E-07	1.70E-07	6.67E-08	3.40E-07	1.44E-07
798	490136.72	3860535	6.99E-04	6.83E-04	6.74E-04	2.42E-07	7.31E-07	4.23E-07	4.13E-07	3.74E-07	1.71E-07	1.69E-07	8.09E-09	1.95E-07	4.31E-08	5.61E-08	8.90E-08	1.57E-08	1.11E-08	4.18E-07	2.21E-07	9.37E-08	1.10E-07	4.33E-08	2.21E-07	9.37E-08
799	490186.72	3860535	7.14E-04	6.97E-04	6.88E-04	2.47E-07	7.47E-07	4.32E-07	4.22E-07	3.82E-07	1.74E-07	1.72E-07	8.26E-09	1.99E-07	4.40E-08	5.73E-08	9.09E-08	1.60E-08	1.14E-08	4.27E-07	2.25E-07	9.57E-08	1.13E-07	4.42E-08	2.25E-07	9.57E-08
800	490236.72	3860535	7.30E-04	7.12E-04	7.03E-04	2.53E-07	7.63E-07	4.42E-07	4.31E-07	3.91E-07	1.78E-07	1.76E-07	8.44E-09	2.04E-07	4.50E-08	5.85E-08	9.28E-08	1.64E-08	1.16E-08	4.36E-07	2.30E-07	9.77E-08	1.15E-07	4.52E-08	2.30E-07	9.77E-08
801	490286.72	3860535	7.46E-04	7.28E-04	7.18E-04	2.58E-07	7.79E-07	4.51E-07	4.40E-07	3.99E-07	1.82E-07	1.80E-07	8.62E-09	2.08E-07	4.59E-08	5.98E-08	9.48E-08	1.67E-08	1.19E-08	4.46E-07	2.35E-07	9.98E-08	1.17E-07	4.61E-08	2.35E-07	9.98E-08
802	490336.72	3860535	7.64E-04	7.45E-04	7.35E-04	2.64E-07	7.98E-07	4.62E-07	4.51E-07	4.09E-07	1.87E-07	1.84E-07	8.83E-09	2.13E-07	4.71E-08	6.12E-08	9.71E-08	1.71E-08	1.21E-08	4.57E-07	2.41E-07	1.02E-07	1.20E-07	4.73E-08	2.41E-07	1.02E-07
803	490386.72	3860535	7.83E-04	7.64E-04	7.54E-04	2.71E-07	8.18E-07	4.74E-07	4.62E-07	4.19E-07	1.91E-07	1.89E-07	9.05E-09	2.19E-07	4.82E-08	6.28E-08	9.96E-08	1.75E-08	1.24E-08	4.68E-07	2.47E-07	1.05E-07	1.23E-07	4.85E-08	2.47E-07	1.05E-07
804	490436.72	3860535	8.04E-04	7.84E-04	7.74E-04	2.78E-07	8.40E-07	4.86E-07	4.74E-07	4.30E-07	1.96E-07	1.94E-07	9.29E-09	2.24E-07	4.95E-08	6.44E-08	1.02E-07	1.80E-08	1.28E-08	4.81E-07	2.54E-07	1.08E-07	1.27E-07	4.97E-08	2.54E-07	1.08E-07
805	490486.72	3860535	8.26E-04	8.06E-04	7.95E-04	2.86E-07	8.63E-07	5.00E-07	4.88E-07	4.42E-07	2.02E-07	1.99E-07	9.55E-09	2.31E-07	5.09E-08	6.62E-08	1.05E-07	1.85E-08	1.31E-08	4.94E-07	2.61E-07	1.11E-07	1.30E-07	5.11E-08	2.61E-07	1.11E-07
806	490536.72	3860535	8.51E-04	8.30E-04	8.19E-04	2.94E-07	8.89E-07	5.15E-07	5.02E-07	4.55E-07	2.08E-07	2.05E-07	9.83E-09	2.37E-07	5.24E-08	6.82E-08	1.08E-07	1.91E-08	1.35E-08	5.09E-07	2.68E-07	1.14E-07	1.34E-07	5.26E-08	2.68E-07	1.14E-07
807	490586.72	3860535	8.76E-04	8.55E-04	8.43E-04	3.03E-07	9.15E-07	5.30E-07	5.17E-07	4.69E-07	2.14E-07	2.11E-07	1.01E-08	2.45E-07	5.40E-08	7.02E-08	1.11E-07	1.96E-08	1.39E-08	5.24E-07	2.76E-07	1.17E-07	1.38E-07	5.42E-08	2.76E-07	1.17E-07

808	490636.72	3860535	9.04E-04	8.82E-04	8.70E-04	3.13E-07	9.45E-07	5.47E-07	5.34E-07	4.84E-07	2.21E-07	2.18E-07	1.04E-08	2.52E-07	5.57E-08	7.25E-08	1.15E-07	2.03E-08	1.44E-08	5.41E-07	2.85E-07	1.21E-07	1.42E-07	5.59E-08	2.85E-07	1.21E-07
809	490686.72	3860535	9.35E-04	9.13E-04	9.00E-04	3.24E-07	9.77E-07	5.66E-07	5.52E-07	5.01E-07	2.28E-07	2.25E-07	1.08E-08	2.61E-07	5.76E-08	7.50E-08	1.19E-07	2.10E-08	1.49E-08	5.59E-07	2.95E-07	1.25E-07	1.47E-07	5.79E-08	2.95E-07	1.25E-07
810	490736.72	3860535	9.69E-04	9.46E-04	9.33E-04	3.35E-07	1.01E-06	5.86E-07	5.72E-07	5.19E-07	2.37E-07	2.34E-07	1.12E-08	2.71E-07	5.97E-08	7.77E-08	1.23E-07	2.17E-08	1.54E-08	5.80E-07	3.06E-07	1.30E-07	1.53E-07	6.00E-08	3.06E-07	1.30E-07
811	490786.72	3860535	1.01E-03	9.84E-04	9.71E-04	3.49E-07	1.05E-06	6.10E-07	5.95E-07	5.40E-07	2.46E-07	2.43E-07	1.17E-08	2.81E-07	6.21E-08	8.08E-08	1.28E-07	2.26E-08	1.60E-08	6.03E-07	3.18E-07	1.35E-07	1.59E-07	6.24E-08	3.18E-07	1.35E-07
812	490136.72	3860585	6.75E-04	6.59E-04	6.50E-04	2.34E-07	7.06E-07	4.08E-07	3.99E-07	3.61E-07	1.65E-07	1.63E-07	7.80E-09	1.88E-07	4.16E-08	5.41E-08	8.58E-08	1.51E-08	1.07E-08	4.04E-07	2.13E-07	9.04E-08	1.06E-07	4.18E-08	2.13E-07	9.04E-08
813	490186.72	3860585	6.87E-04	6.71E-04	6.62E-04	2.38E-07	7.19E-07	4.16E-07	4.06E-07	3.68E-07	1.68E-07	1.66E-07	7.95E-09	1.92E-07	4.24E-08	5.51E-08	8.74E-08	1.54E-08	1.09E-08	4.11E-07	2.17E-07	9.21E-08	1.08E-07	4.25E-08	2.17E-07	9.21E-08
814	490236.72	3860585	7.02E-04	6.85E-04	6.76E-04	2.43E-07	7.34E-07	4.25E-07	4.15E-07	3.76E-07	1.72E-07	1.69E-07	8.12E-09	1.96E-07	4.33E-08	5.63E-08	8.93E-08	1.57E-08	1.12E-08	4.20E-07	2.22E-07	9.41E-08	1.11E-07	4.35E-08	2.22E-07	9.41E-08
815	490286.72	3860585	7.18E-04	7.00E-04	6.91E-04	2.48E-07	7.50E-07	4.34E-07	4.24E-07	3.84E-07	1.75E-07	1.73E-07	8.30E-09	2.00E-07	4.42E-08	5.75E-08	9.13E-08	1.61E-08	1.14E-08	4.29E-07	2.27E-07	9.61E-08	1.13E-07	4.44E-08	2.27E-07	9.61E-08
816	490336.72	3860585	7.34E-04	7.17E-04	7.07E-04	2.54E-07	7.68E-07	4.44E-07	4.34E-07	3.93E-07	1.79E-07	1.77E-07	8.49E-09	2.05E-07	4.52E-08	5.89E-08	9.34E-08	1.65E-08	1.17E-08	4.39E-07	2.32E-07	9.83E-08	1.16E-07	4.54E-08	2.32E-07	9.83E-08
817	490386.72	3860585	7.51E-04	7.33E-04	7.23E-04	2.60E-07	7.85E-07	4.54E-07	4.43E-07	4.02E-07	1.83E-07	1.81E-07	8.68E-09	2.10E-07	4.63E-08	6.02E-08	9.55E-08	1.68E-08	1.19E-08	4.49E-07	2.37E-07	1.01E-07	1.18E-07	4.65E-08	2.37E-07	1.01E-07
818	490436.72	3860585	7.70E-04	7.52E-04	7.42E-04	2.67E-07	8.05E-07	4.66E-07	4.55E-07	4.12E-07	1.88E-07	1.86E-07	8.91E-09	2.15E-07	4.75E-08	6.18E-08	9.80E-08	1.73E-08	1.22E-08	4.61E-07	2.43E-07	1.03E-07	1.21E-07	4.77E-08	2.43E-07	1.03E-07
819	490486.72	3860585	7.90E-04	7.71E-04	7.61E-04	2.74E-07	8.26E-07	4.78E-07	4.67E-07	4.23E-07	1.93E-07	1.90E-07	9.14E-09	2.21E-07	4.87E-08	6.34E-08	1.01E-07	1.77E-08	1.26E-08	4.73E-07	2.49E-07	1.06E-07	1.25E-07	4.89E-08	2.49E-07	1.06E-07
820	490536.72	3860585	8.12E-04	7.93E-04	7.82E-04	2.81E-07	8.49E-07	4.92E-07	4.80E-07	4.35E-07	1.98E-07	1.96E-07	9.39E-09	2.27E-07	5.01E-08	6.51E-08	1.03E-07	1.82E-08	1.29E-08	4.86E-07	2.56E-07	1.09E-07	1.28E-07	5.03E-08	2.56E-07	1.09E-07
821	490586.72	3860585	8.34E-04	8.14E-04	8.03E-04	2.89E-07	8.72E-07	5.05E-07	4.92E-07	4.46E-07	2.04E-07	2.01E-07	9.64E-09	2.33E-07	5.14E-08	6.68E-08	1.06E-07	1.87E-08	1.33E-08	4.99E-07	2.63E-07	1.12E-07	1.31E-07	5.16E-08	2.63E-07	1.12E-07
822	490636.72	3860585	8.59E-04	8.38E-04	8.27E-04	2.97E-07	8.98E-07	5.20E-07	5.07E-07	4.60E-07	2.10E-07	2.07E-07	9.93E-09	2.40E-07	5.29E-08	6.89E-08	1.09E-07	1.93E-08	1.37E-08	5.14E-07	2.71E-07	1.15E-07	1.35E-07	5.32E-08	2.71E-07	1.15E-07
823	490686.72	3860585	8.86E-04	8.65E-04	8.53E-04	3.07E-07	9.26E-07	5.36E-07	5.23E-07	4.74E-07	2.16E-07	2.14E-07	1.02E-08	2.47E-07	5.46E-08	7.10E-08	1.13E-07	1.99E-08	1.41E-08	5.30E-07	2.80E-07	1.19E-07	1.40E-07	5.48E-08	2.80E-07	1.19E-07
824	490736.72	3860585	9.16E-04	8.94E-04	8.82E-04	3.17E-07	9.58E-07	5.55E-07	5.41E-07	4.91E-07	2.24E-07	2.21E-07	1.06E-08	2.56E-07	5.65E-08	7.35E-08	1.17E-07	2.05E-08	1.46E-08	5.48E-07	2.89E-07	1.23E-07	1.44E-07	5.67E-08	2.89E-07	1.23E-07
825	490786.72	3860585	9.49E-04	9.26E-04	9.14E-04	3.29E-07	9.92E-07	5.74E-07	5.60E-07	5.08E-07	2.32E-07	2.29E-07	1.10E-08	2.65E-07	5.85E-08	7.61E-08	1.21E-07	2.13E-08	1.51E-08	5.68E-07	3.00E-07	1.27E-07	1.50E-07	5.87E-08	3.00E-07	1.27E-07
826	490136.72	3860635	6.50E-04	6.34E-04	6.26E-04	2.25E-07	6.80E-07	3.93E-07	3.84E-07	3.48E-07	1.59E-07	1.57E-07	7.51E-09	1.82E-07	4.01E-08	5.21E-08	8.27E-08	1.46E-08	1.03E-08	3.89E-07	2.05E-07	8.71E-08	1.02E-07	4.02E-08	2.05E-07	8.71E-08
827	490186.72	3860635	6.64E-04	6.48E-04	6.39E-04	2.30E-07	6.94E-07	4.02E-07	3.92E-07	3.55E-07	1.62E-07	1.60E-07	7.67E-09	1.85E-07	4.09E-08	5.32E-08	8.44E-08	1.49E-08	1.06E-08	3.97E-07	2.10E-07	8.89E-08	1.05E-07	4.11E-08	2.10E-07	8.89E-08
828	490236.72	3860635	6.77E-04	6.61E-04	6.52E-04	2.35E-07	7.08E-07	4.10E-07	4.00E-07	3.63E-07	1.65E-07	1.63E-07	7.83E-09	1.89E-07	4.17E-08	5.43E-08	8.62E-08	1.52E-08	1.08E-08	4.05E-07	2.14E-07	9.07E-08	1.07E-07	4.19E-08	2.14E-07	9.07E-08
829	490286.72	3860635	6.92E-04	6.75E-04	6.66E-04	2.39E-07	7.23E-07	4.18E-07	4.08E-07	3.70E-07	1.69E-07	1.67E-07	7.99E-09	1.93E-07	4.26E-08	5.54E-08	8.80E-08	1.55E-08	1.10E-08	4.14E-07	2.18E-07	9.26E-08	1.09E-07	4.28E-08	2.18E-07	9.26E-08
830	490336.72	3860635	7.07E-04	6.90E-04	6.81E-04	2.45E-07	7.39E-07	4.28E-07	4.17E-07	3.78E-07	1.73E-07	1.70E-07	8.17E-09	1.97E-07	4.36E-08	5.67E-08	8.99E-08	1.58E-08	1.12E-08	4.23E-07	2.23E-07	9.47E-08	1.11E-07	4.38E-08	2.23E-07	9.47E-08
831	490386.72	3860635	7.23E-04	7.06E-04	6.96E-04	2.50E-07	7.56E-07	4.38E-07	4.27E-07	3.87E-07	1.77E-07	1.74E-07	8.36E-09	2.02E-07	4.46E-08	5.80E-08	9.20E-08	1.62E-08	1.15E-08	4.32E-07	2.28E-07	9.68E-08	1.14E-07	4.48E-08	2.28E-07	9.68E-08
832	490436.72	3860635	7.40E-04	7.22E-04	7.13E-04	2.56E-07	7.74E-07	4.48E-07	4.37E-07	3.96E-07	1.81E-07	1.78E-07	8.56E-09	2.07E-07	4.56E-08	5.93E-08	9.41E-08	1.66E-08	1.18E-08	4.43E-07	2.34E-07	9.91E-08	1.17E-07	4.58E-08	2.34E-07	9.91E-08
833	490486.72	3860635	7.59E-04	7.40E-04	7.31E-04	2.63E-07	7.93E-07	4.59E-07	4.48E-07	4.06E-07	1.85E-07	1.83E-07	8.77E-09	2.12E-07	4.68E-08	6.08E-08	9.65E-08	1.70E-08	1.21E-08	4.54E-07	2.39E-07	1.02E-07	1.20E-07	4.70E-08	2.39E-07	1.02E-07
834	490536.72	3860635	7.79E-04	7.60E-04	7.50E-04	2.70E-07	8.14E-07	4.71E-07	4.60E-07	4.17E-07	1.90E-07	1.88E-07	9.00E-09	2.17E-07	4.80E-08	6.24E-08	9.90E-08	1.75E-08	1.24E-08	4.66E-07	2.46E-07	1.04E-07	1.23E-07	4.82E-08	2.46E-07	1.04E-07
835	490586.72	3860635	7.99E-04	7.80E-04	7.69E-04	2.77E-07	8.35E-07	4.83E-07	4.72E-07	4.28E-07	1.95E-07	1.93E-07	9.24E-09	2.23E-07	4.92E-08	6.41E-08	1.02E-07	1.79E-08	1.27E-08	4.78E-07	2.52E-07	1.07E-07	1.26E-07	4.95E-08	2.52E-07	1.07E-07
836	490636.72	3860635	8.21E-04	8.02E-04	7.91E-04	2.84E-07	8.59E-07	4.97E-07	4.85E-07	4.40E-07	2.01E-07	1.98E-07	9.50E-09	2.29E-07	5.06E-08	6.59E-08	1.04E-07	1.84E-08	1.31E-08	4.91E-07	2.59E-07	1.10E-07	1.29E-07	5.08E-08	2.59E-07	1.10E-07
837	490686.72	3860635	8.46E-04	8.25E-04	8.14E-04	2.93E-07	8.84E-07	5.12E-07	4.99E-07	4.53E-07	2.06E-07	2.04E-07	9.77E-09	2.36E-07	5.21E-08	6.78E-08	1.08E-07	1.90E-08	1.34E-08	5.06E-07	2.67E-07	1.13E-07	1.33E-07	5.23E-08	2.67E-07	1.13E-07
838	490736.72	3860635	8.72E-04	8.51E-04	8.39E-04	3.02E-07	9.11E-07	5.27E-07	5.15E-07	4.67E-07	2.13E-07	2.10E-07	1.01E-08	2.43E-07	5.37E-08	6.99E-08	1.11E-07	1.95E-08	1.39E-08	5.21E-07	2.75E-07	1.17E-07	1.37E-07	5.39E-08	2.75E-07	1.17E-07
839	490786.72	3860635	9.01E-04	8.79E-04	8.67E-04	3.12E-07	9.41E-07	5.45E-07	5.32E-07	4.82E-07	2.20E-07	2.17E-07	1.04E-08	2.51E-07	5.55E-08	7.22E-08	1.15E-07	2.02E-08	1.43E-08	5.39E-07	2.84E-07	1.21E-07	1.42E-07	5.57E-08	2.84E-07	1.21E-07
840	490136.72	3860685	6.26E-04	6.11E-04	6.03E-04	2.17E-07	6.54E-07	3.79E-07	3.70E-07	3.35E-07	1.53E-07	1.51E-07	7.24E-09	1.75E-07	3.86E-08	5.02E-08	7.96E-08	1.40E-08	9.95E-09	3.74E-07	1.98E-07	8.38E-08	9.86E-08	3.87E-08	1.98E-07	8.38E-08
841	490186.72	3860685	6.38E-04	6.23E-04	6.15E-04	2.21E-07	6.67E-07	3.86E-07	3.77E-07	3.42E-07	1.56E-07	1.54E-07	7.38E-09	1.78E-07	3.93E-08	5.12E-08	8.12E-08	1.43E-08	1.01E-08	3.82E-07	2.02E-07	8.55E-08	1.01E-07	3.95E-08	2.02E-07	8.55E-08
842	490236.72	3860685	6.52E-04	6.36E-04	6.28E-04	2.26E-07	6.82E-07	3.95E-07	3.85E-07	3.49E-07	1.59E-07	1.57E-07	7.54E-09	1.82E-07	4.02E-08	5.23E-08	8.29E-08	1.46E-08	1.04E-08	3.90E-07	2.06E-07	8.73E-08	1.03E-07	4.04E-08	2.06E-07	8.73E-08
843	490286.72	3860685	6.65E-04	6.49E-04	6.41E-04	2.30E-07	6.96E-07	4.03E-07	3.93E-07	3.56E-07	1.63E-07	1.60E-07	7.69E-09	1.86E-07	4.10E-08	5.33E-08	8.46E-08	1.49E-08	1.06E-08	3.98E-07	2.10E-07	8.91E-08	1.05E-07	4.12E-08	2.10E-07	8.91E-08
844	490336.72	3860685	6.80E-04	6.64E-04	6.55E-04	2.36E-07	7.11E-07	4.12E-07	4.02E-07	3.64E-07	1.66E-07	1.64E-07	7.87E-09	1.90E-07	4.19E-08	5.45E-08	8.65E-08	1.52E-08	1.08E-08	4.07E-07	2.15E-07	9.11E-08	1.07E-07	4.21E-08	2.15E-07	9.11E-08
845	490386.72	3860685	6.96E-04	6.79E-04	6.70E-04	2.41E-07	7.27E-07	4.21E-07	4.11E-07	3.72E-07	1.70E-07	1.68E-07	8.04E-09	1.94E-07	4.29E-08	5.58E-08	8.85E-08	1.56E-08	1.11E-08	4.16E-07	2.20E-07	9.32E-08	1.10E-07	4.31E-08	2.20E-07	9.32E-08
846	490436.72	3860685	7.12E-04	6.94E-04	6.85E-04	2.46E-07	7.44E-07	4.31E-07	4.20E-07	3.81E-07	1.74E-07	1.71E-07	8.22E-09	1.99E-07	4.38E-08	5.70E-08	9.05E-08	1.59E-08	1.13E-08	4.26E-07	2.25E-07	9.53E-08	1.12E-07	4.40E-08	2.25E-07	9.53E-08
847	490486.72	3860685	7.29E-04	7.11E-04	7.02E-04	2.52E-07	7.62E-07	4.41E-07	4.30E-07	3.90E-07	1.78E-07	1.76E-07	8.43E-09	2.04E-07	4.49E-08	5.84E-08	9.27E-08	1.63E-08	1.16E-08	4.36E-07	2.30E-07	9.76E-08	1.15E-07	4.51E-08	2.30E-07	9.76E-08
848	490536.72	3860685	7.47E-04	7.29E-04	7.19E-04	2.59E-07	7.81E-07	4.52E-07	4.41E-07	4.00E-07	1.82E-07	1.80E-07	8.64E-09	2.09E-07	4.60E-08	5.99E-08	9.50E-08	1.67E-08	1.19E-08	4.47E-07	2.36E-07	1.00E-07	1.18E-07	4.62E-08	2.36E-07	1.00E-07
849	490586.72	3860685	7.67E-04	7.48E-04	7.38E-04	2.65E-07	8.01E-07	4.64E-07	4.53E-07	4.10E-07	1.87E-07	1.85E-07	8.86E-09	2.14E-07	4.72E-08	6.15E-08	9.75E-08	1.72E-08	1.22E-08	4.59E-07	2.42E-07	1.03E-07	1.21E-07	4.74E-08	2.42E-07	1.03E-07
850	490636.72	3860685	7.88E-04	7.69E-04	7.59E-04	2.73E-07	8.23E-07	4.77E-07	4.65E-07	4.22E-07	1.92E-07	1.90E-07	9.11E-09	2.20E-07	4.85E-08	6.32E-08	1.00E-07	1.77E-08	1.25E-08	4.71E-07	2.49E-07	1.06E-07	1.24E-07	4.88E-08	2.49E-07	1.06E-07
851	490686.72	3860685	8.10E-04	7.91E-04	7.80E-04	2.80E-07	8.47E-07	4.90E-07	4.78E-07	4.34E-07	1.98E-07	1.95E-07	9.37E-09	2.26E-07	4.99E-08	6.50E-08	1.03E-07	1.82E-08	1.29E-08	4.85E-07	2.56E-07	1.09E-07	1.28E-07	5.01E-08	2.56E-07	1.09E-07
852	490736.72	3860685	8.34E-04	8.14E-04	8.03E-04	2.89E-07	8.72E-07	5.05E-07	4.92E-07	4.46E-07	2.04E-07	2.01E-07	9.64E-09	2.33E-07	5.14E-08	6.68E-08	1.06E-07	1.87E-08	1.33E-08	4.99E-07	2.63E-07	1.12E-07	1.31E-07	5.16E-08	2.63E-07	1.12E-07
853	490786.72	3860685	8.60E-04	8.39E-04	8.28E-04	2.98E-07	8.99E-07	5.20E-07	5.08E-07	4.60E-07	2.10E-07	2.07E-07	9.94E-09	2.40E-07	5.30E-08	6.89E-08	1.09E-07	1.93E-08	1.37E-08	5.14E-07	2.71E-07	1.15E-07	1.35E-07	5.32E-08	2.71E-07	1.15E-07
854	490136.72	3860735	6.02E-04	5.87E-04	5.79E-04	2.08E-07	6.29E-07	3.64E-07	3.55E-07	3.22E-07	1.47E-07	1.45E-07	6.95E-09	1.68E-07	3.71E-08	4.82E-08	7.65E-08	1.35E-08	9.56E-09	3.60E-07	1.90E-07	8.06E-08	9.48E-08	3.72E-08	1.90E-07	8.06E-08
855	490186.72	3860735	6.13E-04	5.98E-04	5.90E-04	2.12E-07	6.41E-07	3.71E-07	3.62E-07	3.28E-07	1.50E-07	1.48E-07	7.09E-09	1.71E-07	3.78E-08	4.92E-08	7.80E-08	1.37E-08	9.75E-09	3.67E-07	1.94E-07	8.21E-08	9.66E-08	3.79E-08	1.94E-07	8.21E-08
856	490236.72	3860735	6.26E-04	6.11E-04	6.03E-04	2.17E-07	6.54E-07	3.79E-07	3.70E-07	3.35E-07	1.53E-07	1.51E-07	7.24E-09	1.75E-07	3.86E-08	5.02E-08	7.96E-08	1.40E-08	9.95E-09	3.74E-07	1.98E-07	8.38E-08	9.86E-08	3.87E-08	1.98E-07	8.38E-08
857	490286.72	3860735	6.39E-04	6.24E-04	6.16E-04	2.21E-07	6.68E-07	3.87E-07	3.77E-07	3.42E-07	1.56E-07	1.54E-07	7.39E-09	1.79E-07	3.94E-08	5.13E-08	8.13E-08	1.43E-08	1.02E-08	3.82E-07	2.02E-07	8.56E-08	1.01E-07	3.96E-08	2.02E-07	8.56E-08
858	490336.72	3860735	6.53E-04	6.38E-04	6.29E-04	2.26E-07	6.83E-07	3.95E-07	3.86E-07	3.50E-07	1.60E-07	1.57E-07	7.55E-09	1.82E-07	4.03E-08	5.24E-08	8.31E-08	1.46E-08	1.04E-08	3.91E-07	2.06E-07	8.75E-08	1.03E-07	4.04E-08	2.06E-07	8.75E-08
859	490386.72	3860735	6.68E-04	6.52E-04	6.44E-04	2.31E-07	6.99E-07	4.04E-07	3.95E-07	3.58E-07	1.63E-07	1.61E-07	7.73E-09	1.87E-07	4.12E-08	5.36E-08	8.50E-08	1.50E-08	1.06E-08	4.00E-07	2.11E-07	8.95E-08	1.05E-07	4.14E-08	2.11E-07	8.95E-08
860	490436.72	3860735	6.85E-04	6.68E-04	6.59E-04	2.37E-07	7.15E-07	4.14E-07	4.04E-07	3.66E-07	1.67E-07	1.65E-07	7.91E-09	1.91E-07	4.22E-08	5.49E-08	8.71E-08	1.53E-08	1.09E-08	4.09E-07	2.16E-07	9.17E-08	1.08E-07	4.24E-08	2.16E-07	9.17E-08
861	490486.72	3860735	7.01E-04	6.84E-04	6.75E-04	2.43E-07	7.32E-07	4.24E-07	4.14E-07	3.75E-07	1.71E-07	1.69E-07	8.10E-09	1.96E-07	4.32E-08	5.62E-08	8.91E-08	1.57E-08	1.11E-08	4.19E-07	2.21E-07	9.38E-08	1.10E-07	4.34E-08	2.21E-07	9.38E-08
862	490536.72	3860735	7.17E-04	7.00E-04	6.90E-04	2.48E-07	7.49E-07	4.34E-07	4.23E-07	3.84E-07	1.75E-07	1.73E-07	8.29E-09	2.00E-07	4.42E-08	5.75E-08	9.12E-08	1.61E-08	1.14E-08	4.29E-07	2.26E-07	9.60E-08	1.13E-07	4.44E-08	2.26E-07	9.60E-08
863	490586.72	3860735	7.35E-04	7.17E-04	7.08E-04	2.54E-07	7.68E-07	4.45E-07	4.34E-07	3.93E-07	1.80E-07	1.77E-07	8.50E-09	2.05E-07	4.53E-08	5.89E-08	9.35E-08	1.65E-08	1.17E-08	4.40E-07	2.32E-07	9.84E-08	1.16E-07	4.55E-08	2.32E-07	9.84E-08
864	490636.72	3860735	7.55E-04	7.36E-04	7.27E-04	2.61E-07	7.89E-07	4.57E-07	4.46E-07	4.04E-07	1.84E-07	1.82E-07	8.72E-09	2.11E-07	4.65E-08	6.05E-08	9.60E-08	1.69E-08	1.20E-08	4.51E-07	2.38E-07	1.01E-07	1.19E-07	4.67E-08	2.38E-07	1.01E-07
865	490686.72	3860735	7.76E-04	7.57E-04	7.47E-04	2.69E-07	8.11E-07	4.70E-07	4.58E-07	4.15E-07	1.90E-07	1.87E-07	8.97E-09	2.17E-07	4.78E-08	6.22E-08	9.87E-08	1.74E-08	1.23E-08	4.64E-07	2.45E-07	1.04E-07	1.22E-07	4.80E-08	2.45E-07	1.04E-07
866	490736.72	3860735	7.99E-04	7.80E-04	7.69E-04	2.77E-07	8.35E-07	4.83E-07	4.72E-07	4.28E-07	1.95E-07	1.93E-07	9.24E-09	2.23E-07	4.92E-08	6.41E-08	1.02E-07	1.79E-08	1.27E-08	4.78E-07	2.52E-07	1.07E-07	1.26E-07	4.95E-08	2.52E-07	1.07E-07
867	490136.72	3860785	5.77E-04	5.63E-04	5.56E-04	2.00E-07	6.03E-07	3.49E-07	3.41E-07	3.09E-07	1.41E-07	1.39E-07	6.67E-09	1.61E-07	3.56E-08	4.63E-08	7.34E-08	1.29E-08	9.17E-09	3.45E-07	1.82E-07	7.73E-08	9.09E-08	3.57E-08	1.82E-07	7.73E-08
868	490186.72	3860785	5.89E-04	5.74E-04	5.67E-04	2.04E-07	6.15E-07	3.56E-07	3.48E-07	3.15E-07	1.44E-07	1.42E-07	6.81E-09	1.64E-07	3.63E-08	4.72E-08	7.49E-08	1.32E-08	9.36E-09	3.52E-07	1.86E-07	7.88E-08	9.27E-08	3.64E-08	1.86E-07	7.88E-08
869	490236.72	3860785	6.01E-04	5.86E-04	5.78E-04	2.08E-07	6.28E-07	3.63E-07	3.55E-07	3.22E-07	1.47E-07	1.45E-07	6.94E-09	1.68E-07	3.70E-08	4.82E-08	7.64E-08	1.35E-08	9.55E-09	3.59E-07	1.90E-07	8.04E-08	9.46E-08	3.72E-08	1.90E-07	8.04E-08
870	490286.72	3860785	6.13E-04	5.98E-04	5.90E-04	2.12E-07	6.41E-07	3.71E-07	3.62E-07	3.28E-07	1.50E-07	1.48E-07	7.09E-09	1.71E-07	3.78E-08	4.92E-08	7.80E-08	1.37E-08	9.75E-09	3.67E-07	1.94E-07	8.21E-08	9.66E-08	3.79E-08	1.94E-07	8.21E-08
871	490336.72	3860785	6.27E-04	6.12E-04	6.04E-04	2.17E-07	6.55E-07	3.79E-07	3.70E-07	3.36E-07	1.53E-07	1.51E-07	7.25E-09	1.75E-07	3.86E-08	5.03E-08	7.97E-08	1.40E-08	9.96E-09	3.75E-07	1.98E-07	8.39E-08	9.88E-08	3.88E-08	1.98E-07	8.39E-08
872	490386.72	3860785	6.41E-04	6.25E-04	6.17E-04	2.22E-07	6.70E-07	3.88E-07	3.78E-07	3.43E-07	1.57E-07	1.54E-07	7.41E-09	1.79E-07	3.95E-08	5.14E-08	8.15E-08	1.44E-08	1.02E-08	3.83E-07	2.02E-07	8.58E-08	1.01E-07	3.97E-08	2.02E-07	8.58E-08
873	490436.72	3860785	6.56E-04	6.40E-04	6.32E-04	2.27E-07	6.86E-07	3.97E-07	3.87E-07	3.51E-07	1.60E-07	1.58E-07	7.58E-09	1.83E-07	4.04E-08	5.26E-08	8.34E-08	1.47E-08	1.04E-08	3.92E-07	2.07E-07	8.78E-08	1.03E-07	4.06E-08	2.07E-07	8.78E-08
874	490486.72	3860785	6.72E-04	6.56E-04	6.47E-04	2.33E-07	7.02E-07	4.07E-07	3.97E-07	3.60E-07	1.64E-07	1.62E-07	7.77E-09	1.88E-07	4.14E-08	5.39E-08	8.55E-08	1.51E-08	1.07E-08	4.02E-07	2.12E-07	9.00E-08	1.06E-07	4.16E-08	2.12E-07	9.00E-08
875	490536.72	3860785	6.88E-04	6.71E-04	6.62E-04	2.38E-07	7.19E-07	4.16E-07	4.06E-07	3.68E-07	1.68E-07	1.66E-07	7.95E-09	1.92E-07	4.24E-08	5.51E-08	8.75E-08	1.54E-08	1.09E-08	4.11E-07	2.17E-07	9.21E-08	1.08E-07	4.26E-08	2.17E-07	9.21E-08
876	490586.72	3860785	7.04E-04	6.87E-04	6.78E-04	2.44E-07	7.36E-07	4.26E-07	4.16E-07	3.77E-07	1.72E-07	1.70E-07	8.14E-09	1.97E-07	4.34E-08	5.65E-08	8.96E-08	1.58E-08	1.12E-08	4.21E-07	2.22E-07	9.43E-08	1.11E-07	4.36E-08	2.22E-07	9.43E-08
877	490636.72	3860785	7.23E-04	7.05E-04	6.96E-04	2.50E-07	7.55E-07	4.37E-07	4.27E-07	3.87E-07	1.77E-07	1.74E-07	8.35E-09	2.02E-07	4.45E-08	5.79E-08	9.19E-08	1.62E-08	1.15E-08	4.32E-07	2.28E-07	9.68E-08	1.14E-07	4.47E-08	2.28E-07	9.68E-08
878	490686.72	3860785	7.42E-04	7.24E-04	7.15E-04	2.57E-07	7.76E-07	4.49E-07	4.38E-07	3.97E-07	1.81E-07	1.79E-07	8.58E-09	2.07E-07	4.57E-08	5.95E-08	9.44E-08	1.66E-08	1.18E-08	4.44E-07	2.34E-07	9.94E-08	1.17E-07	4.59E-08	2.34E-07	9.94E-08
879	490736.72	3860785	7.64E-04	7.46E-04	7.36E-04	2.65E-07	7.99E-07	4.62E-07	4.51E-07	4.09E-07	1.87E-07	1.84E-07	8.83E-09	2.13E-07	4.71E-08	6.13E-08	9.72E-08	1.71E-08	1.21E-08	4.57E-07	2.41E-07	1.02E-07	1.20E-07	4.73E-08	2.41E-07	1.02E-07
880	490086.72	3860835	5.44E-04	5.31E-04	5.24E-04	1.88E-07	5.69E-07	3.29E-07	3.21E-07	2.91E-07	1.33E-07	1.31E-07	6.29E-09	1.52E-07	3.35E-08	4.36E-08	6.92E-08	1.22E-08	8.65E-09	3.26E-07	1.72E-07	7.29E-08	8.57E-08	3.37E-08	1.72E-07	7.29E-08
881	490136.72	3860835	5.55E-04	5.42E-04	5.34E-04	1.92E-07	5.80E-07	3.36E-07	3.28E-07	2.97E-07	1.36E-07	1.34E-07	6.42E-09	1.55E-07	3.42E-08	4.45E-08	7.06E-08	1.24E-08	8.82E-09	3.32E-07	1.75E-07	7.43E-08	8.74E-08	3.44E-08	1.75E-07	7.43E-08

882	490186.72	3860835	5.65E-04	5.52E-04	5.44E-04	1.96E-07	5.91E-07	3.42E-07	3.34E-07	3.03E-07	1.38E-07	1.36E-07	6.54E-09	1.58E-07	3.48E-08	4.53E-08	7.19E-08	1.27E-08	8.99E-09	3.38E-07	1.78E-07	7.57E-08	8.91E-08	3.50E-08	1.78E-07	7.57E-08
883	490236.72	3860835	5.77E-04	5.63E-04	5.56E-04	2.00E-07	6.03E-07	3.49E-07	3.41E-07	3.09E-07	1.41E-07	1.39E-07	6.67E-09	1.61E-07	3.56E-08	4.63E-08	7.34E-08	1.29E-08	9.17E-09	3.45E-07	1.82E-07	7.73E-08	9.09E-08	3.57E-08	1.82E-07	7.73E-08
884	490286.72	3860835	5.89E-04	5.75E-04	5.67E-04	2.04E-07	6.16E-07	3.56E-07	3.48E-07	3.15E-07	1.44E-07	1.42E-07	6.81E-09	1.64E-07	3.63E-08	4.72E-08	7.49E-08	1.32E-08	9.36E-09	3.52E-07	1.86E-07	7.89E-08	9.28E-08	3.65E-08	1.86E-07	7.89E-08
885	490336.72	3860835	6.01E-04	5.87E-04	5.79E-04	2.08E-07	6.28E-07	3.64E-07	3.55E-07	3.22E-07	1.47E-07	1.45E-07	6.95E-09	1.68E-07	3.70E-08	4.82E-08	7.64E-08	1.35E-08	9.56E-09	3.60E-07	1.90E-07	8.05E-08	9.47E-08	3.72E-08	1.90E-07	8.05E-08
886	490386.72	3860835	6.14E-04	6.00E-04	5.92E-04	2.13E-07	6.42E-07	3.72E-07	3.63E-07	3.29E-07	1.50E-07	1.48E-07	7.10E-09	1.72E-07	3.79E-08	4.93E-08	7.81E-08	1.38E-08	9.77E-09	3.67E-07	1.94E-07	8.23E-08	9.68E-08	3.80E-08	1.94E-07	8.23E-08
887	490436.72	3860835	6.29E-04	6.13E-04	6.05E-04	2.18E-07	6.57E-07	3.80E-07	3.71E-07	3.36E-07	1.54E-07	1.51E-07	7.27E-09	1.76E-07	3.87E-08	5.04E-08	7.99E-08	1.41E-08	9.99E-09	3.76E-07	1.98E-07	8.42E-08	9.90E-08	3.89E-08	1.98E-07	8.42E-08
888	490486.72	3860835	6.43E-04	6.28E-04	6.19E-04	2.23E-07	6.72E-07	3.89E-07	3.80E-07	3.44E-07	1.57E-07	1.55E-07	7.43E-09	1.80E-07	3.96E-08	5.16E-08	8.18E-08	1.44E-08	1.02E-08	3.85E-07	2.03E-07	8.61E-08	1.01E-07	3.98E-08	2.03E-07	8.61E-08
889	490536.72	3860835	6.59E-04	6.43E-04	6.34E-04	2.28E-07	6.89E-07	3.99E-07	3.89E-07	3.53E-07	1.61E-07	1.59E-07	7.62E-09	1.84E-07	4.06E-08	5.28E-08	8.38E-08	1.48E-08	1.05E-08	3.94E-07	2.08E-07	8.82E-08	1.04E-07	4.08E-08	2.08E-07	8.82E-08
890	490586.72	3860835	6.75E-04	6.58E-04	6.50E-04	2.34E-07	7.05E-07	4.08E-07	3.98E-07	3.61E-07	1.65E-07	1.63E-07	7.80E-09	1.88E-07	4.16E-08	5.41E-08	8.58E-08	1.51E-08	1.07E-08	4.03E-07	2.13E-07	9.03E-08	1.06E-07	4.17E-08	2.13E-07	9.03E-08
891	490636.72	3860835	6.92E-04	6.75E-04	6.66E-04	2.39E-07	7.23E-07	4.18E-07	4.08E-07	3.70E-07	1.69E-07	1.67E-07	7.99E-09	1.93E-07	4.26E-08	5.54E-08	8.80E-08	1.55E-08	1.10E-08	4.14E-07	2.18E-07	9.26E-08	1.09E-07	4.28E-08	2.18E-07	9.26E-08
892	490686.72	3860835	7.10E-04	6.93E-04	6.83E-04	2.46E-07	7.42E-07	4.30E-07	4.19E-07	3.80E-07	1.73E-07	1.71E-07	8.21E-09	1.98E-07	4.37E-08	5.69E-08	9.03E-08	1.59E-08	1.13E-08	4.25E-07	2.24E-07	9.51E-08	1.12E-07	4.39E-08	2.24E-07	9.51E-08
893	490736.72	3860835	7.31E-04	7.13E-04	7.03E-04	2.53E-07	7.64E-07	4.42E-07	4.31E-07	3.91E-07	1.78E-07	1.76E-07	8.45E-09	2.04E-07	4.50E-08	5.86E-08	9.29E-08	1.64E-08	1.16E-08	4.37E-07	2.31E-07	9.78E-08	1.15E-07	4.52E-08	2.31E-07	9.78E-08
894	490086.72	3860885	5.25E-04	5.13E-04	5.06E-04	1.82E-07	5.49E-07	3.18E-07	3.10E-07	2.81E-07	1.28E-07	1.27E-07	6.07E-09	1.47E-07	3.24E-08	4.21E-08	6.68E-08	1.18E-08	8.35E-09	3.14E-07	1.66E-07	7.03E-08	8.27E-08	3.25E-08	1.66E-07	7.03E-08
895	490136.72	3860885	5.35E-04	5.22E-04	5.15E-04	1.85E-07	5.59E-07	3.24E-07	3.16E-07	2.86E-07	1.31E-07	1.29E-07	6.19E-09	1.49E-07	3.30E-08	4.29E-08	6.81E-08	1.20E-08	8.51E-09	3.20E-07	1.69E-07	7.17E-08	8.43E-08	3.31E-08	1.69E-07	7.17E-08
896	490186.72	3860885	5.45E-04	5.32E-04	5.25E-04	1.89E-07	5.70E-07	3.30E-07	3.22E-07	2.92E-07	1.33E-07	1.31E-07	6.30E-09	1.52E-07	3.36E-08	4.37E-08	6.93E-08	1.22E-08	8.67E-09	3.26E-07	1.72E-07	7.30E-08	8.59E-08	3.37E-08	1.72E-07	7.30E-08
897	490236.72	3860885	5.56E-04	5.42E-04	5.35E-04	1.92E-07	5.81E-07	3.36E-07	3.28E-07	2.97E-07	1.36E-07	1.34E-07	6.42E-09	1.55E-07	3.42E-08	4.45E-08	7.06E-08	1.25E-08	8.83E-09	3.32E-07	1.75E-07	7.44E-08	8.75E-08	3.44E-08	1.75E-07	7.44E-08
898	490286.72	3860885	5.66E-04	5.53E-04	5.45E-04	1.96E-07	5.92E-07	3.43E-07	3.34E-07	3.03E-07	1.38E-07	1.36E-07	6.55E-09	1.58E-07	3.49E-08	4.54E-08	7.20E-08	1.27E-08	9.00E-09	3.39E-07	1.79E-07	7.58E-08	8.92E-08	3.50E-08	1.79E-07	7.58E-08
899	490336.72	3860885	5.78E-04	5.64E-04	5.56E-04	2.00E-07	6.04E-07	3.49E-07	3.41E-07	3.09E-07	1.41E-07	1.39E-07	6.68E-09	1.61E-07	3.56E-08	4.63E-08	7.34E-08	1.29E-08	9.18E-09	3.45E-07	1.82E-07	7.73E-08	9.10E-08	3.57E-08	1.82E-07	7.73E-08
900	490386.72	3860885	5.90E-04	5.76E-04	5.68E-04	2.04E-07	6.17E-07	3.57E-07	3.48E-07	3.16E-07	1.44E-07	1.42E-07	6.82E-09	1.65E-07	3.63E-08	4.73E-08	7.50E-08	1.32E-08	9.38E-09	3.53E-07	1.86E-07	7.90E-08	9.29E-08	3.65E-08	1.86E-07	7.90E-08
901	490436.72	3860885	6.03E-04	5.88E-04	5.80E-04	2.09E-07	6.30E-07	3.65E-07	3.56E-07	3.23E-07	1.47E-07	1.45E-07	6.97E-09	1.68E-07	3.71E-08	4.83E-08	7.67E-08	1.35E-08	9.58E-09	3.61E-07	1.90E-07	8.07E-08	9.50E-08	3.73E-08	1.90E-07	8.07E-08
902	490486.72	3860885	6.17E-04	6.02E-04	5.94E-04	2.13E-07	6.44E-07	3.73E-07	3.64E-07	3.30E-07	1.51E-07	1.49E-07	7.13E-09	1.72E-07	3.80E-08	4.94E-08	7.84E-08	1.38E-08	9.80E-09	3.69E-07	1.95E-07	8.26E-08	9.71E-08	3.82E-08	1.95E-07	8.26E-08
903	490536.72	3860885	6.31E-04	6.16E-04	6.08E-04	2.18E-07	6.60E-07	3.82E-07	3.73E-07	3.38E-07	1.54E-07	1.52E-07	7.29E-09	1.76E-07	3.89E-08	5.06E-08	8.02E-08	1.41E-08	1.00E-08	3.77E-07	1.99E-07	8.45E-08	9.94E-08	3.91E-08	1.99E-07	8.45E-08
904	490586.72	3860885	6.46E-04	6.30E-04	6.22E-04	2.24E-07	6.75E-07	3.91E-07	3.81E-07	3.46E-07	1.58E-07	1.56E-07	7.47E-09	1.80E-07	3.98E-08	5.18E-08	8.21E-08	1.45E-08	1.03E-08	3.86E-07	2.04E-07	8.65E-08	1.02E-07	4.00E-08	2.04E-07	8.65E-08
905	490636.72	3860885	6.61E-04	6.45E-04	6.37E-04	2.29E-07	6.91E-07	4.00E-07	3.90E-07	3.54E-07	1.62E-07	1.59E-07	7.64E-09	1.85E-07	4.07E-08	5.30E-08	8.41E-08	1.48E-08	1.05E-08	3.95E-07	2.09E-07	8.86E-08	1.04E-07	4.09E-08	2.09E-07	8.86E-08
906	490686.72	3860885	6.78E-04	6.62E-04	6.53E-04	2.35E-07	7.09E-07	4.10E-07	4.01E-07	3.63E-07	1.66E-07	1.63E-07	7.84E-09	1.89E-07	4.18E-08	5.44E-08	8.63E-08	1.52E-08	1.08E-08	4.06E-07	2.14E-07	9.08E-08	1.07E-07	4.20E-08	2.14E-07	9.08E-08
907	490736.72	3860885	6.97E-04	6.80E-04	6.71E-04	2.41E-07	7.29E-07	4.22E-07	4.12E-07	3.73E-07	1.70E-07	1.68E-07	8.06E-09	1.95E-07	4.29E-08	5.59E-08	8.86E-08	1.56E-08	1.11E-08	4.17E-07	2.20E-07	9.33E-08	1.10E-07	4.31E-08	2.20E-07	9.33E-08
908	490086.72	3860935	5.07E-04	4.95E-04	4.89E-04	1.76E-07	5.30E-07	3.07E-07	3.00E-07	2.72E-07	1.24E-07	1.22E-07	5.87E-09	1.42E-07	3.13E-08	4.07E-08	6.45E-08	1.14E-08	8.07E-09	3.03E-07	1.60E-07	6.79E-08	7.99E-08	3.14E-08	1.60E-07	6.79E-08
909	490136.72	3860935	5.17E-04	5.04E-04	4.97E-04	1.79E-07	5.40E-07	3.13E-07	3.05E-07	2.76E-07	1.26E-07	1.24E-07	5.97E-09	1.44E-07	3.18E-08	4.14E-08	6.57E-08	1.16E-08	8.21E-09	3.09E-07	1.63E-07	6.92E-08	8.14E-08	3.20E-08	1.63E-07	6.92E-08
910	490186.72	3860935	5.26E-04	5.13E-04	5.06E-04	1.82E-07	5.49E-07	3.18E-07	3.10E-07	2.81E-07	1.28E-07	1.27E-07	6.08E-09	1.47E-07	3.24E-08	4.21E-08	6.68E-08	1.18E-08	8.36E-09	3.14E-07	1.66E-07	7.04E-08	8.28E-08	3.25E-08	1.66E-07	7.04E-08
911	490236.72	3860935	5.36E-04	5.23E-04	5.16E-04	1.85E-07	5.60E-07	3.24E-07	3.16E-07	2.87E-07	1.31E-07	1.29E-07	6.19E-09	1.50E-07	3.30E-08	4.29E-08	6.81E-08	1.20E-08	8.51E-09	3.20E-07	1.69E-07	7.17E-08	8.44E-08	3.31E-08	1.69E-07	7.17E-08
912	490286.72	3860935	5.46E-04	5.33E-04	5.26E-04	1.89E-07	5.71E-07	3.30E-07	3.22E-07	2.92E-07	1.33E-07	1.32E-07	6.31E-09	1.52E-07	3.36E-08	4.38E-08	6.94E-08	1.22E-08	8.68E-09	3.27E-07	1.72E-07	7.31E-08	8.60E-08	3.38E-08	1.72E-07	7.31E-08
913	490336.72	3860935	5.56E-04	5.43E-04	5.36E-04	1.93E-07	5.82E-07	3.37E-07	3.28E-07	2.98E-07	1.36E-07	1.34E-07	6.43E-09	1.55E-07	3.43E-08	4.46E-08	7.08E-08	1.25E-08	8.84E-09	3.33E-07	1.76E-07	7.45E-08	8.76E-08	3.44E-08	1.76E-07	7.45E-08
914	490386.72	3860935	5.68E-04	5.54E-04	5.46E-04	1.96E-07	5.93E-07	3.43E-07	3.35E-07	3.04E-07	1.39E-07	1.37E-07	6.56E-09	1.58E-07	3.50E-08	4.55E-08	7.22E-08	1.27E-08	9.02E-09	3.39E-07	1.79E-07	7.60E-08	8.94E-08	3.51E-08	1.79E-07	7.60E-08
915	490436.72	3860935	5.80E-04	5.66E-04	5.58E-04	2.01E-07	6.06E-07	3.51E-07	3.42E-07	3.10E-07	1.42E-07	1.40E-07	6.70E-09	1.62E-07	3.57E-08	4.65E-08	7.38E-08	1.30E-08	9.22E-09	3.47E-07	1.83E-07	7.77E-08	9.14E-08	3.59E-08	1.83E-07	7.77E-08
916	490486.72	3860935	5.92E-04	5.78E-04	5.70E-04	2.05E-07	6.19E-07	3.58E-07	3.50E-07	3.17E-07	1.45E-07	1.43E-07	6.84E-09	1.65E-07	3.65E-08	4.75E-08	7.53E-08	1.33E-08	9.41E-09	3.54E-07	1.87E-07	7.93E-08	9.33E-08	3.66E-08	1.87E-07	7.93E-08
917	490536.72	3860935	6.05E-04	5.91E-04	5.83E-04	2.10E-07	6.33E-07	3.66E-07	3.57E-07	3.24E-07	1.48E-07	1.46E-07	7.00E-09	1.69E-07	3.73E-08	4.85E-08	7.70E-08	1.36E-08	9.62E-09	3.62E-07	1.91E-07	8.11E-08	9.54E-08	3.75E-08	1.91E-07	8.11E-08
918	490586.72	3860935	6.19E-04	6.04E-04	5.96E-04	2.14E-07	6.47E-07	3.74E-07	3.65E-07	3.31E-07	1.51E-07	1.49E-07	7.15E-09	1.73E-07	3.81E-08	4.96E-08	7.87E-08	1.39E-08	9.83E-09	3.70E-07	1.95E-07	8.28E-08	9.74E-08	3.83E-08	1.95E-07	8.28E-08
919	490636.72	3860935	6.34E-04	6.18E-04	6.10E-04	2.19E-07	6.62E-07	3.83E-07	3.74E-07	3.39E-07	1.55E-07	1.53E-07	7.32E-09	1.77E-07	3.90E-08	5.08E-08	8.06E-08	1.42E-08	1.01E-08	3.79E-07	2.00E-07	8.48E-08	9.98E-08	3.92E-08	2.00E-07	8.48E-08
920	490686.72	3860935	6.49E-04	6.34E-04	6.25E-04	2.25E-07	6.79E-07	3.93E-07	3.83E-07	3.48E-07	1.59E-07	1.56E-07	7.51E-09	1.81E-07	4.00E-08	5.20E-08	8.26E-08	1.46E-08	1.03E-08	3.88E-07	2.05E-07	8.69E-08	1.02E-07	4.02E-08	2.05E-07	8.69E-08
921	490736.72	3860935	6.66E-04	6.50E-04	6.41E-04	2.31E-07	6.96E-07	4.03E-07	3.93E-07	3.56E-07	1.63E-07	1.60E-07	7.70E-09	1.86E-07	4.10E-08	5.34E-08	8.47E-08	1.49E-08	1.06E-08	3.98E-07	2.10E-07	8.92E-08	1.05E-07	4.12E-08	2.10E-07	8.92E-08
922	490786.72	3860935	6.84E-04	6.67E-04	6.58E-04	2.37E-07	7.15E-07	4.14E-07	4.04E-07	3.66E-07	1.67E-07	1.65E-07	7.90E-09	1.91E-07	4.21E-08	5.48E-08	8.69E-08	1.53E-08	1.09E-08	4.09E-07	2.16E-07	9.16E-08	1.08E-07	4.23E-08	2.16E-07	9.16E-08
923	490836.72	3860935	7.04E-04	6.87E-04	6.77E-04	2.44E-07	7.35E-07	4.26E-07	4.15E-07	3.77E-07	1.72E-07	1.70E-07	8.13E-09	1.96E-07	4.34E-08	5.64E-08	8.95E-08	1.58E-08	1.12E-08	4.21E-07	2.22E-07	9.42E-08	1.11E-07	4.35E-08	2.22E-07	9.42E-08
924	490086.72	3860985	4.92E-04	4.80E-04	4.74E-04	1.70E-07	5.14E-07	2.98E-07	2.91E-07	2.63E-07	1.20E-07	1.19E-07	5.69E-09	1.37E-07	3.03E-08	3.94E-08	6.26E-08	1.10E-08	7.82E-09	2.94E-07	1.55E-07	6.59E-08	7.75E-08	3.05E-08	1.55E-07	6.59E-08
925	490136.72	3860985	5.00E-04	4.88E-04	4.81E-04	1.73E-07	5.23E-07	3.02E-07	2.95E-07	2.68E-07	1.22E-07	1.20E-07	5.78E-09	1.40E-07	3.08E-08	4.01E-08	6.36E-08	1.12E-08	7.95E-09	2.99E-07	1.58E-07	6.69E-08	7.88E-08	3.09E-08	1.58E-07	6.69E-08
926	490186.72	3860985	5.09E-04	4.97E-04	4.90E-04	1.76E-07	5.32E-07	3.08E-07	3.01E-07	2.72E-07	1.24E-07	1.23E-07	5.88E-09	1.42E-07	3.14E-08	4.08E-08	6.47E-08	1.14E-08	8.09E-09	3.04E-07	1.61E-07	6.82E-08	8.02E-08	3.15E-08	1.61E-07	6.82E-08
927	490236.72	3860985	5.17E-04	5.05E-04	4.98E-04	1.79E-07	5.41E-07	3.13E-07	3.05E-07	2.77E-07	1.26E-07	1.25E-07	5.98E-09	1.44E-07	3.19E-08	4.15E-08	6.58E-08	1.16E-08	8.22E-09	3.09E-07	1.63E-07	6.93E-08	8.15E-08	3.20E-08	1.63E-07	6.93E-08
928	490286.72	3860985	5.27E-04	5.14E-04	5.07E-04	1.82E-07	5.51E-07	3.19E-07	3.11E-07	2.82E-07	1.29E-07	1.27E-07	6.09E-09	1.47E-07	3.25E-08	4.22E-08	6.70E-08	1.18E-08	8.38E-09	3.15E-07	1.66E-07	7.06E-08	8.30E-08	3.26E-08	1.66E-07	7.06E-08
929	490336.72	3860985	5.37E-04	5.24E-04	5.17E-04	1.86E-07	5.61E-07	3.25E-07	3.17E-07	2.87E-07	1.31E-07	1.29E-07	6.21E-09	1.50E-07	3.31E-08	4.30E-08	6.83E-08	1.20E-08	8.53E-09	3.21E-07	1.69E-07	7.19E-08	8.46E-08	3.32E-08	1.69E-07	7.19E-08
930	490386.72	3860985	5.47E-04	5.34E-04	5.27E-04	1.89E-07	5.72E-07	3.31E-07	3.23E-07	2.93E-07	1.34E-07	1.32E-07	6.33E-09	1.53E-07	3.37E-08	4.39E-08	6.96E-08	1.23E-08	8.70E-09	3.27E-07	1.73E-07	7.33E-08	8.62E-08	3.39E-08	1.73E-07	7.33E-08
931	490436.72	3860985	5.59E-04	5.45E-04	5.38E-04	1.93E-07	5.84E-07	3.38E-07	3.30E-07	2.99E-07	1.36E-07	1.35E-07	6.46E-09	1.56E-07	3.44E-08	4.48E-08	7.11E-08	1.25E-08	8.88E-09	3.34E-07	1.76E-07	7.48E-08	8.80E-08	3.46E-08	1.76E-07	7.48E-08
932	490486.72	3860985	5.70E-04	5.56E-04	5.49E-04	1.97E-07	5.96E-07	3.45E-07	3.37E-07	3.05E-07	1.39E-07	1.37E-07	6.59E-09	1.59E-07	3.51E-08	4.57E-08	7.25E-08	1.28E-08	9.06E-09	3.41E-07	1.80E-07	7.63E-08	8.98E-08	3.53E-08	1.80E-07	7.63E-08
933	490536.72	3860985	5.82E-04	5.68E-04	5.60E-04	2.01E-07	6.08E-07	3.52E-07	3.43E-07	3.11E-07	1.42E-07	1.40E-07	6.72E-09	1.62E-07	3.58E-08	4.66E-08	7.40E-08	1.30E-08	9.25E-09	3.48E-07	1.84E-07	7.79E-08	9.16E-08	3.60E-08	1.84E-07	7.79E-08
934	490586.72	3860985	5.95E-04	5.80E-04	5.72E-04	2.06E-07	6.21E-07	3.60E-07	3.51E-07	3.18E-07	1.45E-07	1.43E-07	6.87E-09	1.66E-07	3.66E-08	4.77E-08	7.56E-08	1.33E-08	9.45E-09	3.56E-07	1.88E-07	7.96E-08	9.37E-08	3.68E-08	1.88E-07	7.96E-08
935	490636.72	3860985	6.08E-04	5.93E-04	5.85E-04	2.10E-07	6.35E-07	3.68E-07	3.59E-07	3.25E-07	1.48E-07	1.46E-07	7.03E-09	1.70E-07	3.74E-08	4.87E-08	7.73E-08	1.36E-08	9.66E-09	3.63E-07	1.92E-07	8.14E-08	9.57E-08	3.76E-08	1.92E-07	8.14E-08
936	490686.72	3860985	6.22E-04	6.07E-04	5.99E-04	2.15E-07	6.50E-07	3.76E-07	3.67E-07	3.33E-07	1.52E-07	1.50E-07	7.19E-09	1.74E-07	3.83E-08	4.99E-08	7.91E-08	1.39E-08	9.89E-09	3.72E-07	1.96E-07	8.33E-08	9.80E-08	3.85E-08	1.96E-07	8.33E-08
937	490736.72	3860985	6.37E-04	6.21E-04	6.13E-04	2.20E-07	6.66E-07	3.85E-07	3.76E-07	3.41E-07	1.56E-07	1.53E-07	7.36E-09	1.78E-07	3.92E-08	5.11E-08	8.10E-08	1.43E-08	1.01E-08	3.81E-07	2.01E-07	8.53E-08	1.00E-07	3.94E-08	2.01E-07	8.53E-08
938	490786.72	3860985	6.53E-04	6.38E-04	6.29E-04	2.26E-07	6.83E-07	3.95E-07	3.86E-07	3.50E-07	1.60E-07	1.57E-07	7.55E-09	1.82E-07	4.03E-08	5.24E-08	8.31E-08	1.46E-08	1.04E-08	3.91E-07	2.06E-07	8.75E-08	1.03E-07	4.04E-08	2.06E-07	8.75E-08
939	490836.72	3860985	6.71E-04	6.55E-04	6.46E-04	2.32E-07	7.02E-07	4.06E-07	3.96E-07	3.59E-07	1.64E-07	1.62E-07	7.76E-09	1.87E-07	4.14E-08	5.38E-08	8.54E-08	1.50E-08	1.07E-08	4.01E-07	2.12E-07	8.99E-08	1.06E-07	4.15E-08	2.12E-07	8.99E-08
940	490086.72	3861035	4.77E-04	4.65E-04	4.59E-04	1.65E-07	4.98E-07	2.88E-07	2.81E-07	2.55E-07	1.16E-07	1.15E-07	5.51E-09	1.33E-07	2.94E-08	3.82E-08	6.06E-08	1.07E-08	7.58E-09	2.85E-07	1.50E-07	6.38E-08	7.51E-08	2.95E-08	1.50E-07	6.38E-08
941	490136.72	3861035	4.85E-04	4.73E-04	4.67E-04	1.68E-07	5.07E-07	2.93E-07	2.86E-07	2.60E-07	1.18E-07	1.17E-07	5.61E-09	1.35E-07	2.99E-08	3.89E-08	6.17E-08	1.09E-08	7.71E-09	2.90E-07	1.53E-07	6.49E-08	7.64E-08	3.00E-08	1.53E-07	6.49E-08
942	490186.72	3861035	4.93E-04	4.81E-04	4.75E-04	1.71E-07	5.15E-07	2.98E-07	2.91E-07	2.64E-07	1.20E-07	1.19E-07	5.70E-09	1.38E-07	3.04E-08	3.95E-08	6.27E-08	1.10E-08	7.83E-09	2.95E-07	1.56E-07	6.60E-08	7.76E-08	3.05E-08	1.56E-07	6.60E-08
943	490236.72	3861035	5.02E-04	4.89E-04	4.83E-04	1.74E-07	5.24E-07	3.03E-07	2.96E-07	2.68E-07	1.22E-07	1.21E-07	5.80E-09	1.40E-07	3.09E-08	4.02E-08	6.38E-08	1.12E-08	7.97E-09	3.00E-07	1.58E-07	6.72E-08	7.90E-08	3.10E-08	1.58E-07	6.72E-08
944	490286.72	3861035	5.10E-04	4.98E-04	4.91E-04	1.77E-07	5.33E-07	3.09E-07	3.01E-07	2.73E-07	1.25E-07	1.23E-07	5.89E-09	1.42E-07	3.14E-08	4.09E-08	6.48E-08	1.14E-08	8.10E-09	3.05E-07	1.61E-07	6.83E-08	8.03E-08	3.16E-08	1.61E-07	6.83E-08
945	490336.72	3861035	5.19E-04	5.06E-04	5.00E-04	1.80E-07	5.42E-07	3.14E-07	3.06E-07	2.78E-07	1.27E-07	1.25E-07	6.00E-09	1.45E-07	3.20E-08	4.16E-08	6.60E-08	1.16E-08	8.25E-09	3.10E-07	1.64E-07	6.95E-08	8.18E-08	3.21E-08	1.64E-07	6.95E-08
946	490386.72	3861035	5.29E-04	5.17E-04	5.10E-04	1.83E-07	5.53E-07	3.20E-07	3.13E-07	2.83E-07	1.29E-07	1.28E-07	6.12E-09	1.48E-07	3.26E-08	4.24E-08	6.73E-08	1.19E-08	8.41E-09	3.17E-07	1.67E-07	7.09E-08	8.34E-08	3.28E-08	1.67E-07	7.09E-08
947	490436.72	3861035	5.39E-04	5.26E-04	5.19E-04	1.87E-07	5.64E-07	3.26E-07	3.18E-07	2.89E-07	1.32E-07	1.30E-07	6.23E-09	1.51E-07	3.32E-08	4.32E-08	6.86E-08	1.21E-08	8.57E-09	3.23E-07	1.70E-07	7.22E-08	8.50E-08	3.34E-08	1.70E-07	7.22E-08
948	490486.72	3861035	5.50E-04	5.36E-04	5.29E-04	1.90E-07	5.75E-07	3.33E-07	3.25E-07	2.94E-07	1.34E-07	1.32E-07	6.35E-09	1.53E-07	3.39E-08	4.41E-08	6.99E-08	1.23E-08	8.74E-09	3.29E-07	1.73E-07	7.36E-08	8.66E-08	3.40E-08	1.73E-07	7.36E-08
949	490536.72	3861035	5.61E-04	5.47E-04	5.40E-04	1.94E-07	5.86E-07	3.39E-07	3.31E-07	3.00E-07	1.37E-07	1.35E-07	6.48E-09	1.57E-07	3.46E-08	4.50E-08	7.13E-08	1.26E-08	8.92E-09	3.35E-07	1.77E-07	7.51E-08	8.84E-08	3.47E-08	1.77E-07	7.51E-08
950	490586.72	3861035	5.73E-04	5.59E-04	5.51E-04	1.98E-07	5.98E-07	3.46E-07	3.38E-07	3.06E-07	1.40E-07	1.38E-07	6.62E-09	1.60E-07	3.53E-08	4.59E-08	7.28E-08	1.28E-08	9.10E-09	3.42E-07	1.81E-07	7.67E-08	9.02E-08	3.54E-08	1.81E-07	7.67E-08
951	490636.72	3861035	5.85E-04	5.70E-04	5.63E-04	2.02E-07	6.11E-07	3.54E-07	3.45E-07	3.13E-07	1.43E-07	1.41E-07	6.76E-09	1.63E-07	3.60E-08	4.69E-08	7.43E-08	1.31E-08	9.29E-09	3.50E-07	1.84E-07	7.83E-08	9.21E-08	3.62E-08	1.84E-07	7.83E-08
952	490686.72	3861035	5.97E-04	5.83E-04	5.75E-04	2.07E-07	6.24E-07	3.61E-07	3.53E-07	3.20E-07	1.46E-07	1.44E-07	6.91E-09	1.67E-07	3.68E-08	4.79E-08	7.60E-08	1.34E-08	9.50E-09	3.57E-07	1.89E-07	8.00E-08	9.41E-08	3.70E-08	1.89E-07	8.00E-08
953	490736.72	3861035	6.11E-04	5.96E-04	5.88E-04	2.12E-07	6.39E-07	3.70E-07	3.61E-07	3.27E-07	1.49E-07	1.47E-07	7.06E-09	1.71E-07	3.77E-08	4.90E-08	7.77E-08	1.37E-08	9.71E-09	3.65E-07	1.93E-07	8.18E-08	9.63E-08	3.78E-08	1.93E-07	8.18E-08
954	490786.72	3861035	6.26E-04	6.11E-04	6.02E-04	2.17E-07	6.54E-07	3.79E-07	3.69E-07	3.35E-07	1.53E-07	1.51E-07	7.23E-09	1.75E-07	3.85E-08	5.02E-08	7.96E-08	1.40E-08	9.94E-09	3.74E-07	1.97E-07	8.38E-08	9.86E-08	3.87E-08	1.97E-07	8.38E-08
955	490836.72	3861035	6.41E-04	6.26E-04	6.18E-04	2.22E-07	6.70E-07	3.88E-07	3.79E-07	3.43E-07	1.57E-07	1.55E-07	7.41E-09	1.79E-07	3.95E-08	5.14E-08	8.16E-08	1.44E-08	1.02E-08	3.84E-07	2.02E-07	8.59E-08	1.01E-07	3.97E-08	2.02E-07	8.59E-08

956	490086.72	3861085	4.63E-04	4.52E-04	4.46E-04	1.60E-07	4.84E-07	2.80E-07	2.74E-07	2.48E-07	1.13E-07	1.12E-07	5.36E-09	1.29E-07	2.86E-08	3.71E-08	5.89E-08	1.04E-08	7.37E-09	2.77E-07	1.46E-07	6.21E-08	7.30E-08	2.87E-08	1.46E-07	6.21E-08
957	490136.72	3861085	4.71E-04	4.59E-04	4.53E-04	1.63E-07	4.92E-07	2.85E-07	2.78E-07	2.52E-07	1.15E-07	1.13E-07	5.44E-09	1.31E-07	2.90E-08	3.77E-08	5.99E-08	1.06E-08	7.48E-09	2.82E-07	1.49E-07	6.31E-08	7.42E-08	2.91E-08	1.49E-07	6.31E-08
958	490186.72	3861085	4.79E-04	4.68E-04	4.61E-04	1.66E-07	5.01E-07	2.90E-07	2.83E-07	2.56E-07	1.17E-07	1.15E-07	5.54E-09	1.34E-07	2.95E-08	3.84E-08	6.09E-08	1.07E-08	7.62E-09	2.87E-07	1.51E-07	6.42E-08	7.55E-08	2.97E-08	1.51E-07	6.42E-08
959	490236.72	3861085	4.87E-04	4.75E-04	4.69E-04	1.68E-07	5.09E-07	2.94E-07	2.87E-07	2.60E-07	1.19E-07	1.17E-07	5.63E-09	1.36E-07	3.00E-08	3.90E-08	6.19E-08	1.09E-08	7.74E-09	2.91E-07	1.54E-07	6.52E-08	7.67E-08	3.01E-08	1.54E-07	6.52E-08
960	490286.72	3861085	4.95E-04	4.83E-04	4.76E-04	1.71E-07	5.17E-07	2.99E-07	2.92E-07	2.65E-07	1.21E-07	1.19E-07	5.72E-09	1.38E-07	3.05E-08	3.96E-08	6.29E-08	1.11E-08	7.86E-09	2.96E-07	1.56E-07	6.62E-08	7.79E-08	3.06E-08	1.56E-07	6.62E-08
961	490336.72	3861085	5.03E-04	4.91E-04	4.84E-04	1.74E-07	5.26E-07	3.04E-07	2.97E-07	2.69E-07	1.23E-07	1.21E-07	5.81E-09	1.40E-07	3.10E-08	4.03E-08	6.39E-08	1.13E-08	7.99E-09	3.01E-07	1.59E-07	6.73E-08	7.92E-08	3.11E-08	1.59E-07	6.73E-08
962	490386.72	3861085	5.12E-04	5.00E-04	4.93E-04	1.77E-07	5.36E-07	3.10E-07	3.03E-07	2.74E-07	1.25E-07	1.23E-07	5.92E-09	1.43E-07	3.16E-08	4.11E-08	6.52E-08	1.15E-08	8.14E-09	3.06E-07	1.62E-07	6.86E-08	8.07E-08	3.17E-08	1.62E-07	6.86E-08
963	490436.72	3861085	5.22E-04	5.09E-04	5.02E-04	1.81E-07	5.45E-07	3.16E-07	3.08E-07	2.79E-07	1.27E-07	1.26E-07	6.03E-09	1.46E-07	3.21E-08	4.18E-08	6.63E-08	1.17E-08	8.29E-09	3.12E-07	1.65E-07	6.98E-08	8.22E-08	3.23E-08	1.65E-07	6.98E-08
964	490486.72	3861085	5.31E-04	5.19E-04	5.12E-04	1.84E-07	5.55E-07	3.22E-07	3.14E-07	2.84E-07	1.30E-07	1.28E-07	6.14E-09	1.48E-07	3.27E-08	4.26E-08	6.76E-08	1.19E-08	8.45E-09	3.18E-07	1.68E-07	7.12E-08	8.37E-08	3.29E-08	1.68E-07	7.12E-08
965	490536.72	3861085	5.42E-04	5.29E-04	5.22E-04	1.88E-07	5.66E-07	3.28E-07	3.20E-07	2.90E-07	1.32E-07	1.31E-07	6.26E-09	1.51E-07	3.34E-08	4.34E-08	6.89E-08	1.21E-08	8.61E-09	3.24E-07	1.71E-07	7.26E-08	8.54E-08	3.35E-08	1.71E-07	7.26E-08
966	490586.72	3861085	5.52E-04	5.39E-04	5.32E-04	1.91E-07	5.77E-07	3.34E-07	3.26E-07	2.96E-07	1.35E-07	1.33E-07	6.38E-09	1.54E-07	3.40E-08	4.43E-08	7.02E-08	1.24E-08	8.78E-09	3.30E-07	1.74E-07	7.39E-08	8.70E-08	3.42E-08	1.74E-07	7.39E-08
967	490636.72	3861085	5.63E-04	5.50E-04	5.42E-04	1.95E-07	5.89E-07	3.41E-07	3.33E-07	3.02E-07	1.38E-07	1.36E-07	6.51E-09	1.57E-07	3.47E-08	4.52E-08	7.16E-08	1.26E-08	8.96E-09	3.37E-07	1.78E-07	7.54E-08	8.88E-08	3.49E-08	1.78E-07	7.54E-08
968	490686.72	3861085	5.75E-04	5.61E-04	5.54E-04	1.99E-07	6.01E-07	3.48E-07	3.40E-07	3.08E-07	1.40E-07	1.39E-07	6.65E-09	1.61E-07	3.54E-08	4.61E-08	7.31E-08	1.29E-08	9.14E-09	3.44E-07	1.81E-07	7.70E-08	9.06E-08	3.56E-08	1.81E-07	7.70E-08
969	490736.72	3861085	5.87E-04	5.73E-04	5.66E-04	2.03E-07	6.14E-07	3.55E-07	3.47E-07	3.14E-07	1.43E-07	1.42E-07	6.79E-09	1.64E-07	3.62E-08	4.71E-08	7.47E-08	1.32E-08	9.34E-09	3.51E-07	1.85E-07	7.87E-08	9.25E-08	3.64E-08	1.85E-07	7.87E-08
970	490786.72	3861085	6.01E-04	5.86E-04	5.78E-04	2.08E-07	6.28E-07	3.63E-07	3.55E-07	3.22E-07	1.47E-07	1.45E-07	6.94E-09	1.68E-07	3.70E-08	4.82E-08	7.64E-08	1.35E-08	9.55E-09	3.59E-07	1.90E-07	8.04E-08	9.46E-08	3.72E-08	1.90E-07	8.04E-08
971	490836.72	3861085	6.15E-04	6.00E-04	5.92E-04	2.13E-07	6.43E-07	3.72E-07	3.63E-07	3.29E-07	1.50E-07	1.48E-07	7.11E-09	1.72E-07	3.79E-08	4.93E-08	7.82E-08	1.38E-08	9.77E-09	3.68E-07	1.94E-07	8.23E-08	9.69E-08	3.81E-08	1.94E-07	8.23E-08
972	490086.72	3861135	4.51E-04	4.40E-04	4.34E-04	1.56E-07	4.71E-07	2.73E-07	2.66E-07	2.41E-07	1.10E-07	1.09E-07	5.21E-09	1.26E-07	2.78E-08	3.61E-08	5.73E-08	1.01E-08	7.16E-09	2.69E-07	1.42E-07	6.03E-08	7.10E-08	2.79E-08	1.42E-07	6.03E-08
973	490136.72	3861135	4.58E-04	4.47E-04	4.41E-04	1.58E-07	4.78E-07	2.77E-07	2.70E-07	2.45E-07	1.12E-07	1.10E-07	5.29E-09	1.28E-07	2.82E-08	3.67E-08	5.82E-08	1.03E-08	7.27E-09	2.74E-07	1.44E-07	6.13E-08	7.21E-08	2.83E-08	1.44E-07	6.13E-08
974	490186.72	3861135	4.65E-04	4.54E-04	4.48E-04	1.61E-07	4.86E-07	2.81E-07	2.75E-07	2.49E-07	1.14E-07	1.12E-07	5.38E-09	1.30E-07	2.87E-08	3.73E-08	5.91E-08	1.04E-08	7.39E-09	2.78E-07	1.47E-07	6.23E-08	7.33E-08	2.88E-08	1.47E-07	6.23E-08
975	490236.72	3861135	4.73E-04	4.61E-04	4.55E-04	1.64E-07	4.94E-07	2.86E-07	2.79E-07	2.53E-07	1.15E-07	1.14E-07	5.46E-09	1.32E-07	2.91E-08	3.79E-08	6.01E-08	1.06E-08	7.51E-09	2.83E-07	1.49E-07	6.33E-08	7.44E-08	2.92E-08	1.49E-07	6.33E-08
976	490286.72	3861135	4.80E-04	4.68E-04	4.62E-04	1.66E-07	5.02E-07	2.90E-07	2.83E-07	2.57E-07	1.17E-07	1.16E-07	5.55E-09	1.34E-07	2.96E-08	3.85E-08	6.10E-08	1.08E-08	7.63E-09	2.87E-07	1.52E-07	6.43E-08	7.56E-08	2.97E-08	1.52E-07	6.43E-08
977	490336.72	3861135	4.88E-04	4.77E-04	4.70E-04	1.69E-07	5.10E-07	2.95E-07	2.88E-07	2.61E-07	1.19E-07	1.18E-07	5.64E-09	1.36E-07	3.01E-08	3.91E-08	6.21E-08	1.09E-08	7.76E-09	2.92E-07	1.54E-07	6.54E-08	7.69E-08	3.02E-08	1.54E-07	6.54E-08
978	490386.72	3861135	4.97E-04	4.85E-04	4.78E-04	1.72E-07	5.19E-07	3.00E-07	2.93E-07	2.66E-07	1.21E-07	1.20E-07	5.74E-09	1.39E-07	3.06E-08	3.98E-08	6.32E-08	1.11E-08	7.89E-09	2.97E-07	1.57E-07	6.65E-08	7.82E-08	3.07E-08	1.57E-07	6.65E-08
979	490436.72	3861135	5.05E-04	4.93E-04	4.87E-04	1.75E-07	5.28E-07	3.06E-07	2.98E-07	2.70E-07	1.23E-07	1.22E-07	5.84E-09	1.41E-07	3.11E-08	4.05E-08	6.43E-08	1.13E-08	8.03E-09	3.02E-07	1.59E-07	6.77E-08	7.96E-08	3.13E-08	1.59E-07	6.77E-08
980	490486.72	3861135	5.14E-04	5.02E-04	4.95E-04	1.78E-07	5.38E-07	3.11E-07	3.04E-07	2.75E-07	1.26E-07	1.24E-07	5.95E-09	1.44E-07	3.17E-08	4.12E-08	6.54E-08	1.15E-08	8.18E-09	3.08E-07	1.62E-07	6.89E-08	8.10E-08	3.18E-08	1.62E-07	6.89E-08
981	490536.72	3861135	5.24E-04	5.11E-04	5.05E-04	1.81E-07	5.48E-07	3.17E-07	3.09E-07	2.80E-07	1.28E-07	1.26E-07	6.06E-09	1.46E-07	3.23E-08	4.20E-08	6.66E-08	1.17E-08	8.33E-09	3.13E-07	1.65E-07	7.02E-08	8.25E-08	3.24E-08	1.65E-07	7.02E-08
982	490586.72	3861135	5.34E-04	5.21E-04	5.14E-04	1.85E-07	5.58E-07	3.23E-07	3.15E-07	2.86E-07	1.30E-07	1.29E-07	6.17E-09	1.49E-07	3.29E-08	4.28E-08	6.79E-08	1.20E-08	8.49E-09	3.19E-07	1.69E-07	7.15E-08	8.41E-08	3.30E-08	1.69E-07	7.15E-08
983	490636.72	3861135	5.44E-04	5.31E-04	5.24E-04	1.88E-07	5.68E-07	3.29E-07	3.21E-07	2.91E-07	1.33E-07	1.31E-07	6.29E-09	1.52E-07	3.35E-08	4.36E-08	6.92E-08	1.22E-08	8.65E-09	3.25E-07	1.72E-07	7.28E-08	8.57E-08	3.37E-08	1.72E-07	7.28E-08
984	490686.72	3861135	5.55E-04	5.41E-04	5.34E-04	1.92E-07	5.80E-07	3.36E-07	3.28E-07	2.97E-07	1.35E-07	1.34E-07	6.41E-09	1.55E-07	3.42E-08	4.45E-08	7.05E-08	1.24E-08	8.82E-09	3.32E-07	1.75E-07	7.43E-08	8.74E-08	3.43E-08	1.75E-07	7.43E-08
985	490736.72	3861135	5.66E-04	5.53E-04	5.45E-04	1.96E-07	5.92E-07	3.43E-07	3.34E-07	3.03E-07	1.38E-07	1.36E-07	6.55E-09	1.58E-07	3.49E-08	4.54E-08	7.20E-08	1.27E-08	9.00E-09	3.39E-07	1.79E-07	7.58E-08	8.92E-08	3.50E-08	1.79E-07	7.58E-08
986	490786.72	3861135	5.78E-04	5.64E-04	5.57E-04	2.00E-07	6.04E-07	3.50E-07	3.41E-07	3.10E-07	1.41E-07	1.39E-07	6.69E-09	1.61E-07	3.56E-08	4.64E-08	7.35E-08	1.30E-08	9.19E-09	3.46E-07	1.83E-07	7.74E-08	9.11E-08	3.58E-08	1.83E-07	7.74E-08
987	490836.72	3861135	5.92E-04	5.77E-04	5.70E-04	2.05E-07	6.18E-07	3.58E-07	3.49E-07	3.17E-07	1.44E-07	1.43E-07	6.84E-09	1.65E-07	3.65E-08	4.74E-08	7.52E-08	1.33E-08	9.40E-09	3.54E-07	1.87E-07	7.92E-08	9.32E-08	3.66E-08	1.87E-07	7.92E-08
988	490086.72	3861185	4.39E-04	4.28E-04	4.22E-04	1.52E-07	4.58E-07	2.65E-07	2.59E-07	2.35E-07	1.07E-07	1.06E-07	5.07E-09	1.22E-07	2.70E-08	3.52E-08	5.58E-08	9.83E-09	6.97E-09	2.62E-07	1.38E-07	5.87E-08	6.91E-08	2.71E-08	1.38E-07	5.87E-08
989	490136.72	3861185	4.44E-04	4.34E-04	4.28E-04	1.54E-07	4.64E-07	2.69E-07	2.62E-07	2.38E-07	1.09E-07	1.07E-07	5.14E-09	1.24E-07	2.74E-08	3.56E-08	5.65E-08	9.96E-09	7.06E-09	2.66E-07	1.40E-07	5.95E-08	7.00E-08	2.75E-08	1.40E-07	5.95E-08
990	490186.72	3861185	4.51E-04	4.40E-04	4.35E-04	1.56E-07	4.72E-07	2.73E-07	2.67E-07	2.42E-07	1.10E-07	1.09E-07	5.22E-09	1.26E-07	2.78E-08	3.62E-08	5.74E-08	1.01E-08	7.17E-09	2.70E-07	1.42E-07	6.04E-08	7.11E-08	2.79E-08	1.42E-07	6.04E-08
991	490236.72	3861185	4.59E-04	4.48E-04	4.42E-04	1.59E-07	4.80E-07	2.78E-07	2.71E-07	2.46E-07	1.12E-07	1.11E-07	5.30E-09	1.28E-07	2.83E-08	3.68E-08	5.84E-08	1.03E-08	7.29E-09	2.74E-07	1.45E-07	6.14E-08	7.23E-08	2.84E-08	1.45E-07	6.14E-08
992	490286.72	3861185	4.66E-04	4.55E-04	4.49E-04	1.61E-07	4.87E-07	2.82E-07	2.75E-07	2.50E-07	1.14E-07	1.12E-07	5.39E-09	1.30E-07	2.87E-08	3.74E-08	5.93E-08	1.05E-08	7.41E-09	2.79E-07	1.47E-07	6.24E-08	7.35E-08	2.89E-08	1.47E-07	6.24E-08
993	490336.72	3861185	4.73E-04	4.62E-04	4.56E-04	1.64E-07	4.95E-07	2.86E-07	2.79E-07	2.53E-07	1.16E-07	1.14E-07	5.47E-09	1.32E-07	2.92E-08	3.79E-08	6.02E-08	1.06E-08	7.52E-09	2.83E-07	1.49E-07	6.34E-08	7.46E-08	2.93E-08	1.49E-07	6.34E-08
994	490386.72	3861185	4.82E-04	4.70E-04	4.64E-04	1.67E-07	5.03E-07	2.91E-07	2.84E-07	2.58E-07	1.18E-07	1.16E-07	5.57E-09	1.34E-07	2.97E-08	3.86E-08	6.13E-08	1.08E-08	7.66E-09	2.88E-07	1.52E-07	6.45E-08	7.59E-08	2.98E-08	1.52E-07	6.45E-08
995	490436.72	3861185	4.90E-04	4.78E-04	4.72E-04	1.70E-07	5.12E-07	2.96E-07	2.89E-07	2.62E-07	1.20E-07	1.18E-07	5.66E-09	1.37E-07	3.02E-08	3.93E-08	6.23E-08	1.10E-08	7.79E-09	2.93E-07	1.55E-07	6.56E-08	7.72E-08	3.03E-08	1.55E-07	6.56E-08
996	490486.72	3861185	4.98E-04	4.86E-04	4.80E-04	1.72E-07	5.21E-07	3.01E-07	2.94E-07	2.67E-07	1.22E-07	1.20E-07	5.76E-09	1.39E-07	3.07E-08	3.99E-08	6.34E-08	1.12E-08	7.92E-09	2.98E-07	1.57E-07	6.67E-08	7.85E-08	3.08E-08	1.57E-07	6.67E-08
997	490536.72	3861185	5.07E-04	4.95E-04	4.89E-04	1.76E-07	5.30E-07	3.07E-07	3.00E-07	2.72E-07	1.24E-07	1.22E-07	5.87E-09	1.42E-07	3.13E-08	4.07E-08	6.45E-08	1.14E-08	8.07E-09	3.03E-07	1.60E-07	6.79E-08	7.99E-08	3.14E-08	1.60E-07	6.79E-08
998	490586.72	3861185	5.17E-04	5.04E-04	4.98E-04	1.79E-07	5.40E-07	3.13E-07	3.05E-07	2.77E-07	1.26E-07	1.25E-07	5.98E-09	1.44E-07	3.19E-08	4.14E-08	6.57E-08	1.16E-08	8.22E-09	3.09E-07	1.63E-07	6.92E-08	8.14E-08	3.20E-08	1.63E-07	6.92E-08
999	490636.72	3861185	5.26E-04	5.13E-04	5.07E-04	1.82E-07	5.50E-07	3.18E-07	3.11E-07	2.82E-07	1.28E-07	1.27E-07	6.08E-09	1.47E-07	3.24E-08	4.22E-08	6.69E-08	1.18E-08	8.36E-09	3.15E-07	1.66E-07	7.04E-08	8.29E-08	3.26E-08	1.66E-07	7.04E-08
1000	490686.72	3861185	5.36E-04	5.23E-04	5.16E-04	1.86E-07	5.60E-07	3.24E-07	3.16E-07	2.87E-07	1.31E-07	1.29E-07	6.20E-09	1.50E-07	3.30E-08	4.30E-08	6.82E-08	1.20E-08	8.52E-09	3.21E-07	1.69E-07	7.18E-08	8.44E-08	3.32E-08	1.69E-07	7.18E-08
1001	490736.72	3861185	5.47E-04	5.34E-04	5.27E-04	1.89E-07	5.72E-07	3.31E-07	3.23E-07	2.93E-07	1.34E-07	1.32E-07	6.32E-09	1.53E-07	3.37E-08	4.38E-08	6.95E-08	1.23E-08	8.69E-09	3.27E-07	1.73E-07	7.32E-08	8.61E-08	3.38E-08	1.73E-07	7.32E-08
1002	490786.72	3861185	5.58E-04	5.45E-04	5.37E-04	1.93E-07	5.83E-07	3.38E-07	3.29E-07	2.99E-07	1.36E-07	1.34E-07	6.45E-09	1.56E-07	3.44E-08	4.47E-08	7.10E-08	1.25E-08	8.87E-09	3.34E-07	1.76E-07	7.47E-08	8.79E-08	3.45E-08	1.76E-07	7.47E-08
1003	490836.72	3861185	5.70E-04	5.56E-04	5.49E-04	1.97E-07	5.96E-07	3.45E-07	3.37E-07	3.05E-07	1.39E-07	1.37E-07	6.59E-09	1.59E-07	3.51E-08	4.57E-08	7.25E-08	1.28E-08	9.06E-09	3.41E-07	1.80E-07	7.63E-08	8.98E-08	3.53E-08	1.80E-07	7.63E-08
1004	490086.72	3861235	4.26E-04	4.16E-04	4.11E-04	1.48E-07	4.46E-07	2.58E-07	2.52E-07	2.28E-07	1.04E-07	1.03E-07	4.93E-09	1.19E-07	2.63E-08	3.42E-08	5.42E-08	9.56E-09	6.78E-09	2.55E-07	1.35E-07	5.71E-08	6.72E-08	2.64E-08	1.35E-07	5.71E-08
1005	490136.72	3861235	4.33E-04	4.22E-04	4.17E-04	1.50E-07	4.52E-07	2.62E-07	2.55E-07	2.32E-07	1.06E-07	1.04E-07	5.00E-09	1.21E-07	2.67E-08	3.47E-08	5.50E-08	9.70E-09	6.88E-09	2.59E-07	1.37E-07	5.79E-08	6.82E-08	2.68E-08	1.37E-07	5.79E-08
1006	490186.72	3861235	4.39E-04	4.29E-04	4.23E-04	1.52E-07	4.59E-07	2.66E-07	2.59E-07	2.35E-07	1.07E-07	1.06E-07	5.08E-09	1.23E-07	2.71E-08	3.52E-08	5.59E-08	9.85E-09	6.98E-09	2.63E-07	1.39E-07	5.88E-08	6.92E-08	2.72E-08	1.39E-07	5.88E-08
1007	490236.72	3861235	4.46E-04	4.35E-04	4.29E-04	1.54E-07	4.66E-07	2.70E-07	2.63E-07	2.39E-07	1.09E-07	1.07E-07	5.16E-09	1.25E-07	2.75E-08	3.58E-08	5.67E-08	1.00E-08	7.09E-09	2.67E-07	1.41E-07	5.97E-08	7.03E-08	2.76E-08	1.41E-07	5.97E-08
1008	490386.72	3861235	4.67E-04	4.56E-04	4.50E-04	1.62E-07	4.88E-07	2.83E-07	2.76E-07	2.50E-07	1.14E-07	1.13E-07	5.40E-09	1.30E-07	2.88E-08	3.74E-08	5.94E-08	1.05E-08	7.43E-09	2.79E-07	1.47E-07	6.26E-08	7.36E-08	2.89E-08	1.47E-07	6.26E-08
1009	490436.72	3861235	4.75E-04	4.64E-04	4.57E-04	1.64E-07	4.97E-07	2.87E-07	2.80E-07	2.54E-07	1.16E-07	1.14E-07	5.49E-09	1.33E-07	2.93E-08	3.81E-08	6.04E-08	1.06E-08	7.55E-09	2.84E-07	1.50E-07	6.36E-08	7.48E-08	2.94E-08	1.50E-07	6.36E-08
1010	490486.72	3861235	4.83E-04	4.71E-04	4.65E-04	1.67E-07	5.05E-07	2.92E-07	2.85E-07	2.58E-07	1.18E-07	1.16E-07	5.58E-09	1.35E-07	2.98E-08	3.87E-08	6.14E-08	1.08E-08	7.68E-09	2.89E-07	1.52E-07	6.47E-08	7.61E-08	2.99E-08	1.52E-07	6.47E-08
1011	490536.72	3861235	4.92E-04	4.80E-04	4.74E-04	1.70E-07	5.14E-07	2.98E-07	2.91E-07	2.63E-07	1.20E-07	1.19E-07	5.69E-09	1.37E-07	3.03E-08	3.94E-08	6.26E-08	1.10E-08	7.82E-09	2.94E-07	1.55E-07	6.59E-08	7.75E-08	3.05E-08	1.55E-07	6.59E-08
1012	490586.72	3861235	5.01E-04	4.89E-04	4.82E-04	1.73E-07	5.23E-07	3.03E-07	2.96E-07	2.68E-07	1.22E-07	1.21E-07	5.79E-09	1.40E-07	3.09E-08	4.01E-08	6.37E-08	1.12E-08	7.96E-09	2.99E-07	1.58E-07	6.71E-08	7.89E-08	3.10E-08	1.58E-07	6.71E-08
1013	490636.72	3861235	5.09E-04	4.97E-04	4.90E-04	1.76E-07	5.32E-07	3.08E-07	3.01E-07	2.72E-07	1.24E-07	1.23E-07	5.88E-09	1.42E-07	3.14E-08	4.08E-08	6.47E-08	1.14E-08	8.09E-09	3.04E-07	1.61E-07	6.82E-08	8.02E-08	3.15E-08	1.61E-07	6.82E-08
1014	490686.72	3861235	5.19E-04	5.06E-04	4.99E-04	1.80E-07	5.42E-07	3.14E-07	3.06E-07	2.78E-07	1.27E-07	1.25E-07	5.99E-09	1.45E-07	3.20E-08	4.16E-08	6.60E-08	1.16E-08	8.24E-09	3.10E-07	1.64E-07	6.94E-08	8.17E-08	3.21E-08	1.64E-07	6.94E-08
1015	490736.72	3861235	5.29E-04	5.16E-04	5.09E-04	1.83E-07	5.52E-07	3.20E-07	3.12E-07	2.83E-07	1.29E-07	1.27E-07	6.11E-09	1.48E-07	3.26E-08	4.24E-08	6.72E-08	1.18E-08	8.40E-09	3.16E-07	1.67E-07	7.08E-08	8.33E-08	3.27E-08	1.67E-07	7.08E-08
1016	490786.72	3861235	5.39E-04	5.26E-04	5.19E-04	1.87E-07	5.64E-07	3.26E-07	3.18E-07	2.89E-07	1.32E-07	1.30E-07	6.23E-09	1.51E-07	3.32E-08	4.32E-08	6.86E-08	1.21E-08	8.57E-09	3.23E-07	1.70E-07	7.22E-08	8.50E-08	3.34E-08	1.70E-07	7.22E-08
1017	490836.72	3861235	5.51E-04	5.37E-04	5.30E-04	1.91E-07	5.75E-07	3.33E-07	3.25E-07	2.95E-07	1.34E-07	1.33E-07	6.36E-09	1.54E-07	3.39E-08	4.41E-08	7.00E-08	1.23E-08	8.75E-09	3.29E-07	1.74E-07	7.37E-08	8.67E-08	3.41E-08	1.74E-07	7.37E-08
1018	490086.72	3861285	4.16E-04	4.06E-04	4.00E-04	1.44E-07	4.35E-07	2.52E-07	2.45E-07	2.22E-07	1.02E-07	1.00E-07	4.81E-09	1.16E-07	2.56E-08	3.33E-08	5.29E-08	9.32E-09	6.61E-09	2.49E-07	1.31E-07	5.57E-08	6.55E-08	2.57E-08	1.31E-07	5.57E-08
1019	490136.72	3861285	4.22E-04	4.12E-04	4.06E-04	1.46E-07	4.41E-07	2.55E-07	2.49E-07	2.26E-07	1.03E-07	1.02E-07	4.88E-09	1.18E-07	2.60E-08	3.38E-08	5.37E-08	9.46E-09	6.71E-09	2.52E-07	1.33E-07	5.65E-08	6.65E-08	2.61E-08	1.33E-07	5.65E-08
1020	490186.72	3861285	4.27E-04	4.17E-04	4.11E-04	1.48E-07	4.47E-07	2.59E-07	2.52E-07	2.29E-07	1.04E-07	1.03E-07	4.94E-09	1.19E-07	2.63E-08	3.43E-08	5.43E-08	9.58E-09	6.79E-09	2.56E-07	1.35E-07	5.72E-08	6.73E-08	2.64E-08	1.35E-07	5.72E-08
1021	490236.72	3861285	4.34E-04	4.23E-04	4.18E-04	1.50E-07	4.54E-07	2.63E-07	2.56E-07	2.32E-07	1.06E-07	1.05E-07	5.02E-09	1.21E-07	2.67E-08	3.48E-08	5.52E-08	9.73E-09	6.90E-09	2.60E-07	1.37E-07	5.81E-08	6.84E-08	2.69E-08	1.37E-07	5.81E-08
1022	490386.72	3861285	4.54E-04	4.43E-04	4.37E-04	1.57E-07	4.74E-07	2.75E-07	2.68E-07	2.43E-07	1.11E-07	1.09E-07	5.25E-09	1.27E-07	2.80E-08	3.64E-08	5.77E-08	1.02E-08	7.21E-09	2.71E-07	1.43E-07	6.08E-08	7.15E-08	2.81E-08	1.43E-07	6.08E-08
1023	490436.72	3861285	4.61E-04	4.50E-04	4.44E-04	1.60E-07	4.82E-07	2.79E-07	2.72E-07	2.47E-07	1.13E-07	1.11E-07	5.33E-09	1.29E-07	2.84E-08	3.70E-08	5.87E-08	1.03E-08	7.33E-09	2.76E-07	1.46E-07	6.18E-08	7.27E-08	2.86E-08	1.46E-07	6.18E-08
1024	490486.72	3861285	4.69E-04	4.57E-04	4.51E-04	1.62E-07	4.90E-07	2.84E-07	2.77E-07	2.51E-07	1.14E-07	1.13E-07	5.42E-09	1.31E-07	2.89E-08	3.76E-08	5.96E-08	1.05E-08	7.45E-09	2.80E-07	1.48E-07	6.28E-08	7.39E-08	2.90E-08	1.48E-07	6.28E-08
1025	490536.72	3861285	4.77E-04	4.65E-04	4.59E-04	1.65E-07	4.98E-07	2.88E-07	2.81E-07	2.55E-07	1.16E-07	1.15E-07	5.51E-09	1.33E-07	2.94E-08	3.82E-08	6.06E-08	1.07E-08	7.58E-09	2.85E-07	1.50E-07	6.38E-08	7.51E-08	2.95E-08	1.50E-07	6.38E-08
1026	490586.72	3861285	4.85E-04	4.74E-04	4.67E-04	1.68E-07	5.07E-07	2.94E-07	2.87E-07	2.60E-07	1.19E-07	1.17E-07	5.61E-09	1.36E-07	2.99E-08	3.89E-08	6.17E-08	1.09E-08	7.72E-09	2.90E-07	1.53E-07	6.50E-08	7.65E-08	3.00E-08	1.53E-07	6.50E-08
1027	490636.72	3861285	4.93E-04	4.81E-04	4.75E-04	1.71E-07	5.16E-07	2.98E-07	2.91E-07	2.64E-07	1.20E-07	1.19E-07	5.70E-09	1.38E-07	3.04E-08	3.95E-08	6.27E-08	1.11E-08	7.84E-09	2.95E-07	1.56E-07	6.61E-08	7.77E-08	3.05E-08	1.56E-07	6.61E-08
1028	490686.72	3861285	5.02E-04	4.90E-04	4.83E-04	1.74E-07	5.25E-07	3.04E-07	2.96E-07	2.69E-07	1.23E-07	1.21E-07	5.80E-09	1.40E-07	3.09E-08	4.02E-08	6.38E-08	1.13E-08	7.98E-09	3.00E-07	1.58E-07	6.72E-08	7.91E-08	3.11E-08	1.58E-07	6.72E-08
1029	490736.72	3861285	5.12E-04	5.00E-04	4.93E-04	1.77E-07	5.35E-07	3.10E-07	3.02E-07	2.74E-07	1.25E-07	1.23E-07	5.92E-09	1.43E-07	3.15E-08	4.10E-08	6.51E-08	1.15E-08	8.14E-09	3.06E-07	1.62E-07	6.86E-08	8.07E-08	3.17E-08	1.62E-07	6.86E-08

1030	490786.72	3861285	5.21E-04	5.08E-04	5.02E-04	1.80E-07	5.45E-07	3.15E-07	3.08E-07	2.79E-07	1.27E-07	1.26E-07	6.02E-09	1.45E-07	3.21E-08	4.18E-08	6.63E-08	1.17E-08	8.28E-09	3.12E-07	1.64E-07	6.98E-08	8.21E-08	3.22E-08	1.64E-07	6.98E-08
1031	490836.72	3861285	5.31E-04	5.18E-04	5.11E-04	1.84E-07	5.55E-07	3.21E-07	3.14E-07	2.84E-07	1.30E-07	1.28E-07	6.14E-09	1.48E-07	3.27E-08	4.26E-08	6.75E-08	1.19E-08	8.44E-09	3.18E-07	1.68E-07	7.11E-08	8.37E-08	3.29E-08	1.68E-07	7.11E-08
1032	490061.24	3859716	4.51E-03	4.40E-03	4.34E-03	1.56E-06	4.71E-06	2.73E-06	2.66E-06	2.41E-06	1.10E-06	1.09E-06	5.21E-08	1.26E-06	2.78E-07	3.62E-07	5.74E-07	1.01E-07	7.17E-08	2.70E-06	1.42E-06	6.04E-07	7.10E-07	2.79E-07	1.42E-06	6.04E-07
1033	490111.24	3859716	5.47E-03	5.34E-03	5.27E-03	1.89E-06	5.72E-06	3.31E-06	3.23E-06	2.93E-06	1.34E-06	1.32E-06	6.33E-08	1.53E-06	3.37E-07	4.39E-07	6.96E-07	1.23E-07	8.70E-08	3.27E-06	1.73E-06	7.33E-07	8.62E-07	3.39E-07	1.73E-06	7.33E-07
1034	490161.24	3859716	6.86E-03	6.69E-03	6.60E-03	2.37E-06	7.17E-06	4.15E-06	4.05E-06	3.67E-06	1.67E-06	1.65E-06	7.92E-08	1.91E-06	4.22E-07	5.50E-07	8.72E-07	1.54E-07	1.09E-07	4.10E-06	2.16E-06	9.18E-07	1.08E-06	4.24E-07	2.16E-06	9.18E-07
1035	490211.24	3859716	8.95E-03	8.73E-03	8.61E-03	3.10E-06	9.35E-06	5.41E-06	5.28E-06	4.79E-06	2.19E-06	2.16E-06	1.03E-07	2.50E-06	5.51E-07	7.17E-07	1.14E-06	2.01E-07	1.42E-07	5.35E-06	2.82E-06	1.20E-06	1.41E-06	5.54E-07	2.82E-06	1.20E-06
1036	490061.24	3859766	3.17E-03	3.09E-03	3.05E-03	1.10E-06	3.31E-06	1.92E-06	1.87E-06	1.69E-06	7.73E-07	7.63E-07	3.66E-08	8.84E-07	1.95E-07	2.54E-07	4.03E-07	7.09E-08	5.03E-08	1.89E-06	9.99E-07	4.24E-07	4.99E-07	1.96E-07	9.99E-07	4.24E-07
1037	490111.24	3859766	3.61E-03	3.52E-03	3.48E-03	1.25E-06	3.77E-06	2.18E-06	2.13E-06	1.93E-06	8.82E-07	8.70E-07	4.17E-08	1.01E-06	2.22E-07	2.89E-07	4.59E-07	8.09E-08	5.74E-08	2.16E-06	1.14E-06	4.84E-07	5.69E-07	2.23E-07	1.14E-06	4.84E-07
1038	490161.24	3859766	4.18E-03	4.08E-03	4.02E-03	1.45E-06	4.37E-06	2.53E-06	2.47E-06	2.24E-06	1.02E-06	1.01E-06	4.83E-08	1.17E-06	2.58E-07	3.35E-07	5.32E-07	9.37E-08	6.64E-08	2.50E-06	1.32E-06	5.60E-07	6.58E-07	2.59E-07	1.32E-06	5.60E-07
1039	490211.24	3859766	4.95E-03	4.83E-03	4.77E-03	1.71E-06	5.18E-06	3.00E-06	2.93E-06	2.65E-06	1.21E-06	1.19E-06	5.73E-08	1.38E-06	3.05E-07	3.97E-07	6.30E-07	1.11E-07	7.87E-08	2.96E-06	1.56E-06	6.63E-07	7.80E-07	3.07E-07	1.56E-06	6.63E-07
1040	490061.24	3859816	2.44E-03	2.38E-03	2.35E-03	8.46E-07	2.55E-06	1.48E-06	1.44E-06	1.31E-06	5.97E-07	5.89E-07	2.82E-08	6.82E-07	1.51E-07	1.96E-07	3.11E-07	5.48E-08	3.88E-08	1.46E-06	7.71E-07	3.27E-07	3.85E-07	1.51E-07	7.71E-07	3.27E-07
1041	490111.24	3859816	2.69E-03	2.63E-03	2.59E-03	9.32E-07	2.82E-06	1.63E-06	1.59E-06	1.44E-06	6.58E-07	6.49E-07	3.11E-08	7.52E-07	1.66E-07	2.16E-07	3.43E-07	6.04E-08	4.28E-08	1.61E-06	8.50E-07	3.61E-07	4.24E-07	1.67E-07	8.50E-07	3.61E-07
1042	490161.24	3859816	3.00E-03	2.93E-03	2.89E-03	1.04E-06	3.14E-06	1.82E-06	1.77E-06	1.61E-06	7.33E-07	7.23E-07	3.47E-08	8.38E-07	1.85E-07	2.41E-07	3.82E-07	6.72E-08	4.77E-08	1.79E-06	9.47E-07	4.02E-07	4.73E-07	1.86E-07	9.47E-07	4.02E-07
1043	490211.24	3859816	3.38E-03	3.30E-03	3.25E-03	1.17E-06	3.53E-06	2.04E-06	1.99E-06	1.81E-06	8.25E-07	8.14E-07	3.91E-08	9.43E-07	2.08E-07	2.71E-07	4.30E-07	7.57E-08	5.37E-08	2.02E-06	1.07E-06	4.52E-07	5.32E-07	2.09E-07	1.07E-06	4.52E-07
1044	490061.24	3859866	2.00E-03	1.95E-03	1.92E-03	6.92E-07	2.09E-06	1.21E-06	1.18E-06	1.07E-06	4.88E-07	4.81E-07	2.31E-08	5.58E-07	1.23E-07	1.60E-07	2.54E-07	4.48E-08	3.18E-08	1.19E-06	6.30E-07	2.68E-07	3.15E-07	1.24E-07	6.30E-07	2.68E-07
1045	490111.24	3859866	2.16E-03	2.11E-03	2.08E-03	7.48E-07	2.26E-06	1.31E-06	1.28E-06	1.16E-06	5.27E-07	5.20E-07	2.50E-08	6.03E-07	1.33E-07	1.73E-07	2.75E-07	4.84E-08	3.43E-08	1.29E-06	6.82E-07	2.89E-07	3.40E-07	1.34E-07	6.82E-07	2.89E-07
1046	490161.24	3859866	2.35E-03	2.29E-03	2.26E-03	8.14E-07	2.46E-06	1.42E-06	1.39E-06	1.26E-06	5.74E-07	5.66E-07	2.72E-08	6.56E-07	1.45E-07	1.88E-07	2.99E-07	5.27E-08	3.74E-08	1.41E-06	7.42E-07	3.15E-07	3.70E-07	1.45E-07	7.42E-07	3.15E-07
1047	490211.24	3859866	2.57E-03	2.51E-03	2.48E-03	8.91E-07	2.69E-06	1.56E-06	1.52E-06	1.38E-06	6.29E-07	6.20E-07	2.98E-08	7.19E-07	1.59E-07	2.06E-07	3.27E-07	5.77E-08	4.09E-08	1.54E-06	8.13E-07	3.45E-07	4.06E-07	1.59E-07	8.13E-07	3.45E-07
1048	490061.24	3859916	1.70E-03	1.66E-03	1.63E-03	5.87E-07	1.77E-06	1.03E-06	1.00E-06	9.08E-07	4.14E-07	4.09E-07	1.96E-08	4.74E-07	1.04E-07	1.36E-07	2.16E-07	3.80E-08	2.70E-08	1.01E-06	5.35E-07	2.27E-07	2.67E-07	1.05E-07	5.35E-07	2.27E-07
1049	490111.24	3859916	1.81E-03	1.77E-03	1.74E-03	6.27E-07	1.89E-06	1.10E-06	1.07E-06	9.69E-07	4.42E-07	4.36E-07	2.09E-08	5.06E-07	1.12E-07	1.45E-07	2.30E-07	4.06E-08	2.88E-08	1.08E-06	5.71E-07	2.42E-07	2.85E-07	1.12E-07	5.71E-07	2.42E-07
1050	490161.24	3859916	1.94E-03	1.89E-03	1.87E-03	6.71E-07	2.03E-06	1.17E-06	1.15E-06	1.04E-06	4.74E-07	4.67E-07	2.24E-08	5.42E-07	1.20E-07	1.55E-07	2.47E-07	4.35E-08	3.08E-08	1.16E-06	6.12E-07	2.60E-07	3.06E-07	1.20E-07	6.12E-07	2.60E-07
1051	490211.24	3859916	2.09E-03	2.03E-03	2.01E-03	7.22E-07	2.18E-06	1.26E-06	1.23E-06	1.12E-06	5.09E-07	5.02E-07	2.41E-08	5.82E-07	1.28E-07	1.67E-07	2.65E-07	4.67E-08	3.31E-08	1.25E-06	6.58E-07	2.79E-07	3.28E-07	1.29E-07	6.58E-07	2.79E-07
1052	490229.25	3859815	3.56E-03	3.48E-03	3.43E-03	1.23E-06	3.73E-06	2.16E-06	2.10E-06	1.91E-06	8.71E-07	8.59E-07	4.12E-08	9.95E-07	2.20E-07	2.86E-07	4.53E-07	7.99E-08	5.67E-08	2.13E-06	1.13E-06	4.77E-07	5.62E-07	2.21E-07	1.13E-06	4.77E-07
1053	490279.25	3859815	4.10E-03	4.00E-03	3.95E-03	1.42E-06	4.28E-06	2.48E-06	2.42E-06	2.19E-06	1.00E-06	9.88E-07	4.74E-08	1.14E-06	2.53E-07	3.29E-07	5.21E-07	9.19E-08	6.52E-08	2.45E-06	1.29E-06	5.49E-07	6.46E-07	2.54E-07	1.29E-06	5.49E-07
1054	490329.25	3859815	4.81E-03	4.69E-03	4.63E-03	1.66E-06	5.03E-06	2.91E-06	2.84E-06	2.57E-06	1.17E-06	1.16E-06	5.56E-08	1.34E-06	2.96E-07	3.85E-07	6.11E-07	1.08E-07	7.64E-08	2.88E-06	1.52E-06	6.44E-07	7.57E-07	2.98E-07	1.52E-06	6.44E-07
1055	490379.25	3859815	5.84E-03	5.70E-03	5.62E-03	2.02E-06	6.10E-06	3.53E-06	3.45E-06	3.12E-06	1.43E-06	1.41E-06	6.75E-08	1.63E-06	3.60E-07	4.68E-07	7.42E-07	1.31E-07	9.28E-08	3.49E-06	1.84E-06	7.82E-07	9.20E-07	3.61E-07	1.84E-06	7.82E-07
1056	490429.25	3859815	7.43E-03	7.25E-03	7.15E-03	2.57E-06	7.76E-06	4.49E-06	4.38E-06	3.97E-06	1.81E-06	1.79E-06	8.58E-08	2.07E-06	4.57E-07	5.95E-07	9.44E-07	1.66E-07	1.18E-07	4.44E-06	2.34E-06	9.94E-07	1.17E-06	4.60E-07	2.34E-06	9.94E-07
1057	490229.25	3859865	2.68E-03	2.61E-03	2.58E-03	9.27E-07	2.80E-06	1.62E-06	1.58E-06	1.43E-06	6.54E-07	6.45E-07	3.10E-08	7.48E-07	1.65E-07	2.15E-07	3.41E-07	6.00E-08	4.26E-08	1.60E-06	8.45E-07	3.59E-07	4.22E-07	1.66E-07	8.45E-07	3.59E-07
1058	490279.25	3859865	2.97E-03	2.89E-03	2.86E-03	1.03E-06	3.10E-06	1.79E-06	1.75E-06	1.59E-06	7.24E-07	7.15E-07	3.43E-08	8.28E-07	1.83E-07	2.38E-07	3.77E-07	6.65E-08	4.71E-08	1.77E-06	9.36E-07	3.97E-07	4.67E-07	1.84E-07	9.36E-07	3.97E-07
1059	490329.25	3859865	3.32E-03	3.24E-03	3.20E-03	1.15E-06	3.47E-06	2.01E-06	1.96E-06	1.78E-06	8.12E-07	8.01E-07	3.84E-08	9.28E-07	2.05E-07	2.66E-07	4.23E-07	7.45E-08	5.28E-08	1.99E-06	1.05E-06	4.45E-07	5.24E-07	2.06E-07	1.05E-06	4.45E-07
1060	490379.25	3859865	3.79E-03	3.69E-03	3.65E-03	1.31E-06	3.96E-06	2.29E-06	2.24E-06	2.03E-06	9.25E-07	9.12E-07	4.38E-08	1.06E-06	2.33E-07	3.04E-07	4.81E-07	8.49E-08	6.02E-08	2.26E-06	1.19E-06	5.07E-07	5.96E-07	2.34E-07	1.19E-06	5.07E-07
1061	490429.25	3859865	4.40E-03	4.29E-03	4.24E-03	1.52E-06	4.60E-06	2.66E-06	2.60E-06	2.36E-06	1.07E-06	1.06E-06	5.09E-08	1.23E-06	2.71E-07	3.53E-07	5.60E-07	9.86E-08	7.00E-08	2.63E-06	1.39E-06	5.89E-07	6.93E-07	2.72E-07	1.39E-06	5.89E-07
1062	490229.25	3859915	2.15E-03	2.10E-03	2.07E-03	7.45E-07	2.25E-06	1.30E-06	1.27E-06	1.15E-06	5.25E-07	5.18E-07	2.49E-08	6.01E-07	1.33E-07	1.72E-07	2.74E-07	4.82E-08	3.42E-08	1.29E-06	6.79E-07	2.88E-07	3.39E-07	1.33E-07	6.79E-07	2.88E-07
1063	490279.25	3859915	2.33E-03	2.27E-03	2.24E-03	8.06E-07	2.43E-06	1.41E-06	1.37E-06	1.25E-06	5.69E-07	5.61E-07	2.69E-08	6.50E-07	1.43E-07	1.87E-07	2.96E-07	5.22E-08	3.70E-08	1.39E-06	7.35E-07	3.12E-07	3.67E-07	1.44E-07	7.35E-07	3.12E-07
1064	490329.25	3859915	2.54E-03	2.48E-03	2.45E-03	8.80E-07	2.66E-06	1.54E-06	1.50E-06	1.36E-06	6.21E-07	6.13E-07	2.94E-08	7.10E-07	1.57E-07	2.04E-07	3.23E-07	5.70E-08	4.04E-08	1.52E-06	8.02E-07	3.40E-07	4.01E-07	1.57E-07	8.02E-07	3.40E-07
1065	490379.25	3859915	2.80E-03	2.73E-03	2.70E-03	9.70E-07	2.93E-06	1.69E-06	1.65E-06	1.50E-06	6.84E-07	6.75E-07	3.24E-08	7.82E-07	1.73E-07	2.25E-07	3.56E-07	6.28E-08	4.45E-08	1.68E-06	8.84E-07	3.75E-07	4.41E-07	1.73E-07	8.84E-07	3.75E-07
1066	490429.25	3859915	3.12E-03	3.04E-03	3.00E-03	1.08E-06	3.26E-06	1.89E-06	1.84E-06	1.67E-06	7.61E-07	7.51E-07	3.60E-08	8.70E-07	1.92E-07	2.50E-07	3.96E-07	6.99E-08	4.96E-08	1.86E-06	9.84E-07	4.17E-07	4.91E-07	1.93E-07	9.84E-07	4.17E-07
1067	490451.43	3859873	4.45E-03	4.34E-03	4.28E-03	1.54E-06	4.65E-06	2.69E-06	2.62E-06	2.38E-06	1.09E-06	1.07E-06	5.14E-08	1.24E-06	2.74E-07	3.56E-07	5.65E-07	9.96E-08	7.07E-08	2.66E-06	1.40E-06	5.95E-07	7.00E-07	2.75E-07	1.40E-06	5.95E-07
1068	490501.43	3859873	5.33E-03	5.20E-03	5.13E-03	1.85E-06	5.57E-06	3.23E-06	3.15E-06	2.85E-06	1.30E-06	1.28E-06	6.16E-08	1.49E-06	3.29E-07	4.27E-07	6.78E-07	1.20E-07	8.48E-08	3.19E-06	1.68E-06	7.14E-07	8.40E-07	3.30E-07	1.68E-06	7.14E-07
1069	490551.43	3859873	6.70E-03	6.54E-03	6.45E-03	2.32E-06	7.00E-06	4.05E-06	3.95E-06	3.59E-06	1.64E-06	1.61E-06	7.74E-08	1.87E-06	4.13E-07	5.37E-07	8.52E-07	1.50E-07	1.06E-07	4.01E-06	2.11E-06	8.97E-07	1.06E-06	4.15E-07	2.11E-06	8.97E-07
1070	490601.43	3859873	8.85E-03	8.64E-03	8.52E-03	3.06E-06	9.25E-06	5.36E-06	5.23E-06	4.74E-06	2.16E-06	2.13E-06	1.02E-07	2.47E-06	5.45E-07	7.10E-07	1.13E-06	1.98E-07	1.41E-07	5.29E-06	2.79E-06	1.19E-06	1.39E-06	5.48E-07	2.79E-06	1.19E-06
1071	490451.43	3859923	3.14E-03	3.07E-03	3.03E-03	1.09E-06	3.28E-06	1.90E-06	1.86E-06	1.68E-06	7.68E-07	7.57E-07	3.63E-08	8.78E-07	1.94E-07	2.52E-07	4.00E-07	7.04E-08	5.00E-08	1.88E-06	9.92E-07	4.21E-07	4.95E-07	1.94E-07	9.92E-07	4.21E-07
1072	490501.43	3859923	3.56E-03	3.47E-03	3.43E-03	1.23E-06	3.72E-06	2.15E-06	2.10E-06	1.90E-06	8.69E-07	8.57E-07	4.11E-08	9.93E-07	2.19E-07	2.85E-07	4.52E-07	7.97E-08	5.65E-08	2.13E-06	1.12E-06	4.76E-07	5.60E-07	2.20E-07	1.12E-06	4.76E-07
1073	490551.43	3859923	4.12E-03	4.02E-03	3.97E-03	1.43E-06	4.31E-06	2.50E-06	2.43E-06	2.21E-06	1.01E-06	9.94E-07	4.77E-08	1.15E-06	2.54E-07	3.31E-07	5.24E-07	9.24E-08	6.55E-08	2.47E-06	1.30E-06	5.52E-07	6.50E-07	2.55E-07	1.30E-06	5.52E-07
1074	490601.43	3859923	4.91E-03	4.79E-03	4.73E-03	1.70E-06	5.13E-06	2.97E-06	2.90E-06	2.63E-06	1.20E-06	1.18E-06	5.68E-08	1.37E-06	3.03E-07	3.94E-07	6.24E-07	1.10E-07	7.81E-08	2.94E-06	1.55E-06	6.58E-07	7.74E-07	3.04E-07	1.55E-06	6.58E-07
1075	482129.67	3852241	5.94E-03	5.80E-03	5.72E-03	2.06E-06	6.21E-06	3.60E-06	3.51E-06	3.18E-06	1.45E-06	1.43E-06	6.87E-08	1.66E-06	3.66E-07	4.76E-07	7.56E-07	1.33E-07	9.45E-08	3.55E-06	1.88E-06	7.96E-07	9.36E-07	3.68E-07	1.88E-06	7.96E-07
1076	482029.67	3852291	1.11E-02	1.08E-02	1.07E-02	3.83E-06	1.16E-05	6.70E-06	6.54E-06	5.93E-06	2.71E-06	2.67E-06	1.28E-07	3.09E-06	6.82E-07	8.88E-07	1.41E-06	2.48E-07	1.76E-07	6.62E-06	3.50E-06	1.48E-06	1.74E-06	6.86E-07	3.50E-06	1.48E-06
1077	482079.67	3852291	8.60E-03	8.39E-03	8.28E-03	2.98E-06	8.98E-06	5.20E-06	5.08E-06	4.60E-06	2.10E-06	2.07E-06	9.94E-08	2.40E-06	5.30E-07	6.89E-07	1.09E-06	1.93E-07	1.37E-07	5.14E-06	2.71E-06	1.15E-06	1.35E-06	5.32E-07	2.71E-06	1.15E-06
1078	482129.67	3852291	6.99E-03	6.82E-03	6.73E-03	2.42E-06	7.31E-06	4.23E-06	4.13E-06	3.74E-06	1.71E-06	1.68E-06	8.08E-08	1.95E-06	4.31E-07	5.60E-07	8.89E-07	1.57E-07	1.11E-07	4.18E-06	2.21E-06	9.36E-07	1.10E-06	4.33E-07	2.21E-06	9.36E-07
1079	482179.67	3852291	5.82E-03	5.68E-03	5.60E-03	2.01E-06	6.08E-06	3.52E-06	3.43E-06	3.11E-06	1.42E-06	1.40E-06	6.72E-08	1.62E-06	3.58E-07	4.66E-07	7.40E-07	1.30E-07	9.24E-08	3.48E-06	1.84E-06	7.79E-07	9.16E-07	3.60E-07	1.84E-06	7.79E-07
1080	482229.67	3852291	4.93E-03	4.81E-03	4.74E-03	1.71E-06	5.15E-06	2.98E-06	2.91E-06	2.64E-06	1.20E-06	1.19E-06	5.69E-08	1.38E-06	3.04E-07	3.95E-07	6.26E-07	1.10E-07	7.83E-08	2.95E-06	1.55E-06	6.60E-07	7.76E-07	3.05E-07	1.55E-06	6.60E-07
1081	482029.67	3852341	1.53E-02	1.49E-02	1.47E-02	5.28E-06	1.60E-05	9.24E-06	9.01E-06	8.17E-06	3.73E-06	3.68E-06	1.76E-07	4.26E-06	9.40E-07	1.22E-06	1.94E-06	3.42E-07	2.43E-07	9.13E-06	4.82E-06	2.04E-06	2.40E-06	9.45E-07	4.82E-06	2.04E-06
1082	482079.67	3852341	1.10E-02	1.07E-02	1.06E-02	3.80E-06	1.15E-05	6.64E-06	6.48E-06	5.88E-06	2.68E-06	2.65E-06	1.27E-07	3.07E-06	6.76E-07	8.80E-07	1.40E-06	2.46E-07	1.75E-07	6.57E-06	3.47E-06	1.47E-06	1.73E-06	6.80E-07	3.47E-06	1.47E-06
1083	482129.67	3852341	8.53E-03	8.32E-03	8.21E-03	2.95E-06	8.91E-06	5.16E-06	5.04E-06	4.56E-06	2.08E-06	2.06E-06	9.86E-08	2.38E-06	5.25E-07	6.84E-07	1.08E-06	1.91E-07	1.36E-07	5.10E-06	2.69E-06	1.14E-06	1.34E-06	5.28E-07	2.69E-06	1.14E-06
1084	482179.67	3852341	6.91E-03	6.74E-03	6.65E-03	2.39E-06	7.22E-06	4.18E-06	4.08E-06	3.70E-06	1.69E-06	1.66E-06	7.99E-08	1.93E-06	4.26E-07	5.54E-07	8.79E-07	1.55E-07	1.10E-07	4.13E-06	2.18E-06	9.25E-07	1.09E-06	4.28E-07	2.18E-06	9.25E-07
1085	482259.06	3852400	6.52E-03	6.36E-03	6.28E-03	2.26E-06	6.81E-06	3.94E-06	3.85E-06	3.49E-06	1.59E-06	1.57E-06	7.53E-08	1.82E-06	4.02E-07	5.23E-07	8.29E-07	1.46E-07	1.04E-07	3.90E-06	2.06E-06	8.73E-07	1.03E-06	4.03E-07	2.06E-06	8.73E-07
1086	482309.06	3852400	5.39E-03	5.26E-03	5.19E-03	1.86E-06	5.63E-06	3.26E-06	3.18E-06	2.88E-06	1.32E-06	1.30E-06	6.23E-08	1.50E-06	3.32E-07	4.32E-07	6.85E-07	1.21E-07	8.56E-08	3.22E-06	1.70E-06	7.21E-07	8.49E-07	3.33E-07	1.70E-06	7.21E-07
1087	482209.06	3852450	9.76E-03	9.52E-03	9.39E-03	3.38E-06	1.02E-05	5.90E-06	5.76E-06	5.22E-06	2.38E-06	2.35E-06	1.13E-07	2.72E-06	6.01E-07	7.82E-07	1.24E-06	2.19E-07	1.55E-07	5.83E-06	3.08E-06	1.31E-06	1.54E-06	6.04E-07	3.08E-06	1.31E-06
1088	482259.06	3852450	7.78E-03	7.59E-03	7.49E-03	2.69E-06	8.13E-06	4.71E-06	4.59E-06	4.16E-06	1.90E-06	1.88E-06	8.99E-08	2.17E-06	4.79E-07	6.24E-07	9.90E-07	1.74E-07	1.24E-07	4.65E-06	2.46E-06	1.04E-06	1.23E-06	4.82E-07	2.46E-06	1.04E-06
1089	482309.06	3852450	6.36E-03	6.20E-03	6.12E-03	2.20E-06	6.64E-06	3.85E-06	3.75E-06	3.40E-06	1.55E-06	1.53E-06	7.35E-08	1.77E-06	3.92E-07	5.10E-07	8.08E-07	1.42E-07	1.01E-07	3.80E-06	2.01E-06	8.51E-07	1.00E-06	3.93E-07	2.01E-06	8.51E-07
1090	482209.06	3852500	1.28E-02	1.25E-02	1.24E-02	4.45E-06	1.34E-05	7.77E-06	7.58E-06	6.88E-06	3.14E-06	3.10E-06	1.48E-07	3.59E-06	7.91E-07	1.03E-06	1.63E-06	2.88E-07	2.04E-07	7.68E-06	4.05E-06	1.72E-06	2.02E-06	7.95E-07	4.05E-06	1.72E-06
1091	482259.06	3852500	9.66E-03	9.43E-03	9.31E-03	3.35E-06	1.01E-05	5.85E-06	5.71E-06	5.17E-06	2.36E-06	2.33E-06	1.12E-07	2.70E-06	5.95E-07	7.75E-07	1.23E-06	2.17E-07	1.54E-07	5.78E-06	3.05E-06	1.29E-06	1.52E-06	5.98E-07	3.05E-06	1.29E-06
1092	482309.06	3852500	7.65E-03	7.47E-03	7.37E-03	2.65E-06	8.00E-06	4.63E-06	4.52E-06	4.10E-06	1.87E-06	1.84E-06	8.85E-08	2.14E-06	4.72E-07	6.13E-07	9.73E-07	1.72E-07	1.22E-07	4.58E-06	2.42E-06	1.02E-06	1.21E-06	4.74E-07	2.42E-06	1.02E-06
1093	482283.91	3852514	9.11E-03	8.89E-03	8.77E-03	3.15E-06	9.52E-06	5.51E-06	5.38E-06	4.88E-06	2.22E-06	2.20E-06	1.05E-07	2.54E-06	5.61E-07	7.30E-07	1.16E-06	2.04E-07	1.45E-07	5.45E-06	2.88E-06	1.22E-06	1.44E-06	5.64E-07	2.88E-06	1.22E-06
1094	482333.91	3852514	7.31E-03	7.13E-03	7.04E-03	2.53E-06	7.64E-06	4.42E-06	4.32E-06	3.91E-06	1.79E-06	1.76E-06	8.45E-08	2.04E-06	4.51E-07	5.86E-07	9.30E-07	1.64E-07	1.16E-07	4.37E-06	2.31E-06	9.79E-07	1.15E-06	4.53E-07	2.31E-06	9.79E-07
1095	482283.91	3852564	1.18E-02	1.15E-02	1.14E-02	4.09E-06	1.23E-05	7.14E-06	6.97E-06	6.32E-06	2.88E-06	2.85E-06	1.36E-07	3.30E-06	7.27E-07	9.46E-07	1.50E-06	2.65E-07	1.88E-07	7.06E-06	3.73E-06	1.58E-06	1.86E-06	7.31E-07	3.73E-06	1.58E-06
1096	482333.91	3852564	9.06E-03	8.84E-03	8.73E-03	3.14E-06	9.47E-06	5.48E-06	5.35E-06	4.85E-06	2.21E-06	2.18E-06	1.05E-07	2.53E-06	5.58E-07	7.26E-07	1.15E-06	2.03E-07	1.44E-07	5.42E-06	2.86E-06	1.21E-06	1.43E-06	5.61E-07	2.86E-06	1.21E-06
1097	482383.91	3852564	7.32E-03	7.14E-03	7.05E-03	2.53E-06	7.65E-06	4.43E-06	4.32E-06	3.92E-06	1.79E-06	1.76E-06	8.46E-08	2.04E-06	4.51E-07	5.87E-07	9.31E-07	1.64E-07	1.16E-07	4.38E-06	2.31E-06	9.80E-07	1.15E-06	4.53E-07	2.31E-06	9.80E-07
1098	482283.91	3852614	1.64E-02	1.60E-02	1.58E-02	5.67E-06	1.71E-05	9.91E-06	9.67E-06	8.77E-06	4.00E-06	3.95E-06	1.89E-07	4.57E-06	1.01E-06	1.31E-06	2.08E-06	3.67E-07	2.60E-07	9.79E-06	5.17E-06	2.19E-06	2.58E-06	1.01E-06	5.17E-06	2.19E-06
1099	482333.91	3852614	1.17E-02	1.14E-02	1.13E-02	4.05E-06	1.22E-05	7.07E-06	6.90E-06	6.25E-06	2.85E-06	2.82E-06	1.35E-07	3.26E-06	7.20E-07	9.37E-07	1.49E-06	2.62E-07	1.86E-07	6.99E-06	3.69E-06	1.56E-06	1.84E-06	7.23E-07	3.69E-06	1.56E-06
1100	482383.91	3852614	9.01E-03	8.79E-03	8.67E-03	3.12E-06	9.42E-06	5.45E-06	5.32E-06	4.82E-06	2.20E-06	2.17E-06	1.04E-07	2.52E-06	5.55E-07	7.22E-07	1.15E-06	2.02E-07	1.43E-07	5.39E-06	2.84E-06	1.21E-06	1.42E-06	5.58E-07	2.84E-06	1.21E-06
1101	482602.38	3852601	4.09E-03	3.99E-03	3.94E-03	1.42E-06	4.28E-06	2.48E-06	2.42E-06	2.19E-06	1.00E-06	9.87E-07	4.73E-08	1.14E-06	2.52E-07	3.28E-07	5.21E-07	9.18E-08	6.51E-08	2.45E-06	1.29E-06	5.48E-07	6.45E-07	2.53E-07	1.29E-06	5.48E-07
1102	482652.38	3852601	3.66E-03	3.57E-03	3.52E-03	1.27E-06	3.83E-06	2.21E-06	2.16E-06	1.96E-06	8.94E-07	8.82E-07	4.23E-08	1.02E-06	2.26E-07	2.93E-07	4.65E-07	8.20E-08	5.82E-08	2.19E-06	1.16E-06	4.90E-07	5.77E-07	2.27E-07	1.16E-06	4.90E-07
1103	482702.38	3852601	3.20E-03	3.13E-03	3.09E-03	1.11E-06	3.35E-06	1.94E-06	1.89E-06	1.72E-06	7.83E-07	7.72E-07	3.70E-08	8.95E-07	1.97E-07	2.57E-07	4.08E-07	7.18E-08	5.09E-08	1.92E-06	1.01E-06	4.29E-07	5.05E-07	1.98E-07	1.01E-06	4.29E-07

1104	482552.38	3852651	5.39E-03	5.26E-03	5.19E-03	1.86E-06	5.63E-06	3.26E-06	3.18E-06	2.88E-06	1.32E-06	1.30E-06	6.23E-08	1.50E-06	3.32E-07	4.32E-07	6.85E-07	1.21E-07	8.56E-08	3.22E-06	1.70E-06	7.21E-07	8.48E-07	3.33E-07	1.70E-06	7.21E-07
1105	482602.38	3852651	4.65E-03	4.54E-03	4.48E-03	1.61E-06	4.86E-06	2.81E-06	2.74E-06	2.49E-06	1.14E-06	1.12E-06	5.37E-08	1.30E-06	2.86E-07	3.73E-07	5.91E-07	1.04E-07	7.39E-08	2.78E-06	1.47E-06	6.22E-07	7.32E-07	2.88E-07	1.47E-06	6.22E-07
1106	482652.38	3852651	4.11E-03	4.01E-03	3.96E-03	1.42E-06	4.30E-06	2.49E-06	2.43E-06	2.20E-06	1.00E-06	9.91E-07	4.75E-08	1.15E-06	2.53E-07	3.30E-07	5.23E-07	9.22E-08	6.54E-08	2.46E-06	1.30E-06	5.51E-07	6.48E-07	2.55E-07	1.30E-06	5.51E-07
1107	482702.38	3852651	3.68E-03	3.60E-03	3.55E-03	1.28E-06	3.85E-06	2.23E-06	2.18E-06	1.97E-06	9.00E-07	8.88E-07	4.26E-08	1.03E-06	2.27E-07	2.95E-07	4.69E-07	8.26E-08	5.86E-08	2.20E-06	1.16E-06	4.93E-07	5.81E-07	2.28E-07	1.16E-06	4.93E-07
1108	482552.38	3852701	6.34E-03	6.18E-03	6.10E-03	2.19E-06	6.62E-06	3.83E-06	3.74E-06	3.39E-06	1.55E-06	1.53E-06	7.32E-08	1.77E-06	3.90E-07	5.08E-07	8.06E-07	1.42E-07	1.01E-07	3.79E-06	2.00E-06	8.48E-07	9.98E-07	3.92E-07	2.00E-06	8.48E-07
1109	482602.38	3852701	5.42E-03	5.29E-03	5.22E-03	1.88E-06	5.67E-06	3.28E-06	3.20E-06	2.90E-06	1.32E-06	1.31E-06	6.27E-08	1.51E-06	3.34E-07	4.35E-07	6.89E-07	1.21E-07	8.62E-08	3.24E-06	1.71E-06	7.26E-07	8.54E-07	3.35E-07	1.71E-06	7.26E-07
1110	482652.38	3852701	4.80E-03	4.68E-03	4.62E-03	1.66E-06	5.01E-06	2.90E-06	2.83E-06	2.57E-06	1.17E-06	1.16E-06	5.54E-08	1.34E-06	2.96E-07	3.84E-07	6.10E-07	1.07E-07	7.62E-08	2.87E-06	1.51E-06	6.42E-07	7.56E-07	2.97E-07	1.51E-06	6.42E-07
1111	482702.38	3852701	4.19E-03	4.09E-03	4.03E-03	1.45E-06	4.38E-06	2.53E-06	2.47E-06	2.24E-06	1.02E-06	1.01E-06	4.84E-08	1.17E-06	2.58E-07	3.36E-07	5.32E-07	9.38E-08	6.65E-08	2.50E-06	1.32E-06	5.61E-07	6.60E-07	2.59E-07	1.32E-06	5.61E-07
1112	482452.38	3852751	1.27E-02	1.24E-02	1.23E-02	4.40E-06	1.33E-05	7.70E-06	7.51E-06	6.81E-06	3.11E-06	3.07E-06	1.47E-07	3.55E-06	7.84E-07	1.02E-06	1.62E-06	2.85E-07	2.02E-07	7.61E-06	4.02E-06	1.70E-06	2.00E-06	7.88E-07	4.02E-06	1.70E-06
1113	482521.29	3852750	8.67E-03	8.46E-03	8.35E-03	3.00E-06	9.06E-06	5.25E-06	5.12E-06	4.64E-06	2.12E-06	2.09E-06	1.00E-07	2.42E-06	5.34E-07	6.95E-07	1.10E-06	1.94E-07	1.38E-07	5.19E-06	2.74E-06	1.16E-06	1.37E-06	5.37E-07	2.74E-06	1.16E-06
1114	482571.29	3852750	7.05E-03	6.88E-03	6.79E-03	2.44E-06	7.37E-06	4.27E-06	4.16E-06	3.77E-06	1.72E-06	1.70E-06	8.15E-08	1.97E-06	4.35E-07	5.65E-07	8.97E-07	1.58E-07	1.12E-07	4.22E-06	2.23E-06	9.44E-07	1.11E-06	4.36E-07	2.23E-06	9.44E-07
1115	482521.29	3852800	1.12E-02	1.09E-02	1.07E-02	3.86E-06	1.17E-05	6.75E-06	6.58E-06	5.97E-06	2.72E-06	2.69E-06	1.29E-07	3.11E-06	6.87E-07	8.94E-07	1.42E-06	2.50E-07	1.77E-07	6.67E-06	3.52E-06	1.49E-06	1.76E-06	6.90E-07	3.52E-06	1.49E-06
1116	482571.29	3852800	8.64E-03	8.43E-03	8.32E-03	2.99E-06	9.03E-06	5.23E-06	5.10E-06	4.62E-06	2.11E-06	2.08E-06	9.98E-08	2.41E-06	5.32E-07	6.92E-07	1.10E-06	1.94E-07	1.37E-07	5.17E-06	2.73E-06	1.16E-06	1.36E-06	5.35E-07	2.73E-06	1.16E-06
1117	482621.29	3852800	7.01E-03	6.84E-03	6.75E-03	2.43E-06	7.33E-06	4.24E-06	4.14E-06	3.75E-06	1.71E-06	1.69E-06	8.11E-08	1.96E-06	4.32E-07	5.62E-07	8.92E-07	1.57E-07	1.11E-07	4.19E-06	2.21E-06	9.39E-07	1.10E-06	4.34E-07	2.21E-06	9.39E-07
1118	482571.29	3852850	1.10E-02	1.07E-02	1.06E-02	3.81E-06	1.15E-05	6.67E-06	6.50E-06	5.90E-06	2.69E-06	2.65E-06	1.27E-07	3.08E-06	6.79E-07	8.83E-07	1.40E-06	2.47E-07	1.75E-07	6.59E-06	3.48E-06	1.48E-06	1.74E-06	6.82E-07	3.48E-06	1.48E-06
1119	482621.29	3852850	8.49E-03	8.28E-03	8.17E-03	2.94E-06	8.87E-06	5.14E-06	5.01E-06	4.54E-06	2.07E-06	2.05E-06	9.81E-08	2.37E-06	5.23E-07	6.81E-07	1.08E-06	1.90E-07	1.35E-07	5.08E-06	2.68E-06	1.14E-06	1.34E-06	5.25E-07	2.68E-06	1.14E-06
1120	482577.42	3852902	1.45E-02	1.42E-02	1.40E-02	5.03E-06	1.52E-05	8.79E-06	8.58E-06	7.78E-06	3.55E-06	3.50E-06	1.68E-07	4.06E-06	8.95E-07	1.16E-06	1.85E-06	3.26E-07	2.31E-07	8.69E-06	4.59E-06	1.95E-06	2.29E-06	8.99E-07	4.59E-06	1.95E-06
1121	482627.42	3852902	1.05E-02	1.02E-02	1.01E-02	3.62E-06	1.09E-05	6.33E-06	6.18E-06	5.60E-06	2.55E-06	2.52E-06	1.21E-07	2.92E-06	6.44E-07	8.39E-07	1.33E-06	2.34E-07	1.66E-07	6.26E-06	3.30E-06	1.40E-06	1.65E-06	6.47E-07	3.30E-06	1.40E-06
1122	482629.96	3852956	1.42E-02	1.39E-02	1.37E-02	4.93E-06	1.49E-05	8.61E-06	8.40E-06	7.62E-06	3.47E-06	3.43E-06	1.64E-07	3.97E-06	8.77E-07	1.14E-06	1.81E-06	3.19E-07	2.26E-07	8.51E-06	4.49E-06	1.91E-06	2.24E-06	8.81E-07	4.49E-06	1.91E-06
1123	482679.96	3852956	1.02E-02	9.94E-03	9.81E-03	3.53E-06	1.07E-05	6.17E-06	6.02E-06	5.45E-06	2.49E-06	2.46E-06	1.18E-07	2.85E-06	6.28E-07	8.17E-07	1.30E-06	2.28E-07	1.62E-07	6.09E-06	3.22E-06	1.36E-06	1.61E-06	6.31E-07	3.22E-06	1.36E-06
1124	482781.63	3853034	7.56E-03	7.38E-03	7.28E-03	2.62E-06	7.91E-06	4.58E-06	4.47E-06	4.05E-06	1.85E-06	1.82E-06	8.74E-08	2.11E-06	4.66E-07	6.06E-07	9.62E-07	1.70E-07	1.20E-07	4.52E-06	2.39E-06	1.01E-06	1.19E-06	4.68E-07	2.39E-06	1.01E-06
1125	482831.63	3853034	6.09E-03	5.94E-03	5.87E-03	2.11E-06	6.37E-06	3.69E-06	3.60E-06	3.26E-06	1.49E-06	1.47E-06	7.04E-08	1.70E-06	3.75E-07	4.88E-07	7.75E-07	1.37E-07	9.68E-08	3.64E-06	1.92E-06	8.16E-07	9.60E-07	3.77E-07	1.92E-06	8.16E-07
1126	482881.63	3853034	5.06E-03	4.94E-03	4.87E-03	1.75E-06	5.29E-06	3.06E-06	2.99E-06	2.71E-06	1.24E-06	1.22E-06	5.85E-08	1.41E-06	3.12E-07	4.05E-07	6.43E-07	1.13E-07	8.04E-08	3.02E-06	1.60E-06	6.77E-07	7.97E-07	3.13E-07	1.60E-06	6.77E-07
1127	482781.63	3853084	8.55E-03	8.34E-03	8.23E-03	2.96E-06	8.94E-06	5.17E-06	5.05E-06	4.58E-06	2.09E-06	2.06E-06	9.88E-08	2.39E-06	5.27E-07	6.85E-07	1.09E-06	1.92E-07	1.36E-07	5.11E-06	2.70E-06	1.14E-06	1.35E-06	5.29E-07	2.70E-06	1.14E-06
1128	482831.63	3853084	6.71E-03	6.55E-03	6.46E-03	2.32E-06	7.02E-06	4.06E-06	3.96E-06	3.59E-06	1.64E-06	1.62E-06	7.76E-08	1.87E-06	4.14E-07	5.38E-07	8.54E-07	1.50E-07	1.07E-07	4.01E-06	2.12E-06	8.99E-07	1.06E-06	4.15E-07	2.12E-06	8.99E-07
1129	482881.63	3853084	5.53E-03	5.40E-03	5.33E-03	1.92E-06	5.78E-06	3.35E-06	3.27E-06	2.96E-06	1.35E-06	1.33E-06	6.40E-08	1.55E-06	3.41E-07	4.44E-07	7.04E-07	1.24E-07	8.80E-08	3.31E-06	1.75E-06	7.41E-07	8.72E-07	3.42E-07	1.75E-06	7.41E-07
1130	482781.63	3853134	9.96E-03	9.72E-03	9.59E-03	3.45E-06	1.04E-05	6.02E-06	5.88E-06	5.33E-06	2.43E-06	2.40E-06	1.15E-07	2.78E-06	6.13E-07	7.98E-07	1.27E-06	2.23E-07	1.58E-07	5.95E-06	3.14E-06	1.33E-06	1.57E-06	6.16E-07	3.14E-06	1.33E-06
1131	482831.63	3853134	7.54E-03	7.36E-03	7.26E-03	2.61E-06	7.88E-06	4.56E-06	4.45E-06	4.04E-06	1.84E-06	1.82E-06	8.72E-08	2.11E-06	4.65E-07	6.04E-07	9.59E-07	1.69E-07	1.20E-07	4.51E-06	2.38E-06	1.01E-06	1.19E-06	4.67E-07	2.38E-06	1.01E-06
1132	482881.63	3853134	6.10E-03	5.95E-03	5.87E-03	2.11E-06	6.37E-06	3.69E-06	3.60E-06	3.26E-06	1.49E-06	1.47E-06	7.05E-08	1.70E-06	3.76E-07	4.89E-07	7.75E-07	1.37E-07	9.69E-08	3.65E-06	1.92E-06	8.16E-07	9.60E-07	3.77E-07	1.92E-06	8.16E-07
1133	482831.63	3853184	8.65E-03	8.44E-03	8.33E-03	2.99E-06	9.04E-06	5.23E-06	5.11E-06	4.63E-06	2.11E-06	2.08E-06	1.00E-07	2.42E-06	5.33E-07	6.93E-07	1.10E-06	1.94E-07	1.37E-07	5.17E-06	2.73E-06	1.16E-06	1.36E-06	5.35E-07	2.73E-06	1.16E-06
1134	482881.63	3853184	6.78E-03	6.61E-03	6.52E-03	2.35E-06	7.08E-06	4.10E-06	4.00E-06	3.63E-06	1.65E-06	1.63E-06	7.83E-08	1.89E-06	4.17E-07	5.43E-07	8.62E-07	1.52E-07	1.08E-07	4.05E-06	2.14E-06	9.07E-07	1.07E-06	4.19E-07	2.14E-06	9.07E-07
1135	484154.84	3854251	1.90E-03	1.86E-03	1.83E-03	6.59E-07	1.99E-06	1.15E-06	1.12E-06	1.02E-06	4.65E-07	4.59E-07	2.20E-08	5.32E-07	1.17E-07	1.53E-07	2.42E-07	4.27E-08	3.03E-08	1.14E-06	6.01E-07	2.55E-07	3.00E-07	1.18E-07	6.01E-07	2.55E-07
1136	484204.84	3854251	1.81E-03	1.77E-03	1.74E-03	6.27E-07	1.89E-06	1.10E-06	1.07E-06	9.70E-07	4.43E-07	4.37E-07	2.09E-08	5.06E-07	1.12E-07	1.45E-07	2.30E-07	4.06E-08	2.88E-08	1.08E-06	5.72E-07	2.43E-07	2.85E-07	1.12E-07	5.72E-07	2.43E-07
1137	484154.84	3854301	2.03E-03	1.98E-03	1.96E-03	7.03E-07	2.12E-06	1.23E-06	1.20E-06	1.09E-06	4.96E-07	4.90E-07	2.35E-08	5.67E-07	1.25E-07	1.63E-07	2.58E-07	4.55E-08	3.23E-08	1.22E-06	6.41E-07	2.72E-07	3.20E-07	1.26E-07	6.41E-07	2.72E-07
1138	484204.84	3854301	1.94E-03	1.89E-03	1.87E-03	6.72E-07	2.03E-06	1.17E-06	1.15E-06	1.04E-06	4.74E-07	4.67E-07	2.24E-08	5.42E-07	1.20E-07	1.56E-07	2.47E-07	4.35E-08	3.08E-08	1.16E-06	6.12E-07	2.60E-07	3.06E-07	1.20E-07	6.12E-07	2.60E-07
1139	484074.19	3854520	4.45E-03	4.35E-03	4.29E-03	1.54E-06	4.65E-06	2.69E-06	2.63E-06	2.38E-06	1.09E-06	1.07E-06	5.15E-08	1.24E-06	2.74E-07	3.57E-07	5.66E-07	9.98E-08	7.08E-08	2.66E-06	1.41E-06	5.96E-07	7.01E-07	2.76E-07	1.41E-06	5.96E-07
1140	484124.19	3854520	3.82E-03	3.73E-03	3.68E-03	1.32E-06	3.99E-06	2.31E-06	2.26E-06	2.05E-06	9.33E-07	9.21E-07	4.42E-08	1.07E-06	2.35E-07	3.06E-07	4.86E-07	8.56E-08	6.07E-08	2.29E-06	1.21E-06	5.12E-07	6.02E-07	2.37E-07	1.21E-06	5.12E-07
1141	484074.19	3854570	5.99E-03	5.85E-03	5.77E-03	2.07E-06	6.26E-06	3.62E-06	3.54E-06	3.21E-06	1.46E-06	1.44E-06	6.92E-08	1.67E-06	3.69E-07	4.80E-07	7.62E-07	1.34E-07	9.52E-08	3.58E-06	1.89E-06	8.02E-07	9.44E-07	3.71E-07	1.89E-06	8.02E-07
1142	484124.19	3854570	4.84E-03	4.72E-03	4.66E-03	1.68E-06	5.06E-06	2.93E-06	2.86E-06	2.59E-06	1.18E-06	1.17E-06	5.59E-08	1.35E-06	2.98E-07	3.88E-07	6.15E-07	1.08E-07	7.69E-08	2.89E-06	1.53E-06	6.48E-07	7.62E-07	3.00E-07	1.53E-06	6.48E-07
1143	485205.11	3855189	3.62E-03	3.53E-03	3.49E-03	1.25E-06	3.78E-06	2.19E-06	2.14E-06	1.94E-06	8.84E-07	8.72E-07	4.19E-08	1.01E-06	2.23E-07	2.90E-07	4.60E-07	8.11E-08	5.76E-08	2.17E-06	1.14E-06	4.85E-07	5.70E-07	2.24E-07	1.14E-06	4.85E-07
1144	485255.11	3855189	3.16E-03	3.08E-03	3.04E-03	1.09E-06	3.30E-06	1.91E-06	1.86E-06	1.69E-06	7.71E-07	7.61E-07	3.65E-08	8.82E-07	1.95E-07	2.53E-07	4.02E-07	7.08E-08	5.02E-08	1.89E-06	9.97E-07	4.23E-07	4.97E-07	1.95E-07	9.97E-07	4.23E-07
1145	485205.11	3855239	4.12E-03	4.02E-03	3.97E-03	1.43E-06	4.31E-06	2.49E-06	2.43E-06	2.21E-06	1.01E-06	9.93E-07	4.76E-08	1.15E-06	2.54E-07	3.30E-07	5.24E-07	9.24E-08	6.55E-08	2.46E-06	1.30E-06	5.52E-07	6.49E-07	2.55E-07	1.30E-06	5.52E-07
1146	485255.11	3855239	3.56E-03	3.48E-03	3.43E-03	1.23E-06	3.72E-06	2.16E-06	2.10E-06	1.91E-06	8.70E-07	8.59E-07	4.12E-08	9.95E-07	2.20E-07	2.86E-07	4.53E-07	7.99E-08	5.66E-08	2.13E-06	1.12E-06	4.77E-07	5.61E-07	2.21E-07	1.12E-06	4.77E-07
1147	485205.11	3855289	5.23E-03	5.11E-03	5.04E-03	1.81E-06	5.47E-06	3.17E-06	3.09E-06	2.80E-06	1.28E-06	1.26E-06	6.05E-08	1.46E-06	3.22E-07	4.20E-07	6.66E-07	1.17E-07	8.32E-08	3.13E-06	1.65E-06	7.01E-07	8.25E-07	3.24E-07	1.65E-06	7.01E-07
1148	485255.11	3855289	4.28E-03	4.18E-03	4.12E-03	1.48E-06	4.48E-06	2.59E-06	2.53E-06	2.29E-06	1.05E-06	1.03E-06	4.95E-08	1.20E-06	2.64E-07	3.43E-07	5.45E-07	9.60E-08	6.81E-08	2.56E-06	1.35E-06	5.74E-07	6.75E-07	2.65E-07	1.35E-06	5.74E-07
1149	485255.11	3855339	5.36E-03	5.23E-03	5.16E-03	1.86E-06	5.60E-06	3.24E-06	3.16E-06	2.87E-06	1.31E-06	1.29E-06	6.20E-08	1.50E-06	3.30E-07	4.30E-07	6.82E-07	1.20E-07	8.52E-08	3.21E-06	1.69E-06	7.18E-07	8.44E-07	3.32E-07	1.69E-06	7.18E-07
1150	485305.11	3855339	4.38E-03	4.27E-03	4.22E-03	1.52E-06	4.58E-06	2.65E-06	2.59E-06	2.34E-06	1.07E-06	1.06E-06	5.06E-08	1.22E-06	2.70E-07	3.51E-07	5.57E-07	9.82E-08	6.96E-08	2.62E-06	1.38E-06	5.86E-07	6.90E-07	2.71E-07	1.38E-06	5.86E-07
1151	485852.5	3855635	2.54E-03	2.48E-03	2.44E-03	8.79E-07	2.65E-06	1.54E-06	1.50E-06	1.36E-06	6.20E-07	6.12E-07	2.93E-08	7.09E-07	1.56E-07	2.04E-07	3.23E-07	5.69E-08	4.04E-08	1.52E-06	8.01E-07	3.40E-07	4.00E-07	1.57E-07	8.01E-07	3.40E-07
1152	485902.5	3855635	2.33E-03	2.27E-03	2.24E-03	8.05E-07	2.43E-06	1.41E-06	1.37E-06	1.24E-06	5.68E-07	5.60E-07	2.69E-08	6.49E-07	1.43E-07	1.86E-07	2.96E-07	5.21E-08	3.70E-08	1.39E-06	7.34E-07	3.11E-07	3.66E-07	1.44E-07	7.34E-07	3.11E-07
1153	485852.5	3855685	2.79E-03	2.72E-03	2.68E-03	9.64E-07	2.91E-06	1.69E-06	1.64E-06	1.49E-06	6.80E-07	6.71E-07	3.22E-08	7.78E-07	1.72E-07	2.23E-07	3.54E-07	6.24E-08	4.43E-08	1.67E-06	8.79E-07	3.73E-07	4.39E-07	1.72E-07	8.79E-07	3.73E-07
1154	485902.5	3855685	2.52E-03	2.46E-03	2.43E-03	8.74E-07	2.64E-06	1.53E-06	1.49E-06	1.35E-06	6.17E-07	6.08E-07	2.92E-08	7.05E-07	1.56E-07	2.02E-07	3.21E-07	5.66E-08	4.01E-08	1.51E-06	7.97E-07	3.38E-07	3.98E-07	1.56E-07	7.97E-07	3.38E-07
1155	485852.5	3855735	3.09E-03	3.02E-03	2.98E-03	1.07E-06	3.23E-06	1.87E-06	1.83E-06	1.66E-06	7.56E-07	7.46E-07	3.58E-08	8.64E-07	1.91E-07	2.48E-07	3.93E-07	6.93E-08	4.92E-08	1.85E-06	9.76E-07	4.14E-07	4.87E-07	1.91E-07	9.76E-07	4.14E-07
1156	485902.5	3855735	2.78E-03	2.72E-03	2.68E-03	9.64E-07	2.91E-06	1.68E-06	1.64E-06	1.49E-06	6.80E-07	6.71E-07	3.22E-08	7.77E-07	1.72E-07	2.23E-07	3.54E-07	6.24E-08	4.42E-08	1.66E-06	8.79E-07	3.73E-07	4.39E-07	1.72E-07	8.79E-07	3.73E-07
1157	485852.5	3855785	3.52E-03	3.43E-03	3.39E-03	1.22E-06	3.68E-06	2.13E-06	2.08E-06	1.88E-06	8.59E-07	8.48E-07	4.07E-08	9.82E-07	2.17E-07	2.82E-07	4.47E-07	7.88E-08	5.59E-08	2.10E-06	1.11E-06	4.71E-07	5.54E-07	2.18E-07	1.11E-06	4.71E-07
1158	485902.5	3855785	3.08E-03	3.01E-03	2.97E-03	1.07E-06	3.22E-06	1.87E-06	1.82E-06	1.65E-06	7.53E-07	7.43E-07	3.56E-08	8.61E-07	1.90E-07	2.47E-07	3.92E-07	6.91E-08	4.90E-08	1.84E-06	9.73E-07	4.13E-07	4.86E-07	1.91E-07	9.73E-07	4.13E-07
1159	486809.46	3856465	2.37E-03	2.31E-03	2.28E-03	8.20E-07	2.48E-06	1.43E-06	1.40E-06	1.27E-06	5.79E-07	5.71E-07	2.74E-08	6.62E-07	1.46E-07	1.90E-07	3.01E-07	5.31E-08	3.77E-08	1.42E-06	7.48E-07	3.17E-07	3.73E-07	1.47E-07	7.48E-07	3.17E-07
1160	486859.46	3856465	2.22E-03	2.17E-03	2.14E-03	7.69E-07	2.32E-06	1.34E-06	1.31E-06	1.19E-06	5.43E-07	5.36E-07	2.57E-08	6.21E-07	1.37E-07	1.78E-07	2.83E-07	4.98E-08	3.53E-08	1.33E-06	7.01E-07	2.98E-07	3.50E-07	1.38E-07	7.01E-07	2.98E-07
1161	486909.46	3856465	2.10E-03	2.04E-03	2.02E-03	7.25E-07	2.19E-06	1.27E-06	1.24E-06	1.12E-06	5.12E-07	5.05E-07	2.42E-08	5.85E-07	1.29E-07	1.68E-07	2.66E-07	4.70E-08	3.33E-08	1.25E-06	6.61E-07	2.81E-07	3.30E-07	1.30E-07	6.61E-07	2.81E-07
1162	486809.46	3856515	2.57E-03	2.50E-03	2.47E-03	8.88E-07	2.68E-06	1.55E-06	1.52E-06	1.37E-06	6.27E-07	6.18E-07	2.97E-08	7.16E-07	1.58E-07	2.06E-07	3.26E-07	5.75E-08	4.08E-08	1.53E-06	8.10E-07	3.44E-07	4.04E-07	1.59E-07	8.10E-07	3.44E-07
1163	486859.46	3856515	2.39E-03	2.33E-03	2.30E-03	8.28E-07	2.50E-06	1.45E-06	1.41E-06	1.28E-06	5.84E-07	5.76E-07	2.76E-08	6.67E-07	1.47E-07	1.92E-07	3.04E-07	5.36E-08	3.80E-08	1.43E-06	7.54E-07	3.20E-07	3.77E-07	1.48E-07	7.54E-07	3.20E-07
1164	486909.46	3856515	2.24E-03	2.19E-03	2.16E-03	7.76E-07	2.34E-06	1.36E-06	1.32E-06	1.20E-06	5.47E-07	5.40E-07	2.59E-08	6.26E-07	1.38E-07	1.80E-07	2.85E-07	5.02E-08	3.56E-08	1.34E-06	7.07E-07	3.00E-07	3.53E-07	1.39E-07	7.07E-07	3.00E-07
1165	486980.94	3856358	1.73E-03	1.69E-03	1.67E-03	6.00E-07	1.81E-06	1.05E-06	1.02E-06	9.27E-07	4.23E-07	4.18E-07	2.00E-08	4.84E-07	1.07E-07	1.39E-07	2.20E-07	3.88E-08	2.75E-08	1.04E-06	5.47E-07	2.32E-07	2.73E-07	1.07E-07	5.47E-07	2.32E-07
1166	487030.94	3856358	1.66E-03	1.62E-03	1.60E-03	5.76E-07	1.74E-06	1.01E-06	9.83E-07	8.91E-07	4.07E-07	4.01E-07	1.92E-08	4.65E-07	1.03E-07	1.33E-07	2.12E-07	3.73E-08	2.65E-08	9.95E-07	5.25E-07	2.23E-07	2.62E-07	1.03E-07	5.25E-07	2.23E-07
1167	486980.94	3856408	1.83E-03	1.78E-03	1.76E-03	6.32E-07	1.91E-06	1.11E-06	1.08E-06	9.78E-07	4.46E-07	4.40E-07	2.11E-08	5.10E-07	1.13E-07	1.46E-07	2.32E-07	4.09E-08	2.90E-08	1.09E-06	5.77E-07	2.45E-07	2.88E-07	1.13E-07	5.77E-07	2.45E-07
1168	487030.94	3856408	1.75E-03	1.71E-03	1.68E-03	6.05E-07	1.83E-06	1.06E-06	1.03E-06	9.36E-07	4.27E-07	4.21E-07	2.02E-08	4.88E-07	1.08E-07	1.40E-07	2.22E-07	3.92E-08	2.78E-08	1.05E-06	5.52E-07	2.34E-07	2.75E-07	1.08E-07	5.52E-07	2.34E-07
1169	487447.18	3856437	1.35E-03	1.32E-03	1.30E-03	4.69E-07	1.41E-06	8.19E-07	7.99E-07	7.25E-07	3.31E-07	3.26E-07	1.56E-08	3.78E-07	8.34E-08	1.09E-07	1.72E-07	3.03E-08	2.15E-08	8.10E-07	4.27E-07	1.81E-07	2.13E-07	8.38E-08	4.27E-07	1.81E-07
1170	487497.18	3856437	1.32E-03	1.29E-03	1.27E-03	4.56E-07	1.38E-06	7.98E-07	7.78E-07	7.06E-07	3.22E-07	3.18E-07	1.52E-08	3.68E-07	8.12E-08	1.06E-07	1.68E-07	2.96E-08	2.10E-08	7.88E-07	4.16E-07	1.77E-07	2.08E-07	8.16E-08	4.16E-07	1.77E-07
1171	487547.18	3856437	1.29E-03	1.26E-03	1.24E-03	4.45E-07	1.34E-06	7.78E-07	7.60E-07	6.89E-07	3.14E-07	3.10E-07	1.49E-08	3.59E-07	7.93E-08	1.03E-07	1.64E-07	2.88E-08	2.04E-08	7.69E-07	4.06E-07	1.72E-07	2.03E-07	7.96E-08	4.06E-07	1.72E-07
1172	487447.18	3856487	1.40E-03	1.37E-03	1.35E-03	4.85E-07	1.46E-06	8.47E-07	8.27E-07	7.49E-07	3.42E-07	3.37E-07	1.62E-08	3.91E-07	8.63E-08	1.12E-07	1.78E-07	3.14E-08	2.23E-08	8.37E-07	4.42E-07	1.88E-07	2.21E-07	8.67E-08	4.42E-07	1.88E-07
1173	487497.18	3856487	1.36E-03	1.33E-03	1.31E-03	4.71E-07	1.42E-06	8.24E-07	8.04E-07	7.29E-07	3.33E-07	3.28E-07	1.57E-08	3.80E-07	8.39E-08	1.09E-07	1.73E-07	3.05E-08	2.16E-08	8.14E-07	4.30E-07	1.82E-07	2.15E-07	8.43E-08	4.30E-07	1.82E-07
1174	487547.18	3856487	1.33E-03	1.29E-03	1.28E-03	4.59E-07	1.39E-06	8.03E-07	7.83E-07	7.10E-07	3.24E-07	3.20E-07	1.53E-08	3.70E-07	8.17E-08	1.06E-07	1.69E-07	2.97E-08	2.11E-08	7.93E-07	4.19E-07	1.78E-07	2.09E-07	8.21E-08	4.19E-07	1.78E-07
1175	487447.18	3856537	1.45E-03	1.42E-03	1.40E-03	5.02E-07	1.52E-06	8.78E-07	8.57E-07	7.77E-07	3.54E-07	3.50E-07	1.68E-08	4.05E-07	8.94E-08	1.16E-07	1.85E-07	3.25E-08	2.31E-08	8.68E-07	4.58E-07	1.94E-07	2.29E-07	8.98E-08	4.58E-07	1.94E-07
1176	487497.18	3856537	1.41E-03	1.37E-03	1.36E-03	4.87E-07	1.47E-06	8.52E-07	8.31E-07	7.54E-07	3.44E-07	3.39E-07	1.63E-08	3.93E-07	8.68E-08	1.13E-07	1.79E-07	3.16E-08	2.24E-08	8.42E-07	4.44E-07	1.89E-07	2.22E-07	8.71E-08	4.44E-07	1.89E-07
1177	487547.18	3856537	1.37E-03	1.34E-03	1.32E-03	4.75E-07	1.43E-06	8.29E-07	8.09E-07	7.34E-07	3.35E-07	3.30E-07	1.58E-08	3.83E-07	8.45E-08	1.10E-07	1.74E-07	3.07E-08	2.18E-08	8.20E-07	4.33E-07	1.84E-07	2.16E-07	8.48E-08	4.33E-07	1.84E-07

1178	489285.89	3858827	4.50E-03	4.39E-03	4.33E-03	1.56E-06	4.70E-06	2.72E-06	2.66E-06	2.41E-06	1.10E-06	1.08E-06	5.20E-08	1.26E-06	2.77E-07	3.61E-07	5.72E-07	1.01E-07	7.15E-08	2.69E-06	1.42E-06	6.03E-07	7.09E-07	2.78E-07	1.42E-06	6.03E-07
1179	489335.89	3858827	4.16E-03	4.06E-03	4.00E-03	1.44E-06	4.35E-06	2.52E-06	2.45E-06	2.23E-06	1.02E-06	1.00E-06	4.81E-08	1.16E-06	2.56E-07	3.33E-07	5.29E-07	9.32E-08	6.61E-08	2.49E-06	1.31E-06	5.57E-07	6.55E-07	2.57E-07	1.31E-06	5.57E-07
1180	489385.89	3858827	3.86E-03	3.77E-03	3.72E-03	1.34E-06	4.04E-06	2.34E-06	2.28E-06	2.07E-06	9.43E-07	9.31E-07	4.46E-08	1.08E-06	2.38E-07	3.10E-07	4.91E-07	8.66E-08	6.14E-08	2.31E-06	1.22E-06	5.17E-07	6.08E-07	2.39E-07	1.22E-06	5.17E-07
1181	489435.89	3858827	3.61E-03	3.52E-03	3.48E-03	1.25E-06	3.77E-06	2.19E-06	2.13E-06	1.93E-06	8.82E-07	8.70E-07	4.17E-08	1.01E-06	2.23E-07	2.90E-07	4.59E-07	8.09E-08	5.74E-08	2.16E-06	1.14E-06	4.84E-07	5.69E-07	2.24E-07	1.14E-06	4.84E-07
1182	489485.89	3858827	3.40E-03	3.31E-03	3.27E-03	1.18E-06	3.55E-06	2.05E-06	2.00E-06	1.82E-06	8.29E-07	8.18E-07	3.92E-08	9.48E-07	2.09E-07	2.72E-07	4.32E-07	7.61E-08	5.40E-08	2.03E-06	1.07E-06	4.55E-07	5.35E-07	2.10E-07	1.07E-06	4.55E-07
1183	489535.89	3858827	3.21E-03	3.13E-03	3.09E-03	1.11E-06	3.35E-06	1.94E-06	1.89E-06	1.72E-06	7.83E-07	7.73E-07	3.71E-08	8.95E-07	1.98E-07	2.57E-07	4.08E-07	7.18E-08	5.10E-08	1.92E-06	1.01E-06	4.29E-07	5.05E-07	1.98E-07	1.01E-06	4.29E-07
1184	489585.89	3858827	3.04E-03	2.97E-03	2.93E-03	1.05E-06	3.18E-06	1.84E-06	1.79E-06	1.63E-06	7.42E-07	7.32E-07	3.51E-08	8.49E-07	1.87E-07	2.44E-07	3.87E-07	6.81E-08	4.83E-08	1.82E-06	9.59E-07	4.07E-07	4.79E-07	1.88E-07	9.59E-07	4.07E-07
1185	489635.89	3858827	2.89E-03	2.82E-03	2.78E-03	1.00E-06	3.02E-06	1.75E-06	1.71E-06	1.55E-06	7.06E-07	6.97E-07	3.34E-08	8.07E-07	1.78E-07	2.32E-07	3.68E-07	6.48E-08	4.59E-08	1.73E-06	9.12E-07	3.87E-07	4.55E-07	1.79E-07	9.12E-07	3.87E-07
1186	489685.89	3858827	2.76E-03	2.69E-03	2.65E-03	9.54E-07	2.88E-06	1.67E-06	1.63E-06	1.48E-06	6.73E-07	6.64E-07	3.19E-08	7.70E-07	1.70E-07	2.21E-07	3.51E-07	6.18E-08	4.38E-08	1.65E-06	8.70E-07	3.69E-07	4.34E-07	1.71E-07	8.70E-07	3.69E-07
1187	489735.89	3858827	2.64E-03	2.57E-03	2.54E-03	9.12E-07	2.75E-06	1.59E-06	1.56E-06	1.41E-06	6.44E-07	6.35E-07	3.05E-08	7.36E-07	1.62E-07	2.11E-07	3.35E-07	5.91E-08	4.19E-08	1.58E-06	8.32E-07	3.53E-07	4.15E-07	1.63E-07	8.32E-07	3.53E-07
1188	489785.89	3858827	2.53E-03	2.47E-03	2.43E-03	8.75E-07	2.64E-06	1.53E-06	1.49E-06	1.35E-06	6.17E-07	6.09E-07	2.92E-08	7.06E-07	1.56E-07	2.03E-07	3.21E-07	5.66E-08	4.02E-08	1.51E-06	7.98E-07	3.38E-07	3.98E-07	1.56E-07	7.98E-07	3.38E-07
1189	489835.89	3858827	2.42E-03	2.37E-03	2.33E-03	8.39E-07	2.53E-06	1.47E-06	1.43E-06	1.30E-06	5.92E-07	5.84E-07	2.80E-08	6.77E-07	1.49E-07	1.94E-07	3.08E-07	5.43E-08	3.85E-08	1.45E-06	7.65E-07	3.25E-07	3.82E-07	1.50E-07	7.65E-07	3.25E-07
1190	489885.89	3858827	2.33E-03	2.28E-03	2.25E-03	8.08E-07	2.44E-06	1.41E-06	1.38E-06	1.25E-06	5.70E-07	5.62E-07	2.70E-08	6.52E-07	1.44E-07	1.87E-07	2.97E-07	5.23E-08	3.71E-08	1.40E-06	7.37E-07	3.13E-07	3.68E-07	1.44E-07	7.37E-07	3.13E-07
1191	489935.89	3858827	2.25E-03	2.19E-03	2.17E-03	7.78E-07	2.35E-06	1.36E-06	1.33E-06	1.20E-06	5.49E-07	5.42E-07	2.60E-08	6.28E-07	1.39E-07	1.80E-07	2.86E-07	5.04E-08	3.57E-08	1.34E-06	7.10E-07	3.01E-07	3.54E-07	1.39E-07	7.10E-07	3.01E-07
1192	489985.89	3858827	2.17E-03	2.12E-03	2.09E-03	7.51E-07	2.27E-06	1.31E-06	1.28E-06	1.16E-06	5.30E-07	5.23E-07	2.51E-08	6.06E-07	1.34E-07	1.74E-07	2.76E-07	4.86E-08	3.45E-08	1.30E-06	6.84E-07	2.90E-07	3.42E-07	1.34E-07	6.84E-07	2.90E-07
1193	490035.89	3858827	2.09E-03	2.04E-03	2.01E-03	7.23E-07	2.18E-06	1.26E-06	1.23E-06	1.12E-06	5.10E-07	5.03E-07	2.41E-08	5.83E-07	1.29E-07	1.67E-07	2.66E-07	4.68E-08	3.32E-08	1.25E-06	6.59E-07	2.80E-07	3.29E-07	1.29E-07	6.59E-07	2.80E-07
1194	489285.89	3858877	5.22E-03	5.09E-03	5.02E-03	1.81E-06	5.45E-06	3.16E-06	3.08E-06	2.79E-06	1.27E-06	1.26E-06	6.03E-08	1.46E-06	3.22E-07	4.18E-07	6.64E-07	1.17E-07	8.30E-08	3.12E-06	1.65E-06	6.99E-07	8.22E-07	3.23E-07	1.65E-06	6.99E-07
1195	489335.89	3858877	4.76E-03	4.64E-03	4.58E-03	1.65E-06	4.98E-06	2.88E-06	2.81E-06	2.55E-06	1.16E-06	1.15E-06	5.50E-08	1.33E-06	2.93E-07	3.82E-07	6.05E-07	1.07E-07	7.57E-08	2.85E-06	1.50E-06	6.37E-07	7.50E-07	2.95E-07	1.50E-06	6.37E-07
1196	489385.89	3858877	4.38E-03	4.27E-03	4.22E-03	1.52E-06	4.58E-06	2.65E-06	2.59E-06	2.34E-06	1.07E-06	1.06E-06	5.06E-08	1.22E-06	2.70E-07	3.51E-07	5.57E-07	9.82E-08	6.96E-08	2.62E-06	1.38E-06	5.87E-07	6.90E-07	2.71E-07	1.38E-06	5.87E-07
1197	489435.89	3858877	4.06E-03	3.96E-03	3.91E-03	1.41E-06	4.24E-06	2.46E-06	2.40E-06	2.17E-06	9.91E-07	9.78E-07	4.69E-08	1.13E-06	2.50E-07	3.25E-07	5.16E-07	9.10E-08	6.45E-08	2.43E-06	1.28E-06	5.44E-07	6.39E-07	2.51E-07	1.28E-06	5.44E-07
1198	489485.89	3858877	3.78E-03	3.69E-03	3.64E-03	1.31E-06	3.96E-06	2.29E-06	2.23E-06	2.03E-06	9.24E-07	9.12E-07	4.37E-08	1.06E-06	2.33E-07	3.03E-07	4.81E-07	8.48E-08	6.02E-08	2.26E-06	1.19E-06	5.07E-07	5.96E-07	2.34E-07	1.19E-06	5.07E-07
1199	489535.89	3858877	3.55E-03	3.46E-03	3.42E-03	1.23E-06	3.71E-06	2.15E-06	2.09E-06	1.90E-06	8.66E-07	8.55E-07	4.10E-08	9.91E-07	2.19E-07	2.84E-07	4.51E-07	7.95E-08	5.64E-08	2.12E-06	1.12E-06	4.75E-07	5.59E-07	2.20E-07	1.12E-06	4.75E-07
1200	489585.89	3858877	3.34E-03	3.26E-03	3.21E-03	1.16E-06	3.49E-06	2.02E-06	1.97E-06	1.79E-06	8.15E-07	8.04E-07	3.86E-08	9.32E-07	2.06E-07	2.68E-07	4.25E-07	7.48E-08	5.31E-08	2.00E-06	1.05E-06	4.47E-07	5.26E-07	2.07E-07	1.05E-06	4.47E-07
1201	489635.89	3858877	3.16E-03	3.08E-03	3.04E-03	1.09E-06	3.30E-06	1.91E-06	1.87E-06	1.69E-06	7.72E-07	7.61E-07	3.65E-08	8.82E-07	1.95E-07	2.53E-07	4.02E-07	7.08E-08	5.02E-08	1.89E-06	9.97E-07	4.23E-07	4.98E-07	1.96E-07	9.97E-07	4.23E-07
1202	489685.89	3858877	3.00E-03	2.93E-03	2.89E-03	1.04E-06	3.13E-06	1.81E-06	1.77E-06	1.61E-06	7.32E-07	7.23E-07	3.47E-08	8.37E-07	1.85E-07	2.40E-07	3.81E-07	6.72E-08	4.77E-08	1.79E-06	9.47E-07	4.02E-07	4.72E-07	1.86E-07	9.47E-07	4.02E-07
1203	489735.89	3858877	2.85E-03	2.78E-03	2.75E-03	9.88E-07	2.98E-06	1.73E-06	1.69E-06	1.53E-06	6.97E-07	6.88E-07	3.30E-08	7.97E-07	1.76E-07	2.29E-07	3.63E-07	6.40E-08	4.54E-08	1.71E-06	9.01E-07	3.82E-07	4.50E-07	1.77E-07	9.01E-07	3.82E-07
1204	489785.89	3858877	2.73E-03	2.66E-03	2.63E-03	9.44E-07	2.85E-06	1.65E-06	1.61E-06	1.46E-06	6.66E-07	6.57E-07	3.15E-08	7.61E-07	1.68E-07	2.19E-07	3.47E-07	6.11E-08	4.33E-08	1.63E-06	8.61E-07	3.65E-07	4.30E-07	1.69E-07	8.61E-07	3.65E-07
1205	489835.89	3858877	2.61E-03	2.55E-03	2.51E-03	9.04E-07	2.73E-06	1.58E-06	1.54E-06	1.40E-06	6.38E-07	6.29E-07	3.02E-08	7.29E-07	1.61E-07	2.09E-07	3.32E-07	5.85E-08	4.15E-08	1.56E-06	8.24E-07	3.50E-07	4.11E-07	1.62E-07	8.24E-07	3.50E-07
1206	489885.89	3858877	2.51E-03	2.45E-03	2.41E-03	8.68E-07	2.62E-06	1.52E-06	1.48E-06	1.34E-06	6.12E-07	6.04E-07	2.90E-08	7.00E-07	1.54E-07	2.01E-07	3.19E-07	5.62E-08	3.99E-08	1.50E-06	7.91E-07	3.36E-07	3.95E-07	1.55E-07	7.91E-07	3.36E-07
1207	489935.89	3858877	2.41E-03	2.35E-03	2.32E-03	8.33E-07	2.52E-06	1.46E-06	1.42E-06	1.29E-06	5.88E-07	5.80E-07	2.78E-08	6.72E-07	1.48E-07	1.93E-07	3.06E-07	5.40E-08	3.83E-08	1.44E-06	7.60E-07	3.22E-07	3.79E-07	1.49E-07	7.60E-07	3.22E-07
1208	489985.89	3858877	2.31E-03	2.25E-03	2.23E-03	8.00E-07	2.42E-06	1.40E-06	1.36E-06	1.24E-06	5.64E-07	5.57E-07	2.67E-08	6.45E-07	1.42E-07	1.85E-07	2.94E-07	5.18E-08	3.67E-08	1.38E-06	7.29E-07	3.09E-07	3.64E-07	1.43E-07	7.29E-07	3.09E-07
1209	490035.89	3858877	2.22E-03	2.17E-03	2.14E-03	7.69E-07	2.32E-06	1.34E-06	1.31E-06	1.19E-06	5.43E-07	5.35E-07	2.57E-08	6.20E-07	1.37E-07	1.78E-07	2.83E-07	4.98E-08	3.53E-08	1.33E-06	7.01E-07	2.98E-07	3.50E-07	1.37E-07	7.01E-07	2.98E-07
1210	489285.89	3858927	6.22E-03	6.07E-03	5.99E-03	2.15E-06	6.50E-06	3.77E-06	3.67E-06	3.33E-06	1.52E-06	1.50E-06	7.19E-08	1.74E-06	3.83E-07	4.99E-07	7.91E-07	1.39E-07	9.89E-08	3.72E-06	1.96E-06	8.33E-07	9.80E-07	3.85E-07	1.96E-06	8.33E-07
1211	489335.89	3858927	5.58E-03	5.45E-03	5.37E-03	1.93E-06	5.83E-06	3.38E-06	3.29E-06	2.99E-06	1.36E-06	1.34E-06	6.45E-08	1.56E-06	3.44E-07	4.47E-07	7.10E-07	1.25E-07	8.87E-08	3.34E-06	1.76E-06	7.47E-07	8.79E-07	3.45E-07	1.76E-06	7.47E-07
1212	489385.89	3858927	5.06E-03	4.94E-03	4.87E-03	1.75E-06	5.29E-06	3.06E-06	2.99E-06	2.71E-06	1.24E-06	1.22E-06	5.85E-08	1.41E-06	3.12E-07	4.06E-07	6.43E-07	1.13E-07	8.04E-08	3.03E-06	1.60E-06	6.77E-07	7.97E-07	3.13E-07	1.60E-06	6.77E-07
1213	489435.89	3858927	4.64E-03	4.52E-03	4.46E-03	1.60E-06	4.84E-06	2.80E-06	2.74E-06	2.48E-06	1.13E-06	1.12E-06	5.36E-08	1.29E-06	2.86E-07	3.72E-07	5.89E-07	1.04E-07	7.37E-08	2.77E-06	1.46E-06	6.21E-07	7.30E-07	2.87E-07	1.46E-06	6.21E-07
1214	489485.89	3858927	4.28E-03	4.18E-03	4.12E-03	1.48E-06	4.47E-06	2.59E-06	2.53E-06	2.29E-06	1.05E-06	1.03E-06	4.95E-08	1.20E-06	2.64E-07	3.43E-07	5.44E-07	9.59E-08	6.80E-08	2.56E-06	1.35E-06	5.73E-07	6.74E-07	2.65E-07	1.35E-06	5.73E-07
1215	489535.89	3858927	3.98E-03	3.88E-03	3.83E-03	1.38E-06	4.16E-06	2.41E-06	2.35E-06	2.13E-06	9.71E-07	9.59E-07	4.60E-08	1.11E-06	2.45E-07	3.19E-07	5.06E-07	8.92E-08	6.32E-08	2.38E-06	1.26E-06	5.33E-07	6.27E-07	2.46E-07	1.26E-06	5.33E-07
1216	489585.89	3858927	3.72E-03	3.63E-03	3.58E-03	1.29E-06	3.88E-06	2.25E-06	2.19E-06	1.99E-06	9.08E-07	8.96E-07	4.30E-08	1.04E-06	2.29E-07	2.98E-07	4.73E-07	8.33E-08	5.91E-08	2.22E-06	1.17E-06	4.98E-07	5.86E-07	2.30E-07	1.17E-06	4.98E-07
1217	489635.89	3858927	3.49E-03	3.41E-03	3.36E-03	1.21E-06	3.65E-06	2.11E-06	2.06E-06	1.87E-06	8.53E-07	8.41E-07	4.04E-08	9.75E-07	2.15E-07	2.80E-07	4.44E-07	7.83E-08	5.55E-08	2.09E-06	1.10E-06	4.68E-07	5.50E-07	2.16E-07	1.10E-06	4.68E-07
1218	489685.89	3858927	3.29E-03	3.21E-03	3.17E-03	1.14E-06	3.44E-06	1.99E-06	1.94E-06	1.76E-06	8.04E-07	7.93E-07	3.81E-08	9.19E-07	2.03E-07	2.64E-07	4.19E-07	7.38E-08	5.23E-08	1.97E-06	1.04E-06	4.41E-07	5.19E-07	2.04E-07	1.04E-06	4.41E-07
1219	489735.89	3858927	3.12E-03	3.05E-03	3.01E-03	1.08E-06	3.26E-06	1.89E-06	1.84E-06	1.67E-06	7.62E-07	7.52E-07	3.61E-08	8.72E-07	1.92E-07	2.50E-07	3.97E-07	7.00E-08	4.96E-08	1.87E-06	9.85E-07	4.18E-07	4.92E-07	1.93E-07	9.85E-07	4.18E-07
1220	489785.89	3858927	2.97E-03	2.90E-03	2.86E-03	1.03E-06	3.10E-06	1.80E-06	1.75E-06	1.59E-06	7.25E-07	7.16E-07	3.43E-08	8.29E-07	1.83E-07	2.38E-07	3.78E-07	6.66E-08	4.72E-08	1.78E-06	9.37E-07	3.98E-07	4.68E-07	1.84E-07	9.37E-07	3.98E-07
1221	489835.89	3858927	2.83E-03	2.76E-03	2.72E-03	9.79E-07	2.96E-06	1.71E-06	1.67E-06	1.51E-06	6.91E-07	6.82E-07	3.27E-08	7.90E-07	1.74E-07	2.27E-07	3.60E-07	6.34E-08	4.50E-08	1.69E-06	8.93E-07	3.79E-07	4.46E-07	1.75E-07	8.93E-07	3.79E-07
1222	489885.89	3858927	2.71E-03	2.64E-03	2.61E-03	9.37E-07	2.83E-06	1.64E-06	1.60E-06	1.45E-06	6.61E-07	6.52E-07	3.13E-08	7.56E-07	1.67E-07	2.17E-07	3.44E-07	6.06E-08	4.30E-08	1.62E-06	8.54E-07	3.62E-07	4.26E-07	1.67E-07	8.54E-07	3.62E-07
1223	489935.89	3858927	2.59E-03	2.53E-03	2.50E-03	8.97E-07	2.71E-06	1.57E-06	1.53E-06	1.39E-06	6.33E-07	6.24E-07	3.00E-08	7.24E-07	1.60E-07	2.08E-07	3.30E-07	5.81E-08	4.12E-08	1.55E-06	8.18E-07	3.47E-07	4.08E-07	1.60E-07	8.18E-07	3.47E-07
1224	489985.89	3858927	2.48E-03	2.42E-03	2.39E-03	8.59E-07	2.59E-06	1.50E-06	1.47E-06	1.33E-06	6.06E-07	5.98E-07	2.87E-08	6.93E-07	1.53E-07	1.99E-07	3.16E-07	5.56E-08	3.95E-08	1.48E-06	7.84E-07	3.32E-07	3.91E-07	1.54E-07	7.84E-07	3.32E-07
1225	490035.89	3858927	2.37E-03	2.31E-03	2.28E-03	8.20E-07	2.48E-06	1.43E-06	1.40E-06	1.27E-06	5.79E-07	5.71E-07	2.74E-08	6.61E-07	1.46E-07	1.90E-07	3.01E-07	5.31E-08	3.77E-08	1.42E-06	7.48E-07	3.17E-07	3.73E-07	1.47E-07	7.48E-07	3.17E-07
1226	489335.89	3858977	6.74E-03	6.58E-03	6.49E-03	2.33E-06	7.05E-06	4.08E-06	3.98E-06	3.61E-06	1.65E-06	1.63E-06	7.80E-08	1.88E-06	4.16E-07	5.41E-07	8.58E-07	1.51E-07	1.07E-07	4.03E-06	2.13E-06	9.03E-07	1.06E-06	4.17E-07	2.13E-06	9.03E-07
1227	489385.89	3858977	6.00E-03	5.85E-03	5.78E-03	2.08E-06	6.27E-06	3.63E-06	3.54E-06	3.21E-06	1.47E-06	1.45E-06	6.94E-08	1.68E-06	3.70E-07	4.81E-07	7.63E-07	1.34E-07	9.54E-08	3.59E-06	1.89E-06	8.03E-07	9.45E-07	3.71E-07	1.89E-06	8.03E-07
1228	489435.89	3858977	5.42E-03	5.29E-03	5.22E-03	1.88E-06	5.66E-06	3.28E-06	3.20E-06	2.90E-06	1.32E-06	1.31E-06	6.27E-08	1.51E-06	3.34E-07	4.34E-07	6.89E-07	1.21E-07	8.62E-08	3.24E-06	1.71E-06	7.26E-07	8.54E-07	3.35E-07	1.71E-06	7.26E-07
1229	489485.89	3858977	4.94E-03	4.82E-03	4.75E-03	1.71E-06	5.16E-06	2.99E-06	2.92E-06	2.64E-06	1.21E-06	1.19E-06	5.71E-08	1.38E-06	3.04E-07	3.96E-07	6.28E-07	1.11E-07	7.85E-08	2.95E-06	1.56E-06	6.61E-07	7.78E-07	3.06E-07	1.56E-06	6.61E-07
1230	489535.89	3858977	4.54E-03	4.43E-03	4.37E-03	1.57E-06	4.74E-06	2.74E-06	2.68E-06	2.43E-06	1.11E-06	1.09E-06	5.24E-08	1.27E-06	2.79E-07	3.64E-07	5.77E-07	1.02E-07	7.21E-08	2.71E-06	1.43E-06	6.07E-07	7.15E-07	2.81E-07	1.43E-06	6.07E-07
1231	489585.89	3858977	4.20E-03	4.10E-03	4.05E-03	1.46E-06	4.39E-06	2.54E-06	2.48E-06	2.25E-06	1.03E-06	1.01E-06	4.86E-08	1.17E-06	2.59E-07	3.37E-07	5.35E-07	9.42E-08	6.68E-08	2.51E-06	1.33E-06	5.63E-07	6.62E-07	2.60E-07	1.33E-06	5.63E-07
1232	489635.89	3858977	3.92E-03	3.82E-03	3.77E-03	1.36E-06	4.09E-06	2.37E-06	2.31E-06	2.10E-06	9.56E-07	9.43E-07	4.53E-08	1.09E-06	2.41E-07	3.14E-07	4.98E-07	8.77E-08	6.22E-08	2.34E-06	1.24E-06	5.24E-07	6.17E-07	2.42E-07	1.24E-06	5.24E-07
1233	489685.89	3858977	3.66E-03	3.58E-03	3.53E-03	1.27E-06	3.83E-06	2.22E-06	2.16E-06	1.96E-06	8.95E-07	8.83E-07	4.24E-08	1.02E-06	2.26E-07	2.94E-07	4.66E-07	8.21E-08	5.82E-08	2.19E-06	1.16E-06	4.91E-07	5.77E-07	2.27E-07	1.16E-06	4.91E-07
1234	489735.89	3858977	3.45E-03	3.37E-03	3.32E-03	1.19E-06	3.61E-06	2.09E-06	2.04E-06	1.85E-06	8.42E-07	8.31E-07	3.99E-08	9.63E-07	2.13E-07	2.77E-07	4.39E-07	7.73E-08	5.48E-08	2.06E-06	1.09E-06	4.62E-07	5.43E-07	2.13E-07	1.09E-06	4.62E-07
1235	489785.89	3858977	3.26E-03	3.19E-03	3.14E-03	1.13E-06	3.41E-06	1.98E-06	1.93E-06	1.75E-06	7.97E-07	7.87E-07	3.77E-08	9.11E-07	2.01E-07	2.62E-07	4.15E-07	7.32E-08	5.19E-08	1.95E-06	1.03E-06	4.37E-07	5.14E-07	2.02E-07	1.03E-06	4.37E-07
1236	489835.89	3858977	3.10E-03	3.02E-03	2.98E-03	1.07E-06	3.24E-06	1.87E-06	1.83E-06	1.66E-06	7.57E-07	7.47E-07	3.58E-08	8.65E-07	1.91E-07	2.48E-07	3.94E-07	6.94E-08	4.92E-08	1.85E-06	9.78E-07	4.15E-07	4.88E-07	1.92E-07	9.78E-07	4.15E-07
1237	489885.89	3858977	2.94E-03	2.87E-03	2.83E-03	1.02E-06	3.08E-06	1.78E-06	1.74E-06	1.58E-06	7.19E-07	7.09E-07	3.40E-08	8.22E-07	1.81E-07	2.36E-07	3.74E-07	6.60E-08	4.68E-08	1.76E-06	9.29E-07	3.94E-07	4.64E-07	1.82E-07	9.29E-07	3.94E-07
1238	489935.89	3858977	2.80E-03	2.74E-03	2.70E-03	9.71E-07	2.93E-06	1.70E-06	1.66E-06	1.50E-06	6.85E-07	6.76E-07	3.24E-08	7.83E-07	1.73E-07	2.25E-07	3.57E-07	6.29E-08	4.46E-08	1.68E-06	8.85E-07	3.76E-07	4.42E-07	1.74E-07	8.85E-07	3.76E-07
1239	489985.89	3858977	2.68E-03	2.61E-03	2.58E-03	9.28E-07	2.80E-06	1.62E-06	1.58E-06	1.43E-06	6.54E-07	6.46E-07	3.10E-08	7.48E-07	1.65E-07	2.15E-07	3.41E-07	6.01E-08	4.26E-08	1.60E-06	8.46E-07	3.59E-07	4.22E-07	1.66E-07	8.46E-07	3.59E-07
1240	490035.89	3858977	2.52E-03	2.46E-03	2.43E-03	8.74E-07	2.64E-06	1.53E-06	1.49E-06	1.35E-06	6.17E-07	6.08E-07	2.92E-08	7.05E-07	1.56E-07	2.02E-07	3.21E-07	5.66E-08	4.01E-08	1.51E-06	7.97E-07	3.38E-07	3.98E-07	1.56E-07	7.97E-07	3.38E-07
1241	489385.89	3859027	7.40E-03	7.22E-03	7.12E-03	2.56E-06	7.73E-06	4.48E-06	4.37E-06	3.96E-06	1.81E-06	1.78E-06	8.55E-08	2.07E-06	4.56E-07	5.93E-07	9.41E-07	1.66E-07	1.18E-07	4.42E-06	2.33E-06	9.90E-07	1.17E-06	4.58E-07	2.33E-06	9.90E-07
1242	489435.89	3859027	6.53E-03	6.37E-03	6.29E-03	2.26E-06	6.82E-06	3.95E-06	3.85E-06	3.49E-06	1.59E-06	1.57E-06	7.55E-08	1.82E-06	4.02E-07	5.23E-07	8.30E-07	1.46E-07	1.04E-07	3.90E-06	2.06E-06	8.74E-07	1.03E-06	4.04E-07	2.06E-06	8.74E-07
1243	489485.89	3859027	5.84E-03	5.70E-03	5.63E-03	2.02E-06	6.11E-06	3.54E-06	3.45E-06	3.13E-06	1.43E-06	1.41E-06	6.76E-08	1.63E-06	3.60E-07	4.69E-07	7.43E-07	1.31E-07	9.29E-08	3.50E-06	1.84E-06	7.83E-07	9.21E-07	3.62E-07	1.84E-06	7.83E-07
1244	489535.89	3859027	5.30E-03	5.17E-03	5.10E-03	1.83E-06	5.54E-06	3.20E-06	3.13E-06	2.83E-06	1.29E-06	1.28E-06	6.12E-08	1.48E-06	3.26E-07	4.25E-07	6.73E-07	1.19E-07	8.42E-08	3.17E-06	1.67E-06	7.09E-07	8.34E-07	3.28E-07	1.67E-06	7.09E-07
1245	489585.89	3859027	4.84E-03	4.72E-03	4.66E-03	1.68E-06	5.06E-06	2.93E-06	2.86E-06	2.59E-06	1.18E-06	1.17E-06	5.59E-08	1.35E-06	2.98E-07	3.88E-07	6.15E-07	1.08E-07	7.69E-08	2.89E-06	1.53E-06	6.48E-07	7.62E-07	2.99E-07	1.53E-06	6.48E-07
1246	489635.89	3859027	4.46E-03	4.35E-03	4.30E-03	1.54E-06	4.66E-06	2.70E-06	2.63E-06	2.39E-06	1.09E-06	1.08E-06	5.16E-08	1.25E-06	2.75E-07	3.58E-07	5.67E-07	1.00E-07	7.09E-08	2.67E-06	1.41E-06	5.98E-07	7.03E-07	2.76E-07	1.41E-06	5.98E-07
1247	489685.89	3859027	4.14E-03	4.04E-03	3.99E-03	1.43E-06	4.33E-06	2.51E-06	2.44E-06	2.22E-06	1.01E-06	9.98E-07	4.79E-08	1.16E-06	2.55E-07	3.32E-07	5.27E-07	9.28E-08	6.58E-08	2.48E-06	1.31E-06	5.55E-07	6.52E-07	2.56E-07	1.31E-06	5.55E-07
1248	489735.89	3859027	3.87E-03	3.78E-03	3.73E-03	1.34E-06	4.04E-06	2.34E-06	2.28E-06	2.07E-06	9.45E-07	9.32E-07	4.47E-08	1.08E-06	2.38E-07	3.10E-07	4.92E-07	8.67E-08	6.15E-08	2.31E-06	1.22E-06	5.18E-07	6.09E-07	2.39E-07	1.22E-06	5.18E-07
1249	489785.89	3859027	3.63E-03	3.54E-03	3.50E-03	1.26E-06	3.80E-06	2.20E-06	2.14E-06	1.94E-06	8.87E-07	8.75E-07	4.20E-08	1.01E-06	2.24E-07	2.91E-07	4.62E-07	8.14E-08	5.77E-08	2.17E-06	1.15E-06	4.86E-07	5.72E-07	2.25E-07	1.15E-06	4.86E-07
1250	489835.89	3859027	3.42E-03	3.33E-03	3.29E-03	1.18E-06	3.57E-06	2.07E-06	2.02E-06	1.83E-06	8.34E-07	8.23E-07	3.95E-08	9.54E-07	2.11E-07	2.74E-07	4.34E-07	7.66E-08	5.43E-08	2.04E-06	1.08E-06	4.58E-07	5.38E-07	2.11E-07	1.08E-06	4.58E-07
1251	489885.89	3859027	3.23E-03	3.15E-03	3.11E-03	1.12E-06	3.38E-06	1.95E-06	1.91E-06	1.73E-06	7.89E-07	7.79E-07	3.73E-08	9.02E-07	1.99E-07	2.59E-07	4.11E-07	7.24E-08	5.14E-08	1.93E-06	1.02E-06	4.33E-07	5.09E-07	2.00E-07	1.02E-06	4.33E-07

1252	489935.89	3859027	3.06E-03	2.99E-03	2.95E-03	1.06E-06	3.20E-06	1.85E-06	1.81E-06	1.64E-06	7.48E-07	7.38E-07	3.54E-08	8.55E-07	1.89E-07	2.46E-07	3.90E-07	6.87E-08	4.87E-08	1.83E-06	9.67E-07	4.10E-07	4.83E-07	1.90E-07	9.67E-07	4.10E-07
1253	489985.89	3859027	2.91E-03	2.84E-03	2.80E-03	1.01E-06	3.04E-06	1.76E-06	1.72E-06	1.56E-06	7.11E-07	7.02E-07	3.37E-08	8.13E-07	1.79E-07	2.33E-07	3.70E-07	6.53E-08	4.63E-08	1.74E-06	9.19E-07	3.90E-07	4.59E-07	1.80E-07	9.19E-07	3.90E-07
1254	490035.89	3859027	2.72E-03	2.65E-03	2.62E-03	9.42E-07	2.84E-06	1.65E-06	1.61E-06	1.46E-06	6.64E-07	6.55E-07	3.14E-08	7.59E-07	1.68E-07	2.18E-07	3.46E-07	6.10E-08	4.32E-08	1.63E-06	8.58E-07	3.64E-07	4.28E-07	1.68E-07	8.58E-07	3.64E-07
1255	489485.89	3859077	7.18E-03	7.01E-03	6.92E-03	2.49E-06	7.51E-06	4.35E-06	4.24E-06	3.84E-06	1.75E-06	1.73E-06	8.30E-08	2.01E-06	4.43E-07	5.76E-07	9.14E-07	1.61E-07	1.14E-07	4.30E-06	2.27E-06	9.62E-07	1.13E-06	4.45E-07	2.27E-06	9.62E-07
1256	489535.89	3859077	6.37E-03	6.21E-03	6.13E-03	2.20E-06	6.65E-06	3.85E-06	3.76E-06	3.41E-06	1.55E-06	1.53E-06	7.36E-08	1.78E-06	3.92E-07	5.10E-07	8.09E-07	1.43E-07	1.01E-07	3.81E-06	2.01E-06	8.52E-07	1.00E-06	3.94E-07	2.01E-06	8.52E-07
1257	489585.89	3859077	5.72E-03	5.58E-03	5.50E-03	1.98E-06	5.97E-06	3.46E-06	3.38E-06	3.06E-06	1.40E-06	1.38E-06	6.61E-08	1.60E-06	3.52E-07	4.58E-07	7.27E-07	1.28E-07	9.09E-08	3.42E-06	1.80E-06	7.65E-07	9.00E-07	3.54E-07	1.80E-06	7.65E-07
1258	489635.89	3859077	5.20E-03	5.07E-03	5.01E-03	1.80E-06	5.44E-06	3.15E-06	3.07E-06	2.78E-06	1.27E-06	1.25E-06	6.01E-08	1.45E-06	3.20E-07	4.17E-07	6.61E-07	1.17E-07	8.27E-08	3.11E-06	1.64E-06	6.96E-07	8.19E-07	3.22E-07	1.64E-06	6.96E-07
1259	489685.89	3859077	4.77E-03	4.66E-03	4.59E-03	1.65E-06	4.99E-06	2.89E-06	2.82E-06	2.55E-06	1.17E-06	1.15E-06	5.51E-08	1.33E-06	2.94E-07	3.82E-07	6.07E-07	1.07E-07	7.58E-08	2.85E-06	1.51E-06	6.39E-07	7.52E-07	2.95E-07	1.51E-06	6.39E-07
1260	489735.89	3859077	4.41E-03	4.30E-03	4.24E-03	1.53E-06	4.61E-06	2.67E-06	2.60E-06	2.36E-06	1.08E-06	1.06E-06	5.10E-08	1.23E-06	2.72E-07	3.53E-07	5.61E-07	9.88E-08	7.01E-08	2.64E-06	1.39E-06	5.90E-07	6.94E-07	2.73E-07	1.39E-06	5.90E-07
1261	489785.89	3859077	4.10E-03	4.00E-03	3.95E-03	1.42E-06	4.28E-06	2.48E-06	2.42E-06	2.19E-06	1.00E-06	9.88E-07	4.74E-08	1.14E-06	2.53E-07	3.29E-07	5.21E-07	9.19E-08	6.52E-08	2.45E-06	1.29E-06	5.49E-07	6.46E-07	2.54E-07	1.29E-06	5.49E-07
1262	489835.89	3859077	3.83E-03	3.73E-03	3.68E-03	1.32E-06	4.00E-06	2.32E-06	2.26E-06	2.05E-06	9.35E-07	9.22E-07	4.42E-08	1.07E-06	2.36E-07	3.07E-07	4.87E-07	8.58E-08	6.08E-08	2.29E-06	1.21E-06	5.12E-07	6.03E-07	2.37E-07	1.21E-06	5.12E-07
1263	489885.89	3859077	3.59E-03	3.50E-03	3.46E-03	1.24E-06	3.75E-06	2.17E-06	2.12E-06	1.92E-06	8.76E-07	8.65E-07	4.15E-08	1.00E-06	2.21E-07	2.88E-07	4.56E-07	8.04E-08	5.70E-08	2.15E-06	1.13E-06	4.81E-07	5.65E-07	2.22E-07	1.13E-06	4.81E-07
1264	489935.89	3859077	3.38E-03	3.30E-03	3.26E-03	1.17E-06	3.54E-06	2.05E-06	2.00E-06	1.81E-06	8.26E-07	8.16E-07	3.91E-08	9.45E-07	2.09E-07	2.71E-07	4.30E-07	7.58E-08	5.38E-08	2.02E-06	1.07E-06	4.53E-07	5.33E-07	2.09E-07	1.07E-06	4.53E-07
1265	489985.89	3859077	3.20E-03	3.12E-03	3.08E-03	1.11E-06	3.34E-06	1.93E-06	1.89E-06	1.71E-06	7.81E-07	7.70E-07	3.69E-08	8.92E-07	1.97E-07	2.56E-07	4.06E-07	7.16E-08	5.08E-08	1.91E-06	1.01E-06	4.28E-07	5.04E-07	1.98E-07	1.01E-06	4.28E-07
1266	490035.89	3859077	2.98E-03	2.91E-03	2.87E-03	1.03E-06	3.11E-06	1.80E-06	1.76E-06	1.59E-06	7.27E-07	7.18E-07	3.44E-08	8.32E-07	1.84E-07	2.39E-07	3.79E-07	6.68E-08	4.73E-08	1.78E-06	9.40E-07	3.99E-07	4.69E-07	1.84E-07	9.40E-07	3.99E-07
1267	489585.89	3859127	7.00E-03	6.83E-03	6.74E-03	2.42E-06	7.31E-06	4.23E-06	4.13E-06	3.75E-06	1.71E-06	1.69E-06	8.09E-08	1.95E-06	4.31E-07	5.61E-07	8.90E-07	1.57E-07	1.11E-07	4.19E-06	2.21E-06	9.37E-07	1.10E-06	4.33E-07	2.21E-06	9.37E-07
1268	489635.89	3859127	6.24E-03	6.08E-03	6.00E-03	2.16E-06	6.52E-06	3.77E-06	3.68E-06	3.34E-06	1.52E-06	1.50E-06	7.21E-08	1.74E-06	3.84E-07	5.00E-07	7.93E-07	1.40E-07	9.91E-08	3.73E-06	1.97E-06	8.35E-07	9.82E-07	3.86E-07	1.97E-06	8.35E-07
1269	489685.89	3859127	5.62E-03	5.49E-03	5.41E-03	1.95E-06	5.88E-06	3.40E-06	3.32E-06	3.01E-06	1.37E-06	1.35E-06	6.50E-08	1.57E-06	3.46E-07	4.51E-07	7.15E-07	1.26E-07	8.94E-08	3.36E-06	1.77E-06	7.53E-07	8.86E-07	3.48E-07	1.77E-06	7.53E-07
1270	489735.89	3859127	5.12E-03	5.00E-03	4.93E-03	1.77E-06	5.35E-06	3.10E-06	3.02E-06	2.74E-06	1.25E-06	1.23E-06	5.92E-08	1.43E-06	3.16E-07	4.11E-07	6.51E-07	1.15E-07	8.14E-08	3.06E-06	1.62E-06	6.86E-07	8.07E-07	3.17E-07	1.62E-06	6.86E-07
1271	489785.89	3859127	4.71E-03	4.59E-03	4.53E-03	1.63E-06	4.92E-06	2.85E-06	2.78E-06	2.52E-06	1.15E-06	1.13E-06	5.44E-08	1.31E-06	2.90E-07	3.77E-07	5.99E-07	1.05E-07	7.48E-08	2.81E-06	1.49E-06	6.30E-07	7.41E-07	2.91E-07	1.49E-06	6.30E-07
1272	489835.89	3859127	4.35E-03	4.24E-03	4.19E-03	1.51E-06	4.55E-06	2.63E-06	2.57E-06	2.33E-06	1.06E-06	1.05E-06	5.03E-08	1.21E-06	2.68E-07	3.49E-07	5.53E-07	9.75E-08	6.91E-08	2.60E-06	1.37E-06	5.83E-07	6.85E-07	2.69E-07	1.37E-06	5.83E-07
1273	489885.89	3859127	4.04E-03	3.94E-03	3.89E-03	1.40E-06	4.22E-06	2.44E-06	2.39E-06	2.16E-06	9.87E-07	9.73E-07	4.67E-08	1.13E-06	2.49E-07	3.24E-07	5.14E-07	9.05E-08	6.42E-08	2.42E-06	1.27E-06	5.41E-07	6.36E-07	2.50E-07	1.27E-06	5.41E-07
1274	489935.89	3859127	3.78E-03	3.69E-03	3.64E-03	1.31E-06	3.95E-06	2.29E-06	2.23E-06	2.02E-06	9.23E-07	9.11E-07	4.37E-08	1.06E-06	2.33E-07	3.03E-07	4.81E-07	8.47E-08	6.01E-08	2.26E-06	1.19E-06	5.06E-07	5.95E-07	2.34E-07	1.19E-06	5.06E-07
1275	489985.89	3859127	3.53E-03	3.45E-03	3.40E-03	1.22E-06	3.69E-06	2.14E-06	2.09E-06	1.89E-06	8.63E-07	8.51E-07	4.08E-08	9.86E-07	2.18E-07	2.83E-07	4.49E-07	7.92E-08	5.61E-08	2.11E-06	1.11E-06	4.73E-07	5.56E-07	2.19E-07	1.11E-06	4.73E-07
1276	490035.89	3859127	3.30E-03	3.22E-03	3.18E-03	1.14E-06	3.45E-06	2.00E-06	1.95E-06	1.77E-06	8.06E-07	7.95E-07	3.81E-08	9.21E-07	2.03E-07	2.64E-07	4.20E-07	7.39E-08	5.24E-08	1.97E-06	1.04E-06	4.42E-07	5.20E-07	2.04E-07	1.04E-06	4.42E-07
1277	489585.89	3859177	8.99E-03	8.78E-03	8.66E-03	3.11E-06	9.40E-06	5.44E-06	5.31E-06	4.81E-06	2.20E-06	2.17E-06	1.04E-07	2.51E-06	5.54E-07	7.21E-07	1.14E-06	2.02E-07	1.43E-07	5.38E-06	2.84E-06	1.20E-06	1.42E-06	5.57E-07	2.84E-06	1.20E-06
1278	489635.89	3859177	7.77E-03	7.58E-03	7.48E-03	2.69E-06	8.12E-06	4.70E-06	4.59E-06	4.16E-06	1.90E-06	1.87E-06	8.98E-08	2.17E-06	4.79E-07	6.23E-07	9.88E-07	1.74E-07	1.24E-07	4.65E-06	2.45E-06	1.04E-06	1.22E-06	4.81E-07	2.45E-06	1.04E-06
1279	489685.89	3859177	6.85E-03	6.68E-03	6.59E-03	2.37E-06	7.16E-06	4.14E-06	4.04E-06	3.67E-06	1.67E-06	1.65E-06	7.92E-08	1.91E-06	4.22E-07	5.49E-07	8.71E-07	1.53E-07	1.09E-07	4.10E-06	2.16E-06	9.17E-07	1.08E-06	4.24E-07	2.16E-06	9.17E-07
1280	489735.89	3859177	6.12E-03	5.98E-03	5.90E-03	2.12E-06	6.40E-06	3.71E-06	3.62E-06	3.28E-06	1.50E-06	1.48E-06	7.08E-08	1.71E-06	3.77E-07	4.91E-07	7.79E-07	1.37E-07	9.73E-08	3.66E-06	1.93E-06	8.20E-07	9.65E-07	3.79E-07	1.93E-06	8.20E-07
1281	489785.89	3859177	5.53E-03	5.40E-03	5.32E-03	1.91E-06	5.78E-06	3.35E-06	3.26E-06	2.96E-06	1.35E-06	1.33E-06	6.39E-08	1.54E-06	3.41E-07	4.43E-07	7.03E-07	1.24E-07	8.79E-08	3.31E-06	1.75E-06	7.40E-07	8.71E-07	3.42E-07	1.75E-06	7.40E-07
1282	489835.89	3859177	5.04E-03	4.92E-03	4.86E-03	1.75E-06	5.27E-06	3.05E-06	2.98E-06	2.70E-06	1.23E-06	1.22E-06	5.83E-08	1.41E-06	3.11E-07	4.04E-07	6.41E-07	1.13E-07	8.02E-08	3.02E-06	1.59E-06	6.75E-07	7.95E-07	3.12E-07	1.59E-06	6.75E-07
1283	489885.89	3859177	4.63E-03	4.52E-03	4.46E-03	1.60E-06	4.84E-06	2.80E-06	2.74E-06	2.48E-06	1.13E-06	1.12E-06	5.35E-08	1.29E-06	2.85E-07	3.71E-07	5.89E-07	1.04E-07	7.36E-08	2.77E-06	1.46E-06	6.20E-07	7.30E-07	2.87E-07	1.46E-06	6.20E-07
1284	489935.89	3859177	4.29E-03	4.19E-03	4.13E-03	1.49E-06	4.48E-06	2.60E-06	2.53E-06	2.30E-06	1.05E-06	1.03E-06	4.96E-08	1.20E-06	2.64E-07	3.44E-07	5.46E-07	9.62E-08	6.82E-08	2.57E-06	1.35E-06	5.75E-07	6.76E-07	2.66E-07	1.35E-06	5.75E-07
1285	489985.89	3859177	3.97E-03	3.88E-03	3.82E-03	1.37E-06	4.15E-06	2.40E-06	2.34E-06	2.13E-06	9.70E-07	9.57E-07	4.59E-08	1.11E-06	2.45E-07	3.18E-07	5.05E-07	8.90E-08	6.31E-08	2.38E-06	1.25E-06	5.32E-07	6.26E-07	2.46E-07	1.25E-06	5.32E-07
1286	490035.89	3859177	3.72E-03	3.63E-03	3.58E-03	1.29E-06	3.89E-06	2.25E-06	2.20E-06	1.99E-06	9.09E-07	8.97E-07	4.30E-08	1.04E-06	2.29E-07	2.98E-07	4.73E-07	8.34E-08	5.92E-08	2.23E-06	1.17E-06	4.98E-07	5.86E-07	2.30E-07	1.17E-06	4.98E-07
1287	489685.89	3859227	8.74E-03	8.53E-03	8.41E-03	3.02E-06	9.13E-06	5.29E-06	5.16E-06	4.68E-06	2.13E-06	2.11E-06	1.01E-07	2.44E-06	5.38E-07	7.00E-07	1.11E-06	1.96E-07	1.39E-07	5.23E-06	2.76E-06	1.17E-06	1.38E-06	5.41E-07	2.76E-06	1.17E-06
1288	489735.89	3859227	7.60E-03	7.42E-03	7.32E-03	2.63E-06	7.94E-06	4.60E-06	4.49E-06	4.07E-06	1.86E-06	1.83E-06	8.79E-08	2.12E-06	4.68E-07	6.09E-07	9.67E-07	1.70E-07	1.21E-07	4.55E-06	2.40E-06	1.02E-06	1.20E-06	4.70E-07	2.40E-06	1.02E-06
1289	489785.89	3859227	6.71E-03	6.55E-03	6.46E-03	2.32E-06	7.01E-06	4.06E-06	3.96E-06	3.59E-06	1.64E-06	1.62E-06	7.76E-08	1.87E-06	4.14E-07	5.38E-07	8.53E-07	1.50E-07	1.07E-07	4.01E-06	2.12E-06	8.99E-07	1.06E-06	4.15E-07	2.12E-06	8.99E-07
1290	489835.89	3859227	6.00E-03	5.85E-03	5.78E-03	2.08E-06	6.27E-06	3.63E-06	3.54E-06	3.21E-06	1.47E-06	1.45E-06	6.93E-08	1.68E-06	3.70E-07	4.81E-07	7.63E-07	1.34E-07	9.54E-08	3.59E-06	1.89E-06	8.03E-07	9.45E-07	3.71E-07	1.89E-06	8.03E-07
1291	489885.89	3859227	5.43E-03	5.30E-03	5.23E-03	1.88E-06	5.68E-06	3.29E-06	3.21E-06	2.91E-06	1.33E-06	1.31E-06	6.28E-08	1.52E-06	3.35E-07	4.35E-07	6.91E-07	1.22E-07	8.63E-08	3.25E-06	1.71E-06	7.27E-07	8.55E-07	3.36E-07	1.71E-06	7.27E-07
1292	489935.89	3859227	4.96E-03	4.84E-03	4.77E-03	1.72E-06	5.18E-06	3.00E-06	2.93E-06	2.65E-06	1.21E-06	1.19E-06	5.73E-08	1.38E-06	3.05E-07	3.97E-07	6.30E-07	1.11E-07	7.88E-08	2.96E-06	1.56E-06	6.64E-07	7.81E-07	3.07E-07	1.56E-06	6.64E-07
1293	489985.89	3859227	4.52E-03	4.41E-03	4.36E-03	1.57E-06	4.73E-06	2.74E-06	2.67E-06	2.42E-06	1.10E-06	1.09E-06	5.23E-08	1.26E-06	2.79E-07	3.63E-07	5.75E-07	1.01E-07	7.19E-08	2.70E-06	1.43E-06	6.06E-07	7.13E-07	2.80E-07	1.43E-06	6.06E-07
1294	490035.89	3859227	4.21E-03	4.10E-03	4.05E-03	1.46E-06	4.40E-06	2.55E-06	2.48E-06	2.25E-06	1.03E-06	1.01E-06	4.86E-08	1.17E-06	2.59E-07	3.37E-07	5.35E-07	9.43E-08	6.69E-08	2.52E-06	1.33E-06	5.63E-07	6.63E-07	2.60E-07	1.33E-06	5.63E-07
1295	489735.89	3859277	1.00E-02	9.77E-03	9.64E-03	3.46E-06	1.05E-05	6.06E-06	5.91E-06	5.36E-06	2.44E-06	2.41E-06	1.16E-07	2.79E-06	6.17E-07	8.02E-07	1.27E-06	2.24E-07	1.59E-07	5.98E-06	3.16E-06	1.34E-06	1.58E-06	6.19E-07	3.16E-06	1.34E-06
1296	489785.89	3859277	8.53E-03	8.33E-03	8.22E-03	2.95E-06	8.92E-06	5.16E-06	5.04E-06	4.57E-06	2.08E-06	2.06E-06	9.87E-08	2.38E-06	5.26E-07	6.84E-07	1.09E-06	1.91E-07	1.36E-07	5.10E-06	2.69E-06	1.14E-06	1.34E-06	5.28E-07	2.69E-06	1.14E-06
1297	489835.89	3859277	7.41E-03	7.23E-03	7.14E-03	2.57E-06	7.75E-06	4.48E-06	4.38E-06	3.97E-06	1.81E-06	1.79E-06	8.57E-08	2.07E-06	4.57E-07	5.94E-07	9.43E-07	1.66E-07	1.18E-07	4.43E-06	2.34E-06	9.93E-07	1.17E-06	4.59E-07	2.34E-06	9.93E-07
1298	489885.89	3859277	6.57E-03	6.41E-03	6.32E-03	2.27E-06	6.86E-06	3.97E-06	3.88E-06	3.51E-06	1.60E-06	1.58E-06	7.59E-08	1.83E-06	4.05E-07	5.26E-07	8.35E-07	1.47E-07	1.04E-07	3.93E-06	2.07E-06	8.79E-07	1.03E-06	4.06E-07	2.07E-06	8.79E-07
1299	489935.89	3859277	5.88E-03	5.74E-03	5.66E-03	2.03E-06	6.14E-06	3.56E-06	3.47E-06	3.15E-06	1.44E-06	1.42E-06	6.80E-08	1.64E-06	3.62E-07	4.71E-07	7.48E-07	1.32E-07	9.34E-08	3.52E-06	1.86E-06	7.87E-07	9.26E-07	3.64E-07	1.86E-06	7.87E-07
1300	489985.89	3859277	5.27E-03	5.14E-03	5.07E-03	1.82E-06	5.50E-06	3.19E-06	3.11E-06	2.82E-06	1.29E-06	1.27E-06	6.09E-08	1.47E-06	3.24E-07	4.22E-07	6.70E-07	1.18E-07	8.37E-08	3.15E-06	1.66E-06	7.05E-07	8.30E-07	3.26E-07	1.66E-06	7.05E-07
1301	490035.89	3859277	4.86E-03	4.75E-03	4.68E-03	1.68E-06	5.08E-06	2.94E-06	2.87E-06	2.60E-06	1.19E-06	1.17E-06	5.62E-08	1.36E-06	3.00E-07	3.90E-07	6.19E-07	1.09E-07	7.73E-08	2.91E-06	1.54E-06	6.51E-07	7.66E-07	3.01E-07	1.54E-06	6.51E-07
1302	490458.06	3859591	8.29E-03	8.09E-03	7.98E-03	2.87E-06	8.67E-06	5.02E-06	4.90E-06	4.44E-06	2.03E-06	2.00E-06	9.59E-08	2.32E-06	5.11E-07	6.65E-07	1.05E-06	1.86E-07	1.32E-07	4.96E-06	2.62E-06	1.11E-06	1.31E-06	5.13E-07	2.62E-06	1.11E-06
1303	490508.06	3859591	7.33E-03	7.16E-03	7.06E-03	2.54E-06	7.66E-06	4.44E-06	4.33E-06	3.92E-06	1.79E-06	1.77E-06	8.48E-08	2.05E-06	4.52E-07	5.88E-07	9.33E-07	1.64E-07	1.17E-07	4.39E-06	2.31E-06	9.82E-07	1.16E-06	4.54E-07	2.31E-06	9.82E-07
1304	490558.06	3859591	6.53E-03	6.37E-03	6.29E-03	2.26E-06	6.83E-06	3.95E-06	3.86E-06	3.50E-06	1.60E-06	1.57E-06	7.55E-08	1.82E-06	4.02E-07	5.24E-07	8.31E-07	1.46E-07	1.04E-07	3.91E-06	2.06E-06	8.75E-07	1.03E-06	4.04E-07	2.06E-06	8.75E-07
1305	490608.06	3859591	5.87E-03	5.73E-03	5.65E-03	2.03E-06	6.14E-06	3.55E-06	3.47E-06	3.14E-06	1.43E-06	1.41E-06	6.79E-08	1.64E-06	3.62E-07	4.71E-07	7.47E-07	1.32E-07	9.33E-08	3.51E-06	1.85E-06	7.86E-07	9.25E-07	3.63E-07	1.85E-06	7.86E-07
1306	490658.06	3859591	5.32E-03	5.19E-03	5.12E-03	1.84E-06	5.56E-06	3.22E-06	3.14E-06	2.85E-06	1.30E-06	1.28E-06	6.15E-08	1.48E-06	3.28E-07	4.26E-07	6.76E-07	1.19E-07	8.45E-08	3.18E-06	1.68E-06	7.12E-07	8.38E-07	3.29E-07	1.68E-06	7.12E-07
1307	490708.06	3859591	4.84E-03	4.73E-03	4.66E-03	1.68E-06	5.06E-06	2.93E-06	2.86E-06	2.59E-06	1.18E-06	1.17E-06	5.60E-08	1.35E-06	2.98E-07	3.88E-07	6.16E-07	1.09E-07	7.70E-08	2.90E-06	1.53E-06	6.49E-07	7.63E-07	3.00E-07	1.53E-06	6.49E-07
1308	490758.06	3859591	4.42E-03	4.31E-03	4.26E-03	1.53E-06	4.62E-06	2.67E-06	2.61E-06	2.37E-06	1.08E-06	1.07E-06	5.11E-08	1.23E-06	2.72E-07	3.54E-07	5.62E-07	9.91E-08	7.03E-08	2.64E-06	1.40E-06	5.92E-07	6.96E-07	2.74E-07	1.40E-06	5.92E-07
1309	490808.06	3859591	4.08E-03	3.99E-03	3.93E-03	1.41E-06	4.27E-06	2.47E-06	2.41E-06	2.19E-06	9.98E-07	9.84E-07	4.72E-08	1.14E-06	2.52E-07	3.27E-07	5.19E-07	9.15E-08	6.49E-08	2.44E-06	1.29E-06	5.47E-07	6.43E-07	2.53E-07	1.29E-06	5.47E-07
1310	490858.06	3859591	3.78E-03	3.69E-03	3.64E-03	1.31E-06	3.95E-06	2.29E-06	2.23E-06	2.02E-06	9.23E-07	9.11E-07	4.37E-08	1.06E-06	2.33E-07	3.03E-07	4.81E-07	8.47E-08	6.01E-08	2.26E-06	1.19E-06	5.06E-07	5.96E-07	2.34E-07	1.19E-06	5.06E-07
1311	490458.06	3859641	1.20E-02	1.17E-02	1.16E-02	4.16E-06	1.26E-05	7.27E-06	7.09E-06	6.43E-06	2.93E-06	2.89E-06	1.39E-07	3.35E-06	7.40E-07	9.63E-07	1.53E-06	2.69E-07	1.91E-07	7.18E-06	3.79E-06	1.61E-06	1.89E-06	7.43E-07	3.79E-06	1.61E-06
1312	490508.06	3859641	1.02E-02	9.97E-03	9.84E-03	3.54E-06	1.07E-05	6.18E-06	6.03E-06	5.47E-06	2.50E-06	2.46E-06	1.18E-07	2.85E-06	6.30E-07	8.19E-07	1.30E-06	2.29E-07	1.62E-07	6.11E-06	3.22E-06	1.37E-06	1.61E-06	6.32E-07	3.22E-06	1.37E-06
1313	490558.06	3859641	8.86E-03	8.64E-03	8.53E-03	3.07E-06	9.26E-06	5.36E-06	5.23E-06	4.74E-06	2.16E-06	2.13E-06	1.02E-07	2.47E-06	5.46E-07	7.10E-07	1.13E-06	1.99E-07	1.41E-07	5.30E-06	2.80E-06	1.19E-06	1.40E-06	5.48E-07	2.80E-06	1.19E-06
1314	490608.06	3859641	7.69E-03	7.50E-03	7.41E-03	2.66E-06	8.04E-06	4.65E-06	4.54E-06	4.12E-06	1.88E-06	1.85E-06	8.89E-08	2.15E-06	4.74E-07	6.17E-07	9.78E-07	1.72E-07	1.22E-07	4.60E-06	2.43E-06	1.03E-06	1.21E-06	4.76E-07	2.43E-06	1.03E-06
1315	490658.06	3859641	6.74E-03	6.58E-03	6.49E-03	2.33E-06	7.05E-06	4.08E-06	3.98E-06	3.61E-06	1.65E-06	1.63E-06	7.80E-08	1.88E-06	4.16E-07	5.41E-07	8.58E-07	1.51E-07	1.07E-07	4.03E-06	2.13E-06	9.03E-07	1.06E-06	4.17E-07	2.13E-06	9.03E-07
1316	490708.06	3859641	6.03E-03	5.88E-03	5.80E-03	2.09E-06	6.30E-06	3.65E-06	3.56E-06	3.23E-06	1.47E-06	1.45E-06	6.97E-08	1.68E-06	3.71E-07	4.83E-07	7.66E-07	1.35E-07	9.58E-08	3.60E-06	1.90E-06	8.07E-07	9.49E-07	3.73E-07	1.90E-06	8.07E-07
1317	490758.06	3859641	5.41E-03	5.28E-03	5.21E-03	1.87E-06	5.66E-06	3.27E-06	3.19E-06	2.90E-06	1.32E-06	1.30E-06	6.25E-08	1.51E-06	3.33E-07	4.34E-07	6.88E-07	1.21E-07	8.60E-08	3.24E-06	1.71E-06	7.25E-07	8.52E-07	3.35E-07	1.71E-06	7.25E-07
1318	490808.06	3859641	4.94E-03	4.82E-03	4.76E-03	1.71E-06	5.17E-06	2.99E-06	2.92E-06	2.65E-06	1.21E-06	1.19E-06	5.72E-08	1.38E-06	3.05E-07	3.96E-07	6.29E-07	1.11E-07	7.86E-08	2.96E-06	1.56E-06	6.62E-07	7.79E-07	3.06E-07	1.56E-06	6.62E-07
1319	490858.06	3859641	4.55E-03	4.44E-03	4.38E-03	1.57E-06	4.75E-06	2.75E-06	2.68E-06	2.43E-06	1.11E-06	1.10E-06	5.26E-08	1.27E-06	2.80E-07	3.65E-07	5.78E-07	1.02E-07	7.23E-08	2.72E-06	1.44E-06	6.09E-07	7.16E-07	2.81E-07	1.44E-06	6.09E-07
1320	490608.06	3859691	1.09E-02	1.07E-02	1.05E-02	3.79E-06	1.14E-05	6.62E-06	6.46E-06	5.86E-06	2.67E-06	2.64E-06	1.26E-07	3.06E-06	6.74E-07	8.77E-07	1.39E-06	2.45E-07	1.74E-07	6.54E-06	3.45E-06	1.47E-06	1.72E-06	6.77E-07	3.45E-06	1.47E-06
1321	490658.06	3859691	9.17E-03	8.95E-03	8.83E-03	3.18E-06	9.59E-06	5.55E-06	5.42E-06	4.91E-06	2.24E-06	2.21E-06	1.06E-07	2.56E-06	5.65E-07	7.35E-07	1.17E-06	2.06E-07	1.46E-07	5.49E-06	2.90E-06	1.23E-06	1.45E-06	5.68E-07	2.90E-06	1.23E-06
1322	490708.06	3859691	7.92E-03	7.73E-03	7.63E-03	2.74E-06	8.28E-06	4.79E-06	4.68E-06	4.24E-06	1.94E-06	1.91E-06	9.16E-08	2.21E-06	4.88E-07	6.35E-07	1.01E-06	1.78E-07	1.26E-07	4.74E-06	2.50E-06	1.06E-06	1.25E-06	4.90E-07	2.50E-06	1.06E-06
1323	490758.06	3859691	6.93E-03	6.76E-03	6.67E-03	2.40E-06	7.24E-06	4.19E-06	4.09E-06	3.71E-06	1.69E-06	1.67E-06	8.01E-08	1.93E-06	4.27E-07	5.55E-07	8.81E-07	1.55E-07	1.10E-07	4.14E-06	2.19E-06	9.27E-07	1.09E-06	4.29E-07	2.19E-06	9.27E-07
1324	490808.06	3859691	6.17E-03	6.02E-03	5.94E-03	2.14E-06	6.45E-06	3.73E-06	3.64E-06	3.30E-06	1.51E-06	1.49E-06	7.13E-08	1.72E-06	3.80E-07	4.95E-07	7.85E-07	1.38E-07	9.81E-08	3.69E-06	1.95E-06	8.27E-07	9.72E-07	3.82E-07	1.95E-06	8.27E-07
1325	490858.06	3859691	5.64E-03	5.51E-03	5.43E-03	1.95E-06	5.90E-06	3.41E-06	3.33E-06	3.02E-06	1.38E-06	1.36E-06	6.52E-08	1.58E-06	3.48E-07	4.52E-07	7.18E-07	1.26E-07	8.97E-08	3.38E-06	1.78E-06	7.56E-07	8.89E-07	3.49E-07	1.78E-06	7.56E-07

1326	490708.06	3859741	1.15E-02	1.12E-02	1.11E-02	3.99E-06	1.20E-05	6.97E-06	6.80E-06	6.16E-06	2.81E-06	2.78E-06	1.33E-07	3.22E-06	7.10E-07	9.23E-07	1.46E-06	2.58E-07	1.83E-07	6.89E-06	3.64E-06	1.54E-06	1.81E-06	7.13E-07	3.64E-06	1.54E-06
1327	490758.06	3859741	9.77E-03	9.54E-03	9.41E-03	3.38E-06	1.02E-05	5.91E-06	5.77E-06	5.23E-06	2.39E-06	2.36E-06	1.13E-07	2.73E-06	6.02E-07	7.83E-07	1.24E-06	2.19E-07	1.55E-07	5.84E-06	3.08E-06	1.31E-06	1.54E-06	6.05E-07	3.08E-06	1.31E-06
1328	490808.06	3859741	8.43E-03	8.22E-03	8.11E-03	2.92E-06	8.81E-06	5.10E-06	4.98E-06	4.51E-06	2.06E-06	2.03E-06	9.74E-08	2.35E-06	5.19E-07	6.76E-07	1.07E-06	1.89E-07	1.34E-07	5.04E-06	2.66E-06	1.13E-06	1.33E-06	5.22E-07	2.66E-06	1.13E-06
1329	490858.06	3859741	7.42E-03	7.24E-03	7.15E-03	2.57E-06	7.76E-06	4.49E-06	4.38E-06	3.97E-06	1.81E-06	1.79E-06	8.58E-08	2.07E-06	4.57E-07	5.95E-07	9.44E-07	1.66E-07	1.18E-07	4.44E-06	2.34E-06	9.94E-07	1.17E-06	4.59E-07	2.34E-06	9.94E-07
1330	490786.56	3859749	9.57E-03	9.34E-03	9.21E-03	3.31E-06	1.00E-05	5.79E-06	5.65E-06	5.12E-06	2.34E-06	2.31E-06	1.11E-07	2.67E-06	5.90E-07	7.67E-07	1.22E-06	2.14E-07	1.52E-07	5.72E-06	3.02E-06	1.28E-06	1.51E-06	5.92E-07	3.02E-06	1.28E-06
1331	490836.56	3859749	8.28E-03	8.08E-03	7.97E-03	2.87E-06	8.65E-06	5.01E-06	4.89E-06	4.43E-06	2.02E-06	1.99E-06	9.57E-08	2.31E-06	5.10E-07	6.64E-07	1.05E-06	1.86E-07	1.32E-07	4.95E-06	2.61E-06	1.11E-06	1.30E-06	5.12E-07	2.61E-06	1.11E-06
1332	490786.56	3859799	1.53E-02	1.50E-02	1.48E-02	5.31E-06	1.60E-05	9.28E-06	9.06E-06	8.21E-06	3.75E-06	3.70E-06	1.77E-07	4.28E-06	9.45E-07	1.23E-06	1.95E-06	3.44E-07	2.44E-07	9.18E-06	4.84E-06	2.05E-06	2.42E-06	9.50E-07	4.84E-06	2.05E-06
1333	490836.56	3859799	1.24E-02	1.21E-02	1.19E-02	4.29E-06	1.29E-05	7.49E-06	7.31E-06	6.63E-06	3.02E-06	2.98E-06	1.43E-07	3.46E-06	7.63E-07	9.93E-07	1.57E-06	2.77E-07	1.97E-07	7.40E-06	3.91E-06	1.66E-06	1.95E-06	7.66E-07	3.91E-06	1.66E-06
1334	492307.84	3854508	3.97E-04	3.88E-04	3.83E-04	1.38E-07	4.15E-07	2.40E-07	2.35E-07	2.13E-07	9.71E-08	9.58E-08	4.59E-09	1.11E-07	2.45E-08	3.19E-08	5.05E-08	8.91E-09	6.32E-09	2.38E-07	1.25E-07	5.32E-08	6.26E-08	2.46E-08	1.25E-07	5.32E-08
1335	486445.7	3854754	7.94E-04	7.75E-04	7.65E-04	2.75E-07	8.30E-07	4.80E-07	4.69E-07	4.25E-07	1.94E-07	1.91E-07	9.18E-09	2.22E-07	4.89E-08	6.37E-08	1.01E-07	1.78E-08	1.26E-08	4.75E-07	2.51E-07	1.06E-07	1.25E-07	4.91E-08	2.51E-07	1.06E-07
1336	472599.75	3877830	3.32E-05	3.24E-05	3.20E-05	1.15E-08	3.47E-08	2.01E-08	1.96E-08	1.78E-08	8.11E-09	8.00E-09	3.84E-10	9.27E-09	2.04E-09	2.66E-09	4.22E-09	7.44E-10	5.28E-10	1.98E-08	1.05E-08	4.44E-09	5.23E-09	2.05E-09	1.05E-08	4.44E-09
1337	493107.48	3866840	7.30E-05	7.13E-05	7.03E-05	2.53E-08	7.63E-08	4.42E-08	4.31E-08	3.91E-08	1.78E-08	1.76E-08	8.44E-10	2.04E-08	4.50E-09	5.85E-09	9.29E-09	1.64E-09	1.16E-09	4.37E-08	2.30E-08	9.78E-09	1.15E-08	4.52E-09	2.30E-08	9.78E-09
1338	495815.79	3861663	3.20E-03	3.12E-03	3.08E-03	1.11E-06	3.34E-06	1.93E-06	1.89E-06	1.71E-06	7.80E-07	7.70E-07	3.69E-08	8.92E-07	1.97E-07	2.56E-07	4.06E-07	7.16E-08	5.08E-08	1.91E-06	1.01E-06	4.28E-07	5.03E-07	1.98E-07	1.01E-06	4.28E-07
1339	480272.33	3841389	6.02E-05	5.87E-05	5.79E-05	2.08E-08	6.29E-08	3.64E-08	3.55E-08	3.22E-08	1.47E-08	1.45E-08	6.95E-10	1.68E-08	3.71E-09	4.82E-09	7.65E-09	1.35E-09	9.56E-10	3.60E-08	1.90E-08	8.06E-09	9.48E-09	3.72E-09	1.90E-08	8.06E-09
1340	497005.18	3862814	1.11E-03	1.09E-03	1.07E-03	3.85E-07	1.16E-06	6.74E-07	6.57E-07	5.96E-07	2.72E-07	2.68E-07	1.29E-08	3.11E-07	6.86E-08	8.93E-08	1.42E-07	2.50E-08	1.77E-08	6.66E-07	3.51E-07	1.49E-07	1.75E-07	6.89E-08	3.51E-07	1.49E-07
1341	493677.33	3860303	1.22E-03	1.19E-03	1.18E-03	4.23E-07	1.28E-06	7.39E-07	7.21E-07	6.53E-07	2.98E-07	2.94E-07	1.41E-08	3.41E-07	7.52E-08	9.78E-08	1.55E-07	2.74E-08	1.94E-08	7.30E-07	3.85E-07	1.63E-07	1.92E-07	7.55E-08	3.85E-07	1.63E-07
1342	493727.33	3860303	1.20E-03	1.17E-03	1.15E-03	4.15E-07	1.25E-06	7.26E-07	7.08E-07	6.42E-07	2.93E-07	2.89E-07	1.39E-08	3.35E-07	7.39E-08	9.61E-08	1.53E-07	2.69E-08	1.91E-08	7.17E-07	3.79E-07	1.61E-07	1.89E-07	7.42E-08	3.79E-07	1.61E-07
1343	493777.33	3860303	1.18E-03	1.15E-03	1.13E-03	4.07E-07	1.23E-06	7.12E-07	6.95E-07	6.30E-07	2.87E-07	2.84E-07	1.36E-08	3.29E-07	7.25E-08	9.44E-08	1.50E-07	2.64E-08	1.87E-08	7.04E-07	3.71E-07	1.58E-07	1.85E-07	7.28E-08	3.71E-07	1.58E-07
1344	493827.33	3860303	1.16E-03	1.13E-03	1.11E-03	4.00E-07	1.21E-06	6.99E-07	6.82E-07	6.18E-07	2.82E-07	2.78E-07	1.34E-08	3.23E-07	7.12E-08	9.26E-08	1.47E-07	2.59E-08	1.84E-08	6.91E-07	3.65E-07	1.55E-07	1.82E-07	7.15E-08	3.65E-07	1.55E-07
1345	493877.33	3860303	1.14E-03	1.11E-03	1.10E-03	3.94E-07	1.19E-06	6.89E-07	6.72E-07	6.09E-07	2.78E-07	2.74E-07	1.32E-08	3.18E-07	7.01E-08	9.13E-08	1.45E-07	2.55E-08	1.81E-08	6.81E-07	3.59E-07	1.52E-07	1.79E-07	7.05E-08	3.59E-07	1.52E-07
1346	493927.33	3860303	1.12E-03	1.10E-03	1.08E-03	3.89E-07	1.18E-06	6.80E-07	6.64E-07	6.02E-07	2.75E-07	2.71E-07	1.30E-08	3.14E-07	6.93E-08	9.01E-08	1.43E-07	2.52E-08	1.79E-08	6.72E-07	3.55E-07	1.51E-07	1.77E-07	6.96E-08	3.55E-07	1.51E-07
1347	493977.33	3860303	1.09E-03	1.07E-03	1.05E-03	3.79E-07	1.14E-06	6.62E-07	6.46E-07	5.86E-07	2.67E-07	2.64E-07	1.27E-08	3.06E-07	6.74E-08	8.77E-08	1.39E-07	2.45E-08	1.74E-08	6.55E-07	3.45E-07	1.47E-07	1.72E-07	6.77E-08	3.45E-07	1.47E-07
1348	494027.33	3860303	1.07E-03	1.05E-03	1.03E-03	3.72E-07	1.12E-06	6.49E-07	6.34E-07	5.74E-07	2.62E-07	2.59E-07	1.24E-08	3.00E-07	6.61E-08	8.60E-08	1.36E-07	2.41E-08	1.71E-08	6.42E-07	3.39E-07	1.44E-07	1.69E-07	6.64E-08	3.39E-07	1.44E-07
1349	493677.33	3860353	1.26E-03	1.23E-03	1.21E-03	4.36E-07	1.32E-06	7.62E-07	7.43E-07	6.74E-07	3.08E-07	3.03E-07	1.46E-08	3.52E-07	7.76E-08	1.01E-07	1.60E-07	2.82E-08	2.00E-08	7.53E-07	3.97E-07	1.69E-07	1.98E-07	7.79E-08	3.97E-07	1.69E-07
1350	493727.33	3860353	1.24E-03	1.21E-03	1.19E-03	4.29E-07	1.30E-06	7.50E-07	7.32E-07	6.63E-07	3.03E-07	2.99E-07	1.43E-08	3.46E-07	7.64E-08	9.94E-08	1.58E-07	2.78E-08	1.97E-08	7.41E-07	3.91E-07	1.66E-07	1.95E-07	7.67E-08	3.91E-07	1.66E-07
1351	493777.33	3860353	1.22E-03	1.19E-03	1.18E-03	4.23E-07	1.28E-06	7.39E-07	7.21E-07	6.53E-07	2.98E-07	2.94E-07	1.41E-08	3.41E-07	7.52E-08	9.78E-08	1.55E-07	2.74E-08	1.94E-08	7.30E-07	3.85E-07	1.63E-07	1.92E-07	7.55E-08	3.85E-07	1.63E-07
1352	493827.33	3860353	1.20E-03	1.17E-03	1.16E-03	4.15E-07	1.25E-06	7.26E-07	7.09E-07	6.42E-07	2.93E-07	2.89E-07	1.39E-08	3.35E-07	7.40E-08	9.62E-08	1.53E-07	2.69E-08	1.91E-08	7.18E-07	3.79E-07	1.61E-07	1.89E-07	7.43E-08	3.79E-07	1.61E-07
1353	493877.33	3860353	1.18E-03	1.15E-03	1.13E-03	4.08E-07	1.23E-06	7.13E-07	6.95E-07	6.30E-07	2.88E-07	2.84E-07	1.36E-08	3.29E-07	7.26E-08	9.44E-08	1.50E-07	2.64E-08	1.87E-08	7.04E-07	3.72E-07	1.58E-07	1.86E-07	7.29E-08	3.72E-07	1.58E-07
1354	493927.33	3860353	1.15E-03	1.12E-03	1.11E-03	3.99E-07	1.20E-06	6.97E-07	6.80E-07	6.17E-07	2.81E-07	2.78E-07	1.33E-08	3.22E-07	7.10E-08	9.24E-08	1.47E-07	2.58E-08	1.83E-08	6.89E-07	3.64E-07	1.54E-07	1.81E-07	7.13E-08	3.64E-07	1.54E-07
1355	493977.33	3860353	1.12E-03	1.10E-03	1.08E-03	3.89E-07	1.18E-06	6.81E-07	6.64E-07	6.02E-07	2.75E-07	2.71E-07	1.30E-08	3.14E-07	6.93E-08	9.02E-08	1.43E-07	2.52E-08	1.79E-08	6.73E-07	3.55E-07	1.51E-07	1.77E-07	6.96E-08	3.55E-07	1.51E-07
1356	494027.33	3860353	1.11E-03	1.08E-03	1.07E-03	3.84E-07	1.16E-06	6.71E-07	6.54E-07	5.93E-07	2.71E-07	2.67E-07	1.28E-08	3.09E-07	6.83E-08	8.88E-08	1.41E-07	2.48E-08	1.76E-08	6.63E-07	3.50E-07	1.48E-07	1.75E-07	6.86E-08	3.50E-07	1.48E-07
1357	493677.33	3860403	1.31E-03	1.28E-03	1.26E-03	4.53E-07	1.37E-06	7.91E-07	7.72E-07	7.00E-07	3.19E-07	3.15E-07	1.51E-08	3.65E-07	8.06E-08	1.05E-07	1.66E-07	2.93E-08	2.08E-08	7.82E-07	4.13E-07	1.75E-07	2.06E-07	8.09E-08	4.13E-07	1.75E-07
1358	493727.33	3860403	1.29E-03	1.26E-03	1.24E-03	4.45E-07	1.35E-06	7.79E-07	7.60E-07	6.89E-07	3.14E-07	3.10E-07	1.49E-08	3.59E-07	7.93E-08	1.03E-07	1.64E-07	2.88E-08	2.05E-08	7.70E-07	4.06E-07	1.72E-07	2.03E-07	7.96E-08	4.06E-07	1.72E-07
1359	493777.33	3860403	1.25E-03	1.22E-03	1.21E-03	4.34E-07	1.31E-06	7.59E-07	7.40E-07	6.71E-07	3.06E-07	3.02E-07	1.45E-08	3.50E-07	7.72E-08	1.01E-07	1.59E-07	2.81E-08	1.99E-08	7.50E-07	3.96E-07	1.68E-07	1.98E-07	7.76E-08	3.96E-07	1.68E-07
1360	493827.33	3860403	1.24E-03	1.21E-03	1.19E-03	4.29E-07	1.29E-06	7.50E-07	7.31E-07	6.63E-07	3.03E-07	2.99E-07	1.43E-08	3.46E-07	7.63E-08	9.93E-08	1.58E-07	2.78E-08	1.97E-08	7.41E-07	3.91E-07	1.66E-07	1.95E-07	7.67E-08	3.91E-07	1.66E-07
1361	493877.33	3860403	1.22E-03	1.19E-03	1.17E-03	4.22E-07	1.27E-06	7.38E-07	7.20E-07	6.53E-07	2.98E-07	2.94E-07	1.41E-08	3.41E-07	7.52E-08	9.78E-08	1.55E-07	2.73E-08	1.94E-08	7.29E-07	3.85E-07	1.63E-07	1.92E-07	7.55E-08	3.85E-07	1.63E-07
1362	493927.33	3860403	1.19E-03	1.16E-03	1.14E-03	4.12E-07	1.24E-06	7.19E-07	7.02E-07	6.36E-07	2.90E-07	2.87E-07	1.37E-08	3.32E-07	7.33E-08	9.53E-08	1.51E-07	2.66E-08	1.89E-08	7.11E-07	3.75E-07	1.59E-07	1.87E-07	7.36E-08	3.75E-07	1.59E-07
1363	493977.33	3860403	1.16E-03	1.13E-03	1.12E-03	4.01E-07	1.21E-06	7.01E-07	6.84E-07	6.20E-07	2.83E-07	2.79E-07	1.34E-08	3.24E-07	7.14E-08	9.29E-08	1.47E-07	2.60E-08	1.84E-08	6.93E-07	3.66E-07	1.55E-07	1.83E-07	7.17E-08	3.66E-07	1.55E-07
1364	494027.33	3860403	1.14E-03	1.12E-03	1.10E-03	3.96E-07	1.20E-06	6.92E-07	6.76E-07	6.12E-07	2.79E-07	2.76E-07	1.32E-08	3.19E-07	7.05E-08	9.17E-08	1.46E-07	2.56E-08	1.82E-08	6.84E-07	3.61E-07	1.53E-07	1.80E-07	7.08E-08	3.61E-07	1.53E-07
1365	493677.33	3860453	1.35E-03	1.32E-03	1.30E-03	4.67E-07	1.41E-06	8.17E-07	7.97E-07	7.23E-07	3.30E-07	3.25E-07	1.56E-08	3.77E-07	8.32E-08	1.08E-07	1.72E-07	3.03E-08	2.15E-08	8.08E-07	4.26E-07	1.81E-07	2.13E-07	8.36E-08	4.26E-07	1.81E-07
1366	493727.33	3860453	1.34E-03	1.30E-03	1.29E-03	4.63E-07	1.40E-06	8.09E-07	7.90E-07	7.16E-07	3.27E-07	3.22E-07	1.55E-08	3.73E-07	8.24E-08	1.07E-07	1.70E-07	3.00E-08	2.13E-08	8.00E-07	4.22E-07	1.79E-07	2.11E-07	8.28E-08	4.22E-07	1.79E-07
1367	493777.33	3860453	1.31E-03	1.28E-03	1.27E-03	4.55E-07	1.37E-06	7.95E-07	7.76E-07	7.03E-07	3.21E-07	3.17E-07	1.52E-08	3.67E-07	8.10E-08	1.05E-07	1.67E-07	2.94E-08	2.09E-08	7.86E-07	4.15E-07	1.76E-07	2.07E-07	8.13E-08	4.15E-07	1.76E-07
1368	493827.33	3860453	1.28E-03	1.25E-03	1.24E-03	4.44E-07	1.34E-06	7.77E-07	7.58E-07	6.87E-07	3.14E-07	3.09E-07	1.48E-08	3.59E-07	7.91E-08	1.03E-07	1.63E-07	2.88E-08	2.04E-08	7.68E-07	4.05E-07	1.72E-07	2.02E-07	7.95E-08	4.05E-07	1.72E-07
1369	493877.33	3860453	1.26E-03	1.23E-03	1.21E-03	4.35E-07	1.31E-06	7.61E-07	7.42E-07	6.73E-07	3.07E-07	3.03E-07	1.45E-08	3.51E-07	7.75E-08	1.01E-07	1.60E-07	2.82E-08	2.00E-08	7.52E-07	3.97E-07	1.68E-07	1.98E-07	7.78E-08	3.97E-07	1.68E-07
1370	493927.33	3860453	1.22E-03	1.19E-03	1.18E-03	4.23E-07	1.28E-06	7.40E-07	7.22E-07	6.54E-07	2.99E-07	2.95E-07	1.41E-08	3.41E-07	7.53E-08	9.80E-08	1.55E-07	2.74E-08	1.94E-08	7.31E-07	3.86E-07	1.64E-07	1.93E-07	7.57E-08	3.86E-07	1.64E-07
1371	493977.33	3860453	1.20E-03	1.17E-03	1.16E-03	4.16E-07	1.26E-06	7.28E-07	7.10E-07	6.44E-07	2.94E-07	2.90E-07	1.39E-08	3.36E-07	7.41E-08	9.64E-08	1.53E-07	2.70E-08	1.91E-08	7.20E-07	3.80E-07	1.61E-07	1.90E-07	7.45E-08	3.80E-07	1.61E-07
1372	494027.33	3860453	1.18E-03	1.16E-03	1.14E-03	4.10E-07	1.24E-06	7.17E-07	7.00E-07	6.34E-07	2.89E-07	2.86E-07	1.37E-08	3.31E-07	7.30E-08	9.50E-08	1.51E-07	2.66E-08	1.88E-08	7.09E-07	3.74E-07	1.59E-07	1.87E-07	7.33E-08	3.74E-07	1.59E-07
1373	493677.33	3860503	1.40E-03	1.37E-03	1.35E-03	4.85E-07	1.46E-06	8.47E-07	8.27E-07	7.49E-07	3.42E-07	3.37E-07	1.62E-08	3.91E-07	8.63E-08	1.12E-07	1.78E-07	3.14E-08	2.23E-08	8.37E-07	4.42E-07	1.88E-07	2.21E-07	8.67E-08	4.42E-07	1.88E-07
1374	493727.33	3860503	1.38E-03	1.35E-03	1.33E-03	4.78E-07	1.44E-06	8.36E-07	8.16E-07	7.40E-07	3.38E-07	3.33E-07	1.60E-08	3.86E-07	8.51E-08	1.11E-07	1.76E-07	3.10E-08	2.20E-08	8.26E-07	4.36E-07	1.85E-07	2.18E-07	8.55E-08	4.36E-07	1.85E-07
1375	493777.33	3860503	1.36E-03	1.32E-03	1.31E-03	4.70E-07	1.42E-06	8.21E-07	8.02E-07	7.27E-07	3.32E-07	3.27E-07	1.57E-08	3.79E-07	8.36E-08	1.09E-07	1.73E-07	3.04E-08	2.16E-08	8.12E-07	4.28E-07	1.82E-07	2.14E-07	8.40E-08	4.28E-07	1.82E-07
1376	493827.33	3860503	1.33E-03	1.30E-03	1.28E-03	4.62E-07	1.39E-06	8.07E-07	7.87E-07	7.14E-07	3.26E-07	3.21E-07	1.54E-08	3.72E-07	8.22E-08	1.07E-07	1.70E-07	2.99E-08	2.12E-08	7.97E-07	4.21E-07	1.79E-07	2.10E-07	8.25E-08	4.21E-07	1.79E-07
1377	493877.33	3860503	1.30E-03	1.27E-03	1.25E-03	4.51E-07	1.36E-06	7.88E-07	7.69E-07	6.97E-07	3.18E-07	3.14E-07	1.51E-08	3.64E-07	8.03E-08	1.04E-07	1.66E-07	2.92E-08	2.07E-08	7.79E-07	4.11E-07	1.75E-07	2.05E-07	8.06E-08	4.11E-07	1.75E-07
1378	493927.33	3860503	1.27E-03	1.24E-03	1.22E-03	4.40E-07	1.33E-06	7.69E-07	7.50E-07	6.80E-07	3.10E-07	3.06E-07	1.47E-08	3.55E-07	7.83E-08	1.02E-07	1.62E-07	2.85E-08	2.02E-08	7.60E-07	4.01E-07	1.70E-07	2.00E-07	7.86E-08	4.01E-07	1.70E-07
1379	493977.33	3860503	1.25E-03	1.22E-03	1.21E-03	4.33E-07	1.31E-06	7.58E-07	7.39E-07	6.70E-07	3.06E-07	3.02E-07	1.45E-08	3.50E-07	7.71E-08	1.00E-07	1.59E-07	2.81E-08	1.99E-08	7.49E-07	3.95E-07	1.68E-07	1.97E-07	7.75E-08	3.95E-07	1.68E-07
1380	494027.33	3860503	1.23E-03	1.20E-03	1.19E-03	4.26E-07	1.29E-06	7.45E-07	7.27E-07	6.59E-07	3.01E-07	2.97E-07	1.42E-08	3.44E-07	7.58E-08	9.87E-08	1.57E-07	2.76E-08	1.96E-08	7.36E-07	3.89E-07	1.65E-07	1.94E-07	7.62E-08	3.89E-07	1.65E-07
1381	493627.33	3860553	1.48E-03	1.45E-03	1.43E-03	5.13E-07	1.55E-06	8.97E-07	8.75E-07	7.93E-07	3.62E-07	3.57E-07	1.71E-08	4.14E-07	9.13E-08	1.19E-07	1.89E-07	3.32E-08	2.36E-08	8.87E-07	4.68E-07	1.99E-07	2.34E-07	9.17E-08	4.68E-07	1.99E-07
1382	493677.33	3860553	1.46E-03	1.43E-03	1.41E-03	5.06E-07	1.53E-06	8.84E-07	8.63E-07	7.82E-07	3.57E-07	3.52E-07	1.69E-08	4.08E-07	9.01E-08	1.17E-07	1.86E-07	3.28E-08	2.32E-08	8.74E-07	4.61E-07	1.96E-07	2.30E-07	9.05E-08	4.61E-07	1.96E-07
1383	493727.33	3860553	1.44E-03	1.40E-03	1.39E-03	4.98E-07	1.50E-06	8.71E-07	8.50E-07	7.70E-07	3.51E-07	3.47E-07	1.66E-08	4.02E-07	8.86E-08	1.15E-07	1.83E-07	3.22E-08	2.29E-08	8.60E-07	4.54E-07	1.93E-07	2.27E-07	8.90E-08	4.54E-07	1.93E-07
1384	493777.33	3860553	1.41E-03	1.38E-03	1.36E-03	4.88E-07	1.47E-06	8.54E-07	8.33E-07	7.55E-07	3.44E-07	3.40E-07	1.63E-08	3.94E-07	8.69E-08	1.13E-07	1.79E-07	3.16E-08	2.24E-08	8.44E-07	4.45E-07	1.89E-07	2.22E-07	8.73E-08	4.45E-07	1.89E-07
1385	493827.33	3860553	1.38E-03	1.34E-03	1.33E-03	4.77E-07	1.44E-06	8.34E-07	8.14E-07	7.38E-07	3.37E-07	3.32E-07	1.59E-08	3.85E-07	8.49E-08	1.10E-07	1.75E-07	3.09E-08	2.19E-08	8.24E-07	4.35E-07	1.85E-07	2.17E-07	8.53E-08	4.35E-07	1.85E-07
1386	493877.33	3860553	1.36E-03	1.32E-03	1.31E-03	4.70E-07	1.42E-06	8.21E-07	8.01E-07	7.26E-07	3.31E-07	3.27E-07	1.57E-08	3.79E-07	8.36E-08	1.09E-07	1.73E-07	3.04E-08	2.16E-08	8.11E-07	4.28E-07	1.82E-07	2.14E-07	8.40E-08	4.28E-07	1.82E-07
1387	493927.33	3860553	1.33E-03	1.30E-03	1.28E-03	4.60E-07	1.39E-06	8.03E-07	7.84E-07	7.11E-07	3.24E-07	3.20E-07	1.53E-08	3.71E-07	8.18E-08	1.06E-07	1.69E-07	2.98E-08	2.11E-08	7.94E-07	4.19E-07	1.78E-07	2.09E-07	8.22E-08	4.19E-07	1.78E-07
1388	493977.33	3860553	1.30E-03	1.27E-03	1.25E-03	4.49E-07	1.36E-06	7.85E-07	7.66E-07	6.94E-07	3.17E-07	3.13E-07	1.50E-08	3.62E-07	7.99E-08	1.04E-07	1.65E-07	2.91E-08	2.06E-08	7.76E-07	4.09E-07	1.74E-07	2.04E-07	8.03E-08	4.09E-07	1.74E-07
1389	494027.33	3860553	1.28E-03	1.25E-03	1.23E-03	4.43E-07	1.34E-06	7.74E-07	7.55E-07	6.84E-07	3.12E-07	3.08E-07	1.48E-08	3.57E-07	7.88E-08	1.03E-07	1.63E-07	2.87E-08	2.03E-08	7.65E-07	4.04E-07	1.71E-07	2.01E-07	7.91E-08	4.04E-07	1.71E-07
1390	493627.33	3860603	1.54E-03	1.51E-03	1.49E-03	5.34E-07	1.61E-06	9.34E-07	9.11E-07	8.26E-07	3.77E-07	3.72E-07	1.78E-08	4.31E-07	9.51E-08	1.24E-07	1.96E-07	3.46E-08	2.45E-08	9.23E-07	4.87E-07	2.07E-07	2.43E-07	9.55E-08	4.87E-07	2.07E-07
1391	493727.33	3860603	1.50E-03	1.47E-03	1.45E-03	5.20E-07	1.57E-06	9.09E-07	8.87E-07	8.04E-07	3.67E-07	3.62E-07	1.74E-08	4.19E-07	9.26E-08	1.20E-07	1.91E-07	3.37E-08	2.39E-08	8.98E-07	4.74E-07	2.01E-07	2.37E-07	9.30E-08	4.74E-07	2.01E-07
1392	493777.33	3860603	1.46E-03	1.43E-03	1.41E-03	5.07E-07	1.53E-06	8.86E-07	8.65E-07	7.84E-07	3.58E-07	3.53E-07	1.69E-08	4.09E-07	9.03E-08	1.17E-07	1.86E-07	3.28E-08	2.33E-08	8.76E-07	4.62E-07	1.96E-07	2.31E-07	9.07E-08	4.62E-07	1.96E-07
1393	493827.33	3860603	1.44E-03	1.40E-03	1.38E-03	4.98E-07	1.50E-06	8.70E-07	8.49E-07	7.69E-07	3.51E-07	3.46E-07	1.66E-08	4.01E-07	8.86E-08	1.15E-07	1.83E-07	3.22E-08	2.29E-08	8.60E-07	4.54E-07	1.93E-07	2.26E-07	8.90E-08	4.54E-07	1.93E-07
1394	493877.33	3860603	1.40E-03	1.37E-03	1.35E-03	4.86E-07	1.47E-06	8.50E-07	8.29E-07	7.52E-07	3.43E-07	3.38E-07	1.62E-08	3.92E-07	8.65E-08	1.13E-07	1.79E-07	3.15E-08	2.23E-08	8.40E-07	4.43E-07	1.88E-07	2.21E-07	8.69E-08	4.43E-07	1.88E-07
1395	493927.33	3860603	1.38E-03	1.34E-03	1.33E-03	4.77E-07	1.44E-06	8.33E-07	8.13E-07	7.37E-07	3.36E-07	3.32E-07	1.59E-08	3.84E-07	8.48E-08	1.10E-07	1.75E-07	3.09E-08	2.19E-08	8.23E-07	4.34E-07	1.84E-07	2.17E-07	8.52E-08	4.34E-07	1.84E-07
1396	493977.33	3860603	1.35E-03	1.32E-03	1.30E-03	4.67E-07	1.41E-06	8.16E-07	7.96E-07	7.22E-07	3.29E-07	3.25E-07	1.56E-08	3.77E-07	8.31E-08	1.08E-07	1.72E-07	3.02E-08	2.14E-08	8.07E-07	4.26E-07	1.81E-07	2.12E-07	8.35E-08	4.26E-07	1.81E-07
1397	494027.33	3860603	1.33E-03	1.30E-03	1.28E-03	4.61E-07	1.39E-06	8.06E-07	7.86E-07	7.13E-07	3.25E-07	3.21E-07	1.54E-08	3.72E-07	8.20E-08	1.07E-07	1.69E-07	2.98E-08	2.12E-08	7.96E-07	4.20E-07	1.78E-07	2.10E-07	8.24E-08	4.20E-07	1.78E-07
1398	493627.33	3860653	1.61E-03	1.57E-03	1.55E-03	5.58E-07	1.69E-06	9.76E-07	9.52E-07	8.63E-07	3.94E-07	3.89E-07	1.86E-08	4.50E-07	9.94E-08	1.29E-07	2.05E-07	3.62E-08	2.56E-08	9.65E-07	5.09E-07	2.16E-07	2.54E-07	9.98E-08	5.09E-07	2.16E-07
1399	493727.33	3860653	1.57E-03	1.53E-03	1.51E-03	5.42E-07	1.64E-06	9.47E-07	9.24E-07	8.38E-07	3.82E-07	3.77E-07	1.81E-08	4.37E-07	9.65E-08	1.26E-07	1.99E-07	3.51E-08	2.49E-08	9.36E-07	4.94E-07	2.10E-07	2.47E-07	9.69E-08	4.94E-07	2.10E-07

1400	493777.33	3860653	1.53E-03	1.49E-03	1.47E-03	5.30E-07	1.60E-06	9.26E-07	9.03E-07	8.19E-07	3.74E-07	3.69E-07	1.77E-08	4.27E-07	9.43E-08	1.23E-07	1.95E-07	3.43E-08	2.43E-08	9.15E-07	4.83E-07	2.05E-07	2.41E-07	9.47E-08	4.83E-07	2.05E-07
1401	493827.33	3860653	1.50E-03	1.46E-03	1.44E-03	5.18E-07	1.56E-06	9.05E-07	8.83E-07	8.01E-07	3.65E-07	3.61E-07	1.73E-08	4.18E-07	9.22E-08	1.20E-07	1.90E-07	3.35E-08	2.38E-08	8.95E-07	4.72E-07	2.00E-07	2.36E-07	9.26E-08	4.72E-07	2.00E-07
1402	493877.33	3860653	1.46E-03	1.43E-03	1.41E-03	5.06E-07	1.53E-06	8.84E-07	8.62E-07	7.82E-07	3.57E-07	3.52E-07	1.69E-08	4.08E-07	9.00E-08	1.17E-07	1.86E-07	3.27E-08	2.32E-08	8.73E-07	4.61E-07	1.96E-07	2.30E-07	9.04E-08	4.61E-07	1.96E-07
1403	493927.33	3860653	1.43E-03	1.40E-03	1.38E-03	4.96E-07	1.50E-06	8.67E-07	8.46E-07	7.67E-07	3.50E-07	3.45E-07	1.66E-08	4.00E-07	8.83E-08	1.15E-07	1.82E-07	3.21E-08	2.28E-08	8.57E-07	4.52E-07	1.92E-07	2.26E-07	8.87E-08	4.52E-07	1.92E-07
1404	493977.33	3860653	1.41E-03	1.37E-03	1.36E-03	4.87E-07	1.47E-06	8.52E-07	8.31E-07	7.53E-07	3.44E-07	3.39E-07	1.63E-08	3.93E-07	8.67E-08	1.13E-07	1.79E-07	3.15E-08	2.24E-08	8.42E-07	4.44E-07	1.89E-07	2.22E-07	8.71E-08	4.44E-07	1.89E-07
1405	494027.33	3860653	1.38E-03	1.34E-03	1.33E-03	4.77E-07	1.44E-06	8.33E-07	8.13E-07	7.37E-07	3.36E-07	3.32E-07	1.59E-08	3.85E-07	8.49E-08	1.10E-07	1.75E-07	3.09E-08	2.19E-08	8.24E-07	4.35E-07	1.84E-07	2.17E-07	8.52E-08	4.35E-07	1.84E-07
1406	494311.06	3858402	3.83E-04	3.74E-04	3.69E-04	1.33E-07	4.00E-07	2.32E-07	2.26E-07	2.05E-07	9.35E-08	9.23E-08	4.43E-09	1.07E-07	2.36E-08	3.07E-08	4.87E-08	8.58E-09	6.09E-09	2.29E-07	1.21E-07	5.13E-08	6.03E-08	2.37E-08	1.21E-07	5.13E-08
1407	494361.06	3858402	3.80E-04	3.70E-04	3.66E-04	1.31E-07	3.97E-07	2.30E-07	2.24E-07	2.03E-07	9.27E-08	9.15E-08	4.39E-09	1.06E-07	2.34E-08	3.04E-08	4.83E-08	8.51E-09	6.03E-09	2.27E-07	1.20E-07	5.08E-08	5.98E-08	2.35E-08	1.20E-07	5.08E-08
1408	494411.06	3858402	3.77E-04	3.68E-04	3.63E-04	1.30E-07	3.94E-07	2.28E-07	2.22E-07	2.02E-07	9.20E-08	9.08E-08	4.35E-09	1.05E-07	2.32E-08	3.02E-08	4.79E-08	8.44E-09	5.99E-09	2.25E-07	1.19E-07	5.04E-08	5.93E-08	2.33E-08	1.19E-07	5.04E-08
1409	494461.06	3858402	3.75E-04	3.66E-04	3.61E-04	1.30E-07	3.92E-07	2.27E-07	2.21E-07	2.01E-07	9.16E-08	9.04E-08	4.34E-09	1.05E-07	2.31E-08	3.01E-08	4.77E-08	8.41E-09	5.96E-09	2.24E-07	1.18E-07	5.02E-08	5.91E-08	2.32E-08	1.18E-07	5.02E-08
1410	494511.06	3858402	3.72E-04	3.63E-04	3.58E-04	1.29E-07	3.89E-07	2.25E-07	2.20E-07	1.99E-07	9.09E-08	8.97E-08	4.30E-09	1.04E-07	2.29E-08	2.98E-08	4.73E-08	8.34E-09	5.92E-09	2.23E-07	1.17E-07	4.98E-08	5.86E-08	2.30E-08	1.17E-07	4.98E-08
1411	494561.06	3858402	3.70E-04	3.62E-04	3.57E-04	1.28E-07	3.87E-07	2.24E-07	2.19E-07	1.98E-07	9.05E-08	8.93E-08	4.28E-09	1.03E-07	2.28E-08	2.97E-08	4.71E-08	8.30E-09	5.89E-09	2.22E-07	1.17E-07	4.96E-08	5.84E-08	2.29E-08	1.17E-07	4.96E-08
1412	494611.06	3858402	3.68E-04	3.59E-04	3.54E-04	1.27E-07	3.84E-07	2.22E-07	2.17E-07	1.97E-07	8.98E-08	8.86E-08	4.25E-09	1.03E-07	2.26E-08	2.95E-08	4.67E-08	8.24E-09	5.84E-09	2.20E-07	1.16E-07	4.92E-08	5.79E-08	2.27E-08	1.16E-07	4.92E-08
1413	494661.06	3858402	3.65E-04	3.56E-04	3.52E-04	1.26E-07	3.82E-07	2.21E-07	2.16E-07	1.95E-07	8.92E-08	8.80E-08	4.22E-09	1.02E-07	2.25E-08	2.93E-08	4.64E-08	8.18E-09	5.80E-09	2.18E-07	1.15E-07	4.89E-08	5.75E-08	2.26E-08	1.15E-07	4.89E-08
1414	494711.06	3858402	3.62E-04	3.53E-04	3.48E-04	1.25E-07	3.78E-07	2.19E-07	2.14E-07	1.94E-07	8.84E-08	8.72E-08	4.18E-09	1.01E-07	2.23E-08	2.90E-08	4.60E-08	8.11E-09	5.75E-09	2.16E-07	1.14E-07	4.84E-08	5.70E-08	2.24E-08	1.14E-07	4.84E-08
1415	494761.06	3858402	3.60E-04	3.51E-04	3.47E-04	1.25E-07	3.76E-07	2.18E-07	2.13E-07	1.93E-07	8.79E-08	8.68E-08	4.16E-09	1.01E-07	2.22E-08	2.89E-08	4.58E-08	8.07E-09	5.72E-09	2.15E-07	1.14E-07	4.82E-08	5.67E-08	2.23E-08	1.14E-07	4.82E-08
1416	494811.06	3858402	3.57E-04	3.49E-04	3.44E-04	1.24E-07	3.73E-07	2.16E-07	2.11E-07	1.91E-07	8.72E-08	8.61E-08	4.13E-09	9.97E-08	2.20E-08	2.86E-08	4.54E-08	8.01E-09	5.68E-09	2.14E-07	1.13E-07	4.78E-08	5.63E-08	2.21E-08	1.13E-07	4.78E-08
1417	494861.06	3858402	3.55E-04	3.47E-04	3.42E-04	1.23E-07	3.71E-07	2.15E-07	2.10E-07	1.90E-07	8.67E-08	8.56E-08	4.11E-09	9.92E-08	2.19E-08	2.85E-08	4.52E-08	7.96E-09	5.64E-09	2.12E-07	1.12E-07	4.76E-08	5.59E-08	2.20E-08	1.12E-07	4.76E-08
1418	494911.06	3858402	3.53E-04	3.44E-04	3.40E-04	1.22E-07	3.69E-07	2.13E-07	2.08E-07	1.89E-07	8.61E-08	8.50E-08	4.08E-09	9.85E-08	2.17E-08	2.83E-08	4.48E-08	7.90E-09	5.61E-09	2.11E-07	1.11E-07	4.72E-08	5.56E-08	2.18E-08	1.11E-07	4.72E-08
1419	494961.06	3858402	3.50E-04	3.42E-04	3.37E-04	1.21E-07	3.66E-07	2.12E-07	2.07E-07	1.87E-07	8.55E-08	8.44E-08	4.05E-09	9.78E-08	2.16E-08	2.81E-08	4.45E-08	7.85E-09	5.57E-09	2.09E-07	1.11E-07	4.69E-08	5.52E-08	2.17E-08	1.11E-07	4.69E-08
1420	495011.06	3858402	3.47E-04	3.39E-04	3.34E-04	1.20E-07	3.63E-07	2.10E-07	2.05E-07	1.86E-07	8.48E-08	8.37E-08	4.01E-09	9.70E-08	2.14E-08	2.78E-08	4.42E-08	7.78E-09	5.52E-09	2.08E-07	1.10E-07	4.65E-08	5.47E-08	2.15E-08	1.10E-07	4.65E-08
1421	495061.06	3858402	3.45E-04	3.36E-04	3.32E-04	1.19E-07	3.60E-07	2.09E-07	2.04E-07	1.85E-07	8.42E-08	8.31E-08	3.99E-09	9.63E-08	2.12E-08	2.76E-08	4.38E-08	7.73E-09	5.48E-09	2.06E-07	1.09E-07	4.62E-08	5.43E-08	2.13E-08	1.09E-07	4.62E-08
1422	495111.06	3858402	3.41E-04	3.32E-04	3.28E-04	1.18E-07	3.56E-07	2.06E-07	2.01E-07	1.82E-07	8.32E-08	8.21E-08	3.94E-09	9.51E-08	2.10E-08	2.73E-08	4.33E-08	7.63E-09	5.41E-09	2.04E-07	1.08E-07	4.56E-08	5.37E-08	2.11E-08	1.08E-07	4.56E-08
1423	495161.06	3858402	3.39E-04	3.31E-04	3.27E-04	1.17E-07	3.55E-07	2.05E-07	2.00E-07	1.82E-07	8.29E-08	8.18E-08	3.92E-09	9.48E-08	2.09E-08	2.72E-08	4.32E-08	7.61E-09	5.39E-09	2.03E-07	1.07E-07	4.54E-08	5.35E-08	2.10E-08	1.07E-07	4.54E-08
1424	495211.06	3858402	3.36E-04	3.28E-04	3.23E-04	1.16E-07	3.51E-07	2.03E-07	1.98E-07	1.80E-07	8.20E-08	8.09E-08	3.88E-09	9.37E-08	2.07E-08	2.69E-08	4.27E-08	7.52E-09	5.33E-09	2.01E-07	1.06E-07	4.49E-08	5.29E-08	2.08E-08	1.06E-07	4.49E-08
1425	495261.06	3858402	3.34E-04	3.25E-04	3.21E-04	1.15E-07	3.49E-07	2.02E-07	1.97E-07	1.79E-07	8.15E-08	8.04E-08	3.86E-09	9.31E-08	2.06E-08	2.67E-08	4.24E-08	7.48E-09	5.30E-09	1.99E-07	1.05E-07	4.47E-08	5.25E-08	2.06E-08	1.05E-07	4.47E-08
1426	495311.06	3858402	3.31E-04	3.23E-04	3.19E-04	1.15E-07	3.46E-07	2.01E-07	1.96E-07	1.77E-07	8.10E-08	7.99E-08	3.83E-09	9.26E-08	2.04E-08	2.66E-08	4.22E-08	7.43E-09	5.27E-09	1.98E-07	1.05E-07	4.44E-08	5.22E-08	2.05E-08	1.05E-07	4.44E-08
1427	495361.06	3858402	3.30E-04	3.22E-04	3.18E-04	1.14E-07	3.45E-07	2.00E-07	1.95E-07	1.77E-07	8.06E-08	7.95E-08	3.81E-09	9.21E-08	2.03E-08	2.64E-08	4.19E-08	7.39E-09	5.24E-09	1.97E-07	1.04E-07	4.42E-08	5.20E-08	2.04E-08	1.04E-07	4.42E-08
1428	495411.06	3858402	3.29E-04	3.21E-04	3.16E-04	1.14E-07	3.43E-07	1.99E-07	1.94E-07	1.76E-07	8.02E-08	7.92E-08	3.80E-09	9.17E-08	2.02E-08	2.63E-08	4.18E-08	7.36E-09	5.22E-09	1.97E-07	1.04E-07	4.40E-08	5.18E-08	2.03E-08	1.04E-07	4.40E-08
1429	495461.06	3858402	3.28E-04	3.20E-04	3.16E-04	1.13E-07	3.43E-07	1.98E-07	1.94E-07	1.75E-07	8.00E-08	7.90E-08	3.79E-09	9.15E-08	2.02E-08	2.63E-08	4.17E-08	7.35E-09	5.21E-09	1.96E-07	1.03E-07	4.39E-08	5.16E-08	2.03E-08	1.03E-07	4.39E-08
1430	495511.06	3858402	3.27E-04	3.19E-04	3.14E-04	1.13E-07	3.41E-07	1.98E-07	1.93E-07	1.75E-07	7.97E-08	7.87E-08	3.77E-09	9.12E-08	2.01E-08	2.62E-08	4.15E-08	7.32E-09	5.19E-09	1.95E-07	1.03E-07	4.37E-08	5.14E-08	2.02E-08	1.03E-07	4.37E-08
1431	495561.06	3858402	3.24E-04	3.17E-04	3.12E-04	1.12E-07	3.39E-07	1.96E-07	1.92E-07	1.74E-07	7.92E-08	7.82E-08	3.75E-09	9.06E-08	2.00E-08	2.60E-08	4.13E-08	7.27E-09	5.16E-09	1.94E-07	1.02E-07	4.34E-08	5.11E-08	2.01E-08	1.02E-07	4.34E-08
1432	495611.06	3858402	3.23E-04	3.15E-04	3.11E-04	1.12E-07	3.38E-07	1.96E-07	1.91E-07	1.73E-07	7.89E-08	7.79E-08	3.74E-09	9.02E-08	1.99E-08	2.59E-08	4.11E-08	7.24E-09	5.14E-09	1.93E-07	1.02E-07	4.33E-08	5.09E-08	2.00E-08	1.02E-07	4.33E-08
1433	495661.06	3858402	3.24E-04	3.16E-04	3.12E-04	1.12E-07	3.39E-07	1.96E-07	1.91E-07	1.73E-07	7.91E-08	7.81E-08	3.75E-09	9.05E-08	2.00E-08	2.60E-08	4.12E-08	7.26E-09	5.15E-09	1.94E-07	1.02E-07	4.34E-08	5.10E-08	2.01E-08	1.02E-07	4.34E-08
1434	494311.06	3858452	3.92E-04	3.83E-04	3.78E-04	1.36E-07	4.10E-07	2.37E-07	2.32E-07	2.10E-07	9.59E-08	9.46E-08	4.54E-09	1.10E-07	2.42E-08	3.15E-08	4.99E-08	8.80E-09	6.24E-09	2.35E-07	1.24E-07	5.26E-08	6.18E-08	2.43E-08	1.24E-07	5.26E-08
1435	494361.06	3858452	3.89E-04	3.80E-04	3.75E-04	1.35E-07	4.07E-07	2.35E-07	2.30E-07	2.08E-07	9.50E-08	9.38E-08	4.50E-09	1.09E-07	2.40E-08	3.12E-08	4.95E-08	8.72E-09	6.19E-09	2.33E-07	1.23E-07	5.21E-08	6.13E-08	2.41E-08	1.23E-07	5.21E-08
1436	494411.06	3858452	3.86E-04	3.77E-04	3.72E-04	1.34E-07	4.04E-07	2.34E-07	2.28E-07	2.07E-07	9.43E-08	9.31E-08	4.46E-09	1.08E-07	2.38E-08	3.10E-08	4.91E-08	8.66E-09	6.14E-09	2.31E-07	1.22E-07	5.17E-08	6.08E-08	2.39E-08	1.22E-07	5.17E-08
1437	494461.06	3858452	3.83E-04	3.74E-04	3.69E-04	1.33E-07	4.01E-07	2.32E-07	2.26E-07	2.05E-07	9.36E-08	9.24E-08	4.43E-09	1.07E-07	2.36E-08	3.07E-08	4.88E-08	8.59E-09	6.09E-09	2.29E-07	1.21E-07	5.13E-08	6.04E-08	2.37E-08	1.21E-07	5.13E-08
1438	494511.06	3858452	3.82E-04	3.72E-04	3.68E-04	1.32E-07	3.99E-07	2.31E-07	2.25E-07	2.04E-07	9.32E-08	9.20E-08	4.41E-09	1.07E-07	2.35E-08	3.06E-08	4.85E-08	8.55E-09	6.07E-09	2.28E-07	1.20E-07	5.11E-08	6.01E-08	2.36E-08	1.20E-07	5.11E-08
1439	494561.06	3858452	3.78E-04	3.69E-04	3.64E-04	1.31E-07	3.95E-07	2.29E-07	2.23E-07	2.03E-07	9.24E-08	9.12E-08	4.37E-09	1.06E-07	2.33E-08	3.03E-08	4.81E-08	8.48E-09	6.01E-09	2.26E-07	1.19E-07	5.07E-08	5.96E-08	2.34E-08	1.19E-07	5.07E-08
1440	494611.06	3858452	3.76E-04	3.67E-04	3.62E-04	1.30E-07	3.93E-07	2.27E-07	2.22E-07	2.01E-07	9.18E-08	9.06E-08	4.34E-09	1.05E-07	2.32E-08	3.01E-08	4.78E-08	8.42E-09	5.97E-09	2.25E-07	1.19E-07	5.03E-08	5.92E-08	2.33E-08	1.19E-07	5.03E-08
1441	494661.06	3858452	3.73E-04	3.64E-04	3.60E-04	1.29E-07	3.90E-07	2.26E-07	2.20E-07	2.00E-07	9.12E-08	9.00E-08	4.32E-09	1.04E-07	2.30E-08	2.99E-08	4.75E-08	8.37E-09	5.94E-09	2.23E-07	1.18E-07	5.00E-08	5.88E-08	2.31E-08	1.18E-07	5.00E-08
1442	494711.06	3858452	3.70E-04	3.62E-04	3.57E-04	1.28E-07	3.87E-07	2.24E-07	2.19E-07	1.98E-07	9.05E-08	8.93E-08	4.28E-09	1.03E-07	2.28E-08	2.97E-08	4.71E-08	8.30E-09	5.89E-09	2.22E-07	1.17E-07	4.96E-08	5.84E-08	2.29E-08	1.17E-07	4.96E-08
1443	494761.06	3858452	3.68E-04	3.59E-04	3.54E-04	1.27E-07	3.84E-07	2.22E-07	2.17E-07	1.97E-07	8.98E-08	8.86E-08	4.25E-09	1.03E-07	2.26E-08	2.95E-08	4.67E-08	8.24E-09	5.84E-09	2.20E-07	1.16E-07	4.92E-08	5.79E-08	2.27E-08	1.16E-07	4.92E-08
1444	494811.06	3858452	3.65E-04	3.56E-04	3.52E-04	1.26E-07	3.82E-07	2.21E-07	2.16E-07	1.95E-07	8.92E-08	8.80E-08	4.22E-09	1.02E-07	2.25E-08	2.93E-08	4.64E-08	8.18E-09	5.80E-09	2.18E-07	1.15E-07	4.89E-08	5.75E-08	2.26E-08	1.15E-07	4.89E-08
1445	494861.06	3858452	3.62E-04	3.53E-04	3.48E-04	1.25E-07	3.78E-07	2.19E-07	2.14E-07	1.94E-07	8.84E-08	8.72E-08	4.18E-09	1.01E-07	2.23E-08	2.90E-08	4.60E-08	8.11E-09	5.75E-09	2.16E-07	1.14E-07	4.84E-08	5.70E-08	2.24E-08	1.14E-07	4.84E-08
1446	494911.06	3858452	3.58E-04	3.50E-04	3.45E-04	1.24E-07	3.75E-07	2.17E-07	2.12E-07	1.92E-07	8.75E-08	8.64E-08	4.14E-09	1.00E-07	2.21E-08	2.87E-08	4.56E-08	8.03E-09	5.70E-09	2.14E-07	1.13E-07	4.80E-08	5.65E-08	2.22E-08	1.13E-07	4.80E-08
1447	494961.06	3858452	3.56E-04	3.47E-04	3.43E-04	1.23E-07	3.72E-07	2.15E-07	2.10E-07	1.91E-07	8.69E-08	8.58E-08	4.11E-09	9.94E-08	2.19E-08	2.85E-08	4.53E-08	7.98E-09	5.66E-09	2.13E-07	1.12E-07	4.77E-08	5.61E-08	2.20E-08	1.12E-07	4.77E-08
1448	495011.06	3858452	3.53E-04	3.44E-04	3.40E-04	1.22E-07	3.69E-07	2.13E-07	2.08E-07	1.89E-07	8.61E-08	8.50E-08	4.08E-09	9.85E-08	2.17E-08	2.83E-08	4.48E-08	7.90E-09	5.61E-09	2.11E-07	1.11E-07	4.72E-08	5.56E-08	2.18E-08	1.11E-07	4.72E-08
1449	495061.06	3858452	3.51E-04	3.42E-04	3.38E-04	1.21E-07	3.67E-07	2.12E-07	2.07E-07	1.88E-07	8.57E-08	8.46E-08	4.06E-09	9.80E-08	2.16E-08	2.81E-08	4.46E-08	7.87E-09	5.58E-09	2.10E-07	1.11E-07	4.70E-08	5.53E-08	2.17E-08	1.11E-07	4.70E-08
1450	495111.06	3858452	3.48E-04	3.39E-04	3.35E-04	1.20E-07	3.63E-07	2.10E-07	2.05E-07	1.86E-07	8.49E-08	8.38E-08	4.02E-09	9.71E-08	2.14E-08	2.79E-08	4.42E-08	7.79E-09	5.53E-09	2.08E-07	1.10E-07	4.66E-08	5.48E-08	2.15E-08	1.10E-07	4.66E-08
1451	495161.06	3858452	3.44E-04	3.36E-04	3.32E-04	1.19E-07	3.60E-07	2.08E-07	2.03E-07	1.84E-07	8.41E-08	8.30E-08	3.98E-09	9.61E-08	2.12E-08	2.76E-08	4.38E-08	7.72E-09	5.47E-09	2.06E-07	1.09E-07	4.61E-08	5.42E-08	2.13E-08	1.09E-07	4.61E-08
1452	495211.06	3858452	3.41E-04	3.33E-04	3.29E-04	1.18E-07	3.57E-07	2.07E-07	2.02E-07	1.83E-07	8.34E-08	8.23E-08	3.95E-09	9.53E-08	2.10E-08	2.74E-08	4.34E-08	7.65E-09	5.43E-09	2.04E-07	1.08E-07	4.57E-08	5.38E-08	2.11E-08	1.08E-07	4.57E-08
1453	495261.06	3858452	3.39E-04	3.31E-04	3.26E-04	1.17E-07	3.54E-07	2.05E-07	2.00E-07	1.81E-07	8.28E-08	8.17E-08	3.92E-09	9.46E-08	2.09E-08	2.72E-08	4.31E-08	7.60E-09	5.39E-09	2.03E-07	1.07E-07	4.54E-08	5.34E-08	2.10E-08	1.07E-07	4.54E-08
1454	495311.06	3858452	3.37E-04	3.29E-04	3.24E-04	1.17E-07	3.52E-07	2.04E-07	1.99E-07	1.80E-07	8.23E-08	8.12E-08	3.89E-09	9.41E-08	2.08E-08	2.70E-08	4.28E-08	7.55E-09	5.35E-09	2.01E-07	1.06E-07	4.51E-08	5.31E-08	2.08E-08	1.06E-07	4.51E-08
1455	495361.06	3858452	3.35E-04	3.27E-04	3.23E-04	1.16E-07	3.50E-07	2.03E-07	1.98E-07	1.79E-07	8.19E-08	8.08E-08	3.87E-09	9.36E-08	2.07E-08	2.69E-08	4.26E-08	7.51E-09	5.33E-09	2.00E-07	1.06E-07	4.49E-08	5.28E-08	2.07E-08	1.06E-07	4.49E-08
1456	495411.06	3858452	3.34E-04	3.26E-04	3.22E-04	1.16E-07	3.50E-07	2.02E-07	1.97E-07	1.79E-07	8.17E-08	8.06E-08	3.87E-09	9.34E-08	2.06E-08	2.68E-08	4.25E-08	7.49E-09	5.32E-09	2.00E-07	1.06E-07	4.48E-08	5.27E-08	2.07E-08	1.06E-07	4.48E-08
1457	495461.06	3858452	3.34E-04	3.25E-04	3.21E-04	1.15E-07	3.49E-07	2.02E-07	1.97E-07	1.79E-07	8.15E-08	8.04E-08	3.86E-09	9.31E-08	2.06E-08	2.67E-08	4.24E-08	7.48E-09	5.30E-09	1.99E-07	1.05E-07	4.47E-08	5.25E-08	2.06E-08	1.05E-07	4.47E-08
1458	495511.06	3858452	3.32E-04	3.24E-04	3.20E-04	1.15E-07	3.47E-07	2.01E-07	1.96E-07	1.78E-07	8.11E-08	8.00E-08	3.84E-09	9.27E-08	2.04E-08	2.66E-08	4.22E-08	7.44E-09	5.28E-09	1.98E-07	1.05E-07	4.44E-08	5.23E-08	2.05E-08	1.05E-07	4.44E-08
1459	495561.06	3858452	3.31E-04	3.23E-04	3.19E-04	1.15E-07	3.46E-07	2.00E-07	1.95E-07	1.77E-07	8.09E-08	7.98E-08	3.83E-09	9.24E-08	2.04E-08	2.65E-08	4.21E-08	7.42E-09	5.26E-09	1.98E-07	1.04E-07	4.43E-08	5.22E-08	2.05E-08	1.04E-07	4.43E-08
1460	495611.06	3858452	3.29E-04	3.21E-04	3.17E-04	1.14E-07	3.44E-07	1.99E-07	1.94E-07	1.76E-07	8.04E-08	7.94E-08	3.81E-09	9.20E-08	2.03E-08	2.64E-08	4.19E-08	7.38E-09	5.24E-09	1.97E-07	1.04E-07	4.41E-08	5.19E-08	2.04E-08	1.04E-07	4.41E-08
1461	495661.06	3858452	3.29E-04	3.21E-04	3.16E-04	1.14E-07	3.43E-07	1.99E-07	1.94E-07	1.76E-07	8.02E-08	7.92E-08	3.80E-09	9.17E-08	2.02E-08	2.63E-08	4.18E-08	7.36E-09	5.22E-09	1.97E-07	1.04E-07	4.40E-08	5.18E-08	2.03E-08	1.04E-07	4.40E-08
1462	494311.06	3858502	4.00E-04	3.90E-04	3.85E-04	1.38E-07	4.18E-07	2.42E-07	2.36E-07	2.14E-07	9.76E-08	9.63E-08	4.62E-09	1.12E-07	2.46E-08	3.20E-08	5.08E-08	8.95E-09	6.35E-09	2.39E-07	1.26E-07	5.35E-08	6.29E-08	2.47E-08	1.26E-07	5.35E-08
1463	494361.06	3858502	3.97E-04	3.87E-04	3.82E-04	1.37E-07	4.15E-07	2.40E-07	2.34E-07	2.13E-07	9.70E-08	9.57E-08	4.59E-09	1.11E-07	2.45E-08	3.18E-08	5.05E-08	8.90E-09	6.31E-09	2.37E-07	1.25E-07	5.32E-08	6.25E-08	2.46E-08	1.25E-07	5.32E-08
1464	494411.06	3858502	3.94E-04	3.84E-04	3.79E-04	1.36E-07	4.12E-07	2.38E-07	2.32E-07	2.11E-07	9.62E-08	9.49E-08	4.55E-09	1.10E-07	2.43E-08	3.16E-08	5.01E-08	8.82E-09	6.26E-09	2.35E-07	1.24E-07	5.27E-08	6.20E-08	2.44E-08	1.24E-07	5.27E-08
1465	494461.06	3858502	3.92E-04	3.82E-04	3.77E-04	1.36E-07	4.09E-07	2.37E-07	2.31E-07	2.10E-07	9.56E-08	9.44E-08	4.53E-09	1.09E-07	2.41E-08	3.14E-08	4.98E-08	8.78E-09	6.23E-09	2.34E-07	1.24E-07	5.24E-08	6.17E-08	2.42E-08	1.24E-07	5.24E-08
1466	494511.06	3858502	3.88E-04	3.79E-04	3.74E-04	1.34E-07	4.05E-07	2.35E-07	2.29E-07	2.08E-07	9.47E-08	9.35E-08	4.48E-09	1.08E-07	2.39E-08	3.11E-08	4.93E-08	8.69E-09	6.17E-09	2.32E-07	1.22E-07	5.19E-08	6.11E-08	2.40E-08	1.22E-07	5.19E-08
1467	494561.06	3858502	3.87E-04	3.78E-04	3.73E-04	1.34E-07	4.05E-07	2.34E-07	2.29E-07	2.07E-07	9.46E-08	9.34E-08	4.48E-09	1.08E-07	2.39E-08	3.11E-08	4.93E-08	8.68E-09	6.16E-09	2.32E-07	1.22E-07	5.19E-08	6.10E-08	2.40E-08	1.22E-07	5.19E-08
1468	494611.06	3858502	3.84E-04	3.75E-04	3.70E-04	1.33E-07	4.02E-07	2.32E-07	2.27E-07	2.06E-07	9.38E-08	9.26E-08	4.44E-09	1.07E-07	2.37E-08	3.08E-08	4.89E-08	8.61E-09	6.11E-09	2.30E-07	1.21E-07	5.14E-08	6.05E-08	2.38E-08	1.21E-07	5.14E-08
1469	494661.06	3858502	3.82E-04	3.72E-04	3.68E-04	1.32E-07	3.99E-07	2.31E-07	2.25E-07	2.04E-07	9.32E-08	9.20E-08	4.41E-09	1.07E-07	2.35E-08	3.06E-08	4.85E-08	8.55E-09	6.07E-09	2.28E-07	1.20E-07	5.11E-08	6.01E-08	2.36E-08	1.20E-07	5.11E-08
1470	494711.06	3858502	3.78E-04	3.69E-04	3.64E-04	1.31E-07	3.95E-07	2.29E-07	2.23E-07	2.03E-07	9.24E-08	9.12E-08	4.37E-09	1.06E-07	2.33E-08	3.03E-08	4.81E-08	8.48E-09	6.01E-09	2.26E-07	1.19E-07	5.07E-08	5.96E-08	2.34E-08	1.19E-07	5.07E-08
1471	494761.06	3858502	3.75E-04	3.66E-04	3.61E-04	1.30E-07	3.92E-07	2.27E-07	2.21E-07	2.01E-07	9.16E-08	9.04E-08	4.34E-09	1.05E-07	2.31E-08	3.01E-08	4.77E-08	8.41E-09	5.96E-09	2.24E-07	1.18E-07	5.02E-08	5.91E-08	2.32E-08	1.18E-07	5.02E-08
1472	494811.06	3858502	3.72E-04	3.63E-04	3.58E-04	1.29E-07	3.89E-07	2.25E-07	2.19E-07	1.99E-07	9.08E-08	8.96E-08	4.30E-09	1.04E-07	2.29E-08	2.98E-08	4.73E-08	8.33E-09	5.91E-09	2.22E-07	1.17E-07	4.98E-08	5.86E-08	2.30E-08	1.17E-07	4.98E-08
1473	494861.06	3858502	3.69E-04	3.60E-04	3.56E-04	1.28E-07	3.86E-07	2.23E-07	2.18E-07	1.98E-07	9.02E-08	8.90E-08	4.27E-09	1.03E-07	2.28E-08	2.96E-08	4.70E-08	8.28E-09	5.87E-09	2.21E-07	1.17E-07	4.94E-08	5.82E-08	2.29E-08	1.17E-07	4.94E-08

1474	494911.06	3858502	3.65E-04	3.56E-04	3.52E-04	1.26E-07	3.82E-07	2.21E-07	2.16E-07	1.95E-07	8.92E-08	8.80E-08	4.22E-09	1.02E-07	2.25E-08	2.93E-08	4.64E-08	8.18E-09	5.80E-09	2.18E-07	1.15E-07	4.89E-08	5.75E-08	2.26E-08	1.15E-07	4.89E-08
1475	494961.06	3858502	3.63E-04	3.54E-04	3.49E-04	1.26E-07	3.79E-07	2.19E-07	2.14E-07	1.94E-07	8.86E-08	8.74E-08	4.19E-09	1.01E-07	2.23E-08	2.91E-08	4.61E-08	8.13E-09	5.76E-09	2.17E-07	1.14E-07	4.86E-08	5.71E-08	2.24E-08	1.14E-07	4.86E-08
1476	495011.06	3858502	3.59E-04	3.51E-04	3.46E-04	1.24E-07	3.76E-07	2.17E-07	2.12E-07	1.92E-07	8.77E-08	8.66E-08	4.15E-09	1.00E-07	2.21E-08	2.88E-08	4.57E-08	8.05E-09	5.71E-09	2.15E-07	1.13E-07	4.81E-08	5.66E-08	2.22E-08	1.13E-07	4.81E-08
1477	495061.06	3858502	3.57E-04	3.48E-04	3.44E-04	1.24E-07	3.73E-07	2.16E-07	2.11E-07	1.91E-07	8.71E-08	8.60E-08	4.12E-09	9.96E-08	2.20E-08	2.86E-08	4.54E-08	8.00E-09	5.67E-09	2.13E-07	1.13E-07	4.78E-08	5.62E-08	2.21E-08	1.13E-07	4.78E-08
1478	495111.06	3858502	3.53E-04	3.44E-04	3.40E-04	1.22E-07	3.69E-07	2.13E-07	2.08E-07	1.89E-07	8.61E-08	8.50E-08	4.08E-09	9.85E-08	2.17E-08	2.83E-08	4.48E-08	7.90E-09	5.61E-09	2.11E-07	1.11E-07	4.72E-08	5.56E-08	2.18E-08	1.11E-07	4.72E-08
1479	495161.06	3858502	3.50E-04	3.41E-04	3.37E-04	1.21E-07	3.66E-07	2.12E-07	2.06E-07	1.87E-07	8.54E-08	8.43E-08	4.04E-09	9.77E-08	2.15E-08	2.80E-08	4.45E-08	7.84E-09	5.56E-09	2.09E-07	1.10E-07	4.68E-08	5.51E-08	2.16E-08	1.10E-07	4.68E-08
1480	495211.06	3858502	3.47E-04	3.38E-04	3.34E-04	1.20E-07	3.63E-07	2.10E-07	2.05E-07	1.86E-07	8.47E-08	8.36E-08	4.01E-09	9.68E-08	2.14E-08	2.78E-08	4.41E-08	7.77E-09	5.51E-09	2.07E-07	1.09E-07	4.64E-08	5.46E-08	2.15E-08	1.09E-07	4.64E-08
1481	495261.06	3858502	3.45E-04	3.36E-04	3.32E-04	1.19E-07	3.60E-07	2.09E-07	2.04E-07	1.85E-07	8.42E-08	8.31E-08	3.99E-09	9.63E-08	2.12E-08	2.76E-08	4.38E-08	7.73E-09	5.48E-09	2.06E-07	1.09E-07	4.62E-08	5.43E-08	2.13E-08	1.09E-07	4.62E-08
1482	495311.06	3858502	3.43E-04	3.35E-04	3.30E-04	1.19E-07	3.59E-07	2.08E-07	2.03E-07	1.84E-07	8.38E-08	8.27E-08	3.97E-09	9.58E-08	2.11E-08	2.75E-08	4.36E-08	7.69E-09	5.45E-09	2.05E-07	1.08E-07	4.59E-08	5.41E-08	2.12E-08	1.08E-07	4.59E-08
1483	495361.06	3858502	3.41E-04	3.33E-04	3.29E-04	1.18E-07	3.57E-07	2.07E-07	2.02E-07	1.83E-07	8.34E-08	8.23E-08	3.95E-09	9.53E-08	2.10E-08	2.74E-08	4.34E-08	7.65E-09	5.43E-09	2.04E-07	1.08E-07	4.57E-08	5.38E-08	2.11E-08	1.08E-07	4.57E-08
1484	495411.06	3858502	3.40E-04	3.32E-04	3.28E-04	1.18E-07	3.56E-07	2.06E-07	2.01E-07	1.82E-07	8.31E-08	8.20E-08	3.93E-09	9.50E-08	2.10E-08	2.73E-08	4.33E-08	7.62E-09	5.41E-09	2.03E-07	1.07E-07	4.56E-08	5.36E-08	2.11E-08	1.07E-07	4.56E-08
1485	495461.06	3858502	3.39E-04	3.31E-04	3.27E-04	1.17E-07	3.55E-07	2.05E-07	2.00E-07	1.82E-07	8.29E-08	8.18E-08	3.92E-09	9.48E-08	2.09E-08	2.72E-08	4.32E-08	7.61E-09	5.39E-09	2.03E-07	1.07E-07	4.54E-08	5.35E-08	2.10E-08	1.07E-07	4.54E-08
1486	495511.06	3858502	3.38E-04	3.30E-04	3.25E-04	1.17E-07	3.53E-07	2.04E-07	1.99E-07	1.81E-07	8.25E-08	8.14E-08	3.90E-09	9.43E-08	2.08E-08	2.71E-08	4.29E-08	7.57E-09	5.37E-09	2.02E-07	1.07E-07	4.52E-08	5.32E-08	2.09E-08	1.07E-07	4.52E-08
1487	495561.06	3858502	3.38E-04	3.30E-04	3.25E-04	1.17E-07	3.53E-07	2.04E-07	1.99E-07	1.81E-07	8.25E-08	8.14E-08	3.90E-09	9.43E-08	2.08E-08	2.71E-08	4.29E-08	7.57E-09	5.37E-09	2.02E-07	1.07E-07	4.52E-08	5.32E-08	2.09E-08	1.07E-07	4.52E-08
1488	495611.06	3858502	3.35E-04	3.27E-04	3.23E-04	1.16E-07	3.50E-07	2.03E-07	1.98E-07	1.79E-07	8.19E-08	8.08E-08	3.87E-09	9.36E-08	2.07E-08	2.69E-08	4.26E-08	7.51E-09	5.33E-09	2.00E-07	1.06E-07	4.49E-08	5.28E-08	2.07E-08	1.06E-07	4.49E-08
1489	495661.06	3858502	3.35E-04	3.27E-04	3.22E-04	1.16E-07	3.50E-07	2.03E-07	1.98E-07	1.79E-07	8.18E-08	8.07E-08	3.87E-09	9.35E-08	2.06E-08	2.68E-08	4.26E-08	7.50E-09	5.32E-09	2.00E-07	1.06E-07	4.48E-08	5.27E-08	2.07E-08	1.06E-07	4.48E-08
1490	494311.06	3858552	4.02E-04	3.92E-04	3.87E-04	1.39E-07	4.20E-07	2.43E-07	2.37E-07	2.15E-07	9.82E-08	9.69E-08	4.65E-09	1.12E-07	2.48E-08	3.22E-08	5.11E-08	9.01E-09	6.39E-09	2.40E-07	1.27E-07	5.38E-08	6.33E-08	2.49E-08	1.27E-07	5.38E-08
1491	494361.06	3858552	4.02E-04	3.92E-04	3.87E-04	1.39E-07	4.20E-07	2.43E-07	2.37E-07	2.15E-07	9.82E-08	9.69E-08	4.65E-09	1.12E-07	2.48E-08	3.22E-08	5.11E-08	9.01E-09	6.39E-09	2.40E-07	1.27E-07	5.38E-08	6.33E-08	2.49E-08	1.27E-07	5.38E-08
1492	494411.06	3858552	4.03E-04	3.93E-04	3.88E-04	1.39E-07	4.21E-07	2.44E-07	2.38E-07	2.16E-07	9.84E-08	9.71E-08	4.66E-09	1.12E-07	2.48E-08	3.23E-08	5.12E-08	9.03E-09	6.40E-09	2.41E-07	1.27E-07	5.39E-08	6.35E-08	2.49E-08	1.27E-07	5.39E-08
1493	494461.06	3858552	4.01E-04	3.91E-04	3.86E-04	1.39E-07	4.19E-07	2.43E-07	2.37E-07	2.15E-07	9.80E-08	9.67E-08	4.64E-09	1.12E-07	2.47E-08	3.22E-08	5.10E-08	8.99E-09	6.38E-09	2.40E-07	1.27E-07	5.37E-08	6.32E-08	2.48E-08	1.27E-07	5.37E-08
1494	494511.06	3858552	3.99E-04	3.89E-04	3.84E-04	1.38E-07	4.17E-07	2.41E-07	2.35E-07	2.13E-07	9.74E-08	9.61E-08	4.61E-09	1.11E-07	2.46E-08	3.20E-08	5.07E-08	8.94E-09	6.34E-09	2.38E-07	1.26E-07	5.34E-08	6.28E-08	2.47E-08	1.26E-07	5.34E-08
1495	494561.06	3858552	3.97E-04	3.87E-04	3.82E-04	1.37E-07	4.15E-07	2.40E-07	2.34E-07	2.12E-07	9.69E-08	9.56E-08	4.58E-09	1.11E-07	2.44E-08	3.18E-08	5.04E-08	8.89E-09	6.30E-09	2.37E-07	1.25E-07	5.31E-08	6.25E-08	2.45E-08	1.25E-07	5.31E-08
1496	494611.06	3858552	3.94E-04	3.85E-04	3.79E-04	1.36E-07	4.12E-07	2.38E-07	2.33E-07	2.11E-07	9.63E-08	9.50E-08	4.56E-09	1.10E-07	2.43E-08	3.16E-08	5.01E-08	8.83E-09	6.26E-09	2.36E-07	1.24E-07	5.28E-08	6.21E-08	2.44E-08	1.24E-07	5.28E-08
1497	494661.06	3858552	3.92E-04	3.82E-04	3.77E-04	1.36E-07	4.09E-07	2.37E-07	2.31E-07	2.10E-07	9.56E-08	9.44E-08	4.53E-09	1.09E-07	2.41E-08	3.14E-08	4.98E-08	8.78E-09	6.23E-09	2.34E-07	1.24E-07	5.24E-08	6.17E-08	2.42E-08	1.24E-07	5.24E-08
1498	494711.06	3858552	3.87E-04	3.78E-04	3.73E-04	1.34E-07	4.05E-07	2.34E-07	2.29E-07	2.07E-07	9.46E-08	9.34E-08	4.48E-09	1.08E-07	2.39E-08	3.11E-08	4.93E-08	8.68E-09	6.16E-09	2.32E-07	1.22E-07	5.19E-08	6.10E-08	2.40E-08	1.22E-07	5.19E-08
1499	494761.06	3858552	3.83E-04	3.74E-04	3.69E-04	1.33E-07	4.01E-07	2.32E-07	2.26E-07	2.05E-07	9.36E-08	9.24E-08	4.43E-09	1.07E-07	2.36E-08	3.07E-08	4.88E-08	8.59E-09	6.09E-09	2.29E-07	1.21E-07	5.13E-08	6.04E-08	2.37E-08	1.21E-07	5.13E-08
1500	494811.06	3858552	3.80E-04	3.71E-04	3.66E-04	1.32E-07	3.98E-07	2.30E-07	2.25E-07	2.04E-07	9.29E-08	9.17E-08	4.40E-09	1.06E-07	2.34E-08	3.05E-08	4.84E-08	8.53E-09	6.05E-09	2.28E-07	1.20E-07	5.09E-08	5.99E-08	2.35E-08	1.20E-07	5.09E-08
1501	494861.06	3858552	3.77E-04	3.68E-04	3.63E-04	1.30E-07	3.94E-07	2.28E-07	2.22E-07	2.02E-07	9.20E-08	9.08E-08	4.35E-09	1.05E-07	2.32E-08	3.02E-08	4.79E-08	8.44E-09	5.99E-09	2.25E-07	1.19E-07	5.04E-08	5.93E-08	2.33E-08	1.19E-07	5.04E-08
1502	494911.06	3858552	3.73E-04	3.64E-04	3.59E-04	1.29E-07	3.90E-07	2.26E-07	2.20E-07	2.00E-07	9.11E-08	8.99E-08	4.31E-09	1.04E-07	2.30E-08	2.99E-08	4.74E-08	8.36E-09	5.93E-09	2.23E-07	1.18E-07	4.99E-08	5.88E-08	2.31E-08	1.18E-07	4.99E-08
1503	494961.06	3858552	3.70E-04	3.61E-04	3.56E-04	1.28E-07	3.86E-07	2.24E-07	2.18E-07	1.98E-07	9.03E-08	8.91E-08	4.27E-09	1.03E-07	2.28E-08	2.96E-08	4.70E-08	8.28E-09	5.88E-09	2.21E-07	1.17E-07	4.95E-08	5.82E-08	2.29E-08	1.17E-07	4.95E-08
1504	495011.06	3858552	3.66E-04	3.57E-04	3.52E-04	1.27E-07	3.82E-07	2.21E-07	2.16E-07	1.96E-07	8.93E-08	8.81E-08	4.23E-09	1.02E-07	2.25E-08	2.93E-08	4.65E-08	8.19E-09	5.81E-09	2.19E-07	1.15E-07	4.89E-08	5.76E-08	2.26E-08	1.15E-07	4.89E-08
1505	495061.06	3858552	3.63E-04	3.54E-04	3.50E-04	1.26E-07	3.79E-07	2.20E-07	2.14E-07	1.94E-07	8.87E-08	8.75E-08	4.20E-09	1.01E-07	2.24E-08	2.91E-08	4.62E-08	8.14E-09	5.77E-09	2.17E-07	1.15E-07	4.86E-08	5.72E-08	2.25E-08	1.15E-07	4.86E-08
1506	495111.06	3858552	3.58E-04	3.50E-04	3.45E-04	1.24E-07	3.75E-07	2.17E-07	2.12E-07	1.92E-07	8.75E-08	8.64E-08	4.14E-09	1.00E-07	2.21E-08	2.87E-08	4.56E-08	8.03E-09	5.70E-09	2.14E-07	1.13E-07	4.80E-08	5.65E-08	2.22E-08	1.13E-07	4.80E-08
1507	495161.06	3858552	3.55E-04	3.47E-04	3.42E-04	1.23E-07	3.71E-07	2.15E-07	2.10E-07	1.90E-07	8.67E-08	8.56E-08	4.11E-09	9.92E-08	2.19E-08	2.85E-08	4.52E-08	7.96E-09	5.64E-09	2.12E-07	1.12E-07	4.76E-08	5.59E-08	2.20E-08	1.12E-07	4.76E-08
1508	495211.06	3858552	3.53E-04	3.44E-04	3.40E-04	1.22E-07	3.69E-07	2.13E-07	2.08E-07	1.89E-07	8.61E-08	8.50E-08	4.08E-09	9.85E-08	2.17E-08	2.83E-08	4.48E-08	7.90E-09	5.61E-09	2.11E-07	1.11E-07	4.72E-08	5.56E-08	2.18E-08	1.11E-07	4.72E-08
1509	495261.06	3858552	3.50E-04	3.42E-04	3.37E-04	1.21E-07	3.66E-07	2.12E-07	2.07E-07	1.87E-07	8.55E-08	8.44E-08	4.05E-09	9.78E-08	2.16E-08	2.81E-08	4.45E-08	7.85E-09	5.57E-09	2.09E-07	1.11E-07	4.69E-08	5.52E-08	2.17E-08	1.11E-07	4.69E-08
1510	495311.06	3858552	3.49E-04	3.41E-04	3.36E-04	1.21E-07	3.65E-07	2.11E-07	2.06E-07	1.87E-07	8.53E-08	8.42E-08	4.04E-09	9.75E-08	2.15E-08	2.80E-08	4.44E-08	7.83E-09	5.55E-09	2.09E-07	1.10E-07	4.68E-08	5.50E-08	2.16E-08	1.10E-07	4.68E-08
1511	495361.06	3858552	3.48E-04	3.39E-04	3.35E-04	1.20E-07	3.63E-07	2.10E-07	2.05E-07	1.86E-07	8.49E-08	8.38E-08	4.02E-09	9.71E-08	2.14E-08	2.79E-08	4.42E-08	7.79E-09	5.53E-09	2.08E-07	1.10E-07	4.66E-08	5.48E-08	2.15E-08	1.10E-07	4.66E-08
1512	495411.06	3858552	3.47E-04	3.38E-04	3.34E-04	1.20E-07	3.63E-07	2.10E-07	2.05E-07	1.86E-07	8.47E-08	8.36E-08	4.01E-09	9.68E-08	2.14E-08	2.78E-08	4.41E-08	7.77E-09	5.51E-09	2.07E-07	1.09E-07	4.64E-08	5.46E-08	2.15E-08	1.09E-07	4.64E-08
1513	495461.06	3858552	3.45E-04	3.37E-04	3.32E-04	1.19E-07	3.61E-07	2.09E-07	2.04E-07	1.85E-07	8.43E-08	8.32E-08	3.99E-09	9.64E-08	2.13E-08	2.77E-08	4.39E-08	7.74E-09	5.49E-09	2.06E-07	1.09E-07	4.62E-08	5.44E-08	2.14E-08	1.09E-07	4.62E-08
1514	495511.06	3858552	3.44E-04	3.36E-04	3.32E-04	1.19E-07	3.60E-07	2.08E-07	2.03E-07	1.84E-07	8.41E-08	8.30E-08	3.98E-09	9.61E-08	2.12E-08	2.76E-08	4.38E-08	7.72E-09	5.47E-09	2.06E-07	1.09E-07	4.61E-08	5.42E-08	2.13E-08	1.09E-07	4.61E-08
1515	495561.06	3858552	3.43E-04	3.35E-04	3.30E-04	1.19E-07	3.59E-07	2.08E-07	2.03E-07	1.84E-07	8.38E-08	8.27E-08	3.97E-09	9.58E-08	2.11E-08	2.75E-08	4.36E-08	7.69E-09	5.45E-09	2.05E-07	1.08E-07	4.59E-08	5.41E-08	2.12E-08	1.08E-07	4.59E-08
1516	495611.06	3858552	3.42E-04	3.34E-04	3.29E-04	1.18E-07	3.57E-07	2.07E-07	2.02E-07	1.83E-07	8.35E-08	8.24E-08	3.95E-09	9.55E-08	2.11E-08	2.74E-08	4.35E-08	7.66E-09	5.43E-09	2.04E-07	1.08E-07	4.58E-08	5.39E-08	2.12E-08	1.08E-07	4.58E-08
1517	495661.06	3858552	3.40E-04	3.32E-04	3.28E-04	1.18E-07	3.56E-07	2.06E-07	2.01E-07	1.82E-07	8.31E-08	8.20E-08	3.93E-09	9.50E-08	2.10E-08	2.73E-08	4.33E-08	7.62E-09	5.41E-09	2.03E-07	1.07E-07	4.56E-08	5.36E-08	2.11E-08	1.07E-07	4.56E-08
1518	494311.06	3858602	4.01E-04	3.91E-04	3.86E-04	1.39E-07	4.19E-07	2.42E-07	2.37E-07	2.15E-07	9.79E-08	9.66E-08	4.63E-09	1.12E-07	2.47E-08	3.21E-08	5.10E-08	8.98E-09	6.37E-09	2.40E-07	1.26E-07	5.37E-08	6.31E-08	2.48E-08	1.26E-07	5.37E-08
1519	494361.06	3858602	4.07E-04	3.97E-04	3.92E-04	1.41E-07	4.25E-07	2.46E-07	2.40E-07	2.18E-07	9.94E-08	9.81E-08	4.70E-09	1.14E-07	2.51E-08	3.26E-08	5.18E-08	9.12E-09	6.47E-09	2.43E-07	1.28E-07	5.45E-08	6.41E-08	2.52E-08	1.28E-07	5.45E-08
1520	494411.06	3858602	4.13E-04	4.03E-04	3.97E-04	1.43E-07	4.31E-07	2.50E-07	2.44E-07	2.21E-07	1.01E-07	9.95E-08	4.77E-09	1.15E-07	2.54E-08	3.31E-08	5.25E-08	9.25E-09	6.56E-09	2.47E-07	1.30E-07	5.53E-08	6.50E-08	2.55E-08	1.30E-07	5.53E-08
1521	494461.06	3858602	4.11E-04	4.01E-04	3.95E-04	1.42E-07	4.29E-07	2.49E-07	2.43E-07	2.20E-07	1.00E-07	9.90E-08	4.75E-09	1.15E-07	2.53E-08	3.29E-08	5.22E-08	9.21E-09	6.53E-09	2.46E-07	1.30E-07	5.50E-08	6.47E-08	2.54E-08	1.30E-07	5.50E-08
1522	494511.06	3858602	4.07E-04	3.97E-04	3.92E-04	1.41E-07	4.25E-07	2.46E-07	2.40E-07	2.18E-07	9.94E-08	9.81E-08	4.70E-09	1.14E-07	2.51E-08	3.26E-08	5.18E-08	9.12E-09	6.47E-09	2.43E-07	1.28E-07	5.45E-08	6.41E-08	2.52E-08	1.28E-07	5.45E-08
1523	494561.06	3858602	4.07E-04	3.97E-04	3.91E-04	1.41E-07	4.25E-07	2.46E-07	2.40E-07	2.18E-07	9.93E-08	9.80E-08	4.70E-09	1.14E-07	2.51E-08	3.26E-08	5.17E-08	9.11E-09	6.46E-09	2.43E-07	1.28E-07	5.44E-08	6.41E-08	2.52E-08	1.28E-07	5.44E-08
1524	494611.06	3858602	4.03E-04	3.94E-04	3.88E-04	1.40E-07	4.21E-07	2.44E-07	2.38E-07	2.16E-07	9.85E-08	9.72E-08	4.66E-09	1.13E-07	2.48E-08	3.23E-08	5.13E-08	9.04E-09	6.41E-09	2.41E-07	1.27E-07	5.40E-08	6.35E-08	2.50E-08	1.27E-07	5.40E-08
1525	494661.06	3858602	4.00E-04	3.90E-04	3.85E-04	1.38E-07	4.18E-07	2.42E-07	2.36E-07	2.14E-07	9.77E-08	9.64E-08	4.62E-09	1.12E-07	2.46E-08	3.21E-08	5.09E-08	8.96E-09	6.36E-09	2.39E-07	1.26E-07	5.36E-08	6.30E-08	2.48E-08	1.26E-07	5.36E-08
1526	494711.06	3858602	3.97E-04	3.87E-04	3.82E-04	1.37E-07	4.15E-07	2.40E-07	2.34E-07	2.12E-07	9.69E-08	9.56E-08	4.58E-09	1.11E-07	2.44E-08	3.18E-08	5.04E-08	8.89E-09	6.30E-09	2.37E-07	1.25E-07	5.31E-08	6.25E-08	2.45E-08	1.25E-07	5.31E-08
1527	494761.06	3858602	3.93E-04	3.83E-04	3.78E-04	1.36E-07	4.11E-07	2.38E-07	2.32E-07	2.10E-07	9.60E-08	9.47E-08	4.54E-09	1.10E-07	2.42E-08	3.15E-08	5.00E-08	8.81E-09	6.25E-09	2.35E-07	1.24E-07	5.26E-08	6.19E-08	2.43E-08	1.24E-07	5.26E-08
1528	494811.06	3858602	3.88E-04	3.79E-04	3.74E-04	1.34E-07	4.05E-07	2.35E-07	2.29E-07	2.08E-07	9.47E-08	9.35E-08	4.48E-09	1.08E-07	2.39E-08	3.11E-08	4.93E-08	8.69E-09	6.17E-09	2.32E-07	1.22E-07	5.19E-08	6.11E-08	2.40E-08	1.22E-07	5.19E-08
1529	494861.06	3858602	3.85E-04	3.75E-04	3.70E-04	1.33E-07	4.02E-07	2.33E-07	2.27E-07	2.06E-07	9.39E-08	9.27E-08	4.45E-09	1.07E-07	2.37E-08	3.08E-08	4.89E-08	8.62E-09	6.11E-09	2.30E-07	1.21E-07	5.15E-08	6.06E-08	2.38E-08	1.21E-07	5.15E-08
1530	494911.06	3858602	3.80E-04	3.71E-04	3.66E-04	1.32E-07	3.97E-07	2.30E-07	2.24E-07	2.03E-07	9.28E-08	9.16E-08	4.39E-09	1.06E-07	2.34E-08	3.05E-08	4.83E-08	8.52E-09	6.04E-09	2.27E-07	1.20E-07	5.09E-08	5.99E-08	2.35E-08	1.20E-07	5.09E-08
1531	494961.06	3858602	3.76E-04	3.67E-04	3.62E-04	1.30E-07	3.93E-07	2.28E-07	2.22E-07	2.01E-07	9.19E-08	9.07E-08	4.35E-09	1.05E-07	2.32E-08	3.02E-08	4.79E-08	8.43E-09	5.98E-09	2.25E-07	1.19E-07	5.04E-08	5.93E-08	2.33E-08	1.19E-07	5.04E-08
1532	495011.06	3858602	3.73E-04	3.64E-04	3.59E-04	1.29E-07	3.90E-07	2.26E-07	2.20E-07	2.00E-07	9.11E-08	8.99E-08	4.31E-09	1.04E-07	2.30E-08	2.99E-08	4.74E-08	8.36E-09	5.93E-09	2.23E-07	1.18E-07	4.99E-08	5.88E-08	2.31E-08	1.18E-07	4.99E-08
1533	495061.06	3858602	3.69E-04	3.60E-04	3.56E-04	1.28E-07	3.86E-07	2.23E-07	2.18E-07	1.98E-07	9.02E-08	8.90E-08	4.27E-09	1.03E-07	2.28E-08	2.96E-08	4.70E-08	8.28E-09	5.87E-09	2.21E-07	1.17E-07	4.94E-08	5.82E-08	2.29E-08	1.17E-07	4.94E-08
1534	495111.06	3858602	3.64E-04	3.55E-04	3.51E-04	1.26E-07	3.81E-07	2.20E-07	2.15E-07	1.95E-07	8.90E-08	8.78E-08	4.21E-09	1.02E-07	2.24E-08	2.92E-08	4.63E-08	8.16E-09	5.79E-09	2.18E-07	1.15E-07	4.88E-08	5.74E-08	2.25E-08	1.15E-07	4.88E-08
1535	495161.06	3858602	3.62E-04	3.53E-04	3.48E-04	1.25E-07	3.78E-07	2.19E-07	2.14E-07	1.94E-07	8.84E-08	8.72E-08	4.18E-09	1.01E-07	2.23E-08	2.90E-08	4.60E-08	8.11E-09	5.75E-09	2.16E-07	1.14E-07	4.84E-08	5.70E-08	2.24E-08	1.14E-07	4.84E-08
1536	495211.06	3858602	3.59E-04	3.51E-04	3.46E-04	1.24E-07	3.76E-07	2.17E-07	2.12E-07	1.92E-07	8.77E-08	8.66E-08	4.15E-09	1.00E-07	2.21E-08	2.88E-08	4.57E-08	8.05E-09	5.71E-09	2.15E-07	1.13E-07	4.81E-08	5.66E-08	2.22E-08	1.13E-07	4.81E-08
1537	495261.06	3858602	3.57E-04	3.49E-04	3.44E-04	1.24E-07	3.73E-07	2.16E-07	2.11E-07	1.91E-07	8.72E-08	8.61E-08	4.13E-09	9.97E-08	2.20E-08	2.86E-08	4.54E-08	8.01E-09	5.68E-09	2.14E-07	1.13E-07	4.78E-08	5.63E-08	2.21E-08	1.13E-07	4.78E-08
1538	495311.06	3858602	3.55E-04	3.47E-04	3.42E-04	1.23E-07	3.71E-07	2.15E-07	2.10E-07	1.90E-07	8.67E-08	8.56E-08	4.11E-09	9.92E-08	2.19E-08	2.85E-08	4.52E-08	7.96E-09	5.64E-09	2.12E-07	1.12E-07	4.76E-08	5.59E-08	2.20E-08	1.12E-07	4.76E-08
1539	495361.06	3858602	3.54E-04	3.45E-04	3.41E-04	1.23E-07	3.70E-07	2.14E-07	2.09E-07	1.89E-07	8.64E-08	8.53E-08	4.09E-09	9.88E-08	2.18E-08	2.84E-08	4.50E-08	7.93E-09	5.63E-09	2.12E-07	1.12E-07	4.74E-08	5.57E-08	2.19E-08	1.12E-07	4.74E-08
1540	495411.06	3858602	3.53E-04	3.44E-04	3.40E-04	1.22E-07	3.69E-07	2.13E-07	2.08E-07	1.89E-07	8.61E-08	8.50E-08	4.08E-09	9.85E-08	2.17E-08	2.83E-08	4.48E-08	7.90E-09	5.61E-09	2.11E-07	1.11E-07	4.72E-08	5.56E-08	2.18E-08	1.11E-07	4.72E-08
1541	495461.06	3858602	3.51E-04	3.43E-04	3.38E-04	1.22E-07	3.67E-07	2.13E-07	2.07E-07	1.88E-07	8.58E-08	8.47E-08	4.06E-09	9.81E-08	2.17E-08	2.82E-08	4.47E-08	7.88E-09	5.59E-09	2.10E-07	1.11E-07	4.71E-08	5.54E-08	2.17E-08	1.11E-07	4.71E-08
1542	495511.06	3858602	3.50E-04	3.41E-04	3.37E-04	1.21E-07	3.66E-07	2.12E-07	2.06E-07	1.87E-07	8.54E-08	8.43E-08	4.04E-09	9.77E-08	2.15E-08	2.80E-08	4.45E-08	7.84E-09	5.56E-09	2.09E-07	1.10E-07	4.68E-08	5.51E-08	2.16E-08	1.10E-07	4.68E-08
1543	495561.06	3858602	3.49E-04	3.40E-04	3.36E-04	1.21E-07	3.65E-07	2.11E-07	2.06E-07	1.87E-07	8.52E-08	8.41E-08	4.03E-09	9.74E-08	2.15E-08	2.80E-08	4.44E-08	7.82E-09	5.55E-09	2.09E-07	1.10E-07	4.67E-08	5.50E-08	2.16E-08	1.10E-07	4.67E-08
1544	495611.06	3858602	3.47E-04	3.39E-04	3.34E-04	1.20E-07	3.63E-07	2.10E-07	2.05E-07	1.86E-07	8.48E-08	8.37E-08	4.01E-09	9.70E-08	2.14E-08	2.78E-08	4.42E-08	7.78E-09	5.52E-09	2.08E-07	1.10E-07	4.65E-08	5.47E-08	2.15E-08	1.10E-07	4.65E-08
1545	495661.06	3858602	3.46E-04	3.37E-04	3.33E-04	1.20E-07	3.61E-07	2.09E-07	2.04E-07	1.85E-07	8.44E-08	8.33E-08	3.99E-09	9.65E-08	2.13E-08	2.77E-08	4.39E-08	7.75E-09	5.49E-09	2.07E-07	1.09E-07	4.63E-08	5.44E-08	2.14E-08	1.09E-07	4.63E-08
1546	494311.06	3858652	4.06E-04	3.96E-04	3.91E-04	1.40E-07	4.24E-07	2.46E-07	2.40E-07	2.17E-07	9.91E-08	9.78E-08	4.69E-09	1.13E-07	2.50E-08	3.25E-08	5.16E-08	9.09E-09	6.45E-09	2.43E-07	1.28E-07	5.43E-08	6.39E-08	2.51E-08	1.28E-07	5.43E-08
1547	494361.06	3858652	4.12E-04	4.02E-04	3.97E-04	1.43E-07	4.31E-07	2.49E-07	2.43E-07	2.20E-07	1.01E-07	9.93E-08	4.76E-09	1.15E-07	2.54E-08	3.30E-08	5.24E-08	9.23E-09	6.55E-09	2.46E-07	1.30E-07	5.52E-08	6.49E-08	2.55E-08	1.30E-07	5.52E-08

1548	494411.06	3858652	4.20E-04	4.10E-04	4.05E-04	1.45E-07	4.39E-07	2.54E-07	2.48E-07	2.25E-07	1.03E-07	1.01E-07	4.86E-09	1.17E-07	2.59E-08	3.37E-08	5.34E-08	9.42E-09	6.68E-09	2.51E-07	1.33E-07	5.63E-08	6.62E-08	2.60E-08	1.33E-07	5.63E-08
1549	494461.06	3858652	4.21E-04	4.11E-04	4.05E-04	1.46E-07	4.40E-07	2.55E-07	2.48E-07	2.25E-07	1.03E-07	1.01E-07	4.86E-09	1.17E-07	2.59E-08	3.37E-08	5.35E-08	9.43E-09	6.69E-09	2.52E-07	1.33E-07	5.63E-08	6.63E-08	2.60E-08	1.33E-07	5.63E-08
1550	494511.06	3858652	4.18E-04	4.08E-04	4.03E-04	1.45E-07	4.37E-07	2.53E-07	2.47E-07	2.24E-07	1.02E-07	1.01E-07	4.83E-09	1.17E-07	2.58E-08	3.35E-08	5.32E-08	9.37E-09	6.65E-09	2.50E-07	1.32E-07	5.60E-08	6.59E-08	2.59E-08	1.32E-07	5.60E-08
1551	494561.06	3858652	4.16E-04	4.06E-04	4.00E-04	1.44E-07	4.35E-07	2.52E-07	2.45E-07	2.22E-07	1.02E-07	1.00E-07	4.81E-09	1.16E-07	2.56E-08	3.33E-08	5.29E-08	9.32E-09	6.61E-09	2.49E-07	1.31E-07	5.57E-08	6.55E-08	2.57E-08	1.31E-07	5.57E-08
1552	494611.06	3858652	4.13E-04	4.03E-04	3.98E-04	1.43E-07	4.32E-07	2.50E-07	2.44E-07	2.21E-07	1.01E-07	9.96E-08	4.78E-09	1.15E-07	2.55E-08	3.31E-08	5.25E-08	9.26E-09	6.57E-09	2.47E-07	1.30E-07	5.53E-08	6.51E-08	2.56E-08	1.30E-07	5.53E-08
1553	494661.06	3858652	4.09E-04	4.00E-04	3.94E-04	1.42E-07	4.28E-07	2.48E-07	2.42E-07	2.19E-07	1.00E-07	9.87E-08	4.73E-09	1.14E-07	2.52E-08	3.28E-08	5.21E-08	9.18E-09	6.51E-09	2.45E-07	1.29E-07	5.48E-08	6.45E-08	2.53E-08	1.29E-07	5.48E-08
1554	494711.06	3858652	4.05E-04	3.96E-04	3.90E-04	1.40E-07	4.24E-07	2.45E-07	2.39E-07	2.17E-07	9.90E-08	9.77E-08	4.69E-09	1.13E-07	2.50E-08	3.25E-08	5.15E-08	9.08E-09	6.44E-09	2.42E-07	1.28E-07	5.43E-08	6.39E-08	2.51E-08	1.28E-07	5.43E-08
1555	494761.06	3858652	4.02E-04	3.92E-04	3.87E-04	1.39E-07	4.20E-07	2.43E-07	2.37E-07	2.15E-07	9.81E-08	9.68E-08	4.64E-09	1.12E-07	2.47E-08	3.22E-08	5.11E-08	9.00E-09	6.38E-09	2.40E-07	1.27E-07	5.38E-08	6.33E-08	2.49E-08	1.27E-07	5.38E-08
1556	494811.06	3858652	3.97E-04	3.87E-04	3.82E-04	1.37E-07	4.15E-07	2.40E-07	2.34E-07	2.13E-07	9.70E-08	9.57E-08	4.59E-09	1.11E-07	2.45E-08	3.18E-08	5.05E-08	8.90E-09	6.31E-09	2.37E-07	1.25E-07	5.32E-08	6.25E-08	2.46E-08	1.25E-07	5.32E-08
1557	494861.06	3858652	3.92E-04	3.83E-04	3.78E-04	1.36E-07	4.10E-07	2.37E-07	2.32E-07	2.10E-07	9.59E-08	9.46E-08	4.54E-09	1.10E-07	2.42E-08	3.15E-08	4.99E-08	8.80E-09	6.24E-09	2.35E-07	1.24E-07	5.26E-08	6.18E-08	2.43E-08	1.24E-07	5.26E-08
1558	494911.06	3858652	3.88E-04	3.79E-04	3.74E-04	1.34E-07	4.05E-07	2.35E-07	2.29E-07	2.08E-07	9.47E-08	9.35E-08	4.48E-09	1.08E-07	2.39E-08	3.11E-08	4.93E-08	8.69E-09	6.17E-09	2.32E-07	1.22E-07	5.19E-08	6.11E-08	2.40E-08	1.22E-07	5.19E-08
1559	494961.06	3858652	3.83E-04	3.74E-04	3.69E-04	1.33E-07	4.01E-07	2.32E-07	2.26E-07	2.05E-07	9.36E-08	9.24E-08	4.43E-09	1.07E-07	2.36E-08	3.07E-08	4.88E-08	8.59E-09	6.09E-09	2.29E-07	1.21E-07	5.13E-08	6.04E-08	2.37E-08	1.21E-07	5.13E-08
1560	495011.06	3858652	3.80E-04	3.71E-04	3.66E-04	1.32E-07	3.97E-07	2.30E-07	2.24E-07	2.03E-07	9.28E-08	9.16E-08	4.39E-09	1.06E-07	2.34E-08	3.05E-08	4.83E-08	8.52E-09	6.04E-09	2.27E-07	1.20E-07	5.09E-08	5.99E-08	2.35E-08	1.20E-07	5.09E-08
1561	495061.06	3858652	3.76E-04	3.67E-04	3.62E-04	1.30E-07	3.93E-07	2.28E-07	2.22E-07	2.01E-07	9.19E-08	9.07E-08	4.35E-09	1.05E-07	2.32E-08	3.02E-08	4.79E-08	8.43E-09	5.98E-09	2.25E-07	1.19E-07	5.04E-08	5.93E-08	2.33E-08	1.19E-07	5.04E-08
1562	495111.06	3858652	3.72E-04	3.63E-04	3.58E-04	1.29E-07	3.89E-07	2.25E-07	2.19E-07	1.99E-07	9.08E-08	8.96E-08	4.30E-09	1.04E-07	2.29E-08	2.98E-08	4.73E-08	8.33E-09	5.91E-09	2.22E-07	1.17E-07	4.98E-08	5.86E-08	2.30E-08	1.17E-07	4.98E-08
1563	495161.06	3858652	3.69E-04	3.60E-04	3.55E-04	1.28E-07	3.85E-07	2.23E-07	2.18E-07	1.97E-07	9.01E-08	8.89E-08	4.26E-09	1.03E-07	2.27E-08	2.96E-08	4.69E-08	8.27E-09	5.86E-09	2.21E-07	1.16E-07	4.94E-08	5.81E-08	2.28E-08	1.16E-07	4.94E-08
1564	495211.06	3858652	3.66E-04	3.57E-04	3.52E-04	1.27E-07	3.82E-07	2.21E-07	2.16E-07	1.96E-07	8.93E-08	8.81E-08	4.23E-09	1.02E-07	2.25E-08	2.93E-08	4.65E-08	8.19E-09	5.81E-09	2.19E-07	1.15E-07	4.89E-08	5.76E-08	2.26E-08	1.15E-07	4.89E-08
1565	495261.06	3858652	3.64E-04	3.55E-04	3.50E-04	1.26E-07	3.80E-07	2.20E-07	2.15E-07	1.95E-07	8.89E-08	8.77E-08	4.21E-09	1.02E-07	2.24E-08	2.92E-08	4.63E-08	8.15E-09	5.78E-09	2.18E-07	1.15E-07	4.87E-08	5.73E-08	2.25E-08	1.15E-07	4.87E-08
1566	495311.06	3858652	3.62E-04	3.53E-04	3.49E-04	1.25E-07	3.79E-07	2.19E-07	2.14E-07	1.94E-07	8.85E-08	8.73E-08	4.19E-09	1.01E-07	2.23E-08	2.90E-08	4.61E-08	8.12E-09	5.76E-09	2.17E-07	1.14E-07	4.85E-08	5.71E-08	2.24E-08	1.14E-07	4.85E-08
1567	495361.06	3858652	3.61E-04	3.52E-04	3.47E-04	1.25E-07	3.77E-07	2.18E-07	2.13E-07	1.93E-07	8.80E-08	8.69E-08	4.17E-09	1.01E-07	2.22E-08	2.89E-08	4.58E-08	8.08E-09	5.73E-09	2.16E-07	1.14E-07	4.83E-08	5.68E-08	2.23E-08	1.14E-07	4.83E-08
1568	495411.06	3858652	3.60E-04	3.51E-04	3.46E-04	1.25E-07	3.76E-07	2.18E-07	2.12E-07	1.93E-07	8.78E-08	8.67E-08	4.16E-09	1.00E-07	2.22E-08	2.88E-08	4.57E-08	8.06E-09	5.72E-09	2.15E-07	1.14E-07	4.82E-08	5.67E-08	2.23E-08	1.14E-07	4.82E-08
1569	495461.06	3858652	3.59E-04	3.50E-04	3.46E-04	1.24E-07	3.75E-07	2.17E-07	2.12E-07	1.92E-07	8.76E-08	8.65E-08	4.15E-09	1.00E-07	2.21E-08	2.88E-08	4.56E-08	8.04E-09	5.70E-09	2.15E-07	1.13E-07	4.81E-08	5.65E-08	2.22E-08	1.13E-07	4.81E-08
1570	495511.06	3858652	3.56E-04	3.48E-04	3.43E-04	1.23E-07	3.72E-07	2.16E-07	2.10E-07	1.91E-07	8.70E-08	8.59E-08	4.12E-09	9.95E-08	2.20E-08	2.86E-08	4.53E-08	7.99E-09	5.66E-09	2.13E-07	1.12E-07	4.77E-08	5.61E-08	2.21E-08	1.12E-07	4.77E-08
1571	495561.06	3858652	3.55E-04	3.46E-04	3.42E-04	1.23E-07	3.71E-07	2.15E-07	2.09E-07	1.90E-07	8.66E-08	8.55E-08	4.10E-09	9.90E-08	2.19E-08	2.84E-08	4.51E-08	7.95E-09	5.64E-09	2.12E-07	1.12E-07	4.75E-08	5.59E-08	2.20E-08	1.12E-07	4.75E-08
1572	495611.06	3858652	3.53E-04	3.44E-04	3.40E-04	1.22E-07	3.69E-07	2.13E-07	2.08E-07	1.89E-07	8.61E-08	8.50E-08	4.08E-09	9.85E-08	2.17E-08	2.83E-08	4.48E-08	7.90E-09	5.61E-09	2.11E-07	1.11E-07	4.72E-08	5.56E-08	2.18E-08	1.11E-07	4.72E-08
1573	495661.06	3858652	3.51E-04	3.43E-04	3.38E-04	1.22E-07	3.67E-07	2.13E-07	2.07E-07	1.88E-07	8.58E-08	8.47E-08	4.06E-09	9.81E-08	2.17E-08	2.82E-08	4.47E-08	7.88E-09	5.59E-09	2.10E-07	1.11E-07	4.71E-08	5.54E-08	2.17E-08	1.11E-07	4.71E-08
1574	494311.06	3858702	4.16E-04	4.06E-04	4.00E-04	1.44E-07	4.35E-07	2.52E-07	2.45E-07	2.22E-07	1.02E-07	1.00E-07	4.81E-09	1.16E-07	2.56E-08	3.33E-08	5.29E-08	9.32E-09	6.61E-09	2.49E-07	1.31E-07	5.57E-08	6.55E-08	2.57E-08	1.31E-07	5.57E-08
1575	494361.06	3858702	4.25E-04	4.15E-04	4.09E-04	1.47E-07	4.44E-07	2.57E-07	2.51E-07	2.27E-07	1.04E-07	1.02E-07	4.91E-09	1.19E-07	2.62E-08	3.41E-08	5.40E-08	9.52E-09	6.75E-09	2.54E-07	1.34E-07	5.69E-08	6.69E-08	2.63E-08	1.34E-07	5.69E-08
1576	494411.06	3858702	4.30E-04	4.20E-04	4.14E-04	1.49E-07	4.50E-07	2.60E-07	2.54E-07	2.30E-07	1.05E-07	1.04E-07	4.97E-09	1.20E-07	2.65E-08	3.45E-08	5.47E-08	9.64E-09	6.84E-09	2.57E-07	1.36E-07	5.76E-08	6.78E-08	2.66E-08	1.36E-07	5.76E-08
1577	494461.06	3858702	4.29E-04	4.18E-04	4.13E-04	1.48E-07	4.48E-07	2.59E-07	2.53E-07	2.29E-07	1.05E-07	1.03E-07	4.95E-09	1.20E-07	2.64E-08	3.44E-08	5.45E-08	9.61E-09	6.81E-09	2.56E-07	1.35E-07	5.74E-08	6.75E-08	2.65E-08	1.35E-07	5.74E-08
1578	494511.06	3858702	4.28E-04	4.18E-04	4.12E-04	1.48E-07	4.48E-07	2.59E-07	2.53E-07	2.29E-07	1.05E-07	1.03E-07	4.95E-09	1.20E-07	2.64E-08	3.43E-08	5.44E-08	9.60E-09	6.81E-09	2.56E-07	1.35E-07	5.73E-08	6.74E-08	2.65E-08	1.35E-07	5.73E-08
1579	494561.06	3858702	4.25E-04	4.15E-04	4.09E-04	1.47E-07	4.44E-07	2.57E-07	2.51E-07	2.28E-07	1.04E-07	1.02E-07	4.92E-09	1.19E-07	2.62E-08	3.41E-08	5.41E-08	9.53E-09	6.76E-09	2.54E-07	1.34E-07	5.69E-08	6.70E-08	2.63E-08	1.34E-07	5.69E-08
1580	494611.06	3858702	4.20E-04	4.10E-04	4.05E-04	1.45E-07	4.39E-07	2.54E-07	2.48E-07	2.25E-07	1.03E-07	1.01E-07	4.86E-09	1.17E-07	2.59E-08	3.37E-08	5.34E-08	9.42E-09	6.68E-09	2.51E-07	1.33E-07	5.63E-08	6.62E-08	2.60E-08	1.33E-07	5.63E-08
1581	494661.06	3858702	4.19E-04	4.08E-04	4.03E-04	1.45E-07	4.38E-07	2.53E-07	2.47E-07	2.24E-07	1.02E-07	1.01E-07	4.84E-09	1.17E-07	2.58E-08	3.36E-08	5.32E-08	9.38E-09	6.65E-09	2.50E-07	1.32E-07	5.61E-08	6.59E-08	2.59E-08	1.32E-07	5.61E-08
1582	494711.06	3858702	4.09E-04	3.99E-04	3.93E-04	1.41E-07	4.27E-07	2.47E-07	2.41E-07	2.19E-07	9.98E-08	9.85E-08	4.72E-09	1.14E-07	2.52E-08	3.28E-08	5.20E-08	9.16E-09	6.50E-09	2.44E-07	1.29E-07	5.47E-08	6.44E-08	2.53E-08	1.29E-07	5.47E-08
1583	494761.06	3858702	4.09E-04	4.00E-04	3.94E-04	1.42E-07	4.28E-07	2.48E-07	2.42E-07	2.19E-07	1.00E-07	9.87E-08	4.73E-09	1.14E-07	2.52E-08	3.28E-08	5.21E-08	9.18E-09	6.51E-09	2.45E-07	1.29E-07	5.48E-08	6.45E-08	2.53E-08	1.29E-07	5.48E-08
1584	494811.06	3858702	4.04E-04	3.94E-04	3.89E-04	1.40E-07	4.22E-07	2.45E-07	2.39E-07	2.16E-07	9.87E-08	9.74E-08	4.67E-09	1.13E-07	2.49E-08	3.24E-08	5.14E-08	9.06E-09	6.42E-09	2.42E-07	1.28E-07	5.41E-08	6.37E-08	2.50E-08	1.28E-07	5.41E-08
1585	494861.06	3858702	4.00E-04	3.91E-04	3.85E-04	1.39E-07	4.18E-07	2.42E-07	2.36E-07	2.14E-07	9.78E-08	9.65E-08	4.63E-09	1.12E-07	2.47E-08	3.21E-08	5.09E-08	8.97E-09	6.36E-09	2.39E-07	1.26E-07	5.36E-08	6.31E-08	2.48E-08	1.26E-07	5.36E-08
1586	494911.06	3858702	3.97E-04	3.87E-04	3.82E-04	1.37E-07	4.15E-07	2.40E-07	2.34E-07	2.12E-07	9.69E-08	9.56E-08	4.58E-09	1.11E-07	2.44E-08	3.18E-08	5.04E-08	8.89E-09	6.30E-09	2.37E-07	1.25E-07	5.31E-08	6.25E-08	2.45E-08	1.25E-07	5.31E-08
1587	494961.06	3858702	3.90E-04	3.81E-04	3.76E-04	1.35E-07	4.08E-07	2.36E-07	2.31E-07	2.09E-07	9.53E-08	9.41E-08	4.51E-09	1.09E-07	2.41E-08	3.13E-08	4.96E-08	8.75E-09	6.21E-09	2.33E-07	1.23E-07	5.23E-08	6.15E-08	2.42E-08	1.23E-07	5.23E-08
1588	495011.06	3858702	3.86E-04	3.77E-04	3.72E-04	1.34E-07	4.03E-07	2.33E-07	2.28E-07	2.07E-07	9.42E-08	9.30E-08	4.46E-09	1.08E-07	2.38E-08	3.09E-08	4.91E-08	8.65E-09	6.13E-09	2.31E-07	1.22E-07	5.17E-08	6.08E-08	2.39E-08	1.22E-07	5.17E-08
1589	495061.06	3858702	3.84E-04	3.74E-04	3.70E-04	1.33E-07	4.01E-07	2.32E-07	2.27E-07	2.05E-07	9.37E-08	9.25E-08	4.44E-09	1.07E-07	2.36E-08	3.08E-08	4.88E-08	8.60E-09	6.10E-09	2.30E-07	1.21E-07	5.14E-08	6.05E-08	2.38E-08	1.21E-07	5.14E-08
1590	495111.06	3858702	3.79E-04	3.70E-04	3.65E-04	1.31E-07	3.96E-07	2.29E-07	2.24E-07	2.03E-07	9.25E-08	9.13E-08	4.38E-09	1.06E-07	2.33E-08	3.04E-08	4.82E-08	8.49E-09	6.02E-09	2.27E-07	1.20E-07	5.07E-08	5.97E-08	2.34E-08	1.20E-07	5.07E-08
1591	495161.06	3858702	3.76E-04	3.67E-04	3.62E-04	1.30E-07	3.93E-07	2.27E-07	2.22E-07	2.01E-07	9.18E-08	9.06E-08	4.34E-09	1.05E-07	2.32E-08	3.01E-08	4.78E-08	8.42E-09	5.97E-09	2.25E-07	1.19E-07	5.03E-08	5.92E-08	2.33E-08	1.19E-07	5.03E-08
1592	495211.06	3858702	3.73E-04	3.64E-04	3.59E-04	1.29E-07	3.89E-07	2.25E-07	2.20E-07	1.99E-07	9.10E-08	8.98E-08	4.31E-09	1.04E-07	2.30E-08	2.99E-08	4.74E-08	8.35E-09	5.92E-09	2.23E-07	1.18E-07	4.99E-08	5.87E-08	2.31E-08	1.18E-07	4.99E-08
1593	495261.06	3858702	3.71E-04	3.62E-04	3.58E-04	1.29E-07	3.88E-07	2.25E-07	2.19E-07	1.99E-07	9.07E-08	8.95E-08	4.29E-09	1.04E-07	2.29E-08	2.98E-08	4.72E-08	8.32E-09	5.90E-09	2.22E-07	1.17E-07	4.97E-08	5.85E-08	2.30E-08	1.17E-07	4.97E-08
1594	495311.06	3858702	3.70E-04	3.61E-04	3.56E-04	1.28E-07	3.86E-07	2.24E-07	2.18E-07	1.98E-07	9.03E-08	8.91E-08	4.27E-09	1.03E-07	2.28E-08	2.96E-08	4.70E-08	8.28E-09	5.88E-09	2.21E-07	1.17E-07	4.95E-08	5.82E-08	2.29E-08	1.17E-07	4.95E-08
1595	495361.06	3858702	3.68E-04	3.59E-04	3.54E-04	1.27E-07	3.85E-07	2.23E-07	2.17E-07	1.97E-07	8.99E-08	8.87E-08	4.25E-09	1.03E-07	2.27E-08	2.95E-08	4.68E-08	8.25E-09	5.85E-09	2.20E-07	1.16E-07	4.93E-08	5.80E-08	2.28E-08	1.16E-07	4.93E-08
1596	495411.06	3858702	3.67E-04	3.58E-04	3.54E-04	1.27E-07	3.84E-07	2.22E-07	2.17E-07	1.97E-07	8.97E-08	8.85E-08	4.24E-09	1.03E-07	2.26E-08	2.94E-08	4.67E-08	8.23E-09	5.84E-09	2.20E-07	1.16E-07	4.92E-08	5.78E-08	2.27E-08	1.16E-07	4.92E-08
1597	495461.06	3858702	3.66E-04	3.57E-04	3.52E-04	1.27E-07	3.82E-07	2.21E-07	2.16E-07	1.96E-07	8.93E-08	8.81E-08	4.23E-09	1.02E-07	2.25E-08	2.93E-08	4.65E-08	8.19E-09	5.81E-09	2.19E-07	1.15E-07	4.89E-08	5.76E-08	2.26E-08	1.15E-07	4.89E-08
1598	495511.06	3858702	3.63E-04	3.55E-04	3.50E-04	1.26E-07	3.80E-07	2.20E-07	2.15E-07	1.95E-07	8.88E-08	8.76E-08	4.20E-09	1.01E-07	2.24E-08	2.91E-08	4.62E-08	8.15E-09	5.78E-09	2.17E-07	1.15E-07	4.87E-08	5.73E-08	2.25E-08	1.15E-07	4.87E-08
1599	495561.06	3858702	3.61E-04	3.53E-04	3.48E-04	1.25E-07	3.78E-07	2.19E-07	2.13E-07	1.93E-07	8.83E-08	8.71E-08	4.18E-09	1.01E-07	2.23E-08	2.90E-08	4.60E-08	8.10E-09	5.74E-09	2.16E-07	1.14E-07	4.84E-08	5.69E-08	2.24E-08	1.14E-07	4.84E-08
1600	495611.06	3858702	3.59E-04	3.51E-04	3.46E-04	1.24E-07	3.76E-07	2.17E-07	2.12E-07	1.92E-07	8.77E-08	8.66E-08	4.15E-09	1.00E-07	2.21E-08	2.88E-08	4.57E-08	8.05E-09	5.71E-09	2.15E-07	1.13E-07	4.81E-08	5.66E-08	2.22E-08	1.13E-07	4.81E-08
1601	495661.06	3858702	3.58E-04	3.49E-04	3.44E-04	1.24E-07	3.74E-07	2.16E-07	2.11E-07	1.91E-07	8.73E-08	8.62E-08	4.13E-09	9.99E-08	2.20E-08	2.87E-08	4.55E-08	8.02E-09	5.68E-09	2.14E-07	1.13E-07	4.79E-08	5.63E-08	2.21E-08	1.13E-07	4.79E-08
1602	494311.06	3858752	4.25E-04	4.15E-04	4.09E-04	1.47E-07	4.44E-07	2.57E-07	2.51E-07	2.28E-07	1.04E-07	1.02E-07	4.92E-09	1.19E-07	2.62E-08	3.41E-08	5.41E-08	9.53E-09	6.76E-09	2.54E-07	1.34E-07	5.69E-08	6.70E-08	2.63E-08	1.34E-07	5.69E-08
1603	494361.06	3858752	4.37E-04	4.27E-04	4.21E-04	1.51E-07	4.57E-07	2.65E-07	2.58E-07	2.34E-07	1.07E-07	1.05E-07	5.05E-09	1.22E-07	2.69E-08	3.51E-08	5.56E-08	9.80E-09	6.95E-09	2.62E-07	1.38E-07	5.86E-08	6.89E-08	2.71E-08	1.38E-07	5.86E-08
1604	494411.06	3858752	4.41E-04	4.31E-04	4.25E-04	1.53E-07	4.61E-07	2.67E-07	2.61E-07	2.36E-07	1.08E-07	1.06E-07	5.10E-09	1.23E-07	2.72E-08	3.54E-08	5.61E-08	9.89E-09	7.02E-09	2.64E-07	1.39E-07	5.91E-08	6.95E-08	2.73E-08	1.39E-07	5.91E-08
1605	494461.06	3858752	4.39E-04	4.29E-04	4.23E-04	1.52E-07	4.59E-07	2.66E-07	2.59E-07	2.35E-07	1.07E-07	1.06E-07	5.08E-09	1.23E-07	2.71E-08	3.52E-08	5.59E-08	9.85E-09	6.98E-09	2.63E-07	1.39E-07	5.88E-08	6.92E-08	2.72E-08	1.39E-07	5.88E-08
1606	494511.06	3858752	4.40E-04	4.29E-04	4.23E-04	1.52E-07	4.60E-07	2.66E-07	2.60E-07	2.35E-07	1.07E-07	1.06E-07	5.08E-09	1.23E-07	2.71E-08	3.53E-08	5.59E-08	9.86E-09	6.99E-09	2.63E-07	1.39E-07	5.89E-08	6.93E-08	2.72E-08	1.39E-07	5.89E-08
1607	494561.06	3858752	4.34E-04	4.24E-04	4.18E-04	1.50E-07	4.54E-07	2.63E-07	2.56E-07	2.32E-07	1.06E-07	1.05E-07	5.02E-09	1.21E-07	2.68E-08	3.48E-08	5.52E-08	9.74E-09	6.90E-09	2.60E-07	1.37E-07	5.82E-08	6.84E-08	2.69E-08	1.37E-07	5.82E-08
1608	494611.06	3858752	4.30E-04	4.20E-04	4.14E-04	1.49E-07	4.50E-07	2.60E-07	2.54E-07	2.30E-07	1.05E-07	1.04E-07	4.97E-09	1.20E-07	2.65E-08	3.45E-08	5.47E-08	9.64E-09	6.84E-09	2.57E-07	1.36E-07	5.76E-08	6.78E-08	2.66E-08	1.36E-07	5.76E-08
1609	494661.06	3858752	4.26E-04	4.16E-04	4.10E-04	1.47E-07	4.45E-07	2.58E-07	2.52E-07	2.28E-07	1.04E-07	1.03E-07	4.93E-09	1.19E-07	2.63E-08	3.42E-08	5.42E-08	9.55E-09	6.77E-09	2.55E-07	1.34E-07	5.71E-08	6.71E-08	2.64E-08	1.34E-07	5.71E-08
1610	494711.06	3858752	4.20E-04	4.10E-04	4.05E-04	1.45E-07	4.39E-07	2.54E-07	2.48E-07	2.25E-07	1.03E-07	1.01E-07	4.86E-09	1.17E-07	2.59E-08	3.37E-08	5.34E-08	9.42E-09	6.68E-09	2.51E-07	1.33E-07	5.63E-08	6.62E-08	2.60E-08	1.33E-07	5.63E-08
1611	494761.06	3858752	4.18E-04	4.08E-04	4.03E-04	1.45E-07	4.37E-07	2.53E-07	2.47E-07	2.24E-07	1.02E-07	1.01E-07	4.83E-09	1.17E-07	2.58E-08	3.35E-08	5.32E-08	9.37E-09	6.65E-09	2.50E-07	1.32E-07	5.60E-08	6.59E-08	2.59E-08	1.32E-07	5.60E-08
1612	494811.06	3858752	4.13E-04	4.03E-04	3.97E-04	1.43E-07	4.31E-07	2.50E-07	2.44E-07	2.21E-07	1.01E-07	9.95E-08	4.77E-09	1.15E-07	2.54E-08	3.31E-08	5.25E-08	9.25E-09	6.56E-09	2.47E-07	1.30E-07	5.53E-08	6.50E-08	2.55E-08	1.30E-07	5.53E-08
1613	494861.06	3858752	4.08E-04	3.98E-04	3.93E-04	1.41E-07	4.26E-07	2.47E-07	2.41E-07	2.18E-07	9.96E-08	9.83E-08	4.71E-09	1.14E-07	2.51E-08	3.27E-08	5.19E-08	9.14E-09	6.48E-09	2.44E-07	1.29E-07	5.46E-08	6.42E-08	2.52E-08	1.29E-07	5.46E-08
1614	494911.06	3858752	4.02E-04	3.93E-04	3.87E-04	1.39E-07	4.21E-07	2.43E-07	2.38E-07	2.15E-07	9.83E-08	9.70E-08	4.65E-09	1.12E-07	2.48E-08	3.23E-08	5.12E-08	9.02E-09	6.40E-09	2.41E-07	1.27E-07	5.39E-08	6.34E-08	2.49E-08	1.27E-07	5.39E-08
1615	494961.06	3858752	3.99E-04	3.89E-04	3.84E-04	1.38E-07	4.17E-07	2.41E-07	2.35E-07	2.13E-07	9.74E-08	9.61E-08	4.61E-09	1.11E-07	2.46E-08	3.20E-08	5.07E-08	8.94E-09	6.34E-09	2.38E-07	1.26E-07	5.34E-08	6.28E-08	2.47E-08	1.26E-07	5.34E-08
1616	495011.06	3858752	3.95E-04	3.86E-04	3.81E-04	1.37E-07	4.13E-07	2.39E-07	2.33E-07	2.12E-07	9.66E-08	9.53E-08	4.57E-09	1.10E-07	2.44E-08	3.17E-08	5.03E-08	8.86E-09	6.28E-09	2.36E-07	1.25E-07	5.29E-08	6.23E-08	2.45E-08	1.25E-07	5.29E-08
1617	495061.06	3858752	3.91E-04	3.82E-04	3.77E-04	1.35E-07	4.09E-07	2.37E-07	2.31E-07	2.09E-07	9.55E-08	9.43E-08	4.52E-09	1.09E-07	2.41E-08	3.14E-08	4.98E-08	8.77E-09	6.22E-09	2.34E-07	1.23E-07	5.24E-08	6.16E-08	2.42E-08	1.23E-07	5.24E-08
1618	495111.06	3858752	3.87E-04	3.78E-04	3.73E-04	1.34E-07	4.05E-07	2.34E-07	2.29E-07	2.07E-07	9.45E-08	9.33E-08	4.47E-09	1.08E-07	2.38E-08	3.10E-08	4.92E-08	8.68E-09	6.15E-09	2.31E-07	1.22E-07	5.18E-08	6.10E-08	2.40E-08	1.22E-07	5.18E-08
1619	495161.06	3858752	3.84E-04	3.74E-04	3.70E-04	1.33E-07	4.01E-07	2.32E-07	2.27E-07	2.05E-07	9.37E-08	9.25E-08	4.44E-09	1.07E-07	2.36E-08	3.08E-08	4.88E-08	8.60E-09	6.10E-09	2.30E-07	1.21E-07	5.14E-08	6.05E-08	2.38E-08	1.21E-07	5.14E-08
1620	495211.06	3858752	3.80E-04	3.71E-04	3.66E-04	1.32E-07	3.98E-07	2.30E-07	2.25E-07	2.04E-07	9.29E-08	9.17E-08	4.40E-09	1.06E-07	2.34E-08	3.05E-08	4.84E-08	8.53E-09	6.05E-09	2.28E-07	1.20E-07	5.09E-08	5.99E-08	2.35E-08	1.20E-07	5.09E-08
1621	495261.06	3858752	3.79E-04	3.70E-04	3.65E-04	1.31E-07	3.96E-07	2.29E-07	2.24E-07	2.03E-07	9.25E-08	9.13E-08	4.38E-09	1.06E-07	2.33E-08	3.04E-08	4.82E-08	8.49E-09	6.02E-09	2.27E-07	1.20E-07	5.07E-08	5.97E-08	2.34E-08	1.20E-07	5.07E-08

1622	495311.06	3858752	3.77E-04	3.68E-04	3.63E-04	1.31E-07	3.94E-07	2.28E-07	2.23E-07	2.02E-07	9.21E-08	9.09E-08	4.36E-09	1.05E-07	2.32E-08	3.02E-08	4.80E-08	8.45E-09	5.99E-09	2.26E-07	1.19E-07	5.05E-08	5.94E-08	2.33E-08	1.19E-07	5.05E-08
1623	495361.06	3858752	3.75E-04	3.66E-04	3.62E-04	1.30E-07	3.92E-07	2.27E-07	2.22E-07	2.01E-07	9.17E-08	9.05E-08	4.34E-09	1.05E-07	2.31E-08	3.01E-08	4.77E-08	8.42E-09	5.97E-09	2.25E-07	1.19E-07	5.03E-08	5.91E-08	2.32E-08	1.19E-07	5.03E-08
1624	495411.06	3858752	3.75E-04	3.66E-04	3.61E-04	1.30E-07	3.92E-07	2.27E-07	2.21E-07	2.01E-07	9.15E-08	9.03E-08	4.33E-09	1.05E-07	2.31E-08	3.00E-08	4.76E-08	8.40E-09	5.95E-09	2.24E-07	1.18E-07	5.02E-08	5.90E-08	2.32E-08	1.18E-07	5.02E-08
1625	495461.06	3858752	3.73E-04	3.64E-04	3.59E-04	1.29E-07	3.90E-07	2.26E-07	2.20E-07	2.00E-07	9.11E-08	8.99E-08	4.31E-09	1.04E-07	2.30E-08	2.99E-08	4.74E-08	8.36E-09	5.93E-09	2.23E-07	1.18E-07	4.99E-08	5.88E-08	2.31E-08	1.18E-07	4.99E-08
1626	495511.06	3858752	3.71E-04	3.62E-04	3.57E-04	1.28E-07	3.88E-07	2.24E-07	2.19E-07	1.99E-07	9.06E-08	8.94E-08	4.29E-09	1.04E-07	2.29E-08	2.97E-08	4.72E-08	8.31E-09	5.90E-09	2.22E-07	1.17E-07	4.97E-08	5.84E-08	2.30E-08	1.17E-07	4.97E-08
1627	495561.06	3858752	3.68E-04	3.60E-04	3.55E-04	1.28E-07	3.85E-07	2.23E-07	2.18E-07	1.97E-07	9.00E-08	8.88E-08	4.26E-09	1.03E-07	2.27E-08	2.95E-08	4.69E-08	8.26E-09	5.86E-09	2.20E-07	1.16E-07	4.93E-08	5.80E-08	2.28E-08	1.16E-07	4.93E-08
1628	495611.06	3858752	3.66E-04	3.57E-04	3.52E-04	1.27E-07	3.82E-07	2.21E-07	2.16E-07	1.96E-07	8.94E-08	8.82E-08	4.23E-09	1.02E-07	2.25E-08	2.93E-08	4.65E-08	8.20E-09	5.82E-09	2.19E-07	1.15E-07	4.90E-08	5.76E-08	2.26E-08	1.15E-07	4.90E-08
1629	495661.06	3858752	3.64E-04	3.55E-04	3.51E-04	1.26E-07	3.81E-07	2.20E-07	2.15E-07	1.95E-07	8.90E-08	8.78E-08	4.21E-09	1.02E-07	2.24E-08	2.92E-08	4.63E-08	8.16E-09	5.79E-09	2.18E-07	1.15E-07	4.88E-08	5.74E-08	2.25E-08	1.15E-07	4.88E-08
1630	494311.06	3858802	4.39E-04	4.28E-04	4.22E-04	1.52E-07	4.58E-07	2.65E-07	2.59E-07	2.35E-07	1.07E-07	1.06E-07	5.07E-09	1.22E-07	2.70E-08	3.52E-08	5.58E-08	9.83E-09	6.97E-09	2.62E-07	1.38E-07	5.87E-08	6.91E-08	2.71E-08	1.38E-07	5.87E-08
1631	494361.06	3858802	4.50E-04	4.39E-04	4.33E-04	1.56E-07	4.70E-07	2.72E-07	2.66E-07	2.41E-07	1.10E-07	1.08E-07	5.20E-09	1.26E-07	2.77E-08	3.61E-08	5.72E-08	1.01E-08	7.15E-09	2.69E-07	1.42E-07	6.02E-08	7.08E-08	2.78E-08	1.42E-07	6.02E-08
1632	494411.06	3858802	4.51E-04	4.40E-04	4.34E-04	1.56E-07	4.71E-07	2.73E-07	2.66E-07	2.41E-07	1.10E-07	1.09E-07	5.21E-09	1.26E-07	2.78E-08	3.61E-08	5.73E-08	1.01E-08	7.16E-09	2.69E-07	1.42E-07	6.03E-08	7.10E-08	2.79E-08	1.42E-07	6.03E-08
1633	494461.06	3858802	4.51E-04	4.40E-04	4.34E-04	1.56E-07	4.71E-07	2.73E-07	2.66E-07	2.41E-07	1.10E-07	1.09E-07	5.21E-09	1.26E-07	2.78E-08	3.61E-08	5.73E-08	1.01E-08	7.16E-09	2.69E-07	1.42E-07	6.03E-08	7.10E-08	2.79E-08	1.42E-07	6.03E-08
1634	494511.06	3858802	4.51E-04	4.40E-04	4.34E-04	1.56E-07	4.71E-07	2.73E-07	2.66E-07	2.41E-07	1.10E-07	1.09E-07	5.21E-09	1.26E-07	2.78E-08	3.62E-08	5.74E-08	1.01E-08	7.17E-09	2.70E-07	1.42E-07	6.04E-08	7.10E-08	2.79E-08	1.42E-07	6.04E-08
1635	494561.06	3858802	4.48E-04	4.37E-04	4.31E-04	1.55E-07	4.68E-07	2.71E-07	2.65E-07	2.40E-07	1.09E-07	1.08E-07	5.18E-09	1.25E-07	2.76E-08	3.59E-08	5.70E-08	1.00E-08	7.12E-09	2.68E-07	1.41E-07	6.00E-08	7.06E-08	2.77E-08	1.41E-07	6.00E-08
1636	494611.06	3858802	4.44E-04	4.34E-04	4.28E-04	1.54E-07	4.64E-07	2.69E-07	2.62E-07	2.38E-07	1.09E-07	1.07E-07	5.14E-09	1.24E-07	2.74E-08	3.56E-08	5.65E-08	9.96E-09	7.06E-09	2.66E-07	1.40E-07	5.95E-08	7.00E-08	2.75E-08	1.40E-07	5.95E-08
1637	494661.06	3858802	4.39E-04	4.28E-04	4.23E-04	1.52E-07	4.59E-07	2.66E-07	2.59E-07	2.35E-07	1.07E-07	1.06E-07	5.07E-09	1.23E-07	2.70E-08	3.52E-08	5.58E-08	9.84E-09	6.98E-09	2.63E-07	1.39E-07	5.88E-08	6.91E-08	2.72E-08	1.39E-07	5.88E-08
1638	494711.06	3858802	4.34E-04	4.23E-04	4.17E-04	1.50E-07	4.53E-07	2.62E-07	2.56E-07	2.32E-07	1.06E-07	1.04E-07	5.01E-09	1.21E-07	2.67E-08	3.48E-08	5.51E-08	9.72E-09	6.89E-09	2.59E-07	1.37E-07	5.81E-08	6.83E-08	2.68E-08	1.37E-07	5.81E-08
1639	494761.06	3858802	4.27E-04	4.17E-04	4.11E-04	1.48E-07	4.46E-07	2.58E-07	2.52E-07	2.28E-07	1.04E-07	1.03E-07	4.93E-09	1.19E-07	2.63E-08	3.42E-08	5.43E-08	9.57E-09	6.79E-09	2.55E-07	1.35E-07	5.72E-08	6.73E-08	2.64E-08	1.35E-07	5.72E-08
1640	494811.06	3858802	4.20E-04	4.10E-04	4.05E-04	1.45E-07	4.39E-07	2.54E-07	2.48E-07	2.25E-07	1.03E-07	1.01E-07	4.86E-09	1.17E-07	2.59E-08	3.37E-08	5.34E-08	9.42E-09	6.68E-09	2.51E-07	1.33E-07	5.63E-08	6.62E-08	2.60E-08	1.33E-07	5.63E-08
1641	494861.06	3858802	4.16E-04	4.06E-04	4.01E-04	1.44E-07	4.35E-07	2.52E-07	2.46E-07	2.23E-07	1.02E-07	1.00E-07	4.81E-09	1.16E-07	2.56E-08	3.34E-08	5.29E-08	9.33E-09	6.61E-09	2.49E-07	1.31E-07	5.57E-08	6.56E-08	2.58E-08	1.31E-07	5.57E-08
1642	494911.06	3858802	4.11E-04	4.01E-04	3.96E-04	1.42E-07	4.30E-07	2.49E-07	2.43E-07	2.20E-07	1.00E-07	9.91E-08	4.75E-09	1.15E-07	2.53E-08	3.30E-08	5.23E-08	9.21E-09	6.54E-09	2.46E-07	1.30E-07	5.51E-08	6.48E-08	2.54E-08	1.30E-07	5.51E-08
1643	494961.06	3858802	4.07E-04	3.97E-04	3.92E-04	1.41E-07	4.25E-07	2.46E-07	2.40E-07	2.18E-07	9.94E-08	9.81E-08	4.70E-09	1.14E-07	2.51E-08	3.26E-08	5.18E-08	9.12E-09	6.47E-09	2.43E-07	1.28E-07	5.45E-08	6.41E-08	2.52E-08	1.28E-07	5.45E-08
1644	495011.06	3858802	4.03E-04	3.93E-04	3.88E-04	1.39E-07	4.21E-07	2.44E-07	2.38E-07	2.16E-07	9.84E-08	9.71E-08	4.66E-09	1.12E-07	2.48E-08	3.23E-08	5.12E-08	9.03E-09	6.40E-09	2.41E-07	1.27E-07	5.39E-08	6.35E-08	2.49E-08	1.27E-07	5.39E-08
1645	495061.06	3858802	4.00E-04	3.90E-04	3.85E-04	1.38E-07	4.18E-07	2.42E-07	2.36E-07	2.14E-07	9.76E-08	9.63E-08	4.62E-09	1.12E-07	2.46E-08	3.20E-08	5.08E-08	8.95E-09	6.35E-09	2.39E-07	1.26E-07	5.35E-08	6.29E-08	2.47E-08	1.26E-07	5.35E-08
1646	495111.06	3858802	3.95E-04	3.85E-04	3.80E-04	1.37E-07	4.12E-07	2.39E-07	2.33E-07	2.11E-07	9.64E-08	9.51E-08	4.56E-09	1.10E-07	2.43E-08	3.16E-08	5.02E-08	8.84E-09	6.27E-09	2.36E-07	1.25E-07	5.28E-08	6.22E-08	2.44E-08	1.25E-07	5.28E-08
1647	495161.06	3858802	3.90E-04	3.81E-04	3.76E-04	1.35E-07	4.08E-07	2.36E-07	2.31E-07	2.09E-07	9.53E-08	9.41E-08	4.51E-09	1.09E-07	2.41E-08	3.13E-08	4.96E-08	8.75E-09	6.21E-09	2.33E-07	1.23E-07	5.23E-08	6.15E-08	2.42E-08	1.23E-07	5.23E-08
1648	495211.06	3858802	3.88E-04	3.79E-04	3.74E-04	1.34E-07	4.05E-07	2.35E-07	2.29E-07	2.08E-07	9.47E-08	9.35E-08	4.48E-09	1.08E-07	2.39E-08	3.11E-08	4.93E-08	8.69E-09	6.17E-09	2.32E-07	1.22E-07	5.19E-08	6.11E-08	2.40E-08	1.22E-07	5.19E-08
1649	495261.06	3858802	3.86E-04	3.77E-04	3.72E-04	1.34E-07	4.04E-07	2.34E-07	2.28E-07	2.07E-07	9.43E-08	9.31E-08	4.46E-09	1.08E-07	2.38E-08	3.10E-08	4.91E-08	8.66E-09	6.14E-09	2.31E-07	1.22E-07	5.17E-08	6.08E-08	2.39E-08	1.22E-07	5.17E-08
1650	495311.06	3858802	3.85E-04	3.75E-04	3.70E-04	1.33E-07	4.02E-07	2.33E-07	2.27E-07	2.06E-07	9.39E-08	9.27E-08	4.45E-09	1.07E-07	2.37E-08	3.08E-08	4.89E-08	8.62E-09	6.11E-09	2.30E-07	1.21E-07	5.15E-08	6.06E-08	2.38E-08	1.21E-07	5.15E-08
1651	495361.06	3858802	3.83E-04	3.74E-04	3.69E-04	1.33E-07	4.00E-07	2.32E-07	2.26E-07	2.05E-07	9.35E-08	9.23E-08	4.43E-09	1.07E-07	2.36E-08	3.07E-08	4.87E-08	8.58E-09	6.09E-09	2.29E-07	1.21E-07	5.13E-08	6.03E-08	2.37E-08	1.21E-07	5.13E-08
1652	495411.06	3858802	3.83E-04	3.73E-04	3.68E-04	1.32E-07	4.00E-07	2.31E-07	2.26E-07	2.05E-07	9.34E-08	9.22E-08	4.42E-09	1.07E-07	2.36E-08	3.07E-08	4.86E-08	8.57E-09	6.08E-09	2.29E-07	1.21E-07	5.12E-08	6.03E-08	2.37E-08	1.21E-07	5.12E-08
1653	495461.06	3858802	3.80E-04	3.71E-04	3.66E-04	1.32E-07	3.98E-07	2.30E-07	2.25E-07	2.04E-07	9.29E-08	9.17E-08	4.40E-09	1.06E-07	2.34E-08	3.05E-08	4.84E-08	8.53E-09	6.05E-09	2.28E-07	1.20E-07	5.09E-08	5.99E-08	2.35E-08	1.20E-07	5.09E-08
1654	495511.06	3858802	3.78E-04	3.69E-04	3.64E-04	1.31E-07	3.95E-07	2.29E-07	2.23E-07	2.03E-07	9.24E-08	9.12E-08	4.37E-09	1.06E-07	2.33E-08	3.03E-08	4.81E-08	8.48E-09	6.01E-09	2.26E-07	1.19E-07	5.07E-08	5.96E-08	2.34E-08	1.19E-07	5.07E-08
1655	495561.06	3858802	3.76E-04	3.67E-04	3.62E-04	1.30E-07	3.93E-07	2.28E-07	2.22E-07	2.01E-07	9.19E-08	9.07E-08	4.35E-09	1.05E-07	2.32E-08	3.02E-08	4.79E-08	8.43E-09	5.98E-09	2.25E-07	1.19E-07	5.04E-08	5.93E-08	2.33E-08	1.19E-07	5.04E-08
1656	495611.06	3858802	3.73E-04	3.64E-04	3.60E-04	1.29E-07	3.90E-07	2.26E-07	2.20E-07	2.00E-07	9.12E-08	9.00E-08	4.32E-09	1.04E-07	2.30E-08	2.99E-08	4.75E-08	8.37E-09	5.94E-09	2.23E-07	1.18E-07	5.00E-08	5.88E-08	2.31E-08	1.18E-07	5.00E-08
1657	495661.06	3858802	3.72E-04	3.63E-04	3.58E-04	1.29E-07	3.89E-07	2.25E-07	2.19E-07	1.99E-07	9.08E-08	8.96E-08	4.30E-09	1.04E-07	2.29E-08	2.98E-08	4.73E-08	8.33E-09	5.91E-09	2.22E-07	1.17E-07	4.98E-08	5.86E-08	2.30E-08	1.17E-07	4.98E-08
1658	494311.06	3858852	4.61E-04	4.49E-04	4.43E-04	1.59E-07	4.81E-07	2.79E-07	2.72E-07	2.46E-07	1.12E-07	1.11E-07	5.32E-09	1.29E-07	2.84E-08	3.69E-08	5.86E-08	1.03E-08	7.32E-09	2.75E-07	1.45E-07	6.17E-08	7.25E-08	2.85E-08	1.45E-07	6.17E-08
1659	494361.06	3858852	4.66E-04	4.55E-04	4.49E-04	1.61E-07	4.87E-07	2.82E-07	2.75E-07	2.50E-07	1.14E-07	1.12E-07	5.39E-09	1.30E-07	2.87E-08	3.74E-08	5.93E-08	1.05E-08	7.41E-09	2.79E-07	1.47E-07	6.24E-08	7.35E-08	2.89E-08	1.47E-07	6.24E-08
1660	494411.06	3858852	4.64E-04	4.53E-04	4.47E-04	1.61E-07	4.85E-07	2.81E-07	2.74E-07	2.48E-07	1.13E-07	1.12E-07	5.36E-09	1.30E-07	2.86E-08	3.72E-08	5.90E-08	1.04E-08	7.37E-09	2.77E-07	1.46E-07	6.21E-08	7.31E-08	2.87E-08	1.46E-07	6.21E-08
1661	494461.06	3858852	4.62E-04	4.51E-04	4.45E-04	1.60E-07	4.83E-07	2.80E-07	2.73E-07	2.47E-07	1.13E-07	1.11E-07	5.34E-09	1.29E-07	2.85E-08	3.70E-08	5.88E-08	1.04E-08	7.35E-09	2.76E-07	1.46E-07	6.19E-08	7.28E-08	2.86E-08	1.46E-07	6.19E-08
1662	494511.06	3858852	4.62E-04	4.51E-04	4.45E-04	1.60E-07	4.83E-07	2.80E-07	2.73E-07	2.47E-07	1.13E-07	1.11E-07	5.34E-09	1.29E-07	2.85E-08	3.70E-08	5.88E-08	1.04E-08	7.35E-09	2.76E-07	1.46E-07	6.19E-08	7.28E-08	2.86E-08	1.46E-07	6.19E-08
1663	494561.06	3858852	4.59E-04	4.48E-04	4.42E-04	1.59E-07	4.80E-07	2.78E-07	2.71E-07	2.46E-07	1.12E-07	1.11E-07	5.30E-09	1.28E-07	2.83E-08	3.68E-08	5.84E-08	1.03E-08	7.29E-09	2.74E-07	1.45E-07	6.14E-08	7.23E-08	2.84E-08	1.45E-07	6.14E-08
1664	494611.06	3858852	4.54E-04	4.43E-04	4.37E-04	1.57E-07	4.75E-07	2.75E-07	2.68E-07	2.43E-07	1.11E-07	1.09E-07	5.25E-09	1.27E-07	2.80E-08	3.64E-08	5.78E-08	1.02E-08	7.22E-09	2.72E-07	1.43E-07	6.08E-08	7.16E-08	2.81E-08	1.43E-07	6.08E-08
1665	494661.06	3858852	4.49E-04	4.38E-04	4.32E-04	1.55E-07	4.69E-07	2.72E-07	2.65E-07	2.40E-07	1.10E-07	1.08E-07	5.19E-09	1.25E-07	2.77E-08	3.60E-08	5.71E-08	1.01E-08	7.14E-09	2.68E-07	1.42E-07	6.01E-08	7.07E-08	2.78E-08	1.42E-07	6.01E-08
1666	494711.06	3858852	4.42E-04	4.31E-04	4.25E-04	1.53E-07	4.62E-07	2.67E-07	2.61E-07	2.36E-07	1.08E-07	1.06E-07	5.11E-09	1.23E-07	2.72E-08	3.54E-08	5.62E-08	9.90E-09	7.02E-09	2.64E-07	1.39E-07	5.92E-08	6.96E-08	2.73E-08	1.39E-07	5.92E-08
1667	494761.06	3858852	4.35E-04	4.25E-04	4.19E-04	1.51E-07	4.55E-07	2.63E-07	2.57E-07	2.33E-07	1.06E-07	1.05E-07	5.03E-09	1.22E-07	2.68E-08	3.49E-08	5.53E-08	9.75E-09	6.92E-09	2.60E-07	1.37E-07	5.83E-08	6.86E-08	2.69E-08	1.37E-07	5.83E-08
1668	494811.06	3858852	4.30E-04	4.20E-04	4.14E-04	1.49E-07	4.50E-07	2.60E-07	2.54E-07	2.30E-07	1.05E-07	1.04E-07	4.97E-09	1.20E-07	2.65E-08	3.45E-08	5.47E-08	9.64E-09	6.84E-09	2.57E-07	1.36E-07	5.76E-08	6.78E-08	2.66E-08	1.36E-07	5.76E-08
1669	494861.06	3858852	4.26E-04	4.16E-04	4.10E-04	1.47E-07	4.45E-07	2.58E-07	2.52E-07	2.28E-07	1.04E-07	1.03E-07	4.93E-09	1.19E-07	2.63E-08	3.42E-08	5.42E-08	9.55E-09	6.77E-09	2.55E-07	1.34E-07	5.71E-08	6.71E-08	2.64E-08	1.34E-07	5.71E-08
1670	494911.06	3858852	4.20E-04	4.10E-04	4.05E-04	1.45E-07	4.39E-07	2.54E-07	2.48E-07	2.25E-07	1.03E-07	1.01E-07	4.86E-09	1.17E-07	2.59E-08	3.37E-08	5.34E-08	9.42E-09	6.68E-09	2.51E-07	1.33E-07	5.63E-08	6.62E-08	2.60E-08	1.33E-07	5.63E-08
1671	494961.06	3858852	4.16E-04	4.06E-04	4.01E-04	1.44E-07	4.35E-07	2.52E-07	2.46E-07	2.23E-07	1.02E-07	1.00E-07	4.81E-09	1.16E-07	2.56E-08	3.34E-08	5.29E-08	9.33E-09	6.61E-09	2.49E-07	1.31E-07	5.57E-08	6.56E-08	2.58E-08	1.31E-07	5.57E-08
1672	495011.06	3858852	4.12E-04	4.02E-04	3.97E-04	1.43E-07	4.31E-07	2.49E-07	2.43E-07	2.20E-07	1.01E-07	9.93E-08	4.76E-09	1.15E-07	2.54E-08	3.30E-08	5.24E-08	9.23E-09	6.55E-09	2.46E-07	1.30E-07	5.52E-08	6.49E-08	2.55E-08	1.30E-07	5.52E-08
1673	495061.06	3858852	4.08E-04	3.98E-04	3.93E-04	1.41E-07	4.26E-07	2.47E-07	2.41E-07	2.18E-07	9.96E-08	9.83E-08	4.71E-09	1.14E-07	2.51E-08	3.27E-08	5.19E-08	9.14E-09	6.48E-09	2.44E-07	1.29E-07	5.46E-08	6.42E-08	2.52E-08	1.29E-07	5.46E-08
1674	495111.06	3858852	4.01E-04	3.91E-04	3.86E-04	1.39E-07	4.19E-07	2.43E-07	2.37E-07	2.15E-07	9.80E-08	9.67E-08	4.64E-09	1.12E-07	2.47E-08	3.22E-08	5.10E-08	8.99E-09	6.38E-09	2.40E-07	1.27E-07	5.37E-08	6.32E-08	2.48E-08	1.27E-07	5.37E-08
1675	495161.06	3858852	3.97E-04	3.87E-04	3.82E-04	1.37E-07	4.15E-07	2.40E-07	2.34E-07	2.13E-07	9.70E-08	9.57E-08	4.59E-09	1.11E-07	2.45E-08	3.18E-08	5.05E-08	8.90E-09	6.31E-09	2.37E-07	1.25E-07	5.32E-08	6.25E-08	2.46E-08	1.25E-07	5.32E-08
1676	495211.06	3858852	3.96E-04	3.87E-04	3.81E-04	1.37E-07	4.14E-07	2.40E-07	2.34E-07	2.12E-07	9.68E-08	9.55E-08	4.58E-09	1.11E-07	2.44E-08	3.18E-08	5.04E-08	8.88E-09	6.30E-09	2.37E-07	1.25E-07	5.31E-08	6.24E-08	2.45E-08	1.25E-07	5.31E-08
1677	495261.06	3858852	3.95E-04	3.85E-04	3.80E-04	1.37E-07	4.12E-07	2.39E-07	2.33E-07	2.11E-07	9.64E-08	9.51E-08	4.56E-09	1.10E-07	2.43E-08	3.16E-08	5.02E-08	8.84E-09	6.27E-09	2.36E-07	1.25E-07	5.28E-08	6.22E-08	2.44E-08	1.25E-07	5.28E-08
1678	495311.06	3858852	3.93E-04	3.83E-04	3.78E-04	1.36E-07	4.11E-07	2.38E-07	2.32E-07	2.10E-07	9.60E-08	9.47E-08	4.54E-09	1.10E-07	2.42E-08	3.15E-08	5.00E-08	8.81E-09	6.25E-09	2.35E-07	1.24E-07	5.26E-08	6.19E-08	2.43E-08	1.24E-07	5.26E-08
1679	495361.06	3858852	3.91E-04	3.82E-04	3.77E-04	1.35E-07	4.09E-07	2.37E-07	2.31E-07	2.09E-07	9.55E-08	9.43E-08	4.52E-09	1.09E-07	2.41E-08	3.14E-08	4.98E-08	8.77E-09	6.22E-09	2.34E-07	1.23E-07	5.24E-08	6.16E-08	2.42E-08	1.23E-07	5.24E-08
1680	495411.06	3858852	3.90E-04	3.80E-04	3.75E-04	1.35E-07	4.07E-07	2.36E-07	2.30E-07	2.09E-07	9.51E-08	9.39E-08	4.50E-09	1.09E-07	2.40E-08	3.12E-08	4.95E-08	8.73E-09	6.19E-09	2.33E-07	1.23E-07	5.22E-08	6.14E-08	2.41E-08	1.23E-07	5.22E-08
1681	495461.06	3858852	3.88E-04	3.79E-04	3.74E-04	1.34E-07	4.06E-07	2.35E-07	2.29E-07	2.08E-07	9.48E-08	9.36E-08	4.49E-09	1.08E-07	2.39E-08	3.11E-08	4.94E-08	8.70E-09	6.17E-09	2.32E-07	1.23E-07	5.20E-08	6.12E-08	2.40E-08	1.23E-07	5.20E-08
1682	495511.06	3858852	3.86E-04	3.77E-04	3.72E-04	1.34E-07	4.03E-07	2.33E-07	2.28E-07	2.07E-07	9.42E-08	9.30E-08	4.46E-09	1.08E-07	2.38E-08	3.09E-08	4.91E-08	8.65E-09	6.13E-09	2.31E-07	1.22E-07	5.17E-08	6.08E-08	2.39E-08	1.22E-07	5.17E-08
1683	495561.06	3858852	3.83E-04	3.74E-04	3.69E-04	1.33E-07	4.00E-07	2.32E-07	2.26E-07	2.05E-07	9.35E-08	9.23E-08	4.43E-09	1.07E-07	2.36E-08	3.07E-08	4.87E-08	8.58E-09	6.09E-09	2.29E-07	1.21E-07	5.13E-08	6.03E-08	2.37E-08	1.21E-07	5.13E-08
1684	495611.06	3858852	3.80E-04	3.71E-04	3.66E-04	1.32E-07	3.97E-07	2.30E-07	2.24E-07	2.03E-07	9.28E-08	9.16E-08	4.39E-09	1.06E-07	2.34E-08	3.05E-08	4.83E-08	8.52E-09	6.04E-09	2.27E-07	1.20E-07	5.09E-08	5.99E-08	2.35E-08	1.20E-07	5.09E-08
1685	495661.06	3858852	3.78E-04	3.69E-04	3.64E-04	1.31E-07	3.95E-07	2.29E-07	2.23E-07	2.03E-07	9.24E-08	9.12E-08	4.37E-09	1.06E-07	2.33E-08	3.03E-08	4.81E-08	8.48E-09	6.01E-09	2.26E-07	1.19E-07	5.07E-08	5.96E-08	2.34E-08	1.19E-07	5.07E-08
1686	494311.06	3858902	4.75E-04	4.64E-04	4.57E-04	1.64E-07	4.97E-07	2.87E-07	2.80E-07	2.54E-07	1.16E-07	1.14E-07	5.49E-09	1.33E-07	2.93E-08	3.81E-08	6.04E-08	1.06E-08	7.55E-09	2.84E-07	1.50E-07	6.36E-08	7.48E-08	2.94E-08	1.50E-07	6.36E-08
1687	494361.06	3858902	4.79E-04	4.67E-04	4.61E-04	1.66E-07	5.00E-07	2.90E-07	2.83E-07	2.56E-07	1.17E-07	1.15E-07	5.53E-09	1.34E-07	2.95E-08	3.84E-08	6.09E-08	1.07E-08	7.61E-09	2.86E-07	1.51E-07	6.41E-08	7.54E-08	2.96E-08	1.51E-07	6.41E-08
1688	494411.06	3858902	4.77E-04	4.66E-04	4.59E-04	1.65E-07	4.99E-07	2.89E-07	2.82E-07	2.55E-07	1.17E-07	1.15E-07	5.52E-09	1.33E-07	2.94E-08	3.82E-08	6.07E-08	1.07E-08	7.58E-09	2.85E-07	1.51E-07	6.39E-08	7.52E-08	2.95E-08	1.51E-07	6.39E-08
1689	494461.06	3858902	4.78E-04	4.66E-04	4.60E-04	1.65E-07	4.99E-07	2.89E-07	2.82E-07	2.56E-07	1.17E-07	1.15E-07	5.52E-09	1.33E-07	2.94E-08	3.83E-08	6.07E-08	1.07E-08	7.59E-09	2.86E-07	1.51E-07	6.39E-08	7.52E-08	2.96E-08	1.51E-07	6.39E-08
1690	494511.06	3858902	4.75E-04	4.64E-04	4.58E-04	1.65E-07	4.97E-07	2.88E-07	2.81E-07	2.54E-07	1.16E-07	1.15E-07	5.50E-09	1.33E-07	2.93E-08	3.81E-08	6.05E-08	1.07E-08	7.56E-09	2.84E-07	1.50E-07	6.37E-08	7.49E-08	2.94E-08	1.50E-07	6.37E-08
1691	494561.06	3858902	4.70E-04	4.59E-04	4.53E-04	1.63E-07	4.92E-07	2.85E-07	2.78E-07	2.52E-07	1.15E-07	1.13E-07	5.44E-09	1.31E-07	2.90E-08	3.77E-08	5.98E-08	1.05E-08	7.48E-09	2.81E-07	1.48E-07	6.30E-08	7.41E-08	2.91E-08	1.48E-07	6.30E-08
1692	494611.06	3858902	4.63E-04	4.52E-04	4.46E-04	1.60E-07	4.84E-07	2.80E-07	2.74E-07	2.48E-07	1.13E-07	1.12E-07	5.36E-09	1.29E-07	2.86E-08	3.71E-08	5.89E-08	1.04E-08	7.37E-09	2.77E-07	1.46E-07	6.21E-08	7.30E-08	2.87E-08	1.46E-07	6.21E-08
1693	494661.06	3858902	4.59E-04	4.48E-04	4.42E-04	1.59E-07	4.80E-07	2.78E-07	2.71E-07	2.46E-07	1.12E-07	1.11E-07	5.30E-09	1.28E-07	2.83E-08	3.68E-08	5.84E-08	1.03E-08	7.29E-09	2.74E-07	1.45E-07	6.14E-08	7.23E-08	2.84E-08	1.45E-07	6.14E-08
1694	494711.06	3858902	4.52E-04	4.41E-04	4.35E-04	1.57E-07	4.73E-07	2.74E-07	2.67E-07	2.42E-07	1.10E-07	1.09E-07	5.23E-09	1.26E-07	2.79E-08	3.63E-08	5.75E-08	1.01E-08	7.19E-09	2.70E-07	1.43E-07	6.06E-08	7.12E-08	2.80E-08	1.43E-07	6.06E-08
1695	494761.06	3858902	4.45E-04	4.34E-04	4.28E-04	1.54E-07	4.65E-07	2.69E-07	2.63E-07	2.38E-07	1.09E-07	1.07E-07	5.14E-09	1.24E-07	2.74E-08	3.57E-08	5.66E-08	9.97E-09	7.07E-09	2.66E-07	1.40E-07	5.96E-08	7.01E-08	2.75E-08	1.40E-07	5.96E-08

1696	494811.06	3858902	4.40E-04	4.29E-04	4.23E-04	1.52E-07	4.60E-07	2.66E-07	2.60E-07	2.35E-07	1.07E-07	1.06E-07	5.08E-09	1.23E-07	2.71E-08	3.53E-08	5.59E-08	9.86E-09	6.99E-09	2.63E-07	1.39E-07	5.89E-08	6.93E-08	2.72E-08	1.39E-07	5.89E-08
1697	494861.06	3858902	4.36E-04	4.25E-04	4.20E-04	1.51E-07	4.56E-07	2.64E-07	2.57E-07	2.33E-07	1.06E-07	1.05E-07	5.04E-09	1.22E-07	2.69E-08	3.50E-08	5.55E-08	9.77E-09	6.93E-09	2.61E-07	1.38E-07	5.84E-08	6.87E-08	2.70E-08	1.38E-07	5.84E-08
1698	494911.06	3858902	4.29E-04	4.18E-04	4.13E-04	1.48E-07	4.48E-07	2.59E-07	2.53E-07	2.29E-07	1.05E-07	1.03E-07	4.95E-09	1.20E-07	2.64E-08	3.44E-08	5.45E-08	9.61E-09	6.81E-09	2.56E-07	1.35E-07	5.74E-08	6.75E-08	2.65E-08	1.35E-07	5.74E-08
1699	494961.06	3858902	4.24E-04	4.14E-04	4.09E-04	1.47E-07	4.44E-07	2.57E-07	2.51E-07	2.27E-07	1.04E-07	1.02E-07	4.91E-09	1.19E-07	2.61E-08	3.40E-08	5.40E-08	9.51E-09	6.75E-09	2.54E-07	1.34E-07	5.68E-08	6.69E-08	2.63E-08	1.34E-07	5.68E-08
1700	495011.06	3858902	4.20E-04	4.10E-04	4.05E-04	1.45E-07	4.39E-07	2.54E-07	2.48E-07	2.25E-07	1.03E-07	1.01E-07	4.86E-09	1.17E-07	2.59E-08	3.37E-08	5.34E-08	9.42E-09	6.68E-09	2.51E-07	1.33E-07	5.63E-08	6.62E-08	2.60E-08	1.33E-07	5.63E-08
1701	495061.06	3858902	4.14E-04	4.04E-04	3.99E-04	1.43E-07	4.33E-07	2.51E-07	2.45E-07	2.22E-07	1.01E-07	9.99E-08	4.79E-09	1.16E-07	2.55E-08	3.32E-08	5.27E-08	9.29E-09	6.59E-09	2.48E-07	1.31E-07	5.55E-08	6.53E-08	2.57E-08	1.31E-07	5.55E-08
1702	495111.06	3858902	4.08E-04	3.98E-04	3.93E-04	1.41E-07	4.26E-07	2.47E-07	2.41E-07	2.18E-07	9.96E-08	9.83E-08	4.71E-09	1.14E-07	2.51E-08	3.27E-08	5.19E-08	9.14E-09	6.48E-09	2.44E-07	1.29E-07	5.46E-08	6.42E-08	2.52E-08	1.29E-07	5.46E-08
1703	495161.06	3858902	4.05E-04	3.95E-04	3.89E-04	1.40E-07	4.23E-07	2.45E-07	2.39E-07	2.17E-07	9.88E-08	9.75E-08	4.68E-09	1.13E-07	2.49E-08	3.24E-08	5.14E-08	9.07E-09	6.43E-09	2.42E-07	1.28E-07	5.42E-08	6.37E-08	2.50E-08	1.28E-07	5.42E-08
1704	495211.06	3858902	4.05E-04	3.95E-04	3.89E-04	1.40E-07	4.23E-07	2.45E-07	2.39E-07	2.17E-07	9.88E-08	9.75E-08	4.68E-09	1.13E-07	2.49E-08	3.24E-08	5.14E-08	9.07E-09	6.43E-09	2.42E-07	1.28E-07	5.42E-08	6.37E-08	2.50E-08	1.28E-07	5.42E-08
1705	495261.06	3858902	4.03E-04	3.93E-04	3.88E-04	1.39E-07	4.21E-07	2.44E-07	2.38E-07	2.16E-07	9.84E-08	9.71E-08	4.66E-09	1.12E-07	2.48E-08	3.23E-08	5.12E-08	9.03E-09	6.40E-09	2.41E-07	1.27E-07	5.39E-08	6.35E-08	2.49E-08	1.27E-07	5.39E-08
1706	495311.06	3858902	4.01E-04	3.91E-04	3.86E-04	1.39E-07	4.19E-07	2.42E-07	2.37E-07	2.15E-07	9.79E-08	9.66E-08	4.63E-09	1.12E-07	2.47E-08	3.21E-08	5.10E-08	8.98E-09	6.37E-09	2.40E-07	1.26E-07	5.37E-08	6.31E-08	2.48E-08	1.26E-07	5.37E-08
1707	495361.06	3858902	3.99E-04	3.89E-04	3.84E-04	1.38E-07	4.17E-07	2.41E-07	2.35E-07	2.13E-07	9.74E-08	9.61E-08	4.61E-09	1.11E-07	2.46E-08	3.20E-08	5.07E-08	8.94E-09	6.34E-09	2.38E-07	1.26E-07	5.34E-08	6.28E-08	2.47E-08	1.26E-07	5.34E-08
1708	495411.06	3858902	3.98E-04	3.88E-04	3.83E-04	1.38E-07	4.16E-07	2.41E-07	2.35E-07	2.13E-07	9.72E-08	9.59E-08	4.60E-09	1.11E-07	2.45E-08	3.19E-08	5.06E-08	8.92E-09	6.32E-09	2.38E-07	1.26E-07	5.33E-08	6.27E-08	2.46E-08	1.26E-07	5.33E-08
1709	495461.06	3858902	3.96E-04	3.86E-04	3.81E-04	1.37E-07	4.14E-07	2.39E-07	2.34E-07	2.12E-07	9.67E-08	9.54E-08	4.58E-09	1.11E-07	2.44E-08	3.17E-08	5.03E-08	8.87E-09	6.29E-09	2.37E-07	1.25E-07	5.30E-08	6.24E-08	2.45E-08	1.25E-07	5.30E-08
1710	495511.06	3858902	3.93E-04	3.83E-04	3.78E-04	1.36E-07	4.11E-07	2.38E-07	2.32E-07	2.10E-07	9.60E-08	9.47E-08	4.54E-09	1.10E-07	2.42E-08	3.15E-08	5.00E-08	8.81E-09	6.25E-09	2.35E-07	1.24E-07	5.26E-08	6.19E-08	2.43E-08	1.24E-07	5.26E-08
1711	495561.06	3858902	3.90E-04	3.81E-04	3.76E-04	1.35E-07	4.08E-07	2.36E-07	2.31E-07	2.09E-07	9.53E-08	9.41E-08	4.51E-09	1.09E-07	2.41E-08	3.13E-08	4.96E-08	8.75E-09	6.21E-09	2.33E-07	1.23E-07	5.23E-08	6.15E-08	2.42E-08	1.23E-07	5.23E-08
1712	495611.06	3858902	3.87E-04	3.78E-04	3.73E-04	1.34E-07	4.05E-07	2.34E-07	2.29E-07	2.07E-07	9.46E-08	9.34E-08	4.48E-09	1.08E-07	2.39E-08	3.11E-08	4.93E-08	8.68E-09	6.16E-09	2.32E-07	1.22E-07	5.19E-08	6.10E-08	2.40E-08	1.22E-07	5.19E-08
1713	495661.06	3858902	3.86E-04	3.77E-04	3.72E-04	1.34E-07	4.04E-07	2.34E-07	2.28E-07	2.07E-07	9.43E-08	9.31E-08	4.46E-09	1.08E-07	2.38E-08	3.10E-08	4.91E-08	8.66E-09	6.14E-09	2.31E-07	1.22E-07	5.17E-08	6.08E-08	2.39E-08	1.22E-07	5.17E-08
1714	494311.06	3858952	4.93E-04	4.81E-04	4.75E-04	1.71E-07	5.16E-07	2.98E-07	2.91E-07	2.64E-07	1.20E-07	1.19E-07	5.70E-09	1.38E-07	3.04E-08	3.95E-08	6.27E-08	1.11E-08	7.84E-09	2.95E-07	1.56E-07	6.61E-08	7.77E-08	3.05E-08	1.56E-07	6.61E-08
1715	494361.06	3858952	4.93E-04	4.81E-04	4.75E-04	1.71E-07	5.16E-07	2.98E-07	2.91E-07	2.64E-07	1.20E-07	1.19E-07	5.70E-09	1.38E-07	3.04E-08	3.95E-08	6.27E-08	1.11E-08	7.84E-09	2.95E-07	1.56E-07	6.61E-08	7.77E-08	3.05E-08	1.56E-07	6.61E-08
1716	494411.06	3858952	4.89E-04	4.77E-04	4.71E-04	1.69E-07	5.11E-07	2.96E-07	2.89E-07	2.62E-07	1.19E-07	1.18E-07	5.65E-09	1.37E-07	3.01E-08	3.92E-08	6.22E-08	1.10E-08	7.77E-09	2.93E-07	1.54E-07	6.55E-08	7.71E-08	3.03E-08	1.54E-07	6.55E-08
1717	494461.06	3858952	4.90E-04	4.78E-04	4.72E-04	1.70E-07	5.12E-07	2.96E-07	2.89E-07	2.62E-07	1.20E-07	1.18E-07	5.66E-09	1.37E-07	3.02E-08	3.93E-08	6.23E-08	1.10E-08	7.79E-09	2.93E-07	1.55E-07	6.56E-08	7.72E-08	3.03E-08	1.55E-07	6.56E-08
1718	494511.06	3858952	4.87E-04	4.75E-04	4.69E-04	1.68E-07	5.09E-07	2.94E-07	2.87E-07	2.60E-07	1.19E-07	1.17E-07	5.63E-09	1.36E-07	3.00E-08	3.90E-08	6.19E-08	1.09E-08	7.74E-09	2.91E-07	1.54E-07	6.52E-08	7.67E-08	3.01E-08	1.54E-07	6.52E-08
1719	494561.06	3858952	4.82E-04	4.70E-04	4.64E-04	1.67E-07	5.03E-07	2.91E-07	2.84E-07	2.58E-07	1.18E-07	1.16E-07	5.57E-09	1.34E-07	2.97E-08	3.86E-08	6.13E-08	1.08E-08	7.66E-09	2.88E-07	1.52E-07	6.45E-08	7.59E-08	2.98E-08	1.52E-07	6.45E-08
1720	494611.06	3858952	4.75E-04	4.64E-04	4.58E-04	1.65E-07	4.97E-07	2.88E-07	2.81E-07	2.54E-07	1.16E-07	1.15E-07	5.50E-09	1.33E-07	2.93E-08	3.81E-08	6.05E-08	1.07E-08	7.56E-09	2.84E-07	1.50E-07	6.37E-08	7.49E-08	2.94E-08	1.50E-07	6.37E-08
1721	494661.06	3858952	4.69E-04	4.57E-04	4.51E-04	1.62E-07	4.90E-07	2.84E-07	2.77E-07	2.51E-07	1.14E-07	1.13E-07	5.42E-09	1.31E-07	2.89E-08	3.76E-08	5.96E-08	1.05E-08	7.45E-09	2.80E-07	1.48E-07	6.28E-08	7.39E-08	2.90E-08	1.48E-07	6.28E-08
1722	494711.06	3858952	4.61E-04	4.50E-04	4.44E-04	1.60E-07	4.82E-07	2.79E-07	2.72E-07	2.47E-07	1.13E-07	1.11E-07	5.33E-09	1.29E-07	2.84E-08	3.70E-08	5.87E-08	1.03E-08	7.33E-09	2.76E-07	1.46E-07	6.18E-08	7.27E-08	2.86E-08	1.46E-07	6.18E-08
1723	494761.06	3858952	4.55E-04	4.44E-04	4.38E-04	1.58E-07	4.76E-07	2.75E-07	2.69E-07	2.44E-07	1.11E-07	1.10E-07	5.26E-09	1.27E-07	2.80E-08	3.65E-08	5.79E-08	1.02E-08	7.23E-09	2.72E-07	1.44E-07	6.09E-08	7.17E-08	2.82E-08	1.44E-07	6.09E-08
1724	494811.06	3858952	4.51E-04	4.40E-04	4.34E-04	1.56E-07	4.71E-07	2.73E-07	2.66E-07	2.41E-07	1.10E-07	1.09E-07	5.21E-09	1.26E-07	2.78E-08	3.61E-08	5.73E-08	1.01E-08	7.16E-09	2.69E-07	1.42E-07	6.03E-08	7.10E-08	2.79E-08	1.42E-07	6.03E-08
1725	494861.06	3858952	4.46E-04	4.35E-04	4.29E-04	1.54E-07	4.66E-07	2.70E-07	2.63E-07	2.39E-07	1.09E-07	1.07E-07	5.16E-09	1.25E-07	2.75E-08	3.58E-08	5.67E-08	1.00E-08	7.09E-09	2.67E-07	1.41E-07	5.97E-08	7.03E-08	2.76E-08	1.41E-07	5.97E-08
1726	494911.06	3858952	4.40E-04	4.30E-04	4.24E-04	1.52E-07	4.60E-07	2.66E-07	2.60E-07	2.36E-07	1.08E-07	1.06E-07	5.09E-09	1.23E-07	2.71E-08	3.53E-08	5.60E-08	9.87E-09	7.00E-09	2.63E-07	1.39E-07	5.89E-08	6.93E-08	2.72E-08	1.39E-07	5.89E-08
1727	494961.06	3858952	4.36E-04	4.25E-04	4.20E-04	1.51E-07	4.56E-07	2.64E-07	2.57E-07	2.33E-07	1.06E-07	1.05E-07	5.04E-09	1.22E-07	2.69E-08	3.50E-08	5.55E-08	9.77E-09	6.93E-09	2.61E-07	1.38E-07	5.84E-08	6.87E-08	2.70E-08	1.38E-07	5.84E-08
1728	495011.06	3858952	4.28E-04	4.18E-04	4.12E-04	1.48E-07	4.48E-07	2.59E-07	2.53E-07	2.29E-07	1.05E-07	1.03E-07	4.95E-09	1.20E-07	2.64E-08	3.43E-08	5.44E-08	9.60E-09	6.81E-09	2.56E-07	1.35E-07	5.73E-08	6.74E-08	2.65E-08	1.35E-07	5.73E-08
1729	495061.06	3858952	4.20E-04	4.10E-04	4.05E-04	1.45E-07	4.39E-07	2.54E-07	2.48E-07	2.25E-07	1.03E-07	1.01E-07	4.86E-09	1.17E-07	2.59E-08	3.37E-08	5.34E-08	9.42E-09	6.68E-09	2.51E-07	1.33E-07	5.63E-08	6.62E-08	2.60E-08	1.33E-07	5.63E-08
1730	495111.06	3858952	4.14E-04	4.04E-04	3.99E-04	1.43E-07	4.33E-07	2.51E-07	2.45E-07	2.22E-07	1.01E-07	9.99E-08	4.79E-09	1.16E-07	2.55E-08	3.32E-08	5.27E-08	9.29E-09	6.59E-09	2.48E-07	1.31E-07	5.55E-08	6.53E-08	2.57E-08	1.31E-07	5.55E-08
1731	495161.06	3858952	4.15E-04	4.05E-04	4.00E-04	1.44E-07	4.34E-07	2.51E-07	2.45E-07	2.22E-07	1.01E-07	1.00E-07	4.80E-09	1.16E-07	2.56E-08	3.33E-08	5.28E-08	9.31E-09	6.60E-09	2.48E-07	1.31E-07	5.56E-08	6.54E-08	2.57E-08	1.31E-07	5.56E-08
1732	495211.06	3858952	4.14E-04	4.04E-04	3.98E-04	1.43E-07	4.32E-07	2.50E-07	2.44E-07	2.21E-07	1.01E-07	9.97E-08	4.78E-09	1.15E-07	2.55E-08	3.32E-08	5.26E-08	9.27E-09	6.57E-09	2.47E-07	1.31E-07	5.54E-08	6.52E-08	2.56E-08	1.31E-07	5.54E-08
1733	495261.06	3858952	4.12E-04	4.02E-04	3.96E-04	1.42E-07	4.30E-07	2.49E-07	2.43E-07	2.20E-07	1.01E-07	9.92E-08	4.76E-09	1.15E-07	2.54E-08	3.30E-08	5.23E-08	9.22E-09	6.54E-09	2.46E-07	1.30E-07	5.51E-08	6.48E-08	2.55E-08	1.30E-07	5.51E-08
1734	495311.06	3858952	4.08E-04	3.98E-04	3.93E-04	1.41E-07	4.27E-07	2.47E-07	2.41E-07	2.19E-07	9.97E-08	9.84E-08	4.72E-09	1.14E-07	2.52E-08	3.27E-08	5.19E-08	9.15E-09	6.49E-09	2.44E-07	1.29E-07	5.47E-08	6.43E-08	2.53E-08	1.29E-07	5.47E-08
1735	495361.06	3858952	4.07E-04	3.97E-04	3.92E-04	1.41E-07	4.25E-07	2.46E-07	2.40E-07	2.18E-07	9.94E-08	9.81E-08	4.70E-09	1.14E-07	2.51E-08	3.26E-08	5.18E-08	9.12E-09	6.47E-09	2.43E-07	1.28E-07	5.45E-08	6.41E-08	2.52E-08	1.28E-07	5.45E-08
1736	495411.06	3858952	4.06E-04	3.96E-04	3.91E-04	1.40E-07	4.24E-07	2.46E-07	2.40E-07	2.17E-07	9.91E-08	9.78E-08	4.69E-09	1.13E-07	2.50E-08	3.25E-08	5.16E-08	9.09E-09	6.45E-09	2.43E-07	1.28E-07	5.43E-08	6.39E-08	2.51E-08	1.28E-07	5.43E-08
1737	495461.06	3858952	4.04E-04	3.94E-04	3.89E-04	1.40E-07	4.22E-07	2.45E-07	2.39E-07	2.16E-07	9.87E-08	9.74E-08	4.67E-09	1.13E-07	2.49E-08	3.24E-08	5.14E-08	9.06E-09	6.42E-09	2.42E-07	1.28E-07	5.41E-08	6.37E-08	2.50E-08	1.28E-07	5.41E-08
1738	495511.06	3858952	4.02E-04	3.93E-04	3.87E-04	1.39E-07	4.21E-07	2.43E-07	2.38E-07	2.15E-07	9.83E-08	9.70E-08	4.65E-09	1.12E-07	2.48E-08	3.23E-08	5.12E-08	9.02E-09	6.40E-09	2.41E-07	1.27E-07	5.39E-08	6.34E-08	2.49E-08	1.27E-07	5.39E-08
1739	495561.06	3858952	3.98E-04	3.89E-04	3.83E-04	1.38E-07	4.16E-07	2.41E-07	2.35E-07	2.13E-07	9.73E-08	9.60E-08	4.60E-09	1.11E-07	2.45E-08	3.19E-08	5.06E-08	8.93E-09	6.33E-09	2.38E-07	1.26E-07	5.33E-08	6.27E-08	2.46E-08	1.26E-07	5.33E-08
1740	495611.06	3858952	3.95E-04	3.85E-04	3.80E-04	1.37E-07	4.13E-07	2.39E-07	2.33E-07	2.11E-07	9.65E-08	9.52E-08	4.57E-09	1.10E-07	2.43E-08	3.17E-08	5.02E-08	8.85E-09	6.28E-09	2.36E-07	1.25E-07	5.29E-08	6.22E-08	2.44E-08	1.25E-07	5.29E-08
1741	495661.06	3858952	3.94E-04	3.85E-04	3.79E-04	1.36E-07	4.12E-07	2.38E-07	2.33E-07	2.11E-07	9.63E-08	9.50E-08	4.56E-09	1.10E-07	2.43E-08	3.16E-08	5.01E-08	8.83E-09	6.26E-09	2.36E-07	1.24E-07	5.28E-08	6.21E-08	2.44E-08	1.24E-07	5.28E-08
1742	494311.06	3859002	5.09E-04	4.97E-04	4.91E-04	1.76E-07	5.33E-07	3.08E-07	3.01E-07	2.73E-07	1.24E-07	1.23E-07	5.89E-09	1.42E-07	3.14E-08	4.08E-08	6.48E-08	1.14E-08	8.10E-09	3.05E-07	1.61E-07	6.82E-08	8.03E-08	3.15E-08	1.61E-07	6.82E-08
1743	494361.06	3859002	5.07E-04	4.95E-04	4.88E-04	1.75E-07	5.30E-07	3.07E-07	2.99E-07	2.71E-07	1.24E-07	1.22E-07	5.86E-09	1.42E-07	3.12E-08	4.06E-08	6.45E-08	1.14E-08	8.06E-09	3.03E-07	1.60E-07	6.79E-08	7.99E-08	3.14E-08	1.60E-07	6.79E-08
1744	494411.06	3859002	5.06E-04	4.94E-04	4.87E-04	1.75E-07	5.29E-07	3.06E-07	2.99E-07	2.71E-07	1.24E-07	1.22E-07	5.85E-09	1.41E-07	3.12E-08	4.06E-08	6.44E-08	1.13E-08	8.05E-09	3.03E-07	1.60E-07	6.78E-08	7.97E-08	3.13E-08	1.60E-07	6.78E-08
1745	494461.06	3859002	5.03E-04	4.91E-04	4.84E-04	1.74E-07	5.26E-07	3.04E-07	2.97E-07	2.69E-07	1.23E-07	1.21E-07	5.81E-09	1.40E-07	3.10E-08	4.03E-08	6.39E-08	1.13E-08	7.99E-09	3.01E-07	1.59E-07	6.73E-08	7.92E-08	3.11E-08	1.59E-07	6.73E-08
1746	494511.06	3859002	4.99E-04	4.87E-04	4.81E-04	1.73E-07	5.22E-07	3.02E-07	2.95E-07	2.67E-07	1.22E-07	1.20E-07	5.77E-09	1.39E-07	3.08E-08	4.00E-08	6.35E-08	1.12E-08	7.93E-09	2.98E-07	1.58E-07	6.68E-08	7.86E-08	3.09E-08	1.58E-07	6.68E-08
1747	494561.06	3859002	4.92E-04	4.81E-04	4.74E-04	1.70E-07	5.15E-07	2.98E-07	2.91E-07	2.64E-07	1.20E-07	1.19E-07	5.69E-09	1.38E-07	3.03E-08	3.95E-08	6.26E-08	1.10E-08	7.83E-09	2.95E-07	1.55E-07	6.59E-08	7.76E-08	3.05E-08	1.55E-07	6.59E-08
1748	494611.06	3859002	4.87E-04	4.75E-04	4.69E-04	1.68E-07	5.09E-07	2.94E-07	2.87E-07	2.60E-07	1.19E-07	1.17E-07	5.63E-09	1.36E-07	3.00E-08	3.90E-08	6.19E-08	1.09E-08	7.74E-09	2.91E-07	1.54E-07	6.52E-08	7.67E-08	3.01E-08	1.54E-07	6.52E-08
1749	494661.06	3859002	4.79E-04	4.68E-04	4.61E-04	1.66E-07	5.01E-07	2.90E-07	2.83E-07	2.56E-07	1.17E-07	1.15E-07	5.54E-09	1.34E-07	2.95E-08	3.84E-08	6.09E-08	1.07E-08	7.62E-09	2.87E-07	1.51E-07	6.42E-08	7.55E-08	2.97E-08	1.51E-07	6.42E-08
1750	494711.06	3859002	4.71E-04	4.60E-04	4.54E-04	1.63E-07	4.93E-07	2.85E-07	2.78E-07	2.52E-07	1.15E-07	1.14E-07	5.45E-09	1.32E-07	2.90E-08	3.78E-08	5.99E-08	1.06E-08	7.49E-09	2.82E-07	1.49E-07	6.31E-08	7.42E-08	2.92E-08	1.49E-07	6.31E-08
1751	494761.06	3859002	4.66E-04	4.55E-04	4.49E-04	1.61E-07	4.87E-07	2.82E-07	2.75E-07	2.50E-07	1.14E-07	1.12E-07	5.39E-09	1.30E-07	2.87E-08	3.74E-08	5.93E-08	1.05E-08	7.41E-09	2.79E-07	1.47E-07	6.24E-08	7.35E-08	2.89E-08	1.47E-07	6.24E-08
1752	494811.06	3859002	4.62E-04	4.51E-04	4.45E-04	1.60E-07	4.83E-07	2.80E-07	2.73E-07	2.47E-07	1.13E-07	1.11E-07	5.34E-09	1.29E-07	2.85E-08	3.70E-08	5.88E-08	1.04E-08	7.35E-09	2.76E-07	1.46E-07	6.19E-08	7.28E-08	2.86E-08	1.46E-07	6.19E-08
1753	494861.06	3859002	4.56E-04	4.45E-04	4.39E-04	1.58E-07	4.77E-07	2.76E-07	2.69E-07	2.44E-07	1.11E-07	1.10E-07	5.28E-09	1.27E-07	2.81E-08	3.66E-08	5.80E-08	1.02E-08	7.25E-09	2.73E-07	1.44E-07	6.11E-08	7.19E-08	2.82E-08	1.44E-07	6.11E-08
1754	494911.06	3859002	4.51E-04	4.40E-04	4.34E-04	1.56E-07	4.71E-07	2.73E-07	2.66E-07	2.41E-07	1.10E-07	1.09E-07	5.21E-09	1.26E-07	2.78E-08	3.61E-08	5.73E-08	1.01E-08	7.16E-09	2.69E-07	1.42E-07	6.03E-08	7.10E-08	2.79E-08	1.42E-07	6.03E-08
1755	494961.06	3859002	4.45E-04	4.34E-04	4.28E-04	1.54E-07	4.65E-07	2.69E-07	2.63E-07	2.38E-07	1.09E-07	1.07E-07	5.14E-09	1.24E-07	2.74E-08	3.57E-08	5.66E-08	9.97E-09	7.07E-09	2.66E-07	1.40E-07	5.96E-08	7.01E-08	2.75E-08	1.40E-07	5.96E-08
1756	495011.06	3859002	4.32E-04	4.21E-04	4.16E-04	1.50E-07	4.51E-07	2.61E-07	2.55E-07	2.31E-07	1.05E-07	1.04E-07	4.99E-09	1.21E-07	2.66E-08	3.46E-08	5.49E-08	9.68E-09	6.86E-09	2.58E-07	1.36E-07	5.78E-08	6.80E-08	2.67E-08	1.36E-07	5.78E-08
1757	495061.06	3859002	4.29E-04	4.18E-04	4.13E-04	1.48E-07	4.48E-07	2.59E-07	2.53E-07	2.29E-07	1.05E-07	1.03E-07	4.95E-09	1.20E-07	2.64E-08	3.44E-08	5.45E-08	9.61E-09	6.81E-09	2.56E-07	1.35E-07	5.74E-08	6.75E-08	2.65E-08	1.35E-07	5.74E-08
1758	495111.06	3859002	4.23E-04	4.13E-04	4.07E-04	1.46E-07	4.42E-07	2.56E-07	2.50E-07	2.26E-07	1.03E-07	1.02E-07	4.89E-09	1.18E-07	2.60E-08	3.39E-08	5.38E-08	9.48E-09	6.72E-09	2.53E-07	1.33E-07	5.66E-08	6.66E-08	2.62E-08	1.33E-07	5.66E-08
1759	495161.06	3859002	4.24E-04	4.14E-04	4.09E-04	1.47E-07	4.44E-07	2.57E-07	2.51E-07	2.27E-07	1.04E-07	1.02E-07	4.91E-09	1.19E-07	2.61E-08	3.40E-08	5.40E-08	9.51E-09	6.75E-09	2.54E-07	1.34E-07	5.68E-08	6.69E-08	2.63E-08	1.34E-07	5.68E-08
1760	495211.06	3859002	4.22E-04	4.12E-04	4.06E-04	1.46E-07	4.41E-07	2.55E-07	2.49E-07	2.26E-07	1.03E-07	1.02E-07	4.88E-09	1.18E-07	2.60E-08	3.38E-08	5.37E-08	9.46E-09	6.71E-09	2.52E-07	1.33E-07	5.65E-08	6.65E-08	2.61E-08	1.33E-07	5.65E-08
1761	495261.06	3859002	4.21E-04	4.11E-04	4.05E-04	1.46E-07	4.40E-07	2.55E-07	2.48E-07	2.25E-07	1.03E-07	1.01E-07	4.86E-09	1.17E-07	2.59E-08	3.37E-08	5.35E-08	9.43E-09	6.69E-09	2.52E-07	1.33E-07	5.63E-08	6.63E-08	2.60E-08	1.33E-07	5.63E-08
1762	495311.06	3859002	4.18E-04	4.08E-04	4.03E-04	1.45E-07	4.37E-07	2.53E-07	2.47E-07	2.24E-07	1.02E-07	1.01E-07	4.83E-09	1.17E-07	2.58E-08	3.35E-08	5.32E-08	9.37E-09	6.65E-09	2.50E-07	1.32E-07	5.60E-08	6.59E-08	2.59E-08	1.32E-07	5.60E-08
1763	495361.06	3859002	4.17E-04	4.06E-04	4.01E-04	1.44E-07	4.35E-07	2.52E-07	2.46E-07	2.23E-07	1.02E-07	1.00E-07	4.81E-09	1.16E-07	2.57E-08	3.34E-08	5.30E-08	9.34E-09	6.62E-09	2.49E-07	1.31E-07	5.58E-08	6.56E-08	2.58E-08	1.31E-07	5.58E-08
1764	495411.06	3859002	4.14E-04	4.04E-04	3.99E-04	1.43E-07	4.33E-07	2.51E-07	2.45E-07	2.22E-07	1.01E-07	9.99E-08	4.79E-09	1.16E-07	2.55E-08	3.32E-08	5.27E-08	9.29E-09	6.59E-09	2.48E-07	1.31E-07	5.55E-08	6.53E-08	2.57E-08	1.31E-07	5.55E-08
1765	495461.06	3859002	4.13E-04	4.03E-04	3.97E-04	1.43E-07	4.31E-07	2.50E-07	2.44E-07	2.21E-07	1.01E-07	9.95E-08	4.77E-09	1.15E-07	2.54E-08	3.31E-08	5.25E-08	9.25E-09	6.56E-09	2.47E-07	1.30E-07	5.53E-08	6.50E-08	2.55E-08	1.30E-07	5.53E-08
1766	495511.06	3859002	4.09E-04	3.99E-04	3.94E-04	1.42E-07	4.28E-07	2.48E-07	2.42E-07	2.19E-07	9.99E-08	9.86E-08	4.73E-09	1.14E-07	2.52E-08	3.28E-08	5.20E-08	9.17E-09	6.50E-09	2.45E-07	1.29E-07	5.48E-08	6.44E-08	2.53E-08	1.29E-07	5.48E-08
1767	495561.06	3859002	4.07E-04	3.97E-04	3.91E-04	1.41E-07	4.25E-07	2.46E-07	2.40E-07	2.18E-07	9.93E-08	9.80E-08	4.70E-09	1.14E-07	2.51E-08	3.26E-08	5.17E-08	9.11E-09	6.46E-09	2.43E-07	1.28E-07	5.44E-08	6.41E-08	2.52E-08	1.28E-07	5.44E-08
1768	495611.06	3859002	4.03E-04	3.94E-04	3.88E-04	1.40E-07	4.21E-07	2.44E-07	2.38E-07	2.16E-07	9.85E-08	9.72E-08	4.66E-09	1.13E-07	2.48E-08	3.23E-08	5.13E-08	9.04E-09	6.41E-09	2.41E-07	1.27E-07	5.40E-08	6.35E-08	2.50E-08	1.27E-07	5.40E-08
1769	495661.06	3859002	4.03E-04	3.94E-04	3.88E-04	1.40E-07	4.21E-07	2.44E-07	2.38E-07	2.16E-07	9.85E-08	9.72E-08	4.66E-09	1.13E-07	2.48E-08	3.23E-08	5.13E-08	9.04E-09	6.41E-09	2.41E-07	1.27E-07	5.40E-08	6.35E-08	2.50E-08	1.27E-07	5.40E-08

1770	494311.06	3859052	5.24E-04	5.12E-04	5.05E-04	1.82E-07	5.48E-07	3.17E-07	3.10E-07	2.81E-07	1.28E-07	1.26E-07	6.06E-09	1.46E-07	3.23E-08	4.20E-08	6.67E-08	1.18E-08	8.34E-09	3.14E-07	1.66E-07	7.02E-08	8.26E-08	3.25E-08	1.66E-07	7.02E-08
1771	494361.06	3859052	5.25E-04	5.12E-04	5.05E-04	1.82E-07	5.49E-07	3.18E-07	3.10E-07	2.81E-07	1.28E-07	1.26E-07	6.07E-09	1.47E-07	3.23E-08	4.21E-08	6.67E-08	1.18E-08	8.34E-09	3.14E-07	1.66E-07	7.03E-08	8.27E-08	3.25E-08	1.66E-07	7.03E-08
1772	494411.06	3859052	5.20E-04	5.07E-04	5.01E-04	1.80E-07	5.43E-07	3.15E-07	3.07E-07	2.78E-07	1.27E-07	1.25E-07	6.01E-09	1.45E-07	3.20E-08	4.17E-08	6.61E-08	1.17E-08	8.26E-09	3.11E-07	1.64E-07	6.96E-08	8.19E-08	3.22E-08	1.64E-07	6.96E-08
1773	494461.06	3859052	5.15E-04	5.02E-04	4.96E-04	1.78E-07	5.38E-07	3.12E-07	3.04E-07	2.76E-07	1.26E-07	1.24E-07	5.95E-09	1.44E-07	3.17E-08	4.13E-08	6.55E-08	1.15E-08	8.18E-09	3.08E-07	1.62E-07	6.89E-08	8.11E-08	3.19E-08	1.62E-07	6.89E-08
1774	494511.06	3859052	5.09E-04	4.97E-04	4.90E-04	1.76E-07	5.32E-07	3.08E-07	3.01E-07	2.72E-07	1.24E-07	1.23E-07	5.88E-09	1.42E-07	3.14E-08	4.08E-08	6.47E-08	1.14E-08	8.09E-09	3.04E-07	1.61E-07	6.82E-08	8.02E-08	3.15E-08	1.61E-07	6.82E-08
1775	494561.06	3859052	5.04E-04	4.91E-04	4.85E-04	1.74E-07	5.26E-07	3.05E-07	2.97E-07	2.70E-07	1.23E-07	1.21E-07	5.82E-09	1.41E-07	3.10E-08	4.04E-08	6.41E-08	1.13E-08	8.01E-09	3.01E-07	1.59E-07	6.74E-08	7.93E-08	3.12E-08	1.59E-07	6.74E-08
1776	494611.06	3859052	4.97E-04	4.85E-04	4.79E-04	1.72E-07	5.19E-07	3.01E-07	2.93E-07	2.66E-07	1.21E-07	1.20E-07	5.75E-09	1.39E-07	3.06E-08	3.98E-08	6.32E-08	1.11E-08	7.90E-09	2.97E-07	1.57E-07	6.66E-08	7.83E-08	3.08E-08	1.57E-07	6.66E-08
1777	494661.06	3859052	4.90E-04	4.78E-04	4.72E-04	1.70E-07	5.12E-07	2.96E-07	2.89E-07	2.62E-07	1.20E-07	1.18E-07	5.66E-09	1.37E-07	3.02E-08	3.93E-08	6.23E-08	1.10E-08	7.79E-09	2.93E-07	1.55E-07	6.56E-08	7.72E-08	3.03E-08	1.55E-07	6.56E-08
1778	494711.06	3859052	4.84E-04	4.72E-04	4.66E-04	1.67E-07	5.06E-07	2.93E-07	2.86E-07	2.59E-07	1.18E-07	1.17E-07	5.59E-09	1.35E-07	2.98E-08	3.88E-08	6.15E-08	1.08E-08	7.69E-09	2.89E-07	1.53E-07	6.48E-08	7.62E-08	2.99E-08	1.53E-07	6.48E-08
1779	494761.06	3859052	4.77E-04	4.66E-04	4.59E-04	1.65E-07	4.99E-07	2.89E-07	2.82E-07	2.55E-07	1.17E-07	1.15E-07	5.52E-09	1.33E-07	2.94E-08	3.82E-08	6.07E-08	1.07E-08	7.58E-09	2.85E-07	1.51E-07	6.39E-08	7.52E-08	2.95E-08	1.51E-07	6.39E-08
1780	494811.06	3859052	4.72E-04	4.61E-04	4.55E-04	1.63E-07	4.93E-07	2.86E-07	2.79E-07	2.53E-07	1.15E-07	1.14E-07	5.46E-09	1.32E-07	2.91E-08	3.78E-08	6.00E-08	1.06E-08	7.50E-09	2.82E-07	1.49E-07	6.32E-08	7.44E-08	2.92E-08	1.49E-07	6.32E-08
1781	494861.06	3859052	4.67E-04	4.56E-04	4.50E-04	1.62E-07	4.88E-07	2.83E-07	2.76E-07	2.50E-07	1.14E-07	1.13E-07	5.40E-09	1.30E-07	2.88E-08	3.74E-08	5.94E-08	1.05E-08	7.43E-09	2.79E-07	1.47E-07	6.26E-08	7.36E-08	2.89E-08	1.47E-07	6.26E-08
1782	494911.06	3859052	4.60E-04	4.49E-04	4.43E-04	1.59E-07	4.81E-07	2.78E-07	2.72E-07	2.46E-07	1.12E-07	1.11E-07	5.32E-09	1.28E-07	2.83E-08	3.69E-08	5.85E-08	1.03E-08	7.31E-09	2.75E-07	1.45E-07	6.16E-08	7.25E-08	2.85E-08	1.45E-07	6.16E-08
1783	494961.06	3859052	4.51E-04	4.40E-04	4.34E-04	1.56E-07	4.71E-07	2.73E-07	2.66E-07	2.41E-07	1.10E-07	1.09E-07	5.21E-09	1.26E-07	2.78E-08	3.62E-08	5.74E-08	1.01E-08	7.17E-09	2.70E-07	1.42E-07	6.04E-08	7.10E-08	2.79E-08	1.42E-07	6.04E-08
1784	495011.06	3859052	4.44E-04	4.33E-04	4.27E-04	1.54E-07	4.64E-07	2.68E-07	2.62E-07	2.37E-07	1.08E-07	1.07E-07	5.13E-09	1.24E-07	2.73E-08	3.56E-08	5.64E-08	9.94E-09	7.05E-09	2.65E-07	1.40E-07	5.94E-08	6.99E-08	2.74E-08	1.40E-07	5.94E-08
1785	495061.06	3859052	4.39E-04	4.28E-04	4.22E-04	1.52E-07	4.58E-07	2.65E-07	2.59E-07	2.35E-07	1.07E-07	1.06E-07	5.07E-09	1.22E-07	2.70E-08	3.52E-08	5.58E-08	9.83E-09	6.97E-09	2.62E-07	1.38E-07	5.87E-08	6.91E-08	2.71E-08	1.38E-07	5.87E-08
1786	495111.06	3859052	4.35E-04	4.24E-04	4.19E-04	1.51E-07	4.54E-07	2.63E-07	2.57E-07	2.33E-07	1.06E-07	1.05E-07	5.03E-09	1.21E-07	2.68E-08	3.49E-08	5.53E-08	9.74E-09	6.91E-09	2.60E-07	1.37E-07	5.82E-08	6.85E-08	2.69E-08	1.37E-07	5.82E-08
1787	495161.06	3859052	4.35E-04	4.24E-04	4.19E-04	1.51E-07	4.54E-07	2.63E-07	2.57E-07	2.33E-07	1.06E-07	1.05E-07	5.03E-09	1.21E-07	2.68E-08	3.49E-08	5.53E-08	9.74E-09	6.91E-09	2.60E-07	1.37E-07	5.82E-08	6.85E-08	2.69E-08	1.37E-07	5.82E-08
1788	495211.06	3859052	4.31E-04	4.21E-04	4.15E-04	1.49E-07	4.51E-07	2.61E-07	2.55E-07	2.31E-07	1.05E-07	1.04E-07	4.98E-09	1.20E-07	2.66E-08	3.46E-08	5.48E-08	9.66E-09	6.85E-09	2.58E-07	1.36E-07	5.77E-08	6.79E-08	2.67E-08	1.36E-07	5.77E-08
1789	495261.06	3859052	4.30E-04	4.20E-04	4.14E-04	1.49E-07	4.50E-07	2.60E-07	2.54E-07	2.30E-07	1.05E-07	1.04E-07	4.97E-09	1.20E-07	2.65E-08	3.45E-08	5.47E-08	9.64E-09	6.84E-09	2.57E-07	1.36E-07	5.76E-08	6.78E-08	2.66E-08	1.36E-07	5.76E-08
1790	495311.06	3859052	4.27E-04	4.17E-04	4.11E-04	1.48E-07	4.47E-07	2.59E-07	2.52E-07	2.29E-07	1.04E-07	1.03E-07	4.94E-09	1.19E-07	2.63E-08	3.43E-08	5.43E-08	9.58E-09	6.79E-09	2.56E-07	1.35E-07	5.72E-08	6.73E-08	2.64E-08	1.35E-07	5.72E-08
1791	495361.06	3859052	4.25E-04	4.15E-04	4.09E-04	1.47E-07	4.44E-07	2.57E-07	2.51E-07	2.28E-07	1.04E-07	1.02E-07	4.92E-09	1.19E-07	2.62E-08	3.41E-08	5.41E-08	9.53E-09	6.76E-09	2.54E-07	1.34E-07	5.69E-08	6.70E-08	2.63E-08	1.34E-07	5.69E-08
1792	495411.06	3859052	4.24E-04	4.14E-04	4.08E-04	1.47E-07	4.43E-07	2.57E-07	2.50E-07	2.27E-07	1.04E-07	1.02E-07	4.90E-09	1.18E-07	2.61E-08	3.40E-08	5.39E-08	9.50E-09	6.74E-09	2.54E-07	1.34E-07	5.68E-08	6.68E-08	2.62E-08	1.34E-07	5.68E-08
1793	495461.06	3859052	4.22E-04	4.12E-04	4.07E-04	1.46E-07	4.41E-07	2.56E-07	2.49E-07	2.26E-07	1.03E-07	1.02E-07	4.88E-09	1.18E-07	2.60E-08	3.39E-08	5.37E-08	9.47E-09	6.71E-09	2.53E-07	1.33E-07	5.66E-08	6.65E-08	2.61E-08	1.33E-07	5.66E-08
1794	495511.06	3859052	4.18E-04	4.08E-04	4.03E-04	1.45E-07	4.37E-07	2.53E-07	2.47E-07	2.24E-07	1.02E-07	1.01E-07	4.83E-09	1.17E-07	2.58E-08	3.35E-08	5.32E-08	9.37E-09	6.65E-09	2.50E-07	1.32E-07	5.60E-08	6.59E-08	2.59E-08	1.32E-07	5.60E-08
1795	495561.06	3859052	4.15E-04	4.05E-04	3.99E-04	1.44E-07	4.34E-07	2.51E-07	2.45E-07	2.22E-07	1.01E-07	1.00E-07	4.80E-09	1.16E-07	2.56E-08	3.33E-08	5.28E-08	9.30E-09	6.59E-09	2.48E-07	1.31E-07	5.56E-08	6.54E-08	2.57E-08	1.31E-07	5.56E-08
1796	495611.06	3859052	4.12E-04	4.02E-04	3.96E-04	1.42E-07	4.30E-07	2.49E-07	2.43E-07	2.20E-07	1.01E-07	9.92E-08	4.76E-09	1.15E-07	2.54E-08	3.30E-08	5.23E-08	9.22E-09	6.54E-09	2.46E-07	1.30E-07	5.51E-08	6.48E-08	2.55E-08	1.30E-07	5.51E-08
1797	495661.06	3859052	4.12E-04	4.02E-04	3.96E-04	1.42E-07	4.30E-07	2.49E-07	2.43E-07	2.20E-07	1.01E-07	9.92E-08	4.76E-09	1.15E-07	2.54E-08	3.30E-08	5.23E-08	9.22E-09	6.54E-09	2.46E-07	1.30E-07	5.51E-08	6.48E-08	2.55E-08	1.30E-07	5.51E-08
1798	494311.06	3859102	5.43E-04	5.30E-04	5.23E-04	1.88E-07	5.68E-07	3.29E-07	3.21E-07	2.91E-07	1.33E-07	1.31E-07	6.28E-09	1.52E-07	3.35E-08	4.35E-08	6.91E-08	1.22E-08	8.63E-09	3.25E-07	1.71E-07	7.27E-08	8.56E-08	3.36E-08	1.71E-07	7.27E-08
1799	494361.06	3859102	5.39E-04	5.25E-04	5.19E-04	1.86E-07	5.63E-07	3.26E-07	3.18E-07	2.88E-07	1.32E-07	1.30E-07	6.22E-09	1.50E-07	3.32E-08	4.32E-08	6.85E-08	1.21E-08	8.56E-09	3.22E-07	1.70E-07	7.21E-08	8.48E-08	3.33E-08	1.70E-07	7.21E-08
1800	494411.06	3859102	5.35E-04	5.22E-04	5.15E-04	1.85E-07	5.59E-07	3.24E-07	3.16E-07	2.86E-07	1.31E-07	1.29E-07	6.18E-09	1.49E-07	3.29E-08	4.29E-08	6.80E-08	1.20E-08	8.50E-09	3.20E-07	1.69E-07	7.16E-08	8.42E-08	3.31E-08	1.69E-07	7.16E-08
1801	494461.06	3859102	5.29E-04	5.17E-04	5.10E-04	1.83E-07	5.53E-07	3.20E-07	3.13E-07	2.83E-07	1.29E-07	1.28E-07	6.12E-09	1.48E-07	3.26E-08	4.24E-08	6.73E-08	1.19E-08	8.41E-09	3.17E-07	1.67E-07	7.09E-08	8.34E-08	3.28E-08	1.67E-07	7.09E-08
1802	494511.06	3859102	5.22E-04	5.09E-04	5.02E-04	1.81E-07	5.45E-07	3.16E-07	3.08E-07	2.79E-07	1.27E-07	1.26E-07	6.03E-09	1.46E-07	3.21E-08	4.18E-08	6.63E-08	1.17E-08	8.29E-09	3.12E-07	1.65E-07	6.98E-08	8.22E-08	3.23E-08	1.65E-07	6.98E-08
1803	494561.06	3859102	5.16E-04	5.03E-04	4.97E-04	1.79E-07	5.39E-07	3.12E-07	3.04E-07	2.76E-07	1.26E-07	1.24E-07	5.96E-09	1.44E-07	3.18E-08	4.13E-08	6.56E-08	1.16E-08	8.20E-09	3.08E-07	1.63E-07	6.91E-08	8.12E-08	3.19E-08	1.63E-07	6.91E-08
1804	494611.06	3859102	5.08E-04	4.96E-04	4.89E-04	1.76E-07	5.31E-07	3.07E-07	3.00E-07	2.72E-07	1.24E-07	1.22E-07	5.87E-09	1.42E-07	3.13E-08	4.07E-08	6.46E-08	1.14E-08	8.07E-09	3.04E-07	1.60E-07	6.80E-08	8.00E-08	3.14E-08	1.60E-07	6.80E-08
1805	494661.06	3859102	5.02E-04	4.90E-04	4.83E-04	1.74E-07	5.25E-07	3.04E-07	2.96E-07	2.69E-07	1.23E-07	1.21E-07	5.80E-09	1.40E-07	3.09E-08	4.02E-08	6.38E-08	1.13E-08	7.98E-09	3.00E-07	1.58E-07	6.72E-08	7.91E-08	3.11E-08	1.58E-07	6.72E-08
1806	494711.06	3859102	4.93E-04	4.81E-04	4.75E-04	1.71E-07	5.16E-07	2.98E-07	2.91E-07	2.64E-07	1.20E-07	1.19E-07	5.70E-09	1.38E-07	3.04E-08	3.95E-08	6.27E-08	1.11E-08	7.84E-09	2.95E-07	1.56E-07	6.61E-08	7.77E-08	3.05E-08	1.56E-07	6.61E-08
1807	494761.06	3859102	4.90E-04	4.78E-04	4.72E-04	1.70E-07	5.12E-07	2.96E-07	2.89E-07	2.62E-07	1.20E-07	1.18E-07	5.66E-09	1.37E-07	3.02E-08	3.93E-08	6.23E-08	1.10E-08	7.79E-09	2.93E-07	1.55E-07	6.56E-08	7.72E-08	3.03E-08	1.55E-07	6.56E-08
1808	494811.06	3859102	4.84E-04	4.72E-04	4.66E-04	1.67E-07	5.06E-07	2.93E-07	2.86E-07	2.59E-07	1.18E-07	1.17E-07	5.59E-09	1.35E-07	2.98E-08	3.88E-08	6.15E-08	1.08E-08	7.69E-09	2.89E-07	1.53E-07	6.48E-08	7.62E-08	2.99E-08	1.53E-07	6.48E-08
1809	494861.06	3859102	4.78E-04	4.66E-04	4.60E-04	1.65E-07	5.00E-07	2.89E-07	2.82E-07	2.56E-07	1.17E-07	1.15E-07	5.52E-09	1.33E-07	2.94E-08	3.83E-08	6.08E-08	1.07E-08	7.60E-09	2.86E-07	1.51E-07	6.40E-08	7.53E-08	2.96E-08	1.51E-07	6.40E-08
1810	494911.06	3859102	4.70E-04	4.59E-04	4.53E-04	1.63E-07	4.92E-07	2.85E-07	2.78E-07	2.52E-07	1.15E-07	1.13E-07	5.44E-09	1.31E-07	2.90E-08	3.77E-08	5.98E-08	1.05E-08	7.48E-09	2.81E-07	1.48E-07	6.30E-08	7.41E-08	2.91E-08	1.48E-07	6.30E-08
1811	494961.06	3859102	4.61E-04	4.49E-04	4.43E-04	1.59E-07	4.81E-07	2.79E-07	2.72E-07	2.46E-07	1.12E-07	1.11E-07	5.32E-09	1.29E-07	2.84E-08	3.69E-08	5.86E-08	1.03E-08	7.32E-09	2.75E-07	1.45E-07	6.17E-08	7.25E-08	2.85E-08	1.45E-07	6.17E-08
1812	495011.06	3859102	4.50E-04	4.39E-04	4.33E-04	1.56E-07	4.70E-07	2.72E-07	2.66E-07	2.41E-07	1.10E-07	1.08E-07	5.20E-09	1.26E-07	2.77E-08	3.61E-08	5.72E-08	1.01E-08	7.16E-09	2.69E-07	1.42E-07	6.03E-08	7.09E-08	2.79E-08	1.42E-07	6.03E-08
1813	495061.06	3859102	4.48E-04	4.38E-04	4.32E-04	1.55E-07	4.69E-07	2.71E-07	2.65E-07	2.40E-07	1.10E-07	1.08E-07	5.18E-09	1.25E-07	2.76E-08	3.60E-08	5.70E-08	1.01E-08	7.13E-09	2.68E-07	1.42E-07	6.01E-08	7.07E-08	2.78E-08	1.42E-07	6.01E-08
1814	495111.06	3859102	4.44E-04	4.34E-04	4.28E-04	1.54E-07	4.64E-07	2.69E-07	2.62E-07	2.38E-07	1.09E-07	1.07E-07	5.14E-09	1.24E-07	2.74E-08	3.56E-08	5.65E-08	9.96E-09	7.06E-09	2.66E-07	1.40E-07	5.95E-08	7.00E-08	2.75E-08	1.40E-07	5.95E-08
1815	495161.06	3859102	4.44E-04	4.34E-04	4.28E-04	1.54E-07	4.64E-07	2.69E-07	2.62E-07	2.38E-07	1.09E-07	1.07E-07	5.14E-09	1.24E-07	2.74E-08	3.56E-08	5.65E-08	9.96E-09	7.06E-09	2.66E-07	1.40E-07	5.95E-08	7.00E-08	2.75E-08	1.40E-07	5.95E-08
1816	495211.06	3859102	4.41E-04	4.30E-04	4.25E-04	1.53E-07	4.61E-07	2.67E-07	2.60E-07	2.36E-07	1.08E-07	1.06E-07	5.10E-09	1.23E-07	2.72E-08	3.54E-08	5.61E-08	9.88E-09	7.01E-09	2.64E-07	1.39E-07	5.91E-08	6.95E-08	2.73E-08	1.39E-07	5.91E-08
1817	495261.06	3859102	4.39E-04	4.29E-04	4.23E-04	1.52E-07	4.59E-07	2.66E-07	2.59E-07	2.35E-07	1.07E-07	1.06E-07	5.08E-09	1.23E-07	2.71E-08	3.52E-08	5.59E-08	9.85E-09	6.98E-09	2.63E-07	1.39E-07	5.88E-08	6.92E-08	2.72E-08	1.39E-07	5.88E-08
1818	495311.06	3859102	4.36E-04	4.26E-04	4.20E-04	1.51E-07	4.56E-07	2.64E-07	2.58E-07	2.34E-07	1.07E-07	1.05E-07	5.05E-09	1.22E-07	2.69E-08	3.50E-08	5.55E-08	9.78E-09	6.94E-09	2.61E-07	1.38E-07	5.84E-08	6.88E-08	2.70E-08	1.38E-07	5.84E-08
1819	495361.06	3859102	4.36E-04	4.25E-04	4.20E-04	1.51E-07	4.56E-07	2.64E-07	2.57E-07	2.33E-07	1.06E-07	1.05E-07	5.04E-09	1.22E-07	2.69E-08	3.50E-08	5.55E-08	9.77E-09	6.93E-09	2.61E-07	1.38E-07	5.84E-08	6.87E-08	2.70E-08	1.38E-07	5.84E-08
1820	495411.06	3859102	4.34E-04	4.23E-04	4.18E-04	1.50E-07	4.54E-07	2.63E-07	2.56E-07	2.32E-07	1.06E-07	1.05E-07	5.02E-09	1.21E-07	2.67E-08	3.48E-08	5.52E-08	9.73E-09	6.90E-09	2.60E-07	1.37E-07	5.81E-08	6.84E-08	2.69E-08	1.37E-07	5.81E-08
1821	495461.06	3859102	4.29E-04	4.19E-04	4.13E-04	1.49E-07	4.49E-07	2.60E-07	2.54E-07	2.30E-07	1.05E-07	1.03E-07	4.96E-09	1.20E-07	2.65E-08	3.44E-08	5.46E-08	9.62E-09	6.83E-09	2.57E-07	1.36E-07	5.75E-08	6.76E-08	2.66E-08	1.36E-07	5.75E-08
1822	495511.06	3859102	4.27E-04	4.17E-04	4.11E-04	1.48E-07	4.47E-07	2.59E-07	2.52E-07	2.29E-07	1.04E-07	1.03E-07	4.94E-09	1.19E-07	2.63E-08	3.43E-08	5.43E-08	9.58E-09	6.79E-09	2.56E-07	1.35E-07	5.72E-08	6.73E-08	2.64E-08	1.35E-07	5.72E-08
1823	495561.06	3859102	4.25E-04	4.15E-04	4.09E-04	1.47E-07	4.44E-07	2.57E-07	2.51E-07	2.27E-07	1.04E-07	1.02E-07	4.91E-09	1.19E-07	2.62E-08	3.41E-08	5.40E-08	9.52E-09	6.75E-09	2.54E-07	1.34E-07	5.69E-08	6.69E-08	2.63E-08	1.34E-07	5.69E-08
1824	495611.06	3859102	4.22E-04	4.11E-04	4.06E-04	1.46E-07	4.41E-07	2.55E-07	2.49E-07	2.26E-07	1.03E-07	1.02E-07	4.87E-09	1.18E-07	2.60E-08	3.38E-08	5.36E-08	9.45E-09	6.70E-09	2.52E-07	1.33E-07	5.64E-08	6.64E-08	2.61E-08	1.33E-07	5.64E-08
1825	495661.06	3859102	4.20E-04	4.10E-04	4.04E-04	1.45E-07	4.39E-07	2.54E-07	2.48E-07	2.25E-07	1.03E-07	1.01E-07	4.85E-09	1.17E-07	2.59E-08	3.37E-08	5.34E-08	9.41E-09	6.67E-09	2.51E-07	1.33E-07	5.62E-08	6.61E-08	2.60E-08	1.33E-07	5.62E-08
1826	494311.06	3859152	5.58E-04	5.45E-04	5.37E-04	1.93E-07	5.83E-07	3.38E-07	3.29E-07	2.99E-07	1.36E-07	1.34E-07	6.45E-09	1.56E-07	3.44E-08	4.47E-08	7.10E-08	1.25E-08	8.87E-09	3.34E-07	1.76E-07	7.47E-08	8.79E-08	3.45E-08	1.76E-07	7.47E-08
1827	494361.06	3859152	5.54E-04	5.41E-04	5.34E-04	1.92E-07	5.79E-07	3.35E-07	3.27E-07	2.97E-07	1.35E-07	1.34E-07	6.41E-09	1.55E-07	3.42E-08	4.44E-08	7.05E-08	1.24E-08	8.81E-09	3.31E-07	1.75E-07	7.42E-08	8.73E-08	3.43E-08	1.75E-07	7.42E-08
1828	494411.06	3859152	5.48E-04	5.35E-04	5.28E-04	1.90E-07	5.73E-07	3.32E-07	3.24E-07	2.93E-07	1.34E-07	1.32E-07	6.34E-09	1.53E-07	3.38E-08	4.39E-08	6.97E-08	1.23E-08	8.71E-09	3.28E-07	1.73E-07	7.34E-08	8.63E-08	3.39E-08	1.73E-07	7.34E-08
1829	494461.06	3859152	5.41E-04	5.28E-04	5.21E-04	1.87E-07	5.66E-07	3.28E-07	3.20E-07	2.90E-07	1.32E-07	1.30E-07	6.26E-09	1.51E-07	3.34E-08	4.34E-08	6.89E-08	1.21E-08	8.61E-09	3.24E-07	1.71E-07	7.25E-08	8.53E-08	3.35E-08	1.71E-07	7.25E-08
1830	494511.06	3859152	5.34E-04	5.21E-04	5.14E-04	1.85E-07	5.58E-07	3.23E-07	3.15E-07	2.86E-07	1.30E-07	1.29E-07	6.17E-09	1.49E-07	3.29E-08	4.28E-08	6.78E-08	1.20E-08	8.48E-09	3.19E-07	1.68E-07	7.14E-08	8.40E-08	3.30E-08	1.68E-07	7.14E-08
1831	494561.06	3859152	5.28E-04	5.15E-04	5.08E-04	1.83E-07	5.52E-07	3.19E-07	3.12E-07	2.82E-07	1.29E-07	1.27E-07	6.10E-09	1.47E-07	3.25E-08	4.23E-08	6.71E-08	1.18E-08	8.39E-09	3.16E-07	1.67E-07	7.07E-08	8.31E-08	3.27E-08	1.67E-07	7.07E-08
1832	494611.06	3859152	5.20E-04	5.07E-04	5.01E-04	1.80E-07	5.43E-07	3.15E-07	3.07E-07	2.78E-07	1.27E-07	1.25E-07	6.01E-09	1.45E-07	3.20E-08	4.17E-08	6.61E-08	1.17E-08	8.26E-09	3.11E-07	1.64E-07	6.96E-08	8.19E-08	3.22E-08	1.64E-07	6.96E-08
1833	494661.06	3859152	5.14E-04	5.02E-04	4.95E-04	1.78E-07	5.38E-07	3.11E-07	3.04E-07	2.75E-07	1.26E-07	1.24E-07	5.95E-09	1.44E-07	3.17E-08	4.12E-08	6.54E-08	1.15E-08	8.18E-09	3.08E-07	1.62E-07	6.89E-08	8.10E-08	3.18E-08	1.62E-07	6.89E-08
1834	494711.06	3859152	5.09E-04	4.97E-04	4.91E-04	1.76E-07	5.33E-07	3.08E-07	3.01E-07	2.73E-07	1.24E-07	1.23E-07	5.89E-09	1.42E-07	3.14E-08	4.08E-08	6.48E-08	1.14E-08	8.10E-09	3.05E-07	1.61E-07	6.82E-08	8.03E-08	3.15E-08	1.61E-07	6.82E-08
1835	494761.06	3859152	5.01E-04	4.89E-04	4.83E-04	1.73E-07	5.24E-07	3.03E-07	2.96E-07	2.68E-07	1.22E-07	1.21E-07	5.79E-09	1.40E-07	3.09E-08	4.02E-08	6.37E-08	1.12E-08	7.97E-09	3.00E-07	1.58E-07	6.71E-08	7.90E-08	3.10E-08	1.58E-07	6.71E-08
1836	494811.06	3859152	4.94E-04	4.82E-04	4.76E-04	1.71E-07	5.16E-07	2.99E-07	2.92E-07	2.64E-07	1.21E-07	1.19E-07	5.71E-09	1.38E-07	3.04E-08	3.96E-08	6.28E-08	1.11E-08	7.85E-09	2.96E-07	1.56E-07	6.62E-08	7.78E-08	3.06E-08	1.56E-07	6.62E-08
1837	494861.06	3859152	4.89E-04	4.77E-04	4.71E-04	1.69E-07	5.11E-07	2.96E-07	2.89E-07	2.62E-07	1.19E-07	1.18E-07	5.65E-09	1.37E-07	3.01E-08	3.92E-08	6.22E-08	1.10E-08	7.77E-09	2.93E-07	1.54E-07	6.55E-08	7.71E-08	3.03E-08	1.54E-07	6.55E-08
1838	494911.06	3859152	4.80E-04	4.69E-04	4.63E-04	1.66E-07	5.02E-07	2.91E-07	2.84E-07	2.57E-07	1.17E-07	1.16E-07	5.55E-09	1.34E-07	2.96E-08	3.85E-08	6.11E-08	1.08E-08	7.64E-09	2.87E-07	1.52E-07	6.43E-08	7.57E-08	2.97E-08	1.52E-07	6.43E-08
1839	494961.06	3859152	4.69E-04	4.58E-04	4.52E-04	1.62E-07	4.90E-07	2.84E-07	2.77E-07	2.51E-07	1.15E-07	1.13E-07	5.42E-09	1.31E-07	2.89E-08	3.76E-08	5.97E-08	1.05E-08	7.46E-09	2.81E-07	1.48E-07	6.28E-08	7.39E-08	2.90E-08	1.48E-07	6.28E-08
1840	495011.06	3859152	4.61E-04	4.49E-04	4.43E-04	1.59E-07	4.81E-07	2.79E-07	2.72E-07	2.46E-07	1.12E-07	1.11E-07	5.32E-09	1.29E-07	2.84E-08	3.69E-08	5.86E-08	1.03E-08	7.32E-09	2.75E-07	1.45E-07	6.17E-08	7.25E-08	2.85E-08	1.45E-07	6.17E-08
1841	495061.06	3859152	4.58E-04	4.47E-04	4.41E-04	1.59E-07	4.79E-07	2.77E-07	2.70E-07	2.45E-07	1.12E-07	1.10E-07	5.29E-09	1.28E-07	2.82E-08	3.67E-08	5.82E-08	1.03E-08	7.28E-09	2.74E-07	1.45E-07	6.13E-08	7.22E-08	2.83E-08	1.45E-07	6.13E-08
1842	495111.06	3859152	4.55E-04	4.44E-04	4.38E-04	1.58E-07	4.76E-07	2.75E-07	2.69E-07	2.44E-07	1.11E-07	1.10E-07	5.26E-09	1.27E-07	2.80E-08	3.65E-08	5.79E-08	1.02E-08	7.23E-09	2.72E-07	1.44E-07	6.09E-08	7.17E-08	2.82E-08	1.44E-07	6.09E-08
1843	495161.06	3859152	4.55E-04	4.44E-04	4.38E-04	1.58E-07	4.76E-07	2.75E-07	2.69E-07	2.44E-07	1.11E-07	1.10E-07	5.26E-09	1.27E-07	2.80E-08	3.65E-08	5.79E-08	1.02E-08	7.23E-09	2.72E-07	1.44E-07	6.09E-08	7.17E-08	2.82E-08	1.44E-07	6.09E-08

1844	495211.06	3859152	4.52E-04	4.41E-04	4.35E-04	1.56E-07	4.72E-07	2.73E-07	2.67E-07	2.42E-07	1.10E-07	1.09E-07	5.22E-09	1.26E-07	2.78E-08	3.62E-08	5.75E-08	1.01E-08	7.18E-09	2.70E-07	1.43E-07	6.05E-08	7.12E-08	2.80E-08	1.43E-07	6.05E-08
1845	495261.06	3859152	4.49E-04	4.38E-04	4.33E-04	1.56E-07	4.70E-07	2.72E-07	2.65E-07	2.40E-07	1.10E-07	1.08E-07	5.19E-09	1.25E-07	2.77E-08	3.60E-08	5.71E-08	1.01E-08	7.14E-09	2.69E-07	1.42E-07	6.02E-08	7.08E-08	2.78E-08	1.42E-07	6.02E-08
1846	495311.06	3859152	4.47E-04	4.36E-04	4.30E-04	1.55E-07	4.67E-07	2.70E-07	2.64E-07	2.39E-07	1.09E-07	1.08E-07	5.17E-09	1.25E-07	2.75E-08	3.58E-08	5.68E-08	1.00E-08	7.10E-09	2.67E-07	1.41E-07	5.98E-08	7.04E-08	2.77E-08	1.41E-07	5.98E-08
1847	495361.06	3859152	4.44E-04	4.34E-04	4.28E-04	1.54E-07	4.64E-07	2.69E-07	2.62E-07	2.38E-07	1.09E-07	1.07E-07	5.14E-09	1.24E-07	2.74E-08	3.56E-08	5.65E-08	9.96E-09	7.06E-09	2.66E-07	1.40E-07	5.95E-08	7.00E-08	2.75E-08	1.40E-07	5.95E-08
1848	495411.06	3859152	4.44E-04	4.34E-04	4.28E-04	1.54E-07	4.64E-07	2.69E-07	2.62E-07	2.38E-07	1.09E-07	1.07E-07	5.14E-09	1.24E-07	2.74E-08	3.56E-08	5.65E-08	9.96E-09	7.06E-09	2.66E-07	1.40E-07	5.95E-08	7.00E-08	2.75E-08	1.40E-07	5.95E-08
1849	495461.06	3859152	4.42E-04	4.31E-04	4.25E-04	1.53E-07	4.62E-07	2.67E-07	2.61E-07	2.36E-07	1.08E-07	1.06E-07	5.11E-09	1.23E-07	2.72E-08	3.54E-08	5.62E-08	9.90E-09	7.02E-09	2.64E-07	1.39E-07	5.92E-08	6.96E-08	2.73E-08	1.39E-07	5.92E-08
1850	495511.06	3859152	4.38E-04	4.28E-04	4.22E-04	1.52E-07	4.58E-07	2.65E-07	2.59E-07	2.34E-07	1.07E-07	1.06E-07	5.06E-09	1.22E-07	2.70E-08	3.51E-08	5.57E-08	9.82E-09	6.96E-09	2.62E-07	1.38E-07	5.87E-08	6.90E-08	2.71E-08	1.38E-07	5.87E-08
1851	495561.06	3859152	4.35E-04	4.24E-04	4.19E-04	1.51E-07	4.54E-07	2.63E-07	2.57E-07	2.33E-07	1.06E-07	1.05E-07	5.03E-09	1.21E-07	2.68E-08	3.49E-08	5.53E-08	9.74E-09	6.91E-09	2.60E-07	1.37E-07	5.82E-08	6.85E-08	2.69E-08	1.37E-07	5.82E-08
1852	495611.06	3859152	4.31E-04	4.21E-04	4.15E-04	1.49E-07	4.51E-07	2.61E-07	2.55E-07	2.31E-07	1.05E-07	1.04E-07	4.99E-09	1.20E-07	2.66E-08	3.46E-08	5.49E-08	9.67E-09	6.86E-09	2.58E-07	1.36E-07	5.78E-08	6.80E-08	2.67E-08	1.36E-07	5.78E-08
1853	495661.06	3859152	4.29E-04	4.19E-04	4.13E-04	1.48E-07	4.48E-07	2.60E-07	2.53E-07	2.30E-07	1.05E-07	1.03E-07	4.96E-09	1.20E-07	2.64E-08	3.44E-08	5.46E-08	9.61E-09	6.82E-09	2.57E-07	1.35E-07	5.74E-08	6.76E-08	2.65E-08	1.35E-07	5.74E-08
1854	494311.06	3859202	5.74E-04	5.60E-04	5.53E-04	1.99E-07	6.00E-07	3.47E-07	3.39E-07	3.07E-07	1.40E-07	1.38E-07	6.64E-09	1.60E-07	3.54E-08	4.60E-08	7.30E-08	1.29E-08	9.13E-09	3.43E-07	1.81E-07	7.69E-08	9.05E-08	3.55E-08	1.81E-07	7.69E-08
1855	494361.06	3859202	5.69E-04	5.55E-04	5.48E-04	1.97E-07	5.95E-07	3.44E-07	3.36E-07	3.05E-07	1.39E-07	1.37E-07	6.58E-09	1.59E-07	3.51E-08	4.56E-08	7.24E-08	1.28E-08	9.05E-09	3.40E-07	1.80E-07	7.62E-08	8.97E-08	3.52E-08	1.80E-07	7.62E-08
1856	494411.06	3859202	5.63E-04	5.49E-04	5.42E-04	1.95E-07	5.88E-07	3.40E-07	3.32E-07	3.01E-07	1.37E-07	1.36E-07	6.50E-09	1.57E-07	3.47E-08	4.51E-08	7.15E-08	1.26E-08	8.94E-09	3.36E-07	1.78E-07	7.53E-08	8.86E-08	3.48E-08	1.78E-07	7.53E-08
1857	494461.06	3859202	5.54E-04	5.41E-04	5.34E-04	1.92E-07	5.79E-07	3.35E-07	3.27E-07	2.97E-07	1.35E-07	1.34E-07	6.41E-09	1.55E-07	3.42E-08	4.44E-08	7.05E-08	1.24E-08	8.81E-09	3.31E-07	1.75E-07	7.42E-08	8.73E-08	3.43E-08	1.75E-07	7.42E-08
1858	494511.06	3859202	5.48E-04	5.35E-04	5.28E-04	1.90E-07	5.73E-07	3.32E-07	3.24E-07	2.93E-07	1.34E-07	1.32E-07	6.34E-09	1.53E-07	3.38E-08	4.39E-08	6.97E-08	1.23E-08	8.71E-09	3.28E-07	1.73E-07	7.34E-08	8.63E-08	3.39E-08	1.73E-07	7.34E-08
1859	494561.06	3859202	5.40E-04	5.27E-04	5.20E-04	1.87E-07	5.64E-07	3.27E-07	3.19E-07	2.89E-07	1.32E-07	1.30E-07	6.24E-09	1.51E-07	3.33E-08	4.33E-08	6.86E-08	1.21E-08	8.58E-09	3.23E-07	1.70E-07	7.23E-08	8.50E-08	3.34E-08	1.70E-07	7.23E-08
1860	494611.06	3859202	5.33E-04	5.20E-04	5.13E-04	1.84E-07	5.57E-07	3.22E-07	3.15E-07	2.85E-07	1.30E-07	1.28E-07	6.16E-09	1.49E-07	3.28E-08	4.27E-08	6.77E-08	1.19E-08	8.47E-09	3.19E-07	1.68E-07	7.13E-08	8.39E-08	3.30E-08	1.68E-07	7.13E-08
1861	494661.06	3859202	5.27E-04	5.14E-04	5.07E-04	1.82E-07	5.51E-07	3.19E-07	3.11E-07	2.82E-07	1.29E-07	1.27E-07	6.09E-09	1.47E-07	3.25E-08	4.22E-08	6.70E-08	1.18E-08	8.38E-09	3.15E-07	1.66E-07	7.06E-08	8.30E-08	3.26E-08	1.66E-07	7.06E-08
1862	494711.06	3859202	5.21E-04	5.08E-04	5.01E-04	1.80E-07	5.44E-07	3.15E-07	3.07E-07	2.79E-07	1.27E-07	1.25E-07	6.02E-09	1.45E-07	3.21E-08	4.17E-08	6.62E-08	1.17E-08	8.28E-09	3.11E-07	1.64E-07	6.97E-08	8.20E-08	3.22E-08	1.64E-07	6.97E-08
1863	494761.06	3859202	5.12E-04	5.00E-04	4.93E-04	1.77E-07	5.36E-07	3.10E-07	3.03E-07	2.74E-07	1.25E-07	1.23E-07	5.92E-09	1.43E-07	3.16E-08	4.11E-08	6.52E-08	1.15E-08	8.14E-09	3.06E-07	1.62E-07	6.86E-08	8.07E-08	3.17E-08	1.62E-07	6.86E-08
1864	494811.06	3859202	5.05E-04	4.93E-04	4.87E-04	1.75E-07	5.28E-07	3.06E-07	2.98E-07	2.70E-07	1.23E-07	1.22E-07	5.84E-09	1.41E-07	3.11E-08	4.05E-08	6.43E-08	1.13E-08	8.03E-09	3.02E-07	1.59E-07	6.77E-08	7.96E-08	3.13E-08	1.59E-07	6.77E-08
1865	494861.06	3859202	4.97E-04	4.85E-04	4.78E-04	1.72E-07	5.19E-07	3.00E-07	2.93E-07	2.66E-07	1.21E-07	1.20E-07	5.74E-09	1.39E-07	3.06E-08	3.98E-08	6.32E-08	1.11E-08	7.89E-09	2.97E-07	1.57E-07	6.65E-08	7.82E-08	3.07E-08	1.57E-07	6.65E-08
1866	494911.06	3859202	4.89E-04	4.77E-04	4.71E-04	1.69E-07	5.11E-07	2.96E-07	2.89E-07	2.62E-07	1.19E-07	1.18E-07	5.65E-09	1.36E-07	3.01E-08	3.92E-08	6.22E-08	1.10E-08	7.77E-09	2.92E-07	1.54E-07	6.54E-08	7.70E-08	3.02E-08	1.54E-07	6.54E-08
1867	494961.06	3859202	4.79E-04	4.68E-04	4.61E-04	1.66E-07	5.01E-07	2.90E-07	2.83E-07	2.56E-07	1.17E-07	1.15E-07	5.54E-09	1.34E-07	2.95E-08	3.84E-08	6.09E-08	1.07E-08	7.62E-09	2.87E-07	1.51E-07	6.42E-08	7.55E-08	2.97E-08	1.51E-07	6.42E-08
1868	495011.06	3859202	4.68E-04	4.56E-04	4.50E-04	1.62E-07	4.89E-07	2.83E-07	2.76E-07	2.50E-07	1.14E-07	1.13E-07	5.40E-09	1.31E-07	2.88E-08	3.75E-08	5.95E-08	1.05E-08	7.43E-09	2.80E-07	1.48E-07	6.26E-08	7.37E-08	2.89E-08	1.48E-07	6.26E-08
1869	495061.06	3859202	4.70E-04	4.58E-04	4.52E-04	1.63E-07	4.91E-07	2.84E-07	2.77E-07	2.51E-07	1.15E-07	1.13E-07	5.43E-09	1.31E-07	2.89E-08	3.76E-08	5.97E-08	1.05E-08	7.47E-09	2.81E-07	1.48E-07	6.29E-08	7.40E-08	2.91E-08	1.48E-07	6.29E-08
1870	495111.06	3859202	4.68E-04	4.56E-04	4.50E-04	1.62E-07	4.89E-07	2.83E-07	2.76E-07	2.50E-07	1.14E-07	1.13E-07	5.40E-09	1.31E-07	2.88E-08	3.75E-08	5.95E-08	1.05E-08	7.43E-09	2.80E-07	1.48E-07	6.26E-08	7.37E-08	2.89E-08	1.48E-07	6.26E-08
1871	495161.06	3859202	4.65E-04	4.54E-04	4.48E-04	1.61E-07	4.86E-07	2.81E-07	2.75E-07	2.49E-07	1.14E-07	1.12E-07	5.38E-09	1.30E-07	2.87E-08	3.73E-08	5.91E-08	1.04E-08	7.39E-09	2.78E-07	1.47E-07	6.23E-08	7.33E-08	2.88E-08	1.47E-07	6.23E-08
1872	495211.06	3859202	4.61E-04	4.50E-04	4.44E-04	1.60E-07	4.82E-07	2.79E-07	2.72E-07	2.47E-07	1.13E-07	1.11E-07	5.33E-09	1.29E-07	2.84E-08	3.70E-08	5.87E-08	1.03E-08	7.33E-09	2.76E-07	1.46E-07	6.18E-08	7.27E-08	2.86E-08	1.46E-07	6.18E-08
1873	495261.06	3859202	4.60E-04	4.49E-04	4.43E-04	1.59E-07	4.80E-07	2.78E-07	2.71E-07	2.46E-07	1.12E-07	1.11E-07	5.31E-09	1.28E-07	2.83E-08	3.69E-08	5.85E-08	1.03E-08	7.31E-09	2.75E-07	1.45E-07	6.16E-08	7.24E-08	2.84E-08	1.45E-07	6.16E-08
1874	495311.06	3859202	4.58E-04	4.47E-04	4.41E-04	1.58E-07	4.78E-07	2.77E-07	2.70E-07	2.45E-07	1.12E-07	1.10E-07	5.29E-09	1.28E-07	2.82E-08	3.67E-08	5.82E-08	1.03E-08	7.27E-09	2.74E-07	1.44E-07	6.13E-08	7.21E-08	2.83E-08	1.44E-07	6.13E-08
1875	495361.06	3859202	4.55E-04	4.44E-04	4.38E-04	1.58E-07	4.76E-07	2.75E-07	2.69E-07	2.44E-07	1.11E-07	1.10E-07	5.26E-09	1.27E-07	2.80E-08	3.65E-08	5.79E-08	1.02E-08	7.23E-09	2.72E-07	1.44E-07	6.09E-08	7.17E-08	2.82E-08	1.44E-07	6.09E-08
1876	495411.06	3859202	4.54E-04	4.43E-04	4.37E-04	1.57E-07	4.75E-07	2.75E-07	2.68E-07	2.43E-07	1.11E-07	1.09E-07	5.25E-09	1.27E-07	2.80E-08	3.64E-08	5.78E-08	1.02E-08	7.22E-09	2.72E-07	1.43E-07	6.08E-08	7.16E-08	2.81E-08	1.43E-07	6.08E-08
1877	495461.06	3859202	4.52E-04	4.41E-04	4.35E-04	1.56E-07	4.72E-07	2.73E-07	2.67E-07	2.42E-07	1.10E-07	1.09E-07	5.22E-09	1.26E-07	2.78E-08	3.62E-08	5.75E-08	1.01E-08	7.18E-09	2.70E-07	1.43E-07	6.05E-08	7.12E-08	2.80E-08	1.43E-07	6.05E-08
1878	495511.06	3859202	4.49E-04	4.38E-04	4.32E-04	1.55E-07	4.69E-07	2.72E-07	2.65E-07	2.40E-07	1.10E-07	1.08E-07	5.19E-09	1.25E-07	2.77E-08	3.60E-08	5.71E-08	1.01E-08	7.14E-09	2.68E-07	1.42E-07	6.01E-08	7.07E-08	2.78E-08	1.42E-07	6.01E-08
1879	495561.06	3859202	4.44E-04	4.34E-04	4.28E-04	1.54E-07	4.64E-07	2.69E-07	2.62E-07	2.38E-07	1.09E-07	1.07E-07	5.14E-09	1.24E-07	2.74E-08	3.56E-08	5.65E-08	9.96E-09	7.06E-09	2.66E-07	1.40E-07	5.95E-08	7.00E-08	2.75E-08	1.40E-07	5.95E-08
1880	495611.06	3859202	4.41E-04	4.30E-04	4.24E-04	1.53E-07	4.61E-07	2.67E-07	2.60E-07	2.36E-07	1.08E-07	1.06E-07	5.09E-09	1.23E-07	2.71E-08	3.53E-08	5.60E-08	9.87E-09	7.00E-09	2.63E-07	1.39E-07	5.90E-08	6.94E-08	2.73E-08	1.39E-07	5.90E-08
1881	495661.06	3859202	4.38E-04	4.28E-04	4.22E-04	1.52E-07	4.58E-07	2.65E-07	2.59E-07	2.34E-07	1.07E-07	1.06E-07	5.06E-09	1.22E-07	2.70E-08	3.51E-08	5.57E-08	9.82E-09	6.96E-09	2.62E-07	1.38E-07	5.87E-08	6.90E-08	2.71E-08	1.38E-07	5.87E-08
1882	494311.06	3859252	5.90E-04	5.76E-04	5.68E-04	2.04E-07	6.17E-07	3.57E-07	3.48E-07	3.16E-07	1.44E-07	1.42E-07	6.82E-09	1.65E-07	3.63E-08	4.73E-08	7.50E-08	1.32E-08	9.38E-09	3.53E-07	1.86E-07	7.90E-08	9.29E-08	3.65E-08	1.86E-07	7.90E-08
1883	494361.06	3859252	5.83E-04	5.69E-04	5.62E-04	2.02E-07	6.10E-07	3.53E-07	3.44E-07	3.12E-07	1.42E-07	1.41E-07	6.74E-09	1.63E-07	3.59E-08	4.68E-08	7.42E-08	1.31E-08	9.27E-09	3.49E-07	1.84E-07	7.81E-08	9.19E-08	3.61E-08	1.84E-07	7.81E-08
1884	494411.06	3859252	5.74E-04	5.60E-04	5.53E-04	1.99E-07	6.00E-07	3.47E-07	3.39E-07	3.07E-07	1.40E-07	1.38E-07	6.64E-09	1.60E-07	3.54E-08	4.60E-08	7.30E-08	1.29E-08	9.13E-09	3.43E-07	1.81E-07	7.69E-08	9.05E-08	3.55E-08	1.81E-07	7.69E-08
1885	494461.06	3859252	5.68E-04	5.55E-04	5.47E-04	1.97E-07	5.94E-07	3.44E-07	3.36E-07	3.04E-07	1.39E-07	1.37E-07	6.57E-09	1.59E-07	3.50E-08	4.56E-08	7.23E-08	1.27E-08	9.03E-09	3.40E-07	1.79E-07	7.61E-08	8.95E-08	3.52E-08	1.79E-07	7.61E-08
1886	494511.06	3859252	5.58E-04	5.45E-04	5.37E-04	1.93E-07	5.83E-07	3.38E-07	3.29E-07	2.99E-07	1.36E-07	1.34E-07	6.45E-09	1.56E-07	3.44E-08	4.47E-08	7.10E-08	1.25E-08	8.87E-09	3.34E-07	1.76E-07	7.47E-08	8.79E-08	3.45E-08	1.76E-07	7.47E-08
1887	494561.06	3859252	5.52E-04	5.38E-04	5.31E-04	1.91E-07	5.77E-07	3.34E-07	3.26E-07	2.95E-07	1.35E-07	1.33E-07	6.38E-09	1.54E-07	3.40E-08	4.42E-08	7.02E-08	1.24E-08	8.77E-09	3.30E-07	1.74E-07	7.39E-08	8.69E-08	3.41E-08	1.74E-07	7.39E-08
1888	494611.06	3859252	5.44E-04	5.31E-04	5.24E-04	1.88E-07	5.68E-07	3.29E-07	3.21E-07	2.91E-07	1.33E-07	1.31E-07	6.29E-09	1.52E-07	3.35E-08	4.36E-08	6.92E-08	1.22E-08	8.65E-09	3.25E-07	1.72E-07	7.28E-08	8.57E-08	3.37E-08	1.72E-07	7.28E-08
1889	494661.06	3859252	5.39E-04	5.26E-04	5.19E-04	1.87E-07	5.63E-07	3.26E-07	3.18E-07	2.88E-07	1.32E-07	1.30E-07	6.23E-09	1.50E-07	3.32E-08	4.32E-08	6.85E-08	1.21E-08	8.57E-09	3.22E-07	1.70E-07	7.22E-08	8.49E-08	3.34E-08	1.70E-07	7.22E-08
1890	494711.06	3859252	5.33E-04	5.20E-04	5.13E-04	1.84E-07	5.57E-07	3.22E-07	3.15E-07	2.85E-07	1.30E-07	1.28E-07	6.16E-09	1.49E-07	3.28E-08	4.27E-08	6.77E-08	1.19E-08	8.47E-09	3.19E-07	1.68E-07	7.13E-08	8.39E-08	3.30E-08	1.68E-07	7.13E-08
1891	494761.06	3859252	5.19E-04	5.07E-04	5.00E-04	1.80E-07	5.43E-07	3.14E-07	3.07E-07	2.78E-07	1.27E-07	1.25E-07	6.00E-09	1.45E-07	3.20E-08	4.16E-08	6.61E-08	1.16E-08	8.26E-09	3.11E-07	1.64E-07	6.96E-08	8.18E-08	3.21E-08	1.64E-07	6.96E-08
1892	494811.06	3859252	5.17E-04	5.05E-04	4.98E-04	1.79E-07	5.41E-07	3.13E-07	3.05E-07	2.77E-07	1.26E-07	1.25E-07	5.98E-09	1.44E-07	3.19E-08	4.15E-08	6.58E-08	1.16E-08	8.22E-09	3.09E-07	1.63E-07	6.93E-08	8.15E-08	3.20E-08	1.63E-07	6.93E-08
1893	494861.06	3859252	5.04E-04	4.92E-04	4.86E-04	1.75E-07	5.27E-07	3.05E-07	2.98E-07	2.70E-07	1.23E-07	1.22E-07	5.83E-09	1.41E-07	3.11E-08	4.04E-08	6.42E-08	1.13E-08	8.02E-09	3.02E-07	1.59E-07	6.76E-08	7.95E-08	3.12E-08	1.59E-07	6.76E-08
1894	494911.06	3859252	4.97E-04	4.85E-04	4.79E-04	1.72E-07	5.19E-07	3.01E-07	2.93E-07	2.66E-07	1.21E-07	1.20E-07	5.75E-09	1.39E-07	3.06E-08	3.98E-08	6.32E-08	1.11E-08	7.90E-09	2.97E-07	1.57E-07	6.66E-08	7.83E-08	3.08E-08	1.57E-07	6.66E-08
1895	494961.06	3859252	4.91E-04	4.79E-04	4.73E-04	1.70E-07	5.13E-07	2.97E-07	2.90E-07	2.63E-07	1.20E-07	1.18E-07	5.67E-09	1.37E-07	3.02E-08	3.93E-08	6.24E-08	1.10E-08	7.80E-09	2.94E-07	1.55E-07	6.57E-08	7.73E-08	3.04E-08	1.55E-07	6.57E-08
1896	495011.06	3859252	4.85E-04	4.73E-04	4.67E-04	1.68E-07	5.06E-07	2.93E-07	2.86E-07	2.59E-07	1.18E-07	1.17E-07	5.60E-09	1.35E-07	2.99E-08	3.88E-08	6.16E-08	1.09E-08	7.70E-09	2.90E-07	1.53E-07	6.49E-08	7.63E-08	3.00E-08	1.53E-07	6.49E-08
1897	495061.06	3859252	4.83E-04	4.71E-04	4.65E-04	1.67E-07	5.05E-07	2.92E-07	2.85E-07	2.58E-07	1.18E-07	1.16E-07	5.58E-09	1.35E-07	2.98E-08	3.87E-08	6.14E-08	1.08E-08	7.68E-09	2.89E-07	1.52E-07	6.47E-08	7.61E-08	2.99E-08	1.52E-07	6.47E-08
1898	495111.06	3859252	4.80E-04	4.68E-04	4.62E-04	1.66E-07	5.01E-07	2.90E-07	2.83E-07	2.57E-07	1.17E-07	1.16E-07	5.54E-09	1.34E-07	2.95E-08	3.84E-08	6.10E-08	1.07E-08	7.62E-09	2.87E-07	1.51E-07	6.42E-08	7.56E-08	2.97E-08	1.51E-07	6.42E-08
1899	495161.06	3859252	4.77E-04	4.65E-04	4.59E-04	1.65E-07	4.98E-07	2.88E-07	2.81E-07	2.55E-07	1.16E-07	1.15E-07	5.51E-09	1.33E-07	2.94E-08	3.82E-08	6.06E-08	1.07E-08	7.58E-09	2.85E-07	1.50E-07	6.38E-08	7.51E-08	2.95E-08	1.50E-07	6.38E-08
1900	495211.06	3859252	4.73E-04	4.62E-04	4.55E-04	1.64E-07	4.94E-07	2.86E-07	2.79E-07	2.53E-07	1.16E-07	1.14E-07	5.47E-09	1.32E-07	2.91E-08	3.79E-08	6.01E-08	1.06E-08	7.52E-09	2.83E-07	1.49E-07	6.33E-08	7.45E-08	2.93E-08	1.49E-07	6.33E-08
1901	495261.06	3859252	4.69E-04	4.58E-04	4.52E-04	1.62E-07	4.90E-07	2.84E-07	2.77E-07	2.51E-07	1.15E-07	1.13E-07	5.42E-09	1.31E-07	2.89E-08	3.76E-08	5.97E-08	1.05E-08	7.46E-09	2.81E-07	1.48E-07	6.28E-08	7.39E-08	2.90E-08	1.48E-07	6.28E-08
1902	495311.06	3859252	4.69E-04	4.57E-04	4.51E-04	1.62E-07	4.90E-07	2.84E-07	2.77E-07	2.51E-07	1.14E-07	1.13E-07	5.42E-09	1.31E-07	2.89E-08	3.76E-08	5.96E-08	1.05E-08	7.45E-09	2.80E-07	1.48E-07	6.28E-08	7.39E-08	2.90E-08	1.48E-07	6.28E-08
1903	495361.06	3859252	4.66E-04	4.55E-04	4.49E-04	1.61E-07	4.87E-07	2.82E-07	2.75E-07	2.49E-07	1.14E-07	1.12E-07	5.39E-09	1.30E-07	2.87E-08	3.73E-08	5.92E-08	1.04E-08	7.41E-09	2.79E-07	1.47E-07	6.24E-08	7.34E-08	2.88E-08	1.47E-07	6.24E-08
1904	495411.06	3859252	4.65E-04	4.54E-04	4.48E-04	1.61E-07	4.86E-07	2.81E-07	2.75E-07	2.49E-07	1.14E-07	1.12E-07	5.38E-09	1.30E-07	2.87E-08	3.73E-08	5.91E-08	1.04E-08	7.39E-09	2.78E-07	1.47E-07	6.23E-08	7.33E-08	2.88E-08	1.47E-07	6.23E-08
1905	495461.06	3859252	4.62E-04	4.51E-04	4.45E-04	1.60E-07	4.83E-07	2.80E-07	2.73E-07	2.47E-07	1.13E-07	1.11E-07	5.34E-09	1.29E-07	2.85E-08	3.70E-08	5.88E-08	1.04E-08	7.35E-09	2.76E-07	1.46E-07	6.19E-08	7.28E-08	2.86E-08	1.46E-07	6.19E-08
1906	495511.06	3859252	4.58E-04	4.47E-04	4.41E-04	1.58E-07	4.78E-07	2.77E-07	2.70E-07	2.45E-07	1.12E-07	1.10E-07	5.29E-09	1.28E-07	2.82E-08	3.67E-08	5.82E-08	1.03E-08	7.27E-09	2.74E-07	1.44E-07	6.13E-08	7.21E-08	2.83E-08	1.44E-07	6.13E-08
1907	495561.06	3859252	4.54E-04	4.43E-04	4.37E-04	1.57E-07	4.75E-07	2.75E-07	2.68E-07	2.43E-07	1.11E-07	1.09E-07	5.25E-09	1.27E-07	2.80E-08	3.64E-08	5.78E-08	1.02E-08	7.22E-09	2.72E-07	1.43E-07	6.08E-08	7.16E-08	2.81E-08	1.43E-07	6.08E-08
1908	495611.06	3859252	4.50E-04	4.39E-04	4.33E-04	1.56E-07	4.70E-07	2.72E-07	2.66E-07	2.41E-07	1.10E-07	1.08E-07	5.20E-09	1.26E-07	2.77E-08	3.61E-08	5.72E-08	1.01E-08	7.15E-09	2.69E-07	1.42E-07	6.02E-08	7.08E-08	2.78E-08	1.42E-07	6.02E-08
1909	495661.06	3859252	4.47E-04	4.36E-04	4.30E-04	1.55E-07	4.67E-07	2.70E-07	2.64E-07	2.39E-07	1.09E-07	1.08E-07	5.17E-09	1.25E-07	2.75E-08	3.58E-08	5.68E-08	1.00E-08	7.10E-09	2.67E-07	1.41E-07	5.98E-08	7.04E-08	2.77E-08	1.41E-07	5.98E-08
1910	494311.06	3859302	6.06E-04	5.91E-04	5.84E-04	2.10E-07	6.34E-07	3.67E-07	3.58E-07	3.24E-07	1.48E-07	1.46E-07	7.01E-09	1.69E-07	3.73E-08	4.86E-08	7.71E-08	1.36E-08	9.63E-09	3.62E-07	1.91E-07	8.12E-08	9.55E-08	3.75E-08	1.91E-07	8.12E-08
1911	494361.06	3859302	5.98E-04	5.84E-04	5.76E-04	2.07E-07	6.25E-07	3.62E-07	3.53E-07	3.20E-07	1.46E-07	1.44E-07	6.92E-09	1.67E-07	3.69E-08	4.80E-08	7.61E-08	1.34E-08	9.51E-09	3.58E-07	1.89E-07	8.01E-08	9.42E-08	3.70E-08	1.89E-07	8.01E-08
1912	494411.06	3859302	5.89E-04	5.75E-04	5.67E-04	2.04E-07	6.16E-07	3.56E-07	3.48E-07	3.15E-07	1.44E-07	1.42E-07	6.81E-09	1.64E-07	3.63E-08	4.72E-08	7.49E-08	1.32E-08	9.36E-09	3.52E-07	1.86E-07	7.89E-08	9.28E-08	3.65E-08	1.86E-07	7.89E-08
1913	494461.06	3859302	5.80E-04	5.66E-04	5.58E-04	2.01E-07	6.06E-07	3.51E-07	3.42E-07	3.10E-07	1.42E-07	1.40E-07	6.70E-09	1.62E-07	3.57E-08	4.65E-08	7.38E-08	1.30E-08	9.22E-09	3.47E-07	1.83E-07	7.77E-08	9.14E-08	3.59E-08	1.83E-07	7.77E-08
1914	494511.06	3859302	5.72E-04	5.58E-04	5.50E-04	1.98E-07	5.98E-07	3.46E-07	3.38E-07	3.06E-07	1.40E-07	1.38E-07	6.61E-09	1.60E-07	3.52E-08	4.58E-08	7.27E-08	1.28E-08	9.09E-09	3.42E-07	1.80E-07	7.66E-08	9.01E-08	3.54E-08	1.80E-07	7.66E-08
1915	494561.06	3859302	5.65E-04	5.52E-04	5.44E-04	1.96E-07	5.91E-07	3.42E-07	3.34E-07	3.03E-07	1.38E-07	1.36E-07	6.54E-09	1.58E-07	3.48E-08	4.53E-08	7.19E-08	1.27E-08	8.99E-09	3.38E-07	1.78E-07	7.57E-08	8.91E-08	3.50E-08	1.78E-07	7.57E-08
1916	494611.06	3859302	5.58E-04	5.45E-04	5.37E-04	1.93E-07	5.83E-07	3.38E-07	3.29E-07	2.99E-07	1.36E-07	1.34E-07	6.45E-09	1.56E-07	3.44E-08	4.47E-08	7.10E-08	1.25E-08	8.87E-09	3.34E-07	1.76E-07	7.47E-08	8.79E-08	3.45E-08	1.76E-07	7.47E-08
1917	494661.06	3859302	5.51E-04	5.38E-04	5.30E-04	1.91E-07	5.76E-07	3.33E-07	3.25E-07	2.95E-07	1.35E-07	1.33E-07	6.37E-09	1.54E-07	3.39E-08	4.42E-08	7.01E-08	1.23E-08	8.76E-09	3.29E-07	1.74E-07	7.38E-08	8.68E-08	3.41E-08	1.74E-07	7.38E-08

1918	494711.06	3859302	5.43E-04	5.30E-04	5.23E-04	1.88E-07	5.68E-07	3.29E-07	3.21E-07	2.91E-07	1.33E-07	1.31E-07	6.28E-09	1.52E-07	3.35E-08	4.35E-08	6.91E-08	1.22E-08	8.63E-09	3.25E-07	1.71E-07	7.27E-08	8.56E-08	3.36E-08	1.71E-07	7.27E-08
1919	494761.06	3859302	5.36E-04	5.23E-04	5.16E-04	1.86E-07	5.60E-07	3.24E-07	3.16E-07	2.87E-07	1.31E-07	1.29E-07	6.20E-09	1.50E-07	3.30E-08	4.30E-08	6.82E-08	1.20E-08	8.52E-09	3.21E-07	1.69E-07	7.18E-08	8.44E-08	3.32E-08	1.69E-07	7.18E-08
1920	494811.06	3859302	5.27E-04	5.14E-04	5.07E-04	1.82E-07	5.51E-07	3.19E-07	3.11E-07	2.82E-07	1.29E-07	1.27E-07	6.09E-09	1.47E-07	3.25E-08	4.22E-08	6.70E-08	1.18E-08	8.38E-09	3.15E-07	1.66E-07	7.06E-08	8.30E-08	3.26E-08	1.66E-07	7.06E-08
1921	494861.06	3859302	5.16E-04	5.03E-04	4.97E-04	1.79E-07	5.39E-07	3.12E-07	3.04E-07	2.76E-07	1.26E-07	1.24E-07	5.96E-09	1.44E-07	3.18E-08	4.13E-08	6.56E-08	1.16E-08	8.20E-09	3.08E-07	1.63E-07	6.91E-08	8.12E-08	3.19E-08	1.63E-07	6.91E-08
1922	494911.06	3859302	5.09E-04	4.97E-04	4.90E-04	1.76E-07	5.32E-07	3.08E-07	3.01E-07	2.72E-07	1.24E-07	1.23E-07	5.88E-09	1.42E-07	3.14E-08	4.08E-08	6.47E-08	1.14E-08	8.09E-09	3.04E-07	1.61E-07	6.82E-08	8.02E-08	3.15E-08	1.61E-07	6.82E-08
1923	494961.06	3859302	4.98E-04	4.86E-04	4.79E-04	1.72E-07	5.20E-07	3.01E-07	2.94E-07	2.66E-07	1.22E-07	1.20E-07	5.75E-09	1.39E-07	3.07E-08	3.99E-08	6.33E-08	1.12E-08	7.91E-09	2.98E-07	1.57E-07	6.67E-08	7.84E-08	3.08E-08	1.57E-07	6.67E-08
1924	495011.06	3859302	4.92E-04	4.81E-04	4.74E-04	1.70E-07	5.15E-07	2.98E-07	2.91E-07	2.64E-07	1.20E-07	1.19E-07	5.69E-09	1.38E-07	3.03E-08	3.95E-08	6.26E-08	1.10E-08	7.83E-09	2.95E-07	1.55E-07	6.59E-08	7.76E-08	3.05E-08	1.55E-07	6.59E-08
1925	495061.06	3859302	4.94E-04	4.82E-04	4.76E-04	1.71E-07	5.16E-07	2.99E-07	2.92E-07	2.64E-07	1.21E-07	1.19E-07	5.71E-09	1.38E-07	3.04E-08	3.96E-08	6.28E-08	1.11E-08	7.85E-09	2.96E-07	1.56E-07	6.62E-08	7.78E-08	3.06E-08	1.56E-07	6.62E-08
1926	495111.06	3859302	4.88E-04	4.77E-04	4.70E-04	1.69E-07	5.10E-07	2.95E-07	2.88E-07	2.61E-07	1.19E-07	1.18E-07	5.64E-09	1.36E-07	3.01E-08	3.91E-08	6.21E-08	1.09E-08	7.76E-09	2.92E-07	1.54E-07	6.54E-08	7.69E-08	3.02E-08	1.54E-07	6.54E-08
1927	495161.06	3859302	4.86E-04	4.74E-04	4.68E-04	1.68E-07	5.08E-07	2.94E-07	2.87E-07	2.60E-07	1.19E-07	1.17E-07	5.62E-09	1.36E-07	3.00E-08	3.90E-08	6.18E-08	1.09E-08	7.73E-09	2.91E-07	1.53E-07	6.51E-08	7.66E-08	3.01E-08	1.53E-07	6.51E-08
1928	495211.06	3859302	4.85E-04	4.74E-04	4.67E-04	1.68E-07	5.07E-07	2.94E-07	2.87E-07	2.60E-07	1.19E-07	1.17E-07	5.61E-09	1.36E-07	2.99E-08	3.89E-08	6.17E-08	1.09E-08	7.72E-09	2.90E-07	1.53E-07	6.50E-08	7.65E-08	3.00E-08	1.53E-07	6.50E-08
1929	495261.06	3859302	4.83E-04	4.72E-04	4.65E-04	1.67E-07	5.05E-07	2.92E-07	2.85E-07	2.59E-07	1.18E-07	1.16E-07	5.59E-09	1.35E-07	2.98E-08	3.87E-08	6.15E-08	1.08E-08	7.68E-09	2.89E-07	1.53E-07	6.47E-08	7.61E-08	2.99E-08	1.53E-07	6.47E-08
1930	495311.06	3859302	4.79E-04	4.67E-04	4.61E-04	1.66E-07	5.00E-07	2.90E-07	2.83E-07	2.56E-07	1.17E-07	1.15E-07	5.53E-09	1.34E-07	2.95E-08	3.84E-08	6.09E-08	1.07E-08	7.61E-09	2.86E-07	1.51E-07	6.41E-08	7.54E-08	2.96E-08	1.51E-07	6.41E-08
1931	495361.06	3859302	4.77E-04	4.66E-04	4.59E-04	1.65E-07	4.99E-07	2.89E-07	2.82E-07	2.55E-07	1.17E-07	1.15E-07	5.52E-09	1.33E-07	2.94E-08	3.82E-08	6.07E-08	1.07E-08	7.58E-09	2.85E-07	1.51E-07	6.39E-08	7.52E-08	2.95E-08	1.51E-07	6.39E-08
1932	495411.06	3859302	4.75E-04	4.63E-04	4.57E-04	1.64E-07	4.96E-07	2.87E-07	2.80E-07	2.54E-07	1.16E-07	1.14E-07	5.49E-09	1.33E-07	2.92E-08	3.80E-08	6.04E-08	1.06E-08	7.54E-09	2.84E-07	1.50E-07	6.36E-08	7.48E-08	2.94E-08	1.50E-07	6.36E-08
1933	495461.06	3859302	4.72E-04	4.61E-04	4.55E-04	1.63E-07	4.93E-07	2.86E-07	2.79E-07	2.53E-07	1.15E-07	1.14E-07	5.46E-09	1.32E-07	2.91E-08	3.78E-08	6.00E-08	1.06E-08	7.50E-09	2.82E-07	1.49E-07	6.32E-08	7.44E-08	2.92E-08	1.49E-07	6.32E-08
1934	495511.06	3859302	4.68E-04	4.57E-04	4.51E-04	1.62E-07	4.89E-07	2.83E-07	2.76E-07	2.50E-07	1.14E-07	1.13E-07	5.41E-09	1.31E-07	2.88E-08	3.75E-08	5.95E-08	1.05E-08	7.44E-09	2.80E-07	1.48E-07	6.27E-08	7.37E-08	2.90E-08	1.48E-07	6.27E-08
1935	495561.06	3859302	4.62E-04	4.51E-04	4.45E-04	1.60E-07	4.83E-07	2.80E-07	2.73E-07	2.47E-07	1.13E-07	1.11E-07	5.34E-09	1.29E-07	2.85E-08	3.70E-08	5.88E-08	1.04E-08	7.35E-09	2.76E-07	1.46E-07	6.19E-08	7.28E-08	2.86E-08	1.46E-07	6.19E-08
1936	495611.06	3859302	4.59E-04	4.48E-04	4.42E-04	1.59E-07	4.80E-07	2.78E-07	2.71E-07	2.46E-07	1.12E-07	1.11E-07	5.30E-09	1.28E-07	2.83E-08	3.68E-08	5.84E-08	1.03E-08	7.29E-09	2.74E-07	1.45E-07	6.14E-08	7.23E-08	2.84E-08	1.45E-07	6.14E-08
1937	495661.06	3859302	4.55E-04	4.44E-04	4.38E-04	1.58E-07	4.76E-07	2.75E-07	2.69E-07	2.44E-07	1.11E-07	1.10E-07	5.26E-09	1.27E-07	2.80E-08	3.65E-08	5.79E-08	1.02E-08	7.23E-09	2.72E-07	1.44E-07	6.09E-08	7.17E-08	2.82E-08	1.44E-07	6.09E-08
1938	494311.06	3859352	6.20E-04	6.05E-04	5.97E-04	2.15E-07	6.48E-07	3.75E-07	3.66E-07	3.32E-07	1.51E-07	1.49E-07	7.17E-09	1.73E-07	3.82E-08	4.97E-08	7.89E-08	1.39E-08	9.86E-09	3.71E-07	1.96E-07	8.31E-08	9.77E-08	3.84E-08	1.96E-07	8.31E-08
1939	494361.06	3859352	6.12E-04	5.98E-04	5.90E-04	2.12E-07	6.40E-07	3.71E-07	3.62E-07	3.28E-07	1.50E-07	1.48E-07	7.08E-09	1.71E-07	3.77E-08	4.91E-08	7.79E-08	1.37E-08	9.73E-09	3.66E-07	1.93E-07	8.20E-08	9.65E-08	3.79E-08	1.93E-07	8.20E-08
1940	494411.06	3859352	6.02E-04	5.87E-04	5.80E-04	2.08E-07	6.29E-07	3.64E-07	3.55E-07	3.22E-07	1.47E-07	1.45E-07	6.96E-09	1.68E-07	3.71E-08	4.83E-08	7.66E-08	1.35E-08	9.57E-09	3.60E-07	1.90E-07	8.06E-08	9.48E-08	3.73E-08	1.90E-07	8.06E-08
1941	494461.06	3859352	5.93E-04	5.79E-04	5.71E-04	2.05E-07	6.20E-07	3.59E-07	3.50E-07	3.17E-07	1.45E-07	1.43E-07	6.85E-09	1.66E-07	3.65E-08	4.75E-08	7.54E-08	1.33E-08	9.42E-09	3.55E-07	1.87E-07	7.94E-08	9.34E-08	3.67E-08	1.87E-07	7.94E-08
1942	494511.06	3859352	5.85E-04	5.70E-04	5.63E-04	2.02E-07	6.11E-07	3.54E-07	3.45E-07	3.13E-07	1.43E-07	1.41E-07	6.76E-09	1.63E-07	3.60E-08	4.69E-08	7.43E-08	1.31E-08	9.29E-09	3.50E-07	1.84E-07	7.83E-08	9.21E-08	3.62E-08	1.84E-07	7.83E-08
1943	494561.06	3859352	5.78E-04	5.64E-04	5.57E-04	2.00E-07	6.04E-07	3.50E-07	3.41E-07	3.10E-07	1.41E-07	1.39E-07	6.69E-09	1.61E-07	3.56E-08	4.64E-08	7.35E-08	1.30E-08	9.19E-09	3.46E-07	1.83E-07	7.74E-08	9.11E-08	3.58E-08	1.83E-07	7.74E-08
1944	494611.06	3859352	5.71E-04	5.57E-04	5.50E-04	1.98E-07	5.97E-07	3.46E-07	3.37E-07	3.06E-07	1.40E-07	1.38E-07	6.60E-09	1.60E-07	3.52E-08	4.58E-08	7.27E-08	1.28E-08	9.08E-09	3.42E-07	1.80E-07	7.65E-08	9.00E-08	3.54E-08	1.80E-07	7.65E-08
1945	494661.06	3859352	5.64E-04	5.50E-04	5.43E-04	1.95E-07	5.89E-07	3.41E-07	3.33E-07	3.02E-07	1.38E-07	1.36E-07	6.52E-09	1.57E-07	3.47E-08	4.52E-08	7.17E-08	1.26E-08	8.96E-09	3.37E-07	1.78E-07	7.55E-08	8.88E-08	3.49E-08	1.78E-07	7.55E-08
1946	494711.06	3859352	5.55E-04	5.41E-04	5.34E-04	1.92E-07	5.80E-07	3.36E-07	3.28E-07	2.97E-07	1.35E-07	1.34E-07	6.41E-09	1.55E-07	3.42E-08	4.45E-08	7.05E-08	1.24E-08	8.82E-09	3.32E-07	1.75E-07	7.43E-08	8.74E-08	3.43E-08	1.75E-07	7.43E-08
1947	494761.06	3859352	5.43E-04	5.30E-04	5.23E-04	1.88E-07	5.67E-07	3.28E-07	3.20E-07	2.90E-07	1.33E-07	1.31E-07	6.27E-09	1.52E-07	3.34E-08	4.35E-08	6.90E-08	1.22E-08	8.63E-09	3.25E-07	1.71E-07	7.27E-08	8.55E-08	3.36E-08	1.71E-07	7.27E-08
1948	494811.06	3859352	5.32E-04	5.19E-04	5.12E-04	1.84E-07	5.56E-07	3.22E-07	3.14E-07	2.85E-07	1.30E-07	1.28E-07	6.15E-09	1.49E-07	3.28E-08	4.26E-08	6.76E-08	1.19E-08	8.45E-09	3.18E-07	1.68E-07	7.12E-08	8.38E-08	3.29E-08	1.68E-07	7.12E-08
1949	494861.06	3859352	5.26E-04	5.13E-04	5.07E-04	1.82E-07	5.50E-07	3.18E-07	3.11E-07	2.82E-07	1.28E-07	1.27E-07	6.08E-09	1.47E-07	3.24E-08	4.22E-08	6.69E-08	1.18E-08	8.36E-09	3.15E-07	1.66E-07	7.04E-08	8.29E-08	3.26E-08	1.66E-07	7.04E-08
1950	494911.06	3859352	5.22E-04	5.09E-04	5.02E-04	1.81E-07	5.45E-07	3.16E-07	3.08E-07	2.79E-07	1.27E-07	1.26E-07	6.03E-09	1.46E-07	3.21E-08	4.18E-08	6.63E-08	1.17E-08	8.29E-09	3.12E-07	1.65E-07	6.98E-08	8.22E-08	3.23E-08	1.65E-07	6.98E-08
1951	494961.06	3859352	5.15E-04	5.02E-04	4.96E-04	1.78E-07	5.38E-07	3.12E-07	3.04E-07	2.76E-07	1.26E-07	1.24E-07	5.95E-09	1.44E-07	3.17E-08	4.13E-08	6.55E-08	1.15E-08	8.18E-09	3.08E-07	1.62E-07	6.89E-08	8.11E-08	3.19E-08	1.62E-07	6.89E-08
1952	495011.06	3859352	5.10E-04	4.98E-04	4.91E-04	1.77E-07	5.33E-07	3.09E-07	3.01E-07	2.73E-07	1.25E-07	1.23E-07	5.90E-09	1.42E-07	3.14E-08	4.09E-08	6.49E-08	1.14E-08	8.11E-09	3.05E-07	1.61E-07	6.83E-08	8.04E-08	3.16E-08	1.61E-07	6.83E-08
1953	495061.06	3859352	5.10E-04	4.98E-04	4.91E-04	1.77E-07	5.33E-07	3.09E-07	3.01E-07	2.73E-07	1.25E-07	1.23E-07	5.89E-09	1.42E-07	3.14E-08	4.09E-08	6.48E-08	1.14E-08	8.10E-09	3.05E-07	1.61E-07	6.83E-08	8.03E-08	3.16E-08	1.61E-07	6.83E-08
1954	495111.06	3859352	5.04E-04	4.92E-04	4.86E-04	1.75E-07	5.27E-07	3.05E-07	2.98E-07	2.70E-07	1.23E-07	1.22E-07	5.83E-09	1.41E-07	3.11E-08	4.04E-08	6.42E-08	1.13E-08	8.02E-09	3.02E-07	1.59E-07	6.76E-08	7.95E-08	3.12E-08	1.59E-07	6.76E-08
1955	495161.06	3859352	5.01E-04	4.89E-04	4.83E-04	1.73E-07	5.24E-07	3.03E-07	2.96E-07	2.68E-07	1.22E-07	1.21E-07	5.79E-09	1.40E-07	3.09E-08	4.02E-08	6.37E-08	1.12E-08	7.97E-09	3.00E-07	1.58E-07	6.71E-08	7.90E-08	3.10E-08	1.58E-07	6.71E-08
1956	495211.06	3859352	4.98E-04	4.86E-04	4.79E-04	1.72E-07	5.20E-07	3.01E-07	2.94E-07	2.66E-07	1.22E-07	1.20E-07	5.75E-09	1.39E-07	3.07E-08	3.99E-08	6.33E-08	1.12E-08	7.91E-09	2.98E-07	1.57E-07	6.67E-08	7.84E-08	3.08E-08	1.57E-07	6.67E-08
1957	495261.06	3859352	4.95E-04	4.83E-04	4.77E-04	1.71E-07	5.18E-07	3.00E-07	2.92E-07	2.65E-07	1.21E-07	1.19E-07	5.73E-09	1.38E-07	3.05E-08	3.97E-08	6.30E-08	1.11E-08	7.87E-09	2.96E-07	1.56E-07	6.63E-08	7.80E-08	3.07E-08	1.56E-07	6.63E-08
1958	495311.06	3859352	4.91E-04	4.79E-04	4.73E-04	1.70E-07	5.13E-07	2.97E-07	2.90E-07	2.63E-07	1.20E-07	1.18E-07	5.67E-09	1.37E-07	3.02E-08	3.93E-08	6.24E-08	1.10E-08	7.80E-09	2.94E-07	1.55E-07	6.57E-08	7.73E-08	3.04E-08	1.55E-07	6.57E-08
1959	495361.06	3859352	4.87E-04	4.76E-04	4.69E-04	1.69E-07	5.10E-07	2.95E-07	2.88E-07	2.61E-07	1.19E-07	1.17E-07	5.64E-09	1.36E-07	3.00E-08	3.91E-08	6.20E-08	1.09E-08	7.75E-09	2.92E-07	1.54E-07	6.53E-08	7.68E-08	3.02E-08	1.54E-07	6.53E-08
1960	495411.06	3859352	4.85E-04	4.74E-04	4.67E-04	1.68E-07	5.07E-07	2.94E-07	2.87E-07	2.60E-07	1.19E-07	1.17E-07	5.61E-09	1.36E-07	2.99E-08	3.89E-08	6.17E-08	1.09E-08	7.72E-09	2.90E-07	1.53E-07	6.50E-08	7.65E-08	3.00E-08	1.53E-07	6.50E-08
1961	495461.06	3859352	4.84E-04	4.72E-04	4.66E-04	1.67E-07	5.06E-07	2.93E-07	2.86E-07	2.59E-07	1.18E-07	1.17E-07	5.59E-09	1.35E-07	2.98E-08	3.88E-08	6.15E-08	1.08E-08	7.69E-09	2.89E-07	1.53E-07	6.48E-08	7.62E-08	2.99E-08	1.53E-07	6.48E-08
1962	495511.06	3859352	4.78E-04	4.66E-04	4.60E-04	1.65E-07	5.00E-07	2.89E-07	2.82E-07	2.56E-07	1.17E-07	1.15E-07	5.52E-09	1.33E-07	2.94E-08	3.83E-08	6.08E-08	1.07E-08	7.60E-09	2.86E-07	1.51E-07	6.40E-08	7.53E-08	2.96E-08	1.51E-07	6.40E-08
1963	495561.06	3859352	4.74E-04	4.62E-04	4.56E-04	1.64E-07	4.95E-07	2.87E-07	2.80E-07	2.54E-07	1.16E-07	1.14E-07	5.48E-09	1.32E-07	2.92E-08	3.80E-08	6.03E-08	1.06E-08	7.53E-09	2.83E-07	1.50E-07	6.34E-08	7.46E-08	2.93E-08	1.50E-07	6.34E-08
1964	495611.06	3859352	4.70E-04	4.59E-04	4.53E-04	1.63E-07	4.92E-07	2.85E-07	2.78E-07	2.52E-07	1.15E-07	1.13E-07	5.44E-09	1.31E-07	2.90E-08	3.77E-08	5.98E-08	1.05E-08	7.48E-09	2.81E-07	1.48E-07	6.30E-08	7.41E-08	2.91E-08	1.48E-07	6.30E-08
1965	495661.06	3859352	4.65E-04	4.54E-04	4.48E-04	1.61E-07	4.86E-07	2.81E-07	2.75E-07	2.49E-07	1.14E-07	1.12E-07	5.38E-09	1.30E-07	2.87E-08	3.73E-08	5.91E-08	1.04E-08	7.39E-09	2.78E-07	1.47E-07	6.23E-08	7.33E-08	2.88E-08	1.47E-07	6.23E-08
1966	494311.06	3859402	6.36E-04	6.21E-04	6.13E-04	2.20E-07	6.65E-07	3.85E-07	3.76E-07	3.41E-07	1.55E-07	1.53E-07	7.36E-09	1.78E-07	3.92E-08	5.10E-08	8.09E-08	1.43E-08	1.01E-08	3.81E-07	2.01E-07	8.52E-08	1.00E-07	3.94E-08	2.01E-07	8.52E-08
1967	494361.06	3859402	6.25E-04	6.10E-04	6.02E-04	2.16E-07	6.53E-07	3.78E-07	3.69E-07	3.35E-07	1.53E-07	1.51E-07	7.23E-09	1.75E-07	3.85E-08	5.01E-08	7.95E-08	1.40E-08	9.94E-09	3.74E-07	1.97E-07	8.37E-08	9.85E-08	3.87E-08	1.97E-07	8.37E-08
1968	494411.06	3859402	6.15E-04	6.00E-04	5.92E-04	2.13E-07	6.43E-07	3.72E-07	3.63E-07	3.29E-07	1.50E-07	1.48E-07	7.11E-09	1.72E-07	3.79E-08	4.93E-08	7.82E-08	1.38E-08	9.77E-09	3.68E-07	1.94E-07	8.23E-08	9.69E-08	3.81E-08	1.94E-07	8.23E-08
1969	494461.06	3859402	6.06E-04	5.91E-04	5.84E-04	2.10E-07	6.34E-07	3.67E-07	3.58E-07	3.24E-07	1.48E-07	1.46E-07	7.01E-09	1.69E-07	3.73E-08	4.86E-08	7.71E-08	1.36E-08	9.63E-09	3.62E-07	1.91E-07	8.12E-08	9.55E-08	3.75E-08	1.91E-07	8.12E-08
1970	494511.06	3859402	5.99E-04	5.85E-04	5.77E-04	2.08E-07	6.27E-07	3.63E-07	3.54E-07	3.21E-07	1.46E-07	1.44E-07	6.93E-09	1.67E-07	3.69E-08	4.81E-08	7.62E-08	1.34E-08	9.53E-09	3.59E-07	1.89E-07	8.03E-08	9.44E-08	3.71E-08	1.89E-07	8.03E-08
1971	494561.06	3859402	5.93E-04	5.79E-04	5.71E-04	2.05E-07	6.20E-07	3.59E-07	3.50E-07	3.17E-07	1.45E-07	1.43E-07	6.85E-09	1.66E-07	3.65E-08	4.75E-08	7.54E-08	1.33E-08	9.42E-09	3.55E-07	1.87E-07	7.94E-08	9.34E-08	3.67E-08	1.87E-07	7.94E-08
1972	494611.06	3859402	5.85E-04	5.70E-04	5.63E-04	2.02E-07	6.11E-07	3.54E-07	3.45E-07	3.13E-07	1.43E-07	1.41E-07	6.76E-09	1.63E-07	3.60E-08	4.69E-08	7.43E-08	1.31E-08	9.29E-09	3.50E-07	1.84E-07	7.83E-08	9.21E-08	3.62E-08	1.84E-07	7.83E-08
1973	494661.06	3859402	5.79E-04	5.65E-04	5.57E-04	2.00E-07	6.05E-07	3.50E-07	3.42E-07	3.10E-07	1.41E-07	1.39E-07	6.69E-09	1.62E-07	3.57E-08	4.64E-08	7.36E-08	1.30E-08	9.20E-09	3.46E-07	1.83E-07	7.75E-08	9.12E-08	3.58E-08	1.83E-07	7.75E-08
1974	494711.06	3859402	5.71E-04	5.57E-04	5.50E-04	1.98E-07	5.97E-07	3.45E-07	3.37E-07	3.06E-07	1.39E-07	1.38E-07	6.60E-09	1.59E-07	3.52E-08	4.58E-08	7.26E-08	1.28E-08	9.07E-09	3.41E-07	1.80E-07	7.64E-08	8.99E-08	3.53E-08	1.80E-07	7.64E-08
1975	494761.06	3859402	5.57E-04	5.44E-04	5.36E-04	1.93E-07	5.82E-07	3.37E-07	3.29E-07	2.98E-07	1.36E-07	1.34E-07	6.44E-09	1.56E-07	3.43E-08	4.47E-08	7.09E-08	1.25E-08	8.86E-09	3.33E-07	1.76E-07	7.46E-08	8.78E-08	3.45E-08	1.76E-07	7.46E-08
1976	494811.06	3859402	5.50E-04	5.37E-04	5.30E-04	1.90E-07	5.75E-07	3.33E-07	3.25E-07	2.94E-07	1.34E-07	1.33E-07	6.36E-09	1.54E-07	3.39E-08	4.41E-08	7.00E-08	1.23E-08	8.74E-09	3.29E-07	1.74E-07	7.37E-08	8.67E-08	3.40E-08	1.74E-07	7.37E-08
1977	494861.06	3859402	5.40E-04	5.27E-04	5.20E-04	1.87E-07	5.64E-07	3.27E-07	3.19E-07	2.89E-07	1.32E-07	1.30E-07	6.24E-09	1.51E-07	3.33E-08	4.33E-08	6.86E-08	1.21E-08	8.58E-09	3.23E-07	1.70E-07	7.23E-08	8.50E-08	3.34E-08	1.70E-07	7.23E-08
1978	494911.06	3859402	5.31E-04	5.19E-04	5.12E-04	1.84E-07	5.55E-07	3.22E-07	3.14E-07	2.84E-07	1.30E-07	1.28E-07	6.14E-09	1.48E-07	3.27E-08	4.26E-08	6.76E-08	1.19E-08	8.45E-09	3.18E-07	1.68E-07	7.12E-08	8.37E-08	3.29E-08	1.68E-07	7.12E-08
1979	494961.06	3859402	5.28E-04	5.15E-04	5.09E-04	1.83E-07	5.52E-07	3.20E-07	3.12E-07	2.83E-07	1.29E-07	1.27E-07	6.10E-09	1.47E-07	3.25E-08	4.23E-08	6.72E-08	1.18E-08	8.39E-09	3.16E-07	1.67E-07	7.07E-08	8.32E-08	3.27E-08	1.67E-07	7.07E-08
1980	495011.06	3859402	5.24E-04	5.12E-04	5.05E-04	1.82E-07	5.48E-07	3.17E-07	3.10E-07	2.81E-07	1.28E-07	1.26E-07	6.06E-09	1.46E-07	3.23E-08	4.20E-08	6.67E-08	1.18E-08	8.34E-09	3.14E-07	1.66E-07	7.02E-08	8.26E-08	3.25E-08	1.66E-07	7.02E-08
1981	495061.06	3859402	5.20E-04	5.07E-04	5.01E-04	1.80E-07	5.43E-07	3.15E-07	3.07E-07	2.78E-07	1.27E-07	1.25E-07	6.01E-09	1.45E-07	3.20E-08	4.17E-08	6.61E-08	1.17E-08	8.26E-09	3.11E-07	1.64E-07	6.96E-08	8.19E-08	3.22E-08	1.64E-07	6.96E-08
1982	495111.06	3859402	5.14E-04	5.02E-04	4.95E-04	1.78E-07	5.37E-07	3.11E-07	3.04E-07	2.75E-07	1.26E-07	1.24E-07	5.94E-09	1.44E-07	3.17E-08	4.12E-08	6.54E-08	1.15E-08	8.17E-09	3.07E-07	1.62E-07	6.88E-08	8.10E-08	3.18E-08	1.62E-07	6.88E-08
1983	495161.06	3859402	5.13E-04	5.00E-04	4.94E-04	1.78E-07	5.36E-07	3.10E-07	3.03E-07	2.74E-07	1.25E-07	1.24E-07	5.93E-09	1.43E-07	3.16E-08	4.11E-08	6.52E-08	1.15E-08	8.15E-09	3.07E-07	1.62E-07	6.87E-08	8.08E-08	3.17E-08	1.62E-07	6.87E-08
1984	495211.06	3859402	5.11E-04	4.98E-04	4.92E-04	1.77E-07	5.34E-07	3.09E-07	3.02E-07	2.73E-07	1.25E-07	1.23E-07	5.90E-09	1.43E-07	3.15E-08	4.09E-08	6.49E-08	1.14E-08	8.12E-09	3.05E-07	1.61E-07	6.84E-08	8.05E-08	3.16E-08	1.61E-07	6.84E-08
1985	495261.06	3859402	5.07E-04	4.95E-04	4.88E-04	1.75E-07	5.30E-07	3.07E-07	2.99E-07	2.71E-07	1.24E-07	1.22E-07	5.86E-09	1.42E-07	3.12E-08	4.06E-08	6.45E-08	1.14E-08	8.06E-09	3.03E-07	1.60E-07	6.79E-08	7.99E-08	3.14E-08	1.60E-07	6.79E-08
1986	495311.06	3859402	5.03E-04	4.91E-04	4.84E-04	1.74E-07	5.26E-07	3.04E-07	2.97E-07	2.69E-07	1.23E-07	1.21E-07	5.81E-09	1.40E-07	3.10E-08	4.03E-08	6.39E-08	1.13E-08	7.99E-09	3.01E-07	1.59E-07	6.73E-08	7.92E-08	3.11E-08	1.59E-07	6.73E-08
1987	495361.06	3859402	5.01E-04	4.89E-04	4.83E-04	1.73E-07	5.24E-07	3.03E-07	2.96E-07	2.68E-07	1.22E-07	1.21E-07	5.79E-09	1.40E-07	3.09E-08	4.02E-08	6.37E-08	1.12E-08	7.97E-09	3.00E-07	1.58E-07	6.71E-08	7.90E-08	3.10E-08	1.58E-07	6.71E-08
1988	495411.06	3859402	4.99E-04	4.87E-04	4.80E-04	1.73E-07	5.21E-07	3.02E-07	2.94E-07	2.67E-07	1.22E-07	1.20E-07	5.76E-09	1.39E-07	3.07E-08	4.00E-08	6.34E-08	1.12E-08	7.93E-09	2.98E-07	1.57E-07	6.68E-08	7.86E-08	3.09E-08	1.57E-07	6.68E-08
1989	495461.06	3859402	4.94E-04	4.82E-04	4.76E-04	1.71E-07	5.16E-07	2.99E-07	2.92E-07	2.64E-07	1.21E-07	1.19E-07	5.71E-09	1.38E-07	3.04E-08	3.96E-08	6.28E-08	1.11E-08	7.85E-09	2.96E-07	1.56E-07	6.62E-08	7.78E-08	3.06E-08	1.56E-07	6.62E-08
1990	495511.06	3859402	4.88E-04	4.77E-04	4.70E-04	1.69E-07	5.10E-07	2.95E-07	2.88E-07	2.61E-07	1.19E-07	1.18E-07	5.64E-09	1.36E-07	3.01E-08	3.91E-08	6.21E-08	1.09E-08	7.76E-09	2.92E-07	1.54E-07	6.54E-08	7.69E-08	3.02E-08	1.54E-07	6.54E-08
1991	495561.06	3859402	4.83E-04	4.71E-04	4.65E-04	1.67E-07	5.04E-07	2.92E-07	2.85E-07	2.58E-07	1.18E-07	1.16E-07	5.58E-09	1.35E-07	2.97E-08	3.87E-08	6.14E-08	1.08E-08	7.67E-09	2.89E-07	1.52E-07	6.46E-08	7.60E-08	2.99E-08	1.52E-07	6.46E-08

1992	495611.06	3859402	4.79E-04	4.67E-04	4.61E-04	1.66E-07	5.00E-07	2.90E-07	2.83E-07	2.56E-07	1.17E-07	1.15E-07	5.53E-09	1.34E-07	2.95E-08	3.84E-08	6.09E-08	1.07E-08	7.61E-09	2.86E-07	1.51E-07	6.41E-08	7.54E-08	2.96E-08	1.51E-07	6.41E-08
1993	495661.06	3859402	4.75E-04	4.64E-04	4.58E-04	1.65E-07	4.97E-07	2.88E-07	2.81E-07	2.54E-07	1.16E-07	1.15E-07	5.50E-09	1.33E-07	2.93E-08	3.81E-08	6.05E-08	1.07E-08	7.56E-09	2.84E-07	1.50E-07	6.37E-08	7.49E-08	2.94E-08	1.50E-07	6.37E-08
1994	494311.06	3859452	6.49E-04	6.34E-04	6.25E-04	2.25E-07	6.79E-07	3.93E-07	3.83E-07	3.48E-07	1.59E-07	1.56E-07	7.51E-09	1.81E-07	4.00E-08	5.20E-08	8.26E-08	1.46E-08	1.03E-08	3.88E-07	2.05E-07	8.69E-08	1.02E-07	4.02E-08	2.05E-07	8.69E-08
1995	494361.06	3859452	6.39E-04	6.23E-04	6.15E-04	2.21E-07	6.68E-07	3.87E-07	3.77E-07	3.42E-07	1.56E-07	1.54E-07	7.39E-09	1.78E-07	3.94E-08	5.12E-08	8.13E-08	1.43E-08	1.02E-08	3.82E-07	2.02E-07	8.56E-08	1.01E-07	3.95E-08	2.02E-07	8.56E-08
1996	494411.06	3859452	6.25E-04	6.10E-04	6.02E-04	2.16E-07	6.53E-07	3.78E-07	3.69E-07	3.35E-07	1.53E-07	1.51E-07	7.23E-09	1.75E-07	3.85E-08	5.01E-08	7.95E-08	1.40E-08	9.94E-09	3.74E-07	1.97E-07	8.37E-08	9.85E-08	3.87E-08	1.97E-07	8.37E-08
1997	494461.06	3859452	6.20E-04	6.05E-04	5.97E-04	2.15E-07	6.48E-07	3.75E-07	3.66E-07	3.32E-07	1.51E-07	1.49E-07	7.16E-09	1.73E-07	3.82E-08	4.97E-08	7.88E-08	1.39E-08	9.85E-09	3.71E-07	1.96E-07	8.30E-08	9.76E-08	3.84E-08	1.96E-07	8.30E-08
1998	494511.06	3859452	6.11E-04	5.96E-04	5.88E-04	2.12E-07	6.39E-07	3.70E-07	3.61E-07	3.27E-07	1.49E-07	1.47E-07	7.06E-09	1.71E-07	3.77E-08	4.90E-08	7.77E-08	1.37E-08	9.71E-09	3.65E-07	1.93E-07	8.18E-08	9.63E-08	3.78E-08	1.93E-07	8.18E-08
1999	494561.06	3859452	6.04E-04	5.90E-04	5.82E-04	2.09E-07	6.32E-07	3.66E-07	3.57E-07	3.24E-07	1.48E-07	1.46E-07	6.99E-09	1.69E-07	3.72E-08	4.85E-08	7.69E-08	1.35E-08	9.61E-09	3.61E-07	1.91E-07	8.09E-08	9.52E-08	3.74E-08	1.91E-07	8.09E-08
2000	494611.06	3859452	5.99E-04	5.85E-04	5.77E-04	2.08E-07	6.27E-07	3.63E-07	3.54E-07	3.21E-07	1.46E-07	1.44E-07	6.93E-09	1.67E-07	3.69E-08	4.81E-08	7.62E-08	1.34E-08	9.53E-09	3.59E-07	1.89E-07	8.03E-08	9.44E-08	3.71E-08	1.89E-07	8.03E-08
2001	494661.06	3859452	5.91E-04	5.76E-04	5.69E-04	2.05E-07	6.17E-07	3.57E-07	3.49E-07	3.16E-07	1.44E-07	1.42E-07	6.83E-09	1.65E-07	3.64E-08	4.74E-08	7.51E-08	1.32E-08	9.39E-09	3.53E-07	1.86E-07	7.91E-08	9.31E-08	3.66E-08	1.86E-07	7.91E-08
2002	494711.06	3859452	5.82E-04	5.68E-04	5.61E-04	2.02E-07	6.09E-07	3.52E-07	3.44E-07	3.12E-07	1.42E-07	1.40E-07	6.73E-09	1.63E-07	3.59E-08	4.67E-08	7.41E-08	1.31E-08	9.26E-09	3.48E-07	1.84E-07	7.80E-08	9.18E-08	3.60E-08	1.84E-07	7.80E-08
2003	494761.06	3859452	5.75E-04	5.62E-04	5.54E-04	1.99E-07	6.01E-07	3.48E-07	3.40E-07	3.08E-07	1.41E-07	1.39E-07	6.65E-09	1.61E-07	3.55E-08	4.61E-08	7.32E-08	1.29E-08	9.15E-09	3.44E-07	1.82E-07	7.71E-08	9.07E-08	3.56E-08	1.82E-07	7.71E-08
2004	494811.06	3859452	5.65E-04	5.51E-04	5.44E-04	1.96E-07	5.91E-07	3.42E-07	3.34E-07	3.02E-07	1.38E-07	1.36E-07	6.53E-09	1.58E-07	3.48E-08	4.53E-08	7.19E-08	1.27E-08	8.98E-09	3.38E-07	1.78E-07	7.57E-08	8.90E-08	3.50E-08	1.78E-07	7.57E-08
2005	494861.06	3859452	5.56E-04	5.43E-04	5.36E-04	1.93E-07	5.82E-07	3.37E-07	3.28E-07	2.98E-07	1.36E-07	1.34E-07	6.43E-09	1.55E-07	3.43E-08	4.46E-08	7.08E-08	1.25E-08	8.84E-09	3.33E-07	1.76E-07	7.45E-08	8.76E-08	3.44E-08	1.76E-07	7.45E-08
2006	494911.06	3859452	5.49E-04	5.36E-04	5.29E-04	1.90E-07	5.74E-07	3.32E-07	3.24E-07	2.94E-07	1.34E-07	1.32E-07	6.35E-09	1.53E-07	3.38E-08	4.40E-08	6.99E-08	1.23E-08	8.73E-09	3.28E-07	1.73E-07	7.36E-08	8.65E-08	3.40E-08	1.73E-07	7.36E-08
2007	494961.06	3859452	5.45E-04	5.32E-04	5.25E-04	1.89E-07	5.70E-07	3.30E-07	3.22E-07	2.92E-07	1.33E-07	1.31E-07	6.30E-09	1.52E-07	3.36E-08	4.37E-08	6.93E-08	1.22E-08	8.67E-09	3.26E-07	1.72E-07	7.30E-08	8.59E-08	3.37E-08	1.72E-07	7.30E-08
2008	495011.06	3859452	5.40E-04	5.27E-04	5.20E-04	1.87E-07	5.64E-07	3.27E-07	3.19E-07	2.89E-07	1.32E-07	1.30E-07	6.24E-09	1.51E-07	3.33E-08	4.33E-08	6.86E-08	1.21E-08	8.58E-09	3.23E-07	1.70E-07	7.23E-08	8.50E-08	3.34E-08	1.70E-07	7.23E-08
2009	495061.06	3859452	5.35E-04	5.22E-04	5.15E-04	1.85E-07	5.59E-07	3.24E-07	3.16E-07	2.86E-07	1.31E-07	1.29E-07	6.18E-09	1.49E-07	3.29E-08	4.29E-08	6.80E-08	1.20E-08	8.50E-09	3.20E-07	1.69E-07	7.16E-08	8.42E-08	3.31E-08	1.69E-07	7.16E-08
2010	495111.06	3859452	5.29E-04	5.17E-04	5.10E-04	1.83E-07	5.53E-07	3.20E-07	3.13E-07	2.83E-07	1.29E-07	1.28E-07	6.12E-09	1.48E-07	3.26E-08	4.24E-08	6.73E-08	1.19E-08	8.41E-09	3.17E-07	1.67E-07	7.09E-08	8.34E-08	3.28E-08	1.67E-07	7.09E-08
2011	495161.06	3859452	5.26E-04	5.13E-04	5.07E-04	1.82E-07	5.50E-07	3.18E-07	3.11E-07	2.82E-07	1.28E-07	1.27E-07	6.08E-09	1.47E-07	3.24E-08	4.22E-08	6.69E-08	1.18E-08	8.36E-09	3.15E-07	1.66E-07	7.04E-08	8.29E-08	3.26E-08	1.66E-07	7.04E-08
2012	495211.06	3859452	5.24E-04	5.11E-04	5.04E-04	1.81E-07	5.47E-07	3.17E-07	3.09E-07	2.80E-07	1.28E-07	1.26E-07	6.05E-09	1.46E-07	3.23E-08	4.20E-08	6.66E-08	1.17E-08	8.32E-09	3.13E-07	1.65E-07	7.01E-08	8.25E-08	3.24E-08	1.65E-07	7.01E-08
2013	495261.06	3859452	5.21E-04	5.08E-04	5.01E-04	1.80E-07	5.44E-07	3.15E-07	3.07E-07	2.79E-07	1.27E-07	1.25E-07	6.02E-09	1.45E-07	3.21E-08	4.17E-08	6.62E-08	1.17E-08	8.28E-09	3.11E-07	1.64E-07	6.97E-08	8.20E-08	3.22E-08	1.64E-07	6.97E-08
2014	495311.06	3859452	5.17E-04	5.04E-04	4.97E-04	1.79E-07	5.40E-07	3.13E-07	3.05E-07	2.76E-07	1.26E-07	1.24E-07	5.97E-09	1.44E-07	3.18E-08	4.14E-08	6.57E-08	1.16E-08	8.21E-09	3.09E-07	1.63E-07	6.92E-08	8.14E-08	3.20E-08	1.63E-07	6.92E-08
2015	495361.06	3859452	5.13E-04	5.01E-04	4.94E-04	1.78E-07	5.36E-07	3.11E-07	3.03E-07	2.75E-07	1.25E-07	1.24E-07	5.93E-09	1.43E-07	3.16E-08	4.11E-08	6.53E-08	1.15E-08	8.16E-09	3.07E-07	1.62E-07	6.87E-08	8.08E-08	3.18E-08	1.62E-07	6.87E-08
2016	495411.06	3859452	5.09E-04	4.97E-04	4.90E-04	1.76E-07	5.32E-07	3.08E-07	3.01E-07	2.72E-07	1.24E-07	1.23E-07	5.88E-09	1.42E-07	3.14E-08	4.08E-08	6.47E-08	1.14E-08	8.09E-09	3.04E-07	1.61E-07	6.82E-08	8.02E-08	3.15E-08	1.61E-07	6.82E-08
2017	495461.06	3859452	5.05E-04	4.93E-04	4.87E-04	1.75E-07	5.28E-07	3.06E-07	2.98E-07	2.70E-07	1.23E-07	1.22E-07	5.84E-09	1.41E-07	3.11E-08	4.05E-08	6.43E-08	1.13E-08	8.03E-09	3.02E-07	1.59E-07	6.77E-08	7.96E-08	3.13E-08	1.59E-07	6.77E-08
2018	495511.06	3859452	4.99E-04	4.87E-04	4.80E-04	1.73E-07	5.21E-07	3.02E-07	2.94E-07	2.67E-07	1.22E-07	1.20E-07	5.76E-09	1.39E-07	3.07E-08	4.00E-08	6.34E-08	1.12E-08	7.93E-09	2.98E-07	1.57E-07	6.68E-08	7.86E-08	3.09E-08	1.57E-07	6.68E-08
2019	495561.06	3859452	4.95E-04	4.83E-04	4.76E-04	1.71E-07	5.17E-07	2.99E-07	2.92E-07	2.65E-07	1.21E-07	1.19E-07	5.72E-09	1.38E-07	3.05E-08	3.96E-08	6.29E-08	1.11E-08	7.86E-09	2.96E-07	1.56E-07	6.62E-08	7.79E-08	3.06E-08	1.56E-07	6.62E-08
2020	495611.06	3859452	4.90E-04	4.78E-04	4.72E-04	1.70E-07	5.12E-07	2.96E-07	2.89E-07	2.62E-07	1.20E-07	1.18E-07	5.66E-09	1.37E-07	3.02E-08	3.93E-08	6.23E-08	1.10E-08	7.79E-09	2.93E-07	1.55E-07	6.56E-08	7.72E-08	3.03E-08	1.55E-07	6.56E-08
2021	495661.06	3859452	4.86E-04	4.74E-04	4.68E-04	1.68E-07	5.08E-07	2.94E-07	2.87E-07	2.60E-07	1.19E-07	1.17E-07	5.62E-09	1.36E-07	3.00E-08	3.90E-08	6.18E-08	1.09E-08	7.73E-09	2.91E-07	1.53E-07	6.51E-08	7.66E-08	3.01E-08	1.53E-07	6.51E-08
2022	494311.06	3859502	6.64E-04	6.48E-04	6.40E-04	2.30E-07	6.94E-07	4.02E-07	3.92E-07	3.56E-07	1.62E-07	1.60E-07	7.68E-09	1.85E-07	4.09E-08	5.32E-08	8.45E-08	1.49E-08	1.06E-08	3.97E-07	2.10E-07	8.89E-08	1.05E-07	4.11E-08	2.10E-07	8.89E-08
2023	494361.06	3859502	6.53E-04	6.38E-04	6.29E-04	2.26E-07	6.83E-07	3.95E-07	3.86E-07	3.50E-07	1.60E-07	1.57E-07	7.55E-09	1.82E-07	4.03E-08	5.24E-08	8.31E-08	1.46E-08	1.04E-08	3.91E-07	2.06E-07	8.75E-08	1.03E-07	4.04E-08	2.06E-07	8.75E-08
2024	494411.06	3859502	6.36E-04	6.21E-04	6.12E-04	2.20E-07	6.65E-07	3.85E-07	3.76E-07	3.40E-07	1.55E-07	1.53E-07	7.35E-09	1.78E-07	3.92E-08	5.10E-08	8.09E-08	1.43E-08	1.01E-08	3.80E-07	2.01E-07	8.52E-08	1.00E-07	3.94E-08	2.01E-07	8.52E-08
2025	494461.06	3859502	6.34E-04	6.19E-04	6.11E-04	2.20E-07	6.63E-07	3.84E-07	3.75E-07	3.40E-07	1.55E-07	1.53E-07	7.33E-09	1.77E-07	3.91E-08	5.09E-08	8.07E-08	1.42E-08	1.01E-08	3.79E-07	2.00E-07	8.49E-08	9.99E-08	3.93E-08	2.00E-07	8.49E-08
2026	494511.06	3859502	6.24E-04	6.09E-04	6.01E-04	2.16E-07	6.53E-07	3.78E-07	3.69E-07	3.34E-07	1.52E-07	1.50E-07	7.22E-09	1.74E-07	3.85E-08	5.01E-08	7.94E-08	1.40E-08	9.92E-09	3.73E-07	1.97E-07	8.36E-08	9.84E-08	3.86E-08	1.97E-07	8.36E-08
2027	494561.06	3859502	6.17E-04	6.02E-04	5.94E-04	2.13E-07	6.44E-07	3.73E-07	3.64E-07	3.30E-07	1.51E-07	1.49E-07	7.13E-09	1.72E-07	3.80E-08	4.94E-08	7.84E-08	1.38E-08	9.80E-09	3.69E-07	1.95E-07	8.26E-08	9.71E-08	3.82E-08	1.95E-07	8.26E-08
2028	494611.06	3859502	6.15E-04	6.00E-04	5.92E-04	2.13E-07	6.43E-07	3.72E-07	3.63E-07	3.29E-07	1.50E-07	1.48E-07	7.11E-09	1.72E-07	3.79E-08	4.93E-08	7.82E-08	1.38E-08	9.77E-09	3.68E-07	1.94E-07	8.23E-08	9.69E-08	3.81E-08	1.94E-07	8.23E-08
2029	494661.06	3859502	6.05E-04	5.90E-04	5.82E-04	2.09E-07	6.32E-07	3.66E-07	3.57E-07	3.24E-07	1.48E-07	1.46E-07	6.99E-09	1.69E-07	3.73E-08	4.85E-08	7.69E-08	1.36E-08	9.61E-09	3.62E-07	1.91E-07	8.10E-08	9.53E-08	3.74E-08	1.91E-07	8.10E-08
2030	494711.06	3859502	5.93E-04	5.79E-04	5.71E-04	2.05E-07	6.20E-07	3.59E-07	3.50E-07	3.18E-07	1.45E-07	1.43E-07	6.86E-09	1.66E-07	3.66E-08	4.76E-08	7.54E-08	1.33E-08	9.43E-09	3.55E-07	1.87E-07	7.94E-08	9.35E-08	3.67E-08	1.87E-07	7.94E-08
2031	494761.06	3859502	5.90E-04	5.76E-04	5.68E-04	2.04E-07	6.17E-07	3.57E-07	3.48E-07	3.16E-07	1.44E-07	1.42E-07	6.82E-09	1.65E-07	3.63E-08	4.73E-08	7.50E-08	1.32E-08	9.38E-09	3.53E-07	1.86E-07	7.90E-08	9.29E-08	3.65E-08	1.86E-07	7.90E-08
2032	494811.06	3859502	5.76E-04	5.62E-04	5.55E-04	1.99E-07	6.02E-07	3.49E-07	3.40E-07	3.08E-07	1.41E-07	1.39E-07	6.66E-09	1.61E-07	3.55E-08	4.62E-08	7.33E-08	1.29E-08	9.16E-09	3.45E-07	1.82E-07	7.72E-08	9.08E-08	3.57E-08	1.82E-07	7.72E-08
2033	494861.06	3859502	5.70E-04	5.56E-04	5.49E-04	1.97E-07	5.96E-07	3.45E-07	3.37E-07	3.05E-07	1.39E-07	1.37E-07	6.59E-09	1.59E-07	3.51E-08	4.57E-08	7.25E-08	1.28E-08	9.06E-09	3.41E-07	1.80E-07	7.63E-08	8.98E-08	3.53E-08	1.80E-07	7.63E-08
2034	494911.06	3859502	5.65E-04	5.52E-04	5.44E-04	1.96E-07	5.91E-07	3.42E-07	3.34E-07	3.03E-07	1.38E-07	1.36E-07	6.54E-09	1.58E-07	3.48E-08	4.53E-08	7.19E-08	1.27E-08	8.99E-09	3.38E-07	1.78E-07	7.57E-08	8.91E-08	3.50E-08	1.78E-07	7.57E-08
2035	494961.06	3859502	5.58E-04	5.45E-04	5.37E-04	1.93E-07	5.83E-07	3.38E-07	3.29E-07	2.99E-07	1.36E-07	1.34E-07	6.45E-09	1.56E-07	3.44E-08	4.47E-08	7.10E-08	1.25E-08	8.87E-09	3.34E-07	1.76E-07	7.47E-08	8.79E-08	3.45E-08	1.76E-07	7.47E-08
2036	495011.06	3859502	5.54E-04	5.40E-04	5.33E-04	1.92E-07	5.79E-07	3.35E-07	3.27E-07	2.96E-07	1.35E-07	1.33E-07	6.40E-09	1.55E-07	3.41E-08	4.44E-08	7.04E-08	1.24E-08	8.80E-09	3.31E-07	1.75E-07	7.42E-08	8.73E-08	3.43E-08	1.75E-07	7.42E-08
2037	495061.06	3859502	5.50E-04	5.36E-04	5.29E-04	1.90E-07	5.75E-07	3.33E-07	3.25E-07	2.94E-07	1.34E-07	1.32E-07	6.35E-09	1.53E-07	3.39E-08	4.41E-08	6.99E-08	1.23E-08	8.74E-09	3.29E-07	1.73E-07	7.36E-08	8.66E-08	3.40E-08	1.73E-07	7.36E-08
2038	495111.06	3859502	5.43E-04	5.30E-04	5.23E-04	1.88E-07	5.67E-07	3.28E-07	3.20E-07	2.90E-07	1.33E-07	1.31E-07	6.27E-09	1.52E-07	3.34E-08	4.35E-08	6.90E-08	1.22E-08	8.63E-09	3.25E-07	1.71E-07	7.27E-08	8.55E-08	3.36E-08	1.71E-07	7.27E-08
2039	495161.06	3859502	5.39E-04	5.26E-04	5.19E-04	1.87E-07	5.63E-07	3.26E-07	3.18E-07	2.88E-07	1.32E-07	1.30E-07	6.23E-09	1.50E-07	3.32E-08	4.32E-08	6.85E-08	1.21E-08	8.57E-09	3.22E-07	1.70E-07	7.22E-08	8.49E-08	3.34E-08	1.70E-07	7.22E-08
2040	495211.06	3859502	5.36E-04	5.23E-04	5.17E-04	1.86E-07	5.61E-07	3.25E-07	3.17E-07	2.87E-07	1.31E-07	1.29E-07	6.20E-09	1.50E-07	3.31E-08	4.30E-08	6.82E-08	1.20E-08	8.53E-09	3.21E-07	1.69E-07	7.18E-08	8.45E-08	3.32E-08	1.69E-07	7.18E-08
2041	495261.06	3859502	5.33E-04	5.20E-04	5.13E-04	1.85E-07	5.57E-07	3.23E-07	3.15E-07	2.85E-07	1.30E-07	1.28E-07	6.16E-09	1.49E-07	3.28E-08	4.27E-08	6.78E-08	1.19E-08	8.47E-09	3.19E-07	1.68E-07	7.14E-08	8.40E-08	3.30E-08	1.68E-07	7.14E-08
2042	495311.06	3859502	5.30E-04	5.17E-04	5.10E-04	1.83E-07	5.54E-07	3.21E-07	3.13E-07	2.84E-07	1.29E-07	1.28E-07	6.12E-09	1.48E-07	3.26E-08	4.25E-08	6.74E-08	1.19E-08	8.42E-09	3.17E-07	1.67E-07	7.09E-08	8.35E-08	3.28E-08	1.67E-07	7.09E-08
2043	495361.06	3859502	5.25E-04	5.13E-04	5.06E-04	1.82E-07	5.49E-07	3.18E-07	3.10E-07	2.81E-07	1.28E-07	1.27E-07	6.07E-09	1.47E-07	3.24E-08	4.21E-08	6.68E-08	1.18E-08	8.35E-09	3.14E-07	1.66E-07	7.03E-08	8.27E-08	3.25E-08	1.66E-07	7.03E-08
2044	495411.06	3859502	5.22E-04	5.09E-04	5.03E-04	1.81E-07	5.46E-07	3.16E-07	3.08E-07	2.79E-07	1.27E-07	1.26E-07	6.03E-09	1.46E-07	3.22E-08	4.18E-08	6.64E-08	1.17E-08	8.30E-09	3.12E-07	1.65E-07	6.99E-08	8.22E-08	3.23E-08	1.65E-07	6.99E-08
2045	495461.06	3859502	5.17E-04	5.05E-04	4.98E-04	1.79E-07	5.41E-07	3.13E-07	3.05E-07	2.77E-07	1.26E-07	1.25E-07	5.98E-09	1.44E-07	3.19E-08	4.15E-08	6.58E-08	1.16E-08	8.22E-09	3.09E-07	1.63E-07	6.93E-08	8.15E-08	3.20E-08	1.63E-07	6.93E-08
2046	495511.06	3859502	5.08E-04	4.96E-04	4.89E-04	1.76E-07	5.31E-07	3.08E-07	3.00E-07	2.72E-07	1.24E-07	1.22E-07	5.87E-09	1.42E-07	3.13E-08	4.07E-08	6.46E-08	1.14E-08	8.08E-09	3.04E-07	1.60E-07	6.81E-08	8.01E-08	3.15E-08	1.60E-07	6.81E-08
2047	495561.06	3859502	5.07E-04	4.94E-04	4.88E-04	1.75E-07	5.29E-07	3.07E-07	2.99E-07	2.71E-07	1.24E-07	1.22E-07	5.86E-09	1.41E-07	3.12E-08	4.06E-08	6.44E-08	1.14E-08	8.05E-09	3.03E-07	1.60E-07	6.78E-08	7.98E-08	3.14E-08	1.60E-07	6.78E-08
2048	495611.06	3859502	5.02E-04	4.90E-04	4.83E-04	1.74E-07	5.25E-07	3.04E-07	2.96E-07	2.69E-07	1.23E-07	1.21E-07	5.80E-09	1.40E-07	3.09E-08	4.02E-08	6.38E-08	1.13E-08	7.98E-09	3.00E-07	1.58E-07	6.72E-08	7.91E-08	3.11E-08	1.58E-07	6.72E-08
2049	495661.06	3859502	4.97E-04	4.85E-04	4.79E-04	1.72E-07	5.19E-07	3.01E-07	2.93E-07	2.66E-07	1.21E-07	1.20E-07	5.75E-09	1.39E-07	3.06E-08	3.98E-08	6.32E-08	1.11E-08	7.90E-09	2.97E-07	1.57E-07	6.66E-08	7.83E-08	3.08E-08	1.57E-07	6.66E-08
2050	494311.06	3859552	6.79E-04	6.62E-04	6.54E-04	2.35E-07	7.09E-07	4.11E-07	4.01E-07	3.63E-07	1.66E-07	1.64E-07	7.85E-09	1.90E-07	4.18E-08	5.44E-08	8.63E-08	1.52E-08	1.08E-08	4.06E-07	2.14E-07	9.09E-08	1.07E-07	4.20E-08	2.14E-07	9.09E-08
2051	494361.06	3859552	6.63E-04	6.47E-04	6.38E-04	2.29E-07	6.93E-07	4.01E-07	3.91E-07	3.55E-07	1.62E-07	1.60E-07	7.66E-09	1.85E-07	4.08E-08	5.31E-08	8.43E-08	1.49E-08	1.05E-08	3.96E-07	2.09E-07	8.88E-08	1.04E-07	4.10E-08	2.09E-07	8.88E-08
2052	494411.06	3859552	6.46E-04	6.31E-04	6.22E-04	2.24E-07	6.76E-07	3.91E-07	3.82E-07	3.46E-07	1.58E-07	1.56E-07	7.47E-09	1.80E-07	3.98E-08	5.18E-08	8.22E-08	1.45E-08	1.03E-08	3.87E-07	2.04E-07	8.66E-08	1.02E-07	4.00E-08	2.04E-07	8.66E-08
2053	494461.06	3859552	6.48E-04	6.32E-04	6.24E-04	2.24E-07	6.77E-07	3.92E-07	3.83E-07	3.47E-07	1.58E-07	1.56E-07	7.49E-09	1.81E-07	3.99E-08	5.19E-08	8.24E-08	1.45E-08	1.03E-08	3.88E-07	2.05E-07	8.68E-08	1.02E-07	4.01E-08	2.05E-07	8.68E-08
2054	494511.06	3859552	6.38E-04	6.23E-04	6.15E-04	2.21E-07	6.67E-07	3.86E-07	3.77E-07	3.42E-07	1.56E-07	1.54E-07	7.38E-09	1.78E-07	3.93E-08	5.12E-08	8.12E-08	1.43E-08	1.01E-08	3.82E-07	2.02E-07	8.55E-08	1.01E-07	3.95E-08	2.02E-07	8.55E-08
2055	494561.06	3859552	6.30E-04	6.15E-04	6.07E-04	2.18E-07	6.59E-07	3.81E-07	3.72E-07	3.37E-07	1.54E-07	1.52E-07	7.28E-09	1.76E-07	3.88E-08	5.05E-08	8.01E-08	1.41E-08	1.00E-08	3.77E-07	1.99E-07	8.44E-08	9.93E-08	3.90E-08	1.99E-07	8.44E-08
2056	494611.06	3859552	6.26E-04	6.11E-04	6.02E-04	2.17E-07	6.54E-07	3.79E-07	3.69E-07	3.35E-07	1.53E-07	1.51E-07	7.23E-09	1.75E-07	3.85E-08	5.02E-08	7.96E-08	1.40E-08	9.94E-09	3.74E-07	1.97E-07	8.38E-08	9.86E-08	3.87E-08	1.97E-07	8.38E-08
2057	494661.06	3859552	6.19E-04	6.04E-04	5.96E-04	2.14E-07	6.47E-07	3.75E-07	3.65E-07	3.31E-07	1.51E-07	1.49E-07	7.16E-09	1.73E-07	3.81E-08	4.96E-08	7.87E-08	1.39E-08	9.84E-09	3.70E-07	1.95E-07	8.29E-08	9.75E-08	3.83E-08	1.95E-07	8.29E-08
2058	494711.06	3859552	6.02E-04	5.87E-04	5.80E-04	2.08E-07	6.29E-07	3.64E-07	3.55E-07	3.22E-07	1.47E-07	1.45E-07	6.96E-09	1.68E-07	3.71E-08	4.83E-08	7.66E-08	1.35E-08	9.57E-09	3.60E-07	1.90E-07	8.06E-08	9.48E-08	3.73E-08	1.90E-07	8.06E-08
2059	494761.06	3859552	6.04E-04	5.89E-04	5.81E-04	2.09E-07	6.31E-07	3.65E-07	3.56E-07	3.23E-07	1.47E-07	1.45E-07	6.98E-09	1.69E-07	3.72E-08	4.84E-08	7.68E-08	1.35E-08	9.60E-09	3.61E-07	1.91E-07	8.08E-08	9.51E-08	3.74E-08	1.91E-07	8.08E-08
2060	494811.06	3859552	5.92E-04	5.77E-04	5.70E-04	2.05E-07	6.18E-07	3.58E-07	3.49E-07	3.17E-07	1.44E-07	1.43E-07	6.84E-09	1.65E-07	3.65E-08	4.74E-08	7.52E-08	1.33E-08	9.40E-09	3.54E-07	1.87E-07	7.92E-08	9.32E-08	3.66E-08	1.87E-07	7.92E-08
2061	494861.06	3859552	5.85E-04	5.71E-04	5.63E-04	2.02E-07	6.11E-07	3.54E-07	3.45E-07	3.13E-07	1.43E-07	1.41E-07	6.76E-09	1.63E-07	3.60E-08	4.69E-08	7.44E-08	1.31E-08	9.30E-09	3.50E-07	1.85E-07	7.83E-08	9.22E-08	3.62E-08	1.85E-07	7.83E-08
2062	494911.06	3859552	5.78E-04	5.64E-04	5.56E-04	2.00E-07	6.04E-07	3.50E-07	3.41E-07	3.09E-07	1.41E-07	1.39E-07	6.68E-09	1.61E-07	3.56E-08	4.63E-08	7.35E-08	1.30E-08	9.19E-09	3.46E-07	1.82E-07	7.74E-08	9.10E-08	3.58E-08	1.82E-07	7.74E-08
2063	494961.06	3859552	5.74E-04	5.60E-04	5.52E-04	1.99E-07	6.00E-07	3.47E-07	3.39E-07	3.07E-07	1.40E-07	1.38E-07	6.63E-09	1.60E-07	3.54E-08	4.60E-08	7.30E-08	1.29E-08	9.12E-09	3.43E-07	1.81E-07	7.68E-08	9.04E-08	3.55E-08	1.81E-07	7.68E-08
2064	495011.06	3859552	5.70E-04	5.56E-04	5.49E-04	1.97E-07	5.96E-07	3.45E-07	3.37E-07	3.05E-07	1.39E-07	1.37E-07	6.59E-09	1.59E-07	3.51E-08	4.57E-08	7.25E-08	1.28E-08	9.06E-09	3.41E-07	1.80E-07	7.63E-08	8.98E-08	3.53E-08	1.80E-07	7.63E-08
2065	495061.06	3859552	5.64E-04	5.51E-04	5.43E-04	1.95E-07	5.90E-07	3.41E-07	3.33E-07	3.02E-07	1.38E-07	1.36E-07	6.52E-09	1.58E-07	3.48E-08	4.52E-08	7.18E-08	1.26E-08	8.97E-09	3.37E-07	1.78E-07	7.56E-08	8.89E-08	3.49E-08	1.78E-07	7.56E-08

2066	495111.06	3859552	5.58E-04	5.45E-04	5.37E-04	1.93E-07	5.83E-07	3.38E-07	3.29E-07	2.99E-07	1.36E-07	1.34E-07	6.45E-09	1.56E-07	3.44E-08	4.47E-08	7.10E-08	1.25E-08	8.87E-09	3.34E-07	1.76E-07	7.47E-08	8.79E-08	3.45E-08	1.76E-07	7.47E-08
2067	495161.06	3859552	5.54E-04	5.41E-04	5.34E-04	1.92E-07	5.79E-07	3.35E-07	3.27E-07	2.97E-07	1.35E-07	1.34E-07	6.41E-09	1.55E-07	3.42E-08	4.44E-08	7.05E-08	1.24E-08	8.81E-09	3.31E-07	1.75E-07	7.42E-08	8.73E-08	3.43E-08	1.75E-07	7.42E-08
2068	495211.06	3859552	5.52E-04	5.38E-04	5.31E-04	1.91E-07	5.77E-07	3.34E-07	3.26E-07	2.95E-07	1.35E-07	1.33E-07	6.38E-09	1.54E-07	3.40E-08	4.42E-08	7.02E-08	1.24E-08	8.77E-09	3.30E-07	1.74E-07	7.39E-08	8.69E-08	3.41E-08	1.74E-07	7.39E-08
2069	495261.06	3859552	5.46E-04	5.33E-04	5.26E-04	1.89E-07	5.71E-07	3.30E-07	3.22E-07	2.92E-07	1.33E-07	1.32E-07	6.31E-09	1.52E-07	3.36E-08	4.38E-08	6.94E-08	1.22E-08	8.68E-09	3.27E-07	1.72E-07	7.31E-08	8.60E-08	3.38E-08	1.72E-07	7.31E-08
2070	495311.06	3859552	5.42E-04	5.29E-04	5.22E-04	1.88E-07	5.66E-07	3.28E-07	3.20E-07	2.90E-07	1.32E-07	1.31E-07	6.26E-09	1.51E-07	3.34E-08	4.34E-08	6.89E-08	1.21E-08	8.61E-09	3.24E-07	1.71E-07	7.26E-08	8.54E-08	3.35E-08	1.71E-07	7.26E-08
2071	495361.06	3859552	5.38E-04	5.25E-04	5.18E-04	1.86E-07	5.62E-07	3.26E-07	3.18E-07	2.88E-07	1.31E-07	1.30E-07	6.22E-09	1.50E-07	3.32E-08	4.31E-08	6.84E-08	1.21E-08	8.55E-09	3.22E-07	1.70E-07	7.21E-08	8.48E-08	3.33E-08	1.70E-07	7.21E-08
2072	495411.06	3859552	5.35E-04	5.22E-04	5.15E-04	1.85E-07	5.59E-07	3.24E-07	3.16E-07	2.86E-07	1.31E-07	1.29E-07	6.18E-09	1.49E-07	3.29E-08	4.29E-08	6.80E-08	1.20E-08	8.50E-09	3.20E-07	1.69E-07	7.16E-08	8.42E-08	3.31E-08	1.69E-07	7.16E-08
2073	495461.06	3859552	5.28E-04	5.15E-04	5.09E-04	1.83E-07	5.52E-07	3.20E-07	3.12E-07	2.83E-07	1.29E-07	1.27E-07	6.10E-09	1.47E-07	3.25E-08	4.23E-08	6.72E-08	1.18E-08	8.39E-09	3.16E-07	1.67E-07	7.07E-08	8.32E-08	3.27E-08	1.67E-07	7.07E-08
2074	495511.06	3859552	5.22E-04	5.09E-04	5.03E-04	1.81E-07	5.46E-07	3.16E-07	3.08E-07	2.79E-07	1.27E-07	1.26E-07	6.03E-09	1.46E-07	3.22E-08	4.18E-08	6.64E-08	1.17E-08	8.30E-09	3.12E-07	1.65E-07	6.99E-08	8.22E-08	3.23E-08	1.65E-07	6.99E-08
2075	495561.06	3859552	5.18E-04	5.05E-04	4.99E-04	1.79E-07	5.41E-07	3.13E-07	3.06E-07	2.77E-07	1.26E-07	1.25E-07	5.99E-09	1.45E-07	3.19E-08	4.15E-08	6.58E-08	1.16E-08	8.23E-09	3.10E-07	1.63E-07	6.93E-08	8.16E-08	3.20E-08	1.63E-07	6.93E-08
2076	495611.06	3859552	5.13E-04	5.01E-04	4.94E-04	1.78E-07	5.36E-07	3.11E-07	3.03E-07	2.75E-07	1.25E-07	1.24E-07	5.93E-09	1.43E-07	3.16E-08	4.11E-08	6.53E-08	1.15E-08	8.16E-09	3.07E-07	1.62E-07	6.87E-08	8.08E-08	3.18E-08	1.62E-07	6.87E-08
2077	495661.06	3859552	5.08E-04	4.96E-04	4.89E-04	1.76E-07	5.31E-07	3.08E-07	3.00E-07	2.72E-07	1.24E-07	1.22E-07	5.87E-09	1.42E-07	3.13E-08	4.07E-08	6.46E-08	1.14E-08	8.08E-09	3.04E-07	1.60E-07	6.81E-08	8.01E-08	3.15E-08	1.60E-07	6.81E-08
2078	494311.06	3859602	6.95E-04	6.78E-04	6.69E-04	2.41E-07	7.26E-07	4.20E-07	4.10E-07	3.72E-07	1.70E-07	1.67E-07	8.03E-09	1.94E-07	4.28E-08	5.57E-08	8.84E-08	1.56E-08	1.10E-08	4.16E-07	2.19E-07	9.31E-08	1.09E-07	4.30E-08	2.19E-07	9.31E-08
2079	494361.06	3859602	6.74E-04	6.57E-04	6.49E-04	2.33E-07	7.04E-07	4.08E-07	3.98E-07	3.61E-07	1.65E-07	1.62E-07	7.79E-09	1.88E-07	4.15E-08	5.40E-08	8.57E-08	1.51E-08	1.07E-08	4.03E-07	2.13E-07	9.02E-08	1.06E-07	4.17E-08	2.13E-07	9.02E-08
2080	494411.06	3859602	6.63E-04	6.47E-04	6.38E-04	2.29E-07	6.93E-07	4.01E-07	3.91E-07	3.55E-07	1.62E-07	1.60E-07	7.66E-09	1.85E-07	4.08E-08	5.31E-08	8.43E-08	1.48E-08	1.05E-08	3.96E-07	2.09E-07	8.87E-08	1.04E-07	4.10E-08	2.09E-07	8.87E-08
2081	494461.06	3859602	6.62E-04	6.46E-04	6.38E-04	2.29E-07	6.92E-07	4.01E-07	3.91E-07	3.54E-07	1.62E-07	1.60E-07	7.65E-09	1.85E-07	4.08E-08	5.31E-08	8.42E-08	1.48E-08	1.05E-08	3.96E-07	2.09E-07	8.87E-08	1.04E-07	4.10E-08	2.09E-07	8.87E-08
2082	494511.06	3859602	6.49E-04	6.33E-04	6.25E-04	2.25E-07	6.78E-07	3.93E-07	3.83E-07	3.47E-07	1.58E-07	1.56E-07	7.50E-09	1.81E-07	4.00E-08	5.20E-08	8.25E-08	1.45E-08	1.03E-08	3.88E-07	2.05E-07	8.69E-08	1.02E-07	4.02E-08	2.05E-07	8.69E-08
2083	494561.06	3859602	6.46E-04	6.31E-04	6.22E-04	2.24E-07	6.76E-07	3.91E-07	3.82E-07	3.46E-07	1.58E-07	1.56E-07	7.47E-09	1.80E-07	3.98E-08	5.18E-08	8.22E-08	1.45E-08	1.03E-08	3.87E-07	2.04E-07	8.66E-08	1.02E-07	4.00E-08	2.04E-07	8.66E-08
2084	494611.06	3859602	6.42E-04	6.27E-04	6.18E-04	2.22E-07	6.71E-07	3.89E-07	3.79E-07	3.44E-07	1.57E-07	1.55E-07	7.42E-09	1.79E-07	3.96E-08	5.15E-08	8.17E-08	1.44E-08	1.02E-08	3.84E-07	2.03E-07	8.60E-08	1.01E-07	3.97E-08	2.03E-07	8.60E-08
2085	494661.06	3859602	6.27E-04	6.12E-04	6.04E-04	2.17E-07	6.55E-07	3.79E-07	3.70E-07	3.36E-07	1.53E-07	1.51E-07	7.25E-09	1.75E-07	3.86E-08	5.03E-08	7.97E-08	1.40E-08	9.96E-09	3.75E-07	1.98E-07	8.39E-08	9.88E-08	3.88E-08	1.98E-07	8.39E-08
2086	494711.06	3859602	6.16E-04	6.01E-04	5.93E-04	2.13E-07	6.44E-07	3.73E-07	3.64E-07	3.30E-07	1.50E-07	1.48E-07	7.12E-09	1.72E-07	3.80E-08	4.94E-08	7.83E-08	1.38E-08	9.79E-09	3.68E-07	1.94E-07	8.25E-08	9.71E-08	3.81E-08	1.94E-07	8.25E-08
2087	494761.06	3859602	6.20E-04	6.05E-04	5.97E-04	2.15E-07	6.48E-07	3.75E-07	3.66E-07	3.32E-07	1.51E-07	1.49E-07	7.16E-09	1.73E-07	3.82E-08	4.97E-08	7.88E-08	1.39E-08	9.85E-09	3.71E-07	1.96E-07	8.30E-08	9.76E-08	3.84E-08	1.96E-07	8.30E-08
2088	494811.06	3859602	6.07E-04	5.92E-04	5.84E-04	2.10E-07	6.34E-07	3.67E-07	3.58E-07	3.25E-07	1.48E-07	1.46E-07	7.02E-09	1.69E-07	3.74E-08	4.87E-08	7.72E-08	1.36E-08	9.65E-09	3.63E-07	1.92E-07	8.13E-08	9.56E-08	3.76E-08	1.92E-07	8.13E-08
2089	494861.06	3859602	6.01E-04	5.87E-04	5.79E-04	2.08E-07	6.28E-07	3.64E-07	3.55E-07	3.22E-07	1.47E-07	1.45E-07	6.95E-09	1.68E-07	3.70E-08	4.82E-08	7.64E-08	1.35E-08	9.56E-09	3.60E-07	1.90E-07	8.05E-08	9.47E-08	3.72E-08	1.90E-07	8.05E-08
2090	494911.06	3859602	5.92E-04	5.77E-04	5.70E-04	2.05E-07	6.18E-07	3.58E-07	3.49E-07	3.17E-07	1.44E-07	1.43E-07	6.84E-09	1.65E-07	3.65E-08	4.74E-08	7.52E-08	1.33E-08	9.40E-09	3.54E-07	1.87E-07	7.92E-08	9.32E-08	3.66E-08	1.87E-07	7.92E-08
2091	494961.06	3859602	5.91E-04	5.76E-04	5.69E-04	2.05E-07	6.17E-07	3.57E-07	3.49E-07	3.16E-07	1.44E-07	1.42E-07	6.83E-09	1.65E-07	3.64E-08	4.74E-08	7.51E-08	1.32E-08	9.39E-09	3.53E-07	1.86E-07	7.91E-08	9.31E-08	3.66E-08	1.86E-07	7.91E-08
2092	495011.06	3859602	5.81E-04	5.67E-04	5.60E-04	2.01E-07	6.08E-07	3.52E-07	3.43E-07	3.11E-07	1.42E-07	1.40E-07	6.72E-09	1.62E-07	3.58E-08	4.66E-08	7.39E-08	1.30E-08	9.24E-09	3.48E-07	1.83E-07	7.78E-08	9.16E-08	3.60E-08	1.83E-07	7.78E-08
2093	495061.06	3859602	5.79E-04	5.65E-04	5.57E-04	2.00E-07	6.05E-07	3.50E-07	3.42E-07	3.10E-07	1.41E-07	1.39E-07	6.69E-09	1.62E-07	3.57E-08	4.64E-08	7.36E-08	1.30E-08	9.20E-09	3.46E-07	1.83E-07	7.75E-08	9.12E-08	3.58E-08	1.83E-07	7.75E-08
2094	495111.06	3859602	5.72E-04	5.58E-04	5.50E-04	1.98E-07	5.98E-07	3.46E-07	3.38E-07	3.06E-07	1.40E-07	1.38E-07	6.61E-09	1.60E-07	3.52E-08	4.58E-08	7.27E-08	1.28E-08	9.09E-09	3.42E-07	1.80E-07	7.66E-08	9.01E-08	3.54E-08	1.80E-07	7.66E-08
2095	495161.06	3859602	5.68E-04	5.55E-04	5.47E-04	1.97E-07	5.94E-07	3.44E-07	3.36E-07	3.04E-07	1.39E-07	1.37E-07	6.57E-09	1.59E-07	3.50E-08	4.56E-08	7.23E-08	1.27E-08	9.03E-09	3.40E-07	1.79E-07	7.61E-08	8.95E-08	3.52E-08	1.79E-07	7.61E-08
2096	495211.06	3859602	5.64E-04	5.50E-04	5.43E-04	1.95E-07	5.89E-07	3.41E-07	3.33E-07	3.02E-07	1.38E-07	1.36E-07	6.52E-09	1.57E-07	3.47E-08	4.52E-08	7.17E-08	1.26E-08	8.96E-09	3.37E-07	1.78E-07	7.55E-08	8.88E-08	3.49E-08	1.78E-07	7.55E-08
2097	495261.06	3859602	5.60E-04	5.47E-04	5.39E-04	1.94E-07	5.85E-07	3.39E-07	3.31E-07	3.00E-07	1.37E-07	1.35E-07	6.47E-09	1.56E-07	3.45E-08	4.49E-08	7.12E-08	1.26E-08	8.90E-09	3.35E-07	1.77E-07	7.50E-08	8.82E-08	3.47E-08	1.77E-07	7.50E-08
2098	495311.06	3859602	5.57E-04	5.44E-04	5.36E-04	1.93E-07	5.82E-07	3.37E-07	3.29E-07	2.98E-07	1.36E-07	1.34E-07	6.44E-09	1.56E-07	3.43E-08	4.47E-08	7.09E-08	1.25E-08	8.86E-09	3.33E-07	1.76E-07	7.46E-08	8.78E-08	3.45E-08	1.76E-07	7.46E-08
2099	495361.06	3859602	5.52E-04	5.39E-04	5.32E-04	1.91E-07	5.77E-07	3.34E-07	3.26E-07	2.96E-07	1.35E-07	1.33E-07	6.38E-09	1.54E-07	3.40E-08	4.43E-08	7.02E-08	1.24E-08	8.78E-09	3.30E-07	1.74E-07	7.39E-08	8.70E-08	3.42E-08	1.74E-07	7.39E-08
2100	495411.06	3859602	5.49E-04	5.36E-04	5.28E-04	1.90E-07	5.74E-07	3.32E-07	3.24E-07	2.94E-07	1.34E-07	1.32E-07	6.34E-09	1.53E-07	3.38E-08	4.40E-08	6.98E-08	1.23E-08	8.72E-09	3.28E-07	1.73E-07	7.35E-08	8.65E-08	3.40E-08	1.73E-07	7.35E-08
2101	495461.06	3859602	5.41E-04	5.28E-04	5.21E-04	1.87E-07	5.65E-07	3.27E-07	3.19E-07	2.90E-07	1.32E-07	1.30E-07	6.25E-09	1.51E-07	3.33E-08	4.34E-08	6.88E-08	1.21E-08	8.60E-09	3.24E-07	1.71E-07	7.24E-08	8.52E-08	3.35E-08	1.71E-07	7.24E-08
2102	495511.06	3859602	5.33E-04	5.20E-04	5.13E-04	1.85E-07	5.57E-07	3.23E-07	3.15E-07	2.85E-07	1.30E-07	1.28E-07	6.16E-09	1.49E-07	3.28E-08	4.27E-08	6.78E-08	1.19E-08	8.47E-09	3.19E-07	1.68E-07	7.14E-08	8.40E-08	3.30E-08	1.68E-07	7.14E-08
2103	495561.06	3859602	5.31E-04	5.19E-04	5.12E-04	1.84E-07	5.55E-07	3.22E-07	3.14E-07	2.84E-07	1.30E-07	1.28E-07	6.14E-09	1.48E-07	3.27E-08	4.26E-08	6.76E-08	1.19E-08	8.45E-09	3.18E-07	1.68E-07	7.12E-08	8.37E-08	3.29E-08	1.68E-07	7.12E-08
2104	495611.06	3859602	5.24E-04	5.11E-04	5.04E-04	1.81E-07	5.47E-07	3.17E-07	3.09E-07	2.80E-07	1.28E-07	1.26E-07	6.05E-09	1.46E-07	3.23E-08	4.20E-08	6.66E-08	1.17E-08	8.32E-09	3.13E-07	1.65E-07	7.01E-08	8.25E-08	3.24E-08	1.65E-07	7.01E-08
2105	495661.06	3859602	5.20E-04	5.08E-04	5.01E-04	1.80E-07	5.44E-07	3.15E-07	3.07E-07	2.78E-07	1.27E-07	1.25E-07	6.01E-09	1.45E-07	3.21E-08	4.17E-08	6.62E-08	1.17E-08	8.27E-09	3.11E-07	1.64E-07	6.97E-08	8.20E-08	3.22E-08	1.64E-07	6.97E-08
2106	494311.06	3859652	7.07E-04	6.89E-04	6.80E-04	2.45E-07	7.38E-07	4.28E-07	4.17E-07	3.78E-07	1.73E-07	1.70E-07	8.17E-09	1.97E-07	4.35E-08	5.66E-08	8.99E-08	1.58E-08	1.12E-08	4.23E-07	2.23E-07	9.46E-08	1.11E-07	4.37E-08	2.23E-07	9.46E-08
2107	494361.06	3859652	6.87E-04	6.70E-04	6.61E-04	2.38E-07	7.18E-07	4.15E-07	4.05E-07	3.67E-07	1.68E-07	1.65E-07	7.94E-09	1.92E-07	4.23E-08	5.50E-08	8.73E-08	1.54E-08	1.09E-08	4.11E-07	2.17E-07	9.19E-08	1.08E-07	4.25E-08	2.17E-07	9.19E-08
2108	494411.06	3859652	6.78E-04	6.62E-04	6.53E-04	2.35E-07	7.09E-07	4.10E-07	4.01E-07	3.63E-07	1.66E-07	1.63E-07	7.84E-09	1.89E-07	4.18E-08	5.44E-08	8.63E-08	1.52E-08	1.08E-08	4.06E-07	2.14E-07	9.08E-08	1.07E-07	4.20E-08	2.14E-07	9.08E-08
2109	494461.06	3859652	6.77E-04	6.61E-04	6.52E-04	2.35E-07	7.08E-07	4.10E-07	4.00E-07	3.63E-07	1.65E-07	1.63E-07	7.83E-09	1.89E-07	4.17E-08	5.43E-08	8.62E-08	1.52E-08	1.08E-08	4.05E-07	2.14E-07	9.07E-08	1.07E-07	4.19E-08	2.14E-07	9.07E-08
2110	494511.06	3859652	6.68E-04	6.52E-04	6.44E-04	2.31E-07	6.99E-07	4.04E-07	3.95E-07	3.58E-07	1.63E-07	1.61E-07	7.73E-09	1.87E-07	4.12E-08	5.36E-08	8.50E-08	1.50E-08	1.06E-08	4.00E-07	2.11E-07	8.95E-08	1.05E-07	4.14E-08	2.11E-07	8.95E-08
2111	494561.06	3859652	6.63E-04	6.47E-04	6.38E-04	2.29E-07	6.93E-07	4.01E-07	3.91E-07	3.55E-07	1.62E-07	1.60E-07	7.66E-09	1.85E-07	4.08E-08	5.31E-08	8.43E-08	1.48E-08	1.05E-08	3.96E-07	2.09E-07	8.87E-08	1.04E-07	4.10E-08	2.09E-07	8.87E-08
2112	494611.06	3859652	6.56E-04	6.40E-04	6.32E-04	2.27E-07	6.86E-07	3.97E-07	3.88E-07	3.51E-07	1.60E-07	1.58E-07	7.59E-09	1.83E-07	4.04E-08	5.26E-08	8.35E-08	1.47E-08	1.04E-08	3.93E-07	2.07E-07	8.79E-08	1.03E-07	4.06E-08	2.07E-07	8.79E-08
2113	494661.06	3859652	6.38E-04	6.23E-04	6.15E-04	2.21E-07	6.67E-07	3.86E-07	3.77E-07	3.42E-07	1.56E-07	1.54E-07	7.38E-09	1.78E-07	3.93E-08	5.12E-08	8.12E-08	1.43E-08	1.01E-08	3.82E-07	2.02E-07	8.55E-08	1.01E-07	3.95E-08	2.02E-07	8.55E-08
2114	494711.06	3859652	6.33E-04	6.18E-04	6.10E-04	2.19E-07	6.62E-07	3.83E-07	3.74E-07	3.39E-07	1.55E-07	1.53E-07	7.32E-09	1.77E-07	3.90E-08	5.08E-08	8.05E-08	1.42E-08	1.01E-08	3.79E-07	2.00E-07	8.48E-08	9.97E-08	3.92E-08	2.00E-07	8.48E-08
2115	494761.06	3859652	6.31E-04	6.16E-04	6.08E-04	2.19E-07	6.60E-07	3.82E-07	3.73E-07	3.38E-07	1.54E-07	1.52E-07	7.30E-09	1.76E-07	3.89E-08	5.06E-08	8.03E-08	1.42E-08	1.00E-08	3.78E-07	1.99E-07	8.46E-08	9.95E-08	3.91E-08	1.99E-07	8.46E-08
2116	494811.06	3859652	6.22E-04	6.07E-04	5.99E-04	2.15E-07	6.50E-07	3.77E-07	3.67E-07	3.33E-07	1.52E-07	1.50E-07	7.19E-09	1.74E-07	3.83E-08	4.99E-08	7.91E-08	1.39E-08	9.89E-09	3.72E-07	1.96E-07	8.33E-08	9.80E-08	3.85E-08	1.96E-07	8.33E-08
2117	494861.06	3859652	6.17E-04	6.02E-04	5.94E-04	2.14E-07	6.45E-07	3.73E-07	3.64E-07	3.30E-07	1.51E-07	1.49E-07	7.13E-09	1.72E-07	3.80E-08	4.95E-08	7.85E-08	1.38E-08	9.81E-09	3.69E-07	1.95E-07	8.26E-08	9.72E-08	3.82E-08	1.95E-07	8.26E-08
2118	494911.06	3859652	6.10E-04	5.95E-04	5.87E-04	2.11E-07	6.37E-07	3.69E-07	3.60E-07	3.26E-07	1.49E-07	1.47E-07	7.05E-09	1.70E-07	3.76E-08	4.89E-08	7.76E-08	1.37E-08	9.69E-09	3.65E-07	1.92E-07	8.17E-08	9.61E-08	3.77E-08	1.92E-07	8.17E-08
2119	494961.06	3859652	6.04E-04	5.90E-04	5.82E-04	2.09E-07	6.32E-07	3.66E-07	3.57E-07	3.24E-07	1.48E-07	1.46E-07	6.99E-09	1.69E-07	3.72E-08	4.85E-08	7.69E-08	1.35E-08	9.61E-09	3.61E-07	1.91E-07	8.09E-08	9.52E-08	3.74E-08	1.91E-07	8.09E-08
2120	495011.06	3859652	5.98E-04	5.84E-04	5.76E-04	2.07E-07	6.25E-07	3.62E-07	3.53E-07	3.20E-07	1.46E-07	1.44E-07	6.92E-09	1.67E-07	3.69E-08	4.80E-08	7.61E-08	1.34E-08	9.51E-09	3.58E-07	1.89E-07	8.01E-08	9.42E-08	3.70E-08	1.89E-07	8.01E-08
2121	495061.06	3859652	5.94E-04	5.80E-04	5.72E-04	2.06E-07	6.21E-07	3.59E-07	3.51E-07	3.18E-07	1.45E-07	1.43E-07	6.87E-09	1.66E-07	3.66E-08	4.76E-08	7.56E-08	1.33E-08	9.44E-09	3.55E-07	1.88E-07	7.96E-08	9.36E-08	3.68E-08	1.88E-07	7.96E-08
2122	495111.06	3859652	5.87E-04	5.73E-04	5.66E-04	2.03E-07	6.14E-07	3.55E-07	3.47E-07	3.14E-07	1.43E-07	1.42E-07	6.79E-09	1.64E-07	3.62E-08	4.71E-08	7.47E-08	1.32E-08	9.34E-09	3.51E-07	1.85E-07	7.87E-08	9.25E-08	3.64E-08	1.85E-07	7.87E-08
2123	495161.06	3859652	5.83E-04	5.69E-04	5.61E-04	2.02E-07	6.09E-07	3.53E-07	3.44E-07	3.12E-07	1.42E-07	1.40E-07	6.74E-09	1.63E-07	3.59E-08	4.67E-08	7.41E-08	1.31E-08	9.27E-09	3.49E-07	1.84E-07	7.81E-08	9.18E-08	3.61E-08	1.84E-07	7.81E-08
2124	495211.06	3859652	5.79E-04	5.65E-04	5.57E-04	2.00E-07	6.05E-07	3.50E-07	3.42E-07	3.10E-07	1.41E-07	1.39E-07	6.69E-09	1.62E-07	3.57E-08	4.64E-08	7.36E-08	1.30E-08	9.20E-09	3.46E-07	1.83E-07	7.75E-08	9.12E-08	3.58E-08	1.83E-07	7.75E-08
2125	495261.06	3859652	5.74E-04	5.60E-04	5.52E-04	1.99E-07	6.00E-07	3.47E-07	3.39E-07	3.07E-07	1.40E-07	1.38E-07	6.63E-09	1.60E-07	3.54E-08	4.60E-08	7.30E-08	1.29E-08	9.12E-09	3.43E-07	1.81E-07	7.68E-08	9.04E-08	3.55E-08	1.81E-07	7.68E-08
2126	495311.06	3859652	5.70E-04	5.56E-04	5.48E-04	1.97E-07	5.95E-07	3.45E-07	3.36E-07	3.05E-07	1.39E-07	1.37E-07	6.58E-09	1.59E-07	3.51E-08	4.57E-08	7.24E-08	1.28E-08	9.05E-09	3.41E-07	1.80E-07	7.63E-08	8.97E-08	3.53E-08	1.80E-07	7.63E-08
2127	495361.06	3859652	5.66E-04	5.52E-04	5.45E-04	1.96E-07	5.91E-07	3.42E-07	3.34E-07	3.03E-07	1.38E-07	1.36E-07	6.54E-09	1.58E-07	3.49E-08	4.54E-08	7.20E-08	1.27E-08	8.99E-09	3.38E-07	1.79E-07	7.58E-08	8.91E-08	3.50E-08	1.79E-07	7.58E-08
2128	495411.06	3859652	5.61E-04	5.47E-04	5.40E-04	1.94E-07	5.86E-07	3.39E-07	3.31E-07	3.00E-07	1.37E-07	1.35E-07	6.48E-09	1.57E-07	3.46E-08	4.50E-08	7.13E-08	1.26E-08	8.92E-09	3.35E-07	1.77E-07	7.51E-08	8.84E-08	3.47E-08	1.77E-07	7.51E-08
2129	495461.06	3859652	5.53E-04	5.40E-04	5.32E-04	1.91E-07	5.78E-07	3.35E-07	3.27E-07	2.96E-07	1.35E-07	1.33E-07	6.39E-09	1.54E-07	3.41E-08	4.43E-08	7.03E-08	1.24E-08	8.79E-09	3.31E-07	1.75E-07	7.41E-08	8.71E-08	3.42E-08	1.75E-07	7.41E-08
2130	495511.06	3859652	5.47E-04	5.34E-04	5.27E-04	1.89E-07	5.72E-07	3.31E-07	3.23E-07	2.93E-07	1.34E-07	1.32E-07	6.32E-09	1.53E-07	3.37E-08	4.38E-08	6.95E-08	1.23E-08	8.69E-09	3.27E-07	1.73E-07	7.32E-08	8.61E-08	3.38E-08	1.73E-07	7.32E-08
2131	495561.06	3859652	5.43E-04	5.30E-04	5.23E-04	1.88E-07	5.67E-07	3.28E-07	3.20E-07	2.90E-07	1.33E-07	1.31E-07	6.27E-09	1.52E-07	3.34E-08	4.35E-08	6.90E-08	1.22E-08	8.63E-09	3.25E-07	1.71E-07	7.27E-08	8.55E-08	3.36E-08	1.71E-07	7.27E-08
2132	495611.06	3859652	5.38E-04	5.25E-04	5.18E-04	1.86E-07	5.62E-07	3.26E-07	3.18E-07	2.88E-07	1.31E-07	1.30E-07	6.22E-09	1.50E-07	3.32E-08	4.31E-08	6.84E-08	1.21E-08	8.55E-09	3.22E-07	1.70E-07	7.21E-08	8.48E-08	3.33E-08	1.70E-07	7.21E-08
2133	495661.06	3859652	5.32E-04	5.19E-04	5.13E-04	1.84E-07	5.56E-07	3.22E-07	3.14E-07	2.85E-07	1.30E-07	1.28E-07	6.15E-09	1.49E-07	3.28E-08	4.27E-08	6.77E-08	1.19E-08	8.46E-09	3.18E-07	1.68E-07	7.13E-08	8.39E-08	3.29E-08	1.68E-07	7.13E-08
2134	494311.06	3859702	7.05E-04	6.88E-04	6.79E-04	2.44E-07	7.37E-07	4.27E-07	4.16E-07	3.77E-07	1.72E-07	1.70E-07	8.15E-09	1.97E-07	4.35E-08	5.65E-08	8.97E-08	1.58E-08	1.12E-08	4.22E-07	2.23E-07	9.44E-08	1.11E-07	4.36E-08	2.23E-07	9.44E-08
2135	494361.06	3859702	6.97E-04	6.80E-04	6.71E-04	2.41E-07	7.29E-07	4.22E-07	4.12E-07	3.73E-07	1.70E-07	1.68E-07	8.06E-09	1.95E-07	4.29E-08	5.59E-08	8.86E-08	1.56E-08	1.11E-08	4.17E-07	2.20E-07	9.33E-08	1.10E-07	4.31E-08	2.20E-07	9.33E-08
2136	494411.06	3859702	6.92E-04	6.75E-04	6.66E-04	2.39E-07	7.23E-07	4.18E-07	4.08E-07	3.70E-07	1.69E-07	1.67E-07	7.99E-09	1.93E-07	4.26E-08	5.54E-08	8.80E-08	1.55E-08	1.10E-08	4.14E-07	2.18E-07	9.26E-08	1.09E-07	4.28E-08	2.18E-07	9.26E-08
2137	494461.06	3859702	6.93E-04	6.76E-04	6.67E-04	2.40E-07	7.24E-07	4.19E-07	4.09E-07	3.71E-07	1.69E-07	1.67E-07	8.01E-09	1.93E-07	4.27E-08	5.55E-08	8.81E-08	1.55E-08	1.10E-08	4.14E-07	2.19E-07	9.28E-08	1.09E-07	4.29E-08	2.19E-07	9.28E-08
2138	494511.06	3859702	6.85E-04	6.68E-04	6.60E-04	2.37E-07	7.16E-07	4.14E-07	4.04E-07	3.67E-07	1.67E-07	1.65E-07	7.92E-09	1.91E-07	4.22E-08	5.49E-08	8.71E-08	1.54E-08	1.09E-08	4.10E-07	2.16E-07	9.17E-08	1.08E-07	4.24E-08	2.16E-07	9.17E-08
2139	494561.06	3859702	6.79E-04	6.63E-04	6.54E-04	2.35E-07	7.10E-07	4.11E-07	4.01E-07	3.64E-07	1.66E-07	1.64E-07	7.85E-09	1.90E-07	4.18E-08	5.44E-08	8.64E-08	1.52E-08	1.08E-08	4.06E-07	2.14E-07	9.09E-08	1.07E-07	4.20E-08	2.14E-07	9.09E-08

2140	494611.06	3859702	6.73E-04	6.57E-04	6.48E-04	2.33E-07	7.04E-07	4.07E-07	3.98E-07	3.60E-07	1.64E-07	1.62E-07	7.78E-09	1.88E-07	4.15E-08	5.40E-08	8.56E-08	1.51E-08	1.07E-08	4.03E-07	2.13E-07	9.02E-08	1.06E-07	4.17E-08	2.13E-07	9.02E-08
2141	494661.06	3859702	6.55E-04	6.39E-04	6.31E-04	2.27E-07	6.85E-07	3.96E-07	3.87E-07	3.51E-07	1.60E-07	1.58E-07	7.57E-09	1.83E-07	4.04E-08	5.25E-08	8.33E-08	1.47E-08	1.04E-08	3.92E-07	2.07E-07	8.77E-08	1.03E-07	4.05E-08	2.07E-07	8.77E-08
2142	494711.06	3859702	6.52E-04	6.36E-04	6.28E-04	2.26E-07	6.82E-07	3.95E-07	3.85E-07	3.49E-07	1.59E-07	1.57E-07	7.54E-09	1.82E-07	4.02E-08	5.23E-08	8.29E-08	1.46E-08	1.04E-08	3.90E-07	2.06E-07	8.73E-08	1.03E-07	4.04E-08	2.06E-07	8.73E-08
2143	494761.06	3859702	6.43E-04	6.28E-04	6.20E-04	2.23E-07	6.73E-07	3.89E-07	3.80E-07	3.44E-07	1.57E-07	1.55E-07	7.44E-09	1.80E-07	3.96E-08	5.16E-08	8.18E-08	1.44E-08	1.02E-08	3.85E-07	2.03E-07	8.62E-08	1.01E-07	3.98E-08	2.03E-07	8.62E-08
2144	494811.06	3859702	6.35E-04	6.20E-04	6.12E-04	2.20E-07	6.64E-07	3.84E-07	3.75E-07	3.40E-07	1.55E-07	1.53E-07	7.34E-09	1.77E-07	3.91E-08	5.09E-08	8.08E-08	1.42E-08	1.01E-08	3.80E-07	2.00E-07	8.51E-08	1.00E-07	3.93E-08	2.00E-07	8.51E-08
2145	494861.06	3859702	6.33E-04	6.18E-04	6.10E-04	2.19E-07	6.62E-07	3.83E-07	3.74E-07	3.39E-07	1.55E-07	1.53E-07	7.32E-09	1.77E-07	3.90E-08	5.08E-08	8.05E-08	1.42E-08	1.01E-08	3.79E-07	2.00E-07	8.48E-08	9.97E-08	3.92E-08	2.00E-07	8.48E-08
2146	494911.06	3859702	6.26E-04	6.11E-04	6.03E-04	2.17E-07	6.54E-07	3.79E-07	3.70E-07	3.35E-07	1.53E-07	1.51E-07	7.24E-09	1.75E-07	3.86E-08	5.02E-08	7.96E-08	1.40E-08	9.95E-09	3.74E-07	1.98E-07	8.38E-08	9.86E-08	3.87E-08	1.98E-07	8.38E-08
2147	494961.06	3859702	6.19E-04	6.04E-04	5.96E-04	2.14E-07	6.47E-07	3.75E-07	3.65E-07	3.31E-07	1.51E-07	1.49E-07	7.16E-09	1.73E-07	3.81E-08	4.96E-08	7.87E-08	1.39E-08	9.84E-09	3.70E-07	1.95E-07	8.29E-08	9.75E-08	3.83E-08	1.95E-07	8.29E-08
2148	495011.06	3859702	6.15E-04	6.00E-04	5.92E-04	2.13E-07	6.43E-07	3.72E-07	3.63E-07	3.29E-07	1.50E-07	1.48E-07	7.11E-09	1.72E-07	3.79E-08	4.93E-08	7.82E-08	1.38E-08	9.78E-09	3.68E-07	1.94E-07	8.24E-08	9.69E-08	3.81E-08	1.94E-07	8.24E-08
2149	495061.06	3859702	6.09E-04	5.95E-04	5.87E-04	2.11E-07	6.37E-07	3.69E-07	3.60E-07	3.26E-07	1.49E-07	1.47E-07	7.04E-09	1.70E-07	3.76E-08	4.89E-08	7.75E-08	1.37E-08	9.69E-09	3.64E-07	1.92E-07	8.16E-08	9.60E-08	3.77E-08	1.92E-07	8.16E-08
2150	495111.06	3859702	6.04E-04	5.89E-04	5.81E-04	2.09E-07	6.31E-07	3.65E-07	3.56E-07	3.23E-07	1.47E-07	1.45E-07	6.98E-09	1.69E-07	3.72E-08	4.84E-08	7.68E-08	1.35E-08	9.60E-09	3.61E-07	1.91E-07	8.08E-08	9.51E-08	3.74E-08	1.91E-07	8.08E-08
2151	495161.06	3859702	5.97E-04	5.83E-04	5.75E-04	2.07E-07	6.24E-07	3.61E-07	3.53E-07	3.20E-07	1.46E-07	1.44E-07	6.91E-09	1.67E-07	3.68E-08	4.79E-08	7.60E-08	1.34E-08	9.50E-09	3.57E-07	1.89E-07	8.00E-08	9.41E-08	3.70E-08	1.89E-07	8.00E-08
2152	495211.06	3859702	5.91E-04	5.76E-04	5.69E-04	2.05E-07	6.17E-07	3.57E-07	3.49E-07	3.16E-07	1.44E-07	1.42E-07	6.83E-09	1.65E-07	3.64E-08	4.74E-08	7.51E-08	1.32E-08	9.39E-09	3.53E-07	1.86E-07	7.91E-08	9.31E-08	3.66E-08	1.86E-07	7.91E-08
2153	495261.06	3859702	5.89E-04	5.74E-04	5.67E-04	2.04E-07	6.15E-07	3.56E-07	3.48E-07	3.15E-07	1.44E-07	1.42E-07	6.81E-09	1.64E-07	3.63E-08	4.72E-08	7.49E-08	1.32E-08	9.36E-09	3.52E-07	1.86E-07	7.88E-08	9.27E-08	3.64E-08	1.86E-07	7.88E-08
2154	495311.06	3859702	5.83E-04	5.69E-04	5.61E-04	2.02E-07	6.09E-07	3.53E-07	3.44E-07	3.12E-07	1.42E-07	1.40E-07	6.74E-09	1.63E-07	3.59E-08	4.67E-08	7.41E-08	1.31E-08	9.27E-09	3.49E-07	1.84E-07	7.81E-08	9.18E-08	3.61E-08	1.84E-07	7.81E-08
2155	495361.06	3859702	5.78E-04	5.64E-04	5.56E-04	2.00E-07	6.04E-07	3.50E-07	3.41E-07	3.09E-07	1.41E-07	1.39E-07	6.68E-09	1.61E-07	3.56E-08	4.63E-08	7.35E-08	1.30E-08	9.19E-09	3.46E-07	1.82E-07	7.74E-08	9.10E-08	3.58E-08	1.82E-07	7.74E-08
2156	495411.06	3859702	5.71E-04	5.57E-04	5.50E-04	1.98E-07	5.97E-07	3.45E-07	3.37E-07	3.06E-07	1.39E-07	1.38E-07	6.60E-09	1.59E-07	3.52E-08	4.58E-08	7.26E-08	1.28E-08	9.07E-09	3.41E-07	1.80E-07	7.64E-08	8.99E-08	3.53E-08	1.80E-07	7.64E-08
2157	495461.06	3859702	5.65E-04	5.51E-04	5.44E-04	1.96E-07	5.91E-07	3.42E-07	3.34E-07	3.02E-07	1.38E-07	1.36E-07	6.53E-09	1.58E-07	3.48E-08	4.53E-08	7.19E-08	1.27E-08	8.98E-09	3.38E-07	1.78E-07	7.57E-08	8.90E-08	3.50E-08	1.78E-07	7.57E-08
2158	495511.06	3859702	5.56E-04	5.43E-04	5.36E-04	1.93E-07	5.82E-07	3.37E-07	3.28E-07	2.98E-07	1.36E-07	1.34E-07	6.43E-09	1.55E-07	3.43E-08	4.46E-08	7.08E-08	1.25E-08	8.84E-09	3.33E-07	1.76E-07	7.45E-08	8.76E-08	3.44E-08	1.76E-07	7.45E-08
2159	495561.06	3859702	5.56E-04	5.42E-04	5.35E-04	1.92E-07	5.81E-07	3.36E-07	3.28E-07	2.97E-07	1.36E-07	1.34E-07	6.42E-09	1.55E-07	3.42E-08	4.45E-08	7.06E-08	1.25E-08	8.83E-09	3.32E-07	1.75E-07	7.44E-08	8.75E-08	3.44E-08	1.75E-07	7.44E-08
2160	495611.06	3859702	5.51E-04	5.37E-04	5.30E-04	1.91E-07	5.75E-07	3.33E-07	3.25E-07	2.95E-07	1.34E-07	1.33E-07	6.36E-09	1.54E-07	3.39E-08	4.41E-08	7.00E-08	1.23E-08	8.75E-09	3.29E-07	1.74E-07	7.37E-08	8.67E-08	3.41E-08	1.74E-07	7.37E-08
2161	495661.06	3859702	5.45E-04	5.32E-04	5.25E-04	1.89E-07	5.70E-07	3.30E-07	3.22E-07	2.92E-07	1.33E-07	1.31E-07	6.30E-09	1.52E-07	3.36E-08	4.37E-08	6.93E-08	1.22E-08	8.67E-09	3.26E-07	1.72E-07	7.30E-08	8.59E-08	3.37E-08	1.72E-07	7.30E-08
2162	494311.06	3859752	7.26E-04	7.09E-04	6.99E-04	2.51E-07	7.59E-07	4.40E-07	4.29E-07	3.89E-07	1.77E-07	1.75E-07	8.40E-09	2.03E-07	4.48E-08	5.82E-08	9.24E-08	1.63E-08	1.15E-08	4.34E-07	2.29E-07	9.73E-08	1.14E-07	4.50E-08	2.29E-07	9.73E-08
2163	494361.06	3859752	7.18E-04	7.00E-04	6.91E-04	2.48E-07	7.50E-07	4.34E-07	4.24E-07	3.84E-07	1.75E-07	1.73E-07	8.30E-09	2.00E-07	4.42E-08	5.75E-08	9.13E-08	1.61E-08	1.14E-08	4.29E-07	2.27E-07	9.61E-08	1.13E-07	4.44E-08	2.27E-07	9.61E-08
2164	494411.06	3859752	7.07E-04	6.90E-04	6.81E-04	2.45E-07	7.39E-07	4.28E-07	4.18E-07	3.79E-07	1.73E-07	1.70E-07	8.18E-09	1.98E-07	4.36E-08	5.67E-08	9.00E-08	1.59E-08	1.12E-08	4.23E-07	2.23E-07	9.47E-08	1.11E-07	4.38E-08	2.23E-07	9.47E-08
2165	494461.06	3859752	7.07E-04	6.90E-04	6.81E-04	2.45E-07	7.39E-07	4.28E-07	4.17E-07	3.78E-07	1.73E-07	1.70E-07	8.17E-09	1.97E-07	4.36E-08	5.67E-08	8.99E-08	1.58E-08	1.12E-08	4.23E-07	2.23E-07	9.47E-08	1.11E-07	4.38E-08	2.23E-07	9.47E-08
2166	494511.06	3859752	7.04E-04	6.87E-04	6.77E-04	2.44E-07	7.35E-07	4.26E-07	4.15E-07	3.77E-07	1.72E-07	1.70E-07	8.13E-09	1.96E-07	4.34E-08	5.64E-08	8.95E-08	1.58E-08	1.12E-08	4.21E-07	2.22E-07	9.42E-08	1.11E-07	4.35E-08	2.22E-07	9.42E-08
2167	494561.06	3859752	6.96E-04	6.79E-04	6.70E-04	2.41E-07	7.27E-07	4.21E-07	4.11E-07	3.72E-07	1.70E-07	1.68E-07	8.04E-09	1.94E-07	4.29E-08	5.58E-08	8.85E-08	1.56E-08	1.11E-08	4.16E-07	2.20E-07	9.32E-08	1.10E-07	4.31E-08	2.20E-07	9.32E-08
2168	494611.06	3859752	6.86E-04	6.69E-04	6.60E-04	2.37E-07	7.17E-07	4.15E-07	4.05E-07	3.67E-07	1.67E-07	1.65E-07	7.93E-09	1.91E-07	4.23E-08	5.50E-08	8.72E-08	1.54E-08	1.09E-08	4.10E-07	2.16E-07	9.18E-08	1.08E-07	4.24E-08	2.16E-07	9.18E-08
2169	494661.06	3859752	6.69E-04	6.53E-04	6.44E-04	2.32E-07	6.99E-07	4.05E-07	3.95E-07	3.58E-07	1.63E-07	1.61E-07	7.74E-09	1.87E-07	4.12E-08	5.36E-08	8.51E-08	1.50E-08	1.06E-08	4.00E-07	2.11E-07	8.96E-08	1.05E-07	4.14E-08	2.11E-07	8.96E-08
2170	494711.06	3859752	6.69E-04	6.53E-04	6.44E-04	2.32E-07	6.99E-07	4.05E-07	3.95E-07	3.58E-07	1.63E-07	1.61E-07	7.73E-09	1.87E-07	4.12E-08	5.36E-08	8.50E-08	1.50E-08	1.06E-08	4.00E-07	2.11E-07	8.96E-08	1.05E-07	4.14E-08	2.11E-07	8.96E-08
2171	494761.06	3859752	6.64E-04	6.48E-04	6.39E-04	2.30E-07	6.94E-07	4.02E-07	3.92E-07	3.55E-07	1.62E-07	1.60E-07	7.67E-09	1.85E-07	4.09E-08	5.32E-08	8.44E-08	1.49E-08	1.06E-08	3.97E-07	2.10E-07	8.89E-08	1.05E-07	4.11E-08	2.10E-07	8.89E-08
2172	494811.06	3859752	6.56E-04	6.40E-04	6.31E-04	2.27E-07	6.85E-07	3.97E-07	3.87E-07	3.51E-07	1.60E-07	1.58E-07	7.58E-09	1.83E-07	4.04E-08	5.25E-08	8.34E-08	1.47E-08	1.04E-08	3.92E-07	2.07E-07	8.78E-08	1.03E-07	4.06E-08	2.07E-07	8.78E-08
2173	494861.06	3859752	6.49E-04	6.34E-04	6.25E-04	2.25E-07	6.79E-07	3.93E-07	3.83E-07	3.48E-07	1.59E-07	1.56E-07	7.51E-09	1.81E-07	4.00E-08	5.20E-08	8.26E-08	1.46E-08	1.03E-08	3.88E-07	2.05E-07	8.69E-08	1.02E-07	4.02E-08	2.05E-07	8.69E-08
2174	494911.06	3859752	6.43E-04	6.28E-04	6.20E-04	2.23E-07	6.73E-07	3.89E-07	3.80E-07	3.44E-07	1.57E-07	1.55E-07	7.44E-09	1.80E-07	3.96E-08	5.16E-08	8.18E-08	1.44E-08	1.02E-08	3.85E-07	2.03E-07	8.62E-08	1.01E-07	3.98E-08	2.03E-07	8.62E-08
2175	494961.06	3859752	6.38E-04	6.22E-04	6.14E-04	2.21E-07	6.66E-07	3.86E-07	3.77E-07	3.41E-07	1.56E-07	1.54E-07	7.37E-09	1.78E-07	3.93E-08	5.11E-08	8.11E-08	1.43E-08	1.01E-08	3.81E-07	2.01E-07	8.54E-08	1.00E-07	3.95E-08	2.01E-07	8.54E-08
2176	495011.06	3859752	6.31E-04	6.16E-04	6.08E-04	2.19E-07	6.60E-07	3.82E-07	3.73E-07	3.38E-07	1.54E-07	1.52E-07	7.30E-09	1.76E-07	3.89E-08	5.06E-08	8.03E-08	1.42E-08	1.00E-08	3.78E-07	1.99E-07	8.46E-08	9.95E-08	3.91E-08	1.99E-07	8.46E-08
2177	495061.06	3859752	6.27E-04	6.12E-04	6.04E-04	2.17E-07	6.55E-07	3.79E-07	3.70E-07	3.36E-07	1.53E-07	1.51E-07	7.25E-09	1.75E-07	3.86E-08	5.03E-08	7.97E-08	1.40E-08	9.96E-09	3.75E-07	1.98E-07	8.39E-08	9.88E-08	3.88E-08	1.98E-07	8.39E-08
2178	495111.06	3859752	6.21E-04	6.06E-04	5.98E-04	2.15E-07	6.49E-07	3.76E-07	3.66E-07	3.32E-07	1.52E-07	1.50E-07	7.17E-09	1.73E-07	3.82E-08	4.98E-08	7.89E-08	1.39E-08	9.87E-09	3.71E-07	1.96E-07	8.31E-08	9.78E-08	3.84E-08	1.96E-07	8.31E-08
2179	495161.06	3859752	6.14E-04	6.00E-04	5.92E-04	2.13E-07	6.42E-07	3.72E-07	3.63E-07	3.29E-07	1.50E-07	1.48E-07	7.10E-09	1.72E-07	3.79E-08	4.93E-08	7.81E-08	1.38E-08	9.77E-09	3.67E-07	1.94E-07	8.23E-08	9.68E-08	3.80E-08	1.94E-07	8.23E-08
2180	495211.06	3859752	6.08E-04	5.93E-04	5.85E-04	2.10E-07	6.35E-07	3.68E-07	3.59E-07	3.25E-07	1.48E-07	1.46E-07	7.03E-09	1.70E-07	3.74E-08	4.87E-08	7.73E-08	1.36E-08	9.66E-09	3.63E-07	1.92E-07	8.14E-08	9.57E-08	3.76E-08	1.92E-07	8.14E-08
2181	495261.06	3859752	6.03E-04	5.89E-04	5.81E-04	2.09E-07	6.31E-07	3.65E-07	3.56E-07	3.23E-07	1.47E-07	1.45E-07	6.97E-09	1.68E-07	3.72E-08	4.84E-08	7.67E-08	1.35E-08	9.59E-09	3.61E-07	1.90E-07	8.08E-08	9.50E-08	3.73E-08	1.90E-07	8.08E-08
2182	495311.06	3859752	5.97E-04	5.83E-04	5.75E-04	2.07E-07	6.24E-07	3.61E-07	3.53E-07	3.20E-07	1.46E-07	1.44E-07	6.91E-09	1.67E-07	3.68E-08	4.79E-08	7.60E-08	1.34E-08	9.50E-09	3.57E-07	1.89E-07	8.00E-08	9.41E-08	3.70E-08	1.89E-07	8.00E-08
2183	495361.06	3859752	5.92E-04	5.78E-04	5.70E-04	2.05E-07	6.19E-07	3.58E-07	3.50E-07	3.17E-07	1.45E-07	1.43E-07	6.84E-09	1.65E-07	3.65E-08	4.75E-08	7.53E-08	1.33E-08	9.41E-09	3.54E-07	1.87E-07	7.93E-08	9.33E-08	3.66E-08	1.87E-07	7.93E-08
2184	495411.06	3859752	5.87E-04	5.72E-04	5.65E-04	2.03E-07	6.13E-07	3.55E-07	3.46E-07	3.14E-07	1.43E-07	1.41E-07	6.78E-09	1.64E-07	3.61E-08	4.70E-08	7.46E-08	1.31E-08	9.32E-09	3.51E-07	1.85E-07	7.86E-08	9.24E-08	3.63E-08	1.85E-07	7.86E-08
2185	495461.06	3859752	5.80E-04	5.66E-04	5.58E-04	2.01E-07	6.06E-07	3.51E-07	3.42E-07	3.10E-07	1.42E-07	1.40E-07	6.70E-09	1.62E-07	3.57E-08	4.65E-08	7.37E-08	1.30E-08	9.21E-09	3.47E-07	1.83E-07	7.76E-08	9.13E-08	3.59E-08	1.83E-07	7.76E-08
2186	495511.06	3859752	5.72E-04	5.58E-04	5.51E-04	1.98E-07	5.98E-07	3.46E-07	3.38E-07	3.06E-07	1.40E-07	1.38E-07	6.61E-09	1.60E-07	3.52E-08	4.59E-08	7.28E-08	1.28E-08	9.09E-09	3.42E-07	1.81E-07	7.66E-08	9.01E-08	3.54E-08	1.81E-07	7.66E-08
2187	495561.06	3859752	5.68E-04	5.54E-04	5.46E-04	1.96E-07	5.93E-07	3.43E-07	3.35E-07	3.04E-07	1.39E-07	1.37E-07	6.56E-09	1.58E-07	3.50E-08	4.55E-08	7.22E-08	1.27E-08	9.02E-09	3.39E-07	1.79E-07	7.60E-08	8.94E-08	3.51E-08	1.79E-07	7.60E-08
2188	495611.06	3859752	5.63E-04	5.49E-04	5.42E-04	1.95E-07	5.88E-07	3.40E-07	3.32E-07	3.01E-07	1.37E-07	1.36E-07	6.50E-09	1.57E-07	3.47E-08	4.51E-08	7.15E-08	1.26E-08	8.94E-09	3.36E-07	1.78E-07	7.53E-08	8.86E-08	3.48E-08	1.78E-07	7.53E-08
2189	495661.06	3859752	5.59E-04	5.45E-04	5.38E-04	1.93E-07	5.84E-07	3.38E-07	3.30E-07	2.99E-07	1.36E-07	1.35E-07	6.46E-09	1.56E-07	3.44E-08	4.48E-08	7.11E-08	1.25E-08	8.88E-09	3.34E-07	1.76E-07	7.48E-08	8.80E-08	3.46E-08	1.76E-07	7.48E-08
2190	494311.06	3859802	7.48E-04	7.30E-04	7.20E-04	2.59E-07	7.82E-07	4.53E-07	4.42E-07	4.00E-07	1.83E-07	1.80E-07	8.65E-09	2.09E-07	4.61E-08	6.00E-08	9.51E-08	1.68E-08	1.19E-08	4.47E-07	2.36E-07	1.00E-07	1.18E-07	4.63E-08	2.36E-07	1.00E-07
2191	494361.06	3859802	7.35E-04	7.17E-04	7.08E-04	2.54E-07	7.68E-07	4.45E-07	4.34E-07	3.93E-07	1.80E-07	1.77E-07	8.50E-09	2.05E-07	4.53E-08	5.89E-08	9.35E-08	1.65E-08	1.17E-08	4.40E-07	2.32E-07	9.84E-08	1.16E-07	4.55E-08	2.32E-07	9.84E-08
2192	494411.06	3859802	7.22E-04	7.05E-04	6.95E-04	2.50E-07	7.55E-07	4.37E-07	4.26E-07	3.87E-07	1.76E-07	1.74E-07	8.35E-09	2.02E-07	4.45E-08	5.79E-08	9.19E-08	1.62E-08	1.15E-08	4.32E-07	2.28E-07	9.67E-08	1.14E-07	4.47E-08	2.28E-07	9.67E-08
2193	494461.06	3859802	7.21E-04	7.04E-04	6.94E-04	2.50E-07	7.54E-07	4.36E-07	4.26E-07	3.86E-07	1.76E-07	1.74E-07	8.34E-09	2.01E-07	4.44E-08	5.78E-08	9.17E-08	1.62E-08	1.15E-08	4.31E-07	2.28E-07	9.66E-08	1.14E-07	4.46E-08	2.28E-07	9.66E-08
2194	494511.06	3859802	7.21E-04	7.04E-04	6.94E-04	2.50E-07	7.54E-07	4.36E-07	4.26E-07	3.86E-07	1.76E-07	1.74E-07	8.34E-09	2.01E-07	4.44E-08	5.78E-08	9.17E-08	1.62E-08	1.15E-08	4.31E-07	2.28E-07	9.66E-08	1.14E-07	4.46E-08	2.28E-07	9.66E-08
2195	494561.06	3859802	7.14E-04	6.96E-04	6.87E-04	2.47E-07	7.46E-07	4.32E-07	4.21E-07	3.82E-07	1.74E-07	1.72E-07	8.25E-09	1.99E-07	4.40E-08	5.72E-08	9.07E-08	1.60E-08	1.13E-08	4.27E-07	2.25E-07	9.56E-08	1.12E-07	4.42E-08	2.25E-07	9.56E-08
2196	494611.06	3859802	6.99E-04	6.82E-04	6.73E-04	2.42E-07	7.31E-07	4.23E-07	4.13E-07	3.74E-07	1.71E-07	1.68E-07	8.08E-09	1.95E-07	4.31E-08	5.60E-08	8.89E-08	1.57E-08	1.11E-08	4.18E-07	2.21E-07	9.36E-08	1.10E-07	4.33E-08	2.21E-07	9.36E-08
2197	494661.06	3859802	6.91E-04	6.74E-04	6.65E-04	2.39E-07	7.22E-07	4.18E-07	4.08E-07	3.70E-07	1.69E-07	1.66E-07	7.98E-09	1.93E-07	4.26E-08	5.54E-08	8.78E-08	1.55E-08	1.10E-08	4.13E-07	2.18E-07	9.25E-08	1.09E-07	4.28E-08	2.18E-07	9.25E-08
2198	494711.06	3859802	6.81E-04	6.64E-04	6.56E-04	2.36E-07	7.12E-07	4.12E-07	4.02E-07	3.64E-07	1.66E-07	1.64E-07	7.87E-09	1.90E-07	4.19E-08	5.46E-08	8.66E-08	1.53E-08	1.08E-08	4.07E-07	2.15E-07	9.12E-08	1.07E-07	4.21E-08	2.15E-07	9.12E-08
2199	494761.06	3859802	6.80E-04	6.64E-04	6.55E-04	2.36E-07	7.11E-07	4.12E-07	4.02E-07	3.64E-07	1.66E-07	1.64E-07	7.87E-09	1.90E-07	4.19E-08	5.45E-08	8.65E-08	1.52E-08	1.08E-08	4.07E-07	2.15E-07	9.11E-08	1.07E-07	4.21E-08	2.15E-07	9.11E-08
2200	494811.06	3859802	6.73E-04	6.56E-04	6.48E-04	2.33E-07	7.03E-07	4.07E-07	3.97E-07	3.60E-07	1.64E-07	1.62E-07	7.77E-09	1.88E-07	4.14E-08	5.39E-08	8.55E-08	1.51E-08	1.07E-08	4.02E-07	2.12E-07	9.01E-08	1.06E-07	4.16E-08	2.12E-07	9.01E-08
2201	494861.06	3859802	6.67E-04	6.51E-04	6.42E-04	2.31E-07	6.97E-07	4.04E-07	3.94E-07	3.57E-07	1.63E-07	1.61E-07	7.71E-09	1.86E-07	4.11E-08	5.35E-08	8.48E-08	1.50E-08	1.06E-08	3.99E-07	2.11E-07	8.93E-08	1.05E-07	4.13E-08	2.11E-07	8.93E-08
2202	494911.06	3859802	6.59E-04	6.43E-04	6.34E-04	2.28E-07	6.89E-07	3.99E-07	3.89E-07	3.53E-07	1.61E-07	1.59E-07	7.62E-09	1.84E-07	4.06E-08	5.28E-08	8.38E-08	1.48E-08	1.05E-08	3.94E-07	2.08E-07	8.82E-08	1.04E-07	4.08E-08	2.08E-07	8.82E-08
2203	494961.06	3859802	6.53E-04	6.37E-04	6.28E-04	2.26E-07	6.82E-07	3.95E-07	3.85E-07	3.49E-07	1.59E-07	1.57E-07	7.54E-09	1.82E-07	4.02E-08	5.23E-08	8.30E-08	1.46E-08	1.04E-08	3.90E-07	2.06E-07	8.74E-08	1.03E-07	4.04E-08	2.06E-07	8.74E-08
2204	495011.06	3859802	6.47E-04	6.31E-04	6.23E-04	2.24E-07	6.76E-07	3.91E-07	3.82E-07	3.46E-07	1.58E-07	1.56E-07	7.48E-09	1.81E-07	3.99E-08	5.18E-08	8.23E-08	1.45E-08	1.03E-08	3.87E-07	2.04E-07	8.66E-08	1.02E-07	4.00E-08	2.04E-07	8.66E-08
2205	495061.06	3859802	6.41E-04	6.26E-04	6.18E-04	2.22E-07	6.70E-07	3.88E-07	3.79E-07	3.43E-07	1.57E-07	1.55E-07	7.41E-09	1.79E-07	3.95E-08	5.14E-08	8.16E-08	1.44E-08	1.02E-08	3.84E-07	2.02E-07	8.59E-08	1.01E-07	3.97E-08	2.02E-07	8.59E-08
2206	495111.06	3859802	6.34E-04	6.19E-04	6.11E-04	2.20E-07	6.63E-07	3.84E-07	3.75E-07	3.40E-07	1.55E-07	1.53E-07	7.33E-09	1.77E-07	3.91E-08	5.09E-08	8.07E-08	1.42E-08	1.01E-08	3.79E-07	2.00E-07	8.49E-08	9.99E-08	3.93E-08	2.00E-07	8.49E-08
2207	495161.06	3859802	6.27E-04	6.12E-04	6.04E-04	2.17E-07	6.56E-07	3.80E-07	3.70E-07	3.36E-07	1.53E-07	1.51E-07	7.25E-09	1.75E-07	3.86E-08	5.03E-08	7.98E-08	1.41E-08	9.97E-09	3.75E-07	1.98E-07	8.40E-08	9.88E-08	3.88E-08	1.98E-07	8.40E-08
2208	495211.06	3859802	6.23E-04	6.08E-04	6.00E-04	2.16E-07	6.51E-07	3.77E-07	3.68E-07	3.33E-07	1.52E-07	1.50E-07	7.20E-09	1.74E-07	3.84E-08	4.99E-08	7.92E-08	1.40E-08	9.90E-09	3.72E-07	1.97E-07	8.34E-08	9.81E-08	3.85E-08	1.97E-07	8.34E-08
2209	495261.06	3859802	6.16E-04	6.01E-04	5.93E-04	2.13E-07	6.44E-07	3.73E-07	3.64E-07	3.30E-07	1.50E-07	1.48E-07	7.12E-09	1.72E-07	3.80E-08	4.94E-08	7.83E-08	1.38E-08	9.79E-09	3.68E-07	1.94E-07	8.25E-08	9.71E-08	3.81E-08	1.94E-07	8.25E-08
2210	495311.06	3859802	6.12E-04	5.97E-04	5.89E-04	2.12E-07	6.40E-07	3.70E-07	3.61E-07	3.28E-07	1.49E-07	1.47E-07	7.07E-09	1.71E-07	3.77E-08	4.91E-08	7.78E-08	1.37E-08	9.73E-09	3.66E-07	1.93E-07	8.19E-08	9.64E-08	3.79E-08	1.93E-07	8.19E-08
2211	495361.06	3859802	6.06E-04	5.91E-04	5.83E-04	2.10E-07	6.33E-07	3.67E-07	3.58E-07	3.24E-07	1.48E-07	1.46E-07	7.00E-09	1.69E-07	3.73E-08	4.86E-08	7.70E-08	1.36E-08	9.63E-09	3.62E-07	1.91E-07	8.11E-08	9.54E-08	3.75E-08	1.91E-07	8.11E-08
2212	495411.06	3859802	5.99E-04	5.85E-04	5.77E-04	2.07E-07	6.26E-07	3.62E-07	3.54E-07	3.21E-07	1.46E-07	1.44E-07	6.93E-09	1.67E-07	3.69E-08	4.80E-08	7.62E-08	1.34E-08	9.52E-09	3.58E-07	1.89E-07	8.02E-08	9.44E-08	3.71E-08	1.89E-07	8.02E-08
2213	495461.06	3859802	5.93E-04	5.79E-04	5.71E-04	2.05E-07	6.20E-07	3.59E-07	3.50E-07	3.18E-07	1.45E-07	1.43E-07	6.86E-09	1.66E-07	3.66E-08	4.76E-08	7.54E-08	1.33E-08	9.43E-09	3.55E-07	1.87E-07	7.94E-08	9.35E-08	3.67E-08	1.87E-07	7.94E-08

2214	495511.06	3859802	5.86E-04	5.72E-04	5.64E-04	2.03E-07	6.13E-07	3.55E-07	3.46E-07	3.14E-07	1.43E-07	1.41E-07	6.78E-09	1.64E-07	3.61E-08	4.70E-08	7.45E-08	1.31E-08	9.32E-09	3.51E-07	1.85E-07	7.85E-08	9.24E-08	3.63E-08	1.85E-07	7.85E-08
2215	495561.06	3859802	5.81E-04	5.67E-04	5.60E-04	2.01E-07	6.08E-07	3.52E-07	3.43E-07	3.11E-07	1.42E-07	1.40E-07	6.72E-09	1.62E-07	3.58E-08	4.66E-08	7.39E-08	1.30E-08	9.24E-09	3.48E-07	1.83E-07	7.78E-08	9.16E-08	3.60E-08	1.83E-07	7.78E-08
2216	495611.06	3859802	5.79E-04	5.65E-04	5.57E-04	2.00E-07	6.05E-07	3.50E-07	3.42E-07	3.10E-07	1.41E-07	1.39E-07	6.69E-09	1.62E-07	3.57E-08	4.64E-08	7.36E-08	1.30E-08	9.20E-09	3.46E-07	1.83E-07	7.75E-08	9.12E-08	3.58E-08	1.83E-07	7.75E-08
2217	495661.06	3859802	5.72E-04	5.58E-04	5.50E-04	1.98E-07	5.98E-07	3.46E-07	3.38E-07	3.06E-07	1.40E-07	1.38E-07	6.61E-09	1.60E-07	3.52E-08	4.58E-08	7.27E-08	1.28E-08	9.09E-09	3.42E-07	1.80E-07	7.66E-08	9.01E-08	3.54E-08	1.80E-07	7.66E-08
2218	494311.06	3859852	7.65E-04	7.47E-04	7.37E-04	2.65E-07	8.00E-07	4.63E-07	4.52E-07	4.10E-07	1.87E-07	1.84E-07	8.85E-09	2.14E-07	4.72E-08	6.14E-08	9.73E-08	1.72E-08	1.22E-08	4.58E-07	2.42E-07	1.03E-07	1.21E-07	4.74E-08	2.42E-07	1.03E-07
2219	494361.06	3859852	7.55E-04	7.37E-04	7.27E-04	2.61E-07	7.89E-07	4.57E-07	4.46E-07	4.04E-07	1.84E-07	1.82E-07	8.73E-09	2.11E-07	4.65E-08	6.05E-08	9.60E-08	1.69E-08	1.20E-08	4.52E-07	2.38E-07	1.01E-07	1.19E-07	4.67E-08	2.38E-07	1.01E-07
2220	494411.06	3859852	7.43E-04	7.25E-04	7.16E-04	2.57E-07	7.77E-07	4.50E-07	4.39E-07	3.98E-07	1.82E-07	1.79E-07	8.59E-09	2.08E-07	4.58E-08	5.96E-08	9.45E-08	1.67E-08	1.18E-08	4.45E-07	2.35E-07	9.96E-08	1.17E-07	4.60E-08	2.35E-07	9.96E-08
2221	494461.06	3859852	7.34E-04	7.17E-04	7.07E-04	2.54E-07	7.68E-07	4.44E-07	4.34E-07	3.93E-07	1.79E-07	1.77E-07	8.49E-09	2.05E-07	4.52E-08	5.89E-08	9.34E-08	1.65E-08	1.17E-08	4.39E-07	2.32E-07	9.83E-08	1.16E-07	4.54E-08	2.32E-07	9.83E-08
2222	494511.06	3859852	7.31E-04	7.14E-04	7.04E-04	2.53E-07	7.64E-07	4.43E-07	4.32E-07	3.91E-07	1.79E-07	1.76E-07	8.45E-09	2.04E-07	4.51E-08	5.86E-08	9.30E-08	1.64E-08	1.16E-08	4.37E-07	2.31E-07	9.79E-08	1.15E-07	4.53E-08	2.31E-07	9.79E-08
2223	494561.06	3859852	7.30E-04	7.13E-04	7.03E-04	2.53E-07	7.63E-07	4.42E-07	4.31E-07	3.91E-07	1.78E-07	1.76E-07	8.44E-09	2.04E-07	4.50E-08	5.85E-08	9.29E-08	1.64E-08	1.16E-08	4.37E-07	2.30E-07	9.78E-08	1.15E-07	4.52E-08	2.30E-07	9.78E-08
2224	494611.06	3859852	7.14E-04	6.97E-04	6.87E-04	2.47E-07	7.46E-07	4.32E-07	4.22E-07	3.82E-07	1.74E-07	1.72E-07	8.25E-09	1.99E-07	4.40E-08	5.72E-08	9.08E-08	1.60E-08	1.13E-08	4.27E-07	2.25E-07	9.56E-08	1.12E-07	4.42E-08	2.25E-07	9.56E-08
2225	494661.06	3859852	7.10E-04	6.93E-04	6.83E-04	2.46E-07	7.42E-07	4.30E-07	4.19E-07	3.80E-07	1.73E-07	1.71E-07	8.21E-09	1.98E-07	4.37E-08	5.69E-08	9.03E-08	1.59E-08	1.13E-08	4.25E-07	2.24E-07	9.51E-08	1.12E-07	4.39E-08	2.24E-07	9.51E-08
2226	494711.06	3859852	6.98E-04	6.81E-04	6.72E-04	2.42E-07	7.30E-07	4.22E-07	4.12E-07	3.74E-07	1.71E-07	1.68E-07	8.07E-09	1.95E-07	4.30E-08	5.60E-08	8.88E-08	1.56E-08	1.11E-08	4.18E-07	2.20E-07	9.35E-08	1.10E-07	4.32E-08	2.20E-07	9.35E-08
2227	494761.06	3859852	6.97E-04	6.80E-04	6.71E-04	2.41E-07	7.28E-07	4.21E-07	4.11E-07	3.73E-07	1.70E-07	1.68E-07	8.05E-09	1.94E-07	4.29E-08	5.58E-08	8.86E-08	1.56E-08	1.11E-08	4.17E-07	2.20E-07	9.33E-08	1.10E-07	4.31E-08	2.20E-07	9.33E-08
2228	494811.06	3859852	6.90E-04	6.73E-04	6.64E-04	2.39E-07	7.21E-07	4.17E-07	4.07E-07	3.69E-07	1.68E-07	1.66E-07	7.97E-09	1.93E-07	4.25E-08	5.53E-08	8.77E-08	1.55E-08	1.10E-08	4.12E-07	2.18E-07	9.23E-08	1.09E-07	4.27E-08	2.18E-07	9.23E-08
2229	494861.06	3859852	6.85E-04	6.68E-04	6.60E-04	2.37E-07	7.16E-07	4.14E-07	4.04E-07	3.67E-07	1.67E-07	1.65E-07	7.92E-09	1.91E-07	4.22E-08	5.49E-08	8.71E-08	1.54E-08	1.09E-08	4.10E-07	2.16E-07	9.17E-08	1.08E-07	4.24E-08	2.16E-07	9.17E-08
2230	494911.06	3859852	6.76E-04	6.60E-04	6.51E-04	2.34E-07	7.07E-07	4.09E-07	3.99E-07	3.62E-07	1.65E-07	1.63E-07	7.82E-09	1.89E-07	4.17E-08	5.42E-08	8.60E-08	1.52E-08	1.07E-08	4.04E-07	2.13E-07	9.06E-08	1.07E-07	4.19E-08	2.13E-07	9.06E-08
2231	494961.06	3859852	6.70E-04	6.54E-04	6.46E-04	2.32E-07	7.01E-07	4.06E-07	3.96E-07	3.59E-07	1.64E-07	1.62E-07	7.75E-09	1.87E-07	4.13E-08	5.37E-08	8.53E-08	1.50E-08	1.07E-08	4.01E-07	2.12E-07	8.98E-08	1.06E-07	4.15E-08	2.12E-07	8.98E-08
2232	495011.06	3859852	6.64E-04	6.48E-04	6.39E-04	2.30E-07	6.94E-07	4.02E-07	3.92E-07	3.55E-07	1.62E-07	1.60E-07	7.67E-09	1.85E-07	4.09E-08	5.32E-08	8.44E-08	1.49E-08	1.06E-08	3.97E-07	2.10E-07	8.89E-08	1.05E-07	4.11E-08	2.10E-07	8.89E-08
2233	495061.06	3859852	6.58E-04	6.42E-04	6.34E-04	2.28E-07	6.88E-07	3.98E-07	3.89E-07	3.52E-07	1.61E-07	1.59E-07	7.61E-09	1.84E-07	4.06E-08	5.28E-08	8.37E-08	1.48E-08	1.05E-08	3.94E-07	2.08E-07	8.82E-08	1.04E-07	4.07E-08	2.08E-07	8.82E-08
2234	495111.06	3859852	6.50E-04	6.34E-04	6.26E-04	2.25E-07	6.80E-07	3.93E-07	3.84E-07	3.48E-07	1.59E-07	1.57E-07	7.51E-09	1.82E-07	4.01E-08	5.21E-08	8.27E-08	1.46E-08	1.03E-08	3.89E-07	2.05E-07	8.71E-08	1.02E-07	4.02E-08	2.05E-07	8.71E-08
2235	495161.06	3859852	6.44E-04	6.28E-04	6.20E-04	2.23E-07	6.73E-07	3.90E-07	3.80E-07	3.45E-07	1.57E-07	1.55E-07	7.44E-09	1.80E-07	3.97E-08	5.16E-08	8.19E-08	1.44E-08	1.02E-08	3.85E-07	2.03E-07	8.62E-08	1.01E-07	3.98E-08	2.03E-07	8.62E-08
2236	495211.06	3859852	6.38E-04	6.23E-04	6.14E-04	2.21E-07	6.67E-07	3.86E-07	3.77E-07	3.42E-07	1.56E-07	1.54E-07	7.38E-09	1.78E-07	3.93E-08	5.12E-08	8.11E-08	1.43E-08	1.01E-08	3.82E-07	2.01E-07	8.54E-08	1.01E-07	3.95E-08	2.01E-07	8.54E-08
2237	495261.06	3859852	6.31E-04	6.16E-04	6.08E-04	2.19E-07	6.60E-07	3.82E-07	3.73E-07	3.38E-07	1.54E-07	1.52E-07	7.30E-09	1.76E-07	3.89E-08	5.06E-08	8.03E-08	1.42E-08	1.00E-08	3.78E-07	1.99E-07	8.46E-08	9.95E-08	3.91E-08	1.99E-07	8.46E-08
2238	495311.06	3859852	6.26E-04	6.11E-04	6.03E-04	2.17E-07	6.55E-07	3.79E-07	3.70E-07	3.35E-07	1.53E-07	1.51E-07	7.24E-09	1.75E-07	3.86E-08	5.02E-08	7.97E-08	1.40E-08	9.96E-09	3.75E-07	1.98E-07	8.39E-08	9.87E-08	3.88E-08	1.98E-07	8.39E-08
2239	495361.06	3859852	6.21E-04	6.06E-04	5.98E-04	2.15E-07	6.49E-07	3.76E-07	3.67E-07	3.32E-07	1.52E-07	1.50E-07	7.18E-09	1.73E-07	3.83E-08	4.98E-08	7.90E-08	1.39E-08	9.87E-09	3.71E-07	1.96E-07	8.32E-08	9.78E-08	3.84E-08	1.96E-07	8.32E-08
2240	495411.06	3859852	6.14E-04	6.00E-04	5.92E-04	2.13E-07	6.42E-07	3.72E-07	3.63E-07	3.29E-07	1.50E-07	1.48E-07	7.10E-09	1.72E-07	3.79E-08	4.93E-08	7.81E-08	1.38E-08	9.77E-09	3.67E-07	1.94E-07	8.23E-08	9.68E-08	3.80E-08	1.94E-07	8.23E-08
2241	495461.06	3859852	6.08E-04	5.93E-04	5.85E-04	2.10E-07	6.35E-07	3.68E-07	3.59E-07	3.25E-07	1.48E-07	1.46E-07	7.03E-09	1.70E-07	3.74E-08	4.87E-08	7.73E-08	1.36E-08	9.66E-09	3.63E-07	1.92E-07	8.14E-08	9.57E-08	3.76E-08	1.92E-07	8.14E-08
2242	495511.06	3859852	6.01E-04	5.86E-04	5.78E-04	2.08E-07	6.28E-07	3.63E-07	3.55E-07	3.22E-07	1.47E-07	1.45E-07	6.94E-09	1.68E-07	3.70E-08	4.82E-08	7.64E-08	1.35E-08	9.55E-09	3.59E-07	1.90E-07	8.04E-08	9.46E-08	3.72E-08	1.90E-07	8.04E-08
2243	495561.06	3859852	5.97E-04	5.82E-04	5.74E-04	2.07E-07	6.24E-07	3.61E-07	3.52E-07	3.19E-07	1.46E-07	1.44E-07	6.90E-09	1.67E-07	3.68E-08	4.78E-08	7.59E-08	1.34E-08	9.48E-09	3.57E-07	1.88E-07	7.99E-08	9.40E-08	3.69E-08	1.88E-07	7.99E-08
2244	495611.06	3859852	5.92E-04	5.78E-04	5.70E-04	2.05E-07	6.19E-07	3.58E-07	3.50E-07	3.17E-07	1.45E-07	1.43E-07	6.85E-09	1.65E-07	3.65E-08	4.75E-08	7.53E-08	1.33E-08	9.42E-09	3.54E-07	1.87E-07	7.93E-08	9.33E-08	3.67E-08	1.87E-07	7.93E-08
2245	495661.06	3859852	5.86E-04	5.72E-04	5.64E-04	2.03E-07	6.13E-07	3.55E-07	3.46E-07	3.14E-07	1.43E-07	1.41E-07	6.78E-09	1.64E-07	3.61E-08	4.70E-08	7.45E-08	1.31E-08	9.32E-09	3.51E-07	1.85E-07	7.85E-08	9.24E-08	3.63E-08	1.85E-07	7.85E-08
2246	494311.06	3859902	7.83E-04	7.64E-04	7.54E-04	2.71E-07	8.19E-07	4.74E-07	4.62E-07	4.19E-07	1.91E-07	1.89E-07	9.05E-09	2.19E-07	4.83E-08	6.28E-08	9.96E-08	1.76E-08	1.25E-08	4.68E-07	2.47E-07	1.05E-07	1.23E-07	4.85E-08	2.47E-07	1.05E-07
2247	494361.06	3859902	7.67E-04	7.49E-04	7.39E-04	2.66E-07	8.02E-07	4.64E-07	4.53E-07	4.11E-07	1.87E-07	1.85E-07	8.87E-09	2.14E-07	4.73E-08	6.15E-08	9.76E-08	1.72E-08	1.22E-08	4.59E-07	2.42E-07	1.03E-07	1.21E-07	4.75E-08	2.42E-07	1.03E-07
2248	494411.06	3859902	7.62E-04	7.43E-04	7.33E-04	2.64E-07	7.96E-07	4.61E-07	4.50E-07	4.08E-07	1.86E-07	1.84E-07	8.80E-09	2.13E-07	4.69E-08	6.11E-08	9.69E-08	1.71E-08	1.21E-08	4.56E-07	2.40E-07	1.02E-07	1.20E-07	4.71E-08	2.40E-07	1.02E-07
2249	494461.06	3859902	7.53E-04	7.35E-04	7.25E-04	2.61E-07	7.87E-07	4.56E-07	4.45E-07	4.03E-07	1.84E-07	1.82E-07	8.71E-09	2.10E-07	4.64E-08	6.04E-08	9.58E-08	1.69E-08	1.20E-08	4.51E-07	2.38E-07	1.01E-07	1.19E-07	4.66E-08	2.38E-07	1.01E-07
2250	494511.06	3859902	7.48E-04	7.30E-04	7.20E-04	2.59E-07	7.81E-07	4.52E-07	4.41E-07	4.00E-07	1.83E-07	1.80E-07	8.64E-09	2.09E-07	4.61E-08	5.99E-08	9.51E-08	1.68E-08	1.19E-08	4.47E-07	2.36E-07	1.00E-07	1.18E-07	4.63E-08	2.36E-07	1.00E-07
2251	494561.06	3859902	7.48E-04	7.30E-04	7.21E-04	2.59E-07	7.82E-07	4.53E-07	4.42E-07	4.01E-07	1.83E-07	1.80E-07	8.65E-09	2.09E-07	4.61E-08	6.00E-08	9.52E-08	1.68E-08	1.19E-08	4.48E-07	2.36E-07	1.00E-07	1.18E-07	4.63E-08	2.36E-07	1.00E-07
2252	494611.06	3859902	7.31E-04	7.13E-04	7.04E-04	2.53E-07	7.64E-07	4.42E-07	4.32E-07	3.91E-07	1.79E-07	1.76E-07	8.45E-09	2.04E-07	4.50E-08	5.86E-08	9.30E-08	1.64E-08	1.16E-08	4.37E-07	2.31E-07	9.79E-08	1.15E-07	4.52E-08	2.31E-07	9.79E-08
2253	494661.06	3859902	7.30E-04	7.13E-04	7.03E-04	2.53E-07	7.63E-07	4.42E-07	4.31E-07	3.91E-07	1.78E-07	1.76E-07	8.44E-09	2.04E-07	4.50E-08	5.85E-08	9.29E-08	1.64E-08	1.16E-08	4.37E-07	2.30E-07	9.78E-08	1.15E-07	4.52E-08	2.30E-07	9.78E-08
2254	494711.06	3859902	7.14E-04	6.97E-04	6.87E-04	2.47E-07	7.46E-07	4.32E-07	4.22E-07	3.82E-07	1.74E-07	1.72E-07	8.25E-09	1.99E-07	4.40E-08	5.72E-08	9.08E-08	1.60E-08	1.13E-08	4.27E-07	2.25E-07	9.56E-08	1.12E-07	4.42E-08	2.25E-07	9.56E-08
2255	494761.06	3859902	7.12E-04	6.94E-04	6.85E-04	2.46E-07	7.44E-07	4.31E-07	4.20E-07	3.81E-07	1.74E-07	1.71E-07	8.22E-09	1.99E-07	4.38E-08	5.70E-08	9.05E-08	1.59E-08	1.13E-08	4.26E-07	2.25E-07	9.53E-08	1.12E-07	4.40E-08	2.25E-07	9.53E-08
2256	494811.06	3859902	7.08E-04	6.91E-04	6.82E-04	2.45E-07	7.40E-07	4.29E-07	4.18E-07	3.79E-07	1.73E-07	1.71E-07	8.19E-09	1.98E-07	4.36E-08	5.68E-08	9.01E-08	1.59E-08	1.13E-08	4.24E-07	2.24E-07	9.48E-08	1.12E-07	4.38E-08	2.24E-07	9.48E-08
2257	494861.06	3859902	7.03E-04	6.86E-04	6.77E-04	2.43E-07	7.35E-07	4.25E-07	4.15E-07	3.76E-07	1.72E-07	1.69E-07	8.13E-09	1.96E-07	4.33E-08	5.64E-08	8.94E-08	1.58E-08	1.12E-08	4.21E-07	2.22E-07	9.42E-08	1.11E-07	4.35E-08	2.22E-07	9.42E-08
2258	494911.06	3859902	6.94E-04	6.77E-04	6.68E-04	2.40E-07	7.25E-07	4.20E-07	4.10E-07	3.71E-07	1.70E-07	1.67E-07	8.02E-09	1.94E-07	4.28E-08	5.56E-08	8.83E-08	1.56E-08	1.10E-08	4.15E-07	2.19E-07	9.29E-08	1.09E-07	4.30E-08	2.19E-07	9.29E-08
2259	494961.06	3859902	6.89E-04	6.72E-04	6.63E-04	2.38E-07	7.20E-07	4.17E-07	4.07E-07	3.69E-07	1.68E-07	1.66E-07	7.96E-09	1.92E-07	4.24E-08	5.52E-08	8.76E-08	1.54E-08	1.09E-08	4.12E-07	2.17E-07	9.22E-08	1.08E-07	4.26E-08	2.17E-07	9.22E-08
2260	495011.06	3859902	6.81E-04	6.64E-04	6.56E-04	2.36E-07	7.12E-07	4.12E-07	4.02E-07	3.64E-07	1.66E-07	1.64E-07	7.87E-09	1.90E-07	4.19E-08	5.46E-08	8.66E-08	1.53E-08	1.08E-08	4.07E-07	2.15E-07	9.12E-08	1.07E-07	4.21E-08	2.15E-07	9.12E-08
2261	495061.06	3859902	6.74E-04	6.57E-04	6.49E-04	2.33E-07	7.04E-07	4.08E-07	3.98E-07	3.61E-07	1.65E-07	1.62E-07	7.79E-09	1.88E-07	4.15E-08	5.40E-08	8.57E-08	1.51E-08	1.07E-08	4.03E-07	2.13E-07	9.02E-08	1.06E-07	4.17E-08	2.13E-07	9.02E-08
2262	495111.06	3859902	6.66E-04	6.50E-04	6.41E-04	2.31E-07	6.96E-07	4.03E-07	3.93E-07	3.56E-07	1.63E-07	1.60E-07	7.70E-09	1.86E-07	4.10E-08	5.34E-08	8.47E-08	1.49E-08	1.06E-08	3.98E-07	2.10E-07	8.92E-08	1.05E-07	4.12E-08	2.10E-07	8.92E-08
2263	495161.06	3859902	6.58E-04	6.42E-04	6.34E-04	2.28E-07	6.88E-07	3.98E-07	3.89E-07	3.52E-07	1.61E-07	1.59E-07	7.61E-09	1.84E-07	4.05E-08	5.27E-08	8.37E-08	1.47E-08	1.05E-08	3.94E-07	2.08E-07	8.81E-08	1.04E-07	4.07E-08	2.08E-07	8.81E-08
2264	495211.06	3859902	6.53E-04	6.38E-04	6.29E-04	2.26E-07	6.83E-07	3.95E-07	3.86E-07	3.50E-07	1.60E-07	1.57E-07	7.55E-09	1.82E-07	4.03E-08	5.24E-08	8.31E-08	1.46E-08	1.04E-08	3.91E-07	2.06E-07	8.75E-08	1.03E-07	4.04E-08	2.06E-07	8.75E-08
2265	495261.06	3859902	6.45E-04	6.30E-04	6.21E-04	2.23E-07	6.74E-07	3.90E-07	3.81E-07	3.45E-07	1.58E-07	1.55E-07	7.46E-09	1.80E-07	3.97E-08	5.17E-08	8.20E-08	1.45E-08	1.03E-08	3.86E-07	2.04E-07	8.64E-08	1.02E-07	3.99E-08	2.04E-07	8.64E-08
2266	495311.06	3859902	6.41E-04	6.25E-04	6.17E-04	2.22E-07	6.70E-07	3.88E-07	3.78E-07	3.43E-07	1.56E-07	1.54E-07	7.40E-09	1.79E-07	3.95E-08	5.14E-08	8.15E-08	1.44E-08	1.02E-08	3.83E-07	2.02E-07	8.58E-08	1.01E-07	3.96E-08	2.02E-07	8.58E-08
2267	495361.06	3859902	6.34E-04	6.19E-04	6.11E-04	2.20E-07	6.63E-07	3.84E-07	3.75E-07	3.40E-07	1.55E-07	1.53E-07	7.33E-09	1.77E-07	3.91E-08	5.09E-08	8.07E-08	1.42E-08	1.01E-08	3.79E-07	2.00E-07	8.49E-08	9.99E-08	3.93E-08	2.00E-07	8.49E-08
2268	495411.06	3859902	6.27E-04	6.12E-04	6.04E-04	2.17E-07	6.56E-07	3.80E-07	3.70E-07	3.36E-07	1.53E-07	1.51E-07	7.25E-09	1.75E-07	3.86E-08	5.03E-08	7.98E-08	1.41E-08	9.97E-09	3.75E-07	1.98E-07	8.40E-08	9.88E-08	3.88E-08	1.98E-07	8.40E-08
2269	495461.06	3859902	6.21E-04	6.06E-04	5.98E-04	2.15E-07	6.49E-07	3.76E-07	3.67E-07	3.32E-07	1.52E-07	1.50E-07	7.18E-09	1.73E-07	3.83E-08	4.98E-08	7.90E-08	1.39E-08	9.87E-09	3.71E-07	1.96E-07	8.32E-08	9.78E-08	3.84E-08	1.96E-07	8.32E-08
2270	495511.06	3859902	6.16E-04	6.01E-04	5.93E-04	2.13E-07	6.44E-07	3.73E-07	3.64E-07	3.30E-07	1.50E-07	1.48E-07	7.12E-09	1.72E-07	3.80E-08	4.94E-08	7.83E-08	1.38E-08	9.79E-09	3.68E-07	1.94E-07	8.25E-08	9.71E-08	3.81E-08	1.94E-07	8.25E-08
2271	495561.06	3859902	6.12E-04	5.97E-04	5.89E-04	2.12E-07	6.40E-07	3.70E-07	3.61E-07	3.28E-07	1.49E-07	1.47E-07	7.07E-09	1.71E-07	3.77E-08	4.91E-08	7.78E-08	1.37E-08	9.73E-09	3.66E-07	1.93E-07	8.19E-08	9.64E-08	3.79E-08	1.93E-07	8.19E-08
2272	495611.06	3859902	6.06E-04	5.91E-04	5.83E-04	2.10E-07	6.33E-07	3.67E-07	3.58E-07	3.24E-07	1.48E-07	1.46E-07	7.00E-09	1.69E-07	3.73E-08	4.86E-08	7.70E-08	1.36E-08	9.63E-09	3.62E-07	1.91E-07	8.11E-08	9.54E-08	3.75E-08	1.91E-07	8.11E-08
2273	495661.06	3859902	5.99E-04	5.85E-04	5.77E-04	2.07E-07	6.26E-07	3.62E-07	3.54E-07	3.21E-07	1.46E-07	1.44E-07	6.93E-09	1.67E-07	3.69E-08	4.80E-08	7.62E-08	1.34E-08	9.52E-09	3.58E-07	1.89E-07	8.02E-08	9.44E-08	3.71E-08	1.89E-07	8.02E-08
2274	494311.06	3859952	8.03E-04	7.84E-04	7.73E-04	2.78E-07	8.40E-07	4.86E-07	4.74E-07	4.30E-07	1.96E-07	1.94E-07	9.28E-09	2.24E-07	4.95E-08	6.44E-08	1.02E-07	1.80E-08	1.28E-08	4.80E-07	2.54E-07	1.08E-07	1.27E-07	4.97E-08	2.54E-07	1.08E-07
2275	494361.06	3859952	7.91E-04	7.72E-04	7.62E-04	2.74E-07	8.27E-07	4.79E-07	4.67E-07	4.23E-07	1.93E-07	1.91E-07	9.15E-09	2.21E-07	4.87E-08	6.34E-08	1.01E-07	1.77E-08	1.26E-08	4.73E-07	2.50E-07	1.06E-07	1.25E-07	4.90E-08	2.50E-07	1.06E-07
2276	494411.06	3859952	7.81E-04	7.62E-04	7.52E-04	2.70E-07	8.16E-07	4.72E-07	4.61E-07	4.18E-07	1.91E-07	1.88E-07	9.03E-09	2.18E-07	4.81E-08	6.26E-08	9.93E-08	1.75E-08	1.24E-08	4.67E-07	2.46E-07	1.05E-07	1.23E-07	4.83E-08	2.46E-07	1.05E-07
2277	494461.06	3859952	7.72E-04	7.53E-04	7.43E-04	2.67E-07	8.07E-07	4.67E-07	4.56E-07	4.13E-07	1.89E-07	1.86E-07	8.92E-09	2.16E-07	4.76E-08	6.19E-08	9.82E-08	1.73E-08	1.23E-08	4.62E-07	2.44E-07	1.03E-07	1.22E-07	4.78E-08	2.44E-07	1.03E-07
2278	494511.06	3859952	7.66E-04	7.48E-04	7.38E-04	2.65E-07	8.01E-07	4.64E-07	4.52E-07	4.10E-07	1.87E-07	1.85E-07	8.86E-09	2.14E-07	4.72E-08	6.14E-08	9.74E-08	1.72E-08	1.22E-08	4.58E-07	2.42E-07	1.03E-07	1.21E-07	4.74E-08	2.42E-07	1.03E-07
2279	494561.06	3859952	7.69E-04	7.51E-04	7.41E-04	2.66E-07	8.04E-07	4.65E-07	4.54E-07	4.12E-07	1.88E-07	1.85E-07	8.89E-09	2.15E-07	4.74E-08	6.17E-08	9.78E-08	1.72E-08	1.22E-08	4.60E-07	2.43E-07	1.03E-07	1.21E-07	4.76E-08	2.43E-07	1.03E-07
2280	494611.06	3859952	7.53E-04	7.35E-04	7.25E-04	2.61E-07	7.87E-07	4.56E-07	4.45E-07	4.03E-07	1.84E-07	1.81E-07	8.70E-09	2.10E-07	4.64E-08	6.04E-08	9.58E-08	1.69E-08	1.20E-08	4.50E-07	2.38E-07	1.01E-07	1.19E-07	4.66E-08	2.38E-07	1.01E-07
2281	494661.06	3859952	7.52E-04	7.34E-04	7.24E-04	2.60E-07	7.86E-07	4.55E-07	4.44E-07	4.02E-07	1.84E-07	1.81E-07	8.69E-09	2.10E-07	4.63E-08	6.03E-08	9.56E-08	1.68E-08	1.19E-08	4.50E-07	2.37E-07	1.01E-07	1.18E-07	4.65E-08	2.37E-07	1.01E-07
2282	494711.06	3859952	7.37E-04	7.19E-04	7.09E-04	2.55E-07	7.70E-07	4.46E-07	4.35E-07	3.94E-07	1.80E-07	1.78E-07	8.52E-09	2.06E-07	4.54E-08	5.91E-08	9.37E-08	1.65E-08	1.17E-08	4.41E-07	2.33E-07	9.87E-08	1.16E-07	4.56E-08	2.33E-07	9.87E-08
2283	494761.06	3859952	7.32E-04	7.14E-04	7.05E-04	2.53E-07	7.65E-07	4.43E-07	4.32E-07	3.92E-07	1.79E-07	1.76E-07	8.46E-09	2.04E-07	4.51E-08	5.87E-08	9.31E-08	1.64E-08	1.16E-08	4.38E-07	2.31E-07	9.80E-08	1.15E-07	4.53E-08	2.31E-07	9.80E-08
2284	494811.06	3859952	7.26E-04	7.08E-04	6.99E-04	2.51E-07	7.58E-07	4.39E-07	4.28E-07	3.88E-07	1.77E-07	1.75E-07	8.39E-09	2.03E-07	4.47E-08	5.82E-08	9.23E-08	1.63E-08	1.15E-08	4.34E-07	2.29E-07	9.72E-08	1.14E-07	4.49E-08	2.29E-07	9.72E-08
2285	494861.06	3859952	7.22E-04	7.05E-04	6.95E-04	2.50E-07	7.55E-07	4.37E-07	4.26E-07	3.87E-07	1.76E-07	1.74E-07	8.35E-09	2.02E-07	4.45E-08	5.79E-08	9.19E-08	1.62E-08	1.15E-08	4.32E-07	2.28E-07	9.67E-08	1.14E-07	4.47E-08	2.28E-07	9.67E-08
2286	494911.06	3859952	7.12E-04	6.95E-04	6.86E-04	2.47E-07	7.45E-07	4.31E-07	4.21E-07	3.81E-07	1.74E-07	1.72E-07	8.23E-09	1.99E-07	4.39E-08	5.71E-08	9.06E-08	1.60E-08	1.13E-08	4.26E-07	2.25E-07	9.54E-08	1.12E-07	4.41E-08	2.25E-07	9.54E-08
2287	494961.06	3859952	7.04E-04	6.87E-04	6.78E-04	2.44E-07	7.36E-07	4.26E-07	4.16E-07	3.77E-07	1.72E-07	1.70E-07	8.14E-09	1.97E-07	4.34E-08	5.64E-08	8.95E-08	1.58E-08	1.12E-08	4.21E-07	2.22E-07	9.43E-08	1.11E-07	4.36E-08	2.22E-07	9.43E-08

2288	495011.06	3859952	6.97E-04	6.80E-04	6.71E-04	2.41E-07	7.28E-07	4.21E-07	4.11E-07	3.73E-07	1.70E-07	1.68E-07	8.05E-09	1.94E-07	4.29E-08	5.58E-08	8.86E-08	1.56E-08	1.11E-08	4.17E-07	2.20E-07	9.33E-08	1.10E-07	4.31E-08	2.20E-07	9.33E-08
2289	495061.06	3859952	6.90E-04	6.74E-04	6.65E-04	2.39E-07	7.22E-07	4.18E-07	4.08E-07	3.69E-07	1.69E-07	1.66E-07	7.98E-09	1.93E-07	4.25E-08	5.53E-08	8.78E-08	1.55E-08	1.10E-08	4.13E-07	2.18E-07	9.24E-08	1.09E-07	4.27E-08	2.18E-07	9.24E-08
2290	495111.06	3859952	6.81E-04	6.65E-04	6.56E-04	2.36E-07	7.12E-07	4.12E-07	4.02E-07	3.65E-07	1.66E-07	1.64E-07	7.87E-09	1.90E-07	4.20E-08	5.46E-08	8.66E-08	1.53E-08	1.08E-08	4.07E-07	2.15E-07	9.12E-08	1.07E-07	4.22E-08	2.15E-07	9.12E-08
2291	495161.06	3859952	6.73E-04	6.57E-04	6.48E-04	2.33E-07	7.04E-07	4.07E-07	3.98E-07	3.60E-07	1.64E-07	1.62E-07	7.78E-09	1.88E-07	4.15E-08	5.40E-08	8.56E-08	1.51E-08	1.07E-08	4.03E-07	2.13E-07	9.02E-08	1.06E-07	4.17E-08	2.13E-07	9.02E-08
2292	495211.06	3859952	6.66E-04	6.50E-04	6.41E-04	2.31E-07	6.96E-07	4.03E-07	3.93E-07	3.56E-07	1.63E-07	1.60E-07	7.70E-09	1.86E-07	4.10E-08	5.34E-08	8.47E-08	1.49E-08	1.06E-08	3.98E-07	2.10E-07	8.92E-08	1.05E-07	4.12E-08	2.10E-07	8.92E-08
2293	495261.06	3859952	6.59E-04	6.43E-04	6.35E-04	2.28E-07	6.89E-07	3.99E-07	3.89E-07	3.53E-07	1.61E-07	1.59E-07	7.62E-09	1.84E-07	4.06E-08	5.28E-08	8.38E-08	1.48E-08	1.05E-08	3.94E-07	2.08E-07	8.83E-08	1.04E-07	4.08E-08	2.08E-07	8.83E-08
2294	495311.06	3859952	6.56E-04	6.40E-04	6.32E-04	2.27E-07	6.86E-07	3.97E-07	3.87E-07	3.51E-07	1.60E-07	1.58E-07	7.58E-09	1.83E-07	4.04E-08	5.26E-08	8.34E-08	1.47E-08	1.04E-08	3.92E-07	2.07E-07	8.78E-08	1.03E-07	4.06E-08	2.07E-07	8.78E-08
2295	495361.06	3859952	6.50E-04	6.34E-04	6.26E-04	2.25E-07	6.80E-07	3.93E-07	3.84E-07	3.48E-07	1.59E-07	1.57E-07	7.51E-09	1.82E-07	4.01E-08	5.21E-08	8.27E-08	1.46E-08	1.03E-08	3.89E-07	2.05E-07	8.71E-08	1.02E-07	4.02E-08	2.05E-07	8.71E-08
2296	495411.06	3859952	6.43E-04	6.28E-04	6.19E-04	2.23E-07	6.72E-07	3.89E-07	3.80E-07	3.44E-07	1.57E-07	1.55E-07	7.43E-09	1.80E-07	3.96E-08	5.16E-08	8.18E-08	1.44E-08	1.02E-08	3.85E-07	2.03E-07	8.61E-08	1.01E-07	3.98E-08	2.03E-07	8.61E-08
2297	495461.06	3859952	6.36E-04	6.21E-04	6.13E-04	2.20E-07	6.65E-07	3.85E-07	3.76E-07	3.41E-07	1.55E-07	1.53E-07	7.36E-09	1.78E-07	3.92E-08	5.10E-08	8.09E-08	1.43E-08	1.01E-08	3.81E-07	2.01E-07	8.52E-08	1.00E-07	3.94E-08	2.01E-07	8.52E-08
2298	495511.06	3859952	6.30E-04	6.15E-04	6.06E-04	2.18E-07	6.58E-07	3.81E-07	3.72E-07	3.37E-07	1.54E-07	1.52E-07	7.28E-09	1.76E-07	3.88E-08	5.05E-08	8.01E-08	1.41E-08	1.00E-08	3.77E-07	1.99E-07	8.43E-08	9.92E-08	3.90E-08	1.99E-07	8.43E-08
2299	495561.06	3859952	6.27E-04	6.12E-04	6.04E-04	2.17E-07	6.56E-07	3.80E-07	3.70E-07	3.36E-07	1.53E-07	1.51E-07	7.25E-09	1.75E-07	3.86E-08	5.03E-08	7.98E-08	1.41E-08	9.97E-09	3.75E-07	1.98E-07	8.40E-08	9.88E-08	3.88E-08	1.98E-07	8.40E-08
2300	495611.06	3859952	6.20E-04	6.05E-04	5.97E-04	2.15E-07	6.48E-07	3.75E-07	3.66E-07	3.32E-07	1.51E-07	1.49E-07	7.17E-09	1.73E-07	3.82E-08	4.97E-08	7.89E-08	1.39E-08	9.86E-09	3.71E-07	1.96E-07	8.31E-08	9.77E-08	3.84E-08	1.96E-07	8.31E-08
2301	495661.06	3859952	6.13E-04	5.98E-04	5.90E-04	2.12E-07	6.40E-07	3.71E-07	3.62E-07	3.28E-07	1.50E-07	1.48E-07	7.08E-09	1.71E-07	3.78E-08	4.91E-08	7.79E-08	1.37E-08	9.74E-09	3.66E-07	1.93E-07	8.21E-08	9.65E-08	3.79E-08	1.93E-07	8.21E-08
2302	494311.06	3860002	8.24E-04	8.04E-04	7.93E-04	2.85E-07	8.61E-07	4.98E-07	4.86E-07	4.41E-07	2.01E-07	1.98E-07	9.52E-09	2.30E-07	5.07E-08	6.60E-08	1.05E-07	1.85E-08	1.31E-08	4.93E-07	2.60E-07	1.10E-07	1.30E-07	5.10E-08	2.60E-07	1.10E-07
2303	494361.06	3860002	8.14E-04	7.94E-04	7.83E-04	2.82E-07	8.50E-07	4.92E-07	4.80E-07	4.35E-07	1.99E-07	1.96E-07	9.40E-09	2.27E-07	5.01E-08	6.52E-08	1.03E-07	1.82E-08	1.29E-08	4.87E-07	2.57E-07	1.09E-07	1.28E-07	5.04E-08	2.57E-07	1.09E-07
2304	494411.06	3860002	7.99E-04	7.80E-04	7.70E-04	2.77E-07	8.36E-07	4.84E-07	4.72E-07	4.28E-07	1.95E-07	1.93E-07	9.24E-09	2.23E-07	4.93E-08	6.41E-08	1.02E-07	1.79E-08	1.27E-08	4.78E-07	2.52E-07	1.07E-07	1.26E-07	4.95E-08	2.52E-07	1.07E-07
2305	494461.06	3860002	7.93E-04	7.74E-04	7.63E-04	2.74E-07	8.29E-07	4.80E-07	4.68E-07	4.24E-07	1.94E-07	1.91E-07	9.16E-09	2.21E-07	4.88E-08	6.36E-08	1.01E-07	1.78E-08	1.26E-08	4.74E-07	2.50E-07	1.06E-07	1.25E-07	4.91E-08	2.50E-07	1.06E-07
2306	494511.06	3860002	7.82E-04	7.63E-04	7.53E-04	2.71E-07	8.17E-07	4.73E-07	4.62E-07	4.19E-07	1.91E-07	1.88E-07	9.04E-09	2.18E-07	4.82E-08	6.27E-08	9.95E-08	1.75E-08	1.24E-08	4.68E-07	2.47E-07	1.05E-07	1.23E-07	4.84E-08	2.47E-07	1.05E-07
2307	494561.06	3860002	7.90E-04	7.70E-04	7.60E-04	2.73E-07	8.25E-07	4.78E-07	4.66E-07	4.23E-07	1.93E-07	1.90E-07	9.13E-09	2.20E-07	4.86E-08	6.33E-08	1.00E-07	1.77E-08	1.25E-08	4.72E-07	2.49E-07	1.06E-07	1.24E-07	4.89E-08	2.49E-07	1.06E-07
2308	494611.06	3860002	7.78E-04	7.59E-04	7.49E-04	2.69E-07	8.13E-07	4.71E-07	4.59E-07	4.16E-07	1.90E-07	1.87E-07	8.99E-09	2.17E-07	4.79E-08	6.24E-08	9.89E-08	1.74E-08	1.24E-08	4.65E-07	2.46E-07	1.04E-07	1.23E-07	4.81E-08	2.46E-07	1.04E-07
2309	494661.06	3860002	7.72E-04	7.53E-04	7.43E-04	2.67E-07	8.07E-07	4.67E-07	4.56E-07	4.13E-07	1.88E-07	1.86E-07	8.92E-09	2.15E-07	4.75E-08	6.19E-08	9.81E-08	1.73E-08	1.23E-08	4.61E-07	2.44E-07	1.03E-07	1.22E-07	4.78E-08	2.44E-07	1.03E-07
2310	494711.06	3860002	7.51E-04	7.32E-04	7.23E-04	2.60E-07	7.84E-07	4.54E-07	4.43E-07	4.02E-07	1.83E-07	1.81E-07	8.68E-09	2.10E-07	4.62E-08	6.02E-08	9.54E-08	1.68E-08	1.19E-08	4.49E-07	2.37E-07	1.01E-07	1.18E-07	4.64E-08	2.37E-07	1.01E-07
2311	494761.06	3860002	7.51E-04	7.33E-04	7.23E-04	2.60E-07	7.85E-07	4.55E-07	4.44E-07	4.02E-07	1.83E-07	1.81E-07	8.69E-09	2.10E-07	4.63E-08	6.02E-08	9.55E-08	1.68E-08	1.19E-08	4.49E-07	2.37E-07	1.01E-07	1.18E-07	4.65E-08	2.37E-07	1.01E-07
2312	494811.06	3860002	7.46E-04	7.28E-04	7.19E-04	2.58E-07	7.80E-07	4.52E-07	4.41E-07	3.99E-07	1.82E-07	1.80E-07	8.63E-09	2.08E-07	4.60E-08	5.98E-08	9.49E-08	1.67E-08	1.19E-08	4.46E-07	2.36E-07	9.99E-08	1.18E-07	4.62E-08	2.36E-07	9.99E-08
2313	494861.06	3860002	7.43E-04	7.25E-04	7.15E-04	2.57E-07	7.76E-07	4.49E-07	4.38E-07	3.97E-07	1.81E-07	1.79E-07	8.58E-09	2.07E-07	4.58E-08	5.95E-08	9.44E-08	1.66E-08	1.18E-08	4.44E-07	2.34E-07	9.94E-08	1.17E-07	4.60E-08	2.34E-07	9.94E-08
2314	494911.06	3860002	7.24E-04	7.07E-04	6.97E-04	2.51E-07	7.57E-07	4.38E-07	4.28E-07	3.88E-07	1.77E-07	1.75E-07	8.37E-09	2.02E-07	4.46E-08	5.81E-08	9.21E-08	1.62E-08	1.15E-08	4.33E-07	2.29E-07	9.70E-08	1.14E-07	4.48E-08	2.29E-07	9.70E-08
2315	494961.06	3860002	7.20E-04	7.03E-04	6.93E-04	2.49E-07	7.53E-07	4.36E-07	4.25E-07	3.85E-07	1.76E-07	1.74E-07	8.33E-09	2.01E-07	4.44E-08	5.77E-08	9.16E-08	1.61E-08	1.14E-08	4.31E-07	2.27E-07	9.64E-08	1.13E-07	4.46E-08	2.27E-07	9.64E-08
2316	495011.06	3860002	7.12E-04	6.94E-04	6.85E-04	2.46E-07	7.44E-07	4.31E-07	4.20E-07	3.81E-07	1.74E-07	1.71E-07	8.22E-09	1.99E-07	4.38E-08	5.70E-08	9.05E-08	1.59E-08	1.13E-08	4.26E-07	2.25E-07	9.53E-08	1.12E-07	4.40E-08	2.25E-07	9.53E-08
2317	495061.06	3860002	7.08E-04	6.91E-04	6.81E-04	2.45E-07	7.40E-07	4.28E-07	4.18E-07	3.79E-07	1.73E-07	1.71E-07	8.18E-09	1.98E-07	4.36E-08	5.67E-08	9.00E-08	1.59E-08	1.13E-08	4.23E-07	2.23E-07	9.48E-08	1.11E-07	4.38E-08	2.23E-07	9.48E-08
2318	495111.06	3860002	6.99E-04	6.82E-04	6.73E-04	2.42E-07	7.30E-07	4.23E-07	4.13E-07	3.74E-07	1.71E-07	1.68E-07	8.08E-09	1.95E-07	4.30E-08	5.60E-08	8.88E-08	1.57E-08	1.11E-08	4.18E-07	2.21E-07	9.36E-08	1.10E-07	4.32E-08	2.21E-07	9.36E-08
2319	495161.06	3860002	6.90E-04	6.74E-04	6.65E-04	2.39E-07	7.22E-07	4.18E-07	4.08E-07	3.69E-07	1.69E-07	1.66E-07	7.98E-09	1.93E-07	4.25E-08	5.53E-08	8.78E-08	1.55E-08	1.10E-08	4.13E-07	2.18E-07	9.24E-08	1.09E-07	4.27E-08	2.18E-07	9.24E-08
2320	495211.06	3860002	6.86E-04	6.70E-04	6.61E-04	2.38E-07	7.17E-07	4.15E-07	4.05E-07	3.67E-07	1.68E-07	1.65E-07	7.93E-09	1.92E-07	4.23E-08	5.50E-08	8.73E-08	1.54E-08	1.09E-08	4.10E-07	2.17E-07	9.19E-08	1.08E-07	4.25E-08	2.17E-07	9.19E-08
2321	495261.06	3860002	6.79E-04	6.62E-04	6.54E-04	2.35E-07	7.09E-07	4.11E-07	4.01E-07	3.63E-07	1.66E-07	1.64E-07	7.85E-09	1.90E-07	4.18E-08	5.44E-08	8.63E-08	1.52E-08	1.08E-08	4.06E-07	2.14E-07	9.09E-08	1.07E-07	4.20E-08	2.14E-07	9.09E-08
2322	495311.06	3860002	6.73E-04	6.57E-04	6.48E-04	2.33E-07	7.03E-07	4.07E-07	3.97E-07	3.60E-07	1.64E-07	1.62E-07	7.78E-09	1.88E-07	4.15E-08	5.39E-08	8.56E-08	1.51E-08	1.07E-08	4.02E-07	2.12E-07	9.01E-08	1.06E-07	4.16E-08	2.12E-07	9.01E-08
2323	495361.06	3860002	6.63E-04	6.47E-04	6.38E-04	2.29E-07	6.93E-07	4.01E-07	3.91E-07	3.55E-07	1.62E-07	1.60E-07	7.66E-09	1.85E-07	4.08E-08	5.31E-08	8.43E-08	1.48E-08	1.05E-08	3.96E-07	2.09E-07	8.87E-08	1.04E-07	4.10E-08	2.09E-07	8.87E-08
2324	495411.06	3860002	6.60E-04	6.44E-04	6.36E-04	2.28E-07	6.90E-07	3.99E-07	3.90E-07	3.53E-07	1.61E-07	1.59E-07	7.63E-09	1.84E-07	4.07E-08	5.29E-08	8.39E-08	1.48E-08	1.05E-08	3.95E-07	2.08E-07	8.84E-08	1.04E-07	4.09E-08	2.08E-07	8.84E-08
2325	495461.06	3860002	6.53E-04	6.38E-04	6.29E-04	2.26E-07	6.83E-07	3.95E-07	3.86E-07	3.50E-07	1.60E-07	1.57E-07	7.55E-09	1.82E-07	4.03E-08	5.24E-08	8.31E-08	1.46E-08	1.04E-08	3.91E-07	2.06E-07	8.75E-08	1.03E-07	4.04E-08	2.06E-07	8.75E-08
2326	495511.06	3860002	6.47E-04	6.32E-04	6.23E-04	2.24E-07	6.76E-07	3.92E-07	3.82E-07	3.46E-07	1.58E-07	1.56E-07	7.48E-09	1.81E-07	3.99E-08	5.19E-08	8.23E-08	1.45E-08	1.03E-08	3.87E-07	2.04E-07	8.67E-08	1.02E-07	4.01E-08	2.04E-07	8.67E-08
2327	495561.06	3860002	6.44E-04	6.28E-04	6.20E-04	2.23E-07	6.73E-07	3.90E-07	3.80E-07	3.45E-07	1.57E-07	1.55E-07	7.44E-09	1.80E-07	3.97E-08	5.16E-08	8.19E-08	1.44E-08	1.02E-08	3.85E-07	2.03E-07	8.62E-08	1.01E-07	3.98E-08	2.03E-07	8.62E-08
2328	495611.06	3860002	6.36E-04	6.21E-04	6.13E-04	2.20E-07	6.65E-07	3.85E-07	3.76E-07	3.41E-07	1.55E-07	1.53E-07	7.36E-09	1.78E-07	3.92E-08	5.10E-08	8.09E-08	1.43E-08	1.01E-08	3.81E-07	2.01E-07	8.52E-08	1.00E-07	3.94E-08	2.01E-07	8.52E-08
2329	495661.06	3860002	6.29E-04	6.14E-04	6.06E-04	2.18E-07	6.57E-07	3.81E-07	3.71E-07	3.37E-07	1.54E-07	1.52E-07	7.27E-09	1.76E-07	3.88E-08	5.04E-08	8.00E-08	1.41E-08	1.00E-08	3.76E-07	1.99E-07	8.42E-08	9.91E-08	3.89E-08	1.99E-07	8.42E-08
2330	494411.06	3860052	8.23E-04	8.03E-04	7.92E-04	2.85E-07	8.60E-07	4.98E-07	4.86E-07	4.40E-07	2.01E-07	1.98E-07	9.51E-09	2.30E-07	5.07E-08	6.60E-08	1.05E-07	1.84E-08	1.31E-08	4.92E-07	2.60E-07	1.10E-07	1.30E-07	5.09E-08	2.60E-07	1.10E-07
2331	494461.06	3860052	8.13E-04	7.93E-04	7.83E-04	2.81E-07	8.49E-07	4.92E-07	4.80E-07	4.35E-07	1.98E-07	1.96E-07	9.39E-09	2.27E-07	5.01E-08	6.52E-08	1.03E-07	1.82E-08	1.29E-08	4.86E-07	2.57E-07	1.09E-07	1.28E-07	5.03E-08	2.57E-07	1.09E-07
2332	494511.06	3860052	8.04E-04	7.84E-04	7.74E-04	2.78E-07	8.40E-07	4.86E-07	4.74E-07	4.30E-07	1.96E-07	1.94E-07	9.29E-09	2.24E-07	4.95E-08	6.44E-08	1.02E-07	1.80E-08	1.28E-08	4.81E-07	2.54E-07	1.08E-07	1.27E-07	4.97E-08	2.54E-07	1.08E-07
2333	494561.06	3860052	8.04E-04	7.85E-04	7.75E-04	2.78E-07	8.41E-07	4.87E-07	4.75E-07	4.31E-07	1.96E-07	1.94E-07	9.30E-09	2.25E-07	4.96E-08	6.45E-08	1.02E-07	1.80E-08	1.28E-08	4.81E-07	2.54E-07	1.08E-07	1.27E-07	4.98E-08	2.54E-07	1.08E-07
2334	494611.06	3860052	7.99E-04	7.80E-04	7.70E-04	2.77E-07	8.36E-07	4.84E-07	4.72E-07	4.28E-07	1.95E-07	1.93E-07	9.24E-09	2.23E-07	4.93E-08	6.41E-08	1.02E-07	1.79E-08	1.27E-08	4.78E-07	2.52E-07	1.07E-07	1.26E-07	4.95E-08	2.52E-07	1.07E-07
2335	494661.06	3860052	7.93E-04	7.74E-04	7.63E-04	2.74E-07	8.29E-07	4.80E-07	4.68E-07	4.24E-07	1.94E-07	1.91E-07	9.16E-09	2.21E-07	4.88E-08	6.36E-08	1.01E-07	1.78E-08	1.26E-08	4.74E-07	2.50E-07	1.06E-07	1.25E-07	4.91E-08	2.50E-07	1.06E-07
2336	494711.06	3860052	7.78E-04	7.59E-04	7.49E-04	2.69E-07	8.13E-07	4.71E-07	4.59E-07	4.16E-07	1.90E-07	1.87E-07	8.99E-09	2.17E-07	4.79E-08	6.24E-08	9.89E-08	1.74E-08	1.24E-08	4.65E-07	2.46E-07	1.04E-07	1.23E-07	4.81E-08	2.46E-07	1.04E-07
2337	494761.06	3860052	7.72E-04	7.53E-04	7.43E-04	2.67E-07	8.07E-07	4.67E-07	4.56E-07	4.13E-07	1.89E-07	1.86E-07	8.92E-09	2.16E-07	4.76E-08	6.19E-08	9.82E-08	1.73E-08	1.23E-08	4.62E-07	2.44E-07	1.03E-07	1.22E-07	4.78E-08	2.44E-07	1.03E-07
2338	494811.06	3860052	7.70E-04	7.51E-04	7.41E-04	2.67E-07	8.05E-07	4.66E-07	4.55E-07	4.12E-07	1.88E-07	1.86E-07	8.90E-09	2.15E-07	4.74E-08	6.17E-08	9.79E-08	1.73E-08	1.22E-08	4.60E-07	2.43E-07	1.03E-07	1.21E-07	4.77E-08	2.43E-07	1.03E-07
2339	494861.06	3860052	7.67E-04	7.49E-04	7.39E-04	2.66E-07	8.02E-07	4.64E-07	4.53E-07	4.11E-07	1.87E-07	1.85E-07	8.87E-09	2.14E-07	4.73E-08	6.15E-08	9.76E-08	1.72E-08	1.22E-08	4.59E-07	2.42E-07	1.03E-07	1.21E-07	4.75E-08	2.42E-07	1.03E-07
2340	494911.06	3860052	7.55E-04	7.37E-04	7.27E-04	2.62E-07	7.90E-07	4.57E-07	4.46E-07	4.04E-07	1.85E-07	1.82E-07	8.73E-09	2.11E-07	4.65E-08	6.06E-08	9.61E-08	1.69E-08	1.20E-08	4.52E-07	2.38E-07	1.01E-07	1.19E-07	4.68E-08	2.38E-07	1.01E-07
2341	494961.06	3860052	7.44E-04	7.26E-04	7.16E-04	2.58E-07	7.78E-07	4.50E-07	4.39E-07	3.98E-07	1.82E-07	1.79E-07	8.60E-09	2.08E-07	4.58E-08	5.96E-08	9.46E-08	1.67E-08	1.18E-08	4.45E-07	2.35E-07	9.96E-08	1.17E-07	4.60E-08	2.35E-07	9.96E-08
2342	495011.06	3860052	7.34E-04	7.16E-04	7.06E-04	2.54E-07	7.67E-07	4.44E-07	4.33E-07	3.93E-07	1.79E-07	1.77E-07	8.48E-09	2.05E-07	4.52E-08	5.88E-08	9.33E-08	1.64E-08	1.17E-08	4.39E-07	2.32E-07	9.82E-08	1.16E-07	4.54E-08	2.32E-07	9.82E-08
2343	495061.06	3860052	7.26E-04	7.08E-04	6.99E-04	2.51E-07	7.58E-07	4.39E-07	4.28E-07	3.88E-07	1.77E-07	1.75E-07	8.39E-09	2.03E-07	4.47E-08	5.82E-08	9.23E-08	1.63E-08	1.15E-08	4.34E-07	2.29E-07	9.72E-08	1.14E-07	4.49E-08	2.29E-07	9.72E-08
2344	495111.06	3860052	7.15E-04	6.98E-04	6.89E-04	2.48E-07	7.48E-07	4.33E-07	4.22E-07	3.83E-07	1.75E-07	1.72E-07	8.27E-09	2.00E-07	4.41E-08	5.73E-08	9.10E-08	1.60E-08	1.14E-08	4.28E-07	2.26E-07	9.58E-08	1.13E-07	4.43E-08	2.26E-07	9.58E-08
2345	495161.06	3860052	7.08E-04	6.91E-04	6.81E-04	2.45E-07	7.40E-07	4.28E-07	4.18E-07	3.79E-07	1.73E-07	1.71E-07	8.18E-09	1.98E-07	4.36E-08	5.67E-08	9.00E-08	1.59E-08	1.13E-08	4.23E-07	2.23E-07	9.48E-08	1.11E-07	4.38E-08	2.23E-07	9.48E-08
2346	495211.06	3860052	6.99E-04	6.83E-04	6.74E-04	2.42E-07	7.31E-07	4.23E-07	4.13E-07	3.74E-07	1.71E-07	1.69E-07	8.09E-09	1.95E-07	4.31E-08	5.61E-08	8.90E-08	1.57E-08	1.11E-08	4.18E-07	2.21E-07	9.37E-08	1.10E-07	4.33E-08	2.21E-07	9.37E-08
2347	495261.06	3860052	6.95E-04	6.78E-04	6.69E-04	2.40E-07	7.26E-07	4.20E-07	4.10E-07	3.72E-07	1.70E-07	1.67E-07	8.03E-09	1.94E-07	4.28E-08	5.57E-08	8.83E-08	1.56E-08	1.10E-08	4.15E-07	2.19E-07	9.30E-08	1.09E-07	4.30E-08	2.19E-07	9.30E-08
2348	495311.06	3860052	6.90E-04	6.73E-04	6.64E-04	2.39E-07	7.21E-07	4.17E-07	4.07E-07	3.69E-07	1.68E-07	1.66E-07	7.97E-09	1.93E-07	4.25E-08	5.53E-08	8.77E-08	1.55E-08	1.10E-08	4.12E-07	2.18E-07	9.23E-08	1.09E-07	4.27E-08	2.18E-07	9.23E-08
2349	495361.06	3860052	6.84E-04	6.68E-04	6.59E-04	2.37E-07	7.15E-07	4.14E-07	4.04E-07	3.66E-07	1.67E-07	1.65E-07	7.91E-09	1.91E-07	4.22E-08	5.48E-08	8.70E-08	1.53E-08	1.09E-08	4.09E-07	2.16E-07	9.16E-08	1.08E-07	4.23E-08	2.16E-07	9.16E-08
2350	495411.06	3860052	6.78E-04	6.62E-04	6.53E-04	2.35E-07	7.09E-07	4.10E-07	4.00E-07	3.63E-07	1.66E-07	1.63E-07	7.84E-09	1.89E-07	4.18E-08	5.43E-08	8.62E-08	1.52E-08	1.08E-08	4.05E-07	2.14E-07	9.08E-08	1.07E-07	4.20E-08	2.14E-07	9.08E-08
2351	495461.06	3860052	6.71E-04	6.55E-04	6.46E-04	2.32E-07	7.01E-07	4.06E-07	3.96E-07	3.59E-07	1.64E-07	1.62E-07	7.75E-09	1.87E-07	4.13E-08	5.38E-08	8.53E-08	1.50E-08	1.07E-08	4.01E-07	2.12E-07	8.98E-08	1.06E-07	4.15E-08	2.12E-07	8.98E-08
2352	495511.06	3860052	6.66E-04	6.50E-04	6.41E-04	2.31E-07	6.96E-07	4.03E-07	3.93E-07	3.56E-07	1.63E-07	1.60E-07	7.70E-09	1.86E-07	4.10E-08	5.34E-08	8.47E-08	1.49E-08	1.06E-08	3.98E-07	2.10E-07	8.92E-08	1.05E-07	4.12E-08	2.10E-07	8.92E-08
2353	495561.06	3860052	6.60E-04	6.44E-04	6.36E-04	2.28E-07	6.90E-07	3.99E-07	3.90E-07	3.53E-07	1.61E-07	1.59E-07	7.63E-09	1.84E-07	4.07E-08	5.29E-08	8.39E-08	1.48E-08	1.05E-08	3.95E-07	2.08E-07	8.84E-08	1.04E-07	4.09E-08	2.08E-07	8.84E-08
2354	495611.06	3860052	6.53E-04	6.37E-04	6.29E-04	2.26E-07	6.83E-07	3.95E-07	3.86E-07	3.50E-07	1.59E-07	1.57E-07	7.55E-09	1.82E-07	4.02E-08	5.23E-08	8.30E-08	1.46E-08	1.04E-08	3.91E-07	2.06E-07	8.74E-08	1.03E-07	4.04E-08	2.06E-07	8.74E-08
2355	495661.06	3860052	6.45E-04	6.29E-04	6.21E-04	2.23E-07	6.74E-07	3.90E-07	3.81E-07	3.45E-07	1.57E-07	1.55E-07	7.45E-09	1.80E-07	3.97E-08	5.17E-08	8.20E-08	1.44E-08	1.02E-08	3.86E-07	2.03E-07	8.63E-08	1.02E-07	3.99E-08	2.03E-07	8.63E-08
2356	494411.06	3860102	8.36E-04	8.16E-04	8.05E-04	2.90E-07	8.74E-07	5.06E-07	4.94E-07	4.48E-07	2.04E-07	2.02E-07	9.67E-09	2.34E-07	5.15E-08	6.70E-08	1.06E-07	1.87E-08	1.33E-08	5.00E-07	2.64E-07	1.12E-07	1.32E-07	5.18E-08	2.64E-07	1.12E-07
2357	494461.06	3860102	8.36E-04	8.16E-04	8.05E-04	2.89E-07	8.74E-07	5.06E-07	4.94E-07	4.47E-07	2.04E-07	2.01E-07	9.66E-09	2.33E-07	5.15E-08	6.70E-08	1.06E-07	1.87E-08	1.33E-08	5.00E-07	2.64E-07	1.12E-07	1.32E-07	5.17E-08	2.64E-07	1.12E-07
2358	494511.06	3860102	8.21E-04	8.02E-04	7.91E-04	2.84E-07	8.59E-07	4.97E-07	4.85E-07	4.40E-07	2.01E-07	1.98E-07	9.50E-09	2.29E-07	5.06E-08	6.59E-08	1.04E-07	1.84E-08	1.31E-08	4.91E-07	2.59E-07	1.10E-07	1.29E-07	5.08E-08	2.59E-07	1.10E-07
2359	494561.06	3860102	8.17E-04	7.97E-04	7.87E-04	2.83E-07	8.54E-07	4.94E-07	4.82E-07	4.37E-07	2.00E-07	1.97E-07	9.44E-09	2.28E-07	5.03E-08	6.55E-08	1.04E-07	1.83E-08	1.30E-08	4.89E-07	2.58E-07	1.09E-07	1.29E-07	5.06E-08	2.58E-07	1.09E-07
2360	494611.06	3860102	8.18E-04	7.98E-04	7.87E-04	2.83E-07	8.55E-07	4.95E-07	4.83E-07	4.38E-07	2.00E-07	1.97E-07	9.45E-09	2.28E-07	5.04E-08	6.56E-08	1.04E-07	1.83E-08	1.30E-08	4.89E-07	2.58E-07	1.10E-07	1.29E-07	5.06E-08	2.58E-07	1.10E-07
2361	494661.06	3860102	8.13E-04	7.93E-04	7.83E-04	2.81E-07	8.49E-07	4.92E-07	4.80E-07	4.35E-07	1.98E-07	1.96E-07	9.39E-09	2.27E-07	5.01E-08	6.52E-08	1.03E-07	1.82E-08	1.29E-08	4.86E-07	2.57E-07	1.09E-07	1.28E-07	5.03E-08	2.57E-07	1.09E-07

2362	494711.06	3860102	7.99E-04	7.79E-04	7.69E-04	2.76E-07	8.35E-07	4.83E-07	4.72E-07	4.27E-07	1.95E-07	1.92E-07	9.23E-09	2.23E-07	4.92E-08	6.40E-08	1.02E-07	1.79E-08	1.27E-08	4.78E-07	2.52E-07	1.07E-07	1.26E-07	4.94E-08	2.52E-07	1.07E-07
2363	494761.06	3860102	7.93E-04	7.74E-04	7.63E-04	2.74E-07	8.29E-07	4.80E-07	4.68E-07	4.24E-07	1.94E-07	1.91E-07	9.16E-09	2.21E-07	4.88E-08	6.36E-08	1.01E-07	1.78E-08	1.26E-08	4.74E-07	2.50E-07	1.06E-07	1.25E-07	4.91E-08	2.50E-07	1.06E-07
2364	494811.06	3860102	7.88E-04	7.69E-04	7.59E-04	2.73E-07	8.23E-07	4.77E-07	4.65E-07	4.22E-07	1.92E-07	1.90E-07	9.11E-09	2.20E-07	4.85E-08	6.32E-08	1.00E-07	1.77E-08	1.25E-08	4.71E-07	2.49E-07	1.06E-07	1.24E-07	4.88E-08	2.49E-07	1.06E-07
2365	494861.06	3860102	7.92E-04	7.73E-04	7.63E-04	2.74E-07	8.28E-07	4.79E-07	4.68E-07	4.24E-07	1.94E-07	1.91E-07	9.16E-09	2.21E-07	4.88E-08	6.35E-08	1.01E-07	1.78E-08	1.26E-08	4.74E-07	2.50E-07	1.06E-07	1.25E-07	4.90E-08	2.50E-07	1.06E-07
2366	494911.06	3860102	7.69E-04	7.50E-04	7.40E-04	2.66E-07	8.04E-07	4.65E-07	4.54E-07	4.11E-07	1.88E-07	1.85E-07	8.89E-09	2.15E-07	4.74E-08	6.16E-08	9.78E-08	1.72E-08	1.22E-08	4.60E-07	2.43E-07	1.03E-07	1.21E-07	4.76E-08	2.43E-07	1.03E-07
2367	494961.06	3860102	7.62E-04	7.44E-04	7.34E-04	2.64E-07	7.97E-07	4.61E-07	4.50E-07	4.08E-07	1.86E-07	1.84E-07	8.81E-09	2.13E-07	4.70E-08	6.11E-08	9.69E-08	1.71E-08	1.21E-08	4.56E-07	2.41E-07	1.02E-07	1.20E-07	4.72E-08	2.41E-07	1.02E-07
2368	495011.06	3860102	7.52E-04	7.34E-04	7.24E-04	2.60E-07	7.86E-07	4.55E-07	4.44E-07	4.03E-07	1.84E-07	1.81E-07	8.69E-09	2.10E-07	4.63E-08	6.03E-08	9.57E-08	1.69E-08	1.20E-08	4.50E-07	2.37E-07	1.01E-07	1.18E-07	4.66E-08	2.37E-07	1.01E-07
2369	495061.06	3860102	7.43E-04	7.25E-04	7.15E-04	2.57E-07	7.77E-07	4.50E-07	4.39E-07	3.98E-07	1.81E-07	1.79E-07	8.59E-09	2.07E-07	4.58E-08	5.96E-08	9.45E-08	1.67E-08	1.18E-08	4.44E-07	2.35E-07	9.95E-08	1.17E-07	4.60E-08	2.35E-07	9.95E-08
2370	495111.06	3860102	7.32E-04	7.14E-04	7.05E-04	2.53E-07	7.65E-07	4.43E-07	4.32E-07	3.92E-07	1.79E-07	1.76E-07	8.46E-09	2.04E-07	4.51E-08	5.87E-08	9.31E-08	1.64E-08	1.16E-08	4.38E-07	2.31E-07	9.80E-08	1.15E-07	4.53E-08	2.31E-07	9.80E-08
2371	495161.06	3860102	7.27E-04	7.09E-04	7.00E-04	2.52E-07	7.60E-07	4.40E-07	4.29E-07	3.89E-07	1.78E-07	1.75E-07	8.40E-09	2.03E-07	4.48E-08	5.83E-08	9.24E-08	1.63E-08	1.16E-08	4.35E-07	2.29E-07	9.73E-08	1.15E-07	4.50E-08	2.29E-07	9.73E-08
2372	495211.06	3860102	7.19E-04	7.02E-04	6.93E-04	2.49E-07	7.52E-07	4.35E-07	4.25E-07	3.85E-07	1.76E-07	1.73E-07	8.32E-09	2.01E-07	4.43E-08	5.77E-08	9.15E-08	1.61E-08	1.14E-08	4.30E-07	2.27E-07	9.63E-08	1.13E-07	4.45E-08	2.27E-07	9.63E-08
2373	495261.06	3860102	7.13E-04	6.96E-04	6.86E-04	2.47E-07	7.45E-07	4.31E-07	4.21E-07	3.81E-07	1.74E-07	1.72E-07	8.24E-09	1.99E-07	4.39E-08	5.71E-08	9.06E-08	1.60E-08	1.13E-08	4.26E-07	2.25E-07	9.54E-08	1.12E-07	4.41E-08	2.25E-07	9.54E-08
2374	495311.06	3860102	7.06E-04	6.89E-04	6.80E-04	2.44E-07	7.38E-07	4.27E-07	4.17E-07	3.78E-07	1.72E-07	1.70E-07	8.16E-09	1.97E-07	4.35E-08	5.66E-08	8.98E-08	1.58E-08	1.12E-08	4.22E-07	2.23E-07	9.46E-08	1.11E-07	4.37E-08	2.23E-07	9.46E-08
2375	495361.06	3860102	7.02E-04	6.85E-04	6.76E-04	2.43E-07	7.34E-07	4.25E-07	4.14E-07	3.76E-07	1.71E-07	1.69E-07	8.11E-09	1.96E-07	4.33E-08	5.63E-08	8.93E-08	1.57E-08	1.12E-08	4.20E-07	2.22E-07	9.40E-08	1.11E-07	4.34E-08	2.22E-07	9.40E-08
2376	495411.06	3860102	6.95E-04	6.79E-04	6.70E-04	2.41E-07	7.27E-07	4.21E-07	4.11E-07	3.72E-07	1.70E-07	1.68E-07	8.04E-09	1.94E-07	4.28E-08	5.57E-08	8.84E-08	1.56E-08	1.11E-08	4.16E-07	2.19E-07	9.31E-08	1.10E-07	4.30E-08	2.19E-07	9.31E-08
2377	495461.06	3860102	6.85E-04	6.69E-04	6.60E-04	2.37E-07	7.16E-07	4.15E-07	4.05E-07	3.67E-07	1.67E-07	1.65E-07	7.92E-09	1.91E-07	4.22E-08	5.49E-08	8.72E-08	1.54E-08	1.09E-08	4.10E-07	2.16E-07	9.18E-08	1.08E-07	4.24E-08	2.16E-07	9.18E-08
2378	495511.06	3860102	6.82E-04	6.65E-04	6.56E-04	2.36E-07	7.12E-07	4.12E-07	4.02E-07	3.65E-07	1.66E-07	1.64E-07	7.88E-09	1.90E-07	4.20E-08	5.46E-08	8.67E-08	1.53E-08	1.08E-08	4.08E-07	2.15E-07	9.13E-08	1.07E-07	4.22E-08	2.15E-07	9.13E-08
2379	495561.06	3860102	6.77E-04	6.61E-04	6.52E-04	2.35E-07	7.08E-07	4.10E-07	4.00E-07	3.63E-07	1.65E-07	1.63E-07	7.83E-09	1.89E-07	4.17E-08	5.43E-08	8.62E-08	1.52E-08	1.08E-08	4.05E-07	2.14E-07	9.07E-08	1.07E-07	4.19E-08	2.14E-07	9.07E-08
2380	495611.06	3860102	6.68E-04	6.52E-04	6.44E-04	2.31E-07	6.99E-07	4.04E-07	3.95E-07	3.58E-07	1.63E-07	1.61E-07	7.73E-09	1.87E-07	4.12E-08	5.36E-08	8.50E-08	1.50E-08	1.06E-08	4.00E-07	2.11E-07	8.95E-08	1.05E-07	4.14E-08	2.11E-07	8.95E-08
2381	495661.06	3860102	6.63E-04	6.47E-04	6.38E-04	2.29E-07	6.93E-07	4.01E-07	3.91E-07	3.55E-07	1.62E-07	1.60E-07	7.66E-09	1.85E-07	4.08E-08	5.31E-08	8.43E-08	1.48E-08	1.05E-08	3.96E-07	2.09E-07	8.87E-08	1.04E-07	4.10E-08	2.09E-07	8.87E-08
2382	494861.06	3860152	8.20E-04	8.00E-04	7.89E-04	2.84E-07	8.57E-07	4.96E-07	4.84E-07	4.39E-07	2.00E-07	1.98E-07	9.48E-09	2.29E-07	5.05E-08	6.57E-08	1.04E-07	1.84E-08	1.30E-08	4.90E-07	2.59E-07	1.10E-07	1.29E-07	5.07E-08	2.59E-07	1.10E-07
2383	494911.06	3860152	7.93E-04	7.74E-04	7.63E-04	2.74E-07	8.29E-07	4.80E-07	4.68E-07	4.24E-07	1.94E-07	1.91E-07	9.16E-09	2.21E-07	4.88E-08	6.36E-08	1.01E-07	1.78E-08	1.26E-08	4.74E-07	2.50E-07	1.06E-07	1.25E-07	4.91E-08	2.50E-07	1.06E-07
2384	494961.06	3860152	7.83E-04	7.64E-04	7.54E-04	2.71E-07	8.18E-07	4.74E-07	4.62E-07	4.19E-07	1.91E-07	1.89E-07	9.05E-09	2.19E-07	4.82E-08	6.28E-08	9.96E-08	1.75E-08	1.24E-08	4.68E-07	2.47E-07	1.05E-07	1.23E-07	4.85E-08	2.47E-07	1.05E-07
2385	495011.06	3860152	7.73E-04	7.54E-04	7.44E-04	2.67E-07	8.07E-07	4.67E-07	4.56E-07	4.13E-07	1.89E-07	1.86E-07	8.93E-09	2.16E-07	4.76E-08	6.19E-08	9.82E-08	1.73E-08	1.23E-08	4.62E-07	2.44E-07	1.03E-07	1.22E-07	4.78E-08	2.44E-07	1.03E-07
2386	495061.06	3860152	7.63E-04	7.44E-04	7.34E-04	2.64E-07	7.97E-07	4.61E-07	4.50E-07	4.08E-07	1.86E-07	1.84E-07	8.81E-09	2.13E-07	4.70E-08	6.11E-08	9.70E-08	1.71E-08	1.21E-08	4.56E-07	2.41E-07	1.02E-07	1.20E-07	4.72E-08	2.41E-07	1.02E-07
2387	495111.06	3860152	7.55E-04	7.36E-04	7.27E-04	2.61E-07	7.89E-07	4.57E-07	4.46E-07	4.04E-07	1.84E-07	1.82E-07	8.72E-09	2.11E-07	4.65E-08	6.05E-08	9.60E-08	1.69E-08	1.20E-08	4.51E-07	2.38E-07	1.01E-07	1.19E-07	4.67E-08	2.38E-07	1.01E-07
2388	495161.06	3860152	7.48E-04	7.30E-04	7.20E-04	2.59E-07	7.81E-07	4.52E-07	4.41E-07	4.00E-07	1.83E-07	1.80E-07	8.64E-09	2.09E-07	4.61E-08	5.99E-08	9.51E-08	1.68E-08	1.19E-08	4.47E-07	2.36E-07	1.00E-07	1.18E-07	4.63E-08	2.36E-07	1.00E-07
2389	495211.06	3860152	7.40E-04	7.22E-04	7.12E-04	2.56E-07	7.73E-07	4.48E-07	4.37E-07	3.96E-07	1.81E-07	1.78E-07	8.55E-09	2.07E-07	4.56E-08	5.93E-08	9.41E-08	1.66E-08	1.18E-08	4.42E-07	2.33E-07	9.91E-08	1.17E-07	4.58E-08	2.33E-07	9.91E-08
2390	495261.06	3860152	7.34E-04	7.16E-04	7.06E-04	2.54E-07	7.67E-07	4.44E-07	4.33E-07	3.93E-07	1.79E-07	1.77E-07	8.48E-09	2.05E-07	4.52E-08	5.88E-08	9.33E-08	1.64E-08	1.17E-08	4.39E-07	2.32E-07	9.82E-08	1.16E-07	4.54E-08	2.32E-07	9.82E-08
2391	495311.06	3860152	7.27E-04	7.09E-04	7.00E-04	2.52E-07	7.60E-07	4.40E-07	4.29E-07	3.89E-07	1.78E-07	1.75E-07	8.40E-09	2.03E-07	4.48E-08	5.83E-08	9.24E-08	1.63E-08	1.16E-08	4.35E-07	2.29E-07	9.73E-08	1.15E-07	4.50E-08	2.29E-07	9.73E-08
2392	495361.06	3860152	7.21E-04	7.04E-04	6.94E-04	2.50E-07	7.54E-07	4.36E-07	4.26E-07	3.86E-07	1.76E-07	1.74E-07	8.34E-09	2.01E-07	4.44E-08	5.78E-08	9.17E-08	1.62E-08	1.15E-08	4.31E-07	2.28E-07	9.66E-08	1.14E-07	4.46E-08	2.28E-07	9.66E-08
2393	495411.06	3860152	7.14E-04	6.97E-04	6.88E-04	2.47E-07	7.47E-07	4.32E-07	4.22E-07	3.82E-07	1.74E-07	1.72E-07	8.26E-09	1.99E-07	4.40E-08	5.73E-08	9.09E-08	1.60E-08	1.14E-08	4.27E-07	2.25E-07	9.57E-08	1.13E-07	4.42E-08	2.25E-07	9.57E-08
2394	495461.06	3860152	7.08E-04	6.91E-04	6.81E-04	2.45E-07	7.40E-07	4.28E-07	4.18E-07	3.79E-07	1.73E-07	1.71E-07	8.18E-09	1.98E-07	4.36E-08	5.67E-08	9.00E-08	1.59E-08	1.13E-08	4.23E-07	2.23E-07	9.48E-08	1.11E-07	4.38E-08	2.23E-07	9.48E-08
2395	495511.06	3860152	7.00E-04	6.83E-04	6.74E-04	2.42E-07	7.32E-07	4.23E-07	4.13E-07	3.75E-07	1.71E-07	1.69E-07	8.09E-09	1.95E-07	4.31E-08	5.61E-08	8.90E-08	1.57E-08	1.11E-08	4.19E-07	2.21E-07	9.37E-08	1.10E-07	4.33E-08	2.21E-07	9.37E-08
2396	495561.06	3860152	6.95E-04	6.78E-04	6.69E-04	2.41E-07	7.26E-07	4.20E-07	4.10E-07	3.72E-07	1.70E-07	1.67E-07	8.03E-09	1.94E-07	4.28E-08	5.57E-08	8.84E-08	1.56E-08	1.10E-08	4.16E-07	2.19E-07	9.31E-08	1.09E-07	4.30E-08	2.19E-07	9.31E-08
2397	495611.06	3860152	6.87E-04	6.71E-04	6.62E-04	2.38E-07	7.19E-07	4.16E-07	4.06E-07	3.68E-07	1.68E-07	1.66E-07	7.95E-09	1.92E-07	4.24E-08	5.51E-08	8.74E-08	1.54E-08	1.09E-08	4.11E-07	2.17E-07	9.21E-08	1.08E-07	4.25E-08	2.17E-07	9.21E-08
2398	495661.06	3860152	6.79E-04	6.63E-04	6.54E-04	2.35E-07	7.10E-07	4.11E-07	4.01E-07	3.64E-07	1.66E-07	1.64E-07	7.85E-09	1.90E-07	4.18E-08	5.44E-08	8.64E-08	1.52E-08	1.08E-08	4.06E-07	2.14E-07	9.09E-08	1.07E-07	4.20E-08	2.14E-07	9.09E-08
2399	495718.25	3859443	4.79E-04	4.68E-04	4.61E-04	1.66E-07	5.01E-07	2.90E-07	2.83E-07	2.56E-07	1.17E-07	1.15E-07	5.54E-09	1.34E-07	2.95E-08	3.84E-08	6.09E-08	1.07E-08	7.62E-09	2.87E-07	1.51E-07	6.42E-08	7.55E-08	2.97E-08	1.51E-07	6.42E-08
2400	495818.25	3859443	4.70E-04	4.59E-04	4.53E-04	1.63E-07	4.92E-07	2.85E-07	2.78E-07	2.52E-07	1.15E-07	1.13E-07	5.44E-09	1.31E-07	2.90E-08	3.77E-08	5.98E-08	1.05E-08	7.48E-09	2.81E-07	1.48E-07	6.30E-08	7.41E-08	2.91E-08	1.48E-07	6.30E-08
2401	495918.25	3859443	4.64E-04	4.53E-04	4.47E-04	1.61E-07	4.85E-07	2.81E-07	2.74E-07	2.48E-07	1.13E-07	1.12E-07	5.36E-09	1.30E-07	2.86E-08	3.72E-08	5.90E-08	1.04E-08	7.37E-09	2.77E-07	1.46E-07	6.21E-08	7.31E-08	2.87E-08	1.46E-07	6.21E-08
2402	496018.25	3859443	4.58E-04	4.47E-04	4.41E-04	1.59E-07	4.79E-07	2.77E-07	2.70E-07	2.45E-07	1.12E-07	1.10E-07	5.29E-09	1.28E-07	2.82E-08	3.67E-08	5.82E-08	1.03E-08	7.28E-09	2.74E-07	1.45E-07	6.13E-08	7.22E-08	2.83E-08	1.45E-07	6.13E-08
2403	496118.25	3859443	4.58E-04	4.47E-04	4.41E-04	1.59E-07	4.79E-07	2.77E-07	2.70E-07	2.45E-07	1.12E-07	1.10E-07	5.29E-09	1.28E-07	2.82E-08	3.67E-08	5.82E-08	1.03E-08	7.28E-09	2.74E-07	1.45E-07	6.13E-08	7.22E-08	2.83E-08	1.45E-07	6.13E-08
2404	496218.25	3859443	4.57E-04	4.46E-04	4.40E-04	1.58E-07	4.77E-07	2.76E-07	2.70E-07	2.44E-07	1.12E-07	1.10E-07	5.28E-09	1.28E-07	2.81E-08	3.66E-08	5.81E-08	1.02E-08	7.26E-09	2.73E-07	1.44E-07	6.12E-08	7.20E-08	2.83E-08	1.44E-07	6.12E-08
2405	496318.25	3859443	4.52E-04	4.41E-04	4.35E-04	1.57E-07	4.73E-07	2.74E-07	2.67E-07	2.42E-07	1.10E-07	1.09E-07	5.23E-09	1.26E-07	2.79E-08	3.63E-08	5.75E-08	1.01E-08	7.19E-09	2.70E-07	1.43E-07	6.06E-08	7.12E-08	2.80E-08	1.43E-07	6.06E-08
2406	496418.25	3859443	4.47E-04	4.36E-04	4.30E-04	1.55E-07	4.67E-07	2.70E-07	2.64E-07	2.39E-07	1.09E-07	1.08E-07	5.17E-09	1.25E-07	2.75E-08	3.58E-08	5.68E-08	1.00E-08	7.10E-09	2.67E-07	1.41E-07	5.98E-08	7.04E-08	2.77E-08	1.41E-07	5.98E-08
2407	495718.25	3859543	5.01E-04	4.89E-04	4.83E-04	1.73E-07	5.24E-07	3.03E-07	2.96E-07	2.68E-07	1.22E-07	1.21E-07	5.79E-09	1.40E-07	3.09E-08	4.02E-08	6.37E-08	1.12E-08	7.97E-09	3.00E-07	1.58E-07	6.71E-08	7.90E-08	3.10E-08	1.58E-07	6.71E-08
2408	495818.25	3859543	4.94E-04	4.82E-04	4.75E-04	1.71E-07	5.16E-07	2.99E-07	2.92E-07	2.64E-07	1.21E-07	1.19E-07	5.71E-09	1.38E-07	3.04E-08	3.96E-08	6.28E-08	1.11E-08	7.85E-09	2.95E-07	1.56E-07	6.61E-08	7.78E-08	3.06E-08	1.56E-07	6.61E-08
2409	495918.25	3859543	4.85E-04	4.73E-04	4.67E-04	1.68E-07	5.07E-07	2.93E-07	2.86E-07	2.60E-07	1.18E-07	1.17E-07	5.61E-09	1.35E-07	2.99E-08	3.89E-08	6.17E-08	1.09E-08	7.71E-09	2.90E-07	1.53E-07	6.49E-08	7.64E-08	3.00E-08	1.53E-07	6.49E-08
2410	496018.25	3859543	4.78E-04	4.66E-04	4.60E-04	1.65E-07	5.00E-07	2.89E-07	2.82E-07	2.56E-07	1.17E-07	1.15E-07	5.52E-09	1.33E-07	2.94E-08	3.83E-08	6.08E-08	1.07E-08	7.60E-09	2.86E-07	1.51E-07	6.40E-08	7.53E-08	2.96E-08	1.51E-07	6.40E-08
2411	496118.25	3859543	4.78E-04	4.66E-04	4.60E-04	1.65E-07	4.99E-07	2.89E-07	2.82E-07	2.56E-07	1.17E-07	1.15E-07	5.52E-09	1.33E-07	2.94E-08	3.83E-08	6.07E-08	1.07E-08	7.59E-09	2.86E-07	1.51E-07	6.39E-08	7.52E-08	2.96E-08	1.51E-07	6.39E-08
2412	496218.25	3859543	4.75E-04	4.64E-04	4.57E-04	1.64E-07	4.97E-07	2.87E-07	2.80E-07	2.54E-07	1.16E-07	1.14E-07	5.49E-09	1.33E-07	2.93E-08	3.81E-08	6.04E-08	1.06E-08	7.55E-09	2.84E-07	1.50E-07	6.36E-08	7.48E-08	2.94E-08	1.50E-07	6.36E-08
2413	496318.25	3859543	4.72E-04	4.60E-04	4.54E-04	1.63E-07	4.93E-07	2.85E-07	2.79E-07	2.52E-07	1.15E-07	1.14E-07	5.45E-09	1.32E-07	2.91E-08	3.78E-08	6.00E-08	1.06E-08	7.50E-09	2.82E-07	1.49E-07	6.32E-08	7.43E-08	2.92E-08	1.49E-07	6.32E-08
2414	496418.25	3859543	4.65E-04	4.54E-04	4.48E-04	1.61E-07	4.86E-07	2.81E-07	2.75E-07	2.49E-07	1.14E-07	1.12E-07	5.38E-09	1.30E-07	2.87E-08	3.73E-08	5.91E-08	1.04E-08	7.39E-09	2.78E-07	1.47E-07	6.23E-08	7.33E-08	2.88E-08	1.47E-07	6.23E-08
2415	495718.25	3859643	5.23E-04	5.11E-04	5.04E-04	1.81E-07	5.47E-07	3.17E-07	3.09E-07	2.80E-07	1.28E-07	1.26E-07	6.05E-09	1.46E-07	3.22E-08	4.19E-08	6.65E-08	1.17E-08	8.32E-09	3.13E-07	1.65E-07	7.01E-08	8.24E-08	3.24E-08	1.65E-07	7.01E-08
2416	495818.25	3859643	5.14E-04	5.02E-04	4.95E-04	1.78E-07	5.37E-07	3.11E-07	3.04E-07	2.75E-07	1.26E-07	1.24E-07	5.94E-09	1.44E-07	3.17E-08	4.12E-08	6.54E-08	1.15E-08	8.17E-09	3.07E-07	1.62E-07	6.88E-08	8.10E-08	3.18E-08	1.62E-07	6.88E-08
2417	495918.25	3859643	5.07E-04	4.95E-04	4.89E-04	1.76E-07	5.30E-07	3.07E-07	3.00E-07	2.72E-07	1.24E-07	1.22E-07	5.87E-09	1.42E-07	3.13E-08	4.07E-08	6.45E-08	1.14E-08	8.07E-09	3.03E-07	1.60E-07	6.79E-08	7.99E-08	3.14E-08	1.60E-07	6.79E-08
2418	496018.25	3859643	5.00E-04	4.87E-04	4.81E-04	1.73E-07	5.22E-07	3.02E-07	2.95E-07	2.67E-07	1.22E-07	1.20E-07	5.77E-09	1.39E-07	3.08E-08	4.00E-08	6.35E-08	1.12E-08	7.94E-09	2.99E-07	1.58E-07	6.69E-08	7.87E-08	3.09E-08	1.58E-07	6.69E-08
2419	496118.25	3859643	5.00E-04	4.88E-04	4.81E-04	1.73E-07	5.23E-07	3.02E-07	2.95E-07	2.68E-07	1.22E-07	1.20E-07	5.78E-09	1.40E-07	3.08E-08	4.01E-08	6.36E-08	1.12E-08	7.95E-09	2.99E-07	1.58E-07	6.69E-08	7.88E-08	3.09E-08	1.58E-07	6.69E-08
2420	496218.25	3859643	4.98E-04	4.86E-04	4.80E-04	1.72E-07	5.21E-07	3.01E-07	2.94E-07	2.67E-07	1.22E-07	1.20E-07	5.76E-09	1.39E-07	3.07E-08	3.99E-08	6.34E-08	1.12E-08	7.92E-09	2.98E-07	1.57E-07	6.67E-08	7.85E-08	3.08E-08	1.57E-07	6.67E-08
2421	496318.25	3859643	4.92E-04	4.80E-04	4.73E-04	1.70E-07	5.14E-07	2.97E-07	2.90E-07	2.63E-07	1.20E-07	1.18E-07	5.68E-09	1.37E-07	3.03E-08	3.94E-08	6.25E-08	1.10E-08	7.81E-09	2.94E-07	1.55E-07	6.58E-08	7.74E-08	3.04E-08	1.55E-07	6.58E-08
2422	496418.25	3859643	4.74E-04	4.63E-04	4.57E-04	1.64E-07	4.96E-07	2.87E-07	2.80E-07	2.54E-07	1.16E-07	1.14E-07	5.48E-09	1.32E-07	2.92E-08	3.80E-08	6.03E-08	1.06E-08	7.54E-09	2.84E-07	1.50E-07	6.35E-08	7.47E-08	2.93E-08	1.50E-07	6.35E-08
2423	495718.25	3859743	5.51E-04	5.38E-04	5.30E-04	1.91E-07	5.76E-07	3.33E-07	3.25E-07	2.95E-07	1.35E-07	1.33E-07	6.37E-09	1.54E-07	3.39E-08	4.42E-08	7.01E-08	1.23E-08	8.76E-09	3.29E-07	1.74E-07	7.38E-08	8.68E-08	3.41E-08	1.74E-07	7.38E-08
2424	495818.25	3859743	5.40E-04	5.27E-04	5.20E-04	1.87E-07	5.65E-07	3.27E-07	3.19E-07	2.89E-07	1.32E-07	1.30E-07	6.24E-09	1.51E-07	3.33E-08	4.33E-08	6.87E-08	1.21E-08	8.59E-09	3.23E-07	1.70E-07	7.23E-08	8.51E-08	3.34E-08	1.70E-07	7.23E-08
2425	495918.25	3859743	5.31E-04	5.19E-04	5.12E-04	1.84E-07	5.55E-07	3.22E-07	3.14E-07	2.84E-07	1.30E-07	1.28E-07	6.14E-09	1.48E-07	3.27E-08	4.26E-08	6.76E-08	1.19E-08	8.45E-09	3.18E-07	1.68E-07	7.12E-08	8.37E-08	3.29E-08	1.68E-07	7.12E-08
2426	496018.25	3859743	5.22E-04	5.10E-04	5.03E-04	1.81E-07	5.46E-07	3.16E-07	3.08E-07	2.80E-07	1.28E-07	1.26E-07	6.04E-09	1.46E-07	3.22E-08	4.19E-08	6.64E-08	1.17E-08	8.30E-09	3.12E-07	1.65E-07	6.99E-08	8.23E-08	3.23E-08	1.65E-07	6.99E-08
2427	496118.25	3859743	5.22E-04	5.09E-04	5.02E-04	1.81E-07	5.45E-07	3.16E-07	3.08E-07	2.79E-07	1.27E-07	1.26E-07	6.03E-09	1.46E-07	3.21E-08	4.18E-08	6.63E-08	1.17E-08	8.29E-09	3.12E-07	1.65E-07	6.98E-08	8.22E-08	3.23E-08	1.65E-07	6.98E-08
2428	496218.25	3859743	5.23E-04	5.11E-04	5.04E-04	1.81E-07	5.47E-07	3.17E-07	3.09E-07	2.80E-07	1.28E-07	1.26E-07	6.05E-09	1.46E-07	3.22E-08	4.19E-08	6.65E-08	1.17E-08	8.32E-09	3.13E-07	1.65E-07	7.01E-08	8.24E-08	3.24E-08	1.65E-07	7.01E-08
2429	496318.25	3859743	5.06E-04	4.94E-04	4.87E-04	1.75E-07	5.29E-07	3.06E-07	2.99E-07	2.71E-07	1.24E-07	1.22E-07	5.85E-09	1.41E-07	3.12E-08	4.05E-08	6.43E-08	1.13E-08	8.04E-09	3.02E-07	1.60E-07	6.77E-08	7.97E-08	3.13E-08	1.60E-07	6.77E-08
2430	496418.25	3859743	4.89E-04	4.77E-04	4.71E-04	1.69E-07	5.11E-07	2.96E-07	2.89E-07	2.62E-07	1.19E-07	1.18E-07	5.65E-09	1.36E-07	3.01E-08	3.92E-08	6.22E-08	1.10E-08	7.77E-09	2.92E-07	1.54E-07	6.54E-08	7.70E-08	3.02E-08	1.54E-07	6.54E-08
2431	495718.25	3859843	5.78E-04	5.64E-04	5.56E-04	2.00E-07	6.04E-07	3.50E-07	3.41E-07	3.09E-07	1.41E-07	1.39E-07	6.68E-09	1.61E-07	3.56E-08	4.63E-08	7.35E-08	1.30E-08	9.19E-09	3.46E-07	1.82E-07	7.74E-08	9.10E-08	3.58E-08	1.82E-07	7.74E-08
2432	495818.25	3859843	5.68E-04	5.55E-04	5.47E-04	1.97E-07	5.94E-07	3.44E-07	3.36E-07	3.04E-07	1.39E-07	1.37E-07	6.57E-09	1.59E-07	3.50E-08	4.56E-08	7.23E-08	1.27E-08	9.03E-09	3.40E-07	1.79E-07	7.61E-08	8.95E-08	3.52E-08	1.79E-07	7.61E-08
2433	495918.25	3859843	5.58E-04	5.45E-04	5.38E-04	1.93E-07	5.84E-07	3.38E-07	3.30E-07	2.99E-07	1.36E-07	1.35E-07	6.46E-09	1.56E-07	3.44E-08	4.48E-08	7.10E-08	1.25E-08	8.88E-09	3.34E-07	1.76E-07	7.48E-08	8.80E-08	3.46E-08	1.76E-07	7.48E-08
2434	496018.25	3859843	5.52E-04	5.39E-04	5.32E-04	1.91E-07	5.77E-07	3.34E-07	3.26E-07	2.96E-07	1.35E-07	1.33E-07	6.38E-09	1.54E-07	3.40E-08	4.43E-08	7.02E-08	1.24E-08	8.78E-09	3.30E-07	1.74E-07	7.39E-08	8.70E-08	3.42E-08	1.74E-07	7.39E-08
2435	496118.25	3859843	5.53E-04	5.40E-04	5.32E-04	1.91E-07	5.78E-07	3.35E-07	3.27E-07	2.96E-07	1.35E-07	1.33E-07	6.39E-09	1.54E-07	3.41E-08	4.43E-08	7.03E-08	1.24E-08	8.79E-09	3.31E-07	1.75E-07	7.41E-08	8.71E-08	3.42E-08	1.75E-07	7.41E-08

2436	496218.25	3859843	5.37E-04	5.24E-04	5.17E-04	1.86E-07	5.61E-07	3.25E-07	3.17E-07	2.87E-07	1.31E-07	1.29E-07	6.21E-09	1.50E-07	3.31E-08	4.30E-08	6.83E-08	1.20E-08	8.53E-09	3.21E-07	1.69E-07	7.19E-08	8.46E-08	3.32E-08	1.69E-07	7.19E-08
2437	496318.25	3859843	5.07E-04	4.94E-04	4.88E-04	1.75E-07	5.29E-07	3.07E-07	2.99E-07	2.71E-07	1.24E-07	1.22E-07	5.86E-09	1.41E-07	3.12E-08	4.06E-08	6.44E-08	1.14E-08	8.05E-09	3.03E-07	1.60E-07	6.78E-08	7.98E-08	3.14E-08	1.60E-07	6.78E-08
2438	496418.25	3859843	4.89E-04	4.77E-04	4.71E-04	1.69E-07	5.11E-07	2.96E-07	2.89E-07	2.62E-07	1.19E-07	1.18E-07	5.65E-09	1.37E-07	3.01E-08	3.92E-08	6.22E-08	1.10E-08	7.77E-09	2.93E-07	1.54E-07	6.55E-08	7.71E-08	3.03E-08	1.54E-07	6.55E-08
2439	495718.25	3859943	6.06E-04	5.91E-04	5.83E-04	2.10E-07	6.33E-07	3.67E-07	3.58E-07	3.24E-07	1.48E-07	1.46E-07	7.00E-09	1.69E-07	3.73E-08	4.86E-08	7.70E-08	1.36E-08	9.63E-09	3.62E-07	1.91E-07	8.11E-08	9.54E-08	3.75E-08	1.91E-07	8.11E-08
2440	495818.25	3859943	5.95E-04	5.80E-04	5.72E-04	2.06E-07	6.21E-07	3.60E-07	3.51E-07	3.18E-07	1.45E-07	1.43E-07	6.87E-09	1.66E-07	3.66E-08	4.77E-08	7.56E-08	1.33E-08	9.45E-09	3.56E-07	1.88E-07	7.96E-08	9.37E-08	3.68E-08	1.88E-07	7.96E-08
2441	495918.25	3859943	5.87E-04	5.72E-04	5.65E-04	2.03E-07	6.13E-07	3.55E-07	3.46E-07	3.14E-07	1.43E-07	1.41E-07	6.78E-09	1.64E-07	3.61E-08	4.70E-08	7.46E-08	1.31E-08	9.32E-09	3.51E-07	1.85E-07	7.86E-08	9.24E-08	3.63E-08	1.85E-07	7.86E-08
2442	496018.25	3859943	5.85E-04	5.71E-04	5.64E-04	2.03E-07	6.12E-07	3.54E-07	3.46E-07	3.13E-07	1.43E-07	1.41E-07	6.77E-09	1.63E-07	3.61E-08	4.69E-08	7.44E-08	1.31E-08	9.30E-09	3.50E-07	1.85E-07	7.84E-08	9.22E-08	3.62E-08	1.85E-07	7.84E-08
2443	496118.25	3859943	5.70E-04	5.56E-04	5.49E-04	1.97E-07	5.96E-07	3.45E-07	3.37E-07	3.05E-07	1.39E-07	1.37E-07	6.59E-09	1.59E-07	3.51E-08	4.57E-08	7.25E-08	1.28E-08	9.06E-09	3.41E-07	1.80E-07	7.63E-08	8.98E-08	3.53E-08	1.80E-07	7.63E-08
2444	496218.25	3859943	5.47E-04	5.34E-04	5.27E-04	1.89E-07	5.72E-07	3.31E-07	3.23E-07	2.93E-07	1.34E-07	1.32E-07	6.32E-09	1.53E-07	3.37E-08	4.38E-08	6.95E-08	1.23E-08	8.69E-09	3.27E-07	1.73E-07	7.32E-08	8.61E-08	3.38E-08	1.73E-07	7.32E-08
2445	496318.25	3859943	5.25E-04	5.12E-04	5.05E-04	1.82E-07	5.49E-07	3.18E-07	3.10E-07	2.81E-07	1.28E-07	1.26E-07	6.07E-09	1.47E-07	3.23E-08	4.21E-08	6.67E-08	1.18E-08	8.34E-09	3.14E-07	1.66E-07	7.03E-08	8.27E-08	3.25E-08	1.66E-07	7.03E-08
2446	496418.25	3859943	5.00E-04	4.87E-04	4.81E-04	1.73E-07	5.22E-07	3.02E-07	2.95E-07	2.67E-07	1.22E-07	1.20E-07	5.77E-09	1.39E-07	3.08E-08	4.00E-08	6.35E-08	1.12E-08	7.94E-09	2.99E-07	1.58E-07	6.69E-08	7.87E-08	3.09E-08	1.58E-07	6.69E-08
2447	496856.82	3858865	3.53E-04	3.45E-04	3.40E-04	1.22E-07	3.69E-07	2.14E-07	2.09E-07	1.89E-07	8.63E-08	8.52E-08	4.09E-09	9.87E-08	2.18E-08	2.83E-08	4.50E-08	7.92E-09	5.62E-09	2.11E-07	1.12E-07	4.73E-08	5.57E-08	2.19E-08	1.12E-07	4.73E-08
2448	496956.82	3858865	3.50E-04	3.42E-04	3.37E-04	1.21E-07	3.66E-07	2.12E-07	2.07E-07	1.87E-07	8.55E-08	8.44E-08	4.05E-09	9.78E-08	2.16E-08	2.81E-08	4.45E-08	7.85E-09	5.57E-09	2.09E-07	1.11E-07	4.69E-08	5.52E-08	2.17E-08	1.11E-07	4.69E-08
2449	497056.82	3858865	3.47E-04	3.38E-04	3.34E-04	1.20E-07	3.63E-07	2.10E-07	2.05E-07	1.86E-07	8.47E-08	8.36E-08	4.01E-09	9.68E-08	2.14E-08	2.78E-08	4.41E-08	7.77E-09	5.51E-09	2.07E-07	1.09E-07	4.64E-08	5.46E-08	2.15E-08	1.09E-07	4.64E-08
2450	497156.82	3858865	3.44E-04	3.35E-04	3.31E-04	1.19E-07	3.59E-07	2.08E-07	2.03E-07	1.84E-07	8.39E-08	8.28E-08	3.97E-09	9.59E-08	2.12E-08	2.75E-08	4.37E-08	7.70E-09	5.46E-09	2.05E-07	1.08E-07	4.60E-08	5.41E-08	2.13E-08	1.08E-07	4.60E-08
2451	497256.82	3858865	3.42E-04	3.34E-04	3.29E-04	1.18E-07	3.57E-07	2.07E-07	2.02E-07	1.83E-07	8.35E-08	8.24E-08	3.95E-09	9.55E-08	2.11E-08	2.74E-08	4.35E-08	7.66E-09	5.43E-09	2.04E-07	1.08E-07	4.58E-08	5.39E-08	2.12E-08	1.08E-07	4.58E-08
2452	496856.82	3858965	3.64E-04	3.55E-04	3.51E-04	1.26E-07	3.81E-07	2.20E-07	2.15E-07	1.95E-07	8.90E-08	8.78E-08	4.21E-09	1.02E-07	2.24E-08	2.92E-08	4.63E-08	8.16E-09	5.79E-09	2.18E-07	1.15E-07	4.88E-08	5.74E-08	2.25E-08	1.15E-07	4.88E-08
2453	496956.82	3858965	3.60E-04	3.51E-04	3.46E-04	1.25E-07	3.76E-07	2.18E-07	2.12E-07	1.93E-07	8.78E-08	8.67E-08	4.16E-09	1.00E-07	2.22E-08	2.88E-08	4.57E-08	8.06E-09	5.72E-09	2.15E-07	1.14E-07	4.82E-08	5.67E-08	2.23E-08	1.14E-07	4.82E-08
2454	497056.82	3858965	3.56E-04	3.47E-04	3.43E-04	1.23E-07	3.72E-07	2.15E-07	2.10E-07	1.91E-07	8.69E-08	8.58E-08	4.11E-09	9.94E-08	2.19E-08	2.85E-08	4.53E-08	7.98E-09	5.66E-09	2.13E-07	1.12E-07	4.77E-08	5.61E-08	2.20E-08	1.12E-07	4.77E-08
2455	497156.82	3858965	3.53E-04	3.44E-04	3.40E-04	1.22E-07	3.69E-07	2.13E-07	2.08E-07	1.89E-07	8.61E-08	8.50E-08	4.08E-09	9.85E-08	2.17E-08	2.83E-08	4.48E-08	7.90E-09	5.61E-09	2.11E-07	1.11E-07	4.72E-08	5.56E-08	2.18E-08	1.11E-07	4.72E-08
2456	497256.82	3858965	3.53E-04	3.45E-04	3.40E-04	1.22E-07	3.69E-07	2.14E-07	2.09E-07	1.89E-07	8.63E-08	8.52E-08	4.09E-09	9.87E-08	2.18E-08	2.83E-08	4.50E-08	7.92E-09	5.62E-09	2.11E-07	1.12E-07	4.73E-08	5.57E-08	2.19E-08	1.12E-07	4.73E-08
2457	496856.82	3859065	3.73E-04	3.64E-04	3.59E-04	1.29E-07	3.90E-07	2.26E-07	2.20E-07	2.00E-07	9.11E-08	8.99E-08	4.31E-09	1.04E-07	2.30E-08	2.99E-08	4.74E-08	8.36E-09	5.93E-09	2.23E-07	1.18E-07	4.99E-08	5.88E-08	2.31E-08	1.18E-07	4.99E-08
2458	496956.82	3859065	3.69E-04	3.60E-04	3.55E-04	1.28E-07	3.85E-07	2.23E-07	2.18E-07	1.97E-07	9.01E-08	8.89E-08	4.26E-09	1.03E-07	2.27E-08	2.96E-08	4.69E-08	8.27E-09	5.86E-09	2.21E-07	1.16E-07	4.94E-08	5.81E-08	2.28E-08	1.16E-07	4.94E-08
2459	497056.82	3859065	3.66E-04	3.57E-04	3.52E-04	1.27E-07	3.82E-07	2.21E-07	2.16E-07	1.96E-07	8.93E-08	8.81E-08	4.23E-09	1.02E-07	2.25E-08	2.93E-08	4.65E-08	8.19E-09	5.81E-09	2.19E-07	1.15E-07	4.89E-08	5.76E-08	2.26E-08	1.15E-07	4.89E-08
2460	497156.82	3859065	3.63E-04	3.54E-04	3.49E-04	1.26E-07	3.79E-07	2.19E-07	2.14E-07	1.94E-07	8.86E-08	8.74E-08	4.19E-09	1.01E-07	2.23E-08	2.91E-08	4.61E-08	8.13E-09	5.76E-09	2.17E-07	1.14E-07	4.86E-08	5.71E-08	2.24E-08	1.14E-07	4.86E-08
2461	497256.82	3859065	3.65E-04	3.56E-04	3.52E-04	1.26E-07	3.82E-07	2.21E-07	2.16E-07	1.95E-07	8.92E-08	8.80E-08	4.22E-09	1.02E-07	2.25E-08	2.93E-08	4.64E-08	8.18E-09	5.80E-09	2.18E-07	1.15E-07	4.89E-08	5.75E-08	2.26E-08	1.15E-07	4.89E-08
2462	496856.82	3859165	3.80E-04	3.71E-04	3.66E-04	1.32E-07	3.97E-07	2.30E-07	2.24E-07	2.03E-07	9.28E-08	9.16E-08	4.39E-09	1.06E-07	2.34E-08	3.05E-08	4.83E-08	8.52E-09	6.04E-09	2.27E-07	1.20E-07	5.09E-08	5.99E-08	2.35E-08	1.20E-07	5.09E-08
2463	496956.82	3859165	3.76E-04	3.67E-04	3.62E-04	1.30E-07	3.93E-07	2.27E-07	2.22E-07	2.01E-07	9.18E-08	9.06E-08	4.34E-09	1.05E-07	2.32E-08	3.01E-08	4.78E-08	8.42E-09	5.97E-09	2.25E-07	1.19E-07	5.03E-08	5.92E-08	2.33E-08	1.19E-07	5.03E-08
2464	497056.82	3859165	3.73E-04	3.64E-04	3.60E-04	1.29E-07	3.90E-07	2.26E-07	2.20E-07	2.00E-07	9.12E-08	9.00E-08	4.32E-09	1.04E-07	2.30E-08	2.99E-08	4.75E-08	8.37E-09	5.94E-09	2.23E-07	1.18E-07	5.00E-08	5.88E-08	2.31E-08	1.18E-07	5.00E-08
2465	497156.82	3859165	3.74E-04	3.65E-04	3.60E-04	1.29E-07	3.91E-07	2.26E-07	2.21E-07	2.00E-07	9.13E-08	9.01E-08	4.32E-09	1.04E-07	2.30E-08	3.00E-08	4.75E-08	8.38E-09	5.94E-09	2.24E-07	1.18E-07	5.01E-08	5.89E-08	2.31E-08	1.18E-07	5.01E-08
2466	497256.82	3859165	3.78E-04	3.68E-04	3.64E-04	1.31E-07	3.95E-07	2.28E-07	2.23E-07	2.02E-07	9.22E-08	9.10E-08	4.36E-09	1.05E-07	2.33E-08	3.03E-08	4.80E-08	8.46E-09	6.00E-09	2.26E-07	1.19E-07	5.06E-08	5.95E-08	2.34E-08	1.19E-07	5.06E-08
2467	496856.82	3859265	3.87E-04	3.78E-04	3.73E-04	1.34E-07	4.05E-07	2.34E-07	2.29E-07	2.07E-07	9.45E-08	9.33E-08	4.47E-09	1.08E-07	2.38E-08	3.10E-08	4.92E-08	8.68E-09	6.15E-09	2.31E-07	1.22E-07	5.18E-08	6.10E-08	2.40E-08	1.22E-07	5.18E-08
2468	496956.82	3859265	3.85E-04	3.76E-04	3.71E-04	1.33E-07	4.03E-07	2.33E-07	2.28E-07	2.06E-07	9.41E-08	9.29E-08	4.46E-09	1.08E-07	2.37E-08	3.09E-08	4.90E-08	8.64E-09	6.13E-09	2.30E-07	1.22E-07	5.16E-08	6.07E-08	2.39E-08	1.22E-07	5.16E-08
2469	497056.82	3859265	3.86E-04	3.77E-04	3.72E-04	1.34E-07	4.03E-07	2.33E-07	2.28E-07	2.07E-07	9.42E-08	9.30E-08	4.46E-09	1.08E-07	2.38E-08	3.09E-08	4.91E-08	8.65E-09	6.13E-09	2.31E-07	1.22E-07	5.17E-08	6.08E-08	2.39E-08	1.22E-07	5.17E-08
2470	497156.82	3859265	3.86E-04	3.77E-04	3.72E-04	1.34E-07	4.03E-07	2.33E-07	2.28E-07	2.07E-07	9.42E-08	9.30E-08	4.46E-09	1.08E-07	2.38E-08	3.09E-08	4.91E-08	8.65E-09	6.13E-09	2.31E-07	1.22E-07	5.17E-08	6.08E-08	2.39E-08	1.22E-07	5.17E-08
2471	497256.82	3859265	3.89E-04	3.79E-04	3.74E-04	1.35E-07	4.06E-07	2.35E-07	2.30E-07	2.08E-07	9.49E-08	9.37E-08	4.49E-09	1.09E-07	2.40E-08	3.12E-08	4.94E-08	8.71E-09	6.18E-09	2.32E-07	1.23E-07	5.21E-08	6.12E-08	2.41E-08	1.23E-07	5.21E-08
2472	497088.92	3858621	3.22E-04	3.14E-04	3.10E-04	1.11E-07	3.36E-07	1.95E-07	1.90E-07	1.72E-07	7.86E-08	7.76E-08	3.72E-09	8.99E-08	1.98E-08	2.58E-08	4.09E-08	7.22E-09	5.12E-09	1.93E-07	1.02E-07	4.31E-08	5.07E-08	1.99E-08	1.02E-07	4.31E-08
2473	497138.92	3858621	3.22E-04	3.14E-04	3.10E-04	1.11E-07	3.36E-07	1.95E-07	1.90E-07	1.72E-07	7.85E-08	7.75E-08	3.72E-09	8.98E-08	1.98E-08	2.58E-08	4.09E-08	7.21E-09	5.11E-09	1.92E-07	1.01E-07	4.31E-08	5.07E-08	1.99E-08	1.01E-07	4.31E-08
2474	497188.92	3858621	3.20E-04	3.13E-04	3.08E-04	1.11E-07	3.35E-07	1.94E-07	1.89E-07	1.71E-07	7.82E-08	7.72E-08	3.70E-09	8.94E-08	1.97E-08	2.57E-08	4.07E-08	7.18E-09	5.09E-09	1.92E-07	1.01E-07	4.29E-08	5.05E-08	1.98E-08	1.01E-07	4.29E-08
2475	497238.92	3858621	3.19E-04	3.12E-04	3.08E-04	1.11E-07	3.34E-07	1.93E-07	1.89E-07	1.71E-07	7.80E-08	7.70E-08	3.69E-09	8.92E-08	1.97E-08	2.56E-08	4.06E-08	7.16E-09	5.08E-09	1.91E-07	1.01E-07	4.28E-08	5.03E-08	1.98E-08	1.01E-07	4.28E-08
2476	497088.92	3858671	3.25E-04	3.17E-04	3.13E-04	1.13E-07	3.40E-07	1.97E-07	1.92E-07	1.74E-07	7.94E-08	7.84E-08	3.76E-09	9.08E-08	2.00E-08	2.61E-08	4.14E-08	7.29E-09	5.17E-09	1.95E-07	1.03E-07	4.36E-08	5.12E-08	2.01E-08	1.03E-07	4.36E-08
2477	497138.92	3858671	3.25E-04	3.17E-04	3.13E-04	1.13E-07	3.40E-07	1.97E-07	1.92E-07	1.74E-07	7.94E-08	7.84E-08	3.76E-09	9.08E-08	2.00E-08	2.61E-08	4.14E-08	7.29E-09	5.17E-09	1.95E-07	1.03E-07	4.36E-08	5.12E-08	2.01E-08	1.03E-07	4.36E-08
2478	497188.92	3858671	3.24E-04	3.16E-04	3.12E-04	1.12E-07	3.39E-07	1.96E-07	1.91E-07	1.73E-07	7.91E-08	7.81E-08	3.75E-09	9.05E-08	2.00E-08	2.60E-08	4.12E-08	7.26E-09	5.15E-09	1.94E-07	1.02E-07	4.34E-08	5.10E-08	2.01E-08	1.02E-07	4.34E-08
2479	497238.92	3858671	3.24E-04	3.16E-04	3.12E-04	1.12E-07	3.38E-07	1.96E-07	1.91E-07	1.73E-07	7.90E-08	7.80E-08	3.74E-09	9.04E-08	1.99E-08	2.59E-08	4.12E-08	7.25E-09	5.14E-09	1.94E-07	1.02E-07	4.33E-08	5.10E-08	2.00E-08	1.02E-07	4.33E-08
2480	497088.92	3858721	3.31E-04	3.23E-04	3.19E-04	1.15E-07	3.46E-07	2.00E-07	1.95E-07	1.77E-07	8.09E-08	7.98E-08	3.83E-09	9.24E-08	2.04E-08	2.65E-08	4.21E-08	7.42E-09	5.26E-09	1.98E-07	1.04E-07	4.43E-08	5.22E-08	2.05E-08	1.04E-07	4.43E-08
2481	497138.92	3858721	3.27E-04	3.19E-04	3.15E-04	1.13E-07	3.42E-07	1.98E-07	1.93E-07	1.75E-07	7.98E-08	7.88E-08	3.78E-09	9.13E-08	2.01E-08	2.62E-08	4.16E-08	7.33E-09	5.20E-09	1.96E-07	1.03E-07	4.38E-08	5.15E-08	2.02E-08	1.03E-07	4.38E-08
2482	497188.92	3858721	3.26E-04	3.18E-04	3.14E-04	1.13E-07	3.41E-07	1.97E-07	1.93E-07	1.75E-07	7.96E-08	7.86E-08	3.77E-09	9.11E-08	2.01E-08	2.61E-08	4.15E-08	7.31E-09	5.18E-09	1.95E-07	1.03E-07	4.37E-08	5.14E-08	2.02E-08	1.03E-07	4.37E-08
2483	497238.92	3858721	3.28E-04	3.20E-04	3.16E-04	1.13E-07	3.43E-07	1.98E-07	1.94E-07	1.75E-07	8.00E-08	7.90E-08	3.79E-09	9.15E-08	2.02E-08	2.63E-08	4.17E-08	7.35E-09	5.21E-09	1.96E-07	1.03E-07	4.39E-08	5.16E-08	2.03E-08	1.03E-07	4.39E-08
2484	497088.92	3858771	3.35E-04	3.27E-04	3.22E-04	1.16E-07	3.50E-07	2.03E-07	1.98E-07	1.79E-07	8.18E-08	8.07E-08	3.87E-09	9.35E-08	2.06E-08	2.68E-08	4.26E-08	7.50E-09	5.32E-09	2.00E-07	1.06E-07	4.48E-08	5.27E-08	2.07E-08	1.06E-07	4.48E-08
2485	497138.92	3858771	3.33E-04	3.25E-04	3.20E-04	1.15E-07	3.48E-07	2.01E-07	1.96E-07	1.78E-07	8.13E-08	8.02E-08	3.85E-09	9.29E-08	2.05E-08	2.67E-08	4.23E-08	7.46E-09	5.29E-09	1.99E-07	1.05E-07	4.46E-08	5.24E-08	2.06E-08	1.05E-07	4.46E-08
2486	497188.92	3858771	3.31E-04	3.23E-04	3.19E-04	1.15E-07	3.46E-07	2.00E-07	1.95E-07	1.77E-07	8.09E-08	7.98E-08	3.83E-09	9.24E-08	2.04E-08	2.65E-08	4.21E-08	7.42E-09	5.26E-09	1.98E-07	1.04E-07	4.43E-08	5.22E-08	2.05E-08	1.04E-07	4.43E-08
2487	497238.92	3858771	3.32E-04	3.24E-04	3.20E-04	1.15E-07	3.47E-07	2.01E-07	1.96E-07	1.78E-07	8.12E-08	8.01E-08	3.84E-09	9.28E-08	2.05E-08	2.66E-08	4.23E-08	7.45E-09	5.28E-09	1.99E-07	1.05E-07	4.45E-08	5.24E-08	2.06E-08	1.05E-07	4.45E-08
2488	497396.65	3858623	3.25E-04	3.17E-04	3.13E-04	1.12E-07	3.40E-07	1.97E-07	1.92E-07	1.74E-07	7.93E-08	7.83E-08	3.76E-09	9.07E-08	2.00E-08	2.60E-08	4.13E-08	7.28E-09	5.16E-09	1.94E-07	1.03E-07	4.35E-08	5.12E-08	2.01E-08	1.03E-07	4.35E-08
2489	497496.65	3858623	3.28E-04	3.20E-04	3.16E-04	1.13E-07	3.43E-07	1.98E-07	1.94E-07	1.75E-07	8.00E-08	7.90E-08	3.79E-09	9.15E-08	2.02E-08	2.63E-08	4.17E-08	7.35E-09	5.21E-09	1.96E-07	1.03E-07	4.39E-08	5.16E-08	2.03E-08	1.03E-07	4.39E-08
2490	497596.65	3858623	3.34E-04	3.26E-04	3.22E-04	1.16E-07	3.50E-07	2.02E-07	1.97E-07	1.79E-07	8.17E-08	8.06E-08	3.87E-09	9.34E-08	2.06E-08	2.68E-08	4.25E-08	7.49E-09	5.32E-09	2.00E-07	1.06E-07	4.48E-08	5.27E-08	2.07E-08	1.06E-07	4.48E-08
2491	497696.65	3858623	3.36E-04	3.28E-04	3.24E-04	1.16E-07	3.51E-07	2.03E-07	1.98E-07	1.80E-07	8.21E-08	8.10E-08	3.88E-09	9.38E-08	2.07E-08	2.69E-08	4.27E-08	7.53E-09	5.34E-09	2.01E-07	1.06E-07	4.50E-08	5.29E-08	2.08E-08	1.06E-07	4.50E-08
2492	497796.65	3858623	3.40E-04	3.32E-04	3.27E-04	1.18E-07	3.55E-07	2.06E-07	2.01E-07	1.82E-07	8.30E-08	8.19E-08	3.93E-09	9.49E-08	2.09E-08	2.72E-08	4.32E-08	7.62E-09	5.40E-09	2.03E-07	1.07E-07	4.55E-08	5.35E-08	2.10E-08	1.07E-07	4.55E-08
2493	497896.65	3858623	3.44E-04	3.36E-04	3.31E-04	1.19E-07	3.59E-07	2.08E-07	2.03E-07	1.84E-07	8.40E-08	8.29E-08	3.98E-09	9.60E-08	2.12E-08	2.76E-08	4.37E-08	7.71E-09	5.47E-09	2.06E-07	1.09E-07	4.61E-08	5.42E-08	2.13E-08	1.09E-07	4.61E-08
2494	497396.65	3858723	3.35E-04	3.27E-04	3.22E-04	1.16E-07	3.50E-07	2.03E-07	1.98E-07	1.79E-07	8.18E-08	8.07E-08	3.87E-09	9.35E-08	2.06E-08	2.68E-08	4.26E-08	7.50E-09	5.32E-09	2.00E-07	1.06E-07	4.48E-08	5.27E-08	2.07E-08	1.06E-07	4.48E-08
2495	497496.65	3858723	3.38E-04	3.30E-04	3.25E-04	1.17E-07	3.53E-07	2.04E-07	1.99E-07	1.81E-07	8.25E-08	8.14E-08	3.90E-09	9.43E-08	2.08E-08	2.71E-08	4.29E-08	7.57E-09	5.37E-09	2.02E-07	1.07E-07	4.52E-08	5.32E-08	2.09E-08	1.07E-07	4.52E-08
2496	497596.65	3858723	3.43E-04	3.35E-04	3.30E-04	1.19E-07	3.59E-07	2.08E-07	2.03E-07	1.84E-07	8.38E-08	8.27E-08	3.97E-09	9.58E-08	2.11E-08	2.75E-08	4.36E-08	7.69E-09	5.45E-09	2.05E-07	1.08E-07	4.59E-08	5.41E-08	2.12E-08	1.08E-07	4.59E-08
2497	497696.65	3858723	3.46E-04	3.38E-04	3.33E-04	1.20E-07	3.62E-07	2.09E-07	2.04E-07	1.85E-07	8.45E-08	8.34E-08	4.00E-09	9.66E-08	2.13E-08	2.77E-08	4.40E-08	7.75E-09	5.50E-09	2.07E-07	1.09E-07	4.63E-08	5.45E-08	2.14E-08	1.09E-07	4.63E-08
2498	497796.65	3858723	3.48E-04	3.39E-04	3.35E-04	1.20E-07	3.63E-07	2.10E-07	2.05E-07	1.86E-07	8.49E-08	8.38E-08	4.02E-09	9.71E-08	2.14E-08	2.79E-08	4.42E-08	7.79E-09	5.53E-09	2.08E-07	1.10E-07	4.66E-08	5.48E-08	2.15E-08	1.10E-07	4.66E-08
2499	497896.65	3858723	3.51E-04	3.42E-04	3.38E-04	1.21E-07	3.67E-07	2.12E-07	2.07E-07	1.88E-07	8.57E-08	8.46E-08	4.06E-09	9.80E-08	2.16E-08	2.81E-08	4.46E-08	7.87E-09	5.58E-09	2.10E-07	1.11E-07	4.70E-08	5.53E-08	2.17E-08	1.11E-07	4.70E-08
2500	497396.65	3858823	3.43E-04	3.34E-04	3.30E-04	1.19E-07	3.58E-07	2.07E-07	2.02E-07	1.83E-07	8.37E-08	8.26E-08	3.96E-09	9.57E-08	2.11E-08	2.75E-08	4.36E-08	7.68E-09	5.45E-09	2.05E-07	1.08E-07	4.59E-08	5.40E-08	2.12E-08	1.08E-07	4.59E-08
2501	497496.65	3858823	3.45E-04	3.36E-04	3.32E-04	1.19E-07	3.60E-07	2.09E-07	2.04E-07	1.85E-07	8.42E-08	8.31E-08	3.99E-09	9.63E-08	2.12E-08	2.76E-08	4.38E-08	7.73E-09	5.48E-09	2.06E-07	1.09E-07	4.62E-08	5.43E-08	2.13E-08	1.09E-07	4.62E-08
2502	497596.65	3858823	3.51E-04	3.42E-04	3.38E-04	1.21E-07	3.67E-07	2.12E-07	2.07E-07	1.88E-07	8.57E-08	8.46E-08	4.06E-09	9.80E-08	2.16E-08	2.81E-08	4.46E-08	7.87E-09	5.58E-09	2.10E-07	1.11E-07	4.70E-08	5.53E-08	2.17E-08	1.11E-07	4.70E-08
2503	497696.65	3858823	3.54E-04	3.45E-04	3.41E-04	1.23E-07	3.70E-07	2.14E-07	2.09E-07	1.89E-07	8.64E-08	8.53E-08	4.09E-09	9.88E-08	2.18E-08	2.84E-08	4.50E-08	7.93E-09	5.63E-09	2.12E-07	1.12E-07	4.74E-08	5.57E-08	2.19E-08	1.12E-07	4.74E-08
2504	497796.65	3858823	3.55E-04	3.47E-04	3.42E-04	1.23E-07	3.71E-07	2.15E-07	2.10E-07	1.90E-07	8.67E-08	8.56E-08	4.11E-09	9.92E-08	2.19E-08	2.85E-08	4.52E-08	7.96E-09	5.64E-09	2.12E-07	1.12E-07	4.76E-08	5.59E-08	2.20E-08	1.12E-07	4.76E-08
2505	497896.65	3858823	3.61E-04	3.52E-04	3.47E-04	1.25E-07	3.77E-07	2.18E-07	2.13E-07	1.93E-07	8.80E-08	8.69E-08	4.17E-09	1.01E-07	2.22E-08	2.89E-08	4.58E-08	8.08E-09	5.73E-09	2.16E-07	1.14E-07	4.83E-08	5.68E-08	2.23E-08	1.14E-07	4.83E-08
2506	497396.65	3858923	3.51E-04	3.43E-04	3.38E-04	1.22E-07	3.67E-07	2.13E-07	2.07E-07	1.88E-07	8.58E-08	8.47E-08	4.06E-09	9.81E-08	2.17E-08	2.82E-08	4.47E-08	7.88E-09	5.59E-09	2.10E-07	1.11E-07	4.71E-08	5.54E-08	2.17E-08	1.11E-07	4.71E-08
2507	497496.65	3858923	3.57E-04	3.48E-04	3.44E-04	1.24E-07	3.73E-07	2.16E-07	2.11E-07	1.91E-07	8.71E-08	8.60E-08	4.12E-09	9.96E-08	2.20E-08	2.86E-08	4.54E-08	8.00E-09	5.67E-09	2.13E-07	1.13E-07	4.78E-08	5.62E-08	2.21E-08	1.13E-07	4.78E-08
2508	497596.65	3858923	3.56E-04	3.48E-04	3.43E-04	1.23E-07	3.72E-07	2.16E-07	2.10E-07	1.91E-07	8.70E-08	8.59E-08	4.12E-09	9.95E-08	2.20E-08	2.86E-08	4.53E-08	7.99E-09	5.66E-09	2.13E-07	1.12E-07	4.77E-08	5.61E-08	2.21E-08	1.12E-07	4.77E-08
2509	497696.65	3858923	3.62E-04	3.53E-04	3.49E-04	1.25E-07	3.79E-07	2.19E-07	2.14E-07	1.94E-07	8.85E-08	8.73E-08	4.19E-09	1.01E-07	2.23E-08	2.90E-08	4.61E-08	8.12E-09	5.76E-09	2.17E-07	1.14E-07	4.85E-08	5.71E-08	2.24E-08	1.14E-07	4.85E-08

2510	497796.65	3858923	3.67E-04	3.58E-04	3.53E-04	1.27E-07	3.83E-07	2.22E-07	2.17E-07	1.96E-07	8.96E-08	8.84E-08	4.24E-09	1.02E-07	2.26E-08	2.94E-08	4.66E-08	8.22E-09	5.83E-09	2.19E-07	1.16E-07	4.91E-08	5.78E-08	2.27E-08	1.16E-07	4.91E-08
2511	497896.65	3858923	3.73E-04	3.64E-04	3.59E-04	1.29E-07	3.89E-07	2.25E-07	2.20E-07	1.99E-07	9.10E-08	8.98E-08	4.31E-09	1.04E-07	2.30E-08	2.99E-08	4.74E-08	8.35E-09	5.92E-09	2.23E-07	1.18E-07	4.99E-08	5.87E-08	2.31E-08	1.18E-07	4.99E-08
2512	497364.44	3858202	3.00E-04	2.92E-04	2.88E-04	1.04E-07	3.13E-07	1.81E-07	1.77E-07	1.60E-07	7.32E-08	7.22E-08	3.46E-09	8.36E-08	1.85E-08	2.40E-08	3.81E-08	6.71E-09	4.76E-09	1.79E-07	9.45E-08	4.01E-08	4.72E-08	1.85E-08	9.45E-08	4.01E-08
2513	497414.44	3858202	3.00E-04	2.93E-04	2.89E-04	1.04E-07	3.14E-07	1.82E-07	1.77E-07	1.61E-07	7.34E-08	7.24E-08	3.47E-09	8.39E-08	1.85E-08	2.41E-08	3.82E-08	6.73E-09	4.77E-09	1.80E-07	9.48E-08	4.02E-08	4.73E-08	1.86E-08	9.48E-08	4.02E-08
2514	497464.44	3858202	3.02E-04	2.95E-04	2.91E-04	1.05E-07	3.16E-07	1.83E-07	1.78E-07	1.62E-07	7.38E-08	7.28E-08	3.49E-09	8.43E-08	1.86E-08	2.42E-08	3.84E-08	6.77E-09	4.80E-09	1.81E-07	9.53E-08	4.04E-08	4.76E-08	1.87E-08	9.53E-08	4.04E-08
2515	497514.44	3858202	3.03E-04	2.96E-04	2.92E-04	1.05E-07	3.17E-07	1.83E-07	1.79E-07	1.62E-07	7.40E-08	7.30E-08	3.50E-09	8.46E-08	1.87E-08	2.43E-08	3.85E-08	6.79E-09	4.81E-09	1.81E-07	9.56E-08	4.06E-08	4.77E-08	1.87E-08	9.56E-08	4.06E-08
2516	497564.44	3858202	3.02E-04	2.95E-04	2.91E-04	1.05E-07	3.16E-07	1.83E-07	1.78E-07	1.62E-07	7.38E-08	7.28E-08	3.49E-09	8.43E-08	1.86E-08	2.42E-08	3.84E-08	6.77E-09	4.80E-09	1.81E-07	9.53E-08	4.04E-08	4.76E-08	1.87E-08	9.53E-08	4.04E-08
2517	497614.44	3858202	3.02E-04	2.95E-04	2.91E-04	1.05E-07	3.16E-07	1.83E-07	1.79E-07	1.62E-07	7.39E-08	7.29E-08	3.50E-09	8.44E-08	1.86E-08	2.42E-08	3.85E-08	6.78E-09	4.81E-09	1.81E-07	9.55E-08	4.05E-08	4.76E-08	1.87E-08	9.55E-08	4.05E-08
2518	497364.44	3858252	3.04E-04	2.96E-04	2.92E-04	1.05E-07	3.17E-07	1.84E-07	1.79E-07	1.63E-07	7.42E-08	7.32E-08	3.51E-09	8.48E-08	1.87E-08	2.43E-08	3.86E-08	6.81E-09	4.83E-09	1.82E-07	9.58E-08	4.07E-08	4.78E-08	1.88E-08	9.58E-08	4.07E-08
2519	497414.44	3858252	3.05E-04	2.98E-04	2.94E-04	1.06E-07	3.19E-07	1.85E-07	1.80E-07	1.63E-07	7.46E-08	7.36E-08	3.53E-09	8.53E-08	1.88E-08	2.45E-08	3.88E-08	6.84E-09	4.85E-09	1.83E-07	9.64E-08	4.09E-08	4.81E-08	1.89E-08	9.64E-08	4.09E-08
2520	497464.44	3858252	3.05E-04	2.97E-04	2.93E-04	1.05E-07	3.18E-07	1.84E-07	1.80E-07	1.63E-07	7.44E-08	7.34E-08	3.52E-09	8.50E-08	1.88E-08	2.44E-08	3.87E-08	6.83E-09	4.84E-09	1.82E-07	9.61E-08	4.08E-08	4.80E-08	1.88E-08	9.61E-08	4.08E-08
2521	497514.44	3858252	3.03E-04	2.96E-04	2.92E-04	1.05E-07	3.17E-07	1.84E-07	1.79E-07	1.62E-07	7.41E-08	7.31E-08	3.51E-09	8.47E-08	1.87E-08	2.43E-08	3.86E-08	6.80E-09	4.82E-09	1.81E-07	9.57E-08	4.06E-08	4.78E-08	1.88E-08	9.57E-08	4.06E-08
2522	497564.44	3858252	3.03E-04	2.96E-04	2.92E-04	1.05E-07	3.17E-07	1.83E-07	1.79E-07	1.62E-07	7.40E-08	7.30E-08	3.50E-09	8.46E-08	1.87E-08	2.43E-08	3.85E-08	6.79E-09	4.81E-09	1.81E-07	9.56E-08	4.06E-08	4.77E-08	1.87E-08	9.56E-08	4.06E-08
2523	497614.44	3858252	3.02E-04	2.95E-04	2.91E-04	1.05E-07	3.16E-07	1.83E-07	1.79E-07	1.62E-07	7.39E-08	7.29E-08	3.50E-09	8.44E-08	1.86E-08	2.42E-08	3.85E-08	6.78E-09	4.81E-09	1.81E-07	9.55E-08	4.05E-08	4.76E-08	1.87E-08	9.55E-08	4.05E-08
2524	497364.44	3858302	3.06E-04	2.99E-04	2.95E-04	1.06E-07	3.20E-07	1.85E-07	1.81E-07	1.64E-07	7.48E-08	7.38E-08	3.54E-09	8.55E-08	1.89E-08	2.45E-08	3.89E-08	6.86E-09	4.87E-09	1.83E-07	9.66E-08	4.10E-08	4.82E-08	1.89E-08	9.66E-08	4.10E-08
2525	497414.44	3858302	3.07E-04	3.00E-04	2.96E-04	1.06E-07	3.21E-07	1.86E-07	1.82E-07	1.65E-07	7.51E-08	7.41E-08	3.55E-09	8.58E-08	1.89E-08	2.46E-08	3.91E-08	6.89E-09	4.89E-09	1.84E-07	9.70E-08	4.12E-08	4.84E-08	1.90E-08	9.70E-08	4.12E-08
2526	497464.44	3858302	3.06E-04	2.98E-04	2.94E-04	1.06E-07	3.20E-07	1.85E-07	1.81E-07	1.64E-07	7.47E-08	7.37E-08	3.53E-09	8.54E-08	1.88E-08	2.45E-08	3.89E-08	6.85E-09	4.86E-09	1.83E-07	9.65E-08	4.09E-08	4.82E-08	1.89E-08	9.65E-08	4.09E-08
2527	497514.44	3858302	3.05E-04	2.98E-04	2.94E-04	1.06E-07	3.19E-07	1.85E-07	1.80E-07	1.63E-07	7.45E-08	7.35E-08	3.52E-09	8.51E-08	1.88E-08	2.44E-08	3.88E-08	6.83E-09	4.85E-09	1.82E-07	9.62E-08	4.08E-08	4.80E-08	1.89E-08	9.62E-08	4.08E-08
2528	497564.44	3858302	3.04E-04	2.96E-04	2.92E-04	1.05E-07	3.17E-07	1.84E-07	1.79E-07	1.63E-07	7.42E-08	7.32E-08	3.51E-09	8.48E-08	1.87E-08	2.43E-08	3.86E-08	6.81E-09	4.83E-09	1.82E-07	9.58E-08	4.07E-08	4.78E-08	1.88E-08	9.58E-08	4.07E-08
2529	497614.44	3858302	3.03E-04	2.96E-04	2.92E-04	1.05E-07	3.17E-07	1.83E-07	1.79E-07	1.62E-07	7.40E-08	7.30E-08	3.50E-09	8.46E-08	1.87E-08	2.43E-08	3.85E-08	6.79E-09	4.81E-09	1.81E-07	9.56E-08	4.06E-08	4.77E-08	1.87E-08	9.56E-08	4.06E-08
2530	497364.44	3858352	3.09E-04	3.02E-04	2.98E-04	1.07E-07	3.23E-07	1.87E-07	1.82E-07	1.65E-07	7.55E-08	7.45E-08	3.57E-09	8.63E-08	1.90E-08	2.48E-08	3.93E-08	6.93E-09	4.91E-09	1.85E-07	9.76E-08	4.14E-08	4.87E-08	1.91E-08	9.76E-08	4.14E-08
2531	497414.44	3858352	3.08E-04	3.01E-04	2.97E-04	1.07E-07	3.22E-07	1.87E-07	1.82E-07	1.65E-07	7.53E-08	7.43E-08	3.56E-09	8.61E-08	1.90E-08	2.47E-08	3.92E-08	6.91E-09	4.90E-09	1.84E-07	9.73E-08	4.13E-08	4.86E-08	1.91E-08	9.73E-08	4.13E-08
2532	497464.44	3858352	3.08E-04	3.00E-04	2.96E-04	1.07E-07	3.22E-07	1.86E-07	1.82E-07	1.65E-07	7.52E-08	7.42E-08	3.56E-09	8.60E-08	1.90E-08	2.47E-08	3.91E-08	6.90E-09	4.89E-09	1.84E-07	9.72E-08	4.12E-08	4.85E-08	1.91E-08	9.72E-08	4.12E-08
2533	497514.44	3858352	3.07E-04	3.00E-04	2.96E-04	1.06E-07	3.21E-07	1.86E-07	1.81E-07	1.64E-07	7.50E-08	7.40E-08	3.55E-09	8.57E-08	1.89E-08	2.46E-08	3.90E-08	6.88E-09	4.88E-09	1.84E-07	9.69E-08	4.11E-08	4.84E-08	1.90E-08	9.69E-08	4.11E-08
2534	497564.44	3858352	3.05E-04	2.98E-04	2.94E-04	1.06E-07	3.19E-07	1.85E-07	1.80E-07	1.63E-07	7.46E-08	7.36E-08	3.53E-09	8.53E-08	1.88E-08	2.45E-08	3.88E-08	6.84E-09	4.85E-09	1.83E-07	9.64E-08	4.09E-08	4.81E-08	1.89E-08	9.64E-08	4.09E-08
2535	497614.44	3858352	3.05E-04	2.97E-04	2.93E-04	1.05E-07	3.18E-07	1.84E-07	1.80E-07	1.63E-07	7.44E-08	7.34E-08	3.52E-09	8.50E-08	1.88E-08	2.44E-08	3.87E-08	6.83E-09	4.84E-09	1.82E-07	9.61E-08	4.08E-08	4.80E-08	1.88E-08	9.61E-08	4.08E-08
2536	497364.44	3858402	3.09E-04	3.02E-04	2.98E-04	1.07E-07	3.23E-07	1.87E-07	1.83E-07	1.66E-07	7.56E-08	7.46E-08	3.58E-09	8.64E-08	1.91E-08	2.48E-08	3.94E-08	6.94E-09	4.92E-09	1.85E-07	9.77E-08	4.14E-08	4.88E-08	1.92E-08	9.77E-08	4.14E-08
2537	497414.44	3858402	3.09E-04	3.02E-04	2.98E-04	1.07E-07	3.23E-07	1.87E-07	1.83E-07	1.66E-07	7.56E-08	7.46E-08	3.58E-09	8.64E-08	1.91E-08	2.48E-08	3.94E-08	6.94E-09	4.92E-09	1.85E-07	9.77E-08	4.14E-08	4.88E-08	1.92E-08	9.77E-08	4.14E-08
2538	497464.44	3858402	3.09E-04	3.01E-04	2.97E-04	1.07E-07	3.23E-07	1.87E-07	1.82E-07	1.65E-07	7.54E-08	7.44E-08	3.57E-09	8.62E-08	1.90E-08	2.47E-08	3.93E-08	6.92E-09	4.91E-09	1.85E-07	9.74E-08	4.13E-08	4.86E-08	1.91E-08	9.74E-08	4.13E-08
2539	497514.44	3858402	3.08E-04	3.00E-04	2.96E-04	1.07E-07	3.22E-07	1.86E-07	1.82E-07	1.65E-07	7.52E-08	7.42E-08	3.56E-09	8.60E-08	1.90E-08	2.47E-08	3.91E-08	6.90E-09	4.89E-09	1.84E-07	9.72E-08	4.12E-08	4.85E-08	1.91E-08	9.72E-08	4.12E-08
2540	497564.44	3858402	3.09E-04	3.02E-04	2.98E-04	1.07E-07	3.23E-07	1.87E-07	1.83E-07	1.66E-07	7.56E-08	7.46E-08	3.58E-09	8.64E-08	1.91E-08	2.48E-08	3.94E-08	6.94E-09	4.92E-09	1.85E-07	9.77E-08	4.14E-08	4.88E-08	1.92E-08	9.77E-08	4.14E-08
2541	497614.44	3858402	3.10E-04	3.03E-04	2.99E-04	1.07E-07	3.24E-07	1.88E-07	1.83E-07	1.66E-07	7.58E-08	7.48E-08	3.59E-09	8.66E-08	1.91E-08	2.49E-08	3.95E-08	6.96E-09	4.93E-09	1.86E-07	9.79E-08	4.16E-08	4.89E-08	1.92E-08	9.79E-08	4.16E-08
2542	493478.11	3860498	1.51E-03	1.47E-03	1.45E-03	5.22E-07	1.58E-06	9.13E-07	8.91E-07	8.08E-07	3.69E-07	3.64E-07	1.74E-08	4.21E-07	9.30E-08	1.21E-07	1.92E-07	3.38E-08	2.40E-08	9.03E-07	4.76E-07	2.02E-07	2.38E-07	9.34E-08	4.76E-07	2.02E-07
2543	493528.11	3860498	1.48E-03	1.45E-03	1.43E-03	5.13E-07	1.55E-06	8.96E-07	8.75E-07	7.93E-07	3.62E-07	3.57E-07	1.71E-08	4.14E-07	9.13E-08	1.19E-07	1.88E-07	3.32E-08	2.35E-08	8.86E-07	4.67E-07	1.98E-07	2.33E-07	9.17E-08	4.67E-07	1.98E-07
2544	493478.11	3860548	1.57E-03	1.53E-03	1.51E-03	5.44E-07	1.64E-06	9.51E-07	9.28E-07	8.41E-07	3.84E-07	3.79E-07	1.82E-08	4.39E-07	9.69E-08	1.26E-07	2.00E-07	3.52E-08	2.50E-08	9.40E-07	4.96E-07	2.11E-07	2.48E-07	9.73E-08	4.96E-07	2.11E-07
2545	493528.11	3860548	1.54E-03	1.51E-03	1.49E-03	5.35E-07	1.61E-06	9.34E-07	9.12E-07	8.26E-07	3.77E-07	3.72E-07	1.78E-08	4.31E-07	9.51E-08	1.24E-07	1.96E-07	3.46E-08	2.45E-08	9.23E-07	4.87E-07	2.07E-07	2.43E-07	9.56E-08	4.87E-07	2.07E-07
2546	493478.11	3860598	1.64E-03	1.60E-03	1.58E-03	5.67E-07	1.71E-06	9.92E-07	9.68E-07	8.77E-07	4.00E-07	3.95E-07	1.89E-08	4.58E-07	1.01E-07	1.31E-07	2.08E-07	3.67E-08	2.60E-08	9.80E-07	5.17E-07	2.19E-07	2.58E-07	1.01E-07	5.17E-07	2.19E-07
2547	493528.11	3860598	1.61E-03	1.57E-03	1.55E-03	5.57E-07	1.68E-06	9.73E-07	9.49E-07	8.60E-07	3.93E-07	3.87E-07	1.86E-08	4.49E-07	9.91E-08	1.29E-07	2.04E-07	3.60E-08	2.56E-08	9.61E-07	5.07E-07	2.15E-07	2.53E-07	9.95E-08	5.07E-07	2.15E-07
2548	493561.88	3860525	1.49E-03	1.46E-03	1.44E-03	5.17E-07	1.56E-06	9.04E-07	8.82E-07	7.99E-07	3.65E-07	3.60E-07	1.73E-08	4.17E-07	9.20E-08	1.20E-07	1.90E-07	3.35E-08	2.37E-08	8.93E-07	4.71E-07	2.00E-07	2.35E-07	9.24E-08	4.71E-07	2.00E-07
2549	493591.88	3860525	1.47E-03	1.44E-03	1.42E-03	5.10E-07	1.54E-06	8.91E-07	8.69E-07	7.88E-07	3.60E-07	3.55E-07	1.70E-08	4.11E-07	9.07E-08	1.18E-07	1.87E-07	3.30E-08	2.34E-08	8.81E-07	4.65E-07	1.97E-07	2.32E-07	9.11E-08	4.65E-07	1.97E-07
2550	493561.88	3860555	1.53E-03	1.49E-03	1.47E-03	5.30E-07	1.60E-06	9.27E-07	9.04E-07	8.20E-07	3.74E-07	3.69E-07	1.77E-08	4.28E-07	9.44E-08	1.23E-07	1.95E-07	3.43E-08	2.43E-08	9.16E-07	4.83E-07	2.05E-07	2.41E-07	9.48E-08	4.83E-07	2.05E-07
2551	493591.88	3860555	1.51E-03	1.47E-03	1.45E-03	5.22E-07	1.57E-06	9.12E-07	8.90E-07	8.07E-07	3.68E-07	3.63E-07	1.74E-08	4.21E-07	9.28E-08	1.21E-07	1.92E-07	3.38E-08	2.40E-08	9.01E-07	4.76E-07	2.02E-07	2.37E-07	9.33E-08	4.76E-07	2.02E-07
2552	492880.5	3860293	1.78E-03	1.73E-03	1.71E-03	6.15E-07	1.86E-06	1.08E-06	1.05E-06	9.52E-07	4.34E-07	4.28E-07	2.05E-08	4.96E-07	1.10E-07	1.43E-07	2.26E-07	3.98E-08	2.83E-08	1.06E-06	5.61E-07	2.38E-07	2.80E-07	1.10E-07	5.61E-07	2.38E-07
2553	492930.5	3860293	1.72E-03	1.67E-03	1.65E-03	5.94E-07	1.79E-06	1.04E-06	1.01E-06	9.19E-07	4.19E-07	4.14E-07	1.98E-08	4.79E-07	1.06E-07	1.38E-07	2.18E-07	3.85E-08	2.73E-08	1.03E-06	5.42E-07	2.30E-07	2.70E-07	1.06E-07	5.42E-07	2.30E-07
2554	492980.5	3860293	1.66E-03	1.62E-03	1.59E-03	5.73E-07	1.73E-06	1.00E-06	9.78E-07	8.86E-07	4.04E-07	3.99E-07	1.91E-08	4.62E-07	1.02E-07	1.33E-07	2.11E-07	3.71E-08	2.63E-08	9.90E-07	5.23E-07	2.22E-07	2.61E-07	1.02E-07	5.23E-07	2.22E-07
2555	493030.5	3860293	1.56E-03	1.52E-03	1.50E-03	5.39E-07	1.63E-06	9.42E-07	9.19E-07	8.33E-07	3.80E-07	3.75E-07	1.80E-08	4.35E-07	9.59E-08	1.25E-07	1.98E-07	3.49E-08	2.47E-08	9.31E-07	4.91E-07	2.08E-07	2.45E-07	9.63E-08	4.91E-07	2.08E-07
2556	493080.5	3860293	1.46E-03	1.43E-03	1.41E-03	5.06E-07	1.53E-06	8.84E-07	8.62E-07	7.82E-07	3.57E-07	3.52E-07	1.69E-08	4.08E-07	9.00E-08	1.17E-07	1.86E-07	3.27E-08	2.32E-08	8.73E-07	4.61E-07	1.96E-07	2.30E-07	9.04E-08	4.61E-07	1.96E-07
2557	493130.5	3860293	1.47E-03	1.43E-03	1.41E-03	5.08E-07	1.53E-06	8.88E-07	8.67E-07	7.86E-07	3.59E-07	3.54E-07	1.70E-08	4.10E-07	9.05E-08	1.18E-07	1.87E-07	3.29E-08	2.33E-08	8.78E-07	4.63E-07	1.97E-07	2.31E-07	9.09E-08	4.63E-07	1.97E-07
2558	493180.5	3860293	1.47E-03	1.43E-03	1.41E-03	5.07E-07	1.53E-06	8.87E-07	8.65E-07	7.84E-07	3.58E-07	3.53E-07	1.69E-08	4.09E-07	9.03E-08	1.17E-07	1.86E-07	3.28E-08	2.33E-08	8.76E-07	4.62E-07	1.96E-07	2.31E-07	9.07E-08	4.62E-07	1.96E-07
2559	493230.5	3860293	1.44E-03	1.40E-03	1.38E-03	4.98E-07	1.50E-06	8.70E-07	8.49E-07	7.70E-07	3.51E-07	3.47E-07	1.66E-08	4.02E-07	8.86E-08	1.15E-07	1.83E-07	3.22E-08	2.29E-08	8.60E-07	4.54E-07	1.93E-07	2.27E-07	8.90E-08	4.54E-07	1.93E-07
2560	493280.5	3860293	1.38E-03	1.35E-03	1.33E-03	4.79E-07	1.45E-06	8.38E-07	8.18E-07	7.41E-07	3.38E-07	3.34E-07	1.60E-08	3.87E-07	8.53E-08	1.11E-07	1.76E-07	3.10E-08	2.20E-08	8.28E-07	4.37E-07	1.85E-07	2.18E-07	8.57E-08	4.37E-07	1.85E-07
2561	493330.5	3860293	1.35E-03	1.31E-03	1.30E-03	4.66E-07	1.41E-06	8.15E-07	7.95E-07	7.21E-07	3.29E-07	3.25E-07	1.56E-08	3.76E-07	8.30E-08	1.08E-07	1.71E-07	3.02E-08	2.14E-08	8.05E-07	4.25E-07	1.80E-07	2.12E-07	8.33E-08	4.25E-07	1.80E-07
2562	493380.5	3860293	1.32E-03	1.28E-03	1.27E-03	4.55E-07	1.38E-06	7.96E-07	7.77E-07	7.04E-07	3.21E-07	3.17E-07	1.52E-08	3.67E-07	8.11E-08	1.05E-07	1.67E-07	2.95E-08	2.09E-08	7.87E-07	4.15E-07	1.76E-07	2.07E-07	8.14E-08	4.15E-07	1.76E-07
2563	492880.5	3860343	1.86E-03	1.82E-03	1.79E-03	6.44E-07	1.95E-06	1.13E-06	1.10E-06	9.96E-07	4.55E-07	4.48E-07	2.15E-08	5.20E-07	1.15E-07	1.49E-07	2.37E-07	4.17E-08	2.96E-08	1.11E-06	5.87E-07	2.49E-07	2.93E-07	1.15E-07	5.87E-07	2.49E-07
2564	492930.5	3860343	1.80E-03	1.76E-03	1.73E-03	6.23E-07	1.88E-06	1.09E-06	1.06E-06	9.63E-07	4.39E-07	4.34E-07	2.08E-08	5.02E-07	1.11E-07	1.44E-07	2.29E-07	4.03E-08	2.86E-08	1.08E-06	5.68E-07	2.41E-07	2.83E-07	1.11E-07	5.68E-07	2.41E-07
2565	492980.5	3860343	1.69E-03	1.65E-03	1.63E-03	5.86E-07	1.77E-06	1.02E-06	9.99E-07	9.05E-07	4.13E-07	4.08E-07	1.96E-08	4.72E-07	1.04E-07	1.36E-07	2.15E-07	3.79E-08	2.69E-08	1.01E-06	5.34E-07	2.27E-07	2.66E-07	1.05E-07	5.34E-07	2.27E-07
2566	493030.5	3860343	1.64E-03	1.60E-03	1.58E-03	5.67E-07	1.71E-06	9.91E-07	9.67E-07	8.77E-07	4.00E-07	3.95E-07	1.89E-08	4.57E-07	1.01E-07	1.31E-07	2.08E-07	3.67E-08	2.60E-08	9.80E-07	5.17E-07	2.19E-07	2.58E-07	1.01E-07	5.17E-07	2.19E-07
2567	493080.5	3860343	1.55E-03	1.51E-03	1.49E-03	5.35E-07	1.62E-06	9.35E-07	9.12E-07	8.27E-07	3.77E-07	3.72E-07	1.79E-08	4.32E-07	9.52E-08	1.24E-07	1.97E-07	3.46E-08	2.46E-08	9.24E-07	4.88E-07	2.07E-07	2.43E-07	9.56E-08	4.88E-07	2.07E-07
2568	493130.5	3860343	1.52E-03	1.49E-03	1.47E-03	5.27E-07	1.59E-06	9.21E-07	8.99E-07	8.15E-07	3.72E-07	3.67E-07	1.76E-08	4.25E-07	9.38E-08	1.22E-07	1.94E-07	3.41E-08	2.42E-08	9.11E-07	4.81E-07	2.04E-07	2.40E-07	9.42E-08	4.81E-07	2.04E-07
2569	493180.5	3860343	1.52E-03	1.48E-03	1.46E-03	5.26E-07	1.59E-06	9.20E-07	8.98E-07	8.14E-07	3.71E-07	3.66E-07	1.76E-08	4.25E-07	9.37E-08	1.22E-07	1.93E-07	3.41E-08	2.42E-08	9.09E-07	4.80E-07	2.04E-07	2.40E-07	9.41E-08	4.80E-07	2.04E-07
2570	493230.5	3860343	1.49E-03	1.46E-03	1.44E-03	5.17E-07	1.56E-06	9.03E-07	8.81E-07	7.99E-07	3.65E-07	3.60E-07	1.73E-08	4.17E-07	9.20E-08	1.20E-07	1.90E-07	3.35E-08	2.37E-08	8.93E-07	4.71E-07	2.00E-07	2.35E-07	9.24E-08	4.71E-07	2.00E-07
2571	493280.5	3860343	1.44E-03	1.40E-03	1.38E-03	4.97E-07	1.50E-06	8.70E-07	8.49E-07	7.69E-07	3.51E-07	3.46E-07	1.66E-08	4.01E-07	8.85E-08	1.15E-07	1.83E-07	3.22E-08	2.28E-08	8.59E-07	4.54E-07	1.92E-07	2.26E-07	8.89E-08	4.54E-07	1.92E-07
2572	493330.5	3860343	1.39E-03	1.36E-03	1.34E-03	4.82E-07	1.46E-06	8.43E-07	8.22E-07	7.45E-07	3.40E-07	3.36E-07	1.61E-08	3.89E-07	8.58E-08	1.12E-07	1.77E-07	3.12E-08	2.21E-08	8.33E-07	4.40E-07	1.87E-07	2.19E-07	8.62E-08	4.40E-07	1.87E-07
2573	493380.5	3860343	1.36E-03	1.33E-03	1.31E-03	4.71E-07	1.42E-06	8.24E-07	8.04E-07	7.29E-07	3.33E-07	3.28E-07	1.57E-08	3.80E-07	8.39E-08	1.09E-07	1.73E-07	3.05E-08	2.16E-08	8.14E-07	4.30E-07	1.82E-07	2.15E-07	8.43E-08	4.30E-07	1.82E-07
2574	492880.5	3860393	1.95E-03	1.90E-03	1.88E-03	6.76E-07	2.04E-06	1.18E-06	1.15E-06	1.04E-06	4.77E-07	4.70E-07	2.26E-08	5.45E-07	1.20E-07	1.56E-07	2.48E-07	4.37E-08	3.10E-08	1.17E-06	6.16E-07	2.61E-07	3.07E-07	1.21E-07	6.16E-07	2.61E-07
2575	492930.5	3860393	1.88E-03	1.83E-03	1.81E-03	6.50E-07	1.96E-06	1.14E-06	1.11E-06	1.01E-06	4.59E-07	4.52E-07	2.17E-08	5.24E-07	1.16E-07	1.51E-07	2.39E-07	4.21E-08	2.98E-08	1.12E-06	5.93E-07	2.51E-07	2.96E-07	1.16E-07	5.93E-07	2.51E-07
2576	492980.5	3860393	1.79E-03	1.75E-03	1.72E-03	6.20E-07	1.87E-06	1.08E-06	1.06E-06	9.58E-07	4.37E-07	4.31E-07	2.07E-08	5.00E-07	1.10E-07	1.44E-07	2.28E-07	4.01E-08	2.85E-08	1.07E-06	5.65E-07	2.40E-07	2.82E-07	1.11E-07	5.65E-07	2.40E-07
2577	493030.5	3860393	1.72E-03	1.68E-03	1.66E-03	5.95E-07	1.80E-06	1.04E-06	1.02E-06	9.20E-07	4.20E-07	4.14E-07	1.99E-08	4.80E-07	1.06E-07	1.38E-07	2.19E-07	3.85E-08	2.73E-08	1.03E-06	5.43E-07	2.30E-07	2.71E-07	1.06E-07	5.43E-07	2.30E-07
2578	493080.5	3860393	1.62E-03	1.58E-03	1.56E-03	5.61E-07	1.69E-06	9.81E-07	9.57E-07	8.68E-07	3.96E-07	3.91E-07	1.87E-08	4.53E-07	9.99E-08	1.30E-07	2.06E-07	3.63E-08	2.58E-08	9.69E-07	5.12E-07	2.17E-07	2.55E-07	1.00E-07	5.12E-07	2.17E-07
2579	493130.5	3860393	1.60E-03	1.56E-03	1.54E-03	5.55E-07	1.68E-06	9.70E-07	9.46E-07	8.58E-07	3.91E-07	3.86E-07	1.85E-08	4.47E-07	9.87E-08	1.28E-07	2.04E-07	3.59E-08	2.55E-08	9.58E-07	5.06E-07	2.15E-07	2.52E-07	9.92E-08	5.06E-07	2.15E-07
2580	493180.5	3860393	1.60E-03	1.56E-03	1.54E-03	5.52E-07	1.67E-06	9.66E-07	9.42E-07	8.54E-07	3.90E-07	3.85E-07	1.84E-08	4.46E-07	9.83E-08	1.28E-07	2.03E-07	3.58E-08	2.54E-08	9.54E-07	5.04E-07	2.14E-07	2.51E-07	9.88E-08	5.04E-07	2.14E-07
2581	493230.5	3860393	1.55E-03	1.52E-03	1.50E-03	5.38E-07	1.62E-06	9.41E-07	9.18E-07	8.32E-07	3.80E-07	3.75E-07	1.80E-08	4.34E-07	9.58E-08	1.25E-07	1.98E-07	3.48E-08	2.47E-08	9.30E-07	4.91E-07	2.08E-07	2.45E-07	9.62E-08	4.91E-07	2.08E-07
2582	493280.5	3860393	1.49E-03	1.46E-03	1.44E-03	5.17E-07	1.56E-06	9.03E-07	8.82E-07	7.99E-07	3.65E-07	3.60E-07	1.73E-08	4.17E-07	9.20E-08	1.20E-07	1.90E-07	3.35E-08	2.37E-08	8.93E-07	4.71E-07	2.00E-07	2.35E-07	9.24E-08	4.71E-07	2.00E-07
2583	493330.5	3860393	1.45E-03	1.41E-03	1.39E-03	5.00E-07	1.51E-06	8.75E-07	8.53E-07	7.74E-07	3.53E-07	3.48E-07	1.67E-08	4.04E-07	8.91E-08	1.16E-07	1.84E-07	3.24E-08	2.30E-08	8.64E-07	4.56E-07	1.94E-07	2.28E-07	8.95E-08	4.56E-07	1.94E-07

2584	493380.5	3860393	1.41E-03	1.38E-03	1.36E-03	4.88E-07	1.47E-06	8.53E-07	8.33E-07	7.55E-07	3.44E-07	3.40E-07	1.63E-08	3.94E-07	8.69E-08	1.13E-07	1.79E-07	3.16E-08	2.24E-08	8.43E-07	4.45E-07	1.89E-07	2.22E-07	8.73E-08	4.45E-07	1.89E-07
2585	492880.5	3860443	2.04E-03	1.99E-03	1.97E-03	7.07E-07	2.13E-06	1.24E-06	1.21E-06	1.09E-06	4.99E-07	4.92E-07	2.36E-08	5.70E-07	1.26E-07	1.64E-07	2.60E-07	4.58E-08	3.25E-08	1.22E-06	6.45E-07	2.74E-07	3.22E-07	1.26E-07	6.45E-07	2.74E-07
2586	492930.5	3860443	1.98E-03	1.93E-03	1.90E-03	6.84E-07	2.07E-06	1.20E-06	1.17E-06	1.06E-06	4.83E-07	4.76E-07	2.28E-08	5.52E-07	1.22E-07	1.58E-07	2.51E-07	4.43E-08	3.14E-08	1.18E-06	6.24E-07	2.65E-07	3.11E-07	1.22E-07	6.24E-07	2.65E-07
2587	492980.5	3860443	1.89E-03	1.85E-03	1.82E-03	6.56E-07	1.98E-06	1.15E-06	1.12E-06	1.01E-06	4.63E-07	4.56E-07	2.19E-08	5.29E-07	1.17E-07	1.52E-07	2.41E-07	4.24E-08	3.01E-08	1.13E-06	5.98E-07	2.54E-07	2.98E-07	1.17E-07	5.98E-07	2.54E-07
2588	493030.5	3860443	1.82E-03	1.77E-03	1.75E-03	6.29E-07	1.90E-06	1.10E-06	1.07E-06	9.72E-07	4.44E-07	4.38E-07	2.10E-08	5.07E-07	1.12E-07	1.46E-07	2.31E-07	4.07E-08	2.89E-08	1.09E-06	5.73E-07	2.43E-07	2.86E-07	1.12E-07	5.73E-07	2.43E-07
2589	493080.5	3860443	1.76E-03	1.71E-03	1.69E-03	6.08E-07	1.84E-06	1.06E-06	1.04E-06	9.40E-07	4.29E-07	4.23E-07	2.03E-08	4.90E-07	1.08E-07	1.41E-07	2.23E-07	3.94E-08	2.79E-08	1.05E-06	5.54E-07	2.35E-07	2.77E-07	1.09E-07	5.54E-07	2.35E-07
2590	493130.5	3860443	1.70E-03	1.66E-03	1.64E-03	5.89E-07	1.78E-06	1.03E-06	1.00E-06	9.11E-07	4.16E-07	4.10E-07	1.97E-08	4.75E-07	1.05E-07	1.36E-07	2.16E-07	3.81E-08	2.70E-08	1.02E-06	5.37E-07	2.28E-07	2.68E-07	1.05E-07	5.37E-07	2.28E-07
2591	493180.5	3860443	1.68E-03	1.64E-03	1.62E-03	5.83E-07	1.76E-06	1.02E-06	9.94E-07	9.01E-07	4.11E-07	4.06E-07	1.95E-08	4.70E-07	1.04E-07	1.35E-07	2.14E-07	3.77E-08	2.68E-08	1.01E-06	5.31E-07	2.25E-07	2.65E-07	1.04E-07	5.31E-07	2.25E-07
2592	493230.5	3860443	1.61E-03	1.58E-03	1.55E-03	5.59E-07	1.69E-06	9.77E-07	9.53E-07	8.64E-07	3.94E-07	3.89E-07	1.87E-08	4.51E-07	9.95E-08	1.29E-07	2.05E-07	3.62E-08	2.57E-08	9.65E-07	5.09E-07	2.16E-07	2.54E-07	9.99E-08	5.09E-07	2.16E-07
2593	493280.5	3860443	1.56E-03	1.52E-03	1.50E-03	5.41E-07	1.63E-06	9.45E-07	9.22E-07	8.36E-07	3.81E-07	3.76E-07	1.81E-08	4.36E-07	9.62E-08	1.25E-07	1.99E-07	3.50E-08	2.48E-08	9.34E-07	4.93E-07	2.09E-07	2.46E-07	9.66E-08	4.93E-07	2.09E-07
2594	493330.5	3860443	1.50E-03	1.46E-03	1.44E-03	5.19E-07	1.57E-06	9.08E-07	8.86E-07	8.03E-07	3.66E-07	3.62E-07	1.73E-08	4.19E-07	9.25E-08	1.20E-07	1.91E-07	3.36E-08	2.39E-08	8.97E-07	4.74E-07	2.01E-07	2.36E-07	9.29E-08	4.74E-07	2.01E-07
2595	493380.5	3860443	1.47E-03	1.44E-03	1.42E-03	5.10E-07	1.54E-06	8.91E-07	8.70E-07	7.88E-07	3.60E-07	3.55E-07	1.70E-08	4.11E-07	9.07E-08	1.18E-07	1.87E-07	3.30E-08	2.34E-08	8.81E-07	4.65E-07	1.97E-07	2.32E-07	9.12E-08	4.65E-07	1.97E-07
2596	493180.5	3860493	1.75E-03	1.71E-03	1.69E-03	6.06E-07	1.83E-06	1.06E-06	1.03E-06	9.37E-07	4.27E-07	4.22E-07	2.02E-08	4.89E-07	1.08E-07	1.40E-07	2.23E-07	3.92E-08	2.78E-08	1.05E-06	5.52E-07	2.34E-07	2.76E-07	1.08E-07	5.52E-07	2.34E-07
2597	493230.5	3860493	1.69E-03	1.65E-03	1.63E-03	5.85E-07	1.77E-06	1.02E-06	9.97E-07	9.04E-07	4.13E-07	4.07E-07	1.95E-08	4.72E-07	1.04E-07	1.35E-07	2.15E-07	3.79E-08	2.69E-08	1.01E-06	5.33E-07	2.26E-07	2.66E-07	1.05E-07	5.33E-07	2.26E-07
2598	493280.5	3860493	1.63E-03	1.59E-03	1.57E-03	5.64E-07	1.70E-06	9.86E-07	9.62E-07	8.72E-07	3.98E-07	3.93E-07	1.88E-08	4.55E-07	1.00E-07	1.31E-07	2.07E-07	3.65E-08	2.59E-08	9.75E-07	5.14E-07	2.18E-07	2.57E-07	1.01E-07	5.14E-07	2.18E-07
2599	493330.5	3860493	1.58E-03	1.54E-03	1.52E-03	5.47E-07	1.65E-06	9.56E-07	9.33E-07	8.46E-07	3.86E-07	3.81E-07	1.83E-08	4.41E-07	9.74E-08	1.27E-07	2.01E-07	3.54E-08	2.51E-08	9.45E-07	4.99E-07	2.12E-07	2.49E-07	9.78E-08	4.99E-07	2.12E-07
2600	493380.5	3860493	1.55E-03	1.51E-03	1.49E-03	5.36E-07	1.62E-06	9.38E-07	9.15E-07	8.29E-07	3.78E-07	3.73E-07	1.79E-08	4.33E-07	9.55E-08	1.24E-07	1.97E-07	3.47E-08	2.46E-08	9.27E-07	4.89E-07	2.08E-07	2.44E-07	9.59E-08	4.89E-07	2.08E-07
2601	493330.5	3860543	1.65E-03	1.61E-03	1.59E-03	5.72E-07	1.73E-06	1.00E-06	9.76E-07	8.84E-07	4.04E-07	3.98E-07	1.91E-08	4.61E-07	1.02E-07	1.32E-07	2.10E-07	3.70E-08	2.63E-08	9.88E-07	5.22E-07	2.21E-07	2.60E-07	1.02E-07	5.22E-07	2.21E-07
2602	493380.5	3860543	1.62E-03	1.58E-03	1.56E-03	5.61E-07	1.69E-06	9.80E-07	9.57E-07	8.67E-07	3.96E-07	3.90E-07	1.87E-08	4.52E-07	9.98E-08	1.30E-07	2.06E-07	3.63E-08	2.58E-08	9.69E-07	5.11E-07	2.17E-07	2.55E-07	1.00E-07	5.11E-07	2.17E-07
2603	494135.94	3860877	1.67E-03	1.63E-03	1.61E-03	5.77E-07	1.74E-06	1.01E-06	9.85E-07	8.93E-07	4.07E-07	4.02E-07	1.93E-08	4.66E-07	1.03E-07	1.34E-07	2.12E-07	3.74E-08	2.65E-08	9.98E-07	5.27E-07	2.23E-07	2.63E-07	1.03E-07	5.27E-07	2.23E-07
2604	494185.94	3860877	1.64E-03	1.60E-03	1.58E-03	5.68E-07	1.72E-06	9.93E-07	9.69E-07	8.78E-07	4.01E-07	3.96E-07	1.90E-08	4.58E-07	1.01E-07	1.32E-07	2.09E-07	3.68E-08	2.61E-08	9.82E-07	5.18E-07	2.20E-07	2.59E-07	1.02E-07	5.18E-07	2.20E-07
2605	494135.94	3860927	1.78E-03	1.74E-03	1.71E-03	6.16E-07	1.86E-06	1.08E-06	1.05E-06	9.53E-07	4.35E-07	4.29E-07	2.06E-08	4.97E-07	1.10E-07	1.43E-07	2.26E-07	3.99E-08	2.83E-08	1.06E-06	5.62E-07	2.38E-07	2.80E-07	1.10E-07	5.62E-07	2.38E-07
2606	494185.94	3860927	1.75E-03	1.71E-03	1.68E-03	6.05E-07	1.83E-06	1.06E-06	1.03E-06	9.36E-07	4.27E-07	4.21E-07	2.02E-08	4.88E-07	1.08E-07	1.40E-07	2.22E-07	3.92E-08	2.78E-08	1.05E-06	5.52E-07	2.34E-07	2.75E-07	1.08E-07	5.52E-07	2.34E-07
2607	494135.94	3860977	1.91E-03	1.86E-03	1.84E-03	6.61E-07	2.00E-06	1.16E-06	1.13E-06	1.02E-06	4.66E-07	4.60E-07	2.21E-08	5.33E-07	1.18E-07	1.53E-07	2.43E-07	4.28E-08	3.04E-08	1.14E-06	6.03E-07	2.56E-07	3.01E-07	1.18E-07	6.03E-07	2.56E-07
2608	494185.94	3860977	1.87E-03	1.83E-03	1.80E-03	6.48E-07	1.96E-06	1.13E-06	1.11E-06	1.00E-06	4.57E-07	4.51E-07	2.17E-08	5.23E-07	1.15E-07	1.50E-07	2.38E-07	4.20E-08	2.98E-08	1.12E-06	5.91E-07	2.51E-07	2.95E-07	1.16E-07	5.91E-07	2.51E-07
2609	494135.94	3861027	2.07E-03	2.02E-03	1.99E-03	7.15E-07	2.16E-06	1.25E-06	1.22E-06	1.11E-06	5.05E-07	4.98E-07	2.39E-08	5.77E-07	1.27E-07	1.66E-07	2.63E-07	4.63E-08	3.28E-08	1.24E-06	6.52E-07	2.77E-07	3.25E-07	1.28E-07	6.52E-07	2.77E-07
2610	494185.94	3861027	2.02E-03	1.97E-03	1.95E-03	7.00E-07	2.11E-06	1.22E-06	1.19E-06	1.08E-06	4.94E-07	4.88E-07	2.34E-08	5.65E-07	1.25E-07	1.62E-07	2.57E-07	4.53E-08	3.22E-08	1.21E-06	6.39E-07	2.71E-07	3.19E-07	1.25E-07	6.39E-07	2.71E-07
2611	494135.94	3861077	2.26E-03	2.20E-03	2.17E-03	7.81E-07	2.36E-06	1.36E-06	1.33E-06	1.21E-06	5.51E-07	5.43E-07	2.61E-08	6.30E-07	1.39E-07	1.81E-07	2.87E-07	5.05E-08	3.58E-08	1.35E-06	7.12E-07	3.02E-07	3.55E-07	1.40E-07	7.12E-07	3.02E-07
2612	494185.94	3861077	2.21E-03	2.15E-03	2.12E-03	7.63E-07	2.31E-06	1.33E-06	1.30E-06	1.18E-06	5.39E-07	5.31E-07	2.55E-08	6.16E-07	1.36E-07	1.77E-07	2.80E-07	4.94E-08	3.51E-08	1.32E-06	6.96E-07	2.95E-07	3.47E-07	1.36E-07	6.96E-07	2.95E-07
2613	490360.04	3858710	1.55E-03	1.51E-03	1.49E-03	5.36E-07	1.62E-06	9.37E-07	9.14E-07	8.29E-07	3.78E-07	3.73E-07	1.79E-08	4.32E-07	9.54E-08	1.24E-07	1.97E-07	3.47E-08	2.46E-08	9.26E-07	4.89E-07	2.07E-07	2.44E-07	9.58E-08	4.89E-07	2.07E-07
2614	490410.04	3858710	1.51E-03	1.47E-03	1.45E-03	5.21E-07	1.57E-06	9.11E-07	8.89E-07	8.06E-07	3.68E-07	3.63E-07	1.74E-08	4.20E-07	9.27E-08	1.21E-07	1.91E-07	3.37E-08	2.39E-08	9.00E-07	4.75E-07	2.02E-07	2.37E-07	9.32E-08	4.75E-07	2.02E-07
2615	490460.04	3858710	1.46E-03	1.42E-03	1.40E-03	5.04E-07	1.52E-06	8.81E-07	8.59E-07	7.79E-07	3.55E-07	3.51E-07	1.68E-08	4.06E-07	8.97E-08	1.17E-07	1.85E-07	3.26E-08	2.31E-08	8.70E-07	4.59E-07	1.95E-07	2.29E-07	9.01E-08	4.59E-07	1.95E-07
2616	490510.04	3858710	1.42E-03	1.38E-03	1.36E-03	4.90E-07	1.48E-06	8.57E-07	8.36E-07	7.58E-07	3.46E-07	3.41E-07	1.64E-08	3.95E-07	8.72E-08	1.14E-07	1.80E-07	3.17E-08	2.25E-08	8.47E-07	4.47E-07	1.90E-07	2.23E-07	8.76E-08	4.47E-07	1.90E-07
2617	490560.04	3858710	1.38E-03	1.35E-03	1.33E-03	4.78E-07	1.44E-06	8.36E-07	8.15E-07	7.39E-07	3.37E-07	3.33E-07	1.60E-08	3.86E-07	8.51E-08	1.11E-07	1.76E-07	3.10E-08	2.20E-08	8.26E-07	4.36E-07	1.85E-07	2.18E-07	8.55E-08	4.36E-07	1.85E-07
2618	490610.04	3858710	1.35E-03	1.31E-03	1.30E-03	4.66E-07	1.41E-06	8.15E-07	7.95E-07	7.21E-07	3.29E-07	3.24E-07	1.56E-08	3.76E-07	8.29E-08	1.08E-07	1.71E-07	3.02E-08	2.14E-08	8.05E-07	4.25E-07	1.80E-07	2.12E-07	8.33E-08	4.25E-07	1.80E-07
2619	490660.04	3858710	1.32E-03	1.29E-03	1.27E-03	4.57E-07	1.38E-06	7.99E-07	7.80E-07	7.07E-07	3.23E-07	3.18E-07	1.53E-08	3.69E-07	8.14E-08	1.06E-07	1.68E-07	2.96E-08	2.10E-08	7.90E-07	4.17E-07	1.77E-07	2.08E-07	8.17E-08	4.17E-07	1.77E-07
2620	490710.04	3858710	1.28E-03	1.25E-03	1.24E-03	4.44E-07	1.34E-06	7.77E-07	7.58E-07	6.87E-07	3.14E-07	3.09E-07	1.48E-08	3.59E-07	7.91E-08	1.03E-07	1.63E-07	2.88E-08	2.04E-08	7.68E-07	4.05E-07	1.72E-07	2.02E-07	7.95E-08	4.05E-07	1.72E-07
2621	490760.04	3858710	1.25E-03	1.22E-03	1.21E-03	4.33E-07	1.31E-06	7.57E-07	7.39E-07	6.70E-07	3.06E-07	3.02E-07	1.45E-08	3.49E-07	7.71E-08	1.00E-07	1.59E-07	2.81E-08	1.99E-08	7.49E-07	3.95E-07	1.68E-07	1.97E-07	7.75E-08	3.95E-07	1.68E-07
2622	490810.04	3858710	1.22E-03	1.19E-03	1.18E-03	4.23E-07	1.28E-06	7.39E-07	7.21E-07	6.54E-07	2.98E-07	2.94E-07	1.41E-08	3.41E-07	7.53E-08	9.79E-08	1.55E-07	2.74E-08	1.94E-08	7.30E-07	3.85E-07	1.64E-07	1.92E-07	7.56E-08	3.85E-07	1.64E-07
2623	490860.04	3858710	1.19E-03	1.16E-03	1.14E-03	4.11E-07	1.24E-06	7.18E-07	7.01E-07	6.35E-07	2.90E-07	2.86E-07	1.37E-08	3.31E-07	7.31E-08	9.52E-08	1.51E-07	2.66E-08	1.89E-08	7.10E-07	3.75E-07	1.59E-07	1.87E-07	7.35E-08	3.75E-07	1.59E-07
2624	490360.04	3858760	1.61E-03	1.57E-03	1.55E-03	5.58E-07	1.69E-06	9.76E-07	9.52E-07	8.63E-07	3.94E-07	3.89E-07	1.86E-08	4.50E-07	9.94E-08	1.29E-07	2.05E-07	3.62E-08	2.56E-08	9.65E-07	5.09E-07	2.16E-07	2.54E-07	9.98E-08	5.09E-07	2.16E-07
2625	490410.04	3858760	1.56E-03	1.53E-03	1.51E-03	5.41E-07	1.63E-06	9.46E-07	9.23E-07	8.37E-07	3.82E-07	3.77E-07	1.81E-08	4.37E-07	9.64E-08	1.25E-07	1.99E-07	3.51E-08	2.49E-08	9.35E-07	4.94E-07	2.09E-07	2.46E-07	9.68E-08	4.94E-07	2.09E-07
2626	490460.04	3858760	1.51E-03	1.48E-03	1.46E-03	5.24E-07	1.58E-06	9.16E-07	8.94E-07	8.10E-07	3.70E-07	3.65E-07	1.75E-08	4.23E-07	9.33E-08	1.21E-07	1.93E-07	3.39E-08	2.41E-08	9.06E-07	4.78E-07	2.03E-07	2.39E-07	9.37E-08	4.78E-07	2.03E-07
2627	490510.04	3858760	1.46E-03	1.43E-03	1.41E-03	5.07E-07	1.53E-06	8.86E-07	8.65E-07	7.84E-07	3.58E-07	3.53E-07	1.69E-08	4.09E-07	9.03E-08	1.17E-07	1.86E-07	3.28E-08	2.33E-08	8.76E-07	4.62E-07	1.96E-07	2.31E-07	9.07E-08	4.62E-07	1.96E-07
2628	490560.04	3858760	1.42E-03	1.39E-03	1.37E-03	4.93E-07	1.49E-06	8.62E-07	8.41E-07	7.62E-07	3.48E-07	3.43E-07	1.65E-08	3.98E-07	8.78E-08	1.14E-07	1.81E-07	3.19E-08	2.26E-08	8.52E-07	4.50E-07	1.91E-07	2.24E-07	8.81E-08	4.50E-07	1.91E-07
2629	490610.04	3858760	1.38E-03	1.35E-03	1.33E-03	4.79E-07	1.45E-06	8.37E-07	8.17E-07	7.40E-07	3.38E-07	3.33E-07	1.60E-08	3.86E-07	8.52E-08	1.11E-07	1.76E-07	3.10E-08	2.20E-08	8.27E-07	4.37E-07	1.85E-07	2.18E-07	8.56E-08	4.37E-07	1.85E-07
2630	490660.04	3858760	1.35E-03	1.31E-03	1.30E-03	4.66E-07	1.41E-06	8.15E-07	7.95E-07	7.21E-07	3.29E-07	3.24E-07	1.56E-08	3.76E-07	8.29E-08	1.08E-07	1.71E-07	3.02E-08	2.14E-08	8.05E-07	4.25E-07	1.80E-07	2.12E-07	8.33E-08	4.25E-07	1.80E-07
2631	490710.04	3858760	1.31E-03	1.28E-03	1.26E-03	4.54E-07	1.37E-06	7.93E-07	7.74E-07	7.02E-07	3.20E-07	3.16E-07	1.52E-08	3.66E-07	8.08E-08	1.05E-07	1.67E-07	2.94E-08	2.08E-08	7.84E-07	4.14E-07	1.76E-07	2.07E-07	8.11E-08	4.14E-07	1.76E-07
2632	490760.04	3858760	1.27E-03	1.24E-03	1.23E-03	4.41E-07	1.33E-06	7.70E-07	7.52E-07	6.81E-07	3.11E-07	3.07E-07	1.47E-08	3.56E-07	7.84E-08	1.02E-07	1.62E-07	2.85E-08	2.02E-08	7.61E-07	4.02E-07	1.71E-07	2.01E-07	7.88E-08	4.02E-07	1.71E-07
2633	490810.04	3858760	1.24E-03	1.21E-03	1.19E-03	4.29E-07	1.29E-06	7.50E-07	7.31E-07	6.63E-07	3.03E-07	2.99E-07	1.43E-08	3.46E-07	7.63E-08	9.93E-08	1.58E-07	2.78E-08	1.97E-08	7.41E-07	3.91E-07	1.66E-07	1.95E-07	7.67E-08	3.91E-07	1.66E-07
2634	490860.04	3858760	1.21E-03	1.18E-03	1.16E-03	4.18E-07	1.26E-06	7.32E-07	7.14E-07	6.47E-07	2.95E-07	2.91E-07	1.40E-08	3.38E-07	7.45E-08	9.69E-08	1.54E-07	2.71E-08	1.92E-08	7.23E-07	3.82E-07	1.62E-07	1.90E-07	7.48E-08	3.82E-07	1.62E-07
2635	490360.04	3858810	1.68E-03	1.64E-03	1.62E-03	5.81E-07	1.75E-06	1.02E-06	9.91E-07	8.98E-07	4.10E-07	4.04E-07	1.94E-08	4.69E-07	1.03E-07	1.35E-07	2.13E-07	3.76E-08	2.67E-08	1.00E-06	5.30E-07	2.25E-07	2.64E-07	1.04E-07	5.30E-07	2.25E-07
2636	490410.04	3858810	1.62E-03	1.58E-03	1.56E-03	5.62E-07	1.70E-06	9.82E-07	9.58E-07	8.68E-07	3.96E-07	3.91E-07	1.88E-08	4.53E-07	1.00E-07	1.30E-07	2.06E-07	3.64E-08	2.58E-08	9.70E-07	5.12E-07	2.17E-07	2.56E-07	1.00E-07	5.12E-07	2.17E-07
2637	490460.04	3858810	1.57E-03	1.53E-03	1.51E-03	5.43E-07	1.64E-06	9.49E-07	9.26E-07	8.40E-07	3.83E-07	3.78E-07	1.81E-08	4.38E-07	9.66E-08	1.26E-07	1.99E-07	3.52E-08	2.49E-08	9.38E-07	4.95E-07	2.10E-07	2.47E-07	9.71E-08	4.95E-07	2.10E-07
2638	490510.04	3858810	1.52E-03	1.49E-03	1.47E-03	5.27E-07	1.59E-06	9.22E-07	8.99E-07	8.15E-07	3.72E-07	3.67E-07	1.76E-08	4.25E-07	9.39E-08	1.22E-07	1.94E-07	3.41E-08	2.42E-08	9.11E-07	4.81E-07	2.04E-07	2.40E-07	9.43E-08	4.81E-07	2.04E-07
2639	490560.04	3858810	1.48E-03	1.44E-03	1.42E-03	5.12E-07	1.55E-06	8.95E-07	8.73E-07	7.91E-07	3.61E-07	3.56E-07	1.71E-08	4.13E-07	9.11E-08	1.19E-07	1.88E-07	3.31E-08	2.35E-08	8.84E-07	4.67E-07	1.98E-07	2.33E-07	9.15E-08	4.67E-07	1.98E-07
2640	490610.04	3858810	1.43E-03	1.39E-03	1.38E-03	4.94E-07	1.49E-06	8.64E-07	8.43E-07	7.65E-07	3.49E-07	3.44E-07	1.65E-08	3.99E-07	8.80E-08	1.15E-07	1.82E-07	3.20E-08	2.27E-08	8.54E-07	4.51E-07	1.91E-07	2.25E-07	8.84E-08	4.51E-07	1.91E-07
2641	490660.04	3858810	1.39E-03	1.35E-03	1.33E-03	4.80E-07	1.45E-06	8.39E-07	8.18E-07	7.42E-07	3.39E-07	3.34E-07	1.60E-08	3.87E-07	8.54E-08	1.11E-07	1.76E-07	3.11E-08	2.20E-08	8.29E-07	4.37E-07	1.86E-07	2.18E-07	8.58E-08	4.37E-07	1.86E-07
2642	490710.04	3858810	1.34E-03	1.31E-03	1.29E-03	4.65E-07	1.40E-06	8.13E-07	7.93E-07	7.19E-07	3.28E-07	3.24E-07	1.55E-08	3.75E-07	8.28E-08	1.08E-07	1.71E-07	3.01E-08	2.14E-08	8.04E-07	4.24E-07	1.80E-07	2.12E-07	8.32E-08	4.24E-07	1.80E-07
2643	490760.04	3858810	1.30E-03	1.27E-03	1.25E-03	4.49E-07	1.36E-06	7.84E-07	7.65E-07	6.94E-07	3.17E-07	3.12E-07	1.50E-08	3.62E-07	7.99E-08	1.04E-07	1.65E-07	2.91E-08	2.06E-08	7.75E-07	4.09E-07	1.74E-07	2.04E-07	8.02E-08	4.09E-07	1.74E-07
2644	490810.04	3858810	1.27E-03	1.24E-03	1.22E-03	4.39E-07	1.33E-06	7.68E-07	7.49E-07	6.79E-07	3.10E-07	3.06E-07	1.47E-08	3.54E-07	7.82E-08	1.02E-07	1.61E-07	2.84E-08	2.02E-08	7.59E-07	4.01E-07	1.70E-07	2.00E-07	7.85E-08	4.01E-07	1.70E-07
2645	490860.04	3858810	1.23E-03	1.20E-03	1.19E-03	4.26E-07	1.29E-06	7.45E-07	7.27E-07	6.59E-07	3.01E-07	2.97E-07	1.42E-08	3.44E-07	7.59E-08	9.87E-08	1.57E-07	2.76E-08	1.96E-08	7.37E-07	3.89E-07	1.65E-07	1.94E-07	7.62E-08	3.89E-07	1.65E-07
2646	490360.04	3858860	1.74E-03	1.70E-03	1.68E-03	6.03E-07	1.82E-06	1.05E-06	1.03E-06	9.32E-07	4.25E-07	4.20E-07	2.01E-08	4.86E-07	1.07E-07	1.40E-07	2.21E-07	3.90E-08	2.77E-08	1.04E-06	5.50E-07	2.33E-07	2.74E-07	1.08E-07	5.50E-07	2.33E-07
2647	490410.04	3858860	1.69E-03	1.65E-03	1.63E-03	5.86E-07	1.77E-06	1.02E-06	1.00E-06	9.06E-07	4.13E-07	4.08E-07	1.96E-08	4.73E-07	1.04E-07	1.36E-07	2.15E-07	3.79E-08	2.69E-08	1.01E-06	5.34E-07	2.27E-07	2.67E-07	1.05E-07	5.34E-07	2.27E-07
2648	490460.04	3858860	1.63E-03	1.59E-03	1.57E-03	5.64E-07	1.70E-06	9.87E-07	9.63E-07	8.73E-07	3.98E-07	3.93E-07	1.88E-08	4.55E-07	1.00E-07	1.31E-07	2.07E-07	3.65E-08	2.59E-08	9.75E-07	5.15E-07	2.18E-07	2.57E-07	1.01E-07	5.15E-07	2.18E-07
2649	490510.04	3858860	1.59E-03	1.55E-03	1.53E-03	5.50E-07	1.66E-06	9.61E-07	9.38E-07	8.50E-07	3.88E-07	3.83E-07	1.84E-08	4.43E-07	9.79E-08	1.27E-07	2.02E-07	3.56E-08	2.52E-08	9.50E-07	5.01E-07	2.13E-07	2.50E-07	9.83E-08	5.01E-07	2.13E-07
2650	490560.04	3858860	1.53E-03	1.50E-03	1.48E-03	5.31E-07	1.60E-06	9.28E-07	9.06E-07	8.21E-07	3.75E-07	3.70E-07	1.77E-08	4.28E-07	9.45E-08	1.23E-07	1.95E-07	3.44E-08	2.44E-08	9.18E-07	4.84E-07	2.05E-07	2.42E-07	9.50E-08	4.84E-07	2.05E-07
2651	490610.04	3858860	1.47E-03	1.44E-03	1.42E-03	5.10E-07	1.54E-06	8.91E-07	8.69E-07	7.88E-07	3.60E-07	3.55E-07	1.70E-08	4.11E-07	9.07E-08	1.18E-07	1.87E-07	3.30E-08	2.34E-08	8.81E-07	4.65E-07	1.97E-07	2.32E-07	9.11E-08	4.65E-07	1.97E-07
2652	490660.04	3858860	1.43E-03	1.39E-03	1.37E-03	4.94E-07	1.49E-06	8.64E-07	8.43E-07	7.64E-07	3.49E-07	3.44E-07	1.65E-08	3.99E-07	8.80E-08	1.14E-07	1.82E-07	3.20E-08	2.27E-08	8.54E-07	4.51E-07	1.91E-07	2.25E-07	8.84E-08	4.51E-07	1.91E-07
2653	490710.04	3858860	1.39E-03	1.36E-03	1.34E-03	4.81E-07	1.45E-06	8.41E-07	8.21E-07	7.44E-07	3.40E-07	3.35E-07	1.61E-08	3.88E-07	8.57E-08	1.11E-07	1.77E-07	3.12E-08	2.21E-08	8.31E-07	4.39E-07	1.86E-07	2.19E-07	8.60E-08	4.39E-07	1.86E-07
2654	490760.04	3858860	1.34E-03	1.31E-03	1.29E-03	4.64E-07	1.40E-06	8.11E-07	7.91E-07	7.17E-07	3.27E-07	3.23E-07	1.55E-08	3.74E-07	8.26E-08	1.07E-07	1.70E-07	3.00E-08	2.13E-08	8.02E-07	4.23E-07	1.80E-07	2.11E-07	8.30E-08	4.23E-07	1.80E-07
2655	490810.04	3858860	1.30E-03	1.26E-03	1.25E-03	4.49E-07	1.35E-06	7.84E-07	7.65E-07	6.93E-07	3.16E-07	3.12E-07	1.50E-08	3.62E-07	7.98E-08	1.04E-07	1.65E-07	2.90E-08	2.06E-08	7.75E-07	4.09E-07	1.74E-07	2.04E-07	8.02E-08	4.09E-07	1.74E-07
2656	490860.04	3858860	1.25E-03	1.22E-03	1.21E-03	4.33E-07	1.31E-06	7.58E-07	7.39E-07	6.70E-07	3.06E-07	3.02E-07	1.45E-08	3.50E-07	7.71E-08	1.00E-07	1.59E-07	2.81E-08	1.99E-08	7.49E-07	3.95E-07	1.68E-07	1.97E-07	7.75E-08	3.95E-07	1.68E-07
2657	490360.04	3858910	1.84E-03	1.80E-03	1.77E-03	6.37E-07	1.92E-06	1.11E-06	1.09E-06	9.85E-07	4.49E-07	4.43E-07	2.13E-08	5.14E-07	1.13E-07	1.48E-07	2.34E-07	4.12E-08	2.92E-08	1.10E-06	5.81E-07	2.46E-07	2.90E-07	1.14E-07	5.81E-07	2.46E-07

2658	490410.04	3858910	1.78E-03	1.73E-03	1.71E-03	6.15E-07	1.86E-06	1.07E-06	1.05E-06	9.50E-07	4.34E-07	4.28E-07	2.05E-08	4.96E-07	1.09E-07	1.42E-07	2.26E-07	3.98E-08	2.82E-08	1.06E-06	5.60E-07	2.38E-07	2.80E-07	1.10E-07	5.60E-07	2.38E-07
2659	490460.04	3858910	1.71E-03	1.67E-03	1.65E-03	5.93E-07	1.79E-06	1.04E-06	1.01E-06	9.17E-07	4.18E-07	4.13E-07	1.98E-08	4.78E-07	1.06E-07	1.37E-07	2.18E-07	3.84E-08	2.72E-08	1.02E-06	5.41E-07	2.29E-07	2.70E-07	1.06E-07	5.41E-07	2.29E-07
2660	490510.04	3858910	1.65E-03	1.61E-03	1.59E-03	5.71E-07	1.72E-06	9.98E-07	9.74E-07	8.83E-07	4.03E-07	3.97E-07	1.91E-08	4.60E-07	1.02E-07	1.32E-07	2.10E-07	3.70E-08	2.62E-08	9.86E-07	5.20E-07	2.21E-07	2.60E-07	1.02E-07	5.20E-07	2.21E-07
2661	490560.04	3858910	1.59E-03	1.55E-03	1.53E-03	5.49E-07	1.66E-06	9.60E-07	9.36E-07	8.49E-07	3.87E-07	3.82E-07	1.83E-08	4.43E-07	9.77E-08	1.27E-07	2.02E-07	3.55E-08	2.52E-08	9.49E-07	5.01E-07	2.12E-07	2.50E-07	9.82E-08	5.01E-07	2.12E-07
2662	490610.04	3858910	1.53E-03	1.49E-03	1.47E-03	5.28E-07	1.59E-06	9.23E-07	9.00E-07	8.16E-07	3.72E-07	3.68E-07	1.76E-08	4.26E-07	9.40E-08	1.22E-07	1.94E-07	3.42E-08	2.42E-08	9.12E-07	4.81E-07	2.04E-07	2.40E-07	9.44E-08	4.81E-07	2.04E-07
2663	490660.04	3858910	1.48E-03	1.44E-03	1.42E-03	5.11E-07	1.54E-06	8.93E-07	8.71E-07	7.90E-07	3.60E-07	3.56E-07	1.71E-08	4.12E-07	9.09E-08	1.18E-07	1.88E-07	3.31E-08	2.35E-08	8.82E-07	4.66E-07	1.98E-07	2.32E-07	9.13E-08	4.66E-07	1.98E-07
2664	490710.04	3858910	1.42E-03	1.39E-03	1.37E-03	4.93E-07	1.49E-06	8.61E-07	8.40E-07	7.62E-07	3.48E-07	3.43E-07	1.64E-08	3.97E-07	8.77E-08	1.14E-07	1.81E-07	3.19E-08	2.26E-08	8.51E-07	4.49E-07	1.91E-07	2.24E-07	8.81E-08	4.49E-07	1.91E-07
2665	490760.04	3858910	1.37E-03	1.33E-03	1.32E-03	4.73E-07	1.43E-06	8.27E-07	8.07E-07	7.32E-07	3.34E-07	3.30E-07	1.58E-08	3.82E-07	8.43E-08	1.10E-07	1.74E-07	3.06E-08	2.17E-08	8.18E-07	4.32E-07	1.83E-07	2.15E-07	8.46E-08	4.32E-07	1.83E-07
2666	490810.04	3858910	1.33E-03	1.29E-03	1.28E-03	4.59E-07	1.39E-06	8.02E-07	7.83E-07	7.09E-07	3.24E-07	3.19E-07	1.53E-08	3.70E-07	8.17E-08	1.06E-07	1.69E-07	2.97E-08	2.11E-08	7.93E-07	4.18E-07	1.78E-07	2.09E-07	8.20E-08	4.18E-07	1.78E-07
2667	490860.04	3858910	1.28E-03	1.24E-03	1.23E-03	4.41E-07	1.33E-06	7.72E-07	7.53E-07	6.83E-07	3.11E-07	3.07E-07	1.47E-08	3.56E-07	7.86E-08	1.02E-07	1.62E-07	2.86E-08	2.03E-08	7.63E-07	4.03E-07	1.71E-07	2.01E-07	7.89E-08	4.03E-07	1.71E-07
2668	490360.04	3858960	1.93E-03	1.88E-03	1.86E-03	6.69E-07	2.02E-06	1.17E-06	1.14E-06	1.03E-06	4.72E-07	4.65E-07	2.23E-08	5.39E-07	1.19E-07	1.55E-07	2.46E-07	4.33E-08	3.07E-08	1.16E-06	6.10E-07	2.59E-07	3.04E-07	1.20E-07	6.10E-07	2.59E-07
2669	490410.04	3858960	1.85E-03	1.81E-03	1.79E-03	6.42E-07	1.94E-06	1.12E-06	1.09E-06	9.93E-07	4.53E-07	4.47E-07	2.14E-08	5.18E-07	1.14E-07	1.49E-07	2.36E-07	4.16E-08	2.95E-08	1.11E-06	5.85E-07	2.48E-07	2.92E-07	1.15E-07	5.85E-07	2.48E-07
2670	490460.04	3858960	1.78E-03	1.73E-03	1.71E-03	6.15E-07	1.86E-06	1.08E-06	1.05E-06	9.52E-07	4.34E-07	4.28E-07	2.05E-08	4.96E-07	1.10E-07	1.43E-07	2.26E-07	3.98E-08	2.83E-08	1.06E-06	5.61E-07	2.38E-07	2.80E-07	1.10E-07	5.61E-07	2.38E-07
2671	490510.04	3858960	1.71E-03	1.67E-03	1.65E-03	5.92E-07	1.79E-06	1.03E-06	1.01E-06	9.15E-07	4.17E-07	4.12E-07	1.98E-08	4.77E-07	1.05E-07	1.37E-07	2.17E-07	3.83E-08	2.72E-08	1.02E-06	5.39E-07	2.29E-07	2.69E-07	1.06E-07	5.39E-07	2.29E-07
2672	490560.04	3858960	1.64E-03	1.61E-03	1.58E-03	5.69E-07	1.72E-06	9.95E-07	9.71E-07	8.80E-07	4.02E-07	3.96E-07	1.90E-08	4.59E-07	1.01E-07	1.32E-07	2.09E-07	3.69E-08	2.61E-08	9.84E-07	5.19E-07	2.20E-07	2.59E-07	1.02E-07	5.19E-07	2.20E-07
2673	490610.04	3858960	1.57E-03	1.54E-03	1.51E-03	5.45E-07	1.64E-06	9.52E-07	9.29E-07	8.42E-07	3.84E-07	3.79E-07	1.82E-08	4.39E-07	9.69E-08	1.26E-07	2.00E-07	3.53E-08	2.50E-08	9.41E-07	4.97E-07	2.11E-07	2.48E-07	9.74E-08	4.97E-07	2.11E-07
2674	490660.04	3858960	1.53E-03	1.49E-03	1.47E-03	5.29E-07	1.60E-06	9.25E-07	9.03E-07	8.18E-07	3.73E-07	3.68E-07	1.77E-08	4.27E-07	9.42E-08	1.23E-07	1.94E-07	3.43E-08	2.43E-08	9.14E-07	4.83E-07	2.05E-07	2.41E-07	9.46E-08	4.83E-07	2.05E-07
2675	490710.04	3858960	1.46E-03	1.43E-03	1.41E-03	5.07E-07	1.53E-06	8.86E-07	8.65E-07	7.84E-07	3.58E-07	3.53E-07	1.69E-08	4.09E-07	9.02E-08	1.17E-07	1.86E-07	3.28E-08	2.33E-08	8.76E-07	4.62E-07	1.96E-07	2.31E-07	9.06E-08	4.62E-07	1.96E-07
2676	490760.04	3858960	1.41E-03	1.37E-03	1.36E-03	4.88E-07	1.47E-06	8.52E-07	8.32E-07	7.54E-07	3.44E-07	3.40E-07	1.63E-08	3.93E-07	8.68E-08	1.13E-07	1.79E-07	3.16E-08	2.24E-08	8.43E-07	4.45E-07	1.89E-07	2.22E-07	8.72E-08	4.45E-07	1.89E-07
2677	490810.04	3858960	1.36E-03	1.32E-03	1.31E-03	4.70E-07	1.42E-06	8.21E-07	8.01E-07	7.26E-07	3.31E-07	3.27E-07	1.57E-08	3.79E-07	8.36E-08	1.09E-07	1.73E-07	3.04E-08	2.16E-08	8.11E-07	4.28E-07	1.82E-07	2.14E-07	8.40E-08	4.28E-07	1.82E-07
2678	490860.04	3858960	1.30E-03	1.27E-03	1.25E-03	4.51E-07	1.36E-06	7.88E-07	7.69E-07	6.97E-07	3.18E-07	3.14E-07	1.50E-08	3.64E-07	8.02E-08	1.04E-07	1.66E-07	2.92E-08	2.07E-08	7.79E-07	4.11E-07	1.74E-07	2.05E-07	8.06E-08	4.11E-07	1.74E-07
2679	490360.04	3859010	2.04E-03	1.99E-03	1.96E-03	7.05E-07	2.13E-06	1.23E-06	1.20E-06	1.09E-06	4.97E-07	4.91E-07	2.35E-08	5.68E-07	1.25E-07	1.63E-07	2.59E-07	4.56E-08	3.24E-08	1.22E-06	6.43E-07	2.73E-07	3.21E-07	1.26E-07	6.43E-07	2.73E-07
2680	490410.04	3859010	1.94E-03	1.90E-03	1.87E-03	6.73E-07	2.03E-06	1.18E-06	1.15E-06	1.04E-06	4.75E-07	4.68E-07	2.25E-08	5.43E-07	1.20E-07	1.56E-07	2.47E-07	4.36E-08	3.09E-08	1.16E-06	6.14E-07	2.60E-07	3.06E-07	1.20E-07	6.14E-07	2.60E-07
2681	490460.04	3859010	1.85E-03	1.80E-03	1.78E-03	6.40E-07	1.93E-06	1.12E-06	1.09E-06	9.89E-07	4.51E-07	4.45E-07	2.14E-08	5.16E-07	1.14E-07	1.48E-07	2.35E-07	4.14E-08	2.94E-08	1.11E-06	5.83E-07	2.47E-07	2.91E-07	1.14E-07	5.83E-07	2.47E-07
2682	490510.04	3859010	1.76E-03	1.72E-03	1.69E-03	6.09E-07	1.84E-06	1.06E-06	1.04E-06	9.42E-07	4.30E-07	4.24E-07	2.03E-08	4.91E-07	1.08E-07	1.41E-07	2.24E-07	3.94E-08	2.80E-08	1.05E-06	5.55E-07	2.36E-07	2.77E-07	1.09E-07	5.55E-07	2.36E-07
2683	490560.04	3859010	1.70E-03	1.66E-03	1.64E-03	5.89E-07	1.78E-06	1.03E-06	1.00E-06	9.10E-07	4.15E-07	4.10E-07	1.97E-08	4.75E-07	1.05E-07	1.36E-07	2.16E-07	3.81E-08	2.70E-08	1.02E-06	5.37E-07	2.28E-07	2.68E-07	1.05E-07	5.37E-07	2.28E-07
2684	490610.04	3859010	1.62E-03	1.58E-03	1.56E-03	5.62E-07	1.70E-06	9.83E-07	9.59E-07	8.69E-07	3.97E-07	3.91E-07	1.88E-08	4.54E-07	1.00E-07	1.30E-07	2.07E-07	3.64E-08	2.58E-08	9.71E-07	5.13E-07	2.18E-07	2.56E-07	1.01E-07	5.13E-07	2.18E-07
2685	490660.04	3859010	1.58E-03	1.54E-03	1.52E-03	5.46E-07	1.65E-06	9.55E-07	9.32E-07	8.44E-07	3.85E-07	3.80E-07	1.82E-08	4.41E-07	9.72E-08	1.26E-07	2.01E-07	3.54E-08	2.51E-08	9.44E-07	4.98E-07	2.11E-07	2.49E-07	9.76E-08	4.98E-07	2.11E-07
2686	490710.04	3859010	1.51E-03	1.47E-03	1.45E-03	5.22E-07	1.57E-06	9.12E-07	8.90E-07	8.07E-07	3.68E-07	3.63E-07	1.74E-08	4.21E-07	9.28E-08	1.21E-07	1.92E-07	3.38E-08	2.40E-08	9.01E-07	4.76E-07	2.02E-07	2.37E-07	9.33E-08	4.76E-07	2.02E-07
2687	490760.04	3859010	1.45E-03	1.41E-03	1.39E-03	5.00E-07	1.51E-06	8.75E-07	8.53E-07	7.74E-07	3.53E-07	3.48E-07	1.67E-08	4.04E-07	8.91E-08	1.16E-07	1.84E-07	3.24E-08	2.30E-08	8.64E-07	4.56E-07	1.94E-07	2.28E-07	8.95E-08	4.56E-07	1.94E-07
2688	490810.04	3859010	1.39E-03	1.35E-03	1.34E-03	4.80E-07	1.45E-06	8.39E-07	8.19E-07	7.42E-07	3.39E-07	3.34E-07	1.60E-08	3.87E-07	8.55E-08	1.11E-07	1.76E-07	3.11E-08	2.20E-08	8.29E-07	4.38E-07	1.86E-07	2.18E-07	8.58E-08	4.38E-07	1.86E-07
2689	490860.04	3859010	1.34E-03	1.30E-03	1.29E-03	4.62E-07	1.40E-06	8.08E-07	7.89E-07	7.15E-07	3.26E-07	3.22E-07	1.54E-08	3.73E-07	8.23E-08	1.07E-07	1.70E-07	2.99E-08	2.12E-08	7.99E-07	4.22E-07	1.79E-07	2.10E-07	8.27E-08	4.22E-07	1.79E-07
2690	490360.04	3859060	2.15E-03	2.10E-03	2.07E-03	7.43E-07	2.24E-06	1.30E-06	1.27E-06	1.15E-06	5.24E-07	5.17E-07	2.48E-08	5.99E-07	1.32E-07	1.72E-07	2.73E-07	4.81E-08	3.41E-08	1.28E-06	6.78E-07	2.88E-07	3.38E-07	1.33E-07	6.78E-07	2.88E-07
2691	490410.04	3859060	2.03E-03	1.98E-03	1.95E-03	7.01E-07	2.12E-06	1.23E-06	1.20E-06	1.08E-06	4.95E-07	4.88E-07	2.34E-08	5.65E-07	1.25E-07	1.62E-07	2.58E-07	4.54E-08	3.22E-08	1.21E-06	6.39E-07	2.71E-07	3.19E-07	1.25E-07	6.39E-07	2.71E-07
2692	490460.04	3859060	1.93E-03	1.88E-03	1.85E-03	6.67E-07	2.01E-06	1.17E-06	1.14E-06	1.03E-06	4.70E-07	4.64E-07	2.23E-08	5.38E-07	1.19E-07	1.54E-07	2.45E-07	4.32E-08	3.06E-08	1.15E-06	6.08E-07	2.58E-07	3.03E-07	1.19E-07	6.08E-07	2.58E-07
2693	490510.04	3859060	1.84E-03	1.79E-03	1.77E-03	6.37E-07	1.92E-06	1.11E-06	1.09E-06	9.84E-07	4.49E-07	4.43E-07	2.13E-08	5.14E-07	1.13E-07	1.47E-07	2.34E-07	4.12E-08	2.92E-08	1.10E-06	5.80E-07	2.46E-07	2.90E-07	1.14E-07	5.80E-07	2.46E-07
2694	490560.04	3859060	1.75E-03	1.71E-03	1.68E-03	6.06E-07	1.83E-06	1.06E-06	1.03E-06	9.36E-07	4.27E-07	4.22E-07	2.02E-08	4.89E-07	1.08E-07	1.40E-07	2.22E-07	3.92E-08	2.78E-08	1.05E-06	5.52E-07	2.34E-07	2.76E-07	1.08E-07	5.52E-07	2.34E-07
2695	490610.04	3859060	1.68E-03	1.64E-03	1.62E-03	5.83E-07	1.76E-06	1.02E-06	9.94E-07	9.01E-07	4.11E-07	4.06E-07	1.95E-08	4.70E-07	1.04E-07	1.35E-07	2.14E-07	3.77E-08	2.68E-08	1.01E-06	5.31E-07	2.25E-07	2.65E-07	1.04E-07	5.31E-07	2.25E-07
2696	490660.04	3859060	1.62E-03	1.58E-03	1.56E-03	5.62E-07	1.70E-06	9.83E-07	9.59E-07	8.69E-07	3.97E-07	3.91E-07	1.88E-08	4.53E-07	1.00E-07	1.30E-07	2.07E-07	3.64E-08	2.58E-08	9.71E-07	5.13E-07	2.17E-07	2.56E-07	1.00E-07	5.13E-07	2.17E-07
2697	490710.04	3859060	1.55E-03	1.51E-03	1.49E-03	5.36E-07	1.62E-06	9.37E-07	9.14E-07	8.28E-07	3.78E-07	3.73E-07	1.79E-08	4.32E-07	9.54E-08	1.24E-07	1.97E-07	3.47E-08	2.46E-08	9.26E-07	4.89E-07	2.07E-07	2.44E-07	9.58E-08	4.89E-07	2.07E-07
2698	490760.04	3859060	1.48E-03	1.45E-03	1.43E-03	5.13E-07	1.55E-06	8.96E-07	8.75E-07	7.93E-07	3.62E-07	3.57E-07	1.71E-08	4.14E-07	9.13E-08	1.19E-07	1.88E-07	3.32E-08	2.35E-08	8.86E-07	4.68E-07	1.98E-07	2.33E-07	9.17E-08	4.68E-07	1.98E-07
2699	490810.04	3859060	1.42E-03	1.38E-03	1.37E-03	4.91E-07	1.48E-06	8.59E-07	8.38E-07	7.60E-07	3.47E-07	3.42E-07	1.64E-08	3.96E-07	8.74E-08	1.14E-07	1.80E-07	3.18E-08	2.26E-08	8.49E-07	4.48E-07	1.90E-07	2.24E-07	8.78E-08	4.48E-07	1.90E-07
2700	490860.04	3859060	1.36E-03	1.33E-03	1.31E-03	4.72E-07	1.43E-06	8.26E-07	8.06E-07	7.30E-07	3.33E-07	3.29E-07	1.58E-08	3.81E-07	8.41E-08	1.09E-07	1.74E-07	3.06E-08	2.17E-08	8.16E-07	4.31E-07	1.83E-07	2.15E-07	8.44E-08	4.31E-07	1.83E-07
2701	490360.04	3859110	2.29E-03	2.24E-03	2.21E-03	7.93E-07	2.39E-06	1.39E-06	1.35E-06	1.23E-06	5.59E-07	5.52E-07	2.65E-08	6.40E-07	1.41E-07	1.84E-07	2.91E-07	5.13E-08	3.64E-08	1.37E-06	7.23E-07	3.07E-07	3.61E-07	1.42E-07	7.23E-07	3.07E-07
2702	490410.04	3859110	2.15E-03	2.10E-03	2.07E-03	7.45E-07	2.25E-06	1.30E-06	1.27E-06	1.15E-06	5.25E-07	5.18E-07	2.49E-08	6.01E-07	1.33E-07	1.72E-07	2.74E-07	4.82E-08	3.42E-08	1.29E-06	6.79E-07	2.88E-07	3.39E-07	1.33E-07	6.79E-07	2.88E-07
2703	490460.04	3859110	2.05E-03	2.00E-03	1.97E-03	7.09E-07	2.14E-06	1.24E-06	1.21E-06	1.10E-06	5.00E-07	4.93E-07	2.37E-08	5.72E-07	1.26E-07	1.64E-07	2.60E-07	4.59E-08	3.26E-08	1.22E-06	6.46E-07	2.74E-07	3.23E-07	1.27E-07	6.46E-07	2.74E-07
2704	490510.04	3859110	1.91E-03	1.87E-03	1.84E-03	6.63E-07	2.00E-06	1.16E-06	1.13E-06	1.02E-06	4.67E-07	4.61E-07	2.21E-08	5.34E-07	1.18E-07	1.53E-07	2.43E-07	4.29E-08	3.04E-08	1.14E-06	6.04E-07	2.56E-07	3.01E-07	1.18E-07	6.04E-07	2.56E-07
2705	490560.04	3859110	1.82E-03	1.78E-03	1.76E-03	6.31E-07	1.91E-06	1.10E-06	1.08E-06	9.76E-07	4.45E-07	4.39E-07	2.11E-08	5.09E-07	1.12E-07	1.46E-07	2.32E-07	4.09E-08	2.90E-08	1.09E-06	5.75E-07	2.44E-07	2.87E-07	1.13E-07	5.75E-07	2.44E-07
2706	490610.04	3859110	1.73E-03	1.69E-03	1.67E-03	6.00E-07	1.81E-06	1.05E-06	1.02E-06	9.28E-07	4.24E-07	4.18E-07	2.00E-08	4.84E-07	1.07E-07	1.39E-07	2.21E-07	3.89E-08	2.76E-08	1.04E-06	5.47E-07	2.32E-07	2.73E-07	1.07E-07	5.47E-07	2.32E-07
2707	490660.04	3859110	1.65E-03	1.61E-03	1.59E-03	5.70E-07	1.72E-06	9.96E-07	9.72E-07	8.81E-07	4.02E-07	3.97E-07	1.90E-08	4.60E-07	1.01E-07	1.32E-07	2.09E-07	3.69E-08	2.62E-08	9.85E-07	5.20E-07	2.21E-07	2.59E-07	1.02E-07	5.20E-07	2.21E-07
2708	490710.04	3859110	1.59E-03	1.55E-03	1.53E-03	5.49E-07	1.66E-06	9.60E-07	9.36E-07	8.49E-07	3.87E-07	3.82E-07	1.83E-08	4.43E-07	9.77E-08	1.27E-07	2.02E-07	3.55E-08	2.52E-08	9.49E-07	5.01E-07	2.12E-07	2.50E-07	9.82E-08	5.01E-07	2.12E-07
2709	490760.04	3859110	1.52E-03	1.48E-03	1.46E-03	5.26E-07	1.59E-06	9.20E-07	8.97E-07	8.13E-07	3.71E-07	3.66E-07	1.76E-08	4.24E-07	9.36E-08	1.22E-07	1.93E-07	3.41E-08	2.42E-08	9.09E-07	4.80E-07	2.04E-07	2.39E-07	9.41E-08	4.80E-07	2.04E-07
2710	490810.04	3859110	1.45E-03	1.42E-03	1.40E-03	5.03E-07	1.52E-06	8.78E-07	8.57E-07	7.77E-07	3.55E-07	3.50E-07	1.68E-08	4.05E-07	8.94E-08	1.16E-07	1.85E-07	3.25E-08	2.31E-08	8.68E-07	4.58E-07	1.94E-07	2.29E-07	8.98E-08	4.58E-07	1.94E-07
2711	490860.04	3859110	1.39E-03	1.36E-03	1.34E-03	4.81E-07	1.45E-06	8.41E-07	8.21E-07	7.44E-07	3.39E-07	3.35E-07	1.61E-08	3.88E-07	8.56E-08	1.11E-07	1.77E-07	3.11E-08	2.21E-08	8.31E-07	4.39E-07	1.86E-07	2.19E-07	8.60E-08	4.39E-07	1.86E-07
2712	490360.04	3859160	2.47E-03	2.41E-03	2.38E-03	8.55E-07	2.58E-06	1.49E-06	1.46E-06	1.32E-06	6.03E-07	5.95E-07	2.85E-08	6.89E-07	1.52E-07	1.98E-07	3.14E-07	5.53E-08	3.93E-08	1.48E-06	7.79E-07	3.31E-07	3.89E-07	1.53E-07	7.79E-07	3.31E-07
2713	490410.04	3859160	2.31E-03	2.26E-03	2.23E-03	8.01E-07	2.42E-06	1.40E-06	1.37E-06	1.24E-06	5.65E-07	5.57E-07	2.67E-08	6.46E-07	1.43E-07	1.85E-07	2.94E-07	5.18E-08	3.68E-08	1.38E-06	7.30E-07	3.10E-07	3.64E-07	1.43E-07	7.30E-07	3.10E-07
2714	490460.04	3859160	2.18E-03	2.13E-03	2.10E-03	7.54E-07	2.28E-06	1.32E-06	1.29E-06	1.17E-06	5.32E-07	5.25E-07	2.52E-08	6.08E-07	1.34E-07	1.75E-07	2.77E-07	4.88E-08	3.46E-08	1.30E-06	6.88E-07	2.92E-07	3.43E-07	1.35E-07	6.88E-07	2.92E-07
2715	490510.04	3859160	2.05E-03	2.00E-03	1.98E-03	7.11E-07	2.15E-06	1.24E-06	1.21E-06	1.10E-06	5.01E-07	4.95E-07	2.37E-08	5.73E-07	1.27E-07	1.65E-07	2.61E-07	4.60E-08	3.26E-08	1.23E-06	6.48E-07	2.75E-07	3.23E-07	1.27E-07	6.48E-07	2.75E-07
2716	490560.04	3859160	1.93E-03	1.88E-03	1.85E-03	6.67E-07	2.01E-06	1.17E-06	1.14E-06	1.03E-06	4.70E-07	4.64E-07	2.23E-08	5.38E-07	1.19E-07	1.54E-07	2.45E-07	4.32E-08	3.06E-08	1.15E-06	6.08E-07	2.58E-07	3.03E-07	1.19E-07	6.08E-07	2.58E-07
2717	490610.04	3859160	1.83E-03	1.79E-03	1.77E-03	6.35E-07	1.92E-06	1.11E-06	1.08E-06	9.82E-07	4.48E-07	4.42E-07	2.12E-08	5.12E-07	1.13E-07	1.47E-07	2.33E-07	4.11E-08	2.92E-08	1.10E-06	5.79E-07	2.46E-07	2.89E-07	1.14E-07	5.79E-07	2.46E-07
2718	490660.04	3859160	1.70E-03	1.66E-03	1.64E-03	5.90E-07	1.78E-06	1.03E-06	1.01E-06	9.12E-07	4.16E-07	4.11E-07	1.97E-08	4.76E-07	1.05E-07	1.37E-07	2.17E-07	3.82E-08	2.71E-08	1.02E-06	5.38E-07	2.28E-07	2.68E-07	1.05E-07	5.38E-07	2.28E-07
2719	490710.04	3859160	1.64E-03	1.60E-03	1.58E-03	5.66E-07	1.71E-06	9.90E-07	9.66E-07	8.76E-07	4.00E-07	3.94E-07	1.89E-08	4.57E-07	1.01E-07	1.31E-07	2.08E-07	3.67E-08	2.60E-08	9.78E-07	5.16E-07	2.19E-07	2.58E-07	1.01E-07	5.16E-07	2.19E-07
2720	490760.04	3859160	1.55E-03	1.51E-03	1.49E-03	5.36E-07	1.62E-06	9.37E-07	9.14E-07	8.28E-07	3.78E-07	3.73E-07	1.79E-08	4.32E-07	9.54E-08	1.24E-07	1.97E-07	3.47E-08	2.46E-08	9.26E-07	4.89E-07	2.07E-07	2.44E-07	9.58E-08	4.89E-07	2.07E-07
2721	490810.04	3859160	1.49E-03	1.45E-03	1.43E-03	5.16E-07	1.56E-06	9.01E-07	8.79E-07	7.97E-07	3.64E-07	3.59E-07	1.72E-08	4.16E-07	9.18E-08	1.19E-07	1.89E-07	3.34E-08	2.37E-08	8.91E-07	4.70E-07	1.99E-07	2.35E-07	9.22E-08	4.70E-07	1.99E-07
2722	490860.04	3859160	1.43E-03	1.40E-03	1.38E-03	4.96E-07	1.50E-06	8.67E-07	8.46E-07	7.67E-07	3.50E-07	3.45E-07	1.66E-08	4.00E-07	8.82E-08	1.15E-07	1.82E-07	3.21E-08	2.28E-08	8.56E-07	4.52E-07	1.92E-07	2.26E-07	8.86E-08	4.52E-07	1.92E-07
2723	490360.04	3859210	2.68E-03	2.62E-03	2.58E-03	9.29E-07	2.80E-06	1.62E-06	1.58E-06	1.44E-06	6.55E-07	6.47E-07	3.10E-08	7.49E-07	1.65E-07	2.15E-07	3.41E-07	6.01E-08	4.26E-08	1.60E-06	8.47E-07	3.59E-07	4.23E-07	1.66E-07	8.47E-07	3.59E-07
2724	490410.04	3859210	2.54E-03	2.48E-03	2.45E-03	8.79E-07	2.65E-06	1.54E-06	1.50E-06	1.36E-06	6.20E-07	6.12E-07	2.94E-08	7.09E-07	1.56E-07	2.04E-07	3.23E-07	5.69E-08	4.04E-08	1.52E-06	8.02E-07	3.40E-07	4.00E-07	1.57E-07	8.02E-07	3.40E-07
2725	490460.04	3859210	2.34E-03	2.28E-03	2.25E-03	8.09E-07	2.44E-06	1.41E-06	1.38E-06	1.25E-06	5.71E-07	5.63E-07	2.70E-08	6.53E-07	1.44E-07	1.87E-07	2.97E-07	5.24E-08	3.71E-08	1.40E-06	7.38E-07	3.13E-07	3.68E-07	1.45E-07	7.38E-07	3.13E-07
2726	490510.04	3859210	2.19E-03	2.14E-03	2.11E-03	7.58E-07	2.29E-06	1.32E-06	1.29E-06	1.17E-06	5.34E-07	5.27E-07	2.53E-08	6.11E-07	1.35E-07	1.75E-07	2.78E-07	4.90E-08	3.48E-08	1.31E-06	6.91E-07	2.93E-07	3.45E-07	1.35E-07	6.91E-07	2.93E-07
2727	490560.04	3859210	2.08E-03	2.03E-03	2.00E-03	7.19E-07	2.17E-06	1.26E-06	1.23E-06	1.11E-06	5.07E-07	5.00E-07	2.40E-08	5.80E-07	1.28E-07	1.66E-07	2.64E-07	4.65E-08	3.30E-08	1.24E-06	6.55E-07	2.78E-07	3.27E-07	1.29E-07	6.55E-07	2.78E-07
2728	490610.04	3859210	1.96E-03	1.91E-03	1.88E-03	6.77E-07	2.04E-06	1.18E-06	1.15E-06	1.05E-06	4.78E-07	4.71E-07	2.26E-08	5.46E-07	1.20E-07	1.57E-07	2.49E-07	4.38E-08	3.11E-08	1.17E-06	6.17E-07	2.62E-07	3.08E-07	1.21E-07	6.17E-07	2.62E-07
2729	490660.04	3859210	1.82E-03	1.77E-03	1.75E-03	6.29E-07	1.90E-06	1.10E-06	1.07E-06	9.73E-07	4.44E-07	4.38E-07	2.10E-08	5.07E-07	1.12E-07	1.46E-07	2.31E-07	4.07E-08	2.89E-08	1.09E-06	5.74E-07	2.43E-07	2.86E-07	1.12E-07	5.74E-07	2.43E-07
2730	490710.04	3859210	1.72E-03	1.68E-03	1.66E-03	5.97E-07	1.80E-06	1.04E-06	1.02E-06	9.23E-07	4.21E-07	4.16E-07	1.99E-08	4.81E-07	1.06E-07	1.38E-07	2.19E-07	3.86E-08	2.74E-08	1.03E-06	5.44E-07	2.31E-07	2.72E-07	1.07E-07	5.44E-07	2.31E-07
2731	490760.04	3859210	1.63E-03	1.59E-03	1.57E-03	5.65E-07	1.71E-06	9.88E-07	9.64E-07	8.74E-07	3.99E-07	3.93E-07	1.89E-08	4.56E-07	1.01E-07	1.31E-07	2.08E-07	3.66E-08	2.59E-08	9.76E-07	5.15E-07	2.19E-07	2.57E-07	1.01E-07	5.15E-07	2.19E-07

2732	490810.04	3859210	1.59E-03	1.55E-03	1.53E-03	5.49E-07	1.66E-06	9.60E-07	9.37E-07	8.49E-07	3.87E-07	3.82E-07	1.83E-08	4.43E-07	9.77E-08	1.27E-07	2.02E-07	3.56E-08	2.52E-08	9.49E-07	5.01E-07	2.12E-07	2.50E-07	9.82E-08	5.01E-07	2.12E-07
2733	490860.04	3859210	1.54E-03	1.50E-03	1.48E-03	5.34E-07	1.61E-06	9.33E-07	9.10E-07	8.25E-07	3.77E-07	3.72E-07	1.78E-08	4.30E-07	9.50E-08	1.24E-07	1.96E-07	3.46E-08	2.45E-08	9.22E-07	4.87E-07	2.06E-07	2.43E-07	9.54E-08	4.87E-07	2.06E-07
2734	490360.04	3859260	2.92E-03	2.85E-03	2.81E-03	1.01E-06	3.06E-06	1.77E-06	1.73E-06	1.56E-06	7.14E-07	7.04E-07	3.38E-08	8.16E-07	1.80E-07	2.34E-07	3.72E-07	6.55E-08	4.65E-08	1.75E-06	9.23E-07	3.91E-07	4.61E-07	1.81E-07	9.23E-07	3.91E-07
2735	490410.04	3859260	2.74E-03	2.67E-03	2.64E-03	9.48E-07	2.86E-06	1.66E-06	1.62E-06	1.47E-06	6.69E-07	6.60E-07	3.17E-08	7.65E-07	1.69E-07	2.20E-07	3.48E-07	6.14E-08	4.35E-08	1.64E-06	8.64E-07	3.67E-07	4.31E-07	1.69E-07	8.64E-07	3.67E-07
2736	490460.04	3859260	2.59E-03	2.52E-03	2.49E-03	8.96E-07	2.70E-06	1.57E-06	1.53E-06	1.38E-06	6.32E-07	6.23E-07	2.99E-08	7.22E-07	1.59E-07	2.07E-07	3.29E-07	5.80E-08	4.11E-08	1.55E-06	8.17E-07	3.46E-07	4.08E-07	1.60E-07	8.17E-07	3.46E-07
2737	490510.04	3859260	2.44E-03	2.39E-03	2.35E-03	8.46E-07	2.55E-06	1.48E-06	1.44E-06	1.31E-06	5.97E-07	5.89E-07	2.83E-08	6.83E-07	1.51E-07	1.96E-07	3.11E-07	5.48E-08	3.89E-08	1.46E-06	7.72E-07	3.27E-07	3.85E-07	1.51E-07	7.72E-07	3.27E-07
2738	490560.04	3859260	2.29E-03	2.23E-03	2.20E-03	7.93E-07	2.39E-06	1.39E-06	1.35E-06	1.23E-06	5.59E-07	5.52E-07	2.65E-08	6.39E-07	1.41E-07	1.84E-07	2.91E-07	5.13E-08	3.64E-08	1.37E-06	7.23E-07	3.07E-07	3.61E-07	1.42E-07	7.23E-07	3.07E-07
2739	490610.04	3859260	2.12E-03	2.07E-03	2.04E-03	7.33E-07	2.21E-06	1.28E-06	1.25E-06	1.13E-06	5.17E-07	5.10E-07	2.45E-08	5.91E-07	1.31E-07	1.70E-07	2.69E-07	4.75E-08	3.37E-08	1.27E-06	6.69E-07	2.84E-07	3.34E-07	1.31E-07	6.69E-07	2.84E-07
2740	490660.04	3859260	2.04E-03	1.99E-03	1.96E-03	7.06E-07	2.13E-06	1.23E-06	1.20E-06	1.09E-06	4.98E-07	4.91E-07	2.36E-08	5.69E-07	1.26E-07	1.63E-07	2.59E-07	4.57E-08	3.24E-08	1.22E-06	6.44E-07	2.73E-07	3.21E-07	1.26E-07	6.44E-07	2.73E-07
2741	490710.04	3859260	1.93E-03	1.88E-03	1.86E-03	6.69E-07	2.02E-06	1.17E-06	1.14E-06	1.03E-06	4.72E-07	4.65E-07	2.23E-08	5.39E-07	1.19E-07	1.55E-07	2.46E-07	4.33E-08	3.07E-08	1.15E-06	6.10E-07	2.59E-07	3.04E-07	1.20E-07	6.10E-07	2.59E-07
2742	490760.04	3859260	1.81E-03	1.77E-03	1.74E-03	6.27E-07	1.89E-06	1.10E-06	1.07E-06	9.69E-07	4.42E-07	4.36E-07	2.09E-08	5.06E-07	1.12E-07	1.45E-07	2.30E-07	4.06E-08	2.88E-08	1.08E-06	5.71E-07	2.42E-07	2.85E-07	1.12E-07	5.71E-07	2.42E-07
2743	490810.04	3859260	1.75E-03	1.70E-03	1.68E-03	6.04E-07	1.83E-06	1.06E-06	1.03E-06	9.35E-07	4.26E-07	4.21E-07	2.02E-08	4.88E-07	1.08E-07	1.40E-07	2.22E-07	3.91E-08	2.78E-08	1.04E-06	5.51E-07	2.34E-07	2.75E-07	1.08E-07	5.51E-07	2.34E-07
2744	490860.04	3859260	1.69E-03	1.65E-03	1.62E-03	5.84E-07	1.76E-06	1.02E-06	9.96E-07	9.03E-07	4.12E-07	4.06E-07	1.95E-08	4.71E-07	1.04E-07	1.35E-07	2.14E-07	3.78E-08	2.68E-08	1.01E-06	5.32E-07	2.26E-07	2.66E-07	1.04E-07	5.32E-07	2.26E-07
2745	490360.04	3859310	3.28E-03	3.20E-03	3.16E-03	1.14E-06	3.43E-06	1.99E-06	1.94E-06	1.76E-06	8.01E-07	7.91E-07	3.79E-08	9.16E-07	2.02E-07	2.63E-07	4.17E-07	7.35E-08	5.21E-08	1.96E-06	1.04E-06	4.39E-07	5.17E-07	2.03E-07	1.04E-06	4.39E-07
2746	490410.04	3859310	3.05E-03	2.98E-03	2.94E-03	1.06E-06	3.19E-06	1.85E-06	1.80E-06	1.63E-06	7.46E-07	7.36E-07	3.53E-08	8.53E-07	1.88E-07	2.45E-07	3.88E-07	6.85E-08	4.85E-08	1.83E-06	9.64E-07	4.09E-07	4.81E-07	1.89E-07	9.64E-07	4.09E-07
2747	490460.04	3859310	2.86E-03	2.79E-03	2.76E-03	9.91E-07	2.99E-06	1.73E-06	1.69E-06	1.53E-06	6.99E-07	6.90E-07	3.31E-08	7.99E-07	1.76E-07	2.29E-07	3.64E-07	6.42E-08	4.55E-08	1.71E-06	9.03E-07	3.83E-07	4.51E-07	1.77E-07	9.03E-07	3.83E-07
2748	490510.04	3859310	2.71E-03	2.64E-03	2.61E-03	9.37E-07	2.83E-06	1.64E-06	1.60E-06	1.45E-06	6.61E-07	6.53E-07	3.13E-08	7.56E-07	1.67E-07	2.17E-07	3.44E-07	6.07E-08	4.30E-08	1.62E-06	8.55E-07	3.63E-07	4.27E-07	1.68E-07	8.55E-07	3.63E-07
2749	490560.04	3859310	2.56E-03	2.50E-03	2.46E-03	8.86E-07	2.68E-06	1.55E-06	1.51E-06	1.37E-06	6.25E-07	6.17E-07	2.96E-08	7.15E-07	1.58E-07	2.05E-07	3.26E-07	5.74E-08	4.07E-08	1.53E-06	8.08E-07	3.43E-07	4.03E-07	1.58E-07	8.08E-07	3.43E-07
2750	490610.04	3859310	2.43E-03	2.37E-03	2.34E-03	8.42E-07	2.54E-06	1.47E-06	1.44E-06	1.30E-06	5.94E-07	5.86E-07	2.81E-08	6.80E-07	1.50E-07	1.95E-07	3.09E-07	5.45E-08	3.87E-08	1.46E-06	7.68E-07	3.26E-07	3.83E-07	1.51E-07	7.68E-07	3.26E-07
2751	490660.04	3859310	2.30E-03	2.24E-03	2.22E-03	7.96E-07	2.40E-06	1.39E-06	1.36E-06	1.23E-06	5.62E-07	5.54E-07	2.66E-08	6.42E-07	1.42E-07	1.84E-07	2.93E-07	5.16E-08	3.66E-08	1.38E-06	7.26E-07	3.08E-07	3.62E-07	1.42E-07	7.26E-07	3.08E-07
2752	490710.04	3859310	2.13E-03	2.08E-03	2.05E-03	7.37E-07	2.22E-06	1.29E-06	1.26E-06	1.14E-06	5.20E-07	5.13E-07	2.46E-08	5.94E-07	1.31E-07	1.71E-07	2.71E-07	4.77E-08	3.38E-08	1.27E-06	6.72E-07	2.85E-07	3.35E-07	1.32E-07	6.72E-07	2.85E-07
2753	490760.04	3859310	2.02E-03	1.97E-03	1.94E-03	6.98E-07	2.11E-06	1.22E-06	1.19E-06	1.08E-06	4.92E-07	4.86E-07	2.33E-08	5.63E-07	1.24E-07	1.62E-07	2.56E-07	4.52E-08	3.20E-08	1.21E-06	6.36E-07	2.70E-07	3.18E-07	1.25E-07	6.36E-07	2.70E-07
2754	490810.04	3859310	1.93E-03	1.89E-03	1.86E-03	6.70E-07	2.02E-06	1.17E-06	1.14E-06	1.04E-06	4.73E-07	4.66E-07	2.24E-08	5.40E-07	1.19E-07	1.55E-07	2.46E-07	4.34E-08	3.08E-08	1.16E-06	6.11E-07	2.59E-07	3.05E-07	1.20E-07	6.11E-07	2.59E-07
2755	490860.04	3859310	1.84E-03	1.80E-03	1.77E-03	6.38E-07	1.93E-06	1.12E-06	1.09E-06	9.87E-07	4.50E-07	4.44E-07	2.13E-08	5.15E-07	1.14E-07	1.48E-07	2.34E-07	4.13E-08	2.93E-08	1.10E-06	5.82E-07	2.47E-07	2.90E-07	1.14E-07	5.82E-07	2.47E-07
2756	490360.04	3859360	3.75E-03	3.65E-03	3.61E-03	1.30E-06	3.91E-06	2.27E-06	2.21E-06	2.00E-06	9.15E-07	9.02E-07	4.33E-08	1.05E-06	2.31E-07	3.00E-07	4.76E-07	8.39E-08	5.95E-08	2.24E-06	1.18E-06	5.02E-07	5.90E-07	2.32E-07	1.18E-06	5.02E-07
2757	490410.04	3859360	3.49E-03	3.41E-03	3.36E-03	1.21E-06	3.65E-06	2.11E-06	2.06E-06	1.87E-06	8.53E-07	8.42E-07	4.04E-08	9.76E-07	2.15E-07	2.80E-07	4.44E-07	7.83E-08	5.55E-08	2.09E-06	1.10E-06	4.68E-07	5.51E-07	2.16E-07	1.10E-06	4.68E-07
2758	490460.04	3859360	3.28E-03	3.20E-03	3.16E-03	1.13E-06	3.43E-06	1.98E-06	1.94E-06	1.75E-06	8.01E-07	7.90E-07	3.79E-08	9.15E-07	2.02E-07	2.63E-07	4.17E-07	7.35E-08	5.21E-08	1.96E-06	1.03E-06	4.39E-07	5.17E-07	2.03E-07	1.03E-06	4.39E-07
2759	490510.04	3859360	3.08E-03	3.01E-03	2.97E-03	1.07E-06	3.22E-06	1.87E-06	1.82E-06	1.65E-06	7.53E-07	7.43E-07	3.56E-08	8.61E-07	1.90E-07	2.47E-07	3.92E-07	6.91E-08	4.90E-08	1.84E-06	9.73E-07	4.13E-07	4.86E-07	1.91E-07	9.73E-07	4.13E-07
2760	490560.04	3859360	2.88E-03	2.81E-03	2.77E-03	9.97E-07	3.01E-06	1.74E-06	1.70E-06	1.54E-06	7.04E-07	6.94E-07	3.33E-08	8.04E-07	1.78E-07	2.31E-07	3.66E-07	6.46E-08	4.58E-08	1.72E-06	9.09E-07	3.86E-07	4.54E-07	1.78E-07	9.09E-07	3.86E-07
2761	490610.04	3859360	2.70E-03	2.64E-03	2.60E-03	9.35E-07	2.82E-06	1.63E-06	1.60E-06	1.45E-06	6.60E-07	6.51E-07	3.12E-08	7.54E-07	1.66E-07	2.17E-07	3.44E-07	6.06E-08	4.29E-08	1.62E-06	8.53E-07	3.62E-07	4.26E-07	1.67E-07	8.53E-07	3.62E-07
2762	490660.04	3859360	2.55E-03	2.49E-03	2.46E-03	8.84E-07	2.67E-06	1.54E-06	1.51E-06	1.37E-06	6.23E-07	6.15E-07	2.95E-08	7.13E-07	1.57E-07	2.05E-07	3.25E-07	5.72E-08	4.06E-08	1.53E-06	8.06E-07	3.42E-07	4.02E-07	1.58E-07	8.06E-07	3.42E-07
2763	490710.04	3859360	2.39E-03	2.33E-03	2.30E-03	8.27E-07	2.50E-06	1.45E-06	1.41E-06	1.28E-06	5.84E-07	5.76E-07	2.76E-08	6.67E-07	1.47E-07	1.92E-07	3.04E-07	5.36E-08	3.80E-08	1.43E-06	7.54E-07	3.20E-07	3.76E-07	1.48E-07	7.54E-07	3.20E-07
2764	490760.04	3859360	2.24E-03	2.18E-03	2.15E-03	7.75E-07	2.34E-06	1.35E-06	1.32E-06	1.20E-06	5.47E-07	5.39E-07	2.59E-08	6.25E-07	1.38E-07	1.79E-07	2.85E-07	5.02E-08	3.56E-08	1.34E-06	7.06E-07	3.00E-07	3.53E-07	1.38E-07	7.06E-07	3.00E-07
2765	490810.04	3859360	2.16E-03	2.10E-03	2.08E-03	7.47E-07	2.25E-06	1.30E-06	1.27E-06	1.15E-06	5.27E-07	5.20E-07	2.49E-08	6.02E-07	1.33E-07	1.73E-07	2.74E-07	4.83E-08	3.43E-08	1.29E-06	6.81E-07	2.89E-07	3.40E-07	1.33E-07	6.81E-07	2.89E-07
2766	490860.04	3859360	2.05E-03	2.00E-03	1.98E-03	7.11E-07	2.15E-06	1.24E-06	1.21E-06	1.10E-06	5.02E-07	4.95E-07	2.37E-08	5.74E-07	1.27E-07	1.65E-07	2.61E-07	4.60E-08	3.26E-08	1.23E-06	6.48E-07	2.75E-07	3.24E-07	1.27E-07	6.48E-07	2.75E-07
2767	490360.04	3859410	4.36E-03	4.25E-03	4.20E-03	1.51E-06	4.56E-06	2.64E-06	2.57E-06	2.33E-06	1.06E-06	1.05E-06	5.04E-08	1.22E-06	2.69E-07	3.50E-07	5.54E-07	9.77E-08	6.93E-08	2.61E-06	1.38E-06	5.84E-07	6.87E-07	2.70E-07	1.38E-06	5.84E-07
2768	490410.04	3859410	4.05E-03	3.95E-03	3.90E-03	1.40E-06	4.24E-06	2.45E-06	2.39E-06	2.17E-06	9.90E-07	9.76E-07	4.68E-08	1.13E-06	2.50E-07	3.25E-07	5.15E-07	9.08E-08	6.44E-08	2.42E-06	1.28E-06	5.43E-07	6.38E-07	2.51E-07	1.28E-06	5.43E-07
2769	490460.04	3859410	3.78E-03	3.69E-03	3.64E-03	1.31E-06	3.95E-06	2.29E-06	2.23E-06	2.02E-06	9.23E-07	9.10E-07	4.37E-08	1.05E-06	2.33E-07	3.03E-07	4.80E-07	8.47E-08	6.00E-08	2.26E-06	1.19E-06	5.06E-07	5.95E-07	2.34E-07	1.19E-06	5.06E-07
2770	490510.04	3859410	3.53E-03	3.44E-03	3.40E-03	1.22E-06	3.69E-06	2.14E-06	2.08E-06	1.89E-06	8.62E-07	8.51E-07	4.08E-08	9.86E-07	2.18E-07	2.83E-07	4.49E-07	7.91E-08	5.61E-08	2.11E-06	1.11E-06	4.73E-07	5.56E-07	2.18E-07	1.11E-06	4.73E-07
2771	490560.04	3859410	3.31E-03	3.23E-03	3.19E-03	1.15E-06	3.46E-06	2.00E-06	1.95E-06	1.77E-06	8.08E-07	7.97E-07	3.82E-08	9.24E-07	2.04E-07	2.65E-07	4.21E-07	7.42E-08	5.26E-08	1.98E-06	1.04E-06	4.43E-07	5.21E-07	2.05E-07	1.04E-06	4.43E-07
2772	490610.04	3859410	3.11E-03	3.03E-03	2.99E-03	1.08E-06	3.25E-06	1.88E-06	1.83E-06	1.66E-06	7.59E-07	7.49E-07	3.59E-08	8.68E-07	1.91E-07	2.49E-07	3.95E-07	6.97E-08	4.94E-08	1.86E-06	9.81E-07	4.16E-07	4.90E-07	1.92E-07	9.81E-07	4.16E-07
2773	490660.04	3859410	2.89E-03	2.82E-03	2.78E-03	9.99E-07	3.02E-06	1.75E-06	1.70E-06	1.54E-06	7.05E-07	6.95E-07	3.33E-08	8.06E-07	1.78E-07	2.31E-07	3.67E-07	6.47E-08	4.59E-08	1.73E-06	9.11E-07	3.86E-07	4.54E-07	1.79E-07	9.11E-07	3.86E-07
2774	490710.04	3859410	2.70E-03	2.63E-03	2.60E-03	9.34E-07	2.82E-06	1.63E-06	1.59E-06	1.44E-06	6.59E-07	6.50E-07	3.12E-08	7.54E-07	1.66E-07	2.16E-07	3.43E-07	6.05E-08	4.29E-08	1.61E-06	8.52E-07	3.61E-07	4.25E-07	1.67E-07	8.52E-07	3.61E-07
2775	490760.04	3859410	2.51E-03	2.45E-03	2.42E-03	8.69E-07	2.62E-06	1.52E-06	1.48E-06	1.34E-06	6.13E-07	6.05E-07	2.90E-08	7.01E-07	1.55E-07	2.01E-07	3.19E-07	5.63E-08	3.99E-08	1.50E-06	7.92E-07	3.36E-07	3.95E-07	1.55E-07	7.92E-07	3.36E-07
2776	490810.04	3859410	2.41E-03	2.35E-03	2.32E-03	8.33E-07	2.52E-06	1.46E-06	1.42E-06	1.29E-06	5.88E-07	5.80E-07	2.78E-08	6.72E-07	1.48E-07	1.93E-07	3.06E-07	5.39E-08	3.83E-08	1.44E-06	7.60E-07	3.22E-07	3.79E-07	1.49E-07	7.60E-07	3.22E-07
2777	490860.04	3859410	2.32E-03	2.27E-03	2.24E-03	8.04E-07	2.43E-06	1.41E-06	1.37E-06	1.24E-06	5.68E-07	5.60E-07	2.69E-08	6.49E-07	1.43E-07	1.86E-07	2.96E-07	5.21E-08	3.69E-08	1.39E-06	7.33E-07	3.11E-07	3.66E-07	1.44E-07	7.33E-07	3.11E-07
2778	490360.04	3859460	5.22E-03	5.09E-03	5.03E-03	1.81E-06	5.46E-06	3.16E-06	3.08E-06	2.79E-06	1.28E-06	1.26E-06	6.04E-08	1.46E-06	3.22E-07	4.19E-07	6.64E-07	1.17E-07	8.30E-08	3.12E-06	1.65E-06	6.99E-07	8.23E-07	3.23E-07	1.65E-06	6.99E-07
2779	490410.04	3859460	4.78E-03	4.66E-03	4.60E-03	1.65E-06	4.99E-06	2.89E-06	2.82E-06	2.56E-06	1.17E-06	1.15E-06	5.52E-08	1.33E-06	2.94E-07	3.83E-07	6.07E-07	1.07E-07	7.59E-08	2.86E-06	1.51E-06	6.40E-07	7.52E-07	2.96E-07	1.51E-06	6.40E-07
2780	490460.04	3859460	4.42E-03	4.32E-03	4.26E-03	1.53E-06	4.62E-06	2.68E-06	2.61E-06	2.37E-06	1.08E-06	1.07E-06	5.11E-08	1.24E-06	2.73E-07	3.55E-07	5.63E-07	9.91E-08	7.03E-08	2.65E-06	1.40E-06	5.92E-07	6.97E-07	2.74E-07	1.40E-06	5.92E-07
2781	490510.04	3859460	4.11E-03	4.01E-03	3.96E-03	1.42E-06	4.29E-06	2.49E-06	2.43E-06	2.20E-06	1.00E-06	9.90E-07	4.75E-08	1.15E-06	2.53E-07	3.29E-07	5.22E-07	9.21E-08	6.53E-08	2.46E-06	1.30E-06	5.50E-07	6.47E-07	2.54E-07	1.30E-06	5.50E-07
2782	490560.04	3859460	3.83E-03	3.74E-03	3.69E-03	1.33E-06	4.01E-06	2.32E-06	2.26E-06	2.05E-06	9.36E-07	9.23E-07	4.43E-08	1.07E-06	2.36E-07	3.07E-07	4.87E-07	8.59E-08	6.09E-08	2.29E-06	1.21E-06	5.13E-07	6.04E-07	2.37E-07	1.21E-06	5.13E-07
2783	490610.04	3859460	3.57E-03	3.48E-03	3.44E-03	1.24E-06	3.73E-06	2.16E-06	2.11E-06	1.91E-06	8.71E-07	8.60E-07	4.12E-08	9.96E-07	2.20E-07	2.86E-07	4.54E-07	8.00E-08	5.67E-08	2.13E-06	1.13E-06	4.78E-07	5.62E-07	2.21E-07	1.13E-06	4.78E-07
2784	490660.04	3859460	3.32E-03	3.24E-03	3.20E-03	1.15E-06	3.47E-06	2.01E-06	1.96E-06	1.78E-06	8.11E-07	8.01E-07	3.84E-08	9.28E-07	2.05E-07	2.66E-07	4.23E-07	7.45E-08	5.28E-08	1.99E-06	1.05E-06	4.45E-07	5.23E-07	2.06E-07	1.05E-06	4.45E-07
2785	490710.04	3859460	3.12E-03	3.04E-03	3.00E-03	1.08E-06	3.26E-06	1.89E-06	1.84E-06	1.67E-06	7.62E-07	7.52E-07	3.61E-08	8.71E-07	1.92E-07	2.50E-07	3.97E-07	6.99E-08	4.96E-08	1.87E-06	9.85E-07	4.18E-07	4.92E-07	1.93E-07	9.85E-07	4.18E-07
2786	490760.04	3859460	2.92E-03	2.85E-03	2.82E-03	1.01E-06	3.06E-06	1.77E-06	1.73E-06	1.57E-06	7.14E-07	7.05E-07	3.38E-08	8.17E-07	1.80E-07	2.34E-07	3.72E-07	6.56E-08	4.65E-08	1.75E-06	9.23E-07	3.92E-07	4.61E-07	1.81E-07	9.23E-07	3.92E-07
2787	490810.04	3859460	2.75E-03	2.68E-03	2.65E-03	9.52E-07	2.87E-06	1.66E-06	1.62E-06	1.47E-06	6.71E-07	6.62E-07	3.18E-08	7.68E-07	1.69E-07	2.20E-07	3.50E-07	6.16E-08	4.37E-08	1.64E-06	8.68E-07	3.68E-07	4.33E-07	1.70E-07	8.68E-07	3.68E-07
2788	490860.04	3859460	2.63E-03	2.57E-03	2.53E-03	9.10E-07	2.75E-06	1.59E-06	1.55E-06	1.41E-06	6.42E-07	6.34E-07	3.04E-08	7.34E-07	1.62E-07	2.11E-07	3.34E-07	5.89E-08	4.18E-08	1.57E-06	8.30E-07	3.52E-07	4.14E-07	1.63E-07	8.30E-07	3.52E-07
2789	490360.04	3859510	6.53E-03	6.37E-03	6.29E-03	2.26E-06	6.83E-06	3.95E-06	3.86E-06	3.50E-06	1.59E-06	1.57E-06	7.55E-08	1.82E-06	4.02E-07	5.24E-07	8.30E-07	1.46E-07	1.04E-07	3.91E-06	2.06E-06	8.75E-07	1.03E-06	4.04E-07	2.06E-06	8.75E-07
2790	490410.04	3859510	5.91E-03	5.77E-03	5.69E-03	2.05E-06	6.18E-06	3.58E-06	3.49E-06	3.16E-06	1.44E-06	1.42E-06	6.83E-08	1.65E-06	3.64E-07	4.74E-07	7.52E-07	1.32E-07	9.40E-08	3.54E-06	1.87E-06	7.92E-07	9.31E-07	3.66E-07	1.87E-06	7.92E-07
2791	490460.04	3859510	5.37E-03	5.24E-03	5.17E-03	1.86E-06	5.61E-06	3.25E-06	3.17E-06	2.87E-06	1.31E-06	1.29E-06	6.20E-08	1.50E-06	3.31E-07	4.30E-07	6.82E-07	1.20E-07	8.53E-08	3.21E-06	1.69E-06	7.19E-07	8.45E-07	3.32E-07	1.69E-06	7.19E-07
2792	490510.04	3859510	4.93E-03	4.81E-03	4.74E-03	1.71E-06	5.15E-06	2.98E-06	2.91E-06	2.64E-06	1.20E-06	1.19E-06	5.70E-08	1.38E-06	3.04E-07	3.95E-07	6.27E-07	1.10E-07	7.83E-08	2.95E-06	1.56E-06	6.60E-07	7.76E-07	3.05E-07	1.56E-06	6.60E-07
2793	490560.04	3859510	4.55E-03	4.44E-03	4.38E-03	1.57E-06	4.75E-06	2.75E-06	2.69E-06	2.43E-06	1.11E-06	1.10E-06	5.26E-08	1.27E-06	2.80E-07	3.65E-07	5.78E-07	1.02E-07	7.23E-08	2.72E-06	1.44E-06	6.09E-07	7.17E-07	2.81E-07	1.44E-06	6.09E-07
2794	490610.04	3859510	4.20E-03	4.10E-03	4.05E-03	1.45E-06	4.39E-06	2.54E-06	2.48E-06	2.25E-06	1.03E-06	1.01E-06	4.86E-08	1.17E-06	2.59E-07	3.37E-07	5.34E-07	9.42E-08	6.68E-08	2.51E-06	1.33E-06	5.63E-07	6.62E-07	2.60E-07	1.33E-06	5.63E-07
2795	490660.04	3859510	3.90E-03	3.80E-03	3.75E-03	1.35E-06	4.07E-06	2.36E-06	2.30E-06	2.09E-06	9.52E-07	9.39E-07	4.50E-08	1.09E-06	2.40E-07	3.12E-07	4.95E-07	8.73E-08	6.19E-08	2.33E-06	1.23E-06	5.22E-07	6.14E-07	2.41E-07	1.23E-06	5.22E-07
2796	490710.04	3859510	3.62E-03	3.53E-03	3.48E-03	1.25E-06	3.78E-06	2.19E-06	2.14E-06	1.94E-06	8.84E-07	8.72E-07	4.18E-08	1.01E-06	2.23E-07	2.90E-07	4.60E-07	8.11E-08	5.75E-08	2.16E-06	1.14E-06	4.85E-07	5.70E-07	2.24E-07	1.14E-06	4.85E-07
2797	490760.04	3859510	3.38E-03	3.30E-03	3.25E-03	1.17E-06	3.53E-06	2.04E-06	1.99E-06	1.81E-06	8.25E-07	8.14E-07	3.91E-08	9.43E-07	2.08E-07	2.71E-07	4.30E-07	7.57E-08	5.37E-08	2.02E-06	1.07E-06	4.52E-07	5.32E-07	2.09E-07	1.07E-06	4.52E-07
2798	490810.04	3859510	3.18E-03	3.10E-03	3.06E-03	1.10E-06	3.33E-06	1.92E-06	1.88E-06	1.70E-06	7.77E-07	7.67E-07	3.68E-08	8.88E-07	1.96E-07	2.55E-07	4.05E-07	7.13E-08	5.06E-08	1.90E-06	1.00E-06	4.26E-07	5.01E-07	1.97E-07	1.00E-06	4.26E-07
2799	490860.04	3859510	2.99E-03	2.92E-03	2.88E-03	1.04E-06	3.13E-06	1.81E-06	1.77E-06	1.60E-06	7.31E-07	7.21E-07	3.46E-08	8.35E-07	1.84E-07	2.40E-07	3.81E-07	6.71E-08	4.76E-08	1.79E-06	9.44E-07	4.01E-07	4.71E-07	1.85E-07	9.44E-07	4.01E-07
2800	490360.04	3859560	8.69E-03	8.48E-03	8.37E-03	3.01E-06	9.09E-06	5.26E-06	5.13E-06	4.65E-06	2.12E-06	2.10E-06	1.00E-07	2.43E-06	5.36E-07	6.97E-07	1.11E-06	1.95E-07	1.38E-07	5.20E-06	2.74E-06	1.16E-06	1.37E-06	5.38E-07	2.74E-06	1.16E-06
2801	490410.04	3859560	7.71E-03	7.52E-03	7.42E-03	2.67E-06	8.05E-06	4.66E-06	4.55E-06	4.12E-06	1.88E-06	1.86E-06	8.91E-08	2.15E-06	4.75E-07	6.18E-07	9.80E-07	1.73E-07	1.22E-07	4.61E-06	2.43E-06	1.03E-06	1.21E-06	4.77E-07	2.43E-06	1.03E-06
2802	490460.04	3859560	6.88E-03	6.71E-03	6.62E-03	2.38E-06	7.19E-06	4.16E-06	4.06E-06	3.68E-06	1.68E-06	1.66E-06	7.95E-08	1.92E-06	4.24E-07	5.51E-07	8.75E-07	1.54E-07	1.09E-07	4.11E-06	2.17E-06	9.21E-07	1.08E-06	4.26E-07	2.17E-06	9.21E-07
2803	490510.04	3859560	6.14E-03	5.99E-03	5.91E-03	2.13E-06	6.42E-06	3.72E-06	3.63E-06	3.29E-06	1.50E-06	1.48E-06	7.10E-08	1.71E-06	3.78E-07	4.92E-07	7.81E-07	1.38E-07	9.76E-08	3.67E-06	1.94E-06	8.22E-07	9.67E-07	3.80E-07	1.94E-06	8.22E-07
2804	490560.04	3859560	5.59E-03	5.46E-03	5.38E-03	1.94E-06	5.84E-06	3.38E-06	3.30E-06	2.99E-06	1.37E-06	1.35E-06	6.46E-08	1.56E-06	3.45E-07	4.48E-07	7.11E-07	1.25E-07	8.89E-08	3.34E-06	1.76E-06	7.49E-07	8.81E-07	3.46E-07	1.76E-06	7.49E-07
2805	490610.04	3859560	5.10E-03	4.98E-03	4.91E-03	1.77E-06	5.33E-06	3.09E-06	3.01E-06	2.73E-06	1.25E-06	1.23E-06	5.90E-08	1.42E-06	3.14E-07	4.09E-07	6.49E-07	1.14E-07	8.11E-08	3.05E-06	1.61E-06	6.83E-07	8.04E-07	3.16E-07	1.61E-06	6.83E-07

2806	490660.04	3859560	4.68E-03	4.57E-03	4.51E-03	1.62E-06	4.89E-06	2.83E-06	2.76E-06	2.51E-06	1.14E-06	1.13E-06	5.41E-08	1.31E-06	2.88E-07	3.75E-07	5.95E-07	1.05E-07	7.44E-08	2.80E-06	1.48E-06	6.27E-07	7.37E-07	2.90E-07	1.48E-06	6.27E-07
2807	490710.04	3859560	4.31E-03	4.20E-03	4.15E-03	1.49E-06	4.50E-06	2.61E-06	2.54E-06	2.30E-06	1.05E-06	1.04E-06	4.98E-08	1.20E-06	2.65E-07	3.45E-07	5.48E-07	9.65E-08	6.84E-08	2.57E-06	1.36E-06	5.77E-07	6.78E-07	2.66E-07	1.36E-06	5.77E-07
2808	490760.04	3859560	3.95E-03	3.86E-03	3.81E-03	1.37E-06	4.13E-06	2.39E-06	2.33E-06	2.12E-06	9.66E-07	9.53E-07	4.57E-08	1.10E-06	2.44E-07	3.17E-07	5.03E-07	8.86E-08	6.29E-08	2.36E-06	1.25E-06	5.30E-07	6.23E-07	2.45E-07	1.25E-06	5.30E-07
2809	490810.04	3859560	3.67E-03	3.58E-03	3.54E-03	1.27E-06	3.84E-06	2.22E-06	2.17E-06	1.97E-06	8.97E-07	8.85E-07	4.25E-08	1.03E-06	2.26E-07	2.94E-07	4.67E-07	8.23E-08	5.84E-08	2.20E-06	1.16E-06	4.92E-07	5.79E-07	2.27E-07	1.16E-06	4.92E-07
2810	490860.04	3859560	3.42E-03	3.34E-03	3.29E-03	1.18E-06	3.57E-06	2.07E-06	2.02E-06	1.83E-06	8.35E-07	8.24E-07	3.95E-08	9.55E-07	2.11E-07	2.74E-07	4.35E-07	7.66E-08	5.43E-08	2.04E-06	1.08E-06	4.58E-07	5.39E-07	2.12E-07	1.08E-06	4.58E-07
2811	490187.25	3859422	6.24E-03	6.09E-03	6.01E-03	2.16E-06	6.53E-06	3.78E-06	3.69E-06	3.34E-06	1.52E-06	1.50E-06	7.22E-08	1.74E-06	3.85E-07	5.01E-07	7.94E-07	1.40E-07	9.92E-08	3.73E-06	1.97E-06	8.36E-07	9.84E-07	3.86E-07	1.97E-06	8.36E-07
2812	490237.25	3859422	5.64E-03	5.51E-03	5.44E-03	1.95E-06	5.90E-06	3.42E-06	3.33E-06	3.02E-06	1.38E-06	1.36E-06	6.53E-08	1.58E-06	3.48E-07	4.53E-07	7.18E-07	1.27E-07	8.97E-08	3.38E-06	1.78E-06	7.56E-07	8.89E-07	3.49E-07	1.78E-06	7.56E-07
2813	490287.25	3859422	5.14E-03	5.02E-03	4.95E-03	1.78E-06	5.38E-06	3.11E-06	3.04E-06	2.75E-06	1.26E-06	1.24E-06	5.95E-08	1.44E-06	3.17E-07	4.12E-07	6.54E-07	1.15E-07	8.18E-08	3.08E-06	1.62E-06	6.89E-07	8.10E-07	3.18E-07	1.62E-06	6.89E-07
2814	490337.25	3859422	4.70E-03	4.59E-03	4.53E-03	1.63E-06	4.92E-06	2.85E-06	2.78E-06	2.52E-06	1.15E-06	1.13E-06	5.44E-08	1.31E-06	2.90E-07	3.77E-07	5.98E-07	1.05E-07	7.48E-08	2.81E-06	1.48E-06	6.30E-07	7.41E-07	2.91E-07	1.48E-06	6.30E-07
2815	490187.25	3859472	7.87E-03	7.68E-03	7.57E-03	2.72E-06	8.22E-06	4.76E-06	4.64E-06	4.21E-06	1.92E-06	1.90E-06	9.09E-08	2.20E-06	4.85E-07	6.31E-07	1.00E-06	1.76E-07	1.25E-07	4.70E-06	2.48E-06	1.05E-06	1.24E-06	4.87E-07	2.48E-06	1.05E-06
2816	490237.25	3859472	7.01E-03	6.84E-03	6.75E-03	2.43E-06	7.33E-06	4.24E-06	4.14E-06	3.75E-06	1.71E-06	1.69E-06	8.10E-08	1.96E-06	4.32E-07	5.62E-07	8.91E-07	1.57E-07	1.11E-07	4.19E-06	2.21E-06	9.39E-07	1.10E-06	4.34E-07	2.21E-06	9.39E-07
2817	490287.25	3859472	6.29E-03	6.14E-03	6.06E-03	2.18E-06	6.57E-06	3.81E-06	3.71E-06	3.37E-06	1.54E-06	1.52E-06	7.27E-08	1.76E-06	3.88E-07	5.04E-07	8.00E-07	1.41E-07	1.00E-07	3.76E-06	1.99E-06	8.42E-07	9.91E-07	3.89E-07	1.99E-06	8.42E-07
2818	490337.25	3859472	5.72E-03	5.58E-03	5.51E-03	1.98E-06	5.98E-06	3.46E-06	3.38E-06	3.06E-06	1.40E-06	1.38E-06	6.61E-08	1.60E-06	3.52E-07	4.58E-07	7.27E-07	1.28E-07	9.09E-08	3.42E-06	1.80E-06	7.66E-07	9.01E-07	3.54E-07	1.80E-06	7.66E-07
2819	490297.07	3859500	7.08E-03	6.91E-03	6.82E-03	2.45E-06	7.40E-06	4.29E-06	4.18E-06	3.79E-06	1.73E-06	1.71E-06	8.19E-08	1.98E-06	4.36E-07	5.68E-07	9.01E-07	1.59E-07	1.13E-07	4.24E-06	2.24E-06	9.48E-07	1.12E-06	4.38E-07	2.24E-06	9.48E-07
2820	490327.07	3859500	6.67E-03	6.51E-03	6.42E-03	2.31E-06	6.97E-06	4.04E-06	3.94E-06	3.57E-06	1.63E-06	1.61E-06	7.71E-08	1.86E-06	4.11E-07	5.35E-07	8.48E-07	1.50E-07	1.06E-07	3.99E-06	2.11E-06	8.93E-07	1.05E-06	4.13E-07	2.11E-06	8.93E-07
2821	490297.07	3859530	8.43E-03	8.22E-03	8.11E-03	2.92E-06	8.81E-06	5.10E-06	4.98E-06	4.51E-06	2.06E-06	2.03E-06	9.74E-08	2.35E-06	5.19E-07	6.76E-07	1.07E-06	1.89E-07	1.34E-07	5.04E-06	2.66E-06	1.13E-06	1.33E-06	5.22E-07	2.66E-06	1.13E-06
2822	490327.07	3859530	7.84E-03	7.65E-03	7.55E-03	2.71E-06	8.20E-06	4.74E-06	4.63E-06	4.20E-06	1.91E-06	1.89E-06	9.06E-08	2.19E-06	4.83E-07	6.29E-07	9.97E-07	1.76E-07	1.25E-07	4.69E-06	2.47E-06	1.05E-06	1.24E-06	4.85E-07	2.47E-06	1.05E-06
2823	490319.73	3859055	2.24E-03	2.18E-03	2.15E-03	7.75E-07	2.34E-06	1.35E-06	1.32E-06	1.20E-06	5.47E-07	5.39E-07	2.59E-08	6.25E-07	1.38E-07	1.79E-07	2.85E-07	5.02E-08	3.56E-08	1.34E-06	7.06E-07	3.00E-07	3.53E-07	1.38E-07	7.06E-07	3.00E-07
2824	490319.73	3859105	2.39E-03	2.33E-03	2.30E-03	8.26E-07	2.50E-06	1.44E-06	1.41E-06	1.28E-06	5.83E-07	5.75E-07	2.76E-08	6.67E-07	1.47E-07	1.91E-07	3.04E-07	5.35E-08	3.79E-08	1.43E-06	7.53E-07	3.20E-07	3.76E-07	1.48E-07	7.53E-07	3.20E-07
2825	490069.73	3859155	3.40E-03	3.32E-03	3.27E-03	1.18E-06	3.55E-06	2.06E-06	2.01E-06	1.82E-06	8.30E-07	8.19E-07	3.93E-08	9.49E-07	2.09E-07	2.73E-07	4.32E-07	7.62E-08	5.40E-08	2.03E-06	1.07E-06	4.55E-07	5.36E-07	2.10E-07	1.07E-06	4.55E-07
2826	490119.73	3859155	3.21E-03	3.13E-03	3.09E-03	1.11E-06	3.35E-06	1.94E-06	1.89E-06	1.72E-06	7.83E-07	7.73E-07	3.71E-08	8.96E-07	1.98E-07	2.57E-07	4.08E-07	7.19E-08	5.10E-08	1.92E-06	1.01E-06	4.30E-07	5.05E-07	1.99E-07	1.01E-06	4.30E-07
2827	490269.73	3859155	2.74E-03	2.67E-03	2.64E-03	9.49E-07	2.87E-06	1.66E-06	1.62E-06	1.47E-06	6.69E-07	6.61E-07	3.17E-08	7.65E-07	1.69E-07	2.20E-07	3.49E-07	6.14E-08	4.36E-08	1.64E-06	8.65E-07	3.67E-07	4.32E-07	1.70E-07	8.65E-07	3.67E-07
2828	490319.73	3859155	2.58E-03	2.52E-03	2.48E-03	8.93E-07	2.70E-06	1.56E-06	1.52E-06	1.38E-06	6.30E-07	6.22E-07	2.98E-08	7.21E-07	1.59E-07	2.07E-07	3.28E-07	5.78E-08	4.10E-08	1.54E-06	8.14E-07	3.46E-07	4.07E-07	1.60E-07	8.14E-07	3.46E-07
2829	490069.73	3859205	3.83E-03	3.74E-03	3.69E-03	1.33E-06	4.01E-06	2.32E-06	2.26E-06	2.05E-06	9.36E-07	9.24E-07	4.43E-08	1.07E-06	2.36E-07	3.07E-07	4.88E-07	8.59E-08	6.09E-08	2.29E-06	1.21E-06	5.13E-07	6.04E-07	2.37E-07	1.21E-06	5.13E-07
2830	490119.73	3859205	3.62E-03	3.53E-03	3.48E-03	1.25E-06	3.78E-06	2.19E-06	2.13E-06	1.93E-06	8.83E-07	8.71E-07	4.18E-08	1.01E-06	2.23E-07	2.90E-07	4.60E-07	8.10E-08	5.75E-08	2.16E-06	1.14E-06	4.84E-07	5.70E-07	2.24E-07	1.14E-06	4.84E-07
2831	490169.73	3859205	3.40E-03	3.32E-03	3.27E-03	1.18E-06	3.55E-06	2.06E-06	2.01E-06	1.82E-06	8.31E-07	8.20E-07	3.93E-08	9.50E-07	2.10E-07	2.73E-07	4.33E-07	7.62E-08	5.41E-08	2.03E-06	1.07E-06	4.55E-07	5.36E-07	2.10E-07	1.07E-06	4.55E-07
2832	490219.73	3859205	3.18E-03	3.10E-03	3.06E-03	1.10E-06	3.32E-06	1.92E-06	1.88E-06	1.70E-06	7.77E-07	7.66E-07	3.68E-08	8.88E-07	1.96E-07	2.55E-07	4.04E-07	7.13E-08	5.06E-08	1.90E-06	1.00E-06	4.26E-07	5.01E-07	1.97E-07	1.00E-06	4.26E-07
2833	490269.73	3859205	2.97E-03	2.90E-03	2.86E-03	1.03E-06	3.10E-06	1.80E-06	1.75E-06	1.59E-06	7.25E-07	7.15E-07	3.43E-08	8.29E-07	1.83E-07	2.38E-07	3.77E-07	6.65E-08	4.72E-08	1.77E-06	9.36E-07	3.97E-07	4.67E-07	1.84E-07	9.36E-07	3.97E-07
2834	490319.73	3859205	2.80E-03	2.73E-03	2.70E-03	9.70E-07	2.93E-06	1.69E-06	1.65E-06	1.50E-06	6.84E-07	6.75E-07	3.24E-08	7.82E-07	1.73E-07	2.25E-07	3.56E-07	6.28E-08	4.45E-08	1.67E-06	8.84E-07	3.75E-07	4.41E-07	1.73E-07	8.84E-07	3.75E-07
2835	490069.73	3859255	4.36E-03	4.26E-03	4.20E-03	1.51E-06	4.56E-06	2.64E-06	2.58E-06	2.33E-06	1.07E-06	1.05E-06	5.04E-08	1.22E-06	2.69E-07	3.50E-07	5.55E-07	9.78E-08	6.93E-08	2.61E-06	1.38E-06	5.84E-07	6.87E-07	2.70E-07	1.38E-06	5.84E-07
2836	490119.73	3859255	4.07E-03	3.97E-03	3.92E-03	1.41E-06	4.26E-06	2.46E-06	2.40E-06	2.18E-06	9.95E-07	9.82E-07	4.71E-08	1.14E-06	2.51E-07	3.27E-07	5.18E-07	9.13E-08	6.47E-08	2.44E-06	1.29E-06	5.45E-07	6.42E-07	2.52E-07	1.29E-06	5.45E-07
2837	490169.73	3859255	3.81E-03	3.72E-03	3.67E-03	1.32E-06	3.98E-06	2.30E-06	2.25E-06	2.04E-06	9.30E-07	9.17E-07	4.40E-08	1.06E-06	2.35E-07	3.05E-07	4.84E-07	8.53E-08	6.05E-08	2.28E-06	1.20E-06	5.10E-07	6.00E-07	2.36E-07	1.20E-06	5.10E-07
2838	490219.73	3859255	3.54E-03	3.45E-03	3.41E-03	1.23E-06	3.70E-06	2.14E-06	2.09E-06	1.90E-06	8.65E-07	8.53E-07	4.09E-08	9.89E-07	2.18E-07	2.84E-07	4.50E-07	7.94E-08	5.63E-08	2.12E-06	1.12E-06	4.74E-07	5.58E-07	2.19E-07	1.12E-06	4.74E-07
2839	490269.73	3859255	3.30E-03	3.22E-03	3.17E-03	1.14E-06	3.45E-06	1.99E-06	1.95E-06	1.76E-06	8.05E-07	7.94E-07	3.81E-08	9.20E-07	2.03E-07	2.64E-07	4.19E-07	7.39E-08	5.24E-08	1.97E-06	1.04E-06	4.41E-07	5.19E-07	2.04E-07	1.04E-06	4.41E-07
2840	490319.73	3859255	3.09E-03	3.02E-03	2.98E-03	1.07E-06	3.23E-06	1.87E-06	1.83E-06	1.66E-06	7.55E-07	7.45E-07	3.57E-08	8.63E-07	1.91E-07	2.48E-07	3.93E-07	6.93E-08	4.92E-08	1.85E-06	9.76E-07	4.14E-07	4.87E-07	1.91E-07	9.76E-07	4.14E-07
2841	490069.73	3859305	5.07E-03	4.95E-03	4.88E-03	1.75E-06	5.30E-06	3.07E-06	2.99E-06	2.71E-06	1.24E-06	1.22E-06	5.86E-08	1.42E-06	3.12E-07	4.06E-07	6.44E-07	1.14E-07	8.06E-08	3.03E-06	1.60E-06	6.79E-07	7.98E-07	3.14E-07	1.60E-06	6.79E-07
2842	490119.73	3859305	4.68E-03	4.57E-03	4.51E-03	1.62E-06	4.90E-06	2.83E-06	2.77E-06	2.51E-06	1.14E-06	1.13E-06	5.41E-08	1.31E-06	2.89E-07	3.75E-07	5.96E-07	1.05E-07	7.44E-08	2.80E-06	1.48E-06	6.27E-07	7.38E-07	2.90E-07	1.48E-06	6.27E-07
2843	490169.73	3859305	4.34E-03	4.23E-03	4.17E-03	1.50E-06	4.53E-06	2.62E-06	2.56E-06	2.32E-06	1.06E-06	1.04E-06	5.01E-08	1.21E-06	2.67E-07	3.48E-07	5.51E-07	9.72E-08	6.89E-08	2.59E-06	1.37E-06	5.81E-07	6.83E-07	2.68E-07	1.37E-06	5.81E-07
2844	490219.73	3859305	4.01E-03	3.92E-03	3.86E-03	1.39E-06	4.19E-06	2.43E-06	2.37E-06	2.15E-06	9.80E-07	9.67E-07	4.64E-08	1.12E-06	2.47E-07	3.22E-07	5.10E-07	8.99E-08	6.38E-08	2.40E-06	1.27E-06	5.37E-07	6.32E-07	2.48E-07	1.27E-06	5.37E-07
2845	490269.73	3859305	3.72E-03	3.63E-03	3.58E-03	1.29E-06	3.89E-06	2.25E-06	2.20E-06	1.99E-06	9.09E-07	8.97E-07	4.30E-08	1.04E-06	2.29E-07	2.98E-07	4.73E-07	8.34E-08	5.91E-08	2.23E-06	1.17E-06	4.98E-07	5.86E-07	2.30E-07	1.17E-06	4.98E-07
2846	490319.73	3859305	3.45E-03	3.37E-03	3.32E-03	1.19E-06	3.61E-06	2.09E-06	2.04E-06	1.85E-06	8.42E-07	8.31E-07	3.99E-08	9.63E-07	2.13E-07	2.77E-07	4.39E-07	7.73E-08	5.48E-08	2.06E-06	1.09E-06	4.62E-07	5.43E-07	2.13E-07	1.09E-06	4.62E-07
2847	490069.73	3859355	6.08E-03	5.93E-03	5.86E-03	2.10E-06	6.36E-06	3.68E-06	3.59E-06	3.25E-06	1.49E-06	1.47E-06	7.03E-08	1.70E-06	3.75E-07	4.87E-07	7.73E-07	1.36E-07	9.67E-08	3.64E-06	1.92E-06	8.14E-07	9.58E-07	3.76E-07	1.92E-06	8.14E-07
2848	490119.73	3859355	5.53E-03	5.40E-03	5.33E-03	1.92E-06	5.78E-06	3.35E-06	3.27E-06	2.96E-06	1.35E-06	1.33E-06	6.40E-08	1.55E-06	3.41E-07	4.44E-07	7.04E-07	1.24E-07	8.80E-08	3.31E-06	1.75E-06	7.41E-07	8.72E-07	3.42E-07	1.75E-06	7.41E-07
2849	490169.73	3859355	5.06E-03	4.94E-03	4.87E-03	1.75E-06	5.29E-06	3.06E-06	2.99E-06	2.71E-06	1.24E-06	1.22E-06	5.85E-08	1.41E-06	3.12E-07	4.05E-07	6.43E-07	1.13E-07	8.04E-08	3.02E-06	1.60E-06	6.77E-07	7.97E-07	3.13E-07	1.60E-06	6.77E-07
2850	490219.73	3859355	4.63E-03	4.52E-03	4.46E-03	1.60E-06	4.84E-06	2.80E-06	2.73E-06	2.48E-06	1.13E-06	1.12E-06	5.35E-08	1.29E-06	2.85E-07	3.71E-07	5.89E-07	1.04E-07	7.36E-08	2.77E-06	1.46E-06	6.20E-07	7.29E-07	2.86E-07	1.46E-06	6.20E-07
2851	490269.73	3859355	4.27E-03	4.17E-03	4.11E-03	1.48E-06	4.46E-06	2.58E-06	2.52E-06	2.29E-06	1.04E-06	1.03E-06	4.94E-08	1.19E-06	2.63E-07	3.42E-07	5.43E-07	9.57E-08	6.79E-08	2.55E-06	1.35E-06	5.72E-07	6.73E-07	2.64E-07	1.35E-06	5.72E-07
2852	490319.73	3859355	3.94E-03	3.84E-03	3.79E-03	1.36E-06	4.12E-06	2.38E-06	2.33E-06	2.11E-06	9.62E-07	9.49E-07	4.55E-08	1.10E-06	2.43E-07	3.16E-07	5.01E-07	8.83E-08	6.26E-08	2.36E-06	1.24E-06	5.27E-07	6.20E-07	2.44E-07	1.24E-06	5.27E-07
2853	490069.73	3859405	7.56E-03	7.38E-03	7.28E-03	2.62E-06	7.91E-06	4.58E-06	4.47E-06	4.05E-06	1.85E-06	1.82E-06	8.74E-08	2.11E-06	4.66E-07	6.06E-07	9.62E-07	1.70E-07	1.20E-07	4.52E-06	2.39E-06	1.01E-06	1.19E-06	4.68E-07	2.39E-06	1.01E-06
2854	490119.73	3859405	6.73E-03	6.57E-03	6.48E-03	2.33E-06	7.04E-06	4.07E-06	3.97E-06	3.60E-06	1.64E-06	1.62E-06	7.78E-08	1.88E-06	4.15E-07	5.40E-07	8.56E-07	1.51E-07	1.07E-07	4.03E-06	2.12E-06	9.01E-07	1.06E-06	4.17E-07	2.12E-06	9.01E-07
2855	490169.73	3859405	6.05E-03	5.90E-03	5.83E-03	2.09E-06	6.32E-06	3.66E-06	3.57E-06	3.24E-06	1.48E-06	1.46E-06	6.99E-08	1.69E-06	3.73E-07	4.85E-07	7.70E-07	1.36E-07	9.62E-08	3.62E-06	1.91E-06	8.10E-07	9.53E-07	3.74E-07	1.91E-06	8.10E-07
2856	490219.73	3859405	5.49E-03	5.35E-03	5.28E-03	1.90E-06	5.73E-06	3.32E-06	3.24E-06	2.94E-06	1.34E-06	1.32E-06	6.34E-08	1.53E-06	3.38E-07	4.40E-07	6.98E-07	1.23E-07	8.72E-08	3.28E-06	1.73E-06	7.35E-07	8.64E-07	3.40E-07	1.73E-06	7.35E-07
2857	490269.73	3859405	4.99E-03	4.87E-03	4.81E-03	1.73E-06	5.22E-06	3.02E-06	2.95E-06	2.67E-06	1.22E-06	1.20E-06	5.77E-08	1.39E-06	3.07E-07	4.00E-07	6.35E-07	1.12E-07	7.93E-08	2.98E-06	1.58E-06	6.68E-07	7.86E-07	3.09E-07	1.58E-06	6.68E-07
2858	490319.73	3859405	4.57E-03	4.46E-03	4.40E-03	1.58E-06	4.78E-06	2.76E-06	2.70E-06	2.45E-06	1.12E-06	1.10E-06	5.28E-08	1.28E-06	2.82E-07	3.66E-07	5.81E-07	1.02E-07	7.26E-08	2.73E-06	1.44E-06	6.12E-07	7.20E-07	2.83E-07	1.44E-06	6.12E-07
2859	490161.89	3859542	1.37E-02	1.34E-02	1.32E-02	4.76E-06	1.44E-05	8.32E-06	8.11E-06	7.36E-06	3.36E-06	3.31E-06	1.59E-07	3.84E-06	8.47E-07	1.10E-06	1.75E-06	3.08E-07	2.18E-07	8.22E-06	4.34E-06	1.84E-06	2.16E-06	8.51E-07	4.34E-06	1.84E-06
2860	490171.89	3859542	1.33E-02	1.29E-02	1.28E-02	4.59E-06	1.39E-05	8.02E-06	7.83E-06	7.10E-06	3.24E-06	3.20E-06	1.53E-07	3.70E-06	8.17E-07	1.06E-06	1.69E-06	2.97E-07	2.11E-07	7.93E-06	4.18E-06	1.78E-06	2.09E-06	8.21E-07	4.18E-06	1.78E-06
2861	490161.89	3859552	1.52E-02	1.48E-02	1.46E-02	5.25E-06	1.59E-05	9.18E-06	8.96E-06	8.12E-06	3.71E-06	3.66E-06	1.75E-07	4.24E-06	9.35E-07	1.22E-06	1.93E-06	3.40E-07	2.41E-07	9.08E-06	4.79E-06	2.03E-06	2.39E-06	9.39E-07	4.79E-06	2.03E-06
2862	490171.89	3859552	1.46E-02	1.42E-02	1.41E-02	5.05E-06	1.53E-05	8.83E-06	8.62E-06	7.81E-06	3.57E-06	3.52E-06	1.69E-07	4.08E-06	8.99E-07	1.17E-06	1.86E-06	3.27E-07	2.32E-07	8.73E-06	4.61E-06	1.95E-06	2.30E-06	9.03E-07	4.61E-06	1.95E-06
2863	489799.72	3859348	1.30E-02	1.27E-02	1.25E-02	4.50E-06	1.36E-05	7.87E-06	7.68E-06	6.96E-06	3.18E-06	3.13E-06	1.50E-07	3.63E-06	8.02E-07	1.04E-06	1.65E-06	2.92E-07	2.07E-07	7.78E-06	4.11E-06	1.74E-06	2.05E-06	8.05E-07	4.11E-06	1.74E-06
2864	489819.72	3859348	1.20E-02	1.17E-02	1.15E-02	4.14E-06	1.25E-05	7.23E-06	7.06E-06	6.40E-06	2.92E-06	2.88E-06	1.38E-07	3.34E-06	7.36E-07	9.58E-07	1.52E-06	2.68E-07	1.90E-07	7.15E-06	3.77E-06	1.60E-06	1.88E-06	7.40E-07	3.77E-06	1.60E-06
2865	489799.72	3859368	1.55E-02	1.51E-02	1.49E-02	5.37E-06	1.62E-05	9.38E-06	9.15E-06	8.30E-06	3.79E-06	3.74E-06	1.79E-07	4.33E-06	9.55E-07	1.24E-06	1.97E-06	3.47E-07	2.46E-07	9.27E-06	4.89E-06	2.08E-06	2.44E-06	9.59E-07	4.89E-06	2.08E-06
2866	489819.72	3859368	1.40E-02	1.37E-02	1.35E-02	4.86E-06	1.47E-05	8.49E-06	8.29E-06	7.51E-06	3.43E-06	3.38E-06	1.62E-07	3.92E-06	8.65E-07	1.13E-06	1.78E-06	3.15E-07	2.23E-07	8.39E-06	4.43E-06	1.88E-06	2.21E-06	8.69E-07	4.43E-06	1.88E-06
2867	489775.41	3859330	1.25E-02	1.22E-02	1.20E-02	4.33E-06	1.31E-05	7.56E-06	7.38E-06	6.69E-06	3.05E-06	3.01E-06	1.44E-07	3.49E-06	7.70E-07	1.00E-06	1.59E-06	2.80E-07	1.99E-07	7.47E-06	3.94E-06	1.67E-06	1.97E-06	7.73E-07	3.94E-06	1.67E-06
2868	489795.41	3859330	1.15E-02	1.12E-02	1.11E-02	3.98E-06	1.20E-05	6.96E-06	6.80E-06	6.16E-06	2.81E-06	2.77E-06	1.33E-07	3.21E-06	7.09E-07	9.23E-07	1.46E-06	2.58E-07	1.83E-07	6.88E-06	3.63E-06	1.54E-06	1.81E-06	7.12E-07	3.63E-06	1.54E-06
2869	489775.41	3859350	1.48E-02	1.44E-02	1.42E-02	5.12E-06	1.55E-05	8.94E-06	8.73E-06	7.91E-06	3.61E-06	3.56E-06	1.71E-07	4.13E-06	9.11E-07	1.18E-06	1.88E-06	3.31E-07	2.35E-07	8.84E-06	4.67E-06	1.98E-06	2.33E-06	9.15E-07	4.67E-06	1.98E-06
2870	489795.41	3859350	1.34E-02	1.31E-02	1.29E-02	4.65E-06	1.40E-05	8.13E-06	7.93E-06	7.19E-06	3.28E-06	3.24E-06	1.55E-07	3.75E-06	8.27E-07	1.08E-06	1.71E-06	3.01E-07	2.13E-07	8.03E-06	4.24E-06	1.80E-06	2.12E-06	8.31E-07	4.24E-06	1.80E-06
2871	489595.05	3859219	1.15E-02	1.12E-02	1.11E-02	3.98E-06	1.20E-05	6.95E-06	6.78E-06	6.15E-06	2.80E-06	2.77E-06	1.33E-07	3.21E-06	7.08E-07	9.21E-07	1.46E-06	2.57E-07	1.83E-07	6.87E-06	3.62E-06	1.54E-06	1.81E-06	7.11E-07	3.62E-06	1.54E-06
2872	489615.05	3859219	1.06E-02	1.04E-02	1.02E-02	3.67E-06	1.11E-05	6.42E-06	6.27E-06	5.68E-06	2.59E-06	2.56E-06	1.23E-07	2.96E-06	6.54E-07	8.51E-07	1.35E-06	2.38E-07	1.69E-07	6.35E-06	3.35E-06	1.42E-06	1.67E-06	6.57E-07	3.35E-06	1.42E-06
2873	489595.05	3859239	1.34E-02	1.31E-02	1.29E-02	4.64E-06	1.40E-05	8.11E-06	7.92E-06	7.18E-06	3.27E-06	3.23E-06	1.55E-07	3.74E-06	8.26E-07	1.07E-06	1.71E-06	3.01E-07	2.13E-07	8.02E-06	4.23E-06	1.80E-06	2.11E-06	8.30E-07	4.23E-06	1.80E-06
2874	489615.05	3859239	1.23E-02	1.20E-02	1.18E-02	4.24E-06	1.28E-05	7.42E-06	7.24E-06	6.56E-06	2.99E-06	2.95E-06	1.42E-07	3.42E-06	7.55E-07	9.83E-07	1.56E-06	2.75E-07	1.95E-07	7.33E-06	3.87E-06	1.64E-06	1.93E-06	7.59E-07	3.87E-06	1.64E-06
2875	489372.4	3859093	1.13E-02	1.10E-02	1.09E-02	3.92E-06	1.18E-05	6.85E-06	6.69E-06	6.06E-06	2.77E-06	2.73E-06	1.31E-07	3.16E-06	6.98E-07	9.08E-07	1.44E-06	2.54E-07	1.80E-07	6.77E-06	3.57E-06	1.52E-06	1.78E-06	7.01E-07	3.57E-06	1.52E-06
2876	489422.4	3859093	9.42E-03	9.19E-03	9.07E-03	3.26E-06	9.85E-06	5.70E-06	5.56E-06	5.04E-06	2.30E-06	2.27E-06	1.09E-07	2.63E-06	5.80E-07	7.55E-07	1.20E-06	2.11E-07	1.50E-07	5.63E-06	2.97E-06	1.26E-06	1.48E-06	5.83E-07	2.97E-06	1.26E-06
2877	489372.4	3859143	1.74E-02	1.70E-02	1.68E-02	6.03E-06	1.82E-05	1.05E-05	1.03E-05	9.32E-06	4.25E-06	4.20E-06	2.01E-07	4.86E-06	1.07E-06	1.40E-06	2.21E-06	3.90E-07	2.77E-07	1.04E-05	5.50E-06	2.33E-06	2.74E-06	1.08E-06	5.50E-06	2.33E-06
2878	489422.4	3859143	1.34E-02	1.31E-02	1.29E-02	4.65E-06	1.40E-05	8.12E-06	7.93E-06	7.18E-06	3.28E-06	3.23E-06	1.55E-07	3.75E-06	8.27E-07	1.08E-06	1.71E-06	3.01E-07	2.13E-07	8.03E-06	4.24E-06	1.80E-06	2.11E-06	8.31E-07	4.24E-06	1.80E-06
2879	488870.84	3858667	6.24E-03	6.09E-03	6.01E-03	2.16E-06	6.52E-06	3.78E-06	3.68E-06	3.34E-06	1.52E-06	1.50E-06	7.21E-08	1.74E-06	3.84E-07	5.00E-07	7.94E-07	1.40E-07	9.92E-08	3.73E-06	1.97E-06	8.36E-07	9.83E-07	3.86E-07	1.97E-06	8.36E-07

2880	488900.84	3858667	5.80E-03	5.65E-03	5.58E-03	2.01E-06	6.06E-06	3.51E-06	3.42E-06	3.10E-06	1.42E-06	1.40E-06	6.70E-08	1.62E-06	3.57E-07	4.65E-07	7.37E-07	1.30E-07	9.21E-08	3.47E-06	1.83E-06	7.76E-07	9.13E-07	3.59E-07	1.83E-06	7.76E-07
2881	488870.84	3858697	7.03E-03	6.86E-03	6.77E-03	2.43E-06	7.35E-06	4.25E-06	4.15E-06	3.76E-06	1.72E-06	1.69E-06	8.12E-08	1.96E-06	4.33E-07	5.63E-07	8.94E-07	1.58E-07	1.12E-07	4.20E-06	2.22E-06	9.41E-07	1.11E-06	4.35E-07	2.22E-06	9.41E-07
2882	488900.84	3858697	6.47E-03	6.31E-03	6.23E-03	2.24E-06	6.76E-06	3.92E-06	3.82E-06	3.46E-06	1.58E-06	1.56E-06	7.48E-08	1.81E-06	3.99E-07	5.19E-07	8.23E-07	1.45E-07	1.03E-07	3.87E-06	2.04E-06	8.67E-07	1.02E-06	4.00E-07	2.04E-06	8.67E-07
2883	488889.67	3858684	6.34E-03	6.19E-03	6.10E-03	2.19E-06	6.63E-06	3.84E-06	3.74E-06	3.39E-06	1.55E-06	1.53E-06	7.33E-08	1.77E-06	3.91E-07	5.08E-07	8.06E-07	1.42E-07	1.01E-07	3.79E-06	2.00E-06	8.49E-07	9.99E-07	3.92E-07	2.00E-06	8.49E-07
2884	488919.67	3858684	5.89E-03	5.75E-03	5.67E-03	2.04E-06	6.16E-06	3.56E-06	3.48E-06	3.15E-06	1.44E-06	1.42E-06	6.81E-08	1.64E-06	3.63E-07	4.72E-07	7.49E-07	1.32E-07	9.36E-08	3.52E-06	1.86E-06	7.89E-07	9.28E-07	3.65E-07	1.86E-06	7.89E-07
2885	488889.67	3858714	7.18E-03	7.00E-03	6.91E-03	2.48E-06	7.50E-06	4.34E-06	4.24E-06	3.84E-06	1.75E-06	1.73E-06	8.30E-08	2.00E-06	4.42E-07	5.75E-07	9.13E-07	1.61E-07	1.14E-07	4.29E-06	2.27E-06	9.61E-07	1.13E-06	4.44E-07	2.27E-06	9.61E-07
2886	488919.67	3858714	6.60E-03	6.44E-03	6.36E-03	2.29E-06	6.90E-06	4.00E-06	3.90E-06	3.53E-06	1.61E-06	1.59E-06	7.63E-08	1.84E-06	4.07E-07	5.29E-07	8.40E-07	1.48E-07	1.05E-07	3.95E-06	2.08E-06	8.84E-07	1.04E-06	4.09E-07	2.08E-06	8.84E-07
2887	488906.61	3858703	6.55E-03	6.39E-03	6.30E-03	2.27E-06	6.84E-06	3.96E-06	3.87E-06	3.50E-06	1.60E-06	1.58E-06	7.57E-08	1.83E-06	4.03E-07	5.25E-07	8.33E-07	1.47E-07	1.04E-07	3.92E-06	2.07E-06	8.77E-07	1.03E-06	4.05E-07	2.07E-06	8.77E-07
2888	488936.61	3858703	6.07E-03	5.92E-03	5.84E-03	2.10E-06	6.34E-06	3.67E-06	3.58E-06	3.25E-06	1.48E-06	1.46E-06	7.01E-08	1.69E-06	3.74E-07	4.86E-07	7.71E-07	1.36E-07	9.64E-08	3.63E-06	1.91E-06	8.12E-07	9.56E-07	3.75E-07	1.91E-06	8.12E-07
2889	488906.61	3858733	7.45E-03	7.27E-03	7.17E-03	2.58E-06	7.78E-06	4.51E-06	4.40E-06	3.99E-06	1.82E-06	1.79E-06	8.61E-08	2.08E-06	4.59E-07	5.97E-07	9.47E-07	1.67E-07	1.18E-07	4.45E-06	2.35E-06	9.97E-07	1.17E-06	4.61E-07	2.35E-06	9.97E-07
2890	488936.61	3858733	6.84E-03	6.67E-03	6.59E-03	2.37E-06	7.15E-06	4.14E-06	4.04E-06	3.66E-06	1.67E-06	1.65E-06	7.91E-08	1.91E-06	4.21E-07	5.48E-07	8.70E-07	1.53E-07	1.09E-07	4.09E-06	2.16E-06	9.16E-07	1.08E-06	4.23E-07	2.16E-06	9.16E-07
2891	488637.63	3858468	5.88E-03	5.73E-03	5.66E-03	2.03E-06	6.14E-06	3.56E-06	3.47E-06	3.15E-06	1.44E-06	1.42E-06	6.79E-08	1.64E-06	3.62E-07	4.71E-07	7.47E-07	1.32E-07	9.34E-08	3.51E-06	1.85E-06	7.87E-07	9.26E-07	3.64E-07	1.85E-06	7.87E-07
2892	488662.63	3858468	5.51E-03	5.37E-03	5.30E-03	1.91E-06	5.75E-06	3.33E-06	3.25E-06	2.95E-06	1.34E-06	1.33E-06	6.36E-08	1.54E-06	3.39E-07	4.41E-07	7.00E-07	1.23E-07	8.75E-08	3.29E-06	1.74E-06	7.37E-07	8.67E-07	3.41E-07	1.74E-06	7.37E-07
2893	488637.63	3858493	6.43E-03	6.27E-03	6.19E-03	2.22E-06	6.72E-06	3.89E-06	3.79E-06	3.44E-06	1.57E-06	1.55E-06	7.43E-08	1.79E-06	3.96E-07	5.15E-07	8.17E-07	1.44E-07	1.02E-07	3.84E-06	2.03E-06	8.61E-07	1.01E-06	3.98E-07	2.03E-06	8.61E-07
2894	488662.63	3858493	5.98E-03	5.83E-03	5.75E-03	2.07E-06	6.25E-06	3.62E-06	3.53E-06	3.20E-06	1.46E-06	1.44E-06	6.91E-08	1.67E-06	3.68E-07	4.79E-07	7.60E-07	1.34E-07	9.50E-08	3.57E-06	1.89E-06	8.00E-07	9.42E-07	3.70E-07	1.89E-06	8.00E-07
2895	488687.63	3858493	5.59E-03	5.45E-03	5.38E-03	1.93E-06	5.84E-06	3.38E-06	3.30E-06	2.99E-06	1.36E-06	1.35E-06	6.46E-08	1.56E-06	3.44E-07	4.48E-07	7.11E-07	1.25E-07	8.88E-08	3.34E-06	1.76E-06	7.48E-07	8.80E-07	3.46E-07	1.76E-06	7.48E-07
2896	488637.63	3858518	7.10E-03	6.93E-03	6.84E-03	2.46E-06	7.42E-06	4.30E-06	4.19E-06	3.80E-06	1.73E-06	1.71E-06	8.21E-08	1.98E-06	4.38E-07	5.69E-07	9.03E-07	1.59E-07	1.13E-07	4.25E-06	2.24E-06	9.51E-07	1.12E-06	4.40E-07	2.24E-06	9.51E-07
2897	488662.63	3858518	6.55E-03	6.39E-03	6.30E-03	2.27E-06	6.84E-06	3.96E-06	3.86E-06	3.50E-06	1.60E-06	1.58E-06	7.57E-08	1.83E-06	4.03E-07	5.25E-07	8.32E-07	1.47E-07	1.04E-07	3.91E-06	2.07E-06	8.77E-07	1.03E-06	4.05E-07	2.07E-06	8.77E-07
2898	488687.63	3858518	6.08E-03	5.93E-03	5.86E-03	2.11E-06	6.36E-06	3.68E-06	3.59E-06	3.26E-06	1.49E-06	1.47E-06	7.03E-08	1.70E-06	3.75E-07	4.88E-07	7.73E-07	1.36E-07	9.67E-08	3.64E-06	1.92E-06	8.14E-07	9.58E-07	3.76E-07	1.92E-06	8.14E-07
2899	488194.42	3857169	1.47E-03	1.44E-03	1.42E-03	5.10E-07	1.54E-06	8.91E-07	8.70E-07	7.89E-07	3.60E-07	3.55E-07	1.70E-08	4.11E-07	9.08E-08	1.18E-07	1.87E-07	3.30E-08	2.34E-08	8.81E-07	4.65E-07	1.97E-07	2.32E-07	9.12E-08	4.65E-07	1.97E-07
2900	488244.42	3857169	1.44E-03	1.40E-03	1.38E-03	4.98E-07	1.50E-06	8.70E-07	8.49E-07	7.70E-07	3.51E-07	3.47E-07	1.66E-08	4.02E-07	8.86E-08	1.15E-07	1.83E-07	3.22E-08	2.29E-08	8.60E-07	4.54E-07	1.93E-07	2.27E-07	8.90E-08	4.54E-07	1.93E-07
2901	488294.42	3857169	1.40E-03	1.37E-03	1.35E-03	4.86E-07	1.47E-06	8.49E-07	8.28E-07	7.51E-07	3.43E-07	3.38E-07	1.62E-08	3.92E-07	8.65E-08	1.12E-07	1.78E-07	3.14E-08	2.23E-08	8.39E-07	4.43E-07	1.88E-07	2.21E-07	8.68E-08	4.43E-07	1.88E-07
2902	488244.42	3857219	1.49E-03	1.45E-03	1.43E-03	5.14E-07	1.55E-06	8.99E-07	8.77E-07	7.95E-07	3.63E-07	3.58E-07	1.72E-08	4.15E-07	9.16E-08	1.19E-07	1.89E-07	3.33E-08	2.36E-08	8.89E-07	4.69E-07	1.99E-07	2.34E-07	9.20E-08	4.69E-07	1.99E-07
2903	488294.42	3857219	1.45E-03	1.41E-03	1.40E-03	5.02E-07	1.51E-06	8.77E-07	8.56E-07	7.76E-07	3.54E-07	3.49E-07	1.68E-08	4.05E-07	8.93E-08	1.16E-07	1.84E-07	3.25E-08	2.30E-08	8.67E-07	4.57E-07	1.94E-07	2.28E-07	8.97E-08	4.57E-07	1.94E-07
2904	488294.42	3857269	1.50E-03	1.46E-03	1.44E-03	5.19E-07	1.57E-06	9.07E-07	8.86E-07	8.03E-07	3.66E-07	3.61E-07	1.73E-08	4.19E-07	9.24E-08	1.20E-07	1.91E-07	3.36E-08	2.38E-08	8.97E-07	4.73E-07	2.01E-07	2.36E-07	9.28E-08	4.73E-07	2.01E-07
2905	488139.13	3857112	1.46E-03	1.42E-03	1.41E-03	5.05E-07	1.53E-06	8.83E-07	8.62E-07	7.81E-07	3.56E-07	3.52E-07	1.69E-08	4.08E-07	8.99E-08	1.17E-07	1.86E-07	3.27E-08	2.32E-08	8.73E-07	4.61E-07	1.95E-07	2.30E-07	9.03E-08	4.61E-07	1.95E-07
2906	488189.13	3857112	1.42E-03	1.39E-03	1.37E-03	4.93E-07	1.49E-06	8.62E-07	8.41E-07	7.63E-07	3.48E-07	3.43E-07	1.65E-08	3.98E-07	8.78E-08	1.14E-07	1.81E-07	3.19E-08	2.26E-08	8.52E-07	4.50E-07	1.91E-07	2.24E-07	8.82E-08	4.50E-07	1.91E-07
2907	488189.13	3857162	1.47E-03	1.43E-03	1.42E-03	5.09E-07	1.54E-06	8.90E-07	8.68E-07	7.87E-07	3.59E-07	3.54E-07	1.70E-08	4.11E-07	9.06E-08	1.18E-07	1.87E-07	3.30E-08	2.34E-08	8.79E-07	4.64E-07	1.97E-07	2.32E-07	9.10E-08	4.64E-07	1.97E-07
2908	487951.04	3856961	1.46E-03	1.42E-03	1.41E-03	5.05E-07	1.53E-06	8.83E-07	8.62E-07	7.81E-07	3.57E-07	3.52E-07	1.69E-08	4.08E-07	9.00E-08	1.17E-07	1.86E-07	3.27E-08	2.32E-08	8.73E-07	4.61E-07	1.96E-07	2.30E-07	9.04E-08	4.61E-07	1.96E-07
2909	488001.04	3856961	1.42E-03	1.39E-03	1.37E-03	4.92E-07	1.49E-06	8.61E-07	8.40E-07	7.61E-07	3.47E-07	3.43E-07	1.64E-08	3.97E-07	8.76E-08	1.14E-07	1.81E-07	3.19E-08	2.26E-08	8.51E-07	4.49E-07	1.90E-07	2.24E-07	8.80E-08	4.49E-07	1.90E-07
2910	488051.04	3856961	1.39E-03	1.35E-03	1.33E-03	4.80E-07	1.45E-06	8.38E-07	8.18E-07	7.41E-07	3.38E-07	3.34E-07	1.60E-08	3.87E-07	8.54E-08	1.11E-07	1.76E-07	3.10E-08	2.20E-08	8.28E-07	4.37E-07	1.86E-07	2.18E-07	8.57E-08	4.37E-07	1.86E-07
2911	488101.04	3856961	1.35E-03	1.32E-03	1.30E-03	4.69E-07	1.42E-06	8.20E-07	8.00E-07	7.25E-07	3.31E-07	3.27E-07	1.57E-08	3.78E-07	8.35E-08	1.09E-07	1.72E-07	3.04E-08	2.15E-08	8.10E-07	4.28E-07	1.81E-07	2.13E-07	8.39E-08	4.28E-07	1.81E-07
2912	487951.04	3857011	1.51E-03	1.48E-03	1.46E-03	5.24E-07	1.58E-06	9.16E-07	8.93E-07	8.10E-07	3.70E-07	3.65E-07	1.75E-08	4.22E-07	9.32E-08	1.21E-07	1.92E-07	3.39E-08	2.41E-08	9.05E-07	4.78E-07	2.03E-07	2.38E-07	9.36E-08	4.78E-07	2.03E-07
2913	488001.04	3857011	1.47E-03	1.43E-03	1.41E-03	5.09E-07	1.54E-06	8.89E-07	8.68E-07	7.87E-07	3.59E-07	3.54E-07	1.70E-08	4.10E-07	9.05E-08	1.18E-07	1.87E-07	3.29E-08	2.34E-08	8.79E-07	4.64E-07	1.97E-07	2.31E-07	9.09E-08	4.64E-07	1.97E-07
2914	488051.04	3857011	1.43E-03	1.39E-03	1.38E-03	4.95E-07	1.49E-06	8.65E-07	8.44E-07	7.65E-07	3.49E-07	3.44E-07	1.65E-08	3.99E-07	8.81E-08	1.15E-07	1.82E-07	3.20E-08	2.27E-08	8.55E-07	4.51E-07	1.91E-07	2.25E-07	8.85E-08	4.51E-07	1.91E-07
2915	488101.04	3857011	1.40E-03	1.36E-03	1.34E-03	4.83E-07	1.46E-06	8.45E-07	8.24E-07	7.47E-07	3.41E-07	3.36E-07	1.61E-08	3.90E-07	8.60E-08	1.12E-07	1.78E-07	3.13E-08	2.22E-08	8.35E-07	4.41E-07	1.87E-07	2.20E-07	8.64E-08	4.41E-07	1.87E-07
2916	488001.04	3857061	1.52E-03	1.48E-03	1.46E-03	5.27E-07	1.59E-06	9.21E-07	8.98E-07	8.14E-07	3.72E-07	3.67E-07	1.76E-08	4.25E-07	9.37E-08	1.22E-07	1.93E-07	3.41E-08	2.42E-08	9.10E-07	4.80E-07	2.04E-07	2.40E-07	9.42E-08	4.80E-07	2.04E-07
2917	488051.04	3857061	1.48E-03	1.44E-03	1.42E-03	5.12E-07	1.55E-06	8.95E-07	8.74E-07	7.92E-07	3.61E-07	3.57E-07	1.71E-08	4.13E-07	9.12E-08	1.19E-07	1.88E-07	3.32E-08	2.35E-08	8.85E-07	4.67E-07	1.98E-07	2.33E-07	9.16E-08	4.67E-07	1.98E-07
2918	488101.04	3857061	1.44E-03	1.41E-03	1.39E-03	4.99E-07	1.51E-06	8.72E-07	8.51E-07	7.72E-07	3.52E-07	3.47E-07	1.67E-08	4.03E-07	8.88E-08	1.16E-07	1.83E-07	3.23E-08	2.29E-08	8.62E-07	4.55E-07	1.93E-07	2.27E-07	8.92E-08	4.55E-07	1.93E-07
2919	487638.98	3856674	1.43E-03	1.39E-03	1.37E-03	4.94E-07	1.49E-06	8.64E-07	8.43E-07	7.64E-07	3.49E-07	3.44E-07	1.65E-08	3.99E-07	8.80E-08	1.14E-07	1.82E-07	3.20E-08	2.27E-08	8.54E-07	4.51E-07	1.91E-07	2.25E-07	8.84E-08	4.51E-07	1.91E-07
2920	487688.98	3856674	1.39E-03	1.36E-03	1.34E-03	4.81E-07	1.45E-06	8.40E-07	8.20E-07	7.43E-07	3.39E-07	3.35E-07	1.61E-08	3.88E-07	8.56E-08	1.11E-07	1.77E-07	3.11E-08	2.21E-08	8.31E-07	4.38E-07	1.86E-07	2.19E-07	8.60E-08	4.38E-07	1.86E-07
2921	487638.98	3856724	1.48E-03	1.44E-03	1.42E-03	5.12E-07	1.55E-06	8.95E-07	8.73E-07	7.91E-07	3.61E-07	3.56E-07	1.71E-08	4.13E-07	9.11E-08	1.19E-07	1.88E-07	3.31E-08	2.35E-08	8.84E-07	4.67E-07	1.98E-07	2.33E-07	9.15E-08	4.67E-07	1.98E-07
2922	487688.98	3856724	1.44E-03	1.40E-03	1.38E-03	4.97E-07	1.50E-06	8.69E-07	8.48E-07	7.69E-07	3.51E-07	3.46E-07	1.66E-08	4.01E-07	8.85E-08	1.15E-07	1.83E-07	3.22E-08	2.28E-08	8.59E-07	4.53E-07	1.92E-07	2.26E-07	8.89E-08	4.53E-07	1.92E-07
2923	486324.61	3855741	1.59E-03	1.55E-03	1.53E-03	5.51E-07	1.66E-06	9.64E-07	9.40E-07	8.52E-07	3.89E-07	3.84E-07	1.84E-08	4.45E-07	9.81E-08	1.28E-07	2.03E-07	3.57E-08	2.53E-08	9.52E-07	5.03E-07	2.13E-07	2.51E-07	9.86E-08	5.03E-07	2.13E-07
2924	486374.61	3855741	1.50E-03	1.47E-03	1.45E-03	5.20E-07	1.57E-06	9.10E-07	8.88E-07	8.05E-07	3.67E-07	3.62E-07	1.74E-08	4.20E-07	9.26E-08	1.21E-07	1.91E-07	3.37E-08	2.39E-08	8.99E-07	4.75E-07	2.01E-07	2.37E-07	9.31E-08	4.75E-07	2.01E-07
2925	486424.61	3855741	1.44E-03	1.41E-03	1.39E-03	4.99E-07	1.51E-06	8.73E-07	8.52E-07	7.72E-07	3.52E-07	3.48E-07	1.67E-08	4.03E-07	8.89E-08	1.16E-07	1.83E-07	3.23E-08	2.29E-08	8.63E-07	4.55E-07	1.93E-07	2.27E-07	8.93E-08	4.55E-07	1.93E-07
2926	486324.61	3855791	1.67E-03	1.63E-03	1.60E-03	5.76E-07	1.74E-06	1.01E-06	9.83E-07	8.91E-07	4.07E-07	4.01E-07	1.93E-08	4.65E-07	1.03E-07	1.33E-07	2.12E-07	3.73E-08	2.65E-08	9.96E-07	5.26E-07	2.23E-07	2.62E-07	1.03E-07	5.26E-07	2.23E-07
2927	486374.61	3855791	1.57E-03	1.53E-03	1.51E-03	5.44E-07	1.64E-06	9.50E-07	9.27E-07	8.41E-07	3.84E-07	3.79E-07	1.82E-08	4.39E-07	9.68E-08	1.26E-07	2.00E-07	3.52E-08	2.50E-08	9.39E-07	4.96E-07	2.10E-07	2.47E-07	9.72E-08	4.96E-07	2.10E-07
2928	486424.61	3855791	1.51E-03	1.48E-03	1.46E-03	5.23E-07	1.58E-06	9.15E-07	8.93E-07	8.09E-07	3.69E-07	3.64E-07	1.75E-08	4.22E-07	9.32E-08	1.21E-07	1.92E-07	3.39E-08	2.40E-08	9.04E-07	4.77E-07	2.03E-07	2.38E-07	9.36E-08	4.77E-07	2.03E-07
2929	486324.61	3855841	1.75E-03	1.71E-03	1.68E-03	6.05E-07	1.83E-06	1.06E-06	1.03E-06	9.35E-07	4.27E-07	4.21E-07	2.02E-08	4.88E-07	1.08E-07	1.40E-07	2.22E-07	3.92E-08	2.78E-08	1.05E-06	5.52E-07	2.34E-07	2.75E-07	1.08E-07	5.52E-07	2.34E-07
2930	486374.61	3855841	1.67E-03	1.63E-03	1.61E-03	5.77E-07	1.74E-06	1.01E-06	9.85E-07	8.93E-07	4.07E-07	4.02E-07	1.93E-08	4.66E-07	1.03E-07	1.34E-07	2.12E-07	3.74E-08	2.65E-08	9.98E-07	5.27E-07	2.23E-07	2.63E-07	1.03E-07	5.27E-07	2.23E-07
2931	486424.61	3855841	1.59E-03	1.55E-03	1.53E-03	5.51E-07	1.66E-06	9.63E-07	9.39E-07	8.52E-07	3.89E-07	3.83E-07	1.84E-08	4.44E-07	9.80E-08	1.28E-07	2.02E-07	3.57E-08	2.53E-08	9.52E-07	5.02E-07	2.13E-07	2.51E-07	9.85E-08	5.02E-07	2.13E-07
2932	486324.61	3855891	1.87E-03	1.83E-03	1.80E-03	6.47E-07	1.95E-06	1.13E-06	1.10E-06	1.00E-06	4.57E-07	4.51E-07	2.16E-08	5.22E-07	1.15E-07	1.50E-07	2.38E-07	4.19E-08	2.97E-08	1.12E-06	5.90E-07	2.50E-07	2.95E-07	1.16E-07	5.90E-07	2.50E-07
2933	486374.61	3855891	1.77E-03	1.73E-03	1.71E-03	6.14E-07	1.85E-06	1.07E-06	1.05E-06	9.50E-07	4.33E-07	4.28E-07	2.05E-08	4.95E-07	1.09E-07	1.42E-07	2.26E-07	3.98E-08	2.82E-08	1.06E-06	5.60E-07	2.38E-07	2.79E-07	1.10E-07	5.60E-07	2.38E-07
2934	486424.61	3855891	1.68E-03	1.64E-03	1.62E-03	5.83E-07	1.76E-06	1.02E-06	9.94E-07	9.01E-07	4.11E-07	4.06E-07	1.95E-08	4.70E-07	1.04E-07	1.35E-07	2.14E-07	3.77E-08	2.68E-08	1.01E-06	5.31E-07	2.25E-07	2.65E-07	1.04E-07	5.31E-07	2.25E-07
2935	488735.69	3858286	3.18E-03	3.10E-03	3.06E-03	1.10E-06	3.33E-06	1.92E-06	1.88E-06	1.70E-06	7.77E-07	7.67E-07	3.68E-08	8.88E-07	1.96E-07	2.55E-07	4.05E-07	7.13E-08	5.06E-08	1.90E-06	1.00E-06	4.26E-07	5.01E-07	1.97E-07	1.00E-06	4.26E-07
2936	488765.69	3858286	3.06E-03	2.99E-03	2.95E-03	1.06E-06	3.20E-06	1.85E-06	1.81E-06	1.64E-06	7.48E-07	7.38E-07	3.54E-08	8.55E-07	1.89E-07	2.46E-07	3.90E-07	6.87E-08	4.87E-08	1.83E-06	9.67E-07	4.10E-07	4.83E-07	1.90E-07	9.67E-07	4.10E-07
2937	488735.69	3858316	3.35E-03	3.27E-03	3.23E-03	1.16E-06	3.50E-06	2.03E-06	1.98E-06	1.79E-06	8.19E-07	8.08E-07	3.87E-08	9.36E-07	2.07E-07	2.69E-07	4.26E-07	7.51E-08	5.33E-08	2.00E-06	1.06E-06	4.49E-07	5.28E-07	2.07E-07	1.06E-06	4.49E-07
2938	488765.69	3858316	3.22E-03	3.14E-03	3.10E-03	1.11E-06	3.36E-06	1.95E-06	1.90E-06	1.72E-06	7.86E-07	7.76E-07	3.72E-08	8.99E-07	1.98E-07	2.58E-07	4.09E-07	7.21E-08	5.12E-08	1.93E-06	1.02E-06	4.31E-07	5.07E-07	1.99E-07	1.02E-06	4.31E-07
2939	478676.63	3849872	3.24E-03	3.17E-03	3.12E-03	1.12E-06	3.39E-06	1.96E-06	1.92E-06	1.74E-06	7.92E-07	7.82E-07	3.75E-08	9.06E-07	2.00E-07	2.60E-07	4.13E-07	7.27E-08	5.16E-08	1.94E-06	1.02E-06	4.35E-07	5.11E-07	2.01E-07	1.02E-06	4.35E-07
2940	479326.63	3849872	1.94E-03	1.90E-03	1.87E-03	6.72E-07	2.03E-06	1.18E-06	1.15E-06	1.04E-06	4.74E-07	4.68E-07	2.24E-08	5.42E-07	1.20E-07	1.56E-07	2.47E-07	4.35E-08	3.09E-08	1.16E-06	6.13E-07	2.60E-07	3.06E-07	1.20E-07	6.13E-07	2.60E-07
2941	479376.63	3849872	1.88E-03	1.84E-03	1.81E-03	6.52E-07	1.97E-06	1.14E-06	1.11E-06	1.01E-06	4.60E-07	4.54E-07	2.18E-08	5.26E-07	1.16E-07	1.51E-07	2.40E-07	4.22E-08	2.99E-08	1.13E-06	5.94E-07	2.52E-07	2.97E-07	1.17E-07	5.94E-07	2.52E-07
2942	479426.63	3849872	1.84E-03	1.79E-03	1.77E-03	6.36E-07	1.92E-06	1.11E-06	1.09E-06	9.84E-07	4.49E-07	4.43E-07	2.12E-08	5.13E-07	1.13E-07	1.47E-07	2.34E-07	4.12E-08	2.92E-08	1.10E-06	5.80E-07	2.46E-07	2.90E-07	1.14E-07	5.80E-07	2.46E-07
2943	478726.63	3849922	3.42E-03	3.33E-03	3.29E-03	1.18E-06	3.57E-06	2.07E-06	2.02E-06	1.83E-06	8.34E-07	8.23E-07	3.95E-08	9.54E-07	2.10E-07	2.74E-07	4.34E-07	7.66E-08	5.43E-08	2.04E-06	1.08E-06	4.57E-07	5.38E-07	2.11E-07	1.08E-06	4.57E-07
2944	478776.63	3849922	3.25E-03	3.17E-03	3.13E-03	1.13E-06	3.40E-06	1.97E-06	1.92E-06	1.74E-06	7.94E-07	7.84E-07	3.76E-08	9.08E-07	2.00E-07	2.61E-07	4.14E-07	7.29E-08	5.17E-08	1.94E-06	1.03E-06	4.35E-07	5.12E-07	2.01E-07	1.03E-06	4.35E-07
2945	478826.63	3849922	3.10E-03	3.02E-03	2.98E-03	1.07E-06	3.24E-06	1.88E-06	1.83E-06	1.66E-06	7.57E-07	7.47E-07	3.58E-08	8.65E-07	1.91E-07	2.48E-07	3.94E-07	6.95E-08	4.93E-08	1.85E-06	9.78E-07	4.15E-07	4.88E-07	1.92E-07	9.78E-07	4.15E-07
2946	478976.63	3849922	2.72E-03	2.65E-03	2.61E-03	9.40E-07	2.84E-06	1.64E-06	1.60E-06	1.45E-06	6.63E-07	6.54E-07	3.14E-08	7.58E-07	1.67E-07	2.18E-07	3.45E-07	6.09E-08	4.32E-08	1.62E-06	8.57E-07	3.64E-07	4.28E-07	1.68E-07	8.57E-07	3.64E-07
2947	479026.63	3849922	2.62E-03	2.56E-03	2.52E-03	9.07E-07	2.74E-06	1.59E-06	1.55E-06	1.40E-06	6.40E-07	6.31E-07	3.03E-08	7.32E-07	1.61E-07	2.10E-07	3.33E-07	5.87E-08	4.16E-08	1.57E-06	8.27E-07	3.51E-07	4.13E-07	1.62E-07	8.27E-07	3.51E-07
2948	479076.63	3849922	2.52E-03	2.46E-03	2.43E-03	8.73E-07	2.64E-06	1.53E-06	1.49E-06	1.35E-06	6.16E-07	6.08E-07	2.92E-08	7.04E-07	1.55E-07	2.02E-07	3.21E-07	5.65E-08	4.01E-08	1.51E-06	7.96E-07	3.38E-07	3.97E-07	1.56E-07	7.96E-07	3.38E-07
2949	479126.63	3849922	2.43E-03	2.37E-03	2.34E-03	8.40E-07	2.54E-06	1.47E-06	1.43E-06	1.30E-06	5.93E-07	5.85E-07	2.81E-08	6.78E-07	1.50E-07	1.95E-07	3.09E-07	5.44E-08	3.86E-08	1.45E-06	7.66E-07	3.25E-07	3.82E-07	1.50E-07	7.66E-07	3.25E-07
2950	479176.63	3849922	2.35E-03	2.29E-03	2.26E-03	8.12E-07	2.45E-06	1.42E-06	1.38E-06	1.26E-06	5.73E-07	5.65E-07	2.71E-08	6.55E-07	1.45E-07	1.88E-07	2.98E-07	5.26E-08	3.73E-08	1.40E-06	7.40E-07	3.14E-07	3.69E-07	1.45E-07	7.40E-07	3.14E-07
2951	479226.63	3849922	2.25E-03	2.19E-03	2.17E-03	7.79E-07	2.35E-06	1.36E-06	1.33E-06	1.20E-06	5.49E-07	5.42E-07	2.60E-08	6.28E-07	1.39E-07	1.80E-07	2.86E-07	5.04E-08	3.57E-08	1.35E-06	7.10E-07	3.01E-07	3.54E-07	1.39E-07	7.10E-07	3.01E-07
2952	479276.63	3849922	2.13E-03	2.08E-03	2.05E-03	7.38E-07	2.23E-06	1.29E-06	1.26E-06	1.14E-06	5.21E-07	5.14E-07	2.47E-08	5.95E-07	1.31E-07	1.71E-07	2.71E-07	4.78E-08	3.39E-08	1.28E-06	6.73E-07	2.86E-07	3.36E-07	1.32E-07	6.73E-07	2.86E-07
2953	479326.63	3849922	2.11E-03	2.06E-03	2.03E-03	7.30E-07	2.20E-06	1.28E-06	1.24E-06	1.13E-06	5.15E-07	5.08E-07	2.44E-08	5.89E-07	1.30E-07	1.69E-07	2.68E-07	4.72E-08	3.35E-08	1.26E-06	6.65E-07	2.82E-07	3.32E-07	1.30E-07	6.65E-07	2.82E-07

2954	479376.63	3849922	2.00E-03	1.95E-03	1.93E-03	6.94E-07	2.09E-06	1.21E-06	1.18E-06	1.07E-06	4.89E-07	4.83E-07	2.32E-08	5.59E-07	1.23E-07	1.61E-07	2.55E-07	4.49E-08	3.18E-08	1.20E-06	6.32E-07	2.68E-07	3.16E-07	1.24E-07	6.32E-07	2.68E-07
2955	479426.63	3849922	1.97E-03	1.92E-03	1.90E-03	6.82E-07	2.06E-06	1.19E-06	1.16E-06	1.05E-06	4.81E-07	4.75E-07	2.28E-08	5.50E-07	1.21E-07	1.58E-07	2.50E-07	4.41E-08	3.13E-08	1.18E-06	6.22E-07	2.64E-07	3.10E-07	1.22E-07	6.22E-07	2.64E-07
2956	478726.63	3849972	3.81E-03	3.71E-03	3.67E-03	1.32E-06	3.98E-06	2.30E-06	2.25E-06	2.04E-06	9.30E-07	9.17E-07	4.40E-08	1.06E-06	2.35E-07	3.05E-07	4.84E-07	8.53E-08	6.05E-08	2.28E-06	1.20E-06	5.10E-07	6.00E-07	2.36E-07	1.20E-06	5.10E-07
2957	478776.63	3849972	3.60E-03	3.52E-03	3.47E-03	1.25E-06	3.77E-06	2.18E-06	2.13E-06	1.93E-06	8.80E-07	8.68E-07	4.16E-08	1.01E-06	2.22E-07	2.89E-07	4.58E-07	8.07E-08	5.73E-08	2.15E-06	1.14E-06	4.82E-07	5.68E-07	2.23E-07	1.14E-06	4.82E-07
2958	478826.63	3849972	3.42E-03	3.33E-03	3.29E-03	1.18E-06	3.57E-06	2.07E-06	2.02E-06	1.83E-06	8.34E-07	8.23E-07	3.95E-08	9.54E-07	2.11E-07	2.74E-07	4.34E-07	7.66E-08	5.43E-08	2.04E-06	1.08E-06	4.58E-07	5.38E-07	2.11E-07	1.08E-06	4.58E-07
2959	478976.63	3849972	2.97E-03	2.90E-03	2.86E-03	1.03E-06	3.11E-06	1.80E-06	1.75E-06	1.59E-06	7.26E-07	7.16E-07	3.44E-08	8.30E-07	1.83E-07	2.38E-07	3.78E-07	6.66E-08	4.72E-08	1.78E-06	9.38E-07	3.98E-07	4.68E-07	1.84E-07	9.38E-07	3.98E-07
2960	479026.63	3849972	2.84E-03	2.77E-03	2.74E-03	9.84E-07	2.97E-06	1.72E-06	1.68E-06	1.52E-06	6.94E-07	6.85E-07	3.29E-08	7.94E-07	1.75E-07	2.28E-07	3.61E-07	6.37E-08	4.52E-08	1.70E-06	8.97E-07	3.81E-07	4.48E-07	1.76E-07	8.97E-07	3.81E-07
2961	479076.63	3849972	2.72E-03	2.66E-03	2.62E-03	9.43E-07	2.85E-06	1.65E-06	1.61E-06	1.46E-06	6.65E-07	6.56E-07	3.15E-08	7.61E-07	1.68E-07	2.18E-07	3.46E-07	6.11E-08	4.33E-08	1.63E-06	8.60E-07	3.65E-07	4.29E-07	1.69E-07	8.60E-07	3.65E-07
2962	479126.63	3849972	2.62E-03	2.55E-03	2.52E-03	9.06E-07	2.74E-06	1.58E-06	1.55E-06	1.40E-06	6.39E-07	6.31E-07	3.03E-08	7.31E-07	1.61E-07	2.10E-07	3.33E-07	5.87E-08	4.16E-08	1.57E-06	8.26E-07	3.51E-07	4.12E-07	1.62E-07	8.26E-07	3.51E-07
2963	479176.63	3849972	2.52E-03	2.46E-03	2.43E-03	8.73E-07	2.64E-06	1.53E-06	1.49E-06	1.35E-06	6.16E-07	6.08E-07	2.91E-08	7.04E-07	1.55E-07	2.02E-07	3.21E-07	5.65E-08	4.01E-08	1.51E-06	7.96E-07	3.38E-07	3.97E-07	1.56E-07	7.96E-07	3.38E-07
2964	479226.63	3849972	2.37E-03	2.31E-03	2.28E-03	8.21E-07	2.48E-06	1.43E-06	1.40E-06	1.27E-06	5.79E-07	5.71E-07	2.74E-08	6.62E-07	1.46E-07	1.90E-07	3.02E-07	5.31E-08	3.77E-08	1.42E-06	7.48E-07	3.18E-07	3.74E-07	1.47E-07	7.48E-07	3.18E-07
2965	479276.63	3849972	2.32E-03	2.27E-03	2.24E-03	8.04E-07	2.43E-06	1.41E-06	1.37E-06	1.24E-06	5.68E-07	5.60E-07	2.69E-08	6.49E-07	1.43E-07	1.86E-07	2.96E-07	5.21E-08	3.69E-08	1.39E-06	7.33E-07	3.11E-07	3.66E-07	1.44E-07	7.33E-07	3.11E-07
2966	479326.63	3849972	2.27E-03	2.21E-03	2.18E-03	7.85E-07	2.37E-06	1.37E-06	1.34E-06	1.21E-06	5.54E-07	5.47E-07	2.62E-08	6.33E-07	1.40E-07	1.82E-07	2.88E-07	5.08E-08	3.61E-08	1.36E-06	7.16E-07	3.04E-07	3.57E-07	1.40E-07	7.16E-07	3.04E-07
2967	479376.63	3849972	2.16E-03	2.11E-03	2.08E-03	7.47E-07	2.26E-06	1.31E-06	1.27E-06	1.16E-06	5.27E-07	5.20E-07	2.50E-08	6.03E-07	1.33E-07	1.73E-07	2.75E-07	4.84E-08	3.43E-08	1.29E-06	6.81E-07	2.89E-07	3.40E-07	1.34E-07	6.81E-07	2.89E-07
2968	479426.63	3849972	2.10E-03	2.05E-03	2.02E-03	7.27E-07	2.19E-06	1.27E-06	1.24E-06	1.12E-06	5.13E-07	5.06E-07	2.43E-08	5.86E-07	1.29E-07	1.68E-07	2.67E-07	4.70E-08	3.34E-08	1.26E-06	6.62E-07	2.81E-07	3.31E-07	1.30E-07	6.62E-07	2.81E-07
2969	478726.63	3850022	4.30E-03	4.20E-03	4.14E-03	1.49E-06	4.50E-06	2.60E-06	2.54E-06	2.30E-06	1.05E-06	1.04E-06	4.97E-08	1.20E-06	2.65E-07	3.45E-07	5.47E-07	9.64E-08	6.84E-08	2.57E-06	1.36E-06	5.76E-07	6.78E-07	2.66E-07	1.36E-06	5.76E-07
2970	478776.63	3850022	4.04E-03	3.94E-03	3.89E-03	1.40E-06	4.22E-06	2.44E-06	2.39E-06	2.16E-06	9.87E-07	9.74E-07	4.67E-08	1.13E-06	2.49E-07	3.24E-07	5.14E-07	9.06E-08	6.42E-08	2.42E-06	1.28E-06	5.41E-07	6.37E-07	2.50E-07	1.28E-06	5.41E-07
2971	478826.63	3850022	3.81E-03	3.72E-03	3.67E-03	1.32E-06	3.98E-06	2.31E-06	2.25E-06	2.04E-06	9.30E-07	9.18E-07	4.40E-08	1.06E-06	2.35E-07	3.05E-07	4.84E-07	8.54E-08	6.06E-08	2.28E-06	1.20E-06	5.10E-07	6.00E-07	2.36E-07	1.20E-06	5.10E-07
2972	478976.63	3850022	3.26E-03	3.18E-03	3.14E-03	1.13E-06	3.41E-06	1.97E-06	1.92E-06	1.74E-06	7.96E-07	7.85E-07	3.77E-08	9.10E-07	2.01E-07	2.61E-07	4.14E-07	7.30E-08	5.18E-08	1.95E-06	1.03E-06	4.36E-07	5.13E-07	2.02E-07	1.03E-06	4.36E-07
2973	478726.63	3850072	4.95E-03	4.83E-03	4.77E-03	1.71E-06	5.18E-06	3.00E-06	2.92E-06	2.65E-06	1.21E-06	1.19E-06	5.73E-08	1.38E-06	3.05E-07	3.97E-07	6.30E-07	1.11E-07	7.87E-08	2.96E-06	1.56E-06	6.63E-07	7.80E-07	3.07E-07	1.56E-06	6.63E-07
2974	478776.63	3850072	4.61E-03	4.50E-03	4.44E-03	1.59E-06	4.82E-06	2.79E-06	2.72E-06	2.47E-06	1.13E-06	1.11E-06	5.33E-08	1.29E-06	2.84E-07	3.69E-07	5.86E-07	1.03E-07	7.32E-08	2.76E-06	1.45E-06	6.17E-07	7.26E-07	2.85E-07	1.45E-06	6.17E-07
2975	478826.63	3850072	4.31E-03	4.20E-03	4.15E-03	1.49E-06	4.50E-06	2.61E-06	2.54E-06	2.31E-06	1.05E-06	1.04E-06	4.98E-08	1.20E-06	2.65E-07	3.45E-07	5.48E-07	9.65E-08	6.85E-08	2.58E-06	1.36E-06	5.77E-07	6.79E-07	2.67E-07	1.36E-06	5.77E-07
2976	478876.63	3850072	4.05E-03	3.95E-03	3.90E-03	1.40E-06	4.23E-06	2.45E-06	2.39E-06	2.17E-06	9.88E-07	9.75E-07	4.68E-08	1.13E-06	2.49E-07	3.24E-07	5.15E-07	9.07E-08	6.43E-08	2.42E-06	1.28E-06	5.42E-07	6.37E-07	2.50E-07	1.28E-06	5.42E-07
2977	478976.63	3850072	3.61E-03	3.52E-03	3.48E-03	1.25E-06	3.77E-06	2.18E-06	2.13E-06	1.93E-06	8.82E-07	8.70E-07	4.17E-08	1.01E-06	2.22E-07	2.89E-07	4.59E-07	8.09E-08	5.74E-08	2.16E-06	1.14E-06	4.84E-07	5.69E-07	2.23E-07	1.14E-06	4.84E-07
2978	478726.63	3850122	5.85E-03	5.71E-03	5.63E-03	2.02E-06	6.11E-06	3.54E-06	3.45E-06	3.13E-06	1.43E-06	1.41E-06	6.76E-08	1.63E-06	3.60E-07	4.69E-07	7.44E-07	1.31E-07	9.30E-08	3.50E-06	1.85E-06	7.83E-07	9.21E-07	3.62E-07	1.85E-06	7.83E-07
2979	478776.63	3850122	5.37E-03	5.24E-03	5.17E-03	1.86E-06	5.61E-06	3.25E-06	3.17E-06	2.87E-06	1.31E-06	1.29E-06	6.21E-08	1.50E-06	3.31E-07	4.30E-07	6.83E-07	1.20E-07	8.53E-08	3.21E-06	1.69E-06	7.19E-07	8.46E-07	3.32E-07	1.69E-06	7.19E-07
2980	478826.63	3850122	4.96E-03	4.84E-03	4.78E-03	1.72E-06	5.19E-06	3.00E-06	2.93E-06	2.66E-06	1.21E-06	1.20E-06	5.74E-08	1.39E-06	3.06E-07	3.98E-07	6.31E-07	1.11E-07	7.89E-08	2.97E-06	1.57E-06	6.65E-07	7.82E-07	3.07E-07	1.57E-06	6.65E-07
2981	478876.63	3850122	4.62E-03	4.50E-03	4.44E-03	1.60E-06	4.82E-06	2.79E-06	2.73E-06	2.47E-06	1.13E-06	1.11E-06	5.34E-08	1.29E-06	2.84E-07	3.70E-07	5.87E-07	1.03E-07	7.34E-08	2.76E-06	1.46E-06	6.18E-07	7.27E-07	2.86E-07	1.46E-06	6.18E-07
2982	478976.63	3850122	4.05E-03	3.96E-03	3.90E-03	1.40E-06	4.24E-06	2.45E-06	2.39E-06	2.17E-06	9.90E-07	9.77E-07	4.69E-08	1.13E-06	2.50E-07	3.25E-07	5.16E-07	9.09E-08	6.44E-08	2.42E-06	1.28E-06	5.43E-07	6.39E-07	2.51E-07	1.28E-06	5.43E-07
2983	479026.63	3850122	3.82E-03	3.73E-03	3.68E-03	1.32E-06	4.00E-06	2.31E-06	2.26E-06	2.05E-06	9.34E-07	9.21E-07	4.42E-08	1.07E-06	2.36E-07	3.07E-07	4.86E-07	8.57E-08	6.08E-08	2.29E-06	1.21E-06	5.12E-07	6.02E-07	2.37E-07	1.21E-06	5.12E-07
2984	479076.63	3850122	3.61E-03	3.53E-03	3.48E-03	1.25E-06	3.78E-06	2.19E-06	2.13E-06	1.93E-06	8.83E-07	8.71E-07	4.18E-08	1.01E-06	2.23E-07	2.90E-07	4.60E-07	8.10E-08	5.75E-08	2.16E-06	1.14E-06	4.84E-07	5.69E-07	2.24E-07	1.14E-06	4.84E-07
2985	479126.63	3850122	3.43E-03	3.34E-03	3.30E-03	1.19E-06	3.58E-06	2.07E-06	2.02E-06	1.83E-06	8.37E-07	8.26E-07	3.96E-08	9.57E-07	2.11E-07	2.75E-07	4.36E-07	7.68E-08	5.45E-08	2.05E-06	1.08E-06	4.59E-07	5.40E-07	2.12E-07	1.08E-06	4.59E-07
2986	478776.63	3850172	6.45E-03	6.29E-03	6.21E-03	2.23E-06	6.74E-06	3.90E-06	3.81E-06	3.45E-06	1.57E-06	1.55E-06	7.45E-08	1.80E-06	3.97E-07	5.17E-07	8.20E-07	1.45E-07	1.02E-07	3.86E-06	2.04E-06	8.64E-07	1.02E-06	3.99E-07	2.04E-06	8.64E-07
2987	478826.63	3850172	5.87E-03	5.73E-03	5.65E-03	2.03E-06	6.13E-06	3.55E-06	3.46E-06	3.14E-06	1.43E-06	1.41E-06	6.78E-08	1.64E-06	3.62E-07	4.70E-07	7.46E-07	1.32E-07	9.33E-08	3.51E-06	1.85E-06	7.86E-07	9.24E-07	3.63E-07	1.85E-06	7.86E-07
2988	478876.63	3850172	5.38E-03	5.25E-03	5.18E-03	1.86E-06	5.63E-06	3.26E-06	3.18E-06	2.88E-06	1.32E-06	1.30E-06	6.22E-08	1.50E-06	3.32E-07	4.32E-07	6.85E-07	1.21E-07	8.56E-08	3.22E-06	1.70E-06	7.21E-07	8.48E-07	3.33E-07	1.70E-06	7.21E-07
2989	478976.63	3850172	4.63E-03	4.52E-03	4.46E-03	1.60E-06	4.84E-06	2.80E-06	2.73E-06	2.48E-06	1.13E-06	1.12E-06	5.35E-08	1.29E-06	2.85E-07	3.71E-07	5.89E-07	1.04E-07	7.36E-08	2.77E-06	1.46E-06	6.20E-07	7.29E-07	2.86E-07	1.46E-06	6.20E-07
2990	479026.63	3850172	4.33E-03	4.22E-03	4.17E-03	1.50E-06	4.52E-06	2.62E-06	2.55E-06	2.32E-06	1.06E-06	1.04E-06	5.00E-08	1.21E-06	2.67E-07	3.47E-07	5.50E-07	9.70E-08	6.88E-08	2.59E-06	1.37E-06	5.79E-07	6.82E-07	2.68E-07	1.37E-06	5.79E-07
2991	479076.63	3850172	4.06E-03	3.97E-03	3.91E-03	1.41E-06	4.25E-06	2.46E-06	2.40E-06	2.18E-06	9.92E-07	9.79E-07	4.70E-08	1.13E-06	2.50E-07	3.26E-07	5.17E-07	9.11E-08	6.46E-08	2.43E-06	1.28E-06	5.44E-07	6.40E-07	2.51E-07	1.28E-06	5.44E-07
2992	479126.63	3850172	3.83E-03	3.74E-03	3.69E-03	1.33E-06	4.00E-06	2.32E-06	2.26E-06	2.05E-06	9.36E-07	9.23E-07	4.43E-08	1.07E-06	2.36E-07	3.07E-07	4.87E-07	8.59E-08	6.09E-08	2.29E-06	1.21E-06	5.13E-07	6.03E-07	2.37E-07	1.21E-06	5.13E-07
2993	479176.63	3850172	3.63E-03	3.54E-03	3.49E-03	1.26E-06	3.79E-06	2.19E-06	2.14E-06	1.94E-06	8.85E-07	8.74E-07	4.19E-08	1.01E-06	2.23E-07	2.91E-07	4.61E-07	8.13E-08	5.76E-08	2.17E-06	1.14E-06	4.86E-07	5.71E-07	2.24E-07	1.14E-06	4.86E-07
2994	479226.63	3850172	3.45E-03	3.37E-03	3.32E-03	1.19E-06	3.60E-06	2.09E-06	2.04E-06	1.85E-06	8.42E-07	8.31E-07	3.99E-08	9.63E-07	2.12E-07	2.76E-07	4.39E-07	7.73E-08	5.48E-08	2.06E-06	1.09E-06	4.62E-07	5.43E-07	2.13E-07	1.09E-06	4.62E-07
2995	479276.63	3850172	3.29E-03	3.21E-03	3.17E-03	1.14E-06	3.44E-06	1.99E-06	1.94E-06	1.76E-06	8.03E-07	7.92E-07	3.80E-08	9.18E-07	2.03E-07	2.64E-07	4.18E-07	7.37E-08	5.23E-08	1.97E-06	1.04E-06	4.40E-07	5.18E-07	2.03E-07	1.04E-06	4.40E-07
2996	479326.63	3850172	3.14E-03	3.06E-03	3.02E-03	1.09E-06	3.28E-06	1.90E-06	1.85E-06	1.68E-06	7.66E-07	7.56E-07	3.63E-08	8.76E-07	1.93E-07	2.52E-07	3.99E-07	7.03E-08	4.99E-08	1.88E-06	9.90E-07	4.20E-07	4.94E-07	1.94E-07	9.90E-07	4.20E-07
2997	479376.63	3850172	2.99E-03	2.92E-03	2.88E-03	1.04E-06	3.13E-06	1.81E-06	1.77E-06	1.60E-06	7.31E-07	7.22E-07	3.46E-08	8.36E-07	1.84E-07	2.40E-07	3.81E-07	6.71E-08	4.76E-08	1.79E-06	9.45E-07	4.01E-07	4.72E-07	1.85E-07	9.45E-07	4.01E-07
2998	478676.63	3850222	1.09E-02	1.06E-02	1.05E-02	3.77E-06	1.14E-05	6.58E-06	6.42E-06	5.82E-06	2.66E-06	2.62E-06	1.26E-07	3.04E-06	6.70E-07	8.72E-07	1.38E-06	2.44E-07	1.73E-07	6.51E-06	3.43E-06	1.46E-06	1.71E-06	6.73E-07	3.43E-06	1.46E-06
2999	478726.63	3850222	9.28E-03	9.06E-03	8.94E-03	3.21E-06	9.70E-06	5.62E-06	5.48E-06	4.97E-06	2.27E-06	2.24E-06	1.07E-07	2.59E-06	5.72E-07	7.44E-07	1.18E-06	2.08E-07	1.48E-07	5.55E-06	2.93E-06	1.24E-06	1.46E-06	5.74E-07	2.93E-06	1.24E-06
3000	478976.63	3850222	5.40E-03	5.27E-03	5.20E-03	1.87E-06	5.64E-06	3.27E-06	3.19E-06	2.89E-06	1.32E-06	1.30E-06	6.24E-08	1.51E-06	3.33E-07	4.33E-07	6.86E-07	1.21E-07	8.58E-08	3.23E-06	1.70E-06	7.23E-07	8.50E-07	3.34E-07	1.70E-06	7.23E-07
3001	479026.63	3850222	4.99E-03	4.87E-03	4.80E-03	1.73E-06	5.21E-06	3.02E-06	2.94E-06	2.67E-06	1.22E-06	1.20E-06	5.77E-08	1.39E-06	3.07E-07	4.00E-07	6.34E-07	1.12E-07	7.93E-08	2.98E-06	1.57E-06	6.68E-07	7.86E-07	3.09E-07	1.57E-06	6.68E-07
3002	479076.63	3850222	4.64E-03	4.53E-03	4.47E-03	1.61E-06	4.85E-06	2.81E-06	2.74E-06	2.48E-06	1.13E-06	1.12E-06	5.36E-08	1.30E-06	2.86E-07	3.72E-07	5.90E-07	1.04E-07	7.38E-08	2.78E-06	1.46E-06	6.21E-07	7.31E-07	2.87E-07	1.46E-06	6.21E-07
3003	479126.63	3850222	4.34E-03	4.23E-03	4.18E-03	1.50E-06	4.53E-06	2.62E-06	2.56E-06	2.32E-06	1.06E-06	1.05E-06	5.01E-08	1.21E-06	2.67E-07	3.48E-07	5.52E-07	9.72E-08	6.90E-08	2.59E-06	1.37E-06	5.81E-07	6.83E-07	2.68E-07	1.37E-06	5.81E-07
3004	479176.63	3850222	4.08E-03	3.98E-03	3.92E-03	1.41E-06	4.26E-06	2.47E-06	2.41E-06	2.18E-06	9.95E-07	9.82E-07	4.71E-08	1.14E-06	2.51E-07	3.27E-07	5.18E-07	9.13E-08	6.48E-08	2.44E-06	1.29E-06	5.46E-07	6.42E-07	2.52E-07	1.29E-06	5.46E-07
3005	479226.63	3850222	3.84E-03	3.75E-03	3.70E-03	1.33E-06	4.02E-06	2.33E-06	2.27E-06	2.06E-06	9.39E-07	9.26E-07	4.44E-08	1.07E-06	2.37E-07	3.08E-07	4.89E-07	8.62E-08	6.11E-08	2.30E-06	1.21E-06	5.15E-07	6.06E-07	2.38E-07	1.21E-06	5.15E-07
3006	479276.63	3850222	3.64E-03	3.55E-03	3.50E-03	1.26E-06	3.80E-06	2.20E-06	2.15E-06	1.95E-06	8.89E-07	8.77E-07	4.21E-08	1.02E-06	2.24E-07	2.92E-07	4.63E-07	8.16E-08	5.79E-08	2.18E-06	1.15E-06	4.87E-07	5.73E-07	2.25E-07	1.15E-06	4.87E-07
3007	479326.63	3850222	3.46E-03	3.37E-03	3.33E-03	1.20E-06	3.61E-06	2.09E-06	2.04E-06	1.85E-06	8.44E-07	8.33E-07	4.00E-08	9.65E-07	2.13E-07	2.77E-07	4.40E-07	7.75E-08	5.50E-08	2.07E-06	1.09E-06	4.63E-07	5.45E-07	2.14E-07	1.09E-06	4.63E-07
3008	479376.63	3850222	3.29E-03	3.21E-03	3.17E-03	1.14E-06	3.44E-06	1.99E-06	1.94E-06	1.76E-06	8.04E-07	7.93E-07	3.80E-08	9.19E-07	2.03E-07	2.64E-07	4.18E-07	7.38E-08	5.23E-08	1.97E-06	1.04E-06	4.41E-07	5.18E-07	2.04E-07	1.04E-06	4.41E-07
3009	478676.63	3850272	1.66E-02	1.62E-02	1.60E-02	5.75E-06	1.73E-05	1.00E-05	9.80E-06	8.88E-06	4.05E-06	4.00E-06	1.92E-07	4.63E-06	1.02E-06	1.33E-06	2.11E-06	3.72E-07	2.64E-07	9.93E-06	5.24E-06	2.22E-06	2.61E-06	1.03E-06	5.24E-06	2.22E-06
3010	478726.63	3850272	1.32E-02	1.29E-02	1.27E-02	4.57E-06	1.38E-05	7.99E-06	7.79E-06	7.06E-06	3.22E-06	3.18E-06	1.53E-07	3.69E-06	8.13E-07	1.06E-06	1.68E-06	2.96E-07	2.10E-07	7.89E-06	4.17E-06	1.77E-06	2.08E-06	8.17E-07	4.17E-06	1.77E-06
3011	478976.63	3850272	6.50E-03	6.34E-03	6.26E-03	2.25E-06	6.79E-06	3.93E-06	3.84E-06	3.48E-06	1.59E-06	1.57E-06	7.51E-08	1.81E-06	4.00E-07	5.21E-07	8.26E-07	1.46E-07	1.03E-07	3.89E-06	2.05E-06	8.70E-07	1.02E-06	4.02E-07	2.05E-06	8.70E-07
3012	479026.63	3850272	5.90E-03	5.76E-03	5.68E-03	2.04E-06	6.17E-06	3.57E-06	3.49E-06	3.16E-06	1.44E-06	1.42E-06	6.82E-08	1.65E-06	3.64E-07	4.73E-07	7.51E-07	1.32E-07	9.38E-08	3.53E-06	1.86E-06	7.90E-07	9.30E-07	3.65E-07	1.86E-06	7.90E-07
3013	479076.63	3850272	5.41E-03	5.28E-03	5.21E-03	1.87E-06	5.66E-06	3.28E-06	3.20E-06	2.90E-06	1.32E-06	1.30E-06	6.26E-08	1.51E-06	3.34E-07	4.34E-07	6.89E-07	1.21E-07	8.61E-08	3.24E-06	1.71E-06	7.25E-07	8.53E-07	3.35E-07	1.71E-06	7.25E-07
3014	479126.63	3850272	5.00E-03	4.88E-03	4.82E-03	1.73E-06	5.23E-06	3.03E-06	2.95E-06	2.68E-06	1.22E-06	1.21E-06	5.78E-08	1.40E-06	3.08E-07	4.01E-07	6.36E-07	1.12E-07	7.95E-08	2.99E-06	1.58E-06	6.70E-07	7.88E-07	3.10E-07	1.58E-06	6.70E-07
3015	479176.63	3850272	4.65E-03	4.54E-03	4.48E-03	1.61E-06	4.86E-06	2.82E-06	2.75E-06	2.49E-06	1.14E-06	1.12E-06	5.38E-08	1.30E-06	2.87E-07	3.73E-07	5.92E-07	1.04E-07	7.40E-08	2.78E-06	1.47E-06	6.23E-07	7.33E-07	2.88E-07	1.47E-06	6.23E-07
3016	479226.63	3850272	4.35E-03	4.24E-03	4.19E-03	1.51E-06	4.55E-06	2.63E-06	2.57E-06	2.33E-06	1.06E-06	1.05E-06	5.03E-08	1.21E-06	2.68E-07	3.49E-07	5.53E-07	9.75E-08	6.91E-08	2.60E-06	1.37E-06	5.82E-07	6.85E-07	2.69E-07	1.37E-06	5.82E-07
3017	479276.63	3850272	4.09E-03	3.99E-03	3.93E-03	1.41E-06	4.27E-06	2.47E-06	2.41E-06	2.19E-06	9.98E-07	9.85E-07	4.72E-08	1.14E-06	2.52E-07	3.28E-07	5.20E-07	9.16E-08	6.49E-08	2.44E-06	1.29E-06	5.47E-07	6.44E-07	2.53E-07	1.29E-06	5.47E-07
3018	479326.63	3850272	3.86E-03	3.76E-03	3.71E-03	1.33E-06	4.03E-06	2.33E-06	2.28E-06	2.06E-06	9.42E-07	9.29E-07	4.46E-08	1.08E-06	2.38E-07	3.09E-07	4.90E-07	8.64E-08	6.13E-08	2.31E-06	1.22E-06	5.16E-07	6.07E-07	2.39E-07	1.22E-06	5.16E-07
3019	479376.63	3850272	3.65E-03	3.56E-03	3.51E-03	1.26E-06	3.81E-06	2.21E-06	2.15E-06	1.95E-06	8.90E-07	8.78E-07	4.21E-08	1.02E-06	2.25E-07	2.92E-07	4.64E-07	8.17E-08	5.79E-08	2.18E-06	1.15E-06	4.88E-07	5.74E-07	2.26E-07	1.15E-06	4.88E-07
3020	479053.24	3850294	6.09E-03	5.95E-03	5.87E-03	2.11E-06	6.37E-06	3.69E-06	3.60E-06	3.26E-06	1.49E-06	1.47E-06	7.04E-08	1.70E-06	3.75E-07	4.88E-07	7.75E-07	1.37E-07	9.68E-08	3.64E-06	1.92E-06	8.16E-07	9.60E-07	3.77E-07	1.92E-06	8.16E-07
3021	479103.24	3850294	5.57E-03	5.44E-03	5.37E-03	1.93E-06	5.82E-06	3.37E-06	3.29E-06	2.98E-06	1.36E-06	1.34E-06	6.44E-08	1.56E-06	3.43E-07	4.47E-07	7.09E-07	1.25E-07	8.86E-08	3.33E-06	1.76E-06	7.46E-07	8.78E-07	3.45E-07	1.76E-06	7.46E-07
3022	479153.24	3850294	5.14E-03	5.02E-03	4.95E-03	1.78E-06	5.37E-06	3.11E-06	3.03E-06	2.75E-06	1.26E-06	1.24E-06	5.94E-08	1.44E-06	3.17E-07	4.12E-07	6.54E-07	1.15E-07	8.17E-08	3.07E-06	1.62E-06	6.88E-07	8.10E-07	3.18E-07	1.62E-06	6.88E-07
3023	479203.24	3850294	4.77E-03	4.65E-03	4.59E-03	1.65E-06	4.98E-06	2.89E-06	2.82E-06	2.55E-06	1.16E-06	1.15E-06	5.51E-08	1.33E-06	2.94E-07	3.82E-07	6.06E-07	1.07E-07	7.58E-08	2.85E-06	1.50E-06	6.39E-07	7.51E-07	2.95E-07	1.50E-06	6.39E-07
3024	479253.24	3850294	4.45E-03	4.34E-03	4.29E-03	1.54E-06	4.65E-06	2.69E-06	2.63E-06	2.38E-06	1.09E-06	1.07E-06	5.14E-08	1.24E-06	2.74E-07	3.57E-07	5.66E-07	9.98E-08	7.07E-08	2.66E-06	1.40E-06	5.96E-07	7.01E-07	2.75E-07	1.40E-06	5.96E-07
3025	479303.24	3850294	4.18E-03	4.08E-03	4.02E-03	1.45E-06	4.37E-06	2.53E-06	2.47E-06	2.24E-06	1.02E-06	1.01E-06	4.83E-08	1.17E-06	2.57E-07	3.35E-07	5.31E-07	9.36E-08	6.64E-08	2.50E-06	1.32E-06	5.59E-07	6.58E-07	2.59E-07	1.32E-06	5.59E-07
3026	479353.24	3850294	3.93E-03	3.84E-03	3.79E-03	1.36E-06	4.11E-06	2.38E-06	2.32E-06	2.10E-06	9.60E-07	9.48E-07	4.55E-08	1.10E-06	2.42E-07	3.15E-07	5.00E-07	8.81E-08	6.25E-08	2.35E-06	1.24E-06	5.27E-07	6.20E-07	2.43E-07	1.24E-06	5.27E-07
3027	479153.24	3850344	6.12E-03	5.97E-03	5.89E-03	2.12E-06	6.40E-06	3.70E-06	3.61E-06	3.28E-06	1.49E-06	1.47E-06	7.07E-08	1.71E-06	3.77E-07	4.91E-07	7.78E-07	1.37E-07	9.73E-08	3.66E-06	1.93E-06	8.20E-07	9.64E-07	3.79E-07	1.93E-06	8.20E-07

3028	479203.24	3850344	5.60E-03	5.46E-03	5.39E-03	1.94E-06	5.85E-06	3.39E-06	3.30E-06	2.99E-06	1.37E-06	1.35E-06	6.47E-08	1.56E-06	3.45E-07	4.49E-07	7.12E-07	1.25E-07	8.89E-08	3.35E-06	1.77E-06	7.49E-07	8.81E-07	3.46E-07	1.77E-06	7.49E-07
3029	479253.24	3850344	5.16E-03	5.04E-03	4.97E-03	1.79E-06	5.40E-06	3.12E-06	3.05E-06	2.76E-06	1.26E-06	1.24E-06	5.97E-08	1.44E-06	3.18E-07	4.14E-07	6.56E-07	1.16E-07	8.21E-08	3.09E-06	1.63E-06	6.91E-07	8.13E-07	3.19E-07	1.63E-06	6.91E-07
3030	479303.24	3850344	4.79E-03	4.68E-03	4.62E-03	1.66E-06	5.01E-06	2.90E-06	2.83E-06	2.57E-06	1.17E-06	1.16E-06	5.54E-08	1.34E-06	2.95E-07	3.84E-07	6.10E-07	1.07E-07	7.62E-08	2.87E-06	1.51E-06	6.42E-07	7.55E-07	2.97E-07	1.51E-06	6.42E-07
3031	479353.24	3850344	4.47E-03	4.36E-03	4.30E-03	1.55E-06	4.67E-06	2.71E-06	2.64E-06	2.39E-06	1.09E-06	1.08E-06	5.17E-08	1.25E-06	2.75E-07	3.58E-07	5.69E-07	1.00E-07	7.11E-08	2.67E-06	1.41E-06	5.99E-07	7.04E-07	2.77E-07	1.41E-06	5.99E-07
3032	479203.24	3850394	6.80E-03	6.63E-03	6.55E-03	2.35E-06	7.11E-06	4.11E-06	4.01E-06	3.64E-06	1.66E-06	1.64E-06	7.86E-08	1.90E-06	4.19E-07	5.45E-07	8.65E-07	1.52E-07	1.08E-07	4.07E-06	2.15E-06	9.10E-07	1.07E-06	4.21E-07	2.15E-06	9.10E-07
3033	479253.24	3850394	6.16E-03	6.01E-03	5.93E-03	2.13E-06	6.44E-06	3.73E-06	3.64E-06	3.30E-06	1.50E-06	1.48E-06	7.12E-08	1.72E-06	3.80E-07	4.94E-07	7.84E-07	1.38E-07	9.79E-08	3.68E-06	1.94E-06	8.25E-07	9.71E-07	3.81E-07	1.94E-06	8.25E-07
3034	479303.24	3850394	5.64E-03	5.50E-03	5.43E-03	1.95E-06	5.89E-06	3.41E-06	3.33E-06	3.02E-06	1.38E-06	1.36E-06	6.52E-08	1.57E-06	3.47E-07	4.52E-07	7.17E-07	1.26E-07	8.96E-08	3.37E-06	1.78E-06	7.55E-07	8.88E-07	3.49E-07	1.78E-06	7.55E-07
3035	479353.24	3850394	5.19E-03	5.07E-03	5.00E-03	1.80E-06	5.43E-06	3.14E-06	3.07E-06	2.78E-06	1.27E-06	1.25E-06	6.00E-08	1.45E-06	3.20E-07	4.16E-07	6.61E-07	1.16E-07	8.26E-08	3.11E-06	1.64E-06	6.96E-07	8.18E-07	3.21E-07	1.64E-06	6.96E-07
3036	479403.24	3850394	4.81E-03	4.69E-03	4.63E-03	1.67E-06	5.03E-06	2.91E-06	2.84E-06	2.58E-06	1.18E-06	1.16E-06	5.56E-08	1.34E-06	2.96E-07	3.86E-07	6.12E-07	1.08E-07	7.65E-08	2.88E-06	1.52E-06	6.44E-07	7.58E-07	2.98E-07	1.52E-06	6.44E-07
3037	479453.24	3850394	4.47E-03	4.37E-03	4.31E-03	1.55E-06	4.68E-06	2.71E-06	2.64E-06	2.39E-06	1.09E-06	1.08E-06	5.17E-08	1.25E-06	2.76E-07	3.59E-07	5.69E-07	1.00E-07	7.11E-08	2.68E-06	1.41E-06	5.99E-07	7.05E-07	2.77E-07	1.41E-06	5.99E-07
3038	479503.24	3850394	4.17E-03	4.07E-03	4.01E-03	1.44E-06	4.36E-06	2.52E-06	2.46E-06	2.23E-06	1.02E-06	1.00E-06	4.82E-08	1.16E-06	2.57E-07	3.34E-07	5.30E-07	9.34E-08	6.62E-08	2.49E-06	1.32E-06	5.58E-07	6.57E-07	2.58E-07	1.32E-06	5.58E-07
3039	479303.24	3850444	6.87E-03	6.70E-03	6.61E-03	2.38E-06	7.18E-06	4.16E-06	4.06E-06	3.68E-06	1.68E-06	1.66E-06	7.94E-08	1.92E-06	4.23E-07	5.51E-07	8.73E-07	1.54E-07	1.09E-07	4.11E-06	2.17E-06	9.20E-07	1.08E-06	4.25E-07	2.17E-06	9.20E-07
3040	479353.24	3850444	6.21E-03	6.06E-03	5.98E-03	2.15E-06	6.49E-06	3.76E-06	3.67E-06	3.33E-06	1.52E-06	1.50E-06	7.18E-08	1.73E-06	3.83E-07	4.98E-07	7.90E-07	1.39E-07	9.88E-08	3.72E-06	1.96E-06	8.32E-07	9.79E-07	3.85E-07	1.96E-06	8.32E-07
3041	479403.24	3850444	5.66E-03	5.52E-03	5.45E-03	1.96E-06	5.92E-06	3.43E-06	3.34E-06	3.03E-06	1.38E-06	1.36E-06	6.54E-08	1.58E-06	3.49E-07	4.54E-07	7.20E-07	1.27E-07	9.00E-08	3.39E-06	1.79E-06	7.58E-07	8.92E-07	3.50E-07	1.79E-06	7.58E-07
3042	479453.24	3850444	5.19E-03	5.06E-03	5.00E-03	1.80E-06	5.42E-06	3.14E-06	3.06E-06	2.78E-06	1.27E-06	1.25E-06	6.00E-08	1.45E-06	3.20E-07	4.16E-07	6.60E-07	1.16E-07	8.25E-08	3.10E-06	1.64E-06	6.95E-07	8.17E-07	3.21E-07	1.64E-06	6.95E-07
3043	479503.24	3850444	4.78E-03	4.66E-03	4.60E-03	1.65E-06	5.00E-06	2.89E-06	2.82E-06	2.56E-06	1.17E-06	1.15E-06	5.52E-08	1.33E-06	2.94E-07	3.83E-07	6.08E-07	1.07E-07	7.60E-08	2.86E-06	1.51E-06	6.40E-07	7.53E-07	2.96E-07	1.51E-06	6.40E-07
3044	480327.18	3850987	8.39E-03	8.19E-03	8.08E-03	2.90E-06	8.77E-06	5.08E-06	4.95E-06	4.49E-06	2.05E-06	2.02E-06	9.70E-08	2.34E-06	5.17E-07	6.73E-07	1.07E-06	1.88E-07	1.33E-07	5.02E-06	2.65E-06	1.12E-06	1.32E-06	5.19E-07	2.65E-06	1.12E-06
3045	480377.18	3850987	7.41E-03	7.23E-03	7.13E-03	2.56E-06	7.74E-06	4.48E-06	4.37E-06	3.97E-06	1.81E-06	1.79E-06	8.57E-08	2.07E-06	4.57E-07	5.94E-07	9.42E-07	1.66E-07	1.18E-07	4.43E-06	2.34E-06	9.92E-07	1.17E-06	4.59E-07	2.34E-06	9.92E-07
3046	480427.18	3850987	6.62E-03	6.46E-03	6.37E-03	2.29E-06	6.92E-06	4.01E-06	3.91E-06	3.54E-06	1.62E-06	1.60E-06	7.65E-08	1.85E-06	4.08E-07	5.31E-07	8.42E-07	1.48E-07	1.05E-07	3.96E-06	2.09E-06	8.86E-07	1.04E-06	4.10E-07	2.09E-06	8.86E-07
3047	480477.18	3850987	5.96E-03	5.82E-03	5.74E-03	2.06E-06	6.23E-06	3.61E-06	3.52E-06	3.19E-06	1.46E-06	1.44E-06	6.89E-08	1.66E-06	3.67E-07	4.78E-07	7.58E-07	1.34E-07	9.47E-08	3.56E-06	1.88E-06	7.98E-07	9.39E-07	3.69E-07	1.88E-06	7.98E-07
3048	480327.18	3851037	1.15E-02	1.12E-02	1.11E-02	3.98E-06	1.20E-05	6.96E-06	6.79E-06	6.15E-06	2.81E-06	2.77E-06	1.33E-07	3.21E-06	7.08E-07	9.22E-07	1.46E-06	2.58E-07	1.83E-07	6.88E-06	3.63E-06	1.54E-06	1.81E-06	7.12E-07	3.63E-06	1.54E-06
3049	480377.18	3851037	9.75E-03	9.51E-03	9.38E-03	3.37E-06	1.02E-05	5.90E-06	5.75E-06	5.22E-06	2.38E-06	2.35E-06	1.13E-07	2.72E-06	6.00E-07	7.81E-07	1.24E-06	2.18E-07	1.55E-07	5.83E-06	3.08E-06	1.31E-06	1.54E-06	6.03E-07	3.08E-06	1.31E-06
3050	480427.18	3851037	8.43E-03	8.22E-03	8.11E-03	2.92E-06	8.81E-06	5.10E-06	4.97E-06	4.51E-06	2.06E-06	2.03E-06	9.74E-08	2.35E-06	5.19E-07	6.75E-07	1.07E-06	1.89E-07	1.34E-07	5.04E-06	2.66E-06	1.13E-06	1.33E-06	5.21E-07	2.66E-06	1.13E-06
3051	480477.18	3851037	7.41E-03	7.23E-03	7.13E-03	2.56E-06	7.74E-06	4.48E-06	4.37E-06	3.97E-06	1.81E-06	1.79E-06	8.57E-08	2.07E-06	4.57E-07	5.94E-07	9.42E-07	1.66E-07	1.18E-07	4.43E-06	2.34E-06	9.92E-07	1.17E-06	4.59E-07	2.34E-06	9.92E-07
3052	480622.06	3851087	6.68E-03	6.52E-03	6.43E-03	2.31E-06	6.98E-06	4.04E-06	3.95E-06	3.58E-06	1.63E-06	1.61E-06	7.72E-08	1.87E-06	4.12E-07	5.36E-07	8.50E-07	1.50E-07	1.06E-07	4.00E-06	2.11E-06	8.95E-07	1.05E-06	4.14E-07	2.11E-06	8.95E-07
3053	480672.06	3851087	6.03E-03	5.88E-03	5.80E-03	2.09E-06	6.30E-06	3.65E-06	3.56E-06	3.22E-06	1.47E-06	1.45E-06	6.96E-08	1.68E-06	3.71E-07	4.83E-07	7.66E-07	1.35E-07	9.58E-08	3.60E-06	1.90E-06	8.07E-07	9.49E-07	3.73E-07	1.90E-06	8.07E-07
3054	480622.06	3851137	8.59E-03	8.39E-03	8.27E-03	2.97E-06	8.98E-06	5.20E-06	5.07E-06	4.60E-06	2.10E-06	2.07E-06	9.93E-08	2.40E-06	5.29E-07	6.89E-07	1.09E-06	1.93E-07	1.37E-07	5.14E-06	2.71E-06	1.15E-06	1.35E-06	5.32E-07	2.71E-06	1.15E-06
3055	480672.06	3851137	7.53E-03	7.35E-03	7.25E-03	2.61E-06	7.87E-06	4.56E-06	4.45E-06	4.03E-06	1.84E-06	1.82E-06	8.71E-08	2.10E-06	4.64E-07	6.04E-07	9.58E-07	1.69E-07	1.20E-07	4.50E-06	2.38E-06	1.01E-06	1.19E-06	4.66E-07	2.38E-06	1.01E-06
3056	480722.06	3851137	6.71E-03	6.55E-03	6.47E-03	2.32E-06	7.02E-06	4.06E-06	3.96E-06	3.59E-06	1.64E-06	1.62E-06	7.76E-08	1.87E-06	4.14E-07	5.38E-07	8.54E-07	1.50E-07	1.07E-07	4.02E-06	2.12E-06	8.99E-07	1.06E-06	4.16E-07	2.12E-06	8.99E-07
3057	480622.06	3851187	1.20E-02	1.17E-02	1.15E-02	4.15E-06	1.25E-05	7.26E-06	7.08E-06	6.42E-06	2.93E-06	2.89E-06	1.39E-07	3.35E-06	7.39E-07	9.61E-07	1.53E-06	2.69E-07	1.91E-07	7.17E-06	3.79E-06	1.61E-06	1.89E-06	7.42E-07	3.79E-06	1.61E-06
3058	480672.06	3851187	1.01E-02	9.81E-03	9.68E-03	3.48E-06	1.05E-05	6.08E-06	5.93E-06	5.38E-06	2.45E-06	2.42E-06	1.16E-07	2.81E-06	6.19E-07	8.06E-07	1.28E-06	2.25E-07	1.60E-07	6.01E-06	3.17E-06	1.35E-06	1.58E-06	6.22E-07	3.17E-06	1.35E-06
3059	480722.06	3851187	8.65E-03	8.44E-03	8.33E-03	2.99E-06	9.04E-06	5.23E-06	5.11E-06	4.63E-06	2.11E-06	2.08E-06	1.00E-07	2.41E-06	5.33E-07	6.93E-07	1.10E-06	1.94E-07	1.37E-07	5.17E-06	2.73E-06	1.16E-06	1.36E-06	5.35E-07	2.73E-06	1.16E-06
3060	471363.09	3845877	3.08E-04	3.01E-04	2.97E-04	1.07E-07	3.22E-07	1.87E-07	1.82E-07	1.65E-07	7.53E-08	7.43E-08	3.56E-09	8.61E-08	1.90E-08	2.47E-08	3.92E-08	6.91E-09	4.90E-09	1.84E-07	9.73E-08	4.13E-08	4.86E-08	1.91E-08	9.73E-08	4.13E-08
3061	471863.09	3845877	3.07E-04	3.00E-04	2.96E-04	1.06E-07	3.21E-07	1.86E-07	1.81E-07	1.64E-07	7.50E-08	7.40E-08	3.55E-09	8.57E-08	1.89E-08	2.46E-08	3.90E-08	6.88E-09	4.88E-09	1.84E-07	9.69E-08	4.11E-08	4.84E-08	1.90E-08	9.69E-08	4.11E-08
3062	472363.09	3845877	3.53E-04	3.45E-04	3.40E-04	1.22E-07	3.69E-07	2.14E-07	2.09E-07	1.89E-07	8.63E-08	8.52E-08	4.09E-09	9.87E-08	2.18E-08	2.83E-08	4.50E-08	7.92E-09	5.62E-09	2.11E-07	1.12E-07	4.73E-08	5.57E-08	2.19E-08	1.12E-07	4.73E-08
3063	472863.09	3845877	3.41E-04	3.33E-04	3.29E-04	1.18E-07	3.57E-07	2.07E-07	2.02E-07	1.83E-07	8.34E-08	8.23E-08	3.95E-09	9.53E-08	2.10E-08	2.74E-08	4.34E-08	7.65E-09	5.43E-09	2.04E-07	1.08E-07	4.57E-08	5.38E-08	2.11E-08	1.08E-07	4.57E-08
3064	473363.09	3845877	3.51E-04	3.42E-04	3.38E-04	1.21E-07	3.67E-07	2.12E-07	2.07E-07	1.88E-07	8.57E-08	8.46E-08	4.06E-09	9.80E-08	2.16E-08	2.81E-08	4.46E-08	7.87E-09	5.58E-09	2.10E-07	1.11E-07	4.70E-08	5.53E-08	2.17E-08	1.11E-07	4.70E-08
3065	473863.09	3845877	3.56E-04	3.48E-04	3.43E-04	1.23E-07	3.72E-07	2.16E-07	2.10E-07	1.91E-07	8.70E-08	8.59E-08	4.12E-09	9.95E-08	2.20E-08	2.86E-08	4.53E-08	7.99E-09	5.66E-09	2.13E-07	1.12E-07	4.77E-08	5.61E-08	2.21E-08	1.12E-07	4.77E-08
3066	474363.09	3845877	3.78E-04	3.69E-04	3.64E-04	1.31E-07	3.95E-07	2.29E-07	2.23E-07	2.02E-07	9.23E-08	9.11E-08	4.37E-09	1.06E-07	2.33E-08	3.03E-08	4.81E-08	8.47E-09	6.01E-09	2.26E-07	1.19E-07	5.06E-08	5.95E-08	2.34E-08	1.19E-07	5.06E-08
3067	474863.09	3845877	3.89E-04	3.80E-04	3.75E-04	1.35E-07	4.07E-07	2.35E-07	2.30E-07	2.08E-07	9.50E-08	9.38E-08	4.50E-09	1.09E-07	2.40E-08	3.12E-08	4.95E-08	8.72E-09	6.19E-09	2.33E-07	1.23E-07	5.21E-08	6.13E-08	2.41E-08	1.23E-07	5.21E-08
3068	475363.09	3845877	3.92E-04	3.83E-04	3.78E-04	1.36E-07	4.10E-07	2.37E-07	2.32E-07	2.10E-07	9.59E-08	9.46E-08	4.54E-09	1.10E-07	2.42E-08	3.15E-08	4.99E-08	8.80E-09	6.24E-09	2.35E-07	1.24E-07	5.26E-08	6.18E-08	2.43E-08	1.24E-07	5.26E-08
3069	475863.09	3845877	3.83E-04	3.73E-04	3.68E-04	1.32E-07	4.00E-07	2.31E-07	2.26E-07	2.05E-07	9.34E-08	9.22E-08	4.42E-09	1.07E-07	2.36E-08	3.07E-08	4.86E-08	8.57E-09	6.08E-09	2.29E-07	1.21E-07	5.12E-08	6.03E-08	2.37E-08	1.21E-07	5.12E-08
3070	476363.09	3845877	3.64E-04	3.55E-04	3.51E-04	1.26E-07	3.81E-07	2.20E-07	2.15E-07	1.95E-07	8.90E-08	8.78E-08	4.21E-09	1.02E-07	2.24E-08	2.92E-08	4.63E-08	8.16E-09	5.79E-09	2.18E-07	1.15E-07	4.88E-08	5.74E-08	2.25E-08	1.15E-07	4.88E-08
3071	476863.09	3845877	3.44E-04	3.35E-04	3.31E-04	1.19E-07	3.59E-07	2.08E-07	2.03E-07	1.84E-07	8.39E-08	8.28E-08	3.97E-09	9.59E-08	2.12E-08	2.75E-08	4.37E-08	7.70E-09	5.46E-09	2.05E-07	1.08E-07	4.60E-08	5.41E-08	2.13E-08	1.08E-07	4.60E-08
3072	477363.09	3845877	3.26E-04	3.18E-04	3.14E-04	1.13E-07	3.41E-07	1.97E-07	1.93E-07	1.75E-07	7.96E-08	7.86E-08	3.77E-09	9.11E-08	2.01E-08	2.61E-08	4.15E-08	7.31E-09	5.18E-09	1.95E-07	1.03E-07	4.37E-08	5.14E-08	2.02E-08	1.03E-07	4.37E-08
3073	477863.09	3845877	3.06E-04	2.98E-04	2.94E-04	1.06E-07	3.20E-07	1.85E-07	1.81E-07	1.64E-07	7.47E-08	7.37E-08	3.53E-09	8.54E-08	1.88E-08	2.45E-08	3.89E-08	6.85E-09	4.86E-09	1.83E-07	9.65E-08	4.09E-08	4.82E-08	1.89E-08	9.65E-08	4.09E-08
3074	478363.09	3845877	2.93E-04	2.86E-04	2.82E-04	1.02E-07	3.07E-07	1.77E-07	1.73E-07	1.57E-07	7.16E-08	7.07E-08	3.39E-09	8.19E-08	1.81E-08	2.35E-08	3.73E-08	6.57E-09	4.66E-09	1.75E-07	9.26E-08	3.93E-08	4.62E-08	1.82E-08	9.26E-08	3.93E-08
3075	478863.09	3845877	2.83E-04	2.76E-04	2.72E-04	9.78E-08	2.95E-07	1.71E-07	1.67E-07	1.51E-07	6.90E-08	6.81E-08	3.27E-09	7.89E-08	1.74E-08	2.26E-08	3.59E-08	6.33E-09	4.49E-09	1.69E-07	8.92E-08	3.78E-08	4.45E-08	1.75E-08	8.92E-08	3.78E-08
3076	479363.09	3845877	2.77E-04	2.70E-04	2.67E-04	9.59E-08	2.90E-07	1.68E-07	1.64E-07	1.48E-07	6.77E-08	6.68E-08	3.20E-09	7.74E-08	1.71E-08	2.22E-08	3.52E-08	6.21E-09	4.41E-09	1.66E-07	8.75E-08	3.71E-08	4.37E-08	1.72E-08	8.75E-08	3.71E-08
3077	479863.09	3845877	2.66E-04	2.60E-04	2.56E-04	9.22E-08	2.78E-07	1.61E-07	1.57E-07	1.43E-07	6.50E-08	6.42E-08	3.08E-09	7.44E-08	1.64E-08	2.14E-08	3.39E-08	5.97E-09	4.23E-09	1.59E-07	8.41E-08	3.57E-08	4.20E-08	1.65E-08	8.41E-08	3.57E-08
3078	480363.09	3845877	2.49E-04	2.43E-04	2.39E-04	8.60E-08	2.60E-07	1.50E-07	1.47E-07	1.33E-07	6.07E-08	5.99E-08	2.87E-09	6.94E-08	1.53E-08	1.99E-08	3.16E-08	5.57E-09	3.95E-09	1.49E-07	7.84E-08	3.33E-08	3.91E-08	1.54E-08	7.84E-08	3.33E-08
3079	480863.09	3845877	2.37E-04	2.32E-04	2.28E-04	8.21E-08	2.48E-07	1.44E-07	1.40E-07	1.27E-07	5.80E-08	5.72E-08	2.74E-09	6.63E-08	1.46E-08	1.90E-08	3.02E-08	5.32E-09	3.77E-09	1.42E-07	7.49E-08	3.18E-08	3.74E-08	1.47E-08	7.49E-08	3.18E-08
3080	481363.09	3845877	2.28E-04	2.22E-04	2.19E-04	7.88E-08	2.38E-07	1.38E-07	1.34E-07	1.22E-07	5.56E-08	5.49E-08	2.63E-09	6.36E-08	1.40E-08	1.83E-08	2.90E-08	5.10E-09	3.62E-09	1.36E-07	7.19E-08	3.05E-08	3.59E-08	1.41E-08	7.19E-08	3.05E-08
3081	481863.09	3845877	2.17E-04	2.12E-04	2.09E-04	7.51E-08	2.27E-07	1.31E-07	1.28E-07	1.16E-07	5.30E-08	5.23E-08	2.51E-09	6.06E-08	1.34E-08	1.74E-08	2.76E-08	4.86E-09	3.45E-09	1.30E-07	6.85E-08	2.91E-08	3.42E-08	1.34E-08	6.85E-08	2.91E-08
3082	482363.09	3845877	2.06E-04	2.01E-04	1.99E-04	7.14E-08	2.16E-07	1.25E-07	1.22E-07	1.10E-07	5.04E-08	4.97E-08	2.38E-09	5.76E-08	1.27E-08	1.65E-08	2.62E-08	4.62E-09	3.28E-09	1.23E-07	6.51E-08	2.76E-08	3.25E-08	1.28E-08	6.51E-08	2.76E-08
3083	482863.09	3845877	1.84E-04	1.79E-04	1.77E-04	6.36E-08	1.92E-07	1.11E-07	1.09E-07	9.84E-08	4.49E-08	4.43E-08	2.12E-09	5.13E-08	1.13E-08	1.47E-08	2.34E-08	4.12E-09	2.92E-09	1.10E-07	5.80E-08	2.46E-08	2.90E-08	1.14E-08	5.80E-08	2.46E-08
3084	483363.09	3845877	1.73E-04	1.68E-04	1.66E-04	5.97E-08	1.80E-07	1.04E-07	1.02E-07	9.24E-08	4.21E-08	4.16E-08	2.00E-09	4.82E-08	1.06E-08	1.38E-08	2.19E-08	3.87E-09	2.74E-09	1.03E-07	5.45E-08	2.31E-08	2.72E-08	1.07E-08	5.45E-08	2.31E-08
3085	483863.09	3845877	1.86E-04	1.82E-04	1.79E-04	6.45E-08	1.95E-07	1.13E-07	1.10E-07	9.97E-08	4.55E-08	4.49E-08	2.15E-09	5.20E-08	1.15E-08	1.49E-08	2.37E-08	4.18E-09	2.96E-09	1.11E-07	5.88E-08	2.49E-08	2.93E-08	1.15E-08	5.88E-08	2.49E-08
3086	484363.09	3845877	1.84E-04	1.80E-04	1.77E-04	6.38E-08	1.93E-07	1.11E-07	1.09E-07	9.86E-08	4.50E-08	4.44E-08	2.13E-09	5.14E-08	1.13E-08	1.48E-08	2.34E-08	4.13E-09	2.93E-09	1.10E-07	5.81E-08	2.47E-08	2.90E-08	1.14E-08	5.81E-08	2.47E-08
3087	484863.09	3845877	1.80E-04	1.76E-04	1.73E-04	6.23E-08	1.88E-07	1.09E-07	1.06E-07	9.64E-08	4.40E-08	4.34E-08	2.08E-09	5.03E-08	1.11E-08	1.44E-08	2.29E-08	4.04E-09	2.86E-09	1.08E-07	5.68E-08	2.41E-08	2.84E-08	1.11E-08	5.68E-08	2.41E-08
3088	485363.09	3845877	1.74E-04	1.70E-04	1.67E-04	6.02E-08	1.82E-07	1.05E-07	1.03E-07	9.30E-08	4.25E-08	4.19E-08	2.01E-09	4.85E-08	1.07E-08	1.39E-08	2.21E-08	3.90E-09	2.76E-09	1.04E-07	5.49E-08	2.33E-08	2.74E-08	1.08E-08	5.49E-08	2.33E-08
3089	485863.09	3845877	1.73E-04	1.69E-04	1.67E-04	6.00E-08	1.81E-07	1.05E-07	1.02E-07	9.28E-08	4.24E-08	4.18E-08	2.00E-09	4.84E-08	1.07E-08	1.39E-08	2.21E-08	3.89E-09	2.76E-09	1.04E-07	5.47E-08	2.32E-08	2.73E-08	1.07E-08	5.47E-08	2.32E-08
3090	486363.09	3845877	1.71E-04	1.67E-04	1.65E-04	5.92E-08	1.79E-07	1.03E-07	1.01E-07	9.15E-08	4.17E-08	4.12E-08	1.98E-09	4.77E-08	1.05E-08	1.37E-08	2.17E-08	3.83E-09	2.72E-09	1.02E-07	5.39E-08	2.29E-08	2.69E-08	1.06E-08	5.39E-08	2.29E-08
3091	486863.09	3845877	1.64E-04	1.60E-04	1.58E-04	5.69E-08	1.72E-07	9.94E-08	9.70E-08	8.79E-08	4.01E-08	3.96E-08	1.90E-09	4.59E-08	1.01E-08	1.32E-08	2.09E-08	3.68E-09	2.61E-09	9.83E-08	5.19E-08	2.20E-08	2.59E-08	1.02E-08	5.19E-08	2.20E-08
3092	487363.09	3845877	1.62E-04	1.58E-04	1.56E-04	5.60E-08	1.69E-07	9.79E-08	9.55E-08	8.66E-08	3.95E-08	3.90E-08	1.87E-09	4.52E-08	9.97E-09	1.30E-08	2.06E-08	3.63E-09	2.57E-09	9.68E-08	5.11E-08	2.17E-08	2.55E-08	1.00E-08	5.11E-08	2.17E-08
3093	487863.09	3845877	1.56E-04	1.52E-04	1.50E-04	5.40E-08	1.63E-07	9.44E-08	9.21E-08	8.35E-08	3.81E-08	3.76E-08	1.80E-09	4.36E-08	9.61E-09	1.25E-08	1.98E-08	3.50E-09	2.48E-09	9.33E-08	4.92E-08	2.09E-08	2.46E-08	9.65E-09	4.92E-08	2.09E-08
3094	488363.09	3845877	1.53E-04	1.49E-04	1.47E-04	5.29E-08	1.60E-07	9.24E-08	9.01E-08	8.17E-08	3.73E-08	3.68E-08	1.76E-09	4.26E-08	9.41E-09	1.22E-08	1.94E-08	3.42E-09	2.43E-09	9.13E-08	4.82E-08	2.04E-08	2.41E-08	9.45E-09	4.82E-08	2.04E-08
3095	488863.09	3845877	1.60E-04	1.56E-04	1.54E-04	5.54E-08	1.67E-07	9.69E-08	9.46E-08	8.57E-08	3.91E-08	3.86E-08	1.85E-09	4.47E-08	9.87E-09	1.28E-08	2.04E-08	3.59E-09	2.55E-09	9.58E-08	5.05E-08	2.14E-08	2.52E-08	9.91E-09	5.05E-08	2.14E-08
3096	489363.09	3845877	1.58E-04	1.55E-04	1.53E-04	5.49E-08	1.66E-07	9.59E-08	9.36E-08	8.48E-08	3.87E-08	3.82E-08	1.83E-09	4.43E-08	9.76E-09	1.27E-08	2.02E-08	3.55E-09	2.52E-09	9.48E-08	5.00E-08	2.12E-08	2.50E-08	9.81E-09	5.00E-08	2.12E-08
3097	489863.09	3845877	1.53E-04	1.49E-04	1.47E-04	5.30E-08	1.60E-07	9.26E-08	9.04E-08	8.19E-08	3.74E-08	3.69E-08	1.77E-09	4.27E-08	9.43E-09	1.23E-08	1.95E-08	3.43E-09	2.43E-09	9.16E-08	4.83E-08	2.05E-08	2.41E-08	9.47E-09	4.83E-08	2.05E-08
3098	490363.09	3845877	1.46E-04	1.42E-04	1.40E-04	5.04E-08	1.52E-07	8.81E-08	8.60E-08	7.79E-08	3.56E-08	3.51E-08	1.68E-09	4.07E-08	8.97E-09	1.17E-08	1.85E-08	3.26E-09	2.31E-09	8.71E-08	4.60E-08	1.95E-08	2.29E-08	9.01E-09	4.60E-08	1.95E-08
3099	490863.09	3845877	1.32E-04	1.29E-04	1.27E-04	4.57E-08	1.38E-07	7.98E-08	7.79E-08	7.06E-08	3.22E-08	3.18E-08	1.53E-09	3.68E-08	8.13E-09	1.06E-08	1.68E-08	2.96E-09	2.10E-09	7.89E-08	4.16E-08	1.77E-08	2.08E-08	8.17E-09	4.16E-08	1.77E-08
3100	491363.09	3845877	1.38E-04	1.35E-04	1.33E-04	4.78E-08	1.44E-07	8.36E-08	8.16E-08	7.39E-08	3.37E-08	3.33E-08	1.60E-09	3.86E-08	8.51E-09	1.11E-08	1.76E-08	3.10E-09	2.20E-09	8.26E-08	4.36E-08	1.85E-08	2.18E-08	8.55E-09	4.36E-08	1.85E-08
3101	491863.09	3845877	1.41E-04	1.37E-04	1.35E-04	4.87E-08	1.47E-07	8.51E-08	8.30E-08	7.53E-08	3.43E-08	3.39E-08	1.63E-09	3.93E-08	8.67E-09	1.13E-08	1.79E-08	3.15E-09	2.24E-09	8.41E-08	4.44E-08	1.88E-08	2.22E-08	8.70E-09	4.44E-08	1.88E-08

3102	492363.09	3845877	1.31E-04	1.28E-04	1.26E-04	4.52E-08	1.37E-07	7.91E-08	7.72E-08	6.99E-08	3.19E-08	3.15E-08	1.51E-09	3.65E-08	8.05E-09	1.05E-08	1.66E-08	2.93E-09	2.08E-09	7.82E-08	4.12E-08	1.75E-08	2.06E-08	8.09E-09	4.12E-08	1.75E-08
3103	492863.09	3845877	1.40E-04	1.37E-04	1.35E-04	4.85E-08	1.47E-07	8.48E-08	8.28E-08	7.51E-08	3.42E-08	3.38E-08	1.62E-09	3.92E-08	8.64E-09	1.12E-08	1.78E-08	3.14E-09	2.23E-09	8.39E-08	4.43E-08	1.88E-08	2.21E-08	8.68E-09	4.43E-08	1.88E-08
3104	493363.09	3845877	1.43E-04	1.39E-04	1.37E-04	4.94E-08	1.49E-07	8.64E-08	8.43E-08	7.64E-08	3.49E-08	3.44E-08	1.65E-09	3.98E-08	8.79E-09	1.14E-08	1.81E-08	3.20E-09	2.27E-09	8.54E-08	4.50E-08	1.91E-08	2.25E-08	8.83E-09	4.50E-08	1.91E-08
3105	493863.09	3845877	1.44E-04	1.41E-04	1.39E-04	5.00E-08	1.51E-07	8.74E-08	8.52E-08	7.73E-08	3.53E-08	3.48E-08	1.67E-09	4.03E-08	8.90E-09	1.16E-08	1.84E-08	3.24E-09	2.29E-09	8.63E-08	4.56E-08	1.93E-08	2.27E-08	8.94E-09	4.56E-08	1.93E-08
3106	494363.09	3845877	1.45E-04	1.42E-04	1.40E-04	5.03E-08	1.52E-07	8.79E-08	8.57E-08	7.77E-08	3.55E-08	3.50E-08	1.68E-09	4.05E-08	8.95E-09	1.16E-08	1.85E-08	3.25E-09	2.31E-09	8.68E-08	4.58E-08	1.94E-08	2.29E-08	8.99E-09	4.58E-08	1.94E-08
3107	494863.09	3845877	1.45E-04	1.42E-04	1.40E-04	5.03E-08	1.52E-07	8.79E-08	8.57E-08	7.77E-08	3.55E-08	3.50E-08	1.68E-09	4.05E-08	8.95E-09	1.16E-08	1.85E-08	3.25E-09	2.31E-09	8.68E-08	4.58E-08	1.94E-08	2.29E-08	8.99E-09	4.58E-08	1.94E-08
3108	495363.09	3845877	1.46E-04	1.43E-04	1.41E-04	5.06E-08	1.53E-07	8.84E-08	8.62E-08	7.82E-08	3.57E-08	3.52E-08	1.69E-09	4.08E-08	9.00E-09	1.17E-08	1.86E-08	3.27E-09	2.32E-09	8.73E-08	4.61E-08	1.96E-08	2.30E-08	9.04E-09	4.61E-08	1.96E-08
3109	495863.09	3845877	1.47E-04	1.43E-04	1.41E-04	5.08E-08	1.54E-07	8.89E-08	8.67E-08	7.86E-08	3.59E-08	3.54E-08	1.70E-09	4.10E-08	9.05E-09	1.18E-08	1.87E-08	3.29E-09	2.33E-09	8.78E-08	4.64E-08	1.97E-08	2.31E-08	9.09E-09	4.64E-08	1.97E-08
3110	496363.09	3845877	1.48E-04	1.44E-04	1.42E-04	5.11E-08	1.54E-07	8.94E-08	8.72E-08	7.91E-08	3.61E-08	3.56E-08	1.71E-09	4.12E-08	9.10E-09	1.18E-08	1.88E-08	3.31E-09	2.35E-09	8.83E-08	4.66E-08	1.98E-08	2.33E-08	9.14E-09	4.66E-08	1.98E-08
3111	496863.09	3845877	1.47E-04	1.44E-04	1.42E-04	5.10E-08	1.54E-07	8.91E-08	8.70E-08	7.88E-08	3.60E-08	3.55E-08	1.70E-09	4.11E-08	9.07E-09	1.18E-08	1.87E-08	3.30E-09	2.34E-09	8.81E-08	4.65E-08	1.97E-08	2.32E-08	9.12E-09	4.65E-08	1.97E-08
3112	497363.09	3845877	1.47E-04	1.43E-04	1.41E-04	5.08E-08	1.54E-07	8.89E-08	8.67E-08	7.86E-08	3.59E-08	3.54E-08	1.70E-09	4.10E-08	9.05E-09	1.18E-08	1.87E-08	3.29E-09	2.33E-09	8.78E-08	4.64E-08	1.97E-08	2.31E-08	9.09E-09	4.64E-08	1.97E-08
3113	497863.09	3845877	1.46E-04	1.43E-04	1.41E-04	5.06E-08	1.53E-07	8.84E-08	8.62E-08	7.82E-08	3.57E-08	3.52E-08	1.69E-09	4.08E-08	9.00E-09	1.17E-08	1.86E-08	3.27E-09	2.32E-09	8.73E-08	4.61E-08	1.96E-08	2.30E-08	9.04E-09	4.61E-08	1.96E-08
3114	498363.09	3845877	1.46E-04	1.42E-04	1.40E-04	5.04E-08	1.52E-07	8.81E-08	8.60E-08	7.79E-08	3.56E-08	3.51E-08	1.68E-09	4.07E-08	8.97E-09	1.17E-08	1.85E-08	3.26E-09	2.31E-09	8.71E-08	4.60E-08	1.95E-08	2.29E-08	9.01E-09	4.60E-08	1.95E-08
3115	471363.09	3846377	5.66E-03	5.52E-03	5.45E-03	1.96E-06	5.92E-06	3.43E-06	3.34E-06	3.03E-06	1.38E-06	1.36E-06	6.54E-08	1.58E-06	3.49E-07	4.54E-07	7.20E-07	1.27E-07	9.00E-08	3.39E-06	1.79E-06	7.58E-07	8.92E-07	3.50E-07	1.79E-06	7.58E-07
3116	471863.09	3846377	4.78E-03	4.66E-03	4.60E-03	1.65E-06	5.00E-06	2.89E-06	2.82E-06	2.56E-06	1.17E-06	1.15E-06	5.53E-08	1.33E-06	2.94E-07	3.83E-07	6.08E-07	1.07E-07	7.60E-08	2.86E-06	1.51E-06	6.40E-07	7.53E-07	2.96E-07	1.51E-06	6.40E-07
3117	472363.09	3846377	1.45E-03	1.42E-03	1.40E-03	5.03E-07	1.52E-06	8.80E-07	8.59E-07	7.78E-07	3.55E-07	3.50E-07	1.68E-08	4.06E-07	8.96E-08	1.17E-07	1.85E-07	3.26E-08	2.31E-08	8.70E-07	4.59E-07	1.95E-07	2.29E-07	9.00E-08	4.59E-07	1.95E-07
3118	472863.09	3846377	1.01E-03	9.85E-04	9.72E-04	3.49E-07	1.05E-06	6.11E-07	5.96E-07	5.40E-07	2.46E-07	2.43E-07	1.17E-08	2.82E-07	6.22E-08	8.09E-08	1.28E-07	2.26E-08	1.60E-08	6.03E-07	3.18E-07	1.35E-07	1.59E-07	6.24E-08	3.18E-07	1.35E-07
3119	473363.09	3846377	7.95E-04	7.76E-04	7.66E-04	2.75E-07	8.31E-07	4.81E-07	4.70E-07	4.26E-07	1.94E-07	1.92E-07	9.19E-09	2.22E-07	4.90E-08	6.38E-08	1.01E-07	1.78E-08	1.26E-08	4.76E-07	2.51E-07	1.07E-07	1.25E-07	4.92E-08	2.51E-07	1.07E-07
3120	473863.09	3846377	7.13E-04	6.96E-04	6.87E-04	2.47E-07	7.45E-07	4.32E-07	4.21E-07	3.82E-07	1.74E-07	1.72E-07	8.24E-09	1.99E-07	4.39E-08	5.72E-08	9.07E-08	1.60E-08	1.13E-08	4.27E-07	2.25E-07	9.55E-08	1.12E-07	4.41E-08	2.25E-07	9.55E-08
3121	474363.09	3846377	6.46E-04	6.30E-04	6.22E-04	2.24E-07	6.75E-07	3.91E-07	3.81E-07	3.46E-07	1.58E-07	1.56E-07	7.47E-09	1.80E-07	3.98E-08	5.18E-08	8.21E-08	1.45E-08	1.03E-08	3.86E-07	2.04E-07	8.65E-08	1.02E-07	4.00E-08	2.04E-07	8.65E-08
3122	474863.09	3846377	6.07E-04	5.92E-04	5.84E-04	2.10E-07	6.34E-07	3.67E-07	3.58E-07	3.25E-07	1.48E-07	1.46E-07	7.01E-09	1.69E-07	3.74E-08	4.86E-08	7.71E-08	1.36E-08	9.64E-09	3.63E-07	1.91E-07	8.12E-08	9.56E-08	3.75E-08	1.91E-07	8.12E-08
3123	475363.09	3846377	5.63E-04	5.50E-04	5.42E-04	1.95E-07	5.89E-07	3.41E-07	3.33E-07	3.02E-07	1.38E-07	1.36E-07	6.51E-09	1.57E-07	3.47E-08	4.52E-08	7.16E-08	1.26E-08	8.96E-09	3.37E-07	1.78E-07	7.54E-08	8.88E-08	3.49E-08	1.78E-07	7.54E-08
3124	475863.09	3846377	5.30E-04	5.17E-04	5.10E-04	1.83E-07	5.54E-07	3.21E-07	3.13E-07	2.84E-07	1.29E-07	1.28E-07	6.12E-09	1.48E-07	3.26E-08	4.25E-08	6.74E-08	1.19E-08	8.42E-09	3.17E-07	1.67E-07	7.09E-08	8.35E-08	3.28E-08	1.67E-07	7.09E-08
3125	476363.09	3846377	4.87E-04	4.75E-04	4.69E-04	1.68E-07	5.09E-07	2.94E-07	2.87E-07	2.60E-07	1.19E-07	1.17E-07	5.63E-09	1.36E-07	3.00E-08	3.90E-08	6.19E-08	1.09E-08	7.74E-09	2.91E-07	1.54E-07	6.52E-08	7.67E-08	3.01E-08	1.54E-07	6.52E-08
3126	476863.09	3846377	4.51E-04	4.40E-04	4.35E-04	1.56E-07	4.72E-07	2.73E-07	2.67E-07	2.42E-07	1.10E-07	1.09E-07	5.22E-09	1.26E-07	2.78E-08	3.62E-08	5.74E-08	1.01E-08	7.17E-09	2.70E-07	1.42E-07	6.04E-08	7.11E-08	2.79E-08	1.42E-07	6.04E-08
3127	477363.09	3846377	4.20E-04	4.10E-04	4.04E-04	1.45E-07	4.39E-07	2.54E-07	2.48E-07	2.25E-07	1.03E-07	1.01E-07	4.85E-09	1.17E-07	2.59E-08	3.37E-08	5.34E-08	9.41E-09	6.67E-09	2.51E-07	1.33E-07	5.62E-08	6.61E-08	2.60E-08	1.33E-07	5.62E-08
3128	477863.09	3846377	3.87E-04	3.78E-04	3.73E-04	1.34E-07	4.05E-07	2.34E-07	2.29E-07	2.07E-07	9.46E-08	9.34E-08	4.48E-09	1.08E-07	2.39E-08	3.11E-08	4.93E-08	8.68E-09	6.16E-09	2.32E-07	1.22E-07	5.19E-08	6.10E-08	2.40E-08	1.22E-07	5.19E-08
3129	478363.09	3846377	3.63E-04	3.54E-04	3.50E-04	1.26E-07	3.79E-07	2.20E-07	2.14E-07	1.94E-07	8.87E-08	8.75E-08	4.20E-09	1.01E-07	2.24E-08	2.91E-08	4.62E-08	8.14E-09	5.77E-09	2.17E-07	1.15E-07	4.86E-08	5.72E-08	2.25E-08	1.15E-07	4.86E-08
3130	478863.09	3846377	3.49E-04	3.40E-04	3.36E-04	1.21E-07	3.65E-07	2.11E-07	2.06E-07	1.87E-07	8.52E-08	8.41E-08	4.03E-09	9.74E-08	2.15E-08	2.80E-08	4.44E-08	7.82E-09	5.55E-09	2.09E-07	1.10E-07	4.67E-08	5.50E-08	2.16E-08	1.10E-07	4.67E-08
3131	479363.09	3846377	3.34E-04	3.25E-04	3.21E-04	1.15E-07	3.49E-07	2.02E-07	1.97E-07	1.79E-07	8.15E-08	8.04E-08	3.86E-09	9.31E-08	2.06E-08	2.67E-08	4.24E-08	7.48E-09	5.30E-09	1.99E-07	1.05E-07	4.47E-08	5.25E-08	2.06E-08	1.05E-07	4.47E-08
3132	479863.09	3846377	3.16E-04	3.08E-04	3.04E-04	1.09E-07	3.30E-07	1.91E-07	1.87E-07	1.69E-07	7.72E-08	7.62E-08	3.65E-09	8.83E-08	1.95E-08	2.53E-08	4.02E-08	7.09E-09	5.03E-09	1.89E-07	9.98E-08	4.23E-08	4.98E-08	1.96E-08	9.98E-08	4.23E-08
3133	480363.09	3846377	3.05E-04	2.98E-04	2.94E-04	1.06E-07	3.19E-07	1.85E-07	1.80E-07	1.63E-07	7.45E-08	7.35E-08	3.52E-09	8.51E-08	1.88E-08	2.44E-08	3.88E-08	6.83E-09	4.85E-09	1.82E-07	9.62E-08	4.08E-08	4.80E-08	1.89E-08	9.62E-08	4.08E-08
3134	480863.09	3846377	2.81E-04	2.74E-04	2.70E-04	9.72E-08	2.94E-07	1.70E-07	1.66E-07	1.50E-07	6.86E-08	6.77E-08	3.25E-09	7.84E-08	1.73E-08	2.25E-08	3.57E-08	6.30E-09	4.46E-09	1.68E-07	8.86E-08	3.76E-08	4.42E-08	1.74E-08	8.86E-08	3.76E-08
3135	481363.09	3846377	2.69E-04	2.63E-04	2.59E-04	9.32E-08	2.81E-07	1.63E-07	1.59E-07	1.44E-07	6.58E-08	6.49E-08	3.11E-09	7.52E-08	1.66E-08	2.16E-08	3.42E-08	6.03E-09	4.28E-09	1.61E-07	8.50E-08	3.61E-08	4.24E-08	1.67E-08	8.50E-08	3.61E-08
3136	481863.09	3846377	2.55E-04	2.49E-04	2.45E-04	8.82E-08	2.66E-07	1.54E-07	1.50E-07	1.36E-07	6.22E-08	6.14E-08	2.94E-09	7.11E-08	1.57E-08	2.04E-08	3.24E-08	5.71E-09	4.05E-09	1.52E-07	8.04E-08	3.41E-08	4.01E-08	1.58E-08	8.04E-08	3.41E-08
3137	482363.09	3846377	2.39E-04	2.33E-04	2.30E-04	8.27E-08	2.50E-07	1.45E-07	1.41E-07	1.28E-07	5.84E-08	5.76E-08	2.76E-09	6.67E-08	1.47E-08	1.92E-08	3.04E-08	5.36E-09	3.80E-09	1.43E-07	7.54E-08	3.20E-08	3.76E-08	1.48E-08	7.54E-08	3.20E-08
3138	482863.09	3846377	2.18E-04	2.13E-04	2.10E-04	7.55E-08	2.28E-07	1.32E-07	1.29E-07	1.17E-07	5.33E-08	5.26E-08	2.52E-09	6.09E-08	1.34E-08	1.75E-08	2.78E-08	4.89E-09	3.47E-09	1.31E-07	6.89E-08	2.92E-08	3.44E-08	1.35E-08	6.89E-08	2.92E-08
3139	483363.09	3846377	2.19E-04	2.14E-04	2.11E-04	7.60E-08	2.29E-07	1.33E-07	1.30E-07	1.17E-07	5.36E-08	5.29E-08	2.54E-09	6.13E-08	1.35E-08	1.76E-08	2.79E-08	4.92E-09	3.49E-09	1.31E-07	6.93E-08	2.94E-08	3.46E-08	1.36E-08	6.93E-08	2.94E-08
3140	483863.09	3846377	2.14E-04	2.08E-04	2.06E-04	7.40E-08	2.23E-07	1.29E-07	1.26E-07	1.14E-07	5.22E-08	5.15E-08	2.47E-09	5.97E-08	1.32E-08	1.71E-08	2.72E-08	4.79E-09	3.40E-09	1.28E-07	6.74E-08	2.86E-08	3.37E-08	1.32E-08	6.74E-08	2.86E-08
3141	484363.09	3846377	2.02E-04	1.97E-04	1.95E-04	6.99E-08	2.11E-07	1.22E-07	1.19E-07	1.08E-07	4.93E-08	4.87E-08	2.34E-09	5.64E-08	1.24E-08	1.62E-08	2.57E-08	4.53E-09	3.21E-09	1.21E-07	6.38E-08	2.71E-08	3.18E-08	1.25E-08	6.38E-08	2.71E-08
3142	484863.09	3846377	2.07E-04	2.02E-04	1.99E-04	7.17E-08	2.16E-07	1.25E-07	1.22E-07	1.11E-07	5.06E-08	4.99E-08	2.39E-09	5.78E-08	1.28E-08	1.66E-08	2.63E-08	4.64E-09	3.29E-09	1.24E-07	6.53E-08	2.77E-08	3.26E-08	1.28E-08	6.53E-08	2.77E-08
3143	485363.09	3846377	2.04E-04	1.99E-04	1.97E-04	7.07E-08	2.13E-07	1.24E-07	1.21E-07	1.09E-07	4.99E-08	4.92E-08	2.36E-09	5.70E-08	1.26E-08	1.64E-08	2.60E-08	4.57E-09	3.24E-09	1.22E-07	6.44E-08	2.73E-08	3.22E-08	1.26E-08	6.44E-08	2.73E-08
3144	485863.09	3846377	1.96E-04	1.91E-04	1.89E-04	6.78E-08	2.05E-07	1.18E-07	1.16E-07	1.05E-07	4.78E-08	4.72E-08	2.26E-09	5.47E-08	1.21E-08	1.57E-08	2.49E-08	4.39E-09	3.11E-09	1.17E-07	6.18E-08	2.62E-08	3.08E-08	1.21E-08	6.18E-08	2.62E-08
3145	486363.09	3846377	1.81E-04	1.77E-04	1.74E-04	6.26E-08	1.89E-07	1.09E-07	1.07E-07	9.68E-08	4.42E-08	4.36E-08	2.09E-09	5.05E-08	1.11E-08	1.45E-08	2.30E-08	4.05E-09	2.88E-09	1.08E-07	5.71E-08	2.42E-08	2.85E-08	1.12E-08	5.71E-08	2.42E-08
3146	486863.09	3846377	1.75E-04	1.71E-04	1.69E-04	6.06E-08	1.83E-07	1.06E-07	1.03E-07	9.37E-08	4.28E-08	4.22E-08	2.02E-09	4.89E-08	1.08E-08	1.40E-08	2.23E-08	3.92E-09	2.78E-09	1.05E-07	5.53E-08	2.34E-08	2.76E-08	1.08E-08	5.53E-08	2.34E-08
3147	487363.09	3846377	1.76E-04	1.72E-04	1.69E-04	6.09E-08	1.84E-07	1.06E-07	1.04E-07	9.42E-08	4.30E-08	4.24E-08	2.03E-09	4.91E-08	1.08E-08	1.41E-08	2.24E-08	3.94E-09	2.80E-09	1.05E-07	5.55E-08	2.36E-08	2.77E-08	1.09E-08	5.55E-08	2.36E-08
3148	487863.09	3846377	1.82E-04	1.77E-04	1.75E-04	6.29E-08	1.90E-07	1.10E-07	1.07E-07	9.73E-08	4.44E-08	4.38E-08	2.10E-09	5.07E-08	1.12E-08	1.46E-08	2.31E-08	4.07E-09	2.89E-09	1.09E-07	5.74E-08	2.43E-08	2.86E-08	1.12E-08	5.74E-08	2.43E-08
3149	488363.09	3846377	1.78E-04	1.74E-04	1.71E-04	6.16E-08	1.86E-07	1.08E-07	1.05E-07	9.53E-08	4.35E-08	4.29E-08	2.06E-09	4.97E-08	1.10E-08	1.43E-08	2.26E-08	3.99E-09	2.83E-09	1.06E-07	5.62E-08	2.38E-08	2.80E-08	1.10E-08	5.62E-08	2.38E-08
3150	488863.09	3846377	1.75E-04	1.71E-04	1.69E-04	6.07E-08	1.83E-07	1.06E-07	1.04E-07	9.39E-08	4.29E-08	4.23E-08	2.03E-09	4.90E-08	1.08E-08	1.41E-08	2.23E-08	3.93E-09	2.79E-09	1.05E-07	5.54E-08	2.35E-08	2.76E-08	1.09E-08	5.54E-08	2.35E-08
3151	489363.09	3846377	1.73E-04	1.68E-04	1.66E-04	5.97E-08	1.80E-07	1.04E-07	1.02E-07	9.24E-08	4.21E-08	4.16E-08	2.00E-09	4.82E-08	1.06E-08	1.38E-08	2.19E-08	3.87E-09	2.74E-09	1.03E-07	5.45E-08	2.31E-08	2.72E-08	1.07E-08	5.45E-08	2.31E-08
3152	489863.09	3846377	1.67E-04	1.63E-04	1.61E-04	5.77E-08	1.74E-07	1.01E-07	9.85E-08	8.93E-08	4.07E-08	4.02E-08	1.93E-09	4.66E-08	1.03E-08	1.34E-08	2.12E-08	3.74E-09	2.65E-09	9.97E-08	5.26E-08	2.23E-08	2.63E-08	1.03E-08	5.26E-08	2.23E-08
3153	490363.09	3846377	1.53E-04	1.49E-04	1.47E-04	5.29E-08	1.60E-07	9.24E-08	9.01E-08	8.17E-08	3.73E-08	3.68E-08	1.76E-09	4.26E-08	9.41E-09	1.22E-08	1.94E-08	3.42E-09	2.43E-09	9.13E-08	4.82E-08	2.04E-08	2.41E-08	9.45E-09	4.82E-08	2.04E-08
3154	490863.09	3846377	1.46E-04	1.43E-04	1.41E-04	5.06E-08	1.53E-07	8.84E-08	8.62E-08	7.82E-08	3.57E-08	3.52E-08	1.69E-09	4.08E-08	9.00E-09	1.17E-08	1.86E-08	3.27E-09	2.32E-09	8.73E-08	4.61E-08	1.96E-08	2.30E-08	9.04E-09	4.61E-08	1.96E-08
3155	491363.09	3846377	1.44E-04	1.40E-04	1.38E-04	4.97E-08	1.50E-07	8.69E-08	8.48E-08	7.68E-08	3.51E-08	3.46E-08	1.66E-09	4.01E-08	8.84E-09	1.15E-08	1.83E-08	3.22E-09	2.28E-09	8.58E-08	4.53E-08	1.92E-08	2.26E-08	8.88E-09	4.53E-08	1.92E-08
3156	491863.09	3846377	1.51E-04	1.48E-04	1.46E-04	5.24E-08	1.58E-07	9.16E-08	8.94E-08	8.10E-08	3.70E-08	3.65E-08	1.75E-09	4.23E-08	9.33E-09	1.21E-08	1.93E-08	3.39E-09	2.41E-09	9.06E-08	4.78E-08	2.03E-08	2.39E-08	9.37E-09	4.78E-08	2.03E-08
3157	492363.09	3846377	1.48E-04	1.44E-04	1.42E-04	5.11E-08	1.54E-07	8.94E-08	8.72E-08	7.91E-08	3.61E-08	3.56E-08	1.71E-09	4.12E-08	9.10E-09	1.18E-08	1.88E-08	3.31E-09	2.35E-09	8.83E-08	4.66E-08	1.98E-08	2.33E-08	9.14E-09	4.66E-08	1.98E-08
3158	492863.09	3846377	1.47E-04	1.44E-04	1.42E-04	5.10E-08	1.54E-07	8.91E-08	8.70E-08	7.88E-08	3.60E-08	3.55E-08	1.70E-09	4.11E-08	9.07E-09	1.18E-08	1.87E-08	3.30E-09	2.34E-09	8.81E-08	4.65E-08	1.97E-08	2.32E-08	9.12E-09	4.65E-08	1.97E-08
3159	493363.09	3846377	1.52E-04	1.49E-04	1.47E-04	5.27E-08	1.59E-07	9.21E-08	8.99E-08	8.15E-08	3.72E-08	3.67E-08	1.76E-09	4.25E-08	9.38E-09	1.22E-08	1.94E-08	3.41E-09	2.42E-09	9.11E-08	4.81E-08	2.04E-08	2.40E-08	9.42E-09	4.81E-08	2.04E-08
3160	493863.09	3846377	1.54E-04	1.50E-04	1.48E-04	5.31E-08	1.60E-07	9.29E-08	9.06E-08	8.22E-08	3.75E-08	3.70E-08	1.77E-09	4.29E-08	9.46E-09	1.23E-08	1.95E-08	3.44E-09	2.44E-09	9.18E-08	4.84E-08	2.06E-08	2.42E-08	9.50E-09	4.84E-08	2.06E-08
3161	494363.09	3846377	1.54E-04	1.50E-04	1.48E-04	5.31E-08	1.60E-07	9.29E-08	9.06E-08	8.22E-08	3.75E-08	3.70E-08	1.77E-09	4.29E-08	9.46E-09	1.23E-08	1.95E-08	3.44E-09	2.44E-09	9.18E-08	4.84E-08	2.06E-08	2.42E-08	9.50E-09	4.84E-08	2.06E-08
3162	494863.09	3846377	1.54E-04	1.51E-04	1.49E-04	5.34E-08	1.61E-07	9.34E-08	9.11E-08	8.26E-08	3.77E-08	3.72E-08	1.78E-09	4.31E-08	9.51E-09	1.24E-08	1.96E-08	3.46E-09	2.45E-09	9.23E-08	4.87E-08	2.07E-08	2.43E-08	9.55E-09	4.87E-08	2.07E-08
3163	495363.09	3846377	1.54E-04	1.51E-04	1.49E-04	5.34E-08	1.61E-07	9.34E-08	9.11E-08	8.26E-08	3.77E-08	3.72E-08	1.78E-09	4.31E-08	9.51E-09	1.24E-08	1.96E-08	3.46E-09	2.45E-09	9.23E-08	4.87E-08	2.07E-08	2.43E-08	9.55E-09	4.87E-08	2.07E-08
3164	495863.09	3846377	1.55E-04	1.51E-04	1.49E-04	5.37E-08	1.62E-07	9.39E-08	9.16E-08	8.30E-08	3.79E-08	3.74E-08	1.79E-09	4.33E-08	9.56E-09	1.24E-08	1.97E-08	3.48E-09	2.47E-09	9.28E-08	4.90E-08	2.08E-08	2.44E-08	9.60E-09	4.90E-08	2.08E-08
3165	496363.09	3846377	1.56E-04	1.52E-04	1.50E-04	5.40E-08	1.63E-07	9.44E-08	9.21E-08	8.35E-08	3.81E-08	3.76E-08	1.80E-09	4.36E-08	9.61E-09	1.25E-08	1.98E-08	3.50E-09	2.48E-09	9.33E-08	4.92E-08	2.09E-08	2.46E-08	9.65E-09	4.92E-08	2.09E-08
3166	496863.09	3846377	1.56E-04	1.52E-04	1.50E-04	5.39E-08	1.63E-07	9.41E-08	9.19E-08	8.33E-08	3.80E-08	3.75E-08	1.80E-09	4.34E-08	9.59E-09	1.25E-08	1.98E-08	3.49E-09	2.47E-09	9.30E-08	4.91E-08	2.08E-08	2.45E-08	9.63E-09	4.91E-08	2.08E-08
3167	497363.09	3846377	1.55E-04	1.51E-04	1.49E-04	5.37E-08	1.62E-07	9.39E-08	9.16E-08	8.30E-08	3.79E-08	3.74E-08	1.79E-09	4.33E-08	9.56E-09	1.24E-08	1.97E-08	3.48E-09	2.47E-09	9.28E-08	4.90E-08	2.08E-08	2.44E-08	9.60E-09	4.90E-08	2.08E-08
3168	497863.09	3846377	1.54E-04	1.51E-04	1.49E-04	5.34E-08	1.61E-07	9.34E-08	9.11E-08	8.26E-08	3.77E-08	3.72E-08	1.78E-09	4.31E-08	9.51E-09	1.24E-08	1.96E-08	3.46E-09	2.45E-09	9.23E-08	4.87E-08	2.07E-08	2.43E-08	9.55E-09	4.87E-08	2.07E-08
3169	498363.09	3846377	1.53E-04	1.49E-04	1.47E-04	5.29E-08	1.60E-07	9.24E-08	9.01E-08	8.17E-08	3.73E-08	3.68E-08	1.76E-09	4.26E-08	9.41E-09	1.22E-08	1.94E-08	3.42E-09	2.43E-09	9.13E-08	4.82E-08	2.04E-08	2.41E-08	9.45E-09	4.82E-08	2.04E-08
3170	471363.09	3846877	7.77E-04	7.59E-04	7.49E-04	2.69E-07	8.13E-07	4.70E-07	4.59E-07	4.16E-07	1.90E-07	1.87E-07	8.99E-09	2.17E-07	4.79E-08	6.23E-08	9.89E-08	1.74E-08	1.24E-08	4.65E-07	2.45E-07	1.04E-07	1.22E-07	4.81E-08	2.45E-07	1.04E-07
3171	471863.09	3846877	1.65E-03	1.61E-03	1.59E-03	5.71E-07	1.72E-06	9.98E-07	9.74E-07	8.83E-07	4.03E-07	3.98E-07	1.91E-08	4.61E-07	1.02E-07	1.32E-07	2.10E-07	3.70E-08	2.62E-08	9.87E-07	5.21E-07	2.21E-07	2.60E-07	1.02E-07	5.21E-07	2.21E-07
3172	472363.09	3846877	2.09E-02	2.04E-02	2.02E-02	7.25E-06	2.19E-05	1.27E-05	1.24E-05	1.12E-05	5.11E-06	5.04E-06	2.42E-07	5.85E-06	1.29E-06	1.68E-06	2.66E-06	4.69E-07	3.33E-07	1.25E-05	6.61E-06	2.80E-06	3.30E-06	1.30E-06	6.61E-06	2.80E-06
3173	472863.09	3846877	2.51E-03	2.45E-03	2.41E-03	8.68E-07	2.62E-06	1.52E-06	1.48E-06	1.34E-06	6.12E-07	6.04E-07	2.90E-08	7.00E-07	1.54E-07	2.01E-07	3.19E-07	5.62E-08	3.99E-08	1.50E-06	7.91E-07	3.36E-07	3.95E-07	1.55E-07	7.91E-07	3.36E-07
3174	473363.09	3846877	1.55E-03	1.51E-03	1.49E-03	5.36E-07	1.62E-06	9.37E-07	9.14E-07	8.28E-07	3.78E-07	3.73E-07	1.79E-08	4.32E-07	9.54E-08	1.24E-07	1.97E-07	3.47E-08	2.46E-08	9.26E-07	4.89E-07	2.07E-07	2.44E-07	9.58E-08	4.89E-07	2.07E-07
3175	473863.09	3846877	1.25E-03	1.22E-03	1.21E-03	4.33E-07	1.31E-06	7.57E-07	7.39E-07	6.70E-07	3.06E-07	3.02E-07	1.45E-08	3.49E-07	7.71E-08	1.00E-07	1.59E-07	2.81E-08	1.99E-08	7.49E-07	3.95E-07	1.68E-07	1.97E-07	7.75E-08	3.95E-07	1.68E-07

3176	474363.09	3846877	1.00E-03	9.80E-04	9.67E-04	3.48E-07	1.05E-06	6.08E-07	5.93E-07	5.38E-07	2.45E-07	2.42E-07	1.16E-08	2.80E-07	6.19E-08	8.05E-08	1.28E-07	2.25E-08	1.60E-08	6.01E-07	3.17E-07	1.35E-07	1.58E-07	6.22E-08	3.17E-07	1.35E-07
3177	474863.09	3846877	8.53E-04	8.33E-04	8.22E-04	2.95E-07	8.92E-07	5.16E-07	5.04E-07	4.57E-07	2.08E-07	2.06E-07	9.86E-09	2.38E-07	5.26E-08	6.84E-08	1.09E-07	1.91E-08	1.36E-08	5.10E-07	2.69E-07	1.14E-07	1.34E-07	5.28E-08	2.69E-07	1.14E-07
3178	475363.09	3846877	7.44E-04	7.26E-04	7.17E-04	2.58E-07	7.78E-07	4.50E-07	4.39E-07	3.98E-07	1.82E-07	1.79E-07	8.60E-09	2.08E-07	4.59E-08	5.97E-08	9.47E-08	1.67E-08	1.18E-08	4.45E-07	2.35E-07	9.97E-08	1.17E-07	4.61E-08	2.35E-07	9.97E-08
3179	475863.09	3846877	6.99E-04	6.82E-04	6.73E-04	2.42E-07	7.31E-07	4.23E-07	4.13E-07	3.74E-07	1.71E-07	1.68E-07	8.08E-09	1.95E-07	4.31E-08	5.60E-08	8.89E-08	1.57E-08	1.11E-08	4.18E-07	2.21E-07	9.36E-08	1.10E-07	4.33E-08	2.21E-07	9.36E-08
3180	476363.09	3846877	6.38E-04	6.23E-04	6.14E-04	2.21E-07	6.67E-07	3.86E-07	3.77E-07	3.42E-07	1.56E-07	1.54E-07	7.38E-09	1.78E-07	3.93E-08	5.12E-08	8.11E-08	1.43E-08	1.01E-08	3.82E-07	2.01E-07	8.54E-08	1.01E-07	3.95E-08	2.01E-07	8.54E-08
3181	476863.09	3846877	5.78E-04	5.64E-04	5.56E-04	2.00E-07	6.04E-07	3.49E-07	3.41E-07	3.09E-07	1.41E-07	1.39E-07	6.68E-09	1.61E-07	3.56E-08	4.63E-08	7.34E-08	1.29E-08	9.18E-09	3.45E-07	1.82E-07	7.73E-08	9.10E-08	3.57E-08	1.82E-07	7.73E-08
3182	477363.09	3846877	5.31E-04	5.18E-04	5.11E-04	1.84E-07	5.55E-07	3.21E-07	3.14E-07	2.84E-07	1.30E-07	1.28E-07	6.14E-09	1.48E-07	3.27E-08	4.26E-08	6.75E-08	1.19E-08	8.44E-09	3.18E-07	1.68E-07	7.11E-08	8.37E-08	3.29E-08	1.68E-07	7.11E-08
3183	477863.09	3846877	4.84E-04	4.72E-04	4.66E-04	1.67E-07	5.06E-07	2.93E-07	2.86E-07	2.59E-07	1.18E-07	1.17E-07	5.59E-09	1.35E-07	2.98E-08	3.88E-08	6.15E-08	1.08E-08	7.69E-09	2.89E-07	1.53E-07	6.48E-08	7.62E-08	2.99E-08	1.53E-07	6.48E-08
3184	478363.09	3846877	4.49E-04	4.38E-04	4.32E-04	1.55E-07	4.69E-07	2.72E-07	2.65E-07	2.40E-07	1.10E-07	1.08E-07	5.19E-09	1.25E-07	2.77E-08	3.60E-08	5.71E-08	1.01E-08	7.14E-09	2.68E-07	1.42E-07	6.01E-08	7.07E-08	2.78E-08	1.42E-07	6.01E-08
3185	478863.09	3846877	4.25E-04	4.15E-04	4.09E-04	1.47E-07	4.44E-07	2.57E-07	2.51E-07	2.28E-07	1.04E-07	1.02E-07	4.92E-09	1.19E-07	2.62E-08	3.41E-08	5.41E-08	9.53E-09	6.76E-09	2.54E-07	1.34E-07	5.69E-08	6.70E-08	2.63E-08	1.34E-07	5.69E-08
3186	479363.09	3846877	3.99E-04	3.89E-04	3.84E-04	1.38E-07	4.17E-07	2.41E-07	2.35E-07	2.13E-07	9.74E-08	9.61E-08	4.61E-09	1.11E-07	2.46E-08	3.20E-08	5.07E-08	8.94E-09	6.34E-09	2.38E-07	1.26E-07	5.34E-08	6.28E-08	2.47E-08	1.26E-07	5.34E-08
3187	479863.09	3846877	3.54E-04	3.46E-04	3.41E-04	1.23E-07	3.70E-07	2.14E-07	2.09E-07	1.90E-07	8.65E-08	8.54E-08	4.10E-09	9.89E-08	2.18E-08	2.84E-08	4.51E-08	7.94E-09	5.63E-09	2.12E-07	1.12E-07	4.74E-08	5.58E-08	2.19E-08	1.12E-07	4.74E-08
3188	480363.09	3846877	3.23E-04	3.15E-04	3.11E-04	1.12E-07	3.38E-07	1.96E-07	1.91E-07	1.73E-07	7.89E-08	7.79E-08	3.74E-09	9.02E-08	1.99E-08	2.59E-08	4.11E-08	7.24E-09	5.14E-09	1.93E-07	1.02E-07	4.33E-08	5.09E-08	2.00E-08	1.02E-07	4.33E-08
3189	480863.09	3846877	3.04E-04	2.97E-04	2.93E-04	1.05E-07	3.18E-07	1.84E-07	1.80E-07	1.63E-07	7.43E-08	7.33E-08	3.52E-09	8.49E-08	1.87E-08	2.44E-08	3.87E-08	6.82E-09	4.83E-09	1.82E-07	9.60E-08	4.07E-08	4.79E-08	1.88E-08	9.60E-08	4.07E-08
3190	481363.09	3846877	3.00E-04	2.93E-04	2.89E-04	1.04E-07	3.14E-07	1.82E-07	1.77E-07	1.61E-07	7.34E-08	7.24E-08	3.47E-09	8.39E-08	1.85E-08	2.41E-08	3.82E-08	6.73E-09	4.77E-09	1.80E-07	9.48E-08	4.02E-08	4.73E-08	1.86E-08	9.48E-08	4.02E-08
3191	481863.09	3846877	2.89E-04	2.82E-04	2.78E-04	1.00E-07	3.02E-07	1.75E-07	1.70E-07	1.55E-07	7.05E-08	6.96E-08	3.34E-09	8.06E-08	1.78E-08	2.31E-08	3.67E-08	6.47E-09	4.59E-09	1.73E-07	9.11E-08	3.87E-08	4.55E-08	1.79E-08	9.11E-08	3.87E-08
3192	482363.09	3846877	2.66E-04	2.60E-04	2.56E-04	9.22E-08	2.78E-07	1.61E-07	1.57E-07	1.43E-07	6.50E-08	6.42E-08	3.08E-09	7.44E-08	1.64E-08	2.14E-08	3.39E-08	5.97E-09	4.23E-09	1.59E-07	8.41E-08	3.57E-08	4.20E-08	1.65E-08	8.41E-08	3.57E-08
3193	482863.09	3846877	2.57E-04	2.51E-04	2.48E-04	8.90E-08	2.69E-07	1.56E-07	1.52E-07	1.38E-07	6.28E-08	6.20E-08	2.97E-09	7.18E-08	1.58E-08	2.06E-08	3.27E-08	5.77E-09	4.09E-09	1.54E-07	8.12E-08	3.44E-08	4.05E-08	1.59E-08	8.12E-08	3.44E-08
3194	483363.09	3846877	2.49E-04	2.43E-04	2.40E-04	8.63E-08	2.61E-07	1.51E-07	1.47E-07	1.33E-07	6.09E-08	6.01E-08	2.88E-09	6.96E-08	1.54E-08	2.00E-08	3.17E-08	5.59E-09	3.96E-09	1.49E-07	7.87E-08	3.34E-08	3.93E-08	1.54E-08	7.87E-08	3.34E-08
3195	483863.09	3846877	2.42E-04	2.36E-04	2.33E-04	8.39E-08	2.53E-07	1.47E-07	1.43E-07	1.30E-07	5.92E-08	5.84E-08	2.80E-09	6.77E-08	1.49E-08	1.94E-08	3.08E-08	5.43E-09	3.85E-09	1.45E-07	7.65E-08	3.24E-08	3.82E-08	1.50E-08	7.65E-08	3.24E-08
3196	484363.09	3846877	2.39E-04	2.33E-04	2.30E-04	8.26E-08	2.49E-07	1.44E-07	1.41E-07	1.28E-07	5.83E-08	5.75E-08	2.76E-09	6.66E-08	1.47E-08	1.91E-08	3.03E-08	5.35E-09	3.79E-09	1.43E-07	7.53E-08	3.19E-08	3.76E-08	1.48E-08	7.53E-08	3.19E-08
3197	484863.09	3846877	2.31E-04	2.25E-04	2.23E-04	8.00E-08	2.42E-07	1.40E-07	1.36E-07	1.24E-07	5.64E-08	5.57E-08	2.67E-09	6.45E-08	1.42E-08	1.85E-08	2.94E-08	5.18E-09	3.67E-09	1.38E-07	7.29E-08	3.09E-08	3.64E-08	1.43E-08	7.29E-08	3.09E-08
3198	485363.09	3846877	2.28E-04	2.22E-04	2.19E-04	7.88E-08	2.38E-07	1.38E-07	1.34E-07	1.22E-07	5.56E-08	5.49E-08	2.63E-09	6.36E-08	1.40E-08	1.83E-08	2.90E-08	5.10E-09	3.62E-09	1.36E-07	7.19E-08	3.05E-08	3.59E-08	1.41E-08	7.19E-08	3.05E-08
3199	485863.09	3846877	2.19E-04	2.14E-04	2.11E-04	7.60E-08	2.29E-07	1.33E-07	1.30E-07	1.17E-07	5.36E-08	5.29E-08	2.54E-09	6.13E-08	1.35E-08	1.76E-08	2.79E-08	4.92E-09	3.49E-09	1.31E-07	6.93E-08	2.94E-08	3.46E-08	1.36E-08	6.93E-08	2.94E-08
3200	486363.09	3846877	2.20E-04	2.15E-04	2.12E-04	7.63E-08	2.30E-07	1.33E-07	1.30E-07	1.18E-07	5.38E-08	5.31E-08	2.55E-09	6.15E-08	1.36E-08	1.77E-08	2.80E-08	4.94E-09	3.50E-09	1.32E-07	6.95E-08	2.95E-08	3.47E-08	1.36E-08	6.95E-08	2.95E-08
3201	486863.09	3846877	2.04E-04	1.99E-04	1.96E-04	7.05E-08	2.13E-07	1.23E-07	1.20E-07	1.09E-07	4.97E-08	4.91E-08	2.35E-09	5.69E-08	1.26E-08	1.63E-08	2.59E-08	4.57E-09	3.24E-09	1.22E-07	6.43E-08	2.73E-08	3.21E-08	1.26E-08	6.43E-08	2.73E-08
3202	487363.09	3846877	2.03E-04	1.98E-04	1.95E-04	7.02E-08	2.12E-07	1.23E-07	1.20E-07	1.09E-07	4.95E-08	4.89E-08	2.35E-09	5.66E-08	1.25E-08	1.63E-08	2.58E-08	4.55E-09	3.22E-09	1.21E-07	6.40E-08	2.72E-08	3.20E-08	1.26E-08	6.40E-08	2.72E-08
3203	487863.09	3846877	1.99E-04	1.94E-04	1.92E-04	6.89E-08	2.08E-07	1.20E-07	1.18E-07	1.07E-07	4.86E-08	4.80E-08	2.30E-09	5.56E-08	1.23E-08	1.60E-08	2.53E-08	4.46E-09	3.17E-09	1.19E-07	6.29E-08	2.67E-08	3.14E-08	1.23E-08	6.29E-08	2.67E-08
3204	488363.09	3846877	1.94E-04	1.89E-04	1.87E-04	6.71E-08	2.03E-07	1.17E-07	1.14E-07	1.04E-07	4.73E-08	4.67E-08	2.24E-09	5.41E-08	1.19E-08	1.55E-08	2.46E-08	4.34E-09	3.08E-09	1.16E-07	6.12E-08	2.59E-08	3.05E-08	1.20E-08	6.12E-08	2.59E-08
3205	488863.09	3846877	1.91E-04	1.86E-04	1.84E-04	6.61E-08	1.99E-07	1.15E-07	1.13E-07	1.02E-07	4.66E-08	4.60E-08	2.21E-09	5.33E-08	1.18E-08	1.53E-08	2.43E-08	4.28E-09	3.03E-09	1.14E-07	6.02E-08	2.56E-08	3.01E-08	1.18E-08	6.02E-08	2.56E-08
3206	489363.09	3846877	1.88E-04	1.84E-04	1.81E-04	6.52E-08	1.97E-07	1.14E-07	1.11E-07	1.01E-07	4.60E-08	4.54E-08	2.18E-09	5.26E-08	1.16E-08	1.51E-08	2.40E-08	4.22E-09	2.99E-09	1.13E-07	5.94E-08	2.52E-08	2.97E-08	1.17E-08	5.94E-08	2.52E-08
3207	489863.09	3846877	1.82E-04	1.78E-04	1.75E-04	6.30E-08	1.90E-07	1.10E-07	1.08E-07	9.75E-08	4.45E-08	4.39E-08	2.11E-09	5.09E-08	1.12E-08	1.46E-08	2.32E-08	4.08E-09	2.90E-09	1.09E-07	5.75E-08	2.44E-08	2.87E-08	1.13E-08	5.75E-08	2.44E-08
3208	490363.09	3846877	1.69E-04	1.65E-04	1.63E-04	5.86E-08	1.77E-07	1.02E-07	9.99E-08	9.06E-08	4.13E-08	4.08E-08	1.96E-09	4.73E-08	1.04E-08	1.36E-08	2.15E-08	3.79E-09	2.69E-09	1.01E-07	5.34E-08	2.27E-08	2.67E-08	1.05E-08	5.34E-08	2.27E-08
3209	490863.09	3846877	1.63E-04	1.60E-04	1.57E-04	5.66E-08	1.71E-07	9.89E-08	9.65E-08	8.75E-08	3.99E-08	3.94E-08	1.89E-09	4.56E-08	1.01E-08	1.31E-08	2.08E-08	3.66E-09	2.60E-09	9.78E-08	5.16E-08	2.19E-08	2.58E-08	1.01E-08	5.16E-08	2.19E-08
3210	491363.09	3846877	1.62E-04	1.58E-04	1.56E-04	5.60E-08	1.69E-07	9.79E-08	9.55E-08	8.66E-08	3.95E-08	3.90E-08	1.87E-09	4.52E-08	9.97E-09	1.30E-08	2.06E-08	3.63E-09	2.57E-09	9.68E-08	5.11E-08	2.17E-08	2.55E-08	1.00E-08	5.11E-08	2.17E-08
3211	491863.09	3846877	1.56E-04	1.52E-04	1.50E-04	5.40E-08	1.63E-07	9.44E-08	9.21E-08	8.35E-08	3.81E-08	3.76E-08	1.80E-09	4.36E-08	9.61E-09	1.25E-08	1.98E-08	3.50E-09	2.48E-09	9.33E-08	4.92E-08	2.09E-08	2.46E-08	9.65E-09	4.92E-08	2.09E-08
3212	492363.09	3846877	1.63E-04	1.60E-04	1.57E-04	5.66E-08	1.71E-07	9.89E-08	9.65E-08	8.75E-08	3.99E-08	3.94E-08	1.89E-09	4.56E-08	1.01E-08	1.31E-08	2.08E-08	3.66E-09	2.60E-09	9.78E-08	5.16E-08	2.19E-08	2.58E-08	1.01E-08	5.16E-08	2.19E-08
3213	492863.09	3846877	1.63E-04	1.59E-04	1.57E-04	5.63E-08	1.70E-07	9.84E-08	9.60E-08	8.70E-08	3.97E-08	3.92E-08	1.88E-09	4.54E-08	1.00E-08	1.30E-08	2.07E-08	3.64E-09	2.59E-09	9.73E-08	5.13E-08	2.18E-08	2.56E-08	1.01E-08	5.13E-08	2.18E-08
3214	493363.09	3846877	1.63E-04	1.59E-04	1.57E-04	5.64E-08	1.70E-07	9.87E-08	9.63E-08	8.73E-08	3.98E-08	3.93E-08	1.88E-09	4.55E-08	1.00E-08	1.31E-08	2.07E-08	3.65E-09	2.59E-09	9.75E-08	5.15E-08	2.18E-08	2.57E-08	1.01E-08	5.15E-08	2.18E-08
3215	493863.09	3846877	1.63E-04	1.59E-04	1.57E-04	5.63E-08	1.70E-07	9.84E-08	9.60E-08	8.70E-08	3.97E-08	3.92E-08	1.88E-09	4.54E-08	1.00E-08	1.30E-08	2.07E-08	3.64E-09	2.59E-09	9.73E-08	5.13E-08	2.18E-08	2.56E-08	1.01E-08	5.13E-08	2.18E-08
3216	494363.09	3846877	1.62E-04	1.58E-04	1.56E-04	5.60E-08	1.69E-07	9.79E-08	9.55E-08	8.66E-08	3.95E-08	3.90E-08	1.87E-09	4.52E-08	9.97E-09	1.30E-08	2.06E-08	3.63E-09	2.57E-09	9.68E-08	5.11E-08	2.17E-08	2.55E-08	1.00E-08	5.11E-08	2.17E-08
3217	494863.09	3846877	1.61E-04	1.57E-04	1.55E-04	5.57E-08	1.68E-07	9.74E-08	9.50E-08	8.62E-08	3.93E-08	3.88E-08	1.86E-09	4.49E-08	9.92E-09	1.29E-08	2.05E-08	3.61E-09	2.56E-09	9.63E-08	5.08E-08	2.16E-08	2.54E-08	9.96E-09	5.08E-08	2.16E-08
3218	495363.09	3846877	1.60E-04	1.56E-04	1.54E-04	5.54E-08	1.67E-07	9.69E-08	9.46E-08	8.57E-08	3.91E-08	3.86E-08	1.85E-09	4.47E-08	9.87E-09	1.28E-08	2.04E-08	3.59E-09	2.55E-09	9.58E-08	5.05E-08	2.14E-08	2.52E-08	9.91E-09	5.05E-08	2.14E-08
3219	495863.09	3846877	1.60E-04	1.56E-04	1.54E-04	5.53E-08	1.67E-07	9.66E-08	9.43E-08	8.55E-08	3.90E-08	3.85E-08	1.85E-09	4.46E-08	9.84E-09	1.28E-08	2.03E-08	3.58E-09	2.54E-09	9.55E-08	5.04E-08	2.14E-08	2.52E-08	9.89E-09	5.04E-08	2.14E-08
3220	496363.09	3846877	1.59E-04	1.55E-04	1.53E-04	5.51E-08	1.67E-07	9.64E-08	9.41E-08	8.53E-08	3.89E-08	3.84E-08	1.84E-09	4.45E-08	9.82E-09	1.28E-08	2.03E-08	3.57E-09	2.53E-09	9.53E-08	5.03E-08	2.13E-08	2.51E-08	9.86E-09	5.03E-08	2.13E-08
3221	496863.09	3846877	1.60E-04	1.56E-04	1.54E-04	5.54E-08	1.67E-07	9.69E-08	9.46E-08	8.57E-08	3.91E-08	3.86E-08	1.85E-09	4.47E-08	9.87E-09	1.28E-08	2.04E-08	3.59E-09	2.55E-09	9.58E-08	5.05E-08	2.14E-08	2.52E-08	9.91E-09	5.05E-08	2.14E-08
3222	497363.09	3846877	1.61E-04	1.57E-04	1.55E-04	5.59E-08	1.69E-07	9.77E-08	9.53E-08	8.64E-08	3.94E-08	3.89E-08	1.87E-09	4.51E-08	9.94E-09	1.29E-08	2.05E-08	3.62E-09	2.57E-09	9.65E-08	5.09E-08	2.16E-08	2.54E-08	9.99E-09	5.09E-08	2.16E-08
3223	497863.09	3846877	1.62E-04	1.58E-04	1.56E-04	5.60E-08	1.69E-07	9.79E-08	9.55E-08	8.66E-08	3.95E-08	3.90E-08	1.87E-09	4.52E-08	9.97E-09	1.30E-08	2.06E-08	3.63E-09	2.57E-09	9.68E-08	5.11E-08	2.17E-08	2.55E-08	1.00E-08	5.11E-08	2.17E-08
3224	498363.09	3846877	1.60E-04	1.56E-04	1.54E-04	5.53E-08	1.67E-07	9.66E-08	9.43E-08	8.55E-08	3.90E-08	3.85E-08	1.85E-09	4.46E-08	9.84E-09	1.28E-08	2.03E-08	3.58E-09	2.54E-09	9.55E-08	5.04E-08	2.14E-08	2.52E-08	9.89E-09	5.04E-08	2.14E-08
3225	471363.09	3847377	5.02E-04	4.90E-04	4.84E-04	1.74E-07	5.25E-07	3.04E-07	2.97E-07	2.69E-07	1.23E-07	1.21E-07	5.81E-09	1.40E-07	3.10E-08	4.03E-08	6.39E-08	1.13E-08	7.99E-09	3.00E-07	1.59E-07	6.73E-08	7.91E-08	3.11E-08	1.59E-07	6.73E-08
3226	471863.09	3847377	6.86E-04	6.70E-04	6.61E-04	2.38E-07	7.17E-07	4.15E-07	4.05E-07	3.67E-07	1.68E-07	1.65E-07	7.93E-09	1.92E-07	4.23E-08	5.50E-08	8.73E-08	1.54E-08	1.09E-08	4.10E-07	2.17E-07	9.19E-08	1.08E-07	4.25E-08	2.17E-07	9.19E-08
3227	472363.09	3847377	1.18E-03	1.15E-03	1.14E-03	4.09E-07	1.24E-06	7.15E-07	6.98E-07	6.33E-07	2.89E-07	2.85E-07	1.37E-08	3.30E-07	7.29E-08	9.48E-08	1.50E-07	2.65E-08	1.88E-08	7.07E-07	3.73E-07	1.58E-07	1.86E-07	7.32E-08	3.73E-07	1.58E-07
3228	472863.09	3847377	5.29E-03	5.16E-03	5.09E-03	1.83E-06	5.53E-06	3.20E-06	3.12E-06	2.83E-06	1.29E-06	1.28E-06	6.12E-08	1.48E-06	3.26E-07	4.24E-07	6.73E-07	1.19E-07	8.41E-08	3.16E-06	1.67E-06	7.09E-07	8.34E-07	3.27E-07	1.67E-06	7.09E-07
3229	473363.09	3847377	4.87E-03	4.76E-03	4.69E-03	1.69E-06	5.09E-06	2.95E-06	2.88E-06	2.61E-06	1.19E-06	1.17E-06	5.63E-08	1.36E-06	3.00E-07	3.91E-07	6.20E-07	1.09E-07	7.75E-08	2.92E-06	1.54E-06	6.53E-07	7.68E-07	3.02E-07	1.54E-06	6.53E-07
3230	473863.09	3847377	2.29E-03	2.24E-03	2.21E-03	7.93E-07	2.40E-06	1.39E-06	1.35E-06	1.23E-06	5.60E-07	5.52E-07	2.65E-08	6.40E-07	1.41E-07	1.84E-07	2.91E-07	5.14E-08	3.64E-08	1.37E-06	7.23E-07	3.07E-07	3.61E-07	1.42E-07	7.23E-07	3.07E-07
3231	474363.09	3847377	1.68E-03	1.64E-03	1.62E-03	5.82E-07	1.76E-06	1.02E-06	9.92E-07	9.00E-07	4.10E-07	4.05E-07	1.94E-08	4.69E-07	1.04E-07	1.35E-07	2.14E-07	3.77E-08	2.67E-08	1.01E-06	5.30E-07	2.25E-07	2.65E-07	1.04E-07	5.30E-07	2.25E-07
3232	474863.09	3847377	1.24E-03	1.21E-03	1.20E-03	4.30E-07	1.30E-06	7.52E-07	7.34E-07	6.65E-07	3.04E-07	3.00E-07	1.44E-08	3.47E-07	7.66E-08	9.97E-08	1.58E-07	2.79E-08	1.98E-08	7.44E-07	3.92E-07	1.67E-07	1.96E-07	7.70E-08	3.92E-07	1.67E-07
3233	475363.09	3847377	9.90E-04	9.66E-04	9.54E-04	3.43E-07	1.04E-06	5.99E-07	5.85E-07	5.30E-07	2.42E-07	2.39E-07	1.14E-08	2.77E-07	6.10E-08	7.94E-08	1.26E-07	2.22E-08	1.57E-08	5.92E-07	3.13E-07	1.33E-07	1.56E-07	6.13E-08	3.13E-07	1.33E-07
3234	475863.09	3847377	9.10E-04	8.88E-04	8.76E-04	3.15E-07	9.51E-07	5.51E-07	5.37E-07	4.87E-07	2.22E-07	2.19E-07	1.05E-08	2.54E-07	5.61E-08	7.29E-08	1.16E-07	2.04E-08	1.45E-08	5.44E-07	2.87E-07	1.22E-07	1.43E-07	5.63E-08	2.87E-07	1.22E-07
3235	476363.09	3847377	8.31E-04	8.11E-04	8.00E-04	2.88E-07	8.69E-07	5.03E-07	4.91E-07	4.45E-07	2.03E-07	2.00E-07	9.61E-09	2.32E-07	5.12E-08	6.66E-08	1.06E-07	1.86E-08	1.32E-08	4.97E-07	2.62E-07	1.11E-07	1.31E-07	5.14E-08	2.62E-07	1.11E-07
3236	476863.09	3847377	7.26E-04	7.08E-04	6.99E-04	2.51E-07	7.58E-07	4.39E-07	4.28E-07	3.88E-07	1.77E-07	1.75E-07	8.39E-09	2.03E-07	4.47E-08	5.82E-08	9.23E-08	1.63E-08	1.15E-08	4.34E-07	2.29E-07	9.72E-08	1.14E-07	4.49E-08	2.29E-07	9.72E-08
3237	477363.09	3847377	6.57E-04	6.41E-04	6.33E-04	2.27E-07	6.87E-07	3.98E-07	3.88E-07	3.52E-07	1.60E-07	1.58E-07	7.60E-09	1.83E-07	4.05E-08	5.27E-08	8.36E-08	1.47E-08	1.04E-08	3.93E-07	2.07E-07	8.80E-08	1.04E-07	4.07E-08	2.07E-07	8.80E-08
3238	477863.09	3847377	5.95E-04	5.80E-04	5.72E-04	2.06E-07	6.21E-07	3.60E-07	3.51E-07	3.18E-07	1.45E-07	1.43E-07	6.87E-09	1.66E-07	3.66E-08	4.77E-08	7.56E-08	1.33E-08	9.45E-09	3.56E-07	1.88E-07	7.96E-08	9.37E-08	3.68E-08	1.88E-07	7.96E-08
3239	478363.09	3847377	5.46E-04	5.32E-04	5.25E-04	1.89E-07	5.70E-07	3.30E-07	3.22E-07	2.92E-07	1.33E-07	1.31E-07	6.31E-09	1.52E-07	3.36E-08	4.37E-08	6.94E-08	1.22E-08	8.67E-09	3.26E-07	1.72E-07	7.31E-08	8.59E-08	3.38E-08	1.72E-07	7.31E-08
3240	478863.09	3847377	5.12E-04	5.00E-04	4.93E-04	1.77E-07	5.35E-07	3.10E-07	3.02E-07	2.74E-07	1.25E-07	1.23E-07	5.92E-09	1.43E-07	3.15E-08	4.10E-08	6.51E-08	1.15E-08	8.14E-09	3.06E-07	1.62E-07	6.86E-08	8.07E-08	3.17E-08	1.62E-07	6.86E-08
3241	479363.09	3847377	4.53E-04	4.42E-04	4.37E-04	1.57E-07	4.74E-07	2.74E-07	2.68E-07	2.43E-07	1.11E-07	1.09E-07	5.24E-09	1.27E-07	2.79E-08	3.64E-08	5.77E-08	1.02E-08	7.21E-09	2.71E-07	1.43E-07	6.07E-08	7.14E-08	2.81E-08	1.43E-07	6.07E-08
3242	479863.09	3847377	3.89E-04	3.79E-04	3.74E-04	1.35E-07	4.06E-07	2.35E-07	2.30E-07	2.08E-07	9.49E-08	9.37E-08	4.49E-09	1.09E-07	2.40E-08	3.12E-08	4.94E-08	8.71E-09	6.18E-09	2.32E-07	1.23E-07	5.21E-08	6.12E-08	2.41E-08	1.23E-07	5.21E-08
3243	480363.09	3847377	3.28E-04	3.20E-04	3.16E-04	1.13E-07	3.43E-07	1.98E-07	1.94E-07	1.75E-07	8.00E-08	7.90E-08	3.79E-09	9.15E-08	2.02E-08	2.63E-08	4.17E-08	7.35E-09	5.21E-09	1.96E-07	1.03E-07	4.39E-08	5.16E-08	2.03E-08	1.03E-07	4.39E-08
3244	480863.09	3847377	3.04E-04	2.96E-04	2.92E-04	1.05E-07	3.17E-07	1.84E-07	1.79E-07	1.63E-07	7.42E-08	7.32E-08	3.51E-09	8.48E-08	1.87E-08	2.43E-08	3.86E-08	6.81E-09	4.83E-09	1.82E-07	9.58E-08	4.07E-08	4.78E-08	1.88E-08	9.58E-08	4.07E-08
3245	481363.09	3847377	3.08E-04	3.01E-04	2.97E-04	1.07E-07	3.22E-07	1.87E-07	1.82E-07	1.65E-07	7.53E-08	7.43E-08	3.56E-09	8.61E-08	1.90E-08	2.47E-08	3.92E-08	6.91E-09	4.90E-09	1.84E-07	9.73E-08	4.13E-08	4.86E-08	1.91E-08	9.73E-08	4.13E-08
3246	481863.09	3847377	3.27E-04	3.19E-04	3.14E-04	1.13E-07	3.41E-07	1.98E-07	1.93E-07	1.75E-07	7.97E-08	7.87E-08	3.77E-09	9.12E-08	2.01E-08	2.62E-08	4.15E-08	7.32E-09	5.19E-09	1.95E-07	1.03E-07	4.37E-08	5.14E-08	2.02E-08	1.03E-07	4.37E-08
3247	482363.09	3847377	3.14E-04	3.06E-04	3.02E-04	1.09E-07	3.28E-07	1.90E-07	1.85E-07	1.68E-07	7.67E-08	7.57E-08	3.63E-09	8.77E-08	1.94E-08	2.52E-08	3.99E-08	7.04E-09	4.99E-09	1.88E-07	9.91E-08	4.21E-08	4.95E-08	1.94E-08	9.91E-08	4.21E-08
3248	482863.09	3847377	2.97E-04	2.90E-04	2.86E-04	1.03E-07	3.11E-07	1.80E-07	1.76E-07	1.59E-07	7.26E-08	7.17E-08	3.44E-09	8.31E-08	1.83E-08	2.38E-08	3.78E-08	6.67E-09	4.73E-09	1.78E-07	9.39E-08	3.98E-08	4.69E-08	1.84E-08	9.39E-08	3.98E-08
3249	483363.09	3847377	2.83E-04	2.76E-04	2.72E-04	9.78E-08	2.95E-07	1.71E-07	1.67E-07	1.51E-07	6.90E-08	6.81E-08	3.27E-09	7.89E-08	1.74E-08	2.26E-08	3.59E-08	6.33E-09	4.49E-09	1.69E-07	8.92E-08	3.78E-08	4.45E-08	1.75E-08	8.92E-08	3.78E-08

3250	483863.09	3847377	2.75E-04	2.68E-04	2.64E-04	9.51E-08	2.87E-07	1.66E-07	1.62E-07	1.47E-07	6.71E-08	6.62E-08	3.17E-09	7.67E-08	1.69E-08	2.20E-08	3.49E-08	6.16E-09	4.37E-09	1.64E-07	8.67E-08	3.68E-08	4.33E-08	1.70E-08	8.67E-08	3.68E-08
3251	484363.09	3847377	2.74E-04	2.67E-04	2.64E-04	9.48E-08	2.86E-07	1.66E-07	1.62E-07	1.47E-07	6.69E-08	6.60E-08	3.17E-09	7.65E-08	1.69E-08	2.20E-08	3.48E-08	6.14E-09	4.35E-09	1.64E-07	8.64E-08	3.67E-08	4.31E-08	1.69E-08	8.64E-08	3.67E-08
3252	484863.09	3847377	2.64E-04	2.57E-04	2.54E-04	9.13E-08	2.76E-07	1.60E-07	1.56E-07	1.41E-07	6.44E-08	6.36E-08	3.05E-09	7.37E-08	1.63E-08	2.12E-08	3.36E-08	5.91E-09	4.19E-09	1.58E-07	8.33E-08	3.53E-08	4.16E-08	1.63E-08	8.33E-08	3.53E-08
3253	485363.09	3847377	2.57E-04	2.51E-04	2.47E-04	8.89E-08	2.68E-07	1.55E-07	1.52E-07	1.37E-07	6.27E-08	6.19E-08	2.97E-09	7.17E-08	1.58E-08	2.06E-08	3.27E-08	5.76E-09	4.08E-09	1.54E-07	8.11E-08	3.44E-08	4.05E-08	1.59E-08	8.11E-08	3.44E-08
3254	485863.09	3847377	2.53E-04	2.47E-04	2.44E-04	8.76E-08	2.65E-07	1.53E-07	1.49E-07	1.35E-07	6.18E-08	6.10E-08	2.93E-09	7.07E-08	1.56E-08	2.03E-08	3.22E-08	5.67E-09	4.02E-09	1.51E-07	7.99E-08	3.39E-08	3.99E-08	1.57E-08	7.99E-08	3.39E-08
3255	486363.09	3847377	2.49E-04	2.43E-04	2.40E-04	8.63E-08	2.61E-07	1.51E-07	1.47E-07	1.33E-07	6.09E-08	6.01E-08	2.88E-09	6.96E-08	1.54E-08	2.00E-08	3.17E-08	5.59E-09	3.96E-09	1.49E-07	7.87E-08	3.34E-08	3.93E-08	1.54E-08	7.87E-08	3.34E-08
3256	486863.09	3847377	2.33E-04	2.27E-04	2.24E-04	8.06E-08	2.43E-07	1.41E-07	1.37E-07	1.25E-07	5.68E-08	5.61E-08	2.69E-09	6.50E-08	1.43E-08	1.87E-08	2.96E-08	5.22E-09	3.70E-09	1.39E-07	7.35E-08	3.12E-08	3.67E-08	1.44E-08	7.35E-08	3.12E-08
3257	487363.09	3847377	2.30E-04	2.25E-04	2.22E-04	7.97E-08	2.41E-07	1.39E-07	1.36E-07	1.23E-07	5.62E-08	5.55E-08	2.66E-09	6.43E-08	1.42E-08	1.85E-08	2.93E-08	5.16E-09	3.66E-09	1.38E-07	7.27E-08	3.08E-08	3.63E-08	1.43E-08	7.27E-08	3.08E-08
3258	487863.09	3847377	2.19E-04	2.14E-04	2.11E-04	7.60E-08	2.29E-07	1.33E-07	1.30E-07	1.17E-07	5.36E-08	5.29E-08	2.54E-09	6.13E-08	1.35E-08	1.76E-08	2.79E-08	4.92E-09	3.49E-09	1.31E-07	6.93E-08	2.94E-08	3.46E-08	1.36E-08	6.93E-08	2.94E-08
3259	488363.09	3847377	2.13E-04	2.08E-04	2.05E-04	7.38E-08	2.23E-07	1.29E-07	1.26E-07	1.14E-07	5.21E-08	5.14E-08	2.47E-09	5.95E-08	1.31E-08	1.71E-08	2.71E-08	4.78E-09	3.39E-09	1.28E-07	6.73E-08	2.86E-08	3.36E-08	1.32E-08	6.73E-08	2.86E-08
3260	488863.09	3847377	2.09E-04	2.04E-04	2.01E-04	7.24E-08	2.19E-07	1.27E-07	1.23E-07	1.12E-07	5.11E-08	5.04E-08	2.42E-09	5.84E-08	1.29E-08	1.68E-08	2.66E-08	4.69E-09	3.32E-09	1.25E-07	6.60E-08	2.80E-08	3.29E-08	1.29E-08	6.60E-08	2.80E-08
3261	489363.09	3847377	2.05E-04	2.00E-04	1.98E-04	7.11E-08	2.15E-07	1.24E-07	1.21E-07	1.10E-07	5.02E-08	4.95E-08	2.37E-09	5.73E-08	1.27E-08	1.65E-08	2.61E-08	4.60E-09	3.26E-09	1.23E-07	6.48E-08	2.75E-08	3.24E-08	1.27E-08	6.48E-08	2.75E-08
3262	489863.09	3847377	1.96E-04	1.91E-04	1.89E-04	6.78E-08	2.05E-07	1.18E-07	1.16E-07	1.05E-07	4.78E-08	4.72E-08	2.26E-09	5.47E-08	1.21E-08	1.57E-08	2.49E-08	4.39E-09	3.11E-09	1.17E-07	6.18E-08	2.62E-08	3.08E-08	1.21E-08	6.18E-08	2.62E-08
3263	490363.09	3847377	1.87E-04	1.82E-04	1.80E-04	6.46E-08	1.95E-07	1.13E-07	1.10E-07	9.99E-08	4.56E-08	4.50E-08	2.16E-09	5.21E-08	1.15E-08	1.50E-08	2.37E-08	4.18E-09	2.97E-09	1.12E-07	5.89E-08	2.50E-08	2.94E-08	1.16E-08	5.89E-08	2.50E-08
3264	490863.09	3847377	1.83E-04	1.79E-04	1.76E-04	6.33E-08	1.91E-07	1.11E-07	1.08E-07	9.79E-08	4.47E-08	4.41E-08	2.11E-09	5.11E-08	1.13E-08	1.47E-08	2.33E-08	4.10E-09	2.91E-09	1.09E-07	5.77E-08	2.45E-08	2.88E-08	1.13E-08	5.77E-08	2.45E-08
3265	491363.09	3847377	1.78E-04	1.74E-04	1.72E-04	6.18E-08	1.86E-07	1.08E-07	1.05E-07	9.55E-08	4.36E-08	4.30E-08	2.06E-09	4.98E-08	1.10E-08	1.43E-08	2.27E-08	4.00E-09	2.84E-09	1.07E-07	5.63E-08	2.39E-08	2.81E-08	1.10E-08	5.63E-08	2.39E-08
3266	491863.09	3847377	1.80E-04	1.76E-04	1.73E-04	6.23E-08	1.88E-07	1.09E-07	1.06E-07	9.64E-08	4.40E-08	4.34E-08	2.08E-09	5.03E-08	1.11E-08	1.44E-08	2.29E-08	4.04E-09	2.86E-09	1.08E-07	5.68E-08	2.41E-08	2.84E-08	1.11E-08	5.68E-08	2.41E-08
3267	492363.09	3847377	1.75E-04	1.71E-04	1.69E-04	6.07E-08	1.83E-07	1.06E-07	1.04E-07	9.39E-08	4.29E-08	4.23E-08	2.03E-09	4.90E-08	1.08E-08	1.41E-08	2.23E-08	3.93E-09	2.79E-09	1.05E-07	5.54E-08	2.35E-08	2.76E-08	1.09E-08	5.54E-08	2.35E-08
3268	492863.09	3847377	1.75E-04	1.71E-04	1.69E-04	6.06E-08	1.83E-07	1.06E-07	1.03E-07	9.37E-08	4.28E-08	4.22E-08	2.02E-09	4.89E-08	1.08E-08	1.40E-08	2.23E-08	3.92E-09	2.78E-09	1.05E-07	5.53E-08	2.34E-08	2.76E-08	1.08E-08	5.53E-08	2.34E-08
3269	493363.09	3847377	1.73E-04	1.69E-04	1.67E-04	6.00E-08	1.81E-07	1.05E-07	1.02E-07	9.28E-08	4.24E-08	4.18E-08	2.00E-09	4.84E-08	1.07E-08	1.39E-08	2.21E-08	3.89E-09	2.76E-09	1.04E-07	5.47E-08	2.32E-08	2.73E-08	1.07E-08	5.47E-08	2.32E-08
3270	493863.09	3847377	1.69E-04	1.65E-04	1.63E-04	5.86E-08	1.77E-07	1.02E-07	9.99E-08	9.06E-08	4.13E-08	4.08E-08	1.96E-09	4.73E-08	1.04E-08	1.36E-08	2.15E-08	3.79E-09	2.69E-09	1.01E-07	5.34E-08	2.27E-08	2.67E-08	1.05E-08	5.34E-08	2.27E-08
3271	494363.09	3847377	1.66E-04	1.62E-04	1.60E-04	5.74E-08	1.73E-07	1.00E-07	9.80E-08	8.88E-08	4.05E-08	4.00E-08	1.92E-09	4.63E-08	1.02E-08	1.33E-08	2.11E-08	3.72E-09	2.64E-09	9.92E-08	5.24E-08	2.22E-08	2.61E-08	1.03E-08	5.24E-08	2.22E-08
3272	494863.09	3847377	1.64E-04	1.60E-04	1.58E-04	5.67E-08	1.71E-07	9.92E-08	9.68E-08	8.77E-08	4.00E-08	3.95E-08	1.89E-09	4.58E-08	1.01E-08	1.31E-08	2.08E-08	3.67E-09	2.60E-09	9.80E-08	5.17E-08	2.19E-08	2.58E-08	1.01E-08	5.17E-08	2.19E-08
3273	495363.09	3847377	1.62E-04	1.58E-04	1.56E-04	5.62E-08	1.70E-07	9.82E-08	9.58E-08	8.68E-08	3.96E-08	3.91E-08	1.88E-09	4.53E-08	9.99E-09	1.30E-08	2.06E-08	3.64E-09	2.58E-09	9.70E-08	5.12E-08	2.17E-08	2.56E-08	1.00E-08	5.12E-08	2.17E-08
3274	495863.09	3847377	1.61E-04	1.57E-04	1.55E-04	5.59E-08	1.69E-07	9.77E-08	9.53E-08	8.64E-08	3.94E-08	3.89E-08	1.87E-09	4.51E-08	9.94E-09	1.29E-08	2.05E-08	3.62E-09	2.57E-09	9.65E-08	5.09E-08	2.16E-08	2.54E-08	9.99E-09	5.09E-08	2.16E-08
3275	496363.09	3847377	1.61E-04	1.57E-04	1.55E-04	5.56E-08	1.68E-07	9.71E-08	9.48E-08	8.59E-08	3.92E-08	3.87E-08	1.86E-09	4.48E-08	9.89E-09	1.29E-08	2.04E-08	3.60E-09	2.55E-09	9.60E-08	5.07E-08	2.15E-08	2.53E-08	9.94E-09	5.07E-08	2.15E-08
3276	496863.09	3847377	1.62E-04	1.58E-04	1.56E-04	5.60E-08	1.69E-07	9.79E-08	9.55E-08	8.66E-08	3.95E-08	3.90E-08	1.87E-09	4.52E-08	9.97E-09	1.30E-08	2.06E-08	3.63E-09	2.57E-09	9.68E-08	5.11E-08	2.17E-08	2.55E-08	1.00E-08	5.11E-08	2.17E-08
3277	497363.09	3847377	1.64E-04	1.60E-04	1.58E-04	5.67E-08	1.71E-07	9.92E-08	9.68E-08	8.77E-08	4.00E-08	3.95E-08	1.89E-09	4.58E-08	1.01E-08	1.31E-08	2.08E-08	3.67E-09	2.60E-09	9.80E-08	5.17E-08	2.19E-08	2.58E-08	1.01E-08	5.17E-08	2.19E-08
3278	497863.09	3847377	1.67E-04	1.63E-04	1.61E-04	5.79E-08	1.75E-07	1.01E-07	9.87E-08	8.95E-08	4.08E-08	4.03E-08	1.93E-09	4.67E-08	1.03E-08	1.34E-08	2.13E-08	3.75E-09	2.66E-09	1.00E-07	5.28E-08	2.24E-08	2.63E-08	1.03E-08	5.28E-08	2.24E-08
3279	498363.09	3847377	1.66E-04	1.62E-04	1.60E-04	5.76E-08	1.74E-07	1.01E-07	9.82E-08	8.90E-08	4.06E-08	4.01E-08	1.92E-09	4.65E-08	1.03E-08	1.33E-08	2.12E-08	3.73E-09	2.64E-09	9.95E-08	5.25E-08	2.23E-08	2.62E-08	1.03E-08	5.25E-08	2.23E-08
3280	471363.09	3847877	3.96E-04	3.87E-04	3.81E-04	1.37E-07	4.14E-07	2.40E-07	2.34E-07	2.12E-07	9.68E-08	9.55E-08	4.58E-09	1.11E-07	2.44E-08	3.18E-08	5.04E-08	8.88E-09	6.30E-09	2.37E-07	1.25E-07	5.31E-08	6.24E-08	2.45E-08	1.25E-07	5.31E-08
3281	471863.09	3847877	4.80E-04	4.68E-04	4.62E-04	1.66E-07	5.02E-07	2.90E-07	2.83E-07	2.57E-07	1.17E-07	1.16E-07	5.55E-09	1.34E-07	2.96E-08	3.85E-08	6.10E-08	1.08E-08	7.63E-09	2.87E-07	1.52E-07	6.43E-08	7.56E-08	2.97E-08	1.52E-07	6.43E-08
3282	472363.09	3847877	6.30E-04	6.15E-04	6.06E-04	2.18E-07	6.58E-07	3.81E-07	3.72E-07	3.37E-07	1.54E-07	1.52E-07	7.28E-09	1.76E-07	3.88E-08	5.05E-08	8.01E-08	1.41E-08	1.00E-08	3.77E-07	1.99E-07	8.43E-08	9.92E-08	3.90E-08	1.99E-07	8.43E-08
3283	472863.09	3847877	9.34E-04	9.11E-04	8.99E-04	3.23E-07	9.76E-07	5.65E-07	5.51E-07	5.00E-07	2.28E-07	2.25E-07	1.08E-08	2.61E-07	5.75E-08	7.49E-08	1.19E-07	2.09E-08	1.48E-08	5.58E-07	2.95E-07	1.25E-07	1.47E-07	5.78E-08	2.95E-07	1.25E-07
3284	473363.09	3847877	1.85E-03	1.80E-03	1.78E-03	6.39E-07	1.93E-06	1.12E-06	1.09E-06	9.88E-07	4.51E-07	4.45E-07	2.13E-08	5.15E-07	1.14E-07	1.48E-07	2.35E-07	4.14E-08	2.93E-08	1.10E-06	5.83E-07	2.47E-07	2.91E-07	1.14E-07	5.83E-07	2.47E-07
3285	473863.09	3847877	3.24E-02	3.16E-02	3.12E-02	1.12E-05	3.39E-05	1.96E-05	1.91E-05	1.73E-05	7.92E-06	7.81E-06	3.75E-07	9.05E-06	2.00E-06	2.60E-06	4.12E-06	7.26E-07	5.15E-07	1.94E-05	1.02E-05	4.34E-06	5.11E-06	2.01E-06	1.02E-05	4.34E-06
3286	474363.09	3847877	3.52E-03	3.43E-03	3.39E-03	1.22E-06	3.68E-06	2.13E-06	2.08E-06	1.88E-06	8.60E-07	8.48E-07	4.07E-08	9.83E-07	2.17E-07	2.82E-07	4.48E-07	7.89E-08	5.59E-08	2.10E-06	1.11E-06	4.71E-07	5.54E-07	2.18E-07	1.11E-06	4.71E-07
3287	474863.09	3847877	2.13E-03	2.08E-03	2.05E-03	7.38E-07	2.23E-06	1.29E-06	1.26E-06	1.14E-06	5.21E-07	5.14E-07	2.47E-08	5.95E-07	1.31E-07	1.71E-07	2.71E-07	4.78E-08	3.39E-08	1.28E-06	6.73E-07	2.86E-07	3.36E-07	1.32E-07	6.73E-07	2.86E-07
3288	475363.09	3847877	1.43E-03	1.40E-03	1.38E-03	4.95E-07	1.50E-06	8.66E-07	8.45E-07	7.66E-07	3.49E-07	3.45E-07	1.65E-08	4.00E-07	8.82E-08	1.15E-07	1.82E-07	3.21E-08	2.27E-08	8.56E-07	4.52E-07	1.92E-07	2.25E-07	8.86E-08	4.52E-07	1.92E-07
3289	475863.09	3847877	1.10E-03	1.07E-03	1.06E-03	3.81E-07	1.15E-06	6.66E-07	6.50E-07	5.89E-07	2.69E-07	2.65E-07	1.27E-08	3.07E-07	6.78E-08	8.82E-08	1.40E-07	2.47E-08	1.75E-08	6.58E-07	3.47E-07	1.47E-07	1.73E-07	6.81E-08	3.47E-07	1.47E-07
3290	476363.09	3847877	1.05E-03	1.02E-03	1.01E-03	3.63E-07	1.10E-06	6.35E-07	6.19E-07	5.61E-07	2.56E-07	2.53E-07	1.21E-08	2.93E-07	6.46E-08	8.41E-08	1.33E-07	2.35E-08	1.67E-08	6.27E-07	3.31E-07	1.40E-07	1.65E-07	6.49E-08	3.31E-07	1.40E-07
3291	476863.09	3847877	9.16E-04	8.94E-04	8.82E-04	3.17E-07	9.58E-07	5.55E-07	5.41E-07	4.91E-07	2.24E-07	2.21E-07	1.06E-08	2.56E-07	5.65E-08	7.35E-08	1.17E-07	2.05E-08	1.46E-08	5.48E-07	2.89E-07	1.23E-07	1.44E-07	5.67E-08	2.89E-07	1.23E-07
3292	477363.09	3847877	8.10E-04	7.91E-04	7.80E-04	2.80E-07	8.47E-07	4.90E-07	4.78E-07	4.34E-07	1.98E-07	1.95E-07	9.37E-09	2.26E-07	4.99E-08	6.50E-08	1.03E-07	1.82E-08	1.29E-08	4.85E-07	2.56E-07	1.09E-07	1.28E-07	5.01E-08	2.56E-07	1.09E-07
3293	477863.09	3847877	7.34E-04	7.16E-04	7.07E-04	2.54E-07	7.67E-07	4.44E-07	4.33E-07	3.93E-07	1.79E-07	1.77E-07	8.48E-09	2.05E-07	4.52E-08	5.88E-08	9.33E-08	1.64E-08	1.17E-08	4.39E-07	2.32E-07	9.83E-08	1.16E-07	4.54E-08	2.32E-07	9.83E-08
3294	478363.09	3847877	6.65E-04	6.49E-04	6.41E-04	2.30E-07	6.96E-07	4.03E-07	3.93E-07	3.56E-07	1.63E-07	1.60E-07	7.69E-09	1.86E-07	4.10E-08	5.33E-08	8.46E-08	1.49E-08	1.06E-08	3.98E-07	2.10E-07	8.91E-08	1.05E-07	4.12E-08	2.10E-07	8.91E-08
3295	478863.09	3847877	6.14E-04	5.99E-04	5.91E-04	2.12E-07	6.41E-07	3.71E-07	3.62E-07	3.28E-07	1.50E-07	1.48E-07	7.09E-09	1.71E-07	3.78E-08	4.92E-08	7.80E-08	1.38E-08	9.75E-09	3.67E-07	1.94E-07	8.22E-08	9.67E-08	3.80E-08	1.94E-07	8.22E-08
3296	479363.09	3847877	5.13E-04	5.01E-04	4.94E-04	1.78E-07	5.36E-07	3.11E-07	3.03E-07	2.75E-07	1.25E-07	1.24E-07	5.93E-09	1.43E-07	3.16E-08	4.11E-08	6.53E-08	1.15E-08	8.16E-09	3.07E-07	1.62E-07	6.87E-08	8.08E-08	3.18E-08	1.62E-07	6.87E-08
3297	479863.09	3847877	3.98E-04	3.89E-04	3.83E-04	1.38E-07	4.16E-07	2.41E-07	2.35E-07	2.13E-07	9.73E-08	9.60E-08	4.60E-09	1.11E-07	2.45E-08	3.19E-08	5.06E-08	8.93E-09	6.33E-09	2.38E-07	1.26E-07	5.33E-08	6.27E-08	2.46E-08	1.26E-07	5.33E-08
3298	480363.09	3847877	3.92E-04	3.82E-04	3.77E-04	1.36E-07	4.09E-07	2.37E-07	2.31E-07	2.10E-07	9.56E-08	9.44E-08	4.53E-09	1.09E-07	2.41E-08	3.14E-08	4.98E-08	8.78E-09	6.23E-09	2.34E-07	1.24E-07	5.24E-08	6.17E-08	2.42E-08	1.24E-07	5.24E-08
3299	480863.09	3847877	3.61E-04	3.52E-04	3.47E-04	1.25E-07	3.77E-07	2.18E-07	2.13E-07	1.93E-07	8.80E-08	8.69E-08	4.17E-09	1.01E-07	2.22E-08	2.89E-08	4.58E-08	8.08E-09	5.73E-09	2.16E-07	1.14E-07	4.83E-08	5.68E-08	2.23E-08	1.14E-07	4.83E-08
3300	481363.09	3847877	3.51E-04	3.42E-04	3.38E-04	1.21E-07	3.66E-07	2.12E-07	2.07E-07	1.88E-07	8.56E-08	8.45E-08	4.05E-09	9.79E-08	2.16E-08	2.81E-08	4.46E-08	7.86E-09	5.57E-09	2.10E-07	1.11E-07	4.69E-08	5.52E-08	2.17E-08	1.11E-07	4.69E-08
3301	481863.09	3847877	3.83E-04	3.73E-04	3.68E-04	1.32E-07	4.00E-07	2.31E-07	2.26E-07	2.05E-07	9.34E-08	9.22E-08	4.42E-09	1.07E-07	2.36E-08	3.07E-08	4.86E-08	8.57E-09	6.08E-09	2.29E-07	1.21E-07	5.12E-08	6.03E-08	2.37E-08	1.21E-07	5.12E-08
3302	482363.09	3847877	3.62E-04	3.53E-04	3.48E-04	1.25E-07	3.78E-07	2.19E-07	2.14E-07	1.94E-07	8.84E-08	8.72E-08	4.18E-09	1.01E-07	2.23E-08	2.90E-08	4.60E-08	8.11E-09	5.75E-09	2.16E-07	1.14E-07	4.84E-08	5.70E-08	2.24E-08	1.14E-07	4.84E-08
3303	482863.09	3847877	3.38E-04	3.30E-04	3.26E-04	1.17E-07	3.53E-07	2.05E-07	2.00E-07	1.81E-07	8.26E-08	8.15E-08	3.91E-09	9.44E-08	2.08E-08	2.71E-08	4.30E-08	7.58E-09	5.37E-09	2.02E-07	1.07E-07	4.53E-08	5.33E-08	2.09E-08	1.07E-07	4.53E-08
3304	483363.09	3847877	3.22E-04	3.14E-04	3.10E-04	1.11E-07	3.36E-07	1.95E-07	1.90E-07	1.72E-07	7.85E-08	7.75E-08	3.72E-09	8.98E-08	1.98E-08	2.58E-08	4.09E-08	7.21E-09	5.11E-09	1.92E-07	1.01E-07	4.31E-08	5.07E-08	1.99E-08	1.01E-07	4.31E-08
3305	483863.09	3847877	3.12E-04	3.05E-04	3.01E-04	1.08E-07	3.27E-07	1.89E-07	1.84E-07	1.67E-07	7.63E-08	7.53E-08	3.61E-09	8.72E-08	1.92E-08	2.50E-08	3.97E-08	7.00E-09	4.97E-09	1.87E-07	9.86E-08	4.18E-08	4.92E-08	1.93E-08	9.86E-08	4.18E-08
3306	484363.09	3847877	3.09E-04	3.02E-04	2.98E-04	1.07E-07	3.23E-07	1.87E-07	1.82E-07	1.65E-07	7.55E-08	7.45E-08	3.57E-09	8.63E-08	1.90E-08	2.48E-08	3.93E-08	6.93E-09	4.91E-09	1.85E-07	9.76E-08	4.14E-08	4.87E-08	1.91E-08	9.76E-08	4.14E-08
3307	484863.09	3847877	2.99E-04	2.92E-04	2.88E-04	1.04E-07	3.13E-07	1.81E-07	1.77E-07	1.60E-07	7.31E-08	7.21E-08	3.46E-09	8.35E-08	1.84E-08	2.40E-08	3.80E-08	6.70E-09	4.75E-09	1.79E-07	9.44E-08	4.01E-08	4.71E-08	1.85E-08	9.44E-08	4.01E-08
3308	485363.09	3847877	2.94E-04	2.87E-04	2.83E-04	1.02E-07	3.07E-07	1.78E-07	1.73E-07	1.57E-07	7.17E-08	7.08E-08	3.40E-09	8.20E-08	1.81E-08	2.35E-08	3.74E-08	6.58E-09	4.67E-09	1.76E-07	9.27E-08	3.93E-08	4.63E-08	1.82E-08	9.27E-08	3.93E-08
3309	485863.09	3847877	2.88E-04	2.81E-04	2.77E-04	9.97E-08	3.01E-07	1.74E-07	1.70E-07	1.54E-07	7.03E-08	6.94E-08	3.33E-09	8.04E-08	1.77E-08	2.31E-08	3.66E-08	6.45E-09	4.58E-09	1.72E-07	9.09E-08	3.86E-08	4.54E-08	1.78E-08	9.09E-08	3.86E-08
3310	486363.09	3847877	2.74E-04	2.67E-04	2.64E-04	9.48E-08	2.86E-07	1.66E-07	1.62E-07	1.47E-07	6.69E-08	6.60E-08	3.17E-09	7.65E-08	1.69E-08	2.20E-08	3.48E-08	6.14E-09	4.35E-09	1.64E-07	8.64E-08	3.67E-08	4.31E-08	1.69E-08	8.64E-08	3.67E-08
3311	486863.09	3847877	2.62E-04	2.56E-04	2.52E-04	9.08E-08	2.74E-07	1.59E-07	1.55E-07	1.40E-07	6.40E-08	6.32E-08	3.03E-09	7.32E-08	1.62E-08	2.10E-08	3.33E-08	5.88E-09	4.17E-09	1.57E-07	8.28E-08	3.51E-08	4.13E-08	1.62E-08	8.28E-08	3.51E-08
3312	487363.09	3847877	2.53E-04	2.47E-04	2.44E-04	8.76E-08	2.65E-07	1.53E-07	1.49E-07	1.35E-07	6.18E-08	6.10E-08	2.93E-09	7.07E-08	1.56E-08	2.03E-08	3.22E-08	5.67E-09	4.02E-09	1.51E-07	7.99E-08	3.39E-08	3.99E-08	1.57E-08	7.99E-08	3.39E-08
3313	487863.09	3847877	2.41E-04	2.35E-04	2.32E-04	8.34E-08	2.52E-07	1.46E-07	1.42E-07	1.29E-07	5.89E-08	5.81E-08	2.79E-09	6.73E-08	1.49E-08	1.93E-08	3.07E-08	5.40E-09	3.83E-09	1.44E-07	7.61E-08	3.23E-08	3.80E-08	1.49E-08	7.61E-08	3.23E-08
3314	488363.09	3847877	2.34E-04	2.28E-04	2.25E-04	8.09E-08	2.44E-07	1.41E-07	1.38E-07	1.25E-07	5.70E-08	5.63E-08	2.70E-09	6.52E-08	1.44E-08	1.87E-08	2.97E-08	5.24E-09	3.71E-09	1.40E-07	7.37E-08	3.13E-08	3.68E-08	1.45E-08	7.37E-08	3.13E-08
3315	488863.09	3847877	2.29E-04	2.23E-04	2.20E-04	7.91E-08	2.39E-07	1.38E-07	1.35E-07	1.22E-07	5.58E-08	5.51E-08	2.64E-09	6.38E-08	1.41E-08	1.83E-08	2.91E-08	5.12E-09	3.63E-09	1.37E-07	7.21E-08	3.06E-08	3.60E-08	1.41E-08	7.21E-08	3.06E-08
3316	489363.09	3847877	2.24E-04	2.18E-04	2.15E-04	7.74E-08	2.34E-07	1.35E-07	1.32E-07	1.20E-07	5.46E-08	5.39E-08	2.58E-09	6.24E-08	1.38E-08	1.79E-08	2.84E-08	5.01E-09	3.55E-09	1.34E-07	7.06E-08	2.99E-08	3.52E-08	1.38E-08	7.06E-08	2.99E-08
3317	489863.09	3847877	2.22E-04	2.17E-04	2.14E-04	7.68E-08	2.32E-07	1.34E-07	1.31E-07	1.19E-07	5.42E-08	5.35E-08	2.57E-09	6.20E-08	1.37E-08	1.78E-08	2.82E-08	4.97E-09	3.53E-09	1.33E-07	7.01E-08	2.97E-08	3.50E-08	1.37E-08	7.01E-08	2.97E-08
3318	490363.09	3847877	2.16E-04	2.11E-04	2.08E-04	7.47E-08	2.25E-07	1.31E-07	1.27E-07	1.15E-07	5.27E-08	5.20E-08	2.49E-09	6.02E-08	1.33E-08	1.73E-08	2.74E-08	4.84E-09	3.43E-09	1.29E-07	6.81E-08	2.89E-08	3.40E-08	1.34E-08	6.81E-08	2.89E-08
3319	490863.09	3847877	2.08E-04	2.03E-04	2.00E-04	7.20E-08	2.17E-07	1.26E-07	1.23E-07	1.11E-07	5.08E-08	5.01E-08	2.40E-09	5.80E-08	1.28E-08	1.67E-08	2.64E-08	4.66E-09	3.30E-09	1.24E-07	6.56E-08	2.78E-08	3.27E-08	1.29E-08	6.56E-08	2.78E-08
3320	491363.09	3847877	1.97E-04	1.92E-04	1.90E-04	6.82E-08	2.06E-07	1.19E-07	1.16E-07	1.05E-07	4.81E-08	4.75E-08	2.28E-09	5.50E-08	1.21E-08	1.58E-08	2.51E-08	4.42E-09	3.13E-09	1.18E-07	6.22E-08	2.64E-08	3.10E-08	1.22E-08	6.22E-08	2.64E-08
3321	491863.09	3847877	1.93E-04	1.88E-04	1.86E-04	6.68E-08	2.02E-07	1.17E-07	1.14E-07	1.03E-07	4.71E-08	4.65E-08	2.23E-09	5.39E-08	1.19E-08	1.55E-08	2.45E-08	4.32E-09	3.07E-09	1.15E-07	6.09E-08	2.58E-08	3.04E-08	1.19E-08	6.09E-08	2.58E-08
3322	492363.09	3847877	1.90E-04	1.85E-04	1.83E-04	6.56E-08	1.98E-07	1.15E-07	1.12E-07	1.01E-07	4.63E-08	4.57E-08	2.19E-09	5.29E-08	1.17E-08	1.52E-08	2.41E-08	4.25E-09	3.01E-09	1.13E-07	5.98E-08	2.54E-08	2.99E-08	1.17E-08	5.98E-08	2.54E-08
3323	492863.09	3847877	1.86E-04	1.81E-04	1.79E-04	6.43E-08	1.94E-07	1.12E-07	1.10E-07	9.95E-08	4.54E-08	4.48E-08	2.15E-09	5.19E-08	1.15E-08	1.49E-08	2.36E-08	4.17E-09	2.95E-09	1.11E-07	5.87E-08	2.49E-08	2.93E-08	1.15E-08	5.87E-08	2.49E-08

3324	493363.09	3847877	1.78E-04	1.73E-04	1.71E-04	6.15E-08	1.86E-07	1.07E-07	1.05E-07	9.50E-08	4.34E-08	4.28E-08	2.05E-09	4.96E-08	1.09E-08	1.42E-08	2.26E-08	3.98E-09	2.82E-09	1.06E-07	5.60E-08	2.38E-08	2.80E-08	1.10E-08	5.60E-08	2.38E-08
3325	493863.09	3847877	1.72E-04	1.68E-04	1.65E-04	5.95E-08	1.80E-07	1.04E-07	1.01E-07	9.19E-08	4.19E-08	4.14E-08	1.99E-09	4.80E-08	1.06E-08	1.38E-08	2.18E-08	3.85E-09	2.73E-09	1.03E-07	5.42E-08	2.30E-08	2.71E-08	1.06E-08	5.42E-08	2.30E-08
3326	494363.09	3847877	1.68E-04	1.64E-04	1.62E-04	5.82E-08	1.76E-07	1.02E-07	9.92E-08	8.99E-08	4.10E-08	4.05E-08	1.94E-09	4.69E-08	1.04E-08	1.35E-08	2.14E-08	3.77E-09	2.67E-09	1.00E-07	5.30E-08	2.25E-08	2.65E-08	1.04E-08	5.30E-08	2.25E-08
3327	494863.09	3847877	1.66E-04	1.62E-04	1.60E-04	5.76E-08	1.74E-07	1.01E-07	9.82E-08	8.90E-08	4.06E-08	4.01E-08	1.92E-09	4.65E-08	1.03E-08	1.33E-08	2.12E-08	3.73E-09	2.64E-09	9.95E-08	5.25E-08	2.23E-08	2.62E-08	1.03E-08	5.25E-08	2.23E-08
3328	495363.09	3847877	1.62E-04	1.58E-04	1.56E-04	5.62E-08	1.70E-07	9.82E-08	9.58E-08	8.68E-08	3.96E-08	3.91E-08	1.88E-09	4.53E-08	9.99E-09	1.30E-08	2.06E-08	3.64E-09	2.58E-09	9.70E-08	5.12E-08	2.17E-08	2.56E-08	1.00E-08	5.12E-08	2.17E-08
3329	495863.09	3847877	1.52E-04	1.48E-04	1.46E-04	5.26E-08	1.59E-07	9.19E-08	8.97E-08	8.13E-08	3.71E-08	3.66E-08	1.76E-09	4.24E-08	9.36E-09	1.22E-08	1.93E-08	3.40E-09	2.41E-09	9.08E-08	4.79E-08	2.03E-08	2.39E-08	9.40E-09	4.79E-08	2.03E-08
3330	496363.09	3847877	1.61E-04	1.57E-04	1.55E-04	5.56E-08	1.68E-07	9.71E-08	9.48E-08	8.59E-08	3.92E-08	3.87E-08	1.86E-09	4.48E-08	9.89E-09	1.29E-08	2.04E-08	3.60E-09	2.55E-09	9.60E-08	5.07E-08	2.15E-08	2.53E-08	9.94E-09	5.07E-08	2.15E-08
3331	496863.09	3847877	1.62E-04	1.58E-04	1.56E-04	5.62E-08	1.70E-07	9.82E-08	9.58E-08	8.68E-08	3.96E-08	3.91E-08	1.88E-09	4.53E-08	9.99E-09	1.30E-08	2.06E-08	3.64E-09	2.58E-09	9.70E-08	5.12E-08	2.17E-08	2.56E-08	1.00E-08	5.12E-08	2.17E-08
3332	497363.09	3847877	1.65E-04	1.61E-04	1.59E-04	5.70E-08	1.72E-07	9.97E-08	9.72E-08	8.82E-08	4.02E-08	3.97E-08	1.90E-09	4.60E-08	1.01E-08	1.32E-08	2.09E-08	3.69E-09	2.62E-09	9.85E-08	5.20E-08	2.21E-08	2.59E-08	1.02E-08	5.20E-08	2.21E-08
3333	497863.09	3847877	1.73E-04	1.68E-04	1.66E-04	5.97E-08	1.80E-07	1.04E-07	1.02E-07	9.24E-08	4.21E-08	4.16E-08	2.00E-09	4.82E-08	1.06E-08	1.38E-08	2.19E-08	3.87E-09	2.74E-09	1.03E-07	5.45E-08	2.31E-08	2.72E-08	1.07E-08	5.45E-08	2.31E-08
3334	498363.09	3847877	1.73E-04	1.69E-04	1.67E-04	6.00E-08	1.81E-07	1.05E-07	1.02E-07	9.28E-08	4.24E-08	4.18E-08	2.00E-09	4.84E-08	1.07E-08	1.39E-08	2.21E-08	3.89E-09	2.76E-09	1.04E-07	5.47E-08	2.32E-08	2.73E-08	1.07E-08	5.47E-08	2.32E-08
3335	471363.09	3848377	3.37E-04	3.29E-04	3.25E-04	1.17E-07	3.53E-07	2.04E-07	1.99E-07	1.81E-07	8.24E-08	8.13E-08	3.90E-09	9.42E-08	2.08E-08	2.70E-08	4.29E-08	7.56E-09	5.36E-09	2.02E-07	1.06E-07	4.52E-08	5.31E-08	2.09E-08	1.06E-07	4.52E-08
3336	471863.09	3848377	3.90E-04	3.81E-04	3.76E-04	1.35E-07	4.08E-07	2.36E-07	2.31E-07	2.09E-07	9.53E-08	9.41E-08	4.51E-09	1.09E-07	2.41E-08	3.13E-08	4.96E-08	8.75E-09	6.21E-09	2.33E-07	1.23E-07	5.23E-08	6.15E-08	2.42E-08	1.23E-07	5.23E-08
3337	472363.09	3848377	4.65E-04	4.54E-04	4.48E-04	1.61E-07	4.87E-07	2.82E-07	2.75E-07	2.49E-07	1.14E-07	1.12E-07	5.38E-09	1.30E-07	2.87E-08	3.73E-08	5.92E-08	1.04E-08	7.40E-09	2.78E-07	1.47E-07	6.23E-08	7.33E-08	2.88E-08	1.47E-07	6.23E-08
3338	472863.09	3848377	5.81E-04	5.67E-04	5.59E-04	2.01E-07	6.07E-07	3.51E-07	3.43E-07	3.11E-07	1.42E-07	1.40E-07	6.71E-09	1.62E-07	3.58E-08	4.66E-08	7.39E-08	1.30E-08	9.23E-09	3.47E-07	1.83E-07	7.78E-08	9.15E-08	3.59E-08	1.83E-07	7.78E-08
3339	473363.09	3848377	7.84E-04	7.65E-04	7.55E-04	2.71E-07	8.19E-07	4.74E-07	4.63E-07	4.19E-07	1.91E-07	1.89E-07	9.06E-09	2.19E-07	4.83E-08	6.28E-08	9.97E-08	1.76E-08	1.25E-08	4.69E-07	2.47E-07	1.05E-07	1.23E-07	4.85E-08	2.47E-07	1.05E-07
3340	473863.09	3848377	1.27E-03	1.24E-03	1.23E-03	4.41E-07	1.33E-06	7.71E-07	7.52E-07	6.82E-07	3.11E-07	3.07E-07	1.47E-08	3.56E-07	7.85E-08	1.02E-07	1.62E-07	2.85E-08	2.02E-08	7.62E-07	4.02E-07	1.71E-07	2.01E-07	7.88E-08	4.02E-07	1.71E-07
3341	474363.09	3848377	5.64E-03	5.51E-03	5.43E-03	1.95E-06	5.90E-06	3.41E-06	3.33E-06	3.02E-06	1.38E-06	1.36E-06	6.52E-08	1.58E-06	3.48E-07	4.52E-07	7.18E-07	1.26E-07	8.97E-08	3.38E-06	1.78E-06	7.56E-07	8.89E-07	3.49E-07	1.78E-06	7.56E-07
3342	474863.09	3848377	4.55E-03	4.44E-03	4.38E-03	1.57E-06	4.75E-06	2.75E-06	2.68E-06	2.43E-06	1.11E-06	1.10E-06	5.26E-08	1.27E-06	2.80E-07	3.64E-07	5.78E-07	1.02E-07	7.23E-08	2.72E-06	1.43E-06	6.09E-07	7.16E-07	2.81E-07	1.43E-06	6.09E-07
3343	475363.09	3848377	2.55E-03	2.49E-03	2.45E-03	8.82E-07	2.66E-06	1.54E-06	1.50E-06	1.36E-06	6.22E-07	6.14E-07	2.95E-08	7.11E-07	1.57E-07	2.04E-07	3.24E-07	5.71E-08	4.05E-08	1.52E-06	8.04E-07	3.41E-07	4.01E-07	1.58E-07	8.04E-07	3.41E-07
3344	475863.09	3848377	1.64E-03	1.60E-03	1.58E-03	5.69E-07	1.72E-06	9.94E-07	9.70E-07	8.79E-07	4.01E-07	3.96E-07	1.90E-08	4.59E-07	1.01E-07	1.32E-07	2.09E-07	3.68E-08	2.61E-08	9.83E-07	5.19E-07	2.20E-07	2.59E-07	1.02E-07	5.19E-07	2.20E-07
3345	476363.09	3848377	1.23E-03	1.20E-03	1.19E-03	4.27E-07	1.29E-06	7.47E-07	7.29E-07	6.61E-07	3.02E-07	2.98E-07	1.43E-08	3.45E-07	7.61E-08	9.90E-08	1.57E-07	2.77E-08	1.96E-08	7.38E-07	3.90E-07	1.65E-07	1.95E-07	7.64E-08	3.90E-07	1.65E-07
3346	476863.09	3848377	1.20E-03	1.17E-03	1.16E-03	4.16E-07	1.26E-06	7.27E-07	7.09E-07	6.43E-07	2.93E-07	2.90E-07	1.39E-08	3.35E-07	7.40E-08	9.63E-08	1.53E-07	2.69E-08	1.91E-08	7.19E-07	3.79E-07	1.61E-07	1.89E-07	7.44E-08	3.79E-07	1.61E-07
3347	477363.09	3848377	1.06E-03	1.03E-03	1.02E-03	3.65E-07	1.10E-06	6.38E-07	6.23E-07	5.65E-07	2.58E-07	2.54E-07	1.22E-08	2.95E-07	6.50E-08	8.46E-08	1.34E-07	2.36E-08	1.68E-08	6.31E-07	3.33E-07	1.41E-07	1.66E-07	6.53E-08	3.33E-07	1.41E-07
3348	477863.09	3848377	9.49E-04	9.26E-04	9.14E-04	3.29E-07	9.92E-07	5.74E-07	5.60E-07	5.08E-07	2.32E-07	2.29E-07	1.10E-08	2.65E-07	5.85E-08	7.61E-08	1.21E-07	2.13E-08	1.51E-08	5.68E-07	3.00E-07	1.27E-07	1.50E-07	5.87E-08	3.00E-07	1.27E-07
3349	478363.09	3848377	8.55E-04	8.34E-04	8.23E-04	2.96E-07	8.94E-07	5.17E-07	5.05E-07	4.58E-07	2.09E-07	2.06E-07	9.88E-09	2.39E-07	5.27E-08	6.85E-08	1.09E-07	1.92E-08	1.36E-08	5.11E-07	2.70E-07	1.15E-07	1.35E-07	5.29E-08	2.70E-07	1.15E-07
3350	478863.09	3848377	7.58E-04	7.39E-04	7.29E-04	2.62E-07	7.92E-07	4.58E-07	4.47E-07	4.05E-07	1.85E-07	1.83E-07	8.76E-09	2.12E-07	4.67E-08	6.07E-08	9.63E-08	1.70E-08	1.20E-08	4.53E-07	2.39E-07	1.01E-07	1.19E-07	4.69E-08	2.39E-07	1.01E-07
3351	479363.09	3848377	6.30E-04	6.15E-04	6.06E-04	2.18E-07	6.58E-07	3.81E-07	3.72E-07	3.37E-07	1.54E-07	1.52E-07	7.28E-09	1.76E-07	3.88E-08	5.05E-08	8.01E-08	1.41E-08	1.00E-08	3.77E-07	1.99E-07	8.43E-08	9.92E-08	3.90E-08	1.99E-07	8.43E-08
3352	479863.09	3848377	3.93E-04	3.84E-04	3.79E-04	1.36E-07	4.11E-07	2.38E-07	2.32E-07	2.11E-07	9.61E-08	9.48E-08	4.55E-09	1.10E-07	2.42E-08	3.15E-08	5.00E-08	8.81E-09	6.25E-09	2.35E-07	1.24E-07	5.27E-08	6.20E-08	2.43E-08	1.24E-07	5.27E-08
3353	480363.09	3848377	4.41E-04	4.30E-04	4.25E-04	1.53E-07	4.61E-07	2.67E-07	2.60E-07	2.36E-07	1.08E-07	1.06E-07	5.10E-09	1.23E-07	2.72E-08	3.54E-08	5.61E-08	9.88E-09	7.01E-09	2.64E-07	1.39E-07	5.91E-08	6.95E-08	2.73E-08	1.39E-07	5.91E-08
3354	480863.09	3848377	4.82E-04	4.70E-04	4.64E-04	1.67E-07	5.03E-07	2.91E-07	2.84E-07	2.58E-07	1.18E-07	1.16E-07	5.57E-09	1.34E-07	2.97E-08	3.86E-08	6.13E-08	1.08E-08	7.66E-09	2.88E-07	1.52E-07	6.45E-08	7.59E-08	2.98E-08	1.52E-07	6.45E-08
3355	481363.09	3848377	4.60E-04	4.49E-04	4.43E-04	1.59E-07	4.81E-07	2.78E-07	2.72E-07	2.46E-07	1.12E-07	1.11E-07	5.32E-09	1.28E-07	2.83E-08	3.69E-08	5.85E-08	1.03E-08	7.31E-09	2.75E-07	1.45E-07	6.16E-08	7.25E-08	2.85E-08	1.45E-07	6.16E-08
3356	481863.09	3848377	4.45E-04	4.34E-04	4.29E-04	1.54E-07	4.65E-07	2.69E-07	2.63E-07	2.38E-07	1.09E-07	1.07E-07	5.15E-09	1.24E-07	2.74E-08	3.57E-08	5.66E-08	9.98E-09	7.08E-09	2.66E-07	1.41E-07	5.96E-08	7.01E-08	2.76E-08	1.41E-07	5.96E-08
3357	482363.09	3848377	4.26E-04	4.16E-04	4.11E-04	1.48E-07	4.46E-07	2.58E-07	2.52E-07	2.28E-07	1.04E-07	1.03E-07	4.93E-09	1.19E-07	2.63E-08	3.42E-08	5.42E-08	9.56E-09	6.78E-09	2.55E-07	1.35E-07	5.71E-08	6.72E-08	2.64E-08	1.35E-07	5.71E-08
3358	482863.09	3848377	3.92E-04	3.83E-04	3.77E-04	1.36E-07	4.10E-07	2.37E-07	2.31E-07	2.10E-07	9.57E-08	9.45E-08	4.53E-09	1.09E-07	2.42E-08	3.14E-08	4.99E-08	8.79E-09	6.23E-09	2.34E-07	1.24E-07	5.25E-08	6.18E-08	2.43E-08	1.24E-07	5.25E-08
3359	483363.09	3848377	3.73E-04	3.64E-04	3.59E-04	1.29E-07	3.90E-07	2.26E-07	2.20E-07	2.00E-07	9.11E-08	8.99E-08	4.31E-09	1.04E-07	2.30E-08	2.99E-08	4.74E-08	8.36E-09	5.93E-09	2.23E-07	1.18E-07	4.99E-08	5.88E-08	2.31E-08	1.18E-07	4.99E-08
3360	483863.09	3848377	3.49E-04	3.41E-04	3.36E-04	1.21E-07	3.65E-07	2.11E-07	2.06E-07	1.87E-07	8.53E-08	8.42E-08	4.04E-09	9.75E-08	2.15E-08	2.80E-08	4.44E-08	7.83E-09	5.55E-09	2.09E-07	1.10E-07	4.68E-08	5.50E-08	2.16E-08	1.10E-07	4.68E-08
3361	484363.09	3848377	3.40E-04	3.32E-04	3.28E-04	1.18E-07	3.56E-07	2.06E-07	2.01E-07	1.82E-07	8.31E-08	8.20E-08	3.93E-09	9.50E-08	2.10E-08	2.73E-08	4.33E-08	7.62E-09	5.41E-09	2.03E-07	1.07E-07	4.56E-08	5.36E-08	2.11E-08	1.07E-07	4.56E-08
3362	484863.09	3848377	3.40E-04	3.32E-04	3.27E-04	1.18E-07	3.55E-07	2.06E-07	2.01E-07	1.82E-07	8.30E-08	8.19E-08	3.93E-09	9.49E-08	2.09E-08	2.72E-08	4.32E-08	7.62E-09	5.40E-09	2.03E-07	1.07E-07	4.55E-08	5.35E-08	2.10E-08	1.07E-07	4.55E-08
3363	485363.09	3848377	3.28E-04	3.20E-04	3.16E-04	1.14E-07	3.43E-07	1.99E-07	1.94E-07	1.76E-07	8.01E-08	7.91E-08	3.79E-09	9.16E-08	2.02E-08	2.63E-08	4.17E-08	7.36E-09	5.22E-09	1.96E-07	1.04E-07	4.39E-08	5.17E-08	2.03E-08	1.04E-07	4.39E-08
3364	485863.09	3848377	3.19E-04	3.11E-04	3.07E-04	1.10E-07	3.33E-07	1.93E-07	1.88E-07	1.71E-07	7.78E-08	7.68E-08	3.68E-09	8.90E-08	1.96E-08	2.55E-08	4.05E-08	7.14E-09	5.06E-09	1.91E-07	1.01E-07	4.27E-08	5.02E-08	1.97E-08	1.01E-07	4.27E-08
3365	486363.09	3848377	3.05E-04	2.97E-04	2.93E-04	1.05E-07	3.18E-07	1.84E-07	1.80E-07	1.63E-07	7.44E-08	7.34E-08	3.52E-09	8.50E-08	1.88E-08	2.44E-08	3.87E-08	6.83E-09	4.84E-09	1.82E-07	9.61E-08	4.08E-08	4.80E-08	1.88E-08	9.61E-08	4.08E-08
3366	486863.09	3848377	2.90E-04	2.83E-04	2.79E-04	1.00E-07	3.03E-07	1.75E-07	1.71E-07	1.55E-07	7.07E-08	6.98E-08	3.35E-09	8.09E-08	1.78E-08	2.32E-08	3.68E-08	6.49E-09	4.60E-09	1.73E-07	9.14E-08	3.88E-08	4.56E-08	1.79E-08	9.14E-08	3.88E-08
3367	487363.09	3848377	2.72E-04	2.66E-04	2.62E-04	9.42E-08	2.84E-07	1.65E-07	1.61E-07	1.46E-07	6.65E-08	6.56E-08	3.15E-09	7.60E-08	1.68E-08	2.18E-08	3.46E-08	6.10E-09	4.33E-09	1.63E-07	8.59E-08	3.64E-08	4.29E-08	1.68E-08	8.59E-08	3.64E-08
3368	487863.09	3848377	2.64E-04	2.57E-04	2.54E-04	9.13E-08	2.76E-07	1.60E-07	1.56E-07	1.41E-07	6.44E-08	6.36E-08	3.05E-09	7.37E-08	1.63E-08	2.12E-08	3.36E-08	5.91E-09	4.19E-09	1.58E-07	8.33E-08	3.53E-08	4.16E-08	1.63E-08	8.33E-08	3.53E-08
3369	488363.09	3848377	2.56E-04	2.49E-04	2.46E-04	8.85E-08	2.67E-07	1.55E-07	1.51E-07	1.37E-07	6.24E-08	6.16E-08	2.95E-09	7.14E-08	1.57E-08	2.05E-08	3.25E-08	5.73E-09	4.06E-09	1.53E-07	8.07E-08	3.42E-08	4.03E-08	1.58E-08	8.07E-08	3.42E-08
3370	488863.09	3848377	2.48E-04	2.42E-04	2.39E-04	8.59E-08	2.59E-07	1.50E-07	1.46E-07	1.33E-07	6.06E-08	5.98E-08	2.87E-09	6.93E-08	1.53E-08	1.99E-08	3.16E-08	5.56E-09	3.94E-09	1.48E-07	7.83E-08	3.32E-08	3.91E-08	1.54E-08	7.83E-08	3.32E-08
3371	489363.09	3848377	2.43E-04	2.37E-04	2.34E-04	8.42E-08	2.54E-07	1.47E-07	1.44E-07	1.30E-07	5.94E-08	5.86E-08	2.81E-09	6.79E-08	1.50E-08	1.95E-08	3.09E-08	5.45E-09	3.86E-09	1.45E-07	7.67E-08	3.26E-08	3.83E-08	1.50E-08	7.67E-08	3.26E-08
3372	489863.09	3848377	2.41E-04	2.36E-04	2.32E-04	8.36E-08	2.52E-07	1.46E-07	1.43E-07	1.29E-07	5.90E-08	5.82E-08	2.79E-09	6.74E-08	1.49E-08	1.94E-08	3.07E-08	5.41E-09	3.84E-09	1.44E-07	7.62E-08	3.23E-08	3.80E-08	1.49E-08	7.62E-08	3.23E-08
3373	490363.09	3848377	2.34E-04	2.28E-04	2.25E-04	8.10E-08	2.45E-07	1.42E-07	1.38E-07	1.25E-07	5.71E-08	5.64E-08	2.70E-09	6.53E-08	1.44E-08	1.88E-08	2.98E-08	5.24E-09	3.72E-09	1.40E-07	7.39E-08	3.13E-08	3.69E-08	1.45E-08	7.39E-08	3.13E-08
3374	490863.09	3848377	2.23E-04	2.18E-04	2.15E-04	7.73E-08	2.33E-07	1.35E-07	1.32E-07	1.19E-07	5.45E-08	5.38E-08	2.58E-09	6.23E-08	1.38E-08	1.79E-08	2.84E-08	5.00E-09	3.55E-09	1.33E-07	7.04E-08	2.99E-08	3.52E-08	1.38E-08	7.04E-08	2.99E-08
3375	491363.09	3848377	2.14E-04	2.08E-04	2.06E-04	7.40E-08	2.23E-07	1.29E-07	1.26E-07	1.14E-07	5.22E-08	5.15E-08	2.47E-09	5.97E-08	1.32E-08	1.71E-08	2.72E-08	4.79E-09	3.40E-09	1.28E-07	6.74E-08	2.86E-08	3.37E-08	1.32E-08	6.74E-08	2.86E-08
3376	491863.09	3848377	2.07E-04	2.02E-04	1.99E-04	7.17E-08	2.16E-07	1.25E-07	1.22E-07	1.11E-07	5.06E-08	4.99E-08	2.39E-09	5.78E-08	1.28E-08	1.66E-08	2.63E-08	4.64E-09	3.29E-09	1.24E-07	6.53E-08	2.77E-08	3.26E-08	1.28E-08	6.53E-08	2.77E-08
3377	492363.09	3848377	1.96E-04	1.91E-04	1.89E-04	6.79E-08	2.05E-07	1.19E-07	1.16E-07	1.05E-07	4.79E-08	4.73E-08	2.27E-09	5.48E-08	1.21E-08	1.57E-08	2.50E-08	4.40E-09	3.12E-09	1.17E-07	6.19E-08	2.63E-08	3.09E-08	1.21E-08	6.19E-08	2.63E-08
3378	492863.09	3848377	1.85E-04	1.81E-04	1.79E-04	6.42E-08	1.94E-07	1.12E-07	1.09E-07	9.93E-08	4.53E-08	4.47E-08	2.14E-09	5.18E-08	1.14E-08	1.49E-08	2.36E-08	4.16E-09	2.95E-09	1.11E-07	5.85E-08	2.48E-08	2.92E-08	1.15E-08	5.85E-08	2.48E-08
3379	493363.09	3848377	1.80E-04	1.75E-04	1.73E-04	6.22E-08	1.88E-07	1.09E-07	1.06E-07	9.61E-08	4.39E-08	4.33E-08	2.08E-09	5.02E-08	1.11E-08	1.44E-08	2.28E-08	4.03E-09	2.86E-09	1.07E-07	5.67E-08	2.41E-08	2.83E-08	1.11E-08	5.67E-08	2.41E-08
3380	493863.09	3848377	1.73E-04	1.69E-04	1.67E-04	5.99E-08	1.81E-07	1.05E-07	1.02E-07	9.26E-08	4.23E-08	4.17E-08	2.00E-09	4.83E-08	1.07E-08	1.39E-08	2.20E-08	3.88E-09	2.75E-09	1.03E-07	5.46E-08	2.32E-08	2.73E-08	1.07E-08	5.46E-08	2.32E-08
3381	494363.09	3848377	1.68E-04	1.64E-04	1.62E-04	5.82E-08	1.76E-07	1.02E-07	9.92E-08	8.99E-08	4.10E-08	4.05E-08	1.94E-09	4.69E-08	1.04E-08	1.35E-08	2.14E-08	3.77E-09	2.67E-09	1.00E-07	5.30E-08	2.25E-08	2.65E-08	1.04E-08	5.30E-08	2.25E-08
3382	494863.09	3848377	1.67E-04	1.63E-04	1.61E-04	5.77E-08	1.74E-07	1.01E-07	9.85E-08	8.93E-08	4.07E-08	4.02E-08	1.93E-09	4.66E-08	1.03E-08	1.34E-08	2.12E-08	3.74E-09	2.65E-09	9.97E-08	5.26E-08	2.23E-08	2.63E-08	1.03E-08	5.26E-08	2.23E-08
3383	495363.09	3848377	1.59E-04	1.55E-04	1.53E-04	5.50E-08	1.66E-07	9.61E-08	9.38E-08	8.50E-08	3.88E-08	3.83E-08	1.84E-09	4.44E-08	9.79E-09	1.27E-08	2.02E-08	3.56E-09	2.53E-09	9.50E-08	5.02E-08	2.13E-08	2.50E-08	9.83E-09	5.02E-08	2.13E-08
3384	495863.09	3848377	1.56E-04	1.52E-04	1.50E-04	5.40E-08	1.63E-07	9.44E-08	9.21E-08	8.35E-08	3.81E-08	3.76E-08	1.80E-09	4.36E-08	9.61E-09	1.25E-08	1.98E-08	3.50E-09	2.48E-09	9.33E-08	4.92E-08	2.09E-08	2.46E-08	9.65E-09	4.92E-08	2.09E-08
3385	496363.09	3848377	1.59E-04	1.55E-04	1.53E-04	5.50E-08	1.66E-07	9.61E-08	9.38E-08	8.50E-08	3.88E-08	3.83E-08	1.84E-09	4.44E-08	9.79E-09	1.27E-08	2.02E-08	3.56E-09	2.53E-09	9.50E-08	5.02E-08	2.13E-08	2.50E-08	9.83E-09	5.02E-08	2.13E-08
3386	496863.09	3848377	1.55E-04	1.51E-04	1.49E-04	5.37E-08	1.62E-07	9.39E-08	9.16E-08	8.30E-08	3.79E-08	3.74E-08	1.79E-09	4.33E-08	9.56E-09	1.24E-08	1.97E-08	3.48E-09	2.47E-09	9.28E-08	4.90E-08	2.08E-08	2.44E-08	9.60E-09	4.90E-08	2.08E-08
3387	497363.09	3848377	1.61E-04	1.57E-04	1.55E-04	5.57E-08	1.68E-07	9.74E-08	9.50E-08	8.62E-08	3.93E-08	3.88E-08	1.86E-09	4.49E-08	9.92E-09	1.29E-08	2.05E-08	3.61E-09	2.56E-09	9.63E-08	5.08E-08	2.16E-08	2.54E-08	9.96E-09	5.08E-08	2.16E-08
3388	497863.09	3848377	1.79E-04	1.75E-04	1.73E-04	6.20E-08	1.87E-07	1.08E-07	1.06E-07	9.59E-08	4.38E-08	4.32E-08	2.07E-09	5.00E-08	1.10E-08	1.44E-08	2.28E-08	4.02E-09	2.85E-09	1.07E-07	5.66E-08	2.40E-08	2.82E-08	1.11E-08	5.66E-08	2.40E-08
3389	498363.09	3848377	1.78E-04	1.74E-04	1.72E-04	6.18E-08	1.86E-07	1.08E-07	1.05E-07	9.55E-08	4.36E-08	4.30E-08	2.06E-09	4.98E-08	1.10E-08	1.43E-08	2.27E-08	4.00E-09	2.84E-09	1.07E-07	5.63E-08	2.39E-08	2.81E-08	1.10E-08	5.63E-08	2.39E-08
3390	471363.09	3848877	2.96E-04	2.89E-04	2.85E-04	1.02E-07	3.09E-07	1.79E-07	1.75E-07	1.58E-07	7.22E-08	7.13E-08	3.42E-09	8.26E-08	1.82E-08	2.37E-08	3.76E-08	6.63E-09	4.70E-09	1.77E-07	9.34E-08	3.96E-08	4.66E-08	1.83E-08	9.34E-08	3.96E-08
3391	471863.09	3848877	3.29E-04	3.21E-04	3.17E-04	1.14E-07	3.44E-07	1.99E-07	1.94E-07	1.76E-07	8.03E-08	7.93E-08	3.80E-09	9.19E-08	2.03E-08	2.64E-08	4.18E-08	7.37E-09	5.23E-09	1.97E-07	1.04E-07	4.41E-08	5.18E-08	2.04E-08	1.04E-07	4.41E-08
3392	472363.09	3848877	3.73E-04	3.64E-04	3.59E-04	1.29E-07	3.90E-07	2.26E-07	2.20E-07	2.00E-07	9.11E-08	8.99E-08	4.31E-09	1.04E-07	2.30E-08	2.99E-08	4.74E-08	8.36E-09	5.93E-09	2.23E-07	1.18E-07	4.99E-08	5.88E-08	2.31E-08	1.18E-07	4.99E-08
3393	472863.09	3848877	4.39E-04	4.28E-04	4.22E-04	1.52E-07	4.58E-07	2.65E-07	2.59E-07	2.35E-07	1.07E-07	1.06E-07	5.07E-09	1.22E-07	2.70E-08	3.52E-08	5.58E-08	9.83E-09	6.97E-09	2.62E-07	1.38E-07	5.87E-08	6.91E-08	2.71E-08	1.38E-07	5.87E-08
3394	473363.09	3848877	5.36E-04	5.23E-04	5.17E-04	1.86E-07	5.61E-07	3.25E-07	3.17E-07	2.87E-07	1.31E-07	1.29E-07	6.20E-09	1.50E-07	3.31E-08	4.30E-08	6.82E-08	1.20E-08	8.53E-09	3.21E-07	1.69E-07	7.18E-08	8.45E-08	3.32E-08	1.69E-07	7.18E-08
3395	473863.09	3848877	7.12E-04	6.94E-04	6.85E-04	2.46E-07	7.44E-07	4.31E-07	4.20E-07	3.81E-07	1.74E-07	1.71E-07	8.22E-09	1.99E-07	4.38E-08	5.70E-08	9.05E-08	1.59E-08	1.13E-08	4.26E-07	2.25E-07	9.53E-08	1.12E-07	4.40E-08	2.25E-07	9.53E-08
3396	474363.09	3848877	1.10E-03	1.08E-03	1.06E-03	3.82E-07	1.15E-06	6.68E-07	6.52E-07	5.91E-07	2.70E-07	2.66E-07	1.28E-08	3.08E-07	6.80E-08	8.85E-08	1.40E-07	2.48E-08	1.76E-08	6.60E-07	3.49E-07	1.48E-07	1.74E-07	6.83E-08	3.49E-07	1.48E-07
3397	474863.09	3848877	3.56E-03	3.48E-03	3.43E-03	1.23E-06	3.72E-06	2.16E-06	2.10E-06	1.91E-06	8.70E-07	8.58E-07	4.12E-08	9.95E-07	2.19E-07	2.86E-07	4.53E-07	7.98E-08	5.66E-08	2.13E-06	1.12E-06	4.77E-07	5.61E-07	2.20E-07	1.12E-06	4.77E-07

3398	475363.09	3848877	7.67E-03	7.49E-03	7.39E-03	2.66E-06	8.02E-06	4.64E-06	4.53E-06	4.11E-06	1.87E-06	1.85E-06	8.87E-08	2.14E-06	4.73E-07	6.15E-07	9.75E-07	1.72E-07	1.22E-07	4.59E-06	2.42E-06	1.03E-06	1.21E-06	4.75E-07	2.42E-06	1.03E-06
3399	475863.09	3848877	3.75E-03	3.65E-03	3.61E-03	1.30E-06	3.91E-06	2.27E-06	2.21E-06	2.00E-06	9.15E-07	9.03E-07	4.33E-08	1.05E-06	2.31E-07	3.00E-07	4.76E-07	8.39E-08	5.95E-08	2.24E-06	1.18E-06	5.02E-07	5.90E-07	2.32E-07	1.18E-06	5.02E-07
3400	476363.09	3848877	2.62E-03	2.56E-03	2.53E-03	9.08E-07	2.74E-06	1.59E-06	1.55E-06	1.40E-06	6.41E-07	6.32E-07	3.03E-08	7.33E-07	1.62E-07	2.10E-07	3.34E-07	5.88E-08	4.17E-08	1.57E-06	8.28E-07	3.51E-07	4.13E-07	1.62E-07	8.28E-07	3.51E-07
3401	476863.09	3848877	1.99E-03	1.95E-03	1.92E-03	6.90E-07	2.08E-06	1.21E-06	1.18E-06	1.07E-06	4.87E-07	4.80E-07	2.30E-08	5.57E-07	1.23E-07	1.60E-07	2.54E-07	4.47E-08	3.17E-08	1.19E-06	6.29E-07	2.67E-07	3.14E-07	1.23E-07	6.29E-07	2.67E-07
3402	477363.09	3848877	1.81E-03	1.76E-03	1.74E-03	6.25E-07	1.89E-06	1.09E-06	1.07E-06	9.66E-07	4.41E-07	4.35E-07	2.09E-08	5.04E-07	1.11E-07	1.45E-07	2.30E-07	4.05E-08	2.87E-08	1.08E-06	5.70E-07	2.42E-07	2.84E-07	1.12E-07	5.70E-07	2.42E-07
3403	477863.09	3848877	1.47E-03	1.44E-03	1.42E-03	5.09E-07	1.54E-06	8.90E-07	8.69E-07	7.88E-07	3.59E-07	3.55E-07	1.70E-08	4.11E-07	9.07E-08	1.18E-07	1.87E-07	3.30E-08	2.34E-08	8.80E-07	4.64E-07	1.97E-07	2.32E-07	9.11E-08	4.64E-07	1.97E-07
3404	478363.09	3848877	1.24E-03	1.21E-03	1.20E-03	4.30E-07	1.30E-06	7.52E-07	7.33E-07	6.65E-07	3.03E-07	2.99E-07	1.44E-08	3.47E-07	7.65E-08	9.96E-08	1.58E-07	2.78E-08	1.97E-08	7.43E-07	3.92E-07	1.66E-07	1.96E-07	7.69E-08	3.92E-07	1.66E-07
3405	478863.09	3848877	1.04E-03	1.02E-03	1.00E-03	3.61E-07	1.09E-06	6.30E-07	6.15E-07	5.58E-07	2.54E-07	2.51E-07	1.20E-08	2.91E-07	6.42E-08	8.35E-08	1.32E-07	2.33E-08	1.66E-08	6.23E-07	3.29E-07	1.40E-07	1.64E-07	6.45E-08	3.29E-07	1.40E-07
3406	479363.09	3848877	8.58E-04	8.37E-04	8.26E-04	2.97E-07	8.96E-07	5.19E-07	5.06E-07	4.59E-07	2.09E-07	2.07E-07	9.91E-09	2.39E-07	5.28E-08	6.87E-08	1.09E-07	1.92E-08	1.36E-08	5.13E-07	2.71E-07	1.15E-07	1.35E-07	5.31E-08	2.71E-07	1.15E-07
3407	479863.09	3848877	7.12E-04	6.95E-04	6.86E-04	2.47E-07	7.45E-07	4.31E-07	4.21E-07	3.81E-07	1.74E-07	1.72E-07	8.23E-09	1.99E-07	4.39E-08	5.71E-08	9.06E-08	1.60E-08	1.13E-08	4.26E-07	2.25E-07	9.54E-08	1.12E-07	4.41E-08	2.25E-07	9.54E-08
3408	480363.09	3848877	6.65E-04	6.49E-04	6.40E-04	2.30E-07	6.95E-07	4.02E-07	3.93E-07	3.56E-07	1.62E-07	1.60E-07	7.69E-09	1.86E-07	4.10E-08	5.33E-08	8.46E-08	1.49E-08	1.06E-08	3.98E-07	2.10E-07	8.91E-08	1.05E-07	4.12E-08	2.10E-07	8.91E-08
3409	480863.09	3848877	6.26E-04	6.11E-04	6.02E-04	2.17E-07	6.54E-07	3.79E-07	3.69E-07	3.35E-07	1.53E-07	1.51E-07	7.23E-09	1.75E-07	3.85E-08	5.02E-08	7.96E-08	1.40E-08	9.94E-09	3.74E-07	1.97E-07	8.38E-08	9.86E-08	3.87E-08	1.97E-07	8.38E-08
3410	481363.09	3848877	5.73E-04	5.59E-04	5.52E-04	1.98E-07	5.99E-07	3.47E-07	3.39E-07	3.07E-07	1.40E-07	1.38E-07	6.63E-09	1.60E-07	3.53E-08	4.60E-08	7.29E-08	1.29E-08	9.11E-09	3.43E-07	1.81E-07	7.68E-08	9.03E-08	3.55E-08	1.81E-07	7.68E-08
3411	481863.09	3848877	5.13E-04	5.01E-04	4.94E-04	1.78E-07	5.36E-07	3.11E-07	3.03E-07	2.75E-07	1.25E-07	1.24E-07	5.93E-09	1.43E-07	3.16E-08	4.11E-08	6.53E-08	1.15E-08	8.16E-09	3.07E-07	1.62E-07	6.87E-08	8.08E-08	3.18E-08	1.62E-07	6.87E-08
3412	482363.09	3848877	4.55E-04	4.44E-04	4.38E-04	1.58E-07	4.76E-07	2.75E-07	2.69E-07	2.44E-07	1.11E-07	1.10E-07	5.26E-09	1.27E-07	2.80E-08	3.65E-08	5.79E-08	1.02E-08	7.23E-09	2.72E-07	1.44E-07	6.09E-08	7.17E-08	2.82E-08	1.44E-07	6.09E-08
3413	482863.09	3848877	4.10E-04	4.00E-04	3.95E-04	1.42E-07	4.28E-07	2.48E-07	2.42E-07	2.19E-07	1.00E-07	9.88E-08	4.74E-09	1.14E-07	2.53E-08	3.29E-08	5.21E-08	9.19E-09	6.52E-09	2.45E-07	1.29E-07	5.49E-08	6.46E-08	2.54E-08	1.29E-07	5.49E-08
3414	483363.09	3848877	3.76E-04	3.67E-04	3.62E-04	1.30E-07	3.93E-07	2.27E-07	2.22E-07	2.01E-07	9.18E-08	9.06E-08	4.34E-09	1.05E-07	2.32E-08	3.01E-08	4.78E-08	8.42E-09	5.97E-09	2.25E-07	1.19E-07	5.03E-08	5.92E-08	2.33E-08	1.19E-07	5.03E-08
3415	483863.09	3848877	3.60E-04	3.51E-04	3.46E-04	1.25E-07	3.76E-07	2.18E-07	2.12E-07	1.93E-07	8.78E-08	8.67E-08	4.16E-09	1.00E-07	2.22E-08	2.88E-08	4.57E-08	8.06E-09	5.72E-09	2.15E-07	1.14E-07	4.82E-08	5.67E-08	2.23E-08	1.14E-07	4.82E-08
3416	484363.09	3848877	3.73E-04	3.64E-04	3.59E-04	1.29E-07	3.89E-07	2.25E-07	2.20E-07	1.99E-07	9.10E-08	8.98E-08	4.31E-09	1.04E-07	2.30E-08	2.99E-08	4.74E-08	8.35E-09	5.92E-09	2.23E-07	1.18E-07	4.99E-08	5.87E-08	2.31E-08	1.18E-07	4.99E-08
3417	484863.09	3848877	3.80E-04	3.71E-04	3.66E-04	1.32E-07	3.98E-07	2.30E-07	2.25E-07	2.04E-07	9.29E-08	9.17E-08	4.40E-09	1.06E-07	2.34E-08	3.05E-08	4.84E-08	8.53E-09	6.05E-09	2.28E-07	1.20E-07	5.09E-08	5.99E-08	2.35E-08	1.20E-07	5.09E-08
3418	485363.09	3848877	3.65E-04	3.56E-04	3.52E-04	1.26E-07	3.82E-07	2.21E-07	2.16E-07	1.95E-07	8.92E-08	8.80E-08	4.22E-09	1.02E-07	2.25E-08	2.93E-08	4.64E-08	8.18E-09	5.80E-09	2.18E-07	1.15E-07	4.89E-08	5.75E-08	2.26E-08	1.15E-07	4.89E-08
3419	485863.09	3848877	3.51E-04	3.42E-04	3.38E-04	1.21E-07	3.67E-07	2.12E-07	2.07E-07	1.88E-07	8.57E-08	8.46E-08	4.06E-09	9.80E-08	2.16E-08	2.81E-08	4.46E-08	7.87E-09	5.58E-09	2.10E-07	1.11E-07	4.70E-08	5.53E-08	2.17E-08	1.11E-07	4.70E-08
3420	486363.09	3848877	3.31E-04	3.23E-04	3.18E-04	1.14E-07	3.46E-07	2.00E-07	1.95E-07	1.77E-07	8.08E-08	7.97E-08	3.82E-09	9.23E-08	2.04E-08	2.65E-08	4.20E-08	7.41E-09	5.26E-09	1.98E-07	1.04E-07	4.43E-08	5.21E-08	2.05E-08	1.04E-07	4.43E-08
3421	486863.09	3848877	3.10E-04	3.02E-04	2.98E-04	1.07E-07	3.24E-07	1.88E-07	1.83E-07	1.66E-07	7.57E-08	7.47E-08	3.58E-09	8.65E-08	1.91E-08	2.48E-08	3.94E-08	6.95E-09	4.93E-09	1.85E-07	9.78E-08	4.15E-08	4.88E-08	1.92E-08	9.78E-08	4.15E-08
3422	487363.09	3848877	3.02E-04	2.94E-04	2.90E-04	1.04E-07	3.15E-07	1.82E-07	1.78E-07	1.61E-07	7.37E-08	7.27E-08	3.49E-09	8.42E-08	1.86E-08	2.42E-08	3.84E-08	6.76E-09	4.79E-09	1.80E-07	9.52E-08	4.04E-08	4.75E-08	1.87E-08	9.52E-08	4.04E-08
3423	487863.09	3848877	2.89E-04	2.82E-04	2.78E-04	1.00E-07	3.02E-07	1.75E-07	1.70E-07	1.55E-07	7.05E-08	6.96E-08	3.34E-09	8.06E-08	1.78E-08	2.31E-08	3.67E-08	6.47E-09	4.59E-09	1.73E-07	9.11E-08	3.87E-08	4.55E-08	1.79E-08	9.11E-08	3.87E-08
3424	488363.09	3848877	2.79E-04	2.72E-04	2.69E-04	9.67E-08	2.92E-07	1.69E-07	1.65E-07	1.49E-07	6.82E-08	6.73E-08	3.23E-09	7.80E-08	1.72E-08	2.24E-08	3.55E-08	6.26E-09	4.44E-09	1.67E-07	8.81E-08	3.74E-08	4.40E-08	1.73E-08	8.81E-08	3.74E-08
3425	488863.09	3848877	2.69E-04	2.63E-04	2.59E-04	9.32E-08	2.81E-07	1.63E-07	1.59E-07	1.44E-07	6.58E-08	6.49E-08	3.11E-09	7.52E-08	1.66E-08	2.16E-08	3.42E-08	6.03E-09	4.28E-09	1.61E-07	8.50E-08	3.61E-08	4.24E-08	1.67E-08	8.50E-08	3.61E-08
3426	489363.09	3848877	2.63E-04	2.57E-04	2.54E-04	9.12E-08	2.75E-07	1.59E-07	1.56E-07	1.41E-07	6.43E-08	6.35E-08	3.05E-09	7.36E-08	1.62E-08	2.11E-08	3.35E-08	5.90E-09	4.19E-09	1.58E-07	8.31E-08	3.53E-08	4.15E-08	1.63E-08	8.31E-08	3.53E-08
3427	489863.09	3848877	2.58E-04	2.52E-04	2.49E-04	8.95E-08	2.70E-07	1.56E-07	1.53E-07	1.38E-07	6.31E-08	6.23E-08	2.99E-09	7.22E-08	1.59E-08	2.07E-08	3.29E-08	5.79E-09	4.11E-09	1.55E-07	8.16E-08	3.46E-08	4.07E-08	1.60E-08	8.16E-08	3.46E-08
3428	490363.09	3848877	2.46E-04	2.40E-04	2.37E-04	8.52E-08	2.57E-07	1.49E-07	1.45E-07	1.32E-07	6.01E-08	5.93E-08	2.84E-09	6.87E-08	1.52E-08	1.97E-08	3.13E-08	5.51E-09	3.91E-09	1.47E-07	7.76E-08	3.29E-08	3.88E-08	1.52E-08	7.76E-08	3.29E-08
3429	490863.09	3848877	2.34E-04	2.28E-04	2.25E-04	8.10E-08	2.45E-07	1.42E-07	1.38E-07	1.25E-07	5.71E-08	5.64E-08	2.70E-09	6.53E-08	1.44E-08	1.88E-08	2.98E-08	5.24E-09	3.72E-09	1.40E-07	7.39E-08	3.13E-08	3.69E-08	1.45E-08	7.39E-08	3.13E-08
3430	491363.09	3848877	2.25E-04	2.19E-04	2.17E-04	7.78E-08	2.35E-07	1.36E-07	1.33E-07	1.20E-07	5.49E-08	5.42E-08	2.60E-09	6.28E-08	1.39E-08	1.80E-08	2.86E-08	5.04E-09	3.57E-09	1.34E-07	7.10E-08	3.01E-08	3.54E-08	1.39E-08	7.10E-08	3.01E-08
3431	491863.09	3848877	2.12E-04	2.06E-04	2.04E-04	7.32E-08	2.21E-07	1.28E-07	1.25E-07	1.13E-07	5.17E-08	5.10E-08	2.45E-09	5.91E-08	1.30E-08	1.70E-08	2.69E-08	4.74E-09	3.36E-09	1.27E-07	6.68E-08	2.83E-08	3.33E-08	1.31E-08	6.68E-08	2.83E-08
3432	492363.09	3848877	1.99E-04	1.94E-04	1.92E-04	6.89E-08	2.08E-07	1.20E-07	1.18E-07	1.07E-07	4.86E-08	4.80E-08	2.30E-09	5.56E-08	1.23E-08	1.60E-08	2.53E-08	4.46E-09	3.17E-09	1.19E-07	6.29E-08	2.67E-08	3.14E-08	1.23E-08	6.29E-08	2.67E-08
3433	492863.09	3848877	1.85E-04	1.81E-04	1.79E-04	6.42E-08	1.94E-07	1.12E-07	1.09E-07	9.93E-08	4.53E-08	4.47E-08	2.14E-09	5.18E-08	1.14E-08	1.49E-08	2.36E-08	4.16E-09	2.95E-09	1.11E-07	5.85E-08	2.48E-08	2.92E-08	1.15E-08	5.85E-08	2.48E-08
3434	493363.09	3848877	1.73E-04	1.69E-04	1.67E-04	5.99E-08	1.81E-07	1.05E-07	1.02E-07	9.26E-08	4.23E-08	4.17E-08	2.00E-09	4.83E-08	1.07E-08	1.39E-08	2.20E-08	3.88E-09	2.75E-09	1.03E-07	5.46E-08	2.32E-08	2.73E-08	1.07E-08	5.46E-08	2.32E-08
3435	493863.09	3848877	1.71E-04	1.67E-04	1.65E-04	5.93E-08	1.79E-07	1.04E-07	1.01E-07	9.17E-08	4.18E-08	4.13E-08	1.98E-09	4.78E-08	1.06E-08	1.37E-08	2.18E-08	3.84E-09	2.72E-09	1.02E-07	5.41E-08	2.29E-08	2.70E-08	1.06E-08	5.41E-08	2.29E-08
3436	494363.09	3848877	1.67E-04	1.63E-04	1.61E-04	5.79E-08	1.75E-07	1.01E-07	9.87E-08	8.95E-08	4.08E-08	4.03E-08	1.93E-09	4.67E-08	1.03E-08	1.34E-08	2.13E-08	3.75E-09	2.66E-09	1.00E-07	5.28E-08	2.24E-08	2.63E-08	1.03E-08	5.28E-08	2.24E-08
3437	494863.09	3848877	1.68E-04	1.64E-04	1.61E-04	5.80E-08	1.75E-07	1.01E-07	9.90E-08	8.97E-08	4.09E-08	4.04E-08	1.94E-09	4.68E-08	1.03E-08	1.34E-08	2.13E-08	3.76E-09	2.66E-09	1.00E-07	5.29E-08	2.24E-08	2.64E-08	1.04E-08	5.29E-08	2.24E-08
3438	495363.09	3848877	1.66E-04	1.62E-04	1.60E-04	5.74E-08	1.73E-07	1.00E-07	9.80E-08	8.88E-08	4.05E-08	4.00E-08	1.92E-09	4.63E-08	1.02E-08	1.33E-08	2.11E-08	3.72E-09	2.64E-09	9.92E-08	5.24E-08	2.22E-08	2.61E-08	1.03E-08	5.24E-08	2.22E-08
3439	495863.09	3848877	1.57E-04	1.53E-04	1.51E-04	5.44E-08	1.64E-07	9.51E-08	9.28E-08	8.42E-08	3.84E-08	3.79E-08	1.82E-09	4.39E-08	9.69E-09	1.26E-08	2.00E-08	3.52E-09	2.50E-09	9.40E-08	4.96E-08	2.11E-08	2.48E-08	9.73E-09	4.96E-08	2.11E-08
3440	496363.09	3848877	1.56E-04	1.52E-04	1.50E-04	5.40E-08	1.63E-07	9.44E-08	9.21E-08	8.35E-08	3.81E-08	3.76E-08	1.80E-09	4.36E-08	9.61E-09	1.25E-08	1.98E-08	3.50E-09	2.48E-09	9.33E-08	4.92E-08	2.09E-08	2.46E-08	9.65E-09	4.92E-08	2.09E-08
3441	496863.09	3848877	1.62E-04	1.58E-04	1.56E-04	5.60E-08	1.69E-07	9.79E-08	9.55E-08	8.66E-08	3.95E-08	3.90E-08	1.87E-09	4.52E-08	9.97E-09	1.30E-08	2.06E-08	3.63E-09	2.57E-09	9.68E-08	5.11E-08	2.17E-08	2.55E-08	1.00E-08	5.11E-08	2.17E-08
3442	497363.09	3848877	1.77E-04	1.72E-04	1.70E-04	6.12E-08	1.85E-07	1.07E-07	1.04E-07	9.46E-08	4.32E-08	4.26E-08	2.04E-09	4.93E-08	1.09E-08	1.42E-08	2.25E-08	3.96E-09	2.81E-09	1.06E-07	5.58E-08	2.37E-08	2.78E-08	1.09E-08	5.58E-08	2.37E-08
3443	497863.09	3848877	1.81E-04	1.77E-04	1.75E-04	6.28E-08	1.89E-07	1.10E-07	1.07E-07	9.70E-08	4.43E-08	4.37E-08	2.10E-09	5.06E-08	1.12E-08	1.45E-08	2.31E-08	4.06E-09	2.88E-09	1.08E-07	5.72E-08	2.43E-08	2.86E-08	1.12E-08	5.72E-08	2.43E-08
3444	498363.09	3848877	1.84E-04	1.79E-04	1.77E-04	6.36E-08	1.92E-07	1.11E-07	1.09E-07	9.84E-08	4.49E-08	4.43E-08	2.12E-09	5.13E-08	1.13E-08	1.47E-08	2.34E-08	4.12E-09	2.92E-09	1.10E-07	5.80E-08	2.46E-08	2.90E-08	1.14E-08	5.80E-08	2.46E-08
3445	471363.09	3849377	2.59E-04	2.53E-04	2.50E-04	8.98E-08	2.71E-07	1.57E-07	1.53E-07	1.39E-07	6.33E-08	6.25E-08	3.00E-09	7.24E-08	1.60E-08	2.08E-08	3.30E-08	5.81E-09	4.12E-09	1.55E-07	8.18E-08	3.47E-08	4.08E-08	1.60E-08	8.18E-08	3.47E-08
3446	471863.09	3849377	2.87E-04	2.80E-04	2.76E-04	9.94E-08	3.00E-07	1.74E-07	1.70E-07	1.54E-07	7.01E-08	6.92E-08	3.32E-09	8.02E-08	1.77E-08	2.30E-08	3.65E-08	6.43E-09	4.56E-09	1.72E-07	9.06E-08	3.84E-08	4.52E-08	1.78E-08	9.06E-08	3.84E-08
3447	472363.09	3849377	3.19E-04	3.11E-04	3.07E-04	1.10E-07	3.33E-07	1.93E-07	1.88E-07	1.71E-07	7.78E-08	7.68E-08	3.68E-09	8.90E-08	1.96E-08	2.55E-08	4.05E-08	7.14E-09	5.06E-09	1.91E-07	1.01E-07	4.27E-08	5.02E-08	1.97E-08	1.01E-07	4.27E-08
3448	472863.09	3849377	3.59E-04	3.50E-04	3.46E-04	1.24E-07	3.75E-07	2.17E-07	2.12E-07	1.92E-07	8.76E-08	8.65E-08	4.15E-09	1.00E-07	2.21E-08	2.88E-08	4.56E-08	8.04E-09	5.70E-09	2.15E-07	1.13E-07	4.81E-08	5.65E-08	2.22E-08	1.13E-07	4.81E-08
3449	473363.09	3849377	4.19E-04	4.09E-04	4.04E-04	1.45E-07	4.38E-07	2.54E-07	2.48E-07	2.24E-07	1.02E-07	1.01E-07	4.85E-09	1.17E-07	2.58E-08	3.36E-08	5.33E-08	9.40E-09	6.67E-09	2.51E-07	1.32E-07	5.62E-08	6.61E-08	2.60E-08	1.32E-07	5.62E-08
3450	473863.09	3849377	5.09E-04	4.96E-04	4.90E-04	1.76E-07	5.32E-07	3.08E-07	3.00E-07	2.72E-07	1.24E-07	1.23E-07	5.88E-09	1.42E-07	3.13E-08	4.08E-08	6.47E-08	1.14E-08	8.08E-09	3.04E-07	1.61E-07	6.81E-08	8.01E-08	3.15E-08	1.61E-07	6.81E-08
3451	474363.09	3849377	6.46E-04	6.30E-04	6.22E-04	2.24E-07	6.75E-07	3.91E-07	3.81E-07	3.46E-07	1.58E-07	1.56E-07	7.47E-09	1.80E-07	3.98E-08	5.18E-08	8.21E-08	1.45E-08	1.03E-08	3.86E-07	2.04E-07	8.65E-08	1.02E-07	4.00E-08	2.04E-07	8.65E-08
3452	474863.09	3849377	8.94E-04	8.72E-04	8.60E-04	3.09E-07	9.34E-07	5.41E-07	5.28E-07	4.78E-07	2.18E-07	2.15E-07	1.03E-08	2.50E-07	5.51E-08	7.16E-08	1.14E-07	2.00E-08	1.42E-08	5.34E-07	2.82E-07	1.20E-07	1.41E-07	5.53E-08	2.82E-07	1.20E-07
3453	475363.09	3849377	1.46E-03	1.42E-03	1.40E-03	5.04E-07	1.52E-06	8.82E-07	8.60E-07	7.80E-07	3.56E-07	3.51E-07	1.68E-08	4.07E-07	8.98E-08	1.17E-07	1.85E-07	3.27E-08	2.32E-08	8.71E-07	4.60E-07	1.95E-07	2.30E-07	9.02E-08	4.60E-07	1.95E-07
3454	475863.09	3849377	2.52E-03	2.46E-03	2.42E-03	8.71E-07	2.63E-06	1.52E-06	1.49E-06	1.35E-06	6.15E-07	6.06E-07	2.91E-08	7.03E-07	1.55E-07	2.02E-07	3.20E-07	5.64E-08	4.00E-08	1.51E-06	7.94E-07	3.37E-07	3.96E-07	1.56E-07	7.94E-07	3.37E-07
3455	476363.09	3849377	5.50E-03	5.36E-03	5.29E-03	1.90E-06	5.74E-06	3.32E-06	3.24E-06	2.94E-06	1.34E-06	1.32E-06	6.35E-08	1.53E-06	3.39E-07	4.41E-07	6.99E-07	1.23E-07	8.73E-08	3.29E-06	1.73E-06	7.36E-07	8.66E-07	3.40E-07	1.73E-06	7.36E-07
3456	476863.09	3849377	1.53E-02	1.49E-02	1.47E-02	5.28E-06	1.59E-05	9.23E-06	9.01E-06	8.16E-06	3.73E-06	3.68E-06	1.76E-07	4.26E-06	9.40E-07	1.22E-06	1.94E-06	3.42E-07	2.42E-07	9.12E-06	4.81E-06	2.04E-06	2.40E-06	9.44E-07	4.81E-06	2.04E-06
3457	477363.09	3849377	4.38E-03	4.27E-03	4.21E-03	1.52E-06	4.57E-06	2.65E-06	2.58E-06	2.34E-06	1.07E-06	1.05E-06	5.06E-08	1.22E-06	2.70E-07	3.51E-07	5.57E-07	9.81E-08	6.96E-08	2.62E-06	1.38E-06	5.86E-07	6.90E-07	2.71E-07	1.38E-06	5.86E-07
3458	477863.09	3849377	2.63E-03	2.56E-03	2.53E-03	9.10E-07	2.75E-06	1.59E-06	1.55E-06	1.41E-06	6.42E-07	6.33E-07	3.04E-08	7.34E-07	1.62E-07	2.11E-07	3.34E-07	5.89E-08	4.18E-08	1.57E-06	8.29E-07	3.52E-07	4.14E-07	1.63E-07	8.29E-07	3.52E-07
3459	478363.09	3849377	1.93E-03	1.89E-03	1.86E-03	6.69E-07	2.02E-06	1.17E-06	1.14E-06	1.03E-06	4.72E-07	4.66E-07	2.23E-08	5.40E-07	1.19E-07	1.55E-07	2.46E-07	4.33E-08	3.07E-08	1.16E-06	6.10E-07	2.59E-07	3.05E-07	1.20E-07	6.10E-07	2.59E-07
3460	478863.09	3849377	1.46E-03	1.42E-03	1.41E-03	5.05E-07	1.53E-06	8.83E-07	8.62E-07	7.81E-07	3.56E-07	3.52E-07	1.69E-08	4.08E-07	8.99E-08	1.17E-07	1.86E-07	3.27E-08	2.32E-08	8.73E-07	4.61E-07	1.95E-07	2.30E-07	9.03E-08	4.61E-07	1.95E-07
3461	479363.09	3849377	1.19E-03	1.17E-03	1.15E-03	4.14E-07	1.25E-06	7.23E-07	7.05E-07	6.40E-07	2.92E-07	2.88E-07	1.38E-08	3.34E-07	7.36E-08	9.58E-08	1.52E-07	2.68E-08	1.90E-08	7.15E-07	3.77E-07	1.60E-07	1.88E-07	7.39E-08	3.77E-07	1.60E-07
3462	479863.09	3849377	9.41E-04	9.18E-04	9.06E-04	3.26E-07	9.83E-07	5.69E-07	5.56E-07	5.04E-07	2.30E-07	2.27E-07	1.09E-08	2.63E-07	5.80E-08	7.54E-08	1.20E-07	2.11E-08	1.50E-08	5.63E-07	2.97E-07	1.26E-07	1.48E-07	5.82E-08	2.97E-07	1.26E-07
3463	480363.09	3849377	8.91E-04	8.70E-04	8.58E-04	3.08E-07	9.31E-07	5.39E-07	5.26E-07	4.77E-07	2.18E-07	2.15E-07	1.03E-08	2.49E-07	5.49E-08	7.14E-08	1.13E-07	2.00E-08	1.42E-08	5.33E-07	2.81E-07	1.19E-07	1.40E-07	5.52E-08	2.81E-07	1.19E-07
3464	480863.09	3849377	7.83E-04	7.64E-04	7.54E-04	2.71E-07	8.19E-07	4.74E-07	4.62E-07	4.19E-07	1.91E-07	1.89E-07	9.05E-09	2.19E-07	4.83E-08	6.28E-08	9.96E-08	1.76E-08	1.25E-08	4.68E-07	2.47E-07	1.05E-07	1.23E-07	4.85E-08	2.47E-07	1.05E-07
3465	481363.09	3849377	6.69E-04	6.53E-04	6.44E-04	2.32E-07	6.99E-07	4.05E-07	3.95E-07	3.58E-07	1.63E-07	1.61E-07	7.74E-09	1.87E-07	4.12E-08	5.36E-08	8.51E-08	1.50E-08	1.06E-08	4.00E-07	2.11E-07	8.96E-08	1.05E-07	4.14E-08	2.11E-07	8.96E-08
3466	481863.09	3849377	5.49E-04	5.36E-04	5.29E-04	1.90E-07	5.74E-07	3.32E-07	3.24E-07	2.94E-07	1.34E-07	1.32E-07	6.35E-09	1.53E-07	3.38E-08	4.40E-08	6.99E-08	1.23E-08	8.73E-09	3.28E-07	1.73E-07	7.36E-08	8.65E-08	3.40E-08	1.73E-07	7.36E-08
3467	482363.09	3849377	4.90E-04	4.79E-04	4.72E-04	1.70E-07	5.13E-07	2.97E-07	2.90E-07	2.62E-07	1.20E-07	1.18E-07	5.67E-09	1.37E-07	3.02E-08	3.93E-08	6.24E-08	1.10E-08	7.79E-09	2.93E-07	1.55E-07	6.57E-08	7.73E-08	3.03E-08	1.55E-07	6.57E-08
3468	482863.09	3849377	4.32E-04	4.22E-04	4.16E-04	1.50E-07	4.52E-07	2.62E-07	2.55E-07	2.31E-07	1.06E-07	1.04E-07	5.00E-09	1.21E-07	2.66E-08	3.47E-08	5.50E-08	9.69E-09	6.87E-09	2.59E-07	1.36E-07	5.79E-08	6.81E-08	2.68E-08	1.36E-07	5.79E-08
3469	483363.09	3849377	3.97E-04	3.88E-04	3.83E-04	1.38E-07	4.15E-07	2.40E-07	2.35E-07	2.13E-07	9.71E-08	9.58E-08	4.59E-09	1.11E-07	2.45E-08	3.19E-08	5.05E-08	8.91E-09	6.32E-09	2.38E-07	1.25E-07	5.32E-08	6.26E-08	2.46E-08	1.25E-07	5.32E-08
3470	483863.09	3849377	3.56E-04	3.48E-04	3.43E-04	1.23E-07	3.72E-07	2.16E-07	2.10E-07	1.91E-07	8.70E-08	8.59E-08	4.12E-09	9.95E-08	2.20E-08	2.86E-08	4.53E-08	7.99E-09	5.66E-09	2.13E-07	1.12E-07	4.77E-08	5.61E-08	2.21E-08	1.12E-07	4.77E-08
3471	484363.09	3849377	4.06E-04	3.96E-04	3.91E-04	1.41E-07	4.25E-07	2.46E-07	2.40E-07	2.17E-07	9.92E-08	9.79E-08	4.70E-09	1.13E-07	2.50E-08	3.26E-08	5.17E-08	9.10E-09	6.46E-09	2.43E-07	1.28E-07	5.44E-08	6.40E-08	2.51E-08	1.28E-07	5.44E-08

3472	484863.09	3849377	4.21E-04	4.11E-04	4.05E-04	1.46E-07	4.40E-07	2.55E-07	2.48E-07	2.25E-07	1.03E-07	1.01E-07	4.86E-09	1.17E-07	2.59E-08	3.37E-08	5.35E-08	9.43E-09	6.69E-09	2.52E-07	1.33E-07	5.63E-08	6.63E-08	2.60E-08	1.33E-07	5.63E-08
3473	485363.09	3849377	4.03E-04	3.94E-04	3.88E-04	1.40E-07	4.21E-07	2.44E-07	2.38E-07	2.16E-07	9.85E-08	9.72E-08	4.66E-09	1.13E-07	2.48E-08	3.23E-08	5.13E-08	9.04E-09	6.41E-09	2.41E-07	1.27E-07	5.40E-08	6.35E-08	2.50E-08	1.27E-07	5.40E-08
3474	485863.09	3849377	3.57E-04	3.48E-04	3.44E-04	1.24E-07	3.73E-07	2.16E-07	2.11E-07	1.91E-07	8.71E-08	8.60E-08	4.12E-09	9.96E-08	2.20E-08	2.86E-08	4.54E-08	8.00E-09	5.67E-09	2.13E-07	1.13E-07	4.78E-08	5.62E-08	2.21E-08	1.13E-07	4.78E-08
3475	486363.09	3849377	3.19E-04	3.11E-04	3.07E-04	1.10E-07	3.33E-07	1.93E-07	1.88E-07	1.71E-07	7.79E-08	7.69E-08	3.69E-09	8.91E-08	1.97E-08	2.56E-08	4.06E-08	7.15E-09	5.07E-09	1.91E-07	1.01E-07	4.27E-08	5.03E-08	1.97E-08	1.01E-07	4.27E-08
3476	486863.09	3849377	3.32E-04	3.24E-04	3.20E-04	1.15E-07	3.47E-07	2.01E-07	1.96E-07	1.78E-07	8.12E-08	8.01E-08	3.84E-09	9.28E-08	2.05E-08	2.66E-08	4.23E-08	7.45E-09	5.28E-09	1.99E-07	1.05E-07	4.45E-08	5.24E-08	2.06E-08	1.05E-07	4.45E-08
3477	487363.09	3849377	3.26E-04	3.18E-04	3.14E-04	1.13E-07	3.40E-07	1.97E-07	1.92E-07	1.74E-07	7.95E-08	7.85E-08	3.76E-09	9.09E-08	2.01E-08	2.61E-08	4.14E-08	7.30E-09	5.18E-09	1.95E-07	1.03E-07	4.36E-08	5.13E-08	2.02E-08	1.03E-07	4.36E-08
3478	487863.09	3849377	3.12E-04	3.05E-04	3.01E-04	1.08E-07	3.27E-07	1.89E-07	1.84E-07	1.67E-07	7.63E-08	7.53E-08	3.61E-09	8.72E-08	1.92E-08	2.50E-08	3.97E-08	7.00E-09	4.97E-09	1.87E-07	9.86E-08	4.18E-08	4.92E-08	1.93E-08	9.86E-08	4.18E-08
3479	488363.09	3849377	3.00E-04	2.93E-04	2.89E-04	1.04E-07	3.14E-07	1.82E-07	1.77E-07	1.61E-07	7.34E-08	7.24E-08	3.47E-09	8.39E-08	1.85E-08	2.41E-08	3.82E-08	6.73E-09	4.77E-09	1.80E-07	9.48E-08	4.02E-08	4.73E-08	1.86E-08	9.48E-08	4.02E-08
3480	488863.09	3849377	2.91E-04	2.84E-04	2.80E-04	1.01E-07	3.04E-07	1.76E-07	1.72E-07	1.56E-07	7.11E-08	7.02E-08	3.37E-09	8.13E-08	1.79E-08	2.33E-08	3.70E-08	6.53E-09	4.63E-09	1.74E-07	9.19E-08	3.90E-08	4.59E-08	1.80E-08	9.19E-08	3.90E-08
3481	489363.09	3849377	2.83E-04	2.76E-04	2.72E-04	9.78E-08	2.95E-07	1.71E-07	1.67E-07	1.51E-07	6.90E-08	6.81E-08	3.27E-09	7.89E-08	1.74E-08	2.26E-08	3.59E-08	6.33E-09	4.49E-09	1.69E-07	8.92E-08	3.78E-08	4.45E-08	1.75E-08	8.92E-08	3.78E-08
3482	489863.09	3849377	2.72E-04	2.65E-04	2.62E-04	9.41E-08	2.84E-07	1.64E-07	1.60E-07	1.45E-07	6.64E-08	6.55E-08	3.14E-09	7.59E-08	1.67E-08	2.18E-08	3.46E-08	6.09E-09	4.32E-09	1.63E-07	8.58E-08	3.64E-08	4.28E-08	1.68E-08	8.58E-08	3.64E-08
3483	490363.09	3849377	2.57E-04	2.51E-04	2.47E-04	8.89E-08	2.68E-07	1.55E-07	1.52E-07	1.37E-07	6.27E-08	6.19E-08	2.97E-09	7.17E-08	1.58E-08	2.06E-08	3.27E-08	5.76E-09	4.08E-09	1.54E-07	8.11E-08	3.44E-08	4.05E-08	1.59E-08	8.11E-08	3.44E-08
3484	490863.09	3849377	2.45E-04	2.39E-04	2.36E-04	8.49E-08	2.56E-07	1.48E-07	1.45E-07	1.31E-07	5.99E-08	5.91E-08	2.83E-09	6.85E-08	1.51E-08	1.97E-08	3.12E-08	5.50E-09	3.90E-09	1.47E-07	7.74E-08	3.28E-08	3.86E-08	1.52E-08	7.74E-08	3.28E-08
3485	491363.09	3849377	2.35E-04	2.29E-04	2.26E-04	8.13E-08	2.45E-07	1.42E-07	1.39E-07	1.26E-07	5.73E-08	5.66E-08	2.71E-09	6.56E-08	1.45E-08	1.88E-08	2.99E-08	5.26E-09	3.73E-09	1.40E-07	7.41E-08	3.14E-08	3.70E-08	1.45E-08	7.41E-08	3.14E-08
3486	491863.09	3849377	2.20E-04	2.15E-04	2.12E-04	7.61E-08	2.30E-07	1.33E-07	1.30E-07	1.18E-07	5.37E-08	5.30E-08	2.54E-09	6.14E-08	1.35E-08	1.76E-08	2.80E-08	4.93E-09	3.50E-09	1.31E-07	6.94E-08	2.94E-08	3.46E-08	1.36E-08	6.94E-08	2.94E-08
3487	492363.09	3849377	2.07E-04	2.02E-04	1.99E-04	7.15E-08	2.16E-07	1.25E-07	1.22E-07	1.11E-07	5.05E-08	4.98E-08	2.39E-09	5.77E-08	1.27E-08	1.66E-08	2.63E-08	4.63E-09	3.28E-09	1.24E-07	6.52E-08	2.77E-08	3.25E-08	1.28E-08	6.52E-08	2.77E-08
3488	492863.09	3849377	1.89E-04	1.85E-04	1.82E-04	6.55E-08	1.98E-07	1.14E-07	1.12E-07	1.01E-07	4.62E-08	4.56E-08	2.19E-09	5.28E-08	1.17E-08	1.52E-08	2.41E-08	4.24E-09	3.01E-09	1.13E-07	5.97E-08	2.53E-08	2.98E-08	1.17E-08	5.97E-08	2.53E-08
3489	493363.09	3849377	1.80E-04	1.76E-04	1.74E-04	6.25E-08	1.89E-07	1.09E-07	1.07E-07	9.66E-08	4.41E-08	4.35E-08	2.09E-09	5.04E-08	1.11E-08	1.45E-08	2.30E-08	4.04E-09	2.87E-09	1.08E-07	5.70E-08	2.42E-08	2.84E-08	1.12E-08	5.70E-08	2.42E-08
3490	493863.09	3849377	1.75E-04	1.71E-04	1.69E-04	6.06E-08	1.83E-07	1.06E-07	1.03E-07	9.37E-08	4.28E-08	4.22E-08	2.02E-09	4.89E-08	1.08E-08	1.40E-08	2.23E-08	3.92E-09	2.78E-09	1.05E-07	5.53E-08	2.34E-08	2.76E-08	1.08E-08	5.53E-08	2.34E-08
3491	494363.09	3849377	1.74E-04	1.70E-04	1.68E-04	6.03E-08	1.82E-07	1.05E-07	1.03E-07	9.33E-08	4.26E-08	4.20E-08	2.01E-09	4.87E-08	1.07E-08	1.40E-08	2.22E-08	3.91E-09	2.77E-09	1.04E-07	5.50E-08	2.33E-08	2.75E-08	1.08E-08	5.50E-08	2.33E-08
3492	494863.09	3849377	1.82E-04	1.78E-04	1.75E-04	6.30E-08	1.90E-07	1.10E-07	1.08E-07	9.75E-08	4.45E-08	4.39E-08	2.11E-09	5.09E-08	1.12E-08	1.46E-08	2.32E-08	4.08E-09	2.90E-09	1.09E-07	5.75E-08	2.44E-08	2.87E-08	1.13E-08	5.75E-08	2.44E-08
3493	495363.09	3849377	1.82E-04	1.78E-04	1.75E-04	6.30E-08	1.90E-07	1.10E-07	1.08E-07	9.75E-08	4.45E-08	4.39E-08	2.11E-09	5.09E-08	1.12E-08	1.46E-08	2.32E-08	4.08E-09	2.90E-09	1.09E-07	5.75E-08	2.44E-08	2.87E-08	1.13E-08	5.75E-08	2.44E-08
3494	495863.09	3849377	1.60E-04	1.56E-04	1.54E-04	5.54E-08	1.67E-07	9.69E-08	9.46E-08	8.57E-08	3.91E-08	3.86E-08	1.85E-09	4.47E-08	9.87E-09	1.28E-08	2.04E-08	3.59E-09	2.55E-09	9.58E-08	5.05E-08	2.14E-08	2.52E-08	9.91E-09	5.05E-08	2.14E-08
3495	496363.09	3849377	1.55E-04	1.51E-04	1.49E-04	5.37E-08	1.62E-07	9.39E-08	9.16E-08	8.30E-08	3.79E-08	3.74E-08	1.79E-09	4.33E-08	9.56E-09	1.24E-08	1.97E-08	3.48E-09	2.47E-09	9.28E-08	4.90E-08	2.08E-08	2.44E-08	9.60E-09	4.90E-08	2.08E-08
3496	496863.09	3849377	1.75E-04	1.71E-04	1.69E-04	6.06E-08	1.83E-07	1.06E-07	1.03E-07	9.37E-08	4.28E-08	4.22E-08	2.02E-09	4.89E-08	1.08E-08	1.40E-08	2.23E-08	3.92E-09	2.78E-09	1.05E-07	5.53E-08	2.34E-08	2.76E-08	1.08E-08	5.53E-08	2.34E-08
3497	497363.09	3849377	1.78E-04	1.74E-04	1.72E-04	6.18E-08	1.86E-07	1.08E-07	1.05E-07	9.55E-08	4.36E-08	4.30E-08	2.06E-09	4.98E-08	1.10E-08	1.43E-08	2.27E-08	4.00E-09	2.84E-09	1.07E-07	5.63E-08	2.39E-08	2.81E-08	1.10E-08	5.63E-08	2.39E-08
3498	497863.09	3849377	1.96E-04	1.91E-04	1.89E-04	6.79E-08	2.05E-07	1.19E-07	1.16E-07	1.05E-07	4.79E-08	4.73E-08	2.27E-09	5.48E-08	1.21E-08	1.57E-08	2.50E-08	4.40E-09	3.12E-09	1.17E-07	6.19E-08	2.63E-08	3.09E-08	1.21E-08	6.19E-08	2.63E-08
3499	498363.09	3849377	1.90E-04	1.85E-04	1.83E-04	6.56E-08	1.98E-07	1.15E-07	1.12E-07	1.01E-07	4.63E-08	4.57E-08	2.19E-09	5.29E-08	1.17E-08	1.52E-08	2.41E-08	4.25E-09	3.01E-09	1.13E-07	5.98E-08	2.54E-08	2.99E-08	1.17E-08	5.98E-08	2.54E-08
3500	471363.09	3849877	2.19E-04	2.14E-04	2.11E-04	7.58E-08	2.29E-07	1.33E-07	1.29E-07	1.17E-07	5.35E-08	5.28E-08	2.53E-09	6.12E-08	1.35E-08	1.76E-08	2.79E-08	4.91E-09	3.48E-09	1.31E-07	6.91E-08	2.93E-08	3.45E-08	1.36E-08	6.91E-08	2.93E-08
3501	471863.09	3849877	2.56E-04	2.50E-04	2.47E-04	8.88E-08	2.68E-07	1.55E-07	1.51E-07	1.37E-07	6.26E-08	6.18E-08	2.96E-09	7.16E-08	1.58E-08	2.06E-08	3.26E-08	5.75E-09	4.08E-09	1.53E-07	8.09E-08	3.43E-08	4.04E-08	1.59E-08	8.09E-08	3.43E-08
3502	472363.09	3849877	2.85E-04	2.78E-04	2.74E-04	9.85E-08	2.97E-07	1.72E-07	1.68E-07	1.52E-07	6.95E-08	6.86E-08	3.29E-09	7.95E-08	1.75E-08	2.28E-08	3.62E-08	6.38E-09	4.52E-09	1.70E-07	8.98E-08	3.81E-08	4.48E-08	1.76E-08	8.98E-08	3.81E-08
3503	472863.09	3849877	3.12E-04	3.04E-04	3.00E-04	1.08E-07	3.26E-07	1.89E-07	1.84E-07	1.67E-07	7.62E-08	7.52E-08	3.61E-09	8.71E-08	1.92E-08	2.50E-08	3.97E-08	6.99E-09	4.96E-09	1.87E-07	9.85E-08	4.18E-08	4.91E-08	1.93E-08	9.85E-08	4.18E-08
3504	473363.09	3849877	3.48E-04	3.40E-04	3.36E-04	1.21E-07	3.64E-07	2.11E-07	2.06E-07	1.87E-07	8.51E-08	8.40E-08	4.03E-09	9.73E-08	2.15E-08	2.79E-08	4.43E-08	7.81E-09	5.54E-09	2.08E-07	1.10E-07	4.67E-08	5.49E-08	2.16E-08	1.10E-07	4.67E-08
3505	473863.09	3849877	3.96E-04	3.87E-04	3.81E-04	1.37E-07	4.14E-07	2.40E-07	2.34E-07	2.12E-07	9.68E-08	9.55E-08	4.58E-09	1.11E-07	2.44E-08	3.18E-08	5.04E-08	8.88E-09	6.30E-09	2.37E-07	1.25E-07	5.31E-08	6.24E-08	2.45E-08	1.25E-07	5.31E-08
3506	474363.09	3849877	4.60E-04	4.49E-04	4.43E-04	1.59E-07	4.80E-07	2.78E-07	2.71E-07	2.46E-07	1.12E-07	1.11E-07	5.31E-09	1.28E-07	2.83E-08	3.69E-08	5.85E-08	1.03E-08	7.31E-09	2.75E-07	1.45E-07	6.16E-08	7.24E-08	2.84E-08	1.45E-07	6.16E-08
3507	474863.09	3849877	5.39E-04	5.26E-04	5.19E-04	1.87E-07	5.63E-07	3.26E-07	3.18E-07	2.88E-07	1.32E-07	1.30E-07	6.23E-09	1.50E-07	3.32E-08	4.32E-08	6.85E-08	1.21E-08	8.57E-09	3.22E-07	1.70E-07	7.22E-08	8.49E-08	3.34E-08	1.70E-07	7.22E-08
3508	475363.09	3849877	6.47E-04	6.31E-04	6.23E-04	2.24E-07	6.76E-07	3.91E-07	3.82E-07	3.46E-07	1.58E-07	1.56E-07	7.48E-09	1.81E-07	3.99E-08	5.18E-08	8.23E-08	1.45E-08	1.03E-08	3.87E-07	2.04E-07	8.66E-08	1.02E-07	4.00E-08	2.04E-07	8.66E-08
3509	475863.09	3849877	7.90E-04	7.71E-04	7.61E-04	2.74E-07	8.26E-07	4.78E-07	4.67E-07	4.23E-07	1.93E-07	1.90E-07	9.14E-09	2.21E-07	4.87E-08	6.34E-08	1.01E-07	1.77E-08	1.26E-08	4.73E-07	2.49E-07	1.06E-07	1.25E-07	4.89E-08	2.49E-07	1.06E-07
3510	476363.09	3849877	1.01E-03	9.84E-04	9.71E-04	3.49E-07	1.05E-06	6.10E-07	5.95E-07	5.40E-07	2.46E-07	2.43E-07	1.17E-08	2.82E-07	6.21E-08	8.09E-08	1.28E-07	2.26E-08	1.60E-08	6.03E-07	3.18E-07	1.35E-07	1.59E-07	6.24E-08	3.18E-07	1.35E-07
3511	476863.09	3849877	1.50E-03	1.46E-03	1.44E-03	5.18E-07	1.56E-06	9.05E-07	8.83E-07	8.01E-07	3.65E-07	3.60E-07	1.73E-08	4.18E-07	9.22E-08	1.20E-07	1.90E-07	3.35E-08	2.38E-08	8.94E-07	4.72E-07	2.00E-07	2.36E-07	9.26E-08	4.72E-07	2.00E-07
3512	477363.09	3849877	3.54E-03	3.45E-03	3.41E-03	1.22E-06	3.70E-06	2.14E-06	2.09E-06	1.89E-06	8.64E-07	8.52E-07	4.09E-08	9.87E-07	2.18E-07	2.83E-07	4.50E-07	7.93E-08	5.62E-08	2.11E-06	1.12E-06	4.74E-07	5.57E-07	2.19E-07	1.12E-06	4.74E-07
3513	477863.09	3849877	1.69E-02	1.65E-02	1.63E-02	5.84E-06	1.76E-05	1.02E-05	9.97E-06	9.04E-06	4.12E-06	4.07E-06	1.95E-07	4.71E-06	1.04E-06	1.35E-06	2.15E-06	3.78E-07	2.68E-07	1.01E-05	5.33E-06	2.26E-06	2.66E-06	1.04E-06	5.33E-06	2.26E-06
3514	478363.09	3849877	4.63E-03	4.52E-03	4.46E-03	1.60E-06	4.84E-06	2.80E-06	2.73E-06	2.48E-06	1.13E-06	1.12E-06	5.35E-08	1.29E-06	2.85E-07	3.71E-07	5.89E-07	1.04E-07	7.36E-08	2.77E-06	1.46E-06	6.20E-07	7.29E-07	2.86E-07	1.46E-06	6.20E-07
3515	478863.09	3849877	2.78E-03	2.71E-03	2.68E-03	9.63E-07	2.91E-06	1.68E-06	1.64E-06	1.49E-06	6.79E-07	6.70E-07	3.21E-08	7.76E-07	1.71E-07	2.23E-07	3.54E-07	6.23E-08	4.42E-08	1.66E-06	8.78E-07	3.72E-07	4.38E-07	1.72E-07	8.78E-07	3.72E-07
3516	479363.09	3849877	1.91E-03	1.86E-03	1.84E-03	6.61E-07	2.00E-06	1.16E-06	1.13E-06	1.02E-06	4.66E-07	4.60E-07	2.21E-08	5.33E-07	1.18E-07	1.53E-07	2.43E-07	4.28E-08	3.03E-08	1.14E-06	6.03E-07	2.56E-07	3.01E-07	1.18E-07	6.03E-07	2.56E-07
3517	479863.09	3849877	1.52E-03	1.48E-03	1.47E-03	5.27E-07	1.59E-06	9.21E-07	8.99E-07	8.14E-07	3.72E-07	3.67E-07	1.76E-08	4.25E-07	9.38E-08	1.22E-07	1.94E-07	3.41E-08	2.42E-08	9.10E-07	4.80E-07	2.04E-07	2.40E-07	9.42E-08	4.80E-07	2.04E-07
3518	480363.09	3849877	1.16E-03	1.14E-03	1.12E-03	4.03E-07	1.22E-06	7.04E-07	6.87E-07	6.23E-07	2.84E-07	2.80E-07	1.35E-08	3.25E-07	7.17E-08	9.33E-08	1.48E-07	2.61E-08	1.85E-08	6.96E-07	3.67E-07	1.56E-07	1.83E-07	7.20E-08	3.67E-07	1.56E-07
3519	480863.09	3849877	9.46E-04	9.23E-04	9.10E-04	3.27E-07	9.88E-07	5.72E-07	5.58E-07	5.06E-07	2.31E-07	2.28E-07	1.09E-08	2.64E-07	5.83E-08	7.58E-08	1.20E-07	2.12E-08	1.50E-08	5.65E-07	2.98E-07	1.27E-07	1.49E-07	5.85E-08	2.98E-07	1.27E-07
3520	481363.09	3849877	8.08E-04	7.88E-04	7.78E-04	2.80E-07	8.44E-07	4.89E-07	4.77E-07	4.32E-07	1.97E-07	1.95E-07	9.34E-09	2.26E-07	4.98E-08	6.48E-08	1.03E-07	1.81E-08	1.28E-08	4.83E-07	2.55E-07	1.08E-07	1.27E-07	5.00E-08	2.55E-07	1.08E-07
3521	481863.09	3849877	6.25E-04	6.10E-04	6.02E-04	2.16E-07	6.53E-07	3.78E-07	3.69E-07	3.35E-07	1.53E-07	1.51E-07	7.23E-09	1.75E-07	3.85E-08	5.01E-08	7.95E-08	1.40E-08	9.94E-09	3.74E-07	1.97E-07	8.37E-08	9.85E-08	3.87E-08	1.97E-07	8.37E-08
3522	482363.09	3849877	5.36E-04	5.23E-04	5.17E-04	1.86E-07	5.61E-07	3.25E-07	3.17E-07	2.87E-07	1.31E-07	1.29E-07	6.20E-09	1.50E-07	3.31E-08	4.30E-08	6.82E-08	1.20E-08	8.53E-09	3.21E-07	1.69E-07	7.18E-08	8.45E-08	3.32E-08	1.69E-07	7.18E-08
3523	482863.09	3849877	4.75E-04	4.64E-04	4.58E-04	1.65E-07	4.97E-07	2.88E-07	2.81E-07	2.54E-07	1.16E-07	1.15E-07	5.50E-09	1.33E-07	2.93E-08	3.81E-08	6.05E-08	1.07E-08	7.56E-09	2.84E-07	1.50E-07	6.37E-08	7.49E-08	2.94E-08	1.50E-07	6.37E-08
3524	483363.09	3849877	4.22E-04	4.12E-04	4.07E-04	1.46E-07	4.41E-07	2.56E-07	2.49E-07	2.26E-07	1.03E-07	1.02E-07	4.88E-09	1.18E-07	2.60E-08	3.39E-08	5.37E-08	9.47E-09	6.71E-09	2.53E-07	1.33E-07	5.66E-08	6.65E-08	2.61E-08	1.33E-07	5.66E-08
3525	483863.09	3849877	4.02E-04	3.92E-04	3.87E-04	1.39E-07	4.20E-07	2.43E-07	2.37E-07	2.15E-07	9.82E-08	9.69E-08	4.65E-09	1.12E-07	2.48E-08	3.22E-08	5.11E-08	9.01E-09	6.39E-09	2.40E-07	1.27E-07	5.38E-08	6.33E-08	2.49E-08	1.27E-07	5.38E-08
3526	484363.09	3849877	4.41E-04	4.30E-04	4.24E-04	1.53E-07	4.61E-07	2.67E-07	2.60E-07	2.36E-07	1.08E-07	1.06E-07	5.09E-09	1.23E-07	2.71E-08	3.53E-08	5.60E-08	9.87E-09	7.00E-09	2.63E-07	1.39E-07	5.90E-08	6.94E-08	2.73E-08	1.39E-07	5.90E-08
3527	484863.09	3849877	4.70E-04	4.58E-04	4.52E-04	1.63E-07	4.91E-07	2.84E-07	2.77E-07	2.51E-07	1.15E-07	1.13E-07	5.43E-09	1.31E-07	2.89E-08	3.76E-08	5.97E-08	1.05E-08	7.47E-09	2.81E-07	1.48E-07	6.29E-08	7.40E-08	2.91E-08	1.48E-07	6.29E-08
3528	485363.09	3849877	4.37E-04	4.26E-04	4.21E-04	1.51E-07	4.57E-07	2.64E-07	2.58E-07	2.34E-07	1.07E-07	1.05E-07	5.05E-09	1.22E-07	2.69E-08	3.50E-08	5.56E-08	9.79E-09	6.94E-09	2.61E-07	1.38E-07	5.85E-08	6.88E-08	2.70E-08	1.38E-07	5.85E-08
3529	485863.09	3849877	3.96E-04	3.87E-04	3.81E-04	1.37E-07	4.14E-07	2.40E-07	2.34E-07	2.12E-07	9.68E-08	9.55E-08	4.58E-09	1.11E-07	2.44E-08	3.18E-08	5.04E-08	8.88E-09	6.30E-09	2.37E-07	1.25E-07	5.31E-08	6.24E-08	2.45E-08	1.25E-07	5.31E-08
3530	486363.09	3849877	3.71E-04	3.62E-04	3.57E-04	1.28E-07	3.88E-07	2.24E-07	2.19E-07	1.99E-07	9.06E-08	8.94E-08	4.29E-09	1.04E-07	2.29E-08	2.97E-08	4.72E-08	8.31E-09	5.90E-09	2.22E-07	1.17E-07	4.97E-08	5.84E-08	2.30E-08	1.17E-07	4.97E-08
3531	486863.09	3849877	3.70E-04	3.61E-04	3.56E-04	1.28E-07	3.87E-07	2.24E-07	2.19E-07	1.98E-07	9.04E-08	8.92E-08	4.28E-09	1.03E-07	2.28E-08	2.97E-08	4.71E-08	8.29E-09	5.88E-09	2.21E-07	1.17E-07	4.96E-08	5.83E-08	2.29E-08	1.17E-07	4.96E-08
3532	487363.09	3849877	3.55E-04	3.47E-04	3.42E-04	1.23E-07	3.71E-07	2.15E-07	2.10E-07	1.90E-07	8.67E-08	8.56E-08	4.11E-09	9.92E-08	2.19E-08	2.85E-08	4.52E-08	7.96E-09	5.64E-09	2.12E-07	1.12E-07	4.76E-08	5.59E-08	2.20E-08	1.12E-07	4.76E-08
3533	487863.09	3849877	3.39E-04	3.30E-04	3.26E-04	1.17E-07	3.54E-07	2.05E-07	2.00E-07	1.81E-07	8.27E-08	8.16E-08	3.91E-09	9.45E-08	2.09E-08	2.71E-08	4.31E-08	7.59E-09	5.38E-09	2.02E-07	1.07E-07	4.53E-08	5.33E-08	2.10E-08	1.07E-07	4.53E-08
3534	488363.09	3849877	3.25E-04	3.17E-04	3.13E-04	1.12E-07	3.40E-07	1.97E-07	1.92E-07	1.74E-07	7.93E-08	7.83E-08	3.76E-09	9.07E-08	2.00E-08	2.60E-08	4.13E-08	7.28E-09	5.16E-09	1.94E-07	1.03E-07	4.35E-08	5.12E-08	2.01E-08	1.03E-07	4.35E-08
3535	488863.09	3849877	3.13E-04	3.06E-04	3.02E-04	1.08E-07	3.27E-07	1.90E-07	1.85E-07	1.68E-07	7.65E-08	7.55E-08	3.62E-09	8.75E-08	1.93E-08	2.51E-08	3.98E-08	7.02E-09	4.98E-09	1.87E-07	9.89E-08	4.19E-08	4.93E-08	1.94E-08	9.89E-08	4.19E-08
3536	489363.09	3849877	3.00E-04	2.93E-04	2.89E-04	1.04E-07	3.14E-07	1.81E-07	1.77E-07	1.61E-07	7.33E-08	7.23E-08	3.47E-09	8.38E-08	1.85E-08	2.40E-08	3.81E-08	6.72E-09	4.77E-09	1.79E-07	9.47E-08	4.02E-08	4.73E-08	1.86E-08	9.47E-08	4.02E-08
3537	489863.09	3849877	2.85E-04	2.78E-04	2.74E-04	9.87E-08	2.98E-07	1.72E-07	1.68E-07	1.53E-07	6.96E-08	6.87E-08	3.29E-09	7.96E-08	1.76E-08	2.28E-08	3.62E-08	6.39E-09	4.53E-09	1.70E-07	9.00E-08	3.82E-08	4.49E-08	1.76E-08	9.00E-08	3.82E-08
3538	490363.09	3849877	2.70E-04	2.63E-04	2.60E-04	9.34E-08	2.82E-07	1.63E-07	1.59E-07	1.44E-07	6.59E-08	6.50E-08	3.12E-09	7.53E-08	1.66E-08	2.16E-08	3.43E-08	6.04E-09	4.29E-09	1.61E-07	8.51E-08	3.61E-08	4.25E-08	1.67E-08	8.51E-08	3.61E-08
3539	490863.09	3849877	2.57E-04	2.51E-04	2.48E-04	8.90E-08	2.69E-07	1.56E-07	1.52E-07	1.38E-07	6.28E-08	6.20E-08	2.97E-09	7.18E-08	1.58E-08	2.06E-08	3.27E-08	5.77E-09	4.09E-09	1.54E-07	8.12E-08	3.44E-08	4.05E-08	1.59E-08	8.12E-08	3.44E-08
3540	491363.09	3849877	2.46E-04	2.40E-04	2.37E-04	8.52E-08	2.57E-07	1.49E-07	1.45E-07	1.32E-07	6.01E-08	5.93E-08	2.84E-09	6.87E-08	1.52E-08	1.97E-08	3.13E-08	5.51E-09	3.91E-09	1.47E-07	7.76E-08	3.29E-08	3.88E-08	1.52E-08	7.76E-08	3.29E-08
3541	491863.09	3849877	2.30E-04	2.25E-04	2.22E-04	7.97E-08	2.41E-07	1.39E-07	1.36E-07	1.23E-07	5.62E-08	5.55E-08	2.66E-09	6.43E-08	1.42E-08	1.85E-08	2.93E-08	5.16E-09	3.66E-09	1.38E-07	7.27E-08	3.08E-08	3.63E-08	1.43E-08	7.27E-08	3.08E-08
3542	492363.09	3849877	2.17E-04	2.12E-04	2.09E-04	7.51E-08	2.27E-07	1.31E-07	1.28E-07	1.16E-07	5.30E-08	5.23E-08	2.51E-09	6.06E-08	1.34E-08	1.74E-08	2.76E-08	4.86E-09	3.45E-09	1.30E-07	6.85E-08	2.91E-08	3.42E-08	1.34E-08	6.85E-08	2.91E-08
3543	492863.09	3849877	2.02E-04	1.98E-04	1.95E-04	7.01E-08	2.12E-07	1.23E-07	1.20E-07	1.08E-07	4.94E-08	4.88E-08	2.34E-09	5.65E-08	1.25E-08	1.62E-08	2.57E-08	4.54E-09	3.22E-09	1.21E-07	6.39E-08	2.71E-08	3.19E-08	1.25E-08	6.39E-08	2.71E-08
3544	493363.09	3849877	1.88E-04	1.83E-04	1.81E-04	6.51E-08	1.96E-07	1.14E-07	1.11E-07	1.01E-07	4.59E-08	4.53E-08	2.17E-09	5.25E-08	1.16E-08	1.51E-08	2.39E-08	4.21E-09	2.99E-09	1.12E-07	5.93E-08	2.52E-08	2.96E-08	1.16E-08	5.93E-08	2.52E-08
3545	493863.09	3849877	1.79E-04	1.75E-04	1.73E-04	6.20E-08	1.87E-07	1.08E-07	1.06E-07	9.59E-08	4.38E-08	4.32E-08	2.07E-09	5.00E-08	1.10E-08	1.44E-08	2.28E-08	4.02E-09	2.85E-09	1.07E-07	5.66E-08	2.40E-08	2.82E-08	1.11E-08	5.66E-08	2.40E-08

3546	494363.09	3849877	1.92E-04	1.87E-04	1.85E-04	6.64E-08	2.00E-07	1.16E-07	1.13E-07	1.03E-07	4.68E-08	4.62E-08	2.22E-09	5.35E-08	1.18E-08	1.54E-08	2.44E-08	4.30E-09	3.05E-09	1.15E-07	6.05E-08	2.57E-08	3.02E-08	1.19E-08	6.05E-08	2.57E-08
3547	494863.09	3849877	1.97E-04	1.93E-04	1.90E-04	6.84E-08	2.06E-07	1.19E-07	1.17E-07	1.06E-07	4.82E-08	4.76E-08	2.28E-09	5.51E-08	1.22E-08	1.58E-08	2.51E-08	4.43E-09	3.14E-09	1.18E-07	6.23E-08	2.64E-08	3.11E-08	1.22E-08	6.23E-08	2.64E-08
3548	495363.09	3849877	1.82E-04	1.77E-04	1.75E-04	6.29E-08	1.90E-07	1.10E-07	1.07E-07	9.73E-08	4.44E-08	4.38E-08	2.10E-09	5.07E-08	1.12E-08	1.46E-08	2.31E-08	4.07E-09	2.89E-09	1.09E-07	5.74E-08	2.43E-08	2.86E-08	1.12E-08	5.74E-08	2.43E-08
3549	495863.09	3849877	1.90E-04	1.85E-04	1.83E-04	6.58E-08	1.99E-07	1.15E-07	1.12E-07	1.02E-07	4.64E-08	4.58E-08	2.20E-09	5.31E-08	1.17E-08	1.52E-08	2.42E-08	4.26E-09	3.02E-09	1.14E-07	6.00E-08	2.54E-08	2.99E-08	1.18E-08	6.00E-08	2.54E-08
3550	496363.09	3849877	1.90E-04	1.85E-04	1.83E-04	6.58E-08	1.99E-07	1.15E-07	1.12E-07	1.02E-07	4.64E-08	4.58E-08	2.20E-09	5.31E-08	1.17E-08	1.52E-08	2.42E-08	4.26E-09	3.02E-09	1.14E-07	6.00E-08	2.54E-08	2.99E-08	1.18E-08	6.00E-08	2.54E-08
3551	496863.09	3849877	1.89E-04	1.85E-04	1.82E-04	6.55E-08	1.98E-07	1.14E-07	1.12E-07	1.01E-07	4.62E-08	4.56E-08	2.19E-09	5.28E-08	1.17E-08	1.52E-08	2.41E-08	4.24E-09	3.01E-09	1.13E-07	5.97E-08	2.53E-08	2.98E-08	1.17E-08	5.97E-08	2.53E-08
3552	497363.09	3849877	2.00E-04	1.95E-04	1.93E-04	6.92E-08	2.09E-07	1.21E-07	1.18E-07	1.07E-07	4.88E-08	4.82E-08	2.31E-09	5.58E-08	1.23E-08	1.60E-08	2.54E-08	4.48E-09	3.18E-09	1.20E-07	6.31E-08	2.68E-08	3.15E-08	1.24E-08	6.31E-08	2.68E-08
3553	497863.09	3849877	2.01E-04	1.96E-04	1.94E-04	6.97E-08	2.10E-07	1.22E-07	1.19E-07	1.08E-07	4.91E-08	4.85E-08	2.33E-09	5.62E-08	1.24E-08	1.61E-08	2.56E-08	4.51E-09	3.20E-09	1.20E-07	6.35E-08	2.69E-08	3.17E-08	1.25E-08	6.35E-08	2.69E-08
3554	498363.09	3849877	1.95E-04	1.90E-04	1.88E-04	6.75E-08	2.04E-07	1.18E-07	1.15E-07	1.04E-07	4.76E-08	4.70E-08	2.25E-09	5.44E-08	1.20E-08	1.56E-08	2.48E-08	4.37E-09	3.10E-09	1.17E-07	6.15E-08	2.61E-08	3.07E-08	1.21E-08	6.15E-08	2.61E-08
3555	471363.09	3850377	1.61E-04	1.57E-04	1.55E-04	5.57E-08	1.68E-07	9.74E-08	9.50E-08	8.62E-08	3.93E-08	3.88E-08	1.86E-09	4.49E-08	9.92E-09	1.29E-08	2.05E-08	3.61E-09	2.56E-09	9.63E-08	5.08E-08	2.16E-08	2.54E-08	9.96E-09	5.08E-08	2.16E-08
3556	471863.09	3850377	2.06E-04	2.01E-04	1.98E-04	7.12E-08	2.15E-07	1.25E-07	1.21E-07	1.10E-07	5.03E-08	4.96E-08	2.38E-09	5.75E-08	1.27E-08	1.65E-08	2.62E-08	4.61E-09	3.27E-09	1.23E-07	6.49E-08	2.76E-08	3.24E-08	1.27E-08	6.49E-08	2.76E-08
3557	472363.09	3850377	2.34E-04	2.29E-04	2.26E-04	8.11E-08	2.45E-07	1.42E-07	1.38E-07	1.25E-07	5.72E-08	5.65E-08	2.71E-09	6.55E-08	1.44E-08	1.88E-08	2.98E-08	5.25E-09	3.73E-09	1.40E-07	7.40E-08	3.14E-08	3.69E-08	1.45E-08	7.40E-08	3.14E-08
3558	472863.09	3850377	2.72E-04	2.65E-04	2.62E-04	9.41E-08	2.84E-07	1.64E-07	1.60E-07	1.45E-07	6.64E-08	6.55E-08	3.14E-09	7.59E-08	1.67E-08	2.18E-08	3.46E-08	6.09E-09	4.32E-09	1.63E-07	8.58E-08	3.64E-08	4.28E-08	1.68E-08	8.58E-08	3.64E-08
3559	473363.09	3850377	2.97E-04	2.90E-04	2.86E-04	1.03E-07	3.10E-07	1.80E-07	1.75E-07	1.59E-07	7.25E-08	7.16E-08	3.43E-09	8.29E-08	1.83E-08	2.38E-08	3.78E-08	6.66E-09	4.72E-09	1.78E-07	9.38E-08	3.98E-08	4.68E-08	1.84E-08	9.38E-08	3.98E-08
3560	473863.09	3850377	3.28E-04	3.20E-04	3.16E-04	1.14E-07	3.43E-07	1.99E-07	1.94E-07	1.76E-07	8.01E-08	7.91E-08	3.79E-09	9.16E-08	2.02E-08	2.63E-08	4.17E-08	7.36E-09	5.22E-09	1.96E-07	1.04E-07	4.39E-08	5.17E-08	2.03E-08	1.04E-07	4.39E-08
3561	474363.09	3850377	3.63E-04	3.54E-04	3.50E-04	1.26E-07	3.79E-07	2.20E-07	2.14E-07	1.94E-07	8.87E-08	8.75E-08	4.20E-09	1.01E-07	2.24E-08	2.91E-08	4.62E-08	8.14E-09	5.77E-09	2.17E-07	1.15E-07	4.86E-08	5.72E-08	2.25E-08	1.15E-07	4.86E-08
3562	474863.09	3850377	4.04E-04	3.94E-04	3.89E-04	1.40E-07	4.22E-07	2.44E-07	2.38E-07	2.16E-07	9.86E-08	9.73E-08	4.67E-09	1.13E-07	2.49E-08	3.24E-08	5.13E-08	9.05E-09	6.42E-09	2.41E-07	1.27E-07	5.41E-08	6.36E-08	2.50E-08	1.27E-07	5.41E-08
3563	475363.09	3850377	4.51E-04	4.40E-04	4.35E-04	1.56E-07	4.72E-07	2.73E-07	2.67E-07	2.42E-07	1.10E-07	1.09E-07	5.22E-09	1.26E-07	2.78E-08	3.62E-08	5.74E-08	1.01E-08	7.17E-09	2.70E-07	1.42E-07	6.04E-08	7.11E-08	2.79E-08	1.42E-07	6.04E-08
3564	475863.09	3850377	5.20E-04	5.08E-04	5.01E-04	1.80E-07	5.44E-07	3.15E-07	3.07E-07	2.78E-07	1.27E-07	1.25E-07	6.01E-09	1.45E-07	3.21E-08	4.17E-08	6.62E-08	1.17E-08	8.27E-09	3.11E-07	1.64E-07	6.97E-08	8.20E-08	3.22E-08	1.64E-07	6.97E-08
3565	476363.09	3850377	6.05E-04	5.90E-04	5.82E-04	2.09E-07	6.32E-07	3.66E-07	3.57E-07	3.24E-07	1.48E-07	1.46E-07	6.99E-09	1.69E-07	3.73E-08	4.85E-08	7.69E-08	1.36E-08	9.61E-09	3.62E-07	1.91E-07	8.10E-08	9.53E-08	3.74E-08	1.91E-07	8.10E-08
3566	476863.09	3850377	7.29E-04	7.12E-04	7.02E-04	2.52E-07	7.62E-07	4.41E-07	4.31E-07	3.90E-07	1.78E-07	1.76E-07	8.43E-09	2.04E-07	4.49E-08	5.85E-08	9.28E-08	1.63E-08	1.16E-08	4.36E-07	2.30E-07	9.77E-08	1.15E-07	4.51E-08	2.30E-07	9.77E-08
3567	477363.09	3850377	9.41E-04	9.18E-04	9.06E-04	3.26E-07	9.83E-07	5.69E-07	5.56E-07	5.04E-07	2.30E-07	2.27E-07	1.09E-08	2.63E-07	5.80E-08	7.54E-08	1.20E-07	2.11E-08	1.50E-08	5.63E-07	2.97E-07	1.26E-07	1.48E-07	5.82E-08	2.97E-07	1.26E-07
3568	477863.09	3850377	1.41E-03	1.37E-03	1.36E-03	4.88E-07	1.47E-06	8.52E-07	8.32E-07	7.54E-07	3.44E-07	3.40E-07	1.63E-08	3.93E-07	8.68E-08	1.13E-07	1.79E-07	3.16E-08	2.24E-08	8.43E-07	4.45E-07	1.89E-07	2.22E-07	8.72E-08	4.45E-07	1.89E-07
3569	478363.09	3850377	3.33E-03	3.25E-03	3.20E-03	1.15E-06	3.48E-06	2.01E-06	1.97E-06	1.78E-06	8.13E-07	8.02E-07	3.85E-08	9.29E-07	2.05E-07	2.67E-07	4.23E-07	7.46E-08	5.29E-08	1.99E-06	1.05E-06	4.46E-07	5.24E-07	2.06E-07	1.05E-06	4.46E-07
3570	478863.09	3850377	1.91E-02	1.86E-02	1.84E-02	6.61E-06	2.00E-05	1.16E-05	1.13E-05	1.02E-05	4.66E-06	4.60E-06	2.21E-07	5.33E-06	1.18E-06	1.53E-06	2.43E-06	4.28E-07	3.04E-07	1.14E-05	6.03E-06	2.56E-06	3.01E-06	1.18E-06	6.03E-06	2.56E-06
3571	479363.09	3850377	4.86E-03	4.74E-03	4.68E-03	1.68E-06	5.08E-06	2.94E-06	2.87E-06	2.60E-06	1.19E-06	1.17E-06	5.62E-08	1.36E-06	3.00E-07	3.90E-07	6.18E-07	1.09E-07	7.73E-08	2.91E-06	1.53E-06	6.51E-07	7.66E-07	3.01E-07	1.53E-06	6.51E-07
3572	479863.09	3850377	2.69E-03	2.63E-03	2.59E-03	9.33E-07	2.82E-06	1.63E-06	1.59E-06	1.44E-06	6.58E-07	6.49E-07	3.11E-08	7.52E-07	1.66E-07	2.16E-07	3.43E-07	6.04E-08	4.28E-08	1.61E-06	8.50E-07	3.61E-07	4.24E-07	1.67E-07	8.50E-07	3.61E-07
3573	480363.09	3850377	1.86E-03	1.82E-03	1.79E-03	6.44E-07	1.94E-06	1.13E-06	1.10E-06	9.96E-07	4.54E-07	4.48E-07	2.15E-08	5.19E-07	1.15E-07	1.49E-07	2.37E-07	4.17E-08	2.96E-08	1.11E-06	5.87E-07	2.49E-07	2.93E-07	1.15E-07	5.87E-07	2.49E-07
3574	480863.09	3850377	1.48E-03	1.44E-03	1.42E-03	5.12E-07	1.55E-06	8.94E-07	8.73E-07	7.91E-07	3.61E-07	3.56E-07	1.71E-08	4.13E-07	9.11E-08	1.18E-07	1.88E-07	3.31E-08	2.35E-08	8.84E-07	4.67E-07	1.98E-07	2.33E-07	9.15E-08	4.67E-07	1.98E-07
3575	481363.09	3850377	1.02E-03	1.00E-03	9.86E-04	3.55E-07	1.07E-06	6.20E-07	6.05E-07	5.48E-07	2.50E-07	2.47E-07	1.18E-08	2.86E-07	6.31E-08	8.21E-08	1.30E-07	2.30E-08	1.63E-08	6.13E-07	3.23E-07	1.37E-07	1.61E-07	6.34E-08	3.23E-07	1.37E-07
3576	481863.09	3850377	8.77E-04	8.56E-04	8.44E-04	3.04E-07	9.17E-07	5.31E-07	5.18E-07	4.69E-07	2.14E-07	2.11E-07	1.01E-08	2.45E-07	5.40E-08	7.03E-08	1.12E-07	1.97E-08	1.39E-08	5.25E-07	2.77E-07	1.17E-07	1.38E-07	5.43E-08	2.77E-07	1.17E-07
3577	482363.09	3850377	7.56E-04	7.38E-04	7.28E-04	2.62E-07	7.91E-07	4.58E-07	4.47E-07	4.05E-07	1.85E-07	1.82E-07	8.74E-09	2.11E-07	4.66E-08	6.06E-08	9.62E-08	1.70E-08	1.20E-08	4.52E-07	2.39E-07	1.01E-07	1.19E-07	4.68E-08	2.39E-07	1.01E-07
3578	482863.09	3850377	6.02E-04	5.88E-04	5.80E-04	2.09E-07	6.30E-07	3.64E-07	3.56E-07	3.22E-07	1.47E-07	1.45E-07	6.96E-09	1.68E-07	3.71E-08	4.83E-08	7.66E-08	1.35E-08	9.58E-09	3.60E-07	1.90E-07	8.07E-08	9.49E-08	3.73E-08	1.90E-07	8.07E-08
3579	483363.09	3850377	5.15E-04	5.02E-04	4.96E-04	1.78E-07	5.38E-07	3.12E-07	3.04E-07	2.76E-07	1.26E-07	1.24E-07	5.95E-09	1.44E-07	3.17E-08	4.13E-08	6.55E-08	1.15E-08	8.18E-09	3.08E-07	1.62E-07	6.89E-08	8.11E-08	3.19E-08	1.62E-07	6.89E-08
3580	483863.09	3850377	5.02E-04	4.90E-04	4.83E-04	1.74E-07	5.25E-07	3.04E-07	2.96E-07	2.69E-07	1.23E-07	1.21E-07	5.80E-09	1.40E-07	3.09E-08	4.02E-08	6.38E-08	1.13E-08	7.98E-09	3.00E-07	1.58E-07	6.72E-08	7.91E-08	3.11E-08	1.58E-07	6.72E-08
3581	484363.09	3850377	5.08E-04	4.96E-04	4.89E-04	1.76E-07	5.31E-07	3.08E-07	3.00E-07	2.72E-07	1.24E-07	1.22E-07	5.87E-09	1.42E-07	3.13E-08	4.07E-08	6.46E-08	1.14E-08	8.08E-09	3.04E-07	1.60E-07	6.81E-08	8.01E-08	3.15E-08	1.60E-07	6.81E-08
3582	484863.09	3850377	5.14E-04	5.01E-04	4.95E-04	1.78E-07	5.37E-07	3.11E-07	3.03E-07	2.75E-07	1.25E-07	1.24E-07	5.94E-09	1.43E-07	3.16E-08	4.12E-08	6.53E-08	1.15E-08	8.16E-09	3.07E-07	1.62E-07	6.88E-08	8.09E-08	3.18E-08	1.62E-07	6.88E-08
3583	485363.09	3850377	4.85E-04	4.73E-04	4.67E-04	1.68E-07	5.07E-07	2.93E-07	2.86E-07	2.60E-07	1.18E-07	1.17E-07	5.61E-09	1.35E-07	2.99E-08	3.89E-08	6.17E-08	1.09E-08	7.71E-09	2.90E-07	1.53E-07	6.49E-08	7.64E-08	3.00E-08	1.53E-07	6.49E-08
3584	485863.09	3850377	4.45E-04	4.34E-04	4.29E-04	1.54E-07	4.65E-07	2.69E-07	2.63E-07	2.38E-07	1.09E-07	1.07E-07	5.15E-09	1.24E-07	2.74E-08	3.57E-08	5.66E-08	9.98E-09	7.08E-09	2.66E-07	1.41E-07	5.96E-08	7.01E-08	2.76E-08	1.41E-07	5.96E-08
3585	486363.09	3850377	4.23E-04	4.13E-04	4.07E-04	1.46E-07	4.42E-07	2.56E-07	2.50E-07	2.26E-07	1.03E-07	1.02E-07	4.89E-09	1.18E-07	2.61E-08	3.39E-08	5.38E-08	9.48E-09	6.73E-09	2.53E-07	1.34E-07	5.67E-08	6.67E-08	2.62E-08	1.34E-07	5.67E-08
3586	486863.09	3850377	4.03E-04	3.94E-04	3.88E-04	1.40E-07	4.21E-07	2.44E-07	2.38E-07	2.16E-07	9.85E-08	9.72E-08	4.66E-09	1.13E-07	2.48E-08	3.23E-08	5.13E-08	9.04E-09	6.41E-09	2.41E-07	1.27E-07	5.40E-08	6.35E-08	2.50E-08	1.27E-07	5.40E-08
3587	487363.09	3850377	3.79E-04	3.70E-04	3.65E-04	1.31E-07	3.96E-07	2.29E-07	2.24E-07	2.03E-07	9.25E-08	9.13E-08	4.38E-09	1.06E-07	2.33E-08	3.04E-08	4.82E-08	8.49E-09	6.02E-09	2.27E-07	1.20E-07	5.07E-08	5.97E-08	2.34E-08	1.20E-07	5.07E-08
3588	487863.09	3850377	3.63E-04	3.54E-04	3.49E-04	1.26E-07	3.79E-07	2.19E-07	2.14E-07	1.94E-07	8.86E-08	8.74E-08	4.19E-09	1.01E-07	2.23E-08	2.91E-08	4.61E-08	8.13E-09	5.76E-09	2.17E-07	1.14E-07	4.86E-08	5.71E-08	2.24E-08	1.14E-07	4.86E-08
3589	488363.09	3850377	3.46E-04	3.38E-04	3.33E-04	1.20E-07	3.62E-07	2.09E-07	2.04E-07	1.85E-07	8.45E-08	8.34E-08	4.00E-09	9.66E-08	2.13E-08	2.77E-08	4.40E-08	7.75E-09	5.50E-09	2.07E-07	1.09E-07	4.63E-08	5.45E-08	2.14E-08	1.09E-07	4.63E-08
3590	488863.09	3850377	3.32E-04	3.24E-04	3.20E-04	1.15E-07	3.47E-07	2.01E-07	1.96E-07	1.78E-07	8.11E-08	8.00E-08	3.84E-09	9.27E-08	2.04E-08	2.66E-08	4.22E-08	7.44E-09	5.28E-09	1.98E-07	1.05E-07	4.44E-08	5.23E-08	2.05E-08	1.05E-07	4.44E-08
3591	489363.09	3850377	3.17E-04	3.09E-04	3.05E-04	1.10E-07	3.31E-07	1.92E-07	1.87E-07	1.70E-07	7.74E-08	7.64E-08	3.66E-09	8.85E-08	1.95E-08	2.54E-08	4.03E-08	7.10E-09	5.04E-09	1.90E-07	1.00E-07	4.24E-08	4.99E-08	1.96E-08	1.00E-07	4.24E-08
3592	489863.09	3850377	2.99E-04	2.92E-04	2.88E-04	1.04E-07	3.13E-07	1.81E-07	1.77E-07	1.60E-07	7.31E-08	7.21E-08	3.46E-09	8.35E-08	1.84E-08	2.40E-08	3.80E-08	6.70E-09	4.75E-09	1.79E-07	9.44E-08	4.01E-08	4.71E-08	1.85E-08	9.44E-08	4.01E-08
3593	490363.09	3850377	2.84E-04	2.77E-04	2.73E-04	9.82E-08	2.97E-07	1.72E-07	1.68E-07	1.52E-07	6.93E-08	6.84E-08	3.28E-09	7.92E-08	1.75E-08	2.27E-08	3.61E-08	6.36E-09	4.51E-09	1.70E-07	8.96E-08	3.80E-08	4.47E-08	1.76E-08	8.96E-08	3.80E-08
3594	490863.09	3850377	2.71E-04	2.64E-04	2.61E-04	9.38E-08	2.83E-07	1.64E-07	1.60E-07	1.45E-07	6.62E-08	6.53E-08	3.13E-09	7.56E-08	1.67E-08	2.17E-08	3.45E-08	6.07E-09	4.31E-09	1.62E-07	8.55E-08	3.63E-08	4.27E-08	1.68E-08	8.55E-08	3.63E-08
3595	491363.09	3850377	2.58E-04	2.51E-04	2.48E-04	8.92E-08	2.69E-07	1.56E-07	1.52E-07	1.38E-07	6.29E-08	6.21E-08	2.98E-09	7.19E-08	1.59E-08	2.07E-08	3.28E-08	5.77E-09	4.10E-09	1.54E-07	8.13E-08	3.45E-08	4.06E-08	1.59E-08	8.13E-08	3.45E-08
3596	491863.09	3850377	2.40E-04	2.34E-04	2.31E-04	8.32E-08	2.51E-07	1.45E-07	1.42E-07	1.29E-07	5.87E-08	5.79E-08	2.78E-09	6.71E-08	1.48E-08	1.93E-08	3.05E-08	5.38E-09	3.82E-09	1.44E-07	7.58E-08	3.22E-08	3.78E-08	1.49E-08	7.58E-08	3.22E-08
3597	492363.09	3850377	2.24E-04	2.18E-04	2.15E-04	7.74E-08	2.34E-07	1.35E-07	1.32E-07	1.20E-07	5.46E-08	5.39E-08	2.58E-09	6.24E-08	1.38E-08	1.79E-08	2.84E-08	5.01E-09	3.55E-09	1.34E-07	7.06E-08	2.99E-08	3.52E-08	1.38E-08	7.06E-08	2.99E-08
3598	492863.09	3850377	2.12E-04	2.07E-04	2.05E-04	7.35E-08	2.22E-07	1.29E-07	1.25E-07	1.14E-07	5.19E-08	5.12E-08	2.46E-09	5.93E-08	1.31E-08	1.70E-08	2.70E-08	4.76E-09	3.38E-09	1.27E-07	6.70E-08	2.84E-08	3.35E-08	1.31E-08	6.70E-08	2.84E-08
3599	493363.09	3850377	1.99E-04	1.94E-04	1.92E-04	6.89E-08	2.08E-07	1.20E-07	1.18E-07	1.07E-07	4.86E-08	4.80E-08	2.30E-09	5.56E-08	1.23E-08	1.60E-08	2.53E-08	4.46E-09	3.17E-09	1.19E-07	6.29E-08	2.67E-08	3.14E-08	1.23E-08	6.29E-08	2.67E-08
3600	493863.09	3850377	2.02E-04	1.97E-04	1.94E-04	6.98E-08	2.11E-07	1.22E-07	1.19E-07	1.08E-07	4.92E-08	4.86E-08	2.33E-09	5.63E-08	1.24E-08	1.62E-08	2.56E-08	4.52E-09	3.20E-09	1.21E-07	6.36E-08	2.70E-08	3.18E-08	1.25E-08	6.36E-08	2.70E-08
3601	494363.09	3850377	2.01E-04	1.96E-04	1.94E-04	6.97E-08	2.10E-07	1.22E-07	1.19E-07	1.08E-07	4.91E-08	4.85E-08	2.33E-09	5.62E-08	1.24E-08	1.61E-08	2.56E-08	4.51E-09	3.20E-09	1.20E-07	6.35E-08	2.69E-08	3.17E-08	1.25E-08	6.35E-08	2.69E-08
3602	494863.09	3850377	2.06E-04	2.01E-04	1.99E-04	7.14E-08	2.16E-07	1.25E-07	1.22E-07	1.10E-07	5.04E-08	4.97E-08	2.38E-09	5.76E-08	1.27E-08	1.65E-08	2.62E-08	4.62E-09	3.28E-09	1.23E-07	6.51E-08	2.76E-08	3.25E-08	1.28E-08	6.51E-08	2.76E-08
3603	495363.09	3850377	2.12E-04	2.07E-04	2.04E-04	7.34E-08	2.22E-07	1.28E-07	1.25E-07	1.13E-07	5.18E-08	5.11E-08	2.45E-09	5.92E-08	1.31E-08	1.70E-08	2.70E-08	4.75E-09	3.37E-09	1.27E-07	6.69E-08	2.84E-08	3.34E-08	1.31E-08	6.69E-08	2.84E-08
3604	495863.09	3850377	2.02E-04	1.98E-04	1.95E-04	7.01E-08	2.12E-07	1.23E-07	1.20E-07	1.08E-07	4.94E-08	4.88E-08	2.34E-09	5.65E-08	1.25E-08	1.62E-08	2.57E-08	4.54E-09	3.22E-09	1.21E-07	6.39E-08	2.71E-08	3.19E-08	1.25E-08	6.39E-08	2.71E-08
3605	496363.09	3850377	2.08E-04	2.03E-04	2.00E-04	7.20E-08	2.17E-07	1.26E-07	1.23E-07	1.11E-07	5.08E-08	5.01E-08	2.40E-09	5.80E-08	1.28E-08	1.67E-08	2.64E-08	4.66E-09	3.30E-09	1.24E-07	6.56E-08	2.78E-08	3.27E-08	1.29E-08	6.56E-08	2.78E-08
3606	496863.09	3850377	2.12E-04	2.07E-04	2.05E-04	7.35E-08	2.22E-07	1.29E-07	1.25E-07	1.14E-07	5.19E-08	5.12E-08	2.46E-09	5.93E-08	1.31E-08	1.70E-08	2.70E-08	4.76E-09	3.38E-09	1.27E-07	6.70E-08	2.84E-08	3.35E-08	1.31E-08	6.70E-08	2.84E-08
3607	497363.09	3850377	2.12E-04	2.06E-04	2.04E-04	7.32E-08	2.21E-07	1.28E-07	1.25E-07	1.13E-07	5.17E-08	5.10E-08	2.45E-09	5.91E-08	1.30E-08	1.70E-08	2.69E-08	4.74E-09	3.36E-09	1.27E-07	6.68E-08	2.83E-08	3.33E-08	1.31E-08	6.68E-08	2.83E-08
3608	497863.09	3850377	2.07E-04	2.02E-04	1.99E-04	7.15E-08	2.16E-07	1.25E-07	1.22E-07	1.11E-07	5.05E-08	4.98E-08	2.39E-09	5.77E-08	1.27E-08	1.66E-08	2.63E-08	4.63E-09	3.28E-09	1.24E-07	6.52E-08	2.77E-08	3.25E-08	1.28E-08	6.52E-08	2.77E-08
3609	498363.09	3850377	2.02E-04	1.97E-04	1.95E-04	6.99E-08	2.11E-07	1.22E-07	1.19E-07	1.08E-07	4.93E-08	4.87E-08	2.34E-09	5.64E-08	1.24E-08	1.62E-08	2.57E-08	4.53E-09	3.21E-09	1.21E-07	6.38E-08	2.71E-08	3.18E-08	1.25E-08	6.38E-08	2.71E-08
3610	471363.09	3850877	1.66E-04	1.62E-04	1.60E-04	5.76E-08	1.74E-07	1.01E-07	9.82E-08	8.90E-08	4.06E-08	4.01E-08	1.92E-09	4.65E-08	1.03E-08	1.33E-08	2.12E-08	3.73E-09	2.64E-09	9.95E-08	5.25E-08	2.23E-08	2.62E-08	1.03E-08	5.25E-08	2.23E-08
3611	471863.09	3850877	1.85E-04	1.81E-04	1.78E-04	6.41E-08	1.93E-07	1.12E-07	1.09E-07	9.90E-08	4.52E-08	4.46E-08	2.14E-09	5.17E-08	1.14E-08	1.48E-08	2.35E-08	4.15E-09	2.94E-09	1.11E-07	5.84E-08	2.48E-08	2.91E-08	1.15E-08	5.84E-08	2.48E-08
3612	472363.09	3850877	2.11E-04	2.06E-04	2.03E-04	7.30E-08	2.20E-07	1.28E-07	1.24E-07	1.13E-07	5.15E-08	5.08E-08	2.44E-09	5.88E-08	1.30E-08	1.69E-08	2.68E-08	4.72E-09	3.35E-09	1.26E-07	6.65E-08	2.82E-08	3.32E-08	1.30E-08	6.65E-08	2.82E-08
3613	472863.09	3850877	2.37E-04	2.32E-04	2.28E-04	8.21E-08	2.48E-07	1.44E-07	1.40E-07	1.27E-07	5.80E-08	5.72E-08	2.74E-09	6.63E-08	1.46E-08	1.90E-08	3.02E-08	5.32E-09	3.77E-09	1.42E-07	7.49E-08	3.18E-08	3.74E-08	1.47E-08	7.49E-08	3.18E-08
3614	473363.09	3850877	2.44E-04	2.38E-04	2.34E-04	8.43E-08	2.55E-07	1.47E-07	1.44E-07	1.30E-07	5.95E-08	5.87E-08	2.82E-09	6.80E-08	1.50E-08	1.95E-08	3.10E-08	5.46E-09	3.87E-09	1.46E-07	7.69E-08	3.26E-08	3.84E-08	1.51E-08	7.69E-08	3.26E-08
3615	473863.09	3850877	2.77E-04	2.70E-04	2.66E-04	9.58E-08	2.89E-07	1.67E-07	1.63E-07	1.48E-07	6.76E-08	6.67E-08	3.20E-09	7.73E-08	1.70E-08	2.22E-08	3.52E-08	6.20E-09	4.40E-09	1.65E-07	8.73E-08	3.71E-08	4.36E-08	1.71E-08	8.73E-08	3.71E-08
3616	474363.09	3850877	3.05E-04	2.98E-04	2.94E-04	1.06E-07	3.19E-07	1.85E-07	1.80E-07	1.63E-07	7.45E-08	7.35E-08	3.52E-09	8.51E-08	1.88E-08	2.44E-08	3.88E-08	6.83E-09	4.85E-09	1.82E-07	9.62E-08	4.08E-08	4.80E-08	1.89E-08	9.62E-08	4.08E-08
3617	474863.09	3850877	3.33E-04	3.25E-04	3.21E-04	1.15E-07	3.48E-07	2.02E-07	1.97E-07	1.78E-07	8.14E-08	8.03E-08	3.85E-09	9.30E-08	2.05E-08	2.67E-08	4.24E-08	7.47E-09	5.30E-09	1.99E-07	1.05E-07	4.46E-08	5.25E-08	2.06E-08	1.05E-07	4.46E-08
3618	475363.09	3850877	3.64E-04	3.55E-04	3.51E-04	1.26E-07	3.81E-07	2.20E-07	2.15E-07	1.95E-07	8.90E-08	8.78E-08	4.21E-09	1.02E-07	2.24E-08	2.92E-08	4.63E-08	8.16E-09	5.79E-09	2.18E-07	1.15E-07	4.88E-08	5.74E-08	2.25E-08	1.15E-07	4.88E-08
3619	475863.09	3850877	4.02E-04	3.92E-04	3.87E-04	1.39E-07	4.20E-07	2.43E-07	2.37E-07	2.15E-07	9.82E-08	9.69E-08	4.65E-09	1.12E-07	2.48E-08	3.22E-08	5.11E-08	9.01E-09	6.39E-09	2.40E-07	1.27E-07	5.38E-08	6.33E-08	2.49E-08	1.27E-07	5.38E-08

3620	476363.09	3850877	4.51E-04	4.40E-04	4.34E-04	1.56E-07	4.71E-07	2.73E-07	2.66E-07	2.41E-07	1.10E-07	1.09E-07	5.21E-09	1.26E-07	2.78E-08	3.62E-08	5.74E-08	1.01E-08	7.17E-09	2.70E-07	1.42E-07	6.04E-08	7.10E-08	2.79E-08	1.42E-07	6.04E-08
3621	476863.09	3850877	5.06E-04	4.94E-04	4.87E-04	1.75E-07	5.29E-07	3.06E-07	2.99E-07	2.71E-07	1.24E-07	1.22E-07	5.85E-09	1.41E-07	3.12E-08	4.06E-08	6.44E-08	1.13E-08	8.05E-09	3.03E-07	1.60E-07	6.78E-08	7.97E-08	3.13E-08	1.60E-07	6.78E-08
3622	477363.09	3850877	5.85E-04	5.71E-04	5.64E-04	2.03E-07	6.12E-07	3.54E-07	3.46E-07	3.13E-07	1.43E-07	1.41E-07	6.77E-09	1.63E-07	3.61E-08	4.69E-08	7.44E-08	1.31E-08	9.30E-09	3.50E-07	1.85E-07	7.84E-08	9.22E-08	3.62E-08	1.85E-07	7.84E-08
3623	477863.09	3850877	7.06E-04	6.89E-04	6.79E-04	2.44E-07	7.38E-07	4.27E-07	4.17E-07	3.78E-07	1.72E-07	1.70E-07	8.16E-09	1.97E-07	4.35E-08	5.66E-08	8.97E-08	1.58E-08	1.12E-08	4.22E-07	2.23E-07	9.45E-08	1.11E-07	4.37E-08	2.23E-07	9.45E-08
3624	478363.09	3850877	9.23E-04	9.01E-04	8.89E-04	3.20E-07	9.65E-07	5.59E-07	5.45E-07	4.94E-07	2.25E-07	2.22E-07	1.07E-08	2.58E-07	5.69E-08	7.40E-08	1.17E-07	2.07E-08	1.47E-08	5.52E-07	2.91E-07	1.24E-07	1.45E-07	5.71E-08	2.91E-07	1.24E-07
3625	478863.09	3850877	1.36E-03	1.33E-03	1.31E-03	4.70E-07	1.42E-06	8.22E-07	8.02E-07	7.27E-07	3.32E-07	3.27E-07	1.57E-08	3.79E-07	8.37E-08	1.09E-07	1.73E-07	3.04E-08	2.16E-08	8.12E-07	4.29E-07	1.82E-07	2.14E-07	8.41E-08	4.29E-07	1.82E-07
3626	479363.09	3850877	3.01E-03	2.93E-03	2.89E-03	1.04E-06	3.14E-06	1.82E-06	1.77E-06	1.61E-06	7.34E-07	7.24E-07	3.48E-08	8.39E-07	1.85E-07	2.41E-07	3.82E-07	6.74E-08	4.78E-08	1.80E-06	9.49E-07	4.03E-07	4.74E-07	1.86E-07	9.49E-07	4.03E-07
3627	479863.09	3850877	2.27E-02	2.21E-02	2.18E-02	7.85E-06	2.37E-05	1.37E-05	1.34E-05	1.21E-05	5.54E-06	5.47E-06	2.62E-07	6.33E-06	1.40E-06	1.82E-06	2.88E-06	5.08E-07	3.61E-07	1.36E-05	7.16E-06	3.04E-06	3.57E-06	1.40E-06	7.16E-06	3.04E-06
3628	480363.09	3850877	4.99E-03	4.87E-03	4.80E-03	1.73E-06	5.21E-06	3.02E-06	2.94E-06	2.67E-06	1.22E-06	1.20E-06	5.76E-08	1.39E-06	3.07E-07	4.00E-07	6.34E-07	1.12E-07	7.93E-08	2.98E-06	1.57E-06	6.68E-07	7.86E-07	3.09E-07	1.57E-06	6.68E-07
3629	480863.09	3850877	2.74E-03	2.67E-03	2.64E-03	9.49E-07	2.87E-06	1.66E-06	1.62E-06	1.47E-06	6.69E-07	6.61E-07	3.17E-08	7.65E-07	1.69E-07	2.20E-07	3.49E-07	6.14E-08	4.36E-08	1.64E-06	8.65E-07	3.67E-07	4.32E-07	1.70E-07	8.65E-07	3.67E-07
3630	481363.09	3850877	1.86E-03	1.82E-03	1.79E-03	6.45E-07	1.95E-06	1.13E-06	1.10E-06	9.97E-07	4.55E-07	4.49E-07	2.15E-08	5.20E-07	1.15E-07	1.49E-07	2.37E-07	4.18E-08	2.96E-08	1.11E-06	5.88E-07	2.50E-07	2.94E-07	1.15E-07	5.88E-07	2.50E-07
3631	481863.09	3850877	1.34E-03	1.31E-03	1.29E-03	4.64E-07	1.40E-06	8.11E-07	7.91E-07	7.17E-07	3.27E-07	3.23E-07	1.55E-08	3.74E-07	8.26E-08	1.07E-07	1.70E-07	3.00E-08	2.13E-08	8.02E-07	4.23E-07	1.80E-07	2.11E-07	8.30E-08	4.23E-07	1.80E-07
3632	482363.09	3850877	9.88E-04	9.64E-04	9.51E-04	3.42E-07	1.03E-06	5.98E-07	5.83E-07	5.29E-07	2.41E-07	2.38E-07	1.14E-08	2.76E-07	6.09E-08	7.92E-08	1.26E-07	2.21E-08	1.57E-08	5.91E-07	3.12E-07	1.32E-07	1.56E-07	6.11E-08	3.12E-07	1.32E-07
3633	482863.09	3850877	7.99E-04	7.79E-04	7.69E-04	2.76E-07	8.35E-07	4.83E-07	4.72E-07	4.27E-07	1.95E-07	1.92E-07	9.23E-09	2.23E-07	4.92E-08	6.40E-08	1.02E-07	1.79E-08	1.27E-08	4.78E-07	2.52E-07	1.07E-07	1.26E-07	4.94E-08	2.52E-07	1.07E-07
3634	483363.09	3850877	6.55E-04	6.39E-04	6.31E-04	2.27E-07	6.85E-07	3.96E-07	3.87E-07	3.51E-07	1.60E-07	1.58E-07	7.57E-09	1.83E-07	4.04E-08	5.25E-08	8.33E-08	1.47E-08	1.04E-08	3.92E-07	2.07E-07	8.77E-08	1.03E-07	4.05E-08	2.07E-07	8.77E-08
3635	483863.09	3850877	5.97E-04	5.82E-04	5.74E-04	2.07E-07	6.24E-07	3.61E-07	3.52E-07	3.19E-07	1.46E-07	1.44E-07	6.90E-09	1.67E-07	3.68E-08	4.78E-08	7.59E-08	1.34E-08	9.48E-09	3.57E-07	1.88E-07	7.99E-08	9.40E-08	3.69E-08	1.88E-07	7.99E-08
3636	484363.09	3850877	5.87E-04	5.72E-04	5.65E-04	2.03E-07	6.13E-07	3.55E-07	3.46E-07	3.14E-07	1.43E-07	1.41E-07	6.78E-09	1.64E-07	3.61E-08	4.70E-08	7.46E-08	1.31E-08	9.32E-09	3.51E-07	1.85E-07	7.86E-08	9.24E-08	3.63E-08	1.85E-07	7.86E-08
3637	484863.09	3850877	5.48E-04	5.35E-04	5.28E-04	1.90E-07	5.73E-07	3.32E-07	3.24E-07	2.94E-07	1.34E-07	1.32E-07	6.34E-09	1.53E-07	3.38E-08	4.40E-08	6.97E-08	1.23E-08	8.72E-09	3.28E-07	1.73E-07	7.34E-08	8.64E-08	3.39E-08	1.73E-07	7.34E-08
3638	485363.09	3850877	5.23E-04	5.10E-04	5.03E-04	1.81E-07	5.46E-07	3.16E-07	3.09E-07	2.80E-07	1.28E-07	1.26E-07	6.04E-09	1.46E-07	3.22E-08	4.19E-08	6.65E-08	1.17E-08	8.31E-09	3.13E-07	1.65E-07	7.00E-08	8.24E-08	3.24E-08	1.65E-07	7.00E-08
3639	485863.09	3850877	4.71E-04	4.60E-04	4.54E-04	1.63E-07	4.93E-07	2.85E-07	2.78E-07	2.52E-07	1.15E-07	1.14E-07	5.45E-09	1.32E-07	2.90E-08	3.78E-08	5.99E-08	1.06E-08	7.49E-09	2.82E-07	1.49E-07	6.31E-08	7.42E-08	2.92E-08	1.49E-07	6.31E-08
3640	486363.09	3850877	4.54E-04	4.43E-04	4.37E-04	1.57E-07	4.75E-07	2.75E-07	2.68E-07	2.43E-07	1.11E-07	1.09E-07	5.25E-09	1.27E-07	2.80E-08	3.64E-08	5.78E-08	1.02E-08	7.22E-09	2.72E-07	1.43E-07	6.08E-08	7.16E-08	2.81E-08	1.43E-07	6.08E-08
3641	486863.09	3850877	4.29E-04	4.19E-04	4.13E-04	1.48E-07	4.48E-07	2.60E-07	2.53E-07	2.30E-07	1.05E-07	1.03E-07	4.96E-09	1.20E-07	2.64E-08	3.44E-08	5.46E-08	9.61E-09	6.82E-09	2.57E-07	1.35E-07	5.74E-08	6.76E-08	2.65E-08	1.35E-07	5.74E-08
3642	487363.09	3850877	4.01E-04	3.91E-04	3.86E-04	1.39E-07	4.19E-07	2.42E-07	2.37E-07	2.15E-07	9.79E-08	9.66E-08	4.63E-09	1.12E-07	2.47E-08	3.21E-08	5.10E-08	8.98E-09	6.37E-09	2.40E-07	1.26E-07	5.37E-08	6.31E-08	2.48E-08	1.26E-07	5.37E-08
3643	487863.09	3850877	3.81E-04	3.72E-04	3.67E-04	1.32E-07	3.98E-07	2.30E-07	2.25E-07	2.04E-07	9.30E-08	9.18E-08	4.40E-09	1.06E-07	2.35E-08	3.05E-08	4.84E-08	8.54E-09	6.05E-09	2.28E-07	1.20E-07	5.10E-08	6.00E-08	2.36E-08	1.20E-07	5.10E-08
3644	488363.09	3850877	3.64E-04	3.55E-04	3.50E-04	1.26E-07	3.80E-07	2.20E-07	2.15E-07	1.95E-07	8.89E-08	8.77E-08	4.21E-09	1.02E-07	2.24E-08	2.92E-08	4.63E-08	8.15E-09	5.78E-09	2.18E-07	1.15E-07	4.87E-08	5.73E-08	2.25E-08	1.15E-07	4.87E-08
3645	488863.09	3850877	3.46E-04	3.38E-04	3.33E-04	1.20E-07	3.62E-07	2.09E-07	2.04E-07	1.85E-07	8.45E-08	8.34E-08	4.00E-09	9.66E-08	2.13E-08	2.77E-08	4.40E-08	7.75E-09	5.50E-09	2.07E-07	1.09E-07	4.63E-08	5.45E-08	2.14E-08	1.09E-07	4.63E-08
3646	489363.09	3850877	3.31E-04	3.23E-04	3.19E-04	1.15E-07	3.46E-07	2.00E-07	1.95E-07	1.77E-07	8.09E-08	7.98E-08	3.83E-09	9.24E-08	2.04E-08	2.65E-08	4.21E-08	7.42E-09	5.26E-09	1.98E-07	1.04E-07	4.43E-08	5.22E-08	2.05E-08	1.04E-07	4.43E-08
3647	489863.09	3850877	3.14E-04	3.06E-04	3.02E-04	1.09E-07	3.28E-07	1.90E-07	1.85E-07	1.68E-07	7.67E-08	7.57E-08	3.63E-09	8.77E-08	1.94E-08	2.52E-08	3.99E-08	7.04E-09	4.99E-09	1.88E-07	9.91E-08	4.21E-08	4.95E-08	1.94E-08	9.91E-08	4.21E-08
3648	490363.09	3850877	3.00E-04	2.93E-04	2.89E-04	1.04E-07	3.14E-07	1.82E-07	1.77E-07	1.61E-07	7.34E-08	7.24E-08	3.47E-09	8.39E-08	1.85E-08	2.41E-08	3.82E-08	6.73E-09	4.77E-09	1.80E-07	9.48E-08	4.02E-08	4.73E-08	1.86E-08	9.48E-08	4.02E-08
3649	490863.09	3850877	2.87E-04	2.80E-04	2.76E-04	9.92E-08	3.00E-07	1.73E-07	1.69E-07	1.53E-07	7.00E-08	6.91E-08	3.31E-09	8.00E-08	1.77E-08	2.30E-08	3.65E-08	6.43E-09	4.56E-09	1.71E-07	9.05E-08	3.84E-08	4.52E-08	1.77E-08	9.05E-08	3.84E-08
3650	491363.09	3850877	2.71E-04	2.64E-04	2.60E-04	9.36E-08	2.83E-07	1.64E-07	1.60E-07	1.45E-07	6.61E-08	6.52E-08	3.13E-09	7.55E-08	1.67E-08	2.17E-08	3.44E-08	6.06E-09	4.30E-09	1.62E-07	8.54E-08	3.62E-08	4.26E-08	1.67E-08	8.54E-08	3.62E-08
3651	491863.09	3850877	2.54E-04	2.48E-04	2.44E-04	8.79E-08	2.65E-07	1.54E-07	1.50E-07	1.36E-07	6.20E-08	6.12E-08	2.93E-09	7.09E-08	1.56E-08	2.04E-08	3.23E-08	5.69E-09	4.04E-09	1.52E-07	8.01E-08	3.40E-08	4.00E-08	1.57E-08	8.01E-08	3.40E-08
3652	492363.09	3850877	2.39E-04	2.33E-04	2.30E-04	8.27E-08	2.50E-07	1.45E-07	1.41E-07	1.28E-07	5.84E-08	5.76E-08	2.76E-09	6.67E-08	1.47E-08	1.92E-08	3.04E-08	5.36E-09	3.80E-09	1.43E-07	7.54E-08	3.20E-08	3.76E-08	1.48E-08	7.54E-08	3.20E-08
3653	492863.09	3850877	2.28E-04	2.22E-04	2.19E-04	7.88E-08	2.38E-07	1.38E-07	1.34E-07	1.22E-07	5.56E-08	5.49E-08	2.63E-09	6.36E-08	1.40E-08	1.83E-08	2.90E-08	5.10E-09	3.62E-09	1.36E-07	7.19E-08	3.05E-08	3.59E-08	1.41E-08	7.19E-08	3.05E-08
3654	493363.09	3850877	2.20E-04	2.15E-04	2.12E-04	7.63E-08	2.30E-07	1.33E-07	1.30E-07	1.18E-07	5.38E-08	5.31E-08	2.55E-09	6.15E-08	1.36E-08	1.77E-08	2.80E-08	4.94E-09	3.50E-09	1.32E-07	6.95E-08	2.95E-08	3.47E-08	1.36E-08	6.95E-08	2.95E-08
3655	493863.09	3850877	2.22E-04	2.17E-04	2.14E-04	7.70E-08	2.32E-07	1.35E-07	1.31E-07	1.19E-07	5.43E-08	5.36E-08	2.57E-09	6.21E-08	1.37E-08	1.78E-08	2.83E-08	4.98E-09	3.53E-09	1.33E-07	7.02E-08	2.98E-08	3.50E-08	1.38E-08	7.02E-08	2.98E-08
3656	494363.09	3850877	2.19E-04	2.14E-04	2.11E-04	7.58E-08	2.29E-07	1.33E-07	1.29E-07	1.17E-07	5.35E-08	5.28E-08	2.53E-09	6.12E-08	1.35E-08	1.76E-08	2.79E-08	4.91E-09	3.48E-09	1.31E-07	6.91E-08	2.93E-08	3.45E-08	1.36E-08	6.91E-08	2.93E-08
3657	494863.09	3850877	2.22E-04	2.17E-04	2.14E-04	7.68E-08	2.32E-07	1.34E-07	1.31E-07	1.19E-07	5.42E-08	5.35E-08	2.57E-09	6.20E-08	1.37E-08	1.78E-08	2.82E-08	4.97E-09	3.53E-09	1.33E-07	7.01E-08	2.97E-08	3.50E-08	1.37E-08	7.01E-08	2.97E-08
3658	495363.09	3850877	2.26E-04	2.21E-04	2.18E-04	7.83E-08	2.36E-07	1.37E-07	1.34E-07	1.21E-07	5.52E-08	5.45E-08	2.61E-09	6.31E-08	1.39E-08	1.81E-08	2.88E-08	5.07E-09	3.59E-09	1.35E-07	7.14E-08	3.03E-08	3.56E-08	1.40E-08	7.14E-08	3.03E-08
3659	495863.09	3850877	2.22E-04	2.17E-04	2.14E-04	7.68E-08	2.32E-07	1.34E-07	1.31E-07	1.19E-07	5.42E-08	5.35E-08	2.57E-09	6.20E-08	1.37E-08	1.78E-08	2.82E-08	4.97E-09	3.53E-09	1.33E-07	7.01E-08	2.97E-08	3.50E-08	1.37E-08	7.01E-08	2.97E-08
3660	496363.09	3850877	2.21E-04	2.16E-04	2.13E-04	7.65E-08	2.31E-07	1.34E-07	1.31E-07	1.18E-07	5.40E-08	5.33E-08	2.56E-09	6.17E-08	1.36E-08	1.77E-08	2.81E-08	4.96E-09	3.51E-09	1.32E-07	6.98E-08	2.96E-08	3.48E-08	1.37E-08	6.98E-08	2.96E-08
3661	496863.09	3850877	2.24E-04	2.19E-04	2.16E-04	7.76E-08	2.34E-07	1.36E-07	1.32E-07	1.20E-07	5.47E-08	5.40E-08	2.59E-09	6.26E-08	1.38E-08	1.80E-08	2.85E-08	5.02E-09	3.56E-09	1.34E-07	7.07E-08	3.00E-08	3.53E-08	1.39E-08	7.07E-08	3.00E-08
3662	497363.09	3850877	2.19E-04	2.14E-04	2.11E-04	7.60E-08	2.29E-07	1.33E-07	1.30E-07	1.17E-07	5.36E-08	5.29E-08	2.54E-09	6.13E-08	1.35E-08	1.76E-08	2.79E-08	4.92E-09	3.49E-09	1.31E-07	6.93E-08	2.94E-08	3.46E-08	1.36E-08	6.93E-08	2.94E-08
3663	497863.09	3850877	2.13E-04	2.08E-04	2.05E-04	7.38E-08	2.23E-07	1.29E-07	1.26E-07	1.14E-07	5.21E-08	5.14E-08	2.47E-09	5.95E-08	1.31E-08	1.71E-08	2.71E-08	4.78E-09	3.39E-09	1.28E-07	6.73E-08	2.86E-08	3.36E-08	1.32E-08	6.73E-08	2.86E-08
3664	498363.09	3850877	2.07E-04	2.02E-04	1.99E-04	7.17E-08	2.16E-07	1.25E-07	1.22E-07	1.11E-07	5.06E-08	4.99E-08	2.39E-09	5.78E-08	1.28E-08	1.66E-08	2.63E-08	4.64E-09	3.29E-09	1.24E-07	6.53E-08	2.77E-08	3.26E-08	1.28E-08	6.53E-08	2.77E-08
3665	471363.09	3851377	1.62E-04	1.58E-04	1.56E-04	5.60E-08	1.69E-07	9.79E-08	9.55E-08	8.66E-08	3.95E-08	3.90E-08	1.87E-09	4.52E-08	9.97E-09	1.30E-08	2.06E-08	3.63E-09	2.57E-09	9.68E-08	5.11E-08	2.17E-08	2.55E-08	1.00E-08	5.11E-08	2.17E-08
3666	471863.09	3851377	1.88E-04	1.83E-04	1.81E-04	6.51E-08	1.96E-07	1.14E-07	1.11E-07	1.01E-07	4.59E-08	4.53E-08	2.17E-09	5.25E-08	1.16E-08	1.51E-08	2.39E-08	4.21E-09	2.99E-09	1.12E-07	5.93E-08	2.52E-08	2.96E-08	1.16E-08	5.93E-08	2.52E-08
3667	472363.09	3851377	1.94E-04	1.89E-04	1.87E-04	6.72E-08	2.03E-07	1.17E-07	1.15E-07	1.04E-07	4.74E-08	4.68E-08	2.24E-09	5.42E-08	1.20E-08	1.56E-08	2.47E-08	4.35E-09	3.09E-09	1.16E-07	6.13E-08	2.60E-08	3.06E-08	1.20E-08	6.13E-08	2.60E-08
3668	472863.09	3851377	2.02E-04	1.98E-04	1.95E-04	7.01E-08	2.12E-07	1.23E-07	1.20E-07	1.08E-07	4.94E-08	4.88E-08	2.34E-09	5.65E-08	1.25E-08	1.62E-08	2.57E-08	4.54E-09	3.22E-09	1.21E-07	6.39E-08	2.71E-08	3.19E-08	1.25E-08	6.39E-08	2.71E-08
3669	473363.09	3851377	1.95E-04	1.90E-04	1.88E-04	6.75E-08	2.04E-07	1.18E-07	1.15E-07	1.04E-07	4.76E-08	4.70E-08	2.25E-09	5.44E-08	1.20E-08	1.56E-08	2.48E-08	4.37E-09	3.10E-09	1.17E-07	6.15E-08	2.61E-08	3.07E-08	1.21E-08	6.15E-08	2.61E-08
3670	473863.09	3851377	2.09E-04	2.04E-04	2.01E-04	7.22E-08	2.18E-07	1.26E-07	1.23E-07	1.12E-07	5.10E-08	5.03E-08	2.41E-09	5.83E-08	1.29E-08	1.67E-08	2.65E-08	4.68E-09	3.32E-09	1.25E-07	6.59E-08	2.79E-08	3.29E-08	1.29E-08	6.59E-08	2.79E-08
3671	474363.09	3851377	2.49E-04	2.43E-04	2.39E-04	8.60E-08	2.60E-07	1.50E-07	1.47E-07	1.33E-07	6.07E-08	5.99E-08	2.87E-09	6.94E-08	1.53E-08	1.99E-08	3.16E-08	5.57E-09	3.95E-09	1.49E-07	7.84E-08	3.33E-08	3.91E-08	1.54E-08	7.84E-08	3.33E-08
3672	474863.09	3851377	2.83E-04	2.77E-04	2.73E-04	9.81E-08	2.96E-07	1.71E-07	1.67E-07	1.52E-07	6.92E-08	6.83E-08	3.28E-09	7.91E-08	1.75E-08	2.27E-08	3.60E-08	6.35E-09	4.50E-09	1.69E-07	8.94E-08	3.79E-08	4.46E-08	1.75E-08	8.94E-08	3.79E-08
3673	475363.09	3851377	3.11E-04	3.03E-04	2.99E-04	1.08E-07	3.25E-07	1.88E-07	1.83E-07	1.66E-07	7.59E-08	7.49E-08	3.59E-09	8.68E-08	1.91E-08	2.49E-08	3.95E-08	6.96E-09	4.94E-09	1.86E-07	9.81E-08	4.16E-08	4.90E-08	1.92E-08	9.81E-08	4.16E-08
3674	475863.09	3851377	3.37E-04	3.29E-04	3.24E-04	1.17E-07	3.52E-07	2.04E-07	1.99E-07	1.80E-07	8.23E-08	8.12E-08	3.89E-09	9.41E-08	2.08E-08	2.70E-08	4.28E-08	7.55E-09	5.35E-09	2.01E-07	1.06E-07	4.51E-08	5.31E-08	2.08E-08	1.06E-07	4.51E-08
3675	476363.09	3851377	3.69E-04	3.60E-04	3.55E-04	1.28E-07	3.85E-07	2.23E-07	2.18E-07	1.97E-07	9.01E-08	8.89E-08	4.26E-09	1.03E-07	2.27E-08	2.96E-08	4.69E-08	8.27E-09	5.86E-09	2.21E-07	1.16E-07	4.94E-08	5.81E-08	2.28E-08	1.16E-07	4.94E-08
3676	476863.09	3851377	4.05E-04	3.95E-04	3.89E-04	1.40E-07	4.23E-07	2.45E-07	2.39E-07	2.17E-07	9.88E-08	9.75E-08	4.68E-09	1.13E-07	2.49E-08	3.24E-08	5.14E-08	9.07E-09	6.43E-09	2.42E-07	1.28E-07	5.42E-08	6.37E-08	2.50E-08	1.28E-07	5.42E-08
3677	477363.09	3851377	4.45E-04	4.34E-04	4.29E-04	1.54E-07	4.65E-07	2.69E-07	2.63E-07	2.38E-07	1.09E-07	1.07E-07	5.15E-09	1.24E-07	2.74E-08	3.57E-08	5.66E-08	9.98E-09	7.08E-09	2.66E-07	1.41E-07	5.96E-08	7.01E-08	2.76E-08	1.41E-07	5.96E-08
3678	477863.09	3851377	5.03E-04	4.91E-04	4.85E-04	1.74E-07	5.26E-07	3.04E-07	2.97E-07	2.69E-07	1.23E-07	1.21E-07	5.82E-09	1.41E-07	3.10E-08	4.03E-08	6.40E-08	1.13E-08	8.00E-09	3.01E-07	1.59E-07	6.74E-08	7.93E-08	3.11E-08	1.59E-07	6.74E-08
3679	478363.09	3851377	5.83E-04	5.69E-04	5.62E-04	2.02E-07	6.10E-07	3.53E-07	3.44E-07	3.12E-07	1.42E-07	1.41E-07	6.74E-09	1.63E-07	3.59E-08	4.68E-08	7.42E-08	1.31E-08	9.27E-09	3.49E-07	1.84E-07	7.81E-08	9.19E-08	3.61E-08	1.84E-07	7.81E-08
3680	478863.09	3851377	7.05E-04	6.88E-04	6.79E-04	2.44E-07	7.37E-07	4.27E-07	4.16E-07	3.77E-07	1.72E-07	1.70E-07	8.15E-09	1.97E-07	4.35E-08	5.65E-08	8.97E-08	1.58E-08	1.12E-08	4.22E-07	2.23E-07	9.44E-08	1.11E-07	4.36E-08	2.23E-07	9.44E-08
3681	479363.09	3851377	9.11E-04	8.89E-04	8.77E-04	3.15E-07	9.52E-07	5.51E-07	5.38E-07	4.87E-07	2.22E-07	2.19E-07	1.05E-08	2.54E-07	5.61E-08	7.30E-08	1.16E-07	2.04E-08	1.45E-08	5.45E-07	2.87E-07	1.22E-07	1.43E-07	5.64E-08	2.87E-07	1.22E-07
3682	479863.09	3851377	1.34E-03	1.30E-03	1.29E-03	4.62E-07	1.40E-06	8.08E-07	7.88E-07	7.15E-07	3.26E-07	3.22E-07	1.54E-08	3.73E-07	8.23E-08	1.07E-07	1.70E-07	2.99E-08	2.12E-08	7.98E-07	4.21E-07	1.79E-07	2.10E-07	8.26E-08	4.21E-07	1.79E-07
3683	480363.09	3851377	2.90E-03	2.83E-03	2.79E-03	1.00E-06	3.03E-06	1.75E-06	1.71E-06	1.55E-06	7.08E-07	6.98E-07	3.35E-08	8.09E-07	1.78E-07	2.32E-07	3.68E-07	6.49E-08	4.60E-08	1.73E-06	9.14E-07	3.88E-07	4.56E-07	1.79E-07	9.14E-07	3.88E-07
3684	480863.09	3851377	2.56E-02	2.50E-02	2.47E-02	8.87E-06	2.68E-05	1.55E-05	1.51E-05	1.37E-05	6.25E-06	6.17E-06	2.96E-07	7.15E-06	1.58E-06	2.05E-06	3.26E-06	5.74E-07	4.07E-07	1.53E-05	8.08E-06	3.43E-06	4.03E-06	1.59E-06	8.08E-06	3.43E-06
3685	481363.09	3851377	4.67E-03	4.56E-03	4.49E-03	1.62E-06	4.88E-06	2.82E-06	2.76E-06	2.50E-06	1.14E-06	1.12E-06	5.40E-08	1.30E-06	2.88E-07	3.74E-07	5.94E-07	1.05E-07	7.42E-08	2.79E-06	1.47E-06	6.25E-07	7.35E-07	2.89E-07	1.47E-06	6.25E-07
3686	481863.09	3851377	2.26E-03	2.20E-03	2.17E-03	7.81E-07	2.36E-06	1.36E-06	1.33E-06	1.21E-06	5.51E-07	5.43E-07	2.61E-08	6.30E-07	1.39E-07	1.81E-07	2.87E-07	5.05E-08	3.58E-08	1.35E-06	7.12E-07	3.02E-07	3.55E-07	1.40E-07	7.12E-07	3.02E-07
3687	482363.09	3851377	1.47E-03	1.44E-03	1.42E-03	5.09E-07	1.54E-06	8.90E-07	8.69E-07	7.88E-07	3.59E-07	3.55E-07	1.70E-08	4.11E-07	9.07E-08	1.18E-07	1.87E-07	3.30E-08	2.34E-08	8.80E-07	4.64E-07	1.97E-07	2.32E-07	9.11E-08	4.64E-07	1.97E-07
3688	482863.09	3851377	1.02E-03	9.93E-04	9.80E-04	3.52E-07	1.06E-06	6.16E-07	6.01E-07	5.45E-07	2.49E-07	2.45E-07	1.18E-08	2.84E-07	6.27E-08	8.16E-08	1.29E-07	2.28E-08	1.62E-08	6.09E-07	3.21E-07	1.36E-07	1.60E-07	6.30E-08	3.21E-07	1.36E-07
3689	483363.09	3851377	7.79E-04	7.60E-04	7.50E-04	2.70E-07	8.14E-07	4.71E-07	4.60E-07	4.17E-07	1.90E-07	1.88E-07	9.01E-09	2.18E-07	4.80E-08	6.25E-08	9.91E-08	1.75E-08	1.24E-08	4.66E-07	2.46E-07	1.04E-07	1.23E-07	4.82E-08	2.46E-07	1.04E-07
3690	483863.09	3851377	6.66E-04	6.50E-04	6.41E-04	2.31E-07	6.96E-07	4.03E-07	3.93E-07	3.56E-07	1.63E-07	1.60E-07	7.70E-09	1.86E-07	4.10E-08	5.34E-08	8.47E-08	1.49E-08	1.06E-08	3.98E-07	2.10E-07	8.92E-08	1.05E-07	4.12E-08	2.10E-07	8.92E-08
3691	484363.09	3851377	6.62E-04	6.46E-04	6.37E-04	2.29E-07	6.92E-07	4.00E-07	3.91E-07	3.54E-07	1.62E-07	1.59E-07	7.65E-09	1.85E-07	4.08E-08	5.30E-08	8.42E-08	1.48E-08	1.05E-08	3.96E-07	2.09E-07	8.86E-08	1.04E-07	4.10E-08	2.09E-07	8.86E-08
3692	484863.09	3851377	5.51E-04	5.38E-04	5.30E-04	1.91E-07	5.76E-07	3.33E-07	3.25E-07	2.95E-07	1.35E-07	1.33E-07	6.37E-09	1.54E-07	3.39E-08	4.42E-08	7.01E-08	1.23E-08	8.76E-09	3.29E-07	1.74E-07	7.38E-08	8.68E-08	3.41E-08	1.74E-07	7.38E-08
3693	485363.09	3851377	5.63E-04	5.49E-04	5.42E-04	1.95E-07	5.88E-07	3.40E-07	3.32E-07	3.01E-07	1.37E-07	1.36E-07	6.50E-09	1.57E-07	3.47E-08	4.51E-08	7.15E-08	1.26E-08	8.94E-09	3.36E-07	1.78E-07	7.53E-08	8.86E-08	3.48E-08	1.78E-07	7.53E-08

3694	485863.09	3851377	5.00E-04	4.88E-04	4.81E-04	1.73E-07	5.23E-07	3.02E-07	2.95E-07	2.68E-07	1.22E-07	1.20E-07	5.78E-09	1.40E-07	3.08E-08	4.01E-08	6.36E-08	1.12E-08	7.95E-09	2.99E-07	1.58E-07	6.69E-08	7.88E-08	3.09E-08	1.58E-07	6.69E-08
3695	486363.09	3851377	4.84E-04	4.72E-04	4.66E-04	1.68E-07	5.06E-07	2.93E-07	2.86E-07	2.59E-07	1.18E-07	1.17E-07	5.60E-09	1.35E-07	2.98E-08	3.88E-08	6.16E-08	1.09E-08	7.70E-09	2.90E-07	1.53E-07	6.48E-08	7.63E-08	3.00E-08	1.53E-07	6.48E-08
3696	486863.09	3851377	4.51E-04	4.40E-04	4.34E-04	1.56E-07	4.71E-07	2.73E-07	2.66E-07	2.41E-07	1.10E-07	1.09E-07	5.21E-09	1.26E-07	2.78E-08	3.61E-08	5.73E-08	1.01E-08	7.16E-09	2.69E-07	1.42E-07	6.03E-08	7.10E-08	2.79E-08	1.42E-07	6.03E-08
3697	487363.09	3851377	4.05E-04	3.96E-04	3.90E-04	1.40E-07	4.24E-07	2.45E-07	2.39E-07	2.17E-07	9.90E-08	9.77E-08	4.69E-09	1.13E-07	2.50E-08	3.25E-08	5.15E-08	9.08E-09	6.44E-09	2.42E-07	1.28E-07	5.43E-08	6.39E-08	2.51E-08	1.28E-07	5.43E-08
3698	487863.09	3851377	3.96E-04	3.86E-04	3.81E-04	1.37E-07	4.14E-07	2.39E-07	2.34E-07	2.12E-07	9.67E-08	9.54E-08	4.58E-09	1.11E-07	2.44E-08	3.17E-08	5.03E-08	8.87E-09	6.29E-09	2.37E-07	1.25E-07	5.30E-08	6.24E-08	2.45E-08	1.25E-07	5.30E-08
3699	488363.09	3851377	3.79E-04	3.70E-04	3.65E-04	1.31E-07	3.96E-07	2.29E-07	2.24E-07	2.03E-07	9.25E-08	9.13E-08	4.38E-09	1.06E-07	2.33E-08	3.04E-08	4.82E-08	8.49E-09	6.02E-09	2.27E-07	1.20E-07	5.07E-08	5.97E-08	2.34E-08	1.20E-07	5.07E-08
3700	488863.09	3851377	3.60E-04	3.51E-04	3.47E-04	1.25E-07	3.76E-07	2.18E-07	2.13E-07	1.93E-07	8.79E-08	8.68E-08	4.16E-09	1.01E-07	2.22E-08	2.89E-08	4.58E-08	8.07E-09	5.72E-09	2.15E-07	1.14E-07	4.82E-08	5.67E-08	2.23E-08	1.14E-07	4.82E-08
3701	489363.09	3851377	3.44E-04	3.35E-04	3.31E-04	1.19E-07	3.59E-07	2.08E-07	2.03E-07	1.84E-07	8.39E-08	8.28E-08	3.97E-09	9.59E-08	2.12E-08	2.75E-08	4.37E-08	7.70E-09	5.46E-09	2.05E-07	1.08E-07	4.60E-08	5.41E-08	2.13E-08	1.08E-07	4.60E-08
3702	489863.09	3851377	3.26E-04	3.18E-04	3.14E-04	1.13E-07	3.41E-07	1.97E-07	1.93E-07	1.75E-07	7.96E-08	7.86E-08	3.77E-09	9.11E-08	2.01E-08	2.61E-08	4.15E-08	7.31E-09	5.18E-09	1.95E-07	1.03E-07	4.37E-08	5.14E-08	2.02E-08	1.03E-07	4.37E-08
3703	490363.09	3851377	3.11E-04	3.04E-04	3.00E-04	1.08E-07	3.25E-07	1.88E-07	1.84E-07	1.67E-07	7.60E-08	7.50E-08	3.60E-09	8.69E-08	1.92E-08	2.49E-08	3.96E-08	6.97E-09	4.95E-09	1.86E-07	9.82E-08	4.17E-08	4.90E-08	1.93E-08	9.82E-08	4.17E-08
3704	490863.09	3851377	2.96E-04	2.89E-04	2.85E-04	1.03E-07	3.10E-07	1.79E-07	1.75E-07	1.59E-07	7.23E-08	7.14E-08	3.42E-09	8.27E-08	1.83E-08	2.37E-08	3.77E-08	6.64E-09	4.71E-09	1.77E-07	9.35E-08	3.97E-08	4.67E-08	1.83E-08	9.35E-08	3.97E-08
3705	491363.09	3851377	2.80E-04	2.73E-04	2.70E-04	9.69E-08	2.93E-07	1.69E-07	1.65E-07	1.50E-07	6.84E-08	6.75E-08	3.24E-09	7.82E-08	1.73E-08	2.24E-08	3.56E-08	6.28E-09	4.45E-09	1.67E-07	8.84E-08	3.75E-08	4.41E-08	1.73E-08	8.84E-08	3.75E-08
3706	491863.09	3851377	2.66E-04	2.59E-04	2.56E-04	9.19E-08	2.78E-07	1.61E-07	1.57E-07	1.42E-07	6.48E-08	6.40E-08	3.07E-09	7.41E-08	1.64E-08	2.13E-08	3.38E-08	5.95E-09	4.22E-09	1.59E-07	8.38E-08	3.56E-08	4.18E-08	1.64E-08	8.38E-08	3.56E-08
3707	492363.09	3851377	2.54E-04	2.48E-04	2.45E-04	8.80E-08	2.66E-07	1.54E-07	1.50E-07	1.36E-07	6.21E-08	6.13E-08	2.94E-09	7.10E-08	1.57E-08	2.04E-08	3.23E-08	5.70E-09	4.04E-09	1.52E-07	8.03E-08	3.41E-08	4.01E-08	1.57E-08	8.03E-08	3.41E-08
3708	492863.09	3851377	2.42E-04	2.36E-04	2.33E-04	8.37E-08	2.53E-07	1.46E-07	1.43E-07	1.29E-07	5.91E-08	5.83E-08	2.80E-09	6.75E-08	1.49E-08	1.94E-08	3.08E-08	5.42E-09	3.84E-09	1.45E-07	7.63E-08	3.24E-08	3.81E-08	1.50E-08	7.63E-08	3.24E-08
3709	493363.09	3851377	2.22E-04	2.17E-04	2.14E-04	7.68E-08	2.32E-07	1.34E-07	1.31E-07	1.19E-07	5.42E-08	5.35E-08	2.57E-09	6.20E-08	1.37E-08	1.78E-08	2.82E-08	4.97E-09	3.53E-09	1.33E-07	7.01E-08	2.97E-08	3.50E-08	1.37E-08	7.01E-08	2.97E-08
3710	493863.09	3851377	2.24E-04	2.19E-04	2.16E-04	7.76E-08	2.34E-07	1.36E-07	1.32E-07	1.20E-07	5.47E-08	5.40E-08	2.59E-09	6.26E-08	1.38E-08	1.80E-08	2.85E-08	5.02E-09	3.56E-09	1.34E-07	7.07E-08	3.00E-08	3.53E-08	1.39E-08	7.07E-08	3.00E-08
3711	494363.09	3851377	2.35E-04	2.30E-04	2.26E-04	8.14E-08	2.46E-07	1.42E-07	1.39E-07	1.26E-07	5.74E-08	5.67E-08	2.72E-09	6.57E-08	1.45E-08	1.89E-08	2.99E-08	5.27E-09	3.74E-09	1.41E-07	7.42E-08	3.15E-08	3.71E-08	1.46E-08	7.42E-08	3.15E-08
3712	494863.09	3851377	2.32E-04	2.27E-04	2.24E-04	8.04E-08	2.43E-07	1.41E-07	1.37E-07	1.24E-07	5.67E-08	5.60E-08	2.69E-09	6.49E-08	1.43E-08	1.86E-08	2.95E-08	5.21E-09	3.69E-09	1.39E-07	7.33E-08	3.11E-08	3.66E-08	1.44E-08	7.33E-08	3.11E-08
3713	495363.09	3851377	2.41E-04	2.36E-04	2.32E-04	8.36E-08	2.52E-07	1.46E-07	1.43E-07	1.29E-07	5.90E-08	5.82E-08	2.79E-09	6.74E-08	1.49E-08	1.94E-08	3.07E-08	5.41E-09	3.84E-09	1.44E-07	7.62E-08	3.23E-08	3.80E-08	1.49E-08	7.62E-08	3.23E-08
3714	495863.09	3851377	2.40E-04	2.34E-04	2.31E-04	8.30E-08	2.51E-07	1.45E-07	1.42E-07	1.28E-07	5.86E-08	5.78E-08	2.77E-09	6.70E-08	1.48E-08	1.92E-08	3.05E-08	5.37E-09	3.81E-09	1.43E-07	7.57E-08	3.21E-08	3.78E-08	1.48E-08	7.57E-08	3.21E-08
3715	496363.09	3851377	2.36E-04	2.31E-04	2.28E-04	8.19E-08	2.47E-07	1.43E-07	1.40E-07	1.27E-07	5.78E-08	5.70E-08	2.73E-09	6.60E-08	1.46E-08	1.90E-08	3.01E-08	5.30E-09	3.76E-09	1.41E-07	7.46E-08	3.17E-08	3.73E-08	1.46E-08	7.46E-08	3.17E-08
3716	496863.09	3851377	2.32E-04	2.26E-04	2.23E-04	8.03E-08	2.42E-07	1.40E-07	1.37E-07	1.24E-07	5.66E-08	5.59E-08	2.68E-09	6.48E-08	1.43E-08	1.86E-08	2.95E-08	5.20E-09	3.69E-09	1.39E-07	7.32E-08	3.11E-08	3.65E-08	1.44E-08	7.32E-08	3.11E-08
3717	497363.09	3851377	2.27E-04	2.21E-04	2.19E-04	7.86E-08	2.37E-07	1.37E-07	1.34E-07	1.21E-07	5.54E-08	5.47E-08	2.62E-09	6.34E-08	1.40E-08	1.82E-08	2.89E-08	5.09E-09	3.61E-09	1.36E-07	7.16E-08	3.04E-08	3.58E-08	1.40E-08	7.16E-08	3.04E-08
3718	497863.09	3851377	2.21E-04	2.16E-04	2.13E-04	7.65E-08	2.31E-07	1.34E-07	1.31E-07	1.18E-07	5.40E-08	5.33E-08	2.56E-09	6.17E-08	1.36E-08	1.77E-08	2.81E-08	4.96E-09	3.51E-09	1.32E-07	6.98E-08	2.96E-08	3.48E-08	1.37E-08	6.98E-08	2.96E-08
3719	498363.09	3851377	2.11E-04	2.06E-04	2.03E-04	7.31E-08	2.21E-07	1.28E-07	1.25E-07	1.13E-07	5.16E-08	5.09E-08	2.44E-09	5.90E-08	1.30E-08	1.69E-08	2.69E-08	4.73E-09	3.36E-09	1.26E-07	6.66E-08	2.83E-08	3.33E-08	1.31E-08	6.66E-08	2.83E-08
3720	471363.09	3851877	1.58E-04	1.54E-04	1.52E-04	5.47E-08	1.65E-07	9.56E-08	9.33E-08	8.46E-08	3.86E-08	3.81E-08	1.83E-09	4.41E-08	9.74E-09	1.27E-08	2.01E-08	3.54E-09	2.51E-09	9.45E-08	4.99E-08	2.12E-08	2.49E-08	9.78E-09	4.99E-08	2.12E-08
3721	471863.09	3851877	1.59E-04	1.55E-04	1.53E-04	5.51E-08	1.67E-07	9.64E-08	9.41E-08	8.53E-08	3.89E-08	3.84E-08	1.84E-09	4.45E-08	9.82E-09	1.28E-08	2.03E-08	3.57E-09	2.53E-09	9.53E-08	5.03E-08	2.13E-08	2.51E-08	9.86E-09	5.03E-08	2.13E-08
3722	472363.09	3851877	1.74E-04	1.70E-04	1.67E-04	6.02E-08	1.82E-07	1.05E-07	1.03E-07	9.30E-08	4.25E-08	4.19E-08	2.01E-09	4.85E-08	1.07E-08	1.39E-08	2.21E-08	3.90E-09	2.76E-09	1.04E-07	5.49E-08	2.33E-08	2.74E-08	1.08E-08	5.49E-08	2.33E-08
3723	472863.09	3851877	1.87E-04	1.83E-04	1.80E-04	6.48E-08	1.96E-07	1.13E-07	1.10E-07	1.00E-07	4.57E-08	4.51E-08	2.16E-09	5.22E-08	1.15E-08	1.50E-08	2.38E-08	4.19E-09	2.97E-09	1.12E-07	5.91E-08	2.51E-08	2.95E-08	1.16E-08	5.91E-08	2.51E-08
3724	473363.09	3851877	1.82E-04	1.78E-04	1.75E-04	6.30E-08	1.90E-07	1.10E-07	1.08E-07	9.75E-08	4.45E-08	4.39E-08	2.11E-09	5.09E-08	1.12E-08	1.46E-08	2.32E-08	4.08E-09	2.90E-09	1.09E-07	5.75E-08	2.44E-08	2.87E-08	1.13E-08	5.75E-08	2.44E-08
3725	473863.09	3851877	1.87E-04	1.82E-04	1.80E-04	6.46E-08	1.95E-07	1.13E-07	1.10E-07	9.99E-08	4.56E-08	4.50E-08	2.16E-09	5.21E-08	1.15E-08	1.50E-08	2.37E-08	4.18E-09	2.97E-09	1.12E-07	5.89E-08	2.50E-08	2.94E-08	1.16E-08	5.89E-08	2.50E-08
3726	474363.09	3851877	2.12E-04	2.06E-04	2.04E-04	7.32E-08	2.21E-07	1.28E-07	1.25E-07	1.13E-07	5.17E-08	5.10E-08	2.45E-09	5.91E-08	1.30E-08	1.70E-08	2.69E-08	4.74E-09	3.36E-09	1.27E-07	6.68E-08	2.83E-08	3.33E-08	1.31E-08	6.68E-08	2.83E-08
3727	474863.09	3851877	2.41E-04	2.35E-04	2.32E-04	8.33E-08	2.52E-07	1.46E-07	1.42E-07	1.29E-07	5.88E-08	5.80E-08	2.78E-09	6.72E-08	1.48E-08	1.93E-08	3.06E-08	5.39E-09	3.82E-09	1.44E-07	7.59E-08	3.22E-08	3.79E-08	1.49E-08	7.59E-08	3.22E-08
3728	475363.09	3851877	2.63E-04	2.57E-04	2.53E-04	9.11E-08	2.75E-07	1.59E-07	1.55E-07	1.41E-07	6.42E-08	6.34E-08	3.04E-09	7.34E-08	1.62E-08	2.11E-08	3.34E-08	5.90E-09	4.18E-09	1.57E-07	8.30E-08	3.52E-08	4.14E-08	1.63E-08	8.30E-08	3.52E-08
3729	475863.09	3851877	2.86E-04	2.79E-04	2.75E-04	9.90E-08	2.99E-07	1.73E-07	1.69E-07	1.53E-07	6.98E-08	6.89E-08	3.30E-09	7.98E-08	1.76E-08	2.29E-08	3.64E-08	6.41E-09	4.54E-09	1.71E-07	9.02E-08	3.83E-08	4.50E-08	1.77E-08	9.02E-08	3.83E-08
3730	476363.09	3851877	2.99E-04	2.91E-04	2.88E-04	1.03E-07	3.12E-07	1.81E-07	1.76E-07	1.60E-07	7.30E-08	7.20E-08	3.45E-09	8.34E-08	1.84E-08	2.39E-08	3.80E-08	6.69E-09	4.75E-09	1.79E-07	9.43E-08	4.00E-08	4.71E-08	1.85E-08	9.43E-08	4.00E-08
3731	476863.09	3851877	3.30E-04	3.22E-04	3.18E-04	1.14E-07	3.45E-07	2.00E-07	1.95E-07	1.77E-07	8.06E-08	7.95E-08	3.81E-09	9.21E-08	2.03E-08	2.64E-08	4.19E-08	7.39E-09	5.24E-09	1.97E-07	1.04E-07	4.42E-08	5.20E-08	2.04E-08	1.04E-07	4.42E-08
3732	477363.09	3851877	3.62E-04	3.53E-04	3.48E-04	1.25E-07	3.78E-07	2.19E-07	2.14E-07	1.94E-07	8.84E-08	8.72E-08	4.18E-09	1.01E-07	2.23E-08	2.90E-08	4.60E-08	8.11E-09	5.75E-09	2.16E-07	1.14E-07	4.84E-08	5.70E-08	2.24E-08	1.14E-07	4.84E-08
3733	477863.09	3851877	3.97E-04	3.87E-04	3.82E-04	1.37E-07	4.15E-07	2.40E-07	2.34E-07	2.12E-07	9.69E-08	9.56E-08	4.58E-09	1.11E-07	2.44E-08	3.18E-08	5.04E-08	8.89E-09	6.30E-09	2.37E-07	1.25E-07	5.31E-08	6.25E-08	2.45E-08	1.25E-07	5.31E-08
3734	478363.09	3851877	4.32E-04	4.22E-04	4.16E-04	1.50E-07	4.52E-07	2.62E-07	2.55E-07	2.31E-07	1.06E-07	1.04E-07	5.00E-09	1.21E-07	2.66E-08	3.47E-08	5.50E-08	9.69E-09	6.87E-09	2.59E-07	1.36E-07	5.79E-08	6.81E-08	2.68E-08	1.36E-07	5.79E-08
3735	478863.09	3851877	4.97E-04	4.85E-04	4.79E-04	1.72E-07	5.20E-07	3.01E-07	2.94E-07	2.66E-07	1.21E-07	1.20E-07	5.75E-09	1.39E-07	3.06E-08	3.99E-08	6.33E-08	1.11E-08	7.91E-09	2.97E-07	1.57E-07	6.66E-08	7.84E-08	3.08E-08	1.57E-07	6.66E-08
3736	479363.09	3851877	5.87E-04	5.73E-04	5.65E-04	2.03E-07	6.14E-07	3.55E-07	3.47E-07	3.14E-07	1.43E-07	1.41E-07	6.79E-09	1.64E-07	3.62E-08	4.71E-08	7.47E-08	1.32E-08	9.33E-09	3.51E-07	1.85E-07	7.86E-08	9.25E-08	3.63E-08	1.85E-07	7.86E-08
3737	479863.09	3851877	7.13E-04	6.96E-04	6.86E-04	2.47E-07	7.45E-07	4.31E-07	4.21E-07	3.81E-07	1.74E-07	1.72E-07	8.24E-09	1.99E-07	4.39E-08	5.71E-08	9.06E-08	1.60E-08	1.13E-08	4.26E-07	2.25E-07	9.54E-08	1.12E-07	4.41E-08	2.25E-07	9.54E-08
3738	480363.09	3851877	9.30E-04	9.08E-04	8.96E-04	3.22E-07	9.72E-07	5.63E-07	5.49E-07	4.98E-07	2.27E-07	2.24E-07	1.08E-08	2.60E-07	5.73E-08	7.46E-08	1.18E-07	2.08E-08	1.48E-08	5.56E-07	2.94E-07	1.25E-07	1.47E-07	5.76E-08	2.94E-07	1.25E-07
3739	480863.09	3851877	1.45E-03	1.41E-03	1.40E-03	5.02E-07	1.51E-06	8.77E-07	8.56E-07	7.76E-07	3.54E-07	3.49E-07	1.68E-08	4.05E-07	8.93E-08	1.16E-07	1.84E-07	3.25E-08	2.30E-08	8.67E-07	4.57E-07	1.94E-07	2.28E-07	8.97E-08	4.57E-07	1.94E-07
3740	481363.09	3851877	6.52E-03	6.36E-03	6.28E-03	2.26E-06	6.82E-06	3.95E-06	3.85E-06	3.49E-06	1.59E-06	1.57E-06	7.54E-08	1.82E-06	4.02E-07	5.23E-07	8.29E-07	1.46E-07	1.04E-07	3.90E-06	2.06E-06	8.73E-07	1.03E-06	4.04E-07	2.06E-06	8.73E-07
3741	481863.09	3851877	4.49E-03	4.38E-03	4.32E-03	1.55E-06	4.69E-06	2.72E-06	2.65E-06	2.40E-06	1.10E-06	1.08E-06	5.19E-08	1.25E-06	2.77E-07	3.60E-07	5.71E-07	1.01E-07	7.14E-08	2.69E-06	1.42E-06	6.01E-07	7.07E-07	2.78E-07	1.42E-06	6.01E-07
3742	482363.09	3851877	1.79E-03	1.74E-03	1.72E-03	6.19E-07	1.87E-06	1.08E-06	1.06E-06	9.57E-07	4.37E-07	4.31E-07	2.07E-08	4.99E-07	1.10E-07	1.43E-07	2.27E-07	4.01E-08	2.84E-08	1.07E-06	5.64E-07	2.39E-07	2.82E-07	1.11E-07	5.64E-07	2.39E-07
3743	482863.09	3851877	1.11E-03	1.08E-03	1.07E-03	3.84E-07	1.16E-06	6.71E-07	6.55E-07	5.93E-07	2.71E-07	2.67E-07	1.28E-08	3.10E-07	6.83E-08	8.89E-08	1.41E-07	2.48E-08	1.76E-08	6.63E-07	3.50E-07	1.48E-07	1.75E-07	6.86E-08	3.50E-07	1.48E-07
3744	483363.09	3851877	9.26E-04	9.04E-04	8.92E-04	3.21E-07	9.68E-07	5.60E-07	5.47E-07	4.96E-07	2.26E-07	2.23E-07	1.07E-08	2.59E-07	5.71E-08	7.42E-08	1.18E-07	2.08E-08	1.47E-08	5.54E-07	2.92E-07	1.24E-07	1.46E-07	5.73E-08	2.92E-07	1.24E-07
3745	483863.09	3851877	7.78E-04	7.59E-04	7.49E-04	2.69E-07	8.13E-07	4.71E-07	4.59E-07	4.16E-07	1.90E-07	1.87E-07	8.99E-09	2.17E-07	4.79E-08	6.24E-08	9.89E-08	1.74E-08	1.24E-08	4.65E-07	2.46E-07	1.04E-07	1.23E-07	4.81E-08	2.46E-07	1.04E-07
3746	484363.09	3851877	7.25E-04	7.07E-04	6.98E-04	2.51E-07	7.58E-07	4.39E-07	4.28E-07	3.88E-07	1.77E-07	1.75E-07	8.38E-09	2.02E-07	4.47E-08	5.81E-08	9.22E-08	1.62E-08	1.15E-08	4.33E-07	2.29E-07	9.71E-08	1.14E-07	4.49E-08	2.29E-07	9.71E-08
3747	484863.09	3851877	6.38E-04	6.22E-04	6.14E-04	2.21E-07	6.66E-07	3.86E-07	3.77E-07	3.41E-07	1.56E-07	1.54E-07	7.37E-09	1.78E-07	3.93E-08	5.11E-08	8.11E-08	1.43E-08	1.01E-08	3.81E-07	2.01E-07	8.54E-08	1.00E-07	3.95E-08	2.01E-07	8.54E-08
3748	485363.09	3851877	5.93E-04	5.79E-04	5.71E-04	2.05E-07	6.20E-07	3.59E-07	3.50E-07	3.18E-07	1.45E-07	1.43E-07	6.86E-09	1.66E-07	3.66E-08	4.76E-08	7.54E-08	1.33E-08	9.43E-09	3.55E-07	1.87E-07	7.94E-08	9.35E-08	3.67E-08	1.87E-07	7.94E-08
3749	485863.09	3851877	5.53E-04	5.40E-04	5.33E-04	1.92E-07	5.78E-07	3.35E-07	3.27E-07	2.96E-07	1.35E-07	1.33E-07	6.40E-09	1.55E-07	3.41E-08	4.44E-08	7.04E-08	1.24E-08	8.80E-09	3.31E-07	1.75E-07	7.41E-08	8.72E-08	3.43E-08	1.75E-07	7.41E-08
3750	486363.09	3851877	4.97E-04	4.85E-04	4.79E-04	1.72E-07	5.20E-07	3.01E-07	2.94E-07	2.66E-07	1.21E-07	1.20E-07	5.75E-09	1.39E-07	3.06E-08	3.99E-08	6.33E-08	1.11E-08	7.91E-09	2.97E-07	1.57E-07	6.66E-08	7.84E-08	3.08E-08	1.57E-07	6.66E-08
3751	486863.09	3851877	4.65E-04	4.54E-04	4.48E-04	1.61E-07	4.87E-07	2.82E-07	2.75E-07	2.49E-07	1.14E-07	1.12E-07	5.38E-09	1.30E-07	2.87E-08	3.73E-08	5.92E-08	1.04E-08	7.40E-09	2.78E-07	1.47E-07	6.23E-08	7.33E-08	2.88E-08	1.47E-07	6.23E-08
3752	487363.09	3851877	4.37E-04	4.27E-04	4.21E-04	1.51E-07	4.57E-07	2.65E-07	2.58E-07	2.34E-07	1.07E-07	1.05E-07	5.05E-09	1.22E-07	2.69E-08	3.51E-08	5.56E-08	9.80E-09	6.95E-09	2.62E-07	1.38E-07	5.86E-08	6.89E-08	2.71E-08	1.38E-07	5.86E-08
3753	487863.09	3851877	3.96E-04	3.87E-04	3.81E-04	1.37E-07	4.14E-07	2.40E-07	2.34E-07	2.12E-07	9.68E-08	9.55E-08	4.58E-09	1.11E-07	2.44E-08	3.18E-08	5.04E-08	8.88E-09	6.30E-09	2.37E-07	1.25E-07	5.31E-08	6.24E-08	2.45E-08	1.25E-07	5.31E-08
3754	488363.09	3851877	3.78E-04	3.68E-04	3.64E-04	1.31E-07	3.95E-07	2.28E-07	2.23E-07	2.02E-07	9.22E-08	9.10E-08	4.36E-09	1.05E-07	2.33E-08	3.03E-08	4.80E-08	8.46E-09	6.00E-09	2.26E-07	1.19E-07	5.06E-08	5.95E-08	2.34E-08	1.19E-07	5.06E-08
3755	488863.09	3851877	3.53E-04	3.44E-04	3.40E-04	1.22E-07	3.69E-07	2.13E-07	2.08E-07	1.89E-07	8.61E-08	8.50E-08	4.08E-09	9.85E-08	2.17E-08	2.83E-08	4.48E-08	7.90E-09	5.61E-09	2.11E-07	1.11E-07	4.72E-08	5.56E-08	2.18E-08	1.11E-07	4.72E-08
3756	489363.09	3851877	3.31E-04	3.23E-04	3.19E-04	1.15E-07	3.46E-07	2.00E-07	1.95E-07	1.77E-07	8.09E-08	7.98E-08	3.83E-09	9.24E-08	2.04E-08	2.65E-08	4.21E-08	7.42E-09	5.26E-09	1.98E-07	1.04E-07	4.43E-08	5.22E-08	2.05E-08	1.04E-07	4.43E-08
3757	489863.09	3851877	3.14E-04	3.06E-04	3.02E-04	1.09E-07	3.28E-07	1.90E-07	1.85E-07	1.68E-07	7.67E-08	7.57E-08	3.63E-09	8.77E-08	1.94E-08	2.52E-08	3.99E-08	7.04E-09	4.99E-09	1.88E-07	9.91E-08	4.21E-08	4.95E-08	1.94E-08	9.91E-08	4.21E-08
3758	490363.09	3851877	3.03E-04	2.96E-04	2.92E-04	1.05E-07	3.17E-07	1.83E-07	1.79E-07	1.62E-07	7.40E-08	7.30E-08	3.50E-09	8.46E-08	1.87E-08	2.43E-08	3.85E-08	6.79E-09	4.81E-09	1.81E-07	9.56E-08	4.06E-08	4.77E-08	1.87E-08	9.56E-08	4.06E-08
3759	490863.09	3851877	2.94E-04	2.87E-04	2.83E-04	1.02E-07	3.07E-07	1.78E-07	1.74E-07	1.57E-07	7.18E-08	7.09E-08	3.40E-09	8.21E-08	1.81E-08	2.36E-08	3.74E-08	6.59E-09	4.68E-09	1.76E-07	9.28E-08	3.94E-08	4.63E-08	1.82E-08	9.28E-08	3.94E-08
3760	491363.09	3851877	2.88E-04	2.81E-04	2.77E-04	9.97E-08	3.01E-07	1.74E-07	1.70E-07	1.54E-07	7.03E-08	6.94E-08	3.33E-09	8.04E-08	1.77E-08	2.31E-08	3.66E-08	6.45E-09	4.58E-09	1.72E-07	9.09E-08	3.86E-08	4.54E-08	1.78E-08	9.09E-08	3.86E-08
3761	491863.09	3851877	2.80E-04	2.73E-04	2.70E-04	9.69E-08	2.93E-07	1.69E-07	1.65E-07	1.50E-07	6.84E-08	6.75E-08	3.24E-09	7.82E-08	1.73E-08	2.24E-08	3.56E-08	6.28E-09	4.45E-09	1.67E-07	8.84E-08	3.75E-08	4.41E-08	1.73E-08	8.84E-08	3.75E-08
3762	492363.09	3851877	2.67E-04	2.60E-04	2.57E-04	9.23E-08	2.79E-07	1.61E-07	1.58E-07	1.43E-07	6.51E-08	6.43E-08	3.08E-09	7.45E-08	1.64E-08	2.14E-08	3.39E-08	5.98E-09	4.24E-09	1.60E-07	8.42E-08	3.57E-08	4.20E-08	1.65E-08	8.42E-08	3.57E-08
3763	492863.09	3851877	2.40E-04	2.34E-04	2.31E-04	8.30E-08	2.51E-07	1.45E-07	1.42E-07	1.28E-07	5.86E-08	5.78E-08	2.77E-09	6.70E-08	1.48E-08	1.92E-08	3.05E-08	5.37E-09	3.81E-09	1.43E-07	7.57E-08	3.21E-08	3.78E-08	1.48E-08	7.57E-08	3.21E-08
3764	493363.09	3851877	2.53E-04	2.47E-04	2.44E-04	8.76E-08	2.65E-07	1.53E-07	1.49E-07	1.35E-07	6.18E-08	6.10E-08	2.93E-09	7.07E-08	1.56E-08	2.03E-08	3.22E-08	5.67E-09	4.02E-09	1.51E-07	7.99E-08	3.39E-08	3.99E-08	1.57E-08	7.99E-08	3.39E-08
3765	493863.09	3851877	2.66E-04	2.59E-04	2.56E-04	9.19E-08	2.78E-07	1.61E-07	1.57E-07	1.42E-07	6.48E-08	6.40E-08	3.07E-09	7.41E-08	1.64E-08	2.13E-08	3.38E-08	5.95E-09	4.22E-09	1.59E-07	8.38E-08	3.56E-08	4.18E-08	1.64E-08	8.38E-08	3.56E-08
3766	494363.09	3851877	2.54E-04	2.48E-04	2.45E-04	8.80E-08	2.66E-07	1.54E-07	1.50E-07	1.36E-07	6.21E-08	6.13E-08	2.94E-09	7.10E-08	1.57E-08	2.04E-08	3.23E-08	5.70E-09	4.04E-09	1.52E-07	8.03E-08	3.41E-08	4.01E-08	1.57E-08	8.03E-08	3.41E-08
3767	494863.09	3851877	2.58E-04	2.52E-04	2.49E-04	8.95E-08	2.70E-07	1.56E-07	1.53E-07	1.38E-07	6.31E-08	6.23E-08	2.99E-09	7.22E-08	1.59E-08	2.07E-08	3.29E-08	5.79E-09	4.11E-09	1.55E-07	8.16E-08	3.46E-08	4.07E-08	1.60E-08	8.16E-08	3.46E-08

3768	495363.09	3851877	2.58E-04	2.52E-04	2.48E-04	8.93E-08	2.70E-07	1.56E-07	1.52E-07	1.38E-07	6.30E-08	6.22E-08	2.98E-09	7.21E-08	1.59E-08	2.07E-08	3.28E-08	5.78E-09	4.10E-09	1.54E-07	8.14E-08	3.46E-08	4.07E-08	1.60E-08	8.14E-08	3.46E-08
3769	495863.09	3851877	2.55E-04	2.49E-04	2.46E-04	8.83E-08	2.67E-07	1.54E-07	1.51E-07	1.37E-07	6.23E-08	6.15E-08	2.95E-09	7.12E-08	1.57E-08	2.05E-08	3.24E-08	5.72E-09	4.06E-09	1.53E-07	8.05E-08	3.42E-08	4.02E-08	1.58E-08	8.05E-08	3.42E-08
3770	496363.09	3851877	2.49E-04	2.43E-04	2.40E-04	8.62E-08	2.60E-07	1.51E-07	1.47E-07	1.33E-07	6.08E-08	6.00E-08	2.88E-09	6.95E-08	1.53E-08	2.00E-08	3.17E-08	5.58E-09	3.96E-09	1.49E-07	7.86E-08	3.33E-08	3.92E-08	1.54E-08	7.86E-08	3.33E-08
3771	496863.09	3851877	2.42E-04	2.36E-04	2.33E-04	8.37E-08	2.53E-07	1.46E-07	1.43E-07	1.29E-07	5.91E-08	5.83E-08	2.80E-09	6.75E-08	1.49E-08	1.94E-08	3.08E-08	5.42E-09	3.84E-09	1.45E-07	7.63E-08	3.24E-08	3.81E-08	1.50E-08	7.63E-08	3.24E-08
3772	497363.09	3851877	2.35E-04	2.29E-04	2.26E-04	8.13E-08	2.45E-07	1.42E-07	1.39E-07	1.26E-07	5.73E-08	5.66E-08	2.71E-09	6.56E-08	1.45E-08	1.88E-08	2.99E-08	5.26E-09	3.73E-09	1.40E-07	7.41E-08	3.14E-08	3.70E-08	1.45E-08	7.41E-08	3.14E-08
3773	497863.09	3851877	2.23E-04	2.18E-04	2.15E-04	7.73E-08	2.33E-07	1.35E-07	1.32E-07	1.19E-07	5.45E-08	5.38E-08	2.58E-09	6.23E-08	1.38E-08	1.79E-08	2.84E-08	5.00E-09	3.55E-09	1.33E-07	7.04E-08	2.99E-08	3.52E-08	1.38E-08	7.04E-08	2.99E-08
3774	498363.09	3851877	2.13E-04	2.08E-04	2.05E-04	7.38E-08	2.23E-07	1.29E-07	1.26E-07	1.14E-07	5.21E-08	5.14E-08	2.47E-09	5.95E-08	1.31E-08	1.71E-08	2.71E-08	4.78E-09	3.39E-09	1.28E-07	6.73E-08	2.86E-08	3.36E-08	1.32E-08	6.73E-08	2.86E-08
3775	471363.09	3852377	1.39E-04	1.35E-04	1.33E-04	4.80E-08	1.45E-07	8.38E-08	8.18E-08	7.42E-08	3.38E-08	3.34E-08	1.60E-09	3.87E-08	8.54E-09	1.11E-08	1.76E-08	3.11E-09	2.20E-09	8.29E-08	4.37E-08	1.86E-08	2.18E-08	8.58E-09	4.37E-08	1.86E-08
3776	471863.09	3852377	1.51E-04	1.47E-04	1.45E-04	5.21E-08	1.57E-07	9.11E-08	8.89E-08	8.06E-08	3.68E-08	3.63E-08	1.74E-09	4.21E-08	9.28E-09	1.21E-08	1.92E-08	3.38E-09	2.39E-09	9.01E-08	4.75E-08	2.02E-08	2.37E-08	9.32E-09	4.75E-08	2.02E-08
3777	472363.09	3852377	1.59E-04	1.55E-04	1.53E-04	5.51E-08	1.67E-07	9.64E-08	9.41E-08	8.53E-08	3.89E-08	3.84E-08	1.84E-09	4.45E-08	9.82E-09	1.28E-08	2.03E-08	3.57E-09	2.53E-09	9.53E-08	5.03E-08	2.13E-08	2.51E-08	9.86E-09	5.03E-08	2.13E-08
3778	472863.09	3852377	1.68E-04	1.64E-04	1.62E-04	5.82E-08	1.76E-07	1.02E-07	9.92E-08	8.99E-08	4.10E-08	4.05E-08	1.94E-09	4.69E-08	1.04E-08	1.35E-08	2.14E-08	3.77E-09	2.67E-09	1.00E-07	5.30E-08	2.25E-08	2.65E-08	1.04E-08	5.30E-08	2.25E-08
3779	473363.09	3852377	1.75E-04	1.70E-04	1.68E-04	6.05E-08	1.83E-07	1.06E-07	1.03E-07	9.35E-08	4.27E-08	4.21E-08	2.02E-09	4.88E-08	1.08E-08	1.40E-08	2.22E-08	3.91E-09	2.78E-09	1.04E-07	5.51E-08	2.34E-08	2.75E-08	1.08E-08	5.51E-08	2.34E-08
3780	473863.09	3852377	1.78E-04	1.74E-04	1.72E-04	6.18E-08	1.86E-07	1.08E-07	1.05E-07	9.55E-08	4.36E-08	4.30E-08	2.06E-09	4.98E-08	1.10E-08	1.43E-08	2.27E-08	4.00E-09	2.84E-09	1.07E-07	5.63E-08	2.39E-08	2.81E-08	1.10E-08	5.63E-08	2.39E-08
3781	474363.09	3852377	1.83E-04	1.79E-04	1.76E-04	6.33E-08	1.91E-07	1.11E-07	1.08E-07	9.79E-08	4.47E-08	4.41E-08	2.11E-09	5.11E-08	1.13E-08	1.47E-08	2.33E-08	4.10E-09	2.91E-09	1.09E-07	5.77E-08	2.45E-08	2.88E-08	1.13E-08	5.77E-08	2.45E-08
3782	474863.09	3852377	2.17E-04	2.11E-04	2.09E-04	7.50E-08	2.26E-07	1.31E-07	1.28E-07	1.16E-07	5.29E-08	5.22E-08	2.50E-09	6.05E-08	1.33E-08	1.74E-08	2.75E-08	4.85E-09	3.44E-09	1.30E-07	6.84E-08	2.90E-08	3.41E-08	1.34E-08	6.84E-08	2.90E-08
3783	475363.09	3852377	2.26E-04	2.20E-04	2.17E-04	7.81E-08	2.36E-07	1.37E-07	1.33E-07	1.21E-07	5.51E-08	5.44E-08	2.61E-09	6.30E-08	1.39E-08	1.81E-08	2.87E-08	5.06E-09	3.59E-09	1.35E-07	7.12E-08	3.02E-08	3.56E-08	1.40E-08	7.12E-08	3.02E-08
3784	475863.09	3852377	2.35E-04	2.29E-04	2.26E-04	8.13E-08	2.45E-07	1.42E-07	1.39E-07	1.26E-07	5.73E-08	5.66E-08	2.71E-09	6.56E-08	1.45E-08	1.88E-08	2.99E-08	5.26E-09	3.73E-09	1.40E-07	7.41E-08	3.14E-08	3.70E-08	1.45E-08	7.41E-08	3.14E-08
3785	476363.09	3852377	2.42E-04	2.36E-04	2.33E-04	8.39E-08	2.53E-07	1.47E-07	1.43E-07	1.30E-07	5.92E-08	5.84E-08	2.80E-09	6.77E-08	1.49E-08	1.94E-08	3.08E-08	5.43E-09	3.85E-09	1.45E-07	7.65E-08	3.24E-08	3.82E-08	1.50E-08	7.65E-08	3.24E-08
3786	476863.09	3852377	2.63E-04	2.57E-04	2.54E-04	9.12E-08	2.75E-07	1.59E-07	1.56E-07	1.41E-07	6.43E-08	6.35E-08	3.05E-09	7.36E-08	1.62E-08	2.11E-08	3.35E-08	5.90E-09	4.19E-09	1.58E-07	8.31E-08	3.53E-08	4.15E-08	1.63E-08	8.31E-08	3.53E-08
3787	477363.09	3852377	2.75E-04	2.69E-04	2.65E-04	9.54E-08	2.88E-07	1.67E-07	1.63E-07	1.47E-07	6.73E-08	6.64E-08	3.18E-09	7.69E-08	1.70E-08	2.21E-08	3.50E-08	6.17E-09	4.38E-09	1.65E-07	8.69E-08	3.69E-08	4.34E-08	1.70E-08	8.69E-08	3.69E-08
3788	477863.09	3852377	2.61E-04	2.54E-04	2.51E-04	9.02E-08	2.72E-07	1.58E-07	1.54E-07	1.39E-07	6.36E-08	6.28E-08	3.01E-09	7.27E-08	1.61E-08	2.09E-08	3.31E-08	5.84E-09	4.14E-09	1.56E-07	8.22E-08	3.49E-08	4.10E-08	1.61E-08	8.22E-08	3.49E-08
3789	478363.09	3852377	2.58E-04	2.51E-04	2.48E-04	8.92E-08	2.69E-07	1.56E-07	1.52E-07	1.38E-07	6.29E-08	6.21E-08	2.98E-09	7.19E-08	1.59E-08	2.07E-08	3.28E-08	5.77E-09	4.10E-09	1.54E-07	8.13E-08	3.45E-08	4.06E-08	1.59E-08	8.13E-08	3.45E-08
3790	478863.09	3852377	3.16E-04	3.08E-04	3.04E-04	1.09E-07	3.30E-07	1.91E-07	1.86E-07	1.69E-07	7.71E-08	7.61E-08	3.65E-09	8.82E-08	1.95E-08	2.53E-08	4.02E-08	7.08E-09	5.02E-09	1.89E-07	9.96E-08	4.23E-08	4.97E-08	1.95E-08	9.96E-08	4.23E-08
3791	479363.09	3852377	3.67E-04	3.58E-04	3.53E-04	1.27E-07	3.83E-07	2.22E-07	2.17E-07	1.96E-07	8.96E-08	8.84E-08	4.24E-09	1.02E-07	2.26E-08	2.94E-08	4.66E-08	8.22E-09	5.83E-09	2.19E-07	1.16E-07	4.91E-08	5.78E-08	2.27E-08	1.16E-07	4.91E-08
3792	479863.09	3852377	4.84E-04	4.72E-04	4.66E-04	1.67E-07	5.06E-07	2.93E-07	2.86E-07	2.59E-07	1.18E-07	1.17E-07	5.59E-09	1.35E-07	2.98E-08	3.88E-08	6.15E-08	1.08E-08	7.69E-09	2.89E-07	1.53E-07	6.48E-08	7.62E-08	2.99E-08	1.53E-07	6.48E-08
3793	480363.09	3852377	6.24E-04	6.09E-04	6.01E-04	2.16E-07	6.52E-07	3.78E-07	3.68E-07	3.34E-07	1.52E-07	1.50E-07	7.21E-09	1.74E-07	3.84E-08	5.00E-08	7.94E-08	1.40E-08	9.92E-09	3.73E-07	1.97E-07	8.36E-08	9.83E-08	3.86E-08	1.97E-07	8.36E-08
3794	480863.09	3852377	8.12E-04	7.92E-04	7.82E-04	2.81E-07	8.49E-07	4.91E-07	4.79E-07	4.35E-07	1.98E-07	1.96E-07	9.39E-09	2.27E-07	5.00E-08	6.51E-08	1.03E-07	1.82E-08	1.29E-08	4.86E-07	2.56E-07	1.09E-07	1.28E-07	5.02E-08	2.56E-07	1.09E-07
3795	481363.09	3852377	1.32E-03	1.29E-03	1.27E-03	4.57E-07	1.38E-06	7.99E-07	7.80E-07	7.07E-07	3.23E-07	3.18E-07	1.53E-08	3.69E-07	8.14E-08	1.06E-07	1.68E-07	2.96E-08	2.10E-08	7.90E-07	4.17E-07	1.77E-07	2.08E-07	8.18E-08	4.17E-07	1.77E-07
3796	481863.09	3852377	7.54E-03	7.35E-03	7.26E-03	2.61E-06	7.88E-06	4.56E-06	4.45E-06	4.03E-06	1.84E-06	1.82E-06	8.71E-08	2.10E-06	4.64E-07	6.04E-07	9.58E-07	1.69E-07	1.20E-07	4.51E-06	2.38E-06	1.01E-06	1.19E-06	4.66E-07	2.38E-06	1.01E-06
3797	482363.09	3852377	4.18E-03	4.08E-03	4.03E-03	1.45E-06	4.37E-06	2.53E-06	2.47E-06	2.24E-06	1.02E-06	1.01E-06	4.83E-08	1.17E-06	2.58E-07	3.35E-07	5.32E-07	9.37E-08	6.64E-08	2.50E-06	1.32E-06	5.60E-07	6.59E-07	2.59E-07	1.32E-06	5.60E-07
3798	482863.09	3852377	1.79E-03	1.74E-03	1.72E-03	6.18E-07	1.87E-06	1.08E-06	1.05E-06	9.56E-07	4.36E-07	4.30E-07	2.06E-08	4.99E-07	1.10E-07	1.43E-07	2.27E-07	4.00E-08	2.84E-08	1.07E-06	5.64E-07	2.39E-07	2.81E-07	1.11E-07	5.64E-07	2.39E-07
3799	483363.09	3852377	1.10E-03	1.07E-03	1.06E-03	3.81E-07	1.15E-06	6.66E-07	6.50E-07	5.89E-07	2.69E-07	2.65E-07	1.27E-08	3.07E-07	6.78E-08	8.82E-08	1.40E-07	2.47E-08	1.75E-08	6.58E-07	3.47E-07	1.47E-07	1.73E-07	6.81E-08	3.47E-07	1.47E-07
3800	483863.09	3852377	8.48E-04	8.28E-04	8.17E-04	2.94E-07	8.87E-07	5.13E-07	5.01E-07	4.54E-07	2.07E-07	2.04E-07	9.81E-09	2.37E-07	5.23E-08	6.80E-08	1.08E-07	1.90E-08	1.35E-08	5.07E-07	2.68E-07	1.14E-07	1.34E-07	5.25E-08	2.68E-07	1.14E-07
3801	484363.09	3852377	7.78E-04	7.59E-04	7.49E-04	2.69E-07	8.13E-07	4.71E-07	4.59E-07	4.16E-07	1.90E-07	1.87E-07	8.99E-09	2.17E-07	4.79E-08	6.24E-08	9.89E-08	1.74E-08	1.24E-08	4.65E-07	2.46E-07	1.04E-07	1.23E-07	4.81E-08	2.46E-07	1.04E-07
3802	484863.09	3852377	7.12E-04	6.95E-04	6.86E-04	2.47E-07	7.45E-07	4.31E-07	4.21E-07	3.81E-07	1.74E-07	1.72E-07	8.23E-09	1.99E-07	4.39E-08	5.71E-08	9.06E-08	1.60E-08	1.13E-08	4.26E-07	2.25E-07	9.54E-08	1.12E-07	4.41E-08	2.25E-07	9.54E-08
3803	485363.09	3852377	6.57E-04	6.41E-04	6.33E-04	2.27E-07	6.87E-07	3.98E-07	3.88E-07	3.52E-07	1.60E-07	1.58E-07	7.60E-09	1.83E-07	4.05E-08	5.27E-08	8.36E-08	1.47E-08	1.04E-08	3.93E-07	2.07E-07	8.80E-08	1.04E-07	4.07E-08	2.07E-07	8.80E-08
3804	485863.09	3852377	5.83E-04	5.69E-04	5.61E-04	2.02E-07	6.09E-07	3.53E-07	3.44E-07	3.12E-07	1.42E-07	1.40E-07	6.74E-09	1.63E-07	3.59E-08	4.67E-08	7.41E-08	1.31E-08	9.27E-09	3.49E-07	1.84E-07	7.81E-08	9.18E-08	3.61E-08	1.84E-07	7.81E-08
3805	486363.09	3852377	5.09E-04	4.97E-04	4.91E-04	1.76E-07	5.33E-07	3.08E-07	3.01E-07	2.73E-07	1.24E-07	1.23E-07	5.89E-09	1.42E-07	3.14E-08	4.08E-08	6.48E-08	1.14E-08	8.10E-09	3.05E-07	1.61E-07	6.82E-08	8.03E-08	3.15E-08	1.61E-07	6.82E-08
3806	486863.09	3852377	4.70E-04	4.58E-04	4.52E-04	1.63E-07	4.91E-07	2.84E-07	2.77E-07	2.51E-07	1.15E-07	1.13E-07	5.43E-09	1.31E-07	2.89E-08	3.76E-08	5.97E-08	1.05E-08	7.47E-09	2.81E-07	1.48E-07	6.29E-08	7.40E-08	2.91E-08	1.48E-07	6.29E-08
3807	487363.09	3852377	4.29E-04	4.19E-04	4.13E-04	1.48E-07	4.48E-07	2.60E-07	2.53E-07	2.30E-07	1.05E-07	1.03E-07	4.96E-09	1.20E-07	2.64E-08	3.44E-08	5.46E-08	9.61E-09	6.82E-09	2.57E-07	1.35E-07	5.74E-08	6.76E-08	2.65E-08	1.35E-07	5.74E-08
3808	487863.09	3852377	3.94E-04	3.84E-04	3.79E-04	1.36E-07	4.12E-07	2.38E-07	2.32E-07	2.11E-07	9.62E-08	9.49E-08	4.55E-09	1.10E-07	2.43E-08	3.16E-08	5.01E-08	8.82E-09	6.26E-09	2.35E-07	1.24E-07	5.27E-08	6.20E-08	2.44E-08	1.24E-07	5.27E-08
3809	488363.09	3852377	3.64E-04	3.55E-04	3.51E-04	1.26E-07	3.81E-07	2.20E-07	2.15E-07	1.95E-07	8.90E-08	8.78E-08	4.21E-09	1.02E-07	2.24E-08	2.92E-08	4.63E-08	8.16E-09	5.79E-09	2.18E-07	1.15E-07	4.88E-08	5.74E-08	2.25E-08	1.15E-07	4.88E-08
3810	488863.09	3852377	3.36E-04	3.28E-04	3.23E-04	1.16E-07	3.51E-07	2.03E-07	1.98E-07	1.80E-07	8.20E-08	8.09E-08	3.88E-09	9.37E-08	2.07E-08	2.69E-08	4.27E-08	7.52E-09	5.33E-09	2.01E-07	1.06E-07	4.49E-08	5.29E-08	2.08E-08	1.06E-07	4.49E-08
3811	489363.09	3852377	3.14E-04	3.07E-04	3.03E-04	1.09E-07	3.29E-07	1.90E-07	1.86E-07	1.68E-07	7.68E-08	7.58E-08	3.64E-09	8.78E-08	1.94E-08	2.52E-08	4.00E-08	7.05E-09	5.00E-09	1.88E-07	9.93E-08	4.21E-08	4.95E-08	1.95E-08	9.93E-08	4.21E-08
3812	489863.09	3852377	2.91E-04	2.84E-04	2.80E-04	1.01E-07	3.04E-07	1.76E-07	1.72E-07	1.56E-07	7.10E-08	7.01E-08	3.36E-09	8.12E-08	1.79E-08	2.33E-08	3.70E-08	6.52E-09	4.62E-09	1.74E-07	9.18E-08	3.89E-08	4.58E-08	1.80E-08	9.18E-08	3.89E-08
3813	490363.09	3852377	2.94E-04	2.87E-04	2.83E-04	1.02E-07	3.07E-07	1.78E-07	1.73E-07	1.57E-07	7.17E-08	7.08E-08	3.40E-09	8.20E-08	1.81E-08	2.35E-08	3.74E-08	6.58E-09	4.67E-09	1.76E-07	9.27E-08	3.93E-08	4.63E-08	1.82E-08	9.27E-08	3.93E-08
3814	490863.09	3852377	2.92E-04	2.85E-04	2.82E-04	1.01E-07	3.06E-07	1.77E-07	1.73E-07	1.57E-07	7.14E-08	7.05E-08	3.38E-09	8.17E-08	1.80E-08	2.34E-08	3.72E-08	6.56E-09	4.65E-09	1.75E-07	9.23E-08	3.92E-08	4.61E-08	1.81E-08	9.23E-08	3.92E-08
3815	491363.09	3852377	3.04E-04	2.96E-04	2.92E-04	1.05E-07	3.17E-07	1.84E-07	1.79E-07	1.63E-07	7.42E-08	7.32E-08	3.51E-09	8.48E-08	1.87E-08	2.43E-08	3.86E-08	6.81E-09	4.83E-09	1.82E-07	9.58E-08	4.07E-08	4.78E-08	1.88E-08	9.58E-08	4.07E-08
3816	491863.09	3852377	2.97E-04	2.90E-04	2.86E-04	1.03E-07	3.10E-07	1.80E-07	1.75E-07	1.59E-07	7.25E-08	7.16E-08	3.43E-09	8.29E-08	1.83E-08	2.38E-08	3.78E-08	6.66E-09	4.72E-09	1.78E-07	9.38E-08	3.98E-08	4.68E-08	1.84E-08	9.38E-08	3.98E-08
3817	492363.09	3852377	2.89E-04	2.82E-04	2.78E-04	1.00E-07	3.02E-07	1.75E-07	1.71E-07	1.55E-07	7.06E-08	6.97E-08	3.34E-09	8.07E-08	1.78E-08	2.32E-08	3.68E-08	6.48E-09	4.60E-09	1.73E-07	9.13E-08	3.87E-08	4.56E-08	1.79E-08	9.13E-08	3.87E-08
3818	492863.09	3852377	2.88E-04	2.81E-04	2.77E-04	9.97E-08	3.01E-07	1.74E-07	1.70E-07	1.54E-07	7.03E-08	6.94E-08	3.33E-09	8.04E-08	1.77E-08	2.31E-08	3.66E-08	6.45E-09	4.58E-09	1.72E-07	9.09E-08	3.86E-08	4.54E-08	1.78E-08	9.09E-08	3.86E-08
3819	493363.09	3852377	2.93E-04	2.86E-04	2.82E-04	1.01E-07	3.06E-07	1.77E-07	1.73E-07	1.57E-07	7.15E-08	7.06E-08	3.39E-09	8.18E-08	1.80E-08	2.35E-08	3.72E-08	6.56E-09	4.66E-09	1.75E-07	9.24E-08	3.92E-08	4.61E-08	1.81E-08	9.24E-08	3.92E-08
3820	493863.09	3852377	2.84E-04	2.77E-04	2.73E-04	9.82E-08	2.97E-07	1.72E-07	1.68E-07	1.52E-07	6.93E-08	6.84E-08	3.28E-09	7.92E-08	1.75E-08	2.27E-08	3.61E-08	6.36E-09	4.51E-09	1.70E-07	8.96E-08	3.80E-08	4.47E-08	1.76E-08	8.96E-08	3.80E-08
3821	494363.09	3852377	2.76E-04	2.69E-04	2.66E-04	9.55E-08	2.88E-07	1.67E-07	1.63E-07	1.48E-07	6.74E-08	6.65E-08	3.19E-09	7.70E-08	1.70E-08	2.21E-08	3.51E-08	6.18E-09	4.39E-09	1.65E-07	8.71E-08	3.69E-08	4.35E-08	1.71E-08	8.71E-08	3.69E-08
3822	494863.09	3852377	2.76E-04	2.69E-04	2.66E-04	9.55E-08	2.88E-07	1.67E-07	1.63E-07	1.48E-07	6.74E-08	6.65E-08	3.19E-09	7.70E-08	1.70E-08	2.21E-08	3.51E-08	6.18E-09	4.39E-09	1.65E-07	8.71E-08	3.69E-08	4.35E-08	1.71E-08	8.71E-08	3.69E-08
3823	495363.09	3852377	2.75E-04	2.69E-04	2.65E-04	9.54E-08	2.88E-07	1.67E-07	1.63E-07	1.47E-07	6.73E-08	6.64E-08	3.18E-09	7.69E-08	1.70E-08	2.21E-08	3.50E-08	6.17E-09	4.38E-09	1.65E-07	8.69E-08	3.69E-08	4.34E-08	1.70E-08	8.69E-08	3.69E-08
3824	495863.09	3852377	2.66E-04	2.60E-04	2.56E-04	9.22E-08	2.78E-07	1.61E-07	1.57E-07	1.43E-07	6.50E-08	6.42E-08	3.08E-09	7.44E-08	1.64E-08	2.14E-08	3.39E-08	5.97E-09	4.23E-09	1.59E-07	8.41E-08	3.57E-08	4.20E-08	1.65E-08	8.41E-08	3.57E-08
3825	496363.09	3852377	2.56E-04	2.50E-04	2.47E-04	8.88E-08	2.68E-07	1.55E-07	1.51E-07	1.37E-07	6.26E-08	6.18E-08	2.96E-09	7.16E-08	1.58E-08	2.06E-08	3.26E-08	5.75E-09	4.08E-09	1.53E-07	8.09E-08	3.43E-08	4.04E-08	1.59E-08	8.09E-08	3.43E-08
3826	496863.09	3852377	2.49E-04	2.43E-04	2.40E-04	8.63E-08	2.61E-07	1.51E-07	1.47E-07	1.33E-07	6.09E-08	6.01E-08	2.88E-09	6.96E-08	1.54E-08	2.00E-08	3.17E-08	5.59E-09	3.96E-09	1.49E-07	7.87E-08	3.34E-08	3.93E-08	1.54E-08	7.87E-08	3.34E-08
3827	497363.09	3852377	2.36E-04	2.31E-04	2.28E-04	8.19E-08	2.47E-07	1.43E-07	1.40E-07	1.27E-07	5.78E-08	5.70E-08	2.73E-09	6.60E-08	1.46E-08	1.90E-08	3.01E-08	5.30E-09	3.76E-09	1.41E-07	7.46E-08	3.17E-08	3.73E-08	1.46E-08	7.46E-08	3.17E-08
3828	497863.09	3852377	2.22E-04	2.17E-04	2.14E-04	7.68E-08	2.32E-07	1.34E-07	1.31E-07	1.19E-07	5.42E-08	5.35E-08	2.57E-09	6.20E-08	1.37E-08	1.78E-08	2.82E-08	4.97E-09	3.53E-09	1.33E-07	7.01E-08	2.97E-08	3.50E-08	1.37E-08	7.01E-08	2.97E-08
3829	498363.09	3852377	2.10E-04	2.05E-04	2.02E-04	7.27E-08	2.19E-07	1.27E-07	1.24E-07	1.12E-07	5.13E-08	5.06E-08	2.43E-09	5.86E-08	1.29E-08	1.68E-08	2.67E-08	4.71E-09	3.34E-09	1.26E-07	6.63E-08	2.81E-08	3.31E-08	1.30E-08	6.63E-08	2.81E-08
3830	471363.09	3852877	1.34E-04	1.31E-04	1.29E-04	4.65E-08	1.40E-07	8.13E-08	7.94E-08	7.19E-08	3.28E-08	3.24E-08	1.55E-09	3.75E-08	8.28E-09	1.08E-08	1.71E-08	3.01E-09	2.14E-09	8.04E-08	4.24E-08	1.80E-08	2.12E-08	8.32E-09	4.24E-08	1.80E-08
3831	471863.09	3852877	1.43E-04	1.39E-04	1.37E-04	4.94E-08	1.49E-07	8.64E-08	8.43E-08	7.64E-08	3.49E-08	3.44E-08	1.65E-09	3.98E-08	8.79E-09	1.14E-08	1.81E-08	3.20E-09	2.27E-09	8.54E-08	4.50E-08	1.91E-08	2.25E-08	8.83E-09	4.50E-08	1.91E-08
3832	472363.09	3852877	1.50E-04	1.47E-04	1.45E-04	5.20E-08	1.57E-07	9.09E-08	8.87E-08	8.04E-08	3.67E-08	3.62E-08	1.74E-09	4.19E-08	9.25E-09	1.20E-08	1.91E-08	3.37E-09	2.39E-09	8.98E-08	4.74E-08	2.01E-08	2.37E-08	9.29E-09	4.74E-08	2.01E-08
3833	472863.09	3852877	1.57E-04	1.53E-04	1.51E-04	5.43E-08	1.64E-07	9.49E-08	9.26E-08	8.39E-08	3.83E-08	3.78E-08	1.81E-09	4.38E-08	9.66E-09	1.26E-08	1.99E-08	3.51E-09	2.49E-09	9.38E-08	4.95E-08	2.10E-08	2.47E-08	9.71E-09	4.95E-08	2.10E-08
3834	473363.09	3852877	1.66E-04	1.62E-04	1.59E-04	5.73E-08	1.73E-07	1.00E-07	9.77E-08	8.86E-08	4.04E-08	3.99E-08	1.91E-09	4.62E-08	1.02E-08	1.33E-08	2.11E-08	3.71E-09	2.63E-09	9.90E-08	5.22E-08	2.22E-08	2.61E-08	1.02E-08	5.22E-08	2.22E-08
3835	473863.09	3852877	1.75E-04	1.71E-04	1.69E-04	6.07E-08	1.83E-07	1.06E-07	1.04E-07	9.39E-08	4.29E-08	4.23E-08	2.03E-09	4.90E-08	1.08E-08	1.41E-08	2.23E-08	3.93E-09	2.79E-09	1.05E-07	5.54E-08	2.35E-08	2.76E-08	1.09E-08	5.54E-08	2.35E-08
3836	474363.09	3852877	1.86E-04	1.82E-04	1.79E-04	6.45E-08	1.95E-07	1.13E-07	1.10E-07	9.97E-08	4.55E-08	4.49E-08	2.15E-09	5.20E-08	1.15E-08	1.49E-08	2.37E-08	4.18E-09	2.96E-09	1.11E-07	5.88E-08	2.49E-08	2.93E-08	1.15E-08	5.88E-08	2.49E-08
3837	474863.09	3852877	1.83E-04	1.79E-04	1.76E-04	6.33E-08	1.91E-07	1.11E-07	1.08E-07	9.79E-08	4.47E-08	4.41E-08	2.11E-09	5.11E-08	1.13E-08	1.47E-08	2.33E-08	4.10E-09	2.91E-09	1.09E-07	5.77E-08	2.45E-08	2.88E-08	1.13E-08	5.77E-08	2.45E-08
3838	475363.09	3852877	1.97E-04	1.92E-04	1.89E-04	6.81E-08	2.06E-07	1.19E-07	1.16E-07	1.05E-07	4.80E-08	4.74E-08	2.27E-09	5.49E-08	1.21E-08	1.58E-08	2.50E-08	4.41E-09	3.13E-09	1.18E-07	6.21E-08	2.63E-08	3.10E-08	1.22E-08	6.21E-08	2.63E-08
3839	475863.09	3852877	2.04E-04	1.99E-04	1.97E-04	7.07E-08	2.13E-07	1.24E-07	1.21E-07	1.09E-07	4.99E-08	4.92E-08	2.36E-09	5.70E-08	1.26E-08	1.64E-08	2.60E-08	4.57E-09	3.24E-09	1.22E-07	6.44E-08	2.73E-08	3.22E-08	1.26E-08	6.44E-08	2.73E-08
3840	476363.09	3852877	2.05E-04	2.00E-04	1.97E-04	7.08E-08	2.14E-07	1.24E-07	1.21E-07	1.09E-07	5.00E-08	4.93E-08	2.36E-09	5.71E-08	1.26E-08	1.64E-08	2.60E-08	4.58E-09	3.25E-09	1.22E-07	6.46E-08	2.74E-08	3.22E-08	1.27E-08	6.46E-08	2.74E-08
3841	476863.09	3852877	2.00E-04	1.96E-04	1.93E-04	6.94E-08	2.09E-07	1.21E-07	1.18E-07	1.07E-07	4.89E-08	4.83E-08	2.32E-09	5.60E-08	1.23E-08	1.61E-08	2.55E-08	4.49E-09	3.19E-09	1.20E-07	6.32E-08	2.68E-08	3.16E-08	1.24E-08	6.32E-08	2.68E-08

3842	477363.09	3852877	1.99E-04	1.94E-04	1.91E-04	6.88E-08	2.08E-07	1.20E-07	1.17E-07	1.06E-07	4.85E-08	4.79E-08	2.30E-09	5.55E-08	1.22E-08	1.59E-08	2.53E-08	4.45E-09	3.16E-09	1.19E-07	6.27E-08	2.66E-08	3.13E-08	1.23E-08	6.27E-08	2.66E-08
3843	477863.09	3852877	1.94E-04	1.89E-04	1.87E-04	6.72E-08	2.03E-07	1.17E-07	1.15E-07	1.04E-07	4.74E-08	4.68E-08	2.24E-09	5.42E-08	1.20E-08	1.56E-08	2.47E-08	4.35E-09	3.09E-09	1.16E-07	6.13E-08	2.60E-08	3.06E-08	1.20E-08	6.13E-08	2.60E-08
3844	478363.09	3852877	1.82E-04	1.77E-04	1.75E-04	6.29E-08	1.90E-07	1.10E-07	1.07E-07	9.73E-08	4.44E-08	4.38E-08	2.10E-09	5.07E-08	1.12E-08	1.46E-08	2.31E-08	4.07E-09	2.89E-09	1.09E-07	5.74E-08	2.43E-08	2.86E-08	1.12E-08	5.74E-08	2.43E-08
3845	478863.09	3852877	2.05E-04	2.00E-04	1.97E-04	7.08E-08	2.14E-07	1.24E-07	1.21E-07	1.09E-07	5.00E-08	4.93E-08	2.36E-09	5.71E-08	1.26E-08	1.64E-08	2.60E-08	4.58E-09	3.25E-09	1.22E-07	6.46E-08	2.74E-08	3.22E-08	1.27E-08	6.46E-08	2.74E-08
3846	479363.09	3852877	2.49E-04	2.43E-04	2.40E-04	8.62E-08	2.60E-07	1.51E-07	1.47E-07	1.33E-07	6.08E-08	6.00E-08	2.88E-09	6.95E-08	1.53E-08	2.00E-08	3.17E-08	5.58E-09	3.96E-09	1.49E-07	7.86E-08	3.33E-08	3.92E-08	1.54E-08	7.86E-08	3.33E-08
3847	479863.09	3852877	3.44E-04	3.35E-04	3.31E-04	1.19E-07	3.59E-07	2.08E-07	2.03E-07	1.84E-07	8.39E-08	8.28E-08	3.97E-09	9.59E-08	2.12E-08	2.75E-08	4.37E-08	7.70E-09	5.46E-09	2.05E-07	1.08E-07	4.60E-08	5.41E-08	2.13E-08	1.08E-07	4.60E-08
3848	480363.09	3852877	4.73E-04	4.62E-04	4.56E-04	1.64E-07	4.95E-07	2.86E-07	2.79E-07	2.53E-07	1.16E-07	1.14E-07	5.47E-09	1.32E-07	2.92E-08	3.79E-08	6.02E-08	1.06E-08	7.52E-09	2.83E-07	1.49E-07	6.34E-08	7.46E-08	2.93E-08	1.49E-07	6.34E-08
3849	480863.09	3852877	5.85E-04	5.71E-04	5.63E-04	2.02E-07	6.11E-07	3.54E-07	3.45E-07	3.13E-07	1.43E-07	1.41E-07	6.76E-09	1.63E-07	3.60E-08	4.69E-08	7.44E-08	1.31E-08	9.30E-09	3.50E-07	1.85E-07	7.83E-08	9.22E-08	3.62E-08	1.85E-07	7.83E-08
3850	481363.09	3852877	7.92E-04	7.72E-04	7.62E-04	2.74E-07	8.27E-07	4.79E-07	4.67E-07	4.24E-07	1.93E-07	1.91E-07	9.15E-09	2.21E-07	4.88E-08	6.35E-08	1.01E-07	1.77E-08	1.26E-08	4.73E-07	2.50E-07	1.06E-07	1.25E-07	4.90E-08	2.50E-07	1.06E-07
3851	481863.09	3852877	1.33E-03	1.29E-03	1.28E-03	4.59E-07	1.39E-06	8.02E-07	7.82E-07	7.09E-07	3.24E-07	3.19E-07	1.53E-08	3.70E-07	8.16E-08	1.06E-07	1.69E-07	2.97E-08	2.11E-08	7.92E-07	4.18E-07	1.77E-07	2.09E-07	8.20E-08	4.18E-07	1.77E-07
3852	482363.09	3852877	9.09E-03	8.87E-03	8.75E-03	3.15E-06	9.50E-06	5.50E-06	5.37E-06	4.87E-06	2.22E-06	2.19E-06	1.05E-07	2.54E-06	5.60E-07	7.29E-07	1.16E-06	2.04E-07	1.45E-07	5.44E-06	2.87E-06	1.22E-06	1.43E-06	5.63E-07	2.87E-06	1.22E-06
3853	482863.09	3852877	3.90E-03	3.81E-03	3.76E-03	1.35E-06	4.08E-06	2.36E-06	2.30E-06	2.09E-06	9.53E-07	9.40E-07	4.51E-08	1.09E-06	2.40E-07	3.13E-07	4.96E-07	8.75E-08	6.20E-08	2.33E-06	1.23E-06	5.23E-07	6.15E-07	2.42E-07	1.23E-06	5.23E-07
3854	483363.09	3852877	1.65E-03	1.61E-03	1.59E-03	5.70E-07	1.72E-06	9.97E-07	9.72E-07	8.82E-07	4.02E-07	3.97E-07	1.90E-08	4.60E-07	1.01E-07	1.32E-07	2.09E-07	3.69E-08	2.62E-08	9.85E-07	5.20E-07	2.21E-07	2.59E-07	1.02E-07	5.20E-07	2.21E-07
3855	483863.09	3852877	9.59E-04	9.36E-04	9.23E-04	3.32E-07	1.00E-06	5.80E-07	5.66E-07	5.13E-07	2.34E-07	2.31E-07	1.11E-08	2.68E-07	5.91E-08	7.69E-08	1.22E-07	2.15E-08	1.52E-08	5.73E-07	3.03E-07	1.28E-07	1.51E-07	5.93E-08	3.03E-07	1.28E-07
3856	484363.09	3852877	8.63E-04	8.42E-04	8.31E-04	2.99E-07	9.02E-07	5.22E-07	5.10E-07	4.62E-07	2.11E-07	2.08E-07	9.98E-09	2.41E-07	5.32E-08	6.92E-08	1.10E-07	1.94E-08	1.37E-08	5.16E-07	2.72E-07	1.16E-07	1.36E-07	5.34E-08	2.72E-07	1.16E-07
3857	484863.09	3852877	7.79E-04	7.60E-04	7.50E-04	2.70E-07	8.14E-07	4.71E-07	4.60E-07	4.17E-07	1.90E-07	1.88E-07	9.00E-09	2.17E-07	4.80E-08	6.24E-08	9.90E-08	1.75E-08	1.24E-08	4.66E-07	2.46E-07	1.04E-07	1.23E-07	4.82E-08	2.46E-07	1.04E-07
3858	485363.09	3852877	6.15E-04	6.00E-04	5.92E-04	2.13E-07	6.43E-07	3.72E-07	3.63E-07	3.29E-07	1.50E-07	1.48E-07	7.11E-09	1.72E-07	3.79E-08	4.93E-08	7.82E-08	1.38E-08	9.78E-09	3.68E-07	1.94E-07	8.24E-08	9.69E-08	3.81E-08	1.94E-07	8.24E-08
3859	485863.09	3852877	5.41E-04	5.28E-04	5.21E-04	1.87E-07	5.65E-07	3.27E-07	3.19E-07	2.89E-07	1.32E-07	1.30E-07	6.25E-09	1.51E-07	3.33E-08	4.33E-08	6.87E-08	1.21E-08	8.59E-09	3.23E-07	1.71E-07	7.24E-08	8.52E-08	3.35E-08	1.71E-07	7.24E-08
3860	486363.09	3852877	4.80E-04	4.69E-04	4.63E-04	1.66E-07	5.02E-07	2.91E-07	2.84E-07	2.57E-07	1.17E-07	1.16E-07	5.55E-09	1.34E-07	2.96E-08	3.85E-08	6.11E-08	1.08E-08	7.64E-09	2.87E-07	1.52E-07	6.43E-08	7.57E-08	2.97E-08	1.52E-07	6.43E-08
3861	486863.09	3852877	4.46E-04	4.35E-04	4.29E-04	1.54E-07	4.66E-07	2.70E-07	2.63E-07	2.38E-07	1.09E-07	1.07E-07	5.15E-09	1.24E-07	2.75E-08	3.57E-08	5.67E-08	9.99E-09	7.08E-09	2.66E-07	1.41E-07	5.97E-08	7.02E-08	2.76E-08	1.41E-07	5.97E-08
3862	487363.09	3852877	4.07E-04	3.97E-04	3.92E-04	1.41E-07	4.25E-07	2.46E-07	2.40E-07	2.18E-07	9.94E-08	9.81E-08	4.70E-09	1.14E-07	2.51E-08	3.26E-08	5.18E-08	9.12E-09	6.47E-09	2.43E-07	1.28E-07	5.45E-08	6.41E-08	2.52E-08	1.28E-07	5.45E-08
3863	487863.09	3852877	3.79E-04	3.70E-04	3.65E-04	1.31E-07	3.96E-07	2.29E-07	2.24E-07	2.03E-07	9.25E-08	9.13E-08	4.38E-09	1.06E-07	2.33E-08	3.04E-08	4.82E-08	8.49E-09	6.02E-09	2.27E-07	1.20E-07	5.07E-08	5.97E-08	2.34E-08	1.20E-07	5.07E-08
3864	488363.09	3852877	3.17E-04	3.09E-04	3.05E-04	1.10E-07	3.31E-07	1.92E-07	1.87E-07	1.69E-07	7.73E-08	7.63E-08	3.66E-09	8.84E-08	1.95E-08	2.54E-08	4.03E-08	7.09E-09	5.03E-09	1.89E-07	9.99E-08	4.24E-08	4.99E-08	1.96E-08	9.99E-08	4.24E-08
3865	488863.09	3852877	3.15E-04	3.08E-04	3.04E-04	1.09E-07	3.30E-07	1.91E-07	1.86E-07	1.69E-07	7.70E-08	7.60E-08	3.64E-09	8.80E-08	1.94E-08	2.53E-08	4.01E-08	7.07E-09	5.01E-09	1.89E-07	9.95E-08	4.22E-08	4.97E-08	1.95E-08	9.95E-08	4.22E-08
3866	489363.09	3852877	3.07E-04	3.00E-04	2.96E-04	1.06E-07	3.21E-07	1.86E-07	1.81E-07	1.64E-07	7.50E-08	7.40E-08	3.55E-09	8.57E-08	1.89E-08	2.46E-08	3.90E-08	6.88E-09	4.88E-09	1.84E-07	9.69E-08	4.11E-08	4.84E-08	1.90E-08	9.69E-08	4.11E-08
3867	489863.09	3852877	2.99E-04	2.91E-04	2.88E-04	1.03E-07	3.12E-07	1.81E-07	1.76E-07	1.60E-07	7.30E-08	7.20E-08	3.45E-09	8.34E-08	1.84E-08	2.39E-08	3.80E-08	6.69E-09	4.75E-09	1.79E-07	9.43E-08	4.00E-08	4.71E-08	1.85E-08	9.43E-08	4.00E-08
3868	490363.09	3852877	3.22E-04	3.15E-04	3.10E-04	1.12E-07	3.37E-07	1.95E-07	1.90E-07	1.73E-07	7.87E-08	7.77E-08	3.73E-09	9.00E-08	1.99E-08	2.58E-08	4.10E-08	7.22E-09	5.12E-09	1.93E-07	1.02E-07	4.32E-08	5.08E-08	2.00E-08	1.02E-07	4.32E-08
3869	490863.09	3852877	3.24E-04	3.16E-04	3.12E-04	1.12E-07	3.39E-07	1.96E-07	1.91E-07	1.73E-07	7.91E-08	7.81E-08	3.75E-09	9.05E-08	2.00E-08	2.60E-08	4.12E-08	7.26E-09	5.15E-09	1.94E-07	1.02E-07	4.34E-08	5.10E-08	2.01E-08	1.02E-07	4.34E-08
3870	491363.09	3852877	3.24E-04	3.17E-04	3.12E-04	1.12E-07	3.39E-07	1.96E-07	1.92E-07	1.74E-07	7.92E-08	7.82E-08	3.75E-09	9.06E-08	2.00E-08	2.60E-08	4.13E-08	7.27E-09	5.16E-09	1.94E-07	1.02E-07	4.34E-08	5.11E-08	2.01E-08	1.02E-07	4.34E-08
3871	491863.09	3852877	3.19E-04	3.11E-04	3.07E-04	1.10E-07	3.33E-07	1.93E-07	1.88E-07	1.71E-07	7.78E-08	7.68E-08	3.68E-09	8.90E-08	1.96E-08	2.55E-08	4.05E-08	7.14E-09	5.06E-09	1.91E-07	1.01E-07	4.27E-08	5.02E-08	1.97E-08	1.01E-07	4.27E-08
3872	492363.09	3852877	3.15E-04	3.07E-04	3.03E-04	1.09E-07	3.29E-07	1.91E-07	1.86E-07	1.69E-07	7.69E-08	7.59E-08	3.64E-09	8.79E-08	1.94E-08	2.52E-08	4.00E-08	7.06E-09	5.01E-09	1.88E-07	9.94E-08	4.22E-08	4.96E-08	1.95E-08	9.94E-08	4.22E-08
3873	492863.09	3852877	3.17E-04	3.09E-04	3.05E-04	1.10E-07	3.31E-07	1.92E-07	1.87E-07	1.69E-07	7.73E-08	7.63E-08	3.66E-09	8.84E-08	1.95E-08	2.54E-08	4.03E-08	7.09E-09	5.03E-09	1.89E-07	9.99E-08	4.24E-08	4.99E-08	1.96E-08	9.99E-08	4.24E-08
3874	493363.09	3852877	3.14E-04	3.07E-04	3.03E-04	1.09E-07	3.29E-07	1.90E-07	1.86E-07	1.68E-07	7.68E-08	7.58E-08	3.64E-09	8.78E-08	1.94E-08	2.52E-08	4.00E-08	7.05E-09	5.00E-09	1.88E-07	9.93E-08	4.21E-08	4.95E-08	1.95E-08	9.93E-08	4.21E-08
3875	493863.09	3852877	3.05E-04	2.98E-04	2.94E-04	1.06E-07	3.19E-07	1.85E-07	1.80E-07	1.63E-07	7.46E-08	7.36E-08	3.53E-09	8.53E-08	1.88E-08	2.45E-08	3.88E-08	6.84E-09	4.85E-09	1.83E-07	9.64E-08	4.09E-08	4.81E-08	1.89E-08	9.64E-08	4.09E-08
3876	494363.09	3852877	2.98E-04	2.91E-04	2.87E-04	1.03E-07	3.11E-07	1.80E-07	1.76E-07	1.59E-07	7.27E-08	7.18E-08	3.44E-09	8.32E-08	1.84E-08	2.39E-08	3.79E-08	6.68E-09	4.73E-09	1.78E-07	9.40E-08	3.99E-08	4.69E-08	1.84E-08	9.40E-08	3.99E-08
3877	494863.09	3852877	2.93E-04	2.86E-04	2.82E-04	1.01E-07	3.06E-07	1.77E-07	1.73E-07	1.57E-07	7.15E-08	7.06E-08	3.39E-09	8.18E-08	1.80E-08	2.35E-08	3.72E-08	6.56E-09	4.66E-09	1.75E-07	9.24E-08	3.92E-08	4.61E-08	1.81E-08	9.24E-08	3.92E-08
3878	495363.09	3852877	2.81E-04	2.74E-04	2.70E-04	9.72E-08	2.94E-07	1.70E-07	1.66E-07	1.50E-07	6.86E-08	6.77E-08	3.25E-09	7.84E-08	1.73E-08	2.25E-08	3.57E-08	6.30E-09	4.46E-09	1.68E-07	8.86E-08	3.76E-08	4.42E-08	1.74E-08	8.86E-08	3.76E-08
3879	495863.09	3852877	2.70E-04	2.63E-04	2.60E-04	9.34E-08	2.82E-07	1.63E-07	1.59E-07	1.44E-07	6.59E-08	6.50E-08	3.12E-09	7.53E-08	1.66E-08	2.16E-08	3.43E-08	6.04E-09	4.29E-09	1.61E-07	8.51E-08	3.61E-08	4.25E-08	1.67E-08	8.51E-08	3.61E-08
3880	496363.09	3852877	2.64E-04	2.57E-04	2.54E-04	9.13E-08	2.76E-07	1.60E-07	1.56E-07	1.41E-07	6.44E-08	6.36E-08	3.05E-09	7.37E-08	1.63E-08	2.12E-08	3.36E-08	5.91E-09	4.19E-09	1.58E-07	8.33E-08	3.53E-08	4.16E-08	1.63E-08	8.33E-08	3.53E-08
3881	496863.09	3852877	2.55E-04	2.49E-04	2.46E-04	8.83E-08	2.67E-07	1.54E-07	1.51E-07	1.37E-07	6.23E-08	6.15E-08	2.95E-09	7.12E-08	1.57E-08	2.05E-08	3.24E-08	5.72E-09	4.06E-09	1.53E-07	8.05E-08	3.42E-08	4.02E-08	1.58E-08	8.05E-08	3.42E-08
3882	497363.09	3852877	2.36E-04	2.31E-04	2.28E-04	8.19E-08	2.47E-07	1.43E-07	1.40E-07	1.27E-07	5.78E-08	5.70E-08	2.73E-09	6.60E-08	1.46E-08	1.90E-08	3.01E-08	5.30E-09	3.76E-09	1.41E-07	7.46E-08	3.17E-08	3.73E-08	1.46E-08	7.46E-08	3.17E-08
3883	497863.09	3852877	2.07E-04	2.02E-04	2.00E-04	7.18E-08	2.17E-07	1.26E-07	1.22E-07	1.11E-07	5.07E-08	5.00E-08	2.40E-09	5.79E-08	1.28E-08	1.66E-08	2.64E-08	4.65E-09	3.30E-09	1.24E-07	6.55E-08	2.78E-08	3.27E-08	1.28E-08	6.55E-08	2.78E-08
3884	498363.09	3852877	2.01E-04	1.96E-04	1.93E-04	6.95E-08	2.10E-07	1.21E-07	1.19E-07	1.07E-07	4.90E-08	4.84E-08	2.32E-09	5.61E-08	1.24E-08	1.61E-08	2.55E-08	4.50E-09	3.19E-09	1.20E-07	6.34E-08	2.69E-08	3.16E-08	1.24E-08	6.34E-08	2.69E-08
3885	471363.09	3853377	1.30E-04	1.27E-04	1.25E-04	4.51E-08	1.36E-07	7.88E-08	7.69E-08	6.97E-08	3.18E-08	3.14E-08	1.51E-09	3.64E-08	8.03E-09	1.04E-08	1.66E-08	2.92E-09	2.07E-09	7.79E-08	4.11E-08	1.74E-08	2.05E-08	8.06E-09	4.11E-08	1.74E-08
3886	471863.09	3853377	1.36E-04	1.33E-04	1.31E-04	4.72E-08	1.43E-07	8.26E-08	8.06E-08	7.31E-08	3.33E-08	3.29E-08	1.58E-09	3.81E-08	8.41E-09	1.09E-08	1.74E-08	3.06E-09	2.17E-09	8.16E-08	4.31E-08	1.83E-08	2.15E-08	8.45E-09	4.31E-08	1.83E-08
3887	472363.09	3853377	1.42E-04	1.39E-04	1.37E-04	4.93E-08	1.49E-07	8.61E-08	8.40E-08	7.62E-08	3.48E-08	3.43E-08	1.64E-09	3.97E-08	8.77E-09	1.14E-08	1.81E-08	3.19E-09	2.26E-09	8.51E-08	4.49E-08	1.91E-08	2.24E-08	8.81E-09	4.49E-08	1.91E-08
3888	472863.09	3853377	1.49E-04	1.45E-04	1.43E-04	5.14E-08	1.55E-07	8.99E-08	8.77E-08	7.95E-08	3.63E-08	3.58E-08	1.72E-09	4.15E-08	9.15E-09	1.19E-08	1.89E-08	3.33E-09	2.36E-09	8.88E-08	4.69E-08	1.99E-08	2.34E-08	9.19E-09	4.69E-08	1.99E-08
3889	473363.09	3853377	1.54E-04	1.50E-04	1.48E-04	5.33E-08	1.61E-07	9.31E-08	9.09E-08	8.24E-08	3.76E-08	3.71E-08	1.78E-09	4.30E-08	9.48E-09	1.23E-08	1.96E-08	3.45E-09	2.45E-09	9.20E-08	4.86E-08	2.06E-08	2.42E-08	9.53E-09	4.86E-08	2.06E-08
3890	473863.09	3853377	1.60E-04	1.56E-04	1.54E-04	5.53E-08	1.67E-07	9.66E-08	9.43E-08	8.55E-08	3.90E-08	3.85E-08	1.85E-09	4.46E-08	9.84E-09	1.28E-08	2.03E-08	3.58E-09	2.54E-09	9.55E-08	5.04E-08	2.14E-08	2.52E-08	9.89E-09	5.04E-08	2.14E-08
3891	474363.09	3853377	1.65E-04	1.61E-04	1.59E-04	5.72E-08	1.73E-07	9.99E-08	9.75E-08	8.84E-08	4.03E-08	3.98E-08	1.91E-09	4.61E-08	1.02E-08	1.32E-08	2.10E-08	3.70E-09	2.62E-09	9.87E-08	5.21E-08	2.21E-08	2.60E-08	1.02E-08	5.21E-08	2.21E-08
3892	474863.09	3853377	1.66E-04	1.62E-04	1.59E-04	5.73E-08	1.73E-07	1.00E-07	9.77E-08	8.86E-08	4.04E-08	3.99E-08	1.91E-09	4.62E-08	1.02E-08	1.33E-08	2.11E-08	3.71E-09	2.63E-09	9.90E-08	5.22E-08	2.22E-08	2.61E-08	1.02E-08	5.22E-08	2.22E-08
3893	475363.09	3853377	1.70E-04	1.66E-04	1.63E-04	5.87E-08	1.77E-07	1.03E-07	1.00E-07	9.08E-08	4.14E-08	4.09E-08	1.96E-09	4.74E-08	1.05E-08	1.36E-08	2.16E-08	3.80E-09	2.70E-09	1.01E-07	5.36E-08	2.27E-08	2.67E-08	1.05E-08	5.36E-08	2.27E-08
3894	475863.09	3853377	1.74E-04	1.70E-04	1.68E-04	6.03E-08	1.82E-07	1.05E-07	1.03E-07	9.33E-08	4.26E-08	4.20E-08	2.01E-09	4.87E-08	1.07E-08	1.40E-08	2.22E-08	3.91E-09	2.77E-09	1.04E-07	5.50E-08	2.33E-08	2.75E-08	1.08E-08	5.50E-08	2.33E-08
3895	476363.09	3853377	1.73E-04	1.68E-04	1.66E-04	5.97E-08	1.80E-07	1.04E-07	1.02E-07	9.24E-08	4.21E-08	4.16E-08	2.00E-09	4.82E-08	1.06E-08	1.38E-08	2.19E-08	3.87E-09	2.74E-09	1.03E-07	5.45E-08	2.31E-08	2.72E-08	1.07E-08	5.45E-08	2.31E-08
3896	476863.09	3853377	1.66E-04	1.62E-04	1.60E-04	5.76E-08	1.74E-07	1.01E-07	9.82E-08	8.90E-08	4.06E-08	4.01E-08	1.92E-09	4.65E-08	1.03E-08	1.33E-08	2.12E-08	3.73E-09	2.64E-09	9.95E-08	5.25E-08	2.23E-08	2.62E-08	1.03E-08	5.25E-08	2.23E-08
3897	477363.09	3853377	1.71E-04	1.66E-04	1.64E-04	5.90E-08	1.78E-07	1.03E-07	1.01E-07	9.13E-08	4.16E-08	4.11E-08	1.97E-09	4.76E-08	1.05E-08	1.37E-08	2.17E-08	3.82E-09	2.71E-09	1.02E-07	5.38E-08	2.28E-08	2.69E-08	1.06E-08	5.38E-08	2.28E-08
3898	477863.09	3853377	1.75E-04	1.71E-04	1.69E-04	6.07E-08	1.83E-07	1.06E-07	1.04E-07	9.39E-08	4.29E-08	4.23E-08	2.03E-09	4.90E-08	1.08E-08	1.41E-08	2.23E-08	3.93E-09	2.79E-09	1.05E-07	5.54E-08	2.35E-08	2.76E-08	1.09E-08	5.54E-08	2.35E-08
3899	478363.09	3853377	1.70E-04	1.66E-04	1.63E-04	5.87E-08	1.77E-07	1.03E-07	1.00E-07	9.08E-08	4.14E-08	4.09E-08	1.96E-09	4.74E-08	1.05E-08	1.36E-08	2.16E-08	3.80E-09	2.70E-09	1.01E-07	5.36E-08	2.27E-08	2.67E-08	1.05E-08	5.36E-08	2.27E-08
3900	478863.09	3853377	1.63E-04	1.59E-04	1.57E-04	5.64E-08	1.70E-07	9.87E-08	9.63E-08	8.73E-08	3.98E-08	3.93E-08	1.88E-09	4.55E-08	1.00E-08	1.31E-08	2.07E-08	3.65E-09	2.59E-09	9.75E-08	5.15E-08	2.18E-08	2.57E-08	1.01E-08	5.15E-08	2.18E-08
3901	479363.09	3853377	2.03E-04	1.98E-04	1.95E-04	7.02E-08	2.12E-07	1.23E-07	1.20E-07	1.09E-07	4.95E-08	4.89E-08	2.35E-09	5.66E-08	1.25E-08	1.63E-08	2.58E-08	4.55E-09	3.22E-09	1.21E-07	6.40E-08	2.72E-08	3.20E-08	1.26E-08	6.40E-08	2.72E-08
3902	479863.09	3853377	2.55E-04	2.49E-04	2.45E-04	8.82E-08	2.66E-07	1.54E-07	1.50E-07	1.36E-07	6.22E-08	6.14E-08	2.94E-09	7.11E-08	1.57E-08	2.04E-08	3.24E-08	5.71E-09	4.05E-09	1.52E-07	8.04E-08	3.41E-08	4.01E-08	1.58E-08	8.04E-08	3.41E-08
3903	480363.09	3853377	3.52E-04	3.43E-04	3.39E-04	1.22E-07	3.68E-07	2.13E-07	2.08E-07	1.88E-07	8.59E-08	8.48E-08	4.07E-09	9.82E-08	2.17E-08	2.82E-08	4.47E-08	7.89E-09	5.59E-09	2.10E-07	1.11E-07	4.71E-08	5.54E-08	2.18E-08	1.11E-07	4.71E-08
3904	480863.09	3853377	3.77E-04	3.68E-04	3.63E-04	1.30E-07	3.94E-07	2.28E-07	2.22E-07	2.02E-07	9.20E-08	9.08E-08	4.35E-09	1.05E-07	2.32E-08	3.02E-08	4.79E-08	8.44E-09	5.99E-09	2.25E-07	1.19E-07	5.04E-08	5.93E-08	2.33E-08	1.19E-07	5.04E-08
3905	481363.09	3853377	5.42E-04	5.29E-04	5.22E-04	1.88E-07	5.66E-07	3.28E-07	3.20E-07	2.90E-07	1.32E-07	1.31E-07	6.26E-09	1.51E-07	3.34E-08	4.34E-08	6.89E-08	1.21E-08	8.61E-09	3.24E-07	1.71E-07	7.26E-08	8.54E-08	3.35E-08	1.71E-07	7.26E-08
3906	481863.09	3853377	8.42E-04	8.22E-04	8.11E-04	2.92E-07	8.80E-07	5.10E-07	4.97E-07	4.51E-07	2.06E-07	2.03E-07	9.74E-09	2.35E-07	5.19E-08	6.75E-08	1.07E-07	1.89E-08	1.34E-08	5.04E-07	2.66E-07	1.13E-07	1.33E-07	5.21E-08	2.66E-07	1.13E-07
3907	482363.09	3853377	1.64E-03	1.60E-03	1.58E-03	5.69E-07	1.72E-06	9.95E-07	9.71E-07	8.80E-07	4.02E-07	3.96E-07	1.90E-08	4.59E-07	1.01E-07	1.32E-07	2.09E-07	3.69E-08	2.61E-08	9.84E-07	5.19E-07	2.20E-07	2.59E-07	1.02E-07	5.19E-07	2.20E-07
3908	482863.09	3853377	1.13E-02	1.10E-02	1.08E-02	3.90E-06	1.18E-05	6.82E-06	6.65E-06	6.03E-06	2.75E-06	2.72E-06	1.30E-07	3.15E-06	6.94E-07	9.03E-07	1.43E-06	2.53E-07	1.79E-07	6.74E-06	3.56E-06	1.51E-06	1.77E-06	6.97E-07	3.56E-06	1.51E-06
3909	483363.09	3853377	2.19E-03	2.13E-03	2.11E-03	7.57E-07	2.29E-06	1.32E-06	1.29E-06	1.17E-06	5.34E-07	5.27E-07	2.53E-08	6.11E-07	1.35E-07	1.75E-07	2.78E-07	4.90E-08	3.48E-08	1.31E-06	6.90E-07	2.93E-07	3.45E-07	1.35E-07	6.90E-07	2.93E-07
3910	483863.09	3853377	1.30E-03	1.27E-03	1.25E-03	4.51E-07	1.36E-06	7.88E-07	7.69E-07	6.97E-07	3.18E-07	3.14E-07	1.51E-08	3.64E-07	8.02E-08	1.04E-07	1.66E-07	2.92E-08	2.07E-08	7.79E-07	4.11E-07	1.74E-07	2.05E-07	8.06E-08	4.11E-07	1.74E-07
3911	484363.09	3853377	1.01E-03	9.85E-04	9.72E-04	3.50E-07	1.06E-06	6.11E-07	5.96E-07	5.40E-07	2.47E-07	2.43E-07	1.17E-08	2.82E-07	6.22E-08	8.10E-08	1.28E-07	2.26E-08	1.61E-08	6.04E-07	3.19E-07	1.35E-07	1.59E-07	6.25E-08	3.19E-07	1.35E-07
3912	484863.09	3853377	7.48E-04	7.30E-04	7.21E-04	2.59E-07	7.82E-07	4.53E-07	4.42E-07	4.01E-07	1.83E-07	1.80E-07	8.65E-09	2.09E-07	4.61E-08	6.00E-08	9.52E-08	1.68E-08	1.19E-08	4.48E-07	2.36E-07	1.00E-07	1.18E-07	4.63E-08	2.36E-07	1.00E-07
3913	485363.09	3853377	5.74E-04	5.60E-04	5.53E-04	1.99E-07	6.00E-07	3.47E-07	3.39E-07	3.07E-07	1.40E-07	1.38E-07	6.64E-09	1.60E-07	3.54E-08	4.60E-08	7.30E-08	1.29E-08	9.13E-09	3.43E-07	1.81E-07	7.69E-08	9.05E-08	3.55E-08	1.81E-07	7.69E-08
3914	485863.09	3853377	4.80E-04	4.69E-04	4.63E-04	1.66E-07	5.02E-07	2.91E-07	2.84E-07	2.57E-07	1.17E-07	1.16E-07	5.55E-09	1.34E-07	2.96E-08	3.85E-08	6.11E-08	1.08E-08	7.64E-09	2.87E-07	1.52E-07	6.43E-08	7.57E-08	2.97E-08	1.52E-07	6.43E-08
3915	486363.09	3853377	4.59E-04	4.48E-04	4.42E-04	1.59E-07	4.80E-07	2.78E-07	2.71E-07	2.46E-07	1.12E-07	1.11E-07	5.31E-09	1.28E-07	2.83E-08	3.68E-08	5.84E-08	1.03E-08	7.30E-09	2.75E-07	1.45E-07	6.15E-08	7.24E-08	2.84E-08	1.45E-07	6.15E-08

3916	486863.09	3853377	4.35E-04	4.24E-04	4.19E-04	1.51E-07	4.54E-07	2.63E-07	2.57E-07	2.33E-07	1.06E-07	1.05E-07	5.03E-09	1.21E-07	2.68E-08	3.49E-08	5.53E-08	9.74E-09	6.91E-09	2.60E-07	1.37E-07	5.82E-08	6.85E-08	2.69E-08	1.37E-07	5.82E-08
3917	487363.09	3853377	4.24E-04	4.14E-04	4.09E-04	1.47E-07	4.44E-07	2.57E-07	2.51E-07	2.27E-07	1.04E-07	1.02E-07	4.91E-09	1.19E-07	2.61E-08	3.40E-08	5.40E-08	9.51E-09	6.75E-09	2.54E-07	1.34E-07	5.68E-08	6.69E-08	2.63E-08	1.34E-07	5.68E-08
3918	487863.09	3853377	4.11E-04	4.01E-04	3.96E-04	1.42E-07	4.30E-07	2.49E-07	2.43E-07	2.20E-07	1.00E-07	9.91E-08	4.75E-09	1.15E-07	2.53E-08	3.30E-08	5.23E-08	9.21E-09	6.54E-09	2.46E-07	1.30E-07	5.51E-08	6.48E-08	2.54E-08	1.30E-07	5.51E-08
3919	488363.09	3853377	4.03E-04	3.94E-04	3.88E-04	1.40E-07	4.21E-07	2.44E-07	2.38E-07	2.16E-07	9.85E-08	9.72E-08	4.66E-09	1.13E-07	2.48E-08	3.23E-08	5.13E-08	9.04E-09	6.41E-09	2.41E-07	1.27E-07	5.40E-08	6.35E-08	2.50E-08	1.27E-07	5.40E-08
3920	488863.09	3853377	3.87E-04	3.78E-04	3.73E-04	1.34E-07	4.05E-07	2.34E-07	2.29E-07	2.07E-07	9.46E-08	9.34E-08	4.48E-09	1.08E-07	2.39E-08	3.11E-08	4.93E-08	8.68E-09	6.16E-09	2.32E-07	1.22E-07	5.19E-08	6.10E-08	2.40E-08	1.22E-07	5.19E-08
3921	489363.09	3853377	3.74E-04	3.65E-04	3.60E-04	1.29E-07	3.91E-07	2.26E-07	2.21E-07	2.00E-07	9.13E-08	9.01E-08	4.32E-09	1.04E-07	2.30E-08	3.00E-08	4.75E-08	8.38E-09	5.94E-09	2.24E-07	1.18E-07	5.01E-08	5.89E-08	2.31E-08	1.18E-07	5.01E-08
3922	489863.09	3853377	3.58E-04	3.49E-04	3.45E-04	1.24E-07	3.74E-07	2.17E-07	2.11E-07	1.92E-07	8.74E-08	8.63E-08	4.14E-09	1.00E-07	2.21E-08	2.87E-08	4.55E-08	8.02E-09	5.69E-09	2.14E-07	1.13E-07	4.79E-08	5.64E-08	2.22E-08	1.13E-07	4.79E-08
3923	490363.09	3853377	3.57E-04	3.49E-04	3.44E-04	1.24E-07	3.73E-07	2.16E-07	2.11E-07	1.91E-07	8.72E-08	8.61E-08	4.13E-09	9.97E-08	2.20E-08	2.86E-08	4.54E-08	8.01E-09	5.68E-09	2.14E-07	1.13E-07	4.78E-08	5.63E-08	2.21E-08	1.13E-07	4.78E-08
3924	490863.09	3853377	3.53E-04	3.44E-04	3.40E-04	1.22E-07	3.69E-07	2.13E-07	2.08E-07	1.89E-07	8.61E-08	8.50E-08	4.08E-09	9.85E-08	2.17E-08	2.83E-08	4.48E-08	7.90E-09	5.61E-09	2.11E-07	1.11E-07	4.72E-08	5.56E-08	2.18E-08	1.11E-07	4.72E-08
3925	491363.09	3853377	3.48E-04	3.39E-04	3.35E-04	1.20E-07	3.63E-07	2.10E-07	2.05E-07	1.86E-07	8.49E-08	8.38E-08	4.02E-09	9.71E-08	2.14E-08	2.79E-08	4.42E-08	7.79E-09	5.53E-09	2.08E-07	1.10E-07	4.66E-08	5.48E-08	2.15E-08	1.10E-07	4.66E-08
3926	491863.09	3853377	3.41E-04	3.33E-04	3.29E-04	1.18E-07	3.57E-07	2.07E-07	2.02E-07	1.83E-07	8.34E-08	8.23E-08	3.95E-09	9.53E-08	2.10E-08	2.74E-08	4.34E-08	7.65E-09	5.43E-09	2.04E-07	1.08E-07	4.57E-08	5.38E-08	2.11E-08	1.08E-07	4.57E-08
3927	492363.09	3853377	3.40E-04	3.32E-04	3.28E-04	1.18E-07	3.56E-07	2.06E-07	2.01E-07	1.82E-07	8.31E-08	8.20E-08	3.93E-09	9.50E-08	2.10E-08	2.73E-08	4.33E-08	7.62E-09	5.41E-09	2.03E-07	1.07E-07	4.56E-08	5.36E-08	2.11E-08	1.07E-07	4.56E-08
3928	492863.09	3853377	3.39E-04	3.30E-04	3.26E-04	1.17E-07	3.54E-07	2.05E-07	2.00E-07	1.81E-07	8.27E-08	8.16E-08	3.91E-09	9.45E-08	2.09E-08	2.71E-08	4.31E-08	7.59E-09	5.38E-09	2.02E-07	1.07E-07	4.53E-08	5.33E-08	2.10E-08	1.07E-07	4.53E-08
3929	493363.09	3853377	3.32E-04	3.24E-04	3.20E-04	1.15E-07	3.47E-07	2.01E-07	1.96E-07	1.78E-07	8.12E-08	8.01E-08	3.84E-09	9.28E-08	2.05E-08	2.66E-08	4.23E-08	7.45E-09	5.28E-09	1.99E-07	1.05E-07	4.45E-08	5.24E-08	2.06E-08	1.05E-07	4.45E-08
3930	493863.09	3853377	3.25E-04	3.17E-04	3.13E-04	1.12E-07	3.40E-07	1.97E-07	1.92E-07	1.74E-07	7.93E-08	7.83E-08	3.76E-09	9.07E-08	2.00E-08	2.60E-08	4.13E-08	7.28E-09	5.16E-09	1.94E-07	1.03E-07	4.35E-08	5.12E-08	2.01E-08	1.03E-07	4.35E-08
3931	494363.09	3853377	3.13E-04	3.06E-04	3.02E-04	1.08E-07	3.27E-07	1.90E-07	1.85E-07	1.68E-07	7.65E-08	7.55E-08	3.62E-09	8.75E-08	1.93E-08	2.51E-08	3.98E-08	7.02E-09	4.98E-09	1.87E-07	9.89E-08	4.19E-08	4.93E-08	1.94E-08	9.89E-08	4.19E-08
3932	494863.09	3853377	3.00E-04	2.93E-04	2.89E-04	1.04E-07	3.14E-07	1.82E-07	1.77E-07	1.61E-07	7.34E-08	7.24E-08	3.47E-09	8.39E-08	1.85E-08	2.41E-08	3.82E-08	6.73E-09	4.77E-09	1.80E-07	9.48E-08	4.02E-08	4.73E-08	1.86E-08	9.48E-08	4.02E-08
3933	495363.09	3853377	2.92E-04	2.85E-04	2.82E-04	1.01E-07	3.06E-07	1.77E-07	1.73E-07	1.57E-07	7.14E-08	7.05E-08	3.38E-09	8.17E-08	1.80E-08	2.34E-08	3.72E-08	6.56E-09	4.65E-09	1.75E-07	9.23E-08	3.92E-08	4.61E-08	1.81E-08	9.23E-08	3.92E-08
3934	495863.09	3853377	2.82E-04	2.75E-04	2.71E-04	9.75E-08	2.94E-07	1.70E-07	1.66E-07	1.51E-07	6.88E-08	6.79E-08	3.26E-09	7.87E-08	1.74E-08	2.26E-08	3.58E-08	6.31E-09	4.48E-09	1.68E-07	8.89E-08	3.77E-08	4.44E-08	1.74E-08	8.89E-08	3.77E-08
3935	496363.09	3853377	2.68E-04	2.62E-04	2.58E-04	9.29E-08	2.81E-07	1.62E-07	1.58E-07	1.44E-07	6.56E-08	6.47E-08	3.10E-09	7.49E-08	1.65E-08	2.15E-08	3.41E-08	6.02E-09	4.27E-09	1.61E-07	8.47E-08	3.59E-08	4.23E-08	1.66E-08	8.47E-08	3.59E-08
3936	496863.09	3853377	2.51E-04	2.45E-04	2.41E-04	8.67E-08	2.62E-07	1.52E-07	1.48E-07	1.34E-07	6.12E-08	6.04E-08	2.90E-09	7.00E-08	1.54E-08	2.01E-08	3.19E-08	5.62E-09	3.98E-09	1.50E-07	7.91E-08	3.36E-08	3.95E-08	1.55E-08	7.91E-08	3.36E-08
3937	497363.09	3853377	2.29E-04	2.23E-04	2.21E-04	7.93E-08	2.39E-07	1.39E-07	1.35E-07	1.23E-07	5.59E-08	5.52E-08	2.65E-09	6.39E-08	1.41E-08	1.84E-08	2.91E-08	5.13E-09	3.64E-09	1.37E-07	7.23E-08	3.07E-08	3.61E-08	1.42E-08	7.23E-08	3.07E-08
3938	497863.09	3853377	1.93E-04	1.88E-04	1.85E-04	6.66E-08	2.01E-07	1.16E-07	1.14E-07	1.03E-07	4.70E-08	4.64E-08	2.23E-09	5.38E-08	1.19E-08	1.54E-08	2.45E-08	4.31E-09	3.06E-09	1.15E-07	6.08E-08	2.58E-08	3.03E-08	1.19E-08	6.08E-08	2.58E-08
3939	498363.09	3853377	1.75E-04	1.70E-04	1.68E-04	6.05E-08	1.83E-07	1.06E-07	1.03E-07	9.35E-08	4.27E-08	4.21E-08	2.02E-09	4.88E-08	1.08E-08	1.40E-08	2.22E-08	3.91E-09	2.78E-09	1.04E-07	5.51E-08	2.34E-08	2.75E-08	1.08E-08	5.51E-08	2.34E-08
3940	471363.09	3853877	1.25E-04	1.22E-04	1.21E-04	4.34E-08	1.31E-07	7.58E-08	7.40E-08	6.71E-08	3.06E-08	3.02E-08	1.45E-09	3.50E-08	7.72E-09	1.00E-08	1.59E-08	2.81E-09	1.99E-09	7.49E-08	3.95E-08	1.68E-08	1.97E-08	7.75E-09	3.95E-08	1.68E-08
3941	471863.09	3853877	1.32E-04	1.28E-04	1.27E-04	4.55E-08	1.37E-07	7.96E-08	7.77E-08	7.04E-08	3.21E-08	3.17E-08	1.52E-09	3.67E-08	8.10E-09	1.05E-08	1.67E-08	2.95E-09	2.09E-09	7.87E-08	4.15E-08	1.76E-08	2.07E-08	8.14E-09	4.15E-08	1.76E-08
3942	472363.09	3853877	1.36E-04	1.32E-04	1.31E-04	4.70E-08	1.42E-07	8.21E-08	8.01E-08	7.26E-08	3.31E-08	3.27E-08	1.57E-09	3.79E-08	8.36E-09	1.09E-08	1.73E-08	3.04E-09	2.16E-09	8.11E-08	4.28E-08	1.82E-08	2.14E-08	8.40E-09	4.28E-08	1.82E-08
3943	472863.09	3853877	1.41E-04	1.38E-04	1.36E-04	4.88E-08	1.47E-07	8.54E-08	8.33E-08	7.55E-08	3.44E-08	3.40E-08	1.63E-09	3.94E-08	8.69E-09	1.13E-08	1.79E-08	3.16E-09	2.24E-09	8.44E-08	4.45E-08	1.89E-08	2.22E-08	8.73E-09	4.45E-08	1.89E-08
3944	473363.09	3853877	1.44E-04	1.41E-04	1.39E-04	5.00E-08	1.51E-07	8.74E-08	8.52E-08	7.73E-08	3.53E-08	3.48E-08	1.67E-09	4.03E-08	8.90E-09	1.16E-08	1.84E-08	3.24E-09	2.29E-09	8.63E-08	4.56E-08	1.93E-08	2.27E-08	8.94E-09	4.56E-08	1.93E-08
3945	473863.09	3853877	1.48E-04	1.45E-04	1.43E-04	5.13E-08	1.55E-07	8.96E-08	8.75E-08	7.93E-08	3.62E-08	3.57E-08	1.71E-09	4.14E-08	9.13E-09	1.19E-08	1.88E-08	3.32E-09	2.35E-09	8.86E-08	4.67E-08	1.98E-08	2.33E-08	9.17E-09	4.67E-08	1.98E-08
3946	474363.09	3853877	1.53E-04	1.49E-04	1.47E-04	5.30E-08	1.60E-07	9.26E-08	9.04E-08	8.19E-08	3.74E-08	3.69E-08	1.77E-09	4.27E-08	9.43E-09	1.23E-08	1.95E-08	3.43E-09	2.43E-09	9.16E-08	4.83E-08	2.05E-08	2.41E-08	9.47E-09	4.83E-08	2.05E-08
3947	474863.09	3853877	1.57E-04	1.53E-04	1.51E-04	5.43E-08	1.64E-07	9.49E-08	9.26E-08	8.39E-08	3.83E-08	3.78E-08	1.81E-09	4.38E-08	9.66E-09	1.26E-08	1.99E-08	3.51E-09	2.49E-09	9.38E-08	4.95E-08	2.10E-08	2.47E-08	9.71E-09	4.95E-08	2.10E-08
3948	475363.09	3853877	1.56E-04	1.52E-04	1.50E-04	5.40E-08	1.63E-07	9.44E-08	9.21E-08	8.35E-08	3.81E-08	3.76E-08	1.80E-09	4.36E-08	9.61E-09	1.25E-08	1.98E-08	3.50E-09	2.48E-09	9.33E-08	4.92E-08	2.09E-08	2.46E-08	9.65E-09	4.92E-08	2.09E-08
3949	475863.09	3853877	1.50E-04	1.47E-04	1.45E-04	5.20E-08	1.57E-07	9.09E-08	8.87E-08	8.04E-08	3.67E-08	3.62E-08	1.74E-09	4.19E-08	9.25E-09	1.20E-08	1.91E-08	3.37E-09	2.39E-09	8.98E-08	4.74E-08	2.01E-08	2.37E-08	9.29E-09	4.74E-08	2.01E-08
3950	476363.09	3853877	1.46E-04	1.42E-04	1.40E-04	5.04E-08	1.52E-07	8.81E-08	8.60E-08	7.79E-08	3.56E-08	3.51E-08	1.68E-09	4.07E-08	8.97E-09	1.17E-08	1.85E-08	3.26E-09	2.31E-09	8.71E-08	4.60E-08	1.95E-08	2.29E-08	9.01E-09	4.60E-08	1.95E-08
3951	476863.09	3853877	1.39E-04	1.36E-04	1.34E-04	4.81E-08	1.45E-07	8.41E-08	8.21E-08	7.44E-08	3.39E-08	3.35E-08	1.61E-09	3.88E-08	8.56E-09	1.11E-08	1.77E-08	3.11E-09	2.21E-09	8.31E-08	4.39E-08	1.86E-08	2.19E-08	8.60E-09	4.39E-08	1.86E-08
3952	477363.09	3853877	1.48E-04	1.44E-04	1.42E-04	5.11E-08	1.54E-07	8.94E-08	8.72E-08	7.91E-08	3.61E-08	3.56E-08	1.71E-09	4.12E-08	9.10E-09	1.18E-08	1.88E-08	3.31E-09	2.35E-09	8.83E-08	4.66E-08	1.98E-08	2.33E-08	9.14E-09	4.66E-08	1.98E-08
3953	477863.09	3853877	1.58E-04	1.54E-04	1.52E-04	5.47E-08	1.65E-07	9.56E-08	9.33E-08	8.46E-08	3.86E-08	3.81E-08	1.83E-09	4.41E-08	9.74E-09	1.27E-08	2.01E-08	3.54E-09	2.51E-09	9.45E-08	4.99E-08	2.12E-08	2.49E-08	9.78E-09	4.99E-08	2.12E-08
3954	478363.09	3853877	1.63E-04	1.60E-04	1.57E-04	5.66E-08	1.71E-07	9.89E-08	9.65E-08	8.75E-08	3.99E-08	3.94E-08	1.89E-09	4.56E-08	1.01E-08	1.31E-08	2.08E-08	3.66E-09	2.60E-09	9.78E-08	5.16E-08	2.19E-08	2.58E-08	1.01E-08	5.16E-08	2.19E-08
3955	478863.09	3853877	1.51E-04	1.47E-04	1.45E-04	5.21E-08	1.57E-07	9.11E-08	8.89E-08	8.06E-08	3.68E-08	3.63E-08	1.74E-09	4.21E-08	9.28E-09	1.21E-08	1.92E-08	3.38E-09	2.39E-09	9.01E-08	4.75E-08	2.02E-08	2.37E-08	9.32E-09	4.75E-08	2.02E-08
3956	479363.09	3853877	1.71E-04	1.67E-04	1.65E-04	5.93E-08	1.79E-07	1.04E-07	1.01E-07	9.17E-08	4.18E-08	4.13E-08	1.98E-09	4.78E-08	1.06E-08	1.37E-08	2.18E-08	3.84E-09	2.72E-09	1.02E-07	5.41E-08	2.29E-08	2.70E-08	1.06E-08	5.41E-08	2.29E-08
3957	479863.09	3853877	2.23E-04	2.17E-04	2.15E-04	7.71E-08	2.33E-07	1.35E-07	1.32E-07	1.19E-07	5.44E-08	5.37E-08	2.58E-09	6.22E-08	1.37E-08	1.79E-08	2.83E-08	4.99E-09	3.54E-09	1.33E-07	7.03E-08	2.98E-08	3.51E-08	1.38E-08	7.03E-08	2.98E-08
3958	480363.09	3853877	2.77E-04	2.70E-04	2.67E-04	9.59E-08	2.90E-07	1.68E-07	1.64E-07	1.48E-07	6.77E-08	6.68E-08	3.20E-09	7.74E-08	1.71E-08	2.22E-08	3.52E-08	6.21E-09	4.41E-09	1.66E-07	8.75E-08	3.71E-08	4.37E-08	1.72E-08	8.75E-08	3.71E-08
3959	480863.09	3853877	3.75E-04	3.66E-04	3.61E-04	1.30E-07	3.92E-07	2.27E-07	2.21E-07	2.01E-07	9.15E-08	9.03E-08	4.33E-09	1.05E-07	2.31E-08	3.00E-08	4.76E-08	8.40E-09	5.95E-09	2.24E-07	1.18E-07	5.02E-08	5.90E-08	2.32E-08	1.18E-07	5.02E-08
3960	481363.09	3853877	4.82E-04	4.70E-04	4.64E-04	1.67E-07	5.03E-07	2.91E-07	2.84E-07	2.58E-07	1.18E-07	1.16E-07	5.57E-09	1.34E-07	2.97E-08	3.86E-08	6.13E-08	1.08E-08	7.66E-09	2.88E-07	1.52E-07	6.45E-08	7.59E-08	2.98E-08	1.52E-07	6.45E-08
3961	481863.09	3853877	6.91E-04	6.74E-04	6.65E-04	2.39E-07	7.22E-07	4.18E-07	4.08E-07	3.70E-07	1.69E-07	1.66E-07	7.98E-09	1.93E-07	4.26E-08	5.54E-08	8.78E-08	1.55E-08	1.10E-08	4.13E-07	2.18E-07	9.25E-08	1.09E-07	4.28E-08	2.18E-07	9.25E-08
3962	482363.09	3853877	1.17E-03	1.14E-03	1.13E-03	4.06E-07	1.23E-06	7.10E-07	6.93E-07	6.28E-07	2.87E-07	2.83E-07	1.36E-08	3.28E-07	7.23E-08	9.41E-08	1.49E-07	2.63E-08	1.86E-08	7.02E-07	3.70E-07	1.57E-07	1.85E-07	7.26E-08	3.70E-07	1.57E-07
3963	482863.09	3853877	1.43E-02	1.39E-02	1.37E-02	4.94E-06	1.49E-05	8.63E-06	8.43E-06	7.64E-06	3.48E-06	3.44E-06	1.65E-07	3.98E-06	8.79E-07	1.14E-06	1.81E-06	3.20E-07	2.27E-07	8.53E-06	4.50E-06	1.91E-06	2.25E-06	8.83E-07	4.50E-06	1.91E-06
3964	483363.09	3853877	3.12E-03	3.05E-03	3.01E-03	1.08E-06	3.26E-06	1.89E-06	1.84E-06	1.67E-06	7.63E-07	7.53E-07	3.61E-08	8.72E-07	1.92E-07	2.50E-07	3.97E-07	7.00E-08	4.97E-08	1.87E-06	9.86E-07	4.18E-07	4.92E-07	1.93E-07	9.86E-07	4.18E-07
3965	483863.09	3853877	1.75E-03	1.70E-03	1.68E-03	6.04E-07	1.82E-06	1.06E-06	1.03E-06	9.34E-07	4.26E-07	4.21E-07	2.02E-08	4.87E-07	1.08E-07	1.40E-07	2.22E-07	3.91E-08	2.77E-08	1.04E-06	5.51E-07	2.34E-07	2.75E-07	1.08E-07	5.51E-07	2.34E-07
3966	484363.09	3853877	1.16E-03	1.13E-03	1.12E-03	4.02E-07	1.22E-06	7.03E-07	6.86E-07	6.22E-07	2.84E-07	2.80E-07	1.34E-08	3.25E-07	7.16E-08	9.32E-08	1.48E-07	2.61E-08	1.85E-08	6.95E-07	3.67E-07	1.56E-07	1.83E-07	7.19E-08	3.67E-07	1.56E-07
3967	484863.09	3853877	8.29E-04	8.09E-04	7.98E-04	2.87E-07	8.66E-07	5.02E-07	4.89E-07	4.44E-07	2.02E-07	2.00E-07	9.58E-09	2.31E-07	5.11E-08	6.65E-08	1.05E-07	1.86E-08	1.32E-08	4.96E-07	2.62E-07	1.11E-07	1.31E-07	5.13E-08	2.62E-07	1.11E-07
3968	485363.09	3853877	5.96E-04	5.81E-04	5.74E-04	2.06E-07	6.23E-07	3.60E-07	3.52E-07	3.19E-07	1.45E-07	1.44E-07	6.89E-09	1.66E-07	3.67E-08	4.78E-08	7.58E-08	1.34E-08	9.47E-09	3.56E-07	1.88E-07	7.98E-08	9.39E-08	3.69E-08	1.88E-07	7.98E-08
3969	485863.09	3853877	5.56E-04	5.43E-04	5.36E-04	1.93E-07	5.82E-07	3.37E-07	3.28E-07	2.98E-07	1.36E-07	1.34E-07	6.43E-09	1.55E-07	3.43E-08	4.46E-08	7.08E-08	1.25E-08	8.84E-09	3.33E-07	1.76E-07	7.45E-08	8.76E-08	3.44E-08	1.76E-07	7.45E-08
3970	486363.09	3853877	5.12E-04	4.99E-04	4.93E-04	1.77E-07	5.35E-07	3.10E-07	3.02E-07	2.74E-07	1.25E-07	1.23E-07	5.91E-09	1.43E-07	3.15E-08	4.10E-08	6.51E-08	1.15E-08	8.13E-09	3.06E-07	1.61E-07	6.85E-08	8.06E-08	3.17E-08	1.61E-07	6.85E-08
3971	486863.09	3853877	4.76E-04	4.64E-04	4.58E-04	1.65E-07	4.97E-07	2.88E-07	2.81E-07	2.55E-07	1.16E-07	1.15E-07	5.50E-09	1.33E-07	2.93E-08	3.81E-08	6.05E-08	1.07E-08	7.56E-09	2.85E-07	1.50E-07	6.37E-08	7.50E-08	2.95E-08	1.50E-07	6.37E-08
3972	487363.09	3853877	4.64E-04	4.53E-04	4.47E-04	1.61E-07	4.85E-07	2.81E-07	2.74E-07	2.48E-07	1.13E-07	1.12E-07	5.37E-09	1.30E-07	2.86E-08	3.72E-08	5.90E-08	1.04E-08	7.38E-09	2.78E-07	1.47E-07	6.22E-08	7.31E-08	2.87E-08	1.47E-07	6.22E-08
3973	487863.09	3853877	4.68E-04	4.57E-04	4.51E-04	1.62E-07	4.89E-07	2.83E-07	2.76E-07	2.50E-07	1.14E-07	1.13E-07	5.41E-09	1.31E-07	2.88E-08	3.75E-08	5.95E-08	1.05E-08	7.44E-09	2.80E-07	1.48E-07	6.27E-08	7.37E-08	2.90E-08	1.48E-07	6.27E-08
3974	488363.09	3853877	4.55E-04	4.44E-04	4.38E-04	1.58E-07	4.76E-07	2.75E-07	2.69E-07	2.44E-07	1.11E-07	1.10E-07	5.26E-09	1.27E-07	2.80E-08	3.65E-08	5.79E-08	1.02E-08	7.23E-09	2.72E-07	1.44E-07	6.09E-08	7.17E-08	2.82E-08	1.44E-07	6.09E-08
3975	488863.09	3853877	4.51E-04	4.40E-04	4.34E-04	1.56E-07	4.71E-07	2.73E-07	2.66E-07	2.41E-07	1.10E-07	1.09E-07	5.21E-09	1.26E-07	2.78E-08	3.61E-08	5.73E-08	1.01E-08	7.16E-09	2.69E-07	1.42E-07	6.03E-08	7.10E-08	2.79E-08	1.42E-07	6.03E-08
3976	489363.09	3853877	4.22E-04	4.12E-04	4.07E-04	1.46E-07	4.41E-07	2.56E-07	2.49E-07	2.26E-07	1.03E-07	1.02E-07	4.88E-09	1.18E-07	2.60E-08	3.39E-08	5.37E-08	9.47E-09	6.71E-09	2.53E-07	1.33E-07	5.66E-08	6.65E-08	2.61E-08	1.33E-07	5.66E-08
3977	489863.09	3853877	4.12E-04	4.02E-04	3.96E-04	1.42E-07	4.30E-07	2.49E-07	2.43E-07	2.20E-07	1.01E-07	9.92E-08	4.76E-09	1.15E-07	2.54E-08	3.30E-08	5.23E-08	9.22E-09	6.54E-09	2.46E-07	1.30E-07	5.51E-08	6.48E-08	2.55E-08	1.30E-07	5.51E-08
3978	490363.09	3853877	3.95E-04	3.85E-04	3.80E-04	1.37E-07	4.12E-07	2.39E-07	2.33E-07	2.11E-07	9.64E-08	9.51E-08	4.56E-09	1.10E-07	2.43E-08	3.16E-08	5.02E-08	8.84E-09	6.27E-09	2.36E-07	1.25E-07	5.28E-08	6.22E-08	2.44E-08	1.25E-07	5.28E-08
3979	490863.09	3853877	3.84E-04	3.75E-04	3.70E-04	1.33E-07	4.02E-07	2.32E-07	2.27E-07	2.06E-07	9.38E-08	9.26E-08	4.44E-09	1.07E-07	2.37E-08	3.08E-08	4.89E-08	8.61E-09	6.11E-09	2.30E-07	1.21E-07	5.14E-08	6.05E-08	2.38E-08	1.21E-07	5.14E-08
3980	491363.09	3853877	3.76E-04	3.67E-04	3.62E-04	1.30E-07	3.93E-07	2.28E-07	2.22E-07	2.01E-07	9.19E-08	9.07E-08	4.35E-09	1.05E-07	2.32E-08	3.02E-08	4.79E-08	8.43E-09	5.98E-09	2.25E-07	1.19E-07	5.04E-08	5.93E-08	2.33E-08	1.19E-07	5.04E-08
3981	491863.09	3853877	3.69E-04	3.60E-04	3.55E-04	1.28E-07	3.85E-07	2.23E-07	2.18E-07	1.97E-07	9.01E-08	8.89E-08	4.26E-09	1.03E-07	2.27E-08	2.96E-08	4.69E-08	8.27E-09	5.86E-09	2.21E-07	1.16E-07	4.94E-08	5.81E-08	2.28E-08	1.16E-07	4.94E-08
3982	492363.09	3853877	3.67E-04	3.58E-04	3.54E-04	1.27E-07	3.84E-07	2.22E-07	2.17E-07	1.97E-07	8.97E-08	8.85E-08	4.24E-09	1.03E-07	2.26E-08	2.94E-08	4.67E-08	8.23E-09	5.84E-09	2.20E-07	1.16E-07	4.92E-08	5.78E-08	2.27E-08	1.16E-07	4.92E-08
3983	492863.09	3853877	3.61E-04	3.53E-04	3.48E-04	1.25E-07	3.78E-07	2.19E-07	2.13E-07	1.93E-07	8.83E-08	8.71E-08	4.18E-09	1.01E-07	2.23E-08	2.90E-08	4.60E-08	8.10E-09	5.74E-09	2.16E-07	1.14E-07	4.84E-08	5.69E-08	2.24E-08	1.14E-07	4.84E-08
3984	493363.09	3853877	3.50E-04	3.42E-04	3.37E-04	1.21E-07	3.66E-07	2.12E-07	2.07E-07	1.87E-07	8.55E-08	8.44E-08	4.05E-09	9.78E-08	2.16E-08	2.81E-08	4.45E-08	7.85E-09	5.57E-09	2.09E-07	1.11E-07	4.69E-08	5.52E-08	2.17E-08	1.11E-07	4.69E-08
3985	493863.09	3853877	3.38E-04	3.30E-04	3.25E-04	1.17E-07	3.53E-07	2.04E-07	1.99E-07	1.81E-07	8.25E-08	8.14E-08	3.90E-09	9.43E-08	2.08E-08	2.71E-08	4.29E-08	7.57E-09	5.37E-09	2.02E-07	1.07E-07	4.52E-08	5.32E-08	2.09E-08	1.07E-07	4.52E-08
3986	494363.09	3853877	3.28E-04	3.20E-04	3.16E-04	1.14E-07	3.43E-07	1.99E-07	1.94E-07	1.76E-07	8.01E-08	7.91E-08	3.79E-09	9.16E-08	2.02E-08	2.63E-08	4.17E-08	7.36E-09	5.22E-09	1.96E-07	1.04E-07	4.39E-08	5.17E-08	2.03E-08	1.04E-07	4.39E-08
3987	494863.09	3853877	3.15E-04	3.08E-04	3.04E-04	1.09E-07	3.30E-07	1.91E-07	1.86E-07	1.69E-07	7.70E-08	7.60E-08	3.64E-09	8.80E-08	1.94E-08	2.53E-08	4.01E-08	7.07E-09	5.01E-09	1.89E-07	9.95E-08	4.22E-08	4.97E-08	1.95E-08	9.95E-08	4.22E-08
3988	495363.09	3853877	2.93E-04	2.86E-04	2.82E-04	1.02E-07	3.07E-07	1.77E-07	1.73E-07	1.57E-07	7.16E-08	7.07E-08	3.39E-09	8.19E-08	1.81E-08	2.35E-08	3.73E-08	6.57E-09	4.66E-09	1.75E-07	9.26E-08	3.93E-08	4.62E-08	1.82E-08	9.26E-08	3.93E-08
3989	495863.09	3853877	2.75E-04	2.68E-04	2.65E-04	9.52E-08	2.87E-07	1.66E-07	1.62E-07	1.47E-07	6.72E-08	6.63E-08	3.18E-09	7.68E-08	1.69E-08	2.21E-08	3.50E-08	6.16E-09	4.37E-09	1.64E-07	8.68E-08	3.68E-08	4.33E-08	1.70E-08	8.68E-08	3.68E-08

3990	496363.09	3853877	2.63E-04	2.56E-04	2.53E-04	9.09E-08	2.74E-07	1.59E-07	1.55E-07	1.41E-07	6.41E-08	6.33E-08	3.04E-09	7.33E-08	1.62E-08	2.11E-08	3.34E-08	5.89E-09	4.17E-09	1.57E-07	8.29E-08	3.52E-08	4.14E-08	1.63E-08	8.29E-08	3.52E-08
3991	496863.09	3853877	2.42E-04	2.36E-04	2.33E-04	8.39E-08	2.53E-07	1.47E-07	1.43E-07	1.30E-07	5.92E-08	5.84E-08	2.80E-09	6.77E-08	1.49E-08	1.94E-08	3.08E-08	5.43E-09	3.85E-09	1.45E-07	7.65E-08	3.24E-08	3.82E-08	1.50E-08	7.65E-08	3.24E-08
3992	497363.09	3853877	2.25E-04	2.20E-04	2.17E-04	7.80E-08	2.35E-07	1.36E-07	1.33E-07	1.21E-07	5.50E-08	5.43E-08	2.60E-09	6.29E-08	1.39E-08	1.81E-08	2.86E-08	5.05E-09	3.58E-09	1.35E-07	7.11E-08	3.02E-08	3.55E-08	1.39E-08	7.11E-08	3.02E-08
3993	497863.09	3853877	2.03E-04	1.98E-04	1.96E-04	7.04E-08	2.12E-07	1.23E-07	1.20E-07	1.09E-07	4.96E-08	4.90E-08	2.35E-09	5.68E-08	1.25E-08	1.63E-08	2.59E-08	4.56E-09	3.23E-09	1.22E-07	6.42E-08	2.72E-08	3.20E-08	1.26E-08	6.42E-08	2.72E-08
3994	498363.09	3853877	1.90E-04	1.85E-04	1.83E-04	6.56E-08	1.98E-07	1.15E-07	1.12E-07	1.01E-07	4.63E-08	4.57E-08	2.19E-09	5.29E-08	1.17E-08	1.52E-08	2.41E-08	4.25E-09	3.01E-09	1.13E-07	5.98E-08	2.54E-08	2.99E-08	1.17E-08	5.98E-08	2.54E-08
3995	471363.09	3854377	1.21E-04	1.18E-04	1.17E-04	4.19E-08	1.27E-07	7.33E-08	7.15E-08	6.48E-08	2.96E-08	2.92E-08	1.40E-09	3.38E-08	7.46E-09	9.71E-09	1.54E-08	2.72E-09	1.93E-09	7.24E-08	3.82E-08	1.62E-08	1.91E-08	7.50E-09	3.82E-08	1.62E-08
3996	471863.09	3854377	1.27E-04	1.24E-04	1.22E-04	4.39E-08	1.33E-07	7.68E-08	7.50E-08	6.79E-08	3.10E-08	3.06E-08	1.47E-09	3.54E-08	7.82E-09	1.02E-08	1.61E-08	2.85E-09	2.02E-09	7.59E-08	4.01E-08	1.70E-08	2.00E-08	7.86E-09	4.01E-08	1.70E-08
3997	472363.09	3854377	1.31E-04	1.28E-04	1.26E-04	4.54E-08	1.37E-07	7.93E-08	7.74E-08	7.02E-08	3.20E-08	3.16E-08	1.52E-09	3.66E-08	8.08E-09	1.05E-08	1.67E-08	2.94E-09	2.08E-09	7.84E-08	4.14E-08	1.76E-08	2.07E-08	8.11E-09	4.14E-08	1.76E-08
3998	472863.09	3854377	1.34E-04	1.31E-04	1.29E-04	4.64E-08	1.40E-07	8.11E-08	7.91E-08	7.17E-08	3.27E-08	3.23E-08	1.55E-09	3.74E-08	8.26E-09	1.07E-08	1.70E-08	3.00E-09	2.13E-09	8.01E-08	4.23E-08	1.79E-08	2.11E-08	8.29E-09	4.23E-08	1.79E-08
3999	473363.09	3854377	1.39E-04	1.35E-04	1.33E-04	4.80E-08	1.45E-07	8.38E-08	8.18E-08	7.42E-08	3.38E-08	3.34E-08	1.60E-09	3.87E-08	8.54E-09	1.11E-08	1.76E-08	3.11E-09	2.20E-09	8.29E-08	4.37E-08	1.86E-08	2.18E-08	8.58E-09	4.37E-08	1.86E-08
4000	473863.09	3854377	1.44E-04	1.40E-04	1.39E-04	4.98E-08	1.50E-07	8.71E-08	8.50E-08	7.71E-08	3.52E-08	3.47E-08	1.66E-09	4.02E-08	8.87E-09	1.15E-08	1.83E-08	3.23E-09	2.29E-09	8.61E-08	4.54E-08	1.93E-08	2.27E-08	8.91E-09	4.54E-08	1.93E-08
4001	474363.09	3854377	1.48E-04	1.45E-04	1.43E-04	5.13E-08	1.55E-07	8.96E-08	8.75E-08	7.93E-08	3.62E-08	3.57E-08	1.71E-09	4.14E-08	9.13E-09	1.19E-08	1.88E-08	3.32E-09	2.35E-09	8.86E-08	4.67E-08	1.98E-08	2.33E-08	9.17E-09	4.67E-08	1.98E-08
4002	474863.09	3854377	1.46E-04	1.42E-04	1.40E-04	5.04E-08	1.52E-07	8.81E-08	8.60E-08	7.79E-08	3.56E-08	3.51E-08	1.68E-09	4.07E-08	8.97E-09	1.17E-08	1.85E-08	3.26E-09	2.31E-09	8.71E-08	4.60E-08	1.95E-08	2.29E-08	9.01E-09	4.60E-08	1.95E-08
4003	475363.09	3854377	1.39E-04	1.36E-04	1.34E-04	4.81E-08	1.45E-07	8.41E-08	8.21E-08	7.44E-08	3.39E-08	3.35E-08	1.61E-09	3.88E-08	8.56E-09	1.11E-08	1.77E-08	3.11E-09	2.21E-09	8.31E-08	4.39E-08	1.86E-08	2.19E-08	8.60E-09	4.39E-08	1.86E-08
4004	475863.09	3854377	1.25E-04	1.22E-04	1.20E-04	4.32E-08	1.31E-07	7.56E-08	7.37E-08	6.68E-08	3.05E-08	3.01E-08	1.44E-09	3.49E-08	7.69E-09	1.00E-08	1.59E-08	2.80E-09	1.98E-09	7.47E-08	3.94E-08	1.67E-08	1.97E-08	7.73E-09	3.94E-08	1.67E-08
4005	476363.09	3854377	1.25E-04	1.22E-04	1.21E-04	4.34E-08	1.31E-07	7.58E-08	7.40E-08	6.71E-08	3.06E-08	3.02E-08	1.45E-09	3.50E-08	7.72E-09	1.00E-08	1.59E-08	2.81E-09	1.99E-09	7.49E-08	3.95E-08	1.68E-08	1.97E-08	7.75E-09	3.95E-08	1.68E-08
4006	476863.09	3854377	1.28E-04	1.25E-04	1.23E-04	4.44E-08	1.34E-07	7.76E-08	7.57E-08	6.86E-08	3.13E-08	3.09E-08	1.48E-09	3.58E-08	7.90E-09	1.03E-08	1.63E-08	2.87E-09	2.04E-09	7.67E-08	4.05E-08	1.72E-08	2.02E-08	7.93E-09	4.05E-08	1.72E-08
4007	477363.09	3854377	1.32E-04	1.29E-04	1.27E-04	4.58E-08	1.38E-07	8.01E-08	7.81E-08	7.08E-08	3.23E-08	3.19E-08	1.53E-09	3.70E-08	8.15E-09	1.06E-08	1.68E-08	2.97E-09	2.10E-09	7.91E-08	4.18E-08	1.77E-08	2.08E-08	8.19E-09	4.18E-08	1.77E-08
4008	477863.09	3854377	1.38E-04	1.34E-04	1.33E-04	4.77E-08	1.44E-07	8.33E-08	8.13E-08	7.37E-08	3.36E-08	3.32E-08	1.59E-09	3.85E-08	8.49E-09	1.10E-08	1.75E-08	3.09E-09	2.19E-09	8.24E-08	4.35E-08	1.84E-08	2.17E-08	8.52E-09	4.35E-08	1.84E-08
4009	478363.09	3854377	1.48E-04	1.45E-04	1.43E-04	5.13E-08	1.55E-07	8.96E-08	8.75E-08	7.93E-08	3.62E-08	3.57E-08	1.71E-09	4.14E-08	9.13E-09	1.19E-08	1.88E-08	3.32E-09	2.35E-09	8.86E-08	4.67E-08	1.98E-08	2.33E-08	9.17E-09	4.67E-08	1.98E-08
4010	478863.09	3854377	1.55E-04	1.51E-04	1.49E-04	5.37E-08	1.62E-07	9.39E-08	9.16E-08	8.30E-08	3.79E-08	3.74E-08	1.79E-09	4.33E-08	9.56E-09	1.24E-08	1.97E-08	3.48E-09	2.47E-09	9.28E-08	4.90E-08	2.08E-08	2.44E-08	9.60E-09	4.90E-08	2.08E-08
4011	479363.09	3854377	1.80E-04	1.76E-04	1.73E-04	6.23E-08	1.88E-07	1.09E-07	1.06E-07	9.64E-08	4.40E-08	4.34E-08	2.08E-09	5.03E-08	1.11E-08	1.44E-08	2.29E-08	4.04E-09	2.86E-09	1.08E-07	5.68E-08	2.41E-08	2.84E-08	1.11E-08	5.68E-08	2.41E-08
4012	479863.09	3854377	2.01E-04	1.96E-04	1.94E-04	6.97E-08	2.10E-07	1.22E-07	1.19E-07	1.08E-07	4.91E-08	4.85E-08	2.33E-09	5.62E-08	1.24E-08	1.61E-08	2.56E-08	4.51E-09	3.20E-09	1.20E-07	6.35E-08	2.69E-08	3.17E-08	1.25E-08	6.35E-08	2.69E-08
4013	480363.09	3854377	2.40E-04	2.34E-04	2.31E-04	8.32E-08	2.51E-07	1.45E-07	1.42E-07	1.29E-07	5.87E-08	5.79E-08	2.78E-09	6.71E-08	1.48E-08	1.93E-08	3.05E-08	5.38E-09	3.82E-09	1.44E-07	7.58E-08	3.22E-08	3.78E-08	1.49E-08	7.58E-08	3.22E-08
4014	480863.09	3854377	3.09E-04	3.02E-04	2.98E-04	1.07E-07	3.23E-07	1.87E-07	1.83E-07	1.66E-07	7.56E-08	7.46E-08	3.58E-09	8.64E-08	1.91E-08	2.48E-08	3.94E-08	6.94E-09	4.92E-09	1.85E-07	9.77E-08	4.14E-08	4.88E-08	1.92E-08	9.77E-08	4.14E-08
4015	481363.09	3854377	4.06E-04	3.96E-04	3.91E-04	1.41E-07	4.25E-07	2.46E-07	2.40E-07	2.17E-07	9.92E-08	9.79E-08	4.70E-09	1.13E-07	2.50E-08	3.26E-08	5.17E-08	9.10E-09	6.46E-09	2.43E-07	1.28E-07	5.44E-08	6.40E-08	2.51E-08	1.28E-07	5.44E-08
4016	481863.09	3854377	5.91E-04	5.77E-04	5.69E-04	2.05E-07	6.18E-07	3.58E-07	3.49E-07	3.16E-07	1.44E-07	1.42E-07	6.83E-09	1.65E-07	3.64E-08	4.74E-08	7.52E-08	1.33E-08	9.40E-09	3.54E-07	1.87E-07	7.92E-08	9.31E-08	3.66E-08	1.87E-07	7.92E-08
4017	482363.09	3854377	9.07E-04	8.85E-04	8.73E-04	3.14E-07	9.48E-07	5.49E-07	5.35E-07	4.85E-07	2.21E-07	2.19E-07	1.05E-08	2.53E-07	5.59E-08	7.27E-08	1.15E-07	2.03E-08	1.44E-08	5.42E-07	2.86E-07	1.21E-07	1.43E-07	5.61E-08	2.86E-07	1.21E-07
4018	482863.09	3854377	9.07E-03	8.85E-03	8.73E-03	3.14E-06	9.48E-06	5.49E-06	5.35E-06	4.85E-06	2.21E-06	2.19E-06	1.05E-07	2.53E-06	5.59E-07	7.27E-07	1.15E-06	2.03E-07	1.44E-07	5.42E-06	2.86E-06	1.21E-06	1.43E-06	5.61E-07	2.86E-06	1.21E-06
4019	483363.09	3854377	3.81E-03	3.72E-03	3.67E-03	1.32E-06	3.99E-06	2.31E-06	2.25E-06	2.04E-06	9.32E-07	9.19E-07	4.41E-08	1.07E-06	2.35E-07	3.06E-07	4.85E-07	8.55E-08	6.06E-08	2.28E-06	1.20E-06	5.11E-07	6.01E-07	2.36E-07	1.20E-06	5.11E-07
4020	483863.09	3854377	4.49E-03	4.38E-03	4.32E-03	1.55E-06	4.69E-06	2.72E-06	2.65E-06	2.40E-06	1.10E-06	1.08E-06	5.19E-08	1.25E-06	2.77E-07	3.60E-07	5.71E-07	1.01E-07	7.14E-08	2.69E-06	1.42E-06	6.01E-07	7.07E-07	2.78E-07	1.42E-06	6.01E-07
4021	484363.09	3854377	1.74E-03	1.70E-03	1.68E-03	6.03E-07	1.82E-06	1.05E-06	1.03E-06	9.33E-07	4.26E-07	4.20E-07	2.02E-08	4.87E-07	1.07E-07	1.40E-07	2.22E-07	3.91E-08	2.77E-08	1.04E-06	5.50E-07	2.33E-07	2.75E-07	1.08E-07	5.50E-07	2.33E-07
4022	484863.09	3854377	1.05E-03	1.02E-03	1.01E-03	3.62E-07	1.09E-06	6.34E-07	6.18E-07	5.60E-07	2.56E-07	2.52E-07	1.21E-08	2.92E-07	6.45E-08	8.39E-08	1.33E-07	2.35E-08	1.66E-08	6.26E-07	3.30E-07	1.40E-07	1.65E-07	6.48E-08	3.30E-07	1.40E-07
4023	485363.09	3854377	9.41E-04	9.19E-04	9.06E-04	3.26E-07	9.84E-07	5.70E-07	5.56E-07	5.04E-07	2.30E-07	2.27E-07	1.09E-08	2.63E-07	5.80E-08	7.55E-08	1.20E-07	2.11E-08	1.50E-08	5.63E-07	2.97E-07	1.26E-07	1.48E-07	5.83E-08	2.97E-07	1.26E-07
4024	485863.09	3854377	7.19E-04	7.02E-04	6.93E-04	2.49E-07	7.52E-07	4.35E-07	4.25E-07	3.85E-07	1.76E-07	1.73E-07	8.32E-09	2.01E-07	4.43E-08	5.77E-08	9.15E-08	1.61E-08	1.14E-08	4.30E-07	2.27E-07	9.63E-08	1.13E-07	4.45E-08	2.27E-07	9.63E-08
4025	486363.09	3854377	6.46E-04	6.30E-04	6.22E-04	2.23E-07	6.75E-07	3.91E-07	3.81E-07	3.46E-07	1.58E-07	1.56E-07	7.46E-09	1.80E-07	3.98E-08	5.17E-08	8.21E-08	1.45E-08	1.03E-08	3.86E-07	2.04E-07	8.64E-08	1.02E-07	4.00E-08	2.04E-07	8.64E-08
4026	486863.09	3854377	5.63E-04	5.49E-04	5.42E-04	1.95E-07	5.88E-07	3.41E-07	3.32E-07	3.01E-07	1.37E-07	1.36E-07	6.51E-09	1.57E-07	3.47E-08	4.51E-08	7.16E-08	1.26E-08	8.95E-09	3.37E-07	1.78E-07	7.54E-08	8.87E-08	3.48E-08	1.78E-07	7.54E-08
4027	487363.09	3854377	5.36E-04	5.23E-04	5.16E-04	1.85E-07	5.60E-07	3.24E-07	3.16E-07	2.87E-07	1.31E-07	1.29E-07	6.19E-09	1.50E-07	3.30E-08	4.29E-08	6.81E-08	1.20E-08	8.51E-09	3.20E-07	1.69E-07	7.17E-08	8.44E-08	3.31E-08	1.69E-07	7.17E-08
4028	487863.09	3854377	5.31E-04	5.18E-04	5.11E-04	1.84E-07	5.55E-07	3.21E-07	3.14E-07	2.84E-07	1.30E-07	1.28E-07	6.14E-09	1.48E-07	3.27E-08	4.26E-08	6.75E-08	1.19E-08	8.44E-09	3.18E-07	1.68E-07	7.11E-08	8.37E-08	3.29E-08	1.68E-07	7.11E-08
4029	488363.09	3854377	5.16E-04	5.04E-04	4.97E-04	1.79E-07	5.39E-07	3.12E-07	3.05E-07	2.76E-07	1.26E-07	1.24E-07	5.97E-09	1.44E-07	3.18E-08	4.14E-08	6.56E-08	1.16E-08	8.20E-09	3.09E-07	1.63E-07	6.91E-08	8.13E-08	3.19E-08	1.63E-07	6.91E-08
4030	488863.09	3854377	4.98E-04	4.86E-04	4.79E-04	1.72E-07	5.20E-07	3.01E-07	2.94E-07	2.66E-07	1.22E-07	1.20E-07	5.75E-09	1.39E-07	3.07E-08	3.99E-08	6.33E-08	1.12E-08	7.91E-09	2.98E-07	1.57E-07	6.67E-08	7.84E-08	3.08E-08	1.57E-07	6.67E-08
4031	489363.09	3854377	4.78E-04	4.66E-04	4.60E-04	1.65E-07	5.00E-07	2.89E-07	2.82E-07	2.56E-07	1.17E-07	1.15E-07	5.52E-09	1.33E-07	2.94E-08	3.83E-08	6.08E-08	1.07E-08	7.60E-09	2.86E-07	1.51E-07	6.40E-08	7.53E-08	2.96E-08	1.51E-07	6.40E-08
4032	489863.09	3854377	4.57E-04	4.46E-04	4.40E-04	1.58E-07	4.77E-07	2.76E-07	2.70E-07	2.44E-07	1.12E-07	1.10E-07	5.28E-09	1.28E-07	2.81E-08	3.66E-08	5.81E-08	1.02E-08	7.26E-09	2.73E-07	1.44E-07	6.12E-08	7.20E-08	2.83E-08	1.44E-07	6.12E-08
4033	490363.09	3854377	4.36E-04	4.25E-04	4.19E-04	1.51E-07	4.55E-07	2.64E-07	2.57E-07	2.33E-07	1.06E-07	1.05E-07	5.04E-09	1.22E-07	2.68E-08	3.49E-08	5.54E-08	9.76E-09	6.92E-09	2.61E-07	1.37E-07	5.83E-08	6.86E-08	2.70E-08	1.37E-07	5.83E-08
4034	490863.09	3854377	3.89E-04	3.79E-04	3.74E-04	1.35E-07	4.06E-07	2.35E-07	2.30E-07	2.08E-07	9.49E-08	9.37E-08	4.49E-09	1.09E-07	2.40E-08	3.12E-08	4.94E-08	8.71E-09	6.18E-09	2.32E-07	1.23E-07	5.21E-08	6.12E-08	2.41E-08	1.23E-07	5.21E-08
4035	491363.09	3854377	3.95E-04	3.86E-04	3.81E-04	1.37E-07	4.13E-07	2.39E-07	2.33E-07	2.12E-07	9.66E-08	9.53E-08	4.57E-09	1.10E-07	2.44E-08	3.17E-08	5.03E-08	8.86E-09	6.28E-09	2.36E-07	1.25E-07	5.29E-08	6.23E-08	2.45E-08	1.25E-07	5.29E-08
4036	491863.09	3854377	3.97E-04	3.87E-04	3.82E-04	1.37E-07	4.15E-07	2.40E-07	2.34E-07	2.12E-07	9.69E-08	9.56E-08	4.58E-09	1.11E-07	2.44E-08	3.18E-08	5.04E-08	8.89E-09	6.30E-09	2.37E-07	1.25E-07	5.31E-08	6.25E-08	2.45E-08	1.25E-07	5.31E-08
4037	492363.09	3854377	3.90E-04	3.81E-04	3.76E-04	1.35E-07	4.08E-07	2.36E-07	2.31E-07	2.09E-07	9.53E-08	9.41E-08	4.51E-09	1.09E-07	2.41E-08	3.13E-08	4.96E-08	8.75E-09	6.21E-09	2.33E-07	1.23E-07	5.23E-08	6.15E-08	2.42E-08	1.23E-07	5.23E-08
4038	492863.09	3854377	3.79E-04	3.70E-04	3.65E-04	1.31E-07	3.96E-07	2.29E-07	2.24E-07	2.03E-07	9.25E-08	9.13E-08	4.38E-09	1.06E-07	2.33E-08	3.04E-08	4.82E-08	8.49E-09	6.02E-09	2.27E-07	1.20E-07	5.07E-08	5.97E-08	2.34E-08	1.20E-07	5.07E-08
4039	493363.09	3854377	3.65E-04	3.56E-04	3.52E-04	1.26E-07	3.82E-07	2.21E-07	2.16E-07	1.95E-07	8.92E-08	8.80E-08	4.22E-09	1.02E-07	2.25E-08	2.93E-08	4.64E-08	8.18E-09	5.80E-09	2.18E-07	1.15E-07	4.89E-08	5.75E-08	2.26E-08	1.15E-07	4.89E-08
4040	493863.09	3854377	3.51E-04	3.43E-04	3.38E-04	1.22E-07	3.67E-07	2.13E-07	2.07E-07	1.88E-07	8.58E-08	8.47E-08	4.06E-09	9.81E-08	2.17E-08	2.82E-08	4.47E-08	7.88E-09	5.59E-09	2.10E-07	1.11E-07	4.71E-08	5.54E-08	2.17E-08	1.11E-07	4.71E-08
4041	494363.09	3854377	3.39E-04	3.30E-04	3.26E-04	1.17E-07	3.54E-07	2.05E-07	2.00E-07	1.81E-07	8.27E-08	8.16E-08	3.91E-09	9.45E-08	2.09E-08	2.71E-08	4.31E-08	7.59E-09	5.38E-09	2.02E-07	1.07E-07	4.53E-08	5.33E-08	2.10E-08	1.07E-07	4.53E-08
4042	494863.09	3854377	3.07E-04	3.00E-04	2.96E-04	1.06E-07	3.21E-07	1.86E-07	1.81E-07	1.64E-07	7.50E-08	7.40E-08	3.55E-09	8.57E-08	1.89E-08	2.46E-08	3.90E-08	6.88E-09	4.88E-09	1.84E-07	9.69E-08	4.11E-08	4.84E-08	1.90E-08	9.69E-08	4.11E-08
4043	495363.09	3854377	2.74E-04	2.67E-04	2.64E-04	9.48E-08	2.86E-07	1.66E-07	1.62E-07	1.47E-07	6.69E-08	6.60E-08	3.17E-09	7.65E-08	1.69E-08	2.20E-08	3.48E-08	6.14E-09	4.35E-09	1.64E-07	8.64E-08	3.67E-08	4.31E-08	1.69E-08	8.64E-08	3.67E-08
4044	495863.09	3854377	2.52E-04	2.46E-04	2.42E-04	8.72E-08	2.63E-07	1.52E-07	1.49E-07	1.35E-07	6.15E-08	6.07E-08	2.91E-09	7.03E-08	1.55E-08	2.02E-08	3.20E-08	5.64E-09	4.00E-09	1.51E-07	7.95E-08	3.37E-08	3.97E-08	1.56E-08	7.95E-08	3.37E-08
4045	496363.09	3854377	2.40E-04	2.34E-04	2.31E-04	8.32E-08	2.51E-07	1.45E-07	1.42E-07	1.29E-07	5.87E-08	5.79E-08	2.78E-09	6.71E-08	1.48E-08	1.93E-08	3.05E-08	5.38E-09	3.82E-09	1.44E-07	7.58E-08	3.22E-08	3.78E-08	1.49E-08	7.58E-08	3.22E-08
4046	496863.09	3854377	2.27E-04	2.21E-04	2.18E-04	7.84E-08	2.37E-07	1.37E-07	1.34E-07	1.21E-07	5.53E-08	5.46E-08	2.62E-09	6.32E-08	1.40E-08	1.82E-08	2.88E-08	5.08E-09	3.60E-09	1.35E-07	7.15E-08	3.03E-08	3.57E-08	1.40E-08	7.15E-08	3.03E-08
4047	497363.09	3854377	2.05E-04	2.00E-04	1.98E-04	7.11E-08	2.15E-07	1.24E-07	1.21E-07	1.10E-07	5.02E-08	4.95E-08	2.37E-09	5.73E-08	1.27E-08	1.65E-08	2.61E-08	4.60E-09	3.26E-09	1.23E-07	6.48E-08	2.75E-08	3.24E-08	1.27E-08	6.48E-08	2.75E-08
4048	497863.09	3854377	2.07E-04	2.02E-04	1.99E-04	7.17E-08	2.16E-07	1.25E-07	1.22E-07	1.11E-07	5.06E-08	4.99E-08	2.39E-09	5.78E-08	1.28E-08	1.66E-08	2.63E-08	4.64E-09	3.29E-09	1.24E-07	6.53E-08	2.77E-08	3.26E-08	1.28E-08	6.53E-08	2.77E-08
4049	498363.09	3854377	1.95E-04	1.91E-04	1.88E-04	6.76E-08	2.04E-07	1.18E-07	1.15E-07	1.05E-07	4.77E-08	4.71E-08	2.26E-09	5.46E-08	1.20E-08	1.57E-08	2.48E-08	4.38E-09	3.11E-09	1.17E-07	6.17E-08	2.62E-08	3.08E-08	1.21E-08	6.17E-08	2.62E-08
4050	471363.09	3854877	1.19E-04	1.17E-04	1.15E-04	4.14E-08	1.25E-07	7.23E-08	7.05E-08	6.40E-08	2.92E-08	2.88E-08	1.38E-09	3.34E-08	7.36E-09	9.58E-09	1.52E-08	2.68E-09	1.90E-09	7.15E-08	3.77E-08	1.60E-08	1.88E-08	7.39E-09	3.77E-08	1.60E-08
4051	471863.09	3854877	1.24E-04	1.21E-04	1.19E-04	4.28E-08	1.29E-07	7.48E-08	7.30E-08	6.62E-08	3.02E-08	2.98E-08	1.43E-09	3.45E-08	7.62E-09	9.91E-09	1.57E-08	2.77E-09	1.97E-09	7.39E-08	3.90E-08	1.66E-08	1.95E-08	7.65E-09	3.90E-08	1.66E-08
4052	472363.09	3854877	1.27E-04	1.24E-04	1.22E-04	4.39E-08	1.33E-07	7.68E-08	7.50E-08	6.79E-08	3.10E-08	3.06E-08	1.47E-09	3.54E-08	7.82E-09	1.02E-08	1.61E-08	2.85E-09	2.02E-09	7.59E-08	4.01E-08	1.70E-08	2.00E-08	7.86E-09	4.01E-08	1.70E-08
4053	472863.09	3854877	1.28E-04	1.25E-04	1.23E-04	4.42E-08	1.34E-07	7.73E-08	7.54E-08	6.84E-08	3.12E-08	3.08E-08	1.48E-09	3.57E-08	7.87E-09	1.02E-08	1.63E-08	2.86E-09	2.03E-09	7.64E-08	4.03E-08	1.71E-08	2.01E-08	7.91E-09	4.03E-08	1.71E-08
4054	473363.09	3854877	1.33E-04	1.30E-04	1.28E-04	4.60E-08	1.39E-07	8.03E-08	7.84E-08	7.11E-08	3.24E-08	3.20E-08	1.53E-09	3.71E-08	8.18E-09	1.06E-08	1.69E-08	2.98E-09	2.11E-09	7.94E-08	4.19E-08	1.78E-08	2.09E-08	8.22E-09	4.19E-08	1.78E-08
4055	473863.09	3854877	1.38E-04	1.34E-04	1.33E-04	4.77E-08	1.44E-07	8.33E-08	8.13E-08	7.37E-08	3.36E-08	3.32E-08	1.59E-09	3.85E-08	8.49E-09	1.10E-08	1.75E-08	3.09E-09	2.19E-09	8.24E-08	4.35E-08	1.84E-08	2.17E-08	8.52E-09	4.35E-08	1.84E-08
4056	474363.09	3854877	1.44E-04	1.41E-04	1.39E-04	5.00E-08	1.51E-07	8.74E-08	8.52E-08	7.73E-08	3.53E-08	3.48E-08	1.67E-09	4.03E-08	8.90E-09	1.16E-08	1.84E-08	3.24E-09	2.29E-09	8.63E-08	4.56E-08	1.93E-08	2.27E-08	8.94E-09	4.56E-08	1.93E-08
4057	474863.09	3854877	1.34E-04	1.31E-04	1.29E-04	4.65E-08	1.40E-07	8.13E-08	7.94E-08	7.19E-08	3.28E-08	3.24E-08	1.55E-09	3.75E-08	8.28E-09	1.08E-08	1.71E-08	3.01E-09	2.14E-09	8.04E-08	4.24E-08	1.80E-08	2.12E-08	8.32E-09	4.24E-08	1.80E-08
4058	475363.09	3854877	1.24E-04	1.21E-04	1.19E-04	4.28E-08	1.29E-07	7.48E-08	7.30E-08	6.62E-08	3.02E-08	2.98E-08	1.43E-09	3.45E-08	7.62E-09	9.91E-09	1.57E-08	2.77E-09	1.97E-09	7.39E-08	3.90E-08	1.66E-08	1.95E-08	7.65E-09	3.90E-08	1.66E-08
4059	475863.09	3854877	1.16E-04	1.13E-04	1.11E-04	4.01E-08	1.21E-07	7.00E-08	6.83E-08	6.20E-08	2.83E-08	2.79E-08	1.34E-09	3.23E-08	7.13E-09	9.28E-09	1.47E-08	2.59E-09	1.84E-09	6.92E-08	3.65E-08	1.55E-08	1.82E-08	7.16E-09	3.65E-08	1.55E-08
4060	476363.09	3854877	1.06E-04	1.03E-04	1.02E-04	3.66E-08	1.11E-07	6.40E-08	6.25E-08	5.66E-08	2.58E-08	2.55E-08	1.22E-09	2.95E-08	6.52E-09	8.48E-09	1.35E-08	2.37E-09	1.68E-09	6.33E-08	3.34E-08	1.42E-08	1.67E-08	6.55E-09	3.34E-08	1.42E-08
4061	476863.09	3854877	1.08E-04	1.05E-04	1.04E-04	3.73E-08	1.13E-07	6.53E-08	6.37E-08	5.77E-08	2.63E-08	2.60E-08	1.25E-09	3.01E-08	6.65E-09	8.65E-09	1.37E-08	2.42E-09	1.71E-09	6.45E-08	3.40E-08	1.44E-08	1.70E-08	6.68E-09	3.40E-08	1.44E-08
4062	477363.09	3854877	1.17E-04	1.15E-04	1.13E-04	4.06E-08	1.23E-07	7.10E-08	6.93E-08	6.28E-08	2.87E-08	2.83E-08	1.36E-09	3.28E-08	7.23E-09	9.41E-09	1.49E-08	2.63E-09	1.87E-09	7.02E-08	3.71E-08	1.57E-08	1.85E-08	7.27E-09	3.71E-08	1.57E-08
4063	477863.09	3854877	1.27E-04	1.24E-04	1.23E-04	4.41E-08	1.33E-07	7.71E-08	7.52E-08	6.82E-08	3.11E-08	3.07E-08	1.47E-09	3.56E-08	7.85E-09	1.02E-08	1.62E-08	2.85E-09	2.02E-09	7.62E-08	4.02E-08	1.71E-08	2.01E-08	7.88E-09	4.02E-08	1.71E-08

4064	478363.09	3854877	1.44E-04	1.40E-04	1.39E-04	4.98E-08	1.50E-07	8.71E-08	8.50E-08	7.71E-08	3.52E-08	3.47E-08	1.66E-09	4.02E-08	8.87E-09	1.15E-08	1.83E-08	3.23E-09	2.29E-09	8.61E-08	4.54E-08	1.93E-08	2.27E-08	8.91E-09	4.54E-08	1.93E-08
4065	478863.09	3854877	1.66E-04	1.62E-04	1.59E-04	5.73E-08	1.73E-07	1.00E-07	9.77E-08	8.86E-08	4.04E-08	3.99E-08	1.91E-09	4.62E-08	1.02E-08	1.33E-08	2.11E-08	3.71E-09	2.63E-09	9.90E-08	5.22E-08	2.22E-08	2.61E-08	1.02E-08	5.22E-08	2.22E-08
4066	479363.09	3854877	1.89E-04	1.84E-04	1.82E-04	6.53E-08	1.97E-07	1.14E-07	1.11E-07	1.01E-07	4.61E-08	4.55E-08	2.18E-09	5.27E-08	1.16E-08	1.51E-08	2.40E-08	4.23E-09	3.00E-09	1.13E-07	5.96E-08	2.53E-08	2.97E-08	1.17E-08	5.96E-08	2.53E-08
4067	479863.09	3854877	2.16E-04	2.11E-04	2.08E-04	7.47E-08	2.25E-07	1.31E-07	1.27E-07	1.15E-07	5.27E-08	5.20E-08	2.49E-09	6.02E-08	1.33E-08	1.73E-08	2.74E-08	4.84E-09	3.43E-09	1.29E-07	6.81E-08	2.89E-08	3.40E-08	1.34E-08	6.81E-08	2.89E-08
4068	480363.09	3854877	2.43E-04	2.37E-04	2.34E-04	8.40E-08	2.54E-07	1.47E-07	1.43E-07	1.30E-07	5.93E-08	5.85E-08	2.81E-09	6.78E-08	1.50E-08	1.95E-08	3.09E-08	5.44E-09	3.86E-09	1.45E-07	7.66E-08	3.25E-08	3.82E-08	1.50E-08	7.66E-08	3.25E-08
4069	480863.09	3854877	2.98E-04	2.91E-04	2.87E-04	1.03E-07	3.12E-07	1.80E-07	1.76E-07	1.60E-07	7.29E-08	7.19E-08	3.45E-09	8.33E-08	1.84E-08	2.39E-08	3.79E-08	6.69E-09	4.74E-09	1.78E-07	9.41E-08	3.99E-08	4.70E-08	1.85E-08	9.41E-08	3.99E-08
4070	481363.09	3854877	3.60E-04	3.51E-04	3.46E-04	1.25E-07	3.76E-07	2.18E-07	2.12E-07	1.93E-07	8.78E-08	8.67E-08	4.16E-09	1.00E-07	2.22E-08	2.88E-08	4.57E-08	8.06E-09	5.72E-09	2.15E-07	1.14E-07	4.82E-08	5.67E-08	2.23E-08	1.14E-07	4.82E-08
4071	481863.09	3854877	4.05E-04	3.96E-04	3.90E-04	1.40E-07	4.24E-07	2.45E-07	2.39E-07	2.17E-07	9.90E-08	9.77E-08	4.69E-09	1.13E-07	2.50E-08	3.25E-08	5.15E-08	9.08E-09	6.44E-09	2.42E-07	1.28E-07	5.43E-08	6.39E-08	2.51E-08	1.28E-07	5.43E-08
4072	482363.09	3854877	6.71E-04	6.55E-04	6.46E-04	2.32E-07	7.02E-07	4.06E-07	3.96E-07	3.59E-07	1.64E-07	1.62E-07	7.76E-09	1.87E-07	4.14E-08	5.38E-08	8.54E-08	1.50E-08	1.07E-08	4.01E-07	2.12E-07	8.99E-08	1.06E-07	4.15E-08	2.12E-07	8.99E-08
4073	482863.09	3854877	1.33E-03	1.30E-03	1.28E-03	4.60E-07	1.39E-06	8.04E-07	7.85E-07	7.11E-07	3.25E-07	3.20E-07	1.54E-08	3.71E-07	8.19E-08	1.07E-07	1.69E-07	2.98E-08	2.11E-08	7.95E-07	4.19E-07	1.78E-07	2.09E-07	8.22E-08	4.19E-07	1.78E-07
4074	483363.09	3854877	5.29E-03	5.17E-03	5.10E-03	1.83E-06	5.53E-06	3.20E-06	3.13E-06	2.83E-06	1.29E-06	1.28E-06	6.12E-08	1.48E-06	3.26E-07	4.24E-07	6.73E-07	1.19E-07	8.42E-08	3.17E-06	1.67E-06	7.09E-07	8.34E-07	3.28E-07	1.67E-06	7.09E-07
4075	483863.09	3854877	2.06E-03	2.01E-03	1.99E-03	7.14E-07	2.16E-06	1.25E-06	1.22E-06	1.10E-06	5.04E-07	4.97E-07	2.39E-08	5.76E-07	1.27E-07	1.65E-07	2.62E-07	4.63E-08	3.28E-08	1.23E-06	6.51E-07	2.76E-07	3.25E-07	1.28E-07	6.51E-07	2.76E-07
4076	484363.09	3854877	5.97E-03	5.82E-03	5.74E-03	2.07E-06	6.24E-06	3.61E-06	3.52E-06	3.19E-06	1.46E-06	1.44E-06	6.90E-08	1.67E-06	3.68E-07	4.78E-07	7.59E-07	1.34E-07	9.48E-08	3.57E-06	1.88E-06	7.99E-07	9.40E-07	3.69E-07	1.88E-06	7.99E-07
4077	484863.09	3854877	3.89E-03	3.79E-03	3.74E-03	1.35E-06	4.06E-06	2.35E-06	2.30E-06	2.08E-06	9.50E-07	9.37E-07	4.49E-08	1.09E-06	2.40E-07	3.12E-07	4.94E-07	8.71E-08	6.18E-08	2.33E-06	1.23E-06	5.21E-07	6.13E-07	2.41E-07	1.23E-06	5.21E-07
4078	485363.09	3854877	1.69E-03	1.65E-03	1.63E-03	5.86E-07	1.77E-06	1.02E-06	9.99E-07	9.06E-07	4.13E-07	4.08E-07	1.96E-08	4.72E-07	1.04E-07	1.36E-07	2.15E-07	3.79E-08	2.69E-08	1.01E-06	5.34E-07	2.27E-07	2.67E-07	1.05E-07	5.34E-07	2.27E-07
4079	485863.09	3854877	1.13E-03	1.10E-03	1.09E-03	3.91E-07	1.18E-06	6.84E-07	6.67E-07	6.05E-07	2.76E-07	2.72E-07	1.31E-08	3.15E-07	6.96E-08	9.06E-08	1.44E-07	2.53E-08	1.80E-08	6.76E-07	3.57E-07	1.51E-07	1.78E-07	6.99E-08	3.57E-07	1.51E-07
4080	486363.09	3854877	8.68E-04	8.47E-04	8.36E-04	3.00E-07	9.07E-07	5.25E-07	5.12E-07	4.65E-07	2.12E-07	2.09E-07	1.00E-08	2.42E-07	5.35E-08	6.96E-08	1.10E-07	1.95E-08	1.38E-08	5.19E-07	2.74E-07	1.16E-07	1.37E-07	5.37E-08	2.74E-07	1.16E-07
4081	486863.09	3854877	7.24E-04	7.06E-04	6.97E-04	2.51E-07	7.57E-07	4.38E-07	4.27E-07	3.87E-07	1.77E-07	1.74E-07	8.37E-09	2.02E-07	4.46E-08	5.80E-08	9.21E-08	1.62E-08	1.15E-08	4.33E-07	2.28E-07	9.69E-08	1.14E-07	4.48E-08	2.28E-07	9.69E-08
4082	487363.09	3854877	6.52E-04	6.36E-04	6.28E-04	2.26E-07	6.81E-07	3.94E-07	3.85E-07	3.49E-07	1.59E-07	1.57E-07	7.53E-09	1.82E-07	4.02E-08	5.22E-08	8.29E-08	1.46E-08	1.04E-08	3.90E-07	2.06E-07	8.73E-08	1.03E-07	4.03E-08	2.06E-07	8.73E-08
4083	487863.09	3854877	6.02E-04	5.88E-04	5.80E-04	2.09E-07	6.30E-07	3.64E-07	3.56E-07	3.22E-07	1.47E-07	1.45E-07	6.96E-09	1.68E-07	3.71E-08	4.83E-08	7.66E-08	1.35E-08	9.58E-09	3.60E-07	1.90E-07	8.07E-08	9.49E-08	3.73E-08	1.90E-07	8.07E-08
4084	488363.09	3854877	5.73E-04	5.59E-04	5.51E-04	1.98E-07	5.98E-07	3.46E-07	3.38E-07	3.06E-07	1.40E-07	1.38E-07	6.62E-09	1.60E-07	3.53E-08	4.59E-08	7.28E-08	1.28E-08	9.10E-09	3.42E-07	1.81E-07	7.67E-08	9.02E-08	3.54E-08	1.81E-07	7.67E-08
4085	488863.09	3854877	5.55E-04	5.41E-04	5.34E-04	1.92E-07	5.80E-07	3.36E-07	3.28E-07	2.97E-07	1.35E-07	1.34E-07	6.41E-09	1.55E-07	3.42E-08	4.45E-08	7.05E-08	1.24E-08	8.82E-09	3.32E-07	1.75E-07	7.43E-08	8.74E-08	3.43E-08	1.75E-07	7.43E-08
4086	489363.09	3854877	5.31E-04	5.18E-04	5.11E-04	1.84E-07	5.55E-07	3.21E-07	3.13E-07	2.84E-07	1.30E-07	1.28E-07	6.13E-09	1.48E-07	3.27E-08	4.25E-08	6.75E-08	1.19E-08	8.43E-09	3.17E-07	1.67E-07	7.11E-08	8.36E-08	3.28E-08	1.67E-07	7.11E-08
4087	489863.09	3854877	4.96E-04	4.84E-04	4.78E-04	1.72E-07	5.19E-07	3.00E-07	2.93E-07	2.66E-07	1.21E-07	1.20E-07	5.74E-09	1.39E-07	3.06E-08	3.98E-08	6.31E-08	1.11E-08	7.89E-09	2.97E-07	1.57E-07	6.64E-08	7.82E-08	3.07E-08	1.57E-07	6.64E-08
4088	490363.09	3854877	4.23E-04	4.13E-04	4.07E-04	1.46E-07	4.42E-07	2.56E-07	2.50E-07	2.26E-07	1.03E-07	1.02E-07	4.89E-09	1.18E-07	2.60E-08	3.39E-08	5.38E-08	9.48E-09	6.72E-09	2.53E-07	1.33E-07	5.66E-08	6.66E-08	2.62E-08	1.33E-07	5.66E-08
4089	490863.09	3854877	3.52E-04	3.44E-04	3.39E-04	1.22E-07	3.68E-07	2.13E-07	2.08E-07	1.89E-07	8.60E-08	8.49E-08	4.07E-09	9.83E-08	2.17E-08	2.82E-08	4.48E-08	7.89E-09	5.60E-09	2.11E-07	1.11E-07	4.72E-08	5.55E-08	2.18E-08	1.11E-07	4.72E-08
4090	491363.09	3854877	3.60E-04	3.51E-04	3.47E-04	1.25E-07	3.76E-07	2.18E-07	2.13E-07	1.93E-07	8.79E-08	8.68E-08	4.16E-09	1.01E-07	2.22E-08	2.89E-08	4.58E-08	8.07E-09	5.72E-09	2.15E-07	1.14E-07	4.82E-08	5.67E-08	2.23E-08	1.14E-07	4.82E-08
4091	491863.09	3854877	4.21E-04	4.11E-04	4.05E-04	1.46E-07	4.40E-07	2.55E-07	2.49E-07	2.25E-07	1.03E-07	1.01E-07	4.87E-09	1.18E-07	2.59E-08	3.38E-08	5.36E-08	9.44E-09	6.69E-09	2.52E-07	1.33E-07	5.64E-08	6.63E-08	2.61E-08	1.33E-07	5.64E-08
4092	492363.09	3854877	4.14E-04	4.04E-04	3.99E-04	1.43E-07	4.33E-07	2.51E-07	2.44E-07	2.22E-07	1.01E-07	9.98E-08	4.79E-09	1.16E-07	2.55E-08	3.32E-08	5.27E-08	9.28E-09	6.58E-09	2.48E-07	1.31E-07	5.54E-08	6.52E-08	2.56E-08	1.31E-07	5.54E-08
4093	492863.09	3854877	3.98E-04	3.88E-04	3.83E-04	1.38E-07	4.16E-07	2.41E-07	2.35E-07	2.13E-07	9.72E-08	9.59E-08	4.60E-09	1.11E-07	2.45E-08	3.19E-08	5.06E-08	8.92E-09	6.32E-09	2.38E-07	1.26E-07	5.33E-08	6.27E-08	2.46E-08	1.26E-07	5.33E-08
4094	493363.09	3854877	3.79E-04	3.70E-04	3.65E-04	1.31E-07	3.96E-07	2.29E-07	2.24E-07	2.03E-07	9.26E-08	9.14E-08	4.38E-09	1.06E-07	2.34E-08	3.04E-08	4.82E-08	8.50E-09	6.03E-09	2.27E-07	1.20E-07	5.08E-08	5.97E-08	2.35E-08	1.20E-07	5.08E-08
4095	493863.09	3854877	3.64E-04	3.55E-04	3.51E-04	1.26E-07	3.81E-07	2.20E-07	2.15E-07	1.95E-07	8.90E-08	8.78E-08	4.21E-09	1.02E-07	2.24E-08	2.92E-08	4.63E-08	8.16E-09	5.79E-09	2.18E-07	1.15E-07	4.88E-08	5.74E-08	2.25E-08	1.15E-07	4.88E-08
4096	494363.09	3854877	3.20E-04	3.13E-04	3.08E-04	1.11E-07	3.35E-07	1.94E-07	1.89E-07	1.71E-07	7.82E-08	7.72E-08	3.70E-09	8.94E-08	1.97E-08	2.57E-08	4.07E-08	7.18E-09	5.09E-09	1.92E-07	1.01E-07	4.29E-08	5.05E-08	1.98E-08	1.01E-07	4.29E-08
4097	494863.09	3854877	2.76E-04	2.69E-04	2.66E-04	9.55E-08	2.88E-07	1.67E-07	1.63E-07	1.48E-07	6.74E-08	6.65E-08	3.19E-09	7.70E-08	1.70E-08	2.21E-08	3.51E-08	6.18E-09	4.39E-09	1.65E-07	8.71E-08	3.69E-08	4.35E-08	1.71E-08	8.71E-08	3.69E-08
4098	495363.09	3854877	2.48E-04	2.42E-04	2.39E-04	8.59E-08	2.59E-07	1.50E-07	1.46E-07	1.33E-07	6.06E-08	5.98E-08	2.87E-09	6.93E-08	1.53E-08	1.99E-08	3.16E-08	5.56E-09	3.94E-09	1.48E-07	7.83E-08	3.32E-08	3.91E-08	1.54E-08	7.83E-08	3.32E-08
4099	495863.09	3854877	2.33E-04	2.27E-04	2.24E-04	8.06E-08	2.43E-07	1.41E-07	1.37E-07	1.25E-07	5.68E-08	5.61E-08	2.69E-09	6.50E-08	1.43E-08	1.87E-08	2.96E-08	5.22E-09	3.70E-09	1.39E-07	7.35E-08	3.12E-08	3.67E-08	1.44E-08	7.35E-08	3.12E-08
4100	496363.09	3854877	2.12E-04	2.07E-04	2.04E-04	7.34E-08	2.22E-07	1.28E-07	1.25E-07	1.13E-07	5.18E-08	5.11E-08	2.45E-09	5.92E-08	1.31E-08	1.70E-08	2.70E-08	4.75E-09	3.37E-09	1.27E-07	6.69E-08	2.84E-08	3.34E-08	1.31E-08	6.69E-08	2.84E-08
4101	496863.09	3854877	2.00E-04	1.95E-04	1.92E-04	6.91E-08	2.09E-07	1.21E-07	1.18E-07	1.07E-07	4.87E-08	4.81E-08	2.31E-09	5.57E-08	1.23E-08	1.60E-08	2.54E-08	4.47E-09	3.17E-09	1.19E-07	6.30E-08	2.67E-08	3.14E-08	1.24E-08	6.30E-08	2.67E-08
4102	497363.09	3854877	1.96E-04	1.91E-04	1.89E-04	6.78E-08	2.05E-07	1.18E-07	1.16E-07	1.05E-07	4.78E-08	4.72E-08	2.26E-09	5.47E-08	1.21E-08	1.57E-08	2.49E-08	4.39E-09	3.11E-09	1.17E-07	6.18E-08	2.62E-08	3.08E-08	1.21E-08	6.18E-08	2.62E-08
4103	497863.09	3854877	2.02E-04	1.98E-04	1.95E-04	7.01E-08	2.12E-07	1.23E-07	1.20E-07	1.08E-07	4.94E-08	4.88E-08	2.34E-09	5.65E-08	1.25E-08	1.62E-08	2.57E-08	4.54E-09	3.22E-09	1.21E-07	6.39E-08	2.71E-08	3.19E-08	1.25E-08	6.39E-08	2.71E-08
4104	498363.09	3854877	2.00E-04	1.95E-04	1.92E-04	6.91E-08	2.09E-07	1.21E-07	1.18E-07	1.07E-07	4.87E-08	4.81E-08	2.31E-09	5.57E-08	1.23E-08	1.60E-08	2.54E-08	4.47E-09	3.17E-09	1.19E-07	6.30E-08	2.67E-08	3.14E-08	1.24E-08	6.30E-08	2.67E-08
4105	471363.09	3855377	1.17E-04	1.15E-04	1.13E-04	4.06E-08	1.23E-07	7.10E-08	6.93E-08	6.28E-08	2.87E-08	2.83E-08	1.36E-09	3.28E-08	7.23E-09	9.41E-09	1.49E-08	2.63E-09	1.87E-09	7.02E-08	3.71E-08	1.57E-08	1.85E-08	7.27E-09	3.71E-08	1.57E-08
4106	471863.09	3855377	1.20E-04	1.17E-04	1.15E-04	4.15E-08	1.25E-07	7.25E-08	7.08E-08	6.42E-08	2.93E-08	2.89E-08	1.39E-09	3.35E-08	7.39E-09	9.61E-09	1.52E-08	2.69E-09	1.91E-09	7.17E-08	3.78E-08	1.61E-08	1.89E-08	7.42E-09	3.78E-08	1.61E-08
4107	472363.09	3855377	1.24E-04	1.21E-04	1.19E-04	4.29E-08	1.30E-07	7.51E-08	7.32E-08	6.64E-08	3.03E-08	2.99E-08	1.43E-09	3.46E-08	7.64E-09	9.94E-09	1.58E-08	2.78E-09	1.97E-09	7.42E-08	3.92E-08	1.66E-08	1.95E-08	7.68E-09	3.92E-08	1.66E-08
4108	472863.09	3855377	1.26E-04	1.23E-04	1.21E-04	4.35E-08	1.31E-07	7.61E-08	7.42E-08	6.73E-08	3.07E-08	3.03E-08	1.45E-09	3.51E-08	7.75E-09	1.01E-08	1.60E-08	2.82E-09	2.00E-09	7.52E-08	3.97E-08	1.68E-08	1.98E-08	7.78E-09	3.97E-08	1.68E-08
4109	473363.09	3855377	1.32E-04	1.28E-04	1.27E-04	4.55E-08	1.37E-07	7.96E-08	7.77E-08	7.04E-08	3.21E-08	3.17E-08	1.52E-09	3.67E-08	8.10E-09	1.05E-08	1.67E-08	2.95E-09	2.09E-09	7.87E-08	4.15E-08	1.76E-08	2.07E-08	8.14E-09	4.15E-08	1.76E-08
4110	473863.09	3855377	1.36E-04	1.33E-04	1.31E-04	4.72E-08	1.43E-07	8.26E-08	8.06E-08	7.31E-08	3.33E-08	3.29E-08	1.58E-09	3.81E-08	8.41E-09	1.09E-08	1.74E-08	3.06E-09	2.17E-09	8.16E-08	4.31E-08	1.83E-08	2.15E-08	8.45E-09	4.31E-08	1.83E-08
4111	474363.09	3855377	1.41E-04	1.37E-04	1.35E-04	4.87E-08	1.47E-07	8.51E-08	8.30E-08	7.53E-08	3.43E-08	3.39E-08	1.63E-09	3.93E-08	8.67E-09	1.13E-08	1.79E-08	3.15E-09	2.24E-09	8.41E-08	4.44E-08	1.88E-08	2.22E-08	8.70E-09	4.44E-08	1.88E-08
4112	474863.09	3855377	1.32E-04	1.28E-04	1.27E-04	4.55E-08	1.37E-07	7.96E-08	7.77E-08	7.04E-08	3.21E-08	3.17E-08	1.52E-09	3.67E-08	8.10E-09	1.05E-08	1.67E-08	2.95E-09	2.09E-09	7.87E-08	4.15E-08	1.76E-08	2.07E-08	8.14E-09	4.15E-08	1.76E-08
4113	475363.09	3855377	1.05E-04	1.03E-04	1.01E-04	3.65E-08	1.10E-07	6.38E-08	6.22E-08	5.64E-08	2.57E-08	2.54E-08	1.22E-09	2.94E-08	6.49E-09	8.45E-09	1.34E-08	2.36E-09	1.68E-09	6.30E-08	3.33E-08	1.41E-08	1.66E-08	6.52E-09	3.33E-08	1.41E-08
4114	475863.09	3855377	1.00E-04	9.80E-05	9.67E-05	3.48E-08	1.05E-07	6.07E-08	5.93E-08	5.37E-08	2.45E-08	2.42E-08	1.16E-09	2.80E-08	6.19E-09	8.05E-09	1.28E-08	2.25E-09	1.60E-09	6.00E-08	3.17E-08	1.34E-08	1.58E-08	6.21E-09	3.17E-08	1.34E-08
4115	476363.09	3855377	1.07E-04	1.04E-04	1.03E-04	3.71E-08	1.12E-07	6.48E-08	6.32E-08	5.73E-08	2.61E-08	2.58E-08	1.24E-09	2.99E-08	6.59E-09	8.58E-09	1.36E-08	2.40E-09	1.70E-09	6.40E-08	3.38E-08	1.43E-08	1.69E-08	6.62E-09	3.38E-08	1.43E-08
4116	476863.09	3855377	1.09E-04	1.06E-04	1.05E-04	3.78E-08	1.14E-07	6.60E-08	6.44E-08	5.84E-08	2.66E-08	2.63E-08	1.26E-09	3.05E-08	6.72E-09	8.75E-09	1.39E-08	2.45E-09	1.73E-09	6.53E-08	3.44E-08	1.46E-08	1.72E-08	6.75E-09	3.44E-08	1.46E-08
4117	477363.09	3855377	1.15E-04	1.12E-04	1.11E-04	3.98E-08	1.20E-07	6.95E-08	6.79E-08	6.15E-08	2.81E-08	2.77E-08	1.33E-09	3.21E-08	7.08E-09	9.21E-09	1.46E-08	2.58E-09	1.83E-09	6.87E-08	3.63E-08	1.54E-08	1.81E-08	7.11E-09	3.63E-08	1.54E-08
4118	477863.09	3855377	1.27E-04	1.24E-04	1.23E-04	4.41E-08	1.33E-07	7.71E-08	7.52E-08	6.82E-08	3.11E-08	3.07E-08	1.47E-09	3.56E-08	7.85E-09	1.02E-08	1.62E-08	2.85E-09	2.02E-09	7.62E-08	4.02E-08	1.71E-08	2.01E-08	7.88E-09	4.02E-08	1.71E-08
4119	478363.09	3855377	1.42E-04	1.38E-04	1.37E-04	4.91E-08	1.48E-07	8.59E-08	8.38E-08	7.59E-08	3.47E-08	3.42E-08	1.64E-09	3.96E-08	8.74E-09	1.14E-08	1.80E-08	3.18E-09	2.26E-09	8.49E-08	4.48E-08	1.90E-08	2.24E-08	8.78E-09	4.48E-08	1.90E-08
4120	478863.09	3855377	1.58E-04	1.54E-04	1.52E-04	5.46E-08	1.65E-07	9.54E-08	9.31E-08	8.44E-08	3.85E-08	3.80E-08	1.82E-09	4.40E-08	9.71E-09	1.26E-08	2.00E-08	3.53E-09	2.51E-09	9.43E-08	4.98E-08	2.11E-08	2.48E-08	9.76E-09	4.98E-08	2.11E-08
4121	479363.09	3855377	1.78E-04	1.73E-04	1.71E-04	6.15E-08	1.86E-07	1.07E-07	1.05E-07	9.50E-08	4.34E-08	4.28E-08	2.05E-09	4.96E-08	1.09E-08	1.42E-08	2.26E-08	3.98E-09	2.82E-09	1.06E-07	5.60E-08	2.38E-08	2.80E-08	1.10E-08	5.60E-08	2.38E-08
4122	479863.09	3855377	2.00E-04	1.95E-04	1.92E-04	6.91E-08	2.09E-07	1.21E-07	1.18E-07	1.07E-07	4.87E-08	4.81E-08	2.31E-09	5.57E-08	1.23E-08	1.60E-08	2.54E-08	4.47E-09	3.17E-09	1.19E-07	6.30E-08	2.67E-08	3.14E-08	1.24E-08	6.30E-08	2.67E-08
4123	480363.09	3855377	2.36E-04	2.30E-04	2.27E-04	8.16E-08	2.46E-07	1.43E-07	1.39E-07	1.26E-07	5.76E-08	5.68E-08	2.72E-09	6.58E-08	1.45E-08	1.89E-08	3.00E-08	5.28E-09	3.75E-09	1.41E-07	7.44E-08	3.16E-08	3.71E-08	1.46E-08	7.44E-08	3.16E-08
4124	480863.09	3855377	2.86E-04	2.79E-04	2.75E-04	9.90E-08	2.99E-07	1.73E-07	1.69E-07	1.53E-07	6.98E-08	6.89E-08	3.30E-09	7.98E-08	1.76E-08	2.29E-08	3.64E-08	6.41E-09	4.54E-09	1.71E-07	9.02E-08	3.83E-08	4.50E-08	1.77E-08	9.02E-08	3.83E-08
4125	481363.09	3855377	3.49E-04	3.41E-04	3.36E-04	1.21E-07	3.65E-07	2.11E-07	2.06E-07	1.87E-07	8.53E-08	8.42E-08	4.04E-09	9.75E-08	2.15E-08	2.80E-08	4.44E-08	7.83E-09	5.55E-09	2.09E-07	1.10E-07	4.68E-08	5.50E-08	2.16E-08	1.10E-07	4.68E-08
4126	481863.09	3855377	4.20E-04	4.10E-04	4.04E-04	1.45E-07	4.39E-07	2.54E-07	2.48E-07	2.25E-07	1.03E-07	1.01E-07	4.85E-09	1.17E-07	2.59E-08	3.37E-08	5.34E-08	9.41E-09	6.67E-09	2.51E-07	1.33E-07	5.62E-08	6.61E-08	2.60E-08	1.33E-07	5.62E-08
4127	482363.09	3855377	5.12E-04	5.00E-04	4.93E-04	1.77E-07	5.35E-07	3.10E-07	3.02E-07	2.74E-07	1.25E-07	1.23E-07	5.92E-09	1.43E-07	3.15E-08	4.10E-08	6.51E-08	1.15E-08	8.14E-09	3.06E-07	1.62E-07	6.86E-08	8.07E-08	3.17E-08	1.62E-07	6.86E-08
4128	482863.09	3855377	6.90E-04	6.74E-04	6.65E-04	2.39E-07	7.22E-07	4.18E-07	4.08E-07	3.69E-07	1.69E-07	1.66E-07	7.98E-09	1.93E-07	4.25E-08	5.53E-08	8.78E-08	1.55E-08	1.10E-08	4.13E-07	2.18E-07	9.24E-08	1.09E-07	4.27E-08	2.18E-07	9.24E-08
4129	483363.09	3855377	1.29E-03	1.26E-03	1.24E-03	4.47E-07	1.35E-06	7.82E-07	7.63E-07	6.91E-07	3.16E-07	3.11E-07	1.49E-08	3.61E-07	7.96E-08	1.04E-07	1.64E-07	2.90E-08	2.05E-08	7.73E-07	4.08E-07	1.73E-07	2.04E-07	8.00E-08	4.08E-07	1.73E-07
4130	483863.09	3855377	6.93E-03	6.76E-03	6.67E-03	2.40E-06	7.24E-06	4.19E-06	4.09E-06	3.71E-06	1.69E-06	1.67E-06	8.01E-08	1.93E-06	4.27E-07	5.55E-07	8.81E-07	1.55E-07	1.10E-07	4.14E-06	2.19E-06	9.27E-07	1.09E-06	4.29E-07	2.19E-06	9.27E-07
4131	484363.09	3855377	1.87E-03	1.83E-03	1.80E-03	6.48E-07	1.96E-06	1.13E-06	1.11E-06	1.00E-06	4.57E-07	4.51E-07	2.17E-08	5.23E-07	1.15E-07	1.50E-07	2.38E-07	4.20E-08	2.98E-08	1.12E-06	5.91E-07	2.51E-07	2.95E-07	1.16E-07	5.91E-07	2.51E-07
4132	484863.09	3855377	2.34E-03	2.28E-03	2.25E-03	8.10E-07	2.44E-06	1.42E-06	1.38E-06	1.25E-06	5.71E-07	5.64E-07	2.70E-08	6.53E-07	1.44E-07	1.88E-07	2.97E-07	5.24E-08	3.72E-08	1.40E-06	7.38E-07	3.13E-07	3.68E-07	1.45E-07	7.38E-07	3.13E-07
4133	485363.09	3855377	4.16E-03	4.06E-03	4.00E-03	1.44E-06	4.34E-06	2.52E-06	2.45E-06	2.22E-06	1.02E-06	1.00E-06	4.80E-08	1.16E-06	2.56E-07	3.33E-07	5.29E-07	9.32E-08	6.61E-08	2.49E-06	1.31E-06	5.57E-07	6.55E-07	2.57E-07	1.31E-06	5.57E-07
4134	485863.09	3855377	1.76E-03	1.72E-03	1.69E-03	6.09E-07	1.84E-06	1.06E-06	1.04E-06	9.42E-07	4.30E-07	4.24E-07	2.03E-08	4.91E-07	1.08E-07	1.41E-07	2.24E-07	3.94E-08	2.80E-08	1.05E-06	5.55E-07	2.36E-07	2.77E-07	1.09E-07	5.55E-07	2.36E-07
4135	486363.09	3855377	1.18E-03	1.15E-03	1.14E-03	4.09E-07	1.24E-06	7.15E-07	6.98E-07	6.33E-07	2.89E-07	2.85E-07	1.37E-08	3.30E-07	7.28E-08	9.48E-08	1.50E-07	2.65E-08	1.88E-08	7.07E-07	3.73E-07	1.58E-07	1.86E-07	7.32E-08	3.73E-07	1.58E-07
4136	486863.09	3855377	9.15E-04	8.93E-04	8.81E-04	3.17E-07	9.57E-07	5.54E-07	5.40E-07	4.90E-07	2.24E-07	2.21E-07	1.06E-08	2.56E-07	5.64E-08	7.34E-08	1.16E-07	2.05E-08	1.45E-08	5.47E-07	2.89E-07	1.23E-07	1.44E-07	5.66E-08	2.89E-07	1.23E-07
4137	487363.09	3855377	8.11E-04	7.91E-04	7.81E-04	2.81E-07	8.48E-07	4.91E-07	4.79E-07	4.34E-07	1.98E-07	1.95E-07	9.38E-09	2.26E-07	5.00E-08	6.50E-08	1.03E-07	1.82E-08	1.29E-08	4.85E-07	2.56E-07	1.09E-07	1.28E-07	5.02E-08	2.56E-07	1.09E-07

4138	487863.09	3855377	7.30E-04	7.12E-04	7.03E-04	2.53E-07	7.63E-07	4.42E-07	4.31E-07	3.91E-07	1.78E-07	1.76E-07	8.44E-09	2.04E-07	4.50E-08	5.85E-08	9.28E-08	1.64E-08	1.16E-08	4.36E-07	2.30E-07	9.77E-08	1.15E-07	4.52E-08	2.30E-07	9.77E-08
4139	488363.09	3855377	6.66E-04	6.50E-04	6.42E-04	2.31E-07	6.96E-07	4.03E-07	3.93E-07	3.57E-07	1.63E-07	1.61E-07	7.70E-09	1.86E-07	4.11E-08	5.34E-08	8.47E-08	1.49E-08	1.06E-08	3.98E-07	2.10E-07	8.92E-08	1.05E-07	4.12E-08	2.10E-07	8.92E-08
4140	488863.09	3855377	6.19E-04	6.04E-04	5.96E-04	2.14E-07	6.47E-07	3.74E-07	3.65E-07	3.31E-07	1.51E-07	1.49E-07	7.15E-09	1.73E-07	3.81E-08	4.96E-08	7.87E-08	1.39E-08	9.83E-09	3.70E-07	1.95E-07	8.28E-08	9.74E-08	3.83E-08	1.95E-07	8.28E-08
4141	489363.09	3855377	5.79E-04	5.65E-04	5.58E-04	2.00E-07	6.05E-07	3.50E-07	3.42E-07	3.10E-07	1.41E-07	1.40E-07	6.69E-09	1.62E-07	3.57E-08	4.64E-08	7.37E-08	1.30E-08	9.21E-09	3.46E-07	1.83E-07	7.76E-08	9.12E-08	3.58E-08	1.83E-07	7.76E-08
4142	489863.09	3855377	5.43E-04	5.30E-04	5.23E-04	1.88E-07	5.67E-07	3.28E-07	3.20E-07	2.90E-07	1.33E-07	1.31E-07	6.27E-09	1.52E-07	3.34E-08	4.35E-08	6.90E-08	1.22E-08	8.63E-09	3.25E-07	1.71E-07	7.27E-08	8.55E-08	3.36E-08	1.71E-07	7.27E-08
4143	490363.09	3855377	5.23E-04	5.10E-04	5.03E-04	1.81E-07	5.46E-07	3.16E-07	3.09E-07	2.80E-07	1.28E-07	1.26E-07	6.04E-09	1.46E-07	3.22E-08	4.19E-08	6.65E-08	1.17E-08	8.31E-09	3.13E-07	1.65E-07	7.00E-08	8.24E-08	3.24E-08	1.65E-07	7.00E-08
4144	490863.09	3855377	4.16E-04	4.06E-04	4.00E-04	1.44E-07	4.35E-07	2.52E-07	2.45E-07	2.22E-07	1.02E-07	1.00E-07	4.81E-09	1.16E-07	2.56E-08	3.33E-08	5.29E-08	9.32E-09	6.61E-09	2.49E-07	1.31E-07	5.57E-08	6.55E-08	2.57E-08	1.31E-07	5.57E-08
4145	491363.09	3855377	3.79E-04	3.70E-04	3.65E-04	1.31E-07	3.96E-07	2.29E-07	2.24E-07	2.03E-07	9.25E-08	9.13E-08	4.38E-09	1.06E-07	2.33E-08	3.04E-08	4.82E-08	8.49E-09	6.02E-09	2.27E-07	1.20E-07	5.07E-08	5.97E-08	2.34E-08	1.20E-07	5.07E-08
4146	491863.09	3855377	4.47E-04	4.36E-04	4.31E-04	1.55E-07	4.67E-07	2.71E-07	2.64E-07	2.39E-07	1.09E-07	1.08E-07	5.17E-09	1.25E-07	2.76E-08	3.59E-08	5.69E-08	1.00E-08	7.11E-09	2.67E-07	1.41E-07	5.99E-08	7.05E-08	2.77E-08	1.41E-07	5.99E-08
4147	492363.09	3855377	4.36E-04	4.25E-04	4.19E-04	1.51E-07	4.55E-07	2.64E-07	2.57E-07	2.33E-07	1.06E-07	1.05E-07	5.04E-09	1.22E-07	2.68E-08	3.49E-08	5.54E-08	9.76E-09	6.92E-09	2.61E-07	1.37E-07	5.83E-08	6.86E-08	2.70E-08	1.37E-07	5.83E-08
4148	492863.09	3855377	4.16E-04	4.06E-04	4.00E-04	1.44E-07	4.35E-07	2.52E-07	2.45E-07	2.22E-07	1.02E-07	1.00E-07	4.81E-09	1.16E-07	2.56E-08	3.33E-08	5.29E-08	9.32E-09	6.61E-09	2.49E-07	1.31E-07	5.57E-08	6.55E-08	2.57E-08	1.31E-07	5.57E-08
4149	493363.09	3855377	3.86E-04	3.77E-04	3.72E-04	1.34E-07	4.04E-07	2.34E-07	2.28E-07	2.07E-07	9.43E-08	9.31E-08	4.46E-09	1.08E-07	2.38E-08	3.10E-08	4.91E-08	8.66E-09	6.14E-09	2.31E-07	1.22E-07	5.17E-08	6.08E-08	2.39E-08	1.22E-07	5.17E-08
4150	493863.09	3855377	3.40E-04	3.32E-04	3.28E-04	1.18E-07	3.56E-07	2.06E-07	2.01E-07	1.82E-07	8.31E-08	8.20E-08	3.93E-09	9.50E-08	2.10E-08	2.73E-08	4.33E-08	7.62E-09	5.41E-09	2.03E-07	1.07E-07	4.56E-08	5.36E-08	2.11E-08	1.07E-07	4.56E-08
4151	494363.09	3855377	2.93E-04	2.86E-04	2.82E-04	1.01E-07	3.06E-07	1.77E-07	1.73E-07	1.57E-07	7.15E-08	7.06E-08	3.39E-09	8.18E-08	1.80E-08	2.35E-08	3.72E-08	6.56E-09	4.66E-09	1.75E-07	9.24E-08	3.92E-08	4.61E-08	1.81E-08	9.24E-08	3.92E-08
4152	494863.09	3855377	2.53E-04	2.47E-04	2.44E-04	8.76E-08	2.65E-07	1.53E-07	1.49E-07	1.35E-07	6.18E-08	6.10E-08	2.93E-09	7.07E-08	1.56E-08	2.03E-08	3.22E-08	5.67E-09	4.02E-09	1.51E-07	7.99E-08	3.39E-08	3.99E-08	1.57E-08	7.99E-08	3.39E-08
4153	495363.09	3855377	2.27E-04	2.21E-04	2.19E-04	7.86E-08	2.37E-07	1.37E-07	1.34E-07	1.21E-07	5.54E-08	5.47E-08	2.62E-09	6.34E-08	1.40E-08	1.82E-08	2.89E-08	5.09E-09	3.61E-09	1.36E-07	7.16E-08	3.04E-08	3.58E-08	1.40E-08	7.16E-08	3.04E-08
4154	495863.09	3855377	2.09E-04	2.04E-04	2.01E-04	7.22E-08	2.18E-07	1.26E-07	1.23E-07	1.12E-07	5.10E-08	5.03E-08	2.41E-09	5.83E-08	1.29E-08	1.67E-08	2.65E-08	4.68E-09	3.32E-09	1.25E-07	6.59E-08	2.79E-08	3.29E-08	1.29E-08	6.59E-08	2.79E-08
4155	496363.09	3855377	2.05E-04	2.00E-04	1.97E-04	7.08E-08	2.14E-07	1.24E-07	1.21E-07	1.09E-07	5.00E-08	4.93E-08	2.36E-09	5.71E-08	1.26E-08	1.64E-08	2.60E-08	4.58E-09	3.25E-09	1.22E-07	6.46E-08	2.74E-08	3.22E-08	1.27E-08	6.46E-08	2.74E-08
4156	496863.09	3855377	2.01E-04	1.96E-04	1.93E-04	6.95E-08	2.10E-07	1.21E-07	1.19E-07	1.07E-07	4.90E-08	4.84E-08	2.32E-09	5.61E-08	1.24E-08	1.61E-08	2.55E-08	4.50E-09	3.19E-09	1.20E-07	6.34E-08	2.69E-08	3.16E-08	1.24E-08	6.34E-08	2.69E-08
4157	497363.09	3855377	2.01E-04	1.96E-04	1.94E-04	6.97E-08	2.10E-07	1.22E-07	1.19E-07	1.08E-07	4.91E-08	4.85E-08	2.33E-09	5.62E-08	1.24E-08	1.61E-08	2.56E-08	4.51E-09	3.20E-09	1.20E-07	6.35E-08	2.69E-08	3.17E-08	1.25E-08	6.35E-08	2.69E-08
4158	497863.09	3855377	2.05E-04	2.00E-04	1.97E-04	7.08E-08	2.14E-07	1.24E-07	1.21E-07	1.09E-07	5.00E-08	4.93E-08	2.36E-09	5.71E-08	1.26E-08	1.64E-08	2.60E-08	4.58E-09	3.25E-09	1.22E-07	6.46E-08	2.74E-08	3.22E-08	1.27E-08	6.46E-08	2.74E-08
4159	498363.09	3855377	2.09E-04	2.04E-04	2.01E-04	7.24E-08	2.19E-07	1.27E-07	1.23E-07	1.12E-07	5.11E-08	5.04E-08	2.42E-09	5.84E-08	1.29E-08	1.68E-08	2.66E-08	4.69E-09	3.32E-09	1.25E-07	6.60E-08	2.80E-08	3.29E-08	1.29E-08	6.60E-08	2.80E-08
4160	471363.09	3855877	1.15E-04	1.12E-04	1.11E-04	3.98E-08	1.20E-07	6.95E-08	6.79E-08	6.15E-08	2.81E-08	2.77E-08	1.33E-09	3.21E-08	7.08E-09	9.21E-09	1.46E-08	2.58E-09	1.83E-09	6.87E-08	3.63E-08	1.54E-08	1.81E-08	7.11E-09	3.63E-08	1.54E-08
4161	471863.09	3855877	1.18E-04	1.15E-04	1.13E-04	4.08E-08	1.23E-07	7.13E-08	6.96E-08	6.31E-08	2.88E-08	2.84E-08	1.36E-09	3.29E-08	7.26E-09	9.45E-09	1.50E-08	2.64E-09	1.87E-09	7.05E-08	3.72E-08	1.58E-08	1.86E-08	7.29E-09	3.72E-08	1.58E-08
4162	472363.09	3855877	1.23E-04	1.20E-04	1.18E-04	4.25E-08	1.28E-07	7.43E-08	7.25E-08	6.57E-08	3.00E-08	2.96E-08	1.42E-09	3.43E-08	7.57E-09	9.84E-09	1.56E-08	2.75E-09	1.95E-09	7.34E-08	3.88E-08	1.64E-08	1.93E-08	7.60E-09	3.88E-08	1.64E-08
4163	472863.09	3855877	1.24E-04	1.21E-04	1.19E-04	4.28E-08	1.29E-07	7.48E-08	7.30E-08	6.62E-08	3.02E-08	2.98E-08	1.43E-09	3.45E-08	7.62E-09	9.91E-09	1.57E-08	2.77E-09	1.97E-09	7.39E-08	3.90E-08	1.66E-08	1.95E-08	7.65E-09	3.90E-08	1.66E-08
4164	473363.09	3855877	1.30E-04	1.27E-04	1.25E-04	4.50E-08	1.36E-07	7.86E-08	7.67E-08	6.95E-08	3.17E-08	3.13E-08	1.50E-09	3.63E-08	8.00E-09	1.04E-08	1.65E-08	2.91E-09	2.06E-09	7.77E-08	4.10E-08	1.74E-08	2.05E-08	8.04E-09	4.10E-08	1.74E-08
4165	473863.09	3855877	1.35E-04	1.32E-04	1.30E-04	4.67E-08	1.41E-07	8.16E-08	7.96E-08	7.22E-08	3.29E-08	3.25E-08	1.56E-09	3.76E-08	8.31E-09	1.08E-08	1.71E-08	3.02E-09	2.14E-09	8.06E-08	4.26E-08	1.81E-08	2.12E-08	8.34E-09	4.26E-08	1.81E-08
4166	474363.09	3855877	1.38E-04	1.35E-04	1.33E-04	4.78E-08	1.44E-07	8.36E-08	8.16E-08	7.39E-08	3.37E-08	3.33E-08	1.60E-09	3.86E-08	8.51E-09	1.11E-08	1.76E-08	3.10E-09	2.20E-09	8.26E-08	4.36E-08	1.85E-08	2.18E-08	8.55E-09	4.36E-08	1.85E-08
4167	474863.09	3855877	1.27E-04	1.23E-04	1.22E-04	4.38E-08	1.32E-07	7.66E-08	7.47E-08	6.77E-08	3.09E-08	3.05E-08	1.46E-09	3.53E-08	7.80E-09	1.01E-08	1.61E-08	2.84E-09	2.01E-09	7.57E-08	3.99E-08	1.69E-08	1.99E-08	7.83E-09	3.99E-08	1.69E-08
4168	475363.09	3855877	1.09E-04	1.06E-04	1.05E-04	3.78E-08	1.14E-07	6.60E-08	6.44E-08	5.84E-08	2.66E-08	2.63E-08	1.26E-09	3.05E-08	6.72E-09	8.75E-09	1.39E-08	2.45E-09	1.73E-09	6.53E-08	3.44E-08	1.46E-08	1.72E-08	6.75E-09	3.44E-08	1.46E-08
4169	475863.09	3855877	9.00E-05	8.79E-05	8.67E-05	3.12E-08	9.41E-08	5.45E-08	5.32E-08	4.82E-08	2.20E-08	2.17E-08	1.04E-09	2.51E-08	5.55E-09	7.22E-09	1.14E-08	2.02E-09	1.43E-09	5.38E-08	2.84E-08	1.21E-08	1.42E-08	5.57E-09	2.84E-08	1.21E-08
4170	476363.09	3855877	9.33E-05	9.11E-05	8.99E-05	3.23E-08	9.76E-08	5.65E-08	5.51E-08	5.00E-08	2.28E-08	2.25E-08	1.08E-09	2.61E-08	5.75E-09	7.48E-09	1.19E-08	2.09E-09	1.48E-09	5.58E-08	2.95E-08	1.25E-08	1.47E-08	5.78E-09	2.95E-08	1.25E-08
4171	476863.09	3855877	1.06E-04	1.04E-04	1.02E-04	3.68E-08	1.11E-07	6.43E-08	6.27E-08	5.68E-08	2.59E-08	2.56E-08	1.23E-09	2.97E-08	6.54E-09	8.51E-09	1.35E-08	2.38E-09	1.69E-09	6.35E-08	3.35E-08	1.42E-08	1.67E-08	6.57E-09	3.35E-08	1.42E-08
4172	477363.09	3855877	1.15E-04	1.13E-04	1.11E-04	3.99E-08	1.21E-07	6.98E-08	6.81E-08	6.17E-08	2.82E-08	2.78E-08	1.33E-09	3.22E-08	7.11E-09	9.25E-09	1.47E-08	2.58E-09	1.83E-09	6.90E-08	3.64E-08	1.54E-08	1.82E-08	7.14E-09	3.64E-08	1.54E-08
4173	477863.09	3855877	1.25E-04	1.22E-04	1.20E-04	4.32E-08	1.31E-07	7.56E-08	7.37E-08	6.68E-08	3.05E-08	3.01E-08	1.44E-09	3.49E-08	7.69E-09	1.00E-08	1.59E-08	2.80E-09	1.98E-09	7.47E-08	3.94E-08	1.67E-08	1.97E-08	7.73E-09	3.94E-08	1.67E-08
4174	478363.09	3855877	1.39E-04	1.35E-04	1.33E-04	4.80E-08	1.45E-07	8.38E-08	8.18E-08	7.42E-08	3.38E-08	3.34E-08	1.60E-09	3.87E-08	8.54E-09	1.11E-08	1.76E-08	3.11E-09	2.20E-09	8.29E-08	4.37E-08	1.86E-08	2.18E-08	8.58E-09	4.37E-08	1.86E-08
4175	478863.09	3855877	1.54E-04	1.51E-04	1.49E-04	5.34E-08	1.61E-07	9.34E-08	9.11E-08	8.26E-08	3.77E-08	3.72E-08	1.78E-09	4.31E-08	9.51E-09	1.24E-08	1.96E-08	3.46E-09	2.45E-09	9.23E-08	4.87E-08	2.07E-08	2.43E-08	9.55E-09	4.87E-08	2.07E-08
4176	479363.09	3855877	1.75E-04	1.71E-04	1.69E-04	6.06E-08	1.83E-07	1.06E-07	1.03E-07	9.37E-08	4.28E-08	4.22E-08	2.02E-09	4.89E-08	1.08E-08	1.40E-08	2.23E-08	3.92E-09	2.78E-09	1.05E-07	5.53E-08	2.34E-08	2.76E-08	1.08E-08	5.53E-08	2.34E-08
4177	479863.09	3855877	1.96E-04	1.91E-04	1.89E-04	6.78E-08	2.05E-07	1.18E-07	1.16E-07	1.05E-07	4.78E-08	4.72E-08	2.26E-09	5.47E-08	1.21E-08	1.57E-08	2.49E-08	4.39E-09	3.11E-09	1.17E-07	6.18E-08	2.62E-08	3.08E-08	1.21E-08	6.18E-08	2.62E-08
4178	480363.09	3855877	2.25E-04	2.20E-04	2.17E-04	7.80E-08	2.35E-07	1.36E-07	1.33E-07	1.21E-07	5.50E-08	5.43E-08	2.60E-09	6.29E-08	1.39E-08	1.81E-08	2.86E-08	5.05E-09	3.58E-09	1.35E-07	7.11E-08	3.02E-08	3.55E-08	1.39E-08	7.11E-08	3.02E-08
4179	480863.09	3855877	2.63E-04	2.57E-04	2.53E-04	9.11E-08	2.75E-07	1.59E-07	1.55E-07	1.41E-07	6.42E-08	6.34E-08	3.04E-09	7.34E-08	1.62E-08	2.11E-08	3.34E-08	5.90E-09	4.18E-09	1.57E-07	8.30E-08	3.52E-08	4.14E-08	1.63E-08	8.30E-08	3.52E-08
4180	481363.09	3855877	2.83E-04	2.76E-04	2.72E-04	9.79E-08	2.96E-07	1.71E-07	1.67E-07	1.51E-07	6.91E-08	6.82E-08	3.27E-09	7.90E-08	1.74E-08	2.27E-08	3.60E-08	6.34E-09	4.50E-09	1.69E-07	8.93E-08	3.79E-08	4.46E-08	1.75E-08	8.93E-08	3.79E-08
4181	481863.09	3855877	3.64E-04	3.55E-04	3.51E-04	1.26E-07	3.81E-07	2.20E-07	2.15E-07	1.95E-07	8.90E-08	8.78E-08	4.21E-09	1.02E-07	2.24E-08	2.92E-08	4.63E-08	8.16E-09	5.79E-09	2.18E-07	1.15E-07	4.88E-08	5.74E-08	2.25E-08	1.15E-07	4.88E-08
4182	482363.09	3855877	4.19E-04	4.08E-04	4.03E-04	1.45E-07	4.38E-07	2.53E-07	2.47E-07	2.24E-07	1.02E-07	1.01E-07	4.84E-09	1.17E-07	2.58E-08	3.36E-08	5.32E-08	9.38E-09	6.65E-09	2.50E-07	1.32E-07	5.61E-08	6.59E-08	2.59E-08	1.32E-07	5.61E-08
4183	482863.09	3855877	5.01E-04	4.89E-04	4.83E-04	1.73E-07	5.24E-07	3.03E-07	2.96E-07	2.68E-07	1.22E-07	1.21E-07	5.79E-09	1.40E-07	3.09E-08	4.02E-08	6.37E-08	1.12E-08	7.97E-09	3.00E-07	1.58E-07	6.71E-08	7.90E-08	3.10E-08	1.58E-07	6.71E-08
4184	483363.09	3855877	6.58E-04	6.42E-04	6.33E-04	2.28E-07	6.87E-07	3.98E-07	3.88E-07	3.52E-07	1.61E-07	1.58E-07	7.60E-09	1.84E-07	4.05E-08	5.27E-08	8.36E-08	1.47E-08	1.05E-08	3.93E-07	2.08E-07	8.81E-08	1.04E-07	4.07E-08	2.08E-07	8.81E-08
4185	483863.09	3855877	1.17E-03	1.14E-03	1.12E-03	4.04E-07	1.22E-06	7.07E-07	6.90E-07	6.25E-07	2.85E-07	2.82E-07	1.35E-08	3.26E-07	7.20E-08	9.37E-08	1.49E-07	2.62E-08	1.86E-08	6.99E-07	3.69E-07	1.56E-07	1.84E-07	7.23E-08	3.69E-07	1.56E-07
4186	484363.09	3855877	1.09E-02	1.07E-02	1.05E-02	3.79E-06	1.14E-05	6.62E-06	6.46E-06	5.85E-06	2.67E-06	2.64E-06	1.26E-07	3.05E-06	6.74E-07	8.77E-07	1.39E-06	2.45E-07	1.74E-07	6.54E-06	3.45E-06	1.46E-06	1.72E-06	6.77E-07	3.45E-06	1.46E-06
4187	484863.09	3855877	2.17E-03	2.12E-03	2.09E-03	7.52E-07	2.27E-06	1.31E-06	1.28E-06	1.16E-06	5.31E-07	5.24E-07	2.51E-08	6.07E-07	1.34E-07	1.74E-07	2.76E-07	4.87E-08	3.45E-08	1.30E-06	6.86E-07	2.91E-07	3.42E-07	1.34E-07	6.86E-07	2.91E-07
4188	485363.09	3855877	2.29E-03	2.23E-03	2.20E-03	7.91E-07	2.39E-06	1.38E-06	1.35E-06	1.22E-06	5.58E-07	5.51E-07	2.64E-08	6.38E-07	1.41E-07	1.83E-07	2.91E-07	5.12E-08	3.63E-08	1.37E-06	7.21E-07	3.06E-07	3.60E-07	1.41E-07	7.21E-07	3.06E-07
4189	485863.09	3855877	4.60E-03	4.49E-03	4.43E-03	1.59E-06	4.81E-06	2.78E-06	2.72E-06	2.46E-06	1.12E-06	1.11E-06	5.32E-08	1.28E-06	2.83E-07	3.69E-07	5.85E-07	1.03E-07	7.31E-08	2.75E-06	1.45E-06	6.16E-07	7.25E-07	2.85E-07	1.45E-06	6.16E-07
4190	486363.09	3855877	1.76E-03	1.72E-03	1.70E-03	6.11E-07	1.84E-06	1.07E-06	1.04E-06	9.44E-07	4.31E-07	4.25E-07	2.04E-08	4.93E-07	1.09E-07	1.41E-07	2.24E-07	3.95E-08	2.80E-08	1.06E-06	5.57E-07	2.36E-07	2.78E-07	1.09E-07	5.57E-07	2.36E-07
4191	486863.09	3855877	1.22E-03	1.19E-03	1.17E-03	4.21E-07	1.27E-06	7.35E-07	7.17E-07	6.50E-07	2.97E-07	2.93E-07	1.40E-08	3.39E-07	7.49E-08	9.74E-08	1.55E-07	2.72E-08	1.93E-08	7.27E-07	3.84E-07	1.63E-07	1.91E-07	7.52E-08	3.84E-07	1.63E-07
4192	487363.09	3855877	1.02E-03	9.94E-04	9.81E-04	3.53E-07	1.06E-06	6.16E-07	6.01E-07	5.45E-07	2.49E-07	2.45E-07	1.18E-08	2.84E-07	6.28E-08	8.16E-08	1.30E-07	2.28E-08	1.62E-08	6.09E-07	3.21E-07	1.36E-07	1.60E-07	6.30E-08	3.21E-07	1.36E-07
4193	487863.09	3855877	8.91E-04	8.70E-04	8.58E-04	3.08E-07	9.31E-07	5.39E-07	5.26E-07	4.77E-07	2.18E-07	2.15E-07	1.03E-08	2.49E-07	5.49E-08	7.14E-08	1.13E-07	2.00E-08	1.42E-08	5.33E-07	2.81E-07	1.19E-07	1.40E-07	5.52E-08	2.81E-07	1.19E-07
4194	488363.09	3855877	7.90E-04	7.71E-04	7.61E-04	2.74E-07	8.26E-07	4.78E-07	4.67E-07	4.23E-07	1.93E-07	1.90E-07	9.14E-09	2.21E-07	4.87E-08	6.34E-08	1.01E-07	1.77E-08	1.26E-08	4.73E-07	2.49E-07	1.06E-07	1.25E-07	4.89E-08	2.49E-07	1.06E-07
4195	488863.09	3855877	7.14E-04	6.97E-04	6.87E-04	2.47E-07	7.46E-07	4.32E-07	4.22E-07	3.82E-07	1.74E-07	1.72E-07	8.25E-09	1.99E-07	4.40E-08	5.72E-08	9.08E-08	1.60E-08	1.13E-08	4.27E-07	2.25E-07	9.56E-08	1.12E-07	4.42E-08	2.25E-07	9.56E-08
4196	489363.09	3855877	6.52E-04	6.36E-04	6.28E-04	2.26E-07	6.81E-07	3.94E-07	3.85E-07	3.49E-07	1.59E-07	1.57E-07	7.53E-09	1.82E-07	4.02E-08	5.22E-08	8.29E-08	1.46E-08	1.04E-08	3.90E-07	2.06E-07	8.73E-08	1.03E-07	4.03E-08	2.06E-07	8.73E-08
4197	489863.09	3855877	6.04E-04	5.89E-04	5.81E-04	2.09E-07	6.31E-07	3.65E-07	3.56E-07	3.23E-07	1.47E-07	1.45E-07	6.98E-09	1.69E-07	3.72E-08	4.84E-08	7.68E-08	1.35E-08	9.60E-09	3.61E-07	1.91E-07	8.08E-08	9.51E-08	3.74E-08	1.91E-07	8.08E-08
4198	490363.09	3855877	5.68E-04	5.54E-04	5.47E-04	1.97E-07	5.94E-07	3.44E-07	3.35E-07	3.04E-07	1.39E-07	1.37E-07	6.57E-09	1.59E-07	3.50E-08	4.55E-08	7.22E-08	1.27E-08	9.03E-09	3.40E-07	1.79E-07	7.61E-08	8.95E-08	3.52E-08	1.79E-07	7.61E-08
4199	490863.09	3855877	5.31E-04	5.18E-04	5.11E-04	1.84E-07	5.55E-07	3.21E-07	3.13E-07	2.84E-07	1.30E-07	1.28E-07	6.13E-09	1.48E-07	3.27E-08	4.25E-08	6.75E-08	1.19E-08	8.43E-09	3.17E-07	1.67E-07	7.11E-08	8.36E-08	3.28E-08	1.67E-07	7.11E-08
4200	491363.09	3855877	4.79E-04	4.68E-04	4.61E-04	1.66E-07	5.01E-07	2.90E-07	2.83E-07	2.56E-07	1.17E-07	1.15E-07	5.54E-09	1.34E-07	2.95E-08	3.84E-08	6.09E-08	1.07E-08	7.62E-09	2.87E-07	1.51E-07	6.42E-08	7.55E-08	2.97E-08	1.51E-07	6.42E-08
4201	491863.09	3855877	4.83E-04	4.72E-04	4.65E-04	1.67E-07	5.05E-07	2.92E-07	2.85E-07	2.59E-07	1.18E-07	1.16E-07	5.59E-09	1.35E-07	2.98E-08	3.87E-08	6.15E-08	1.08E-08	7.68E-09	2.89E-07	1.53E-07	6.47E-08	7.61E-08	2.99E-08	1.53E-07	6.47E-08
4202	492363.09	3855877	4.56E-04	4.45E-04	4.39E-04	1.58E-07	4.77E-07	2.76E-07	2.69E-07	2.44E-07	1.11E-07	1.10E-07	5.27E-09	1.27E-07	2.81E-08	3.66E-08	5.80E-08	1.02E-08	7.25E-09	2.73E-07	1.44E-07	6.11E-08	7.18E-08	2.82E-08	1.44E-07	6.11E-08
4203	492863.09	3855877	4.31E-04	4.21E-04	4.15E-04	1.49E-07	4.51E-07	2.61E-07	2.55E-07	2.31E-07	1.05E-07	1.04E-07	4.99E-09	1.20E-07	2.66E-08	3.46E-08	5.49E-08	9.67E-09	6.86E-09	2.58E-07	1.36E-07	5.78E-08	6.80E-08	2.67E-08	1.36E-07	5.78E-08
4204	493363.09	3855877	3.75E-04	3.66E-04	3.62E-04	1.30E-07	3.92E-07	2.27E-07	2.22E-07	2.01E-07	9.17E-08	9.05E-08	4.34E-09	1.05E-07	2.31E-08	3.01E-08	4.77E-08	8.42E-09	5.97E-09	2.25E-07	1.19E-07	5.03E-08	5.91E-08	2.32E-08	1.19E-07	5.03E-08
4205	493863.09	3855877	3.18E-04	3.10E-04	3.06E-04	1.10E-07	3.32E-07	1.92E-07	1.88E-07	1.70E-07	7.76E-08	7.66E-08	3.67E-09	8.87E-08	1.96E-08	2.55E-08	4.04E-08	7.12E-09	5.05E-09	1.90E-07	1.00E-07	4.26E-08	5.01E-08	1.97E-08	1.00E-07	4.26E-08
4206	494363.09	3855877	2.70E-04	2.64E-04	2.60E-04	9.35E-08	2.82E-07	1.63E-07	1.59E-07	1.45E-07	6.60E-08	6.51E-08	3.12E-09	7.54E-08	1.66E-08	2.17E-08	3.43E-08	6.05E-09	4.29E-09	1.62E-07	8.52E-08	3.62E-08	4.25E-08	1.67E-08	8.52E-08	3.62E-08
4207	494863.09	3855877	2.39E-04	2.34E-04	2.30E-04	8.29E-08	2.50E-07	1.45E-07	1.41E-07	1.28E-07	5.85E-08	5.77E-08	2.77E-09	6.68E-08	1.47E-08	1.92E-08	3.04E-08	5.37E-09	3.81E-09	1.43E-07	7.56E-08	3.21E-08	3.77E-08	1.48E-08	7.56E-08	3.21E-08
4208	495363.09	3855877	2.10E-04	2.04E-04	2.02E-04	7.25E-08	2.19E-07	1.27E-07	1.24E-07	1.12E-07	5.12E-08	5.05E-08	2.42E-09	5.85E-08	1.29E-08	1.68E-08	2.66E-08	4.70E-09	3.33E-09	1.25E-07	6.61E-08	2.81E-08	3.30E-08	1.30E-08	6.61E-08	2.81E-08
4209	495863.09	3855877	2.06E-04	2.01E-04	1.98E-04	7.12E-08	2.15E-07	1.25E-07	1.21E-07	1.10E-07	5.03E-08	4.96E-08	2.38E-09	5.75E-08	1.27E-08	1.65E-08	2.62E-08	4.61E-09	3.27E-09	1.23E-07	6.49E-08	2.76E-08	3.24E-08	1.27E-08	6.49E-08	2.76E-08
4210	496363.09	3855877	2.03E-04	1.98E-04	1.96E-04	7.04E-08	2.12E-07	1.23E-07	1.20E-07	1.09E-07	4.96E-08	4.90E-08	2.35E-09	5.68E-08	1.25E-08	1.63E-08	2.59E-08	4.56E-09	3.23E-09	1.22E-07	6.42E-08	2.72E-08	3.20E-08	1.26E-08	6.42E-08	2.72E-08
4211	496863.09	3855877	2.05E-04	2.00E-04	1.97E-04	7.09E-08	2.14E-07	1.24E-07	1.21E-07	1.10E-07	5.01E-08	4.94E-08	2.37E-09	5.72E-08	1.26E-08	1.64E-08	2.61E-08	4.59E-09	3.26E-09	1.23E-07	6.47E-08	2.74E-08	3.23E-08	1.27E-08	6.47E-08	2.74E-08

4212	497363.09	3855877	2.07E-04	2.02E-04	2.00E-04	7.18E-08	2.17E-07	1.26E-07	1.22E-07	1.11E-07	5.07E-08	5.00E-08	2.40E-09	5.79E-08	1.28E-08	1.66E-08	2.64E-08	4.65E-09	3.30E-09	1.24E-07	6.55E-08	2.78E-08	3.27E-08	1.28E-08	6.55E-08	2.78E-08
4213	497863.09	3855877	2.12E-04	2.07E-04	2.04E-04	7.34E-08	2.22E-07	1.28E-07	1.25E-07	1.13E-07	5.18E-08	5.11E-08	2.45E-09	5.92E-08	1.31E-08	1.70E-08	2.70E-08	4.75E-09	3.37E-09	1.27E-07	6.69E-08	2.84E-08	3.34E-08	1.31E-08	6.69E-08	2.84E-08
4214	498363.09	3855877	2.23E-04	2.18E-04	2.15E-04	7.73E-08	2.33E-07	1.35E-07	1.32E-07	1.19E-07	5.45E-08	5.38E-08	2.58E-09	6.23E-08	1.38E-08	1.79E-08	2.84E-08	5.00E-09	3.55E-09	1.33E-07	7.04E-08	2.99E-08	3.52E-08	1.38E-08	7.04E-08	2.99E-08
4215	471363.09	3856377	1.10E-04	1.08E-04	1.06E-04	3.82E-08	1.15E-07	6.68E-08	6.52E-08	5.91E-08	2.70E-08	2.66E-08	1.28E-09	3.08E-08	6.80E-09	8.85E-09	1.40E-08	2.47E-09	1.75E-09	6.60E-08	3.48E-08	1.48E-08	1.74E-08	6.83E-09	3.48E-08	1.48E-08
4216	471863.09	3856377	1.13E-04	1.10E-04	1.09E-04	3.91E-08	1.18E-07	6.83E-08	6.66E-08	6.04E-08	2.76E-08	2.72E-08	1.30E-09	3.15E-08	6.95E-09	9.05E-09	1.44E-08	2.53E-09	1.79E-09	6.75E-08	3.56E-08	1.51E-08	1.78E-08	6.98E-09	3.56E-08	1.51E-08
4217	472363.09	3856377	1.18E-04	1.15E-04	1.13E-04	4.08E-08	1.23E-07	7.13E-08	6.96E-08	6.31E-08	2.88E-08	2.84E-08	1.36E-09	3.29E-08	7.26E-09	9.45E-09	1.50E-08	2.64E-09	1.87E-09	7.05E-08	3.72E-08	1.58E-08	1.86E-08	7.29E-09	3.72E-08	1.58E-08
4218	472863.09	3856377	1.22E-04	1.19E-04	1.18E-04	4.24E-08	1.28E-07	7.41E-08	7.23E-08	6.55E-08	2.99E-08	2.95E-08	1.41E-09	3.42E-08	7.54E-09	9.81E-09	1.56E-08	2.74E-09	1.95E-09	7.32E-08	3.86E-08	1.64E-08	1.93E-08	7.57E-09	3.86E-08	1.64E-08
4219	473363.09	3856377	1.27E-04	1.23E-04	1.22E-04	4.38E-08	1.32E-07	7.66E-08	7.47E-08	6.77E-08	3.09E-08	3.05E-08	1.46E-09	3.53E-08	7.80E-09	1.01E-08	1.61E-08	2.84E-09	2.01E-09	7.57E-08	3.99E-08	1.69E-08	1.99E-08	7.83E-09	3.99E-08	1.69E-08
4220	473863.09	3856377	1.33E-04	1.30E-04	1.28E-04	4.61E-08	1.39E-07	8.06E-08	7.86E-08	7.13E-08	3.25E-08	3.21E-08	1.54E-09	3.72E-08	8.21E-09	1.07E-08	1.69E-08	2.98E-09	2.12E-09	7.96E-08	4.20E-08	1.78E-08	2.10E-08	8.24E-09	4.20E-08	1.78E-08
4221	474363.09	3856377	1.33E-04	1.30E-04	1.28E-04	4.60E-08	1.39E-07	8.03E-08	7.84E-08	7.11E-08	3.24E-08	3.20E-08	1.53E-09	3.71E-08	8.18E-09	1.06E-08	1.69E-08	2.98E-09	2.11E-09	7.94E-08	4.19E-08	1.78E-08	2.09E-08	8.22E-09	4.19E-08	1.78E-08
4222	474863.09	3856377	1.29E-04	1.26E-04	1.24E-04	4.47E-08	1.35E-07	7.81E-08	7.62E-08	6.91E-08	3.15E-08	3.11E-08	1.49E-09	3.60E-08	7.95E-09	1.03E-08	1.64E-08	2.89E-09	2.05E-09	7.72E-08	4.07E-08	1.73E-08	2.03E-08	7.99E-09	4.07E-08	1.73E-08
4223	475363.09	3856377	1.19E-04	1.17E-04	1.15E-04	4.14E-08	1.25E-07	7.23E-08	7.05E-08	6.40E-08	2.92E-08	2.88E-08	1.38E-09	3.34E-08	7.36E-09	9.58E-09	1.52E-08	2.68E-09	1.90E-09	7.15E-08	3.77E-08	1.60E-08	1.88E-08	7.39E-09	3.77E-08	1.60E-08
4224	475863.09	3856377	1.07E-04	1.05E-04	1.03E-04	3.72E-08	1.12E-07	6.50E-08	6.34E-08	5.75E-08	2.62E-08	2.59E-08	1.24E-09	3.00E-08	6.62E-09	8.61E-09	1.37E-08	2.41E-09	1.71E-09	6.43E-08	3.39E-08	1.44E-08	1.69E-08	6.65E-09	3.39E-08	1.44E-08
4225	476363.09	3856377	1.07E-04	1.05E-04	1.03E-04	3.72E-08	1.12E-07	6.50E-08	6.34E-08	5.75E-08	2.62E-08	2.59E-08	1.24E-09	3.00E-08	6.62E-09	8.61E-09	1.37E-08	2.41E-09	1.71E-09	6.43E-08	3.39E-08	1.44E-08	1.69E-08	6.65E-09	3.39E-08	1.44E-08
4226	476863.09	3856377	1.10E-04	1.08E-04	1.06E-04	3.82E-08	1.15E-07	6.68E-08	6.52E-08	5.91E-08	2.70E-08	2.66E-08	1.28E-09	3.08E-08	6.80E-09	8.85E-09	1.40E-08	2.47E-09	1.75E-09	6.60E-08	3.48E-08	1.48E-08	1.74E-08	6.83E-09	3.48E-08	1.48E-08
4227	477363.09	3856377	1.16E-04	1.13E-04	1.11E-04	4.01E-08	1.21E-07	7.00E-08	6.83E-08	6.20E-08	2.83E-08	2.79E-08	1.34E-09	3.23E-08	7.13E-09	9.28E-09	1.47E-08	2.59E-09	1.84E-09	6.92E-08	3.65E-08	1.55E-08	1.82E-08	7.16E-09	3.65E-08	1.55E-08
4228	477863.09	3856377	1.12E-04	1.10E-04	1.08E-04	3.89E-08	1.18E-07	6.80E-08	6.64E-08	6.02E-08	2.75E-08	2.71E-08	1.30E-09	3.14E-08	6.93E-09	9.01E-09	1.43E-08	2.52E-09	1.79E-09	6.72E-08	3.55E-08	1.51E-08	1.77E-08	6.96E-09	3.55E-08	1.51E-08
4229	478363.09	3856377	1.13E-04	1.11E-04	1.09E-04	3.92E-08	1.18E-07	6.85E-08	6.69E-08	6.06E-08	2.77E-08	2.73E-08	1.31E-09	3.16E-08	6.98E-09	9.08E-09	1.44E-08	2.54E-09	1.80E-09	6.77E-08	3.57E-08	1.52E-08	1.78E-08	7.01E-09	3.57E-08	1.52E-08
4230	478863.09	3856377	1.39E-04	1.35E-04	1.33E-04	4.80E-08	1.45E-07	8.38E-08	8.18E-08	7.42E-08	3.38E-08	3.34E-08	1.60E-09	3.87E-08	8.54E-09	1.11E-08	1.76E-08	3.11E-09	2.20E-09	8.29E-08	4.37E-08	1.86E-08	2.18E-08	8.58E-09	4.37E-08	1.86E-08
4231	479363.09	3856377	1.54E-04	1.50E-04	1.48E-04	5.31E-08	1.60E-07	9.29E-08	9.06E-08	8.22E-08	3.75E-08	3.70E-08	1.77E-09	4.29E-08	9.46E-09	1.23E-08	1.95E-08	3.44E-09	2.44E-09	9.18E-08	4.84E-08	2.06E-08	2.42E-08	9.50E-09	4.84E-08	2.06E-08
4232	479863.09	3856377	1.83E-04	1.79E-04	1.77E-04	6.35E-08	1.92E-07	1.11E-07	1.08E-07	9.81E-08	4.48E-08	4.42E-08	2.12E-09	5.12E-08	1.13E-08	1.47E-08	2.33E-08	4.11E-09	2.91E-09	1.10E-07	5.79E-08	2.46E-08	2.89E-08	1.13E-08	5.79E-08	2.46E-08
4233	480363.09	3856377	2.15E-04	2.10E-04	2.07E-04	7.45E-08	2.25E-07	1.30E-07	1.27E-07	1.15E-07	5.26E-08	5.19E-08	2.49E-09	6.01E-08	1.33E-08	1.73E-08	2.74E-08	4.83E-09	3.42E-09	1.29E-07	6.80E-08	2.88E-08	3.39E-08	1.33E-08	6.80E-08	2.88E-08
4234	480863.09	3856377	2.46E-04	2.40E-04	2.37E-04	8.53E-08	2.58E-07	1.49E-07	1.46E-07	1.32E-07	6.02E-08	5.94E-08	2.85E-09	6.88E-08	1.52E-08	1.98E-08	3.13E-08	5.52E-09	3.92E-09	1.47E-07	7.78E-08	3.30E-08	3.88E-08	1.53E-08	7.78E-08	3.30E-08
4235	481363.09	3856377	2.83E-04	2.76E-04	2.72E-04	9.79E-08	2.96E-07	1.71E-07	1.67E-07	1.51E-07	6.91E-08	6.82E-08	3.27E-09	7.90E-08	1.74E-08	2.27E-08	3.60E-08	6.34E-09	4.50E-09	1.69E-07	8.93E-08	3.79E-08	4.46E-08	1.75E-08	8.93E-08	3.79E-08
4236	481863.09	3856377	3.27E-04	3.19E-04	3.15E-04	1.13E-07	3.42E-07	1.98E-07	1.93E-07	1.75E-07	7.99E-08	7.89E-08	3.78E-09	9.14E-08	2.02E-08	2.62E-08	4.16E-08	7.34E-09	5.20E-09	1.96E-07	1.03E-07	4.38E-08	5.16E-08	2.03E-08	1.03E-07	4.38E-08
4237	482363.09	3856377	3.64E-04	3.55E-04	3.51E-04	1.26E-07	3.81E-07	2.20E-07	2.15E-07	1.95E-07	8.90E-08	8.78E-08	4.21E-09	1.02E-07	2.24E-08	2.92E-08	4.63E-08	8.16E-09	5.79E-09	2.18E-07	1.15E-07	4.88E-08	5.74E-08	2.25E-08	1.15E-07	4.88E-08
4238	482863.09	3856377	4.14E-04	4.04E-04	3.98E-04	1.43E-07	4.32E-07	2.50E-07	2.44E-07	2.21E-07	1.01E-07	9.97E-08	4.78E-09	1.15E-07	2.55E-08	3.32E-08	5.26E-08	9.27E-09	6.57E-09	2.47E-07	1.31E-07	5.54E-08	6.52E-08	2.56E-08	1.31E-07	5.54E-08
4239	483363.09	3856377	4.85E-04	4.74E-04	4.67E-04	1.68E-07	5.07E-07	2.94E-07	2.87E-07	2.60E-07	1.19E-07	1.17E-07	5.61E-09	1.36E-07	2.99E-08	3.89E-08	6.17E-08	1.09E-08	7.72E-09	2.90E-07	1.53E-07	6.50E-08	7.65E-08	3.00E-08	1.53E-07	6.50E-08
4240	483863.09	3856377	6.26E-04	6.11E-04	6.03E-04	2.17E-07	6.55E-07	3.79E-07	3.70E-07	3.35E-07	1.53E-07	1.51E-07	7.24E-09	1.75E-07	3.86E-08	5.02E-08	7.97E-08	1.40E-08	9.96E-09	3.75E-07	1.98E-07	8.39E-08	9.87E-08	3.88E-08	1.98E-07	8.39E-08
4241	484363.09	3856377	1.02E-03	9.96E-04	9.82E-04	3.53E-07	1.07E-06	6.17E-07	6.02E-07	5.46E-07	2.49E-07	2.46E-07	1.18E-08	2.85E-07	6.29E-08	8.18E-08	1.30E-07	2.29E-08	1.62E-08	6.10E-07	3.22E-07	1.37E-07	1.61E-07	6.31E-08	3.22E-07	1.37E-07
4242	484863.09	3856377	8.22E-03	8.02E-03	7.91E-03	2.84E-06	8.59E-06	4.97E-06	4.85E-06	4.40E-06	2.01E-06	1.98E-06	9.50E-08	2.29E-06	5.06E-07	6.59E-07	1.04E-06	1.84E-07	1.31E-07	4.91E-06	2.59E-06	1.10E-06	1.29E-06	5.08E-07	2.59E-06	1.10E-06
4243	485363.09	3856377	2.68E-03	2.62E-03	2.58E-03	9.29E-07	2.80E-06	1.62E-06	1.58E-06	1.44E-06	6.55E-07	6.47E-07	3.10E-08	7.49E-07	1.65E-07	2.15E-07	3.41E-07	6.01E-08	4.27E-08	1.60E-06	8.47E-07	3.59E-07	4.23E-07	1.66E-07	8.47E-07	3.59E-07
4244	485863.09	3856377	2.26E-03	2.20E-03	2.17E-03	7.81E-07	2.36E-06	1.37E-06	1.33E-06	1.21E-06	5.51E-07	5.44E-07	2.61E-08	6.30E-07	1.39E-07	1.81E-07	2.87E-07	5.06E-08	3.59E-08	1.35E-06	7.12E-07	3.02E-07	3.55E-07	1.40E-07	7.12E-07	3.02E-07
4245	486363.09	3856377	5.22E-03	5.10E-03	5.03E-03	1.81E-06	5.46E-06	3.16E-06	3.08E-06	2.80E-06	1.28E-06	1.26E-06	6.04E-08	1.46E-06	3.22E-07	4.19E-07	6.64E-07	1.17E-07	8.30E-08	3.12E-06	1.65E-06	6.99E-07	8.23E-07	3.23E-07	1.65E-06	6.99E-07
4246	486863.09	3856377	1.97E-03	1.92E-03	1.90E-03	6.82E-07	2.06E-06	1.19E-06	1.16E-06	1.06E-06	4.81E-07	4.75E-07	2.28E-08	5.50E-07	1.21E-07	1.58E-07	2.51E-07	4.42E-08	3.13E-08	1.18E-06	6.22E-07	2.64E-07	3.11E-07	1.22E-07	6.22E-07	2.64E-07
4247	487363.09	3856377	1.36E-03	1.33E-03	1.31E-03	4.71E-07	1.42E-06	8.24E-07	8.04E-07	7.29E-07	3.32E-07	3.28E-07	1.57E-08	3.80E-07	8.39E-08	1.09E-07	1.73E-07	3.05E-08	2.16E-08	8.14E-07	4.30E-07	1.82E-07	2.14E-07	8.42E-08	4.30E-07	1.82E-07
4248	487863.09	3856377	1.10E-03	1.07E-03	1.06E-03	3.80E-07	1.15E-06	6.65E-07	6.49E-07	5.88E-07	2.68E-07	2.65E-07	1.27E-08	3.07E-07	6.77E-08	8.81E-08	1.40E-07	2.46E-08	1.75E-08	6.57E-07	3.47E-07	1.47E-07	1.73E-07	6.80E-08	3.47E-07	1.47E-07
4249	488363.09	3856377	9.42E-04	9.19E-04	9.07E-04	3.26E-07	9.85E-07	5.70E-07	5.56E-07	5.04E-07	2.30E-07	2.27E-07	1.09E-08	2.63E-07	5.81E-08	7.55E-08	1.20E-07	2.11E-08	1.50E-08	5.63E-07	2.97E-07	1.26E-07	1.48E-07	5.83E-08	2.97E-07	1.26E-07
4250	488863.09	3856377	8.31E-04	8.11E-04	8.01E-04	2.88E-07	8.69E-07	5.03E-07	4.91E-07	4.45E-07	2.03E-07	2.00E-07	9.61E-09	2.32E-07	5.12E-08	6.66E-08	1.06E-07	1.86E-08	1.32E-08	4.97E-07	2.62E-07	1.11E-07	1.31E-07	5.15E-08	2.62E-07	1.11E-07
4251	489363.09	3856377	7.48E-04	7.30E-04	7.21E-04	2.59E-07	7.82E-07	4.53E-07	4.42E-07	4.01E-07	1.83E-07	1.80E-07	8.65E-09	2.09E-07	4.61E-08	6.00E-08	9.52E-08	1.68E-08	1.19E-08	4.48E-07	2.36E-07	1.00E-07	1.18E-07	4.63E-08	2.36E-07	1.00E-07
4252	489863.09	3856377	6.82E-04	6.66E-04	6.57E-04	2.36E-07	7.13E-07	4.13E-07	4.03E-07	3.65E-07	1.67E-07	1.64E-07	7.88E-09	1.90E-07	4.20E-08	5.47E-08	8.67E-08	1.53E-08	1.08E-08	4.08E-07	2.15E-07	9.13E-08	1.07E-07	4.22E-08	2.15E-07	9.13E-08
4253	490363.09	3856377	6.26E-04	6.11E-04	6.02E-04	2.17E-07	6.54E-07	3.79E-07	3.69E-07	3.35E-07	1.53E-07	1.51E-07	7.23E-09	1.75E-07	3.85E-08	5.02E-08	7.96E-08	1.40E-08	9.94E-09	3.74E-07	1.97E-07	8.38E-08	9.86E-08	3.87E-08	1.97E-07	8.38E-08
4254	490863.09	3856377	5.79E-04	5.65E-04	5.58E-04	2.00E-07	6.05E-07	3.50E-07	3.42E-07	3.10E-07	1.41E-07	1.40E-07	6.69E-09	1.62E-07	3.57E-08	4.64E-08	7.37E-08	1.30E-08	9.21E-09	3.46E-07	1.83E-07	7.76E-08	9.12E-08	3.58E-08	1.83E-07	7.76E-08
4255	491363.09	3856377	5.43E-04	5.30E-04	5.23E-04	1.88E-07	5.68E-07	3.29E-07	3.21E-07	2.91E-07	1.33E-07	1.31E-07	6.28E-09	1.52E-07	3.35E-08	4.35E-08	6.91E-08	1.22E-08	8.63E-09	3.25E-07	1.71E-07	7.27E-08	8.56E-08	3.36E-08	1.71E-07	7.27E-08
4256	491863.09	3856377	5.10E-04	4.98E-04	4.91E-04	1.77E-07	5.33E-07	3.09E-07	3.01E-07	2.73E-07	1.25E-07	1.23E-07	5.89E-09	1.42E-07	3.14E-08	4.09E-08	6.48E-08	1.14E-08	8.10E-09	3.05E-07	1.61E-07	6.83E-08	8.03E-08	3.16E-08	1.61E-07	6.83E-08
4257	492363.09	3856377	4.74E-04	4.63E-04	4.57E-04	1.64E-07	4.96E-07	2.87E-07	2.80E-07	2.54E-07	1.16E-07	1.14E-07	5.48E-09	1.32E-07	2.92E-08	3.80E-08	6.03E-08	1.06E-08	7.54E-09	2.84E-07	1.50E-07	6.35E-08	7.47E-08	2.93E-08	1.50E-07	6.35E-08
4258	492863.09	3856377	4.22E-04	4.12E-04	4.06E-04	1.46E-07	4.41E-07	2.55E-07	2.49E-07	2.26E-07	1.03E-07	1.02E-07	4.88E-09	1.18E-07	2.60E-08	3.38E-08	5.37E-08	9.46E-09	6.71E-09	2.52E-07	1.33E-07	5.65E-08	6.65E-08	2.61E-08	1.33E-07	5.65E-08
4259	493363.09	3856377	3.38E-04	3.30E-04	3.26E-04	1.17E-07	3.53E-07	2.05E-07	2.00E-07	1.81E-07	8.26E-08	8.15E-08	3.91E-09	9.44E-08	2.08E-08	2.71E-08	4.30E-08	7.58E-09	5.37E-09	2.02E-07	1.07E-07	4.53E-08	5.33E-08	2.09E-08	1.07E-07	4.53E-08
4260	493863.09	3856377	3.00E-04	2.93E-04	2.89E-04	1.04E-07	3.14E-07	1.81E-07	1.77E-07	1.61E-07	7.33E-08	7.23E-08	3.47E-09	8.38E-08	1.85E-08	2.40E-08	3.81E-08	6.72E-09	4.77E-09	1.79E-07	9.47E-08	4.02E-08	4.73E-08	1.86E-08	9.47E-08	4.02E-08
4261	494363.09	3856377	2.60E-04	2.53E-04	2.50E-04	8.99E-08	2.71E-07	1.57E-07	1.53E-07	1.39E-07	6.34E-08	6.26E-08	3.00E-09	7.25E-08	1.60E-08	2.08E-08	3.30E-08	5.82E-09	4.13E-09	1.55E-07	8.20E-08	3.48E-08	4.09E-08	1.61E-08	8.20E-08	3.48E-08
4262	494863.09	3856377	2.31E-04	2.25E-04	2.22E-04	7.99E-08	2.41E-07	1.40E-07	1.36E-07	1.23E-07	5.63E-08	5.56E-08	2.67E-09	6.44E-08	1.42E-08	1.85E-08	2.93E-08	5.17E-09	3.67E-09	1.38E-07	7.28E-08	3.09E-08	3.63E-08	1.43E-08	7.28E-08	3.09E-08
4263	495363.09	3856377	2.13E-04	2.08E-04	2.05E-04	7.37E-08	2.22E-07	1.29E-07	1.26E-07	1.14E-07	5.20E-08	5.13E-08	2.46E-09	5.94E-08	1.31E-08	1.71E-08	2.71E-08	4.77E-09	3.38E-09	1.27E-07	6.72E-08	2.85E-08	3.35E-08	1.32E-08	6.72E-08	2.85E-08
4264	495863.09	3856377	2.09E-04	2.04E-04	2.01E-04	7.22E-08	2.18E-07	1.26E-07	1.23E-07	1.12E-07	5.10E-08	5.03E-08	2.41E-09	5.83E-08	1.29E-08	1.67E-08	2.65E-08	4.68E-09	3.32E-09	1.25E-07	6.59E-08	2.79E-08	3.29E-08	1.29E-08	6.59E-08	2.79E-08
4265	496363.09	3856377	2.09E-04	2.04E-04	2.01E-04	7.22E-08	2.18E-07	1.26E-07	1.23E-07	1.12E-07	5.10E-08	5.03E-08	2.41E-09	5.83E-08	1.29E-08	1.67E-08	2.65E-08	4.68E-09	3.32E-09	1.25E-07	6.59E-08	2.79E-08	3.29E-08	1.29E-08	6.59E-08	2.79E-08
4266	496863.09	3856377	2.13E-04	2.08E-04	2.05E-04	7.38E-08	2.23E-07	1.29E-07	1.26E-07	1.14E-07	5.21E-08	5.14E-08	2.47E-09	5.95E-08	1.31E-08	1.71E-08	2.71E-08	4.78E-09	3.39E-09	1.28E-07	6.73E-08	2.86E-08	3.36E-08	1.32E-08	6.73E-08	2.86E-08
4267	497363.09	3856377	2.18E-04	2.13E-04	2.10E-04	7.55E-08	2.28E-07	1.32E-07	1.29E-07	1.17E-07	5.33E-08	5.26E-08	2.52E-09	6.09E-08	1.34E-08	1.75E-08	2.78E-08	4.89E-09	3.47E-09	1.31E-07	6.89E-08	2.92E-08	3.44E-08	1.35E-08	6.89E-08	2.92E-08
4268	497863.09	3856377	2.26E-04	2.20E-04	2.17E-04	7.81E-08	2.36E-07	1.37E-07	1.33E-07	1.21E-07	5.51E-08	5.44E-08	2.61E-09	6.30E-08	1.39E-08	1.81E-08	2.87E-08	5.06E-09	3.59E-09	1.35E-07	7.12E-08	3.02E-08	3.56E-08	1.40E-08	7.12E-08	3.02E-08
4269	498363.09	3856377	2.36E-04	2.30E-04	2.27E-04	8.16E-08	2.46E-07	1.43E-07	1.39E-07	1.26E-07	5.76E-08	5.68E-08	2.72E-09	6.58E-08	1.45E-08	1.89E-08	3.00E-08	5.28E-09	3.75E-09	1.41E-07	7.44E-08	3.16E-08	3.71E-08	1.46E-08	7.44E-08	3.16E-08
4270	471363.09	3856877	1.07E-04	1.04E-04	1.03E-04	3.71E-08	1.12E-07	6.48E-08	6.32E-08	5.73E-08	2.61E-08	2.58E-08	1.24E-09	2.99E-08	6.59E-09	8.58E-09	1.36E-08	2.40E-09	1.70E-09	6.40E-08	3.38E-08	1.43E-08	1.69E-08	6.62E-09	3.38E-08	1.43E-08
4271	471863.09	3856877	1.09E-04	1.06E-04	1.05E-04	3.78E-08	1.14E-07	6.60E-08	6.44E-08	5.84E-08	2.66E-08	2.63E-08	1.26E-09	3.05E-08	6.72E-09	8.75E-09	1.39E-08	2.45E-09	1.73E-09	6.53E-08	3.44E-08	1.46E-08	1.72E-08	6.75E-09	3.44E-08	1.46E-08
4272	472363.09	3856877	1.12E-04	1.10E-04	1.08E-04	3.89E-08	1.18E-07	6.80E-08	6.64E-08	6.02E-08	2.75E-08	2.71E-08	1.30E-09	3.14E-08	6.93E-09	9.01E-09	1.43E-08	2.52E-09	1.79E-09	6.72E-08	3.55E-08	1.51E-08	1.77E-08	6.96E-09	3.55E-08	1.51E-08
4273	472863.09	3856877	1.16E-04	1.13E-04	1.11E-04	4.01E-08	1.21E-07	7.00E-08	6.83E-08	6.20E-08	2.83E-08	2.79E-08	1.34E-09	3.23E-08	7.13E-09	9.28E-09	1.47E-08	2.59E-09	1.84E-09	6.92E-08	3.65E-08	1.55E-08	1.82E-08	7.16E-09	3.65E-08	1.55E-08
4274	473363.09	3856877	1.22E-04	1.19E-04	1.18E-04	4.24E-08	1.28E-07	7.41E-08	7.23E-08	6.55E-08	2.99E-08	2.95E-08	1.41E-09	3.42E-08	7.54E-09	9.81E-09	1.56E-08	2.74E-09	1.95E-09	7.32E-08	3.86E-08	1.64E-08	1.93E-08	7.57E-09	3.86E-08	1.64E-08
4275	473863.09	3856877	1.27E-04	1.23E-04	1.22E-04	4.38E-08	1.32E-07	7.66E-08	7.47E-08	6.77E-08	3.09E-08	3.05E-08	1.46E-09	3.53E-08	7.80E-09	1.01E-08	1.61E-08	2.84E-09	2.01E-09	7.57E-08	3.99E-08	1.69E-08	1.99E-08	7.83E-09	3.99E-08	1.69E-08
4276	474363.09	3856877	1.27E-04	1.24E-04	1.22E-04	4.39E-08	1.33E-07	7.68E-08	7.50E-08	6.79E-08	3.10E-08	3.06E-08	1.47E-09	3.54E-08	7.82E-09	1.02E-08	1.61E-08	2.85E-09	2.02E-09	7.59E-08	4.01E-08	1.70E-08	2.00E-08	7.86E-09	4.01E-08	1.70E-08
4277	474863.09	3856877	1.24E-04	1.21E-04	1.19E-04	4.29E-08	1.30E-07	7.51E-08	7.32E-08	6.64E-08	3.03E-08	2.99E-08	1.43E-09	3.46E-08	7.64E-09	9.94E-09	1.58E-08	2.78E-09	1.97E-09	7.42E-08	3.92E-08	1.66E-08	1.95E-08	7.68E-09	3.92E-08	1.66E-08
4278	475363.09	3856877	1.18E-04	1.15E-04	1.14E-04	4.09E-08	1.24E-07	7.15E-08	6.98E-08	6.33E-08	2.89E-08	2.85E-08	1.37E-09	3.30E-08	7.29E-09	9.48E-09	1.50E-08	2.65E-09	1.88E-09	7.07E-08	3.73E-08	1.58E-08	1.86E-08	7.32E-09	3.73E-08	1.58E-08
4279	475863.09	3856877	1.19E-04	1.16E-04	1.14E-04	4.11E-08	1.24E-07	7.18E-08	7.01E-08	6.35E-08	2.90E-08	2.86E-08	1.37E-09	3.31E-08	7.31E-09	9.51E-09	1.51E-08	2.66E-09	1.89E-09	7.10E-08	3.74E-08	1.59E-08	1.87E-08	7.34E-09	3.74E-08	1.59E-08
4280	476363.09	3856877	1.14E-04	1.11E-04	1.10E-04	3.95E-08	1.19E-07	6.90E-08	6.74E-08	6.11E-08	2.79E-08	2.75E-08	1.32E-09	3.19E-08	7.03E-09	9.15E-09	1.45E-08	2.56E-09	1.81E-09	6.82E-08	3.60E-08	1.53E-08	1.80E-08	7.06E-09	3.60E-08	1.53E-08
4281	476863.09	3856877	1.15E-04	1.12E-04	1.10E-04	3.96E-08	1.20E-07	6.93E-08	6.76E-08	6.13E-08	2.80E-08	2.76E-08	1.32E-09	3.20E-08	7.06E-09	9.18E-09	1.46E-08	2.57E-09	1.82E-09	6.85E-08	3.61E-08	1.53E-08	1.80E-08	7.09E-09	3.61E-08	1.53E-08
4282	477363.09	3856877	1.13E-04	1.11E-04	1.09E-04	3.92E-08	1.18E-07	6.85E-08	6.69E-08	6.06E-08	2.77E-08	2.73E-08	1.31E-09	3.16E-08	6.98E-09	9.08E-09	1.44E-08	2.54E-09	1.80E-09	6.77E-08	3.57E-08	1.52E-08	1.78E-08	7.01E-09	3.57E-08	1.52E-08
4283	477863.09	3856877	1.06E-04	1.04E-04	1.02E-04	3.68E-08	1.11E-07	6.43E-08	6.27E-08	5.68E-08	2.59E-08	2.56E-08	1.23E-09	2.97E-08	6.54E-09	8.51E-09	1.35E-08	2.38E-09	1.69E-09	6.35E-08	3.35E-08	1.42E-08	1.67E-08	6.57E-09	3.35E-08	1.42E-08
4284	478363.09	3856877	1.06E-04	1.04E-04	1.02E-04	3.68E-08	1.11E-07	6.43E-08	6.27E-08	5.68E-08	2.59E-08	2.56E-08	1.23E-09	2.97E-08	6.54E-09	8.51E-09	1.35E-08	2.38E-09	1.69E-09	6.35E-08	3.35E-08	1.42E-08	1.67E-08	6.57E-09	3.35E-08	1.42E-08
4285	478863.09	3856877	1.16E-04	1.13E-04	1.12E-04	4.02E-08	1.21E-07	7.03E-08	6.86E-08	6.22E-08	2.84E-08	2.80E-08	1.34E-09	3.24E-08	7.16E-09	9.31E-09	1.48E-08	2.60E-09	1.85E-09	6.95E-08	3.67E-08	1.56E-08	1.83E-08	7.19E-09	3.67E-08	1.56E-08

4286	479363.09	3856877	1.29E-04	1.26E-04	1.24E-04	4.45E-08	1.34E-07	7.78E-08	7.59E-08	6.88E-08	3.14E-08	3.10E-08	1.49E-09	3.59E-08	7.92E-09	1.03E-08	1.64E-08	2.88E-09	2.04E-09	7.69E-08	4.06E-08	1.72E-08	2.03E-08	7.96E-09	4.06E-08	1.72E-08
4287	479863.09	3856877	1.69E-04	1.65E-04	1.63E-04	5.86E-08	1.77E-07	1.02E-07	9.99E-08	9.06E-08	4.13E-08	4.08E-08	1.96E-09	4.73E-08	1.04E-08	1.36E-08	2.15E-08	3.79E-09	2.69E-09	1.01E-07	5.34E-08	2.27E-08	2.67E-08	1.05E-08	5.34E-08	2.27E-08
4288	480363.09	3856877	2.02E-04	1.97E-04	1.95E-04	6.99E-08	2.11E-07	1.22E-07	1.19E-07	1.08E-07	4.93E-08	4.87E-08	2.34E-09	5.64E-08	1.24E-08	1.62E-08	2.57E-08	4.53E-09	3.21E-09	1.21E-07	6.38E-08	2.71E-08	3.18E-08	1.25E-08	6.38E-08	2.71E-08
4289	480863.09	3856877	2.37E-04	2.31E-04	2.28E-04	8.20E-08	2.48E-07	1.43E-07	1.40E-07	1.27E-07	5.79E-08	5.71E-08	2.74E-09	6.61E-08	1.46E-08	1.90E-08	3.01E-08	5.31E-09	3.77E-09	1.42E-07	7.48E-08	3.17E-08	3.73E-08	1.47E-08	7.48E-08	3.17E-08
4290	481363.09	3856877	2.66E-04	2.59E-04	2.56E-04	9.19E-08	2.78E-07	1.61E-07	1.57E-07	1.42E-07	6.48E-08	6.40E-08	3.07E-09	7.41E-08	1.64E-08	2.13E-08	3.38E-08	5.95E-09	4.22E-09	1.59E-07	8.38E-08	3.56E-08	4.18E-08	1.64E-08	8.38E-08	3.56E-08
4291	481863.09	3856877	2.90E-04	2.83E-04	2.79E-04	1.00E-07	3.03E-07	1.75E-07	1.71E-07	1.55E-07	7.07E-08	6.98E-08	3.35E-09	8.09E-08	1.78E-08	2.32E-08	3.68E-08	6.49E-09	4.60E-09	1.73E-07	9.14E-08	3.88E-08	4.56E-08	1.79E-08	9.14E-08	3.88E-08
4292	482363.09	3856877	3.25E-04	3.17E-04	3.13E-04	1.12E-07	3.40E-07	1.97E-07	1.92E-07	1.74E-07	7.93E-08	7.83E-08	3.76E-09	9.07E-08	2.00E-08	2.60E-08	4.13E-08	7.28E-09	5.16E-09	1.94E-07	1.03E-07	4.35E-08	5.12E-08	2.01E-08	1.03E-07	4.35E-08
4293	482863.09	3856877	3.59E-04	3.50E-04	3.46E-04	1.24E-07	3.75E-07	2.17E-07	2.12E-07	1.92E-07	8.76E-08	8.65E-08	4.15E-09	1.00E-07	2.21E-08	2.88E-08	4.56E-08	8.04E-09	5.70E-09	2.15E-07	1.13E-07	4.81E-08	5.65E-08	2.22E-08	1.13E-07	4.81E-08
4294	483363.09	3856877	4.04E-04	3.94E-04	3.89E-04	1.40E-07	4.22E-07	2.45E-07	2.39E-07	2.16E-07	9.87E-08	9.74E-08	4.67E-09	1.13E-07	2.49E-08	3.24E-08	5.14E-08	9.06E-09	6.42E-09	2.42E-07	1.28E-07	5.41E-08	6.37E-08	2.50E-08	1.28E-07	5.41E-08
4295	483863.09	3856877	4.72E-04	4.61E-04	4.55E-04	1.63E-07	4.93E-07	2.86E-07	2.79E-07	2.53E-07	1.15E-07	1.14E-07	5.46E-09	1.32E-07	2.91E-08	3.78E-08	6.00E-08	1.06E-08	7.50E-09	2.82E-07	1.49E-07	6.32E-08	7.44E-08	2.92E-08	1.49E-07	6.32E-08
4296	484363.09	3856877	6.03E-04	5.89E-04	5.81E-04	2.09E-07	6.31E-07	3.65E-07	3.56E-07	3.23E-07	1.47E-07	1.45E-07	6.97E-09	1.68E-07	3.72E-08	4.84E-08	7.67E-08	1.35E-08	9.59E-09	3.61E-07	1.90E-07	8.08E-08	9.50E-08	3.73E-08	1.90E-07	8.08E-08
4297	484863.09	3856877	8.86E-04	8.64E-04	8.53E-04	3.07E-07	9.26E-07	5.36E-07	5.23E-07	4.74E-07	2.16E-07	2.13E-07	1.02E-08	2.47E-07	5.46E-08	7.10E-08	1.13E-07	1.99E-08	1.41E-08	5.30E-07	2.80E-07	1.19E-07	1.40E-07	5.48E-08	2.80E-07	1.19E-07
4298	485363.09	3856877	2.70E-03	2.64E-03	2.60E-03	9.36E-07	2.83E-06	1.64E-06	1.60E-06	1.45E-06	6.60E-07	6.52E-07	3.13E-08	7.55E-07	1.67E-07	2.17E-07	3.44E-07	6.06E-08	4.30E-08	1.62E-06	8.53E-07	3.62E-07	4.26E-07	1.67E-07	8.53E-07	3.62E-07
4299	485863.09	3856877	3.58E-03	3.49E-03	3.44E-03	1.24E-06	3.74E-06	2.16E-06	2.11E-06	1.91E-06	8.73E-07	8.62E-07	4.13E-08	9.98E-07	2.20E-07	2.87E-07	4.55E-07	8.01E-08	5.68E-08	2.14E-06	1.13E-06	4.79E-07	5.63E-07	2.21E-07	1.13E-06	4.79E-07
4300	486363.09	3856877	2.16E-03	2.11E-03	2.08E-03	7.47E-07	2.25E-06	1.31E-06	1.27E-06	1.15E-06	5.27E-07	5.20E-07	2.49E-08	6.02E-07	1.33E-07	1.73E-07	2.74E-07	4.84E-08	3.43E-08	1.29E-06	6.81E-07	2.89E-07	3.40E-07	1.34E-07	6.81E-07	2.89E-07
4301	486863.09	3856877	6.05E-03	5.91E-03	5.83E-03	2.10E-06	6.33E-06	3.66E-06	3.57E-06	3.24E-06	1.48E-06	1.46E-06	7.00E-08	1.69E-06	3.73E-07	4.85E-07	7.70E-07	1.36E-07	9.62E-08	3.62E-06	1.91E-06	8.11E-07	9.54E-07	3.75E-07	1.91E-06	8.11E-07
4302	487363.09	3856877	2.11E-03	2.06E-03	2.04E-03	7.32E-07	2.21E-06	1.28E-06	1.25E-06	1.13E-06	5.16E-07	5.09E-07	2.44E-08	5.90E-07	1.30E-07	1.69E-07	2.69E-07	4.74E-08	3.36E-08	1.26E-06	6.67E-07	2.83E-07	3.33E-07	1.31E-07	6.67E-07	2.83E-07
4303	487863.09	3856877	1.45E-03	1.41E-03	1.39E-03	5.02E-07	1.51E-06	8.77E-07	8.55E-07	7.75E-07	3.54E-07	3.49E-07	1.67E-08	4.05E-07	8.93E-08	1.16E-07	1.84E-07	3.25E-08	2.30E-08	8.66E-07	4.57E-07	1.94E-07	2.28E-07	8.97E-08	4.57E-07	1.94E-07
4304	488363.09	3856877	1.16E-03	1.13E-03	1.12E-03	4.01E-07	1.21E-06	7.02E-07	6.85E-07	6.21E-07	2.83E-07	2.79E-07	1.34E-08	3.24E-07	7.14E-08	9.30E-08	1.47E-07	2.60E-08	1.84E-08	6.93E-07	3.66E-07	1.55E-07	1.83E-07	7.18E-08	3.66E-07	1.55E-07
4305	488863.09	3856877	9.87E-04	9.63E-04	9.50E-04	3.42E-07	1.03E-06	5.97E-07	5.83E-07	5.28E-07	2.41E-07	2.38E-07	1.14E-08	2.75E-07	6.08E-08	7.91E-08	1.25E-07	2.21E-08	1.57E-08	5.90E-07	3.11E-07	1.32E-07	1.55E-07	6.11E-08	3.11E-07	1.32E-07
4306	489363.09	3856877	8.71E-04	8.50E-04	8.39E-04	3.02E-07	9.11E-07	5.27E-07	5.14E-07	4.66E-07	2.13E-07	2.10E-07	1.01E-08	2.43E-07	5.37E-08	6.98E-08	1.11E-07	1.95E-08	1.38E-08	5.21E-07	2.75E-07	1.17E-07	1.37E-07	5.39E-08	2.75E-07	1.17E-07
4307	489863.09	3856877	7.81E-04	7.62E-04	7.52E-04	2.70E-07	8.17E-07	4.73E-07	4.61E-07	4.18E-07	1.91E-07	1.88E-07	9.03E-09	2.18E-07	4.81E-08	6.26E-08	9.93E-08	1.75E-08	1.24E-08	4.67E-07	2.47E-07	1.05E-07	1.23E-07	4.83E-08	2.47E-07	1.05E-07
4308	490363.09	3856877	7.05E-04	6.88E-04	6.79E-04	2.44E-07	7.37E-07	4.26E-07	4.16E-07	3.77E-07	1.72E-07	1.70E-07	8.15E-09	1.97E-07	4.34E-08	5.65E-08	8.96E-08	1.58E-08	1.12E-08	4.22E-07	2.22E-07	9.44E-08	1.11E-07	4.36E-08	2.22E-07	9.44E-08
4309	490863.09	3856877	6.43E-04	6.27E-04	6.19E-04	2.22E-07	6.72E-07	3.89E-07	3.79E-07	3.44E-07	1.57E-07	1.55E-07	7.43E-09	1.79E-07	3.96E-08	5.15E-08	8.17E-08	1.44E-08	1.02E-08	3.84E-07	2.03E-07	8.61E-08	1.01E-07	3.98E-08	2.03E-07	8.61E-08
4310	491363.09	3856877	5.90E-04	5.76E-04	5.68E-04	2.04E-07	6.17E-07	3.57E-07	3.49E-07	3.16E-07	1.44E-07	1.42E-07	6.82E-09	1.65E-07	3.64E-08	4.73E-08	7.51E-08	1.32E-08	9.38E-09	3.53E-07	1.86E-07	7.91E-08	9.30E-08	3.65E-08	1.86E-07	7.91E-08
4311	491863.09	3856877	5.44E-04	5.31E-04	5.24E-04	1.88E-07	5.68E-07	3.29E-07	3.21E-07	2.91E-07	1.33E-07	1.31E-07	6.29E-09	1.52E-07	3.35E-08	4.36E-08	6.92E-08	1.22E-08	8.65E-09	3.25E-07	1.72E-07	7.28E-08	8.57E-08	3.37E-08	1.72E-07	7.28E-08
4312	492363.09	3856877	4.66E-04	4.55E-04	4.49E-04	1.61E-07	4.87E-07	2.82E-07	2.75E-07	2.49E-07	1.14E-07	1.12E-07	5.39E-09	1.30E-07	2.87E-08	3.73E-08	5.92E-08	1.04E-08	7.41E-09	2.79E-07	1.47E-07	6.24E-08	7.34E-08	2.88E-08	1.47E-07	6.24E-08
4313	492863.09	3856877	4.06E-04	3.96E-04	3.91E-04	1.40E-07	4.24E-07	2.46E-07	2.40E-07	2.17E-07	9.91E-08	9.78E-08	4.69E-09	1.13E-07	2.50E-08	3.25E-08	5.16E-08	9.09E-09	6.45E-09	2.43E-07	1.28E-07	5.43E-08	6.39E-08	2.51E-08	1.28E-07	5.43E-08
4314	493363.09	3856877	3.48E-04	3.39E-04	3.35E-04	1.20E-07	3.63E-07	2.10E-07	2.05E-07	1.86E-07	8.49E-08	8.38E-08	4.02E-09	9.71E-08	2.14E-08	2.79E-08	4.42E-08	7.79E-09	5.53E-09	2.08E-07	1.10E-07	4.66E-08	5.48E-08	2.15E-08	1.10E-07	4.66E-08
4315	493863.09	3856877	2.93E-04	2.86E-04	2.82E-04	1.02E-07	3.07E-07	1.77E-07	1.73E-07	1.57E-07	7.16E-08	7.07E-08	3.39E-09	8.19E-08	1.81E-08	2.35E-08	3.73E-08	6.57E-09	4.66E-09	1.75E-07	9.26E-08	3.93E-08	4.62E-08	1.82E-08	9.26E-08	3.93E-08
4316	494363.09	3856877	2.56E-04	2.49E-04	2.46E-04	8.85E-08	2.67E-07	1.55E-07	1.51E-07	1.37E-07	6.24E-08	6.16E-08	2.95E-09	7.14E-08	1.57E-08	2.05E-08	3.25E-08	5.73E-09	4.06E-09	1.53E-07	8.07E-08	3.42E-08	4.03E-08	1.58E-08	8.07E-08	3.42E-08
4317	494863.09	3856877	2.38E-04	2.32E-04	2.29E-04	8.23E-08	2.48E-07	1.44E-07	1.40E-07	1.27E-07	5.81E-08	5.73E-08	2.75E-09	6.64E-08	1.46E-08	1.91E-08	3.02E-08	5.33E-09	3.78E-09	1.42E-07	7.50E-08	3.18E-08	3.74E-08	1.47E-08	7.50E-08	3.18E-08
4318	495363.09	3856877	2.27E-04	2.22E-04	2.19E-04	7.87E-08	2.38E-07	1.38E-07	1.34E-07	1.22E-07	5.55E-08	5.48E-08	2.63E-09	6.35E-08	1.40E-08	1.82E-08	2.89E-08	5.10E-09	3.61E-09	1.36E-07	7.18E-08	3.04E-08	3.58E-08	1.41E-08	7.18E-08	3.04E-08
4319	495863.09	3856877	2.24E-04	2.19E-04	2.16E-04	7.77E-08	2.35E-07	1.36E-07	1.33E-07	1.20E-07	5.48E-08	5.41E-08	2.59E-09	6.27E-08	1.38E-08	1.80E-08	2.85E-08	5.03E-09	3.57E-09	1.34E-07	7.08E-08	3.01E-08	3.54E-08	1.39E-08	7.08E-08	3.01E-08
4320	496363.09	3856877	2.23E-04	2.17E-04	2.15E-04	7.71E-08	2.33E-07	1.35E-07	1.32E-07	1.19E-07	5.44E-08	5.37E-08	2.58E-09	6.22E-08	1.37E-08	1.79E-08	2.83E-08	4.99E-09	3.54E-09	1.33E-07	7.03E-08	2.98E-08	3.51E-08	1.38E-08	7.03E-08	2.98E-08
4321	496863.09	3856877	2.25E-04	2.20E-04	2.17E-04	7.80E-08	2.35E-07	1.36E-07	1.33E-07	1.21E-07	5.50E-08	5.43E-08	2.60E-09	6.29E-08	1.39E-08	1.81E-08	2.86E-08	5.05E-09	3.58E-09	1.35E-07	7.11E-08	3.02E-08	3.55E-08	1.39E-08	7.11E-08	3.02E-08
4322	497363.09	3856877	2.31E-04	2.25E-04	2.22E-04	7.99E-08	2.41E-07	1.40E-07	1.36E-07	1.23E-07	5.63E-08	5.56E-08	2.67E-09	6.44E-08	1.42E-08	1.85E-08	2.93E-08	5.17E-09	3.67E-09	1.38E-07	7.28E-08	3.09E-08	3.63E-08	1.43E-08	7.28E-08	3.09E-08
4323	497863.09	3856877	2.42E-04	2.36E-04	2.33E-04	8.39E-08	2.53E-07	1.47E-07	1.43E-07	1.30E-07	5.92E-08	5.84E-08	2.80E-09	6.77E-08	1.49E-08	1.94E-08	3.08E-08	5.43E-09	3.85E-09	1.45E-07	7.65E-08	3.24E-08	3.82E-08	1.50E-08	7.65E-08	3.24E-08
4324	498363.09	3856877	2.56E-04	2.50E-04	2.46E-04	8.86E-08	2.68E-07	1.55E-07	1.51E-07	1.37E-07	6.25E-08	6.17E-08	2.96E-09	7.15E-08	1.58E-08	2.05E-08	3.26E-08	5.74E-09	4.07E-09	1.53E-07	8.08E-08	3.43E-08	4.03E-08	1.58E-08	8.08E-08	3.43E-08
4325	471363.09	3857377	1.05E-04	1.02E-04	1.01E-04	3.63E-08	1.10E-07	6.35E-08	6.20E-08	5.62E-08	2.56E-08	2.53E-08	1.21E-09	2.93E-08	6.47E-09	8.41E-09	1.33E-08	2.35E-09	1.67E-09	6.28E-08	3.31E-08	1.41E-08	1.65E-08	6.50E-09	3.31E-08	1.41E-08
4326	471863.09	3857377	1.07E-04	1.04E-04	1.03E-04	3.69E-08	1.11E-07	6.45E-08	6.30E-08	5.71E-08	2.60E-08	2.57E-08	1.23E-09	2.98E-08	6.57E-09	8.55E-09	1.36E-08	2.39E-09	1.69E-09	6.38E-08	3.37E-08	1.43E-08	1.68E-08	6.60E-09	3.37E-08	1.43E-08
4327	472363.09	3857377	1.09E-04	1.06E-04	1.05E-04	3.78E-08	1.14E-07	6.60E-08	6.44E-08	5.84E-08	2.66E-08	2.63E-08	1.26E-09	3.05E-08	6.72E-09	8.75E-09	1.39E-08	2.45E-09	1.73E-09	6.53E-08	3.44E-08	1.46E-08	1.72E-08	6.75E-09	3.44E-08	1.46E-08
4328	472863.09	3857377	1.12E-04	1.10E-04	1.08E-04	3.89E-08	1.18E-07	6.80E-08	6.64E-08	6.02E-08	2.75E-08	2.71E-08	1.30E-09	3.14E-08	6.93E-09	9.01E-09	1.43E-08	2.52E-09	1.79E-09	6.72E-08	3.55E-08	1.51E-08	1.77E-08	6.96E-09	3.55E-08	1.51E-08
4329	473363.09	3857377	1.17E-04	1.14E-04	1.12E-04	4.04E-08	1.22E-07	7.05E-08	6.88E-08	6.24E-08	2.85E-08	2.81E-08	1.35E-09	3.26E-08	7.18E-09	9.35E-09	1.48E-08	2.61E-09	1.85E-09	6.97E-08	3.68E-08	1.56E-08	1.84E-08	7.22E-09	3.68E-08	1.56E-08
4330	473863.09	3857377	1.22E-04	1.19E-04	1.17E-04	4.22E-08	1.27E-07	7.38E-08	7.20E-08	6.53E-08	2.98E-08	2.94E-08	1.41E-09	3.41E-08	7.52E-09	9.78E-09	1.55E-08	2.73E-09	1.94E-09	7.29E-08	3.85E-08	1.63E-08	1.92E-08	7.55E-09	3.85E-08	1.63E-08
4331	474363.09	3857377	1.19E-04	1.16E-04	1.15E-04	4.12E-08	1.24E-07	7.20E-08	7.03E-08	6.37E-08	2.91E-08	2.87E-08	1.38E-09	3.32E-08	7.34E-09	9.55E-09	1.51E-08	2.67E-09	1.89E-09	7.12E-08	3.76E-08	1.59E-08	1.88E-08	7.37E-09	3.76E-08	1.59E-08
4332	474863.09	3857377	1.09E-04	1.06E-04	1.05E-04	3.78E-08	1.14E-07	6.60E-08	6.44E-08	5.84E-08	2.66E-08	2.63E-08	1.26E-09	3.05E-08	6.72E-09	8.75E-09	1.39E-08	2.45E-09	1.73E-09	6.53E-08	3.44E-08	1.46E-08	1.72E-08	6.75E-09	3.44E-08	1.46E-08
4333	475363.09	3857377	9.79E-05	9.55E-05	9.43E-05	3.39E-08	1.02E-07	5.92E-08	5.78E-08	5.24E-08	2.39E-08	2.36E-08	1.13E-09	2.73E-08	6.03E-09	7.85E-09	1.25E-08	2.19E-09	1.56E-09	5.86E-08	3.09E-08	1.31E-08	1.54E-08	6.06E-09	3.09E-08	1.31E-08
4334	475863.09	3857377	9.71E-05	9.47E-05	9.35E-05	3.36E-08	1.01E-07	5.87E-08	5.73E-08	5.20E-08	2.37E-08	2.34E-08	1.12E-09	2.71E-08	5.98E-09	7.78E-09	1.23E-08	2.18E-09	1.54E-09	5.81E-08	3.06E-08	1.30E-08	1.53E-08	6.01E-09	3.06E-08	1.30E-08
4335	476363.09	3857377	1.06E-04	1.04E-04	1.02E-04	3.68E-08	1.11E-07	6.43E-08	6.27E-08	5.68E-08	2.59E-08	2.56E-08	1.23E-09	2.97E-08	6.54E-09	8.51E-09	1.35E-08	2.38E-09	1.69E-09	6.35E-08	3.35E-08	1.42E-08	1.67E-08	6.57E-09	3.35E-08	1.42E-08
4336	476863.09	3857377	1.10E-04	1.08E-04	1.06E-04	3.82E-08	1.15E-07	6.68E-08	6.52E-08	5.91E-08	2.70E-08	2.66E-08	1.28E-09	3.08E-08	6.80E-09	8.85E-09	1.40E-08	2.47E-09	1.75E-09	6.60E-08	3.48E-08	1.48E-08	1.74E-08	6.83E-09	3.48E-08	1.48E-08
4337	477363.09	3857377	1.09E-04	1.06E-04	1.05E-04	3.78E-08	1.14E-07	6.60E-08	6.44E-08	5.84E-08	2.66E-08	2.63E-08	1.26E-09	3.05E-08	6.72E-09	8.75E-09	1.39E-08	2.45E-09	1.73E-09	6.53E-08	3.44E-08	1.46E-08	1.72E-08	6.75E-09	3.44E-08	1.46E-08
4338	477863.09	3857377	1.05E-04	1.02E-04	1.01E-04	3.63E-08	1.10E-07	6.35E-08	6.20E-08	5.62E-08	2.56E-08	2.53E-08	1.21E-09	2.93E-08	6.47E-09	8.41E-09	1.33E-08	2.35E-09	1.67E-09	6.28E-08	3.31E-08	1.41E-08	1.65E-08	6.50E-09	3.31E-08	1.41E-08
4339	478363.09	3857377	1.01E-04	9.88E-05	9.75E-05	3.50E-08	1.06E-07	6.13E-08	5.98E-08	5.42E-08	2.47E-08	2.44E-08	1.17E-09	2.83E-08	6.24E-09	8.12E-09	1.29E-08	2.27E-09	1.61E-09	6.05E-08	3.19E-08	1.36E-08	1.59E-08	6.26E-09	3.19E-08	1.36E-08
4340	478863.09	3857377	9.96E-05	9.72E-05	9.59E-05	3.45E-08	1.04E-07	6.02E-08	5.88E-08	5.33E-08	2.43E-08	2.40E-08	1.15E-09	2.78E-08	6.13E-09	7.98E-09	1.27E-08	2.23E-09	1.58E-09	5.95E-08	3.14E-08	1.33E-08	1.57E-08	6.16E-09	3.14E-08	1.33E-08
4341	479363.09	3857377	1.16E-04	1.13E-04	1.11E-04	4.01E-08	1.21E-07	7.00E-08	6.83E-08	6.20E-08	2.83E-08	2.79E-08	1.34E-09	3.23E-08	7.13E-09	9.28E-09	1.47E-08	2.59E-09	1.84E-09	6.92E-08	3.65E-08	1.55E-08	1.82E-08	7.16E-09	3.65E-08	1.55E-08
4342	479863.09	3857377	1.52E-04	1.49E-04	1.47E-04	5.27E-08	1.59E-07	9.21E-08	8.99E-08	8.15E-08	3.72E-08	3.67E-08	1.76E-09	4.25E-08	9.38E-09	1.22E-08	1.94E-08	3.41E-09	2.42E-09	9.11E-08	4.81E-08	2.04E-08	2.40E-08	9.42E-09	4.81E-08	2.04E-08
4343	480363.09	3857377	1.48E-04	1.45E-04	1.43E-04	5.13E-08	1.55E-07	8.96E-08	8.75E-08	7.93E-08	3.62E-08	3.57E-08	1.71E-09	4.14E-08	9.13E-09	1.19E-08	1.88E-08	3.32E-09	2.35E-09	8.86E-08	4.67E-08	1.98E-08	2.33E-08	9.17E-09	4.67E-08	1.98E-08
4344	480863.09	3857377	2.22E-04	2.17E-04	2.14E-04	7.68E-08	2.32E-07	1.34E-07	1.31E-07	1.19E-07	5.42E-08	5.35E-08	2.57E-09	6.20E-08	1.37E-08	1.78E-08	2.82E-08	4.97E-09	3.53E-09	1.33E-07	7.01E-08	2.97E-08	3.50E-08	1.37E-08	7.01E-08	2.97E-08
4345	481363.09	3857377	2.32E-04	2.26E-04	2.23E-04	8.03E-08	2.42E-07	1.40E-07	1.37E-07	1.24E-07	5.66E-08	5.59E-08	2.68E-09	6.48E-08	1.43E-08	1.86E-08	2.95E-08	5.20E-09	3.69E-09	1.39E-07	7.32E-08	3.11E-08	3.65E-08	1.44E-08	7.32E-08	3.11E-08
4346	481863.09	3857377	2.58E-04	2.52E-04	2.49E-04	8.95E-08	2.70E-07	1.56E-07	1.53E-07	1.38E-07	6.31E-08	6.23E-08	2.99E-09	7.22E-08	1.59E-08	2.07E-08	3.29E-08	5.79E-09	4.11E-09	1.55E-07	8.16E-08	3.46E-08	4.07E-08	1.60E-08	8.16E-08	3.46E-08
4347	482363.09	3857377	2.93E-04	2.86E-04	2.82E-04	1.02E-07	3.07E-07	1.77E-07	1.73E-07	1.57E-07	7.16E-08	7.07E-08	3.39E-09	8.19E-08	1.81E-08	2.35E-08	3.73E-08	6.57E-09	4.66E-09	1.75E-07	9.26E-08	3.93E-08	4.62E-08	1.82E-08	9.26E-08	3.93E-08
4348	482863.09	3857377	3.18E-04	3.10E-04	3.06E-04	1.10E-07	3.32E-07	1.92E-07	1.88E-07	1.70E-07	7.76E-08	7.66E-08	3.67E-09	8.87E-08	1.96E-08	2.55E-08	4.04E-08	7.12E-09	5.05E-09	1.90E-07	1.00E-07	4.26E-08	5.01E-08	1.97E-08	1.00E-07	4.26E-08
4349	483363.09	3857377	3.48E-04	3.40E-04	3.36E-04	1.21E-07	3.64E-07	2.11E-07	2.06E-07	1.87E-07	8.51E-08	8.40E-08	4.03E-09	9.73E-08	2.15E-08	2.79E-08	4.43E-08	7.81E-09	5.54E-09	2.08E-07	1.10E-07	4.67E-08	5.49E-08	2.16E-08	1.10E-07	4.67E-08
4350	483863.09	3857377	3.94E-04	3.85E-04	3.79E-04	1.36E-07	4.12E-07	2.38E-07	2.33E-07	2.11E-07	9.63E-08	9.50E-08	4.56E-09	1.10E-07	2.43E-08	3.16E-08	5.01E-08	8.83E-09	6.26E-09	2.36E-07	1.24E-07	5.28E-08	6.21E-08	2.44E-08	1.24E-07	5.28E-08
4351	484363.09	3857377	4.60E-04	4.49E-04	4.43E-04	1.59E-07	4.81E-07	2.78E-07	2.72E-07	2.46E-07	1.12E-07	1.11E-07	5.32E-09	1.28E-07	2.83E-08	3.69E-08	5.85E-08	1.03E-08	7.31E-09	2.75E-07	1.45E-07	6.16E-08	7.25E-08	2.85E-08	1.45E-07	6.16E-08
4352	484863.09	3857377	5.76E-04	5.62E-04	5.55E-04	1.99E-07	6.02E-07	3.49E-07	3.40E-07	3.08E-07	1.41E-07	1.39E-07	6.66E-09	1.61E-07	3.55E-08	4.62E-08	7.33E-08	1.29E-08	9.16E-09	3.45E-07	1.82E-07	7.72E-08	9.08E-08	3.57E-08	1.82E-07	7.72E-08
4353	485363.09	3857377	7.92E-04	7.73E-04	7.63E-04	2.74E-07	8.28E-07	4.79E-07	4.68E-07	4.24E-07	1.93E-07	1.91E-07	9.16E-09	2.21E-07	4.88E-08	6.35E-08	1.01E-07	1.78E-08	1.26E-08	4.74E-07	2.50E-07	1.06E-07	1.25E-07	4.90E-08	2.50E-07	1.06E-07
4354	485863.09	3857377	1.61E-03	1.57E-03	1.55E-03	5.56E-07	1.68E-06	9.71E-07	9.48E-07	8.59E-07	3.92E-07	3.87E-07	1.86E-08	4.48E-07	9.89E-08	1.29E-07	2.04E-07	3.60E-08	2.55E-08	9.60E-07	5.07E-07	2.15E-07	2.53E-07	9.93E-08	5.07E-07	2.15E-07
4355	486363.09	3857377	5.17E-03	5.04E-03	4.98E-03	1.79E-06	5.40E-06	3.13E-06	3.05E-06	2.77E-06	1.26E-06	1.25E-06	5.98E-08	1.44E-06	3.19E-07	4.14E-07	6.57E-07	1.16E-07	8.22E-08	3.09E-06	1.63E-06	6.92E-07	8.14E-07	3.20E-07	1.63E-06	6.92E-07
4356	486863.09	3857377	2.34E-03	2.28E-03	2.25E-03	8.09E-07	2.44E-06	1.41E-06	1.38E-06	1.25E-06	5.71E-07	5.63E-07	2.70E-08	6.53E-07	1.44E-07	1.87E-07	2.97E-07	5.24E-08	3.72E-08	1.40E-06	7.38E-07	3.13E-07	3.68E-07	1.45E-07	7.38E-07	3.13E-07
4357	487363.09	3857377	7.24E-03	7.06E-03	6.97E-03	2.51E-06	7.57E-06	4.38E-06	4.27E-06	3.87E-06	1.77E-06	1.74E-06	8.37E-08	2.02E-06	4.46E-07	5.80E-07	9.21E-07	1.62E-07	1.15E-07	4.33E-06	2.28E-06	9.69E-07	1.14E-06	4.48E-07	2.28E-06	9.69E-07
4358	487863.09	3857377	2.30E-03	2.25E-03	2.22E-03	7.97E-07	2.41E-06	1.39E-06	1.36E-06	1.23E-06	5.62E-07	5.55E-07	2.66E-08	6.43E-07	1.42E-07	1.85E-07	2.93E-07	5.16E-08	3.66E-08	1.38E-06	7.27E-07	3.08E-07	3.63E-07	1.43E-07	7.27E-07	3.08E-07
4359	488363.09	3857377	1.56E-03	1.53E-03	1.51E-03	5.41E-07	1.63E-06	9.46E-07	9.23E-07	8.37E-07	3.82E-07	3.77E-07	1.81E-08	4.37E-07	9.64E-08	1.25E-07	1.99E-07	3.51E-08	2.49E-08	9.35E-07	4.94E-07	2.09E-07	2.46E-07	9.68E-08	4.94E-07	2.09E-07

4360	488863.09	3857377	1.24E-03	1.21E-03	1.19E-03	4.29E-07	1.30E-06	7.51E-07	7.32E-07	6.64E-07	3.03E-07	2.99E-07	1.43E-08	3.46E-07	7.64E-08	9.94E-08	1.58E-07	2.78E-08	1.97E-08	7.42E-07	3.92E-07	1.66E-07	1.95E-07	7.68E-08	3.92E-07	1.66E-07
4361	489363.09	3857377	1.05E-03	1.02E-03	1.01E-03	3.63E-07	1.09E-06	6.34E-07	6.19E-07	5.61E-07	2.56E-07	2.52E-07	1.21E-08	2.93E-07	6.45E-08	8.40E-08	1.33E-07	2.35E-08	1.67E-08	6.26E-07	3.31E-07	1.40E-07	1.65E-07	6.48E-08	3.31E-07	1.40E-07
4362	489863.09	3857377	9.09E-04	8.87E-04	8.76E-04	3.15E-07	9.51E-07	5.50E-07	5.37E-07	4.87E-07	2.22E-07	2.19E-07	1.05E-08	2.54E-07	5.60E-08	7.29E-08	1.16E-07	2.04E-08	1.45E-08	5.44E-07	2.87E-07	1.22E-07	1.43E-07	5.63E-08	2.87E-07	1.22E-07
4363	490363.09	3857377	8.08E-04	7.89E-04	7.78E-04	2.80E-07	8.45E-07	4.89E-07	4.77E-07	4.33E-07	1.97E-07	1.95E-07	9.34E-09	2.26E-07	4.98E-08	6.48E-08	1.03E-07	1.81E-08	1.28E-08	4.83E-07	2.55E-07	1.08E-07	1.27E-07	5.00E-08	2.55E-07	1.08E-07
4364	490863.09	3857377	7.28E-04	7.11E-04	7.01E-04	2.52E-07	7.61E-07	4.41E-07	4.30E-07	3.90E-07	1.78E-07	1.75E-07	8.42E-09	2.03E-07	4.49E-08	5.84E-08	9.26E-08	1.63E-08	1.16E-08	4.35E-07	2.30E-07	9.75E-08	1.15E-07	4.51E-08	2.30E-07	9.75E-08
4365	491363.09	3857377	6.63E-04	6.47E-04	6.38E-04	2.29E-07	6.93E-07	4.01E-07	3.91E-07	3.55E-07	1.62E-07	1.60E-07	7.66E-09	1.85E-07	4.08E-08	5.31E-08	8.43E-08	1.49E-08	1.05E-08	3.96E-07	2.09E-07	8.88E-08	1.04E-07	4.10E-08	2.09E-07	8.88E-08
4366	491863.09	3857377	5.90E-04	5.76E-04	5.68E-04	2.04E-07	6.17E-07	3.57E-07	3.49E-07	3.16E-07	1.44E-07	1.42E-07	6.82E-09	1.65E-07	3.64E-08	4.73E-08	7.51E-08	1.32E-08	9.38E-09	3.53E-07	1.86E-07	7.91E-08	9.30E-08	3.65E-08	1.86E-07	7.91E-08
4367	492363.09	3857377	4.75E-04	4.63E-04	4.57E-04	1.64E-07	4.96E-07	2.87E-07	2.80E-07	2.54E-07	1.16E-07	1.14E-07	5.49E-09	1.33E-07	2.92E-08	3.80E-08	6.04E-08	1.06E-08	7.54E-09	2.84E-07	1.50E-07	6.36E-08	7.48E-08	2.94E-08	1.50E-07	6.36E-08
4368	492863.09	3857377	3.88E-04	3.79E-04	3.74E-04	1.34E-07	4.05E-07	2.35E-07	2.29E-07	2.08E-07	9.47E-08	9.35E-08	4.48E-09	1.08E-07	2.39E-08	3.11E-08	4.93E-08	8.69E-09	6.17E-09	2.32E-07	1.22E-07	5.19E-08	6.11E-08	2.40E-08	1.22E-07	5.19E-08
4369	493363.09	3857377	3.26E-04	3.18E-04	3.14E-04	1.13E-07	3.41E-07	1.97E-07	1.93E-07	1.75E-07	7.96E-08	7.86E-08	3.77E-09	9.11E-08	2.01E-08	2.61E-08	4.15E-08	7.31E-09	5.18E-09	1.95E-07	1.03E-07	4.37E-08	5.14E-08	2.02E-08	1.03E-07	4.37E-08
4370	493863.09	3857377	3.00E-04	2.93E-04	2.89E-04	1.04E-07	3.14E-07	1.81E-07	1.77E-07	1.61E-07	7.33E-08	7.23E-08	3.47E-09	8.38E-08	1.85E-08	2.40E-08	3.81E-08	6.72E-09	4.77E-09	1.79E-07	9.47E-08	4.02E-08	4.73E-08	1.86E-08	9.47E-08	4.02E-08
4371	494363.09	3857377	2.75E-04	2.69E-04	2.65E-04	9.54E-08	2.88E-07	1.67E-07	1.63E-07	1.47E-07	6.73E-08	6.64E-08	3.18E-09	7.69E-08	1.70E-08	2.21E-08	3.50E-08	6.17E-09	4.38E-09	1.65E-07	8.69E-08	3.69E-08	4.34E-08	1.70E-08	8.69E-08	3.69E-08
4372	494863.09	3857377	2.63E-04	2.57E-04	2.53E-04	9.11E-08	2.75E-07	1.59E-07	1.55E-07	1.41E-07	6.42E-08	6.34E-08	3.04E-09	7.34E-08	1.62E-08	2.11E-08	3.34E-08	5.90E-09	4.18E-09	1.57E-07	8.30E-08	3.52E-08	4.14E-08	1.63E-08	8.30E-08	3.52E-08
4373	495363.09	3857377	2.53E-04	2.47E-04	2.43E-04	8.75E-08	2.64E-07	1.53E-07	1.49E-07	1.35E-07	6.17E-08	6.09E-08	2.92E-09	7.05E-08	1.56E-08	2.03E-08	3.21E-08	5.66E-09	4.02E-09	1.51E-07	7.97E-08	3.38E-08	3.98E-08	1.56E-08	7.97E-08	3.38E-08
4374	495863.09	3857377	2.49E-04	2.43E-04	2.40E-04	8.62E-08	2.60E-07	1.51E-07	1.47E-07	1.33E-07	6.08E-08	6.00E-08	2.88E-09	6.95E-08	1.53E-08	2.00E-08	3.17E-08	5.58E-09	3.96E-09	1.49E-07	7.86E-08	3.33E-08	3.92E-08	1.54E-08	7.86E-08	3.33E-08
4375	496363.09	3857377	2.47E-04	2.41E-04	2.38E-04	8.55E-08	2.58E-07	1.49E-07	1.46E-07	1.32E-07	6.03E-08	5.95E-08	2.85E-09	6.89E-08	1.52E-08	1.98E-08	3.14E-08	5.53E-09	3.92E-09	1.48E-07	7.79E-08	3.31E-08	3.89E-08	1.53E-08	7.79E-08	3.31E-08
4376	496863.09	3857377	2.46E-04	2.40E-04	2.37E-04	8.53E-08	2.58E-07	1.49E-07	1.46E-07	1.32E-07	6.02E-08	5.94E-08	2.85E-09	6.88E-08	1.52E-08	1.98E-08	3.13E-08	5.52E-09	3.92E-09	1.47E-07	7.78E-08	3.30E-08	3.88E-08	1.53E-08	7.78E-08	3.30E-08
4377	497363.09	3857377	2.50E-04	2.44E-04	2.41E-04	8.66E-08	2.61E-07	1.51E-07	1.48E-07	1.34E-07	6.11E-08	6.03E-08	2.89E-09	6.99E-08	1.54E-08	2.01E-08	3.18E-08	5.61E-09	3.98E-09	1.50E-07	7.90E-08	3.35E-08	3.94E-08	1.55E-08	7.90E-08	3.35E-08
4378	497863.09	3857377	2.58E-04	2.52E-04	2.49E-04	8.95E-08	2.70E-07	1.56E-07	1.53E-07	1.38E-07	6.31E-08	6.23E-08	2.99E-09	7.22E-08	1.59E-08	2.07E-08	3.29E-08	5.79E-09	4.11E-09	1.55E-07	8.16E-08	3.46E-08	4.07E-08	1.60E-08	8.16E-08	3.46E-08
4379	498363.09	3857377	2.83E-04	2.76E-04	2.72E-04	9.78E-08	2.95E-07	1.71E-07	1.67E-07	1.51E-07	6.90E-08	6.81E-08	3.27E-09	7.89E-08	1.74E-08	2.26E-08	3.59E-08	6.33E-09	4.49E-09	1.69E-07	8.92E-08	3.78E-08	4.45E-08	1.75E-08	8.92E-08	3.78E-08
4380	471363.09	3857877	1.01E-04	9.88E-05	9.75E-05	3.50E-08	1.06E-07	6.13E-08	5.98E-08	5.42E-08	2.47E-08	2.44E-08	1.17E-09	2.83E-08	6.24E-09	8.12E-09	1.29E-08	2.27E-09	1.61E-09	6.05E-08	3.19E-08	1.36E-08	1.59E-08	6.26E-09	3.19E-08	1.36E-08
4381	471863.09	3857877	1.03E-04	1.00E-04	9.91E-05	3.56E-08	1.08E-07	6.23E-08	6.07E-08	5.51E-08	2.51E-08	2.48E-08	1.19E-09	2.87E-08	6.34E-09	8.25E-09	1.31E-08	2.31E-09	1.64E-09	6.15E-08	3.25E-08	1.38E-08	1.62E-08	6.37E-09	3.25E-08	1.38E-08
4382	472363.09	3857877	1.05E-04	1.03E-04	1.01E-04	3.65E-08	1.10E-07	6.38E-08	6.22E-08	5.64E-08	2.57E-08	2.54E-08	1.22E-09	2.94E-08	6.49E-09	8.45E-09	1.34E-08	2.36E-09	1.68E-09	6.30E-08	3.33E-08	1.41E-08	1.66E-08	6.52E-09	3.33E-08	1.41E-08
4383	472863.09	3857877	1.10E-04	1.07E-04	1.05E-04	3.79E-08	1.14E-07	6.63E-08	6.47E-08	5.86E-08	2.67E-08	2.64E-08	1.27E-09	3.06E-08	6.75E-09	8.78E-09	1.39E-08	2.45E-09	1.74E-09	6.55E-08	3.46E-08	1.47E-08	1.73E-08	6.78E-09	3.46E-08	1.47E-08
4384	473363.09	3857877	1.12E-04	1.10E-04	1.08E-04	3.89E-08	1.18E-07	6.80E-08	6.64E-08	6.02E-08	2.75E-08	2.71E-08	1.30E-09	3.14E-08	6.93E-09	9.01E-09	1.43E-08	2.52E-09	1.79E-09	6.72E-08	3.55E-08	1.51E-08	1.77E-08	6.96E-09	3.55E-08	1.51E-08
4385	473863.09	3857877	1.17E-04	1.14E-04	1.13E-04	4.05E-08	1.22E-07	7.08E-08	6.91E-08	6.26E-08	2.86E-08	2.82E-08	1.35E-09	3.27E-08	7.21E-09	9.38E-09	1.49E-08	2.62E-09	1.86E-09	7.00E-08	3.69E-08	1.57E-08	1.84E-08	7.24E-09	3.69E-08	1.57E-08
4386	474363.09	3857877	1.13E-04	1.10E-04	1.09E-04	3.91E-08	1.18E-07	6.83E-08	6.66E-08	6.04E-08	2.76E-08	2.72E-08	1.30E-09	3.15E-08	6.95E-09	9.05E-09	1.44E-08	2.53E-09	1.79E-09	6.75E-08	3.56E-08	1.51E-08	1.78E-08	6.98E-09	3.56E-08	1.51E-08
4387	474863.09	3857877	1.02E-04	9.96E-05	9.83E-05	3.53E-08	1.07E-07	6.18E-08	6.03E-08	5.46E-08	2.49E-08	2.46E-08	1.18E-09	2.85E-08	6.29E-09	8.18E-09	1.30E-08	2.29E-09	1.62E-09	6.10E-08	3.22E-08	1.37E-08	1.61E-08	6.32E-09	3.22E-08	1.37E-08
4388	475363.09	3857877	8.59E-05	8.38E-05	8.27E-05	2.97E-08	8.98E-08	5.20E-08	5.07E-08	4.60E-08	2.10E-08	2.07E-08	9.93E-10	2.40E-08	5.29E-09	6.88E-09	1.09E-08	1.92E-09	1.37E-09	5.14E-08	2.71E-08	1.15E-08	1.35E-08	5.31E-09	2.71E-08	1.15E-08
4389	475863.09	3857877	7.18E-05	7.00E-05	6.91E-05	2.48E-08	7.50E-08	4.34E-08	4.24E-08	3.84E-08	1.75E-08	1.73E-08	8.30E-10	2.00E-08	4.42E-09	5.75E-09	9.13E-09	1.61E-09	1.14E-09	4.29E-08	2.27E-08	9.61E-09	1.13E-08	4.44E-09	2.27E-08	9.61E-09
4390	476363.09	3857877	9.09E-05	8.87E-05	8.75E-05	3.15E-08	9.50E-08	5.50E-08	5.36E-08	4.86E-08	2.22E-08	2.19E-08	1.05E-09	2.54E-08	5.60E-09	7.28E-09	1.16E-08	2.04E-09	1.44E-09	5.43E-08	2.87E-08	1.22E-08	1.43E-08	5.62E-09	2.87E-08	1.22E-08
4391	476863.09	3857877	9.87E-05	9.64E-05	9.51E-05	3.42E-08	1.03E-07	5.97E-08	5.83E-08	5.28E-08	2.41E-08	2.38E-08	1.14E-09	2.76E-08	6.08E-09	7.92E-09	1.26E-08	2.21E-09	1.57E-09	5.91E-08	3.12E-08	1.32E-08	1.56E-08	6.11E-09	3.12E-08	1.32E-08
4392	477363.09	3857877	1.01E-04	9.84E-05	9.71E-05	3.49E-08	1.05E-07	6.10E-08	5.95E-08	5.40E-08	2.46E-08	2.43E-08	1.17E-09	2.81E-08	6.21E-09	8.08E-09	1.28E-08	2.26E-09	1.60E-09	6.03E-08	3.18E-08	1.35E-08	1.59E-08	6.24E-09	3.18E-08	1.35E-08
4393	477863.09	3857877	1.02E-04	1.00E-04	9.87E-05	3.55E-08	1.07E-07	6.20E-08	6.05E-08	5.48E-08	2.50E-08	2.47E-08	1.18E-09	2.86E-08	6.31E-09	8.21E-09	1.30E-08	2.30E-09	1.63E-09	6.13E-08	3.23E-08	1.37E-08	1.61E-08	6.34E-09	3.23E-08	1.37E-08
4394	478363.09	3857877	9.25E-05	9.03E-05	8.91E-05	3.20E-08	9.67E-08	5.60E-08	5.46E-08	4.95E-08	2.26E-08	2.23E-08	1.07E-09	2.58E-08	5.70E-09	7.42E-09	1.18E-08	2.07E-09	1.47E-09	5.53E-08	2.92E-08	1.24E-08	1.46E-08	5.73E-09	2.92E-08	1.24E-08
4395	478863.09	3857877	9.09E-05	8.87E-05	8.75E-05	3.15E-08	9.50E-08	5.50E-08	5.36E-08	4.86E-08	2.22E-08	2.19E-08	1.05E-09	2.54E-08	5.60E-09	7.28E-09	1.16E-08	2.04E-09	1.44E-09	5.43E-08	2.87E-08	1.22E-08	1.43E-08	5.62E-09	2.87E-08	1.22E-08
4396	479363.09	3857877	1.40E-04	1.37E-04	1.35E-04	4.85E-08	1.47E-07	8.48E-08	8.28E-08	7.51E-08	3.42E-08	3.38E-08	1.62E-09	3.92E-08	8.64E-09	1.12E-08	1.78E-08	3.14E-09	2.23E-09	8.39E-08	4.43E-08	1.88E-08	2.21E-08	8.68E-09	4.43E-08	1.88E-08
4397	479863.09	3857877	1.76E-04	1.72E-04	1.70E-04	6.10E-08	1.84E-07	1.07E-07	1.04E-07	9.44E-08	4.31E-08	4.25E-08	2.04E-09	4.92E-08	1.09E-08	1.41E-08	2.24E-08	3.95E-09	2.80E-09	1.05E-07	5.57E-08	2.36E-08	2.78E-08	1.09E-08	5.57E-08	2.36E-08
4398	480363.09	3857877	1.96E-04	1.91E-04	1.89E-04	6.79E-08	2.05E-07	1.19E-07	1.16E-07	1.05E-07	4.79E-08	4.73E-08	2.27E-09	5.48E-08	1.21E-08	1.57E-08	2.50E-08	4.40E-09	3.12E-09	1.17E-07	6.19E-08	2.63E-08	3.09E-08	1.21E-08	6.19E-08	2.63E-08
4399	480863.09	3857877	2.07E-04	2.02E-04	1.99E-04	7.15E-08	2.16E-07	1.25E-07	1.22E-07	1.11E-07	5.05E-08	4.98E-08	2.39E-09	5.77E-08	1.27E-08	1.66E-08	2.63E-08	4.63E-09	3.28E-09	1.24E-07	6.52E-08	2.77E-08	3.25E-08	1.28E-08	6.52E-08	2.77E-08
4400	481363.09	3857877	2.17E-04	2.12E-04	2.09E-04	7.53E-08	2.27E-07	1.32E-07	1.28E-07	1.16E-07	5.31E-08	5.24E-08	2.51E-09	6.07E-08	1.34E-08	1.74E-08	2.76E-08	4.87E-09	3.46E-09	1.30E-07	6.86E-08	2.91E-08	3.42E-08	1.35E-08	6.86E-08	2.91E-08
4401	481863.09	3857877	2.34E-04	2.29E-04	2.26E-04	8.11E-08	2.45E-07	1.42E-07	1.38E-07	1.25E-07	5.72E-08	5.65E-08	2.71E-09	6.55E-08	1.44E-08	1.88E-08	2.98E-08	5.25E-09	3.73E-09	1.40E-07	7.40E-08	3.14E-08	3.69E-08	1.45E-08	7.40E-08	3.14E-08
4402	482363.09	3857877	2.63E-04	2.57E-04	2.53E-04	9.11E-08	2.75E-07	1.59E-07	1.55E-07	1.41E-07	6.42E-08	6.34E-08	3.04E-09	7.34E-08	1.62E-08	2.11E-08	3.34E-08	5.90E-09	4.18E-09	1.57E-07	8.30E-08	3.52E-08	4.14E-08	1.63E-08	8.30E-08	3.52E-08
4403	482863.09	3857877	2.86E-04	2.79E-04	2.75E-04	9.90E-08	2.99E-07	1.73E-07	1.69E-07	1.53E-07	6.98E-08	6.89E-08	3.30E-09	7.98E-08	1.76E-08	2.29E-08	3.64E-08	6.41E-09	4.54E-09	1.71E-07	9.02E-08	3.83E-08	4.50E-08	1.77E-08	9.02E-08	3.83E-08
4404	483363.09	3857877	3.08E-04	3.01E-04	2.97E-04	1.07E-07	3.22E-07	1.87E-07	1.82E-07	1.65E-07	7.53E-08	7.43E-08	3.56E-09	8.61E-08	1.90E-08	2.47E-08	3.92E-08	6.91E-09	4.90E-09	1.84E-07	9.73E-08	4.13E-08	4.86E-08	1.91E-08	9.73E-08	4.13E-08
4405	483863.09	3857877	3.40E-04	3.32E-04	3.28E-04	1.18E-07	3.56E-07	2.06E-07	2.01E-07	1.82E-07	8.31E-08	8.20E-08	3.93E-09	9.50E-08	2.10E-08	2.73E-08	4.33E-08	7.62E-09	5.41E-09	2.03E-07	1.07E-07	4.56E-08	5.36E-08	2.11E-08	1.07E-07	4.56E-08
4406	484363.09	3857877	3.80E-04	3.71E-04	3.66E-04	1.32E-07	3.98E-07	2.30E-07	2.25E-07	2.04E-07	9.29E-08	9.17E-08	4.40E-09	1.06E-07	2.34E-08	3.05E-08	4.84E-08	8.53E-09	6.05E-09	2.28E-07	1.20E-07	5.09E-08	5.99E-08	2.35E-08	1.20E-07	5.09E-08
4407	484863.09	3857877	4.48E-04	4.37E-04	4.31E-04	1.55E-07	4.68E-07	2.71E-07	2.64E-07	2.40E-07	1.09E-07	1.08E-07	5.17E-09	1.25E-07	2.76E-08	3.59E-08	5.69E-08	1.00E-08	7.12E-09	2.68E-07	1.41E-07	5.99E-08	7.05E-08	2.77E-08	1.41E-07	5.99E-08
4408	485363.09	3857877	5.47E-04	5.34E-04	5.27E-04	1.89E-07	5.72E-07	3.31E-07	3.23E-07	2.93E-07	1.34E-07	1.32E-07	6.33E-09	1.53E-07	3.37E-08	4.39E-08	6.96E-08	1.23E-08	8.70E-09	3.27E-07	1.73E-07	7.33E-08	8.62E-08	3.39E-08	1.73E-07	7.33E-08
4409	485863.09	3857877	7.19E-04	7.01E-04	6.92E-04	2.49E-07	7.51E-07	4.35E-07	4.24E-07	3.85E-07	1.75E-07	1.73E-07	8.31E-09	2.01E-07	4.43E-08	5.76E-08	9.14E-08	1.61E-08	1.14E-08	4.30E-07	2.27E-07	9.62E-08	1.13E-07	4.45E-08	2.27E-07	9.62E-08
4410	486363.09	3857877	1.18E-03	1.15E-03	1.13E-03	4.07E-07	1.23E-06	7.11E-07	6.94E-07	6.29E-07	2.87E-07	2.83E-07	1.36E-08	3.28E-07	7.24E-08	9.43E-08	1.50E-07	2.64E-08	1.87E-08	7.03E-07	3.71E-07	1.57E-07	1.85E-07	7.28E-08	3.71E-07	1.57E-07
4411	486863.09	3857877	7.49E-03	7.30E-03	7.21E-03	2.59E-06	7.82E-06	4.53E-06	4.42E-06	4.01E-06	1.83E-06	1.80E-06	8.65E-08	2.09E-06	4.61E-07	6.00E-07	9.52E-07	1.68E-07	1.19E-07	4.48E-06	2.36E-06	1.00E-06	1.18E-06	4.63E-07	2.36E-06	1.00E-06
4412	487363.09	3857877	3.83E-03	3.73E-03	3.68E-03	1.32E-06	4.00E-06	2.31E-06	2.26E-06	2.05E-06	9.34E-07	9.22E-07	4.42E-08	1.07E-06	2.36E-07	3.07E-07	4.86E-07	8.57E-08	6.08E-08	2.29E-06	1.21E-06	5.12E-07	6.03E-07	2.37E-07	1.21E-06	5.12E-07
4413	487863.09	3857877	8.92E-03	8.70E-03	8.59E-03	3.09E-06	9.32E-06	5.40E-06	5.27E-06	4.77E-06	2.18E-06	2.15E-06	1.03E-07	2.49E-06	5.50E-07	7.15E-07	1.13E-06	2.00E-07	1.42E-07	5.33E-06	2.82E-06	1.19E-06	1.41E-06	5.52E-07	2.82E-06	1.19E-06
4414	488363.09	3857877	2.61E-03	2.55E-03	2.51E-03	9.04E-07	2.73E-06	1.58E-06	1.54E-06	1.40E-06	6.38E-07	6.29E-07	3.02E-08	7.29E-07	1.61E-07	2.09E-07	3.32E-07	5.85E-08	4.15E-08	1.56E-06	8.24E-07	3.50E-07	4.11E-07	1.62E-07	8.24E-07	3.50E-07
4415	488863.09	3857877	1.75E-03	1.70E-03	1.68E-03	6.04E-07	1.82E-06	1.06E-06	1.03E-06	9.34E-07	4.26E-07	4.21E-07	2.02E-08	4.87E-07	1.08E-07	1.40E-07	2.22E-07	3.91E-08	2.77E-08	1.04E-06	5.51E-07	2.34E-07	2.75E-07	1.08E-07	5.51E-07	2.34E-07
4416	489363.09	3857877	1.35E-03	1.31E-03	1.30E-03	4.66E-07	1.41E-06	8.15E-07	7.96E-07	7.21E-07	3.29E-07	3.25E-07	1.56E-08	3.76E-07	8.30E-08	1.08E-07	1.71E-07	3.02E-08	2.14E-08	8.06E-07	4.25E-07	1.80E-07	2.12E-07	8.34E-08	4.25E-07	1.80E-07
4417	489863.09	3857877	1.11E-03	1.08E-03	1.07E-03	3.84E-07	1.16E-06	6.71E-07	6.55E-07	5.93E-07	2.71E-07	2.67E-07	1.28E-08	3.10E-07	6.83E-08	8.89E-08	1.41E-07	2.48E-08	1.76E-08	6.63E-07	3.50E-07	1.48E-07	1.75E-07	6.86E-08	3.50E-07	1.48E-07
4418	490363.09	3857877	9.59E-04	9.36E-04	9.24E-04	3.32E-07	1.00E-06	5.80E-07	5.66E-07	5.13E-07	2.34E-07	2.31E-07	1.11E-08	2.68E-07	5.91E-08	7.69E-08	1.22E-07	2.15E-08	1.52E-08	5.74E-07	3.03E-07	1.28E-07	1.51E-07	5.94E-08	3.03E-07	1.28E-07
4419	490863.09	3857877	8.51E-04	8.30E-04	8.19E-04	2.94E-07	8.89E-07	5.15E-07	5.02E-07	4.55E-07	2.08E-07	2.05E-07	9.83E-09	2.37E-07	5.24E-08	6.82E-08	1.08E-07	1.91E-08	1.35E-08	5.09E-07	2.68E-07	1.14E-07	1.34E-07	5.26E-08	2.68E-07	1.14E-07
4420	491363.09	3857877	7.34E-04	7.16E-04	7.06E-04	2.54E-07	7.67E-07	4.44E-07	4.33E-07	3.93E-07	1.79E-07	1.77E-07	8.48E-09	2.05E-07	4.52E-08	5.88E-08	9.33E-08	1.64E-08	1.17E-08	4.39E-07	2.32E-07	9.82E-08	1.16E-07	4.54E-08	2.32E-07	9.82E-08
4421	491863.09	3857877	6.22E-04	6.07E-04	5.99E-04	2.15E-07	6.50E-07	3.76E-07	3.67E-07	3.33E-07	1.52E-07	1.50E-07	7.19E-09	1.74E-07	3.83E-08	4.99E-08	7.91E-08	1.39E-08	9.89E-09	3.72E-07	1.96E-07	8.33E-08	9.80E-08	3.85E-08	1.96E-07	8.33E-08
4422	492363.09	3857877	4.88E-04	4.77E-04	4.70E-04	1.69E-07	5.10E-07	2.95E-07	2.88E-07	2.61E-07	1.19E-07	1.18E-07	5.64E-09	1.36E-07	3.01E-08	3.91E-08	6.21E-08	1.09E-08	7.76E-09	2.92E-07	1.54E-07	6.54E-08	7.69E-08	3.02E-08	1.54E-07	6.54E-08
4423	492863.09	3857877	3.96E-04	3.86E-04	3.81E-04	1.37E-07	4.14E-07	2.39E-07	2.34E-07	2.12E-07	9.67E-08	9.54E-08	4.58E-09	1.11E-07	2.44E-08	3.17E-08	5.03E-08	8.87E-09	6.29E-09	2.37E-07	1.25E-07	5.30E-08	6.24E-08	2.45E-08	1.25E-07	5.30E-08
4424	493363.09	3857877	3.55E-04	3.47E-04	3.42E-04	1.23E-07	3.71E-07	2.15E-07	2.10E-07	1.90E-07	8.67E-08	8.56E-08	4.11E-09	9.92E-08	2.19E-08	2.85E-08	4.52E-08	7.96E-09	5.64E-09	2.12E-07	1.12E-07	4.76E-08	5.59E-08	2.20E-08	1.12E-07	4.76E-08
4425	493863.09	3857877	3.32E-04	3.24E-04	3.20E-04	1.15E-07	3.47E-07	2.01E-07	1.96E-07	1.78E-07	8.12E-08	8.01E-08	3.84E-09	9.28E-08	2.05E-08	2.66E-08	4.23E-08	7.45E-09	5.28E-09	1.99E-07	1.05E-07	4.45E-08	5.24E-08	2.06E-08	1.05E-07	4.45E-08
4426	494363.09	3857877	3.17E-04	3.09E-04	3.05E-04	1.10E-07	3.31E-07	1.92E-07	1.87E-07	1.69E-07	7.73E-08	7.63E-08	3.66E-09	8.84E-08	1.95E-08	2.54E-08	4.03E-08	7.09E-09	5.03E-09	1.89E-07	9.99E-08	4.24E-08	4.99E-08	1.96E-08	9.99E-08	4.24E-08
4427	494863.09	3857877	2.95E-04	2.88E-04	2.84E-04	1.02E-07	3.08E-07	1.78E-07	1.74E-07	1.58E-07	7.20E-08	7.11E-08	3.41E-09	8.24E-08	1.82E-08	2.36E-08	3.75E-08	6.61E-09	4.69E-09	1.76E-07	9.31E-08	3.95E-08	4.65E-08	1.83E-08	9.31E-08	3.95E-08
4428	495363.09	3857877	2.85E-04	2.79E-04	2.75E-04	9.88E-08	2.98E-07	1.73E-07	1.69E-07	1.53E-07	6.97E-08	6.88E-08	3.30E-09	7.97E-08	1.76E-08	2.29E-08	3.63E-08	6.40E-09	4.54E-09	1.71E-07	9.01E-08	3.82E-08	4.50E-08	1.77E-08	9.01E-08	3.82E-08
4429	495863.09	3857877	2.77E-04	2.70E-04	2.67E-04	9.59E-08	2.90E-07	1.68E-07	1.64E-07	1.48E-07	6.77E-08	6.68E-08	3.20E-09	7.74E-08	1.71E-08	2.22E-08	3.52E-08	6.21E-09	4.41E-09	1.66E-07	8.75E-08	3.71E-08	4.37E-08	1.72E-08	8.75E-08	3.71E-08
4430	496363.09	3857877	2.75E-04	2.69E-04	2.65E-04	9.54E-08	2.88E-07	1.67E-07	1.63E-07	1.47E-07	6.73E-08	6.64E-08	3.18E-09	7.69E-08	1.70E-08	2.21E-08	3.50E-08	6.17E-09	4.38E-09	1.65E-07	8.69E-08	3.69E-08	4.34E-08	1.70E-08	8.69E-08	3.69E-08
4431	496863.09	3857877	2.75E-04	2.68E-04	2.65E-04	9.52E-08	2.87E-07	1.66E-07	1.62E-07	1.47E-07	6.72E-08	6.63E-08	3.18E-09	7.68E-08	1.69E-08	2.21E-08	3.50E-08	6.16E-09	4.37E-09	1.64E-07	8.68E-08	3.68E-08	4.33E-08	1.70E-08	8.68E-08	3.68E-08
4432	497363.09	3857877	2.73E-04	2.66E-04	2.62E-04	9.44E-08	2.85E-07	1.65E-07	1.61E-07	1.46E-07	6.66E-08	6.57E-08	3.15E-09	7.61E-08	1.68E-08	2.19E-08	3.47E-08	6.11E-09	4.33E-09	1.63E-07	8.60E-08	3.65E-08	4.29E-08	1.69E-08	8.60E-08	3.65E-08
4433	497863.09	3857877	2.88E-04	2.81E-04	2.77E-04	9.97E-08	3.01E-07	1.74E-07	1.70E-07	1.54E-07	7.03E-08	6.94E-08	3.33E-09	8.04E-08	1.77E-08	2.31E-08	3.66E-08	6.45E-09	4.58E-09	1.72E-07	9.09E-08	3.86E-08	4.54E-08	1.78E-08	9.09E-08	3.86E-08

4434	498363.09	3857877	3.02E-04	2.95E-04	2.91E-04	1.05E-07	3.16E-07	1.83E-07	1.79E-07	1.62E-07	7.39E-08	7.29E-08	3.50E-09	8.44E-08	1.86E-08	2.42E-08	3.85E-08	6.78E-09	4.81E-09	1.81E-07	9.55E-08	4.05E-08	4.76E-08	1.87E-08	9.55E-08	4.05E-08
4435	471363.09	3858377	9.96E-05	9.72E-05	9.59E-05	3.45E-08	1.04E-07	6.02E-08	5.88E-08	5.33E-08	2.43E-08	2.40E-08	1.15E-09	2.78E-08	6.13E-09	7.98E-09	1.27E-08	2.23E-09	1.58E-09	5.95E-08	3.14E-08	1.33E-08	1.57E-08	6.16E-09	3.14E-08	1.33E-08
4436	471863.09	3858377	1.01E-04	9.88E-05	9.75E-05	3.50E-08	1.06E-07	6.13E-08	5.98E-08	5.42E-08	2.47E-08	2.44E-08	1.17E-09	2.83E-08	6.24E-09	8.12E-09	1.29E-08	2.27E-09	1.61E-09	6.05E-08	3.19E-08	1.36E-08	1.59E-08	6.26E-09	3.19E-08	1.36E-08
4437	472363.09	3858377	1.03E-04	1.00E-04	9.91E-05	3.56E-08	1.08E-07	6.23E-08	6.07E-08	5.51E-08	2.51E-08	2.48E-08	1.19E-09	2.87E-08	6.34E-09	8.25E-09	1.31E-08	2.31E-09	1.64E-09	6.15E-08	3.25E-08	1.38E-08	1.62E-08	6.37E-09	3.25E-08	1.38E-08
4438	472863.09	3858377	1.05E-04	1.03E-04	1.01E-04	3.65E-08	1.10E-07	6.38E-08	6.22E-08	5.64E-08	2.57E-08	2.54E-08	1.22E-09	2.94E-08	6.49E-09	8.45E-09	1.34E-08	2.36E-09	1.68E-09	6.30E-08	3.33E-08	1.41E-08	1.66E-08	6.52E-09	3.33E-08	1.41E-08
4439	473363.09	3858377	1.11E-04	1.08E-04	1.07E-04	3.83E-08	1.16E-07	6.70E-08	6.54E-08	5.93E-08	2.71E-08	2.67E-08	1.28E-09	3.09E-08	6.83E-09	8.88E-09	1.41E-08	2.48E-09	1.76E-09	6.62E-08	3.50E-08	1.48E-08	1.75E-08	6.86E-09	3.50E-08	1.48E-08
4440	473863.09	3858377	1.11E-04	1.08E-04	1.07E-04	3.85E-08	1.16E-07	6.73E-08	6.56E-08	5.95E-08	2.72E-08	2.68E-08	1.29E-09	3.10E-08	6.85E-09	8.91E-09	1.41E-08	2.49E-09	1.77E-09	6.65E-08	3.51E-08	1.49E-08	1.75E-08	6.88E-09	3.51E-08	1.49E-08
4441	474363.09	3858377	1.05E-04	1.03E-04	1.01E-04	3.65E-08	1.10E-07	6.38E-08	6.22E-08	5.64E-08	2.57E-08	2.54E-08	1.22E-09	2.94E-08	6.49E-09	8.45E-09	1.34E-08	2.36E-09	1.68E-09	6.30E-08	3.33E-08	1.41E-08	1.66E-08	6.52E-09	3.33E-08	1.41E-08
4442	474863.09	3858377	9.87E-05	9.64E-05	9.51E-05	3.42E-08	1.03E-07	5.97E-08	5.83E-08	5.28E-08	2.41E-08	2.38E-08	1.14E-09	2.76E-08	6.08E-09	7.92E-09	1.26E-08	2.21E-09	1.57E-09	5.91E-08	3.12E-08	1.32E-08	1.56E-08	6.11E-09	3.12E-08	1.32E-08
4443	475363.09	3858377	8.71E-05	8.50E-05	8.39E-05	3.02E-08	9.11E-08	5.27E-08	5.14E-08	4.66E-08	2.13E-08	2.10E-08	1.01E-09	2.43E-08	5.37E-09	6.98E-09	1.11E-08	1.95E-09	1.38E-09	5.21E-08	2.75E-08	1.17E-08	1.37E-08	5.39E-09	2.75E-08	1.17E-08
4444	475863.09	3858377	8.09E-05	7.89E-05	7.79E-05	2.80E-08	8.46E-08	4.90E-08	4.78E-08	4.33E-08	1.98E-08	1.95E-08	9.35E-10	2.26E-08	4.98E-09	6.49E-09	1.03E-08	1.81E-09	1.29E-09	4.84E-08	2.55E-08	1.08E-08	1.27E-08	5.01E-09	2.55E-08	1.08E-08
4445	476363.09	3858377	8.34E-05	8.14E-05	8.03E-05	2.89E-08	8.72E-08	5.05E-08	4.92E-08	4.46E-08	2.04E-08	2.01E-08	9.64E-10	2.33E-08	5.14E-09	6.68E-09	1.06E-08	1.87E-09	1.33E-09	4.99E-08	2.63E-08	1.12E-08	1.31E-08	5.16E-09	2.63E-08	1.12E-08
4446	476863.09	3858377	8.67E-05	8.46E-05	8.35E-05	3.00E-08	9.06E-08	5.25E-08	5.12E-08	4.64E-08	2.12E-08	2.09E-08	1.00E-09	2.42E-08	5.34E-09	6.95E-09	1.10E-08	1.94E-09	1.38E-09	5.19E-08	2.74E-08	1.16E-08	1.37E-08	5.37E-09	2.74E-08	1.16E-08
4447	477363.09	3858377	8.80E-05	8.58E-05	8.47E-05	3.04E-08	9.19E-08	5.32E-08	5.19E-08	4.71E-08	2.15E-08	2.12E-08	1.02E-09	2.46E-08	5.42E-09	7.05E-09	1.12E-08	1.97E-09	1.40E-09	5.26E-08	2.78E-08	1.18E-08	1.39E-08	5.44E-09	2.78E-08	1.18E-08
4448	477863.09	3858377	9.67E-05	9.43E-05	9.31E-05	3.35E-08	1.01E-07	5.85E-08	5.71E-08	5.17E-08	2.36E-08	2.33E-08	1.12E-09	2.70E-08	5.96E-09	7.75E-09	1.23E-08	2.17E-09	1.54E-09	5.78E-08	3.05E-08	1.29E-08	1.52E-08	5.98E-09	3.05E-08	1.29E-08
4449	478363.09	3858377	1.02E-04	9.92E-05	9.79E-05	3.52E-08	1.06E-07	6.15E-08	6.00E-08	5.44E-08	2.48E-08	2.45E-08	1.17E-09	2.84E-08	6.26E-09	8.15E-09	1.29E-08	2.28E-09	1.62E-09	6.08E-08	3.21E-08	1.36E-08	1.60E-08	6.29E-09	3.21E-08	1.36E-08
4450	478863.09	3858377	9.58E-05	9.35E-05	9.23E-05	3.32E-08	1.00E-07	5.80E-08	5.66E-08	5.13E-08	2.34E-08	2.31E-08	1.11E-09	2.68E-08	5.90E-09	7.68E-09	1.22E-08	2.15E-09	1.52E-09	5.73E-08	3.02E-08	1.28E-08	1.51E-08	5.93E-09	3.02E-08	1.28E-08
4451	479363.09	3858377	1.33E-04	1.30E-04	1.28E-04	4.61E-08	1.39E-07	8.06E-08	7.86E-08	7.13E-08	3.25E-08	3.21E-08	1.54E-09	3.72E-08	8.21E-09	1.07E-08	1.69E-08	2.98E-09	2.12E-09	7.96E-08	4.20E-08	1.78E-08	2.10E-08	8.24E-09	4.20E-08	1.78E-08
4452	479863.09	3858377	1.69E-04	1.65E-04	1.63E-04	5.86E-08	1.77E-07	1.02E-07	9.99E-08	9.06E-08	4.13E-08	4.08E-08	1.96E-09	4.73E-08	1.04E-08	1.36E-08	2.15E-08	3.79E-09	2.69E-09	1.01E-07	5.34E-08	2.27E-08	2.67E-08	1.05E-08	5.34E-08	2.27E-08
4453	480363.09	3858377	1.88E-04	1.84E-04	1.81E-04	6.52E-08	1.97E-07	1.14E-07	1.11E-07	1.01E-07	4.60E-08	4.54E-08	2.18E-09	5.26E-08	1.16E-08	1.51E-08	2.40E-08	4.22E-09	2.99E-09	1.13E-07	5.94E-08	2.52E-08	2.97E-08	1.17E-08	5.94E-08	2.52E-08
4454	480863.09	3858377	1.98E-04	1.94E-04	1.91E-04	6.86E-08	2.07E-07	1.20E-07	1.17E-07	1.06E-07	4.84E-08	4.78E-08	2.29E-09	5.54E-08	1.22E-08	1.59E-08	2.52E-08	4.44E-09	3.15E-09	1.19E-07	6.26E-08	2.66E-08	3.12E-08	1.23E-08	6.26E-08	2.66E-08
4455	481363.09	3858377	2.10E-04	2.05E-04	2.03E-04	7.28E-08	2.20E-07	1.27E-07	1.24E-07	1.13E-07	5.14E-08	5.07E-08	2.43E-09	5.87E-08	1.30E-08	1.69E-08	2.67E-08	4.71E-09	3.34E-09	1.26E-07	6.64E-08	2.82E-08	3.31E-08	1.30E-08	6.64E-08	2.82E-08
4456	481863.09	3858377	2.19E-04	2.14E-04	2.11E-04	7.60E-08	2.29E-07	1.33E-07	1.30E-07	1.17E-07	5.36E-08	5.29E-08	2.54E-09	6.13E-08	1.35E-08	1.76E-08	2.79E-08	4.92E-09	3.49E-09	1.31E-07	6.93E-08	2.94E-08	3.46E-08	1.36E-08	6.93E-08	2.94E-08
4457	482363.09	3858377	2.36E-04	2.30E-04	2.27E-04	8.16E-08	2.46E-07	1.43E-07	1.39E-07	1.26E-07	5.76E-08	5.68E-08	2.72E-09	6.58E-08	1.45E-08	1.89E-08	3.00E-08	5.28E-09	3.75E-09	1.41E-07	7.44E-08	3.16E-08	3.71E-08	1.46E-08	7.44E-08	3.16E-08
4458	482863.09	3858377	2.59E-04	2.53E-04	2.49E-04	8.96E-08	2.71E-07	1.57E-07	1.53E-07	1.39E-07	6.32E-08	6.24E-08	2.99E-09	7.23E-08	1.60E-08	2.08E-08	3.29E-08	5.80E-09	4.11E-09	1.55E-07	8.17E-08	3.47E-08	4.08E-08	1.60E-08	8.17E-08	3.47E-08
4459	483363.09	3858377	2.80E-04	2.73E-04	2.69E-04	9.68E-08	2.92E-07	1.69E-07	1.65E-07	1.50E-07	6.83E-08	6.74E-08	3.23E-09	7.81E-08	1.72E-08	2.24E-08	3.56E-08	6.27E-09	4.44E-09	1.67E-07	8.83E-08	3.74E-08	4.41E-08	1.73E-08	8.83E-08	3.74E-08
4460	483863.09	3858377	3.00E-04	2.93E-04	2.89E-04	1.04E-07	3.14E-07	1.81E-07	1.77E-07	1.61E-07	7.33E-08	7.23E-08	3.47E-09	8.38E-08	1.85E-08	2.40E-08	3.81E-08	6.72E-09	4.77E-09	1.79E-07	9.47E-08	4.02E-08	4.73E-08	1.86E-08	9.47E-08	4.02E-08
4461	484363.09	3858377	3.29E-04	3.21E-04	3.17E-04	1.14E-07	3.44E-07	1.99E-07	1.94E-07	1.76E-07	8.03E-08	7.93E-08	3.80E-09	9.19E-08	2.03E-08	2.64E-08	4.18E-08	7.37E-09	5.23E-09	1.97E-07	1.04E-07	4.41E-08	5.18E-08	2.04E-08	1.04E-07	4.41E-08
4462	484863.09	3858377	3.71E-04	3.62E-04	3.58E-04	1.29E-07	3.88E-07	2.25E-07	2.19E-07	1.99E-07	9.07E-08	8.95E-08	4.29E-09	1.04E-07	2.29E-08	2.98E-08	4.72E-08	8.32E-09	5.90E-09	2.22E-07	1.17E-07	4.97E-08	5.85E-08	2.30E-08	1.17E-07	4.97E-08
4463	485363.09	3858377	4.31E-04	4.21E-04	4.15E-04	1.49E-07	4.51E-07	2.61E-07	2.55E-07	2.31E-07	1.05E-07	1.04E-07	4.99E-09	1.20E-07	2.66E-08	3.46E-08	5.49E-08	9.67E-09	6.86E-09	2.58E-07	1.36E-07	5.78E-08	6.80E-08	2.67E-08	1.36E-07	5.78E-08
4464	485863.09	3858377	5.13E-04	5.01E-04	4.94E-04	1.78E-07	5.36E-07	3.11E-07	3.03E-07	2.75E-07	1.25E-07	1.24E-07	5.93E-09	1.43E-07	3.16E-08	4.11E-08	6.53E-08	1.15E-08	8.16E-09	3.07E-07	1.62E-07	6.87E-08	8.08E-08	3.18E-08	1.62E-07	6.87E-08
4465	486363.09	3858377	6.39E-04	6.23E-04	6.15E-04	2.21E-07	6.68E-07	3.87E-07	3.77E-07	3.42E-07	1.56E-07	1.54E-07	7.39E-09	1.78E-07	3.94E-08	5.12E-08	8.13E-08	1.43E-08	1.02E-08	3.82E-07	2.02E-07	8.56E-08	1.01E-07	3.95E-08	2.02E-07	8.56E-08
4466	486863.09	3858377	8.74E-04	8.53E-04	8.42E-04	3.03E-07	9.14E-07	5.29E-07	5.16E-07	4.68E-07	2.13E-07	2.11E-07	1.01E-08	2.44E-07	5.39E-08	7.01E-08	1.11E-07	1.96E-08	1.39E-08	5.23E-07	2.76E-07	1.17E-07	1.38E-07	5.41E-08	2.76E-07	1.17E-07
4467	487363.09	3858377	1.56E-03	1.52E-03	1.50E-03	5.40E-07	1.63E-06	9.44E-07	9.22E-07	8.35E-07	3.81E-07	3.76E-07	1.80E-08	4.36E-07	9.62E-08	1.25E-07	1.98E-07	3.50E-08	2.48E-08	9.33E-07	4.93E-07	2.09E-07	2.46E-07	9.66E-08	4.93E-07	2.09E-07
4468	487863.09	3858377	2.00E-02	1.95E-02	1.93E-02	6.93E-06	2.09E-05	1.21E-05	1.18E-05	1.07E-05	4.89E-06	4.83E-06	2.32E-07	5.59E-06	1.23E-06	1.61E-06	2.55E-06	4.49E-07	3.18E-07	1.20E-05	6.32E-06	2.68E-06	3.16E-06	1.24E-06	6.32E-06	2.68E-06
4469	488363.09	3858377	1.25E-02	1.22E-02	1.20E-02	4.31E-06	1.30E-05	7.54E-06	7.36E-06	6.67E-06	3.04E-06	3.00E-06	1.44E-07	3.48E-06	7.68E-07	9.99E-07	1.58E-06	2.79E-07	1.98E-07	7.45E-06	3.93E-06	1.67E-06	1.96E-06	7.71E-07	3.93E-06	1.67E-06
4470	488863.09	3858377	3.15E-03	3.08E-03	3.04E-03	1.09E-06	3.30E-06	1.91E-06	1.86E-06	1.69E-06	7.70E-07	7.60E-07	3.65E-08	8.81E-07	1.94E-07	2.53E-07	4.01E-07	7.07E-08	5.01E-08	1.89E-06	9.96E-07	4.22E-07	4.97E-07	1.95E-07	9.96E-07	4.22E-07
4471	489363.09	3858377	1.99E-03	1.94E-03	1.91E-03	6.88E-07	2.08E-06	1.20E-06	1.17E-06	1.06E-06	4.85E-07	4.79E-07	2.30E-08	5.55E-07	1.22E-07	1.59E-07	2.53E-07	4.45E-08	3.16E-08	1.19E-06	6.27E-07	2.66E-07	3.13E-07	1.23E-07	6.27E-07	2.66E-07
4472	489863.09	3858377	1.50E-03	1.46E-03	1.44E-03	5.19E-07	1.57E-06	9.07E-07	8.85E-07	8.02E-07	3.66E-07	3.61E-07	1.73E-08	4.18E-07	9.23E-08	1.20E-07	1.91E-07	3.36E-08	2.38E-08	8.96E-07	4.73E-07	2.01E-07	2.36E-07	9.27E-08	4.73E-07	2.01E-07
4473	490363.09	3858377	1.22E-03	1.19E-03	1.18E-03	4.23E-07	1.28E-06	7.39E-07	7.21E-07	6.54E-07	2.98E-07	2.94E-07	1.41E-08	3.41E-07	7.52E-08	9.79E-08	1.55E-07	2.74E-08	1.94E-08	7.30E-07	3.85E-07	1.64E-07	1.92E-07	7.56E-08	3.85E-07	1.64E-07
4474	490863.09	3858377	1.04E-03	1.01E-03	9.99E-04	3.59E-07	1.08E-06	6.28E-07	6.13E-07	5.56E-07	2.54E-07	2.50E-07	1.20E-08	2.90E-07	6.40E-08	8.32E-08	1.32E-07	2.33E-08	1.65E-08	6.21E-07	3.28E-07	1.39E-07	1.64E-07	6.42E-08	3.28E-07	1.39E-07
4475	491363.09	3858377	8.51E-04	8.30E-04	8.19E-04	2.95E-07	8.89E-07	5.15E-07	5.02E-07	4.55E-07	2.08E-07	2.05E-07	9.84E-09	2.38E-07	5.24E-08	6.82E-08	1.08E-07	1.91E-08	1.35E-08	5.09E-07	2.69E-07	1.14E-07	1.34E-07	5.27E-08	2.69E-07	1.14E-07
4476	491863.09	3858377	6.48E-04	6.32E-04	6.24E-04	2.24E-07	6.77E-07	3.92E-07	3.83E-07	3.47E-07	1.58E-07	1.56E-07	7.49E-09	1.81E-07	3.99E-08	5.19E-08	8.24E-08	1.45E-08	1.03E-08	3.88E-07	2.05E-07	8.68E-08	1.02E-07	4.01E-08	2.05E-07	8.68E-08
4477	492363.09	3858377	5.02E-04	4.90E-04	4.83E-04	1.74E-07	5.25E-07	3.04E-07	2.96E-07	2.69E-07	1.23E-07	1.21E-07	5.80E-09	1.40E-07	3.09E-08	4.02E-08	6.38E-08	1.13E-08	7.98E-09	3.00E-07	1.58E-07	6.72E-08	7.91E-08	3.11E-08	1.58E-07	6.72E-08
4478	492863.09	3858377	4.95E-04	4.83E-04	4.77E-04	1.71E-07	5.17E-07	2.99E-07	2.92E-07	2.65E-07	1.21E-07	1.19E-07	5.72E-09	1.38E-07	3.05E-08	3.97E-08	6.29E-08	1.11E-08	7.87E-09	2.96E-07	1.56E-07	6.63E-08	7.80E-08	3.06E-08	1.56E-07	6.63E-08
4479	493363.09	3858377	4.43E-04	4.32E-04	4.27E-04	1.53E-07	4.63E-07	2.68E-07	2.62E-07	2.37E-07	1.08E-07	1.07E-07	5.12E-09	1.24E-07	2.73E-08	3.55E-08	5.63E-08	9.93E-09	7.04E-09	2.65E-07	1.40E-07	5.93E-08	6.98E-08	2.74E-08	1.40E-07	5.93E-08
4480	493863.09	3858377	4.08E-04	3.98E-04	3.93E-04	1.41E-07	4.27E-07	2.47E-07	2.41E-07	2.19E-07	9.97E-08	9.84E-08	4.72E-09	1.14E-07	2.52E-08	3.27E-08	5.19E-08	9.15E-09	6.49E-09	2.44E-07	1.29E-07	5.47E-08	6.43E-08	2.53E-08	1.29E-07	5.47E-08
4481	494363.09	3858377	3.76E-04	3.67E-04	3.62E-04	1.30E-07	3.93E-07	2.27E-07	2.22E-07	2.01E-07	9.18E-08	9.06E-08	4.34E-09	1.05E-07	2.32E-08	3.01E-08	4.78E-08	8.42E-09	5.97E-09	2.25E-07	1.19E-07	5.03E-08	5.92E-08	2.33E-08	1.19E-07	5.03E-08
4482	494863.09	3858377	3.51E-04	3.43E-04	3.38E-04	1.22E-07	3.67E-07	2.13E-07	2.07E-07	1.88E-07	8.58E-08	8.47E-08	4.06E-09	9.81E-08	2.17E-08	2.82E-08	4.47E-08	7.88E-09	5.59E-09	2.10E-07	1.11E-07	4.71E-08	5.54E-08	2.17E-08	1.11E-07	4.71E-08
4483	495363.09	3858377	3.27E-04	3.19E-04	3.14E-04	1.13E-07	3.41E-07	1.98E-07	1.93E-07	1.75E-07	7.97E-08	7.87E-08	3.77E-09	9.12E-08	2.01E-08	2.62E-08	4.15E-08	7.32E-09	5.19E-09	1.95E-07	1.03E-07	4.37E-08	5.14E-08	2.02E-08	1.03E-07	4.37E-08
4484	495863.09	3858377	3.18E-04	3.10E-04	3.06E-04	1.10E-07	3.32E-07	1.92E-07	1.88E-07	1.70E-07	7.76E-08	7.66E-08	3.67E-09	8.87E-08	1.96E-08	2.55E-08	4.04E-08	7.12E-09	5.05E-09	1.90E-07	1.00E-07	4.26E-08	5.01E-08	1.97E-08	1.00E-07	4.26E-08
4485	496363.09	3858377	3.09E-04	3.02E-04	2.98E-04	1.07E-07	3.23E-07	1.87E-07	1.82E-07	1.65E-07	7.55E-08	7.45E-08	3.57E-09	8.63E-08	1.90E-08	2.48E-08	3.93E-08	6.93E-09	4.91E-09	1.85E-07	9.76E-08	4.14E-08	4.87E-08	1.91E-08	9.76E-08	4.14E-08
4486	496863.09	3858377	3.12E-04	3.04E-04	3.00E-04	1.08E-07	3.26E-07	1.89E-07	1.84E-07	1.67E-07	7.61E-08	7.51E-08	3.60E-09	8.70E-08	1.92E-08	2.50E-08	3.96E-08	6.98E-09	4.95E-09	1.86E-07	9.83E-08	4.17E-08	4.91E-08	1.93E-08	9.83E-08	4.17E-08
4487	497363.09	3858377	3.09E-04	3.01E-04	2.97E-04	1.07E-07	3.23E-07	1.87E-07	1.82E-07	1.65E-07	7.54E-08	7.44E-08	3.57E-09	8.62E-08	1.90E-08	2.47E-08	3.93E-08	6.92E-09	4.91E-09	1.85E-07	9.74E-08	4.13E-08	4.86E-08	1.91E-08	9.74E-08	4.13E-08
4488	497863.09	3858377	3.22E-04	3.14E-04	3.10E-04	1.11E-07	3.36E-07	1.95E-07	1.90E-07	1.72E-07	7.86E-08	7.76E-08	3.72E-09	8.99E-08	1.98E-08	2.58E-08	4.09E-08	7.22E-09	5.12E-09	1.93E-07	1.02E-07	4.31E-08	5.07E-08	1.99E-08	1.02E-07	4.31E-08
4489	498363.09	3858377	3.41E-04	3.32E-04	3.28E-04	1.18E-07	3.56E-07	2.06E-07	2.01E-07	1.82E-07	8.32E-08	8.21E-08	3.94E-09	9.51E-08	2.10E-08	2.73E-08	4.33E-08	7.63E-09	5.41E-09	2.04E-07	1.08E-07	4.56E-08	5.37E-08	2.11E-08	1.08E-07	4.56E-08
4490	471363.09	3858877	9.71E-05	9.47E-05	9.35E-05	3.36E-08	1.01E-07	5.87E-08	5.73E-08	5.20E-08	2.37E-08	2.34E-08	1.12E-09	2.71E-08	5.98E-09	7.78E-09	1.23E-08	2.18E-09	1.54E-09	5.81E-08	3.06E-08	1.30E-08	1.53E-08	6.01E-09	3.06E-08	1.30E-08
4491	471863.09	3858877	9.83E-05	9.59E-05	9.47E-05	3.40E-08	1.03E-07	5.95E-08	5.81E-08	5.26E-08	2.40E-08	2.37E-08	1.14E-09	2.75E-08	6.06E-09	7.88E-09	1.25E-08	2.20E-09	1.56E-09	5.88E-08	3.10E-08	1.32E-08	1.55E-08	6.09E-09	3.10E-08	1.32E-08
4492	472363.09	3858877	1.02E-04	9.92E-05	9.79E-05	3.52E-08	1.06E-07	6.15E-08	6.00E-08	5.44E-08	2.48E-08	2.45E-08	1.17E-09	2.84E-08	6.26E-09	8.15E-09	1.29E-08	2.28E-09	1.62E-09	6.08E-08	3.21E-08	1.36E-08	1.60E-08	6.29E-09	3.21E-08	1.36E-08
4493	472863.09	3858877	1.04E-04	1.02E-04	1.00E-04	3.60E-08	1.09E-07	6.30E-08	6.15E-08	5.57E-08	2.54E-08	2.51E-08	1.20E-09	2.91E-08	6.42E-09	8.35E-09	1.32E-08	2.33E-09	1.66E-09	6.23E-08	3.29E-08	1.39E-08	1.64E-08	6.44E-09	3.29E-08	1.39E-08
4494	473363.09	3858877	1.08E-04	1.06E-04	1.04E-04	3.75E-08	1.13E-07	6.55E-08	6.39E-08	5.80E-08	2.64E-08	2.61E-08	1.25E-09	3.02E-08	6.67E-09	8.68E-09	1.38E-08	2.43E-09	1.72E-09	6.48E-08	3.42E-08	1.45E-08	1.71E-08	6.70E-09	3.42E-08	1.45E-08
4495	473863.09	3858877	1.09E-04	1.06E-04	1.05E-04	3.78E-08	1.14E-07	6.60E-08	6.44E-08	5.84E-08	2.66E-08	2.63E-08	1.26E-09	3.05E-08	6.72E-09	8.75E-09	1.39E-08	2.45E-09	1.73E-09	6.53E-08	3.44E-08	1.46E-08	1.72E-08	6.75E-09	3.44E-08	1.46E-08
4496	474363.09	3858877	1.05E-04	1.02E-04	1.01E-04	3.62E-08	1.09E-07	6.33E-08	6.17E-08	5.60E-08	2.55E-08	2.52E-08	1.21E-09	2.92E-08	6.44E-09	8.38E-09	1.33E-08	2.34E-09	1.66E-09	6.25E-08	3.30E-08	1.40E-08	1.65E-08	6.47E-09	3.30E-08	1.40E-08
4497	474863.09	3858877	8.26E-05	8.06E-05	7.95E-05	2.86E-08	8.63E-08	5.00E-08	4.87E-08	4.42E-08	2.02E-08	1.99E-08	9.54E-10	2.31E-08	5.09E-09	6.62E-09	1.05E-08	1.85E-09	1.31E-09	4.94E-08	2.61E-08	1.11E-08	1.30E-08	5.11E-09	2.61E-08	1.11E-08
4498	475363.09	3858877	7.68E-05	7.49E-05	7.39E-05	2.66E-08	8.02E-08	4.64E-08	4.53E-08	4.11E-08	1.87E-08	1.85E-08	8.87E-10	2.14E-08	4.73E-09	6.15E-09	9.76E-09	1.72E-09	1.22E-09	4.59E-08	2.42E-08	1.03E-08	1.21E-08	4.75E-09	2.42E-08	1.03E-08
4499	475863.09	3858877	8.01E-05	7.81E-05	7.71E-05	2.77E-08	8.37E-08	4.84E-08	4.73E-08	4.29E-08	1.96E-08	1.93E-08	9.26E-10	2.24E-08	4.93E-09	6.42E-09	1.02E-08	1.79E-09	1.27E-09	4.79E-08	2.53E-08	1.07E-08	1.26E-08	4.96E-09	2.53E-08	1.07E-08
4500	476363.09	3858877	7.18E-05	7.00E-05	6.91E-05	2.48E-08	7.50E-08	4.34E-08	4.24E-08	3.84E-08	1.75E-08	1.73E-08	8.30E-10	2.00E-08	4.42E-09	5.75E-09	9.13E-09	1.61E-09	1.14E-09	4.29E-08	2.27E-08	9.61E-09	1.13E-08	4.44E-09	2.27E-08	9.61E-09
4501	476863.09	3858877	7.76E-05	7.57E-05	7.47E-05	2.69E-08	8.11E-08	4.69E-08	4.58E-08	4.15E-08	1.89E-08	1.87E-08	8.97E-10	2.17E-08	4.78E-09	6.22E-09	9.87E-09	1.74E-09	1.23E-09	4.64E-08	2.45E-08	1.04E-08	1.22E-08	4.80E-09	2.45E-08	1.04E-08
4502	477363.09	3858877	7.97E-05	7.77E-05	7.67E-05	2.76E-08	8.33E-08	4.82E-08	4.70E-08	4.26E-08	1.95E-08	1.92E-08	9.21E-10	2.22E-08	4.91E-09	6.39E-09	1.01E-08	1.79E-09	1.27E-09	4.76E-08	2.51E-08	1.07E-08	1.25E-08	4.93E-09	2.51E-08	1.07E-08
4503	477863.09	3858877	8.55E-05	8.34E-05	8.23E-05	2.96E-08	8.93E-08	5.17E-08	5.05E-08	4.57E-08	2.09E-08	2.06E-08	9.88E-10	2.39E-08	5.27E-09	6.85E-09	1.09E-08	1.92E-09	1.36E-09	5.11E-08	2.70E-08	1.14E-08	1.35E-08	5.29E-09	2.70E-08	1.14E-08
4504	478363.09	3858877	1.06E-04	1.04E-04	1.02E-04	3.68E-08	1.11E-07	6.43E-08	6.27E-08	5.68E-08	2.59E-08	2.56E-08	1.23E-09	2.97E-08	6.54E-09	8.51E-09	1.35E-08	2.38E-09	1.69E-09	6.35E-08	3.35E-08	1.42E-08	1.67E-08	6.57E-09	3.35E-08	1.42E-08
4505	478863.09	3858877	1.04E-04	1.01E-04	9.99E-05	3.59E-08	1.08E-07	6.28E-08	6.12E-08	5.55E-08	2.53E-08	2.50E-08	1.20E-09	2.90E-08	6.39E-09	8.31E-09	1.32E-08	2.32E-09	1.65E-09	6.20E-08	3.27E-08	1.39E-08	1.63E-08	6.42E-09	3.27E-08	1.39E-08
4506	479363.09	3858877	1.02E-04	9.96E-05	9.83E-05	3.53E-08	1.07E-07	6.18E-08	6.03E-08	5.46E-08	2.49E-08	2.46E-08	1.18E-09	2.85E-08	6.29E-09	8.18E-09	1.30E-08	2.29E-09	1.62E-09	6.10E-08	3.22E-08	1.37E-08	1.61E-08	6.32E-09	3.22E-08	1.37E-08
4507	479863.09	3858877	1.61E-04	1.57E-04	1.55E-04	5.57E-08	1.68E-07	9.74E-08	9.50E-08	8.62E-08	3.93E-08	3.88E-08	1.86E-09	4.49E-08	9.92E-09	1.29E-08	2.05E-08	3.61E-09	2.56E-09	9.63E-08	5.08E-08	2.16E-08	2.54E-08	9.96E-09	5.08E-08	2.16E-08

4508	480363.09	3858877	1.73E-04	1.69E-04	1.67E-04	5.99E-08	1.81E-07	1.05E-07	1.02E-07	9.26E-08	4.23E-08	4.17E-08	2.00E-09	4.83E-08	1.07E-08	1.39E-08	2.20E-08	3.88E-09	2.75E-09	1.03E-07	5.46E-08	2.32E-08	2.73E-08	1.07E-08	5.46E-08	2.32E-08
4509	480863.09	3858877	1.83E-04	1.79E-04	1.77E-04	6.35E-08	1.92E-07	1.11E-07	1.08E-07	9.81E-08	4.48E-08	4.42E-08	2.12E-09	5.12E-08	1.13E-08	1.47E-08	2.33E-08	4.11E-09	2.91E-09	1.10E-07	5.79E-08	2.46E-08	2.89E-08	1.13E-08	5.79E-08	2.46E-08
4510	481363.09	3858877	1.93E-04	1.89E-04	1.86E-04	6.69E-08	2.02E-07	1.17E-07	1.14E-07	1.03E-07	4.72E-08	4.66E-08	2.23E-09	5.40E-08	1.19E-08	1.55E-08	2.46E-08	4.33E-09	3.07E-09	1.16E-07	6.10E-08	2.59E-08	3.05E-08	1.20E-08	6.10E-08	2.59E-08
4511	481863.09	3858877	2.05E-04	2.00E-04	1.97E-04	7.09E-08	2.14E-07	1.24E-07	1.21E-07	1.10E-07	5.01E-08	4.94E-08	2.37E-09	5.72E-08	1.26E-08	1.64E-08	2.61E-08	4.59E-09	3.26E-09	1.23E-07	6.47E-08	2.74E-08	3.23E-08	1.27E-08	6.47E-08	2.74E-08
4512	482363.09	3858877	2.18E-04	2.13E-04	2.10E-04	7.54E-08	2.28E-07	1.32E-07	1.29E-07	1.17E-07	5.32E-08	5.25E-08	2.52E-09	6.08E-08	1.34E-08	1.75E-08	2.77E-08	4.88E-09	3.46E-09	1.30E-07	6.87E-08	2.92E-08	3.43E-08	1.35E-08	6.87E-08	2.92E-08
4513	482863.09	3858877	2.33E-04	2.27E-04	2.24E-04	8.06E-08	2.43E-07	1.41E-07	1.37E-07	1.25E-07	5.68E-08	5.61E-08	2.69E-09	6.50E-08	1.43E-08	1.87E-08	2.96E-08	5.22E-09	3.70E-09	1.39E-07	7.35E-08	3.12E-08	3.67E-08	1.44E-08	7.35E-08	3.12E-08
4514	483363.09	3858877	2.62E-04	2.55E-04	2.52E-04	9.06E-08	2.74E-07	1.58E-07	1.55E-07	1.40E-07	6.39E-08	6.31E-08	3.03E-09	7.31E-08	1.61E-08	2.10E-08	3.33E-08	5.87E-09	4.16E-09	1.57E-07	8.26E-08	3.51E-08	4.12E-08	1.62E-08	8.26E-08	3.51E-08
4515	483863.09	3858877	2.77E-04	2.70E-04	2.67E-04	9.59E-08	2.90E-07	1.68E-07	1.64E-07	1.48E-07	6.77E-08	6.68E-08	3.20E-09	7.74E-08	1.71E-08	2.22E-08	3.52E-08	6.21E-09	4.41E-09	1.66E-07	8.75E-08	3.71E-08	4.37E-08	1.72E-08	8.75E-08	3.71E-08
4516	484363.09	3858877	2.96E-04	2.89E-04	2.85E-04	1.03E-07	3.10E-07	1.79E-07	1.75E-07	1.59E-07	7.23E-08	7.14E-08	3.42E-09	8.27E-08	1.83E-08	2.37E-08	3.77E-08	6.64E-09	4.71E-09	1.77E-07	9.35E-08	3.97E-08	4.67E-08	1.83E-08	9.35E-08	3.97E-08
4517	484863.09	3858877	3.20E-04	3.13E-04	3.08E-04	1.11E-07	3.35E-07	1.94E-07	1.89E-07	1.71E-07	7.82E-08	7.72E-08	3.70E-09	8.94E-08	1.97E-08	2.57E-08	4.07E-08	7.18E-09	5.09E-09	1.92E-07	1.01E-07	4.29E-08	5.05E-08	1.98E-08	1.01E-07	4.29E-08
4518	485363.09	3858877	3.57E-04	3.49E-04	3.44E-04	1.24E-07	3.73E-07	2.16E-07	2.11E-07	1.91E-07	8.72E-08	8.61E-08	4.13E-09	9.97E-08	2.20E-08	2.86E-08	4.54E-08	8.01E-09	5.68E-09	2.14E-07	1.13E-07	4.78E-08	5.63E-08	2.21E-08	1.13E-07	4.78E-08
4519	485863.09	3858877	4.08E-04	3.98E-04	3.93E-04	1.41E-07	4.27E-07	2.47E-07	2.41E-07	2.19E-07	9.97E-08	9.84E-08	4.72E-09	1.14E-07	2.52E-08	3.27E-08	5.19E-08	9.15E-09	6.49E-09	2.44E-07	1.29E-07	5.47E-08	6.43E-08	2.53E-08	1.29E-07	5.47E-08
4520	486363.09	3858877	4.73E-04	4.62E-04	4.56E-04	1.64E-07	4.95E-07	2.86E-07	2.79E-07	2.53E-07	1.16E-07	1.14E-07	5.47E-09	1.32E-07	2.92E-08	3.79E-08	6.02E-08	1.06E-08	7.52E-09	2.83E-07	1.49E-07	6.34E-08	7.46E-08	2.93E-08	1.49E-07	6.34E-08
4521	486863.09	3858877	5.70E-04	5.57E-04	5.49E-04	1.97E-07	5.96E-07	3.45E-07	3.37E-07	3.05E-07	1.39E-07	1.37E-07	6.59E-09	1.59E-07	3.51E-08	4.57E-08	7.25E-08	1.28E-08	9.07E-09	3.41E-07	1.80E-07	7.64E-08	8.99E-08	3.53E-08	1.80E-07	7.64E-08
4522	487363.09	3858877	7.40E-04	7.22E-04	7.12E-04	2.56E-07	7.73E-07	4.48E-07	4.37E-07	3.96E-07	1.81E-07	1.78E-07	8.55E-09	2.07E-07	4.56E-08	5.93E-08	9.41E-08	1.66E-08	1.18E-08	4.42E-07	2.33E-07	9.91E-08	1.17E-07	4.58E-08	2.33E-07	9.91E-08
4523	487863.09	3858877	1.07E-03	1.04E-03	1.03E-03	3.70E-07	1.12E-06	6.47E-07	6.31E-07	5.72E-07	2.61E-07	2.58E-07	1.24E-08	2.99E-07	6.59E-08	8.57E-08	1.36E-07	2.40E-08	1.70E-08	6.39E-07	3.37E-07	1.43E-07	1.68E-07	6.62E-08	3.37E-07	1.43E-07
4524	488363.09	3858877	2.27E-03	2.22E-03	2.19E-03	7.87E-07	2.38E-06	1.38E-06	1.34E-06	1.22E-06	5.55E-07	5.48E-07	2.63E-08	6.35E-07	1.40E-07	1.82E-07	2.89E-07	5.10E-08	3.61E-08	1.36E-06	7.18E-07	3.04E-07	3.58E-07	1.41E-07	7.18E-07	3.04E-07
4525	488863.09	3858877	2.42E-02	2.36E-02	2.33E-02	8.37E-06	2.53E-05	1.46E-05	1.43E-05	1.29E-05	5.90E-06	5.82E-06	2.79E-07	6.75E-06	1.49E-06	1.94E-06	3.07E-06	5.42E-07	3.84E-07	1.45E-05	7.63E-06	3.24E-06	3.81E-06	1.50E-06	7.63E-06	3.24E-06
4526	489363.09	3858877	4.56E-03	4.45E-03	4.39E-03	1.58E-06	4.76E-06	2.76E-06	2.69E-06	2.44E-06	1.11E-06	1.10E-06	5.27E-08	1.27E-06	2.81E-07	3.65E-07	5.79E-07	1.02E-07	7.24E-08	2.73E-06	1.44E-06	6.10E-07	7.18E-07	2.82E-07	1.44E-06	6.10E-07
4527	489863.09	3858877	2.56E-03	2.49E-03	2.46E-03	8.85E-07	2.67E-06	1.55E-06	1.51E-06	1.37E-06	6.24E-07	6.16E-07	2.96E-08	7.14E-07	1.58E-07	2.05E-07	3.25E-07	5.73E-08	4.06E-08	1.53E-06	8.07E-07	3.42E-07	4.03E-07	1.58E-07	8.07E-07	3.42E-07
4528	490363.09	3858877	1.77E-03	1.73E-03	1.70E-03	6.13E-07	1.85E-06	1.07E-06	1.05E-06	9.48E-07	4.32E-07	4.27E-07	2.05E-08	4.94E-07	1.09E-07	1.42E-07	2.25E-07	3.97E-08	2.81E-08	1.06E-06	5.59E-07	2.37E-07	2.79E-07	1.10E-07	5.59E-07	2.37E-07
4529	490863.09	3858877	1.26E-03	1.23E-03	1.21E-03	4.35E-07	1.31E-06	7.61E-07	7.42E-07	6.73E-07	3.07E-07	3.03E-07	1.45E-08	3.51E-07	7.75E-08	1.01E-07	1.60E-07	2.82E-08	2.00E-08	7.52E-07	3.97E-07	1.68E-07	1.98E-07	7.78E-08	3.97E-07	1.68E-07
4530	491363.09	3858877	9.02E-04	8.80E-04	8.68E-04	3.12E-07	9.42E-07	5.45E-07	5.32E-07	4.83E-07	2.20E-07	2.17E-07	1.04E-08	2.52E-07	5.55E-08	7.23E-08	1.15E-07	2.02E-08	1.43E-08	5.39E-07	2.85E-07	1.21E-07	1.42E-07	5.58E-08	2.85E-07	1.21E-07
4531	491863.09	3858877	6.86E-04	6.70E-04	6.61E-04	2.38E-07	7.17E-07	4.15E-07	4.05E-07	3.67E-07	1.68E-07	1.65E-07	7.93E-09	1.92E-07	4.23E-08	5.50E-08	8.73E-08	1.54E-08	1.09E-08	4.10E-07	2.17E-07	9.19E-08	1.08E-07	4.25E-08	2.17E-07	9.19E-08
4532	492363.09	3858877	6.72E-04	6.55E-04	6.47E-04	2.33E-07	7.02E-07	4.06E-07	3.97E-07	3.60E-07	1.64E-07	1.62E-07	7.76E-09	1.88E-07	4.14E-08	5.38E-08	8.54E-08	1.51E-08	1.07E-08	4.02E-07	2.12E-07	8.99E-08	1.06E-07	4.16E-08	2.12E-07	8.99E-08
4533	492863.09	3858877	6.82E-04	6.66E-04	6.57E-04	2.36E-07	7.13E-07	4.13E-07	4.03E-07	3.65E-07	1.67E-07	1.64E-07	7.88E-09	1.90E-07	4.20E-08	5.47E-08	8.67E-08	1.53E-08	1.08E-08	4.08E-07	2.15E-07	9.13E-08	1.07E-07	4.22E-08	2.15E-07	9.13E-08
4534	493363.09	3858877	6.04E-04	5.89E-04	5.82E-04	2.09E-07	6.31E-07	3.65E-07	3.57E-07	3.23E-07	1.48E-07	1.46E-07	6.98E-09	1.69E-07	3.72E-08	4.84E-08	7.68E-08	1.35E-08	9.60E-09	3.61E-07	1.91E-07	8.09E-08	9.52E-08	3.74E-08	1.91E-07	8.09E-08
4535	493863.09	3858877	5.17E-04	5.04E-04	4.98E-04	1.79E-07	5.40E-07	3.13E-07	3.05E-07	2.77E-07	1.26E-07	1.25E-07	5.98E-09	1.44E-07	3.19E-08	4.14E-08	6.57E-08	1.16E-08	8.22E-09	3.09E-07	1.63E-07	6.92E-08	8.14E-08	3.20E-08	1.63E-07	6.92E-08
4536	494363.09	3858877	4.73E-04	4.61E-04	4.55E-04	1.64E-07	4.94E-07	2.86E-07	2.79E-07	2.53E-07	1.15E-07	1.14E-07	5.46E-09	1.32E-07	2.91E-08	3.79E-08	6.01E-08	1.06E-08	7.51E-09	2.83E-07	1.49E-07	6.33E-08	7.44E-08	2.92E-08	1.49E-07	6.33E-08
4537	494863.09	3858877	4.30E-04	4.20E-04	4.14E-04	1.49E-07	4.50E-07	2.60E-07	2.54E-07	2.30E-07	1.05E-07	1.04E-07	4.97E-09	1.20E-07	2.65E-08	3.45E-08	5.47E-08	9.64E-09	6.84E-09	2.57E-07	1.36E-07	5.76E-08	6.78E-08	2.66E-08	1.36E-07	5.76E-08
4538	495363.09	3858877	3.95E-04	3.86E-04	3.81E-04	1.37E-07	4.13E-07	2.39E-07	2.33E-07	2.12E-07	9.66E-08	9.53E-08	4.57E-09	1.10E-07	2.44E-08	3.17E-08	5.03E-08	8.86E-09	6.28E-09	2.36E-07	1.25E-07	5.29E-08	6.23E-08	2.45E-08	1.25E-07	5.29E-08
4539	495863.09	3858877	3.75E-04	3.66E-04	3.61E-04	1.30E-07	3.92E-07	2.27E-07	2.21E-07	2.01E-07	9.15E-08	9.03E-08	4.33E-09	1.05E-07	2.31E-08	3.00E-08	4.76E-08	8.40E-09	5.95E-09	2.24E-07	1.18E-07	5.02E-08	5.90E-08	2.32E-08	1.18E-07	5.02E-08
4540	496363.09	3858877	3.63E-04	3.55E-04	3.50E-04	1.26E-07	3.80E-07	2.20E-07	2.15E-07	1.95E-07	8.88E-08	8.76E-08	4.20E-09	1.01E-07	2.24E-08	2.91E-08	4.62E-08	8.15E-09	5.78E-09	2.17E-07	1.15E-07	4.87E-08	5.73E-08	2.25E-08	1.15E-07	4.87E-08
4541	496863.09	3858877	3.54E-04	3.46E-04	3.41E-04	1.23E-07	3.70E-07	2.14E-07	2.09E-07	1.90E-07	8.65E-08	8.54E-08	4.10E-09	9.89E-08	2.18E-08	2.84E-08	4.51E-08	7.94E-09	5.63E-09	2.12E-07	1.12E-07	4.74E-08	5.58E-08	2.19E-08	1.12E-07	4.74E-08
4542	497363.09	3858877	3.46E-04	3.38E-04	3.34E-04	1.20E-07	3.62E-07	2.10E-07	2.05E-07	1.85E-07	8.46E-08	8.35E-08	4.00E-09	9.67E-08	2.13E-08	2.78E-08	4.41E-08	7.76E-09	5.51E-09	2.07E-07	1.09E-07	4.64E-08	5.46E-08	2.14E-08	1.09E-07	4.64E-08
4543	497863.09	3858877	3.62E-04	3.53E-04	3.49E-04	1.25E-07	3.79E-07	2.19E-07	2.14E-07	1.94E-07	8.85E-08	8.73E-08	4.19E-09	1.01E-07	2.23E-08	2.90E-08	4.61E-08	8.12E-09	5.76E-09	2.17E-07	1.14E-07	4.85E-08	5.71E-08	2.24E-08	1.14E-07	4.85E-08
4544	498363.09	3858877	3.80E-04	3.71E-04	3.66E-04	1.32E-07	3.97E-07	2.30E-07	2.24E-07	2.03E-07	9.28E-08	9.16E-08	4.39E-09	1.06E-07	2.34E-08	3.05E-08	4.83E-08	8.52E-09	6.04E-09	2.27E-07	1.20E-07	5.09E-08	5.99E-08	2.35E-08	1.20E-07	5.09E-08
4545	471363.09	3859377	9.42E-05	9.19E-05	9.07E-05	3.26E-08	9.84E-08	5.70E-08	5.56E-08	5.04E-08	2.30E-08	2.27E-08	1.09E-09	2.63E-08	5.80E-09	7.55E-09	1.20E-08	2.11E-09	1.50E-09	5.63E-08	2.97E-08	1.26E-08	1.48E-08	5.83E-09	2.97E-08	1.26E-08
4546	471863.09	3859377	9.67E-05	9.43E-05	9.31E-05	3.35E-08	1.01E-07	5.85E-08	5.71E-08	5.17E-08	2.36E-08	2.33E-08	1.12E-09	2.70E-08	5.96E-09	7.75E-09	1.23E-08	2.17E-09	1.54E-09	5.78E-08	3.05E-08	1.29E-08	1.52E-08	5.98E-09	3.05E-08	1.29E-08
4547	472363.09	3859377	9.92E-05	9.68E-05	9.55E-05	3.43E-08	1.04E-07	6.00E-08	5.85E-08	5.31E-08	2.42E-08	2.39E-08	1.15E-09	2.77E-08	6.11E-09	7.95E-09	1.26E-08	2.22E-09	1.58E-09	5.93E-08	3.13E-08	1.33E-08	1.56E-08	6.14E-09	3.13E-08	1.33E-08
4548	472863.09	3859377	1.02E-04	9.96E-05	9.83E-05	3.53E-08	1.07E-07	6.18E-08	6.03E-08	5.46E-08	2.49E-08	2.46E-08	1.18E-09	2.85E-08	6.29E-09	8.18E-09	1.30E-08	2.29E-09	1.62E-09	6.10E-08	3.22E-08	1.37E-08	1.61E-08	6.32E-09	3.22E-08	1.37E-08
4549	473363.09	3859377	1.05E-04	1.02E-04	1.01E-04	3.63E-08	1.10E-07	6.35E-08	6.20E-08	5.62E-08	2.56E-08	2.53E-08	1.21E-09	2.93E-08	6.47E-09	8.41E-09	1.33E-08	2.35E-09	1.67E-09	6.28E-08	3.31E-08	1.41E-08	1.65E-08	6.50E-09	3.31E-08	1.41E-08
4550	473863.09	3859377	1.07E-04	1.04E-04	1.03E-04	3.69E-08	1.11E-07	6.45E-08	6.30E-08	5.71E-08	2.60E-08	2.57E-08	1.23E-09	2.98E-08	6.57E-09	8.55E-09	1.36E-08	2.39E-09	1.69E-09	6.38E-08	3.37E-08	1.43E-08	1.68E-08	6.60E-09	3.37E-08	1.43E-08
4551	474363.09	3859377	1.02E-04	9.96E-05	9.83E-05	3.53E-08	1.07E-07	6.18E-08	6.03E-08	5.46E-08	2.49E-08	2.46E-08	1.18E-09	2.85E-08	6.29E-09	8.18E-09	1.30E-08	2.29E-09	1.62E-09	6.10E-08	3.22E-08	1.37E-08	1.61E-08	6.32E-09	3.22E-08	1.37E-08
4552	474863.09	3859377	9.21E-05	8.99E-05	8.87E-05	3.19E-08	9.63E-08	5.57E-08	5.44E-08	4.93E-08	2.25E-08	2.22E-08	1.06E-09	2.57E-08	5.67E-09	7.38E-09	1.17E-08	2.06E-09	1.46E-09	5.51E-08	2.91E-08	1.23E-08	1.45E-08	5.70E-09	2.91E-08	1.23E-08
4553	475363.09	3859377	8.09E-05	7.89E-05	7.79E-05	2.80E-08	8.46E-08	4.90E-08	4.78E-08	4.33E-08	1.98E-08	1.95E-08	9.35E-10	2.26E-08	4.98E-09	6.49E-09	1.03E-08	1.81E-09	1.29E-09	4.84E-08	2.55E-08	1.08E-08	1.27E-08	5.01E-09	2.55E-08	1.08E-08
4554	475863.09	3859377	7.26E-05	7.08E-05	6.99E-05	2.51E-08	7.59E-08	4.39E-08	4.29E-08	3.89E-08	1.77E-08	1.75E-08	8.39E-10	2.03E-08	4.47E-09	5.82E-09	9.23E-09	1.63E-09	1.15E-09	4.34E-08	2.29E-08	9.72E-09	1.14E-08	4.49E-09	2.29E-08	9.72E-09
4555	476363.09	3859377	7.14E-05	6.96E-05	6.87E-05	2.47E-08	7.46E-08	4.32E-08	4.21E-08	3.82E-08	1.74E-08	1.72E-08	8.25E-10	1.99E-08	4.40E-09	5.72E-09	9.07E-09	1.60E-09	1.13E-09	4.27E-08	2.25E-08	9.56E-09	1.12E-08	4.42E-09	2.25E-08	9.56E-09
4556	476863.09	3859377	6.85E-05	6.68E-05	6.59E-05	2.37E-08	7.15E-08	4.14E-08	4.04E-08	3.66E-08	1.67E-08	1.65E-08	7.91E-10	1.91E-08	4.22E-09	5.49E-09	8.71E-09	1.53E-09	1.09E-09	4.09E-08	2.16E-08	9.17E-09	1.08E-08	4.24E-09	2.16E-08	9.17E-09
4557	477363.09	3859377	7.14E-05	6.96E-05	6.87E-05	2.47E-08	7.46E-08	4.32E-08	4.21E-08	3.82E-08	1.74E-08	1.72E-08	8.25E-10	1.99E-08	4.40E-09	5.72E-09	9.07E-09	1.60E-09	1.13E-09	4.27E-08	2.25E-08	9.56E-09	1.12E-08	4.42E-09	2.25E-08	9.56E-09
4558	477863.09	3859377	8.38E-05	8.18E-05	8.07E-05	2.90E-08	8.76E-08	5.07E-08	4.95E-08	4.49E-08	2.05E-08	2.02E-08	9.69E-10	2.34E-08	5.16E-09	6.72E-09	1.07E-08	1.88E-09	1.33E-09	5.01E-08	2.65E-08	1.12E-08	1.32E-08	5.19E-09	2.65E-08	1.12E-08
4559	478363.09	3859377	9.67E-05	9.43E-05	9.31E-05	3.35E-08	1.01E-07	5.85E-08	5.71E-08	5.17E-08	2.36E-08	2.33E-08	1.12E-09	2.70E-08	5.96E-09	7.75E-09	1.23E-08	2.17E-09	1.54E-09	5.78E-08	3.05E-08	1.29E-08	1.52E-08	5.98E-09	3.05E-08	1.29E-08
4560	478863.09	3859377	1.14E-04	1.11E-04	1.10E-04	3.95E-08	1.19E-07	6.90E-08	6.74E-08	6.11E-08	2.79E-08	2.75E-08	1.32E-09	3.19E-08	7.03E-09	9.15E-09	1.45E-08	2.56E-09	1.81E-09	6.82E-08	3.60E-08	1.53E-08	1.80E-08	7.06E-09	3.60E-08	1.53E-08
4561	479363.09	3859377	1.31E-04	1.28E-04	1.26E-04	4.54E-08	1.37E-07	7.93E-08	7.74E-08	7.02E-08	3.20E-08	3.16E-08	1.52E-09	3.66E-08	8.08E-09	1.05E-08	1.67E-08	2.94E-09	2.08E-09	7.84E-08	4.14E-08	1.76E-08	2.07E-08	8.11E-09	4.14E-08	1.76E-08
4562	479863.09	3859377	1.46E-04	1.42E-04	1.40E-04	5.04E-08	1.52E-07	8.81E-08	8.60E-08	7.79E-08	3.56E-08	3.51E-08	1.68E-09	4.07E-08	8.97E-09	1.17E-08	1.85E-08	3.26E-09	2.31E-09	8.71E-08	4.60E-08	1.95E-08	2.29E-08	9.01E-09	4.60E-08	1.95E-08
4563	480363.09	3859377	1.59E-04	1.55E-04	1.53E-04	5.51E-08	1.67E-07	9.64E-08	9.41E-08	8.53E-08	3.89E-08	3.84E-08	1.84E-09	4.45E-08	9.82E-09	1.28E-08	2.03E-08	3.57E-09	2.53E-09	9.53E-08	5.03E-08	2.13E-08	2.51E-08	9.86E-09	5.03E-08	2.13E-08
4564	480863.09	3859377	1.70E-04	1.66E-04	1.64E-04	5.89E-08	1.78E-07	1.03E-07	1.00E-07	9.10E-08	4.15E-08	4.10E-08	1.97E-09	4.75E-08	1.05E-08	1.36E-08	2.16E-08	3.81E-09	2.70E-09	1.02E-07	5.37E-08	2.28E-08	2.68E-08	1.05E-08	5.37E-08	2.28E-08
4565	481363.09	3859377	1.79E-04	1.75E-04	1.73E-04	6.20E-08	1.87E-07	1.08E-07	1.06E-07	9.59E-08	4.38E-08	4.32E-08	2.07E-09	5.00E-08	1.10E-08	1.44E-08	2.28E-08	4.02E-09	2.85E-09	1.07E-07	5.66E-08	2.40E-08	2.82E-08	1.11E-08	5.66E-08	2.40E-08
4566	481863.09	3859377	1.88E-04	1.84E-04	1.81E-04	6.52E-08	1.97E-07	1.14E-07	1.11E-07	1.01E-07	4.60E-08	4.54E-08	2.18E-09	5.26E-08	1.16E-08	1.51E-08	2.40E-08	4.22E-09	2.99E-09	1.13E-07	5.94E-08	2.52E-08	2.97E-08	1.17E-08	5.94E-08	2.52E-08
4567	482363.09	3859377	1.99E-04	1.94E-04	1.92E-04	6.89E-08	2.08E-07	1.20E-07	1.18E-07	1.07E-07	4.86E-08	4.80E-08	2.30E-09	5.56E-08	1.23E-08	1.60E-08	2.53E-08	4.46E-09	3.17E-09	1.19E-07	6.29E-08	2.67E-08	3.14E-08	1.23E-08	6.29E-08	2.67E-08
4568	482863.09	3859377	2.11E-04	2.06E-04	2.03E-04	7.31E-08	2.21E-07	1.28E-07	1.25E-07	1.13E-07	5.16E-08	5.09E-08	2.44E-09	5.90E-08	1.30E-08	1.69E-08	2.69E-08	4.73E-09	3.36E-09	1.26E-07	6.66E-08	2.83E-08	3.33E-08	1.31E-08	6.66E-08	2.83E-08
4569	483363.09	3859377	2.30E-04	2.25E-04	2.22E-04	7.97E-08	2.41E-07	1.39E-07	1.36E-07	1.23E-07	5.62E-08	5.55E-08	2.66E-09	6.43E-08	1.42E-08	1.85E-08	2.93E-08	5.16E-09	3.66E-09	1.38E-07	7.27E-08	3.08E-08	3.63E-08	1.43E-08	7.27E-08	3.08E-08
4570	483863.09	3859377	2.47E-04	2.41E-04	2.38E-04	8.55E-08	2.58E-07	1.49E-07	1.46E-07	1.32E-07	6.03E-08	5.95E-08	2.85E-09	6.89E-08	1.52E-08	1.98E-08	3.14E-08	5.53E-09	3.92E-09	1.48E-07	7.79E-08	3.31E-08	3.89E-08	1.53E-08	7.79E-08	3.31E-08
4571	484363.09	3859377	2.67E-04	2.60E-04	2.57E-04	9.23E-08	2.79E-07	1.61E-07	1.58E-07	1.43E-07	6.51E-08	6.43E-08	3.08E-09	7.45E-08	1.64E-08	2.14E-08	3.39E-08	5.98E-09	4.24E-09	1.60E-07	8.42E-08	3.57E-08	4.20E-08	1.65E-08	8.42E-08	3.57E-08
4572	484863.09	3859377	2.89E-04	2.82E-04	2.78E-04	1.00E-07	3.02E-07	1.75E-07	1.71E-07	1.55E-07	7.06E-08	6.97E-08	3.34E-09	8.07E-08	1.78E-08	2.32E-08	3.68E-08	6.48E-09	4.60E-09	1.73E-07	9.13E-08	3.87E-08	4.56E-08	1.79E-08	9.13E-08	3.87E-08
4573	485363.09	3859377	3.17E-04	3.10E-04	3.06E-04	1.10E-07	3.32E-07	1.92E-07	1.87E-07	1.70E-07	7.75E-08	7.65E-08	3.67E-09	8.86E-08	1.96E-08	2.54E-08	4.04E-08	7.11E-09	5.04E-09	1.90E-07	1.00E-07	4.25E-08	5.00E-08	1.96E-08	1.00E-07	4.25E-08
4574	485863.09	3859377	3.51E-04	3.42E-04	3.38E-04	1.21E-07	3.66E-07	2.12E-07	2.07E-07	1.88E-07	8.56E-08	8.45E-08	4.05E-09	9.79E-08	2.16E-08	2.81E-08	4.46E-08	7.86E-09	5.57E-09	2.10E-07	1.11E-07	4.69E-08	5.52E-08	2.17E-08	1.11E-07	4.69E-08
4575	486363.09	3859377	3.89E-04	3.79E-04	3.74E-04	1.35E-07	4.06E-07	2.35E-07	2.30E-07	2.08E-07	9.49E-08	9.37E-08	4.49E-09	1.09E-07	2.40E-08	3.12E-08	4.94E-08	8.71E-09	6.18E-09	2.32E-07	1.23E-07	5.21E-08	6.12E-08	2.41E-08	1.23E-07	5.21E-08
4576	486863.09	3859377	4.38E-04	4.28E-04	4.22E-04	1.52E-07	4.58E-07	2.65E-07	2.59E-07	2.34E-07	1.07E-07	1.06E-07	5.06E-09	1.22E-07	2.70E-08	3.51E-08	5.57E-08	9.82E-09	6.96E-09	2.62E-07	1.38E-07	5.87E-08	6.90E-08	2.71E-08	1.38E-07	5.87E-08
4577	487363.09	3859377	5.12E-04	4.99E-04	4.93E-04	1.77E-07	5.35E-07	3.10E-07	3.02E-07	2.74E-07	1.25E-07	1.23E-07	5.91E-09	1.43E-07	3.15E-08	4.10E-08	6.51E-08	1.15E-08	8.13E-09	3.06E-07	1.61E-07	6.85E-08	8.06E-08	3.17E-08	1.61E-07	6.85E-08
4578	487863.09	3859377	6.32E-04	6.17E-04	6.08E-04	2.19E-07	6.60E-07	3.82E-07	3.73E-07	3.38E-07	1.54E-07	1.52E-07	7.30E-09	1.76E-07	3.89E-08	5.07E-08	8.04E-08	1.42E-08	1.00E-08	3.78E-07	1.99E-07	8.46E-08	9.95E-08	3.91E-08	1.99E-07	8.46E-08
4579	488363.09	3859377	8.45E-04	8.25E-04	8.14E-04	2.93E-07	8.83E-07	5.11E-07	4.99E-07	4.52E-07	2.06E-07	2.04E-07	9.77E-09	2.36E-07	5.21E-08	6.77E-08	1.07E-07	1.89E-08	1.34E-08	5.05E-07	2.67E-07	1.13E-07	1.33E-07	5.23E-08	2.67E-07	1.13E-07
4580	488863.09	3859377	1.34E-03	1.31E-03	1.29E-03	4.65E-07	1.41E-06	8.14E-07	7.94E-07	7.20E-07	3.28E-07	3.24E-07	1.55E-08	3.75E-07	8.28E-08	1.08E-07	1.71E-07	3.01E-08	2.14E-08	8.04E-07	4.24E-07	1.80E-07	2.12E-07	8.32E-08	4.24E-07	1.80E-07
4581	489363.09	3859377	3.70E-03	3.61E-03	3.56E-03	1.28E-06	3.87E-06	2.24E-06	2.19E-06	1.98E-06	9.04E-07	8.92E-07	4.28E-08	1.03E-06	2.28E-07	2.97E-07	4.71E-07	8.29E-08	5.88E-08	2.21E-06	1.17E-06	4.96E-07	5.83E-07	2.29E-07	1.17E-06	4.96E-07

4582	489863.09	3859377	1.24E-02	1.21E-02	1.20E-02	4.31E-06	1.30E-05	7.53E-06	7.35E-06	6.66E-06	3.04E-06	3.00E-06	1.44E-07	3.48E-06	7.67E-07	9.98E-07	1.58E-06	2.79E-07	1.98E-07	7.44E-06	3.93E-06	1.67E-06	1.96E-06	7.70E-07	3.93E-06	1.67E-06
4583	490363.09	3859377	3.92E-03	3.83E-03	3.77E-03	1.36E-06	4.10E-06	2.37E-06	2.31E-06	2.10E-06	9.57E-07	9.45E-07	4.53E-08	1.09E-06	2.42E-07	3.14E-07	4.99E-07	8.79E-08	6.23E-08	2.34E-06	1.24E-06	5.25E-07	6.18E-07	2.43E-07	1.24E-06	5.25E-07
4584	490863.09	3859377	2.14E-03	2.09E-03	2.06E-03	7.41E-07	2.24E-06	1.29E-06	1.26E-06	1.15E-06	5.23E-07	5.16E-07	2.47E-08	5.98E-07	1.32E-07	1.72E-07	2.72E-07	4.80E-08	3.40E-08	1.28E-06	6.75E-07	2.87E-07	3.37E-07	1.32E-07	6.75E-07	2.87E-07
4585	491363.09	3859377	1.27E-03	1.24E-03	1.22E-03	4.40E-07	1.33E-06	7.70E-07	7.51E-07	6.81E-07	3.11E-07	3.07E-07	1.47E-08	3.55E-07	7.84E-08	1.02E-07	1.62E-07	2.85E-08	2.02E-08	7.61E-07	4.01E-07	1.70E-07	2.00E-07	7.87E-08	4.01E-07	1.70E-07
4586	491863.09	3859377	1.19E-03	1.17E-03	1.15E-03	4.13E-07	1.25E-06	7.22E-07	7.05E-07	6.39E-07	2.92E-07	2.88E-07	1.38E-08	3.33E-07	7.36E-08	9.57E-08	1.52E-07	2.68E-08	1.90E-08	7.14E-07	3.77E-07	1.60E-07	1.88E-07	7.39E-08	3.77E-07	1.60E-07
4587	492363.09	3859377	1.02E-03	9.92E-04	9.79E-04	3.52E-07	1.06E-06	6.15E-07	6.00E-07	5.44E-07	2.48E-07	2.45E-07	1.17E-08	2.84E-07	6.26E-08	8.15E-08	1.29E-07	2.28E-08	1.62E-08	6.08E-07	3.21E-07	1.36E-07	1.60E-07	6.29E-08	3.21E-07	1.36E-07
4588	492863.09	3859377	9.08E-04	8.86E-04	8.74E-04	3.14E-07	9.49E-07	5.49E-07	5.36E-07	4.86E-07	2.22E-07	2.19E-07	1.05E-08	2.53E-07	5.59E-08	7.28E-08	1.15E-07	2.03E-08	1.44E-08	5.43E-07	2.87E-07	1.22E-07	1.43E-07	5.62E-08	2.87E-07	1.22E-07
4589	493363.09	3859377	7.63E-04	7.45E-04	7.35E-04	2.64E-07	7.97E-07	4.62E-07	4.50E-07	4.08E-07	1.86E-07	1.84E-07	8.82E-09	2.13E-07	4.70E-08	6.12E-08	9.70E-08	1.71E-08	1.21E-08	4.56E-07	2.41E-07	1.02E-07	1.20E-07	4.72E-08	2.41E-07	1.02E-07
4590	493863.09	3859377	6.91E-04	6.74E-04	6.66E-04	2.39E-07	7.22E-07	4.18E-07	4.08E-07	3.70E-07	1.69E-07	1.67E-07	7.99E-09	1.93E-07	4.26E-08	5.54E-08	8.79E-08	1.55E-08	1.10E-08	4.13E-07	2.18E-07	9.26E-08	1.09E-07	4.28E-08	2.18E-07	9.26E-08
4591	494363.09	3859377	6.19E-04	6.04E-04	5.96E-04	2.14E-07	6.47E-07	3.75E-07	3.65E-07	3.31E-07	1.51E-07	1.49E-07	7.16E-09	1.73E-07	3.81E-08	4.96E-08	7.87E-08	1.39E-08	9.84E-09	3.70E-07	1.95E-07	8.29E-08	9.75E-08	3.83E-08	1.95E-07	8.29E-08
4592	494863.09	3859377	5.32E-04	5.19E-04	5.12E-04	1.84E-07	5.56E-07	3.22E-07	3.14E-07	2.85E-07	1.30E-07	1.28E-07	6.15E-09	1.49E-07	3.28E-08	4.26E-08	6.76E-08	1.19E-08	8.45E-09	3.18E-07	1.68E-07	7.12E-08	8.38E-08	3.29E-08	1.68E-07	7.12E-08
4593	495363.09	3859377	4.95E-04	4.83E-04	4.77E-04	1.71E-07	5.17E-07	2.99E-07	2.92E-07	2.65E-07	1.21E-07	1.19E-07	5.72E-09	1.38E-07	3.05E-08	3.97E-08	6.29E-08	1.11E-08	7.87E-09	2.96E-07	1.56E-07	6.63E-08	7.80E-08	3.06E-08	1.56E-07	6.63E-08
4594	495863.09	3859377	4.55E-04	4.44E-04	4.38E-04	1.58E-07	4.76E-07	2.75E-07	2.69E-07	2.44E-07	1.11E-07	1.10E-07	5.26E-09	1.27E-07	2.80E-08	3.65E-08	5.79E-08	1.02E-08	7.23E-09	2.72E-07	1.44E-07	6.09E-08	7.17E-08	2.82E-08	1.44E-07	6.09E-08
4595	496363.09	3859377	4.39E-04	4.28E-04	4.22E-04	1.52E-07	4.58E-07	2.65E-07	2.59E-07	2.35E-07	1.07E-07	1.06E-07	5.07E-09	1.22E-07	2.70E-08	3.52E-08	5.58E-08	9.83E-09	6.97E-09	2.62E-07	1.38E-07	5.87E-08	6.91E-08	2.71E-08	1.38E-07	5.87E-08
4596	496863.09	3859377	4.04E-04	3.94E-04	3.89E-04	1.40E-07	4.22E-07	2.45E-07	2.39E-07	2.16E-07	9.87E-08	9.74E-08	4.67E-09	1.13E-07	2.49E-08	3.24E-08	5.14E-08	9.06E-09	6.42E-09	2.42E-07	1.28E-07	5.41E-08	6.37E-08	2.50E-08	1.28E-07	5.41E-08
4597	497363.09	3859377	4.04E-04	3.94E-04	3.89E-04	1.40E-07	4.22E-07	2.45E-07	2.39E-07	2.16E-07	9.87E-08	9.74E-08	4.67E-09	1.13E-07	2.49E-08	3.24E-08	5.14E-08	9.06E-09	6.42E-09	2.42E-07	1.28E-07	5.41E-08	6.37E-08	2.50E-08	1.28E-07	5.41E-08
4598	497863.09	3859377	4.19E-04	4.09E-04	4.03E-04	1.45E-07	4.38E-07	2.54E-07	2.47E-07	2.24E-07	1.02E-07	1.01E-07	4.84E-09	1.17E-07	2.58E-08	3.36E-08	5.33E-08	9.39E-09	6.66E-09	2.51E-07	1.32E-07	5.61E-08	6.60E-08	2.59E-08	1.32E-07	5.61E-08
4599	498363.09	3859377	4.33E-04	4.22E-04	4.17E-04	1.50E-07	4.52E-07	2.62E-07	2.55E-07	2.32E-07	1.06E-07	1.04E-07	5.00E-09	1.21E-07	2.67E-08	3.47E-08	5.50E-08	9.70E-09	6.88E-09	2.59E-07	1.37E-07	5.79E-08	6.82E-08	2.68E-08	1.37E-07	5.79E-08
4600	471363.09	3859877	9.21E-05	8.99E-05	8.87E-05	3.19E-08	9.63E-08	5.57E-08	5.44E-08	4.93E-08	2.25E-08	2.22E-08	1.06E-09	2.57E-08	5.67E-09	7.38E-09	1.17E-08	2.06E-09	1.46E-09	5.51E-08	2.91E-08	1.23E-08	1.45E-08	5.70E-09	2.91E-08	1.23E-08
4601	471863.09	3859877	9.46E-05	9.23E-05	9.11E-05	3.27E-08	9.89E-08	5.72E-08	5.59E-08	5.06E-08	2.31E-08	2.28E-08	1.09E-09	2.64E-08	5.83E-09	7.58E-09	1.20E-08	2.12E-09	1.50E-09	5.66E-08	2.99E-08	1.27E-08	1.49E-08	5.85E-09	2.99E-08	1.27E-08
4602	472363.09	3859877	9.63E-05	9.39E-05	9.27E-05	3.33E-08	1.01E-07	5.82E-08	5.68E-08	5.15E-08	2.35E-08	2.32E-08	1.11E-09	2.69E-08	5.93E-09	7.72E-09	1.22E-08	2.16E-09	1.53E-09	5.76E-08	3.04E-08	1.29E-08	1.52E-08	5.96E-09	3.04E-08	1.29E-08
4603	472863.09	3859877	9.92E-05	9.68E-05	9.55E-05	3.43E-08	1.04E-07	6.00E-08	5.85E-08	5.31E-08	2.42E-08	2.39E-08	1.15E-09	2.77E-08	6.11E-09	7.95E-09	1.26E-08	2.22E-09	1.58E-09	5.93E-08	3.13E-08	1.33E-08	1.56E-08	6.14E-09	3.13E-08	1.33E-08
4604	473363.09	3859877	1.02E-04	9.92E-05	9.79E-05	3.52E-08	1.06E-07	6.15E-08	6.00E-08	5.44E-08	2.48E-08	2.45E-08	1.17E-09	2.84E-08	6.26E-09	8.15E-09	1.29E-08	2.28E-09	1.62E-09	6.08E-08	3.21E-08	1.36E-08	1.60E-08	6.29E-09	3.21E-08	1.36E-08
4605	473863.09	3859877	1.04E-04	1.02E-04	1.00E-04	3.60E-08	1.09E-07	6.30E-08	6.15E-08	5.57E-08	2.54E-08	2.51E-08	1.20E-09	2.91E-08	6.42E-09	8.35E-09	1.32E-08	2.33E-09	1.66E-09	6.23E-08	3.29E-08	1.39E-08	1.64E-08	6.44E-09	3.29E-08	1.39E-08
4606	474363.09	3859877	1.01E-04	9.88E-05	9.75E-05	3.50E-08	1.06E-07	6.13E-08	5.98E-08	5.42E-08	2.47E-08	2.44E-08	1.17E-09	2.83E-08	6.24E-09	8.12E-09	1.29E-08	2.27E-09	1.61E-09	6.05E-08	3.19E-08	1.36E-08	1.59E-08	6.26E-09	3.19E-08	1.36E-08
4607	474863.09	3859877	9.54E-05	9.31E-05	9.19E-05	3.30E-08	9.97E-08	5.77E-08	5.63E-08	5.11E-08	2.33E-08	2.30E-08	1.10E-09	2.66E-08	5.88E-09	7.65E-09	1.21E-08	2.14E-09	1.52E-09	5.71E-08	3.01E-08	1.28E-08	1.50E-08	5.91E-09	3.01E-08	1.28E-08
4608	475363.09	3859877	8.26E-05	8.06E-05	7.95E-05	2.86E-08	8.63E-08	5.00E-08	4.87E-08	4.42E-08	2.02E-08	1.99E-08	9.54E-10	2.31E-08	5.09E-09	6.62E-09	1.05E-08	1.85E-09	1.31E-09	4.94E-08	2.61E-08	1.11E-08	1.30E-08	5.11E-09	2.61E-08	1.11E-08
4609	475863.09	3859877	7.01E-05	6.84E-05	6.75E-05	2.43E-08	7.33E-08	4.24E-08	4.14E-08	3.75E-08	1.71E-08	1.69E-08	8.10E-10	1.96E-08	4.32E-09	5.62E-09	8.92E-09	1.57E-09	1.11E-09	4.19E-08	2.21E-08	9.39E-09	1.10E-08	4.34E-09	2.21E-08	9.39E-09
4610	476363.09	3859877	6.22E-05	6.07E-05	5.99E-05	2.15E-08	6.50E-08	3.77E-08	3.67E-08	3.33E-08	1.52E-08	1.50E-08	7.19E-10	1.74E-08	3.83E-09	4.99E-09	7.91E-09	1.39E-09	9.89E-10	3.72E-08	1.96E-08	8.33E-09	9.80E-09	3.85E-09	1.96E-08	8.33E-09
4611	476863.09	3859877	6.56E-05	6.40E-05	6.31E-05	2.27E-08	6.85E-08	3.97E-08	3.87E-08	3.51E-08	1.60E-08	1.58E-08	7.58E-10	1.83E-08	4.04E-09	5.25E-09	8.34E-09	1.47E-09	1.04E-09	3.92E-08	2.07E-08	8.78E-09	1.03E-08	4.06E-09	2.07E-08	8.78E-09
4612	477363.09	3859877	6.80E-05	6.64E-05	6.55E-05	2.36E-08	7.11E-08	4.12E-08	4.02E-08	3.64E-08	1.66E-08	1.64E-08	7.87E-10	1.90E-08	4.19E-09	5.45E-09	8.65E-09	1.52E-09	1.08E-09	4.07E-08	2.15E-08	9.11E-09	1.07E-08	4.21E-09	2.15E-08	9.11E-09
4613	477863.09	3859877	7.88E-05	7.69E-05	7.59E-05	2.73E-08	8.24E-08	4.77E-08	4.65E-08	4.22E-08	1.93E-08	1.90E-08	9.11E-10	2.20E-08	4.86E-09	6.32E-09	1.00E-08	1.77E-09	1.25E-09	4.71E-08	2.49E-08	1.06E-08	1.24E-08	4.88E-09	2.49E-08	1.06E-08
4614	478363.09	3859877	9.25E-05	9.03E-05	8.91E-05	3.20E-08	9.67E-08	5.60E-08	5.46E-08	4.95E-08	2.26E-08	2.23E-08	1.07E-09	2.58E-08	5.70E-09	7.42E-09	1.18E-08	2.07E-09	1.47E-09	5.53E-08	2.92E-08	1.24E-08	1.46E-08	5.73E-09	2.92E-08	1.24E-08
4615	478863.09	3859877	1.10E-04	1.07E-04	1.05E-04	3.79E-08	1.14E-07	6.63E-08	6.47E-08	5.86E-08	2.67E-08	2.64E-08	1.27E-09	3.06E-08	6.75E-09	8.78E-09	1.39E-08	2.45E-09	1.74E-09	6.55E-08	3.46E-08	1.47E-08	1.73E-08	6.78E-09	3.46E-08	1.47E-08
4616	479363.09	3859877	1.28E-04	1.25E-04	1.23E-04	4.42E-08	1.34E-07	7.73E-08	7.54E-08	6.84E-08	3.12E-08	3.08E-08	1.48E-09	3.57E-08	7.87E-09	1.02E-08	1.63E-08	2.86E-09	2.03E-09	7.64E-08	4.03E-08	1.71E-08	2.01E-08	7.91E-09	4.03E-08	1.71E-08
4617	479863.09	3859877	1.41E-04	1.38E-04	1.36E-04	4.90E-08	1.48E-07	8.56E-08	8.35E-08	7.57E-08	3.46E-08	3.41E-08	1.64E-09	3.95E-08	8.72E-09	1.13E-08	1.80E-08	3.17E-09	2.25E-09	8.46E-08	4.47E-08	1.89E-08	2.23E-08	8.76E-09	4.47E-08	1.89E-08
4618	480363.09	3859877	1.53E-04	1.49E-04	1.47E-04	5.30E-08	1.60E-07	9.26E-08	9.04E-08	8.19E-08	3.74E-08	3.69E-08	1.77E-09	4.27E-08	9.43E-09	1.23E-08	1.95E-08	3.43E-09	2.43E-09	9.16E-08	4.83E-08	2.05E-08	2.41E-08	9.47E-09	4.83E-08	2.05E-08
4619	480863.09	3859877	1.62E-04	1.58E-04	1.56E-04	5.60E-08	1.69E-07	9.79E-08	9.55E-08	8.66E-08	3.95E-08	3.90E-08	1.87E-09	4.52E-08	9.97E-09	1.30E-08	2.06E-08	3.63E-09	2.57E-09	9.68E-08	5.11E-08	2.17E-08	2.55E-08	1.00E-08	5.11E-08	2.17E-08
4620	481363.09	3859877	1.69E-04	1.65E-04	1.63E-04	5.86E-08	1.77E-07	1.02E-07	9.99E-08	9.06E-08	4.13E-08	4.08E-08	1.96E-09	4.73E-08	1.04E-08	1.36E-08	2.15E-08	3.79E-09	2.69E-09	1.01E-07	5.34E-08	2.27E-08	2.67E-08	1.05E-08	5.34E-08	2.27E-08
4621	481863.09	3859877	1.77E-04	1.73E-04	1.71E-04	6.13E-08	1.85E-07	1.07E-07	1.05E-07	9.48E-08	4.33E-08	4.27E-08	2.05E-09	4.95E-08	1.09E-08	1.42E-08	2.25E-08	3.97E-09	2.82E-09	1.06E-07	5.59E-08	2.37E-08	2.79E-08	1.10E-08	5.59E-08	2.37E-08
4622	482363.09	3859877	1.86E-04	1.82E-04	1.79E-04	6.45E-08	1.95E-07	1.13E-07	1.10E-07	9.97E-08	4.55E-08	4.49E-08	2.15E-09	5.20E-08	1.15E-08	1.49E-08	2.37E-08	4.18E-09	2.96E-09	1.11E-07	5.88E-08	2.49E-08	2.93E-08	1.15E-08	5.88E-08	2.49E-08
4623	482863.09	3859877	1.95E-04	1.90E-04	1.87E-04	6.74E-08	2.03E-07	1.18E-07	1.15E-07	1.04E-07	4.75E-08	4.69E-08	2.25E-09	5.43E-08	1.20E-08	1.56E-08	2.47E-08	4.36E-09	3.09E-09	1.16E-07	6.14E-08	2.61E-08	3.07E-08	1.20E-08	6.14E-08	2.61E-08
4624	483363.09	3859877	2.05E-04	2.00E-04	1.98E-04	7.11E-08	2.15E-07	1.24E-07	1.21E-07	1.10E-07	5.02E-08	4.95E-08	2.37E-09	5.73E-08	1.27E-08	1.65E-08	2.61E-08	4.60E-09	3.26E-09	1.23E-07	6.48E-08	2.75E-08	3.24E-08	1.27E-08	6.48E-08	2.75E-08
4625	483863.09	3859877	2.20E-04	2.15E-04	2.12E-04	7.61E-08	2.30E-07	1.33E-07	1.30E-07	1.18E-07	5.37E-08	5.30E-08	2.54E-09	6.14E-08	1.35E-08	1.76E-08	2.80E-08	4.93E-09	3.50E-09	1.31E-07	6.94E-08	2.94E-08	3.46E-08	1.36E-08	6.94E-08	2.94E-08
4626	484363.09	3859877	2.33E-04	2.27E-04	2.24E-04	8.06E-08	2.43E-07	1.41E-07	1.37E-07	1.25E-07	5.68E-08	5.61E-08	2.69E-09	6.50E-08	1.43E-08	1.87E-08	2.96E-08	5.22E-09	3.70E-09	1.39E-07	7.35E-08	3.12E-08	3.67E-08	1.44E-08	7.35E-08	3.12E-08
4627	484863.09	3859877	2.48E-04	2.42E-04	2.39E-04	8.59E-08	2.59E-07	1.50E-07	1.46E-07	1.33E-07	6.06E-08	5.98E-08	2.87E-09	6.93E-08	1.53E-08	1.99E-08	3.16E-08	5.56E-09	3.94E-09	1.48E-07	7.83E-08	3.32E-08	3.91E-08	1.54E-08	7.83E-08	3.32E-08
4628	485363.09	3859877	2.69E-04	2.63E-04	2.59E-04	9.32E-08	2.81E-07	1.63E-07	1.59E-07	1.44E-07	6.58E-08	6.49E-08	3.11E-09	7.52E-08	1.66E-08	2.16E-08	3.42E-08	6.03E-09	4.28E-09	1.61E-07	8.50E-08	3.61E-08	4.24E-08	1.67E-08	8.50E-08	3.61E-08
4629	485863.09	3859877	2.97E-04	2.90E-04	2.86E-04	1.03E-07	3.11E-07	1.80E-07	1.76E-07	1.59E-07	7.26E-08	7.17E-08	3.44E-09	8.31E-08	1.83E-08	2.38E-08	3.78E-08	6.67E-09	4.73E-09	1.78E-07	9.39E-08	3.98E-08	4.69E-08	1.84E-08	9.39E-08	3.98E-08
4630	486363.09	3859877	3.32E-04	3.24E-04	3.20E-04	1.15E-07	3.47E-07	2.01E-07	1.96E-07	1.78E-07	8.11E-08	8.00E-08	3.84E-09	9.27E-08	2.04E-08	2.66E-08	4.22E-08	7.44E-09	5.28E-09	1.98E-07	1.05E-07	4.44E-08	5.23E-08	2.05E-08	1.05E-07	4.44E-08
4631	486863.09	3859877	3.73E-04	3.64E-04	3.59E-04	1.29E-07	3.90E-07	2.26E-07	2.20E-07	2.00E-07	9.11E-08	8.99E-08	4.31E-09	1.04E-07	2.30E-08	2.99E-08	4.74E-08	8.36E-09	5.93E-09	2.23E-07	1.18E-07	4.99E-08	5.88E-08	2.31E-08	1.18E-07	4.99E-08
4632	487363.09	3859877	4.18E-04	4.08E-04	4.02E-04	1.45E-07	4.37E-07	2.53E-07	2.47E-07	2.24E-07	1.02E-07	1.01E-07	4.83E-09	1.17E-07	2.57E-08	3.35E-08	5.31E-08	9.36E-09	6.64E-09	2.50E-07	1.32E-07	5.59E-08	6.58E-08	2.59E-08	1.32E-07	5.59E-08
4633	487863.09	3859877	4.79E-04	4.67E-04	4.61E-04	1.66E-07	5.00E-07	2.90E-07	2.83E-07	2.56E-07	1.17E-07	1.15E-07	5.53E-09	1.34E-07	2.95E-08	3.84E-08	6.09E-08	1.07E-08	7.61E-09	2.86E-07	1.51E-07	6.41E-08	7.54E-08	2.96E-08	1.51E-07	6.41E-08
4634	488363.09	3859877	5.53E-04	5.39E-04	5.32E-04	1.91E-07	5.78E-07	3.34E-07	3.26E-07	2.96E-07	1.35E-07	1.33E-07	6.39E-09	1.54E-07	3.40E-08	4.43E-08	7.03E-08	1.24E-08	8.78E-09	3.30E-07	1.74E-07	7.40E-08	8.71E-08	3.42E-08	1.74E-07	7.40E-08
4635	488863.09	3859877	6.91E-04	6.74E-04	6.65E-04	2.39E-07	7.22E-07	4.18E-07	4.08E-07	3.70E-07	1.69E-07	1.66E-07	7.98E-09	1.93E-07	4.26E-08	5.54E-08	8.78E-08	1.55E-08	1.10E-08	4.13E-07	2.18E-07	9.25E-08	1.09E-07	4.28E-08	2.18E-07	9.25E-08
4636	489363.09	3859877	9.42E-04	9.19E-04	9.07E-04	3.26E-07	9.85E-07	5.70E-07	5.56E-07	5.04E-07	2.30E-07	2.27E-07	1.09E-08	2.63E-07	5.81E-08	7.55E-08	1.20E-07	2.11E-08	1.50E-08	5.63E-07	2.97E-07	1.26E-07	1.48E-07	5.83E-08	2.97E-07	1.26E-07
4637	489863.09	3859877	1.49E-03	1.46E-03	1.44E-03	5.16E-07	1.56E-06	9.02E-07	8.81E-07	7.98E-07	3.64E-07	3.59E-07	1.72E-08	4.16E-07	9.19E-08	1.20E-07	1.90E-07	3.34E-08	2.37E-08	8.92E-07	4.71E-07	2.00E-07	2.35E-07	9.23E-08	4.71E-07	2.00E-07
4638	490363.09	3859877	3.36E-03	3.28E-03	3.24E-03	1.16E-06	3.51E-06	2.03E-06	1.99E-06	1.80E-06	8.21E-07	8.10E-07	3.89E-08	9.39E-07	2.07E-07	2.70E-07	4.28E-07	7.54E-08	5.34E-08	2.01E-06	1.06E-06	4.50E-07	5.30E-07	2.08E-07	1.06E-06	4.50E-07
4639	490863.09	3859877	2.70E-02	2.64E-02	2.60E-02	9.36E-06	2.83E-05	1.64E-05	1.60E-05	1.45E-05	6.61E-06	6.52E-06	3.13E-07	7.55E-06	1.67E-06	2.17E-06	3.44E-06	6.06E-07	4.30E-07	1.62E-05	8.54E-06	3.62E-06	4.26E-06	1.67E-06	8.54E-06	3.62E-06
4640	491363.09	3859877	4.97E-03	4.85E-03	4.79E-03	1.72E-06	5.20E-06	3.01E-06	2.94E-06	2.66E-06	1.21E-06	1.20E-06	5.75E-08	1.39E-06	3.07E-07	3.99E-07	6.33E-07	1.11E-07	7.91E-08	2.98E-06	1.57E-06	6.66E-07	7.84E-07	3.08E-07	1.57E-06	6.66E-07
4641	491863.09	3859877	2.51E-03	2.45E-03	2.42E-03	8.70E-07	2.63E-06	1.52E-06	1.48E-06	1.35E-06	6.14E-07	6.06E-07	2.91E-08	7.02E-07	1.55E-07	2.02E-07	3.20E-07	5.63E-08	4.00E-08	1.50E-06	7.93E-07	3.37E-07	3.96E-07	1.56E-07	7.93E-07	3.37E-07
4642	492363.09	3859877	1.70E-03	1.66E-03	1.64E-03	5.90E-07	1.78E-06	1.03E-06	1.01E-06	9.12E-07	4.16E-07	4.11E-07	1.97E-08	4.76E-07	1.05E-07	1.37E-07	2.17E-07	3.82E-08	2.71E-08	1.02E-06	5.38E-07	2.28E-07	2.68E-07	1.05E-07	5.38E-07	2.28E-07
4643	492863.09	3859877	1.25E-03	1.22E-03	1.20E-03	4.32E-07	1.31E-06	7.56E-07	7.38E-07	6.69E-07	3.05E-07	3.01E-07	1.44E-08	3.49E-07	7.70E-08	1.00E-07	1.59E-07	2.80E-08	1.99E-08	7.47E-07	3.94E-07	1.67E-07	1.97E-07	7.73E-08	3.94E-07	1.67E-07
4644	493363.09	3859877	1.03E-03	1.00E-03	9.90E-04	3.56E-07	1.07E-06	6.22E-07	6.07E-07	5.50E-07	2.51E-07	2.48E-07	1.19E-08	2.87E-07	6.33E-08	8.24E-08	1.31E-07	2.30E-08	1.63E-08	6.15E-07	3.24E-07	1.38E-07	1.62E-07	6.36E-08	3.24E-07	1.38E-07
4645	493863.09	3859877	8.82E-04	8.61E-04	8.49E-04	3.05E-07	9.22E-07	5.34E-07	5.21E-07	4.72E-07	2.15E-07	2.13E-07	1.02E-08	2.46E-07	5.43E-08	7.07E-08	1.12E-07	1.98E-08	1.40E-08	5.27E-07	2.78E-07	1.18E-07	1.39E-07	5.46E-08	2.78E-07	1.18E-07
4646	494363.09	3859877	7.59E-04	7.41E-04	7.31E-04	2.63E-07	7.94E-07	4.59E-07	4.48E-07	4.06E-07	1.85E-07	1.83E-07	8.78E-09	2.12E-07	4.68E-08	6.09E-08	9.66E-08	1.70E-08	1.21E-08	4.54E-07	2.40E-07	1.02E-07	1.20E-07	4.70E-08	2.40E-07	1.02E-07
4647	494863.09	3859877	6.93E-04	6.76E-04	6.68E-04	2.40E-07	7.25E-07	4.19E-07	4.09E-07	3.71E-07	1.69E-07	1.67E-07	8.01E-09	1.94E-07	4.27E-08	5.56E-08	8.82E-08	1.55E-08	1.10E-08	4.15E-07	2.19E-07	9.28E-08	1.09E-07	4.29E-08	2.19E-07	9.28E-08
4648	495363.09	3859877	6.27E-04	6.12E-04	6.04E-04	2.17E-07	6.56E-07	3.80E-07	3.70E-07	3.36E-07	1.53E-07	1.51E-07	7.25E-09	1.75E-07	3.86E-08	5.03E-08	7.98E-08	1.41E-08	9.97E-09	3.75E-07	1.98E-07	8.40E-08	9.88E-08	3.88E-08	1.98E-07	8.40E-08
4649	495863.09	3859877	5.70E-04	5.57E-04	5.49E-04	1.97E-07	5.96E-07	3.45E-07	3.37E-07	3.05E-07	1.39E-07	1.37E-07	6.59E-09	1.59E-07	3.51E-08	4.57E-08	7.25E-08	1.28E-08	9.07E-09	3.41E-07	1.80E-07	7.64E-08	8.99E-08	3.53E-08	1.80E-07	7.64E-08
4650	496363.09	3859877	5.06E-04	4.94E-04	4.87E-04	1.75E-07	5.29E-07	3.06E-07	2.99E-07	2.71E-07	1.24E-07	1.22E-07	5.85E-09	1.41E-07	3.12E-08	4.05E-08	6.43E-08	1.13E-08	8.04E-09	3.02E-07	1.60E-07	6.77E-08	7.97E-08	3.13E-08	1.60E-07	6.77E-08
4651	496863.09	3859877	4.21E-04	4.11E-04	4.05E-04	1.46E-07	4.40E-07	2.55E-07	2.48E-07	2.25E-07	1.03E-07	1.01E-07	4.86E-09	1.17E-07	2.59E-08	3.37E-08	5.35E-08	9.43E-09	6.69E-09	2.52E-07	1.33E-07	5.63E-08	6.63E-08	2.60E-08	1.33E-07	5.63E-08
4652	497363.09	3859877	4.46E-04	4.35E-04	4.29E-04	1.54E-07	4.66E-07	2.70E-07	2.63E-07	2.39E-07	1.09E-07	1.07E-07	5.16E-09	1.25E-07	2.75E-08	3.58E-08	5.67E-08	1.00E-08	7.09E-09	2.67E-07	1.41E-07	5.97E-08	7.03E-08	2.76E-08	1.41E-07	5.97E-08
4653	497863.09	3859877	4.81E-04	4.70E-04	4.63E-04	1.67E-07	5.03E-07	2.91E-07	2.84E-07	2.58E-07	1.18E-07	1.16E-07	5.56E-09	1.34E-07	2.97E-08	3.86E-08	6.12E-08	1.08E-08	7.65E-09	2.88E-07	1.52E-07	6.44E-08	7.58E-08	2.98E-08	1.52E-07	6.44E-08
4654	498363.09	3859877	5.00E-04	4.87E-04	4.81E-04	1.73E-07	5.22E-07	3.02E-07	2.95E-07	2.67E-07	1.22E-07	1.20E-07	5.77E-09	1.39E-07	3.08E-08	4.00E-08	6.35E-08	1.12E-08	7.94E-09	2.99E-07	1.58E-07	6.69E-08	7.87E-08	3.09E-08	1.58E-07	6.69E-08
4655	471363.09	3860377	9.00E-05	8.79E-05	8.67E-05	3.12E-08	9.41E-08	5.45E-08	5.32E-08	4.82E-08	2.20E-08	2.17E-08	1.04E-09	2.51E-08	5.55E-09	7.22E-09	1.14E-08	2.02E-09	1.43E-09	5.38E-08	2.84E-08	1.21E-08	1.42E-08	5.57E-09	2.84E-08	1.21E-08

4656	471863.09	3860377	9.17E-05	8.95E-05	8.83E-05	3.17E-08	9.58E-08	5.55E-08	5.41E-08	4.91E-08	2.24E-08	2.21E-08	1.06E-09	2.56E-08	5.65E-09	7.35E-09	1.17E-08	2.05E-09	1.46E-09	5.48E-08	2.89E-08	1.23E-08	1.44E-08	5.67E-09	2.89E-08	1.23E-08
4657	472363.09	3860377	9.42E-05	9.19E-05	9.07E-05	3.26E-08	9.84E-08	5.70E-08	5.56E-08	5.04E-08	2.30E-08	2.27E-08	1.09E-09	2.63E-08	5.80E-09	7.55E-09	1.20E-08	2.11E-09	1.50E-09	5.63E-08	2.97E-08	1.26E-08	1.48E-08	5.83E-09	2.97E-08	1.26E-08
4658	472863.09	3860377	9.67E-05	9.43E-05	9.31E-05	3.35E-08	1.01E-07	5.85E-08	5.71E-08	5.17E-08	2.36E-08	2.33E-08	1.12E-09	2.70E-08	5.96E-09	7.75E-09	1.23E-08	2.17E-09	1.54E-09	5.78E-08	3.05E-08	1.29E-08	1.52E-08	5.98E-09	3.05E-08	1.29E-08
4659	473363.09	3860377	9.92E-05	9.68E-05	9.55E-05	3.43E-08	1.04E-07	6.00E-08	5.85E-08	5.31E-08	2.42E-08	2.39E-08	1.15E-09	2.77E-08	6.11E-09	7.95E-09	1.26E-08	2.22E-09	1.58E-09	5.93E-08	3.13E-08	1.33E-08	1.56E-08	6.14E-09	3.13E-08	1.33E-08
4660	473863.09	3860377	1.01E-04	9.84E-05	9.71E-05	3.49E-08	1.05E-07	6.10E-08	5.95E-08	5.40E-08	2.46E-08	2.43E-08	1.17E-09	2.81E-08	6.21E-09	8.08E-09	1.28E-08	2.26E-09	1.60E-09	6.03E-08	3.18E-08	1.35E-08	1.59E-08	6.24E-09	3.18E-08	1.35E-08
4661	474363.09	3860377	1.01E-04	9.88E-05	9.75E-05	3.50E-08	1.06E-07	6.13E-08	5.98E-08	5.42E-08	2.47E-08	2.44E-08	1.17E-09	2.83E-08	6.24E-09	8.12E-09	1.29E-08	2.27E-09	1.61E-09	6.05E-08	3.19E-08	1.36E-08	1.59E-08	6.26E-09	3.19E-08	1.36E-08
4662	474863.09	3860377	1.00E-04	9.76E-05	9.63E-05	3.46E-08	1.05E-07	6.05E-08	5.90E-08	5.35E-08	2.44E-08	2.41E-08	1.16E-09	2.79E-08	6.16E-09	8.02E-09	1.27E-08	2.24E-09	1.59E-09	5.98E-08	3.16E-08	1.34E-08	1.58E-08	6.19E-09	3.16E-08	1.34E-08
4663	475363.09	3860377	9.50E-05	9.27E-05	9.15E-05	3.29E-08	9.93E-08	5.75E-08	5.61E-08	5.09E-08	2.32E-08	2.29E-08	1.10E-09	2.65E-08	5.85E-09	7.62E-09	1.21E-08	2.13E-09	1.51E-09	5.68E-08	3.00E-08	1.27E-08	1.50E-08	5.88E-09	3.00E-08	1.27E-08
4664	475863.09	3860377	9.00E-05	8.79E-05	8.67E-05	3.12E-08	9.41E-08	5.45E-08	5.32E-08	4.82E-08	2.20E-08	2.17E-08	1.04E-09	2.51E-08	5.55E-09	7.22E-09	1.14E-08	2.02E-09	1.43E-09	5.38E-08	2.84E-08	1.21E-08	1.42E-08	5.57E-09	2.84E-08	1.21E-08
4665	476363.09	3860377	8.30E-05	8.10E-05	7.99E-05	2.87E-08	8.67E-08	5.02E-08	4.90E-08	4.44E-08	2.03E-08	2.00E-08	9.59E-10	2.32E-08	5.11E-09	6.65E-09	1.06E-08	1.86E-09	1.32E-09	4.96E-08	2.62E-08	1.11E-08	1.31E-08	5.14E-09	2.62E-08	1.11E-08
4666	476863.09	3860377	8.09E-05	7.89E-05	7.79E-05	2.80E-08	8.46E-08	4.90E-08	4.78E-08	4.33E-08	1.98E-08	1.95E-08	9.35E-10	2.26E-08	4.98E-09	6.49E-09	1.03E-08	1.81E-09	1.29E-09	4.84E-08	2.55E-08	1.08E-08	1.27E-08	5.01E-09	2.55E-08	1.08E-08
4667	477363.09	3860377	7.18E-05	7.00E-05	6.91E-05	2.48E-08	7.50E-08	4.34E-08	4.24E-08	3.84E-08	1.75E-08	1.73E-08	8.30E-10	2.00E-08	4.42E-09	5.75E-09	9.13E-09	1.61E-09	1.14E-09	4.29E-08	2.27E-08	9.61E-09	1.13E-08	4.44E-09	2.27E-08	9.61E-09
4668	477863.09	3860377	7.72E-05	7.53E-05	7.43E-05	2.67E-08	8.07E-08	4.67E-08	4.56E-08	4.13E-08	1.88E-08	1.86E-08	8.92E-10	2.15E-08	4.75E-09	6.19E-09	9.81E-09	1.73E-09	1.23E-09	4.61E-08	2.44E-08	1.03E-08	1.22E-08	4.78E-09	2.44E-08	1.03E-08
4669	478363.09	3860377	9.17E-05	8.95E-05	8.83E-05	3.17E-08	9.58E-08	5.55E-08	5.41E-08	4.91E-08	2.24E-08	2.21E-08	1.06E-09	2.56E-08	5.65E-09	7.35E-09	1.17E-08	2.05E-09	1.46E-09	5.48E-08	2.89E-08	1.23E-08	1.44E-08	5.67E-09	2.89E-08	1.23E-08
4670	478863.09	3860377	1.06E-04	1.04E-04	1.02E-04	3.68E-08	1.11E-07	6.43E-08	6.27E-08	5.68E-08	2.59E-08	2.56E-08	1.23E-09	2.97E-08	6.54E-09	8.51E-09	1.35E-08	2.38E-09	1.69E-09	6.35E-08	3.35E-08	1.42E-08	1.67E-08	6.57E-09	3.35E-08	1.42E-08
4671	479363.09	3860377	1.22E-04	1.19E-04	1.18E-04	4.24E-08	1.28E-07	7.41E-08	7.23E-08	6.55E-08	2.99E-08	2.95E-08	1.41E-09	3.42E-08	7.54E-09	9.81E-09	1.56E-08	2.74E-09	1.95E-09	7.32E-08	3.86E-08	1.64E-08	1.93E-08	7.57E-09	3.86E-08	1.64E-08
4672	479863.09	3860377	1.36E-04	1.32E-04	1.31E-04	4.70E-08	1.42E-07	8.21E-08	8.01E-08	7.26E-08	3.31E-08	3.27E-08	1.57E-09	3.79E-08	8.36E-09	1.09E-08	1.73E-08	3.04E-09	2.16E-09	8.11E-08	4.28E-08	1.82E-08	2.14E-08	8.40E-09	4.28E-08	1.82E-08
4673	480363.09	3860377	1.46E-04	1.42E-04	1.40E-04	5.04E-08	1.52E-07	8.81E-08	8.60E-08	7.79E-08	3.56E-08	3.51E-08	1.68E-09	4.07E-08	8.97E-09	1.17E-08	1.85E-08	3.26E-09	2.31E-09	8.71E-08	4.60E-08	1.95E-08	2.29E-08	9.01E-09	4.60E-08	1.95E-08
4674	480863.09	3860377	1.54E-04	1.51E-04	1.49E-04	5.34E-08	1.61E-07	9.34E-08	9.11E-08	8.26E-08	3.77E-08	3.72E-08	1.78E-09	4.31E-08	9.51E-09	1.24E-08	1.96E-08	3.46E-09	2.45E-09	9.23E-08	4.87E-08	2.07E-08	2.43E-08	9.55E-09	4.87E-08	2.07E-08
4675	481363.09	3860377	1.60E-04	1.56E-04	1.54E-04	5.54E-08	1.67E-07	9.69E-08	9.46E-08	8.57E-08	3.91E-08	3.86E-08	1.85E-09	4.47E-08	9.87E-09	1.28E-08	2.04E-08	3.59E-09	2.55E-09	9.58E-08	5.05E-08	2.14E-08	2.52E-08	9.91E-09	5.05E-08	2.14E-08
4676	481863.09	3860377	1.69E-04	1.65E-04	1.63E-04	5.86E-08	1.77E-07	1.02E-07	9.99E-08	9.06E-08	4.13E-08	4.08E-08	1.96E-09	4.73E-08	1.04E-08	1.36E-08	2.15E-08	3.79E-09	2.69E-09	1.01E-07	5.34E-08	2.27E-08	2.67E-08	1.05E-08	5.34E-08	2.27E-08
4677	482363.09	3860377	1.77E-04	1.72E-04	1.70E-04	6.12E-08	1.85E-07	1.07E-07	1.04E-07	9.46E-08	4.32E-08	4.26E-08	2.04E-09	4.93E-08	1.09E-08	1.42E-08	2.25E-08	3.96E-09	2.81E-09	1.06E-07	5.58E-08	2.37E-08	2.78E-08	1.09E-08	5.58E-08	2.37E-08
4678	482863.09	3860377	1.83E-04	1.79E-04	1.77E-04	6.35E-08	1.92E-07	1.11E-07	1.08E-07	9.81E-08	4.48E-08	4.42E-08	2.12E-09	5.12E-08	1.13E-08	1.47E-08	2.33E-08	4.11E-09	2.91E-09	1.10E-07	5.79E-08	2.46E-08	2.89E-08	1.13E-08	5.79E-08	2.46E-08
4679	483363.09	3860377	1.94E-04	1.89E-04	1.87E-04	6.71E-08	2.03E-07	1.17E-07	1.14E-07	1.04E-07	4.73E-08	4.67E-08	2.24E-09	5.41E-08	1.19E-08	1.55E-08	2.46E-08	4.34E-09	3.08E-09	1.16E-07	6.12E-08	2.59E-08	3.05E-08	1.20E-08	6.12E-08	2.59E-08
4680	483863.09	3860377	2.02E-04	1.98E-04	1.95E-04	7.01E-08	2.12E-07	1.23E-07	1.20E-07	1.08E-07	4.94E-08	4.88E-08	2.34E-09	5.65E-08	1.25E-08	1.62E-08	2.57E-08	4.54E-09	3.22E-09	1.21E-07	6.39E-08	2.71E-08	3.19E-08	1.25E-08	6.39E-08	2.71E-08
4681	484363.09	3860377	2.14E-04	2.09E-04	2.06E-04	7.41E-08	2.24E-07	1.30E-07	1.26E-07	1.15E-07	5.23E-08	5.16E-08	2.47E-09	5.98E-08	1.32E-08	1.72E-08	2.72E-08	4.80E-09	3.40E-09	1.28E-07	6.76E-08	2.87E-08	3.37E-08	1.32E-08	6.76E-08	2.87E-08
4682	484863.09	3860377	2.25E-04	2.19E-04	2.17E-04	7.78E-08	2.35E-07	1.36E-07	1.33E-07	1.20E-07	5.49E-08	5.42E-08	2.60E-09	6.28E-08	1.39E-08	1.80E-08	2.86E-08	5.04E-09	3.57E-09	1.34E-07	7.10E-08	3.01E-08	3.54E-08	1.39E-08	7.10E-08	3.01E-08
4683	485363.09	3860377	2.38E-04	2.32E-04	2.29E-04	8.23E-08	2.48E-07	1.44E-07	1.40E-07	1.27E-07	5.81E-08	5.73E-08	2.75E-09	6.64E-08	1.46E-08	1.91E-08	3.02E-08	5.33E-09	3.78E-09	1.42E-07	7.50E-08	3.18E-08	3.74E-08	1.47E-08	7.50E-08	3.18E-08
4684	485863.09	3860377	2.56E-04	2.50E-04	2.47E-04	8.88E-08	2.68E-07	1.55E-07	1.51E-07	1.37E-07	6.26E-08	6.18E-08	2.96E-09	7.16E-08	1.58E-08	2.06E-08	3.26E-08	5.75E-09	4.08E-09	1.53E-07	8.09E-08	3.43E-08	4.04E-08	1.59E-08	8.09E-08	3.43E-08
4685	486363.09	3860377	2.79E-04	2.72E-04	2.69E-04	9.67E-08	2.92E-07	1.69E-07	1.65E-07	1.49E-07	6.82E-08	6.73E-08	3.23E-09	7.80E-08	1.72E-08	2.24E-08	3.55E-08	6.26E-09	4.44E-09	1.67E-07	8.81E-08	3.74E-08	4.40E-08	1.73E-08	8.81E-08	3.74E-08
4686	486863.09	3860377	3.05E-04	2.98E-04	2.94E-04	1.06E-07	3.19E-07	1.85E-07	1.80E-07	1.63E-07	7.45E-08	7.35E-08	3.52E-09	8.51E-08	1.88E-08	2.44E-08	3.88E-08	6.83E-09	4.85E-09	1.82E-07	9.62E-08	4.08E-08	4.80E-08	1.89E-08	9.62E-08	4.08E-08
4687	487363.09	3860377	3.36E-04	3.28E-04	3.24E-04	1.16E-07	3.51E-07	2.03E-07	1.98E-07	1.80E-07	8.21E-08	8.10E-08	3.88E-09	9.38E-08	2.07E-08	2.69E-08	4.27E-08	7.53E-09	5.34E-09	2.01E-07	1.06E-07	4.50E-08	5.29E-08	2.08E-08	1.06E-07	4.50E-08
4688	487863.09	3860377	3.79E-04	3.70E-04	3.65E-04	1.31E-07	3.96E-07	2.29E-07	2.24E-07	2.03E-07	9.26E-08	9.14E-08	4.38E-09	1.06E-07	2.34E-08	3.04E-08	4.82E-08	8.50E-09	6.03E-09	2.27E-07	1.20E-07	5.08E-08	5.97E-08	2.35E-08	1.20E-07	5.08E-08
4689	488363.09	3860377	4.30E-04	4.19E-04	4.14E-04	1.49E-07	4.49E-07	2.60E-07	2.54E-07	2.30E-07	1.05E-07	1.04E-07	4.97E-09	1.20E-07	2.65E-08	3.45E-08	5.47E-08	9.63E-09	6.83E-09	2.57E-07	1.36E-07	5.76E-08	6.77E-08	2.66E-08	1.36E-07	5.76E-08
4690	488863.09	3860377	4.97E-04	4.85E-04	4.79E-04	1.72E-07	5.19E-07	3.01E-07	2.93E-07	2.66E-07	1.21E-07	1.20E-07	5.75E-09	1.39E-07	3.06E-08	3.98E-08	6.32E-08	1.11E-08	7.90E-09	2.97E-07	1.57E-07	6.66E-08	7.83E-08	3.08E-08	1.57E-07	6.66E-08
4691	489363.09	3860377	5.87E-04	5.73E-04	5.65E-04	2.03E-07	6.14E-07	3.55E-07	3.47E-07	3.14E-07	1.43E-07	1.41E-07	6.79E-09	1.64E-07	3.62E-08	4.71E-08	7.47E-08	1.32E-08	9.33E-09	3.51E-07	1.85E-07	7.86E-08	9.25E-08	3.63E-08	1.85E-07	7.86E-08
4692	489863.09	3860377	7.09E-04	6.92E-04	6.83E-04	2.45E-07	7.41E-07	4.29E-07	4.19E-07	3.79E-07	1.73E-07	1.71E-07	8.20E-09	1.98E-07	4.37E-08	5.68E-08	9.02E-08	1.59E-08	1.13E-08	4.24E-07	2.24E-07	9.49E-08	1.12E-07	4.39E-08	2.24E-07	9.49E-08
4693	490363.09	3860377	9.11E-04	8.89E-04	8.77E-04	3.15E-07	9.52E-07	5.51E-07	5.38E-07	4.88E-07	2.23E-07	2.20E-07	1.05E-08	2.54E-07	5.61E-08	7.30E-08	1.16E-07	2.04E-08	1.45E-08	5.45E-07	2.88E-07	1.22E-07	1.44E-07	5.64E-08	2.88E-07	1.22E-07
4694	490863.09	3860377	1.38E-03	1.35E-03	1.33E-03	4.78E-07	1.44E-06	8.36E-07	8.16E-07	7.39E-07	3.37E-07	3.33E-07	1.60E-08	3.86E-07	8.51E-08	1.11E-07	1.76E-07	3.10E-08	2.20E-08	8.26E-07	4.36E-07	1.85E-07	2.18E-07	8.55E-08	4.36E-07	1.85E-07
4695	491363.09	3860377	4.15E-03	4.05E-03	4.00E-03	1.44E-06	4.34E-06	2.51E-06	2.45E-06	2.22E-06	1.01E-06	1.00E-06	4.80E-08	1.16E-06	2.56E-07	3.33E-07	5.28E-07	9.30E-08	6.60E-08	2.48E-06	1.31E-06	5.56E-07	6.54E-07	2.57E-07	1.31E-06	5.56E-07
4696	491863.09	3860377	7.32E-03	7.14E-03	7.04E-03	2.53E-06	7.65E-06	4.43E-06	4.32E-06	3.92E-06	1.79E-06	1.76E-06	8.46E-08	2.04E-06	4.51E-07	5.86E-07	9.30E-07	1.64E-07	1.16E-07	4.37E-06	2.31E-06	9.80E-07	1.15E-06	4.53E-07	2.31E-06	9.80E-07
4697	492363.09	3860377	2.91E-03	2.84E-03	2.81E-03	1.01E-06	3.05E-06	1.76E-06	1.72E-06	1.56E-06	7.12E-07	7.02E-07	3.37E-08	8.14E-07	1.80E-07	2.34E-07	3.71E-07	6.53E-08	4.63E-08	1.74E-06	9.20E-07	3.90E-07	4.59E-07	1.80E-07	9.20E-07	3.90E-07
4698	492863.09	3860377	1.95E-03	1.90E-03	1.88E-03	6.74E-07	2.04E-06	1.18E-06	1.15E-06	1.04E-06	4.76E-07	4.69E-07	2.25E-08	5.44E-07	1.20E-07	1.56E-07	2.48E-07	4.37E-08	3.10E-08	1.16E-06	6.15E-07	2.61E-07	3.07E-07	1.21E-07	6.15E-07	2.61E-07
4699	493363.09	3860377	1.40E-03	1.37E-03	1.35E-03	4.86E-07	1.47E-06	8.50E-07	8.29E-07	7.52E-07	3.43E-07	3.38E-07	1.62E-08	3.92E-07	8.65E-08	1.13E-07	1.79E-07	3.15E-08	2.23E-08	8.40E-07	4.43E-07	1.88E-07	2.21E-07	8.69E-08	4.43E-07	1.88E-07
4700	493863.09	3860377	1.20E-03	1.17E-03	1.16E-03	4.16E-07	1.26E-06	7.28E-07	7.10E-07	6.44E-07	2.94E-07	2.90E-07	1.39E-08	3.36E-07	7.41E-08	9.64E-08	1.53E-07	2.70E-08	1.91E-08	7.20E-07	3.80E-07	1.61E-07	1.90E-07	7.45E-08	3.80E-07	1.61E-07
4701	494363.09	3860377	1.00E-03	9.80E-04	9.67E-04	3.48E-07	1.05E-06	6.08E-07	5.93E-07	5.38E-07	2.45E-07	2.42E-07	1.16E-08	2.80E-07	6.19E-08	8.05E-08	1.28E-07	2.25E-08	1.60E-08	6.01E-07	3.17E-07	1.35E-07	1.58E-07	6.22E-08	3.17E-07	1.35E-07
4702	494863.09	3860377	9.24E-04	9.01E-04	8.89E-04	3.20E-07	9.65E-07	5.59E-07	5.45E-07	4.94E-07	2.26E-07	2.23E-07	1.07E-08	2.58E-07	5.69E-08	7.40E-08	1.17E-07	2.07E-08	1.47E-08	5.52E-07	2.91E-07	1.24E-07	1.45E-07	5.72E-08	2.91E-07	1.24E-07
4703	495363.09	3860377	8.15E-04	7.96E-04	7.85E-04	2.82E-07	8.52E-07	4.93E-07	4.81E-07	4.36E-07	1.99E-07	1.96E-07	9.42E-09	2.28E-07	5.02E-08	6.54E-08	1.04E-07	1.83E-08	1.30E-08	4.88E-07	2.57E-07	1.09E-07	1.28E-07	5.05E-08	2.57E-07	1.09E-07
4704	495863.09	3860377	6.91E-04	6.74E-04	6.65E-04	2.39E-07	7.22E-07	4.18E-07	4.08E-07	3.70E-07	1.69E-07	1.66E-07	7.98E-09	1.93E-07	4.26E-08	5.54E-08	8.78E-08	1.55E-08	1.10E-08	4.13E-07	2.18E-07	9.25E-08	1.09E-07	4.28E-08	2.18E-07	9.25E-08
4705	496363.09	3860377	6.03E-04	5.88E-04	5.80E-04	2.09E-07	6.30E-07	3.65E-07	3.56E-07	3.23E-07	1.47E-07	1.45E-07	6.97E-09	1.68E-07	3.71E-08	4.83E-08	7.67E-08	1.35E-08	9.58E-09	3.61E-07	1.90E-07	8.07E-08	9.50E-08	3.73E-08	1.90E-07	8.07E-08
4706	496863.09	3860377	5.46E-04	5.33E-04	5.26E-04	1.89E-07	5.71E-07	3.30E-07	3.22E-07	2.92E-07	1.33E-07	1.32E-07	6.31E-09	1.52E-07	3.36E-08	4.38E-08	6.94E-08	1.22E-08	8.68E-09	3.27E-07	1.72E-07	7.31E-08	8.60E-08	3.38E-08	1.72E-07	7.31E-08
4707	497363.09	3860377	4.88E-04	4.76E-04	4.70E-04	1.69E-07	5.10E-07	2.95E-07	2.88E-07	2.61E-07	1.19E-07	1.18E-07	5.64E-09	1.36E-07	3.01E-08	3.91E-08	6.20E-08	1.09E-08	7.76E-09	2.92E-07	1.54E-07	6.53E-08	7.69E-08	3.02E-08	1.54E-07	6.53E-08
4708	497863.09	3860377	5.17E-04	5.04E-04	4.97E-04	1.79E-07	5.40E-07	3.13E-07	3.05E-07	2.76E-07	1.26E-07	1.24E-07	5.97E-09	1.44E-07	3.18E-08	4.14E-08	6.57E-08	1.16E-08	8.21E-09	3.09E-07	1.63E-07	6.92E-08	8.14E-08	3.20E-08	1.63E-07	6.92E-08
4709	498363.09	3860377	5.50E-04	5.36E-04	5.29E-04	1.90E-07	5.75E-07	3.33E-07	3.25E-07	2.94E-07	1.34E-07	1.32E-07	6.35E-09	1.53E-07	3.39E-08	4.41E-08	6.99E-08	1.23E-08	8.74E-09	3.29E-07	1.73E-07	7.36E-08	8.66E-08	3.40E-08	1.73E-07	7.36E-08
4710	471363.09	3860877	8.84E-05	8.62E-05	8.51E-05	3.06E-08	9.24E-08	5.35E-08	5.22E-08	4.73E-08	2.16E-08	2.13E-08	1.02E-09	2.47E-08	5.44E-09	7.08E-09	1.12E-08	1.98E-09	1.40E-09	5.28E-08	2.79E-08	1.18E-08	1.39E-08	5.47E-09	2.79E-08	1.18E-08
4711	471863.09	3860877	9.00E-05	8.79E-05	8.67E-05	3.12E-08	9.41E-08	5.45E-08	5.32E-08	4.82E-08	2.20E-08	2.17E-08	1.04E-09	2.51E-08	5.55E-09	7.22E-09	1.14E-08	2.02E-09	1.43E-09	5.38E-08	2.84E-08	1.21E-08	1.42E-08	5.57E-09	2.84E-08	1.21E-08
4712	472363.09	3860877	9.21E-05	8.99E-05	8.87E-05	3.19E-08	9.63E-08	5.57E-08	5.44E-08	4.93E-08	2.25E-08	2.22E-08	1.06E-09	2.57E-08	5.67E-09	7.38E-09	1.17E-08	2.06E-09	1.46E-09	5.51E-08	2.91E-08	1.23E-08	1.45E-08	5.70E-09	2.91E-08	1.23E-08
4713	472863.09	3860877	9.42E-05	9.19E-05	9.07E-05	3.26E-08	9.84E-08	5.70E-08	5.56E-08	5.04E-08	2.30E-08	2.27E-08	1.09E-09	2.63E-08	5.80E-09	7.55E-09	1.20E-08	2.11E-09	1.50E-09	5.63E-08	2.97E-08	1.26E-08	1.48E-08	5.83E-09	2.97E-08	1.26E-08
4714	473363.09	3860877	9.63E-05	9.39E-05	9.27E-05	3.33E-08	1.01E-07	5.82E-08	5.68E-08	5.15E-08	2.35E-08	2.32E-08	1.11E-09	2.69E-08	5.93E-09	7.72E-09	1.22E-08	2.16E-09	1.53E-09	5.76E-08	3.04E-08	1.29E-08	1.52E-08	5.96E-09	3.04E-08	1.29E-08
4715	473863.09	3860877	9.79E-05	9.55E-05	9.43E-05	3.39E-08	1.02E-07	5.92E-08	5.78E-08	5.24E-08	2.39E-08	2.36E-08	1.13E-09	2.73E-08	6.03E-09	7.85E-09	1.25E-08	2.19E-09	1.56E-09	5.86E-08	3.09E-08	1.31E-08	1.54E-08	6.06E-09	3.09E-08	1.31E-08
4716	474363.09	3860877	9.96E-05	9.72E-05	9.59E-05	3.45E-08	1.04E-07	6.02E-08	5.88E-08	5.33E-08	2.43E-08	2.40E-08	1.15E-09	2.78E-08	6.13E-09	7.98E-09	1.27E-08	2.23E-09	1.58E-09	5.95E-08	3.14E-08	1.33E-08	1.57E-08	6.16E-09	3.14E-08	1.33E-08
4717	474863.09	3860877	1.01E-04	9.88E-05	9.75E-05	3.50E-08	1.06E-07	6.13E-08	5.98E-08	5.42E-08	2.47E-08	2.44E-08	1.17E-09	2.83E-08	6.24E-09	8.12E-09	1.29E-08	2.27E-09	1.61E-09	6.05E-08	3.19E-08	1.36E-08	1.59E-08	6.26E-09	3.19E-08	1.36E-08
4718	475363.09	3860877	1.01E-04	9.84E-05	9.71E-05	3.49E-08	1.05E-07	6.10E-08	5.95E-08	5.40E-08	2.46E-08	2.43E-08	1.17E-09	2.81E-08	6.21E-09	8.08E-09	1.28E-08	2.26E-09	1.60E-09	6.03E-08	3.18E-08	1.35E-08	1.59E-08	6.24E-09	3.18E-08	1.35E-08
4719	475863.09	3860877	9.92E-05	9.68E-05	9.55E-05	3.43E-08	1.04E-07	6.00E-08	5.85E-08	5.31E-08	2.42E-08	2.39E-08	1.15E-09	2.77E-08	6.11E-09	7.95E-09	1.26E-08	2.22E-09	1.58E-09	5.93E-08	3.13E-08	1.33E-08	1.56E-08	6.14E-09	3.13E-08	1.33E-08
4720	476363.09	3860877	9.50E-05	9.27E-05	9.15E-05	3.29E-08	9.93E-08	5.75E-08	5.61E-08	5.09E-08	2.32E-08	2.29E-08	1.10E-09	2.65E-08	5.85E-09	7.62E-09	1.21E-08	2.13E-09	1.51E-09	5.68E-08	3.00E-08	1.27E-08	1.50E-08	5.88E-09	3.00E-08	1.27E-08
4721	476863.09	3860877	9.33E-05	9.11E-05	8.99E-05	3.23E-08	9.76E-08	5.65E-08	5.51E-08	5.00E-08	2.28E-08	2.25E-08	1.08E-09	2.61E-08	5.75E-09	7.48E-09	1.19E-08	2.09E-09	1.48E-09	5.58E-08	2.95E-08	1.25E-08	1.47E-08	5.78E-09	2.95E-08	1.25E-08
4722	477363.09	3860877	9.46E-05	9.23E-05	9.11E-05	3.27E-08	9.89E-08	5.72E-08	5.59E-08	5.06E-08	2.31E-08	2.28E-08	1.09E-09	2.64E-08	5.83E-09	7.58E-09	1.20E-08	2.12E-09	1.50E-09	5.66E-08	2.99E-08	1.27E-08	1.49E-08	5.85E-09	2.99E-08	1.27E-08
4723	477863.09	3860877	9.04E-05	8.83E-05	8.71E-05	3.13E-08	9.45E-08	5.47E-08	5.34E-08	4.84E-08	2.21E-08	2.18E-08	1.05E-09	2.53E-08	5.57E-09	7.25E-09	1.15E-08	2.03E-09	1.44E-09	5.41E-08	2.85E-08	1.21E-08	1.42E-08	5.60E-09	2.85E-08	1.21E-08
4724	478363.09	3860877	7.88E-05	7.69E-05	7.59E-05	2.73E-08	8.24E-08	4.77E-08	4.65E-08	4.22E-08	1.93E-08	1.90E-08	9.11E-10	2.20E-08	4.86E-09	6.32E-09	1.00E-08	1.77E-09	1.25E-09	4.71E-08	2.49E-08	1.06E-08	1.24E-08	4.88E-09	2.49E-08	1.06E-08
4725	478863.09	3860877	1.00E-04	9.80E-05	9.67E-05	3.48E-08	1.05E-07	6.07E-08	5.93E-08	5.37E-08	2.45E-08	2.42E-08	1.16E-09	2.80E-08	6.19E-09	8.05E-09	1.28E-08	2.25E-09	1.60E-09	6.00E-08	3.17E-08	1.34E-08	1.58E-08	6.21E-09	3.17E-08	1.34E-08
4726	479363.09	3860877	1.17E-04	1.14E-04	1.13E-04	4.05E-08	1.22E-07	7.08E-08	6.91E-08	6.26E-08	2.86E-08	2.82E-08	1.35E-09	3.27E-08	7.21E-09	9.38E-09	1.49E-08	2.62E-09	1.86E-09	7.00E-08	3.69E-08	1.57E-08	1.84E-08	7.24E-09	3.69E-08	1.57E-08
4727	479863.09	3860877	1.29E-04	1.26E-04	1.24E-04	4.47E-08	1.35E-07	7.81E-08	7.62E-08	6.91E-08	3.15E-08	3.11E-08	1.49E-09	3.60E-08	7.95E-09	1.03E-08	1.64E-08	2.89E-09	2.05E-09	7.72E-08	4.07E-08	1.73E-08	2.03E-08	7.99E-09	4.07E-08	1.73E-08
4728	480363.09	3860877	1.39E-04	1.35E-04	1.33E-04	4.80E-08	1.45E-07	8.38E-08	8.18E-08	7.42E-08	3.38E-08	3.34E-08	1.60E-09	3.87E-08	8.54E-09	1.11E-08	1.76E-08	3.11E-09	2.20E-09	8.29E-08	4.37E-08	1.86E-08	2.18E-08	8.58E-09	4.37E-08	1.86E-08
4729	480863.09	3860877	1.44E-04	1.41E-04	1.39E-04	5.00E-08	1.51E-07	8.74E-08	8.52E-08	7.73E-08	3.53E-08	3.48E-08	1.67E-09	4.03E-08	8.90E-09	1.16E-08	1.84E-08	3.24E-09	2.29E-09	8.63E-08	4.56E-08	1.93E-08	2.27E-08	8.94E-09	4.56E-08	1.93E-08

4730	481363.09	3860877	1.51E-04	1.47E-04	1.45E-04	5.23E-08	1.58E-07	9.14E-08	8.92E-08	8.08E-08	3.69E-08	3.64E-08	1.75E-09	4.22E-08	9.30E-09	1.21E-08	1.92E-08	3.38E-09	2.40E-09	9.03E-08	4.77E-08	2.02E-08	2.38E-08	9.35E-09	4.77E-08	2.02E-08
4731	481863.09	3860877	1.58E-04	1.54E-04	1.52E-04	5.46E-08	1.65E-07	9.54E-08	9.31E-08	8.44E-08	3.85E-08	3.80E-08	1.82E-09	4.40E-08	9.71E-09	1.26E-08	2.00E-08	3.53E-09	2.51E-09	9.43E-08	4.98E-08	2.11E-08	2.48E-08	9.76E-09	4.98E-08	2.11E-08
4732	482363.09	3860877	1.64E-04	1.60E-04	1.58E-04	5.69E-08	1.72E-07	9.94E-08	9.70E-08	8.79E-08	4.01E-08	3.96E-08	1.90E-09	4.59E-08	1.01E-08	1.32E-08	2.09E-08	3.68E-09	2.61E-09	9.83E-08	5.19E-08	2.20E-08	2.59E-08	1.02E-08	5.19E-08	2.20E-08
4733	482863.09	3860877	1.70E-04	1.66E-04	1.64E-04	5.89E-08	1.78E-07	1.03E-07	1.00E-07	9.10E-08	4.15E-08	4.10E-08	1.97E-09	4.75E-08	1.05E-08	1.36E-08	2.16E-08	3.81E-09	2.70E-09	1.02E-07	5.37E-08	2.28E-08	2.68E-08	1.05E-08	5.37E-08	2.28E-08
4734	483363.09	3860877	1.78E-04	1.74E-04	1.71E-04	6.16E-08	1.86E-07	1.08E-07	1.05E-07	9.53E-08	4.35E-08	4.29E-08	2.06E-09	4.97E-08	1.10E-08	1.43E-08	2.26E-08	3.99E-09	2.83E-09	1.06E-07	5.62E-08	2.38E-08	2.80E-08	1.10E-08	5.62E-08	2.38E-08
4735	483863.09	3860877	1.87E-04	1.82E-04	1.80E-04	6.46E-08	1.95E-07	1.13E-07	1.10E-07	9.99E-08	4.56E-08	4.50E-08	2.16E-09	5.21E-08	1.15E-08	1.50E-08	2.37E-08	4.18E-09	2.97E-09	1.12E-07	5.89E-08	2.50E-08	2.94E-08	1.16E-08	5.89E-08	2.50E-08
4736	484363.09	3860877	1.97E-04	1.92E-04	1.89E-04	6.81E-08	2.06E-07	1.19E-07	1.16E-07	1.05E-07	4.80E-08	4.74E-08	2.27E-09	5.49E-08	1.21E-08	1.58E-08	2.50E-08	4.41E-09	3.13E-09	1.18E-07	6.21E-08	2.63E-08	3.10E-08	1.22E-08	6.21E-08	2.63E-08
4737	484863.09	3860877	2.05E-04	2.00E-04	1.97E-04	7.09E-08	2.14E-07	1.24E-07	1.21E-07	1.10E-07	5.01E-08	4.94E-08	2.37E-09	5.72E-08	1.26E-08	1.64E-08	2.61E-08	4.59E-09	3.26E-09	1.23E-07	6.47E-08	2.74E-08	3.23E-08	1.27E-08	6.47E-08	2.74E-08
4738	485363.09	3860877	2.15E-04	2.10E-04	2.07E-04	7.45E-08	2.25E-07	1.30E-07	1.27E-07	1.15E-07	5.26E-08	5.19E-08	2.49E-09	6.01E-08	1.33E-08	1.73E-08	2.74E-08	4.83E-09	3.42E-09	1.29E-07	6.80E-08	2.88E-08	3.39E-08	1.33E-08	6.80E-08	2.88E-08
4739	485863.09	3860877	2.30E-04	2.24E-04	2.21E-04	7.96E-08	2.40E-07	1.39E-07	1.36E-07	1.23E-07	5.61E-08	5.54E-08	2.66E-09	6.42E-08	1.42E-08	1.84E-08	2.92E-08	5.15E-09	3.65E-09	1.37E-07	7.25E-08	3.08E-08	3.62E-08	1.42E-08	7.25E-08	3.08E-08
4740	486363.09	3860877	2.46E-04	2.40E-04	2.36E-04	8.50E-08	2.57E-07	1.49E-07	1.45E-07	1.31E-07	6.00E-08	5.92E-08	2.84E-09	6.86E-08	1.51E-08	1.97E-08	3.12E-08	5.50E-09	3.90E-09	1.47E-07	7.75E-08	3.29E-08	3.87E-08	1.52E-08	7.75E-08	3.29E-08
4741	486863.09	3860877	2.65E-04	2.58E-04	2.55E-04	9.16E-08	2.77E-07	1.60E-07	1.56E-07	1.42E-07	6.46E-08	6.38E-08	3.06E-09	7.39E-08	1.63E-08	2.12E-08	3.37E-08	5.93E-09	4.21E-09	1.58E-07	8.35E-08	3.54E-08	4.17E-08	1.64E-08	8.35E-08	3.54E-08
4742	487363.09	3860877	2.85E-04	2.78E-04	2.74E-04	9.85E-08	2.97E-07	1.72E-07	1.68E-07	1.52E-07	6.95E-08	6.86E-08	3.29E-09	7.95E-08	1.75E-08	2.28E-08	3.62E-08	6.38E-09	4.52E-09	1.70E-07	8.98E-08	3.81E-08	4.48E-08	1.76E-08	8.98E-08	3.81E-08
4743	487863.09	3860877	3.09E-04	3.02E-04	2.98E-04	1.07E-07	3.23E-07	1.87E-07	1.83E-07	1.66E-07	7.56E-08	7.46E-08	3.58E-09	8.64E-08	1.91E-08	2.48E-08	3.94E-08	6.94E-09	4.92E-09	1.85E-07	9.77E-08	4.14E-08	4.88E-08	1.92E-08	9.77E-08	4.14E-08
4744	488363.09	3860877	3.42E-04	3.34E-04	3.30E-04	1.18E-07	3.58E-07	2.07E-07	2.02E-07	1.83E-07	8.36E-08	8.25E-08	3.96E-09	9.56E-08	2.11E-08	2.74E-08	4.35E-08	7.67E-09	5.44E-09	2.05E-07	1.08E-07	4.58E-08	5.39E-08	2.12E-08	1.08E-07	4.58E-08
4745	488863.09	3860877	3.76E-04	3.67E-04	3.62E-04	1.30E-07	3.93E-07	2.27E-07	2.22E-07	2.01E-07	9.18E-08	9.06E-08	4.34E-09	1.05E-07	2.32E-08	3.01E-08	4.78E-08	8.42E-09	5.97E-09	2.25E-07	1.19E-07	5.03E-08	5.92E-08	2.33E-08	1.19E-07	5.03E-08
4746	489363.09	3860877	4.23E-04	4.13E-04	4.07E-04	1.46E-07	4.42E-07	2.56E-07	2.50E-07	2.26E-07	1.03E-07	1.02E-07	4.89E-09	1.18E-07	2.61E-08	3.39E-08	5.38E-08	9.48E-09	6.73E-09	2.53E-07	1.34E-07	5.67E-08	6.67E-08	2.62E-08	1.34E-07	5.67E-08
4747	489863.09	3860877	4.88E-04	4.76E-04	4.70E-04	1.69E-07	5.10E-07	2.95E-07	2.88E-07	2.61E-07	1.19E-07	1.18E-07	5.64E-09	1.36E-07	3.01E-08	3.91E-08	6.20E-08	1.09E-08	7.76E-09	2.92E-07	1.54E-07	6.53E-08	7.69E-08	3.02E-08	1.54E-07	6.53E-08
4748	490363.09	3860877	5.87E-04	5.73E-04	5.66E-04	2.03E-07	6.14E-07	3.55E-07	3.47E-07	3.14E-07	1.43E-07	1.42E-07	6.79E-09	1.64E-07	3.62E-08	4.71E-08	7.47E-08	1.32E-08	9.34E-09	3.51E-07	1.85E-07	7.87E-08	9.25E-08	3.64E-08	1.85E-07	7.87E-08
4749	490863.09	3860877	7.55E-04	7.37E-04	7.27E-04	2.62E-07	7.90E-07	4.57E-07	4.46E-07	4.04E-07	1.85E-07	1.82E-07	8.73E-09	2.11E-07	4.65E-08	6.06E-08	9.61E-08	1.69E-08	1.20E-08	4.52E-07	2.38E-07	1.01E-07	1.19E-07	4.68E-08	2.38E-07	1.01E-07
4750	491363.09	3860877	1.09E-03	1.06E-03	1.05E-03	3.77E-07	1.14E-06	6.59E-07	6.43E-07	5.83E-07	2.66E-07	2.62E-07	1.26E-08	3.04E-07	6.71E-08	8.73E-08	1.38E-07	2.44E-08	1.73E-08	6.51E-07	3.44E-07	1.46E-07	1.71E-07	6.74E-08	3.44E-07	1.46E-07
4751	491863.09	3860877	2.37E-03	2.31E-03	2.28E-03	8.20E-07	2.48E-06	1.43E-06	1.40E-06	1.27E-06	5.79E-07	5.71E-07	2.74E-08	6.61E-07	1.46E-07	1.90E-07	3.01E-07	5.31E-08	3.77E-08	1.42E-06	7.48E-07	3.17E-07	3.73E-07	1.47E-07	7.48E-07	3.17E-07
4752	492363.09	3860877	1.28E-02	1.25E-02	1.24E-02	4.44E-06	1.34E-05	7.76E-06	7.57E-06	6.87E-06	3.13E-06	3.09E-06	1.48E-07	3.58E-06	7.90E-07	1.03E-06	1.63E-06	2.88E-07	2.04E-07	7.67E-06	4.05E-06	1.72E-06	2.02E-06	7.94E-07	4.05E-06	1.72E-06
4753	492863.09	3860877	3.77E-03	3.67E-03	3.63E-03	1.30E-06	3.94E-06	2.28E-06	2.22E-06	2.02E-06	9.19E-07	9.07E-07	4.35E-08	1.05E-06	2.32E-07	3.02E-07	4.79E-07	8.44E-08	5.98E-08	2.25E-06	1.19E-06	5.04E-07	5.93E-07	2.33E-07	1.19E-06	5.04E-07
4754	493363.09	3860877	2.37E-03	2.32E-03	2.28E-03	8.21E-07	2.48E-06	1.44E-06	1.40E-06	1.27E-06	5.80E-07	5.72E-07	2.74E-08	6.63E-07	1.46E-07	1.90E-07	3.02E-07	5.32E-08	3.77E-08	1.42E-06	7.49E-07	3.18E-07	3.74E-07	1.47E-07	7.49E-07	3.18E-07
4755	493863.09	3860877	1.85E-03	1.81E-03	1.78E-03	6.41E-07	1.94E-06	1.12E-06	1.09E-06	9.91E-07	4.52E-07	4.46E-07	2.14E-08	5.17E-07	1.14E-07	1.48E-07	2.36E-07	4.15E-08	2.94E-08	1.11E-06	5.85E-07	2.48E-07	2.92E-07	1.15E-07	5.85E-07	2.48E-07
4756	494363.09	3860877	1.56E-03	1.52E-03	1.50E-03	5.39E-07	1.63E-06	9.42E-07	9.19E-07	8.33E-07	3.80E-07	3.75E-07	1.80E-08	4.35E-07	9.59E-08	1.25E-07	1.98E-07	3.49E-08	2.47E-08	9.31E-07	4.91E-07	2.09E-07	2.45E-07	9.64E-08	4.91E-07	2.09E-07
4757	494863.09	3860877	1.33E-03	1.30E-03	1.28E-03	4.61E-07	1.39E-06	8.07E-07	7.87E-07	7.13E-07	3.26E-07	3.21E-07	1.54E-08	3.72E-07	8.21E-08	1.07E-07	1.70E-07	2.99E-08	2.12E-08	7.97E-07	4.21E-07	1.79E-07	2.10E-07	8.25E-08	4.21E-07	1.79E-07
4758	495363.09	3860877	1.16E-03	1.14E-03	1.12E-03	4.03E-07	1.22E-06	7.04E-07	6.87E-07	6.23E-07	2.84E-07	2.81E-07	1.35E-08	3.25E-07	7.17E-08	9.33E-08	1.48E-07	2.61E-08	1.85E-08	6.96E-07	3.67E-07	1.56E-07	1.83E-07	7.20E-08	3.67E-07	1.56E-07
4759	495863.09	3860877	1.05E-03	1.03E-03	1.02E-03	3.65E-07	1.10E-06	6.38E-07	6.22E-07	5.64E-07	2.57E-07	2.54E-07	1.22E-08	2.94E-07	6.50E-08	8.45E-08	1.34E-07	2.36E-08	1.68E-08	6.30E-07	3.33E-07	1.41E-07	1.66E-07	6.52E-08	3.33E-07	1.41E-07
4760	496363.09	3860877	9.01E-04	8.79E-04	8.68E-04	3.12E-07	9.42E-07	5.45E-07	5.32E-07	4.82E-07	2.20E-07	2.17E-07	1.04E-08	2.52E-07	5.55E-08	7.22E-08	1.15E-07	2.02E-08	1.43E-08	5.39E-07	2.84E-07	1.21E-07	1.42E-07	5.58E-08	2.84E-07	1.21E-07
4761	496863.09	3860877	7.34E-04	7.17E-04	7.07E-04	2.54E-07	7.68E-07	4.44E-07	4.34E-07	3.93E-07	1.79E-07	1.77E-07	8.49E-09	2.05E-07	4.52E-08	5.89E-08	9.34E-08	1.65E-08	1.17E-08	4.39E-07	2.32E-07	9.83E-08	1.16E-07	4.54E-08	2.32E-07	9.83E-08
4762	497363.09	3860877	6.89E-04	6.72E-04	6.63E-04	2.38E-07	7.20E-07	4.17E-07	4.07E-07	3.69E-07	1.68E-07	1.66E-07	7.96E-09	1.92E-07	4.24E-08	5.52E-08	8.76E-08	1.54E-08	1.09E-08	4.12E-07	2.17E-07	9.22E-08	1.08E-07	4.26E-08	2.17E-07	9.22E-08
4763	497863.09	3860877	6.31E-04	6.16E-04	6.08E-04	2.18E-07	6.60E-07	3.82E-07	3.73E-07	3.38E-07	1.54E-07	1.52E-07	7.29E-09	1.76E-07	3.89E-08	5.06E-08	8.02E-08	1.41E-08	1.00E-08	3.77E-07	1.99E-07	8.45E-08	9.94E-08	3.91E-08	1.99E-07	8.45E-08
4764	498363.09	3860877	6.38E-04	6.22E-04	6.14E-04	2.21E-07	6.66E-07	3.86E-07	3.77E-07	3.41E-07	1.56E-07	1.54E-07	7.37E-09	1.78E-07	3.93E-08	5.11E-08	8.11E-08	1.43E-08	1.01E-08	3.81E-07	2.01E-07	8.54E-08	1.00E-07	3.95E-08	2.01E-07	8.54E-08
4765	471363.09	3861377	8.67E-05	8.46E-05	8.35E-05	3.00E-08	9.06E-08	5.25E-08	5.12E-08	4.64E-08	2.12E-08	2.09E-08	1.00E-09	2.42E-08	5.34E-09	6.95E-09	1.10E-08	1.94E-09	1.38E-09	5.19E-08	2.74E-08	1.16E-08	1.37E-08	5.37E-09	2.74E-08	1.16E-08
4766	471863.09	3861377	8.84E-05	8.62E-05	8.51E-05	3.06E-08	9.24E-08	5.35E-08	5.22E-08	4.73E-08	2.16E-08	2.13E-08	1.02E-09	2.47E-08	5.44E-09	7.08E-09	1.12E-08	1.98E-09	1.40E-09	5.28E-08	2.79E-08	1.18E-08	1.39E-08	5.47E-09	2.79E-08	1.18E-08
4767	472363.09	3861377	9.00E-05	8.79E-05	8.67E-05	3.12E-08	9.41E-08	5.45E-08	5.32E-08	4.82E-08	2.20E-08	2.17E-08	1.04E-09	2.51E-08	5.55E-09	7.22E-09	1.14E-08	2.02E-09	1.43E-09	5.38E-08	2.84E-08	1.21E-08	1.42E-08	5.57E-09	2.84E-08	1.21E-08
4768	472863.09	3861377	9.21E-05	8.99E-05	8.87E-05	3.19E-08	9.63E-08	5.57E-08	5.44E-08	4.93E-08	2.25E-08	2.22E-08	1.06E-09	2.57E-08	5.67E-09	7.38E-09	1.17E-08	2.06E-09	1.46E-09	5.51E-08	2.91E-08	1.23E-08	1.45E-08	5.70E-09	2.91E-08	1.23E-08
4769	473363.09	3861377	9.38E-05	9.15E-05	9.03E-05	3.25E-08	9.80E-08	5.67E-08	5.54E-08	5.02E-08	2.29E-08	2.26E-08	1.08E-09	2.62E-08	5.78E-09	7.52E-09	1.19E-08	2.10E-09	1.49E-09	5.61E-08	2.96E-08	1.26E-08	1.48E-08	5.80E-09	2.96E-08	1.26E-08
4770	473863.09	3861377	9.54E-05	9.31E-05	9.19E-05	3.30E-08	9.97E-08	5.77E-08	5.63E-08	5.11E-08	2.33E-08	2.30E-08	1.10E-09	2.66E-08	5.88E-09	7.65E-09	1.21E-08	2.14E-09	1.52E-09	5.71E-08	3.01E-08	1.28E-08	1.50E-08	5.91E-09	3.01E-08	1.28E-08
4771	474363.09	3861377	9.71E-05	9.47E-05	9.35E-05	3.36E-08	1.01E-07	5.87E-08	5.73E-08	5.20E-08	2.37E-08	2.34E-08	1.12E-09	2.71E-08	5.98E-09	7.78E-09	1.23E-08	2.18E-09	1.54E-09	5.81E-08	3.06E-08	1.30E-08	1.53E-08	6.01E-09	3.06E-08	1.30E-08
4772	474863.09	3861377	9.87E-05	9.64E-05	9.51E-05	3.42E-08	1.03E-07	5.97E-08	5.83E-08	5.28E-08	2.41E-08	2.38E-08	1.14E-09	2.76E-08	6.08E-09	7.92E-09	1.26E-08	2.21E-09	1.57E-09	5.91E-08	3.12E-08	1.32E-08	1.56E-08	6.11E-09	3.12E-08	1.32E-08
4773	475363.09	3861377	1.01E-04	9.84E-05	9.71E-05	3.49E-08	1.05E-07	6.10E-08	5.95E-08	5.40E-08	2.46E-08	2.43E-08	1.17E-09	2.81E-08	6.21E-09	8.08E-09	1.28E-08	2.26E-09	1.60E-09	6.03E-08	3.18E-08	1.35E-08	1.59E-08	6.24E-09	3.18E-08	1.35E-08
4774	475863.09	3861377	1.02E-04	9.96E-05	9.83E-05	3.53E-08	1.07E-07	6.18E-08	6.03E-08	5.46E-08	2.49E-08	2.46E-08	1.18E-09	2.85E-08	6.29E-09	8.18E-09	1.30E-08	2.29E-09	1.62E-09	6.10E-08	3.22E-08	1.37E-08	1.61E-08	6.32E-09	3.22E-08	1.37E-08
4775	476363.09	3861377	1.02E-04	9.92E-05	9.79E-05	3.52E-08	1.06E-07	6.15E-08	6.00E-08	5.44E-08	2.48E-08	2.45E-08	1.17E-09	2.84E-08	6.26E-09	8.15E-09	1.29E-08	2.28E-09	1.62E-09	6.08E-08	3.21E-08	1.36E-08	1.60E-08	6.29E-09	3.21E-08	1.36E-08
4776	476863.09	3861377	1.01E-04	9.88E-05	9.75E-05	3.50E-08	1.06E-07	6.13E-08	5.98E-08	5.42E-08	2.47E-08	2.44E-08	1.17E-09	2.83E-08	6.24E-09	8.12E-09	1.29E-08	2.27E-09	1.61E-09	6.05E-08	3.19E-08	1.36E-08	1.59E-08	6.26E-09	3.19E-08	1.36E-08
4777	477363.09	3861377	1.02E-04	9.92E-05	9.79E-05	3.52E-08	1.06E-07	6.15E-08	6.00E-08	5.44E-08	2.48E-08	2.45E-08	1.17E-09	2.84E-08	6.26E-09	8.15E-09	1.29E-08	2.28E-09	1.62E-09	6.08E-08	3.21E-08	1.36E-08	1.60E-08	6.29E-09	3.21E-08	1.36E-08
4778	477863.09	3861377	9.50E-05	9.27E-05	9.15E-05	3.29E-08	9.93E-08	5.75E-08	5.61E-08	5.09E-08	2.32E-08	2.29E-08	1.10E-09	2.65E-08	5.85E-09	7.62E-09	1.21E-08	2.13E-09	1.51E-09	5.68E-08	3.00E-08	1.27E-08	1.50E-08	5.88E-09	3.00E-08	1.27E-08
4779	478363.09	3861377	8.01E-05	7.81E-05	7.71E-05	2.77E-08	8.37E-08	4.84E-08	4.73E-08	4.29E-08	1.96E-08	1.93E-08	9.26E-10	2.24E-08	4.93E-09	6.42E-09	1.02E-08	1.79E-09	1.27E-09	4.79E-08	2.53E-08	1.07E-08	1.26E-08	4.96E-09	2.53E-08	1.07E-08
4780	478863.09	3861377	8.63E-05	8.42E-05	8.31E-05	2.99E-08	9.02E-08	5.22E-08	5.10E-08	4.62E-08	2.11E-08	2.08E-08	9.98E-10	2.41E-08	5.32E-09	6.92E-09	1.10E-08	1.93E-09	1.37E-09	5.16E-08	2.72E-08	1.16E-08	1.36E-08	5.34E-09	2.72E-08	1.16E-08
4781	479363.09	3861377	1.10E-04	1.07E-04	1.05E-04	3.79E-08	1.14E-07	6.63E-08	6.47E-08	5.86E-08	2.67E-08	2.64E-08	1.27E-09	3.06E-08	6.75E-09	8.78E-09	1.39E-08	2.45E-09	1.74E-09	6.55E-08	3.46E-08	1.47E-08	1.73E-08	6.78E-09	3.46E-08	1.47E-08
4782	479863.09	3861377	1.22E-04	1.19E-04	1.17E-04	4.22E-08	1.27E-07	7.38E-08	7.20E-08	6.53E-08	2.98E-08	2.94E-08	1.41E-09	3.41E-08	7.52E-09	9.78E-09	1.55E-08	2.73E-09	1.94E-09	7.29E-08	3.85E-08	1.63E-08	1.92E-08	7.55E-09	3.85E-08	1.63E-08
4783	480363.09	3861377	1.32E-04	1.28E-04	1.27E-04	4.55E-08	1.37E-07	7.96E-08	7.77E-08	7.04E-08	3.21E-08	3.17E-08	1.52E-09	3.67E-08	8.10E-09	1.05E-08	1.67E-08	2.95E-09	2.09E-09	7.87E-08	4.15E-08	1.76E-08	2.07E-08	8.14E-09	4.15E-08	1.76E-08
4784	480863.09	3861377	1.37E-04	1.34E-04	1.32E-04	4.75E-08	1.44E-07	8.31E-08	8.11E-08	7.35E-08	3.35E-08	3.31E-08	1.59E-09	3.83E-08	8.46E-09	1.10E-08	1.75E-08	3.08E-09	2.18E-09	8.21E-08	4.33E-08	1.84E-08	2.16E-08	8.50E-09	4.33E-08	1.84E-08
4785	481363.09	3861377	1.43E-04	1.39E-04	1.37E-04	4.94E-08	1.49E-07	8.64E-08	8.43E-08	7.64E-08	3.49E-08	3.44E-08	1.65E-09	3.98E-08	8.79E-09	1.14E-08	1.81E-08	3.20E-09	2.27E-09	8.54E-08	4.50E-08	1.91E-08	2.25E-08	8.83E-09	4.50E-08	1.91E-08
4786	481863.09	3861377	1.49E-04	1.45E-04	1.43E-04	5.14E-08	1.55E-07	8.99E-08	8.77E-08	7.95E-08	3.63E-08	3.58E-08	1.72E-09	4.15E-08	9.15E-09	1.19E-08	1.89E-08	3.33E-09	2.36E-09	8.88E-08	4.69E-08	1.99E-08	2.34E-08	9.19E-09	4.69E-08	1.99E-08
4787	482363.09	3861377	1.54E-04	1.50E-04	1.48E-04	5.33E-08	1.61E-07	9.31E-08	9.09E-08	8.24E-08	3.76E-08	3.71E-08	1.78E-09	4.30E-08	9.48E-09	1.23E-08	1.96E-08	3.45E-09	2.45E-09	9.20E-08	4.86E-08	2.06E-08	2.42E-08	9.53E-09	4.86E-08	2.06E-08
4788	482863.09	3861377	1.58E-04	1.55E-04	1.53E-04	5.49E-08	1.66E-07	9.59E-08	9.36E-08	8.48E-08	3.87E-08	3.82E-08	1.83E-09	4.43E-08	9.76E-09	1.27E-08	2.02E-08	3.55E-09	2.52E-09	9.48E-08	5.00E-08	2.12E-08	2.50E-08	9.81E-09	5.00E-08	2.12E-08
4789	483363.09	3861377	1.65E-04	1.61E-04	1.59E-04	5.70E-08	1.72E-07	9.97E-08	9.72E-08	8.82E-08	4.02E-08	3.97E-08	1.90E-09	4.60E-08	1.01E-08	1.32E-08	2.09E-08	3.69E-09	2.62E-09	9.85E-08	5.20E-08	2.21E-08	2.59E-08	1.02E-08	5.20E-08	2.21E-08
4790	483863.09	3861377	1.71E-04	1.67E-04	1.65E-04	5.93E-08	1.79E-07	1.04E-07	1.01E-07	9.17E-08	4.18E-08	4.13E-08	1.98E-09	4.78E-08	1.06E-08	1.37E-08	2.18E-08	3.84E-09	2.72E-09	1.02E-07	5.41E-08	2.29E-08	2.70E-08	1.06E-08	5.41E-08	2.29E-08
4791	484363.09	3861377	1.79E-04	1.74E-04	1.72E-04	6.19E-08	1.87E-07	1.08E-07	1.06E-07	9.57E-08	4.37E-08	4.31E-08	2.07E-09	4.99E-08	1.10E-08	1.43E-08	2.27E-08	4.01E-09	2.84E-09	1.07E-07	5.64E-08	2.39E-08	2.82E-08	1.11E-08	5.64E-08	2.39E-08
4792	484863.09	3861377	1.86E-04	1.82E-04	1.79E-04	6.45E-08	1.95E-07	1.13E-07	1.10E-07	9.97E-08	4.55E-08	4.49E-08	2.15E-09	5.20E-08	1.15E-08	1.49E-08	2.37E-08	4.18E-09	2.96E-09	1.11E-07	5.88E-08	2.49E-08	2.93E-08	1.15E-08	5.88E-08	2.49E-08
4793	485363.09	3861377	1.93E-04	1.88E-04	1.86E-04	6.68E-08	2.02E-07	1.17E-07	1.14E-07	1.03E-07	4.71E-08	4.65E-08	2.23E-09	5.39E-08	1.19E-08	1.55E-08	2.45E-08	4.32E-09	3.07E-09	1.15E-07	6.09E-08	2.58E-08	3.04E-08	1.19E-08	6.09E-08	2.58E-08
4794	485863.09	3861377	2.02E-04	1.98E-04	1.95E-04	7.01E-08	2.12E-07	1.23E-07	1.20E-07	1.08E-07	4.94E-08	4.88E-08	2.34E-09	5.65E-08	1.25E-08	1.62E-08	2.57E-08	4.54E-09	3.22E-09	1.21E-07	6.39E-08	2.71E-08	3.19E-08	1.25E-08	6.39E-08	2.71E-08
4795	486363.09	3861377	2.15E-04	2.10E-04	2.07E-04	7.44E-08	2.25E-07	1.30E-07	1.27E-07	1.15E-07	5.25E-08	5.18E-08	2.48E-09	6.00E-08	1.32E-08	1.72E-08	2.73E-08	4.82E-09	3.42E-09	1.29E-07	6.78E-08	2.88E-08	3.39E-08	1.33E-08	6.78E-08	2.88E-08
4796	486863.09	3861377	2.30E-04	2.24E-04	2.21E-04	7.96E-08	2.40E-07	1.39E-07	1.36E-07	1.23E-07	5.61E-08	5.54E-08	2.66E-09	6.42E-08	1.42E-08	1.84E-08	2.92E-08	5.15E-09	3.65E-09	1.37E-07	7.25E-08	3.08E-08	3.62E-08	1.42E-08	7.25E-08	3.08E-08
4797	487363.09	3861377	2.46E-04	2.40E-04	2.36E-04	8.50E-08	2.57E-07	1.49E-07	1.45E-07	1.31E-07	6.00E-08	5.92E-08	2.84E-09	6.86E-08	1.51E-08	1.97E-08	3.12E-08	5.50E-09	3.90E-09	1.47E-07	7.75E-08	3.29E-08	3.87E-08	1.52E-08	7.75E-08	3.29E-08
4798	487863.09	3861377	2.63E-04	2.57E-04	2.54E-04	9.12E-08	2.75E-07	1.59E-07	1.56E-07	1.41E-07	6.43E-08	6.35E-08	3.05E-09	7.36E-08	1.62E-08	2.11E-08	3.35E-08	5.90E-09	4.19E-09	1.58E-07	8.31E-08	3.53E-08	4.15E-08	1.63E-08	8.31E-08	3.53E-08
4799	488363.09	3861377	2.84E-04	2.77E-04	2.74E-04	9.84E-08	2.97E-07	1.72E-07	1.68E-07	1.52E-07	6.94E-08	6.85E-08	3.29E-09	7.94E-08	1.75E-08	2.28E-08	3.61E-08	6.37E-09	4.52E-09	1.70E-07	8.97E-08	3.81E-08	4.48E-08	1.76E-08	8.97E-08	3.81E-08
4800	488863.09	3861377	3.09E-04	3.02E-04	2.98E-04	1.07E-07	3.23E-07	1.87E-07	1.83E-07	1.66E-07	7.56E-08	7.46E-08	3.58E-09	8.64E-08	1.91E-08	2.48E-08	3.94E-08	6.94E-09	4.92E-09	1.85E-07	9.77E-08	4.14E-08	4.88E-08	1.92E-08	9.77E-08	4.14E-08
4801	489363.09	3861377	3.37E-04	3.29E-04	3.25E-04	1.17E-07	3.53E-07	2.04E-07	1.99E-07	1.81E-07	8.24E-08	8.13E-08	3.90E-09	9.42E-08	2.08E-08	2.70E-08	4.29E-08	7.56E-09	5.36E-09	2.02E-07	1.06E-07	4.52E-08	5.31E-08	2.09E-08	1.06E-07	4.52E-08
4802	489863.09	3861377	3.75E-04	3.66E-04	3.62E-04	1.30E-07	3.92E-07	2.27E-07	2.22E-07	2.01E-07	9.17E-08	9.05E-08	4.34E-09	1.05E-07	2.31E-08	3.01E-08	4.77E-08	8.42E-09	5.97E-09	2.25E-07	1.19E-07	5.03E-08	5.91E-08	2.32E-08	1.19E-07	5.03E-08
4803	490363.09	3861377	4.29E-04	4.19E-04	4.13E-04	1.48E-07	4.48E-07	2.60E-07	2.53E-07	2.30E-07	1.05E-07	1.03E-07	4.96E-09	1.20E-07	2.64E-08	3.44E-08	5.46E-08	9.61E-09	6.82E-09	2.57E-07	1.35E-07	5.74E-08	6.76E-08	2.65E-08	1.35E-07	5.74E-08

4804	490863.09	3861377	5.06E-04	4.94E-04	4.87E-04	1.75E-07	5.29E-07	3.06E-07	2.99E-07	2.71E-07	1.24E-07	1.22E-07	5.85E-09	1.41E-07	3.12E-08	4.05E-08	6.43E-08	1.13E-08	8.04E-09	3.02E-07	1.60E-07	6.77E-08	7.97E-08	3.13E-08	1.60E-07	6.77E-08
4805	491363.09	3861377	6.31E-04	6.15E-04	6.07E-04	2.18E-07	6.59E-07	3.82E-07	3.72E-07	3.38E-07	1.54E-07	1.52E-07	7.29E-09	1.76E-07	3.89E-08	5.06E-08	8.02E-08	1.41E-08	1.00E-08	3.77E-07	1.99E-07	8.44E-08	9.93E-08	3.90E-08	1.99E-07	8.44E-08
4806	491863.09	3861377	8.73E-04	8.52E-04	8.40E-04	3.02E-07	9.12E-07	5.28E-07	5.15E-07	4.67E-07	2.13E-07	2.10E-07	1.01E-08	2.44E-07	5.38E-08	7.00E-08	1.11E-07	1.96E-08	1.39E-08	5.22E-07	2.76E-07	1.17E-07	1.38E-07	5.40E-08	2.76E-07	1.17E-07
4807	492363.09	3861377	1.53E-03	1.50E-03	1.48E-03	5.31E-07	1.60E-06	9.28E-07	9.06E-07	8.21E-07	3.75E-07	3.70E-07	1.77E-08	4.28E-07	9.45E-08	1.23E-07	1.95E-07	3.44E-08	2.44E-08	9.17E-07	4.84E-07	2.05E-07	2.42E-07	9.49E-08	4.84E-07	2.05E-07
4808	492863.09	3861377	5.32E-03	5.20E-03	5.13E-03	1.84E-06	5.57E-06	3.22E-06	3.14E-06	2.85E-06	1.30E-06	1.28E-06	6.16E-08	1.49E-06	3.28E-07	4.27E-07	6.77E-07	1.19E-07	8.46E-08	3.18E-06	1.68E-06	7.13E-07	8.39E-07	3.30E-07	1.68E-06	7.13E-07
4809	493363.09	3861377	2.33E-02	2.28E-02	2.25E-02	8.07E-06	2.44E-05	1.41E-05	1.38E-05	1.25E-05	5.69E-06	5.62E-06	2.70E-07	6.51E-06	1.44E-06	1.87E-06	2.97E-06	5.23E-07	3.71E-07	1.39E-05	7.36E-06	3.12E-06	3.67E-06	1.44E-06	7.36E-06	3.12E-06
4810	493863.09	3861377	7.09E-03	6.92E-03	6.83E-03	2.46E-06	7.42E-06	4.29E-06	4.19E-06	3.80E-06	1.73E-06	1.71E-06	8.20E-08	1.98E-06	4.37E-07	5.69E-07	9.02E-07	1.59E-07	1.13E-07	4.24E-06	2.24E-06	9.50E-07	1.12E-06	4.39E-07	2.24E-06	9.50E-07
4811	494363.09	3861377	4.12E-03	4.02E-03	3.97E-03	1.43E-06	4.31E-06	2.49E-06	2.43E-06	2.21E-06	1.01E-06	9.93E-07	4.77E-08	1.15E-06	2.54E-07	3.30E-07	5.24E-07	9.24E-08	6.55E-08	2.47E-06	1.30E-06	5.52E-07	6.49E-07	2.55E-07	1.30E-06	5.52E-07
4812	494863.09	3861377	2.90E-03	2.83E-03	2.79E-03	1.00E-06	3.03E-06	1.75E-06	1.71E-06	1.55E-06	7.08E-07	6.99E-07	3.35E-08	8.10E-07	1.79E-07	2.32E-07	3.69E-07	6.50E-08	4.61E-08	1.73E-06	9.15E-07	3.88E-07	4.57E-07	1.79E-07	9.15E-07	3.88E-07
4813	495363.09	3861377	2.27E-03	2.21E-03	2.18E-03	7.85E-07	2.37E-06	1.37E-06	1.34E-06	1.21E-06	5.54E-07	5.46E-07	2.62E-08	6.33E-07	1.40E-07	1.82E-07	2.88E-07	5.08E-08	3.60E-08	1.36E-06	7.16E-07	3.04E-07	3.57E-07	1.40E-07	7.16E-07	3.04E-07
4814	495863.09	3861377	1.89E-03	1.84E-03	1.82E-03	6.54E-07	1.98E-06	1.14E-06	1.12E-06	1.01E-06	4.62E-07	4.56E-07	2.19E-08	5.28E-07	1.16E-07	1.52E-07	2.40E-07	4.24E-08	3.01E-08	1.13E-06	5.97E-07	2.53E-07	2.98E-07	1.17E-07	5.97E-07	2.53E-07
4815	496363.09	3861377	1.57E-03	1.53E-03	1.51E-03	5.42E-07	1.64E-06	9.48E-07	9.25E-07	8.38E-07	3.83E-07	3.78E-07	1.81E-08	4.37E-07	9.65E-08	1.26E-07	1.99E-07	3.51E-08	2.49E-08	9.37E-07	4.94E-07	2.10E-07	2.47E-07	9.70E-08	4.94E-07	2.10E-07
4816	496863.09	3861377	1.23E-03	1.20E-03	1.18E-03	4.24E-07	1.28E-06	7.42E-07	7.24E-07	6.56E-07	2.99E-07	2.95E-07	1.42E-08	3.42E-07	7.55E-08	9.82E-08	1.56E-07	2.75E-08	1.95E-08	7.33E-07	3.87E-07	1.64E-07	1.93E-07	7.58E-08	3.87E-07	1.64E-07
4817	497363.09	3861377	1.07E-03	1.05E-03	1.03E-03	3.72E-07	1.12E-06	6.50E-07	6.34E-07	5.75E-07	2.62E-07	2.59E-07	1.24E-08	3.00E-07	6.62E-08	8.61E-08	1.37E-07	2.41E-08	1.71E-08	6.42E-07	3.39E-07	1.44E-07	1.69E-07	6.64E-08	3.39E-07	1.44E-07
4818	497863.09	3861377	9.54E-04	9.31E-04	9.19E-04	3.30E-07	9.97E-07	5.77E-07	5.63E-07	5.11E-07	2.33E-07	2.30E-07	1.10E-08	2.66E-07	5.88E-08	7.65E-08	1.21E-07	2.14E-08	1.52E-08	5.71E-07	3.01E-07	1.28E-07	1.50E-07	5.91E-08	3.01E-07	1.28E-07
4819	498363.09	3861377	8.54E-04	8.33E-04	8.22E-04	2.96E-07	8.92E-07	5.17E-07	5.04E-07	4.57E-07	2.09E-07	2.06E-07	9.87E-09	2.38E-07	5.26E-08	6.84E-08	1.09E-07	1.91E-08	1.36E-08	5.11E-07	2.69E-07	1.14E-07	1.35E-07	5.28E-08	2.69E-07	1.14E-07
4820	471363.09	3861877	8.42E-05	8.22E-05	8.11E-05	2.92E-08	8.80E-08	5.10E-08	4.97E-08	4.51E-08	2.06E-08	2.03E-08	9.74E-10	2.35E-08	5.19E-09	6.75E-09	1.07E-08	1.89E-09	1.34E-09	5.04E-08	2.66E-08	1.13E-08	1.33E-08	5.21E-09	2.66E-08	1.13E-08
4821	471863.09	3861877	8.55E-05	8.34E-05	8.23E-05	2.96E-08	8.93E-08	5.17E-08	5.05E-08	4.57E-08	2.09E-08	2.06E-08	9.88E-10	2.39E-08	5.27E-09	6.85E-09	1.09E-08	1.92E-09	1.36E-09	5.11E-08	2.70E-08	1.14E-08	1.35E-08	5.29E-09	2.70E-08	1.14E-08
4822	472363.09	3861877	8.71E-05	8.50E-05	8.39E-05	3.02E-08	9.11E-08	5.27E-08	5.14E-08	4.66E-08	2.13E-08	2.10E-08	1.01E-09	2.43E-08	5.37E-09	6.98E-09	1.11E-08	1.95E-09	1.38E-09	5.21E-08	2.75E-08	1.17E-08	1.37E-08	5.39E-09	2.75E-08	1.17E-08
4823	472863.09	3861877	8.92E-05	8.70E-05	8.59E-05	3.09E-08	9.32E-08	5.40E-08	5.27E-08	4.77E-08	2.18E-08	2.15E-08	1.03E-09	2.49E-08	5.50E-09	7.15E-09	1.13E-08	2.00E-09	1.42E-09	5.33E-08	2.82E-08	1.19E-08	1.41E-08	5.52E-09	2.82E-08	1.19E-08
4824	473363.09	3861877	9.09E-05	8.87E-05	8.75E-05	3.15E-08	9.50E-08	5.50E-08	5.36E-08	4.86E-08	2.22E-08	2.19E-08	1.05E-09	2.54E-08	5.60E-09	7.28E-09	1.16E-08	2.04E-09	1.44E-09	5.43E-08	2.87E-08	1.22E-08	1.43E-08	5.62E-09	2.87E-08	1.22E-08
4825	473863.09	3861877	9.25E-05	9.03E-05	8.91E-05	3.20E-08	9.67E-08	5.60E-08	5.46E-08	4.95E-08	2.26E-08	2.23E-08	1.07E-09	2.58E-08	5.70E-09	7.42E-09	1.18E-08	2.07E-09	1.47E-09	5.53E-08	2.92E-08	1.24E-08	1.46E-08	5.73E-09	2.92E-08	1.24E-08
4826	474363.09	3861877	9.42E-05	9.19E-05	9.07E-05	3.26E-08	9.84E-08	5.70E-08	5.56E-08	5.04E-08	2.30E-08	2.27E-08	1.09E-09	2.63E-08	5.80E-09	7.55E-09	1.20E-08	2.11E-09	1.50E-09	5.63E-08	2.97E-08	1.26E-08	1.48E-08	5.83E-09	2.97E-08	1.26E-08
4827	474863.09	3861877	9.58E-05	9.35E-05	9.23E-05	3.32E-08	1.00E-07	5.80E-08	5.66E-08	5.13E-08	2.34E-08	2.31E-08	1.11E-09	2.68E-08	5.90E-09	7.68E-09	1.22E-08	2.15E-09	1.52E-09	5.73E-08	3.02E-08	1.28E-08	1.51E-08	5.93E-09	3.02E-08	1.28E-08
4828	475363.09	3861877	9.75E-05	9.51E-05	9.39E-05	3.37E-08	1.02E-07	5.90E-08	5.76E-08	5.22E-08	2.38E-08	2.35E-08	1.13E-09	2.72E-08	6.01E-09	7.82E-09	1.24E-08	2.19E-09	1.55E-09	5.83E-08	3.08E-08	1.31E-08	1.54E-08	6.03E-09	3.08E-08	1.31E-08
4829	475863.09	3861877	1.00E-04	9.76E-05	9.63E-05	3.46E-08	1.05E-07	6.05E-08	5.90E-08	5.35E-08	2.44E-08	2.41E-08	1.16E-09	2.79E-08	6.16E-09	8.02E-09	1.27E-08	2.24E-09	1.59E-09	5.98E-08	3.16E-08	1.34E-08	1.58E-08	6.19E-09	3.16E-08	1.34E-08
4830	476363.09	3861877	1.02E-04	9.92E-05	9.79E-05	3.52E-08	1.06E-07	6.15E-08	6.00E-08	5.44E-08	2.48E-08	2.45E-08	1.17E-09	2.84E-08	6.26E-09	8.15E-09	1.29E-08	2.28E-09	1.62E-09	6.08E-08	3.21E-08	1.36E-08	1.60E-08	6.29E-09	3.21E-08	1.36E-08
4831	476863.09	3861877	1.03E-04	1.00E-04	9.91E-05	3.56E-08	1.08E-07	6.23E-08	6.07E-08	5.51E-08	2.51E-08	2.48E-08	1.19E-09	2.87E-08	6.34E-09	8.25E-09	1.31E-08	2.31E-09	1.64E-09	6.15E-08	3.25E-08	1.38E-08	1.62E-08	6.37E-09	3.25E-08	1.38E-08
4832	477363.09	3861877	1.03E-04	1.00E-04	9.91E-05	3.56E-08	1.08E-07	6.23E-08	6.07E-08	5.51E-08	2.51E-08	2.48E-08	1.19E-09	2.87E-08	6.34E-09	8.25E-09	1.31E-08	2.31E-09	1.64E-09	6.15E-08	3.25E-08	1.38E-08	1.62E-08	6.37E-09	3.25E-08	1.38E-08
4833	477863.09	3861877	9.29E-05	9.07E-05	8.95E-05	3.22E-08	9.71E-08	5.62E-08	5.49E-08	4.97E-08	2.27E-08	2.24E-08	1.07E-09	2.59E-08	5.73E-09	7.45E-09	1.18E-08	2.08E-09	1.48E-09	5.56E-08	2.93E-08	1.24E-08	1.46E-08	5.75E-09	2.93E-08	1.24E-08
4834	478363.09	3861877	7.38E-05	7.21E-05	7.11E-05	2.56E-08	7.72E-08	4.47E-08	4.36E-08	3.95E-08	1.80E-08	1.78E-08	8.54E-10	2.06E-08	4.55E-09	5.92E-09	9.39E-09	1.66E-09	1.17E-09	4.42E-08	2.33E-08	9.89E-09	1.16E-08	4.57E-09	2.33E-08	9.89E-09
4835	478863.09	3861877	8.71E-05	8.50E-05	8.39E-05	3.02E-08	9.11E-08	5.27E-08	5.14E-08	4.66E-08	2.13E-08	2.10E-08	1.01E-09	2.43E-08	5.37E-09	6.98E-09	1.11E-08	1.95E-09	1.38E-09	5.21E-08	2.75E-08	1.17E-08	1.37E-08	5.39E-09	2.75E-08	1.17E-08
4836	479363.09	3861877	8.51E-05	8.30E-05	8.19E-05	2.94E-08	8.89E-08	5.15E-08	5.02E-08	4.55E-08	2.08E-08	2.05E-08	9.83E-10	2.37E-08	5.24E-09	6.82E-09	1.08E-08	1.91E-09	1.35E-09	5.09E-08	2.68E-08	1.14E-08	1.34E-08	5.26E-09	2.68E-08	1.14E-08
4837	479863.09	3861877	1.16E-04	1.13E-04	1.12E-04	4.02E-08	1.21E-07	7.03E-08	6.86E-08	6.22E-08	2.84E-08	2.80E-08	1.34E-09	3.24E-08	7.16E-09	9.31E-09	1.48E-08	2.60E-09	1.85E-09	6.95E-08	3.67E-08	1.56E-08	1.83E-08	7.19E-09	3.67E-08	1.56E-08
4838	480363.09	3861877	1.26E-04	1.23E-04	1.21E-04	4.35E-08	1.31E-07	7.61E-08	7.42E-08	6.73E-08	3.07E-08	3.03E-08	1.45E-09	3.51E-08	7.75E-09	1.01E-08	1.60E-08	2.82E-09	2.00E-09	7.52E-08	3.97E-08	1.68E-08	1.98E-08	7.78E-09	3.97E-08	1.68E-08
4839	480863.09	3861877	1.30E-04	1.27E-04	1.25E-04	4.51E-08	1.36E-07	7.88E-08	7.69E-08	6.97E-08	3.18E-08	3.14E-08	1.51E-09	3.64E-08	8.03E-09	1.04E-08	1.66E-08	2.92E-09	2.07E-09	7.79E-08	4.11E-08	1.74E-08	2.05E-08	8.06E-09	4.11E-08	1.74E-08
4840	481363.09	3861877	1.35E-04	1.32E-04	1.30E-04	4.67E-08	1.41E-07	8.16E-08	7.96E-08	7.22E-08	3.29E-08	3.25E-08	1.56E-09	3.76E-08	8.31E-09	1.08E-08	1.71E-08	3.02E-09	2.14E-09	8.06E-08	4.26E-08	1.81E-08	2.12E-08	8.34E-09	4.26E-08	1.81E-08
4841	481863.09	3861877	1.40E-04	1.37E-04	1.35E-04	4.85E-08	1.47E-07	8.48E-08	8.28E-08	7.51E-08	3.42E-08	3.38E-08	1.62E-09	3.92E-08	8.64E-09	1.12E-08	1.78E-08	3.14E-09	2.23E-09	8.39E-08	4.43E-08	1.88E-08	2.21E-08	8.68E-09	4.43E-08	1.88E-08
4842	482363.09	3861877	1.45E-04	1.41E-04	1.39E-04	5.01E-08	1.51E-07	8.76E-08	8.55E-08	7.75E-08	3.54E-08	3.49E-08	1.67E-09	4.04E-08	8.92E-09	1.16E-08	1.84E-08	3.25E-09	2.30E-09	8.66E-08	4.57E-08	1.94E-08	2.28E-08	8.96E-09	4.57E-08	1.94E-08
4843	482863.09	3861877	1.49E-04	1.45E-04	1.43E-04	5.14E-08	1.55E-07	8.99E-08	8.77E-08	7.95E-08	3.63E-08	3.58E-08	1.72E-09	4.15E-08	9.15E-09	1.19E-08	1.89E-08	3.33E-09	2.36E-09	8.88E-08	4.69E-08	1.99E-08	2.34E-08	9.19E-09	4.69E-08	1.99E-08
4844	483363.09	3861877	1.54E-04	1.50E-04	1.48E-04	5.33E-08	1.61E-07	9.31E-08	9.09E-08	8.24E-08	3.76E-08	3.71E-08	1.78E-09	4.30E-08	9.48E-09	1.23E-08	1.96E-08	3.45E-09	2.45E-09	9.20E-08	4.86E-08	2.06E-08	2.42E-08	9.53E-09	4.86E-08	2.06E-08
4845	483863.09	3861877	1.59E-04	1.55E-04	1.53E-04	5.50E-08	1.66E-07	9.61E-08	9.38E-08	8.50E-08	3.88E-08	3.83E-08	1.84E-09	4.44E-08	9.79E-09	1.27E-08	2.02E-08	3.56E-09	2.53E-09	9.50E-08	5.02E-08	2.13E-08	2.50E-08	9.83E-09	5.02E-08	2.13E-08
4846	484363.09	3861877	1.66E-04	1.62E-04	1.59E-04	5.73E-08	1.73E-07	1.00E-07	9.77E-08	8.86E-08	4.04E-08	3.99E-08	1.91E-09	4.62E-08	1.02E-08	1.33E-08	2.11E-08	3.71E-09	2.63E-09	9.90E-08	5.22E-08	2.22E-08	2.61E-08	1.02E-08	5.22E-08	2.22E-08
4847	484863.09	3861877	1.72E-04	1.68E-04	1.66E-04	5.96E-08	1.80E-07	1.04E-07	1.02E-07	9.22E-08	4.20E-08	4.15E-08	1.99E-09	4.81E-08	1.06E-08	1.38E-08	2.19E-08	3.86E-09	2.74E-09	1.03E-07	5.43E-08	2.31E-08	2.71E-08	1.07E-08	5.43E-08	2.31E-08
4848	485363.09	3861877	1.78E-04	1.73E-04	1.71E-04	6.15E-08	1.86E-07	1.07E-07	1.05E-07	9.50E-08	4.34E-08	4.28E-08	2.05E-09	4.96E-08	1.09E-08	1.42E-08	2.26E-08	3.98E-09	2.82E-09	1.06E-07	5.60E-08	2.38E-08	2.80E-08	1.10E-08	5.60E-08	2.38E-08
4849	485863.09	3861877	1.84E-04	1.79E-04	1.77E-04	6.36E-08	1.92E-07	1.11E-07	1.09E-07	9.84E-08	4.49E-08	4.43E-08	2.12E-09	5.13E-08	1.13E-08	1.47E-08	2.34E-08	4.12E-09	2.92E-09	1.10E-07	5.80E-08	2.46E-08	2.90E-08	1.14E-08	5.80E-08	2.46E-08
4850	486363.09	3861877	1.93E-04	1.89E-04	1.86E-04	6.69E-08	2.02E-07	1.17E-07	1.14E-07	1.03E-07	4.72E-08	4.66E-08	2.23E-09	5.40E-08	1.19E-08	1.55E-08	2.46E-08	4.33E-09	3.07E-09	1.16E-07	6.10E-08	2.59E-08	3.05E-08	1.20E-08	6.10E-08	2.59E-08
4851	486863.09	3861877	2.05E-04	2.00E-04	1.97E-04	7.09E-08	2.14E-07	1.24E-07	1.21E-07	1.10E-07	5.01E-08	4.94E-08	2.37E-09	5.72E-08	1.26E-08	1.64E-08	2.61E-08	4.59E-09	3.26E-09	1.23E-07	6.47E-08	2.74E-08	3.23E-08	1.27E-08	6.47E-08	2.74E-08
4852	487363.09	3861877	2.17E-04	2.12E-04	2.09E-04	7.53E-08	2.27E-07	1.32E-07	1.28E-07	1.16E-07	5.31E-08	5.24E-08	2.51E-09	6.07E-08	1.34E-08	1.74E-08	2.76E-08	4.87E-09	3.46E-09	1.30E-07	6.86E-08	2.91E-08	3.42E-08	1.35E-08	6.86E-08	2.91E-08
4853	487863.09	3861877	2.30E-04	2.25E-04	2.22E-04	7.97E-08	2.41E-07	1.39E-07	1.36E-07	1.23E-07	5.62E-08	5.55E-08	2.66E-09	6.43E-08	1.42E-08	1.85E-08	2.93E-08	5.16E-09	3.66E-09	1.38E-07	7.27E-08	3.08E-08	3.63E-08	1.43E-08	7.27E-08	3.08E-08
4854	488363.09	3861877	2.45E-04	2.39E-04	2.36E-04	8.49E-08	2.56E-07	1.48E-07	1.45E-07	1.31E-07	5.99E-08	5.91E-08	2.83E-09	6.85E-08	1.51E-08	1.97E-08	3.12E-08	5.50E-09	3.90E-09	1.47E-07	7.74E-08	3.28E-08	3.86E-08	1.52E-08	7.74E-08	3.28E-08
4855	488863.09	3861877	2.64E-04	2.57E-04	2.54E-04	9.13E-08	2.76E-07	1.60E-07	1.56E-07	1.41E-07	6.44E-08	6.36E-08	3.05E-09	7.37E-08	1.63E-08	2.12E-08	3.36E-08	5.91E-09	4.19E-09	1.58E-07	8.33E-08	3.53E-08	4.16E-08	1.63E-08	8.33E-08	3.53E-08
4856	489363.09	3861877	2.84E-04	2.77E-04	2.74E-04	9.84E-08	2.97E-07	1.72E-07	1.68E-07	1.52E-07	6.94E-08	6.85E-08	3.29E-09	7.94E-08	1.75E-08	2.28E-08	3.61E-08	6.37E-09	4.52E-09	1.70E-07	8.97E-08	3.81E-08	4.48E-08	1.76E-08	8.97E-08	3.81E-08
4857	489863.09	3861877	3.09E-04	3.02E-04	2.98E-04	1.07E-07	3.23E-07	1.87E-07	1.83E-07	1.66E-07	7.56E-08	7.46E-08	3.58E-09	8.64E-08	1.91E-08	2.48E-08	3.94E-08	6.94E-09	4.92E-09	1.85E-07	9.77E-08	4.14E-08	4.88E-08	1.92E-08	9.77E-08	4.14E-08
4858	490363.09	3861877	3.42E-04	3.34E-04	3.30E-04	1.18E-07	3.58E-07	2.07E-07	2.02E-07	1.83E-07	8.36E-08	8.25E-08	3.96E-09	9.56E-08	2.11E-08	2.74E-08	4.35E-08	7.67E-09	5.44E-09	2.05E-07	1.08E-07	4.58E-08	5.39E-08	2.12E-08	1.08E-07	4.58E-08
4859	490863.09	3861877	3.87E-04	3.77E-04	3.72E-04	1.34E-07	4.04E-07	2.34E-07	2.28E-07	2.07E-07	9.44E-08	9.32E-08	4.47E-09	1.08E-07	2.38E-08	3.10E-08	4.92E-08	8.67E-09	6.15E-09	2.31E-07	1.22E-07	5.18E-08	6.09E-08	2.39E-08	1.22E-07	5.18E-08
4860	491363.09	3861877	4.47E-04	4.36E-04	4.30E-04	1.55E-07	4.67E-07	2.70E-07	2.64E-07	2.39E-07	1.09E-07	1.08E-07	5.17E-09	1.25E-07	2.75E-08	3.58E-08	5.68E-08	1.00E-08	7.10E-09	2.67E-07	1.41E-07	5.98E-08	7.04E-08	2.77E-08	1.41E-07	5.98E-08
4861	491863.09	3861877	5.34E-04	5.21E-04	5.14E-04	1.85E-07	5.58E-07	3.23E-07	3.15E-07	2.86E-07	1.30E-07	1.29E-07	6.17E-09	1.49E-07	3.29E-08	4.28E-08	6.78E-08	1.20E-08	8.48E-09	3.19E-07	1.68E-07	7.14E-08	8.40E-08	3.30E-08	1.68E-07	7.14E-08
4862	492363.09	3861877	6.63E-04	6.47E-04	6.38E-04	2.29E-07	6.93E-07	4.01E-07	3.91E-07	3.55E-07	1.62E-07	1.60E-07	7.66E-09	1.85E-07	4.08E-08	5.31E-08	8.43E-08	1.49E-08	1.05E-08	3.96E-07	2.09E-07	8.88E-08	1.04E-07	4.10E-08	2.09E-07	8.88E-08
4863	492863.09	3861877	8.58E-04	8.37E-04	8.26E-04	2.97E-07	8.96E-07	5.19E-07	5.06E-07	4.59E-07	2.09E-07	2.07E-07	9.91E-09	2.39E-07	5.28E-08	6.87E-08	1.09E-07	1.92E-08	1.36E-08	5.13E-07	2.71E-07	1.15E-07	1.35E-07	5.31E-08	2.71E-07	1.15E-07
4864	493363.09	3861877	1.16E-03	1.13E-03	1.12E-03	4.02E-07	1.21E-06	7.02E-07	6.85E-07	6.21E-07	2.83E-07	2.80E-07	1.34E-08	3.24E-07	7.15E-08	9.30E-08	1.48E-07	2.60E-08	1.84E-08	6.94E-07	3.66E-07	1.55E-07	1.83E-07	7.18E-08	3.66E-07	1.55E-07
4865	493863.09	3861877	1.72E-03	1.68E-03	1.65E-03	5.94E-07	1.79E-06	1.04E-06	1.01E-06	9.19E-07	4.19E-07	4.14E-07	1.98E-08	4.79E-07	1.06E-07	1.38E-07	2.18E-07	3.85E-08	2.73E-08	1.03E-06	5.42E-07	2.30E-07	2.71E-07	1.06E-07	5.42E-07	2.30E-07
4866	494363.09	3861877	3.10E-03	3.02E-03	2.98E-03	1.07E-06	3.24E-06	1.87E-06	1.83E-06	1.66E-06	7.57E-07	7.47E-07	3.58E-08	8.65E-07	1.91E-07	2.48E-07	3.94E-07	6.94E-08	4.92E-08	1.85E-06	9.78E-07	4.15E-07	4.88E-07	1.92E-07	9.78E-07	4.15E-07
4867	494863.09	3861877	1.28E-02	1.25E-02	1.23E-02	4.44E-06	1.34E-05	7.76E-06	7.57E-06	6.86E-06	3.13E-06	3.09E-06	1.48E-07	3.58E-06	7.90E-07	1.03E-06	1.63E-06	2.87E-07	2.04E-07	7.67E-06	4.05E-06	1.72E-06	2.02E-06	7.94E-07	4.05E-06	1.72E-06
4868	495363.09	3861877	1.46E-02	1.43E-02	1.41E-02	5.07E-06	1.53E-05	8.86E-06	8.64E-06	7.84E-06	3.58E-06	3.53E-06	1.69E-07	4.09E-06	9.02E-07	1.17E-06	1.86E-06	3.28E-07	2.33E-07	8.76E-06	4.62E-06	1.96E-06	2.31E-06	9.06E-07	4.62E-06	1.96E-06
4869	495863.09	3861877	6.05E-03	5.90E-03	5.82E-03	2.09E-06	6.32E-06	3.66E-06	3.57E-06	3.24E-06	1.48E-06	1.46E-06	6.99E-08	1.69E-06	3.73E-07	4.85E-07	7.69E-07	1.36E-07	9.61E-08	3.62E-06	1.91E-06	8.10E-07	9.53E-07	3.74E-07	1.91E-06	8.10E-07
4870	496363.09	3861877	3.80E-03	3.71E-03	3.66E-03	1.32E-06	3.98E-06	2.30E-06	2.25E-06	2.04E-06	9.29E-07	9.17E-07	4.40E-08	1.06E-06	2.34E-07	3.05E-07	4.84E-07	8.52E-08	6.05E-08	2.27E-06	1.20E-06	5.09E-07	5.99E-07	2.35E-07	1.20E-06	5.09E-07
4871	496863.09	3861877	1.97E-03	1.92E-03	1.90E-03	6.82E-07	2.06E-06	1.19E-06	1.16E-06	1.05E-06	4.81E-07	4.75E-07	2.28E-08	5.50E-07	1.21E-07	1.58E-07	2.51E-07	4.42E-08	3.13E-08	1.18E-06	6.22E-07	2.64E-07	3.11E-07	1.22E-07	6.22E-07	2.64E-07
4872	497363.09	3861877	2.07E-03	2.02E-03	1.99E-03	7.16E-07	2.16E-06	1.25E-06	1.22E-06	1.11E-06	5.05E-07	4.99E-07	2.39E-08	5.78E-07	1.28E-07	1.66E-07	2.63E-07	4.64E-08	3.29E-08	1.24E-06	6.53E-07	2.77E-07	3.26E-07	1.28E-07	6.53E-07	2.77E-07
4873	497863.09	3861877	1.85E-03	1.80E-03	1.78E-03	6.39E-07	1.93E-06	1.12E-06	1.09E-06	9.88E-07	4.51E-07	4.45E-07	2.13E-08	5.15E-07	1.14E-07	1.48E-07	2.35E-07	4.14E-08	2.93E-08	1.10E-06	5.82E-07	2.47E-07	2.91E-07	1.14E-07	5.82E-07	2.47E-07
4874	498363.09	3861877	1.60E-03	1.57E-03	1.55E-03	5.56E-07	1.68E-06	9.71E-07	9.47E-07	8.59E-07	3.92E-07	3.87E-07	1.85E-08	4.48E-07	9.89E-08	1.29E-07	2.04E-07	3.60E-08	2.55E-08	9.60E-07	5.06E-07	2.15E-07	2.53E-07	9.93E-08	5.06E-07	2.15E-07
4875	471363.09	3862377	8.21E-05	8.02E-05	7.91E-05	2.84E-08	8.59E-08	4.97E-08	4.85E-08	4.40E-08	2.01E-08	1.98E-08	9.50E-10	2.29E-08	5.06E-09	6.59E-09	1.04E-08	1.84E-09	1.31E-09	4.91E-08	2.59E-08	1.10E-08	1.29E-08	5.08E-09	2.59E-08	1.10E-08
4876	471863.09	3862377	8.34E-05	8.14E-05	8.03E-05	2.89E-08	8.72E-08	5.05E-08	4.92E-08	4.46E-08	2.04E-08	2.01E-08	9.64E-10	2.33E-08	5.14E-09	6.68E-09	1.06E-08	1.87E-09	1.33E-09	4.99E-08	2.63E-08	1.12E-08	1.31E-08	5.16E-09	2.63E-08	1.12E-08
4877	472363.09	3862377	8.51E-05	8.30E-05	8.19E-05	2.94E-08	8.89E-08	5.15E-08	5.02E-08	4.55E-08	2.08E-08	2.05E-08	9.83E-10	2.37E-08	5.24E-09	6.82E-09	1.08E-08	1.91E-09	1.35E-09	5.09E-08	2.68E-08	1.14E-08	1.34E-08	5.26E-09	2.68E-08	1.14E-08

4878	472863.09	3862377	8.67E-05	8.46E-05	8.35E-05	3.00E-08	9.06E-08	5.25E-08	5.12E-08	4.64E-08	2.12E-08	2.09E-08	1.00E-09	2.42E-08	5.34E-09	6.95E-09	1.10E-08	1.94E-09	1.38E-09	5.19E-08	2.74E-08	1.16E-08	1.37E-08	5.37E-09	2.74E-08	1.16E-08
4879	473363.09	3862377	8.84E-05	8.62E-05	8.51E-05	3.06E-08	9.24E-08	5.35E-08	5.22E-08	4.73E-08	2.16E-08	2.13E-08	1.02E-09	2.47E-08	5.44E-09	7.08E-09	1.12E-08	1.98E-09	1.40E-09	5.28E-08	2.79E-08	1.18E-08	1.39E-08	5.47E-09	2.79E-08	1.18E-08
4880	473863.09	3862377	8.96E-05	8.74E-05	8.63E-05	3.10E-08	9.37E-08	5.42E-08	5.29E-08	4.80E-08	2.19E-08	2.16E-08	1.04E-09	2.50E-08	5.52E-09	7.18E-09	1.14E-08	2.01E-09	1.42E-09	5.36E-08	2.83E-08	1.20E-08	1.41E-08	5.55E-09	2.83E-08	1.20E-08
4881	474363.09	3862377	9.09E-05	8.87E-05	8.75E-05	3.15E-08	9.50E-08	5.50E-08	5.36E-08	4.86E-08	2.22E-08	2.19E-08	1.05E-09	2.54E-08	5.60E-09	7.28E-09	1.16E-08	2.04E-09	1.44E-09	5.43E-08	2.87E-08	1.22E-08	1.43E-08	5.62E-09	2.87E-08	1.22E-08
4882	474863.09	3862377	9.25E-05	9.03E-05	8.91E-05	3.20E-08	9.67E-08	5.60E-08	5.46E-08	4.95E-08	2.26E-08	2.23E-08	1.07E-09	2.58E-08	5.70E-09	7.42E-09	1.18E-08	2.07E-09	1.47E-09	5.53E-08	2.92E-08	1.24E-08	1.46E-08	5.73E-09	2.92E-08	1.24E-08
4883	475363.09	3862377	9.50E-05	9.27E-05	9.15E-05	3.29E-08	9.93E-08	5.75E-08	5.61E-08	5.09E-08	2.32E-08	2.29E-08	1.10E-09	2.65E-08	5.85E-09	7.62E-09	1.21E-08	2.13E-09	1.51E-09	5.68E-08	3.00E-08	1.27E-08	1.50E-08	5.88E-09	3.00E-08	1.27E-08
4884	475863.09	3862377	9.71E-05	9.47E-05	9.35E-05	3.36E-08	1.01E-07	5.87E-08	5.73E-08	5.20E-08	2.37E-08	2.34E-08	1.12E-09	2.71E-08	5.98E-09	7.78E-09	1.23E-08	2.18E-09	1.54E-09	5.81E-08	3.06E-08	1.30E-08	1.53E-08	6.01E-09	3.06E-08	1.30E-08
4885	476363.09	3862377	9.92E-05	9.68E-05	9.55E-05	3.43E-08	1.04E-07	6.00E-08	5.85E-08	5.31E-08	2.42E-08	2.39E-08	1.15E-09	2.77E-08	6.11E-09	7.95E-09	1.26E-08	2.22E-09	1.58E-09	5.93E-08	3.13E-08	1.33E-08	1.56E-08	6.14E-09	3.13E-08	1.33E-08
4886	476863.09	3862377	1.01E-04	9.84E-05	9.71E-05	3.49E-08	1.05E-07	6.10E-08	5.95E-08	5.40E-08	2.46E-08	2.43E-08	1.17E-09	2.81E-08	6.21E-09	8.08E-09	1.28E-08	2.26E-09	1.60E-09	6.03E-08	3.18E-08	1.35E-08	1.59E-08	6.24E-09	3.18E-08	1.35E-08
4887	477363.09	3862377	1.02E-04	9.92E-05	9.79E-05	3.52E-08	1.06E-07	6.15E-08	6.00E-08	5.44E-08	2.48E-08	2.45E-08	1.17E-09	2.84E-08	6.26E-09	8.15E-09	1.29E-08	2.28E-09	1.62E-09	6.08E-08	3.21E-08	1.36E-08	1.60E-08	6.29E-09	3.21E-08	1.36E-08
4888	477863.09	3862377	9.46E-05	9.23E-05	9.11E-05	3.27E-08	9.89E-08	5.72E-08	5.59E-08	5.06E-08	2.31E-08	2.28E-08	1.09E-09	2.64E-08	5.83E-09	7.58E-09	1.20E-08	2.12E-09	1.50E-09	5.66E-08	2.99E-08	1.27E-08	1.49E-08	5.85E-09	2.99E-08	1.27E-08
4889	478363.09	3862377	8.67E-05	8.46E-05	8.35E-05	3.00E-08	9.06E-08	5.25E-08	5.12E-08	4.64E-08	2.12E-08	2.09E-08	1.00E-09	2.42E-08	5.34E-09	6.95E-09	1.10E-08	1.94E-09	1.38E-09	5.19E-08	2.74E-08	1.16E-08	1.37E-08	5.37E-09	2.74E-08	1.16E-08
4890	478863.09	3862377	8.84E-05	8.62E-05	8.51E-05	3.06E-08	9.24E-08	5.35E-08	5.22E-08	4.73E-08	2.16E-08	2.13E-08	1.02E-09	2.47E-08	5.44E-09	7.08E-09	1.12E-08	1.98E-09	1.40E-09	5.28E-08	2.79E-08	1.18E-08	1.39E-08	5.47E-09	2.79E-08	1.18E-08
4891	479363.09	3862377	9.54E-05	9.31E-05	9.19E-05	3.30E-08	9.97E-08	5.77E-08	5.63E-08	5.11E-08	2.33E-08	2.30E-08	1.10E-09	2.66E-08	5.88E-09	7.65E-09	1.21E-08	2.14E-09	1.52E-09	5.71E-08	3.01E-08	1.28E-08	1.50E-08	5.91E-09	3.01E-08	1.28E-08
4892	479863.09	3862377	1.12E-04	1.10E-04	1.08E-04	3.89E-08	1.18E-07	6.80E-08	6.64E-08	6.02E-08	2.75E-08	2.71E-08	1.30E-09	3.14E-08	6.93E-09	9.01E-09	1.43E-08	2.52E-09	1.79E-09	6.72E-08	3.55E-08	1.51E-08	1.77E-08	6.96E-09	3.55E-08	1.51E-08
4893	480363.09	3862377	1.20E-04	1.17E-04	1.15E-04	4.15E-08	1.25E-07	7.25E-08	7.08E-08	6.42E-08	2.93E-08	2.89E-08	1.39E-09	3.35E-08	7.39E-09	9.61E-09	1.52E-08	2.69E-09	1.91E-09	7.17E-08	3.78E-08	1.61E-08	1.89E-08	7.42E-09	3.78E-08	1.61E-08
4894	480863.09	3862377	1.24E-04	1.21E-04	1.19E-04	4.28E-08	1.29E-07	7.48E-08	7.30E-08	6.62E-08	3.02E-08	2.98E-08	1.43E-09	3.45E-08	7.62E-09	9.91E-09	1.57E-08	2.77E-09	1.97E-09	7.39E-08	3.90E-08	1.66E-08	1.95E-08	7.65E-09	3.90E-08	1.66E-08
4895	481363.09	3862377	1.28E-04	1.25E-04	1.23E-04	4.42E-08	1.34E-07	7.73E-08	7.54E-08	6.84E-08	3.12E-08	3.08E-08	1.48E-09	3.57E-08	7.87E-09	1.02E-08	1.63E-08	2.86E-09	2.03E-09	7.64E-08	4.03E-08	1.71E-08	2.01E-08	7.91E-09	4.03E-08	1.71E-08
4896	481863.09	3862377	1.33E-04	1.30E-04	1.28E-04	4.60E-08	1.39E-07	8.03E-08	7.84E-08	7.11E-08	3.24E-08	3.20E-08	1.53E-09	3.71E-08	8.18E-09	1.06E-08	1.69E-08	2.98E-09	2.11E-09	7.94E-08	4.19E-08	1.78E-08	2.09E-08	8.22E-09	4.19E-08	1.78E-08
4897	482363.09	3862377	1.37E-04	1.34E-04	1.32E-04	4.74E-08	1.43E-07	8.28E-08	8.08E-08	7.33E-08	3.34E-08	3.30E-08	1.58E-09	3.82E-08	8.44E-09	1.10E-08	1.74E-08	3.07E-09	2.18E-09	8.19E-08	4.32E-08	1.83E-08	2.16E-08	8.47E-09	4.32E-08	1.83E-08
4898	482863.09	3862377	1.40E-04	1.37E-04	1.35E-04	4.85E-08	1.47E-07	8.48E-08	8.28E-08	7.51E-08	3.42E-08	3.38E-08	1.62E-09	3.92E-08	8.64E-09	1.12E-08	1.78E-08	3.14E-09	2.23E-09	8.39E-08	4.43E-08	1.88E-08	2.21E-08	8.68E-09	4.43E-08	1.88E-08
4899	483363.09	3862377	1.44E-04	1.41E-04	1.39E-04	5.00E-08	1.51E-07	8.74E-08	8.52E-08	7.73E-08	3.53E-08	3.48E-08	1.67E-09	4.03E-08	8.90E-09	1.16E-08	1.84E-08	3.24E-09	2.29E-09	8.63E-08	4.56E-08	1.93E-08	2.27E-08	8.94E-09	4.56E-08	1.93E-08
4900	483863.09	3862377	1.49E-04	1.45E-04	1.43E-04	5.16E-08	1.56E-07	9.01E-08	8.79E-08	7.97E-08	3.64E-08	3.59E-08	1.72E-09	4.16E-08	9.18E-09	1.19E-08	1.89E-08	3.34E-09	2.37E-09	8.91E-08	4.70E-08	1.99E-08	2.35E-08	9.22E-09	4.70E-08	1.99E-08
4901	484363.09	3862377	1.54E-04	1.51E-04	1.49E-04	5.34E-08	1.61E-07	9.34E-08	9.11E-08	8.26E-08	3.77E-08	3.72E-08	1.78E-09	4.31E-08	9.51E-09	1.24E-08	1.96E-08	3.46E-09	2.45E-09	9.23E-08	4.87E-08	2.07E-08	2.43E-08	9.55E-09	4.87E-08	2.07E-08
4902	484863.09	3862377	1.61E-04	1.57E-04	1.55E-04	5.56E-08	1.68E-07	9.71E-08	9.48E-08	8.59E-08	3.92E-08	3.87E-08	1.86E-09	4.48E-08	9.89E-09	1.29E-08	2.04E-08	3.60E-09	2.55E-09	9.60E-08	5.07E-08	2.15E-08	2.53E-08	9.94E-09	5.07E-08	2.15E-08
4903	485363.09	3862377	1.66E-04	1.62E-04	1.59E-04	5.73E-08	1.73E-07	1.00E-07	9.77E-08	8.86E-08	4.04E-08	3.99E-08	1.91E-09	4.62E-08	1.02E-08	1.33E-08	2.11E-08	3.71E-09	2.63E-09	9.90E-08	5.22E-08	2.22E-08	2.61E-08	1.02E-08	5.22E-08	2.22E-08
4904	485863.09	3862377	1.71E-04	1.67E-04	1.65E-04	5.92E-08	1.79E-07	1.03E-07	1.01E-07	9.15E-08	4.17E-08	4.12E-08	1.98E-09	4.77E-08	1.05E-08	1.37E-08	2.17E-08	3.83E-09	2.72E-09	1.02E-07	5.39E-08	2.29E-08	2.69E-08	1.06E-08	5.39E-08	2.29E-08
4905	486363.09	3862377	1.78E-04	1.74E-04	1.71E-04	6.16E-08	1.86E-07	1.08E-07	1.05E-07	9.53E-08	4.35E-08	4.29E-08	2.06E-09	4.97E-08	1.10E-08	1.43E-08	2.26E-08	3.99E-09	2.83E-09	1.06E-07	5.62E-08	2.38E-08	2.80E-08	1.10E-08	5.62E-08	2.38E-08
4906	486863.09	3862377	1.87E-04	1.83E-04	1.80E-04	6.48E-08	1.96E-07	1.13E-07	1.10E-07	1.00E-07	4.57E-08	4.51E-08	2.16E-09	5.22E-08	1.15E-08	1.50E-08	2.38E-08	4.19E-09	2.97E-09	1.12E-07	5.91E-08	2.51E-08	2.95E-08	1.16E-08	5.91E-08	2.51E-08
4907	487363.09	3862377	1.98E-04	1.93E-04	1.91E-04	6.85E-08	2.07E-07	1.20E-07	1.17E-07	1.06E-07	4.83E-08	4.77E-08	2.29E-09	5.53E-08	1.22E-08	1.59E-08	2.52E-08	4.44E-09	3.15E-09	1.18E-07	6.25E-08	2.65E-08	3.12E-08	1.22E-08	6.25E-08	2.65E-08
4908	487863.09	3862377	2.09E-04	2.04E-04	2.01E-04	7.24E-08	2.19E-07	1.27E-07	1.23E-07	1.12E-07	5.11E-08	5.04E-08	2.42E-09	5.84E-08	1.29E-08	1.68E-08	2.66E-08	4.69E-09	3.32E-09	1.25E-07	6.60E-08	2.80E-08	3.29E-08	1.29E-08	6.60E-08	2.80E-08
4909	488363.09	3862377	2.21E-04	2.15E-04	2.13E-04	7.64E-08	2.31E-07	1.34E-07	1.30E-07	1.18E-07	5.39E-08	5.32E-08	2.55E-09	6.16E-08	1.36E-08	1.77E-08	2.81E-08	4.95E-09	3.51E-09	1.32E-07	6.97E-08	2.96E-08	3.48E-08	1.37E-08	6.97E-08	2.96E-08
4910	488863.09	3862377	2.35E-04	2.29E-04	2.26E-04	8.13E-08	2.45E-07	1.42E-07	1.39E-07	1.26E-07	5.73E-08	5.66E-08	2.71E-09	6.56E-08	1.45E-08	1.88E-08	2.99E-08	5.26E-09	3.73E-09	1.40E-07	7.41E-08	3.14E-08	3.70E-08	1.45E-08	7.41E-08	3.14E-08
4911	489363.09	3862377	2.51E-04	2.45E-04	2.42E-04	8.69E-08	2.62E-07	1.52E-07	1.48E-07	1.34E-07	6.13E-08	6.05E-08	2.90E-09	7.01E-08	1.55E-08	2.01E-08	3.19E-08	5.63E-09	3.99E-09	1.50E-07	7.92E-08	3.36E-08	3.95E-08	1.55E-08	7.92E-08	3.36E-08
4912	489863.09	3862377	2.69E-04	2.62E-04	2.59E-04	9.31E-08	2.81E-07	1.63E-07	1.59E-07	1.44E-07	6.57E-08	6.48E-08	3.11E-09	7.51E-08	1.66E-08	2.16E-08	3.42E-08	6.03E-09	4.27E-09	1.61E-07	8.49E-08	3.60E-08	4.24E-08	1.66E-08	8.49E-08	3.60E-08
4913	490363.09	3862377	2.90E-04	2.83E-04	2.79E-04	1.00E-07	3.03E-07	1.75E-07	1.71E-07	1.55E-07	7.07E-08	6.98E-08	3.35E-09	8.09E-08	1.78E-08	2.32E-08	3.68E-08	6.49E-09	4.60E-09	1.73E-07	9.14E-08	3.88E-08	4.56E-08	1.79E-08	9.14E-08	3.88E-08
4914	490863.09	3862377	3.16E-04	3.08E-04	3.04E-04	1.09E-07	3.30E-07	1.91E-07	1.86E-07	1.69E-07	7.71E-08	7.61E-08	3.65E-09	8.82E-08	1.95E-08	2.53E-08	4.02E-08	7.08E-09	5.02E-09	1.89E-07	9.96E-08	4.23E-08	4.97E-08	1.95E-08	9.96E-08	4.23E-08
4915	491363.09	3862377	3.47E-04	3.39E-04	3.34E-04	1.20E-07	3.63E-07	2.10E-07	2.05E-07	1.86E-07	8.48E-08	8.37E-08	4.01E-09	9.70E-08	2.14E-08	2.78E-08	4.42E-08	7.78E-09	5.52E-09	2.08E-07	1.10E-07	4.65E-08	5.47E-08	2.15E-08	1.10E-07	4.65E-08
4916	491863.09	3862377	3.84E-04	3.75E-04	3.70E-04	1.33E-07	4.02E-07	2.32E-07	2.27E-07	2.06E-07	9.38E-08	9.26E-08	4.44E-09	1.07E-07	2.37E-08	3.08E-08	4.89E-08	8.61E-09	6.11E-09	2.30E-07	1.21E-07	5.14E-08	6.05E-08	2.38E-08	1.21E-07	5.14E-08
4917	492363.09	3862377	4.32E-04	4.21E-04	4.16E-04	1.50E-07	4.51E-07	2.61E-07	2.55E-07	2.31E-07	1.05E-07	1.04E-07	4.99E-09	1.21E-07	2.66E-08	3.46E-08	5.49E-08	9.68E-09	6.86E-09	2.58E-07	1.36E-07	5.78E-08	6.80E-08	2.67E-08	1.36E-07	5.78E-08
4918	492863.09	3862377	4.97E-04	4.85E-04	4.79E-04	1.72E-07	5.20E-07	3.01E-07	2.94E-07	2.66E-07	1.21E-07	1.20E-07	5.75E-09	1.39E-07	3.06E-08	3.99E-08	6.33E-08	1.11E-08	7.91E-09	2.97E-07	1.57E-07	6.66E-08	7.84E-08	3.08E-08	1.57E-07	6.66E-08
4919	493363.09	3862377	5.78E-04	5.64E-04	5.57E-04	2.00E-07	6.04E-07	3.50E-07	3.41E-07	3.10E-07	1.41E-07	1.39E-07	6.69E-09	1.61E-07	3.56E-08	4.64E-08	7.35E-08	1.30E-08	9.19E-09	3.46E-07	1.83E-07	7.74E-08	9.11E-08	3.58E-08	1.83E-07	7.74E-08
4920	493863.09	3862377	6.77E-04	6.60E-04	6.52E-04	2.34E-07	7.07E-07	4.09E-07	4.00E-07	3.62E-07	1.65E-07	1.63E-07	7.82E-09	1.89E-07	4.17E-08	5.42E-08	8.61E-08	1.52E-08	1.08E-08	4.05E-07	2.14E-07	9.06E-08	1.07E-07	4.19E-08	2.14E-07	9.06E-08
4921	494363.09	3862377	8.21E-04	8.02E-04	7.91E-04	2.84E-07	8.59E-07	4.97E-07	4.85E-07	4.40E-07	2.01E-07	1.98E-07	9.50E-09	2.29E-07	5.06E-08	6.59E-08	1.04E-07	1.84E-08	1.31E-08	4.91E-07	2.59E-07	1.10E-07	1.29E-07	5.08E-08	2.59E-07	1.10E-07
4922	494863.09	3862377	1.03E-03	1.01E-03	9.92E-04	3.57E-07	1.08E-06	6.24E-07	6.08E-07	5.52E-07	2.52E-07	2.48E-07	1.19E-08	2.88E-07	6.35E-08	8.26E-08	1.31E-07	2.31E-08	1.64E-08	6.16E-07	3.25E-07	1.38E-07	1.62E-07	6.38E-08	3.25E-07	1.38E-07
4923	495363.09	3862377	1.34E-03	1.31E-03	1.29E-03	4.64E-07	1.40E-06	8.12E-07	7.92E-07	7.18E-07	3.28E-07	3.23E-07	1.55E-08	3.75E-07	8.26E-08	1.08E-07	1.71E-07	3.01E-08	2.13E-08	8.02E-07	4.23E-07	1.80E-07	2.11E-07	8.30E-08	4.23E-07	1.80E-07
4924	495863.09	3862377	2.00E-03	1.96E-03	1.93E-03	6.94E-07	2.10E-06	1.21E-06	1.18E-06	1.07E-06	4.90E-07	4.83E-07	2.32E-08	5.60E-07	1.24E-07	1.61E-07	2.55E-07	4.49E-08	3.19E-08	1.20E-06	6.33E-07	2.68E-07	3.16E-07	1.24E-07	6.33E-07	2.68E-07
4925	496363.09	3862377	3.97E-03	3.87E-03	3.82E-03	1.37E-06	4.15E-06	2.40E-06	2.34E-06	2.12E-06	9.70E-07	9.57E-07	4.59E-08	1.11E-06	2.45E-07	3.18E-07	5.05E-07	8.90E-08	6.31E-08	2.37E-06	1.25E-06	5.32E-07	6.25E-07	2.46E-07	1.25E-06	5.32E-07
4926	496863.09	3862377	3.42E-02	3.34E-02	3.29E-02	1.18E-05	3.58E-05	2.07E-05	2.02E-05	1.83E-05	8.36E-06	8.24E-06	3.95E-07	9.55E-06	2.11E-06	2.74E-06	4.35E-06	7.67E-07	5.44E-07	2.05E-05	1.08E-05	4.58E-06	5.39E-06	2.12E-06	1.08E-05	4.58E-06
4927	497363.09	3862377	2.06E-02	2.01E-02	1.99E-02	7.14E-06	2.16E-05	1.25E-05	1.22E-05	1.10E-05	5.04E-06	4.97E-06	2.39E-07	5.76E-06	1.27E-06	1.65E-06	2.62E-06	4.62E-07	3.28E-07	1.23E-05	6.51E-06	2.76E-06	3.25E-06	1.28E-06	6.51E-06	2.76E-06
4928	497863.09	3862377	5.60E-02	5.47E-02	5.40E-02	1.94E-05	5.86E-05	3.39E-05	3.31E-05	3.00E-05	1.37E-05	1.35E-05	6.48E-07	1.56E-05	3.45E-06	4.49E-06	7.13E-06	1.26E-06	8.91E-07	3.35E-05	1.77E-05	7.50E-06	8.83E-06	3.47E-06	1.77E-05	7.50E-06
4929	498363.09	3862377	7.07E-03	6.90E-03	6.81E-03	2.45E-06	7.39E-06	4.28E-06	4.18E-06	3.78E-06	1.73E-06	1.70E-06	8.17E-08	1.97E-06	4.36E-07	5.67E-07	8.99E-07	1.58E-07	1.12E-07	4.23E-06	2.23E-06	9.47E-07	1.11E-06	4.38E-07	2.23E-06	9.47E-07
4930	471363.09	3862877	7.97E-05	7.77E-05	7.67E-05	2.76E-08	8.33E-08	4.82E-08	4.70E-08	4.26E-08	1.95E-08	1.92E-08	9.21E-10	2.22E-08	4.91E-09	6.39E-09	1.01E-08	1.79E-09	1.27E-09	4.76E-08	2.51E-08	1.07E-08	1.25E-08	4.93E-09	2.51E-08	1.07E-08
4931	471863.09	3862877	8.13E-05	7.93E-05	7.83E-05	2.81E-08	8.50E-08	4.92E-08	4.80E-08	4.35E-08	1.99E-08	1.96E-08	9.40E-10	2.27E-08	5.01E-09	6.52E-09	1.03E-08	1.82E-09	1.29E-09	4.86E-08	2.57E-08	1.09E-08	1.28E-08	5.03E-09	2.57E-08	1.09E-08
4932	472363.09	3862877	8.30E-05	8.10E-05	7.99E-05	2.87E-08	8.67E-08	5.02E-08	4.90E-08	4.44E-08	2.03E-08	2.00E-08	9.59E-10	2.32E-08	5.11E-09	6.65E-09	1.06E-08	1.86E-09	1.32E-09	4.96E-08	2.62E-08	1.11E-08	1.31E-08	5.14E-09	2.62E-08	1.11E-08
4933	472863.09	3862877	8.42E-05	8.22E-05	8.11E-05	2.92E-08	8.80E-08	5.10E-08	4.97E-08	4.51E-08	2.06E-08	2.03E-08	9.74E-10	2.35E-08	5.19E-09	6.75E-09	1.07E-08	1.89E-09	1.34E-09	5.04E-08	2.66E-08	1.13E-08	1.33E-08	5.21E-09	2.66E-08	1.13E-08
4934	473363.09	3862877	8.59E-05	8.38E-05	8.27E-05	2.97E-08	8.98E-08	5.20E-08	5.07E-08	4.60E-08	2.10E-08	2.07E-08	9.93E-10	2.40E-08	5.29E-09	6.88E-09	1.09E-08	1.92E-09	1.37E-09	5.14E-08	2.71E-08	1.15E-08	1.35E-08	5.31E-09	2.71E-08	1.15E-08
4935	473863.09	3862877	8.71E-05	8.50E-05	8.39E-05	3.02E-08	9.11E-08	5.27E-08	5.14E-08	4.66E-08	2.13E-08	2.10E-08	1.01E-09	2.43E-08	5.37E-09	6.98E-09	1.11E-08	1.95E-09	1.38E-09	5.21E-08	2.75E-08	1.17E-08	1.37E-08	5.39E-09	2.75E-08	1.17E-08
4936	474363.09	3862877	8.84E-05	8.62E-05	8.51E-05	3.06E-08	9.24E-08	5.35E-08	5.22E-08	4.73E-08	2.16E-08	2.13E-08	1.02E-09	2.47E-08	5.44E-09	7.08E-09	1.12E-08	1.98E-09	1.40E-09	5.28E-08	2.79E-08	1.18E-08	1.39E-08	5.47E-09	2.79E-08	1.18E-08
4937	474863.09	3862877	9.00E-05	8.79E-05	8.67E-05	3.12E-08	9.41E-08	5.45E-08	5.32E-08	4.82E-08	2.20E-08	2.17E-08	1.04E-09	2.51E-08	5.55E-09	7.22E-09	1.14E-08	2.02E-09	1.43E-09	5.38E-08	2.84E-08	1.21E-08	1.42E-08	5.57E-09	2.84E-08	1.21E-08
4938	475363.09	3862877	9.25E-05	9.03E-05	8.91E-05	3.20E-08	9.67E-08	5.60E-08	5.46E-08	4.95E-08	2.26E-08	2.23E-08	1.07E-09	2.58E-08	5.70E-09	7.42E-09	1.18E-08	2.07E-09	1.47E-09	5.53E-08	2.92E-08	1.24E-08	1.46E-08	5.73E-09	2.92E-08	1.24E-08
4939	475863.09	3862877	9.42E-05	9.19E-05	9.07E-05	3.26E-08	9.84E-08	5.70E-08	5.56E-08	5.04E-08	2.30E-08	2.27E-08	1.09E-09	2.63E-08	5.80E-09	7.55E-09	1.20E-08	2.11E-09	1.50E-09	5.63E-08	2.97E-08	1.26E-08	1.48E-08	5.83E-09	2.97E-08	1.26E-08
4940	476363.09	3862877	9.63E-05	9.39E-05	9.27E-05	3.33E-08	1.01E-07	5.82E-08	5.68E-08	5.15E-08	2.35E-08	2.32E-08	1.11E-09	2.69E-08	5.93E-09	7.72E-09	1.22E-08	2.16E-09	1.53E-09	5.76E-08	3.04E-08	1.29E-08	1.52E-08	5.96E-09	3.04E-08	1.29E-08
4941	476863.09	3862877	9.75E-05	9.51E-05	9.39E-05	3.37E-08	1.02E-07	5.90E-08	5.76E-08	5.22E-08	2.38E-08	2.35E-08	1.13E-09	2.72E-08	6.01E-09	7.82E-09	1.24E-08	2.19E-09	1.55E-09	5.83E-08	3.08E-08	1.31E-08	1.54E-08	6.03E-09	3.08E-08	1.31E-08
4942	477363.09	3862877	9.92E-05	9.68E-05	9.55E-05	3.43E-08	1.04E-07	6.00E-08	5.85E-08	5.31E-08	2.42E-08	2.39E-08	1.15E-09	2.77E-08	6.11E-09	7.95E-09	1.26E-08	2.22E-09	1.58E-09	5.93E-08	3.13E-08	1.33E-08	1.56E-08	6.14E-09	3.13E-08	1.33E-08
4943	477863.09	3862877	9.71E-05	9.47E-05	9.35E-05	3.36E-08	1.01E-07	5.87E-08	5.73E-08	5.20E-08	2.37E-08	2.34E-08	1.12E-09	2.71E-08	5.98E-09	7.78E-09	1.23E-08	2.18E-09	1.54E-09	5.81E-08	3.06E-08	1.30E-08	1.53E-08	6.01E-09	3.06E-08	1.30E-08
4944	478363.09	3862877	9.00E-05	8.79E-05	8.67E-05	3.12E-08	9.41E-08	5.45E-08	5.32E-08	4.82E-08	2.20E-08	2.17E-08	1.04E-09	2.51E-08	5.55E-09	7.22E-09	1.14E-08	2.02E-09	1.43E-09	5.38E-08	2.84E-08	1.21E-08	1.42E-08	5.57E-09	2.84E-08	1.21E-08
4945	478863.09	3862877	9.09E-05	8.87E-05	8.75E-05	3.15E-08	9.50E-08	5.50E-08	5.36E-08	4.86E-08	2.22E-08	2.19E-08	1.05E-09	2.54E-08	5.60E-09	7.28E-09	1.16E-08	2.04E-09	1.44E-09	5.43E-08	2.87E-08	1.22E-08	1.43E-08	5.62E-09	2.87E-08	1.22E-08
4946	479363.09	3862877	9.33E-05	9.11E-05	8.99E-05	3.23E-08	9.76E-08	5.65E-08	5.51E-08	5.00E-08	2.28E-08	2.25E-08	1.08E-09	2.61E-08	5.75E-09	7.48E-09	1.19E-08	2.09E-09	1.48E-09	5.58E-08	2.95E-08	1.25E-08	1.47E-08	5.78E-09	2.95E-08	1.25E-08
4947	479863.09	3862877	1.10E-04	1.08E-04	1.06E-04	3.82E-08	1.15E-07	6.68E-08	6.52E-08	5.91E-08	2.70E-08	2.66E-08	1.28E-09	3.08E-08	6.80E-09	8.85E-09	1.40E-08	2.47E-09	1.75E-09	6.60E-08	3.48E-08	1.48E-08	1.74E-08	6.83E-09	3.48E-08	1.48E-08
4948	480363.09	3862877	1.15E-04	1.12E-04	1.10E-04	3.96E-08	1.20E-07	6.93E-08	6.76E-08	6.13E-08	2.80E-08	2.76E-08	1.32E-09	3.20E-08	7.06E-09	9.18E-09	1.46E-08	2.57E-09	1.82E-09	6.85E-08	3.61E-08	1.53E-08	1.80E-08	7.09E-09	3.61E-08	1.53E-08
4949	480863.09	3862877	1.17E-04	1.15E-04	1.13E-04	4.06E-08	1.23E-07	7.10E-08	6.93E-08	6.28E-08	2.87E-08	2.83E-08	1.36E-09	3.28E-08	7.23E-09	9.41E-09	1.49E-08	2.63E-09	1.87E-09	7.02E-08	3.71E-08	1.57E-08	1.85E-08	7.27E-09	3.71E-08	1.57E-08
4950	481363.09	3862877	1.22E-04	1.19E-04	1.17E-04	4.22E-08	1.27E-07	7.38E-08	7.20E-08	6.53E-08	2.98E-08	2.94E-08	1.41E-09	3.41E-08	7.52E-09	9.78E-09	1.55E-08	2.73E-09	1.94E-09	7.29E-08	3.85E-08	1.63E-08	1.92E-08	7.55E-09	3.85E-08	1.63E-08
4951	481863.09	3862877	1.26E-04	1.23E-04	1.21E-04	4.35E-08	1.31E-07	7.61E-08	7.42E-08	6.73E-08	3.07E-08	3.03E-08	1.45E-09	3.51E-08	7.75E-09	1.01E-08	1.60E-08	2.82E-09	2.00E-09	7.52E-08	3.97E-08	1.68E-08	1.98E-08	7.78E-09	3.97E-08	1.68E-08

4952	482363.09	3862877	1.29E-04	1.26E-04	1.25E-04	4.48E-08	1.35E-07	7.83E-08	7.64E-08	6.93E-08	3.16E-08	3.12E-08	1.50E-09	3.61E-08	7.98E-09	1.04E-08	1.65E-08	2.90E-09	2.06E-09	7.74E-08	4.09E-08	1.73E-08	2.04E-08	8.01E-09	4.09E-08	1.73E-08
4953	482863.09	3862877	1.33E-04	1.30E-04	1.28E-04	4.60E-08	1.39E-07	8.03E-08	7.84E-08	7.11E-08	3.24E-08	3.20E-08	1.53E-09	3.71E-08	8.18E-09	1.06E-08	1.69E-08	2.98E-09	2.11E-09	7.94E-08	4.19E-08	1.78E-08	2.09E-08	8.22E-09	4.19E-08	1.78E-08
4954	483363.09	3862877	1.36E-04	1.33E-04	1.31E-04	4.72E-08	1.43E-07	8.26E-08	8.06E-08	7.31E-08	3.33E-08	3.29E-08	1.58E-09	3.81E-08	8.41E-09	1.09E-08	1.74E-08	3.06E-09	2.17E-09	8.16E-08	4.31E-08	1.83E-08	2.15E-08	8.45E-09	4.31E-08	1.83E-08
4955	483863.09	3862877	1.40E-04	1.37E-04	1.35E-04	4.85E-08	1.47E-07	8.48E-08	8.28E-08	7.51E-08	3.42E-08	3.38E-08	1.62E-09	3.92E-08	8.64E-09	1.12E-08	1.78E-08	3.14E-09	2.23E-09	8.39E-08	4.43E-08	1.88E-08	2.21E-08	8.68E-09	4.43E-08	1.88E-08
4956	484363.09	3862877	1.45E-04	1.42E-04	1.40E-04	5.03E-08	1.52E-07	8.79E-08	8.57E-08	7.77E-08	3.55E-08	3.50E-08	1.68E-09	4.05E-08	8.95E-09	1.16E-08	1.85E-08	3.25E-09	2.31E-09	8.68E-08	4.58E-08	1.94E-08	2.29E-08	8.99E-09	4.58E-08	1.94E-08
4957	484863.09	3862877	1.51E-04	1.47E-04	1.45E-04	5.21E-08	1.57E-07	9.11E-08	8.89E-08	8.06E-08	3.68E-08	3.63E-08	1.74E-09	4.21E-08	9.28E-09	1.21E-08	1.92E-08	3.38E-09	2.39E-09	9.01E-08	4.75E-08	2.02E-08	2.37E-08	9.32E-09	4.75E-08	2.02E-08
4958	485363.09	3862877	1.56E-04	1.52E-04	1.50E-04	5.39E-08	1.63E-07	9.41E-08	9.19E-08	8.33E-08	3.80E-08	3.75E-08	1.80E-09	4.34E-08	9.59E-09	1.25E-08	1.98E-08	3.49E-09	2.47E-09	9.30E-08	4.91E-08	2.08E-08	2.45E-08	9.63E-09	4.91E-08	2.08E-08
4959	485863.09	3862877	1.61E-04	1.57E-04	1.55E-04	5.56E-08	1.68E-07	9.71E-08	9.48E-08	8.59E-08	3.92E-08	3.87E-08	1.86E-09	4.48E-08	9.89E-09	1.29E-08	2.04E-08	3.60E-09	2.55E-09	9.60E-08	5.07E-08	2.15E-08	2.53E-08	9.94E-09	5.07E-08	2.15E-08
4960	486363.09	3862877	1.66E-04	1.62E-04	1.60E-04	5.74E-08	1.73E-07	1.00E-07	9.80E-08	8.88E-08	4.05E-08	4.00E-08	1.92E-09	4.63E-08	1.02E-08	1.33E-08	2.11E-08	3.72E-09	2.64E-09	9.92E-08	5.24E-08	2.22E-08	2.61E-08	1.03E-08	5.24E-08	2.22E-08
4961	486863.09	3862877	1.73E-04	1.69E-04	1.67E-04	5.99E-08	1.81E-07	1.05E-07	1.02E-07	9.26E-08	4.23E-08	4.17E-08	2.00E-09	4.83E-08	1.07E-08	1.39E-08	2.20E-08	3.88E-09	2.75E-09	1.03E-07	5.46E-08	2.32E-08	2.73E-08	1.07E-08	5.46E-08	2.32E-08
4962	487363.09	3862877	1.82E-04	1.77E-04	1.75E-04	6.29E-08	1.90E-07	1.10E-07	1.07E-07	9.73E-08	4.44E-08	4.38E-08	2.10E-09	5.07E-08	1.12E-08	1.46E-08	2.31E-08	4.07E-09	2.89E-09	1.09E-07	5.74E-08	2.43E-08	2.86E-08	1.12E-08	5.74E-08	2.43E-08
4963	487863.09	3862877	1.91E-04	1.86E-04	1.84E-04	6.61E-08	1.99E-07	1.15E-07	1.13E-07	1.02E-07	4.66E-08	4.60E-08	2.21E-09	5.33E-08	1.18E-08	1.53E-08	2.43E-08	4.28E-09	3.03E-09	1.14E-07	6.02E-08	2.56E-08	3.01E-08	1.18E-08	6.02E-08	2.56E-08
4964	488363.09	3862877	2.00E-04	1.95E-04	1.93E-04	6.92E-08	2.09E-07	1.21E-07	1.18E-07	1.07E-07	4.88E-08	4.82E-08	2.31E-09	5.58E-08	1.23E-08	1.60E-08	2.54E-08	4.48E-09	3.18E-09	1.20E-07	6.31E-08	2.68E-08	3.15E-08	1.24E-08	6.31E-08	2.68E-08
4965	488863.09	3862877	2.10E-04	2.05E-04	2.02E-04	7.27E-08	2.19E-07	1.27E-07	1.24E-07	1.12E-07	5.13E-08	5.06E-08	2.43E-09	5.86E-08	1.29E-08	1.68E-08	2.67E-08	4.71E-09	3.34E-09	1.26E-07	6.63E-08	2.81E-08	3.31E-08	1.30E-08	6.63E-08	2.81E-08
4966	489363.09	3862877	2.22E-04	2.17E-04	2.14E-04	7.70E-08	2.32E-07	1.35E-07	1.31E-07	1.19E-07	5.43E-08	5.36E-08	2.57E-09	6.21E-08	1.37E-08	1.78E-08	2.83E-08	4.98E-09	3.53E-09	1.33E-07	7.02E-08	2.98E-08	3.50E-08	1.38E-08	7.02E-08	2.98E-08
4967	489863.09	3862877	2.36E-04	2.31E-04	2.28E-04	8.19E-08	2.47E-07	1.43E-07	1.40E-07	1.27E-07	5.78E-08	5.70E-08	2.73E-09	6.60E-08	1.46E-08	1.90E-08	3.01E-08	5.30E-09	3.76E-09	1.41E-07	7.46E-08	3.17E-08	3.73E-08	1.46E-08	7.46E-08	3.17E-08
4968	490363.09	3862877	2.51E-04	2.45E-04	2.42E-04	8.69E-08	2.62E-07	1.52E-07	1.48E-07	1.34E-07	6.13E-08	6.05E-08	2.90E-09	7.01E-08	1.55E-08	2.01E-08	3.19E-08	5.63E-09	3.99E-09	1.50E-07	7.92E-08	3.36E-08	3.95E-08	1.55E-08	7.92E-08	3.36E-08
4969	490863.09	3862877	2.68E-04	2.61E-04	2.58E-04	9.26E-08	2.80E-07	1.62E-07	1.58E-07	1.43E-07	6.54E-08	6.45E-08	3.09E-09	7.47E-08	1.65E-08	2.15E-08	3.40E-08	6.00E-09	4.25E-09	1.60E-07	8.45E-08	3.58E-08	4.22E-08	1.66E-08	8.45E-08	3.58E-08
4970	491363.09	3862877	2.85E-04	2.79E-04	2.75E-04	9.88E-08	2.98E-07	1.73E-07	1.69E-07	1.53E-07	6.97E-08	6.88E-08	3.30E-09	7.97E-08	1.76E-08	2.29E-08	3.63E-08	6.40E-09	4.54E-09	1.71E-07	9.01E-08	3.82E-08	4.50E-08	1.77E-08	9.01E-08	3.82E-08
4971	491863.09	3862877	3.07E-04	3.00E-04	2.96E-04	1.06E-07	3.21E-07	1.86E-07	1.81E-07	1.64E-07	7.50E-08	7.40E-08	3.55E-09	8.57E-08	1.89E-08	2.46E-08	3.90E-08	6.88E-09	4.88E-09	1.84E-07	9.69E-08	4.11E-08	4.84E-08	1.90E-08	9.69E-08	4.11E-08
4972	492363.09	3862877	3.30E-04	3.22E-04	3.18E-04	1.14E-07	3.45E-07	2.00E-07	1.95E-07	1.77E-07	8.06E-08	7.95E-08	3.81E-09	9.21E-08	2.03E-08	2.64E-08	4.19E-08	7.39E-09	5.24E-09	1.97E-07	1.04E-07	4.42E-08	5.20E-08	2.04E-08	1.04E-07	4.42E-08
4973	492863.09	3862877	3.60E-04	3.51E-04	3.46E-04	1.25E-07	3.76E-07	2.18E-07	2.12E-07	1.93E-07	8.78E-08	8.67E-08	4.16E-09	1.00E-07	2.22E-08	2.88E-08	4.57E-08	8.06E-09	5.72E-09	2.15E-07	1.14E-07	4.82E-08	5.67E-08	2.23E-08	1.14E-07	4.82E-08
4974	493363.09	3862877	3.98E-04	3.88E-04	3.83E-04	1.38E-07	4.16E-07	2.41E-07	2.35E-07	2.13E-07	9.72E-08	9.59E-08	4.60E-09	1.11E-07	2.45E-08	3.19E-08	5.06E-08	8.92E-09	6.32E-09	2.38E-07	1.26E-07	5.33E-08	6.27E-08	2.46E-08	1.26E-07	5.33E-08
4975	493863.09	3862877	4.32E-04	4.22E-04	4.16E-04	1.50E-07	4.52E-07	2.62E-07	2.55E-07	2.31E-07	1.06E-07	1.04E-07	5.00E-09	1.21E-07	2.66E-08	3.47E-08	5.50E-08	9.69E-09	6.87E-09	2.59E-07	1.36E-07	5.79E-08	6.81E-08	2.68E-08	1.36E-07	5.79E-08
4976	494363.09	3862877	4.79E-04	4.67E-04	4.61E-04	1.66E-07	5.00E-07	2.90E-07	2.83E-07	2.56E-07	1.17E-07	1.15E-07	5.53E-09	1.34E-07	2.95E-08	3.84E-08	6.09E-08	1.07E-08	7.61E-09	2.86E-07	1.51E-07	6.41E-08	7.54E-08	2.96E-08	1.51E-07	6.41E-08
4977	494863.09	3862877	5.47E-04	5.34E-04	5.27E-04	1.89E-07	5.72E-07	3.31E-07	3.23E-07	2.93E-07	1.34E-07	1.32E-07	6.33E-09	1.53E-07	3.37E-08	4.39E-08	6.96E-08	1.23E-08	8.70E-09	3.27E-07	1.73E-07	7.33E-08	8.62E-08	3.39E-08	1.73E-07	7.33E-08
4978	495363.09	3862877	6.23E-04	6.08E-04	6.00E-04	2.16E-07	6.51E-07	3.77E-07	3.68E-07	3.34E-07	1.52E-07	1.50E-07	7.20E-09	1.74E-07	3.84E-08	5.00E-08	7.92E-08	1.40E-08	9.90E-09	3.73E-07	1.97E-07	8.34E-08	9.82E-08	3.86E-08	1.97E-07	8.34E-08
4979	495863.09	3862877	7.04E-04	6.87E-04	6.78E-04	2.44E-07	7.36E-07	4.26E-07	4.16E-07	3.77E-07	1.72E-07	1.70E-07	8.14E-09	1.97E-07	4.34E-08	5.65E-08	8.96E-08	1.58E-08	1.12E-08	4.21E-07	2.22E-07	9.43E-08	1.11E-07	4.36E-08	2.22E-07	9.43E-08
4980	496363.09	3862877	7.99E-04	7.80E-04	7.69E-04	2.77E-07	8.35E-07	4.83E-07	4.72E-07	4.28E-07	1.95E-07	1.93E-07	9.24E-09	2.23E-07	4.92E-08	6.41E-08	1.02E-07	1.79E-08	1.27E-08	4.78E-07	2.52E-07	1.07E-07	1.26E-07	4.95E-08	2.52E-07	1.07E-07
4981	496863.09	3862877	9.22E-04	9.00E-04	8.88E-04	3.19E-07	9.64E-07	5.58E-07	5.44E-07	4.93E-07	2.25E-07	2.22E-07	1.07E-08	2.57E-07	5.68E-08	7.39E-08	1.17E-07	2.07E-08	1.47E-08	5.51E-07	2.91E-07	1.23E-07	1.45E-07	5.71E-08	2.91E-07	1.23E-07
4982	497363.09	3862877	1.00E-03	9.79E-04	9.66E-04	3.47E-07	1.05E-06	6.07E-07	5.93E-07	5.37E-07	2.45E-07	2.42E-07	1.16E-08	2.80E-07	6.18E-08	8.05E-08	1.28E-07	2.25E-08	1.60E-08	6.00E-07	3.17E-07	1.34E-07	1.58E-07	6.21E-08	3.17E-07	1.34E-07
4983	497863.09	3862877	1.00E-03	9.79E-04	9.66E-04	3.47E-07	1.05E-06	6.07E-07	5.93E-07	5.37E-07	2.45E-07	2.42E-07	1.16E-08	2.80E-07	6.18E-08	8.05E-08	1.28E-07	2.25E-08	1.60E-08	6.00E-07	3.17E-07	1.34E-07	1.58E-07	6.21E-08	3.17E-07	1.34E-07
4984	498363.09	3862877	9.64E-04	9.41E-04	9.28E-04	3.34E-07	1.01E-06	5.83E-07	5.69E-07	5.16E-07	2.35E-07	2.32E-07	1.11E-08	2.69E-07	5.94E-08	7.73E-08	1.23E-07	2.16E-08	1.53E-08	5.77E-07	3.04E-07	1.29E-07	1.52E-07	5.97E-08	3.04E-07	1.29E-07
4985	471363.09	3863377	7.80E-05	7.61E-05	7.51E-05	2.70E-08	8.15E-08	4.72E-08	4.61E-08	4.17E-08	1.90E-08	1.88E-08	9.02E-10	2.18E-08	4.81E-09	6.25E-09	9.92E-09	1.75E-09	1.24E-09	4.66E-08	2.46E-08	1.04E-08	1.23E-08	4.83E-09	2.46E-08	1.04E-08
4986	471863.09	3863377	7.97E-05	7.77E-05	7.67E-05	2.76E-08	8.33E-08	4.82E-08	4.70E-08	4.26E-08	1.95E-08	1.92E-08	9.21E-10	2.22E-08	4.91E-09	6.39E-09	1.01E-08	1.79E-09	1.27E-09	4.76E-08	2.51E-08	1.07E-08	1.25E-08	4.93E-09	2.51E-08	1.07E-08
4987	472363.09	3863377	8.05E-05	7.85E-05	7.75E-05	2.79E-08	8.41E-08	4.87E-08	4.75E-08	4.31E-08	1.97E-08	1.94E-08	9.30E-10	2.25E-08	4.96E-09	6.45E-09	1.02E-08	1.80E-09	1.28E-09	4.81E-08	2.54E-08	1.08E-08	1.27E-08	4.98E-09	2.54E-08	1.08E-08
4988	472863.09	3863377	8.21E-05	8.02E-05	7.91E-05	2.84E-08	8.59E-08	4.97E-08	4.85E-08	4.40E-08	2.01E-08	1.98E-08	9.50E-10	2.29E-08	5.06E-09	6.59E-09	1.04E-08	1.84E-09	1.31E-09	4.91E-08	2.59E-08	1.10E-08	1.29E-08	5.08E-09	2.59E-08	1.10E-08
4989	473363.09	3863377	8.34E-05	8.14E-05	8.03E-05	2.89E-08	8.72E-08	5.05E-08	4.92E-08	4.46E-08	2.04E-08	2.01E-08	9.64E-10	2.33E-08	5.14E-09	6.68E-09	1.06E-08	1.87E-09	1.33E-09	4.99E-08	2.63E-08	1.12E-08	1.31E-08	5.16E-09	2.63E-08	1.12E-08
4990	473863.09	3863377	8.51E-05	8.30E-05	8.19E-05	2.94E-08	8.89E-08	5.15E-08	5.02E-08	4.55E-08	2.08E-08	2.05E-08	9.83E-10	2.37E-08	5.24E-09	6.82E-09	1.08E-08	1.91E-09	1.35E-09	5.09E-08	2.68E-08	1.14E-08	1.34E-08	5.26E-09	2.68E-08	1.14E-08
4991	474363.09	3863377	8.63E-05	8.42E-05	8.31E-05	2.99E-08	9.02E-08	5.22E-08	5.10E-08	4.62E-08	2.11E-08	2.08E-08	9.98E-10	2.41E-08	5.32E-09	6.92E-09	1.10E-08	1.93E-09	1.37E-09	5.16E-08	2.72E-08	1.16E-08	1.36E-08	5.34E-09	2.72E-08	1.16E-08
4992	474863.09	3863377	8.75E-05	8.54E-05	8.43E-05	3.03E-08	9.15E-08	5.30E-08	5.17E-08	4.69E-08	2.14E-08	2.11E-08	1.01E-09	2.44E-08	5.39E-09	7.02E-09	1.11E-08	1.96E-09	1.39E-09	5.24E-08	2.76E-08	1.17E-08	1.38E-08	5.42E-09	2.76E-08	1.17E-08
4993	475363.09	3863377	8.92E-05	8.70E-05	8.59E-05	3.09E-08	9.32E-08	5.40E-08	5.27E-08	4.77E-08	2.18E-08	2.15E-08	1.03E-09	2.49E-08	5.50E-09	7.15E-09	1.13E-08	2.00E-09	1.42E-09	5.33E-08	2.82E-08	1.19E-08	1.41E-08	5.52E-09	2.82E-08	1.19E-08
4994	475863.09	3863377	9.09E-05	8.87E-05	8.75E-05	3.15E-08	9.50E-08	5.50E-08	5.36E-08	4.86E-08	2.22E-08	2.19E-08	1.05E-09	2.54E-08	5.60E-09	7.28E-09	1.16E-08	2.04E-09	1.44E-09	5.43E-08	2.87E-08	1.22E-08	1.43E-08	5.62E-09	2.87E-08	1.22E-08
4995	476363.09	3863377	9.29E-05	9.07E-05	8.95E-05	3.22E-08	9.71E-08	5.62E-08	5.49E-08	4.97E-08	2.27E-08	2.24E-08	1.07E-09	2.59E-08	5.73E-09	7.45E-09	1.18E-08	2.08E-09	1.48E-09	5.56E-08	2.93E-08	1.24E-08	1.46E-08	5.75E-09	2.93E-08	1.24E-08
4996	476863.09	3863377	9.46E-05	9.23E-05	9.11E-05	3.27E-08	9.89E-08	5.72E-08	5.59E-08	5.06E-08	2.31E-08	2.28E-08	1.09E-09	2.64E-08	5.83E-09	7.58E-09	1.20E-08	2.12E-09	1.50E-09	5.66E-08	2.99E-08	1.27E-08	1.49E-08	5.85E-09	2.99E-08	1.27E-08
4997	477363.09	3863377	9.63E-05	9.39E-05	9.27E-05	3.33E-08	1.01E-07	5.82E-08	5.68E-08	5.15E-08	2.35E-08	2.32E-08	1.11E-09	2.69E-08	5.93E-09	7.72E-09	1.22E-08	2.16E-09	1.53E-09	5.76E-08	3.04E-08	1.29E-08	1.52E-08	5.96E-09	3.04E-08	1.29E-08
4998	477863.09	3863377	9.67E-05	9.43E-05	9.31E-05	3.35E-08	1.01E-07	5.85E-08	5.71E-08	5.17E-08	2.36E-08	2.33E-08	1.12E-09	2.70E-08	5.96E-09	7.75E-09	1.23E-08	2.17E-09	1.54E-09	5.78E-08	3.05E-08	1.29E-08	1.52E-08	5.98E-09	3.05E-08	1.29E-08
4999	478363.09	3863377	9.33E-05	9.11E-05	8.99E-05	3.23E-08	9.76E-08	5.65E-08	5.51E-08	5.00E-08	2.28E-08	2.25E-08	1.08E-09	2.61E-08	5.75E-09	7.48E-09	1.19E-08	2.09E-09	1.48E-09	5.58E-08	2.95E-08	1.25E-08	1.47E-08	5.78E-09	2.95E-08	1.25E-08
5000	478863.09	3863377	9.54E-05	9.31E-05	9.19E-05	3.30E-08	9.97E-08	5.77E-08	5.63E-08	5.11E-08	2.33E-08	2.30E-08	1.10E-09	2.66E-08	5.88E-09	7.65E-09	1.21E-08	2.14E-09	1.52E-09	5.71E-08	3.01E-08	1.28E-08	1.50E-08	5.91E-09	3.01E-08	1.28E-08
5001	479363.09	3863377	1.02E-04	9.92E-05	9.79E-05	3.52E-08	1.06E-07	6.15E-08	6.00E-08	5.44E-08	2.48E-08	2.45E-08	1.17E-09	2.84E-08	6.26E-09	8.15E-09	1.29E-08	2.28E-09	1.62E-09	6.08E-08	3.21E-08	1.36E-08	1.60E-08	6.29E-09	3.21E-08	1.36E-08
5002	479863.09	3863377	1.07E-04	1.04E-04	1.03E-04	3.71E-08	1.12E-07	6.48E-08	6.32E-08	5.73E-08	2.61E-08	2.58E-08	1.24E-09	2.99E-08	6.59E-09	8.58E-09	1.36E-08	2.40E-09	1.70E-09	6.40E-08	3.38E-08	1.43E-08	1.69E-08	6.62E-09	3.38E-08	1.43E-08
5003	480363.09	3863377	1.10E-04	1.07E-04	1.06E-04	3.81E-08	1.15E-07	6.65E-08	6.49E-08	5.88E-08	2.69E-08	2.65E-08	1.27E-09	3.07E-08	6.77E-09	8.81E-09	1.40E-08	2.46E-09	1.75E-09	6.57E-08	3.47E-08	1.47E-08	1.73E-08	6.80E-09	3.47E-08	1.47E-08
5004	480863.09	3863377	1.13E-04	1.10E-04	1.09E-04	3.91E-08	1.18E-07	6.83E-08	6.66E-08	6.04E-08	2.76E-08	2.72E-08	1.30E-09	3.15E-08	6.95E-09	9.05E-09	1.44E-08	2.53E-09	1.79E-09	6.75E-08	3.56E-08	1.51E-08	1.78E-08	6.98E-09	3.56E-08	1.51E-08
5005	481363.09	3863377	1.17E-04	1.14E-04	1.12E-04	4.04E-08	1.22E-07	7.05E-08	6.88E-08	6.24E-08	2.85E-08	2.81E-08	1.35E-09	3.26E-08	7.18E-09	9.35E-09	1.48E-08	2.61E-09	1.85E-09	6.97E-08	3.68E-08	1.56E-08	1.84E-08	7.22E-09	3.68E-08	1.56E-08
5006	481863.09	3863377	1.20E-04	1.17E-04	1.16E-04	4.16E-08	1.26E-07	7.28E-08	7.10E-08	6.44E-08	2.94E-08	2.90E-08	1.39E-09	3.36E-08	7.41E-09	9.64E-09	1.53E-08	2.70E-09	1.91E-09	7.20E-08	3.80E-08	1.61E-08	1.90E-08	7.45E-09	3.80E-08	1.61E-08
5007	482363.09	3863377	1.24E-04	1.21E-04	1.19E-04	4.28E-08	1.29E-07	7.48E-08	7.30E-08	6.62E-08	3.02E-08	2.98E-08	1.43E-09	3.45E-08	7.62E-09	9.91E-09	1.57E-08	2.77E-09	1.97E-09	7.39E-08	3.90E-08	1.66E-08	1.95E-08	7.65E-09	3.90E-08	1.66E-08
5008	482863.09	3863377	1.27E-04	1.23E-04	1.22E-04	4.38E-08	1.32E-07	7.66E-08	7.47E-08	6.77E-08	3.09E-08	3.05E-08	1.46E-09	3.53E-08	7.80E-09	1.01E-08	1.61E-08	2.84E-09	2.01E-09	7.57E-08	3.99E-08	1.69E-08	1.99E-08	7.83E-09	3.99E-08	1.69E-08
5009	483363.09	3863377	1.30E-04	1.27E-04	1.25E-04	4.50E-08	1.36E-07	7.86E-08	7.67E-08	6.95E-08	3.17E-08	3.13E-08	1.50E-09	3.63E-08	8.00E-09	1.04E-08	1.65E-08	2.91E-09	2.06E-09	7.77E-08	4.10E-08	1.74E-08	2.05E-08	8.04E-09	4.10E-08	1.74E-08
5010	483863.09	3863377	1.33E-04	1.30E-04	1.28E-04	4.61E-08	1.39E-07	8.06E-08	7.86E-08	7.13E-08	3.25E-08	3.21E-08	1.54E-09	3.72E-08	8.21E-09	1.07E-08	1.69E-08	2.98E-09	2.12E-09	7.96E-08	4.20E-08	1.78E-08	2.10E-08	8.24E-09	4.20E-08	1.78E-08
5011	484363.09	3863377	1.38E-04	1.34E-04	1.33E-04	4.77E-08	1.44E-07	8.33E-08	8.13E-08	7.37E-08	3.36E-08	3.32E-08	1.59E-09	3.85E-08	8.49E-09	1.10E-08	1.75E-08	3.09E-09	2.19E-09	8.24E-08	4.35E-08	1.84E-08	2.17E-08	8.52E-09	4.35E-08	1.84E-08
5012	484863.09	3863377	1.42E-04	1.39E-04	1.37E-04	4.93E-08	1.49E-07	8.61E-08	8.40E-08	7.62E-08	3.48E-08	3.43E-08	1.64E-09	3.97E-08	8.77E-09	1.14E-08	1.81E-08	3.19E-09	2.26E-09	8.51E-08	4.49E-08	1.91E-08	2.24E-08	8.81E-09	4.49E-08	1.91E-08
5013	485363.09	3863377	1.47E-04	1.43E-04	1.41E-04	5.08E-08	1.54E-07	8.89E-08	8.67E-08	7.86E-08	3.59E-08	3.54E-08	1.70E-09	4.10E-08	9.05E-09	1.18E-08	1.87E-08	3.29E-09	2.33E-09	8.78E-08	4.64E-08	1.97E-08	2.31E-08	9.09E-09	4.64E-08	1.97E-08
5014	485863.09	3863377	1.51E-04	1.47E-04	1.45E-04	5.23E-08	1.58E-07	9.14E-08	8.92E-08	8.08E-08	3.69E-08	3.64E-08	1.75E-09	4.22E-08	9.30E-09	1.21E-08	1.92E-08	3.38E-09	2.40E-09	9.03E-08	4.77E-08	2.02E-08	2.38E-08	9.35E-09	4.77E-08	2.02E-08
5015	486363.09	3863377	1.55E-04	1.51E-04	1.49E-04	5.36E-08	1.62E-07	9.36E-08	9.14E-08	8.28E-08	3.78E-08	3.73E-08	1.79E-09	4.32E-08	9.53E-09	1.24E-08	1.97E-08	3.47E-09	2.46E-09	9.25E-08	4.88E-08	2.07E-08	2.44E-08	9.58E-09	4.88E-08	2.07E-08
5016	486863.09	3863377	1.60E-04	1.56E-04	1.54E-04	5.54E-08	1.67E-07	9.69E-08	9.46E-08	8.57E-08	3.91E-08	3.86E-08	1.85E-09	4.47E-08	9.87E-09	1.28E-08	2.04E-08	3.59E-09	2.55E-09	9.58E-08	5.05E-08	2.14E-08	2.52E-08	9.91E-09	5.05E-08	2.14E-08
5017	487363.09	3863377	1.67E-04	1.63E-04	1.61E-04	5.77E-08	1.74E-07	1.01E-07	9.85E-08	8.93E-08	4.07E-08	4.02E-08	1.93E-09	4.66E-08	1.03E-08	1.34E-08	2.12E-08	3.74E-09	2.65E-09	9.97E-08	5.26E-08	2.23E-08	2.63E-08	1.03E-08	5.26E-08	2.23E-08
5018	487863.09	3863377	1.74E-04	1.70E-04	1.68E-04	6.03E-08	1.82E-07	1.05E-07	1.03E-07	9.33E-08	4.26E-08	4.20E-08	2.01E-09	4.87E-08	1.07E-08	1.40E-08	2.22E-08	3.91E-09	2.77E-09	1.04E-07	5.50E-08	2.33E-08	2.75E-08	1.08E-08	5.50E-08	2.33E-08
5019	488363.09	3863377	1.81E-04	1.77E-04	1.75E-04	6.28E-08	1.89E-07	1.10E-07	1.07E-07	9.70E-08	4.43E-08	4.37E-08	2.10E-09	5.06E-08	1.12E-08	1.45E-08	2.31E-08	4.06E-09	2.88E-09	1.08E-07	5.72E-08	2.43E-08	2.86E-08	1.12E-08	5.72E-08	2.43E-08
5020	488863.09	3863377	1.89E-04	1.85E-04	1.82E-04	6.55E-08	1.98E-07	1.14E-07	1.12E-07	1.01E-07	4.62E-08	4.56E-08	2.19E-09	5.28E-08	1.17E-08	1.52E-08	2.41E-08	4.24E-09	3.01E-09	1.13E-07	5.97E-08	2.53E-08	2.98E-08	1.17E-08	5.97E-08	2.53E-08
5021	489363.09	3863377	1.97E-04	1.93E-04	1.90E-04	6.84E-08	2.06E-07	1.19E-07	1.17E-07	1.06E-07	4.82E-08	4.76E-08	2.28E-09	5.51E-08	1.22E-08	1.58E-08	2.51E-08	4.43E-09	3.14E-09	1.18E-07	6.23E-08	2.64E-08	3.11E-08	1.22E-08	6.23E-08	2.64E-08
5022	489863.09	3863377	2.07E-04	2.02E-04	2.00E-04	7.18E-08	2.17E-07	1.26E-07	1.22E-07	1.11E-07	5.07E-08	5.00E-08	2.40E-09	5.79E-08	1.28E-08	1.66E-08	2.64E-08	4.65E-09	3.30E-09	1.24E-07	6.55E-08	2.78E-08	3.27E-08	1.28E-08	6.55E-08	2.78E-08
5023	490363.09	3863377	2.18E-04	2.13E-04	2.10E-04	7.55E-08	2.28E-07	1.32E-07	1.29E-07	1.17E-07	5.33E-08	5.26E-08	2.52E-09	6.09E-08	1.34E-08	1.75E-08	2.78E-08	4.89E-09	3.47E-09	1.31E-07	6.89E-08	2.92E-08	3.44E-08	1.35E-08	6.89E-08	2.92E-08
5024	490863.09	3863377	2.29E-04	2.23E-04	2.21E-04	7.93E-08	2.39E-07	1.39E-07	1.35E-07	1.23E-07	5.59E-08	5.52E-08	2.65E-09	6.39E-08	1.41E-08	1.84E-08	2.91E-08	5.13E-09	3.64E-09	1.37E-07	7.23E-08	3.07E-08	3.61E-08	1.42E-08	7.23E-08	3.07E-08
5025	491363.09	3863377	2.41E-04	2.35E-04	2.32E-04	8.33E-08	2.52E-07	1.46E-07	1.42E-07	1.29E-07	5.88E-08	5.80E-08	2.78E-09	6.72E-08	1.48E-08	1.93E-08	3.06E-08	5.39E-09	3.82E-09	1.44E-07	7.59E-08	3.22E-08	3.79E-08	1.49E-08	7.59E-08	3.22E-08

5026	491863.09	3863377	2.53E-04	2.47E-04	2.44E-04	8.76E-08	2.65E-07	1.53E-07	1.49E-07	1.35E-07	6.18E-08	6.10E-08	2.93E-09	7.07E-08	1.56E-08	2.03E-08	3.22E-08	5.67E-09	4.02E-09	1.51E-07	7.99E-08	3.39E-08	3.99E-08	1.57E-08	7.99E-08	3.39E-08
5027	492363.09	3863377	2.63E-04	2.57E-04	2.54E-04	9.12E-08	2.75E-07	1.59E-07	1.56E-07	1.41E-07	6.43E-08	6.35E-08	3.05E-09	7.36E-08	1.62E-08	2.11E-08	3.35E-08	5.90E-09	4.19E-09	1.58E-07	8.31E-08	3.53E-08	4.15E-08	1.63E-08	8.31E-08	3.53E-08
5028	492863.09	3863377	2.57E-04	2.51E-04	2.48E-04	8.90E-08	2.69E-07	1.56E-07	1.52E-07	1.38E-07	6.28E-08	6.20E-08	2.97E-09	7.18E-08	1.58E-08	2.06E-08	3.27E-08	5.77E-09	4.09E-09	1.54E-07	8.12E-08	3.44E-08	4.05E-08	1.59E-08	8.12E-08	3.44E-08
5029	493363.09	3863377	2.46E-04	2.40E-04	2.37E-04	8.52E-08	2.57E-07	1.49E-07	1.45E-07	1.32E-07	6.01E-08	5.93E-08	2.84E-09	6.87E-08	1.52E-08	1.97E-08	3.13E-08	5.51E-09	3.91E-09	1.47E-07	7.76E-08	3.29E-08	3.88E-08	1.52E-08	7.76E-08	3.29E-08
5030	493863.09	3863377	2.62E-04	2.56E-04	2.52E-04	9.08E-08	2.74E-07	1.59E-07	1.55E-07	1.40E-07	6.40E-08	6.32E-08	3.03E-09	7.32E-08	1.62E-08	2.10E-08	3.33E-08	5.88E-09	4.17E-09	1.57E-07	8.28E-08	3.51E-08	4.13E-08	1.62E-08	8.28E-08	3.51E-08
5031	494363.09	3863377	2.92E-04	2.85E-04	2.82E-04	1.01E-07	3.06E-07	1.77E-07	1.73E-07	1.57E-07	7.14E-08	7.05E-08	3.38E-09	8.17E-08	1.80E-08	2.34E-08	3.72E-08	6.56E-09	4.65E-09	1.75E-07	9.23E-08	3.92E-08	4.61E-08	1.81E-08	9.23E-08	3.92E-08
5032	494863.09	3863377	2.97E-04	2.89E-04	2.86E-04	1.03E-07	3.10E-07	1.79E-07	1.75E-07	1.59E-07	7.24E-08	7.15E-08	3.43E-09	8.28E-08	1.83E-08	2.38E-08	3.77E-08	6.65E-09	4.72E-09	1.77E-07	9.36E-08	3.97E-08	4.67E-08	1.84E-08	9.36E-08	3.97E-08
5033	495363.09	3863377	2.91E-04	2.84E-04	2.80E-04	1.01E-07	3.04E-07	1.76E-07	1.72E-07	1.56E-07	7.10E-08	7.01E-08	3.36E-09	8.12E-08	1.79E-08	2.33E-08	3.70E-08	6.52E-09	4.62E-09	1.74E-07	9.18E-08	3.89E-08	4.58E-08	1.80E-08	9.18E-08	3.89E-08
5034	495863.09	3863377	2.95E-04	2.88E-04	2.84E-04	1.02E-07	3.09E-07	1.79E-07	1.74E-07	1.58E-07	7.21E-08	7.12E-08	3.41E-09	8.25E-08	1.82E-08	2.37E-08	3.76E-08	6.62E-09	4.70E-09	1.77E-07	9.32E-08	3.96E-08	4.65E-08	1.83E-08	9.32E-08	3.96E-08
5035	496363.09	3863377	4.14E-04	4.04E-04	3.98E-04	1.43E-07	4.32E-07	2.50E-07	2.44E-07	2.21E-07	1.01E-07	9.97E-08	4.78E-09	1.15E-07	2.55E-08	3.32E-08	5.26E-08	9.27E-09	6.57E-09	2.47E-07	1.31E-07	5.54E-08	6.52E-08	2.56E-08	1.31E-07	5.54E-08
5036	496863.09	3863377	4.28E-04	4.17E-04	4.12E-04	1.48E-07	4.47E-07	2.59E-07	2.53E-07	2.29E-07	1.04E-07	1.03E-07	4.94E-09	1.19E-07	2.64E-08	3.43E-08	5.44E-08	9.59E-09	6.80E-09	2.56E-07	1.35E-07	5.73E-08	6.74E-08	2.65E-08	1.35E-07	5.73E-08
5037	497363.09	3863377	4.22E-04	4.12E-04	4.06E-04	1.46E-07	4.41E-07	2.55E-07	2.49E-07	2.26E-07	1.03E-07	1.02E-07	4.88E-09	1.18E-07	2.60E-08	3.38E-08	5.37E-08	9.46E-09	6.71E-09	2.52E-07	1.33E-07	5.65E-08	6.65E-08	2.61E-08	1.33E-07	5.65E-08
5038	497863.09	3863377	4.09E-04	3.99E-04	3.94E-04	1.42E-07	4.28E-07	2.48E-07	2.42E-07	2.19E-07	9.99E-08	9.86E-08	4.73E-09	1.14E-07	2.52E-08	3.28E-08	5.20E-08	9.17E-09	6.50E-09	2.45E-07	1.29E-07	5.48E-08	6.44E-08	2.53E-08	1.29E-07	5.48E-08
5039	498363.09	3863377	4.06E-04	3.96E-04	3.91E-04	1.40E-07	4.24E-07	2.46E-07	2.40E-07	2.17E-07	9.91E-08	9.78E-08	4.69E-09	1.13E-07	2.50E-08	3.25E-08	5.16E-08	9.09E-09	6.45E-09	2.43E-07	1.28E-07	5.43E-08	6.39E-08	2.51E-08	1.28E-07	5.43E-08
5040	471363.09	3863877	7.55E-05	7.37E-05	7.27E-05	2.61E-08	7.89E-08	4.57E-08	4.46E-08	4.04E-08	1.84E-08	1.82E-08	8.73E-10	2.11E-08	4.65E-09	6.05E-09	9.60E-09	1.69E-09	1.20E-09	4.52E-08	2.38E-08	1.01E-08	1.19E-08	4.67E-09	2.38E-08	1.01E-08
5041	471863.09	3863877	7.72E-05	7.53E-05	7.43E-05	2.67E-08	8.07E-08	4.67E-08	4.56E-08	4.13E-08	1.88E-08	1.86E-08	8.92E-10	2.15E-08	4.75E-09	6.19E-09	9.81E-09	1.73E-09	1.23E-09	4.61E-08	2.44E-08	1.03E-08	1.22E-08	4.78E-09	2.44E-08	1.03E-08
5042	472363.09	3863877	7.80E-05	7.61E-05	7.51E-05	2.70E-08	8.15E-08	4.72E-08	4.61E-08	4.17E-08	1.90E-08	1.88E-08	9.02E-10	2.18E-08	4.81E-09	6.25E-09	9.92E-09	1.75E-09	1.24E-09	4.66E-08	2.46E-08	1.04E-08	1.23E-08	4.83E-09	2.46E-08	1.04E-08
5043	472863.09	3863877	7.97E-05	7.77E-05	7.67E-05	2.76E-08	8.33E-08	4.82E-08	4.70E-08	4.26E-08	1.95E-08	1.92E-08	9.21E-10	2.22E-08	4.91E-09	6.39E-09	1.01E-08	1.79E-09	1.27E-09	4.76E-08	2.51E-08	1.07E-08	1.25E-08	4.93E-09	2.51E-08	1.07E-08
5044	473363.09	3863877	8.09E-05	7.89E-05	7.79E-05	2.80E-08	8.46E-08	4.90E-08	4.78E-08	4.33E-08	1.98E-08	1.95E-08	9.35E-10	2.26E-08	4.98E-09	6.49E-09	1.03E-08	1.81E-09	1.29E-09	4.84E-08	2.55E-08	1.08E-08	1.27E-08	5.01E-09	2.55E-08	1.08E-08
5045	473863.09	3863877	8.26E-05	8.06E-05	7.95E-05	2.86E-08	8.63E-08	5.00E-08	4.87E-08	4.42E-08	2.02E-08	1.99E-08	9.54E-10	2.31E-08	5.09E-09	6.62E-09	1.05E-08	1.85E-09	1.31E-09	4.94E-08	2.61E-08	1.11E-08	1.30E-08	5.11E-09	2.61E-08	1.11E-08
5046	474363.09	3863877	8.34E-05	8.14E-05	8.03E-05	2.89E-08	8.72E-08	5.05E-08	4.92E-08	4.46E-08	2.04E-08	2.01E-08	9.64E-10	2.33E-08	5.14E-09	6.68E-09	1.06E-08	1.87E-09	1.33E-09	4.99E-08	2.63E-08	1.12E-08	1.31E-08	5.16E-09	2.63E-08	1.12E-08
5047	474863.09	3863877	8.51E-05	8.30E-05	8.19E-05	2.94E-08	8.89E-08	5.15E-08	5.02E-08	4.55E-08	2.08E-08	2.05E-08	9.83E-10	2.37E-08	5.24E-09	6.82E-09	1.08E-08	1.91E-09	1.35E-09	5.09E-08	2.68E-08	1.14E-08	1.34E-08	5.26E-09	2.68E-08	1.14E-08
5048	475363.09	3863877	8.67E-05	8.46E-05	8.35E-05	3.00E-08	9.06E-08	5.25E-08	5.12E-08	4.64E-08	2.12E-08	2.09E-08	1.00E-09	2.42E-08	5.34E-09	6.95E-09	1.10E-08	1.94E-09	1.38E-09	5.19E-08	2.74E-08	1.16E-08	1.37E-08	5.37E-09	2.74E-08	1.16E-08
5049	475863.09	3863877	8.84E-05	8.62E-05	8.51E-05	3.06E-08	9.24E-08	5.35E-08	5.22E-08	4.73E-08	2.16E-08	2.13E-08	1.02E-09	2.47E-08	5.44E-09	7.08E-09	1.12E-08	1.98E-09	1.40E-09	5.28E-08	2.79E-08	1.18E-08	1.39E-08	5.47E-09	2.79E-08	1.18E-08
5050	476363.09	3863877	9.00E-05	8.79E-05	8.67E-05	3.12E-08	9.41E-08	5.45E-08	5.32E-08	4.82E-08	2.20E-08	2.17E-08	1.04E-09	2.51E-08	5.55E-09	7.22E-09	1.14E-08	2.02E-09	1.43E-09	5.38E-08	2.84E-08	1.21E-08	1.42E-08	5.57E-09	2.84E-08	1.21E-08
5051	476863.09	3863877	9.17E-05	8.95E-05	8.83E-05	3.17E-08	9.58E-08	5.55E-08	5.41E-08	4.91E-08	2.24E-08	2.21E-08	1.06E-09	2.56E-08	5.65E-09	7.35E-09	1.17E-08	2.05E-09	1.46E-09	5.48E-08	2.89E-08	1.23E-08	1.44E-08	5.67E-09	2.89E-08	1.23E-08
5052	477363.09	3863877	9.29E-05	9.07E-05	8.95E-05	3.22E-08	9.71E-08	5.62E-08	5.49E-08	4.97E-08	2.27E-08	2.24E-08	1.07E-09	2.59E-08	5.73E-09	7.45E-09	1.18E-08	2.08E-09	1.48E-09	5.56E-08	2.93E-08	1.24E-08	1.46E-08	5.75E-09	2.93E-08	1.24E-08
5053	477863.09	3863877	9.42E-05	9.19E-05	9.07E-05	3.26E-08	9.84E-08	5.70E-08	5.56E-08	5.04E-08	2.30E-08	2.27E-08	1.09E-09	2.63E-08	5.80E-09	7.55E-09	1.20E-08	2.11E-09	1.50E-09	5.63E-08	2.97E-08	1.26E-08	1.48E-08	5.83E-09	2.97E-08	1.26E-08
5054	478363.09	3863877	9.25E-05	9.03E-05	8.91E-05	3.20E-08	9.67E-08	5.60E-08	5.46E-08	4.95E-08	2.26E-08	2.23E-08	1.07E-09	2.58E-08	5.70E-09	7.42E-09	1.18E-08	2.07E-09	1.47E-09	5.53E-08	2.92E-08	1.24E-08	1.46E-08	5.73E-09	2.92E-08	1.24E-08
5055	478863.09	3863877	9.75E-05	9.51E-05	9.39E-05	3.37E-08	1.02E-07	5.90E-08	5.76E-08	5.22E-08	2.38E-08	2.35E-08	1.13E-09	2.72E-08	6.01E-09	7.82E-09	1.24E-08	2.19E-09	1.55E-09	5.83E-08	3.08E-08	1.31E-08	1.54E-08	6.03E-09	3.08E-08	1.31E-08
5056	479363.09	3863877	1.00E-04	9.80E-05	9.67E-05	3.48E-08	1.05E-07	6.07E-08	5.93E-08	5.37E-08	2.45E-08	2.42E-08	1.16E-09	2.80E-08	6.19E-09	8.05E-09	1.28E-08	2.25E-09	1.60E-09	6.00E-08	3.17E-08	1.34E-08	1.58E-08	6.21E-09	3.17E-08	1.34E-08
5057	479863.09	3863877	1.04E-04	1.01E-04	9.99E-05	3.59E-08	1.08E-07	6.28E-08	6.12E-08	5.55E-08	2.53E-08	2.50E-08	1.20E-09	2.90E-08	6.39E-09	8.31E-09	1.32E-08	2.32E-09	1.65E-09	6.20E-08	3.27E-08	1.39E-08	1.63E-08	6.42E-09	3.27E-08	1.39E-08
5058	480363.09	3863877	1.06E-04	1.03E-04	1.02E-04	3.66E-08	1.11E-07	6.40E-08	6.25E-08	5.66E-08	2.58E-08	2.55E-08	1.22E-09	2.95E-08	6.52E-09	8.48E-09	1.35E-08	2.37E-09	1.68E-09	6.33E-08	3.34E-08	1.42E-08	1.67E-08	6.55E-09	3.34E-08	1.42E-08
5059	480863.09	3863877	1.09E-04	1.06E-04	1.05E-04	3.76E-08	1.14E-07	6.58E-08	6.42E-08	5.82E-08	2.65E-08	2.62E-08	1.26E-09	3.04E-08	6.70E-09	8.71E-09	1.38E-08	2.44E-09	1.73E-09	6.50E-08	3.43E-08	1.46E-08	1.71E-08	6.73E-09	3.43E-08	1.46E-08
5060	481363.09	3863877	1.12E-04	1.09E-04	1.07E-04	3.86E-08	1.17E-07	6.75E-08	6.59E-08	5.97E-08	2.73E-08	2.69E-08	1.29E-09	3.12E-08	6.88E-09	8.95E-09	1.42E-08	2.50E-09	1.77E-09	6.67E-08	3.52E-08	1.49E-08	1.76E-08	6.91E-09	3.52E-08	1.49E-08
5061	481863.09	3863877	1.15E-04	1.12E-04	1.11E-04	3.98E-08	1.20E-07	6.95E-08	6.79E-08	6.15E-08	2.81E-08	2.77E-08	1.33E-09	3.21E-08	7.08E-09	9.21E-09	1.46E-08	2.58E-09	1.83E-09	6.87E-08	3.63E-08	1.54E-08	1.81E-08	7.11E-09	3.63E-08	1.54E-08
5062	482363.09	3863877	1.17E-04	1.15E-04	1.13E-04	4.06E-08	1.23E-07	7.10E-08	6.93E-08	6.28E-08	2.87E-08	2.83E-08	1.36E-09	3.28E-08	7.23E-09	9.41E-09	1.49E-08	2.63E-09	1.87E-09	7.02E-08	3.71E-08	1.57E-08	1.85E-08	7.27E-09	3.71E-08	1.57E-08
5063	482863.09	3863877	1.20E-04	1.17E-04	1.15E-04	4.15E-08	1.25E-07	7.25E-08	7.08E-08	6.42E-08	2.93E-08	2.89E-08	1.39E-09	3.35E-08	7.39E-09	9.61E-09	1.52E-08	2.69E-09	1.91E-09	7.17E-08	3.78E-08	1.61E-08	1.89E-08	7.42E-09	3.78E-08	1.61E-08
5064	483363.09	3863877	1.23E-04	1.20E-04	1.18E-04	4.25E-08	1.28E-07	7.43E-08	7.25E-08	6.57E-08	3.00E-08	2.96E-08	1.42E-09	3.43E-08	7.57E-09	9.84E-09	1.56E-08	2.75E-09	1.95E-09	7.34E-08	3.88E-08	1.64E-08	1.93E-08	7.60E-09	3.88E-08	1.64E-08
5065	483863.09	3863877	1.25E-04	1.22E-04	1.21E-04	4.34E-08	1.31E-07	7.58E-08	7.40E-08	6.71E-08	3.06E-08	3.02E-08	1.45E-09	3.50E-08	7.72E-09	1.00E-08	1.59E-08	2.81E-09	1.99E-09	7.49E-08	3.95E-08	1.68E-08	1.97E-08	7.75E-09	3.95E-08	1.68E-08
5066	484363.09	3863877	1.29E-04	1.26E-04	1.24E-04	4.45E-08	1.34E-07	7.78E-08	7.59E-08	6.88E-08	3.14E-08	3.10E-08	1.49E-09	3.59E-08	7.92E-09	1.03E-08	1.64E-08	2.88E-09	2.04E-09	7.69E-08	4.06E-08	1.72E-08	2.03E-08	7.96E-09	4.06E-08	1.72E-08
5067	484863.09	3863877	1.32E-04	1.29E-04	1.27E-04	4.58E-08	1.38E-07	8.01E-08	7.81E-08	7.08E-08	3.23E-08	3.19E-08	1.53E-09	3.70E-08	8.15E-09	1.06E-08	1.68E-08	2.97E-09	2.10E-09	7.91E-08	4.18E-08	1.77E-08	2.08E-08	8.19E-09	4.18E-08	1.77E-08
5068	485363.09	3863877	1.36E-04	1.32E-04	1.31E-04	4.70E-08	1.42E-07	8.21E-08	8.01E-08	7.26E-08	3.31E-08	3.27E-08	1.57E-09	3.79E-08	8.36E-09	1.09E-08	1.73E-08	3.04E-09	2.16E-09	8.11E-08	4.28E-08	1.82E-08	2.14E-08	8.40E-09	4.28E-08	1.82E-08
5069	485863.09	3863877	1.39E-04	1.36E-04	1.34E-04	4.81E-08	1.45E-07	8.41E-08	8.21E-08	7.44E-08	3.39E-08	3.35E-08	1.61E-09	3.88E-08	8.56E-09	1.11E-08	1.77E-08	3.11E-09	2.21E-09	8.31E-08	4.39E-08	1.86E-08	2.19E-08	8.60E-09	4.39E-08	1.86E-08
5070	486363.09	3863877	1.42E-04	1.39E-04	1.37E-04	4.93E-08	1.49E-07	8.61E-08	8.40E-08	7.62E-08	3.48E-08	3.43E-08	1.64E-09	3.97E-08	8.77E-09	1.14E-08	1.81E-08	3.19E-09	2.26E-09	8.51E-08	4.49E-08	1.91E-08	2.24E-08	8.81E-09	4.49E-08	1.91E-08
5071	486863.09	3863877	1.46E-04	1.43E-04	1.41E-04	5.07E-08	1.53E-07	8.86E-08	8.65E-08	7.84E-08	3.58E-08	3.53E-08	1.69E-09	4.09E-08	9.02E-09	1.17E-08	1.86E-08	3.28E-09	2.33E-09	8.76E-08	4.62E-08	1.96E-08	2.31E-08	9.06E-09	4.62E-08	1.96E-08
5072	487363.09	3863877	1.51E-04	1.48E-04	1.46E-04	5.24E-08	1.58E-07	9.16E-08	8.94E-08	8.10E-08	3.70E-08	3.65E-08	1.75E-09	4.23E-08	9.33E-09	1.21E-08	1.93E-08	3.39E-09	2.41E-09	9.06E-08	4.78E-08	2.03E-08	2.39E-08	9.37E-09	4.78E-08	2.03E-08
5073	487863.09	3863877	1.58E-04	1.54E-04	1.52E-04	5.46E-08	1.65E-07	9.54E-08	9.31E-08	8.44E-08	3.85E-08	3.80E-08	1.82E-09	4.40E-08	9.71E-09	1.26E-08	2.00E-08	3.53E-09	2.51E-09	9.43E-08	4.98E-08	2.11E-08	2.48E-08	9.76E-09	4.98E-08	2.11E-08
5074	488363.09	3863877	1.64E-04	1.60E-04	1.58E-04	5.67E-08	1.71E-07	9.92E-08	9.68E-08	8.77E-08	4.00E-08	3.95E-08	1.89E-09	4.58E-08	1.01E-08	1.31E-08	2.08E-08	3.67E-09	2.60E-09	9.80E-08	5.17E-08	2.19E-08	2.58E-08	1.01E-08	5.17E-08	2.19E-08
5075	488863.09	3863877	1.70E-04	1.66E-04	1.64E-04	5.89E-08	1.78E-07	1.03E-07	1.00E-07	9.10E-08	4.15E-08	4.10E-08	1.97E-09	4.75E-08	1.05E-08	1.36E-08	2.16E-08	3.81E-09	2.70E-09	1.02E-07	5.37E-08	2.28E-08	2.68E-08	1.05E-08	5.37E-08	2.28E-08
5076	489363.09	3863877	1.77E-04	1.73E-04	1.71E-04	6.13E-08	1.85E-07	1.07E-07	1.05E-07	9.48E-08	4.33E-08	4.27E-08	2.05E-09	4.95E-08	1.09E-08	1.42E-08	2.25E-08	3.97E-09	2.82E-09	1.06E-07	5.59E-08	2.37E-08	2.79E-08	1.10E-08	5.59E-08	2.37E-08
5077	489863.09	3863877	1.84E-04	1.79E-04	1.77E-04	6.36E-08	1.92E-07	1.11E-07	1.09E-07	9.84E-08	4.49E-08	4.43E-08	2.12E-09	5.13E-08	1.13E-08	1.47E-08	2.34E-08	4.12E-09	2.92E-09	1.10E-07	5.80E-08	2.46E-08	2.90E-08	1.14E-08	5.80E-08	2.46E-08
5078	490363.09	3863877	1.91E-04	1.86E-04	1.84E-04	6.61E-08	1.99E-07	1.15E-07	1.13E-07	1.02E-07	4.66E-08	4.60E-08	2.21E-09	5.33E-08	1.18E-08	1.53E-08	2.43E-08	4.28E-09	3.03E-09	1.14E-07	6.02E-08	2.56E-08	3.01E-08	1.18E-08	6.02E-08	2.56E-08
5079	490863.09	3863877	1.97E-04	1.93E-04	1.90E-04	6.84E-08	2.06E-07	1.19E-07	1.17E-07	1.06E-07	4.82E-08	4.76E-08	2.28E-09	5.51E-08	1.22E-08	1.58E-08	2.51E-08	4.43E-09	3.14E-09	1.18E-07	6.23E-08	2.64E-08	3.11E-08	1.22E-08	6.23E-08	2.64E-08
5080	491363.09	3863877	2.04E-04	1.99E-04	1.96E-04	7.05E-08	2.13E-07	1.23E-07	1.20E-07	1.09E-07	4.97E-08	4.91E-08	2.35E-09	5.69E-08	1.26E-08	1.63E-08	2.59E-08	4.57E-09	3.24E-09	1.22E-07	6.43E-08	2.73E-08	3.21E-08	1.26E-08	6.43E-08	2.73E-08
5081	491863.09	3863877	2.02E-04	1.98E-04	1.95E-04	7.01E-08	2.12E-07	1.23E-07	1.20E-07	1.08E-07	4.94E-08	4.88E-08	2.34E-09	5.65E-08	1.25E-08	1.62E-08	2.57E-08	4.54E-09	3.22E-09	1.21E-07	6.39E-08	2.71E-08	3.19E-08	1.25E-08	6.39E-08	2.71E-08
5082	492363.09	3863877	1.80E-04	1.76E-04	1.73E-04	6.23E-08	1.88E-07	1.09E-07	1.06E-07	9.64E-08	4.40E-08	4.34E-08	2.08E-09	5.03E-08	1.11E-08	1.44E-08	2.29E-08	4.04E-09	2.86E-09	1.08E-07	5.68E-08	2.41E-08	2.84E-08	1.11E-08	5.68E-08	2.41E-08
5083	492863.09	3863877	1.60E-04	1.56E-04	1.54E-04	5.54E-08	1.67E-07	9.69E-08	9.46E-08	8.57E-08	3.91E-08	3.86E-08	1.85E-09	4.47E-08	9.87E-09	1.28E-08	2.04E-08	3.59E-09	2.55E-09	9.58E-08	5.05E-08	2.14E-08	2.52E-08	9.91E-09	5.05E-08	2.14E-08
5084	493363.09	3863877	1.65E-04	1.61E-04	1.59E-04	5.72E-08	1.73E-07	9.99E-08	9.75E-08	8.84E-08	4.03E-08	3.98E-08	1.91E-09	4.61E-08	1.02E-08	1.32E-08	2.10E-08	3.70E-09	2.62E-09	9.87E-08	5.21E-08	2.21E-08	2.60E-08	1.02E-08	5.21E-08	2.21E-08
5085	493863.09	3863877	1.78E-04	1.74E-04	1.71E-04	6.16E-08	1.86E-07	1.08E-07	1.05E-07	9.53E-08	4.35E-08	4.29E-08	2.06E-09	4.97E-08	1.10E-08	1.43E-08	2.26E-08	3.99E-09	2.83E-09	1.06E-07	5.62E-08	2.38E-08	2.80E-08	1.10E-08	5.62E-08	2.38E-08
5086	494363.09	3863877	1.94E-04	1.89E-04	1.87E-04	6.72E-08	2.03E-07	1.17E-07	1.15E-07	1.04E-07	4.74E-08	4.68E-08	2.24E-09	5.42E-08	1.20E-08	1.56E-08	2.47E-08	4.35E-09	3.09E-09	1.16E-07	6.13E-08	2.60E-08	3.06E-08	1.20E-08	6.13E-08	2.60E-08
5087	494863.09	3863877	2.00E-04	1.95E-04	1.92E-04	6.91E-08	2.09E-07	1.21E-07	1.18E-07	1.07E-07	4.87E-08	4.81E-08	2.31E-09	5.57E-08	1.23E-08	1.60E-08	2.54E-08	4.47E-09	3.17E-09	1.19E-07	6.30E-08	2.67E-08	3.14E-08	1.24E-08	6.30E-08	2.67E-08
5088	495363.09	3863877	2.05E-04	2.00E-04	1.98E-04	7.11E-08	2.15E-07	1.24E-07	1.21E-07	1.10E-07	5.02E-08	4.95E-08	2.37E-09	5.73E-08	1.27E-08	1.65E-08	2.61E-08	4.60E-09	3.26E-09	1.23E-07	6.48E-08	2.75E-08	3.24E-08	1.27E-08	6.48E-08	2.75E-08
5089	495863.09	3863877	2.06E-04	2.01E-04	1.99E-04	7.14E-08	2.16E-07	1.25E-07	1.22E-07	1.10E-07	5.04E-08	4.97E-08	2.38E-09	5.76E-08	1.27E-08	1.65E-08	2.62E-08	4.62E-09	3.28E-09	1.23E-07	6.51E-08	2.76E-08	3.25E-08	1.28E-08	6.51E-08	2.76E-08
5090	496363.09	3863877	2.34E-04	2.28E-04	2.25E-04	8.09E-08	2.44E-07	1.41E-07	1.38E-07	1.25E-07	5.70E-08	5.63E-08	2.70E-09	6.52E-08	1.44E-08	1.87E-08	2.97E-08	5.24E-09	3.71E-09	1.40E-07	7.37E-08	3.13E-08	3.68E-08	1.45E-08	7.37E-08	3.13E-08
5091	496863.09	3863877	2.64E-04	2.57E-04	2.54E-04	9.13E-08	2.76E-07	1.60E-07	1.56E-07	1.41E-07	6.44E-08	6.36E-08	3.05E-09	7.37E-08	1.63E-08	2.12E-08	3.36E-08	5.91E-09	4.19E-09	1.58E-07	8.33E-08	3.53E-08	4.16E-08	1.63E-08	8.33E-08	3.53E-08
5092	497363.09	3863877	2.72E-04	2.65E-04	2.62E-04	9.41E-08	2.84E-07	1.64E-07	1.60E-07	1.45E-07	6.64E-08	6.55E-08	3.14E-09	7.59E-08	1.67E-08	2.18E-08	3.46E-08	6.09E-09	4.32E-09	1.63E-07	8.58E-08	3.64E-08	4.28E-08	1.68E-08	8.58E-08	3.64E-08
5093	497863.09	3863877	2.68E-04	2.61E-04	2.58E-04	9.26E-08	2.80E-07	1.62E-07	1.58E-07	1.43E-07	6.54E-08	6.45E-08	3.09E-09	7.47E-08	1.65E-08	2.15E-08	3.40E-08	6.00E-09	4.25E-09	1.60E-07	8.45E-08	3.58E-08	4.22E-08	1.66E-08	8.45E-08	3.58E-08
5094	498363.09	3863877	2.60E-04	2.53E-04	2.50E-04	8.99E-08	2.71E-07	1.57E-07	1.53E-07	1.39E-07	6.34E-08	6.26E-08	3.00E-09	7.25E-08	1.60E-08	2.08E-08	3.30E-08	5.82E-09	4.13E-09	1.55E-07	8.20E-08	3.48E-08	4.09E-08	1.61E-08	8.20E-08	3.48E-08
5095	471363.09	3864377	7.38E-05	7.21E-05	7.11E-05	2.56E-08	7.72E-08	4.47E-08	4.36E-08	3.95E-08	1.80E-08	1.78E-08	8.54E-10	2.06E-08	4.55E-09	5.92E-09	9.39E-09	1.66E-09	1.17E-09	4.42E-08	2.33E-08	9.89E-09	1.16E-08	4.57E-09	2.33E-08	9.89E-09
5096	471863.09	3864377	7.47E-05	7.29E-05	7.19E-05	2.59E-08	7.81E-08	4.52E-08	4.41E-08	4.00E-08	1.82E-08	1.80E-08	8.63E-10	2.09E-08	4.60E-09	5.99E-09	9.50E-09	1.67E-09	1.19E-09	4.47E-08	2.36E-08	1.00E-08	1.18E-08	4.62E-09	2.36E-08	1.00E-08
5097	472363.09	3864377	7.63E-05	7.45E-05	7.35E-05	2.64E-08	7.98E-08	4.62E-08	4.51E-08	4.09E-08	1.86E-08	1.84E-08	8.82E-10	2.13E-08	4.70E-09	6.12E-09	9.71E-09	1.71E-09	1.21E-09	4.57E-08	2.41E-08	1.02E-08	1.20E-08	4.72E-09	2.41E-08	1.02E-08
5098	472863.09	3864377	7.76E-05	7.57E-05	7.47E-05	2.69E-08	8.11E-08	4.69E-08	4.58E-08	4.15E-08	1.89E-08	1.87E-08	8.97E-10	2.17E-08	4.78E-09	6.22E-09	9.87E-09	1.74E-09	1.23E-09	4.64E-08	2.45E-08	1.04E-08	1.22E-08	4.80E-09	2.45E-08	1.04E-08
5099	473363.09	3864377	7.88E-05	7.69E-05	7.59E-05	2.73E-08	8.24E-08	4.77E-08	4.65E-08	4.22E-08	1.93E-08	1.90E-08	9.11E-10	2.20E-08	4.86E-09	6.32E-09	1.00E-08	1.77E-09	1.25E-09	4.71E-08	2.49E-08	1.06E-08	1.24E-08	4.88E-09	2.49E-08	1.06E-08

5100	473863.09	3864377	8.01E-05	7.81E-05	7.71E-05	2.77E-08	8.37E-08	4.84E-08	4.73E-08	4.29E-08	1.96E-08	1.93E-08	9.26E-10	2.24E-08	4.93E-09	6.42E-09	1.02E-08	1.79E-09	1.27E-09	4.79E-08	2.53E-08	1.07E-08	1.26E-08	4.96E-09	2.53E-08	1.07E-08
5101	474363.09	3864377	8.13E-05	7.93E-05	7.83E-05	2.81E-08	8.50E-08	4.92E-08	4.80E-08	4.35E-08	1.99E-08	1.96E-08	9.40E-10	2.27E-08	5.01E-09	6.52E-09	1.03E-08	1.82E-09	1.29E-09	4.86E-08	2.57E-08	1.09E-08	1.28E-08	5.03E-09	2.57E-08	1.09E-08
5102	474863.09	3864377	8.26E-05	8.06E-05	7.95E-05	2.86E-08	8.63E-08	5.00E-08	4.87E-08	4.42E-08	2.02E-08	1.99E-08	9.54E-10	2.31E-08	5.09E-09	6.62E-09	1.05E-08	1.85E-09	1.31E-09	4.94E-08	2.61E-08	1.11E-08	1.30E-08	5.11E-09	2.61E-08	1.11E-08
5103	475363.09	3864377	8.38E-05	8.18E-05	8.07E-05	2.90E-08	8.76E-08	5.07E-08	4.95E-08	4.49E-08	2.05E-08	2.02E-08	9.69E-10	2.34E-08	5.16E-09	6.72E-09	1.07E-08	1.88E-09	1.33E-09	5.01E-08	2.65E-08	1.12E-08	1.32E-08	5.19E-09	2.65E-08	1.12E-08
5104	475863.09	3864377	8.55E-05	8.34E-05	8.23E-05	2.96E-08	8.93E-08	5.17E-08	5.05E-08	4.57E-08	2.09E-08	2.06E-08	9.88E-10	2.39E-08	5.27E-09	6.85E-09	1.09E-08	1.92E-09	1.36E-09	5.11E-08	2.70E-08	1.14E-08	1.35E-08	5.29E-09	2.70E-08	1.14E-08
5105	476363.09	3864377	8.67E-05	8.46E-05	8.35E-05	3.00E-08	9.06E-08	5.25E-08	5.12E-08	4.64E-08	2.12E-08	2.09E-08	1.00E-09	2.42E-08	5.34E-09	6.95E-09	1.10E-08	1.94E-09	1.38E-09	5.19E-08	2.74E-08	1.16E-08	1.37E-08	5.37E-09	2.74E-08	1.16E-08
5106	476863.09	3864377	8.84E-05	8.62E-05	8.51E-05	3.06E-08	9.24E-08	5.35E-08	5.22E-08	4.73E-08	2.16E-08	2.13E-08	1.02E-09	2.47E-08	5.44E-09	7.08E-09	1.12E-08	1.98E-09	1.40E-09	5.28E-08	2.79E-08	1.18E-08	1.39E-08	5.47E-09	2.79E-08	1.18E-08
5107	477363.09	3864377	9.04E-05	8.83E-05	8.71E-05	3.13E-08	9.45E-08	5.47E-08	5.34E-08	4.84E-08	2.21E-08	2.18E-08	1.05E-09	2.53E-08	5.57E-09	7.25E-09	1.15E-08	2.03E-09	1.44E-09	5.41E-08	2.85E-08	1.21E-08	1.42E-08	5.60E-09	2.85E-08	1.21E-08
5108	477863.09	3864377	9.21E-05	8.99E-05	8.87E-05	3.19E-08	9.63E-08	5.57E-08	5.44E-08	4.93E-08	2.25E-08	2.22E-08	1.06E-09	2.57E-08	5.67E-09	7.38E-09	1.17E-08	2.06E-09	1.46E-09	5.51E-08	2.91E-08	1.23E-08	1.45E-08	5.70E-09	2.91E-08	1.23E-08
5109	478363.09	3864377	9.33E-05	9.11E-05	8.99E-05	3.23E-08	9.76E-08	5.65E-08	5.51E-08	5.00E-08	2.28E-08	2.25E-08	1.08E-09	2.61E-08	5.75E-09	7.48E-09	1.19E-08	2.09E-09	1.48E-09	5.58E-08	2.95E-08	1.25E-08	1.47E-08	5.78E-09	2.95E-08	1.25E-08
5110	478863.09	3864377	9.50E-05	9.27E-05	9.15E-05	3.29E-08	9.93E-08	5.75E-08	5.61E-08	5.09E-08	2.32E-08	2.29E-08	1.10E-09	2.65E-08	5.85E-09	7.62E-09	1.21E-08	2.13E-09	1.51E-09	5.68E-08	3.00E-08	1.27E-08	1.50E-08	5.88E-09	3.00E-08	1.27E-08
5111	479363.09	3864377	9.67E-05	9.43E-05	9.31E-05	3.35E-08	1.01E-07	5.85E-08	5.71E-08	5.17E-08	2.36E-08	2.33E-08	1.12E-09	2.70E-08	5.96E-09	7.75E-09	1.23E-08	2.17E-09	1.54E-09	5.78E-08	3.05E-08	1.29E-08	1.52E-08	5.98E-09	3.05E-08	1.29E-08
5112	479863.09	3864377	9.87E-05	9.64E-05	9.51E-05	3.42E-08	1.03E-07	5.97E-08	5.83E-08	5.28E-08	2.41E-08	2.38E-08	1.14E-09	2.76E-08	6.08E-09	7.92E-09	1.26E-08	2.21E-09	1.57E-09	5.91E-08	3.12E-08	1.32E-08	1.56E-08	6.11E-09	3.12E-08	1.32E-08
5113	480363.09	3864377	1.00E-04	9.80E-05	9.67E-05	3.48E-08	1.05E-07	6.07E-08	5.93E-08	5.37E-08	2.45E-08	2.42E-08	1.16E-09	2.80E-08	6.19E-09	8.05E-09	1.28E-08	2.25E-09	1.60E-09	6.00E-08	3.17E-08	1.34E-08	1.58E-08	6.21E-09	3.17E-08	1.34E-08
5114	480863.09	3864377	1.02E-04	1.00E-04	9.87E-05	3.55E-08	1.07E-07	6.20E-08	6.05E-08	5.48E-08	2.50E-08	2.47E-08	1.18E-09	2.86E-08	6.31E-09	8.21E-09	1.30E-08	2.30E-09	1.63E-09	6.13E-08	3.23E-08	1.37E-08	1.61E-08	6.34E-09	3.23E-08	1.37E-08
5115	481363.09	3864377	1.05E-04	1.03E-04	1.01E-04	3.65E-08	1.10E-07	6.38E-08	6.22E-08	5.64E-08	2.57E-08	2.54E-08	1.22E-09	2.94E-08	6.49E-09	8.45E-09	1.34E-08	2.36E-09	1.68E-09	6.30E-08	3.33E-08	1.41E-08	1.66E-08	6.52E-09	3.33E-08	1.41E-08
5116	481863.09	3864377	1.08E-04	1.06E-04	1.04E-04	3.75E-08	1.13E-07	6.55E-08	6.39E-08	5.80E-08	2.64E-08	2.61E-08	1.25E-09	3.02E-08	6.67E-09	8.68E-09	1.38E-08	2.43E-09	1.72E-09	6.48E-08	3.42E-08	1.45E-08	1.71E-08	6.70E-09	3.42E-08	1.45E-08
5117	482363.09	3864377	1.10E-04	1.08E-04	1.06E-04	3.82E-08	1.15E-07	6.68E-08	6.52E-08	5.91E-08	2.70E-08	2.66E-08	1.28E-09	3.08E-08	6.80E-09	8.85E-09	1.40E-08	2.47E-09	1.75E-09	6.60E-08	3.48E-08	1.48E-08	1.74E-08	6.83E-09	3.48E-08	1.48E-08
5118	482863.09	3864377	1.12E-04	1.10E-04	1.08E-04	3.89E-08	1.18E-07	6.80E-08	6.64E-08	6.02E-08	2.75E-08	2.71E-08	1.30E-09	3.14E-08	6.93E-09	9.01E-09	1.43E-08	2.52E-09	1.79E-09	6.72E-08	3.55E-08	1.51E-08	1.77E-08	6.96E-09	3.55E-08	1.51E-08
5119	483363.09	3864377	1.15E-04	1.12E-04	1.11E-04	3.98E-08	1.20E-07	6.95E-08	6.79E-08	6.15E-08	2.81E-08	2.77E-08	1.33E-09	3.21E-08	7.08E-09	9.21E-09	1.46E-08	2.58E-09	1.83E-09	6.87E-08	3.63E-08	1.54E-08	1.81E-08	7.11E-09	3.63E-08	1.54E-08
5120	483863.09	3864377	1.17E-04	1.15E-04	1.13E-04	4.06E-08	1.23E-07	7.10E-08	6.93E-08	6.28E-08	2.87E-08	2.83E-08	1.36E-09	3.28E-08	7.23E-09	9.41E-09	1.49E-08	2.63E-09	1.87E-09	7.02E-08	3.71E-08	1.57E-08	1.85E-08	7.27E-09	3.71E-08	1.57E-08
5121	484363.09	3864377	1.20E-04	1.17E-04	1.15E-04	4.15E-08	1.25E-07	7.25E-08	7.08E-08	6.42E-08	2.93E-08	2.89E-08	1.39E-09	3.35E-08	7.39E-09	9.61E-09	1.52E-08	2.69E-09	1.91E-09	7.17E-08	3.78E-08	1.61E-08	1.89E-08	7.42E-09	3.78E-08	1.61E-08
5122	484863.09	3864377	1.23E-04	1.20E-04	1.19E-04	4.27E-08	1.29E-07	7.46E-08	7.28E-08	6.60E-08	3.01E-08	2.97E-08	1.42E-09	3.44E-08	7.59E-09	9.88E-09	1.57E-08	2.76E-09	1.96E-09	7.37E-08	3.89E-08	1.65E-08	1.94E-08	7.63E-09	3.89E-08	1.65E-08
5123	485363.09	3864377	1.27E-04	1.23E-04	1.22E-04	4.38E-08	1.32E-07	7.66E-08	7.47E-08	6.77E-08	3.09E-08	3.05E-08	1.46E-09	3.53E-08	7.80E-09	1.01E-08	1.61E-08	2.84E-09	2.01E-09	7.57E-08	3.99E-08	1.69E-08	1.99E-08	7.83E-09	3.99E-08	1.69E-08
5124	485863.09	3864377	1.30E-04	1.27E-04	1.25E-04	4.50E-08	1.36E-07	7.86E-08	7.67E-08	6.95E-08	3.17E-08	3.13E-08	1.50E-09	3.63E-08	8.00E-09	1.04E-08	1.65E-08	2.91E-09	2.06E-09	7.77E-08	4.10E-08	1.74E-08	2.05E-08	8.04E-09	4.10E-08	1.74E-08
5125	486363.09	3864377	1.33E-04	1.30E-04	1.28E-04	4.60E-08	1.39E-07	8.03E-08	7.84E-08	7.11E-08	3.24E-08	3.20E-08	1.53E-09	3.71E-08	8.18E-09	1.06E-08	1.69E-08	2.98E-09	2.11E-09	7.94E-08	4.19E-08	1.78E-08	2.09E-08	8.22E-09	4.19E-08	1.78E-08
5126	486863.09	3864377	1.36E-04	1.33E-04	1.31E-04	4.71E-08	1.42E-07	8.23E-08	8.03E-08	7.28E-08	3.32E-08	3.28E-08	1.57E-09	3.80E-08	8.38E-09	1.09E-08	1.73E-08	3.05E-09	2.16E-09	8.14E-08	4.29E-08	1.82E-08	2.14E-08	8.42E-09	4.29E-08	1.82E-08
5127	487363.09	3864377	1.40E-04	1.36E-04	1.35E-04	4.84E-08	1.46E-07	8.46E-08	8.26E-08	7.48E-08	3.41E-08	3.37E-08	1.62E-09	3.90E-08	8.61E-09	1.12E-08	1.78E-08	3.13E-09	2.22E-09	8.36E-08	4.41E-08	1.87E-08	2.20E-08	8.65E-09	4.41E-08	1.87E-08
5128	487863.09	3864377	1.44E-04	1.40E-04	1.39E-04	4.98E-08	1.50E-07	8.71E-08	8.50E-08	7.71E-08	3.52E-08	3.47E-08	1.66E-09	4.02E-08	8.87E-09	1.15E-08	1.83E-08	3.23E-09	2.29E-09	8.61E-08	4.54E-08	1.93E-08	2.27E-08	8.91E-09	4.54E-08	1.93E-08
5129	488363.09	3864377	1.48E-04	1.45E-04	1.43E-04	5.13E-08	1.55E-07	8.96E-08	8.75E-08	7.93E-08	3.62E-08	3.57E-08	1.71E-09	4.14E-08	9.13E-09	1.19E-08	1.88E-08	3.32E-09	2.35E-09	8.86E-08	4.67E-08	1.98E-08	2.33E-08	9.17E-09	4.67E-08	1.98E-08
5130	488863.09	3864377	1.52E-04	1.49E-04	1.47E-04	5.27E-08	1.59E-07	9.21E-08	8.99E-08	8.15E-08	3.72E-08	3.67E-08	1.76E-09	4.25E-08	9.38E-09	1.22E-08	1.94E-08	3.41E-09	2.42E-09	9.11E-08	4.81E-08	2.04E-08	2.40E-08	9.42E-09	4.81E-08	2.04E-08
5131	489363.09	3864377	1.56E-04	1.52E-04	1.50E-04	5.40E-08	1.63E-07	9.44E-08	9.21E-08	8.35E-08	3.81E-08	3.76E-08	1.80E-09	4.36E-08	9.61E-09	1.25E-08	1.98E-08	3.50E-09	2.48E-09	9.33E-08	4.92E-08	2.09E-08	2.46E-08	9.65E-09	4.92E-08	2.09E-08
5132	489863.09	3864377	1.60E-04	1.56E-04	1.54E-04	5.54E-08	1.67E-07	9.69E-08	9.46E-08	8.57E-08	3.91E-08	3.86E-08	1.85E-09	4.47E-08	9.87E-09	1.28E-08	2.04E-08	3.59E-09	2.55E-09	9.58E-08	5.05E-08	2.14E-08	2.52E-08	9.91E-09	5.05E-08	2.14E-08
5133	490363.09	3864377	1.65E-04	1.61E-04	1.59E-04	5.70E-08	1.72E-07	9.97E-08	9.72E-08	8.82E-08	4.02E-08	3.97E-08	1.90E-09	4.60E-08	1.01E-08	1.32E-08	2.09E-08	3.69E-09	2.62E-09	9.85E-08	5.20E-08	2.21E-08	2.59E-08	1.02E-08	5.20E-08	2.21E-08
5134	490863.09	3864377	1.69E-04	1.65E-04	1.63E-04	5.85E-08	1.76E-07	1.02E-07	9.97E-08	9.04E-08	4.12E-08	4.07E-08	1.95E-09	4.71E-08	1.04E-08	1.35E-08	2.15E-08	3.78E-09	2.68E-09	1.01E-07	5.33E-08	2.26E-08	2.66E-08	1.05E-08	5.33E-08	2.26E-08
5135	491363.09	3864377	1.61E-04	1.57E-04	1.55E-04	5.59E-08	1.69E-07	9.77E-08	9.53E-08	8.64E-08	3.94E-08	3.89E-08	1.87E-09	4.51E-08	9.94E-09	1.29E-08	2.05E-08	3.62E-09	2.57E-09	9.65E-08	5.09E-08	2.16E-08	2.54E-08	9.99E-09	5.09E-08	2.16E-08
5136	491863.09	3864377	9.75E-05	9.51E-05	9.39E-05	3.37E-08	1.02E-07	5.90E-08	5.76E-08	5.22E-08	2.38E-08	2.35E-08	1.13E-09	2.72E-08	6.01E-09	7.82E-09	1.24E-08	2.19E-09	1.55E-09	5.83E-08	3.08E-08	1.31E-08	1.54E-08	6.03E-09	3.08E-08	1.31E-08
5137	492363.09	3864377	1.22E-04	1.19E-04	1.18E-04	4.24E-08	1.28E-07	7.41E-08	7.23E-08	6.55E-08	2.99E-08	2.95E-08	1.41E-09	3.42E-08	7.54E-09	9.81E-09	1.56E-08	2.74E-09	1.95E-09	7.32E-08	3.86E-08	1.64E-08	1.93E-08	7.57E-09	3.86E-08	1.64E-08
5138	492863.09	3864377	1.01E-04	9.88E-05	9.75E-05	3.50E-08	1.06E-07	6.13E-08	5.98E-08	5.42E-08	2.47E-08	2.44E-08	1.17E-09	2.83E-08	6.24E-09	8.12E-09	1.29E-08	2.27E-09	1.61E-09	6.05E-08	3.19E-08	1.36E-08	1.59E-08	6.26E-09	3.19E-08	1.36E-08
5139	493363.09	3864377	1.15E-04	1.12E-04	1.11E-04	3.98E-08	1.20E-07	6.95E-08	6.79E-08	6.15E-08	2.81E-08	2.77E-08	1.33E-09	3.21E-08	7.08E-09	9.21E-09	1.46E-08	2.58E-09	1.83E-09	6.87E-08	3.63E-08	1.54E-08	1.81E-08	7.11E-09	3.63E-08	1.54E-08
5140	493863.09	3864377	1.32E-04	1.28E-04	1.27E-04	4.55E-08	1.37E-07	7.96E-08	7.77E-08	7.04E-08	3.21E-08	3.17E-08	1.52E-09	3.67E-08	8.10E-09	1.05E-08	1.67E-08	2.95E-09	2.09E-09	7.87E-08	4.15E-08	1.76E-08	2.07E-08	8.14E-09	4.15E-08	1.76E-08
5141	494363.09	3864377	1.45E-04	1.42E-04	1.40E-04	5.03E-08	1.52E-07	8.79E-08	8.57E-08	7.77E-08	3.55E-08	3.50E-08	1.68E-09	4.05E-08	8.95E-09	1.16E-08	1.85E-08	3.25E-09	2.31E-09	8.68E-08	4.58E-08	1.94E-08	2.29E-08	8.99E-09	4.58E-08	1.94E-08
5142	494863.09	3864377	1.58E-04	1.54E-04	1.52E-04	5.46E-08	1.65E-07	9.54E-08	9.31E-08	8.44E-08	3.85E-08	3.80E-08	1.82E-09	4.40E-08	9.71E-09	1.26E-08	2.00E-08	3.53E-09	2.51E-09	9.43E-08	4.98E-08	2.11E-08	2.48E-08	9.76E-09	4.98E-08	2.11E-08
5143	495363.09	3864377	1.59E-04	1.55E-04	1.53E-04	5.50E-08	1.66E-07	9.61E-08	9.38E-08	8.50E-08	3.88E-08	3.83E-08	1.84E-09	4.44E-08	9.79E-09	1.27E-08	2.02E-08	3.56E-09	2.53E-09	9.50E-08	5.02E-08	2.13E-08	2.50E-08	9.83E-09	5.02E-08	2.13E-08
5144	495863.09	3864377	1.59E-04	1.55E-04	1.53E-04	5.51E-08	1.67E-07	9.64E-08	9.41E-08	8.53E-08	3.89E-08	3.84E-08	1.84E-09	4.45E-08	9.82E-09	1.28E-08	2.03E-08	3.57E-09	2.53E-09	9.53E-08	5.03E-08	2.13E-08	2.51E-08	9.86E-09	5.03E-08	2.13E-08
5145	496363.09	3864377	1.67E-04	1.63E-04	1.61E-04	5.79E-08	1.75E-07	1.01E-07	9.87E-08	8.95E-08	4.08E-08	4.03E-08	1.93E-09	4.67E-08	1.03E-08	1.34E-08	2.13E-08	3.75E-09	2.66E-09	1.00E-07	5.28E-08	2.24E-08	2.63E-08	1.03E-08	5.28E-08	2.24E-08
5146	496863.09	3864377	1.72E-04	1.68E-04	1.65E-04	5.95E-08	1.80E-07	1.04E-07	1.01E-07	9.19E-08	4.19E-08	4.14E-08	1.99E-09	4.80E-08	1.06E-08	1.38E-08	2.18E-08	3.85E-09	2.73E-09	1.03E-07	5.42E-08	2.30E-08	2.71E-08	1.06E-08	5.42E-08	2.30E-08
5147	497363.09	3864377	1.87E-04	1.83E-04	1.80E-04	6.48E-08	1.96E-07	1.13E-07	1.10E-07	1.00E-07	4.57E-08	4.51E-08	2.16E-09	5.22E-08	1.15E-08	1.50E-08	2.38E-08	4.19E-09	2.97E-09	1.12E-07	5.91E-08	2.51E-08	2.95E-08	1.16E-08	5.91E-08	2.51E-08
5148	497863.09	3864377	1.90E-04	1.85E-04	1.83E-04	6.58E-08	1.99E-07	1.15E-07	1.12E-07	1.02E-07	4.64E-08	4.58E-08	2.20E-09	5.31E-08	1.17E-08	1.52E-08	2.42E-08	4.26E-09	3.02E-09	1.14E-07	6.00E-08	2.54E-08	2.99E-08	1.18E-08	6.00E-08	2.54E-08
5149	498363.09	3864377	2.01E-04	1.96E-04	1.94E-04	6.97E-08	2.10E-07	1.22E-07	1.19E-07	1.08E-07	4.91E-08	4.85E-08	2.33E-09	5.62E-08	1.24E-08	1.61E-08	2.56E-08	4.51E-09	3.20E-09	1.20E-07	6.35E-08	2.69E-08	3.17E-08	1.25E-08	6.35E-08	2.69E-08
5150	471363.09	3864877	7.18E-05	7.00E-05	6.91E-05	2.48E-08	7.50E-08	4.34E-08	4.24E-08	3.84E-08	1.75E-08	1.73E-08	8.30E-10	2.00E-08	4.42E-09	5.75E-09	9.13E-09	1.61E-09	1.14E-09	4.29E-08	2.27E-08	9.61E-09	1.13E-08	4.44E-09	2.27E-08	9.61E-09
5151	471863.09	3864877	7.30E-05	7.13E-05	7.03E-05	2.53E-08	7.63E-08	4.42E-08	4.31E-08	3.91E-08	1.78E-08	1.76E-08	8.44E-10	2.04E-08	4.50E-09	5.85E-09	9.29E-09	1.64E-09	1.16E-09	4.37E-08	2.30E-08	9.78E-09	1.15E-08	4.52E-09	2.30E-08	9.78E-09
5152	472363.09	3864877	7.38E-05	7.21E-05	7.11E-05	2.56E-08	7.72E-08	4.47E-08	4.36E-08	3.95E-08	1.80E-08	1.78E-08	8.54E-10	2.06E-08	4.55E-09	5.92E-09	9.39E-09	1.66E-09	1.17E-09	4.42E-08	2.33E-08	9.89E-09	1.16E-08	4.57E-09	2.33E-08	9.89E-09
5153	472863.09	3864877	7.55E-05	7.37E-05	7.27E-05	2.61E-08	7.89E-08	4.57E-08	4.46E-08	4.04E-08	1.84E-08	1.82E-08	8.73E-10	2.11E-08	4.65E-09	6.05E-09	9.60E-09	1.69E-09	1.20E-09	4.52E-08	2.38E-08	1.01E-08	1.19E-08	4.67E-09	2.38E-08	1.01E-08
5154	473363.09	3864877	7.63E-05	7.45E-05	7.35E-05	2.64E-08	7.98E-08	4.62E-08	4.51E-08	4.09E-08	1.86E-08	1.84E-08	8.82E-10	2.13E-08	4.70E-09	6.12E-09	9.71E-09	1.71E-09	1.21E-09	4.57E-08	2.41E-08	1.02E-08	1.20E-08	4.72E-09	2.41E-08	1.02E-08
5155	473863.09	3864877	7.76E-05	7.57E-05	7.47E-05	2.69E-08	8.11E-08	4.69E-08	4.58E-08	4.15E-08	1.89E-08	1.87E-08	8.97E-10	2.17E-08	4.78E-09	6.22E-09	9.87E-09	1.74E-09	1.23E-09	4.64E-08	2.45E-08	1.04E-08	1.22E-08	4.80E-09	2.45E-08	1.04E-08
5156	474363.09	3864877	7.84E-05	7.65E-05	7.55E-05	2.71E-08	8.20E-08	4.74E-08	4.63E-08	4.20E-08	1.91E-08	1.89E-08	9.06E-10	2.19E-08	4.83E-09	6.29E-09	9.97E-09	1.76E-09	1.25E-09	4.69E-08	2.47E-08	1.05E-08	1.24E-08	4.85E-09	2.47E-08	1.05E-08
5157	474863.09	3864877	7.97E-05	7.77E-05	7.67E-05	2.76E-08	8.33E-08	4.82E-08	4.70E-08	4.26E-08	1.95E-08	1.92E-08	9.21E-10	2.22E-08	4.91E-09	6.39E-09	1.01E-08	1.79E-09	1.27E-09	4.76E-08	2.51E-08	1.07E-08	1.25E-08	4.93E-09	2.51E-08	1.07E-08
5158	475363.09	3864877	8.09E-05	7.89E-05	7.79E-05	2.80E-08	8.46E-08	4.90E-08	4.78E-08	4.33E-08	1.98E-08	1.95E-08	9.35E-10	2.26E-08	4.98E-09	6.49E-09	1.03E-08	1.81E-09	1.29E-09	4.84E-08	2.55E-08	1.08E-08	1.27E-08	5.01E-09	2.55E-08	1.08E-08
5159	475863.09	3864877	8.26E-05	8.06E-05	7.95E-05	2.86E-08	8.63E-08	5.00E-08	4.87E-08	4.42E-08	2.02E-08	1.99E-08	9.54E-10	2.31E-08	5.09E-09	6.62E-09	1.05E-08	1.85E-09	1.31E-09	4.94E-08	2.61E-08	1.11E-08	1.30E-08	5.11E-09	2.61E-08	1.11E-08
5160	476363.09	3864877	8.38E-05	8.18E-05	8.07E-05	2.90E-08	8.76E-08	5.07E-08	4.95E-08	4.49E-08	2.05E-08	2.02E-08	9.69E-10	2.34E-08	5.16E-09	6.72E-09	1.07E-08	1.88E-09	1.33E-09	5.01E-08	2.65E-08	1.12E-08	1.32E-08	5.19E-09	2.65E-08	1.12E-08
5161	476863.09	3864877	8.51E-05	8.30E-05	8.19E-05	2.94E-08	8.89E-08	5.15E-08	5.02E-08	4.55E-08	2.08E-08	2.05E-08	9.83E-10	2.37E-08	5.24E-09	6.82E-09	1.08E-08	1.91E-09	1.35E-09	5.09E-08	2.68E-08	1.14E-08	1.34E-08	5.26E-09	2.68E-08	1.14E-08
5162	477363.09	3864877	8.67E-05	8.46E-05	8.35E-05	3.00E-08	9.06E-08	5.25E-08	5.12E-08	4.64E-08	2.12E-08	2.09E-08	1.00E-09	2.42E-08	5.34E-09	6.95E-09	1.10E-08	1.94E-09	1.38E-09	5.19E-08	2.74E-08	1.16E-08	1.37E-08	5.37E-09	2.74E-08	1.16E-08
5163	477863.09	3864877	8.80E-05	8.58E-05	8.47E-05	3.04E-08	9.19E-08	5.32E-08	5.19E-08	4.71E-08	2.15E-08	2.12E-08	1.02E-09	2.46E-08	5.42E-09	7.05E-09	1.12E-08	1.97E-09	1.40E-09	5.26E-08	2.78E-08	1.18E-08	1.39E-08	5.44E-09	2.78E-08	1.18E-08
5164	478363.09	3864877	8.92E-05	8.70E-05	8.59E-05	3.09E-08	9.32E-08	5.40E-08	5.27E-08	4.77E-08	2.18E-08	2.15E-08	1.03E-09	2.49E-08	5.50E-09	7.15E-09	1.13E-08	2.00E-09	1.42E-09	5.33E-08	2.82E-08	1.19E-08	1.41E-08	5.52E-09	2.82E-08	1.19E-08
5165	478863.09	3864877	9.09E-05	8.87E-05	8.75E-05	3.15E-08	9.50E-08	5.50E-08	5.36E-08	4.86E-08	2.22E-08	2.19E-08	1.05E-09	2.54E-08	5.60E-09	7.28E-09	1.16E-08	2.04E-09	1.44E-09	5.43E-08	2.87E-08	1.22E-08	1.43E-08	5.62E-09	2.87E-08	1.22E-08
5166	479363.09	3864877	9.25E-05	9.03E-05	8.91E-05	3.20E-08	9.67E-08	5.60E-08	5.46E-08	4.95E-08	2.26E-08	2.23E-08	1.07E-09	2.58E-08	5.70E-09	7.42E-09	1.18E-08	2.07E-09	1.47E-09	5.53E-08	2.92E-08	1.24E-08	1.46E-08	5.73E-09	2.92E-08	1.24E-08
5167	479863.09	3864877	9.42E-05	9.19E-05	9.07E-05	3.26E-08	9.84E-08	5.70E-08	5.56E-08	5.04E-08	2.30E-08	2.27E-08	1.09E-09	2.63E-08	5.80E-09	7.55E-09	1.20E-08	2.11E-09	1.50E-09	5.63E-08	2.97E-08	1.26E-08	1.48E-08	5.83E-09	2.97E-08	1.26E-08
5168	480363.09	3864877	9.58E-05	9.35E-05	9.23E-05	3.32E-08	1.00E-07	5.80E-08	5.66E-08	5.13E-08	2.34E-08	2.31E-08	1.11E-09	2.68E-08	5.90E-09	7.68E-09	1.22E-08	2.15E-09	1.52E-09	5.73E-08	3.02E-08	1.28E-08	1.51E-08	5.93E-09	3.02E-08	1.28E-08
5169	480863.09	3864877	9.75E-05	9.51E-05	9.39E-05	3.37E-08	1.02E-07	5.90E-08	5.76E-08	5.22E-08	2.38E-08	2.35E-08	1.13E-09	2.72E-08	6.01E-09	7.82E-09	1.24E-08	2.19E-09	1.55E-09	5.83E-08	3.08E-08	1.31E-08	1.54E-08	6.03E-09	3.08E-08	1.31E-08
5170	481363.09	3864877	1.00E-04	9.80E-05	9.67E-05	3.48E-08	1.05E-07	6.07E-08	5.93E-08	5.37E-08	2.45E-08	2.42E-08	1.16E-09	2.80E-08	6.19E-09	8.05E-09	1.28E-08	2.25E-09	1.60E-09	6.00E-08	3.17E-08	1.34E-08	1.58E-08	6.21E-09	3.17E-08	1.34E-08
5171	481863.09	3864877	1.03E-04	1.00E-04	9.91E-05	3.56E-08	1.08E-07	6.23E-08	6.07E-08	5.51E-08	2.51E-08	2.48E-08	1.19E-09	2.87E-08	6.34E-09	8.25E-09	1.31E-08	2.31E-09	1.64E-09	6.15E-08	3.25E-08	1.38E-08	1.62E-08	6.37E-09	3.25E-08	1.38E-08
5172	482363.09	3864877	1.05E-04	1.02E-04	1.01E-04	3.62E-08	1.09E-07	6.33E-08	6.17E-08	5.60E-08	2.55E-08	2.52E-08	1.21E-09	2.92E-08	6.44E-09	8.38E-09	1.33E-08	2.34E-09	1.66E-09	6.25E-08	3.30E-08	1.40E-08	1.65E-08	6.47E-09	3.30E-08	1.40E-08
5173	482863.09	3864877	1.07E-04	1.04E-04	1.03E-04	3.69E-08	1.11E-07	6.45E-08	6.30E-08	5.71E-08	2.60E-08	2.57E-08	1.23E-09	2.98E-08	6.57E-09	8.55E-09	1.36E-08	2.39E-09	1.69E-09	6.38E-08	3.37E-08	1.43E-08	1.68E-08	6.60E-09	3.37E-08	1.43E-08

5174	483363.09	3864877	1.09E-04	1.06E-04	1.05E-04	3.76E-08	1.14E-07	6.58E-08	6.42E-08	5.82E-08	2.65E-08	2.62E-08	1.26E-09	3.04E-08	6.70E-09	8.71E-09	1.38E-08	2.44E-09	1.73E-09	6.50E-08	3.43E-08	1.46E-08	1.71E-08	6.73E-09	3.43E-08	1.46E-08
5175	483863.09	3864877	1.11E-04	1.08E-04	1.07E-04	3.83E-08	1.16E-07	6.70E-08	6.54E-08	5.93E-08	2.71E-08	2.67E-08	1.28E-09	3.09E-08	6.83E-09	8.88E-09	1.41E-08	2.48E-09	1.76E-09	6.62E-08	3.50E-08	1.48E-08	1.75E-08	6.86E-09	3.50E-08	1.48E-08
5176	484363.09	3864877	1.13E-04	1.10E-04	1.09E-04	3.91E-08	1.18E-07	6.83E-08	6.66E-08	6.04E-08	2.76E-08	2.72E-08	1.30E-09	3.15E-08	6.95E-09	9.05E-09	1.44E-08	2.53E-09	1.79E-09	6.75E-08	3.56E-08	1.51E-08	1.78E-08	6.98E-09	3.56E-08	1.51E-08
5177	484863.09	3864877	1.15E-04	1.13E-04	1.11E-04	3.99E-08	1.21E-07	6.98E-08	6.81E-08	6.17E-08	2.82E-08	2.78E-08	1.33E-09	3.22E-08	7.11E-09	9.25E-09	1.47E-08	2.58E-09	1.83E-09	6.90E-08	3.64E-08	1.54E-08	1.82E-08	7.14E-09	3.64E-08	1.54E-08
5178	485363.09	3864877	1.18E-04	1.15E-04	1.14E-04	4.09E-08	1.24E-07	7.15E-08	6.98E-08	6.33E-08	2.89E-08	2.85E-08	1.37E-09	3.30E-08	7.29E-09	9.48E-09	1.50E-08	2.65E-09	1.88E-09	7.07E-08	3.73E-08	1.58E-08	1.86E-08	7.32E-09	3.73E-08	1.58E-08
5179	485863.09	3864877	1.20E-04	1.17E-04	1.16E-04	4.16E-08	1.26E-07	7.28E-08	7.10E-08	6.44E-08	2.94E-08	2.90E-08	1.39E-09	3.36E-08	7.41E-09	9.64E-09	1.53E-08	2.70E-09	1.91E-09	7.20E-08	3.80E-08	1.61E-08	1.90E-08	7.45E-09	3.80E-08	1.61E-08
5180	486363.09	3864877	1.22E-04	1.19E-04	1.17E-04	4.22E-08	1.27E-07	7.38E-08	7.20E-08	6.53E-08	2.98E-08	2.94E-08	1.41E-09	3.41E-08	7.52E-09	9.78E-09	1.55E-08	2.73E-09	1.94E-09	7.29E-08	3.85E-08	1.63E-08	1.92E-08	7.55E-09	3.85E-08	1.63E-08
5181	486863.09	3864877	1.24E-04	1.21E-04	1.19E-04	4.29E-08	1.30E-07	7.51E-08	7.32E-08	6.64E-08	3.03E-08	2.99E-08	1.43E-09	3.46E-08	7.64E-09	9.94E-09	1.58E-08	2.78E-09	1.97E-09	7.42E-08	3.92E-08	1.66E-08	1.95E-08	7.68E-09	3.92E-08	1.66E-08
5182	487363.09	3864877	1.27E-04	1.23E-04	1.22E-04	4.38E-08	1.32E-07	7.66E-08	7.47E-08	6.77E-08	3.09E-08	3.05E-08	1.46E-09	3.53E-08	7.80E-09	1.01E-08	1.61E-08	2.84E-09	2.01E-09	7.57E-08	3.99E-08	1.69E-08	1.99E-08	7.83E-09	3.99E-08	1.69E-08
5183	487863.09	3864877	1.29E-04	1.26E-04	1.25E-04	4.48E-08	1.35E-07	7.83E-08	7.64E-08	6.93E-08	3.16E-08	3.12E-08	1.50E-09	3.61E-08	7.98E-09	1.04E-08	1.65E-08	2.90E-09	2.06E-09	7.74E-08	4.09E-08	1.73E-08	2.04E-08	8.01E-09	4.09E-08	1.73E-08
5184	488363.09	3864877	1.33E-04	1.30E-04	1.28E-04	4.61E-08	1.39E-07	8.06E-08	7.86E-08	7.13E-08	3.25E-08	3.21E-08	1.54E-09	3.72E-08	8.21E-09	1.07E-08	1.69E-08	2.98E-09	2.12E-09	7.96E-08	4.20E-08	1.78E-08	2.10E-08	8.24E-09	4.20E-08	1.78E-08
5185	488863.09	3864877	1.36E-04	1.33E-04	1.31E-04	4.71E-08	1.42E-07	8.23E-08	8.03E-08	7.28E-08	3.32E-08	3.28E-08	1.57E-09	3.80E-08	8.38E-09	1.09E-08	1.73E-08	3.05E-09	2.16E-09	8.14E-08	4.29E-08	1.82E-08	2.14E-08	8.42E-09	4.29E-08	1.82E-08
5186	489363.09	3864877	1.39E-04	1.35E-04	1.33E-04	4.80E-08	1.45E-07	8.38E-08	8.18E-08	7.42E-08	3.38E-08	3.34E-08	1.60E-09	3.87E-08	8.54E-09	1.11E-08	1.76E-08	3.11E-09	2.20E-09	8.29E-08	4.37E-08	1.86E-08	2.18E-08	8.58E-09	4.37E-08	1.86E-08
5187	489863.09	3864877	1.41E-04	1.38E-04	1.36E-04	4.88E-08	1.47E-07	8.54E-08	8.33E-08	7.55E-08	3.44E-08	3.40E-08	1.63E-09	3.94E-08	8.69E-09	1.13E-08	1.79E-08	3.16E-09	2.24E-09	8.44E-08	4.45E-08	1.89E-08	2.22E-08	8.73E-09	4.45E-08	1.89E-08
5188	490363.09	3864877	1.44E-04	1.41E-04	1.39E-04	5.00E-08	1.51E-07	8.74E-08	8.52E-08	7.73E-08	3.53E-08	3.48E-08	1.67E-09	4.03E-08	8.90E-09	1.16E-08	1.84E-08	3.24E-09	2.29E-09	8.63E-08	4.56E-08	1.93E-08	2.27E-08	8.94E-09	4.56E-08	1.93E-08
5189	490863.09	3864877	1.25E-04	1.22E-04	1.20E-04	4.32E-08	1.31E-07	7.56E-08	7.37E-08	6.68E-08	3.05E-08	3.01E-08	1.44E-09	3.49E-08	7.69E-09	1.00E-08	1.59E-08	2.80E-09	1.98E-09	7.47E-08	3.94E-08	1.67E-08	1.97E-08	7.73E-09	3.94E-08	1.67E-08
5190	491363.09	3864877	1.42E-04	1.39E-04	1.37E-04	4.93E-08	1.49E-07	8.61E-08	8.40E-08	7.62E-08	3.48E-08	3.43E-08	1.64E-09	3.97E-08	8.77E-09	1.14E-08	1.81E-08	3.19E-09	2.26E-09	8.51E-08	4.49E-08	1.91E-08	2.24E-08	8.81E-09	4.49E-08	1.91E-08
5191	491863.09	3864877	1.23E-04	1.20E-04	1.19E-04	4.27E-08	1.29E-07	7.46E-08	7.28E-08	6.60E-08	3.01E-08	2.97E-08	1.42E-09	3.44E-08	7.59E-09	9.88E-09	1.57E-08	2.76E-09	1.96E-09	7.37E-08	3.89E-08	1.65E-08	1.94E-08	7.63E-09	3.89E-08	1.65E-08
5192	492363.09	3864877	7.76E-05	7.57E-05	7.47E-05	2.69E-08	8.11E-08	4.69E-08	4.58E-08	4.15E-08	1.89E-08	1.87E-08	8.97E-10	2.17E-08	4.78E-09	6.22E-09	9.87E-09	1.74E-09	1.23E-09	4.64E-08	2.45E-08	1.04E-08	1.22E-08	4.80E-09	2.45E-08	1.04E-08
5193	492863.09	3864877	8.38E-05	8.18E-05	8.07E-05	2.90E-08	8.76E-08	5.07E-08	4.95E-08	4.49E-08	2.05E-08	2.02E-08	9.69E-10	2.34E-08	5.16E-09	6.72E-09	1.07E-08	1.88E-09	1.33E-09	5.01E-08	2.65E-08	1.12E-08	1.32E-08	5.19E-09	2.65E-08	1.12E-08
5194	493363.09	3864877	8.13E-05	7.93E-05	7.83E-05	2.81E-08	8.50E-08	4.92E-08	4.80E-08	4.35E-08	1.99E-08	1.96E-08	9.40E-10	2.27E-08	5.01E-09	6.52E-09	1.03E-08	1.82E-09	1.29E-09	4.86E-08	2.57E-08	1.09E-08	1.28E-08	5.03E-09	2.57E-08	1.09E-08
5195	493863.09	3864877	1.05E-04	1.02E-04	1.01E-04	3.63E-08	1.10E-07	6.35E-08	6.20E-08	5.62E-08	2.56E-08	2.53E-08	1.21E-09	2.93E-08	6.47E-09	8.41E-09	1.33E-08	2.35E-09	1.67E-09	6.28E-08	3.31E-08	1.41E-08	1.65E-08	6.50E-09	3.31E-08	1.41E-08
5196	494363.09	3864877	1.19E-04	1.16E-04	1.15E-04	4.12E-08	1.24E-07	7.20E-08	7.03E-08	6.37E-08	2.91E-08	2.87E-08	1.38E-09	3.32E-08	7.34E-09	9.55E-09	1.51E-08	2.67E-09	1.89E-09	7.12E-08	3.76E-08	1.59E-08	1.88E-08	7.37E-09	3.76E-08	1.59E-08
5197	494863.09	3864877	1.24E-04	1.21E-04	1.20E-04	4.31E-08	1.30E-07	7.53E-08	7.35E-08	6.66E-08	3.04E-08	3.00E-08	1.44E-09	3.48E-08	7.67E-09	9.98E-09	1.58E-08	2.79E-09	1.98E-09	7.44E-08	3.93E-08	1.67E-08	1.96E-08	7.70E-09	3.93E-08	1.67E-08
5198	495363.09	3864877	1.30E-04	1.27E-04	1.25E-04	4.50E-08	1.36E-07	7.86E-08	7.67E-08	6.95E-08	3.17E-08	3.13E-08	1.50E-09	3.63E-08	8.00E-09	1.04E-08	1.65E-08	2.91E-09	2.06E-09	7.77E-08	4.10E-08	1.74E-08	2.05E-08	8.04E-09	4.10E-08	1.74E-08
5199	495863.09	3864877	1.39E-04	1.36E-04	1.34E-04	4.81E-08	1.45E-07	8.41E-08	8.21E-08	7.44E-08	3.39E-08	3.35E-08	1.61E-09	3.88E-08	8.56E-09	1.11E-08	1.77E-08	3.11E-09	2.21E-09	8.31E-08	4.39E-08	1.86E-08	2.19E-08	8.60E-09	4.39E-08	1.86E-08
5200	496363.09	3864877	1.32E-04	1.29E-04	1.27E-04	4.57E-08	1.38E-07	7.98E-08	7.79E-08	7.06E-08	3.22E-08	3.18E-08	1.53E-09	3.68E-08	8.13E-09	1.06E-08	1.68E-08	2.96E-09	2.10E-09	7.89E-08	4.16E-08	1.77E-08	2.08E-08	8.17E-09	4.16E-08	1.77E-08
5201	496863.09	3864877	1.34E-04	1.30E-04	1.29E-04	4.62E-08	1.40E-07	8.08E-08	7.89E-08	7.15E-08	3.26E-08	3.22E-08	1.54E-09	3.73E-08	8.23E-09	1.07E-08	1.70E-08	2.99E-09	2.12E-09	7.99E-08	4.22E-08	1.79E-08	2.10E-08	8.27E-09	4.22E-08	1.79E-08
5202	497363.09	3864877	1.38E-04	1.34E-04	1.33E-04	4.77E-08	1.44E-07	8.33E-08	8.13E-08	7.37E-08	3.36E-08	3.32E-08	1.59E-09	3.85E-08	8.49E-09	1.10E-08	1.75E-08	3.09E-09	2.19E-09	8.24E-08	4.35E-08	1.84E-08	2.17E-08	8.52E-09	4.35E-08	1.84E-08
5203	497863.09	3864877	1.43E-04	1.40E-04	1.38E-04	4.95E-08	1.50E-07	8.66E-08	8.45E-08	7.66E-08	3.50E-08	3.45E-08	1.65E-09	4.00E-08	8.82E-09	1.15E-08	1.82E-08	3.21E-09	2.28E-09	8.56E-08	4.52E-08	1.92E-08	2.25E-08	8.86E-09	4.52E-08	1.92E-08
5204	498363.09	3864877	1.55E-04	1.51E-04	1.49E-04	5.37E-08	1.62E-07	9.39E-08	9.16E-08	8.30E-08	3.79E-08	3.74E-08	1.79E-09	4.33E-08	9.56E-09	1.24E-08	1.97E-08	3.48E-09	2.47E-09	9.28E-08	4.90E-08	2.08E-08	2.44E-08	9.60E-09	4.90E-08	2.08E-08
5205	471363.09	3865377	6.97E-05	6.80E-05	6.71E-05	2.41E-08	7.29E-08	4.22E-08	4.12E-08	3.73E-08	1.70E-08	1.68E-08	8.06E-10	1.95E-08	4.29E-09	5.59E-09	8.86E-09	1.56E-09	1.11E-09	4.17E-08	2.20E-08	9.33E-09	1.10E-08	4.31E-09	2.20E-08	9.33E-09
5206	471863.09	3865377	7.05E-05	6.88E-05	6.79E-05	2.44E-08	7.37E-08	4.27E-08	4.16E-08	3.77E-08	1.72E-08	1.70E-08	8.15E-10	1.97E-08	4.35E-09	5.65E-09	8.97E-09	1.58E-09	1.12E-09	4.22E-08	2.23E-08	9.44E-09	1.11E-08	4.36E-09	2.23E-08	9.44E-09
5207	472363.09	3865377	7.14E-05	6.96E-05	6.87E-05	2.47E-08	7.46E-08	4.32E-08	4.21E-08	3.82E-08	1.74E-08	1.72E-08	8.25E-10	1.99E-08	4.40E-09	5.72E-09	9.07E-09	1.60E-09	1.13E-09	4.27E-08	2.25E-08	9.56E-09	1.12E-08	4.42E-09	2.25E-08	9.56E-09
5208	472863.09	3865377	7.30E-05	7.13E-05	7.03E-05	2.53E-08	7.63E-08	4.42E-08	4.31E-08	3.91E-08	1.78E-08	1.76E-08	8.44E-10	2.04E-08	4.50E-09	5.85E-09	9.29E-09	1.64E-09	1.16E-09	4.37E-08	2.30E-08	9.78E-09	1.15E-08	4.52E-09	2.30E-08	9.78E-09
5209	473363.09	3865377	7.38E-05	7.21E-05	7.11E-05	2.56E-08	7.72E-08	4.47E-08	4.36E-08	3.95E-08	1.80E-08	1.78E-08	8.54E-10	2.06E-08	4.55E-09	5.92E-09	9.39E-09	1.66E-09	1.17E-09	4.42E-08	2.33E-08	9.89E-09	1.16E-08	4.57E-09	2.33E-08	9.89E-09
5210	473863.09	3865377	7.47E-05	7.29E-05	7.19E-05	2.59E-08	7.81E-08	4.52E-08	4.41E-08	4.00E-08	1.82E-08	1.80E-08	8.63E-10	2.09E-08	4.60E-09	5.99E-09	9.50E-09	1.67E-09	1.19E-09	4.47E-08	2.36E-08	1.00E-08	1.18E-08	4.62E-09	2.36E-08	1.00E-08
5211	474363.09	3865377	7.59E-05	7.41E-05	7.31E-05	2.63E-08	7.94E-08	4.59E-08	4.48E-08	4.06E-08	1.85E-08	1.83E-08	8.78E-10	2.12E-08	4.68E-09	6.09E-09	9.66E-09	1.70E-09	1.21E-09	4.54E-08	2.40E-08	1.02E-08	1.20E-08	4.70E-09	2.40E-08	1.02E-08
5212	474863.09	3865377	7.68E-05	7.49E-05	7.39E-05	2.66E-08	8.02E-08	4.64E-08	4.53E-08	4.11E-08	1.87E-08	1.85E-08	8.87E-10	2.14E-08	4.73E-09	6.15E-09	9.76E-09	1.72E-09	1.22E-09	4.59E-08	2.42E-08	1.03E-08	1.21E-08	4.75E-09	2.42E-08	1.03E-08
5213	475363.09	3865377	7.84E-05	7.65E-05	7.55E-05	2.71E-08	8.20E-08	4.74E-08	4.63E-08	4.20E-08	1.91E-08	1.89E-08	9.06E-10	2.19E-08	4.83E-09	6.29E-09	9.97E-09	1.76E-09	1.25E-09	4.69E-08	2.47E-08	1.05E-08	1.24E-08	4.85E-09	2.47E-08	1.05E-08
5214	475863.09	3865377	7.92E-05	7.73E-05	7.63E-05	2.74E-08	8.28E-08	4.79E-08	4.68E-08	4.24E-08	1.94E-08	1.91E-08	9.16E-10	2.21E-08	4.88E-09	6.35E-09	1.01E-08	1.78E-09	1.26E-09	4.74E-08	2.50E-08	1.06E-08	1.25E-08	4.90E-09	2.50E-08	1.06E-08
5215	476363.09	3865377	8.09E-05	7.89E-05	7.79E-05	2.80E-08	8.46E-08	4.90E-08	4.78E-08	4.33E-08	1.98E-08	1.95E-08	9.35E-10	2.26E-08	4.98E-09	6.49E-09	1.03E-08	1.81E-09	1.29E-09	4.84E-08	2.55E-08	1.08E-08	1.27E-08	5.01E-09	2.55E-08	1.08E-08
5216	476863.09	3865377	7.92E-05	7.73E-05	7.63E-05	2.74E-08	8.28E-08	4.79E-08	4.68E-08	4.24E-08	1.94E-08	1.91E-08	9.16E-10	2.21E-08	4.88E-09	6.35E-09	1.01E-08	1.78E-09	1.26E-09	4.74E-08	2.50E-08	1.06E-08	1.25E-08	4.90E-09	2.50E-08	1.06E-08
5217	477363.09	3865377	8.34E-05	8.14E-05	8.03E-05	2.89E-08	8.72E-08	5.05E-08	4.92E-08	4.46E-08	2.04E-08	2.01E-08	9.64E-10	2.33E-08	5.14E-09	6.68E-09	1.06E-08	1.87E-09	1.33E-09	4.99E-08	2.63E-08	1.12E-08	1.31E-08	5.16E-09	2.63E-08	1.12E-08
5218	477863.09	3865377	8.51E-05	8.30E-05	8.19E-05	2.94E-08	8.89E-08	5.15E-08	5.02E-08	4.55E-08	2.08E-08	2.05E-08	9.83E-10	2.37E-08	5.24E-09	6.82E-09	1.08E-08	1.91E-09	1.35E-09	5.09E-08	2.68E-08	1.14E-08	1.34E-08	5.26E-09	2.68E-08	1.14E-08
5219	478363.09	3865377	8.59E-05	8.38E-05	8.27E-05	2.97E-08	8.98E-08	5.20E-08	5.07E-08	4.60E-08	2.10E-08	2.07E-08	9.93E-10	2.40E-08	5.29E-09	6.88E-09	1.09E-08	1.92E-09	1.37E-09	5.14E-08	2.71E-08	1.15E-08	1.35E-08	5.31E-09	2.71E-08	1.15E-08
5220	478863.09	3865377	8.75E-05	8.54E-05	8.43E-05	3.03E-08	9.15E-08	5.30E-08	5.17E-08	4.69E-08	2.14E-08	2.11E-08	1.01E-09	2.44E-08	5.39E-09	7.02E-09	1.11E-08	1.96E-09	1.39E-09	5.24E-08	2.76E-08	1.17E-08	1.38E-08	5.42E-09	2.76E-08	1.17E-08
5221	479363.09	3865377	8.88E-05	8.66E-05	8.55E-05	3.07E-08	9.28E-08	5.37E-08	5.24E-08	4.75E-08	2.17E-08	2.14E-08	1.03E-09	2.48E-08	5.47E-09	7.12E-09	1.13E-08	1.99E-09	1.41E-09	5.31E-08	2.80E-08	1.19E-08	1.40E-08	5.49E-09	2.80E-08	1.19E-08
5222	479863.09	3865377	9.00E-05	8.79E-05	8.67E-05	3.12E-08	9.41E-08	5.45E-08	5.32E-08	4.82E-08	2.20E-08	2.17E-08	1.04E-09	2.51E-08	5.55E-09	7.22E-09	1.14E-08	2.02E-09	1.43E-09	5.38E-08	2.84E-08	1.21E-08	1.42E-08	5.57E-09	2.84E-08	1.21E-08
5223	480363.09	3865377	9.17E-05	8.95E-05	8.83E-05	3.17E-08	9.58E-08	5.55E-08	5.41E-08	4.91E-08	2.24E-08	2.21E-08	1.06E-09	2.56E-08	5.65E-09	7.35E-09	1.17E-08	2.05E-09	1.46E-09	5.48E-08	2.89E-08	1.23E-08	1.44E-08	5.67E-09	2.89E-08	1.23E-08
5224	480863.09	3865377	9.33E-05	9.11E-05	8.99E-05	3.23E-08	9.76E-08	5.65E-08	5.51E-08	5.00E-08	2.28E-08	2.25E-08	1.08E-09	2.61E-08	5.75E-09	7.48E-09	1.19E-08	2.09E-09	1.48E-09	5.58E-08	2.95E-08	1.25E-08	1.47E-08	5.78E-09	2.95E-08	1.25E-08
5225	481363.09	3865377	9.54E-05	9.31E-05	9.19E-05	3.30E-08	9.97E-08	5.77E-08	5.63E-08	5.11E-08	2.33E-08	2.30E-08	1.10E-09	2.66E-08	5.88E-09	7.65E-09	1.21E-08	2.14E-09	1.52E-09	5.71E-08	3.01E-08	1.28E-08	1.50E-08	5.91E-09	3.01E-08	1.28E-08
5226	481863.09	3865377	9.71E-05	9.47E-05	9.35E-05	3.36E-08	1.01E-07	5.87E-08	5.73E-08	5.20E-08	2.37E-08	2.34E-08	1.12E-09	2.71E-08	5.98E-09	7.78E-09	1.23E-08	2.18E-09	1.54E-09	5.81E-08	3.06E-08	1.30E-08	1.53E-08	6.01E-09	3.06E-08	1.30E-08
5227	482363.09	3865377	9.83E-05	9.59E-05	9.47E-05	3.40E-08	1.03E-07	5.95E-08	5.81E-08	5.26E-08	2.40E-08	2.37E-08	1.14E-09	2.75E-08	6.06E-09	7.88E-09	1.25E-08	2.20E-09	1.56E-09	5.88E-08	3.10E-08	1.32E-08	1.55E-08	6.09E-09	3.10E-08	1.32E-08
5228	482863.09	3865377	1.00E-04	9.76E-05	9.63E-05	3.46E-08	1.05E-07	6.05E-08	5.90E-08	5.35E-08	2.44E-08	2.41E-08	1.16E-09	2.79E-08	6.16E-09	8.02E-09	1.27E-08	2.24E-09	1.59E-09	5.98E-08	3.16E-08	1.34E-08	1.58E-08	6.19E-09	3.16E-08	1.34E-08
5229	483363.09	3865377	1.02E-04	9.92E-05	9.79E-05	3.52E-08	1.06E-07	6.15E-08	6.00E-08	5.44E-08	2.48E-08	2.45E-08	1.17E-09	2.84E-08	6.26E-09	8.15E-09	1.29E-08	2.28E-09	1.62E-09	6.08E-08	3.21E-08	1.36E-08	1.60E-08	6.29E-09	3.21E-08	1.36E-08
5230	483863.09	3865377	1.03E-04	1.01E-04	9.95E-05	3.58E-08	1.08E-07	6.25E-08	6.10E-08	5.53E-08	2.52E-08	2.49E-08	1.19E-09	2.88E-08	6.36E-09	8.28E-09	1.31E-08	2.32E-09	1.64E-09	6.18E-08	3.26E-08	1.38E-08	1.63E-08	6.39E-09	3.26E-08	1.38E-08
5231	484363.09	3865377	1.05E-04	1.02E-04	1.01E-04	3.62E-08	1.09E-07	6.33E-08	6.17E-08	5.60E-08	2.55E-08	2.52E-08	1.21E-09	2.92E-08	6.44E-09	8.38E-09	1.33E-08	2.34E-09	1.66E-09	6.25E-08	3.30E-08	1.40E-08	1.65E-08	6.47E-09	3.30E-08	1.40E-08
5232	484863.09	3865377	1.07E-04	1.04E-04	1.03E-04	3.71E-08	1.12E-07	6.48E-08	6.32E-08	5.73E-08	2.61E-08	2.58E-08	1.24E-09	2.99E-08	6.59E-09	8.58E-09	1.36E-08	2.40E-09	1.70E-09	6.40E-08	3.38E-08	1.43E-08	1.69E-08	6.62E-09	3.38E-08	1.43E-08
5233	485363.09	3865377	1.09E-04	1.06E-04	1.05E-04	3.76E-08	1.14E-07	6.58E-08	6.42E-08	5.82E-08	2.65E-08	2.62E-08	1.26E-09	3.04E-08	6.70E-09	8.71E-09	1.38E-08	2.44E-09	1.73E-09	6.50E-08	3.43E-08	1.46E-08	1.71E-08	6.73E-09	3.43E-08	1.46E-08
5234	485863.09	3865377	1.11E-04	1.08E-04	1.07E-04	3.85E-08	1.16E-07	6.73E-08	6.56E-08	5.95E-08	2.72E-08	2.68E-08	1.29E-09	3.10E-08	6.85E-09	8.91E-09	1.41E-08	2.49E-09	1.77E-09	6.65E-08	3.51E-08	1.49E-08	1.75E-08	6.88E-09	3.51E-08	1.49E-08
5235	486363.09	3865377	1.12E-04	1.10E-04	1.08E-04	3.89E-08	1.18E-07	6.80E-08	6.64E-08	6.02E-08	2.75E-08	2.71E-08	1.30E-09	3.14E-08	6.93E-09	9.01E-09	1.43E-08	2.52E-09	1.79E-09	6.72E-08	3.55E-08	1.51E-08	1.77E-08	6.96E-09	3.55E-08	1.51E-08
5236	486863.09	3865377	1.14E-04	1.11E-04	1.09E-04	3.94E-08	1.19E-07	6.88E-08	6.71E-08	6.08E-08	2.78E-08	2.74E-08	1.31E-09	3.17E-08	7.00E-09	9.11E-09	1.45E-08	2.55E-09	1.81E-09	6.80E-08	3.59E-08	1.52E-08	1.79E-08	7.04E-09	3.59E-08	1.52E-08
5237	487363.09	3865377	1.15E-04	1.13E-04	1.11E-04	3.99E-08	1.21E-07	6.98E-08	6.81E-08	6.17E-08	2.82E-08	2.78E-08	1.33E-09	3.22E-08	7.11E-09	9.25E-09	1.47E-08	2.58E-09	1.83E-09	6.90E-08	3.64E-08	1.54E-08	1.82E-08	7.14E-09	3.64E-08	1.54E-08
5238	487863.09	3865377	1.17E-04	1.15E-04	1.13E-04	4.06E-08	1.23E-07	7.10E-08	6.93E-08	6.28E-08	2.87E-08	2.83E-08	1.36E-09	3.28E-08	7.23E-09	9.41E-09	1.49E-08	2.63E-09	1.87E-09	7.02E-08	3.71E-08	1.57E-08	1.85E-08	7.27E-09	3.71E-08	1.57E-08
5239	488363.09	3865377	1.19E-04	1.17E-04	1.15E-04	4.14E-08	1.25E-07	7.23E-08	7.05E-08	6.40E-08	2.92E-08	2.88E-08	1.38E-09	3.34E-08	7.36E-09	9.58E-09	1.52E-08	2.68E-09	1.90E-09	7.15E-08	3.77E-08	1.60E-08	1.88E-08	7.39E-09	3.77E-08	1.60E-08
5240	488863.09	3865377	1.23E-04	1.20E-04	1.18E-04	4.25E-08	1.28E-07	7.43E-08	7.25E-08	6.57E-08	3.00E-08	2.96E-08	1.42E-09	3.43E-08	7.57E-09	9.84E-09	1.56E-08	2.75E-09	1.95E-09	7.34E-08	3.88E-08	1.64E-08	1.93E-08	7.60E-09	3.88E-08	1.64E-08
5241	489363.09	3865377	1.26E-04	1.23E-04	1.21E-04	4.37E-08	1.32E-07	7.63E-08	7.45E-08	6.75E-08	3.08E-08	3.04E-08	1.46E-09	3.52E-08	7.77E-09	1.01E-08	1.60E-08	2.83E-09	2.00E-09	7.54E-08	3.98E-08	1.69E-08	1.99E-08	7.81E-09	3.98E-08	1.69E-08
5242	489863.09	3865377	1.28E-04	1.25E-04	1.23E-04	4.44E-08	1.34E-07	7.76E-08	7.57E-08	6.86E-08	3.13E-08	3.09E-08	1.48E-09	3.58E-08	7.90E-09	1.03E-08	1.63E-08	2.87E-09	2.04E-09	7.67E-08	4.05E-08	1.72E-08	2.02E-08	7.93E-09	4.05E-08	1.72E-08
5243	490363.09	3865377	1.15E-04	1.13E-04	1.11E-04	3.99E-08	1.21E-07	6.98E-08	6.81E-08	6.17E-08	2.82E-08	2.78E-08	1.33E-09	3.22E-08	7.11E-09	9.25E-09	1.47E-08	2.58E-09	1.83E-09	6.90E-08	3.64E-08	1.54E-08	1.82E-08	7.14E-09	3.64E-08	1.54E-08
5244	490863.09	3865377	1.11E-04	1.08E-04	1.07E-04	3.85E-08	1.16E-07	6.73E-08	6.56E-08	5.95E-08	2.72E-08	2.68E-08	1.29E-09	3.10E-08	6.85E-09	8.91E-09	1.41E-08	2.49E-09	1.77E-09	6.65E-08	3.51E-08	1.49E-08	1.75E-08	6.88E-09	3.51E-08	1.49E-08
5245	491363.09	3865377	1.09E-04	1.06E-04	1.05E-04	3.78E-08	1.14E-07	6.60E-08	6.44E-08	5.84E-08	2.66E-08	2.63E-08	1.26E-09	3.05E-08	6.72E-09	8.75E-09	1.39E-08	2.45E-09	1.73E-09	6.53E-08	3.44E-08	1.46E-08	1.72E-08	6.75E-09	3.44E-08	1.46E-08
5246	491863.09	3865377	1.10E-04	1.08E-04	1.06E-04	3.82E-08	1.15E-07	6.68E-08	6.52E-08	5.91E-08	2.70E-08	2.66E-08	1.28E-09	3.08E-08	6.80E-09	8.85E-09	1.40E-08	2.47E-09	1.75E-09	6.60E-08	3.48E-08	1.48E-08	1.74E-08	6.83E-09	3.48E-08	1.48E-08
5247	492363.09	3865377	9.50E-05	9.27E-05	9.15E-05	3.29E-08	9.93E-08	5.75E-08	5.61E-08	5.09E-08	2.32E-08	2.29E-08	1.10E-09	2.65E-08	5.85E-09	7.62E-09	1.21E-08	2.13E-09	1.51E-09	5.68E-08	3.00E-08	1.27E-08	1.50E-08	5.88E-09	3.00E-08	1.27E-08

5248	492863.09	3865377	8.17E-05	7.98E-05	7.87E-05	2.83E-08	8.54E-08	4.95E-08	4.83E-08	4.37E-08	2.00E-08	1.97E-08	9.45E-10	2.28E-08	5.04E-09	6.55E-09	1.04E-08	1.83E-09	1.30E-09	4.89E-08	2.58E-08	1.09E-08	1.29E-08	5.06E-09	2.58E-08	1.09E-08
5249	493363.09	3865377	7.47E-05	7.29E-05	7.19E-05	2.59E-08	7.81E-08	4.52E-08	4.41E-08	4.00E-08	1.82E-08	1.80E-08	8.63E-10	2.09E-08	4.60E-09	5.99E-09	9.50E-09	1.67E-09	1.19E-09	4.47E-08	2.36E-08	1.00E-08	1.18E-08	4.62E-09	2.36E-08	1.00E-08
5250	493863.09	3865377	8.34E-05	8.14E-05	8.03E-05	2.89E-08	8.72E-08	5.05E-08	4.92E-08	4.46E-08	2.04E-08	2.01E-08	9.64E-10	2.33E-08	5.14E-09	6.68E-09	1.06E-08	1.87E-09	1.33E-09	4.99E-08	2.63E-08	1.12E-08	1.31E-08	5.16E-09	2.63E-08	1.12E-08
5251	494363.09	3865377	9.42E-05	9.19E-05	9.07E-05	3.26E-08	9.84E-08	5.70E-08	5.56E-08	5.04E-08	2.30E-08	2.27E-08	1.09E-09	2.63E-08	5.80E-09	7.55E-09	1.20E-08	2.11E-09	1.50E-09	5.63E-08	2.97E-08	1.26E-08	1.48E-08	5.83E-09	2.97E-08	1.26E-08
5252	494863.09	3865377	1.02E-04	9.96E-05	9.83E-05	3.53E-08	1.07E-07	6.18E-08	6.03E-08	5.46E-08	2.49E-08	2.46E-08	1.18E-09	2.85E-08	6.29E-09	8.18E-09	1.30E-08	2.29E-09	1.62E-09	6.10E-08	3.22E-08	1.37E-08	1.61E-08	6.32E-09	3.22E-08	1.37E-08
5253	495363.09	3865377	1.06E-04	1.04E-04	1.02E-04	3.68E-08	1.11E-07	6.43E-08	6.27E-08	5.68E-08	2.59E-08	2.56E-08	1.23E-09	2.97E-08	6.54E-09	8.51E-09	1.35E-08	2.38E-09	1.69E-09	6.35E-08	3.35E-08	1.42E-08	1.67E-08	6.57E-09	3.35E-08	1.42E-08
5254	495863.09	3865377	1.15E-04	1.12E-04	1.11E-04	3.98E-08	1.20E-07	6.95E-08	6.79E-08	6.15E-08	2.81E-08	2.77E-08	1.33E-09	3.21E-08	7.08E-09	9.21E-09	1.46E-08	2.58E-09	1.83E-09	6.87E-08	3.63E-08	1.54E-08	1.81E-08	7.11E-09	3.63E-08	1.54E-08
5255	496363.09	3865377	1.08E-04	1.06E-04	1.04E-04	3.75E-08	1.13E-07	6.55E-08	6.39E-08	5.80E-08	2.64E-08	2.61E-08	1.25E-09	3.02E-08	6.67E-09	8.68E-09	1.38E-08	2.43E-09	1.72E-09	6.48E-08	3.42E-08	1.45E-08	1.71E-08	6.70E-09	3.42E-08	1.45E-08
5256	496863.09	3865377	1.05E-04	1.03E-04	1.01E-04	3.65E-08	1.10E-07	6.38E-08	6.22E-08	5.64E-08	2.57E-08	2.54E-08	1.22E-09	2.94E-08	6.49E-09	8.45E-09	1.34E-08	2.36E-09	1.68E-09	6.30E-08	3.33E-08	1.41E-08	1.66E-08	6.52E-09	3.33E-08	1.41E-08
5257	497363.09	3865377	1.14E-04	1.11E-04	1.10E-04	3.95E-08	1.19E-07	6.90E-08	6.74E-08	6.11E-08	2.79E-08	2.75E-08	1.32E-09	3.19E-08	7.03E-09	9.15E-09	1.45E-08	2.56E-09	1.81E-09	6.82E-08	3.60E-08	1.53E-08	1.80E-08	7.06E-09	3.60E-08	1.53E-08
5258	497863.09	3865377	1.16E-04	1.13E-04	1.12E-04	4.02E-08	1.21E-07	7.03E-08	6.86E-08	6.22E-08	2.84E-08	2.80E-08	1.34E-09	3.24E-08	7.16E-09	9.31E-09	1.48E-08	2.60E-09	1.85E-09	6.95E-08	3.67E-08	1.56E-08	1.83E-08	7.19E-09	3.67E-08	1.56E-08
5259	498363.09	3865377	1.14E-04	1.11E-04	1.09E-04	3.94E-08	1.19E-07	6.88E-08	6.71E-08	6.08E-08	2.78E-08	2.74E-08	1.31E-09	3.17E-08	7.00E-09	9.11E-09	1.45E-08	2.55E-09	1.81E-09	6.80E-08	3.59E-08	1.52E-08	1.79E-08	7.04E-09	3.59E-08	1.52E-08
5260	471363.09	3865877	6.72E-05	6.56E-05	6.47E-05	2.33E-08	7.02E-08	4.07E-08	3.97E-08	3.60E-08	1.64E-08	1.62E-08	7.77E-10	1.88E-08	4.14E-09	5.39E-09	8.55E-09	1.51E-09	1.07E-09	4.02E-08	2.12E-08	9.00E-09	1.06E-08	4.16E-09	2.12E-08	9.00E-09
5261	471863.09	3865877	6.89E-05	6.72E-05	6.63E-05	2.38E-08	7.20E-08	4.17E-08	4.07E-08	3.69E-08	1.68E-08	1.66E-08	7.96E-10	1.92E-08	4.24E-09	5.52E-09	8.76E-09	1.54E-09	1.09E-09	4.12E-08	2.17E-08	9.22E-09	1.08E-08	4.26E-09	2.17E-08	9.22E-09
5262	472363.09	3865877	6.97E-05	6.80E-05	6.71E-05	2.41E-08	7.29E-08	4.22E-08	4.12E-08	3.73E-08	1.70E-08	1.68E-08	8.06E-10	1.95E-08	4.29E-09	5.59E-09	8.86E-09	1.56E-09	1.11E-09	4.17E-08	2.20E-08	9.33E-09	1.10E-08	4.31E-09	2.20E-08	9.33E-09
5263	472863.09	3865877	7.05E-05	6.88E-05	6.79E-05	2.44E-08	7.37E-08	4.27E-08	4.16E-08	3.77E-08	1.72E-08	1.70E-08	8.15E-10	1.97E-08	4.35E-09	5.65E-09	8.97E-09	1.58E-09	1.12E-09	4.22E-08	2.23E-08	9.44E-09	1.11E-08	4.36E-09	2.23E-08	9.44E-09
5264	473363.09	3865877	7.14E-05	6.96E-05	6.87E-05	2.47E-08	7.46E-08	4.32E-08	4.21E-08	3.82E-08	1.74E-08	1.72E-08	8.25E-10	1.99E-08	4.40E-09	5.72E-09	9.07E-09	1.60E-09	1.13E-09	4.27E-08	2.25E-08	9.56E-09	1.12E-08	4.42E-09	2.25E-08	9.56E-09
5265	473863.09	3865877	7.26E-05	7.08E-05	6.99E-05	2.51E-08	7.59E-08	4.39E-08	4.29E-08	3.89E-08	1.77E-08	1.75E-08	8.39E-10	2.03E-08	4.47E-09	5.82E-09	9.23E-09	1.63E-09	1.15E-09	4.34E-08	2.29E-08	9.72E-09	1.14E-08	4.49E-09	2.29E-08	9.72E-09
5266	474363.09	3865877	7.38E-05	7.21E-05	7.11E-05	2.56E-08	7.72E-08	4.47E-08	4.36E-08	3.95E-08	1.80E-08	1.78E-08	8.54E-10	2.06E-08	4.55E-09	5.92E-09	9.39E-09	1.66E-09	1.17E-09	4.42E-08	2.33E-08	9.89E-09	1.16E-08	4.57E-09	2.33E-08	9.89E-09
5267	474863.09	3865877	7.51E-05	7.33E-05	7.23E-05	2.60E-08	7.85E-08	4.54E-08	4.43E-08	4.02E-08	1.83E-08	1.81E-08	8.68E-10	2.10E-08	4.63E-09	6.02E-09	9.55E-09	1.68E-09	1.19E-09	4.49E-08	2.37E-08	1.01E-08	1.18E-08	4.65E-09	2.37E-08	1.01E-08
5268	475363.09	3865877	7.59E-05	7.41E-05	7.31E-05	2.63E-08	7.94E-08	4.59E-08	4.48E-08	4.06E-08	1.85E-08	1.83E-08	8.78E-10	2.12E-08	4.68E-09	6.09E-09	9.66E-09	1.70E-09	1.21E-09	4.54E-08	2.40E-08	1.02E-08	1.20E-08	4.70E-09	2.40E-08	1.02E-08
5269	475863.09	3865877	7.76E-05	7.57E-05	7.47E-05	2.69E-08	8.11E-08	4.69E-08	4.58E-08	4.15E-08	1.89E-08	1.87E-08	8.97E-10	2.17E-08	4.78E-09	6.22E-09	9.87E-09	1.74E-09	1.23E-09	4.64E-08	2.45E-08	1.04E-08	1.22E-08	4.80E-09	2.45E-08	1.04E-08
5270	476363.09	3865877	7.80E-05	7.61E-05	7.51E-05	2.70E-08	8.15E-08	4.72E-08	4.61E-08	4.17E-08	1.90E-08	1.88E-08	9.02E-10	2.18E-08	4.81E-09	6.25E-09	9.92E-09	1.75E-09	1.24E-09	4.66E-08	2.46E-08	1.04E-08	1.23E-08	4.83E-09	2.46E-08	1.04E-08
5271	476863.09	3865877	7.68E-05	7.49E-05	7.39E-05	2.66E-08	8.02E-08	4.64E-08	4.53E-08	4.11E-08	1.87E-08	1.85E-08	8.87E-10	2.14E-08	4.73E-09	6.15E-09	9.76E-09	1.72E-09	1.22E-09	4.59E-08	2.42E-08	1.03E-08	1.21E-08	4.75E-09	2.42E-08	1.03E-08
5272	477363.09	3865877	8.09E-05	7.89E-05	7.79E-05	2.80E-08	8.46E-08	4.90E-08	4.78E-08	4.33E-08	1.98E-08	1.95E-08	9.35E-10	2.26E-08	4.98E-09	6.49E-09	1.03E-08	1.81E-09	1.29E-09	4.84E-08	2.55E-08	1.08E-08	1.27E-08	5.01E-09	2.55E-08	1.08E-08
5273	477863.09	3865877	8.21E-05	8.02E-05	7.91E-05	2.84E-08	8.59E-08	4.97E-08	4.85E-08	4.40E-08	2.01E-08	1.98E-08	9.50E-10	2.29E-08	5.06E-09	6.59E-09	1.04E-08	1.84E-09	1.31E-09	4.91E-08	2.59E-08	1.10E-08	1.29E-08	5.08E-09	2.59E-08	1.10E-08
5274	478363.09	3865877	8.30E-05	8.10E-05	7.99E-05	2.87E-08	8.67E-08	5.02E-08	4.90E-08	4.44E-08	2.03E-08	2.00E-08	9.59E-10	2.32E-08	5.11E-09	6.65E-09	1.06E-08	1.86E-09	1.32E-09	4.96E-08	2.62E-08	1.11E-08	1.31E-08	5.14E-09	2.62E-08	1.11E-08
5275	478863.09	3865877	8.38E-05	8.18E-05	8.07E-05	2.90E-08	8.76E-08	5.07E-08	4.95E-08	4.49E-08	2.05E-08	2.02E-08	9.69E-10	2.34E-08	5.16E-09	6.72E-09	1.07E-08	1.88E-09	1.33E-09	5.01E-08	2.65E-08	1.12E-08	1.32E-08	5.19E-09	2.65E-08	1.12E-08
5276	479363.09	3865877	8.46E-05	8.26E-05	8.15E-05	2.93E-08	8.85E-08	5.12E-08	5.00E-08	4.53E-08	2.07E-08	2.04E-08	9.78E-10	2.36E-08	5.21E-09	6.78E-09	1.08E-08	1.90E-09	1.35E-09	5.06E-08	2.67E-08	1.13E-08	1.33E-08	5.24E-09	2.67E-08	1.13E-08
5277	479863.09	3865877	8.55E-05	8.34E-05	8.23E-05	2.96E-08	8.93E-08	5.17E-08	5.05E-08	4.57E-08	2.09E-08	2.06E-08	9.88E-10	2.39E-08	5.27E-09	6.85E-09	1.09E-08	1.92E-09	1.36E-09	5.11E-08	2.70E-08	1.14E-08	1.35E-08	5.29E-09	2.70E-08	1.14E-08
5278	480363.09	3865877	8.67E-05	8.46E-05	8.35E-05	3.00E-08	9.06E-08	5.25E-08	5.12E-08	4.64E-08	2.12E-08	2.09E-08	1.00E-09	2.42E-08	5.34E-09	6.95E-09	1.10E-08	1.94E-09	1.38E-09	5.19E-08	2.74E-08	1.16E-08	1.37E-08	5.37E-09	2.74E-08	1.16E-08
5279	480863.09	3865877	8.80E-05	8.58E-05	8.47E-05	3.04E-08	9.19E-08	5.32E-08	5.19E-08	4.71E-08	2.15E-08	2.12E-08	1.02E-09	2.46E-08	5.42E-09	7.05E-09	1.12E-08	1.97E-09	1.40E-09	5.26E-08	2.78E-08	1.18E-08	1.39E-08	5.44E-09	2.78E-08	1.18E-08
5280	481363.09	3865877	9.00E-05	8.79E-05	8.67E-05	3.12E-08	9.41E-08	5.45E-08	5.32E-08	4.82E-08	2.20E-08	2.17E-08	1.04E-09	2.51E-08	5.55E-09	7.22E-09	1.14E-08	2.02E-09	1.43E-09	5.38E-08	2.84E-08	1.21E-08	1.42E-08	5.57E-09	2.84E-08	1.21E-08
5281	481863.09	3865877	9.09E-05	8.87E-05	8.75E-05	3.15E-08	9.50E-08	5.50E-08	5.36E-08	4.86E-08	2.22E-08	2.19E-08	1.05E-09	2.54E-08	5.60E-09	7.28E-09	1.16E-08	2.04E-09	1.44E-09	5.43E-08	2.87E-08	1.22E-08	1.43E-08	5.62E-09	2.87E-08	1.22E-08
5282	482363.09	3865877	9.21E-05	8.99E-05	8.87E-05	3.19E-08	9.63E-08	5.57E-08	5.44E-08	4.93E-08	2.25E-08	2.22E-08	1.06E-09	2.57E-08	5.67E-09	7.38E-09	1.17E-08	2.06E-09	1.46E-09	5.51E-08	2.91E-08	1.23E-08	1.45E-08	5.70E-09	2.91E-08	1.23E-08
5283	482863.09	3865877	9.33E-05	9.11E-05	8.99E-05	3.23E-08	9.76E-08	5.65E-08	5.51E-08	5.00E-08	2.28E-08	2.25E-08	1.08E-09	2.61E-08	5.75E-09	7.48E-09	1.19E-08	2.09E-09	1.48E-09	5.58E-08	2.95E-08	1.25E-08	1.47E-08	5.78E-09	2.95E-08	1.25E-08
5284	483363.09	3865877	9.50E-05	9.27E-05	9.15E-05	3.29E-08	9.93E-08	5.75E-08	5.61E-08	5.09E-08	2.32E-08	2.29E-08	1.10E-09	2.65E-08	5.85E-09	7.62E-09	1.21E-08	2.13E-09	1.51E-09	5.68E-08	3.00E-08	1.27E-08	1.50E-08	5.88E-09	3.00E-08	1.27E-08
5285	483863.09	3865877	9.63E-05	9.39E-05	9.27E-05	3.33E-08	1.01E-07	5.82E-08	5.68E-08	5.15E-08	2.35E-08	2.32E-08	1.11E-09	2.69E-08	5.93E-09	7.72E-09	1.22E-08	2.16E-09	1.53E-09	5.76E-08	3.04E-08	1.29E-08	1.52E-08	5.96E-09	3.04E-08	1.29E-08
5286	484363.09	3865877	9.79E-05	9.55E-05	9.43E-05	3.39E-08	1.02E-07	5.92E-08	5.78E-08	5.24E-08	2.39E-08	2.36E-08	1.13E-09	2.73E-08	6.03E-09	7.85E-09	1.25E-08	2.19E-09	1.56E-09	5.86E-08	3.09E-08	1.31E-08	1.54E-08	6.06E-09	3.09E-08	1.31E-08
5287	484863.09	3865877	9.96E-05	9.72E-05	9.59E-05	3.45E-08	1.04E-07	6.02E-08	5.88E-08	5.33E-08	2.43E-08	2.40E-08	1.15E-09	2.78E-08	6.13E-09	7.98E-09	1.27E-08	2.23E-09	1.58E-09	5.95E-08	3.14E-08	1.33E-08	1.57E-08	6.16E-09	3.14E-08	1.33E-08
5288	485363.09	3865877	1.01E-04	9.84E-05	9.71E-05	3.49E-08	1.05E-07	6.10E-08	5.95E-08	5.40E-08	2.46E-08	2.43E-08	1.17E-09	2.81E-08	6.21E-09	8.08E-09	1.28E-08	2.26E-09	1.60E-09	6.03E-08	3.18E-08	1.35E-08	1.59E-08	6.24E-09	3.18E-08	1.35E-08
5289	485863.09	3865877	1.02E-04	9.96E-05	9.83E-05	3.53E-08	1.07E-07	6.18E-08	6.03E-08	5.46E-08	2.49E-08	2.46E-08	1.18E-09	2.85E-08	6.29E-09	8.18E-09	1.30E-08	2.29E-09	1.62E-09	6.10E-08	3.22E-08	1.37E-08	1.61E-08	6.32E-09	3.22E-08	1.37E-08
5290	486363.09	3865877	1.03E-04	1.00E-04	9.91E-05	3.56E-08	1.08E-07	6.23E-08	6.07E-08	5.51E-08	2.51E-08	2.48E-08	1.19E-09	2.87E-08	6.34E-09	8.25E-09	1.31E-08	2.31E-09	1.64E-09	6.15E-08	3.25E-08	1.38E-08	1.62E-08	6.37E-09	3.25E-08	1.38E-08
5291	486863.09	3865877	1.04E-04	1.02E-04	1.00E-04	3.60E-08	1.09E-07	6.30E-08	6.15E-08	5.57E-08	2.54E-08	2.51E-08	1.20E-09	2.91E-08	6.42E-09	8.35E-09	1.32E-08	2.33E-09	1.66E-09	6.23E-08	3.29E-08	1.39E-08	1.64E-08	6.44E-09	3.29E-08	1.39E-08
5292	487363.09	3865877	1.06E-04	1.03E-04	1.02E-04	3.66E-08	1.11E-07	6.40E-08	6.25E-08	5.66E-08	2.58E-08	2.55E-08	1.22E-09	2.95E-08	6.52E-09	8.48E-09	1.35E-08	2.37E-09	1.68E-09	6.33E-08	3.34E-08	1.42E-08	1.67E-08	6.55E-09	3.34E-08	1.42E-08
5293	487863.09	3865877	1.08E-04	1.06E-04	1.04E-04	3.75E-08	1.13E-07	6.55E-08	6.39E-08	5.80E-08	2.64E-08	2.61E-08	1.25E-09	3.02E-08	6.67E-09	8.68E-09	1.38E-08	2.43E-09	1.72E-09	6.48E-08	3.42E-08	1.45E-08	1.71E-08	6.70E-09	3.42E-08	1.45E-08
5294	488363.09	3865877	1.11E-04	1.08E-04	1.07E-04	3.83E-08	1.16E-07	6.70E-08	6.54E-08	5.93E-08	2.71E-08	2.67E-08	1.28E-09	3.09E-08	6.83E-09	8.88E-09	1.41E-08	2.48E-09	1.76E-09	6.62E-08	3.50E-08	1.48E-08	1.75E-08	6.86E-09	3.50E-08	1.48E-08
5295	488863.09	3865877	1.13E-04	1.11E-04	1.09E-04	3.92E-08	1.18E-07	6.85E-08	6.69E-08	6.06E-08	2.77E-08	2.73E-08	1.31E-09	3.16E-08	6.98E-09	9.08E-09	1.44E-08	2.54E-09	1.80E-09	6.77E-08	3.57E-08	1.52E-08	1.78E-08	7.01E-09	3.57E-08	1.52E-08
5296	489363.09	3865877	1.15E-04	1.13E-04	1.11E-04	3.99E-08	1.21E-07	6.98E-08	6.81E-08	6.17E-08	2.82E-08	2.78E-08	1.33E-09	3.22E-08	7.11E-09	9.25E-09	1.47E-08	2.58E-09	1.83E-09	6.90E-08	3.64E-08	1.54E-08	1.82E-08	7.14E-09	3.64E-08	1.54E-08
5297	489863.09	3865877	1.16E-04	1.13E-04	1.12E-04	4.02E-08	1.21E-07	7.03E-08	6.86E-08	6.22E-08	2.84E-08	2.80E-08	1.34E-09	3.24E-08	7.16E-09	9.31E-09	1.48E-08	2.60E-09	1.85E-09	6.95E-08	3.67E-08	1.56E-08	1.83E-08	7.19E-09	3.67E-08	1.56E-08
5298	490363.09	3865877	1.12E-04	1.09E-04	1.08E-04	3.88E-08	1.17E-07	6.78E-08	6.61E-08	6.00E-08	2.74E-08	2.70E-08	1.29E-09	3.13E-08	6.90E-09	8.98E-09	1.42E-08	2.51E-09	1.78E-09	6.70E-08	3.54E-08	1.50E-08	1.76E-08	6.93E-09	3.54E-08	1.50E-08
5299	490863.09	3865877	1.04E-04	1.02E-04	1.00E-04	3.60E-08	1.09E-07	6.30E-08	6.15E-08	5.57E-08	2.54E-08	2.51E-08	1.20E-09	2.91E-08	6.42E-09	8.35E-09	1.32E-08	2.33E-09	1.66E-09	6.23E-08	3.29E-08	1.39E-08	1.64E-08	6.44E-09	3.29E-08	1.39E-08
5300	491363.09	3865877	9.71E-05	9.47E-05	9.35E-05	3.36E-08	1.01E-07	5.87E-08	5.73E-08	5.20E-08	2.37E-08	2.34E-08	1.12E-09	2.71E-08	5.98E-09	7.78E-09	1.23E-08	2.18E-09	1.54E-09	5.81E-08	3.06E-08	1.30E-08	1.53E-08	6.01E-09	3.06E-08	1.30E-08
5301	491863.09	3865877	9.75E-05	9.51E-05	9.39E-05	3.37E-08	1.02E-07	5.90E-08	5.76E-08	5.22E-08	2.38E-08	2.35E-08	1.13E-09	2.72E-08	6.01E-09	7.82E-09	1.24E-08	2.19E-09	1.55E-09	5.83E-08	3.08E-08	1.31E-08	1.54E-08	6.03E-09	3.08E-08	1.31E-08
5302	492363.09	3865877	9.33E-05	9.11E-05	8.99E-05	3.23E-08	9.76E-08	5.65E-08	5.51E-08	5.00E-08	2.28E-08	2.25E-08	1.08E-09	2.61E-08	5.75E-09	7.48E-09	1.19E-08	2.09E-09	1.48E-09	5.58E-08	2.95E-08	1.25E-08	1.47E-08	5.78E-09	2.95E-08	1.25E-08
5303	492863.09	3865877	7.84E-05	7.65E-05	7.55E-05	2.71E-08	8.20E-08	4.74E-08	4.63E-08	4.20E-08	1.91E-08	1.89E-08	9.06E-10	2.19E-08	4.83E-09	6.29E-09	9.97E-09	1.76E-09	1.25E-09	4.69E-08	2.47E-08	1.05E-08	1.24E-08	4.85E-09	2.47E-08	1.05E-08
5304	493363.09	3865877	7.55E-05	7.37E-05	7.27E-05	2.61E-08	7.89E-08	4.57E-08	4.46E-08	4.04E-08	1.84E-08	1.82E-08	8.73E-10	2.11E-08	4.65E-09	6.05E-09	9.60E-09	1.69E-09	1.20E-09	4.52E-08	2.38E-08	1.01E-08	1.19E-08	4.67E-09	2.38E-08	1.01E-08
5305	493863.09	3865877	7.88E-05	7.69E-05	7.59E-05	2.73E-08	8.24E-08	4.77E-08	4.65E-08	4.22E-08	1.93E-08	1.90E-08	9.11E-10	2.20E-08	4.86E-09	6.32E-09	1.00E-08	1.77E-09	1.25E-09	4.71E-08	2.49E-08	1.06E-08	1.24E-08	4.88E-09	2.49E-08	1.06E-08
5306	494363.09	3865877	8.42E-05	8.22E-05	8.11E-05	2.92E-08	8.80E-08	5.10E-08	4.97E-08	4.51E-08	2.06E-08	2.03E-08	9.74E-10	2.35E-08	5.19E-09	6.75E-09	1.07E-08	1.89E-09	1.34E-09	5.04E-08	2.66E-08	1.13E-08	1.33E-08	5.21E-09	2.66E-08	1.13E-08
5307	494863.09	3865877	9.42E-05	9.19E-05	9.07E-05	3.26E-08	9.84E-08	5.70E-08	5.56E-08	5.04E-08	2.30E-08	2.27E-08	1.09E-09	2.63E-08	5.80E-09	7.55E-09	1.20E-08	2.11E-09	1.50E-09	5.63E-08	2.97E-08	1.26E-08	1.48E-08	5.83E-09	2.97E-08	1.26E-08
5308	495363.09	3865877	9.54E-05	9.31E-05	9.19E-05	3.30E-08	9.97E-08	5.77E-08	5.63E-08	5.11E-08	2.33E-08	2.30E-08	1.10E-09	2.66E-08	5.88E-09	7.65E-09	1.21E-08	2.14E-09	1.52E-09	5.71E-08	3.01E-08	1.28E-08	1.50E-08	5.91E-09	3.01E-08	1.28E-08
5309	495863.09	3865877	9.50E-05	9.27E-05	9.15E-05	3.29E-08	9.93E-08	5.75E-08	5.61E-08	5.09E-08	2.32E-08	2.29E-08	1.10E-09	2.65E-08	5.85E-09	7.62E-09	1.21E-08	2.13E-09	1.51E-09	5.68E-08	3.00E-08	1.27E-08	1.50E-08	5.88E-09	3.00E-08	1.27E-08
5310	496363.09	3865877	9.25E-05	9.03E-05	8.91E-05	3.20E-08	9.67E-08	5.60E-08	5.46E-08	4.95E-08	2.26E-08	2.23E-08	1.07E-09	2.58E-08	5.70E-09	7.42E-09	1.18E-08	2.07E-09	1.47E-09	5.53E-08	2.92E-08	1.24E-08	1.46E-08	5.73E-09	2.92E-08	1.24E-08
5311	496863.09	3865877	8.96E-05	8.74E-05	8.63E-05	3.10E-08	9.37E-08	5.42E-08	5.29E-08	4.80E-08	2.19E-08	2.16E-08	1.04E-09	2.50E-08	5.52E-09	7.18E-09	1.14E-08	2.01E-09	1.42E-09	5.36E-08	2.83E-08	1.20E-08	1.41E-08	5.55E-09	2.83E-08	1.20E-08
5312	497363.09	3865877	9.21E-05	8.99E-05	8.87E-05	3.19E-08	9.63E-08	5.57E-08	5.44E-08	4.93E-08	2.25E-08	2.22E-08	1.06E-09	2.57E-08	5.67E-09	7.38E-09	1.17E-08	2.06E-09	1.46E-09	5.51E-08	2.91E-08	1.23E-08	1.45E-08	5.70E-09	2.91E-08	1.23E-08
5313	497863.09	3865877	9.54E-05	9.31E-05	9.19E-05	3.30E-08	9.97E-08	5.77E-08	5.63E-08	5.11E-08	2.33E-08	2.30E-08	1.10E-09	2.66E-08	5.88E-09	7.65E-09	1.21E-08	2.14E-09	1.52E-09	5.71E-08	3.01E-08	1.28E-08	1.50E-08	5.91E-09	3.01E-08	1.28E-08
5314	498363.09	3865877	8.80E-05	8.58E-05	8.47E-05	3.04E-08	9.19E-08	5.32E-08	5.19E-08	4.71E-08	2.15E-08	2.12E-08	1.02E-09	2.46E-08	5.42E-09	7.05E-09	1.12E-08	1.97E-09	1.40E-09	5.26E-08	2.78E-08	1.18E-08	1.39E-08	5.44E-09	2.78E-08	1.18E-08
5315	471363.09	3866377	6.60E-05	6.44E-05	6.35E-05	2.28E-08	6.89E-08	3.99E-08	3.89E-08	3.53E-08	1.61E-08	1.59E-08	7.63E-10	1.84E-08	4.06E-09	5.29E-09	8.39E-09	1.48E-09	1.05E-09	3.94E-08	2.08E-08	8.83E-09	1.04E-08	4.08E-09	2.08E-08	8.83E-09
5316	471863.09	3866377	6.68E-05	6.52E-05	6.43E-05	2.31E-08	6.98E-08	4.04E-08	3.94E-08	3.58E-08	1.63E-08	1.61E-08	7.72E-10	1.87E-08	4.12E-09	5.35E-09	8.49E-09	1.50E-09	1.06E-09	3.99E-08	2.11E-08	8.94E-09	1.05E-08	4.13E-09	2.11E-08	8.94E-09
5317	472363.09	3866377	6.80E-05	6.64E-05	6.55E-05	2.36E-08	7.11E-08	4.12E-08	4.02E-08	3.64E-08	1.66E-08	1.64E-08	7.87E-10	1.90E-08	4.19E-09	5.45E-09	8.65E-09	1.52E-09	1.08E-09	4.07E-08	2.15E-08	9.11E-09	1.07E-08	4.21E-09	2.15E-08	9.11E-09
5318	472863.09	3866377	6.89E-05	6.72E-05	6.63E-05	2.38E-08	7.20E-08	4.17E-08	4.07E-08	3.69E-08	1.68E-08	1.66E-08	7.96E-10	1.92E-08	4.24E-09	5.52E-09	8.76E-09	1.54E-09	1.09E-09	4.12E-08	2.17E-08	9.22E-09	1.08E-08	4.26E-09	2.17E-08	9.22E-09
5319	473363.09	3866377	6.97E-05	6.80E-05	6.71E-05	2.41E-08	7.29E-08	4.22E-08	4.12E-08	3.73E-08	1.70E-08	1.68E-08	8.06E-10	1.95E-08	4.29E-09	5.59E-09	8.86E-09	1.56E-09	1.11E-09	4.17E-08	2.20E-08	9.33E-09	1.10E-08	4.31E-09	2.20E-08	9.33E-09
5320	473863.09	3866377	7.09E-05	6.92E-05	6.83E-05	2.46E-08	7.42E-08	4.29E-08	4.19E-08	3.80E-08	1.73E-08	1.71E-08	8.20E-10	1.98E-08	4.37E-09	5.69E-09	9.02E-09	1.59E-09	1.13E-09	4.24E-08	2.24E-08	9.50E-09	1.12E-08	4.39E-09	2.24E-08	9.50E-09
5321	474363.09	3866377	7.22E-05	7.04E-05	6.95E-05	2.50E-08	7.55E-08	4.37E-08	4.26E-08	3.86E-08	1.76E-08	1.74E-08	8.34E-10	2.02E-08	4.45E-09	5.79E-09	9.18E-09	1.62E-09	1.15E-09	4.32E-08	2.28E-08	9.67E-09	1.14E-08	4.47E-09	2.28E-08	9.67E-09

5322	474863.09	3866377	7.30E-05	7.13E-05	7.03E-05	2.53E-08	7.63E-08	4.42E-08	4.31E-08	3.91E-08	1.78E-08	1.76E-08	8.44E-10	2.04E-08	4.50E-09	5.85E-09	9.29E-09	1.64E-09	1.16E-09	4.37E-08	2.30E-08	9.78E-09	1.15E-08	4.52E-09	2.30E-08	9.78E-09
5323	475363.09	3866377	7.38E-05	7.21E-05	7.11E-05	2.56E-08	7.72E-08	4.47E-08	4.36E-08	3.95E-08	1.80E-08	1.78E-08	8.54E-10	2.06E-08	4.55E-09	5.92E-09	9.39E-09	1.66E-09	1.17E-09	4.42E-08	2.33E-08	9.89E-09	1.16E-08	4.57E-09	2.33E-08	9.89E-09
5324	475863.09	3866377	7.47E-05	7.29E-05	7.19E-05	2.59E-08	7.81E-08	4.52E-08	4.41E-08	4.00E-08	1.82E-08	1.80E-08	8.63E-10	2.09E-08	4.60E-09	5.99E-09	9.50E-09	1.67E-09	1.19E-09	4.47E-08	2.36E-08	1.00E-08	1.18E-08	4.62E-09	2.36E-08	1.00E-08
5325	476363.09	3866377	7.55E-05	7.37E-05	7.27E-05	2.61E-08	7.89E-08	4.57E-08	4.46E-08	4.04E-08	1.84E-08	1.82E-08	8.73E-10	2.11E-08	4.65E-09	6.05E-09	9.60E-09	1.69E-09	1.20E-09	4.52E-08	2.38E-08	1.01E-08	1.19E-08	4.67E-09	2.38E-08	1.01E-08
5326	476863.09	3866377	7.22E-05	7.04E-05	6.95E-05	2.50E-08	7.55E-08	4.37E-08	4.26E-08	3.86E-08	1.76E-08	1.74E-08	8.34E-10	2.02E-08	4.45E-09	5.79E-09	9.18E-09	1.62E-09	1.15E-09	4.32E-08	2.28E-08	9.67E-09	1.14E-08	4.47E-09	2.28E-08	9.67E-09
5327	477363.09	3866377	7.59E-05	7.41E-05	7.31E-05	2.63E-08	7.94E-08	4.59E-08	4.48E-08	4.06E-08	1.85E-08	1.83E-08	8.78E-10	2.12E-08	4.68E-09	6.09E-09	9.66E-09	1.70E-09	1.21E-09	4.54E-08	2.40E-08	1.02E-08	1.20E-08	4.70E-09	2.40E-08	1.02E-08
5328	477863.09	3866377	7.84E-05	7.65E-05	7.55E-05	2.71E-08	8.20E-08	4.74E-08	4.63E-08	4.20E-08	1.91E-08	1.89E-08	9.06E-10	2.19E-08	4.83E-09	6.29E-09	9.97E-09	1.76E-09	1.25E-09	4.69E-08	2.47E-08	1.05E-08	1.24E-08	4.85E-09	2.47E-08	1.05E-08
5329	478363.09	3866377	7.88E-05	7.69E-05	7.59E-05	2.73E-08	8.24E-08	4.77E-08	4.65E-08	4.22E-08	1.93E-08	1.90E-08	9.11E-10	2.20E-08	4.86E-09	6.32E-09	1.00E-08	1.77E-09	1.25E-09	4.71E-08	2.49E-08	1.06E-08	1.24E-08	4.88E-09	2.49E-08	1.06E-08
5330	478863.09	3866377	7.97E-05	7.77E-05	7.67E-05	2.76E-08	8.33E-08	4.82E-08	4.70E-08	4.26E-08	1.95E-08	1.92E-08	9.21E-10	2.22E-08	4.91E-09	6.39E-09	1.01E-08	1.79E-09	1.27E-09	4.76E-08	2.51E-08	1.07E-08	1.25E-08	4.93E-09	2.51E-08	1.07E-08
5331	479363.09	3866377	8.05E-05	7.85E-05	7.75E-05	2.79E-08	8.41E-08	4.87E-08	4.75E-08	4.31E-08	1.97E-08	1.94E-08	9.30E-10	2.25E-08	4.96E-09	6.45E-09	1.02E-08	1.80E-09	1.28E-09	4.81E-08	2.54E-08	1.08E-08	1.27E-08	4.98E-09	2.54E-08	1.08E-08
5332	479863.09	3866377	8.13E-05	7.93E-05	7.83E-05	2.81E-08	8.50E-08	4.92E-08	4.80E-08	4.35E-08	1.99E-08	1.96E-08	9.40E-10	2.27E-08	5.01E-09	6.52E-09	1.03E-08	1.82E-09	1.29E-09	4.86E-08	2.57E-08	1.09E-08	1.28E-08	5.03E-09	2.57E-08	1.09E-08
5333	480363.09	3866377	8.21E-05	8.02E-05	7.91E-05	2.84E-08	8.59E-08	4.97E-08	4.85E-08	4.40E-08	2.01E-08	1.98E-08	9.50E-10	2.29E-08	5.06E-09	6.59E-09	1.04E-08	1.84E-09	1.31E-09	4.91E-08	2.59E-08	1.10E-08	1.29E-08	5.08E-09	2.59E-08	1.10E-08
5334	480863.09	3866377	8.34E-05	8.14E-05	8.03E-05	2.89E-08	8.72E-08	5.05E-08	4.92E-08	4.46E-08	2.04E-08	2.01E-08	9.64E-10	2.33E-08	5.14E-09	6.68E-09	1.06E-08	1.87E-09	1.33E-09	4.99E-08	2.63E-08	1.12E-08	1.31E-08	5.16E-09	2.63E-08	1.12E-08
5335	481363.09	3866377	8.51E-05	8.30E-05	8.19E-05	2.94E-08	8.89E-08	5.15E-08	5.02E-08	4.55E-08	2.08E-08	2.05E-08	9.83E-10	2.37E-08	5.24E-09	6.82E-09	1.08E-08	1.91E-09	1.35E-09	5.09E-08	2.68E-08	1.14E-08	1.34E-08	5.26E-09	2.68E-08	1.14E-08
5336	481863.09	3866377	8.59E-05	8.38E-05	8.27E-05	2.97E-08	8.98E-08	5.20E-08	5.07E-08	4.60E-08	2.10E-08	2.07E-08	9.93E-10	2.40E-08	5.29E-09	6.88E-09	1.09E-08	1.92E-09	1.37E-09	5.14E-08	2.71E-08	1.15E-08	1.35E-08	5.31E-09	2.71E-08	1.15E-08
5337	482363.09	3866377	8.67E-05	8.46E-05	8.35E-05	3.00E-08	9.06E-08	5.25E-08	5.12E-08	4.64E-08	2.12E-08	2.09E-08	1.00E-09	2.42E-08	5.34E-09	6.95E-09	1.10E-08	1.94E-09	1.38E-09	5.19E-08	2.74E-08	1.16E-08	1.37E-08	5.37E-09	2.74E-08	1.16E-08
5338	482863.09	3866377	8.80E-05	8.58E-05	8.47E-05	3.04E-08	9.19E-08	5.32E-08	5.19E-08	4.71E-08	2.15E-08	2.12E-08	1.02E-09	2.46E-08	5.42E-09	7.05E-09	1.12E-08	1.97E-09	1.40E-09	5.26E-08	2.78E-08	1.18E-08	1.39E-08	5.44E-09	2.78E-08	1.18E-08
5339	483363.09	3866377	8.88E-05	8.66E-05	8.55E-05	3.07E-08	9.28E-08	5.37E-08	5.24E-08	4.75E-08	2.17E-08	2.14E-08	1.03E-09	2.48E-08	5.47E-09	7.12E-09	1.13E-08	1.99E-09	1.41E-09	5.31E-08	2.80E-08	1.19E-08	1.40E-08	5.49E-09	2.80E-08	1.19E-08
5340	483863.09	3866377	9.04E-05	8.83E-05	8.71E-05	3.13E-08	9.45E-08	5.47E-08	5.34E-08	4.84E-08	2.21E-08	2.18E-08	1.05E-09	2.53E-08	5.57E-09	7.25E-09	1.15E-08	2.03E-09	1.44E-09	5.41E-08	2.85E-08	1.21E-08	1.42E-08	5.60E-09	2.85E-08	1.21E-08
5341	484363.09	3866377	9.09E-05	8.87E-05	8.75E-05	3.15E-08	9.50E-08	5.50E-08	5.36E-08	4.86E-08	2.22E-08	2.19E-08	1.05E-09	2.54E-08	5.60E-09	7.28E-09	1.16E-08	2.04E-09	1.44E-09	5.43E-08	2.87E-08	1.22E-08	1.43E-08	5.62E-09	2.87E-08	1.22E-08
5342	484863.09	3866377	9.21E-05	8.99E-05	8.87E-05	3.19E-08	9.63E-08	5.57E-08	5.44E-08	4.93E-08	2.25E-08	2.22E-08	1.06E-09	2.57E-08	5.67E-09	7.38E-09	1.17E-08	2.06E-09	1.46E-09	5.51E-08	2.91E-08	1.23E-08	1.45E-08	5.70E-09	2.91E-08	1.23E-08
5343	485363.09	3866377	9.33E-05	9.11E-05	8.99E-05	3.23E-08	9.76E-08	5.65E-08	5.51E-08	5.00E-08	2.28E-08	2.25E-08	1.08E-09	2.61E-08	5.75E-09	7.48E-09	1.19E-08	2.09E-09	1.48E-09	5.58E-08	2.95E-08	1.25E-08	1.47E-08	5.78E-09	2.95E-08	1.25E-08
5344	485863.09	3866377	9.50E-05	9.27E-05	9.15E-05	3.29E-08	9.93E-08	5.75E-08	5.61E-08	5.09E-08	2.32E-08	2.29E-08	1.10E-09	2.65E-08	5.85E-09	7.62E-09	1.21E-08	2.13E-09	1.51E-09	5.68E-08	3.00E-08	1.27E-08	1.50E-08	5.88E-09	3.00E-08	1.27E-08
5345	486363.09	3866377	9.67E-05	9.43E-05	9.31E-05	3.35E-08	1.01E-07	5.85E-08	5.71E-08	5.17E-08	2.36E-08	2.33E-08	1.12E-09	2.70E-08	5.96E-09	7.75E-09	1.23E-08	2.17E-09	1.54E-09	5.78E-08	3.05E-08	1.29E-08	1.52E-08	5.98E-09	3.05E-08	1.29E-08
5346	486863.09	3866377	9.83E-05	9.59E-05	9.47E-05	3.40E-08	1.03E-07	5.95E-08	5.81E-08	5.26E-08	2.40E-08	2.37E-08	1.14E-09	2.75E-08	6.06E-09	7.88E-09	1.25E-08	2.20E-09	1.56E-09	5.88E-08	3.10E-08	1.32E-08	1.55E-08	6.09E-09	3.10E-08	1.32E-08
5347	487363.09	3866377	1.00E-04	9.76E-05	9.63E-05	3.46E-08	1.05E-07	6.05E-08	5.90E-08	5.35E-08	2.44E-08	2.41E-08	1.16E-09	2.79E-08	6.16E-09	8.02E-09	1.27E-08	2.24E-09	1.59E-09	5.98E-08	3.16E-08	1.34E-08	1.58E-08	6.19E-09	3.16E-08	1.34E-08
5348	487863.09	3866377	1.00E-04	9.76E-05	9.63E-05	3.46E-08	1.05E-07	6.05E-08	5.90E-08	5.35E-08	2.44E-08	2.41E-08	1.16E-09	2.79E-08	6.16E-09	8.02E-09	1.27E-08	2.24E-09	1.59E-09	5.98E-08	3.16E-08	1.34E-08	1.58E-08	6.19E-09	3.16E-08	1.34E-08
5349	488363.09	3866377	1.02E-04	9.92E-05	9.79E-05	3.52E-08	1.06E-07	6.15E-08	6.00E-08	5.44E-08	2.48E-08	2.45E-08	1.17E-09	2.84E-08	6.26E-09	8.15E-09	1.29E-08	2.28E-09	1.62E-09	6.08E-08	3.21E-08	1.36E-08	1.60E-08	6.29E-09	3.21E-08	1.36E-08
5350	488863.09	3866377	9.83E-05	9.59E-05	9.47E-05	3.40E-08	1.03E-07	5.95E-08	5.81E-08	5.26E-08	2.40E-08	2.37E-08	1.14E-09	2.75E-08	6.06E-09	7.88E-09	1.25E-08	2.20E-09	1.56E-09	5.88E-08	3.10E-08	1.32E-08	1.55E-08	6.09E-09	3.10E-08	1.32E-08
5351	489363.09	3866377	9.58E-05	9.35E-05	9.23E-05	3.32E-08	1.00E-07	5.80E-08	5.66E-08	5.13E-08	2.34E-08	2.31E-08	1.11E-09	2.68E-08	5.90E-09	7.68E-09	1.22E-08	2.15E-09	1.52E-09	5.73E-08	3.02E-08	1.28E-08	1.51E-08	5.93E-09	3.02E-08	1.28E-08
5352	489863.09	3866377	9.13E-05	8.91E-05	8.79E-05	3.16E-08	9.54E-08	5.52E-08	5.39E-08	4.89E-08	2.23E-08	2.20E-08	1.06E-09	2.55E-08	5.62E-09	7.32E-09	1.16E-08	2.05E-09	1.45E-09	5.46E-08	2.88E-08	1.22E-08	1.44E-08	5.65E-09	2.88E-08	1.22E-08
5353	490363.09	3866377	1.02E-04	9.96E-05	9.83E-05	3.53E-08	1.07E-07	6.18E-08	6.03E-08	5.46E-08	2.49E-08	2.46E-08	1.18E-09	2.85E-08	6.29E-09	8.18E-09	1.30E-08	2.29E-09	1.62E-09	6.10E-08	3.22E-08	1.37E-08	1.61E-08	6.32E-09	3.22E-08	1.37E-08
5354	490863.09	3866377	1.05E-04	1.02E-04	1.01E-04	3.62E-08	1.09E-07	6.33E-08	6.17E-08	5.60E-08	2.55E-08	2.52E-08	1.21E-09	2.92E-08	6.44E-09	8.38E-09	1.33E-08	2.34E-09	1.66E-09	6.25E-08	3.30E-08	1.40E-08	1.65E-08	6.47E-09	3.30E-08	1.40E-08
5355	491363.09	3866377	1.00E-04	9.76E-05	9.63E-05	3.46E-08	1.05E-07	6.05E-08	5.90E-08	5.35E-08	2.44E-08	2.41E-08	1.16E-09	2.79E-08	6.16E-09	8.02E-09	1.27E-08	2.24E-09	1.59E-09	5.98E-08	3.16E-08	1.34E-08	1.58E-08	6.19E-09	3.16E-08	1.34E-08
5356	491863.09	3866377	8.38E-05	8.18E-05	8.07E-05	2.90E-08	8.76E-08	5.07E-08	4.95E-08	4.49E-08	2.05E-08	2.02E-08	9.69E-10	2.34E-08	5.16E-09	6.72E-09	1.07E-08	1.88E-09	1.33E-09	5.01E-08	2.65E-08	1.12E-08	1.32E-08	5.19E-09	2.65E-08	1.12E-08
5357	492363.09	3866377	8.51E-05	8.30E-05	8.19E-05	2.94E-08	8.89E-08	5.15E-08	5.02E-08	4.55E-08	2.08E-08	2.05E-08	9.83E-10	2.37E-08	5.24E-09	6.82E-09	1.08E-08	1.91E-09	1.35E-09	5.09E-08	2.68E-08	1.14E-08	1.34E-08	5.26E-09	2.68E-08	1.14E-08
5358	492863.09	3866377	7.88E-05	7.69E-05	7.59E-05	2.73E-08	8.24E-08	4.77E-08	4.65E-08	4.22E-08	1.93E-08	1.90E-08	9.11E-10	2.20E-08	4.86E-09	6.32E-09	1.00E-08	1.77E-09	1.25E-09	4.71E-08	2.49E-08	1.06E-08	1.24E-08	4.88E-09	2.49E-08	1.06E-08
5359	493363.09	3866377	7.84E-05	7.65E-05	7.55E-05	2.71E-08	8.20E-08	4.74E-08	4.63E-08	4.20E-08	1.91E-08	1.89E-08	9.06E-10	2.19E-08	4.83E-09	6.29E-09	9.97E-09	1.76E-09	1.25E-09	4.69E-08	2.47E-08	1.05E-08	1.24E-08	4.85E-09	2.47E-08	1.05E-08
5360	493863.09	3866377	7.97E-05	7.77E-05	7.67E-05	2.76E-08	8.33E-08	4.82E-08	4.70E-08	4.26E-08	1.95E-08	1.92E-08	9.21E-10	2.22E-08	4.91E-09	6.39E-09	1.01E-08	1.79E-09	1.27E-09	4.76E-08	2.51E-08	1.07E-08	1.25E-08	4.93E-09	2.51E-08	1.07E-08
5361	494363.09	3866377	8.42E-05	8.22E-05	8.11E-05	2.92E-08	8.80E-08	5.10E-08	4.97E-08	4.51E-08	2.06E-08	2.03E-08	9.74E-10	2.35E-08	5.19E-09	6.75E-09	1.07E-08	1.89E-09	1.34E-09	5.04E-08	2.66E-08	1.13E-08	1.33E-08	5.21E-09	2.66E-08	1.13E-08
5362	494863.09	3866377	8.30E-05	8.10E-05	7.99E-05	2.87E-08	8.67E-08	5.02E-08	4.90E-08	4.44E-08	2.03E-08	2.00E-08	9.59E-10	2.32E-08	5.11E-09	6.65E-09	1.06E-08	1.86E-09	1.32E-09	4.96E-08	2.62E-08	1.11E-08	1.31E-08	5.14E-09	2.62E-08	1.11E-08
5363	495363.09	3866377	7.97E-05	7.77E-05	7.67E-05	2.76E-08	8.33E-08	4.82E-08	4.70E-08	4.26E-08	1.95E-08	1.92E-08	9.21E-10	2.22E-08	4.91E-09	6.39E-09	1.01E-08	1.79E-09	1.27E-09	4.76E-08	2.51E-08	1.07E-08	1.25E-08	4.93E-09	2.51E-08	1.07E-08
5364	495863.09	3866377	7.80E-05	7.61E-05	7.51E-05	2.70E-08	8.15E-08	4.72E-08	4.61E-08	4.17E-08	1.90E-08	1.88E-08	9.02E-10	2.18E-08	4.81E-09	6.25E-09	9.92E-09	1.75E-09	1.24E-09	4.66E-08	2.46E-08	1.04E-08	1.23E-08	4.83E-09	2.46E-08	1.04E-08
5365	496363.09	3866377	7.80E-05	7.61E-05	7.51E-05	2.70E-08	8.15E-08	4.72E-08	4.61E-08	4.17E-08	1.90E-08	1.88E-08	9.02E-10	2.18E-08	4.81E-09	6.25E-09	9.92E-09	1.75E-09	1.24E-09	4.66E-08	2.46E-08	1.04E-08	1.23E-08	4.83E-09	2.46E-08	1.04E-08
5366	496863.09	3866377	7.72E-05	7.53E-05	7.43E-05	2.67E-08	8.07E-08	4.67E-08	4.56E-08	4.13E-08	1.88E-08	1.86E-08	8.92E-10	2.15E-08	4.75E-09	6.19E-09	9.81E-09	1.73E-09	1.23E-09	4.61E-08	2.44E-08	1.03E-08	1.22E-08	4.78E-09	2.44E-08	1.03E-08
5367	497363.09	3866377	7.88E-05	7.69E-05	7.59E-05	2.73E-08	8.24E-08	4.77E-08	4.65E-08	4.22E-08	1.93E-08	1.90E-08	9.11E-10	2.20E-08	4.86E-09	6.32E-09	1.00E-08	1.77E-09	1.25E-09	4.71E-08	2.49E-08	1.06E-08	1.24E-08	4.88E-09	2.49E-08	1.06E-08
5368	497863.09	3866377	8.01E-05	7.81E-05	7.71E-05	2.77E-08	8.37E-08	4.84E-08	4.73E-08	4.29E-08	1.96E-08	1.93E-08	9.26E-10	2.24E-08	4.93E-09	6.42E-09	1.02E-08	1.79E-09	1.27E-09	4.79E-08	2.53E-08	1.07E-08	1.26E-08	4.96E-09	2.53E-08	1.07E-08
5369	498363.09	3866377	7.30E-05	7.13E-05	7.03E-05	2.53E-08	7.63E-08	4.42E-08	4.31E-08	3.91E-08	1.78E-08	1.76E-08	8.44E-10	2.04E-08	4.50E-09	5.85E-09	9.29E-09	1.64E-09	1.16E-09	4.37E-08	2.30E-08	9.78E-09	1.15E-08	4.52E-09	2.30E-08	9.78E-09
5370	474494.92	3848334	2.85E-02	2.78E-02	2.75E-02	9.87E-06	2.98E-05	1.73E-05	1.68E-05	1.53E-05	6.97E-06	6.87E-06	3.30E-07	7.96E-06	1.76E-06	2.29E-06	3.63E-06	6.39E-07	4.53E-07	1.71E-05	9.00E-06	3.82E-06	4.49E-06	1.77E-06	9.00E-06	3.82E-06
5371	475167.27	3848921	3.37E-02	3.29E-02	3.24E-02	1.17E-05	3.52E-05	2.04E-05	1.99E-05	1.80E-05	8.23E-06	8.12E-06	3.89E-07	9.41E-06	2.08E-06	2.70E-06	4.28E-06	7.55E-07	5.35E-07	2.01E-05	1.06E-05	4.51E-06	5.31E-06	2.08E-06	1.06E-05	4.51E-06
5372	475297.89	3848998	2.62E-02	2.56E-02	2.52E-02	9.07E-06	2.74E-05	1.59E-05	1.55E-05	1.40E-05	6.40E-06	6.32E-06	3.03E-07	7.32E-06	1.62E-06	2.10E-06	3.33E-06	5.87E-07	4.17E-07	1.57E-05	8.27E-06	3.51E-06	4.13E-06	1.62E-06	8.27E-06	3.51E-06
5373	475439.05	3849062	3.05E-02	2.97E-02	2.93E-02	1.05E-05	3.18E-05	1.84E-05	1.80E-05	1.63E-05	7.44E-06	7.34E-06	3.52E-07	8.51E-06	1.88E-06	2.44E-06	3.87E-06	6.83E-07	4.84E-07	1.82E-05	9.62E-06	4.08E-06	4.80E-06	1.89E-06	9.62E-06	4.08E-06
5374	475486.86	3849061	2.25E-02	2.19E-02	2.16E-02	7.78E-06	2.35E-05	1.36E-05	1.33E-05	1.20E-05	5.49E-06	5.42E-06	2.60E-07	6.28E-06	1.38E-06	1.80E-06	2.86E-06	5.04E-07	3.57E-07	1.34E-05	7.09E-06	3.01E-06	3.54E-06	1.39E-06	7.09E-06	3.01E-06
5375	475538.46	3849076	2.28E-02	2.23E-02	2.20E-02	7.89E-06	2.38E-05	1.38E-05	1.35E-05	1.22E-05	5.57E-06	5.50E-06	2.64E-07	6.37E-06	1.41E-06	1.83E-06	2.90E-06	5.11E-07	3.62E-07	1.36E-05	7.20E-06	3.05E-06	3.59E-06	1.41E-06	7.20E-06	3.05E-06
5376	475751.79	3849137	3.36E-02	3.28E-02	3.23E-02	1.16E-05	3.51E-05	2.03E-05	1.98E-05	1.80E-05	8.20E-06	8.09E-06	3.88E-07	9.38E-06	2.07E-06	2.69E-06	4.27E-06	7.53E-07	5.34E-07	2.01E-05	1.06E-05	4.50E-06	5.29E-06	2.08E-06	1.06E-05	4.50E-06
5377	476303.62	3849223	3.05E-02	2.97E-02	2.93E-02	1.05E-05	3.18E-05	1.84E-05	1.80E-05	1.63E-05	7.44E-06	7.34E-06	3.52E-07	8.50E-06	1.88E-06	2.44E-06	3.87E-06	6.83E-07	4.84E-07	1.82E-05	9.61E-06	4.08E-06	4.80E-06	1.88E-06	9.61E-06	4.08E-06
5378	476304.51	3849239	4.23E-02	4.13E-02	4.07E-02	1.46E-05	4.42E-05	2.56E-05	2.50E-05	2.26E-05	1.03E-05	1.02E-05	4.89E-07	1.18E-05	2.60E-06	3.39E-06	5.38E-06	9.47E-07	6.72E-07	2.53E-05	1.33E-05	5.66E-06	6.66E-06	2.62E-06	1.33E-05	5.66E-06
5379	476365.04	3849248	3.78E-02	3.69E-02	3.64E-02	1.31E-05	3.95E-05	2.29E-05	2.23E-05	2.02E-05	9.23E-06	9.10E-06	4.37E-07	1.05E-05	2.33E-06	3.03E-06	4.80E-06	8.47E-07	6.00E-07	2.26E-05	1.19E-05	5.06E-06	5.95E-06	2.34E-06	1.19E-05	5.06E-06
5380	476444.86	3849267	3.80E-02	3.71E-02	3.66E-02	1.32E-05	3.97E-05	2.30E-05	2.24E-05	2.03E-05	9.28E-06	9.16E-06	4.39E-07	1.06E-05	2.34E-06	3.05E-06	4.83E-06	8.52E-07	6.04E-07	2.27E-05	1.20E-05	5.09E-06	5.99E-06	2.35E-06	1.20E-05	5.09E-06
5381	476550.75	3849301	4.55E-02	4.44E-02	4.38E-02	1.57E-05	4.75E-05	2.75E-05	2.68E-05	2.43E-05	1.11E-05	1.10E-05	5.25E-07	1.27E-05	2.80E-06	3.64E-06	5.78E-06	1.02E-06	7.23E-07	2.72E-05	1.43E-05	6.09E-06	7.16E-06	2.81E-06	1.43E-05	6.09E-06
5382	476656.71	3849347	3.91E-02	3.82E-02	3.77E-02	1.35E-05	4.09E-05	2.37E-05	2.31E-05	2.09E-05	9.55E-06	9.42E-06	4.52E-07	1.09E-05	2.41E-06	3.14E-06	4.97E-06	8.77E-07	6.22E-07	2.34E-05	1.23E-05	5.24E-06	6.16E-06	2.42E-06	1.23E-05	5.24E-06
5383	476873.55	3849455	3.90E-02	3.80E-02	3.75E-02	1.35E-05	4.07E-05	2.36E-05	2.30E-05	2.09E-05	9.52E-06	9.39E-06	4.51E-07	1.09E-05	2.40E-06	3.12E-06	4.96E-06	8.74E-07	6.20E-07	2.33E-05	1.23E-05	5.22E-06	6.14E-06	2.41E-06	1.23E-05	5.22E-06
5384	477700	3849860	3.80E-02	3.71E-02	3.66E-02	1.32E-05	3.98E-05	2.30E-05	2.25E-05	2.04E-05	9.29E-06	9.17E-06	4.40E-07	1.06E-05	2.34E-06	3.05E-06	4.84E-06	8.52E-07	6.05E-07	2.27E-05	1.20E-05	5.09E-06	5.99E-06	2.35E-06	1.20E-05	5.09E-06
5385	477743.16	3849856	2.70E-02	2.63E-02	2.60E-02	9.35E-06	2.82E-05	1.63E-05	1.59E-05	1.44E-05	6.59E-06	6.51E-06	3.12E-07	7.54E-06	1.66E-06	2.16E-06	3.43E-06	6.05E-07	4.29E-07	1.61E-05	8.52E-06	3.62E-06	4.25E-06	1.67E-06	8.52E-06	3.62E-06
5386	478477.35	3850216	2.80E-02	2.73E-02	2.69E-02	9.68E-06	2.92E-05	1.69E-05	1.65E-05	1.50E-05	6.83E-06	6.74E-06	3.23E-07	7.81E-06	1.72E-06	2.24E-06	3.56E-06	6.27E-07	4.45E-07	1.67E-05	8.83E-06	3.75E-06	4.41E-06	1.73E-06	8.83E-06	3.75E-06
5387	478485.8	3850202	2.16E-02	2.11E-02	2.08E-02	7.47E-06	2.26E-05	1.31E-05	1.27E-05	1.15E-05	5.27E-06	5.20E-06	2.49E-07	6.02E-06	1.33E-06	1.73E-06	2.74E-06	4.84E-07	3.43E-07	1.29E-05	6.81E-06	2.89E-06	3.40E-06	1.34E-06	6.81E-06	2.89E-06
5388	479113.21	3850502	1.98E-02	1.93E-02	1.91E-02	6.86E-06	2.07E-05	1.20E-05	1.17E-05	1.06E-05	4.84E-06	4.77E-06	2.29E-07	5.53E-06	1.22E-06	1.59E-06	2.52E-06	4.44E-07	3.15E-07	1.18E-05	6.25E-06	2.65E-06	3.12E-06	1.23E-06	6.25E-06	2.65E-06
5389	479108.11	3850382	8.02E-03	7.83E-03	7.72E-03	2.78E-06	8.39E-06	4.85E-06	4.74E-06	4.29E-06	1.96E-06	1.93E-06	9.27E-08	2.24E-06	4.94E-07	6.43E-07	1.02E-06	1.80E-07	1.28E-07	4.80E-06	2.53E-06	1.07E-06	1.26E-06	4.97E-07	2.53E-06	1.07E-06
5390	479689.85	3850674	8.32E-03	8.12E-03	8.01E-03	2.88E-06	8.70E-06	5.03E-06	4.91E-06	4.45E-06	2.03E-06	2.01E-06	9.62E-08	2.32E-06	5.13E-07	6.67E-07	1.06E-06	1.86E-07	1.32E-07	4.98E-06	2.63E-06	1.11E-06	1.31E-06	5.15E-07	2.63E-06	1.11E-06
5391	479952.42	3850774	7.22E-03	7.04E-03	6.95E-03	2.50E-06	7.54E-06	4.37E-06	4.26E-06	3.86E-06	1.76E-06	1.74E-06	8.34E-08	2.02E-06	4.45E-07	5.79E-07	9.18E-07	1.62E-07	1.15E-07	4.32E-06	2.28E-06	9.66E-07	1.14E-06	4.47E-07	2.28E-06	9.66E-07
5392	479911.32	3850885	1.86E-02	1.81E-02	1.79E-02	6.43E-06	1.94E-05	1.12E-05	1.10E-05	9.94E-06	4.54E-06	4.48E-06	2.15E-07	5.19E-06	1.14E-06	1.49E-06	2.36E-06	4.16E-07	2.95E-07	1.11E-05	5.86E-06	2.49E-06	2.93E-06	1.15E-06	5.86E-06	2.49E-06
5393	480500.92	3851178	1.94E-02	1.89E-02	1.87E-02	6.71E-06	2.03E-05	1.17E-05	1.14E-05	1.04E-05	4.73E-06	4.67E-06	2.24E-07	5.41E-06	1.19E-06	1.55E-06	2.47E-06	4.34E-07	3.08E-07	1.16E-05	6.12E-06	2.60E-06	3.05E-06	1.20E-06	6.12E-06	2.60E-06
5394	480738.01	3851289	1.83E-02	1.79E-02	1.76E-02	6.33E-06	1.91E-05	1.11E-05	1.08E-05	9.79E-06	4.47E-06	4.41E-06	2.12E-07	5.11E-06	1.13E-06	1.47E-06	2.33E-06	4.10E-07	2.91E-07	1.09E-05	5.78E-06	2.45E-06	2.88E-06	1.13E-06	5.78E-06	2.45E-06
5395	481055.42	3851444	1.78E-02	1.74E-02	1.72E-02	6.17E-06	1.86E-05	1.08E-05	1.05E-05	9.54E-06	4.35E-06	4.30E-06	2.06E-07	4.98E-06	1.10E-06	1.43E-06	2.27E-06	4.00E-07	2.83E-07	1.07E-05	5.63E-06	2.39E-06	2.81E-06	1.10E-06	5.63E-06	2.39E-06

5396	481110.22	3851443	1.35E-02	1.31E-02	1.30E-02	4.66E-06	1.41E-05	8.15E-06	7.95E-06	7.21E-06	3.29E-06	3.24E-06	1.56E-07	3.76E-06	8.30E-07	1.08E-06	1.71E-06	3.02E-07	2.14E-07	8.05E-06	4.25E-06	1.80E-06	2.12E-06	8.33E-07	4.25E-06	1.80E-06
5397	481111.1	3851417	1.09E-02	1.07E-02	1.05E-02	3.78E-06	1.14E-05	6.61E-06	6.45E-06	5.85E-06	2.67E-06	2.63E-06	1.26E-07	3.05E-06	6.73E-07	8.76E-07	1.39E-06	2.45E-07	1.74E-07	6.53E-06	3.45E-06	1.46E-06	1.72E-06	6.76E-07	3.45E-06	1.46E-06
5398	482248.44	3852605	2.05E-02	2.00E-02	1.97E-02	7.08E-06	2.14E-05	1.24E-05	1.21E-05	1.09E-05	5.00E-06	4.93E-06	2.36E-07	5.71E-06	1.26E-06	1.64E-06	2.60E-06	4.58E-07	3.25E-07	1.22E-05	6.46E-06	2.74E-06	3.22E-06	1.27E-06	6.46E-06	2.74E-06
5399	482273.34	3852632	2.09E-02	2.04E-02	2.01E-02	7.23E-06	2.18E-05	1.26E-05	1.23E-05	1.12E-05	5.10E-06	5.03E-06	2.41E-07	5.83E-06	1.29E-06	1.67E-06	2.65E-06	4.68E-07	3.32E-07	1.25E-05	6.59E-06	2.80E-06	3.29E-06	1.29E-06	6.59E-06	2.80E-06
5400	482665.46	3853039	1.67E-02	1.63E-02	1.61E-02	5.78E-06	1.75E-05	1.01E-05	9.86E-06	8.94E-06	4.08E-06	4.02E-06	1.93E-07	4.66E-06	1.03E-06	1.34E-06	2.12E-06	3.74E-07	2.65E-07	9.99E-06	5.27E-06	2.24E-06	2.63E-06	1.03E-06	5.27E-06	2.24E-06
5401	483077.95	3853844	7.85E-03	7.66E-03	7.56E-03	2.72E-06	8.21E-06	4.75E-06	4.64E-06	4.20E-06	1.92E-06	1.89E-06	9.08E-08	2.19E-06	4.84E-07	6.29E-07	9.99E-07	1.76E-07	1.25E-07	4.70E-06	2.48E-06	1.05E-06	1.24E-06	4.86E-07	2.48E-06	1.05E-06
5402	483121.38	3853909	7.13E-03	6.96E-03	6.87E-03	2.47E-06	7.46E-06	4.32E-06	4.21E-06	3.82E-06	1.74E-06	1.72E-06	8.25E-08	1.99E-06	4.39E-07	5.72E-07	9.07E-07	1.60E-07	1.13E-07	4.27E-06	2.25E-06	9.55E-07	1.12E-06	4.41E-07	2.25E-06	9.55E-07
5403	483492.64	3853911	2.71E-03	2.65E-03	2.61E-03	9.39E-07	2.83E-06	1.64E-06	1.60E-06	1.45E-06	6.62E-07	6.54E-07	3.13E-08	7.57E-07	1.67E-07	2.17E-07	3.45E-07	6.08E-08	4.31E-08	1.62E-06	8.56E-07	3.63E-07	4.27E-07	1.68E-07	8.56E-07	3.63E-07
5404	483498.29	3854205	6.53E-03	6.37E-03	6.29E-03	2.26E-06	6.83E-06	3.95E-06	3.86E-06	3.50E-06	1.60E-06	1.57E-06	7.55E-08	1.82E-06	4.02E-07	5.24E-07	8.31E-07	1.46E-07	1.04E-07	3.91E-06	2.06E-06	8.75E-07	1.03E-06	4.04E-07	2.06E-06	8.75E-07
5405	484132.44	3854663	1.07E-02	1.04E-02	1.03E-02	3.70E-06	1.12E-05	6.47E-06	6.31E-06	5.72E-06	2.61E-06	2.58E-06	1.24E-07	2.98E-06	6.59E-07	8.57E-07	1.36E-06	2.40E-07	1.70E-07	6.39E-06	3.37E-06	1.43E-06	1.68E-06	6.61E-07	3.37E-06	1.43E-06
5406	484627.62	3854876	9.45E-03	9.22E-03	9.10E-03	3.27E-06	9.87E-06	5.72E-06	5.58E-06	5.06E-06	2.31E-06	2.28E-06	1.09E-07	2.64E-06	5.82E-07	7.57E-07	1.20E-06	2.12E-07	1.50E-07	5.65E-06	2.98E-06	1.27E-06	1.49E-06	5.85E-07	2.98E-06	1.27E-06
5407	484756.14	3854949	9.45E-03	9.22E-03	9.10E-03	3.27E-06	9.88E-06	5.72E-06	5.58E-06	5.06E-06	2.31E-06	2.28E-06	1.09E-07	2.64E-06	5.82E-07	7.58E-07	1.20E-06	2.12E-07	1.50E-07	5.65E-06	2.98E-06	1.27E-06	1.49E-06	5.85E-07	2.98E-06	1.27E-06
5408	486697.51	3856599	3.83E-03	3.74E-03	3.69E-03	1.33E-06	4.01E-06	2.32E-06	2.26E-06	2.05E-06	9.36E-07	9.24E-07	4.43E-08	1.07E-06	2.36E-07	3.07E-07	4.88E-07	8.59E-08	6.09E-08	2.29E-06	1.21E-06	5.13E-07	6.04E-07	2.37E-07	1.21E-06	5.13E-07
5409	487105.31	3856962	3.67E-03	3.58E-03	3.53E-03	1.27E-06	3.83E-06	2.22E-06	2.17E-06	1.96E-06	8.96E-07	8.84E-07	4.24E-08	1.02E-06	2.26E-07	2.94E-07	4.66E-07	8.22E-08	5.83E-08	2.19E-06	1.16E-06	4.91E-07	5.78E-07	2.27E-07	1.16E-06	4.91E-07
5410	487157.57	3856902	2.89E-03	2.82E-03	2.78E-03	9.99E-07	3.02E-06	1.75E-06	1.70E-06	1.54E-06	7.05E-07	6.95E-07	3.33E-08	8.06E-07	1.78E-07	2.31E-07	3.67E-07	6.47E-08	4.59E-08	1.73E-06	9.11E-07	3.86E-07	4.54E-07	1.79E-07	9.11E-07	3.86E-07
5411	487173.5	3856854	2.59E-03	2.53E-03	2.49E-03	8.96E-07	2.71E-06	1.57E-06	1.53E-06	1.39E-06	6.32E-07	6.24E-07	2.99E-08	7.23E-07	1.59E-07	2.07E-07	3.29E-07	5.80E-08	4.11E-08	1.55E-06	8.17E-07	3.47E-07	4.08E-07	1.60E-07	8.17E-07	3.47E-07
5412	487564.41	3856861	1.74E-03	1.70E-03	1.67E-03	6.01E-07	1.82E-06	1.05E-06	1.03E-06	9.30E-07	4.24E-07	4.19E-07	2.01E-08	4.85E-07	1.07E-07	1.39E-07	2.21E-07	3.89E-08	2.76E-08	1.04E-06	5.48E-07	2.33E-07	2.74E-07	1.08E-07	5.48E-07	2.33E-07
5413	487563.31	3856932	1.86E-03	1.81E-03	1.79E-03	6.43E-07	1.94E-06	1.12E-06	1.10E-06	9.95E-07	4.54E-07	4.48E-07	2.15E-08	5.19E-07	1.15E-07	1.49E-07	2.36E-07	4.17E-08	2.95E-08	1.11E-06	5.87E-07	2.49E-07	2.93E-07	1.15E-07	5.87E-07	2.49E-07
5414	487782.7	3856927	1.58E-03	1.54E-03	1.52E-03	5.45E-07	1.65E-06	9.53E-07	9.30E-07	8.43E-07	3.85E-07	3.80E-07	1.82E-08	4.40E-07	9.71E-08	1.26E-07	2.00E-07	3.53E-08	2.50E-08	9.42E-07	4.97E-07	2.11E-07	2.48E-07	9.75E-08	4.97E-07	2.11E-07
5415	487782.39	3856757	1.40E-03	1.36E-03	1.34E-03	4.83E-07	1.46E-06	8.45E-07	8.24E-07	7.47E-07	3.41E-07	3.36E-07	1.61E-08	3.90E-07	8.60E-08	1.12E-07	1.78E-07	3.13E-08	2.22E-08	8.35E-07	4.41E-07	1.87E-07	2.20E-07	8.64E-08	4.41E-07	1.87E-07
5416	487917.26	3856752	1.30E-03	1.27E-03	1.25E-03	4.51E-07	1.36E-06	7.88E-07	7.69E-07	6.97E-07	3.18E-07	3.14E-07	1.51E-08	3.64E-07	8.03E-08	1.04E-07	1.66E-07	2.92E-08	2.07E-08	7.79E-07	4.11E-07	1.75E-07	2.05E-07	8.06E-08	4.11E-07	1.75E-07
5417	487919.57	3856953	1.48E-03	1.44E-03	1.42E-03	5.12E-07	1.55E-06	8.95E-07	8.74E-07	7.92E-07	3.61E-07	3.57E-07	1.71E-08	4.13E-07	9.12E-08	1.19E-07	1.88E-07	3.32E-08	2.35E-08	8.85E-07	4.67E-07	1.98E-07	2.33E-07	9.16E-08	4.67E-07	1.98E-07
5418	487932.76	3857000	1.52E-03	1.48E-03	1.46E-03	5.25E-07	1.59E-06	9.18E-07	8.96E-07	8.12E-07	3.71E-07	3.66E-07	1.75E-08	4.24E-07	9.35E-08	1.22E-07	1.93E-07	3.40E-08	2.41E-08	9.07E-07	4.79E-07	2.03E-07	2.39E-07	9.39E-08	4.79E-07	2.03E-07
5419	487960.5	3857045	1.54E-03	1.50E-03	1.48E-03	5.34E-07	1.61E-06	9.33E-07	9.10E-07	8.25E-07	3.76E-07	3.71E-07	1.78E-08	4.30E-07	9.50E-08	1.24E-07	1.96E-07	3.45E-08	2.45E-08	9.22E-07	4.86E-07	2.06E-07	2.43E-07	9.54E-08	4.86E-07	2.06E-07
5420	488016.54	3857090	1.54E-03	1.50E-03	1.48E-03	5.33E-07	1.61E-06	9.31E-07	9.09E-07	8.24E-07	3.76E-07	3.71E-07	1.78E-08	4.30E-07	9.48E-08	1.23E-07	1.96E-07	3.45E-08	2.45E-08	9.20E-07	4.86E-07	2.06E-07	2.42E-07	9.52E-08	4.86E-07	2.06E-07
5421	488114.39	3857165	1.54E-03	1.50E-03	1.48E-03	5.32E-07	1.61E-06	9.30E-07	9.08E-07	8.23E-07	3.75E-07	3.70E-07	1.78E-08	4.29E-07	9.47E-08	1.23E-07	1.95E-07	3.45E-08	2.44E-08	9.19E-07	4.85E-07	2.06E-07	2.42E-07	9.51E-08	4.85E-07	2.06E-07
5422	488171.49	3857234	1.57E-03	1.53E-03	1.51E-03	5.42E-07	1.64E-06	9.48E-07	9.25E-07	8.38E-07	3.82E-07	3.77E-07	1.81E-08	4.37E-07	9.65E-08	1.26E-07	1.99E-07	3.51E-08	2.49E-08	9.37E-07	4.94E-07	2.10E-07	2.47E-07	9.69E-08	4.94E-07	2.10E-07
5423	488193.16	3857298	1.63E-03	1.59E-03	1.57E-03	5.63E-07	1.70E-06	9.84E-07	9.60E-07	8.70E-07	3.97E-07	3.92E-07	1.88E-08	4.54E-07	1.00E-07	1.30E-07	2.07E-07	3.64E-08	2.59E-08	9.73E-07	5.13E-07	2.18E-07	2.56E-07	1.01E-07	5.13E-07	2.18E-07
5424	488189.27	3857650	2.32E-03	2.26E-03	2.23E-03	8.02E-07	2.42E-06	1.40E-06	1.37E-06	1.24E-06	5.66E-07	5.58E-07	2.68E-08	6.47E-07	1.43E-07	1.86E-07	2.95E-07	5.19E-08	3.68E-08	1.39E-06	7.31E-07	3.10E-07	3.65E-07	1.43E-07	7.31E-07	3.10E-07
5425	488127.43	3857732	2.78E-03	2.72E-03	2.68E-03	9.64E-07	2.91E-06	1.68E-06	1.64E-06	1.49E-06	6.80E-07	6.71E-07	3.22E-08	7.77E-07	1.72E-07	2.23E-07	3.54E-07	6.24E-08	4.43E-08	1.67E-06	8.79E-07	3.73E-07	4.39E-07	1.72E-07	8.79E-07	3.73E-07
5426	488149.93	3857753	2.79E-03	2.72E-03	2.68E-03	9.65E-07	2.91E-06	1.69E-06	1.65E-06	1.49E-06	6.81E-07	6.72E-07	3.22E-08	7.78E-07	1.72E-07	2.23E-07	3.55E-07	6.25E-08	4.43E-08	1.67E-06	8.80E-07	3.73E-07	4.39E-07	1.73E-07	8.80E-07	3.73E-07
5427	488144.76	3857759	2.83E-03	2.76E-03	2.73E-03	9.80E-07	2.96E-06	1.71E-06	1.67E-06	1.52E-06	6.91E-07	6.82E-07	3.27E-08	7.91E-07	1.74E-07	2.27E-07	3.60E-07	6.35E-08	4.50E-08	1.69E-06	8.94E-07	3.79E-07	4.46E-07	1.75E-07	8.94E-07	3.79E-07
5428	488335.58	3857933	2.93E-03	2.86E-03	2.82E-03	1.02E-06	3.06E-06	1.77E-06	1.73E-06	1.57E-06	7.16E-07	7.07E-07	3.39E-08	8.19E-07	1.81E-07	2.35E-07	3.73E-07	6.57E-08	4.66E-08	1.75E-06	9.26E-07	3.93E-07	4.62E-07	1.81E-07	9.26E-07	3.93E-07
5429	488372.29	3857944	2.85E-03	2.78E-03	2.75E-03	9.87E-07	2.98E-06	1.73E-06	1.68E-06	1.53E-06	6.96E-07	6.87E-07	3.30E-08	7.96E-07	1.76E-07	2.29E-07	3.63E-07	6.39E-08	4.53E-08	1.71E-06	9.00E-07	3.82E-07	4.49E-07	1.76E-07	9.00E-07	3.82E-07
5430	488828.64	3857936	1.89E-03	1.84E-03	1.82E-03	6.53E-07	1.97E-06	1.14E-06	1.11E-06	1.01E-06	4.61E-07	4.55E-07	2.18E-08	5.27E-07	1.16E-07	1.51E-07	2.40E-07	4.23E-08	3.00E-08	1.13E-06	5.95E-07	2.53E-07	2.97E-07	1.17E-07	5.95E-07	2.53E-07
5431	488829.08	3857960	1.93E-03	1.88E-03	1.85E-03	6.67E-07	2.01E-06	1.17E-06	1.14E-06	1.03E-06	4.70E-07	4.64E-07	2.23E-08	5.38E-07	1.19E-07	1.54E-07	2.45E-07	4.32E-08	3.06E-08	1.15E-06	6.08E-07	2.58E-07	3.03E-07	1.19E-07	6.08E-07	2.58E-07
5432	488351.61	3857965	3.03E-03	2.96E-03	2.92E-03	1.05E-06	3.17E-06	1.83E-06	1.79E-06	1.62E-06	7.40E-07	7.30E-07	3.50E-08	8.46E-07	1.87E-07	2.43E-07	3.85E-07	6.79E-08	4.81E-08	1.81E-06	9.56E-07	4.06E-07	4.77E-07	1.87E-07	9.56E-07	4.06E-07
5433	488316.87	3857948	3.08E-03	3.01E-03	2.97E-03	1.07E-06	3.22E-06	1.87E-06	1.82E-06	1.65E-06	7.53E-07	7.43E-07	3.56E-08	8.61E-07	1.90E-07	2.47E-07	3.92E-07	6.91E-08	4.90E-08	1.84E-06	9.73E-07	4.13E-07	4.86E-07	1.91E-07	9.73E-07	4.13E-07
5434	488129.1	3857776	2.97E-03	2.90E-03	2.86E-03	1.03E-06	3.11E-06	1.80E-06	1.75E-06	1.59E-06	7.26E-07	7.16E-07	3.44E-08	8.30E-07	1.83E-07	2.38E-07	3.78E-07	6.66E-08	4.72E-08	1.78E-06	9.38E-07	3.98E-07	4.68E-07	1.84E-07	9.38E-07	3.98E-07
5435	488062.53	3857846	3.82E-03	3.73E-03	3.68E-03	1.32E-06	4.00E-06	2.31E-06	2.26E-06	2.05E-06	9.34E-07	9.21E-07	4.42E-08	1.07E-06	2.36E-07	3.06E-07	4.86E-07	8.57E-08	6.08E-08	2.29E-06	1.21E-06	5.12E-07	6.02E-07	2.37E-07	1.21E-06	5.12E-07
5436	488330.41	3858091	3.97E-03	3.87E-03	3.82E-03	1.37E-06	4.15E-06	2.40E-06	2.34E-06	2.12E-06	9.69E-07	9.56E-07	4.59E-08	1.11E-06	2.45E-07	3.18E-07	5.05E-07	8.89E-08	6.31E-08	2.37E-06	1.25E-06	5.31E-07	6.25E-07	2.46E-07	1.25E-06	5.31E-07
5437	488470.87	3858174	3.74E-03	3.65E-03	3.60E-03	1.30E-06	3.91E-06	2.27E-06	2.21E-06	2.00E-06	9.14E-07	9.02E-07	4.33E-08	1.05E-06	2.31E-07	3.00E-07	4.76E-07	8.39E-08	5.95E-08	2.24E-06	1.18E-06	5.01E-07	5.90E-07	2.32E-07	1.18E-06	5.01E-07
5438	488568.9	3858262	3.92E-03	3.83E-03	3.78E-03	1.36E-06	4.10E-06	2.37E-06	2.32E-06	2.10E-06	9.58E-07	9.45E-07	4.53E-08	1.10E-06	2.42E-07	3.14E-07	4.99E-07	8.79E-08	6.23E-08	2.35E-06	1.24E-06	5.25E-07	6.18E-07	2.43E-07	1.24E-06	5.25E-07
5439	488964.27	3858026	1.87E-03	1.82E-03	1.80E-03	6.47E-07	1.95E-06	1.13E-06	1.10E-06	1.00E-06	4.57E-07	4.50E-07	2.16E-08	5.22E-07	1.15E-07	1.50E-07	2.38E-07	4.19E-08	2.97E-08	1.12E-06	5.90E-07	2.50E-07	2.95E-07	1.16E-07	5.90E-07	2.50E-07
5440	489147.25	3857957	1.58E-03	1.54E-03	1.52E-03	5.47E-07	1.65E-06	9.55E-07	9.32E-07	8.45E-07	3.86E-07	3.81E-07	1.83E-08	4.41E-07	9.73E-08	1.27E-07	2.01E-07	3.54E-08	2.51E-08	9.44E-07	4.98E-07	2.11E-07	2.49E-07	9.77E-08	4.98E-07	2.11E-07
5441	489343.52	3857932	1.40E-03	1.37E-03	1.35E-03	4.86E-07	1.47E-06	8.50E-07	8.29E-07	7.52E-07	3.43E-07	3.39E-07	1.62E-08	3.92E-07	8.66E-08	1.13E-07	1.79E-07	3.15E-08	2.23E-08	8.40E-07	4.43E-07	1.88E-07	2.21E-07	8.69E-08	4.43E-07	1.88E-07
5442	489866.19	3857923	1.13E-03	1.11E-03	1.09E-03	3.92E-07	1.18E-06	6.86E-07	6.69E-07	6.07E-07	2.77E-07	2.73E-07	1.31E-08	3.16E-07	6.98E-08	9.09E-08	1.44E-07	2.54E-08	1.80E-08	6.78E-07	3.58E-07	1.52E-07	1.79E-07	7.01E-08	3.58E-07	1.52E-07
5443	489955.65	3857902	1.09E-03	1.06E-03	1.05E-03	3.76E-07	1.13E-06	6.57E-07	6.41E-07	5.81E-07	2.65E-07	2.62E-07	1.25E-08	3.03E-07	6.69E-08	8.70E-08	1.38E-07	2.43E-08	1.73E-08	6.49E-07	3.43E-07	1.45E-07	1.71E-07	6.72E-08	3.43E-07	1.45E-07
5444	490079.44	3857848	1.03E-03	1.00E-03	9.89E-04	3.56E-07	1.07E-06	6.22E-07	6.07E-07	5.50E-07	2.51E-07	2.48E-07	1.19E-08	2.87E-07	6.33E-08	8.24E-08	1.31E-07	2.30E-08	1.63E-08	6.15E-07	3.24E-07	1.38E-07	1.62E-07	6.36E-08	3.24E-07	1.38E-07
5445	490108.49	3857934	1.06E-03	1.03E-03	1.02E-03	3.65E-07	1.10E-06	6.39E-07	6.23E-07	5.65E-07	2.58E-07	2.54E-07	1.22E-08	2.95E-07	6.50E-08	8.46E-08	1.34E-07	2.37E-08	1.68E-08	6.31E-07	3.33E-07	1.41E-07	1.66E-07	6.53E-08	3.33E-07	1.41E-07
5446	489884.48	3858014	1.18E-03	1.15E-03	1.14E-03	4.09E-07	1.23E-06	7.14E-07	6.97E-07	6.32E-07	2.88E-07	2.84E-07	1.36E-08	3.30E-07	7.27E-08	9.46E-08	1.50E-07	2.65E-08	1.88E-08	7.06E-07	3.73E-07	1.58E-07	1.86E-07	7.30E-08	3.73E-07	1.58E-07
5447	489326.56	3858026	1.51E-03	1.47E-03	1.45E-03	5.22E-07	1.58E-06	9.13E-07	8.91E-07	8.08E-07	3.69E-07	3.64E-07	1.74E-08	4.21E-07	9.30E-08	1.21E-07	1.92E-07	3.38E-08	2.40E-08	9.03E-07	4.76E-07	2.02E-07	2.38E-07	9.34E-08	4.76E-07	2.02E-07
5448	489130.38	3858057	1.72E-03	1.68E-03	1.66E-03	5.95E-07	1.80E-06	1.04E-06	1.01E-06	9.20E-07	4.20E-07	4.14E-07	1.99E-08	4.80E-07	1.06E-07	1.38E-07	2.19E-07	3.85E-08	2.73E-08	1.03E-06	5.42E-07	2.30E-07	2.71E-07	1.06E-07	5.42E-07	2.30E-07
5449	488936.49	3858144	2.15E-03	2.10E-03	2.07E-03	7.44E-07	2.25E-06	1.30E-06	1.27E-06	1.15E-06	5.25E-07	5.18E-07	2.48E-08	6.00E-07	1.32E-07	1.72E-07	2.73E-07	4.82E-08	3.42E-08	1.29E-06	6.78E-07	2.88E-07	3.39E-07	1.33E-07	6.78E-07	2.88E-07
5450	488638.08	3858327	4.01E-03	3.91E-03	3.86E-03	1.39E-06	4.19E-06	2.43E-06	2.37E-06	2.15E-06	9.79E-07	9.66E-07	4.63E-08	1.12E-06	2.47E-07	3.21E-07	5.10E-07	8.98E-08	6.37E-08	2.40E-06	1.27E-06	5.37E-07	6.31E-07	2.48E-07	1.27E-06	5.37E-07
5451	488663.79	3858350	4.02E-03	3.92E-03	3.87E-03	1.39E-06	4.20E-06	2.43E-06	2.37E-06	2.15E-06	9.82E-07	9.69E-07	4.65E-08	1.12E-06	2.48E-07	3.22E-07	5.11E-07	9.01E-08	6.39E-08	2.40E-06	1.27E-06	5.38E-07	6.33E-07	2.49E-07	1.27E-06	5.38E-07
5452	488694.56	3858350	3.81E-03	3.72E-03	3.67E-03	1.32E-06	3.99E-06	2.31E-06	2.25E-06	2.04E-06	9.31E-07	9.19E-07	4.41E-08	1.06E-06	2.35E-07	3.06E-07	4.85E-07	8.55E-08	6.06E-08	2.28E-06	1.20E-06	5.11E-07	6.01E-07	2.36E-07	1.20E-06	5.11E-07
5453	488694.35	3858337	3.72E-03	3.63E-03	3.58E-03	1.29E-06	3.88E-06	2.25E-06	2.19E-06	1.99E-06	9.08E-07	8.95E-07	4.30E-08	1.04E-06	2.29E-07	2.98E-07	4.73E-07	8.33E-08	5.91E-08	2.22E-06	1.17E-06	4.98E-07	5.85E-07	2.30E-07	1.17E-06	4.98E-07
5454	488712.81	3858336	3.61E-03	3.52E-03	3.47E-03	1.25E-06	3.77E-06	2.18E-06	2.13E-06	1.93E-06	8.81E-07	8.69E-07	4.17E-08	1.01E-06	2.22E-07	2.89E-07	4.59E-07	8.09E-08	5.73E-08	2.16E-06	1.14E-06	4.83E-07	5.68E-07	2.23E-07	1.14E-06	4.83E-07
5455	488713.23	3858367	3.84E-03	3.75E-03	3.70E-03	1.33E-06	4.01E-06	2.32E-06	2.27E-06	2.06E-06	9.38E-07	9.25E-07	4.44E-08	1.07E-06	2.37E-07	3.08E-07	4.88E-07	8.61E-08	6.10E-08	2.30E-06	1.21E-06	5.14E-07	6.05E-07	2.38E-07	1.21E-06	5.14E-07
5456	488704.63	3858384	4.04E-03	3.94E-03	3.89E-03	1.40E-06	4.22E-06	2.45E-06	2.39E-06	2.16E-06	9.87E-07	9.74E-07	4.67E-08	1.13E-06	2.49E-07	3.24E-07	5.14E-07	9.06E-08	6.42E-08	2.42E-06	1.28E-06	5.41E-07	6.37E-07	2.50E-07	1.28E-06	5.41E-07
5457	488604.15	3858488	7.05E-03	6.88E-03	6.78E-03	2.44E-06	7.37E-06	4.26E-06	4.16E-06	3.77E-06	1.72E-06	1.70E-06	8.15E-08	1.97E-06	4.34E-07	5.65E-07	8.96E-07	1.58E-07	1.12E-07	4.21E-06	2.22E-06	9.44E-07	1.11E-06	4.36E-07	2.22E-06	9.44E-07
5458	488605.66	3858550	9.47E-03	9.24E-03	9.11E-03	3.28E-06	9.89E-06	5.73E-06	5.59E-06	5.07E-06	2.31E-06	2.28E-06	1.09E-07	2.64E-06	5.83E-07	7.59E-07	1.20E-06	2.12E-07	1.50E-07	5.66E-06	2.99E-06	1.27E-06	1.49E-06	5.86E-07	2.99E-06	1.27E-06
5459	488692.68	3858549	6.71E-03	6.55E-03	6.47E-03	2.32E-06	7.02E-06	4.06E-06	3.96E-06	3.59E-06	1.64E-06	1.62E-06	7.76E-08	1.87E-06	4.14E-07	5.38E-07	8.54E-07	1.50E-07	1.07E-07	4.02E-06	2.12E-06	8.99E-07	1.06E-06	4.16E-07	2.12E-06	8.99E-07
5460	488759.93	3858462	4.38E-03	4.27E-03	4.21E-03	1.51E-06	4.57E-06	2.65E-06	2.58E-06	2.34E-06	1.07E-06	1.05E-06	5.06E-08	1.22E-06	2.70E-07	3.51E-07	5.57E-07	9.81E-08	6.96E-08	2.62E-06	1.38E-06	5.86E-07	6.89E-07	2.71E-07	1.38E-06	5.86E-07
5461	488816.57	3858542	4.81E-03	4.69E-03	4.63E-03	1.66E-06	5.02E-06	2.91E-06	2.84E-06	2.57E-06	1.17E-06	1.16E-06	5.55E-08	1.34E-06	2.96E-07	3.85E-07	6.11E-07	1.08E-07	7.64E-08	2.87E-06	1.52E-06	6.44E-07	7.57E-07	2.97E-07	1.52E-06	6.44E-07
5462	488944.63	3858657	5.11E-03	4.98E-03	4.92E-03	1.77E-06	5.34E-06	3.09E-06	3.01E-06	2.73E-06	1.25E-06	1.23E-06	5.90E-08	1.43E-06	3.15E-07	4.09E-07	6.49E-07	1.14E-07	8.12E-08	3.05E-06	1.61E-06	6.84E-07	8.04E-07	3.16E-07	1.61E-06	6.84E-07
5463	489134.91	3858831	6.14E-03	5.99E-03	5.91E-03	2.13E-06	6.42E-06	3.72E-06	3.63E-06	3.29E-06	1.50E-06	1.48E-06	7.10E-08	1.71E-06	3.78E-07	4.92E-07	7.81E-07	1.38E-07	9.76E-08	3.67E-06	1.94E-06	8.22E-07	9.67E-07	3.80E-07	1.94E-06	8.22E-07
5464	489193.99	3858886	6.61E-03	6.45E-03	6.37E-03	2.29E-06	6.91E-06	4.00E-06	3.90E-06	3.54E-06	1.62E-06	1.59E-06	7.64E-08	1.85E-06	4.07E-07	5.30E-07	8.41E-07	1.48E-07	1.05E-07	3.96E-06	2.09E-06	8.86E-07	1.04E-06	4.09E-07	2.09E-06	8.86E-07
5465	489295.2	3858954	6.80E-03	6.64E-03	6.55E-03	2.35E-06	7.11E-06	4.12E-06	4.02E-06	3.64E-06	1.66E-06	1.64E-06	7.86E-08	1.90E-06	4.19E-07	5.45E-07	8.65E-07	1.52E-07	1.08E-07	4.07E-06	2.15E-06	9.11E-07	1.07E-06	4.21E-07	2.15E-06	9.11E-07
5466	489295.64	3858993	8.10E-03	7.90E-03	7.80E-03	2.80E-06	8.47E-06	4.90E-06	4.78E-06	4.34E-06	1.98E-06	1.95E-06	9.36E-08	2.26E-06	4.99E-07	6.49E-07	1.03E-06	1.82E-07	1.29E-07	4.84E-06	2.56E-06	1.08E-06	1.28E-06	5.01E-07	2.56E-06	1.08E-06
5467	489183.74	3858912	7.60E-03	7.42E-03	7.32E-03	2.63E-06	7.95E-06	4.60E-06	4.49E-06	4.07E-06	1.86E-06	1.83E-06	8.79E-08	2.12E-06	4.68E-07	6.09E-07	9.67E-07	1.70E-07	1.21E-07	4.55E-06	2.40E-06	1.02E-06	1.20E-06	4.70E-07	2.40E-06	1.02E-06
5468	488873.37	3858626	5.41E-03	5.28E-03	5.21E-03	1.87E-06	5.65E-06	3.27E-06	3.19E-06	2.89E-06	1.32E-06	1.30E-06	6.25E-08	1.51E-06	3.33E-07	4.33E-07	6.88E-07	1.21E-07	8.59E-08	3.23E-06	1.71E-06	7.24E-07	8.52E-07	3.35E-07	1.71E-06	7.24E-07
5469	488842.84	3858659	6.54E-03	6.38E-03	6.30E-03	2.26E-06	6.84E-06	3.96E-06	3.86E-06	3.50E-06	1.60E-06	1.58E-06	7.56E-08	1.83E-06	4.03E-07	5.25E-07	8.32E-07	1.47E-07	1.04E-07	3.91E-06	2.07E-06	8.76E-07	1.03E-06	4.05E-07	2.07E-06	8.76E-07

5470	488856.39	3858671	6.60E-03	6.44E-03	6.35E-03	2.28E-06	6.89E-06	3.99E-06	3.89E-06	3.53E-06	1.61E-06	1.59E-06	7.62E-08	1.84E-06	4.06E-07	5.29E-07	8.39E-07	1.48E-07	1.05E-07	3.94E-06	2.08E-06	8.83E-07	1.04E-06	4.08E-07	2.08E-06	8.83E-07
5471	488805.7	3858725	1.02E-02	9.95E-03	9.82E-03	3.53E-06	1.07E-05	6.17E-06	6.02E-06	5.46E-06	2.49E-06	2.46E-06	1.18E-07	2.85E-06	6.29E-07	8.18E-07	1.30E-06	2.29E-07	1.62E-07	6.10E-06	3.22E-06	1.37E-06	1.61E-06	6.31E-07	3.22E-06	1.37E-06
5472	488805.87	3858804	2.06E-02	2.01E-02	1.98E-02	7.13E-06	2.15E-05	1.25E-05	1.22E-05	1.10E-05	5.03E-06	4.96E-06	2.38E-07	5.75E-06	1.27E-06	1.65E-06	2.62E-06	4.62E-07	3.27E-07	1.23E-05	6.50E-06	2.76E-06	3.24E-06	1.27E-06	6.50E-06	2.76E-06
5473	488995.78	3858937	2.23E-02	2.18E-02	2.15E-02	7.73E-06	2.34E-05	1.35E-05	1.32E-05	1.20E-05	5.46E-06	5.38E-06	2.58E-07	6.24E-06	1.38E-06	1.79E-06	2.84E-06	5.01E-07	3.55E-07	1.34E-05	7.05E-06	2.99E-06	3.52E-06	1.38E-06	7.05E-06	2.99E-06
5474	489130.76	3859017	2.06E-02	2.01E-02	1.99E-02	7.14E-06	2.16E-05	1.25E-05	1.22E-05	1.10E-05	5.04E-06	4.97E-06	2.38E-07	5.76E-06	1.27E-06	1.65E-06	2.62E-06	4.62E-07	3.28E-07	1.23E-05	6.51E-06	2.76E-06	3.25E-06	1.28E-06	6.51E-06	2.76E-06
5475	489130.92	3859052	3.22E-02	3.14E-02	3.10E-02	1.11E-05	3.36E-05	1.95E-05	1.90E-05	1.72E-05	7.86E-06	7.75E-06	3.72E-07	8.98E-06	1.98E-06	2.58E-06	4.09E-06	7.21E-07	5.11E-07	1.92E-05	1.02E-05	4.31E-06	5.07E-06	1.99E-06	1.02E-05	4.31E-06
5476	489200.33	3859091	3.05E-02	2.97E-02	2.93E-02	1.05E-05	3.18E-05	1.84E-05	1.80E-05	1.63E-05	7.44E-06	7.34E-06	3.52E-07	8.51E-06	1.88E-06	2.44E-06	3.87E-06	6.83E-07	4.84E-07	1.82E-05	9.62E-06	4.08E-06	4.80E-06	1.89E-06	9.62E-06	4.08E-06
5477	489296.07	3859144	2.99E-02	2.92E-02	2.88E-02	1.04E-05	3.13E-05	1.81E-05	1.77E-05	1.60E-05	7.30E-06	7.21E-06	3.46E-07	8.35E-06	1.84E-06	2.40E-06	3.80E-06	6.70E-07	4.75E-07	1.79E-05	9.44E-06	4.01E-06	4.71E-06	1.85E-06	9.44E-06	4.01E-06
5478	489296.43	3858955	6.79E-03	6.63E-03	6.54E-03	2.35E-06	7.10E-06	4.11E-06	4.01E-06	3.64E-06	1.66E-06	1.64E-06	7.85E-08	1.90E-06	4.18E-07	5.44E-07	8.64E-07	1.52E-07	1.08E-07	4.06E-06	2.14E-06	9.09E-07	1.07E-06	4.20E-07	2.14E-06	9.09E-07
5479	489410.33	3859033	7.15E-03	6.98E-03	6.89E-03	2.48E-06	7.47E-06	4.33E-06	4.22E-06	3.83E-06	1.75E-06	1.72E-06	8.27E-08	2.00E-06	4.41E-07	5.73E-07	9.09E-07	1.60E-07	1.14E-07	4.28E-06	2.26E-06	9.58E-07	1.13E-06	4.43E-07	2.26E-06	9.58E-07
5480	489371.37	3859090	1.11E-02	1.09E-02	1.07E-02	3.86E-06	1.17E-05	6.74E-06	6.58E-06	5.97E-06	2.72E-06	2.69E-06	1.29E-07	3.11E-06	6.87E-07	8.94E-07	1.42E-06	2.50E-07	1.77E-07	6.67E-06	3.52E-06	1.49E-06	1.76E-06	6.90E-07	3.52E-06	1.49E-06
5481	489390.52	3859103	1.13E-02	1.11E-02	1.09E-02	3.92E-06	1.18E-05	6.86E-06	6.69E-06	6.07E-06	2.77E-06	2.73E-06	1.31E-07	3.16E-06	6.98E-07	9.08E-07	1.44E-06	2.54E-07	1.80E-07	6.78E-06	3.58E-06	1.52E-06	1.79E-06	7.01E-07	3.58E-06	1.52E-06
5482	489382.3	3859115	1.28E-02	1.25E-02	1.23E-02	4.44E-06	1.34E-05	7.76E-06	7.57E-06	6.86E-06	3.13E-06	3.09E-06	1.48E-07	3.58E-06	7.90E-07	1.03E-06	1.63E-06	2.87E-07	2.04E-07	7.67E-06	4.05E-06	1.72E-06	2.02E-06	7.94E-07	4.05E-06	1.72E-06
5483	489363.04	3859102	1.27E-02	1.24E-02	1.22E-02	4.39E-06	1.33E-05	7.68E-06	7.49E-06	6.79E-06	3.10E-06	3.06E-06	1.47E-07	3.54E-06	7.82E-07	1.02E-06	1.61E-06	2.84E-07	2.02E-07	7.59E-06	4.01E-06	1.70E-06	2.00E-06	7.85E-07	4.01E-06	1.70E-06
5484	489337.52	3859141	2.12E-02	2.07E-02	2.04E-02	7.33E-06	2.21E-05	1.28E-05	1.25E-05	1.13E-05	5.17E-06	5.10E-06	2.45E-07	5.91E-06	1.30E-06	1.70E-06	2.69E-06	4.75E-07	3.37E-07	1.27E-05	6.68E-06	2.84E-06	3.34E-06	1.31E-06	6.68E-06	2.84E-06
5485	489375.14	3859165	2.19E-02	2.14E-02	2.11E-02	7.59E-06	2.29E-05	1.33E-05	1.29E-05	1.17E-05	5.35E-06	5.28E-06	2.53E-07	6.12E-06	1.35E-06	1.76E-06	2.79E-06	4.91E-07	3.48E-07	1.31E-05	6.92E-06	2.93E-06	3.45E-06	1.36E-06	6.92E-06	2.93E-06
5486	489409.3	3859115	1.14E-02	1.12E-02	1.10E-02	3.96E-06	1.19E-05	6.92E-06	6.75E-06	6.12E-06	2.79E-06	2.75E-06	1.32E-07	3.19E-06	7.04E-07	9.16E-07	1.45E-06	2.56E-07	1.82E-07	6.84E-06	3.61E-06	1.53E-06	1.80E-06	7.07E-07	3.61E-06	1.53E-06
5487	489434.87	3859132	1.17E-02	1.14E-02	1.12E-02	4.04E-06	1.22E-05	7.07E-06	6.90E-06	6.25E-06	2.85E-06	2.81E-06	1.35E-07	3.26E-06	7.20E-07	9.36E-07	1.49E-06	2.62E-07	1.86E-07	6.98E-06	3.69E-06	1.56E-06	1.84E-06	7.23E-07	3.69E-06	1.56E-06
5488	489471.87	3859076	7.42E-03	7.24E-03	7.14E-03	2.57E-06	7.75E-06	4.49E-06	4.38E-06	3.97E-06	1.81E-06	1.79E-06	8.58E-08	2.07E-06	4.57E-07	5.95E-07	9.44E-07	1.66E-07	1.18E-07	4.44E-06	2.34E-06	9.94E-07	1.17E-06	4.59E-07	2.34E-06	9.94E-07
5489	489602.62	3859165	8.03E-03	7.84E-03	7.73E-03	2.78E-06	8.40E-06	4.86E-06	4.74E-06	4.30E-06	1.96E-06	1.94E-06	9.29E-08	2.24E-06	4.95E-07	6.44E-07	1.02E-06	1.80E-07	1.28E-07	4.80E-06	2.54E-06	1.08E-06	1.27E-06	4.97E-07	2.54E-06	1.08E-06
5490	489558.29	3859232	1.51E-02	1.47E-02	1.45E-02	5.22E-06	1.58E-05	9.12E-06	8.90E-06	8.07E-06	3.68E-06	3.63E-06	1.74E-07	4.21E-06	9.29E-07	1.21E-06	1.92E-06	3.38E-07	2.40E-07	9.01E-06	4.76E-06	2.02E-06	2.37E-06	9.33E-07	4.76E-06	2.02E-06
5491	489620.11	3859274	1.61E-02	1.57E-02	1.55E-02	5.57E-06	1.68E-05	9.74E-06	9.50E-06	8.62E-06	3.93E-06	3.88E-06	1.86E-07	4.49E-06	9.92E-07	1.29E-06	2.05E-06	3.61E-07	2.56E-07	9.63E-06	5.08E-06	2.16E-06	2.54E-06	9.96E-07	5.08E-06	2.16E-06
5492	489666.06	3859206	8.32E-03	8.12E-03	8.01E-03	2.88E-06	8.70E-06	5.04E-06	4.91E-06	4.45E-06	2.03E-06	2.01E-06	9.62E-08	2.32E-06	5.13E-07	6.67E-07	1.06E-06	1.87E-07	1.32E-07	4.98E-06	2.63E-06	1.11E-06	1.31E-06	5.15E-07	2.63E-06	1.11E-06
5493	489787.9	3859286	8.92E-03	8.70E-03	8.59E-03	3.09E-06	9.32E-06	5.40E-06	5.27E-06	4.77E-06	2.18E-06	2.15E-06	1.03E-07	2.49E-06	5.50E-07	7.15E-07	1.13E-06	2.00E-07	1.42E-07	5.33E-06	2.81E-06	1.19E-06	1.40E-06	5.52E-07	2.81E-06	1.19E-06
5494	489752.17	3859343	1.57E-02	1.53E-02	1.51E-02	5.42E-06	1.64E-05	9.48E-06	9.25E-06	8.38E-06	3.82E-06	3.77E-06	1.81E-07	4.37E-06	9.65E-07	1.26E-06	1.99E-06	3.51E-07	2.49E-07	9.37E-06	4.94E-06	2.10E-06	2.47E-06	9.69E-07	4.94E-06	2.10E-06
5495	489814.94	3859385	1.69E-02	1.65E-02	1.63E-02	5.84E-06	1.76E-05	1.02E-05	9.96E-06	9.03E-06	4.12E-06	4.07E-06	1.95E-07	4.71E-06	1.04E-06	1.35E-06	2.15E-06	3.78E-07	2.68E-07	1.01E-05	5.33E-06	2.26E-06	2.66E-06	1.04E-06	5.33E-06	2.26E-06
5496	489853.42	3859331	9.42E-03	9.19E-03	9.07E-03	3.26E-06	9.85E-06	5.70E-06	5.56E-06	5.04E-06	2.30E-06	2.27E-06	1.09E-07	2.63E-06	5.81E-07	7.55E-07	1.20E-06	2.11E-07	1.50E-07	5.63E-06	2.97E-06	1.26E-06	1.48E-06	5.83E-07	2.97E-06	1.26E-06
5497	489969.5	3859402	9.89E-03	9.65E-03	9.53E-03	3.42E-06	1.03E-05	5.99E-06	5.84E-06	5.30E-06	2.42E-06	2.38E-06	1.14E-07	2.76E-06	6.10E-07	7.93E-07	1.26E-06	2.22E-07	1.57E-07	5.92E-06	3.12E-06	1.32E-06	1.56E-06	6.12E-07	3.12E-06	1.32E-06
5498	490166.91	3859487	9.00E-03	8.79E-03	8.67E-03	3.12E-06	9.41E-06	5.45E-06	5.32E-06	4.82E-06	2.20E-06	2.17E-06	1.04E-07	2.51E-06	5.55E-07	7.22E-07	1.15E-06	2.02E-07	1.43E-07	5.39E-06	2.84E-06	1.21E-06	1.42E-06	5.57E-07	2.84E-06	1.21E-06
5499	490128.86	3859571	2.25E-02	2.19E-02	2.17E-02	7.78E-06	2.35E-05	1.36E-05	1.33E-05	1.20E-05	5.49E-06	5.42E-06	2.60E-07	6.28E-06	1.39E-06	1.80E-06	2.86E-06	5.04E-07	3.57E-07	1.34E-05	7.10E-06	3.01E-06	3.54E-06	1.39E-06	7.10E-06	3.01E-06
5500	490186.65	3859594	2.27E-02	2.22E-02	2.19E-02	7.87E-06	2.38E-05	1.38E-05	1.34E-05	1.22E-05	5.55E-06	5.48E-06	2.63E-07	6.35E-06	1.40E-06	1.82E-06	2.89E-06	5.10E-07	3.61E-07	1.36E-05	7.18E-06	3.04E-06	3.58E-06	1.41E-06	7.18E-06	3.04E-06
5501	490223.74	3859517	9.36E-03	9.13E-03	9.01E-03	3.24E-06	9.78E-06	5.66E-06	5.52E-06	5.01E-06	2.28E-06	2.25E-06	1.08E-07	2.61E-06	5.76E-07	7.50E-07	1.19E-06	2.10E-07	1.49E-07	5.60E-06	2.95E-06	1.25E-06	1.47E-06	5.79E-07	2.95E-06	1.25E-06
5502	490846.34	3859817	1.40E-02	1.36E-02	1.35E-02	4.84E-06	1.46E-05	8.45E-06	8.25E-06	7.48E-06	3.41E-06	3.37E-06	1.61E-07	3.90E-06	8.61E-07	1.12E-06	1.78E-06	3.13E-07	2.22E-07	8.35E-06	4.41E-06	1.87E-06	2.20E-06	8.65E-07	4.41E-06	1.87E-06
5503	490925.65	3859845	1.29E-02	1.26E-02	1.24E-02	4.47E-06	1.35E-05	7.81E-06	7.62E-06	6.91E-06	3.15E-06	3.11E-06	1.49E-07	3.60E-06	7.95E-07	1.03E-06	1.64E-06	2.89E-07	2.05E-07	7.72E-06	4.07E-06	1.73E-06	2.03E-06	7.99E-07	4.07E-06	1.73E-06
5504	491159.29	3859896	8.83E-03	8.62E-03	8.50E-03	3.06E-06	9.23E-06	5.34E-06	5.21E-06	4.73E-06	2.16E-06	2.13E-06	1.02E-07	2.47E-06	5.44E-07	7.08E-07	1.12E-06	1.98E-07	1.40E-07	5.28E-06	2.79E-06	1.18E-06	1.39E-06	5.46E-07	2.79E-06	1.18E-06
5505	491370.69	3859961	6.72E-03	6.55E-03	6.47E-03	2.32E-06	7.02E-06	4.06E-06	3.97E-06	3.59E-06	1.64E-06	1.62E-06	7.76E-08	1.88E-06	4.14E-07	5.38E-07	8.54E-07	1.51E-07	1.07E-07	4.02E-06	2.12E-06	8.99E-07	1.06E-06	4.16E-07	2.12E-06	8.99E-07
5506	491330.28	3860063	1.24E-02	1.21E-02	1.20E-02	4.30E-06	1.30E-05	7.52E-06	7.34E-06	6.65E-06	3.03E-06	2.99E-06	1.44E-07	3.47E-06	7.65E-07	9.96E-07	1.58E-06	2.78E-07	1.97E-07	7.43E-06	3.92E-06	1.66E-06	1.96E-06	7.69E-07	3.92E-06	1.66E-06
5507	491636.45	3860181	6.81E-03	6.65E-03	6.56E-03	2.36E-06	7.12E-06	4.12E-06	4.02E-06	3.65E-06	1.66E-06	1.64E-06	7.88E-08	1.90E-06	4.20E-07	5.46E-07	8.67E-07	1.53E-07	1.08E-07	4.08E-06	2.15E-06	9.13E-07	1.07E-06	4.22E-07	2.15E-06	9.13E-07
5508	491617.94	3860204	7.89E-03	7.70E-03	7.60E-03	2.73E-06	8.25E-06	4.78E-06	4.66E-06	4.22E-06	1.93E-06	1.90E-06	9.12E-08	2.20E-06	4.86E-07	6.33E-07	1.00E-06	1.77E-07	1.25E-07	4.72E-06	2.49E-06	1.06E-06	1.24E-06	4.88E-07	2.49E-06	1.06E-06
5509	491805.68	3860272	5.93E-03	5.78E-03	5.71E-03	2.05E-06	6.20E-06	3.59E-06	3.50E-06	3.17E-06	1.45E-06	1.43E-06	6.85E-08	1.66E-06	3.65E-07	4.75E-07	7.54E-07	1.33E-07	9.42E-08	3.55E-06	1.87E-06	7.94E-07	9.34E-07	3.67E-07	1.87E-06	7.94E-07
5510	491654.23	3860414	3.15E-02	3.08E-02	3.03E-02	1.09E-05	3.29E-05	1.91E-05	1.86E-05	1.69E-05	7.70E-06	7.59E-06	3.64E-07	8.80E-06	1.94E-06	2.53E-06	4.01E-06	7.06E-07	5.01E-07	1.88E-05	9.95E-06	4.22E-06	4.96E-06	1.95E-06	9.95E-06	4.22E-06
5511	491592.62	3860511	5.66E-03	5.52E-03	5.45E-03	1.96E-06	5.91E-06	3.42E-06	3.34E-06	3.03E-06	1.38E-06	1.36E-06	6.54E-08	1.58E-06	3.48E-07	4.53E-07	7.19E-07	1.27E-07	8.99E-08	3.38E-06	1.78E-06	7.57E-07	8.91E-07	3.50E-07	1.78E-06	7.57E-07
5512	491475.41	3860369	9.47E-03	9.24E-03	9.12E-03	3.28E-06	9.90E-06	5.73E-06	5.59E-06	5.07E-06	2.31E-06	2.28E-06	1.09E-07	2.64E-06	5.84E-07	7.59E-07	1.20E-06	2.12E-07	1.51E-07	5.66E-06	2.99E-06	1.27E-06	1.49E-06	5.86E-07	2.99E-06	1.27E-06
5513	491445.61	3860337	1.06E-02	1.03E-02	1.02E-02	3.67E-06	1.11E-05	6.41E-06	6.26E-06	5.67E-06	2.59E-06	2.55E-06	1.23E-07	2.96E-06	6.53E-07	8.50E-07	1.35E-06	2.38E-07	1.68E-07	6.34E-06	3.35E-06	1.42E-06	1.67E-06	6.56E-07	3.35E-06	1.42E-06
5514	491399.05	3860300	1.09E-02	1.06E-02	1.05E-02	3.78E-06	1.14E-05	6.60E-06	6.44E-06	5.84E-06	2.67E-06	2.63E-06	1.26E-07	3.05E-06	6.72E-07	8.75E-07	1.39E-06	2.45E-07	1.73E-07	6.53E-06	3.44E-06	1.46E-06	1.72E-06	6.75E-07	3.44E-06	1.46E-06
5515	491228.84	3860236	5.48E-03	5.35E-03	5.28E-03	1.90E-06	5.73E-06	3.32E-06	3.24E-06	2.94E-06	1.34E-06	1.32E-06	6.34E-08	1.53E-06	3.38E-07	4.40E-07	6.97E-07	1.23E-07	8.72E-08	3.28E-06	1.73E-06	7.34E-07	8.64E-07	3.39E-07	1.73E-06	7.34E-07
5516	491228.47	3860175	1.06E-02	1.03E-02	1.02E-02	3.67E-06	1.11E-05	6.42E-06	6.26E-06	5.68E-06	2.59E-06	2.56E-06	1.23E-07	2.96E-06	6.53E-07	8.50E-07	1.35E-06	2.38E-07	1.69E-07	6.34E-06	3.35E-06	1.42E-06	1.67E-06	6.56E-07	3.35E-06	1.42E-06
5517	491145.77	3860113	1.06E-02	1.03E-02	1.02E-02	3.67E-06	1.11E-05	6.41E-06	6.26E-06	5.67E-06	2.59E-06	2.55E-06	1.22E-07	2.96E-06	6.53E-07	8.49E-07	1.35E-06	2.37E-07	1.68E-07	6.34E-06	3.34E-06	1.42E-06	1.67E-06	6.56E-07	3.34E-06	1.42E-06
5518	490844.41	3859966	9.29E-03	9.07E-03	8.94E-03	3.22E-06	9.71E-06	5.62E-06	5.49E-06	4.97E-06	2.27E-06	2.24E-06	1.07E-07	2.59E-06	5.72E-07	7.45E-07	1.18E-06	2.08E-07	1.48E-07	5.56E-06	2.93E-06	1.24E-06	1.46E-06	5.75E-07	2.93E-06	1.24E-06
5519	490845.55	3859928	2.00E-02	1.95E-02	1.93E-02	6.93E-06	2.09E-05	1.21E-05	1.18E-05	1.07E-05	4.89E-06	4.82E-06	2.31E-07	5.59E-06	1.23E-06	1.60E-06	2.55E-06	4.49E-07	3.18E-07	1.20E-05	6.32E-06	2.68E-06	3.15E-06	1.24E-06	6.32E-06	2.68E-06
5520	490046.91	3859626	1.42E-02	1.39E-02	1.37E-02	4.92E-06	1.49E-05	8.60E-06	8.39E-06	7.61E-06	3.47E-06	3.43E-06	1.64E-07	3.97E-06	8.76E-07	1.14E-06	1.81E-06	3.19E-07	2.26E-07	8.50E-06	4.49E-06	1.90E-06	2.24E-06	8.80E-07	4.49E-06	1.90E-06
5521	489970.48	3859589	1.47E-02	1.43E-02	1.41E-02	5.08E-06	1.53E-05	8.88E-06	8.66E-06	7.85E-06	3.58E-06	3.54E-06	1.70E-07	4.10E-06	9.04E-07	1.18E-06	1.87E-06	3.29E-07	2.33E-07	8.77E-06	4.63E-06	1.96E-06	2.31E-06	9.08E-07	4.63E-06	1.96E-06
5522	489865.89	3859529	1.59E-02	1.55E-02	1.53E-02	5.50E-06	1.66E-05	9.62E-06	9.38E-06	8.51E-06	3.88E-06	3.83E-06	1.84E-07	4.44E-06	9.79E-07	1.27E-06	2.02E-06	3.56E-07	2.53E-07	9.51E-06	5.02E-06	2.13E-06	2.50E-06	9.84E-07	5.02E-06	2.13E-06
5523	489826.89	3859532	1.03E-02	1.00E-02	9.91E-03	3.56E-06	1.08E-05	6.23E-06	6.08E-06	5.51E-06	2.51E-06	2.48E-06	1.19E-07	2.87E-06	6.34E-07	8.25E-07	1.31E-06	2.31E-07	1.64E-07	6.15E-06	3.25E-06	1.38E-06	1.62E-06	6.37E-07	3.25E-06	1.38E-06
5524	489410.47	3859303	9.93E-03	9.69E-03	9.56E-03	3.44E-06	1.04E-05	6.01E-06	5.86E-06	5.31E-06	2.42E-06	2.39E-06	1.15E-07	2.77E-06	6.12E-07	7.96E-07	1.26E-06	2.23E-07	1.58E-07	5.94E-06	3.13E-06	1.33E-06	1.56E-06	6.14E-07	3.13E-06	1.33E-06
5525	489407.15	3859286	1.27E-02	1.24E-02	1.23E-02	4.41E-06	1.33E-05	7.71E-06	7.52E-06	6.82E-06	3.11E-06	3.07E-06	1.47E-07	3.56E-06	7.85E-07	1.02E-06	1.62E-06	2.85E-07	2.02E-07	7.62E-06	4.02E-06	1.71E-06	2.01E-06	7.88E-07	4.02E-06	1.71E-06
5526	488806.07	3858964	8.42E-03	8.22E-03	8.11E-03	2.91E-06	8.80E-06	5.09E-06	4.97E-06	4.51E-06	2.06E-06	2.03E-06	9.73E-08	2.35E-06	5.19E-07	6.75E-07	1.07E-06	1.89E-07	1.34E-07	5.03E-06	2.66E-06	1.13E-06	1.33E-06	5.21E-07	2.66E-06	1.13E-06
5527	488817.64	3859546	9.68E-04	9.45E-04	9.32E-04	3.35E-07	1.01E-06	5.86E-07	5.72E-07	5.18E-07	2.36E-07	2.33E-07	1.12E-08	2.70E-07	5.97E-08	7.76E-08	1.23E-07	2.17E-08	1.54E-08	5.79E-07	3.06E-07	1.30E-07	1.53E-07	5.99E-08	3.06E-07	1.30E-07
5528	489187.25	3859550	1.39E-03	1.36E-03	1.34E-03	4.81E-07	1.45E-06	8.41E-07	8.21E-07	7.44E-07	3.40E-07	3.35E-07	1.61E-08	3.88E-07	8.57E-08	1.11E-07	1.77E-07	3.12E-08	2.21E-08	8.31E-07	4.39E-07	1.86E-07	2.19E-07	8.60E-08	4.39E-07	1.86E-07
5529	489187.66	3859524	1.47E-03	1.44E-03	1.42E-03	5.10E-07	1.54E-06	8.92E-07	8.71E-07	7.89E-07	3.60E-07	3.55E-07	1.70E-08	4.12E-07	9.08E-08	1.18E-07	1.88E-07	3.30E-08	2.34E-08	8.82E-07	4.65E-07	1.97E-07	2.32E-07	9.13E-08	4.65E-07	1.97E-07
5530	489232.59	3859523	1.57E-03	1.54E-03	1.52E-03	5.45E-07	1.65E-06	9.52E-07	9.29E-07	8.42E-07	3.84E-07	3.79E-07	1.82E-08	4.40E-07	9.70E-08	1.26E-07	2.00E-07	3.53E-08	2.50E-08	9.41E-07	4.97E-07	2.11E-07	2.48E-07	9.74E-08	4.97E-07	2.11E-07
5531	489224.98	3859760	9.94E-04	9.70E-04	9.57E-04	3.44E-07	1.04E-06	6.01E-07	5.87E-07	5.32E-07	2.43E-07	2.39E-07	1.15E-08	2.77E-07	6.12E-08	7.97E-08	1.26E-07	2.23E-08	1.58E-08	5.94E-07	3.14E-07	1.33E-07	1.57E-07	6.15E-08	3.14E-07	1.33E-07
5532	488401.39	3859763	6.03E-04	5.88E-04	5.80E-04	2.09E-07	6.30E-07	3.65E-07	3.56E-07	3.23E-07	1.47E-07	1.45E-07	6.97E-09	1.68E-07	3.71E-08	4.83E-08	7.67E-08	1.35E-08	9.58E-09	3.61E-07	1.90E-07	8.07E-08	9.50E-08	3.73E-08	1.90E-07	8.07E-08
5533	488405.51	3859966	5.36E-04	5.23E-04	5.16E-04	1.85E-07	5.60E-07	3.24E-07	3.16E-07	2.87E-07	1.31E-07	1.29E-07	6.19E-09	1.50E-07	3.30E-08	4.29E-08	6.81E-08	1.20E-08	8.51E-09	3.20E-07	1.69E-07	7.17E-08	8.44E-08	3.31E-08	1.69E-07	7.17E-08
5534	489202.85	3859957	7.70E-04	7.51E-04	7.41E-04	2.67E-07	8.05E-07	4.66E-07	4.55E-07	4.12E-07	1.88E-07	1.86E-07	8.90E-09	2.15E-07	4.74E-08	6.17E-08	9.79E-08	1.73E-08	1.22E-08	4.60E-07	2.43E-07	1.03E-07	1.21E-07	4.77E-08	2.43E-07	1.03E-07
5535	489191.9	3860677	4.51E-04	4.40E-04	4.35E-04	1.56E-07	4.72E-07	2.73E-07	2.67E-07	2.42E-07	1.10E-07	1.09E-07	5.22E-09	1.26E-07	2.78E-08	3.62E-08	5.74E-08	1.01E-08	7.17E-09	2.70E-07	1.42E-07	6.04E-08	7.11E-08	2.79E-08	1.42E-07	6.04E-08
5536	488392.82	3860688	3.70E-04	3.61E-04	3.56E-04	1.28E-07	3.87E-07	2.24E-07	2.19E-07	1.98E-07	9.04E-08	8.92E-08	4.28E-09	1.03E-07	2.28E-08	2.97E-08	4.71E-08	8.29E-09	5.88E-09	2.21E-07	1.17E-07	4.96E-08	5.83E-08	2.29E-08	1.17E-07	4.96E-08
5537	488392.82	3860760	3.60E-04	3.51E-04	3.46E-04	1.25E-07	3.76E-07	2.18E-07	2.12E-07	1.93E-07	8.78E-08	8.67E-08	4.16E-09	1.00E-07	2.22E-08	2.88E-08	4.57E-08	8.06E-09	5.72E-09	2.15E-07	1.14E-07	4.82E-08	5.67E-08	2.23E-08	1.14E-07	4.82E-08
5538	487549.05	3860777	3.03E-04	2.96E-04	2.92E-04	1.05E-07	3.17E-07	1.84E-07	1.79E-07	1.62E-07	7.41E-08	7.31E-08	3.51E-09	8.47E-08	1.87E-08	2.43E-08	3.86E-08	6.80E-09	4.82E-09	1.81E-07	9.57E-08	4.06E-08	4.78E-08	1.88E-08	9.57E-08	4.06E-08
5539	487554.62	3859572	4.95E-04	4.83E-04	4.76E-04	1.71E-07	5.17E-07	2.99E-07	2.92E-07	2.65E-07	1.21E-07	1.19E-07	5.72E-09	1.38E-07	3.05E-08	3.96E-08	6.29E-08	1.11E-08	7.86E-09	2.96E-07	1.56E-07	6.62E-08	7.79E-08	3.06E-08	1.56E-07	6.62E-08
5540	485949.46	3859559	3.39E-04	3.31E-04	3.27E-04	1.17E-07	3.55E-07	2.05E-07	2.00E-07	1.82E-07	8.29E-08	8.18E-08	3.92E-09	9.48E-08	2.09E-08	2.72E-08	4.32E-08	7.61E-09	5.39E-09	2.03E-07	1.07E-07	4.54E-08	5.35E-08	2.10E-08	1.07E-07	4.54E-08
5541	485947.55	3857944	7.23E-04	7.06E-04	6.96E-04	2.50E-07	7.56E-07	4.38E-07	4.27E-07	3.87E-07	1.77E-07	1.74E-07	8.36E-09	2.02E-07	4.46E-08	5.80E-08	9.20E-08	1.62E-08	1.15E-08	4.32E-07	2.28E-07	9.68E-08	1.14E-07	4.48E-08	2.28E-07	9.68E-08
5542	484738.38	3857940	4.18E-04	4.08E-04	4.02E-04	1.45E-07	4.37E-07	2.53E-07	2.47E-07	2.24E-07	1.02E-07	1.01E-07	4.83E-09	1.17E-07	2.57E-08	3.35E-08	5.31E-08	9.36E-09	6.64E-09	2.50E-07	1.32E-07	5.59E-08	6.58E-08	2.59E-08	1.32E-07	5.59E-08
5543	484737.06	3857536	4.98E-04	4.86E-04	4.80E-04	1.72E-07	5.21E-07	3.01E-07	2.94E-07	2.67E-07	1.22E-07	1.20E-07	5.76E-09	1.39E-07	3.07E-08	3.99E-08	6.34E-08	1.12E-08	7.92E-09	2.98E-07	1.57E-07	6.67E-08	7.85E-08	3.08E-08	1.57E-07	6.67E-08

5544	483730.2	3857530	3.64E-04	3.55E-04	3.50E-04	1.26E-07	3.80E-07	2.20E-07	2.15E-07	1.95E-07	8.89E-08	8.77E-08	4.21E-09	1.02E-07	2.24E-08	2.92E-08	4.63E-08	8.15E-09	5.78E-09	2.18E-07	1.15E-07	4.87E-08	5.73E-08	2.25E-08	1.15E-07	4.87E-08
5545	483727.27	3857130	4.13E-04	4.03E-04	3.97E-04	1.43E-07	4.31E-07	2.50E-07	2.44E-07	2.21E-07	1.01E-07	9.95E-08	4.77E-09	1.15E-07	2.54E-08	3.31E-08	5.25E-08	9.25E-09	6.56E-09	2.47E-07	1.30E-07	5.53E-08	6.50E-08	2.55E-08	1.30E-07	5.53E-08
5546	483124.42	3857123	3.55E-04	3.47E-04	3.42E-04	1.23E-07	3.71E-07	2.15E-07	2.10E-07	1.90E-07	8.67E-08	8.56E-08	4.11E-09	9.92E-08	2.19E-08	2.85E-08	4.52E-08	7.96E-09	5.64E-09	2.12E-07	1.12E-07	4.76E-08	5.59E-08	2.20E-08	1.12E-07	4.76E-08
5547	483111.13	3855921	5.47E-04	5.34E-04	5.27E-04	1.89E-07	5.72E-07	3.31E-07	3.23E-07	2.93E-07	1.34E-07	1.32E-07	6.32E-09	1.53E-07	3.37E-08	4.38E-08	6.95E-08	1.23E-08	8.69E-09	3.27E-07	1.73E-07	7.32E-08	8.61E-08	3.38E-08	1.73E-07	7.32E-08
5548	482701.73	3855918	4.62E-04	4.51E-04	4.45E-04	1.60E-07	4.83E-07	2.80E-07	2.73E-07	2.47E-07	1.13E-07	1.11E-07	5.34E-09	1.29E-07	2.85E-08	3.70E-08	5.88E-08	1.04E-08	7.35E-09	2.76E-07	1.46E-07	6.19E-08	7.28E-08	2.86E-08	1.46E-07	6.19E-08
5549	482668.02	3853522	4.39E-03	4.29E-03	4.23E-03	1.52E-06	4.59E-06	2.66E-06	2.59E-06	2.35E-06	1.07E-06	1.06E-06	5.08E-08	1.23E-06	2.71E-07	3.52E-07	5.59E-07	9.85E-08	6.98E-08	2.63E-06	1.39E-06	5.88E-07	6.92E-07	2.72E-07	1.39E-06	5.88E-07
5550	482579.91	3853219	5.67E-03	5.53E-03	5.46E-03	1.96E-06	5.92E-06	3.43E-06	3.35E-06	3.03E-06	1.38E-06	1.37E-06	6.55E-08	1.58E-06	3.49E-07	4.54E-07	7.21E-07	1.27E-07	9.01E-08	3.39E-06	1.79E-06	7.59E-07	8.93E-07	3.51E-07	1.79E-06	7.59E-07
5551	482434.06	3852962	8.05E-03	7.85E-03	7.75E-03	2.79E-06	8.41E-06	4.87E-06	4.75E-06	4.31E-06	1.97E-06	1.94E-06	9.30E-08	2.25E-06	4.96E-07	6.45E-07	1.02E-06	1.80E-07	1.28E-07	4.81E-06	2.54E-06	1.08E-06	1.27E-06	4.98E-07	2.54E-06	1.08E-06
5552	482332.11	3852833	1.05E-02	1.02E-02	1.01E-02	3.62E-06	1.09E-05	6.33E-06	6.17E-06	5.60E-06	2.55E-06	2.52E-06	1.21E-07	2.92E-06	6.44E-07	8.38E-07	1.33E-06	2.34E-07	1.66E-07	6.25E-06	3.30E-06	1.40E-06	1.65E-06	6.47E-07	3.30E-06	1.40E-06
5553	481334.99	3851819	8.61E-03	8.40E-03	8.29E-03	2.98E-06	9.00E-06	5.21E-06	5.08E-06	4.61E-06	2.10E-06	2.07E-06	9.95E-08	2.40E-06	5.30E-07	6.90E-07	1.09E-06	1.93E-07	1.37E-07	5.15E-06	2.72E-06	1.15E-06	1.36E-06	5.33E-07	2.72E-06	1.15E-06
5554	481127.62	3851646	7.36E-03	7.18E-03	7.08E-03	2.55E-06	7.69E-06	4.45E-06	4.34E-06	3.94E-06	1.80E-06	1.77E-06	8.51E-08	2.05E-06	4.53E-07	5.90E-07	9.36E-07	1.65E-07	1.17E-07	4.40E-06	2.32E-06	9.85E-07	1.16E-06	4.55E-07	2.32E-06	9.85E-07
5555	481025.04	3851592	6.69E-03	6.53E-03	6.45E-03	2.32E-06	7.00E-06	4.05E-06	3.95E-06	3.58E-06	1.63E-06	1.61E-06	7.74E-08	1.87E-06	4.12E-07	5.37E-07	8.51E-07	1.50E-07	1.06E-07	4.00E-06	2.11E-06	8.96E-07	1.05E-06	4.14E-07	2.11E-06	8.96E-07
5556	480513.6	3851336	6.93E-03	6.76E-03	6.67E-03	2.40E-06	7.24E-06	4.19E-06	4.09E-06	3.71E-06	1.69E-06	1.67E-06	8.01E-08	1.93E-06	4.27E-07	5.55E-07	8.81E-07	1.55E-07	1.10E-07	4.14E-06	2.19E-06	9.28E-07	1.09E-06	4.29E-07	2.19E-06	9.28E-07
5557	480523.56	3851318	9.38E-03	9.16E-03	9.04E-03	3.25E-06	9.81E-06	5.68E-06	5.54E-06	5.02E-06	2.29E-06	2.26E-06	1.08E-07	2.62E-06	5.78E-07	7.52E-07	1.19E-06	2.10E-07	1.49E-07	5.61E-06	2.96E-06	1.26E-06	1.48E-06	5.81E-07	2.96E-06	1.26E-06
5558	476921.56	3849569	8.21E-03	8.01E-03	7.90E-03	2.84E-06	8.58E-06	4.96E-06	4.84E-06	4.39E-06	2.00E-06	1.98E-06	9.48E-08	2.29E-06	5.06E-07	6.58E-07	1.04E-06	1.84E-07	1.30E-07	4.91E-06	2.59E-06	1.10E-06	1.29E-06	5.08E-07	2.59E-06	1.10E-06
5559	476521.19	3849374	9.85E-03	9.61E-03	9.48E-03	3.41E-06	1.03E-05	5.96E-06	5.81E-06	5.27E-06	2.41E-06	2.37E-06	1.14E-07	2.75E-06	6.07E-07	7.89E-07	1.25E-06	2.21E-07	1.57E-07	5.89E-06	3.11E-06	1.32E-06	1.55E-06	6.10E-07	3.11E-06	1.32E-06
5560	476391.45	3849333	1.05E-02	1.03E-02	1.02E-02	3.65E-06	1.10E-05	6.38E-06	6.23E-06	5.64E-06	2.58E-06	2.54E-06	1.22E-07	2.94E-06	6.50E-07	8.45E-07	1.34E-06	2.36E-07	1.68E-07	6.31E-06	3.33E-06	1.41E-06	1.66E-06	6.53E-07	3.33E-06	1.41E-06
5561	476219.41	3849304	9.22E-03	9.00E-03	8.88E-03	3.19E-06	9.64E-06	5.58E-06	5.44E-06	4.93E-06	2.25E-06	2.22E-06	1.07E-07	2.57E-06	5.68E-07	7.39E-07	1.17E-06	2.07E-07	1.47E-07	5.51E-06	2.91E-06	1.23E-06	1.45E-06	5.71E-07	2.91E-06	1.23E-06
5562	475679.11	3849218	7.47E-03	7.28E-03	7.19E-03	2.58E-06	7.80E-06	4.52E-06	4.41E-06	4.00E-06	1.82E-06	1.80E-06	8.63E-08	2.08E-06	4.60E-07	5.98E-07	9.49E-07	1.67E-07	1.19E-07	4.46E-06	2.36E-06	1.00E-06	1.18E-06	4.62E-07	2.36E-06	1.00E-06
5563	475677.71	3849234	5.98E-03	5.84E-03	5.76E-03	2.07E-06	6.25E-06	3.62E-06	3.53E-06	3.20E-06	1.46E-06	1.44E-06	6.91E-08	1.67E-06	3.68E-07	4.79E-07	7.61E-07	1.34E-07	9.51E-08	3.58E-06	1.89E-06	8.01E-07	9.42E-07	3.70E-07	1.89E-06	8.01E-07
5564	475492.74	3849205	4.18E-03	4.08E-03	4.02E-03	1.45E-06	4.37E-06	2.53E-06	2.47E-06	2.24E-06	1.02E-06	1.01E-06	4.83E-08	1.17E-06	2.57E-07	3.35E-07	5.31E-07	9.36E-08	6.64E-08	2.50E-06	1.32E-06	5.59E-07	6.58E-07	2.59E-07	1.32E-06	5.59E-07
5565	475497.64	3849159	9.83E-03	9.59E-03	9.46E-03	3.40E-06	1.03E-05	5.95E-06	5.80E-06	5.26E-06	2.40E-06	2.37E-06	1.14E-07	2.74E-06	6.06E-07	7.88E-07	1.25E-06	2.20E-07	1.56E-07	5.88E-06	3.10E-06	1.32E-06	1.55E-06	6.08E-07	3.10E-06	1.32E-06
5566	475391.35	3849142	7.50E-03	7.32E-03	7.22E-03	2.59E-06	7.84E-06	4.54E-06	4.43E-06	4.01E-06	1.83E-06	1.81E-06	8.67E-08	2.09E-06	4.62E-07	6.01E-07	9.53E-07	1.68E-07	1.19E-07	4.48E-06	2.37E-06	1.00E-06	1.18E-06	4.64E-07	2.37E-06	1.00E-06
5567	475277	3849095	7.23E-03	7.06E-03	6.97E-03	2.50E-06	7.56E-06	4.38E-06	4.27E-06	3.87E-06	1.77E-06	1.74E-06	8.36E-08	2.02E-06	4.46E-07	5.80E-07	9.20E-07	1.62E-07	1.15E-07	4.33E-06	2.28E-06	9.69E-07	1.14E-06	4.48E-07	2.28E-06	9.69E-07
5568	475183.93	3849026	9.45E-03	9.22E-03	9.10E-03	3.27E-06	9.88E-06	5.72E-06	5.58E-06	5.06E-06	2.31E-06	2.28E-06	1.09E-07	2.64E-06	5.82E-07	7.58E-07	1.20E-06	2.12E-07	1.50E-07	5.65E-06	2.98E-06	1.27E-06	1.49E-06	5.85E-07	2.98E-06	1.27E-06
5569	474453.23	3848379	1.35E-02	1.32E-02	1.30E-02	4.67E-06	1.41E-05	8.16E-06	7.97E-06	7.22E-06	3.30E-06	3.25E-06	1.56E-07	3.77E-06	8.31E-07	1.08E-06	1.72E-06	3.02E-07	2.14E-07	8.07E-06	4.26E-06	1.81E-06	2.13E-06	8.35E-07	4.26E-06	1.81E-06
5570	474569.63	3848399	2.91E-02	2.84E-02	2.80E-02	1.01E-05	3.04E-05	1.76E-05	1.72E-05	1.56E-05	7.10E-06	7.00E-06	3.36E-07	8.11E-06	1.79E-06	2.33E-06	3.69E-06	6.51E-07	4.62E-07	1.74E-05	9.17E-06	3.89E-06	4.58E-06	1.80E-06	9.17E-06	3.89E-06
5571	474644.33	3848465	2.95E-02	2.88E-02	2.84E-02	1.02E-05	3.08E-05	1.78E-05	1.74E-05	1.58E-05	7.20E-06	7.10E-06	3.41E-07	8.23E-06	1.82E-06	2.36E-06	3.75E-06	6.60E-07	4.68E-07	1.76E-05	9.30E-06	3.95E-06	4.64E-06	1.82E-06	9.30E-06	3.95E-06
5572	474719.04	3848530	3.01E-02	2.93E-02	2.89E-02	1.04E-05	3.14E-05	1.82E-05	1.78E-05	1.61E-05	7.34E-06	7.25E-06	3.48E-07	8.39E-06	1.85E-06	2.41E-06	3.82E-06	6.74E-07	4.78E-07	1.80E-05	9.49E-06	4.03E-06	4.74E-06	1.86E-06	9.49E-06	4.03E-06
5573	474793.74	3848595	3.06E-02	2.99E-02	2.95E-02	1.06E-05	3.20E-05	1.85E-05	1.81E-05	1.64E-05	7.47E-06	7.37E-06	3.54E-07	8.54E-06	1.89E-06	2.45E-06	3.89E-06	6.86E-07	4.86E-07	1.83E-05	9.66E-06	4.10E-06	4.82E-06	1.89E-06	9.66E-06	4.10E-06
5574	474868.45	3848660	3.08E-02	3.00E-02	2.96E-02	1.06E-05	3.22E-05	1.86E-05	1.82E-05	1.65E-05	7.51E-06	7.41E-06	3.56E-07	8.59E-06	1.90E-06	2.47E-06	3.91E-06	6.90E-07	4.89E-07	1.84E-05	9.71E-06	4.12E-06	4.85E-06	1.90E-06	9.71E-06	4.12E-06
5575	474943.15	3848725	3.13E-02	3.06E-02	3.02E-02	1.08E-05	3.27E-05	1.89E-05	1.85E-05	1.68E-05	7.65E-06	7.55E-06	3.62E-07	8.74E-06	1.93E-06	2.51E-06	3.98E-06	7.02E-07	4.98E-07	1.87E-05	9.88E-06	4.19E-06	4.93E-06	1.94E-06	9.88E-06	4.19E-06
5576	475017.86	3848790	3.24E-02	3.16E-02	3.12E-02	1.12E-05	3.38E-05	1.96E-05	1.91E-05	1.73E-05	7.90E-06	7.80E-06	3.74E-07	9.03E-06	1.99E-06	2.59E-06	4.11E-06	7.25E-07	5.14E-07	1.93E-05	1.02E-05	4.33E-06	5.10E-06	2.00E-06	1.02E-05	4.33E-06
5577	475092.56	3848856	3.30E-02	3.22E-02	3.18E-02	1.14E-05	3.45E-05	2.00E-05	1.95E-05	1.77E-05	8.07E-06	7.96E-06	3.82E-07	9.22E-06	2.04E-06	2.65E-06	4.20E-06	7.40E-07	5.25E-07	1.98E-05	1.04E-05	4.42E-06	5.20E-06	2.04E-06	1.04E-05	4.42E-06
5578	475232.58	3848959	2.79E-02	2.72E-02	2.68E-02	9.64E-06	2.91E-05	1.69E-05	1.64E-05	1.49E-05	6.80E-06	6.71E-06	3.22E-07	7.78E-06	1.72E-06	2.23E-06	3.54E-06	6.24E-07	4.43E-07	1.67E-05	8.79E-06	3.73E-06	4.39E-06	1.72E-06	8.79E-06	3.73E-06
5579	475368.47	3849030	2.90E-02	2.83E-02	2.79E-02	1.00E-05	3.03E-05	1.75E-05	1.71E-05	1.55E-05	7.07E-06	6.98E-06	3.35E-07	8.09E-06	1.78E-06	2.32E-06	3.68E-06	6.49E-07	4.60E-07	1.73E-05	9.14E-06	3.88E-06	4.56E-06	1.79E-06	9.14E-06	3.88E-06
5580	475609.57	3849096	2.41E-02	2.35E-02	2.32E-02	8.33E-06	2.52E-05	1.46E-05	1.42E-05	1.29E-05	5.88E-06	5.80E-06	2.78E-07	6.72E-06	1.48E-06	1.93E-06	3.06E-06	5.40E-07	3.83E-07	1.44E-05	7.60E-06	3.22E-06	3.79E-06	1.49E-06	7.60E-06	3.22E-06
5581	475680.68	3849117	2.77E-02	2.70E-02	2.67E-02	9.59E-06	2.90E-05	1.68E-05	1.64E-05	1.48E-05	6.77E-06	6.68E-06	3.20E-07	7.74E-06	1.71E-06	2.22E-06	3.52E-06	6.21E-07	4.41E-07	1.66E-05	8.75E-06	3.71E-06	4.37E-06	1.72E-06	8.75E-06	3.71E-06
5582	475843.76	3849152	3.42E-02	3.34E-02	3.29E-02	1.18E-05	3.57E-05	2.07E-05	2.02E-05	1.83E-05	8.35E-06	8.24E-06	3.95E-07	9.55E-06	2.11E-06	2.74E-06	4.35E-06	7.66E-07	5.44E-07	2.05E-05	1.08E-05	4.58E-06	5.39E-06	2.12E-06	1.08E-05	4.58E-06
5583	475935.73	3849166	3.14E-02	3.07E-02	3.02E-02	1.09E-05	3.28E-05	1.90E-05	1.85E-05	1.68E-05	7.67E-06	7.57E-06	3.63E-07	8.77E-06	1.94E-06	2.52E-06	3.99E-06	7.04E-07	4.99E-07	1.88E-05	9.91E-06	4.21E-06	4.95E-06	1.94E-06	9.91E-06	4.21E-06
5584	476027.7	3849180	3.14E-02	3.06E-02	3.02E-02	1.09E-05	3.28E-05	1.90E-05	1.85E-05	1.68E-05	7.66E-06	7.56E-06	3.63E-07	8.76E-06	1.93E-06	2.51E-06	3.99E-06	7.03E-07	4.99E-07	1.88E-05	9.90E-06	4.20E-06	4.94E-06	1.94E-06	9.90E-06	4.20E-06
5585	476119.68	3849195	3.28E-02	3.20E-02	3.16E-02	1.13E-05	3.43E-05	1.98E-05	1.94E-05	1.75E-05	8.00E-06	7.90E-06	3.79E-07	9.15E-06	2.02E-06	2.63E-06	4.17E-06	7.35E-07	5.21E-07	1.96E-05	1.03E-05	4.39E-06	5.16E-06	2.03E-06	1.03E-05	4.39E-06
5586	476211.65	3849209	3.24E-02	3.16E-02	3.12E-02	1.12E-05	3.39E-05	1.96E-05	1.91E-05	1.73E-05	7.91E-06	7.81E-06	3.74E-07	9.04E-06	2.00E-06	2.60E-06	4.12E-06	7.26E-07	5.15E-07	1.94E-05	1.02E-05	4.34E-06	5.10E-06	2.00E-06	1.02E-05	4.34E-06
5587	476497.8	3849284	4.24E-02	4.14E-02	4.09E-02	1.47E-05	4.44E-05	2.57E-05	2.51E-05	2.27E-05	1.04E-05	1.02E-05	4.91E-07	1.19E-05	2.62E-06	3.40E-06	5.40E-06	9.51E-07	6.75E-07	2.54E-05	1.34E-05	5.68E-06	6.69E-06	2.63E-06	1.34E-05	5.68E-06
5588	476603.73	3849324	4.22E-02	4.12E-02	4.07E-02	1.46E-05	4.41E-05	2.56E-05	2.49E-05	2.26E-05	1.03E-05	1.02E-05	4.88E-07	1.18E-05	2.60E-06	3.39E-06	5.37E-06	9.47E-07	6.71E-07	2.53E-05	1.33E-05	5.66E-06	6.65E-06	2.61E-06	1.33E-05	5.66E-06
5589	476728.99	3849383	3.89E-02	3.80E-02	3.74E-02	1.35E-05	4.06E-05	2.35E-05	2.30E-05	2.08E-05	9.50E-06	9.37E-06	4.50E-07	1.09E-05	2.40E-06	3.12E-06	4.95E-06	8.72E-07	6.18E-07	2.33E-05	1.23E-05	5.21E-06	6.13E-06	2.41E-06	1.23E-05	5.21E-06
5590	476801.27	3849419	3.88E-02	3.79E-02	3.74E-02	1.34E-05	4.06E-05	2.35E-05	2.29E-05	2.08E-05	9.48E-06	9.35E-06	4.49E-07	1.08E-05	2.39E-06	3.11E-06	4.94E-06	8.70E-07	6.17E-07	2.32E-05	1.22E-05	5.20E-06	6.11E-06	2.40E-06	1.22E-05	5.20E-06
5591	476956.2	3849495	3.87E-02	3.78E-02	3.73E-02	1.34E-05	4.05E-05	2.34E-05	2.29E-05	2.07E-05	9.46E-06	9.33E-06	4.48E-07	1.08E-05	2.39E-06	3.11E-06	4.93E-06	8.68E-07	6.16E-07	2.32E-05	1.22E-05	5.19E-06	6.10E-06	2.40E-06	1.22E-05	5.19E-06
5592	477038.84	3849536	3.92E-02	3.83E-02	3.78E-02	1.36E-05	4.10E-05	2.37E-05	2.32E-05	2.10E-05	9.58E-06	9.45E-06	4.53E-07	1.10E-05	2.42E-06	3.14E-06	4.99E-06	8.79E-07	6.23E-07	2.35E-05	1.24E-05	5.25E-06	6.18E-06	2.43E-06	1.24E-05	5.25E-06
5593	477121.48	3849576	3.90E-02	3.81E-02	3.76E-02	1.35E-05	4.08E-05	2.36E-05	2.30E-05	2.09E-05	9.53E-06	9.40E-06	4.51E-07	1.09E-05	2.40E-06	3.13E-06	4.96E-06	8.74E-07	6.20E-07	2.33E-05	1.23E-05	5.22E-06	6.14E-06	2.41E-06	1.23E-05	5.22E-06
5594	477204.13	3849617	3.92E-02	3.82E-02	3.77E-02	1.36E-05	4.10E-05	2.37E-05	2.31E-05	2.10E-05	9.57E-06	9.44E-06	4.53E-07	1.09E-05	2.41E-06	3.14E-06	4.98E-06	8.78E-07	6.23E-07	2.34E-05	1.24E-05	5.25E-06	6.17E-06	2.42E-06	1.24E-05	5.25E-06
5595	477286.78	3849657	3.68E-02	3.59E-02	3.54E-02	1.27E-05	3.84E-05	2.22E-05	2.17E-05	1.97E-05	8.98E-06	8.86E-06	4.25E-07	1.03E-05	2.27E-06	2.95E-06	4.68E-06	8.24E-07	5.84E-07	2.20E-05	1.16E-05	4.92E-06	5.79E-06	2.28E-06	1.16E-05	4.92E-06
5596	477369.42	3849698	3.91E-02	3.81E-02	3.76E-02	1.35E-05	4.09E-05	2.36E-05	2.31E-05	2.09E-05	9.55E-06	9.42E-06	4.52E-07	1.09E-05	2.41E-06	3.13E-06	4.97E-06	8.76E-07	6.21E-07	2.34E-05	1.23E-05	5.23E-06	6.16E-06	2.42E-06	1.23E-05	5.23E-06
5597	477452.07	3849738	3.90E-02	3.81E-02	3.75E-02	1.35E-05	4.08E-05	2.36E-05	2.30E-05	2.09E-05	9.52E-06	9.40E-06	4.51E-07	1.09E-05	2.40E-06	3.13E-06	4.96E-06	8.74E-07	6.20E-07	2.33E-05	1.23E-05	5.22E-06	6.14E-06	2.41E-06	1.23E-05	5.22E-06
5598	477534.71	3849779	4.02E-02	3.92E-02	3.87E-02	1.39E-05	4.20E-05	2.43E-05	2.37E-05	2.15E-05	9.81E-06	9.68E-06	4.64E-07	1.12E-05	2.47E-06	3.22E-06	5.11E-06	9.00E-07	6.38E-07	2.40E-05	1.27E-05	5.38E-06	6.33E-06	2.49E-06	1.27E-05	5.38E-06
5599	477617.35	3849819	4.00E-02	3.90E-02	3.85E-02	1.38E-05	4.18E-05	2.42E-05	2.36E-05	2.14E-05	9.76E-06	9.63E-06	4.62E-07	1.12E-05	2.46E-06	3.20E-06	5.08E-06	8.96E-07	6.35E-07	2.39E-05	1.26E-05	5.35E-06	6.30E-06	2.47E-06	1.26E-05	5.35E-06
5600	477824.74	3849896	2.63E-02	2.57E-02	2.53E-02	9.10E-06	2.75E-05	1.59E-05	1.55E-05	1.41E-05	6.42E-06	6.34E-06	3.04E-07	7.34E-06	1.62E-06	2.11E-06	3.34E-06	5.89E-07	4.18E-07	1.57E-05	8.30E-06	3.52E-06	4.14E-06	1.63E-06	8.30E-06	3.52E-06
5601	477906.31	3849936	2.70E-02	2.63E-02	2.60E-02	9.35E-06	2.82E-05	1.63E-05	1.59E-05	1.44E-05	6.59E-06	6.51E-06	3.12E-07	7.54E-06	1.66E-06	2.16E-06	3.43E-06	6.05E-07	4.29E-07	1.61E-05	8.52E-06	3.62E-06	4.25E-06	1.67E-06	8.52E-06	3.62E-06
5602	477987.89	3849976	2.71E-02	2.64E-02	2.61E-02	9.37E-06	2.83E-05	1.64E-05	1.60E-05	1.45E-05	6.61E-06	6.52E-06	3.13E-07	7.56E-06	1.67E-06	2.17E-06	3.44E-06	6.06E-07	4.30E-07	1.62E-05	8.54E-06	3.62E-06	4.26E-06	1.67E-06	8.54E-06	3.62E-06
5603	478069.47	3850016	2.73E-02	2.66E-02	2.63E-02	9.45E-06	2.85E-05	1.65E-05	1.61E-05	1.46E-05	6.67E-06	6.58E-06	3.16E-07	7.62E-06	1.68E-06	2.19E-06	3.47E-06	6.12E-07	4.34E-07	1.63E-05	8.62E-06	3.66E-06	4.30E-06	1.69E-06	8.62E-06	3.66E-06
5604	478151.04	3850056	2.74E-02	2.67E-02	2.64E-02	9.49E-06	2.86E-05	1.66E-05	1.62E-05	1.47E-05	6.69E-06	6.60E-06	3.17E-07	7.65E-06	1.69E-06	2.20E-06	3.48E-06	6.14E-07	4.36E-07	1.64E-05	8.65E-06	3.67E-06	4.32E-06	1.70E-06	8.65E-06	3.67E-06
5605	478232.62	3850096	2.77E-02	2.70E-02	2.66E-02	9.58E-06	2.89E-05	1.67E-05	1.63E-05	1.48E-05	6.76E-06	6.67E-06	3.20E-07	7.72E-06	1.70E-06	2.22E-06	3.52E-06	6.20E-07	4.40E-07	1.65E-05	8.73E-06	3.70E-06	4.36E-06	1.71E-06	8.73E-06	3.70E-06
5606	478314.2	3850136	2.77E-02	2.71E-02	2.67E-02	9.60E-06	2.90E-05	1.68E-05	1.64E-05	1.48E-05	6.77E-06	6.68E-06	3.21E-07	7.74E-06	1.71E-06	2.22E-06	3.53E-06	6.22E-07	4.41E-07	1.66E-05	8.75E-06	3.71E-06	4.37E-06	1.72E-06	8.75E-06	3.71E-06
5607	478395.77	3850176	2.78E-02	2.71E-02	2.67E-02	9.62E-06	2.90E-05	1.68E-05	1.64E-05	1.49E-05	6.78E-06	6.69E-06	3.21E-07	7.76E-06	1.71E-06	2.23E-06	3.53E-06	6.23E-07	4.42E-07	1.66E-05	8.77E-06	3.72E-06	4.38E-06	1.72E-06	8.77E-06	3.72E-06
5608	478575.43	3850244	2.13E-02	2.07E-02	2.05E-02	7.36E-06	2.22E-05	1.29E-05	1.26E-05	1.14E-05	5.19E-06	5.12E-06	2.46E-07	5.94E-06	1.31E-06	1.70E-06	2.70E-06	4.76E-07	3.38E-07	1.27E-05	6.71E-06	2.85E-06	3.35E-06	1.32E-06	6.71E-06	2.85E-06
5609	478665.06	3850287	2.10E-02	2.05E-02	2.02E-02	7.28E-06	2.20E-05	1.27E-05	1.24E-05	1.12E-05	5.13E-06	5.06E-06	2.43E-07	5.87E-06	1.29E-06	1.68E-06	2.67E-06	4.71E-07	3.34E-07	1.26E-05	6.63E-06	2.81E-06	3.31E-06	1.30E-06	6.63E-06	2.81E-06
5610	478754.69	3850330	2.08E-02	2.03E-02	2.00E-02	7.18E-06	2.17E-05	1.26E-05	1.23E-05	1.11E-05	5.07E-06	5.00E-06	2.40E-07	5.79E-06	1.28E-06	1.66E-06	2.64E-06	4.65E-07	3.30E-07	1.24E-05	6.55E-06	2.78E-06	3.27E-06	1.28E-06	6.55E-06	2.78E-06
5611	478844.32	3850373	2.03E-02	1.99E-02	1.96E-02	7.04E-06	2.13E-05	1.23E-05	1.20E-05	1.09E-05	4.97E-06	4.90E-06	2.35E-07	5.68E-06	1.25E-06	1.63E-06	2.59E-06	4.56E-07	3.23E-07	1.22E-05	6.42E-06	2.72E-06	3.21E-06	1.26E-06	6.42E-06	2.72E-06
5612	478933.95	3850416	1.99E-02	1.94E-02	1.91E-02	6.88E-06	2.08E-05	1.20E-05	1.17E-05	1.06E-05	4.85E-06	4.79E-06	2.30E-07	5.55E-06	1.22E-06	1.59E-06	2.53E-06	4.45E-07	3.16E-07	1.19E-05	6.27E-06	2.66E-06	3.13E-06	1.23E-06	6.27E-06	2.66E-06
5613	479023.58	3850459	2.01E-02	1.96E-02	1.93E-02	6.95E-06	2.10E-05	1.21E-05	1.19E-05	1.07E-05	4.90E-06	4.84E-06	2.32E-07	5.61E-06	1.24E-06	1.61E-06	2.55E-06	4.50E-07	3.19E-07	1.20E-05	6.34E-06	2.69E-06	3.16E-06	1.24E-06	6.34E-06	2.69E-06
5614	479110.66	3850442	1.15E-02	1.12E-02	1.10E-02	3.97E-06	1.20E-05	6.94E-06	6.77E-06	6.14E-06	2.80E-06	2.76E-06	1.33E-07	3.20E-06	7.07E-07	9.19E-07	1.46E-06	2.57E-07	1.82E-07	6.86E-06	3.62E-06	1.54E-06	1.81E-06	7.10E-07	3.62E-06	1.54E-06
5615	479191.22	3850424	8.07E-03	7.88E-03	7.77E-03	2.80E-06	8.44E-06	4.89E-06	4.77E-06	4.32E-06	1.97E-06	1.95E-06	9.33E-08	2.25E-06	4.97E-07	6.47E-07	1.03E-06	1.81E-07	1.28E-07	4.83E-06	2.55E-06	1.08E-06	1.27E-06	5.00E-07	2.55E-06	1.08E-06
5616	479274.32	3850466	8.16E-03	7.96E-03	7.86E-03	2.82E-06	8.53E-06	4.94E-06	4.82E-06	4.37E-06	1.99E-06	1.97E-06	9.43E-08	2.28E-06	5.03E-07	6.54E-07	1.04E-06	1.83E-07	1.30E-07	4.88E-06	2.57E-06	1.09E-06	1.29E-06	5.05E-07	2.57E-06	1.09E-06
5617	479357.43	3850507	8.23E-03	8.03E-03	7.92E-03	2.85E-06	8.60E-06	4.98E-06	4.86E-06	4.40E-06	2.01E-06	1.98E-06	9.51E-08	2.30E-06	5.07E-07	6.60E-07	1.05E-06	1.84E-07	1.31E-07	4.92E-06	2.60E-06	1.10E-06	1.30E-06	5.09E-07	2.60E-06	1.10E-06

5618	479440.53	3850549	8.21E-03	8.02E-03	7.91E-03	2.84E-06	8.59E-06	4.97E-06	4.85E-06	4.40E-06	2.01E-06	1.98E-06	9.50E-08	2.29E-06	5.06E-07	6.58E-07	1.04E-06	1.84E-07	1.31E-07	4.91E-06	2.59E-06	1.10E-06	1.29E-06	5.08E-07	2.59E-06	1.10E-06
5619	479523.64	3850591	8.22E-03	8.02E-03	7.92E-03	2.85E-06	8.60E-06	4.98E-06	4.86E-06	4.40E-06	2.01E-06	1.98E-06	9.51E-08	2.30E-06	5.07E-07	6.59E-07	1.05E-06	1.84E-07	1.31E-07	4.92E-06	2.60E-06	1.10E-06	1.30E-06	5.09E-07	2.60E-06	1.10E-06
5620	479606.74	3850633	8.29E-03	8.09E-03	7.98E-03	2.87E-06	8.66E-06	5.01E-06	4.89E-06	4.44E-06	2.02E-06	2.00E-06	9.58E-08	2.31E-06	5.11E-07	6.64E-07	1.05E-06	1.86E-07	1.32E-07	4.96E-06	2.62E-06	1.11E-06	1.31E-06	5.13E-07	2.62E-06	1.11E-06
5621	479777.37	3850708	7.89E-03	7.70E-03	7.59E-03	2.73E-06	8.24E-06	4.77E-06	4.66E-06	4.22E-06	1.93E-06	1.90E-06	9.12E-08	2.20E-06	4.86E-07	6.32E-07	1.00E-06	1.77E-07	1.25E-07	4.72E-06	2.49E-06	1.06E-06	1.24E-06	4.88E-07	2.49E-06	1.06E-06
5622	479864.9	3850741	7.55E-03	7.36E-03	7.27E-03	2.61E-06	7.89E-06	4.57E-06	4.46E-06	4.04E-06	1.84E-06	1.82E-06	8.72E-08	2.11E-06	4.65E-07	6.05E-07	9.60E-07	1.69E-07	1.20E-07	4.51E-06	2.38E-06	1.01E-06	1.19E-06	4.67E-07	2.38E-06	1.01E-06
5623	479931.87	3850830	1.04E-02	1.02E-02	1.00E-02	3.61E-06	1.09E-05	6.31E-06	6.16E-06	5.58E-06	2.55E-06	2.51E-06	1.21E-07	2.91E-06	6.43E-07	8.36E-07	1.33E-06	2.34E-07	1.66E-07	6.24E-06	3.29E-06	1.40E-06	1.64E-06	6.46E-07	3.29E-06	1.40E-06
5624	479995.55	3850927	1.87E-02	1.82E-02	1.80E-02	6.46E-06	1.95E-05	1.13E-05	1.10E-05	9.99E-06	4.56E-06	4.50E-06	2.16E-07	5.21E-06	1.15E-06	1.50E-06	2.37E-06	4.18E-07	2.97E-07	1.12E-05	5.89E-06	2.50E-06	2.94E-06	1.16E-06	5.89E-06	2.50E-06
5625	480079.78	3850969	1.87E-02	1.82E-02	1.80E-02	6.46E-06	1.95E-05	1.13E-05	1.10E-05	9.98E-06	4.56E-06	4.49E-06	2.16E-07	5.21E-06	1.15E-06	1.50E-06	2.37E-06	4.18E-07	2.96E-07	1.12E-05	5.89E-06	2.50E-06	2.94E-06	1.15E-06	5.89E-06	2.50E-06
5626	480164.01	3851011	1.87E-02	1.83E-02	1.80E-02	6.48E-06	1.96E-05	1.13E-05	1.10E-05	1.00E-05	4.57E-06	4.51E-06	2.16E-07	5.22E-06	1.15E-06	1.50E-06	2.38E-06	4.19E-07	2.97E-07	1.12E-05	5.90E-06	2.50E-06	2.95E-06	1.16E-06	5.90E-06	2.50E-06
5627	480248.23	3851052	1.86E-02	1.82E-02	1.80E-02	6.45E-06	1.95E-05	1.13E-05	1.10E-05	9.98E-06	4.55E-06	4.49E-06	2.16E-07	5.21E-06	1.15E-06	1.49E-06	2.37E-06	4.18E-07	2.96E-07	1.12E-05	5.89E-06	2.50E-06	2.94E-06	1.15E-06	5.89E-06	2.50E-06
5628	480332.46	3851094	1.89E-02	1.84E-02	1.82E-02	6.53E-06	1.97E-05	1.14E-05	1.11E-05	1.01E-05	4.60E-06	4.54E-06	2.18E-07	5.26E-06	1.16E-06	1.51E-06	2.40E-06	4.22E-07	3.00E-07	1.13E-05	5.95E-06	2.52E-06	2.97E-06	1.17E-06	5.95E-06	2.52E-06
5629	480416.69	3851136	1.92E-02	1.88E-02	1.85E-02	6.66E-06	2.01E-05	1.16E-05	1.14E-05	1.03E-05	4.70E-06	4.63E-06	2.22E-07	5.37E-06	1.18E-06	1.54E-06	2.45E-06	4.31E-07	3.06E-07	1.15E-05	6.07E-06	2.58E-06	3.03E-06	1.19E-06	6.07E-06	2.58E-06
5630	480579.95	3851215	1.90E-02	1.86E-02	1.83E-02	6.58E-06	1.99E-05	1.15E-05	1.12E-05	1.02E-05	4.65E-06	4.58E-06	2.20E-07	5.31E-06	1.17E-06	1.52E-06	2.42E-06	4.26E-07	3.02E-07	1.14E-05	6.00E-06	2.55E-06	3.00E-06	1.18E-06	6.00E-06	2.55E-06
5631	480658.98	3851252	1.86E-02	1.82E-02	1.80E-02	6.45E-06	1.95E-05	1.13E-05	1.10E-05	9.98E-06	4.55E-06	4.49E-06	2.16E-07	5.21E-06	1.15E-06	1.49E-06	2.37E-06	4.18E-07	2.96E-07	1.12E-05	5.88E-06	2.50E-06	2.94E-06	1.15E-06	5.88E-06	2.50E-06
5632	480817.36	3851328	1.82E-02	1.78E-02	1.75E-02	6.31E-06	1.90E-05	1.10E-05	1.08E-05	9.75E-06	4.45E-06	4.39E-06	2.11E-07	5.09E-06	1.12E-06	1.46E-06	2.32E-06	4.08E-07	2.90E-07	1.09E-05	5.75E-06	2.44E-06	2.87E-06	1.13E-06	5.75E-06	2.44E-06
5633	480896.71	3851366	1.81E-02	1.77E-02	1.74E-02	6.27E-06	1.89E-05	1.10E-05	1.07E-05	9.69E-06	4.42E-06	4.36E-06	2.09E-07	5.06E-06	1.12E-06	1.45E-06	2.30E-06	4.06E-07	2.88E-07	1.08E-05	5.72E-06	2.43E-06	2.85E-06	1.12E-06	5.72E-06	2.43E-06
5634	480976.07	3851405	1.80E-02	1.76E-02	1.73E-02	6.23E-06	1.88E-05	1.09E-05	1.06E-05	9.63E-06	4.40E-06	4.34E-06	2.08E-07	5.03E-06	1.11E-06	1.44E-06	2.29E-06	4.03E-07	2.86E-07	1.08E-05	5.68E-06	2.41E-06	2.84E-06	1.11E-06	5.68E-06	2.41E-06
5635	481178	3851487	1.45E-02	1.41E-02	1.39E-02	5.01E-06	1.51E-05	8.76E-06	8.55E-06	7.75E-06	3.54E-06	3.49E-06	1.67E-07	4.04E-06	8.92E-07	1.16E-06	1.84E-06	3.25E-07	2.30E-07	8.66E-06	4.57E-06	1.94E-06	2.28E-06	8.96E-07	4.57E-06	1.94E-06
5636	481244.9	3851557	1.79E-02	1.75E-02	1.73E-02	6.21E-06	1.88E-05	1.09E-05	1.06E-05	9.61E-06	4.38E-06	4.33E-06	2.07E-07	5.01E-06	1.11E-06	1.44E-06	2.28E-06	4.02E-07	2.85E-07	1.07E-05	5.67E-06	2.40E-06	2.83E-06	1.11E-06	5.67E-06	2.40E-06
5637	481311.81	3851627	2.05E-02	2.01E-02	1.98E-02	7.11E-06	2.15E-05	1.24E-05	1.21E-05	1.10E-05	5.02E-06	4.95E-06	2.38E-07	5.74E-06	1.27E-06	1.65E-06	2.61E-06	4.61E-07	3.27E-07	1.23E-05	6.49E-06	2.75E-06	3.24E-06	1.27E-06	6.49E-06	2.75E-06
5638	481378.71	3851697	1.97E-02	1.92E-02	1.90E-02	6.83E-06	2.06E-05	1.19E-05	1.16E-05	1.06E-05	4.82E-06	4.75E-06	2.28E-07	5.51E-06	1.22E-06	1.58E-06	2.51E-06	4.42E-07	3.14E-07	1.18E-05	6.23E-06	2.64E-06	3.11E-06	1.22E-06	6.23E-06	2.64E-06
5639	481445.61	3851767	1.95E-02	1.90E-02	1.88E-02	6.75E-06	2.04E-05	1.18E-05	1.15E-05	1.04E-05	4.76E-06	4.70E-06	2.25E-07	5.44E-06	1.20E-06	1.56E-06	2.48E-06	4.37E-07	3.10E-07	1.17E-05	6.15E-06	2.61E-06	3.07E-06	1.21E-06	6.15E-06	2.61E-06
5640	481512.51	3851837	1.95E-02	1.90E-02	1.88E-02	6.74E-06	2.04E-05	1.18E-05	1.15E-05	1.04E-05	4.76E-06	4.69E-06	2.25E-07	5.44E-06	1.20E-06	1.56E-06	2.48E-06	4.37E-07	3.10E-07	1.16E-05	6.15E-06	2.61E-06	3.07E-06	1.21E-06	6.15E-06	2.61E-06
5641	481579.42	3851906	1.94E-02	1.89E-02	1.86E-02	6.70E-06	2.02E-05	1.17E-05	1.14E-05	1.04E-05	4.73E-06	4.66E-06	2.24E-07	5.40E-06	1.19E-06	1.55E-06	2.46E-06	4.34E-07	3.08E-07	1.16E-05	6.11E-06	2.59E-06	3.05E-06	1.20E-06	6.11E-06	2.59E-06
5642	481646.32	3851976	1.95E-02	1.90E-02	1.88E-02	6.76E-06	2.04E-05	1.18E-05	1.15E-05	1.04E-05	4.77E-06	4.70E-06	2.26E-07	5.45E-06	1.20E-06	1.56E-06	2.48E-06	4.37E-07	3.10E-07	1.17E-05	6.16E-06	2.61E-06	3.07E-06	1.21E-06	6.16E-06	2.61E-06
5643	481713.22	3852046	1.94E-02	1.89E-02	1.87E-02	6.71E-06	2.03E-05	1.17E-05	1.14E-05	1.04E-05	4.73E-06	4.67E-06	2.24E-07	5.41E-06	1.19E-06	1.55E-06	2.46E-06	4.34E-07	3.08E-07	1.16E-05	6.12E-06	2.60E-06	3.05E-06	1.20E-06	6.12E-06	2.60E-06
5644	481780.12	3852116	1.95E-02	1.91E-02	1.88E-02	6.77E-06	2.04E-05	1.18E-05	1.15E-05	1.05E-05	4.77E-06	4.71E-06	2.26E-07	5.46E-06	1.20E-06	1.57E-06	2.49E-06	4.38E-07	3.11E-07	1.17E-05	6.17E-06	2.62E-06	3.08E-06	1.21E-06	6.17E-06	2.62E-06
5645	481847.03	3852186	1.98E-02	1.93E-02	1.91E-02	6.86E-06	2.07E-05	1.20E-05	1.17E-05	1.06E-05	4.84E-06	4.77E-06	2.29E-07	5.53E-06	1.22E-06	1.59E-06	2.52E-06	4.44E-07	3.15E-07	1.18E-05	6.25E-06	2.65E-06	3.12E-06	1.23E-06	6.25E-06	2.65E-06
5646	481913.93	3852256	2.00E-02	1.95E-02	1.92E-02	6.91E-06	2.09E-05	1.21E-05	1.18E-05	1.07E-05	4.87E-06	4.81E-06	2.31E-07	5.57E-06	1.23E-06	1.60E-06	2.54E-06	4.47E-07	3.17E-07	1.19E-05	6.30E-06	2.67E-06	3.14E-06	1.24E-06	6.30E-06	2.67E-06
5647	481980.83	3852326	2.02E-02	1.97E-02	1.94E-02	6.99E-06	2.11E-05	1.22E-05	1.19E-05	1.08E-05	4.93E-06	4.87E-06	2.33E-07	5.64E-06	1.24E-06	1.62E-06	2.57E-06	4.53E-07	3.21E-07	1.21E-05	6.37E-06	2.70E-06	3.18E-06	1.25E-06	6.37E-06	2.70E-06
5648	482047.73	3852396	2.03E-02	1.98E-02	1.95E-02	7.01E-06	2.12E-05	1.23E-05	1.20E-05	1.08E-05	4.95E-06	4.88E-06	2.34E-07	5.66E-06	1.25E-06	1.62E-06	2.58E-06	4.54E-07	3.22E-07	1.21E-05	6.39E-06	2.71E-06	3.19E-06	1.25E-06	6.39E-06	2.71E-06
5649	482114.64	3852465	2.03E-02	1.98E-02	1.95E-02	7.02E-06	2.12E-05	1.23E-05	1.20E-05	1.08E-05	4.95E-06	4.88E-06	2.34E-07	5.66E-06	1.25E-06	1.62E-06	2.58E-06	4.54E-07	3.22E-07	1.21E-05	6.40E-06	2.71E-06	3.19E-06	1.25E-06	6.40E-06	2.71E-06
5650	482181.54	3852535	2.06E-02	2.01E-02	1.98E-02	7.11E-06	2.15E-05	1.24E-05	1.21E-05	1.10E-05	5.02E-06	4.95E-06	2.38E-07	5.74E-06	1.27E-06	1.65E-06	2.61E-06	4.61E-07	3.27E-07	1.23E-05	6.49E-06	2.75E-06	3.24E-06	1.27E-06	6.49E-06	2.75E-06
5651	482338.69	3852700	2.10E-02	2.05E-02	2.02E-02	7.27E-06	2.20E-05	1.27E-05	1.24E-05	1.12E-05	5.13E-06	5.06E-06	2.43E-07	5.87E-06	1.29E-06	1.68E-06	2.67E-06	4.71E-07	3.34E-07	1.26E-05	6.63E-06	2.81E-06	3.31E-06	1.30E-06	6.63E-06	2.81E-06
5652	482404.05	3852768	2.09E-02	2.04E-02	2.01E-02	7.22E-06	2.18E-05	1.26E-05	1.23E-05	1.12E-05	5.10E-06	5.03E-06	2.41E-07	5.83E-06	1.29E-06	1.67E-06	2.65E-06	4.68E-07	3.32E-07	1.25E-05	6.58E-06	2.79E-06	3.29E-06	1.29E-06	6.58E-06	2.79E-06
5653	482469.4	3852836	2.10E-02	2.05E-02	2.02E-02	7.26E-06	2.19E-05	1.27E-05	1.24E-05	1.12E-05	5.12E-06	5.06E-06	2.43E-07	5.86E-06	1.29E-06	1.68E-06	2.67E-06	4.70E-07	3.33E-07	1.25E-05	6.62E-06	2.81E-06	3.31E-06	1.30E-06	6.62E-06	2.81E-06
5654	482534.75	3852903	2.10E-02	2.05E-02	2.02E-02	7.26E-06	2.19E-05	1.27E-05	1.24E-05	1.12E-05	5.12E-06	5.05E-06	2.42E-07	5.85E-06	1.29E-06	1.68E-06	2.67E-06	4.70E-07	3.33E-07	1.25E-05	6.62E-06	2.81E-06	3.30E-06	1.30E-06	6.62E-06	2.81E-06
5655	482600.11	3852971	2.05E-02	2.00E-02	1.97E-02	7.10E-06	2.14E-05	1.24E-05	1.21E-05	1.10E-05	5.01E-06	4.94E-06	2.37E-07	5.72E-06	1.26E-06	1.64E-06	2.61E-06	4.59E-07	3.26E-07	1.23E-05	6.47E-06	2.75E-06	3.23E-06	1.27E-06	6.47E-06	2.75E-06
5656	482706.71	3853119	1.67E-02	1.63E-02	1.61E-02	5.78E-06	1.74E-05	1.01E-05	9.85E-06	8.93E-06	4.08E-06	4.02E-06	1.93E-07	4.66E-06	1.03E-06	1.34E-06	2.12E-06	3.74E-07	2.65E-07	9.98E-06	5.27E-06	2.23E-06	2.63E-06	1.03E-06	5.27E-06	2.23E-06
5657	482747.96	3853200	1.69E-02	1.65E-02	1.63E-02	5.86E-06	1.77E-05	1.02E-05	9.99E-06	9.05E-06	4.13E-06	4.08E-06	1.96E-07	4.72E-06	1.04E-06	1.36E-06	2.15E-06	3.79E-07	2.69E-07	1.01E-05	5.34E-06	2.27E-06	2.67E-06	1.05E-06	5.34E-06	2.27E-06
5658	482789.21	3853280	1.61E-02	1.57E-02	1.55E-02	5.57E-06	1.68E-05	9.73E-06	9.49E-06	8.61E-06	3.93E-06	3.87E-06	1.86E-07	4.49E-06	9.91E-07	1.29E-06	2.04E-06	3.60E-07	2.56E-07	9.62E-06	5.08E-06	2.15E-06	2.53E-06	9.95E-07	5.08E-06	2.15E-06
5659	482830.46	3853361	1.40E-02	1.36E-02	1.35E-02	4.84E-06	1.46E-05	8.46E-06	8.26E-06	7.48E-06	3.42E-06	3.37E-06	1.62E-07	3.90E-06	8.62E-07	1.12E-06	1.78E-06	3.13E-07	2.22E-07	8.36E-06	4.41E-06	1.87E-06	2.20E-06	8.65E-07	4.41E-06	1.87E-06
5660	482871.71	3853442	1.23E-02	1.20E-02	1.19E-02	4.27E-06	1.29E-05	7.46E-06	7.28E-06	6.60E-06	3.01E-06	2.97E-06	1.43E-07	3.44E-06	7.60E-07	9.89E-07	1.57E-06	2.76E-07	1.96E-07	7.37E-06	3.89E-06	1.65E-06	1.94E-06	7.63E-07	3.89E-06	1.65E-06
5661	482912.95	3853522	1.12E-02	1.09E-02	1.08E-02	3.87E-06	1.17E-05	6.77E-06	6.61E-06	5.99E-06	2.73E-06	2.70E-06	1.29E-07	3.12E-06	6.89E-07	8.97E-07	1.42E-06	2.51E-07	1.78E-07	6.69E-06	3.53E-06	1.50E-06	1.76E-06	6.92E-07	3.53E-06	1.50E-06
5662	482954.2	3853603	1.00E-02	9.77E-03	9.65E-03	3.47E-06	1.05E-05	6.06E-06	5.91E-06	5.36E-06	2.45E-06	2.41E-06	1.16E-07	2.80E-06	6.17E-07	8.03E-07	1.27E-06	2.25E-07	1.59E-07	5.99E-06	3.16E-06	1.34E-06	1.58E-06	6.20E-07	3.16E-06	1.34E-06
5663	482995.45	3853683	9.10E-03	8.88E-03	8.76E-03	3.15E-06	9.51E-06	5.51E-06	5.37E-06	4.87E-06	2.22E-06	2.19E-06	1.05E-07	2.54E-06	5.61E-07	7.30E-07	1.16E-06	2.04E-07	1.45E-07	5.44E-06	2.87E-06	1.22E-06	1.43E-06	5.63E-07	2.87E-06	1.22E-06
5664	483036.7	3853764	8.41E-03	8.21E-03	8.10E-03	2.91E-06	8.79E-06	5.09E-06	4.97E-06	4.50E-06	2.05E-06	2.03E-06	9.72E-08	2.35E-06	5.18E-07	6.74E-07	1.07E-06	1.89E-07	1.34E-07	5.03E-06	2.65E-06	1.13E-06	1.33E-06	5.21E-07	2.65E-06	1.13E-06
5665	483214.2	3853910	4.71E-03	4.59E-03	4.53E-03	1.63E-06	4.92E-06	2.85E-06	2.78E-06	2.52E-06	1.15E-06	1.13E-06	5.44E-08	1.31E-06	2.90E-07	3.77E-07	5.99E-07	1.05E-07	7.48E-08	2.81E-06	1.49E-06	6.30E-07	7.41E-07	2.91E-07	1.49E-06	6.30E-07
5666	483307.01	3853910	3.75E-03	3.66E-03	3.61E-03	1.30E-06	3.92E-06	2.27E-06	2.21E-06	2.01E-06	9.15E-07	9.03E-07	4.33E-08	1.05E-06	2.31E-07	3.00E-07	4.76E-07	8.40E-08	5.96E-08	2.24E-06	1.18E-06	5.02E-07	5.90E-07	2.32E-07	1.18E-06	5.02E-07
5667	483399.83	3853911	3.12E-03	3.04E-03	3.00E-03	1.08E-06	3.26E-06	1.88E-06	1.84E-06	1.67E-06	7.61E-07	7.51E-07	3.60E-08	8.70E-07	1.92E-07	2.50E-07	3.96E-07	6.98E-08	4.95E-08	1.86E-06	9.83E-07	4.17E-07	4.91E-07	1.93E-07	9.83E-07	4.17E-07
5668	483494.52	3854009	3.20E-03	3.12E-03	3.08E-03	1.11E-06	3.35E-06	1.94E-06	1.89E-06	1.71E-06	7.82E-07	7.71E-07	3.70E-08	8.94E-07	1.97E-07	2.57E-07	4.07E-07	7.17E-08	5.09E-08	1.91E-06	1.01E-06	4.29E-07	5.04E-07	1.98E-07	1.01E-06	4.29E-07
5669	483496.41	3854107	4.23E-03	4.12E-03	4.07E-03	1.46E-06	4.42E-06	2.56E-06	2.49E-06	2.26E-06	1.03E-06	1.02E-06	4.88E-08	1.18E-06	2.60E-07	3.39E-07	5.37E-07	9.47E-08	6.72E-08	2.53E-06	1.33E-06	5.66E-07	6.66E-07	2.62E-07	1.33E-06	5.66E-07
5670	483577.56	3854262	6.78E-03	6.62E-03	6.53E-03	2.35E-06	7.09E-06	4.10E-06	4.00E-06	3.63E-06	1.66E-06	1.63E-06	7.84E-08	1.89E-06	4.18E-07	5.44E-07	8.63E-07	1.52E-07	1.08E-07	4.06E-06	2.14E-06	9.08E-07	1.07E-06	4.20E-07	2.14E-06	9.08E-07
5671	483656.83	3854319	7.07E-03	6.89E-03	6.80E-03	2.45E-06	7.39E-06	4.28E-06	4.17E-06	3.78E-06	1.73E-06	1.70E-06	8.17E-08	1.97E-06	4.35E-07	5.66E-07	8.99E-07	1.58E-07	1.12E-07	4.23E-06	2.23E-06	9.46E-07	1.11E-06	4.37E-07	2.23E-06	9.46E-07
5672	483736.1	3854376	7.37E-03	7.20E-03	7.10E-03	2.55E-06	7.71E-06	4.46E-06	4.35E-06	3.95E-06	1.80E-06	1.78E-06	8.52E-08	2.06E-06	4.54E-07	5.91E-07	9.38E-07	1.65E-07	1.17E-07	4.41E-06	2.33E-06	9.88E-07	1.16E-06	4.56E-07	2.33E-06	9.88E-07
5673	483815.36	3854434	7.81E-03	7.62E-03	7.52E-03	2.70E-06	8.16E-06	4.72E-06	4.61E-06	4.18E-06	1.91E-06	1.88E-06	9.02E-08	2.18E-06	4.81E-07	6.26E-07	9.93E-07	1.75E-07	1.24E-07	4.67E-06	2.46E-06	1.05E-06	1.23E-06	4.83E-07	2.46E-06	1.05E-06
5674	483894.63	3854491	8.31E-03	8.11E-03	8.00E-03	2.88E-06	8.68E-06	5.03E-06	4.91E-06	4.45E-06	2.03E-06	2.00E-06	9.60E-08	2.32E-06	5.12E-07	6.66E-07	1.06E-06	1.86E-07	1.32E-07	4.97E-06	2.62E-06	1.11E-06	1.31E-06	5.14E-07	2.62E-06	1.11E-06
5675	483973.9	3854548	8.83E-03	8.62E-03	8.51E-03	3.06E-06	9.23E-06	5.35E-06	5.22E-06	4.73E-06	2.16E-06	2.13E-06	1.02E-07	2.47E-06	5.44E-07	7.08E-07	1.12E-06	1.98E-07	1.40E-07	5.28E-06	2.79E-06	1.18E-06	1.39E-06	5.47E-07	2.79E-06	1.18E-06
5676	484053.17	3854605	9.68E-03	9.45E-03	9.32E-03	3.35E-06	1.01E-05	5.86E-06	5.72E-06	5.18E-06	2.36E-06	2.33E-06	1.12E-07	2.70E-06	5.96E-07	7.76E-07	1.23E-06	2.17E-07	1.54E-07	5.79E-06	3.06E-06	1.30E-06	1.52E-06	5.99E-07	3.06E-06	1.30E-06
5677	484214.97	3854698	9.93E-03	9.69E-03	9.57E-03	3.44E-06	1.04E-05	6.01E-06	5.87E-06	5.32E-06	2.43E-06	2.39E-06	1.15E-07	2.77E-06	6.12E-07	7.96E-07	1.26E-06	2.23E-07	1.58E-07	5.94E-06	3.14E-06	1.33E-06	1.56E-06	6.15E-07	3.14E-06	1.33E-06
5678	484297.5	3854734	1.01E-02	9.84E-03	9.71E-03	3.49E-06	1.05E-05	6.10E-06	5.96E-06	5.40E-06	2.46E-06	2.43E-06	1.17E-07	2.82E-06	6.22E-07	8.09E-07	1.28E-06	2.26E-07	1.60E-07	6.03E-06	3.18E-06	1.35E-06	1.59E-06	6.24E-07	3.18E-06	1.35E-06
5679	484380.03	3854769	9.90E-03	9.66E-03	9.53E-03	3.43E-06	1.03E-05	5.99E-06	5.85E-06	5.30E-06	2.42E-06	2.39E-06	1.14E-07	2.76E-06	6.10E-07	7.94E-07	1.26E-06	2.22E-07	1.57E-07	5.92E-06	3.13E-06	1.33E-06	1.56E-06	6.13E-07	3.13E-06	1.33E-06
5680	484462.56	3854805	9.85E-03	9.61E-03	9.48E-03	3.41E-06	1.03E-05	5.96E-06	5.81E-06	5.27E-06	2.40E-06	2.37E-06	1.14E-07	2.75E-06	6.07E-07	7.89E-07	1.25E-06	2.21E-07	1.57E-07	5.89E-06	3.11E-06	1.32E-06	1.55E-06	6.09E-07	3.11E-06	1.32E-06
5681	484545.09	3854841	9.47E-03	9.24E-03	9.12E-03	3.28E-06	9.90E-06	5.73E-06	5.59E-06	5.07E-06	2.31E-06	2.28E-06	1.10E-07	2.65E-06	5.84E-07	7.59E-07	1.20E-06	2.12E-07	1.51E-07	5.67E-06	2.99E-06	1.27E-06	1.49E-06	5.86E-07	2.99E-06	1.27E-06
5682	484691.88	3854913	9.93E-03	9.69E-03	9.56E-03	3.44E-06	1.04E-05	6.01E-06	5.86E-06	5.32E-06	2.43E-06	2.39E-06	1.15E-07	2.77E-06	6.12E-07	7.96E-07	1.26E-06	2.23E-07	1.58E-07	5.94E-06	3.13E-06	1.33E-06	1.56E-06	6.15E-07	3.13E-06	1.33E-06
5683	484830.81	3855013	8.48E-03	8.28E-03	8.17E-03	2.94E-06	8.86E-06	5.13E-06	5.01E-06	4.54E-06	2.07E-06	2.04E-06	9.80E-08	2.37E-06	5.23E-07	6.80E-07	1.08E-06	1.90E-07	1.35E-07	5.07E-06	2.68E-06	1.14E-06	1.34E-06	5.25E-07	2.68E-06	1.14E-06
5684	484905.48	3855076	7.90E-03	7.71E-03	7.61E-03	2.73E-06	8.26E-06	4.78E-06	4.66E-06	4.23E-06	1.93E-06	1.90E-06	9.13E-08	2.21E-06	4.87E-07	6.33E-07	1.00E-06	1.77E-07	1.26E-07	4.72E-06	2.49E-06	1.06E-06	1.24E-06	4.89E-07	2.49E-06	1.06E-06
5685	484980.14	3855139	7.53E-03	7.34E-03	7.25E-03	2.61E-06	7.87E-06	4.55E-06	4.44E-06	4.03E-06	1.84E-06	1.81E-06	8.70E-08	2.10E-06	4.64E-07	6.03E-07	9.57E-07	1.69E-07	1.20E-07	4.50E-06	2.38E-06	1.01E-06	1.19E-06	4.66E-07	2.38E-06	1.01E-06
5686	485054.81	3855203	7.15E-03	6.97E-03	6.88E-03	2.47E-06	7.47E-06	4.32E-06	4.22E-06	3.82E-06	1.75E-06	1.72E-06	8.26E-08	2.00E-06	4.40E-07	5.73E-07	9.09E-07	1.60E-07	1.14E-07	4.27E-06	2.26E-06	9.57E-07	1.13E-06	4.42E-07	2.26E-06	9.57E-07
5687	485129.48	3855266	6.66E-03	6.50E-03	6.41E-03	2.31E-06	6.96E-06	4.03E-06	3.93E-06	3.56E-06	1.63E-06	1.60E-06	7.70E-08	1.86E-06	4.10E-07	5.34E-07	8.47E-07	1.49E-07	1.06E-07	3.98E-06	2.10E-06	8.92E-07	1.05E-06	4.12E-07	2.10E-06	8.92E-07
5688	485204.15	3855330	6.58E-03	6.42E-03	6.34E-03	2.28E-06	6.88E-06	3.98E-06	3.89E-06	3.52E-06	1.61E-06	1.59E-06	7.61E-08	1.84E-06	4.06E-07	5.28E-07	8.37E-07	1.48E-07	1.05E-07	3.94E-06	2.08E-06	8.81E-07	1.04E-06	4.07E-07	2.08E-06	8.81E-07
5689	485278.82	3855393	6.29E-03	6.13E-03	6.05E-03	2.18E-06	6.57E-06	3.80E-06	3.71E-06	3.36E-06	1.54E-06	1.51E-06	7.27E-08	1.76E-06	3.87E-07	5.04E-07	7.99E-07	1.41E-07	9.99E-08	3.76E-06	1.98E-06	8.42E-07	9.90E-07	3.89E-07	1.98E-06	8.42E-07
5690	485353.48	3855457	6.08E-03	5.93E-03	5.85E-03	2.10E-06	6.35E-06	3.68E-06	3.59E-06	3.25E-06	1.48E-06	1.47E-06	7.03E-08	1.70E-06	3.75E-07	4.87E-07	7.73E-07	1.36E-07	9.66E-08	3.64E-06	1.92E-06	8.14E-07	9.58E-07	3.76E-07	1.92E-06	8.14E-07
5691	485428.15	3855520	5.82E-03	5.68E-03	5.60E-03	2.01E-06	6.08E-06	3.52E-06	3.43E-06	3.11E-06	1.42E-06	1.40E-06	6.72E-08	1.62E-06	3.58E-07	4.66E-07	7.40E-07	1.30E-07	9.25E-08	3.48E-06	1.84E-06	7.79E-07	9.16E-07	3.60E-07	1.84E-06	7.79E-07

5692	485502.82	3855584	5.61E-03	5.48E-03	5.40E-03	1.94E-06	5.87E-06	3.40E-06	3.31E-06	3.00E-06	1.37E-06	1.35E-06	6.49E-08	1.57E-06	3.46E-07	4.50E-07	7.14E-07	1.26E-07	8.92E-08	3.36E-06	1.77E-06	7.52E-07	8.84E-07	3.47E-07	1.77E-06	7.52E-07
5693	485577.49	3855647	5.50E-03	5.37E-03	5.30E-03	1.90E-06	5.75E-06	3.33E-06	3.25E-06	2.94E-06	1.34E-06	1.33E-06	6.36E-08	1.54E-06	3.39E-07	4.41E-07	7.00E-07	1.23E-07	8.74E-08	3.29E-06	1.74E-06	7.37E-07	8.67E-07	3.40E-07	1.74E-06	7.37E-07
5694	485652.16	3855711	5.38E-03	5.25E-03	5.18E-03	1.86E-06	5.62E-06	3.26E-06	3.18E-06	2.88E-06	1.31E-06	1.30E-06	6.22E-08	1.50E-06	3.31E-07	4.31E-07	6.84E-07	1.21E-07	8.55E-08	3.22E-06	1.70E-06	7.20E-07	8.47E-07	3.33E-07	1.70E-06	7.20E-07
5695	485726.83	3855774	5.19E-03	5.07E-03	5.00E-03	1.80E-06	5.43E-06	3.14E-06	3.07E-06	2.78E-06	1.27E-06	1.25E-06	6.00E-08	1.45E-06	3.20E-07	4.16E-07	6.60E-07	1.16E-07	8.25E-08	3.10E-06	1.64E-06	6.95E-07	8.18E-07	3.21E-07	1.64E-06	6.95E-07
5696	485801.49	3855838	4.99E-03	4.87E-03	4.80E-03	1.73E-06	5.21E-06	3.02E-06	2.94E-06	2.67E-06	1.22E-06	1.20E-06	5.76E-08	1.39E-06	3.07E-07	4.00E-07	6.34E-07	1.12E-07	7.93E-08	2.98E-06	1.57E-06	6.68E-07	7.86E-07	3.09E-07	1.57E-06	6.68E-07
5697	485876.16	3855901	4.86E-03	4.74E-03	4.68E-03	1.68E-06	5.08E-06	2.94E-06	2.87E-06	2.60E-06	1.19E-06	1.17E-06	5.62E-08	1.36E-06	2.99E-07	3.90E-07	6.18E-07	1.09E-07	7.73E-08	2.91E-06	1.53E-06	6.51E-07	7.66E-07	3.01E-07	1.53E-06	6.51E-07
5698	485950.83	3855965	4.73E-03	4.61E-03	4.55E-03	1.64E-06	4.94E-06	2.86E-06	2.79E-06	2.53E-06	1.15E-06	1.14E-06	5.46E-08	1.32E-06	2.91E-07	3.79E-07	6.01E-07	1.06E-07	7.51E-08	2.83E-06	1.49E-06	6.33E-07	7.45E-07	2.93E-07	1.49E-06	6.33E-07
5699	486025.5	3856028	4.55E-03	4.44E-03	4.38E-03	1.58E-06	4.76E-06	2.76E-06	2.69E-06	2.44E-06	1.11E-06	1.10E-06	5.26E-08	1.27E-06	2.81E-07	3.65E-07	5.79E-07	1.02E-07	7.24E-08	2.72E-06	1.44E-06	6.10E-07	7.17E-07	2.82E-07	1.44E-06	6.10E-07
5700	486100.17	3856091	4.56E-03	4.45E-03	4.39E-03	1.58E-06	4.76E-06	2.76E-06	2.69E-06	2.44E-06	1.11E-06	1.10E-06	5.27E-08	1.27E-06	2.81E-07	3.65E-07	5.80E-07	1.02E-07	7.24E-08	2.73E-06	1.44E-06	6.10E-07	7.18E-07	2.82E-07	1.44E-06	6.10E-07
5701	486174.83	3856155	4.36E-03	4.25E-03	4.20E-03	1.51E-06	4.55E-06	2.64E-06	2.57E-06	2.33E-06	1.06E-06	1.05E-06	5.04E-08	1.22E-06	2.69E-07	3.49E-07	5.54E-07	9.77E-08	6.93E-08	2.61E-06	1.38E-06	5.84E-07	6.87E-07	2.70E-07	1.38E-06	5.84E-07
5702	486249.5	3856218	4.10E-03	4.01E-03	3.95E-03	1.42E-06	4.29E-06	2.48E-06	2.42E-06	2.20E-06	1.00E-06	9.89E-07	4.74E-08	1.15E-06	2.53E-07	3.29E-07	5.22E-07	9.20E-08	6.52E-08	2.45E-06	1.30E-06	5.50E-07	6.47E-07	2.54E-07	1.30E-06	5.50E-07
5703	486324.17	3856282	3.99E-03	3.89E-03	3.84E-03	1.38E-06	4.17E-06	2.41E-06	2.36E-06	2.14E-06	9.74E-07	9.61E-07	4.61E-08	1.11E-06	2.46E-07	3.20E-07	5.07E-07	8.94E-08	6.34E-08	2.39E-06	1.26E-06	5.34E-07	6.28E-07	2.47E-07	1.26E-06	5.34E-07
5704	486398.84	3856345	4.03E-03	3.93E-03	3.88E-03	1.40E-06	4.21E-06	2.44E-06	2.38E-06	2.16E-06	9.84E-07	9.71E-07	4.66E-08	1.13E-06	2.48E-07	3.23E-07	5.13E-07	9.03E-08	6.41E-08	2.41E-06	1.27E-06	5.40E-07	6.35E-07	2.49E-07	1.27E-06	5.40E-07
5705	486473.51	3856409	3.97E-03	3.87E-03	3.82E-03	1.37E-06	4.15E-06	2.40E-06	2.34E-06	2.12E-06	9.69E-07	9.56E-07	4.59E-08	1.11E-06	2.44E-07	3.18E-07	5.04E-07	8.89E-08	6.31E-08	2.37E-06	1.25E-06	5.31E-07	6.25E-07	2.46E-07	1.25E-06	5.31E-07
5706	486548.17	3856472	3.95E-03	3.85E-03	3.80E-03	1.37E-06	4.13E-06	2.39E-06	2.33E-06	2.11E-06	9.64E-07	9.51E-07	4.56E-08	1.10E-06	2.43E-07	3.16E-07	5.02E-07	8.85E-08	6.27E-08	2.36E-06	1.25E-06	5.29E-07	6.22E-07	2.44E-07	1.25E-06	5.29E-07
5707	486622.84	3856536	3.91E-03	3.81E-03	3.76E-03	1.35E-06	4.08E-06	2.36E-06	2.31E-06	2.09E-06	9.54E-07	9.41E-07	4.52E-08	1.09E-06	2.41E-07	3.13E-07	4.97E-07	8.76E-08	6.21E-08	2.34E-06	1.23E-06	5.23E-07	6.15E-07	2.42E-07	1.23E-06	5.23E-07
5708	486765.48	3856660	3.79E-03	3.70E-03	3.65E-03	1.31E-06	3.96E-06	2.29E-06	2.24E-06	2.03E-06	9.26E-07	9.14E-07	4.38E-08	1.06E-06	2.34E-07	3.04E-07	4.82E-07	8.50E-08	6.03E-08	2.27E-06	1.20E-06	5.08E-07	5.97E-07	2.35E-07	1.20E-06	5.08E-07
5709	486833.44	3856720	3.76E-03	3.67E-03	3.62E-03	1.30E-06	3.93E-06	2.27E-06	2.22E-06	2.01E-06	9.18E-07	9.06E-07	4.35E-08	1.05E-06	2.32E-07	3.01E-07	4.78E-07	8.43E-08	5.98E-08	2.25E-06	1.19E-06	5.03E-07	5.92E-07	2.33E-07	1.19E-06	5.03E-07
5710	486901.41	3856781	3.73E-03	3.64E-03	3.59E-03	1.29E-06	3.89E-06	2.25E-06	2.20E-06	1.99E-06	9.10E-07	8.98E-07	4.31E-08	1.04E-06	2.30E-07	2.99E-07	4.74E-07	8.35E-08	5.92E-08	2.23E-06	1.18E-06	4.99E-07	5.87E-07	2.31E-07	1.18E-06	4.99E-07
5711	486969.38	3856841	3.70E-03	3.61E-03	3.56E-03	1.28E-06	3.87E-06	2.24E-06	2.19E-06	1.98E-06	9.04E-07	8.92E-07	4.28E-08	1.03E-06	2.28E-07	2.97E-07	4.71E-07	8.30E-08	5.88E-08	2.21E-06	1.17E-06	4.96E-07	5.83E-07	2.29E-07	1.17E-06	4.96E-07
5712	487037.34	3856902	3.68E-03	3.59E-03	3.55E-03	1.28E-06	3.85E-06	2.23E-06	2.17E-06	1.97E-06	9.00E-07	8.88E-07	4.26E-08	1.03E-06	2.27E-07	2.95E-07	4.68E-07	8.26E-08	5.86E-08	2.20E-06	1.16E-06	4.93E-07	5.80E-07	2.28E-07	1.16E-06	4.93E-07
5713	487271.23	3856856	2.28E-03	2.23E-03	2.20E-03	7.89E-07	2.38E-06	1.38E-06	1.35E-06	1.22E-06	5.57E-07	5.50E-07	2.64E-08	6.37E-07	1.41E-07	1.83E-07	2.90E-07	5.11E-08	3.63E-08	1.36E-06	7.20E-07	3.05E-07	3.59E-07	1.41E-07	7.20E-07	3.05E-07
5714	487368.95	3856857	2.05E-03	2.00E-03	1.98E-03	7.11E-07	2.15E-06	1.24E-06	1.21E-06	1.10E-06	5.01E-07	4.95E-07	2.37E-08	5.73E-07	1.26E-07	1.65E-07	2.61E-07	4.60E-08	3.26E-08	1.23E-06	6.48E-07	2.75E-07	3.23E-07	1.27E-07	6.48E-07	2.75E-07
5715	487466.68	3856859	1.88E-03	1.83E-03	1.81E-03	6.50E-07	1.96E-06	1.14E-06	1.11E-06	1.01E-06	4.59E-07	4.53E-07	2.17E-08	5.24E-07	1.16E-07	1.51E-07	2.39E-07	4.21E-08	2.99E-08	1.12E-06	5.93E-07	2.52E-07	2.96E-07	1.16E-07	5.93E-07	2.52E-07
5716	487636.44	3856930	1.75E-03	1.71E-03	1.68E-03	6.05E-07	1.83E-06	1.06E-06	1.03E-06	9.36E-07	4.27E-07	4.22E-07	2.02E-08	4.88E-07	1.08E-07	1.40E-07	2.22E-07	3.92E-08	2.78E-08	1.05E-06	5.52E-07	2.34E-07	2.76E-07	1.08E-07	5.52E-07	2.34E-07
5717	487709.57	3856928	1.66E-03	1.62E-03	1.60E-03	5.73E-07	1.73E-06	1.00E-06	9.78E-07	8.87E-07	4.05E-07	3.99E-07	1.91E-08	4.63E-07	1.02E-07	1.33E-07	2.11E-07	3.71E-08	2.63E-08	9.91E-07	5.23E-07	2.22E-07	2.61E-07	1.03E-07	5.23E-07	2.22E-07
5718	487782.55	3856842	1.48E-03	1.44E-03	1.42E-03	5.12E-07	1.55E-06	8.95E-07	8.73E-07	7.92E-07	3.61E-07	3.56E-07	1.71E-08	4.13E-07	9.11E-08	1.19E-07	1.88E-07	3.31E-08	2.35E-08	8.85E-07	4.67E-07	1.98E-07	2.33E-07	9.15E-08	4.67E-07	1.98E-07
5719	487849.83	3856755	1.35E-03	1.31E-03	1.30E-03	4.66E-07	1.41E-06	8.15E-07	7.95E-07	7.21E-07	3.29E-07	3.24E-07	1.56E-08	3.76E-07	8.29E-08	1.08E-07	1.71E-07	3.02E-08	2.14E-08	8.05E-07	4.25E-07	1.80E-07	2.12E-07	8.33E-08	4.25E-07	1.80E-07
5720	487918.03	3856819	1.36E-03	1.32E-03	1.31E-03	4.70E-07	1.42E-06	8.21E-07	8.01E-07	7.26E-07	3.31E-07	3.27E-07	1.57E-08	3.79E-07	8.36E-08	1.09E-07	1.73E-07	3.04E-08	2.16E-08	8.12E-07	4.28E-07	1.82E-07	2.14E-07	8.40E-08	4.28E-07	1.82E-07
5721	487918.8	3856886	1.42E-03	1.38E-03	1.36E-03	4.90E-07	1.48E-06	8.57E-07	8.36E-07	7.58E-07	3.46E-07	3.41E-07	1.64E-08	3.95E-07	8.72E-08	1.14E-07	1.80E-07	3.17E-08	2.25E-08	8.47E-07	4.47E-07	1.90E-07	2.23E-07	8.76E-08	4.47E-07	1.90E-07
5722	488065.46	3857128	1.54E-03	1.50E-03	1.48E-03	5.33E-07	1.61E-06	9.31E-07	9.09E-07	8.24E-07	3.76E-07	3.71E-07	1.78E-08	4.30E-07	9.48E-08	1.23E-07	1.96E-07	3.45E-08	2.45E-08	9.20E-07	4.86E-07	2.06E-07	2.42E-07	9.52E-08	4.86E-07	2.06E-07
5723	488192.19	3857386	1.75E-03	1.71E-03	1.69E-03	6.07E-07	1.83E-06	1.06E-06	1.03E-06	9.38E-07	4.28E-07	4.22E-07	2.03E-08	4.89E-07	1.08E-07	1.40E-07	2.23E-07	3.93E-08	2.79E-08	1.05E-06	5.53E-07	2.35E-07	2.76E-07	1.08E-07	5.53E-07	2.35E-07
5724	488191.21	3857474	1.90E-03	1.86E-03	1.83E-03	6.59E-07	1.99E-06	1.15E-06	1.12E-06	1.02E-06	4.65E-07	4.59E-07	2.20E-08	5.32E-07	1.17E-07	1.53E-07	2.42E-07	4.27E-08	3.03E-08	1.14E-06	6.01E-07	2.55E-07	3.00E-07	1.18E-07	6.01E-07	2.55E-07
5725	488190.24	3857562	2.09E-03	2.04E-03	2.01E-03	7.23E-07	2.18E-06	1.26E-06	1.23E-06	1.12E-06	5.10E-07	5.03E-07	2.41E-08	5.83E-07	1.29E-07	1.67E-07	2.66E-07	4.68E-08	3.32E-08	1.25E-06	6.59E-07	2.80E-07	3.29E-07	1.29E-07	6.59E-07	2.80E-07
5726	488158.35	3857691	2.53E-03	2.47E-03	2.43E-03	8.75E-07	2.64E-06	1.53E-06	1.49E-06	1.35E-06	6.17E-07	6.09E-07	2.92E-08	7.06E-07	1.56E-07	2.03E-07	3.21E-07	5.66E-08	4.02E-08	1.51E-06	7.98E-07	3.38E-07	3.98E-07	1.56E-07	7.98E-07	3.38E-07
5727	488208.37	3857817	2.87E-03	2.80E-03	2.76E-03	9.92E-07	3.00E-06	1.73E-06	1.69E-06	1.53E-06	7.00E-07	6.91E-07	3.31E-08	8.00E-07	1.77E-07	2.30E-07	3.64E-07	6.42E-08	4.55E-08	1.71E-06	9.04E-07	3.84E-07	4.51E-07	1.77E-07	9.04E-07	3.84E-07
5728	488271.97	3857875	2.89E-03	2.82E-03	2.78E-03	1.00E-06	3.02E-06	1.75E-06	1.71E-06	1.55E-06	7.06E-07	6.97E-07	3.34E-08	8.08E-07	1.78E-07	2.32E-07	3.68E-07	6.48E-08	4.60E-08	1.73E-06	9.13E-07	3.87E-07	4.56E-07	1.79E-07	9.13E-07	3.87E-07
5729	488463.56	3857942	2.57E-03	2.51E-03	2.47E-03	8.89E-07	2.68E-06	1.55E-06	1.52E-06	1.37E-06	6.27E-07	6.19E-07	2.97E-08	7.17E-07	1.58E-07	2.06E-07	3.26E-07	5.75E-08	4.08E-08	1.54E-06	8.10E-07	3.44E-07	4.04E-07	1.59E-07	8.10E-07	3.44E-07
5730	488554.83	3857941	2.35E-03	2.29E-03	2.26E-03	8.12E-07	2.45E-06	1.42E-06	1.38E-06	1.26E-06	5.73E-07	5.65E-07	2.71E-08	6.55E-07	1.45E-07	1.88E-07	2.98E-07	5.26E-08	3.73E-08	1.40E-06	7.40E-07	3.14E-07	3.69E-07	1.45E-07	7.40E-07	3.14E-07
5731	488646.1	3857939	2.16E-03	2.11E-03	2.08E-03	7.49E-07	2.26E-06	1.31E-06	1.28E-06	1.16E-06	5.29E-07	5.22E-07	2.50E-08	6.04E-07	1.33E-07	1.74E-07	2.75E-07	4.85E-08	3.44E-08	1.29E-06	6.83E-07	2.90E-07	3.41E-07	1.34E-07	6.83E-07	2.90E-07
5732	488737.37	3857938	2.01E-03	1.97E-03	1.94E-03	6.97E-07	2.10E-06	1.22E-06	1.19E-06	1.08E-06	4.92E-07	4.85E-07	2.33E-08	5.62E-07	1.24E-07	1.61E-07	2.56E-07	4.51E-08	3.20E-08	1.20E-06	6.36E-07	2.70E-07	3.17E-07	1.25E-07	6.36E-07	2.70E-07
5733	488733.59	3857961	2.07E-03	2.02E-03	1.99E-03	7.15E-07	2.16E-06	1.25E-06	1.22E-06	1.11E-06	5.04E-07	4.98E-07	2.39E-08	5.77E-07	1.27E-07	1.66E-07	2.63E-07	4.63E-08	3.28E-08	1.24E-06	6.52E-07	2.77E-07	3.25E-07	1.28E-07	6.52E-07	2.77E-07
5734	488638.09	3857962	2.23E-03	2.18E-03	2.15E-03	7.73E-07	2.33E-06	1.35E-06	1.32E-06	1.19E-06	5.45E-07	5.38E-07	2.58E-08	6.23E-07	1.38E-07	1.79E-07	2.84E-07	5.00E-08	3.55E-08	1.33E-06	7.04E-07	2.99E-07	3.52E-07	1.38E-07	7.04E-07	2.99E-07
5735	488542.6	3857963	2.44E-03	2.38E-03	2.35E-03	8.44E-07	2.55E-06	1.48E-06	1.44E-06	1.30E-06	5.95E-07	5.87E-07	2.82E-08	6.81E-07	1.50E-07	1.95E-07	3.10E-07	5.46E-08	3.87E-08	1.46E-06	7.69E-07	3.26E-07	3.84E-07	1.51E-07	7.69E-07	3.26E-07
5736	488447.1	3857964	2.69E-03	2.63E-03	2.59E-03	9.32E-07	2.81E-06	1.63E-06	1.59E-06	1.44E-06	6.57E-07	6.49E-07	3.11E-08	7.52E-07	1.66E-07	2.16E-07	3.42E-07	6.03E-08	4.28E-08	1.61E-06	8.50E-07	3.61E-07	4.24E-07	1.67E-07	8.50E-07	3.61E-07
5737	488254.28	3857890	3.04E-03	2.97E-03	2.93E-03	1.05E-06	3.18E-06	1.84E-06	1.80E-06	1.63E-06	7.43E-07	7.33E-07	3.52E-08	8.49E-07	1.87E-07	2.44E-07	3.87E-07	6.82E-08	4.83E-08	1.82E-06	9.60E-07	4.07E-07	4.79E-07	1.88E-07	9.60E-07	4.07E-07
5738	488191.69	3857833	3.01E-03	2.94E-03	2.90E-03	1.04E-06	3.15E-06	1.82E-06	1.78E-06	1.61E-06	7.35E-07	7.25E-07	3.48E-08	8.40E-07	1.85E-07	2.41E-07	3.83E-07	6.75E-08	4.78E-08	1.80E-06	9.50E-07	4.03E-07	4.74E-07	1.86E-07	9.50E-07	4.03E-07
5739	488129.5	3857907	3.88E-03	3.79E-03	3.74E-03	1.34E-06	4.06E-06	2.35E-06	2.29E-06	2.08E-06	9.48E-07	9.35E-07	4.48E-08	1.08E-06	2.39E-07	3.11E-07	4.93E-07	8.70E-08	6.17E-08	2.32E-06	1.22E-06	5.20E-07	6.11E-07	2.40E-07	1.22E-06	5.20E-07
5740	488196.47	3857969	3.92E-03	3.82E-03	3.77E-03	1.36E-06	4.10E-06	2.37E-06	2.31E-06	2.10E-06	9.57E-07	9.45E-07	4.53E-08	1.09E-06	2.42E-07	3.14E-07	4.98E-07	8.79E-08	6.23E-08	2.34E-06	1.24E-06	5.25E-07	6.17E-07	2.43E-07	1.24E-06	5.25E-07
5741	488263.44	3858030	3.94E-03	3.85E-03	3.80E-03	1.37E-06	4.12E-06	2.39E-06	2.33E-06	2.11E-06	9.63E-07	9.51E-07	4.56E-08	1.10E-06	2.43E-07	3.16E-07	5.02E-07	8.84E-08	6.27E-08	2.36E-06	1.24E-06	5.28E-07	6.21E-07	2.44E-07	1.24E-06	5.28E-07
5742	488400.64	3858133	3.84E-03	3.75E-03	3.70E-03	1.33E-06	4.02E-06	2.33E-06	2.27E-06	2.06E-06	9.39E-07	9.26E-07	4.44E-08	1.07E-06	2.37E-07	3.08E-07	4.89E-07	8.62E-08	6.11E-08	2.30E-06	1.21E-06	5.15E-07	6.06E-07	2.38E-07	1.21E-06	5.15E-07
5743	488519.89	3858218	3.87E-03	3.77E-03	3.72E-03	1.34E-06	4.04E-06	2.34E-06	2.28E-06	2.07E-06	9.44E-07	9.32E-07	4.47E-08	1.08E-06	2.38E-07	3.10E-07	4.92E-07	8.67E-08	6.15E-08	2.31E-06	1.22E-06	5.18E-07	6.09E-07	2.39E-07	1.22E-06	5.18E-07
5744	488647.97	3858215	3.17E-03	3.09E-03	3.05E-03	1.10E-06	3.31E-06	1.92E-06	1.87E-06	1.70E-06	7.74E-07	7.64E-07	3.66E-08	8.85E-07	1.95E-07	2.54E-07	4.03E-07	7.10E-08	5.04E-08	1.90E-06	1.00E-06	4.24E-07	4.99E-07	1.96E-07	1.00E-06	4.24E-07
5745	488727.05	3858168	2.68E-03	2.62E-03	2.58E-03	9.29E-07	2.80E-06	1.62E-06	1.58E-06	1.44E-06	6.55E-07	6.47E-07	3.10E-08	7.49E-07	1.65E-07	2.15E-07	3.41E-07	6.01E-08	4.27E-08	1.60E-06	8.47E-07	3.59E-07	4.23E-07	1.66E-07	8.47E-07	3.59E-07
5746	488806.12	3858120	2.34E-03	2.28E-03	2.25E-03	8.09E-07	2.44E-06	1.41E-06	1.38E-06	1.25E-06	5.71E-07	5.63E-07	2.70E-08	6.53E-07	1.44E-07	1.87E-07	2.97E-07	5.24E-08	3.72E-08	1.40E-06	7.38E-07	3.13E-07	3.68E-07	1.45E-07	7.38E-07	3.13E-07
5747	488885.2	3858073	2.08E-03	2.03E-03	2.00E-03	7.19E-07	2.17E-06	1.26E-06	1.23E-06	1.11E-06	5.07E-07	5.00E-07	2.40E-08	5.80E-07	1.28E-07	1.66E-07	2.64E-07	4.65E-08	3.30E-08	1.24E-06	6.55E-07	2.78E-07	3.27E-07	1.28E-07	6.55E-07	2.78E-07
5748	489055.76	3857991	1.71E-03	1.67E-03	1.65E-03	5.92E-07	1.79E-06	1.03E-06	1.01E-06	9.15E-07	4.18E-07	4.12E-07	1.98E-08	4.77E-07	1.05E-07	1.37E-07	2.17E-07	3.83E-08	2.72E-08	1.02E-06	5.40E-07	2.29E-07	2.69E-07	1.06E-07	5.40E-07	2.29E-07
5749	489245.39	3857945	1.48E-03	1.45E-03	1.43E-03	5.13E-07	1.55E-06	8.97E-07	8.75E-07	7.93E-07	3.62E-07	3.57E-07	1.71E-08	4.14E-07	9.13E-08	1.19E-07	1.88E-07	3.32E-08	2.36E-08	8.86E-07	4.68E-07	1.98E-07	2.33E-07	9.17E-08	4.68E-07	1.98E-07
5750	489430.63	3857931	1.35E-03	1.32E-03	1.30E-03	4.67E-07	1.41E-06	8.16E-07	7.97E-07	7.22E-07	3.29E-07	3.25E-07	1.56E-08	3.77E-07	8.31E-08	1.08E-07	1.72E-07	3.02E-08	2.14E-08	8.07E-07	4.26E-07	1.81E-07	2.13E-07	8.35E-08	4.26E-07	1.81E-07
5751	489517.74	3857929	1.30E-03	1.27E-03	1.25E-03	4.50E-07	1.36E-06	7.86E-07	7.67E-07	6.95E-07	3.17E-07	3.13E-07	1.50E-08	3.63E-07	8.00E-08	1.04E-07	1.65E-07	2.91E-08	2.06E-08	7.77E-07	4.10E-07	1.74E-07	2.05E-07	8.04E-08	4.10E-07	1.74E-07
5752	489604.85	3857928	1.25E-03	1.22E-03	1.20E-03	4.33E-07	1.31E-06	7.57E-07	7.39E-07	6.70E-07	3.06E-07	3.02E-07	1.45E-08	3.49E-07	7.71E-08	1.00E-07	1.59E-07	2.80E-08	1.99E-08	7.48E-07	3.95E-07	1.68E-07	1.97E-07	7.74E-08	3.95E-07	1.68E-07
5753	489691.97	3857926	1.21E-03	1.18E-03	1.16E-03	4.19E-07	1.26E-06	7.32E-07	7.14E-07	6.47E-07	2.95E-07	2.91E-07	1.40E-08	3.38E-07	7.45E-08	9.69E-08	1.54E-07	2.71E-08	1.92E-08	7.23E-07	3.82E-07	1.62E-07	1.91E-07	7.48E-08	3.82E-07	1.62E-07
5754	489779.08	3857925	1.17E-03	1.14E-03	1.13E-03	4.05E-07	1.22E-06	7.08E-07	6.91E-07	6.26E-07	2.86E-07	2.82E-07	1.35E-08	3.27E-07	7.21E-08	9.38E-08	1.49E-07	2.62E-08	1.86E-08	6.99E-07	3.69E-07	1.57E-07	1.84E-07	7.24E-08	3.69E-07	1.57E-07
5755	490017.55	3857875	1.05E-03	1.03E-03	1.01E-03	3.64E-07	1.10E-06	6.36E-07	6.20E-07	5.62E-07	2.57E-07	2.53E-07	1.21E-08	2.93E-07	6.47E-08	8.42E-08	1.34E-07	2.36E-08	1.67E-08	6.28E-07	3.32E-07	1.41E-07	1.66E-07	6.50E-08	3.32E-07	1.41E-07
5756	490033.82	3857961	1.09E-03	1.07E-03	1.05E-03	3.78E-07	1.14E-06	6.61E-07	6.45E-07	5.85E-07	2.67E-07	2.63E-07	1.26E-08	3.05E-07	6.74E-08	8.76E-08	1.39E-07	2.45E-08	1.74E-08	6.54E-07	3.45E-07	1.46E-07	1.72E-07	6.77E-08	3.45E-07	1.46E-07
5757	489959.15	3857987	1.14E-03	1.11E-03	1.10E-03	3.95E-07	1.19E-06	6.90E-07	6.73E-07	6.10E-07	2.78E-07	2.75E-07	1.32E-08	3.18E-07	7.02E-08	9.14E-08	1.45E-07	2.56E-08	1.81E-08	6.82E-07	3.60E-07	1.53E-07	1.80E-07	7.06E-08	3.60E-07	1.53E-07
5758	489791.49	3858016	1.22E-03	1.19E-03	1.18E-03	4.23E-07	1.28E-06	7.39E-07	7.21E-07	6.54E-07	2.98E-07	2.94E-07	1.41E-08	3.41E-07	7.53E-08	9.79E-08	1.55E-07	2.74E-08	1.94E-08	7.31E-07	3.86E-07	1.64E-07	1.92E-07	7.56E-08	3.86E-07	1.64E-07
5759	489698.51	3858018	1.27E-03	1.24E-03	1.22E-03	4.39E-07	1.33E-06	7.68E-07	7.49E-07	6.79E-07	3.10E-07	3.06E-07	1.47E-08	3.54E-07	7.82E-08	1.02E-07	1.61E-07	2.84E-08	2.02E-08	7.59E-07	4.01E-07	1.70E-07	2.00E-07	7.85E-08	4.01E-07	1.70E-07
5760	489605.52	3858020	1.32E-03	1.29E-03	1.27E-03	4.57E-07	1.38E-06	8.00E-07	7.80E-07	7.07E-07	3.23E-07	3.18E-07	1.53E-08	3.69E-07	8.14E-08	1.06E-07	1.68E-07	2.96E-08	2.10E-08	7.90E-07	4.17E-07	1.77E-07	2.08E-07	8.18E-08	4.17E-07	1.77E-07
5761	489512.53	3858022	1.38E-03	1.34E-03	1.33E-03	4.77E-07	1.44E-06	8.34E-07	8.14E-07	7.37E-07	3.36E-07	3.32E-07	1.59E-08	3.85E-07	8.49E-08	1.10E-07	1.75E-07	3.09E-08	2.19E-08	8.24E-07	4.35E-07	1.85E-07	2.17E-07	8.53E-08	4.35E-07	1.85E-07
5762	489419.55	3858024	1.44E-03	1.41E-03	1.39E-03	4.99E-07	1.51E-06	8.72E-07	8.51E-07	7.72E-07	3.52E-07	3.47E-07	1.67E-08	4.03E-07	8.88E-08	1.16E-07	1.83E-07	3.23E-08	2.29E-08	8.62E-07	4.55E-07	1.93E-07	2.27E-07	8.92E-08	4.55E-07	1.93E-07
5763	489228.47	3858041	1.60E-03	1.56E-03	1.54E-03	5.54E-07	1.67E-06	9.68E-07	9.45E-07	8.56E-07	3.91E-07	3.86E-07	1.85E-08	4.47E-07	9.86E-08	1.28E-07	2.03E-07	3.59E-08	2.54E-08	9.57E-07	5.05E-07	2.14E-07	2.52E-07	9.90E-08	5.05E-07	2.14E-07
5764	489065.75	3858086	1.84E-03	1.80E-03	1.77E-03	6.38E-07	1.92E-06	1.11E-06	1.09E-06	9.86E-07	4.50E-07	4.44E-07	2.13E-08	5.14E-07	1.13E-07	1.48E-07	2.34E-07	4.13E-08	2.93E-08	1.10E-06	5.81E-07	2.47E-07	2.90E-07	1.14E-07	5.81E-07	2.47E-07
5765	489001.12	3858115	1.98E-03	1.93E-03	1.91E-03	6.86E-07	2.07E-06	1.20E-06	1.17E-06	1.06E-06	4.84E-07	4.77E-07	2.29E-08	5.53E-07	1.22E-07	1.59E-07	2.52E-07	4.44E-08	3.15E-08	1.18E-06	6.25E-07	2.65E-07	3.12E-07	1.23E-07	6.25E-07	2.65E-07

5766	488861.89	3858190	2.41E-03	2.35E-03	2.32E-03	8.33E-07	2.51E-06	1.46E-06	1.42E-06	1.29E-06	5.87E-07	5.80E-07	2.78E-08	6.72E-07	1.48E-07	1.93E-07	3.06E-07	5.39E-08	3.82E-08	1.44E-06	7.59E-07	3.22E-07	3.79E-07	1.49E-07	7.59E-07	3.22E-07
5767	488787.29	3858236	2.77E-03	2.70E-03	2.66E-03	9.58E-07	2.89E-06	1.67E-06	1.63E-06	1.48E-06	6.76E-07	6.67E-07	3.20E-08	7.73E-07	1.71E-07	2.22E-07	3.52E-07	6.20E-08	4.40E-08	1.66E-06	8.74E-07	3.71E-07	4.36E-07	1.71E-07	8.74E-07	3.71E-07
5768	488712.68	3858282	3.25E-03	3.17E-03	3.13E-03	1.12E-06	3.40E-06	1.97E-06	1.92E-06	1.74E-06	7.93E-07	7.83E-07	3.76E-08	9.07E-07	2.00E-07	2.60E-07	4.13E-07	7.28E-08	5.16E-08	1.94E-06	1.03E-06	4.35E-07	5.12E-07	2.01E-07	1.03E-06	4.35E-07
5769	488654.39	3858436	5.10E-03	4.98E-03	4.91E-03	1.77E-06	5.33E-06	3.09E-06	3.01E-06	2.73E-06	1.25E-06	1.23E-06	5.90E-08	1.42E-06	3.14E-07	4.09E-07	6.49E-07	1.14E-07	8.11E-08	3.05E-06	1.61E-06	6.83E-07	8.04E-07	3.16E-07	1.61E-06	6.83E-07
5770	488726.3	3858505	5.28E-03	5.16E-03	5.09E-03	1.83E-06	5.52E-06	3.20E-06	3.12E-06	2.83E-06	1.29E-06	1.27E-06	6.11E-08	1.48E-06	3.26E-07	4.24E-07	6.72E-07	1.18E-07	8.40E-08	3.16E-06	1.67E-06	7.08E-07	8.32E-07	3.27E-07	1.67E-06	7.08E-07
5771	488880.6	3858599	4.93E-03	4.81E-03	4.75E-03	1.71E-06	5.16E-06	2.98E-06	2.91E-06	2.64E-06	1.20E-06	1.19E-06	5.70E-08	1.38E-06	3.04E-07	3.95E-07	6.27E-07	1.11E-07	7.84E-08	2.95E-06	1.56E-06	6.60E-07	7.77E-07	3.05E-07	1.56E-06	6.60E-07
5772	489008.06	3858715	5.38E-03	5.25E-03	5.18E-03	1.86E-06	5.63E-06	3.26E-06	3.18E-06	2.88E-06	1.31E-06	1.30E-06	6.22E-08	1.50E-06	3.32E-07	4.31E-07	6.85E-07	1.21E-07	8.56E-08	3.22E-06	1.70E-06	7.21E-07	8.48E-07	3.33E-07	1.70E-06	7.21E-07
5773	489071.48	3858773	5.73E-03	5.59E-03	5.52E-03	1.98E-06	5.99E-06	3.47E-06	3.38E-06	3.07E-06	1.40E-06	1.38E-06	6.62E-08	1.60E-06	3.53E-07	4.59E-07	7.29E-07	1.28E-07	9.11E-08	3.43E-06	1.81E-06	7.67E-07	9.03E-07	3.55E-07	1.81E-06	7.67E-07
5774	489244.59	3858920	6.69E-03	6.53E-03	6.45E-03	2.32E-06	7.00E-06	4.05E-06	3.95E-06	3.58E-06	1.64E-06	1.61E-06	7.74E-08	1.87E-06	4.12E-07	5.37E-07	8.51E-07	1.50E-07	1.06E-07	4.00E-06	2.11E-06	8.97E-07	1.05E-06	4.14E-07	2.11E-06	8.97E-07
5775	489239.69	3858952	7.83E-03	7.64E-03	7.54E-03	2.71E-06	8.18E-06	4.74E-06	4.62E-06	4.19E-06	1.91E-06	1.89E-06	9.05E-08	2.19E-06	4.82E-07	6.28E-07	9.96E-07	1.75E-07	1.24E-07	4.68E-06	2.47E-06	1.05E-06	1.23E-06	4.85E-07	2.47E-06	1.05E-06
5776	489121.67	3858854	6.99E-03	6.83E-03	6.74E-03	2.42E-06	7.31E-06	4.23E-06	4.13E-06	3.74E-06	1.71E-06	1.69E-06	8.09E-08	1.95E-06	4.31E-07	5.61E-07	8.90E-07	1.57E-07	1.11E-07	4.18E-06	2.21E-06	9.37E-07	1.10E-06	4.33E-07	2.21E-06	9.37E-07
5777	489059.59	3858797	6.47E-03	6.32E-03	6.23E-03	2.24E-06	6.77E-06	3.92E-06	3.82E-06	3.46E-06	1.58E-06	1.56E-06	7.48E-08	1.81E-06	3.99E-07	5.19E-07	8.23E-07	1.45E-07	1.03E-07	3.87E-06	2.04E-06	8.67E-07	1.02E-06	4.01E-07	2.04E-06	8.67E-07
5778	488997.52	3858740	6.01E-03	5.87E-03	5.79E-03	2.08E-06	6.28E-06	3.64E-06	3.55E-06	3.22E-06	1.47E-06	1.45E-06	6.95E-08	1.68E-06	3.70E-07	4.82E-07	7.65E-07	1.35E-07	9.56E-08	3.60E-06	1.90E-06	8.05E-07	9.47E-07	3.72E-07	1.90E-06	8.05E-07
5779	488935.44	3858683	5.66E-03	5.52E-03	5.45E-03	1.96E-06	5.91E-06	3.42E-06	3.34E-06	3.03E-06	1.38E-06	1.36E-06	6.54E-08	1.58E-06	3.48E-07	4.53E-07	7.19E-07	1.27E-07	8.99E-08	3.38E-06	1.78E-06	7.57E-07	8.91E-07	3.50E-07	1.78E-06	7.57E-07
5780	488869.17	3858848	2.11E-02	2.06E-02	2.03E-02	7.31E-06	2.21E-05	1.28E-05	1.25E-05	1.13E-05	5.16E-06	5.09E-06	2.44E-07	5.90E-06	1.30E-06	1.69E-06	2.69E-06	4.73E-07	3.36E-07	1.26E-05	6.67E-06	2.83E-06	3.33E-06	1.31E-06	6.67E-06	2.83E-06
5781	488932.48	3858893	2.17E-02	2.12E-02	2.09E-02	7.51E-06	2.27E-05	1.31E-05	1.28E-05	1.16E-05	5.30E-06	5.23E-06	2.51E-07	6.06E-06	1.34E-06	1.74E-06	2.76E-06	4.86E-07	3.45E-07	1.30E-05	6.85E-06	2.90E-06	3.42E-06	1.34E-06	6.85E-06	2.90E-06
5782	489063.27	3858977	2.14E-02	2.09E-02	2.06E-02	7.40E-06	2.23E-05	1.29E-05	1.26E-05	1.14E-05	5.22E-06	5.15E-06	2.47E-07	5.97E-06	1.32E-06	1.71E-06	2.72E-06	4.79E-07	3.40E-07	1.28E-05	6.75E-06	2.86E-06	3.37E-06	1.32E-06	6.75E-06	2.86E-06
5783	489248.2	3859117	3.02E-02	2.95E-02	2.91E-02	1.05E-05	3.16E-05	1.83E-05	1.78E-05	1.62E-05	7.38E-06	7.28E-06	3.49E-07	8.44E-06	1.86E-06	2.42E-06	3.84E-06	6.77E-07	4.80E-07	1.81E-05	9.54E-06	4.05E-06	4.76E-06	1.87E-06	9.54E-06	4.05E-06
5784	489296.25	3859049	1.13E-02	1.10E-02	1.09E-02	3.91E-06	1.18E-05	6.83E-06	6.66E-06	6.04E-06	2.76E-06	2.72E-06	1.30E-07	3.15E-06	6.95E-07	9.04E-07	1.43E-06	2.53E-07	1.79E-07	6.75E-06	3.56E-06	1.51E-06	1.78E-06	6.98E-07	3.56E-06	1.51E-06
5785	489353.38	3858994	6.95E-03	6.78E-03	6.69E-03	2.40E-06	7.26E-06	4.20E-06	4.10E-06	3.72E-06	1.70E-06	1.67E-06	8.03E-08	1.94E-06	4.28E-07	5.57E-07	8.83E-07	1.56E-07	1.10E-07	4.15E-06	2.19E-06	9.30E-07	1.09E-06	4.30E-07	2.19E-06	9.30E-07
5786	489537.24	3859120	7.70E-03	7.52E-03	7.42E-03	2.67E-06	8.05E-06	4.66E-06	4.55E-06	4.12E-06	1.88E-06	1.86E-06	8.90E-08	2.15E-06	4.75E-07	6.17E-07	9.79E-07	1.73E-07	1.22E-07	4.61E-06	2.43E-06	1.03E-06	1.21E-06	4.77E-07	2.43E-06	1.03E-06
5787	489726.98	3859246	8.61E-03	8.40E-03	8.29E-03	2.98E-06	8.99E-06	5.21E-06	5.08E-06	4.61E-06	2.10E-06	2.07E-06	9.95E-08	2.40E-06	5.30E-07	6.90E-07	1.09E-06	1.93E-07	1.37E-07	5.15E-06	2.72E-06	1.15E-06	1.36E-06	5.33E-07	2.72E-06	1.15E-06
5788	489911.46	3859366	9.57E-03	9.34E-03	9.21E-03	3.31E-06	1.00E-05	5.79E-06	5.65E-06	5.12E-06	2.34E-06	2.31E-06	1.11E-07	2.67E-06	5.90E-07	7.67E-07	1.22E-06	2.14E-07	1.52E-07	5.72E-06	3.02E-06	1.28E-06	1.51E-06	5.92E-07	3.02E-06	1.28E-06
5789	490035.3	3859430	9.50E-03	9.27E-03	9.14E-03	3.29E-06	9.93E-06	5.75E-06	5.61E-06	5.08E-06	2.32E-06	2.29E-06	1.10E-07	2.65E-06	5.85E-07	7.61E-07	1.21E-06	2.13E-07	1.51E-07	5.68E-06	3.00E-06	1.27E-06	1.50E-06	5.88E-07	3.00E-06	1.27E-06
5790	490101.11	3859459	9.19E-03	8.96E-03	8.85E-03	3.18E-06	9.60E-06	5.56E-06	5.42E-06	4.92E-06	2.24E-06	2.21E-06	1.06E-07	2.57E-06	5.66E-07	7.36E-07	1.17E-06	2.06E-07	1.46E-07	5.49E-06	2.90E-06	1.23E-06	1.45E-06	5.69E-07	2.90E-06	1.23E-06
5791	490312.68	3859560	9.92E-03	9.68E-03	9.55E-03	3.43E-06	1.04E-05	6.00E-06	5.86E-06	5.31E-06	2.42E-06	2.39E-06	1.15E-07	2.77E-06	6.11E-07	7.95E-07	1.26E-06	2.22E-07	1.58E-07	5.93E-06	3.13E-06	1.33E-06	1.56E-06	6.14E-07	3.13E-06	1.33E-06
5792	490401.63	3859603	1.06E-02	1.03E-02	1.02E-02	3.66E-06	1.11E-05	6.40E-06	6.24E-06	5.66E-06	2.58E-06	2.55E-06	1.22E-07	2.95E-06	6.52E-07	8.48E-07	1.34E-06	2.37E-07	1.68E-07	6.32E-06	3.34E-06	1.42E-06	1.67E-06	6.55E-07	3.34E-06	1.42E-06
5793	490490.57	3859646	1.13E-02	1.10E-02	1.08E-02	3.90E-06	1.18E-05	6.81E-06	6.65E-06	6.03E-06	2.75E-06	2.71E-06	1.30E-07	3.14E-06	6.94E-07	9.03E-07	1.43E-06	2.52E-07	1.79E-07	6.73E-06	3.55E-06	1.51E-06	1.77E-06	6.97E-07	3.55E-06	1.51E-06
5794	490579.51	3859689	1.19E-02	1.16E-02	1.15E-02	4.13E-06	1.25E-05	7.21E-06	7.04E-06	6.38E-06	2.91E-06	2.87E-06	1.38E-07	3.33E-06	7.34E-07	9.55E-07	1.52E-06	2.67E-07	1.89E-07	7.13E-06	3.76E-06	1.60E-06	1.88E-06	7.38E-07	3.76E-06	1.60E-06
5795	490668.45	3859732	1.23E-02	1.20E-02	1.19E-02	4.26E-06	1.29E-05	7.45E-06	7.27E-06	6.59E-06	3.01E-06	2.97E-06	1.42E-07	3.44E-06	7.58E-07	9.87E-07	1.57E-06	2.76E-07	1.96E-07	7.36E-06	3.88E-06	1.65E-06	1.94E-06	7.62E-07	3.88E-06	1.65E-06
5796	490757.4	3859774	1.34E-02	1.31E-02	1.29E-02	4.65E-06	1.40E-05	8.12E-06	7.93E-06	7.18E-06	3.28E-06	3.23E-06	1.55E-07	3.75E-06	8.27E-07	1.08E-06	1.71E-06	3.01E-07	2.13E-07	8.03E-06	4.24E-06	1.80E-06	2.11E-06	8.31E-07	4.24E-06	1.80E-06
5797	491003.53	3859862	1.17E-02	1.14E-02	1.13E-02	4.05E-06	1.22E-05	7.07E-06	6.90E-06	6.26E-06	2.85E-06	2.82E-06	1.35E-07	3.26E-06	7.20E-07	9.37E-07	1.49E-06	2.62E-07	1.86E-07	6.99E-06	3.69E-06	1.57E-06	1.84E-06	7.23E-07	3.69E-06	1.57E-06
5798	491081.41	3859879	1.02E-02	9.99E-03	9.86E-03	3.54E-06	1.07E-05	6.19E-06	6.04E-06	5.48E-06	2.50E-06	2.47E-06	1.18E-07	2.86E-06	6.31E-07	8.21E-07	1.30E-06	2.29E-07	1.63E-07	6.12E-06	3.23E-06	1.37E-06	1.61E-06	6.34E-07	3.23E-06	1.37E-06
5799	491229.76	3859918	8.15E-03	7.95E-03	7.85E-03	2.82E-06	8.52E-06	4.93E-06	4.81E-06	4.36E-06	1.99E-06	1.96E-06	9.42E-08	2.28E-06	5.02E-07	6.53E-07	1.04E-06	1.83E-07	1.30E-07	4.88E-06	2.57E-06	1.09E-06	1.28E-06	5.05E-07	2.57E-06	1.09E-06
5800	491300.22	3859939	7.42E-03	7.24E-03	7.14E-03	2.57E-06	7.75E-06	4.49E-06	4.38E-06	3.97E-06	1.81E-06	1.79E-06	8.57E-08	2.07E-06	4.57E-07	5.95E-07	9.43E-07	1.66E-07	1.18E-07	4.44E-06	2.34E-06	9.93E-07	1.17E-06	4.59E-07	2.34E-06	9.93E-07
5801	491350.48	3860012	8.83E-03	8.61E-03	8.50E-03	3.06E-06	9.23E-06	5.34E-06	5.21E-06	4.72E-06	2.16E-06	2.13E-06	1.02E-07	2.46E-06	5.44E-07	7.08E-07	1.12E-06	1.98E-07	1.40E-07	5.28E-06	2.79E-06	1.18E-06	1.39E-06	5.46E-07	2.79E-06	1.18E-06
5802	491406.82	3860093	1.03E-02	1.01E-02	9.92E-03	3.57E-06	1.08E-05	6.24E-06	6.09E-06	5.52E-06	2.52E-06	2.48E-06	1.19E-07	2.88E-06	6.35E-07	8.26E-07	1.31E-06	2.31E-07	1.64E-07	6.16E-06	3.25E-06	1.38E-06	1.62E-06	6.38E-07	3.25E-06	1.38E-06
5803	491483.36	3860122	8.82E-03	8.60E-03	8.49E-03	3.05E-06	9.22E-06	5.34E-06	5.21E-06	4.72E-06	2.15E-06	2.12E-06	1.02E-07	2.46E-06	5.43E-07	7.07E-07	1.12E-06	1.98E-07	1.40E-07	5.27E-06	2.78E-06	1.18E-06	1.39E-06	5.46E-07	2.78E-06	1.18E-06
5804	491559.91	3860151	7.71E-03	7.53E-03	7.43E-03	2.67E-06	8.06E-06	4.67E-06	4.55E-06	4.13E-06	1.88E-06	1.86E-06	8.92E-08	2.15E-06	4.75E-07	6.18E-07	9.81E-07	1.73E-07	1.23E-07	4.61E-06	2.43E-06	1.03E-06	1.22E-06	4.77E-07	2.43E-06	1.03E-06
5805	491711.81	3860238	5.62E-03	5.49E-03	5.42E-03	1.95E-06	5.88E-06	3.40E-06	3.32E-06	3.01E-06	1.37E-06	1.36E-06	6.50E-08	1.57E-06	3.47E-07	4.51E-07	7.15E-07	1.26E-07	8.94E-08	3.36E-06	1.78E-06	7.53E-07	8.86E-07	3.48E-07	1.78E-06	7.53E-07
5806	491755.2	3860319	8.11E-03	7.91E-03	7.81E-03	2.81E-06	8.48E-06	4.91E-06	4.79E-06	4.34E-06	1.98E-06	1.95E-06	9.38E-08	2.26E-06	5.00E-07	6.50E-07	1.03E-06	1.82E-07	1.29E-07	4.85E-06	2.56E-06	1.09E-06	1.28E-06	5.02E-07	2.56E-06	1.09E-06
5807	491704.71	3860367	1.31E-02	1.28E-02	1.26E-02	4.54E-06	1.37E-05	7.94E-06	7.75E-06	7.03E-06	3.21E-06	3.16E-06	1.52E-07	3.67E-06	8.09E-07	1.05E-06	1.67E-06	2.94E-07	2.09E-07	7.85E-06	4.14E-06	1.76E-06	2.07E-06	8.12E-07	4.14E-06	1.76E-06
5808	491623.42	3860462	1.33E-02	1.30E-02	1.28E-02	4.60E-06	1.39E-05	8.03E-06	7.84E-06	7.11E-06	3.24E-06	3.20E-06	1.53E-07	3.71E-06	8.18E-07	1.06E-06	1.69E-06	2.98E-07	2.11E-07	7.94E-06	4.19E-06	1.78E-06	2.09E-06	8.22E-07	4.19E-06	1.78E-06
5809	491534.02	3860440	5.70E-03	5.56E-03	5.49E-03	1.97E-06	5.96E-06	3.45E-06	3.37E-06	3.05E-06	1.39E-06	1.37E-06	6.59E-08	1.59E-06	3.51E-07	4.57E-07	7.25E-07	1.28E-07	9.06E-08	3.41E-06	1.80E-06	7.63E-07	8.98E-07	3.53E-07	1.80E-06	7.63E-07
5810	491313.95	3860268	7.21E-03	7.03E-03	6.94E-03	2.50E-06	7.53E-06	4.36E-06	4.26E-06	3.86E-06	1.76E-06	1.74E-06	8.33E-08	2.01E-06	4.44E-07	5.78E-07	9.17E-07	1.62E-07	1.15E-07	4.31E-06	2.27E-06	9.65E-07	1.14E-06	4.46E-07	2.27E-06	9.65E-07
5811	491187.12	3860144	1.05E-02	1.03E-02	1.02E-02	3.65E-06	1.10E-05	6.38E-06	6.23E-06	5.65E-06	2.58E-06	2.54E-06	1.22E-07	2.95E-06	6.50E-07	8.46E-07	1.34E-06	2.36E-07	1.68E-07	6.31E-06	3.33E-06	1.41E-06	1.66E-06	6.53E-07	3.33E-06	1.41E-06
5812	491070.43	3860076	9.12E-03	8.90E-03	8.78E-03	3.16E-06	9.53E-06	5.52E-06	5.38E-06	4.88E-06	2.23E-06	2.20E-06	1.05E-07	2.55E-06	5.62E-07	7.31E-07	1.16E-06	2.04E-07	1.45E-07	5.45E-06	2.88E-06	1.22E-06	1.44E-06	5.64E-07	2.88E-06	1.22E-06
5813	490995.09	3860039	8.42E-03	8.22E-03	8.11E-03	2.92E-06	8.81E-06	5.10E-06	4.97E-06	4.51E-06	2.06E-06	2.03E-06	9.74E-08	2.35E-06	5.19E-07	6.75E-07	1.07E-06	1.89E-07	1.34E-07	5.04E-06	2.66E-06	1.13E-06	1.33E-06	5.21E-07	2.66E-06	1.13E-06
5814	490919.75	3860003	8.45E-03	8.24E-03	8.13E-03	2.92E-06	8.83E-06	5.11E-06	4.99E-06	4.52E-06	2.06E-06	2.04E-06	9.76E-08	2.36E-06	5.20E-07	6.77E-07	1.07E-06	1.89E-07	1.34E-07	5.05E-06	2.67E-06	1.13E-06	1.33E-06	5.23E-07	2.67E-06	1.13E-06
5815	490756.81	3859895	1.93E-02	1.89E-02	1.86E-02	6.69E-06	2.02E-05	1.17E-05	1.14E-05	1.04E-05	4.72E-06	4.66E-06	2.24E-07	5.40E-06	1.19E-06	1.55E-06	2.46E-06	4.33E-07	3.07E-07	1.16E-05	6.10E-06	2.59E-06	3.05E-06	1.20E-06	6.10E-06	2.59E-06
5816	490668.07	3859861	1.83E-02	1.78E-02	1.76E-02	6.32E-06	1.91E-05	1.11E-05	1.08E-05	9.78E-06	4.46E-06	4.40E-06	2.11E-07	5.10E-06	1.13E-06	1.46E-06	2.32E-06	4.09E-07	2.90E-07	1.09E-05	5.77E-06	2.45E-06	2.88E-06	1.13E-06	5.77E-06	2.45E-06
5817	490579.34	3859827	1.79E-02	1.74E-02	1.72E-02	6.18E-06	1.87E-05	1.08E-05	1.05E-05	9.56E-06	4.36E-06	4.30E-06	2.06E-07	4.99E-06	1.10E-06	1.43E-06	2.27E-06	4.00E-07	2.84E-07	1.07E-05	5.64E-06	2.39E-06	2.81E-06	1.11E-06	5.64E-06	2.39E-06
5818	490490.6	3859794	1.67E-02	1.63E-02	1.60E-02	5.77E-06	1.74E-05	1.01E-05	9.84E-06	8.92E-06	4.07E-06	4.02E-06	1.93E-07	4.65E-06	1.03E-06	1.34E-06	2.12E-06	3.74E-07	2.65E-07	9.97E-06	5.26E-06	2.23E-06	2.63E-06	1.03E-06	5.26E-06	2.23E-06
5819	490401.86	3859760	1.58E-02	1.54E-02	1.52E-02	5.47E-06	1.65E-05	9.57E-06	9.34E-06	8.46E-06	3.86E-06	3.81E-06	1.83E-07	4.41E-06	9.74E-07	1.27E-06	2.01E-06	3.54E-07	2.51E-07	9.46E-06	4.99E-06	2.12E-06	2.49E-06	9.79E-07	4.99E-06	2.12E-06
5820	490313.12	3859726	1.55E-02	1.51E-02	1.49E-02	5.36E-06	1.62E-05	9.37E-06	9.14E-06	8.29E-06	3.78E-06	3.73E-06	1.79E-07	4.32E-06	9.54E-07	1.24E-06	1.97E-06	3.47E-07	2.46E-07	9.26E-06	4.89E-06	2.07E-06	2.44E-06	9.58E-07	4.89E-06	2.07E-06
5821	490224.39	3859693	1.52E-02	1.49E-02	1.47E-02	5.27E-06	1.59E-05	9.21E-06	8.99E-06	8.15E-06	3.72E-06	3.67E-06	1.76E-07	4.25E-06	9.38E-07	1.22E-06	1.94E-06	3.41E-07	2.42E-07	9.10E-06	4.80E-06	2.04E-06	2.40E-06	9.42E-07	4.80E-06	2.04E-06
5822	490135.65	3859659	1.50E-02	1.46E-02	1.44E-02	5.19E-06	1.57E-05	9.07E-06	8.85E-06	8.02E-06	3.66E-06	3.61E-06	1.73E-07	4.18E-06	9.23E-07	1.20E-06	1.91E-06	3.36E-07	2.38E-07	8.96E-06	4.73E-06	2.01E-06	2.36E-06	9.27E-07	4.73E-06	2.01E-06
5823	489918.18	3859559	1.55E-02	1.51E-02	1.49E-02	5.36E-06	1.62E-05	9.37E-06	9.14E-06	8.29E-06	3.78E-06	3.73E-06	1.79E-07	4.32E-06	9.54E-07	1.24E-06	1.97E-06	3.47E-07	2.46E-07	9.26E-06	4.89E-06	2.07E-06	2.44E-06	9.58E-07	4.89E-06	2.07E-06
5824	489743.61	3859486	1.02E-02	9.98E-03	9.85E-03	3.54E-06	1.07E-05	6.19E-06	6.04E-06	5.48E-06	2.50E-06	2.47E-06	1.18E-07	2.86E-06	6.30E-07	8.20E-07	1.30E-06	2.29E-07	1.63E-07	6.12E-06	3.23E-06	1.37E-06	1.61E-06	6.33E-07	3.23E-06	1.37E-06
5825	489660.32	3859440	1.02E-02	9.94E-03	9.81E-03	3.53E-06	1.07E-05	6.17E-06	6.02E-06	5.45E-06	2.49E-06	2.46E-06	1.18E-07	2.85E-06	6.28E-07	8.17E-07	1.30E-06	2.28E-07	1.62E-07	6.09E-06	3.22E-06	1.36E-06	1.61E-06	6.31E-07	3.22E-06	1.36E-06
5826	489577.04	3859395	1.02E-02	9.91E-03	9.78E-03	3.52E-06	1.06E-05	6.15E-06	6.00E-06	5.44E-06	2.48E-06	2.45E-06	1.17E-07	2.84E-06	6.26E-07	8.14E-07	1.29E-06	2.28E-07	1.61E-07	6.07E-06	3.21E-06	1.36E-06	1.60E-06	6.29E-07	3.21E-06	1.36E-06
5827	489493.75	3859349	1.01E-02	9.82E-03	9.69E-03	3.48E-06	1.05E-05	6.09E-06	5.94E-06	5.38E-06	2.46E-06	2.42E-06	1.16E-07	2.81E-06	6.20E-07	8.06E-07	1.28E-06	2.25E-07	1.60E-07	6.02E-06	3.17E-06	1.35E-06	1.58E-06	6.23E-07	3.17E-06	1.35E-06
5828	489321.28	3859240	1.22E-02	1.19E-02	1.17E-02	4.21E-06	1.27E-05	7.35E-06	7.18E-06	6.50E-06	2.97E-06	2.93E-06	1.40E-07	3.39E-06	7.49E-07	9.74E-07	1.55E-06	2.72E-07	1.93E-07	7.27E-06	3.84E-06	1.63E-06	1.91E-06	7.52E-07	3.84E-06	1.63E-06
5829	489235.41	3859194	1.17E-02	1.15E-02	1.13E-02	4.06E-06	1.23E-05	7.10E-06	6.93E-06	6.28E-06	2.87E-06	2.83E-06	1.36E-07	3.28E-06	7.23E-07	9.41E-07	1.49E-06	2.63E-07	1.87E-07	7.02E-06	3.70E-06	1.57E-06	1.85E-06	7.26E-07	3.70E-06	1.57E-06
5830	489149.54	3859148	1.09E-02	1.06E-02	1.05E-02	3.78E-06	1.14E-05	6.60E-06	6.44E-06	5.84E-06	2.66E-06	2.63E-06	1.26E-07	3.05E-06	6.72E-07	8.74E-07	1.39E-06	2.44E-07	1.73E-07	6.52E-06	3.44E-06	1.46E-06	1.72E-06	6.75E-07	3.44E-06	1.46E-06
5831	489063.68	3859102	1.03E-02	1.01E-02	9.94E-03	3.57E-06	1.08E-05	6.24E-06	6.09E-06	5.52E-06	2.52E-06	2.49E-06	1.19E-07	2.88E-06	6.36E-07	8.27E-07	1.31E-06	2.31E-07	1.64E-07	6.17E-06	3.26E-06	1.38E-06	1.63E-06	6.39E-07	3.26E-06	1.38E-06
5832	488977.81	3859056	9.66E-03	9.43E-03	9.30E-03	3.34E-06	1.01E-05	5.85E-06	5.70E-06	5.17E-06	2.36E-06	2.33E-06	1.12E-07	2.70E-06	5.95E-07	7.74E-07	1.23E-06	2.17E-07	1.54E-07	5.78E-06	3.05E-06	1.29E-06	1.52E-06	5.98E-07	3.05E-06	1.29E-06
5833	488891.94	3859010	8.92E-03	8.71E-03	8.59E-03	3.09E-06	9.33E-06	5.40E-06	5.27E-06	4.78E-06	2.18E-06	2.15E-06	1.03E-07	2.49E-06	5.50E-07	7.15E-07	1.13E-06	2.00E-07	1.42E-07	5.34E-06	2.82E-06	1.20E-06	1.41E-06	5.52E-07	2.82E-06	1.20E-06
5834	488808	3859061	3.51E-03	3.42E-03	3.38E-03	1.21E-06	3.67E-06	2.12E-06	2.07E-06	1.88E-06	8.57E-07	8.46E-07	4.06E-08	9.80E-07	2.16E-07	2.81E-07	4.46E-07	7.87E-08	5.58E-08	2.10E-06	1.11E-06	4.70E-07	5.53E-07	2.17E-07	1.11E-06	4.70E-07
5835	488809.93	3859158	2.24E-03	2.19E-03	2.16E-03	7.75E-07	2.34E-06	1.36E-06	1.32E-06	1.20E-06	5.47E-07	5.40E-07	2.59E-08	6.25E-07	1.38E-07	1.80E-07	2.85E-07	5.02E-08	3.56E-08	1.34E-06	7.07E-07	3.00E-07	3.53E-07	1.39E-07	7.07E-07	3.00E-07
5836	488811.85	3859255	1.66E-03	1.62E-03	1.60E-03	5.75E-07	1.74E-06	1.01E-06	9.81E-07	8.89E-07	4.06E-07	4.00E-07	1.92E-08	4.64E-07	1.02E-07	1.33E-07	2.11E-07	3.72E-08	2.64E-08	9.94E-07	5.24E-07	2.23E-07	2.62E-07	1.03E-07	5.24E-07	2.23E-07
5837	488813.78	3859352	1.33E-03	1.30E-03	1.28E-03	4.61E-07	1.39E-06	8.06E-07	7.86E-07	7.13E-07	3.25E-07	3.21E-07	1.54E-08	3.72E-07	8.20E-08	1.07E-07	1.69E-07	2.98E-08	2.12E-08	7.96E-07	4.20E-07	1.78E-07	2.10E-07	8.24E-08	4.20E-07	1.78E-07
5838	488815.71	3859449	1.12E-03	1.09E-03	1.08E-03	3.87E-07	1.17E-06	6.77E-07	6.61E-07	5.99E-07	2.73E-07	2.70E-07	1.29E-08	3.12E-07	6.89E-08	8.97E-08	1.42E-07	2.51E-08	1.78E-08	6.69E-07	3.53E-07	1.50E-07	1.76E-07	6.92E-08	3.53E-07	1.50E-07
5839	488910.04	3859547	1.04E-03	1.02E-03	1.01E-03	3.61E-07	1.09E-06	6.32E-07	6.16E-07	5.59E-07	2.55E-07	2.52E-07	1.21E-08	2.91E-07	6.43E-08	8.37E-08	1.33E-07	2.34E-08	1.66E-08	6.24E-07	3.29E-07	1.40E-07	1.64E-07	6.46E-08	3.29E-07	1.40E-07

5840	489002.45	3859548	1.14E-03	1.11E-03	1.09E-03	3.94E-07	1.19E-06	6.88E-07	6.71E-07	6.08E-07	2.78E-07	2.74E-07	1.31E-08	3.17E-07	7.00E-08	9.11E-08	1.45E-07	2.55E-08	1.81E-08	6.80E-07	3.59E-07	1.52E-07	1.79E-07	7.04E-08	3.59E-07	1.52E-07
5841	489094.85	3859549	1.25E-03	1.22E-03	1.20E-03	4.33E-07	1.31E-06	7.57E-07	7.39E-07	6.70E-07	3.06E-07	3.02E-07	1.45E-08	3.49E-07	7.71E-08	1.00E-07	1.59E-07	2.80E-08	1.99E-08	7.48E-07	3.95E-07	1.68E-07	1.97E-07	7.74E-08	3.95E-07	1.68E-07
5842	489230.05	3859602	1.31E-03	1.28E-03	1.26E-03	4.53E-07	1.37E-06	7.91E-07	7.72E-07	7.00E-07	3.19E-07	3.15E-07	1.51E-08	3.65E-07	8.06E-08	1.05E-07	1.66E-07	2.93E-08	2.08E-08	7.82E-07	4.13E-07	1.75E-07	2.06E-07	8.09E-08	4.13E-07	1.75E-07
5843	489227.52	3859681	1.13E-03	1.10E-03	1.08E-03	3.90E-07	1.18E-06	6.82E-07	6.65E-07	6.03E-07	2.75E-07	2.71E-07	1.30E-08	3.15E-07	6.94E-08	9.03E-08	1.43E-07	2.52E-08	1.79E-08	6.74E-07	3.56E-07	1.51E-07	1.77E-07	6.97E-08	3.56E-07	1.51E-07
5844	489133.47	3859760	9.26E-04	9.03E-04	8.91E-04	3.20E-07	9.67E-07	5.60E-07	5.47E-07	4.95E-07	2.26E-07	2.23E-07	1.07E-08	2.58E-07	5.70E-08	7.42E-08	1.18E-07	2.07E-08	1.47E-08	5.54E-07	2.92E-07	1.24E-07	1.46E-07	5.73E-08	2.92E-07	1.24E-07
5845	489041.96	3859761	8.66E-04	8.45E-04	8.34E-04	3.00E-07	9.05E-07	5.24E-07	5.11E-07	4.64E-07	2.12E-07	2.09E-07	1.00E-08	2.42E-07	5.34E-08	6.94E-08	1.10E-07	1.94E-08	1.38E-08	5.18E-07	2.73E-07	1.16E-07	1.36E-07	5.36E-08	2.73E-07	1.16E-07
5846	488950.45	3859761	8.14E-04	7.94E-04	7.84E-04	2.82E-07	8.51E-07	4.93E-07	4.81E-07	4.36E-07	1.99E-07	1.96E-07	9.41E-09	2.27E-07	5.02E-08	6.53E-08	1.04E-07	1.82E-08	1.29E-08	4.87E-07	2.57E-07	1.09E-07	1.28E-07	5.04E-08	2.57E-07	1.09E-07
5847	488858.94	3859761	7.69E-04	7.51E-04	7.41E-04	2.66E-07	8.04E-07	4.65E-07	4.54E-07	4.12E-07	1.88E-07	1.85E-07	8.89E-09	2.15E-07	4.74E-08	6.17E-08	9.78E-08	1.72E-08	1.22E-08	4.60E-07	2.43E-07	1.03E-07	1.21E-07	4.76E-08	2.43E-07	1.03E-07
5848	488767.43	3859762	7.27E-04	7.10E-04	7.00E-04	2.52E-07	7.60E-07	4.40E-07	4.29E-07	3.89E-07	1.78E-07	1.75E-07	8.41E-09	2.03E-07	4.48E-08	5.83E-08	9.25E-08	1.63E-08	1.16E-08	4.35E-07	2.30E-07	9.74E-08	1.15E-07	4.50E-08	2.30E-07	9.74E-08
5849	488675.92	3859762	6.92E-04	6.75E-04	6.66E-04	2.39E-07	7.23E-07	4.18E-07	4.08E-07	3.70E-07	1.69E-07	1.67E-07	7.99E-09	1.93E-07	4.26E-08	5.54E-08	8.80E-08	1.55E-08	1.10E-08	4.14E-07	2.18E-07	9.26E-08	1.09E-07	4.28E-08	2.18E-07	9.26E-08
5850	488584.41	3859763	6.58E-04	6.42E-04	6.34E-04	2.28E-07	6.88E-07	3.98E-07	3.89E-07	3.52E-07	1.61E-07	1.59E-07	7.61E-09	1.84E-07	4.06E-08	5.28E-08	8.37E-08	1.48E-08	1.05E-08	3.94E-07	2.08E-07	8.82E-08	1.04E-07	4.07E-08	2.08E-07	8.82E-08
5851	488492.9	3859763	6.30E-04	6.15E-04	6.06E-04	2.18E-07	6.58E-07	3.81E-07	3.72E-07	3.37E-07	1.54E-07	1.52E-07	7.28E-09	1.76E-07	3.88E-08	5.05E-08	8.01E-08	1.41E-08	1.00E-08	3.77E-07	1.99E-07	8.43E-08	9.92E-08	3.90E-08	1.99E-07	8.43E-08
5852	488402.76	3859831	5.78E-04	5.64E-04	5.56E-04	2.00E-07	6.04E-07	3.50E-07	3.41E-07	3.09E-07	1.41E-07	1.39E-07	6.68E-09	1.61E-07	3.56E-08	4.63E-08	7.35E-08	1.30E-08	9.19E-09	3.46E-07	1.82E-07	7.74E-08	9.10E-08	3.58E-08	1.82E-07	7.74E-08
5853	488404.14	3859899	5.54E-04	5.41E-04	5.34E-04	1.92E-07	5.79E-07	3.35E-07	3.27E-07	2.97E-07	1.35E-07	1.34E-07	6.41E-09	1.55E-07	3.42E-08	4.44E-08	7.05E-08	1.24E-08	8.81E-09	3.31E-07	1.75E-07	7.42E-08	8.73E-08	3.43E-08	1.75E-07	7.42E-08
5854	488505.18	3859965	5.55E-04	5.41E-04	5.34E-04	1.92E-07	5.80E-07	3.36E-07	3.28E-07	2.97E-07	1.35E-07	1.34E-07	6.41E-09	1.55E-07	3.42E-08	4.45E-08	7.05E-08	1.24E-08	8.82E-09	3.32E-07	1.75E-07	7.43E-08	8.74E-08	3.43E-08	1.75E-07	7.43E-08
5855	488604.84	3859964	5.75E-04	5.62E-04	5.54E-04	1.99E-07	6.01E-07	3.48E-07	3.40E-07	3.08E-07	1.41E-07	1.39E-07	6.65E-09	1.61E-07	3.55E-08	4.61E-08	7.32E-08	1.29E-08	9.15E-09	3.44E-07	1.82E-07	7.71E-08	9.07E-08	3.56E-08	1.82E-07	7.71E-08
5856	488704.51	3859963	5.99E-04	5.85E-04	5.77E-04	2.08E-07	6.27E-07	3.63E-07	3.54E-07	3.21E-07	1.46E-07	1.44E-07	6.93E-09	1.67E-07	3.69E-08	4.81E-08	7.62E-08	1.34E-08	9.53E-09	3.59E-07	1.89E-07	8.03E-08	9.44E-08	3.71E-08	1.89E-07	8.03E-08
5857	488804.18	3859961	6.27E-04	6.12E-04	6.04E-04	2.17E-07	6.55E-07	3.79E-07	3.70E-07	3.36E-07	1.53E-07	1.51E-07	7.25E-09	1.75E-07	3.86E-08	5.03E-08	7.97E-08	1.40E-08	9.96E-09	3.75E-07	1.98E-07	8.39E-08	9.88E-08	3.88E-08	1.98E-07	8.39E-08
5858	488903.85	3859960	6.58E-04	6.42E-04	6.33E-04	2.28E-07	6.87E-07	3.98E-07	3.88E-07	3.52E-07	1.61E-07	1.58E-07	7.60E-09	1.84E-07	4.05E-08	5.27E-08	8.36E-08	1.47E-08	1.05E-08	3.93E-07	2.08E-07	8.81E-08	1.04E-07	4.07E-08	2.08E-07	8.81E-08
5859	489003.52	3859959	6.90E-04	6.74E-04	6.65E-04	2.39E-07	7.22E-07	4.18E-07	4.08E-07	3.69E-07	1.69E-07	1.66E-07	7.98E-09	1.93E-07	4.25E-08	5.53E-08	8.78E-08	1.55E-08	1.10E-08	4.13E-07	2.18E-07	9.24E-08	1.09E-07	4.27E-08	2.18E-07	9.24E-08
5860	489103.18	3859958	7.28E-04	7.10E-04	7.01E-04	2.52E-07	7.61E-07	4.40E-07	4.30E-07	3.89E-07	1.78E-07	1.75E-07	8.41E-09	2.03E-07	4.48E-08	5.83E-08	9.25E-08	1.63E-08	1.16E-08	4.35E-07	2.30E-07	9.74E-08	1.15E-07	4.50E-08	2.30E-07	9.74E-08
5861	489201.48	3860047	7.05E-04	6.88E-04	6.79E-04	2.44E-07	7.37E-07	4.27E-07	4.16E-07	3.77E-07	1.72E-07	1.70E-07	8.15E-09	1.97E-07	4.35E-08	5.65E-08	8.97E-08	1.58E-08	1.12E-08	4.22E-07	2.23E-07	9.44E-08	1.11E-07	4.36E-08	2.23E-07	9.44E-08
5862	489200.11	3860137	6.53E-04	6.38E-04	6.29E-04	2.26E-07	6.83E-07	3.95E-07	3.86E-07	3.50E-07	1.60E-07	1.57E-07	7.55E-09	1.82E-07	4.03E-08	5.24E-08	8.31E-08	1.46E-08	1.04E-08	3.91E-07	2.06E-07	8.75E-08	1.03E-07	4.04E-08	2.06E-07	8.75E-08
5863	489198.74	3860227	6.12E-04	5.98E-04	5.90E-04	2.12E-07	6.40E-07	3.71E-07	3.62E-07	3.28E-07	1.50E-07	1.48E-07	7.08E-09	1.71E-07	3.77E-08	4.91E-08	7.79E-08	1.37E-08	9.73E-09	3.66E-07	1.93E-07	8.20E-08	9.65E-08	3.79E-08	1.93E-07	8.20E-08
5864	489197.38	3860317	5.77E-04	5.63E-04	5.56E-04	2.00E-07	6.03E-07	3.49E-07	3.41E-07	3.09E-07	1.41E-07	1.39E-07	6.67E-09	1.61E-07	3.56E-08	4.63E-08	7.34E-08	1.29E-08	9.17E-09	3.45E-07	1.82E-07	7.73E-08	9.09E-08	3.57E-08	1.82E-07	7.73E-08
5865	489196.01	3860407	5.44E-04	5.31E-04	5.24E-04	1.88E-07	5.69E-07	3.29E-07	3.21E-07	2.91E-07	1.33E-07	1.31E-07	6.29E-09	1.52E-07	3.35E-08	4.36E-08	6.92E-08	1.22E-08	8.65E-09	3.26E-07	1.72E-07	7.29E-08	8.57E-08	3.37E-08	1.72E-07	7.29E-08
5866	489194.64	3860497	5.10E-04	4.98E-04	4.91E-04	1.77E-07	5.33E-07	3.09E-07	3.01E-07	2.73E-07	1.25E-07	1.23E-07	5.90E-09	1.42E-07	3.14E-08	4.09E-08	6.49E-08	1.14E-08	8.11E-09	3.05E-07	1.61E-07	6.83E-08	8.04E-08	3.16E-08	1.61E-07	6.83E-08
5867	489193.27	3860587	4.79E-04	4.68E-04	4.61E-04	1.66E-07	5.01E-07	2.90E-07	2.83E-07	2.56E-07	1.17E-07	1.15E-07	5.54E-09	1.34E-07	2.95E-08	3.84E-08	6.09E-08	1.07E-08	7.62E-09	2.87E-07	1.51E-07	6.42E-08	7.55E-08	2.97E-08	1.51E-07	6.42E-08
5868	489092.02	3860678	4.38E-04	4.27E-04	4.21E-04	1.52E-07	4.57E-07	2.65E-07	2.58E-07	2.34E-07	1.07E-07	1.05E-07	5.06E-09	1.22E-07	2.70E-08	3.51E-08	5.57E-08	9.81E-09	6.96E-09	2.62E-07	1.38E-07	5.86E-08	6.90E-08	2.71E-08	1.38E-07	5.86E-08
5869	488992.13	3860680	4.25E-04	4.15E-04	4.09E-04	1.47E-07	4.44E-07	2.57E-07	2.51E-07	2.28E-07	1.04E-07	1.02E-07	4.92E-09	1.19E-07	2.62E-08	3.41E-08	5.41E-08	9.53E-09	6.76E-09	2.54E-07	1.34E-07	5.69E-08	6.70E-08	2.63E-08	1.34E-07	5.69E-08
5870	488892.24	3860681	4.14E-04	4.04E-04	3.99E-04	1.43E-07	4.33E-07	2.51E-07	2.45E-07	2.22E-07	1.01E-07	9.99E-08	4.79E-09	1.16E-07	2.55E-08	3.32E-08	5.27E-08	9.29E-09	6.59E-09	2.48E-07	1.31E-07	5.55E-08	6.53E-08	2.57E-08	1.31E-07	5.55E-08
5871	488792.36	3860682	4.04E-04	3.94E-04	3.89E-04	1.40E-07	4.22E-07	2.44E-07	2.38E-07	2.16E-07	9.86E-08	9.73E-08	4.67E-09	1.13E-07	2.49E-08	3.24E-08	5.13E-08	9.05E-09	6.42E-09	2.41E-07	1.27E-07	5.41E-08	6.36E-08	2.50E-08	1.27E-07	5.41E-08
5872	488692.48	3860684	3.94E-04	3.85E-04	3.79E-04	1.36E-07	4.12E-07	2.38E-07	2.33E-07	2.11E-07	9.63E-08	9.50E-08	4.56E-09	1.10E-07	2.43E-08	3.16E-08	5.01E-08	8.83E-09	6.26E-09	2.36E-07	1.24E-07	5.28E-08	6.21E-08	2.44E-08	1.24E-07	5.28E-08
5873	488592.59	3860685	3.85E-04	3.75E-04	3.70E-04	1.33E-07	4.02E-07	2.33E-07	2.27E-07	2.06E-07	9.39E-08	9.27E-08	4.45E-09	1.07E-07	2.37E-08	3.08E-08	4.89E-08	8.62E-09	6.11E-09	2.30E-07	1.21E-07	5.15E-08	6.06E-08	2.38E-08	1.21E-07	5.15E-08
5874	488492.71	3860686	3.77E-04	3.68E-04	3.63E-04	1.30E-07	3.94E-07	2.28E-07	2.22E-07	2.02E-07	9.20E-08	9.08E-08	4.35E-09	1.05E-07	2.32E-08	3.02E-08	4.79E-08	8.44E-09	5.99E-09	2.25E-07	1.19E-07	5.04E-08	5.93E-08	2.33E-08	1.19E-07	5.04E-08
5875	488299.07	3860762	3.53E-04	3.45E-04	3.40E-04	1.22E-07	3.69E-07	2.14E-07	2.08E-07	1.89E-07	8.62E-08	8.51E-08	4.08E-09	9.86E-08	2.18E-08	2.83E-08	4.49E-08	7.91E-09	5.61E-09	2.11E-07	1.11E-07	4.73E-08	5.56E-08	2.19E-08	1.11E-07	4.73E-08
5876	488205.32	3860764	3.46E-04	3.38E-04	3.34E-04	1.20E-07	3.62E-07	2.10E-07	2.05E-07	1.85E-07	8.46E-08	8.35E-08	4.00E-09	9.67E-08	2.13E-08	2.78E-08	4.41E-08	7.76E-09	5.51E-09	2.07E-07	1.09E-07	4.64E-08	5.46E-08	2.14E-08	1.09E-07	4.64E-08
5877	488111.56	3860766	3.39E-04	3.31E-04	3.26E-04	1.17E-07	3.54E-07	2.05E-07	2.00E-07	1.81E-07	8.28E-08	8.17E-08	3.92E-09	9.46E-08	2.09E-08	2.72E-08	4.31E-08	7.60E-09	5.39E-09	2.03E-07	1.07E-07	4.54E-08	5.34E-08	2.10E-08	1.07E-07	4.54E-08
5878	488017.81	3860768	3.32E-04	3.24E-04	3.20E-04	1.15E-07	3.47E-07	2.01E-07	1.96E-07	1.78E-07	8.11E-08	8.00E-08	3.84E-09	9.27E-08	2.04E-08	2.66E-08	4.22E-08	7.44E-09	5.28E-09	1.98E-07	1.05E-07	4.44E-08	5.23E-08	2.05E-08	1.05E-07	4.44E-08
5879	487924.06	3860770	3.24E-04	3.17E-04	3.12E-04	1.12E-07	3.39E-07	1.96E-07	1.92E-07	1.74E-07	7.92E-08	7.82E-08	3.75E-09	9.06E-08	2.00E-08	2.60E-08	4.13E-08	7.27E-09	5.16E-09	1.94E-07	1.02E-07	4.34E-08	5.11E-08	2.01E-08	1.02E-07	4.34E-08
5880	487830.31	3860772	3.19E-04	3.11E-04	3.07E-04	1.10E-07	3.33E-07	1.93E-07	1.88E-07	1.71E-07	7.78E-08	7.68E-08	3.68E-09	8.90E-08	1.96E-08	2.55E-08	4.05E-08	7.14E-09	5.06E-09	1.91E-07	1.01E-07	4.27E-08	5.02E-08	1.97E-08	1.01E-07	4.27E-08
5881	487736.55	3860774	3.12E-04	3.05E-04	3.01E-04	1.08E-07	3.27E-07	1.89E-07	1.84E-07	1.67E-07	7.63E-08	7.53E-08	3.61E-09	8.72E-08	1.92E-08	2.50E-08	3.97E-08	7.00E-09	4.97E-09	1.87E-07	9.86E-08	4.18E-08	4.92E-08	1.93E-08	9.86E-08	4.18E-08
5882	487642.8	3860776	3.07E-04	3.00E-04	2.96E-04	1.06E-07	3.21E-07	1.86E-07	1.82E-07	1.65E-07	7.51E-08	7.41E-08	3.55E-09	8.58E-08	1.89E-08	2.46E-08	3.91E-08	6.89E-09	4.89E-09	1.84E-07	9.70E-08	4.12E-08	4.84E-08	1.90E-08	9.70E-08	4.12E-08
5883	487549.48	3860685	3.12E-04	3.04E-04	3.00E-04	1.08E-07	3.26E-07	1.89E-07	1.84E-07	1.67E-07	7.62E-08	7.52E-08	3.61E-09	8.71E-08	1.92E-08	2.50E-08	3.97E-08	6.99E-09	4.96E-09	1.87E-07	9.85E-08	4.18E-08	4.91E-08	1.93E-08	9.85E-08	4.18E-08
5884	487549.91	3860592	3.22E-04	3.14E-04	3.10E-04	1.11E-07	3.36E-07	1.95E-07	1.90E-07	1.72E-07	7.85E-08	7.75E-08	3.72E-09	8.98E-08	1.98E-08	2.58E-08	4.09E-08	7.21E-09	5.11E-09	1.92E-07	1.01E-07	4.31E-08	5.07E-08	1.99E-08	1.01E-07	4.31E-08
5885	487550.34	3860499	3.32E-04	3.24E-04	3.20E-04	1.15E-07	3.47E-07	2.01E-07	1.96E-07	1.78E-07	8.12E-08	8.01E-08	3.84E-09	9.28E-08	2.05E-08	2.66E-08	4.23E-08	7.45E-09	5.28E-09	1.99E-07	1.05E-07	4.45E-08	5.24E-08	2.06E-08	1.05E-07	4.45E-08
5886	487550.76	3860406	3.46E-04	3.37E-04	3.33E-04	1.20E-07	3.61E-07	2.09E-07	2.04E-07	1.85E-07	8.44E-08	8.33E-08	3.99E-09	9.65E-08	2.13E-08	2.77E-08	4.39E-08	7.75E-09	5.49E-09	2.07E-07	1.09E-07	4.63E-08	5.44E-08	2.14E-08	1.09E-07	4.63E-08
5887	487551.19	3860314	3.60E-04	3.51E-04	3.47E-04	1.25E-07	3.76E-07	2.18E-07	2.13E-07	1.93E-07	8.79E-08	8.68E-08	4.16E-09	1.01E-07	2.22E-08	2.89E-08	4.58E-08	8.07E-09	5.72E-09	2.15E-07	1.14E-07	4.82E-08	5.67E-08	2.23E-08	1.14E-07	4.82E-08
5888	487551.62	3860221	3.76E-04	3.67E-04	3.62E-04	1.30E-07	3.93E-07	2.28E-07	2.22E-07	2.01E-07	9.19E-08	9.07E-08	4.35E-09	1.05E-07	2.32E-08	3.02E-08	4.79E-08	8.43E-09	5.98E-09	2.25E-07	1.19E-07	5.04E-08	5.93E-08	2.33E-08	1.19E-07	5.04E-08
5889	487552.05	3860128	3.95E-04	3.85E-04	3.80E-04	1.37E-07	4.12E-07	2.39E-07	2.33E-07	2.11E-07	9.64E-08	9.51E-08	4.56E-09	1.10E-07	2.43E-08	3.16E-08	5.02E-08	8.84E-09	6.27E-09	2.36E-07	1.25E-07	5.28E-08	6.22E-08	2.44E-08	1.25E-07	5.28E-08
5890	487552.48	3860036	4.12E-04	4.02E-04	3.97E-04	1.43E-07	4.31E-07	2.49E-07	2.43E-07	2.20E-07	1.01E-07	9.93E-08	4.76E-09	1.15E-07	2.54E-08	3.30E-08	5.24E-08	9.23E-09	6.55E-09	2.46E-07	1.30E-07	5.52E-08	6.49E-08	2.55E-08	1.30E-07	5.52E-08
5891	487552.91	3859943	4.26E-04	4.16E-04	4.11E-04	1.48E-07	4.46E-07	2.58E-07	2.52E-07	2.28E-07	1.04E-07	1.03E-07	4.93E-09	1.19E-07	2.63E-08	3.42E-08	5.42E-08	9.56E-09	6.78E-09	2.55E-07	1.35E-07	5.71E-08	6.72E-08	2.64E-08	1.35E-07	5.71E-08
5892	487553.33	3859850	4.42E-04	4.32E-04	4.26E-04	1.53E-07	4.62E-07	2.68E-07	2.61E-07	2.37E-07	1.08E-07	1.07E-07	5.11E-09	1.23E-07	2.72E-08	3.55E-08	5.62E-08	9.91E-09	7.03E-09	2.64E-07	1.40E-07	5.92E-08	6.97E-08	2.74E-08	1.40E-07	5.92E-08
5893	487553.76	3859757	4.57E-04	4.46E-04	4.40E-04	1.58E-07	4.78E-07	2.77E-07	2.70E-07	2.45E-07	1.12E-07	1.10E-07	5.28E-09	1.28E-07	2.82E-08	3.67E-08	5.81E-08	1.02E-08	7.27E-09	2.73E-07	1.44E-07	6.12E-08	7.20E-08	2.83E-08	1.44E-07	6.12E-08
5894	487554.19	3859665	4.73E-04	4.62E-04	4.55E-04	1.64E-07	4.94E-07	2.86E-07	2.79E-07	2.53E-07	1.16E-07	1.14E-07	5.47E-09	1.32E-07	2.91E-08	3.79E-08	6.01E-08	1.06E-08	7.52E-09	2.83E-07	1.49E-07	6.33E-08	7.45E-08	2.93E-08	1.49E-07	6.33E-08
5895	487460.2	3859571	4.79E-04	4.67E-04	4.61E-04	1.66E-07	5.00E-07	2.90E-07	2.83E-07	2.56E-07	1.17E-07	1.15E-07	5.53E-09	1.34E-07	2.95E-08	3.84E-08	6.09E-08	1.07E-08	7.61E-09	2.86E-07	1.51E-07	6.41E-08	7.54E-08	2.96E-08	1.51E-07	6.41E-08
5896	487365.78	3859570	4.66E-04	4.55E-04	4.49E-04	1.61E-07	4.87E-07	2.82E-07	2.75E-07	2.50E-07	1.14E-07	1.12E-07	5.39E-09	1.30E-07	2.87E-08	3.74E-08	5.93E-08	1.05E-08	7.41E-09	2.79E-07	1.47E-07	6.24E-08	7.35E-08	2.89E-08	1.47E-07	6.24E-08
5897	487271.36	3859569	4.55E-04	4.44E-04	4.38E-04	1.57E-07	4.75E-07	2.75E-07	2.68E-07	2.43E-07	1.11E-07	1.10E-07	5.26E-09	1.27E-07	2.80E-08	3.65E-08	5.78E-08	1.02E-08	7.23E-09	2.72E-07	1.44E-07	6.09E-08	7.16E-08	2.81E-08	1.44E-07	6.09E-08
5898	487176.94	3859569	4.43E-04	4.32E-04	4.27E-04	1.53E-07	4.63E-07	2.68E-07	2.62E-07	2.37E-07	1.08E-07	1.07E-07	5.12E-09	1.24E-07	2.73E-08	3.55E-08	5.63E-08	9.93E-09	7.04E-09	2.65E-07	1.40E-07	5.93E-08	6.98E-08	2.74E-08	1.40E-07	5.93E-08
5899	487082.51	3859568	4.33E-04	4.23E-04	4.17E-04	1.50E-07	4.53E-07	2.62E-07	2.56E-07	2.32E-07	1.06E-07	1.04E-07	5.01E-09	1.21E-07	2.67E-08	3.47E-08	5.51E-08	9.71E-09	6.88E-09	2.59E-07	1.37E-07	5.80E-08	6.82E-08	2.68E-08	1.37E-07	5.80E-08
5900	486988.09	3859567	4.23E-04	4.13E-04	4.07E-04	1.46E-07	4.42E-07	2.56E-07	2.50E-07	2.26E-07	1.03E-07	1.02E-07	4.89E-09	1.18E-07	2.60E-08	3.39E-08	5.38E-08	9.48E-09	6.72E-09	2.53E-07	1.33E-07	5.66E-08	6.66E-08	2.62E-08	1.33E-07	5.66E-08
5901	486893.67	3859566	4.14E-04	4.04E-04	3.98E-04	1.43E-07	4.32E-07	2.50E-07	2.44E-07	2.21E-07	1.01E-07	9.97E-08	4.78E-09	1.15E-07	2.55E-08	3.32E-08	5.26E-08	9.27E-09	6.57E-09	2.47E-07	1.31E-07	5.54E-08	6.52E-08	2.56E-08	1.31E-07	5.54E-08
5902	486799.25	3859566	4.05E-04	3.95E-04	3.90E-04	1.40E-07	4.23E-07	2.45E-07	2.39E-07	2.17E-07	9.89E-08	9.76E-08	4.68E-09	1.13E-07	2.49E-08	3.25E-08	5.15E-08	9.08E-09	6.44E-09	2.42E-07	1.28E-07	5.42E-08	6.38E-08	2.51E-08	1.28E-07	5.42E-08
5903	486704.83	3859565	3.97E-04	3.87E-04	3.82E-04	1.37E-07	4.15E-07	2.40E-07	2.34E-07	2.12E-07	9.69E-08	9.56E-08	4.58E-09	1.11E-07	2.44E-08	3.18E-08	5.04E-08	8.89E-09	6.30E-09	2.37E-07	1.25E-07	5.31E-08	6.25E-08	2.45E-08	1.25E-07	5.31E-08
5904	486610.41	3859564	3.89E-04	3.80E-04	3.75E-04	1.35E-07	4.07E-07	2.35E-07	2.30E-07	2.08E-07	9.50E-08	9.38E-08	4.50E-09	1.09E-07	2.40E-08	3.12E-08	4.95E-08	8.72E-09	6.19E-09	2.33E-07	1.23E-07	5.21E-08	6.13E-08	2.41E-08	1.23E-07	5.21E-08
5905	486515.99	3859563	3.81E-04	3.72E-04	3.67E-04	1.32E-07	3.98E-07	2.30E-07	2.25E-07	2.04E-07	9.30E-08	9.18E-08	4.40E-09	1.06E-07	2.35E-08	3.05E-08	4.84E-08	8.54E-09	6.05E-09	2.28E-07	1.20E-07	5.10E-08	6.00E-08	2.36E-08	1.20E-07	5.10E-08
5906	486421.57	3859562	3.73E-04	3.64E-04	3.60E-04	1.29E-07	3.90E-07	2.26E-07	2.20E-07	2.00E-07	9.12E-08	9.00E-08	4.32E-09	1.04E-07	2.30E-08	2.99E-08	4.75E-08	8.37E-09	5.94E-09	2.23E-07	1.18E-07	5.00E-08	5.88E-08	2.31E-08	1.18E-07	5.00E-08
5907	486327.14	3859562	3.67E-04	3.58E-04	3.54E-04	1.27E-07	3.84E-07	2.22E-07	2.17E-07	1.97E-07	8.97E-08	8.85E-08	4.24E-09	1.03E-07	2.26E-08	2.94E-08	4.67E-08	8.23E-09	5.84E-09	2.20E-07	1.16E-07	4.92E-08	5.78E-08	2.27E-08	1.16E-07	4.92E-08
5908	486232.72	3859561	3.60E-04	3.51E-04	3.46E-04	1.25E-07	3.76E-07	2.18E-07	2.12E-07	1.93E-07	8.78E-08	8.67E-08	4.16E-09	1.00E-07	2.22E-08	2.88E-08	4.57E-08	8.06E-09	5.72E-09	2.15E-07	1.14E-07	4.82E-08	5.67E-08	2.23E-08	1.14E-07	4.82E-08
5909	486138.3	3859560	3.53E-04	3.45E-04	3.40E-04	1.22E-07	3.69E-07	2.14E-07	2.08E-07	1.89E-07	8.62E-08	8.51E-08	4.08E-09	9.86E-08	2.18E-08	2.83E-08	4.49E-08	7.91E-09	5.61E-09	2.11E-07	1.11E-07	4.73E-08	5.56E-08	2.19E-08	1.11E-07	4.73E-08
5910	486043.88	3859559	3.46E-04	3.38E-04	3.33E-04	1.20E-07	3.62E-07	2.09E-07	2.04E-07	1.85E-07	8.45E-08	8.34E-08	4.00E-09	9.66E-08	2.13E-08	2.77E-08	4.40E-08	7.75E-09	5.50E-09	2.07E-07	1.09E-07	4.63E-08	5.45E-08	2.14E-08	1.09E-07	4.63E-08
5911	485949.35	3859464	3.48E-04	3.40E-04	3.36E-04	1.21E-07	3.64E-07	2.11E-07	2.06E-07	1.87E-07	8.51E-08	8.40E-08	4.03E-09	9.73E-08	2.15E-08	2.79E-08	4.43E-08	7.81E-09	5.54E-09	2.08E-07	1.10E-07	4.67E-08	5.49E-08	2.16E-08	1.10E-07	4.67E-08
5912	485949.24	3859369	3.57E-04	3.49E-04	3.44E-04	1.24E-07	3.73E-07	2.16E-07	2.11E-07	1.91E-07	8.72E-08	8.61E-08	4.13E-09	9.97E-08	2.20E-08	2.86E-08	4.54E-08	8.01E-09	5.68E-09	2.14E-07	1.13E-07	4.78E-08	5.63E-08	2.21E-08	1.13E-07	4.78E-08
5913	485949.12	3859274	3.66E-04	3.57E-04	3.52E-04	1.27E-07	3.82E-07	2.21E-07	2.16E-07	1.96E-07	8.94E-08	8.82E-08	4.23E-09	1.02E-07	2.25E-08	2.93E-08	4.65E-08	8.20E-09	5.82E-09	2.19E-07	1.15E-07	4.90E-08	5.76E-08	2.26E-08	1.15E-07	4.90E-08

5914	485949.01	3859179	3.75E-04	3.66E-04	3.61E-04	1.30E-07	3.92E-07	2.27E-07	2.21E-07	2.01E-07	9.16E-08	9.04E-08	4.34E-09	1.05E-07	2.31E-08	3.01E-08	4.77E-08	8.41E-09	5.96E-09	2.24E-07	1.18E-07	5.02E-08	5.91E-08	2.32E-08	1.18E-07	5.02E-08
5915	485948.9	3859084	3.86E-04	3.77E-04	3.72E-04	1.34E-07	4.04E-07	2.34E-07	2.28E-07	2.07E-07	9.43E-08	9.31E-08	4.46E-09	1.08E-07	2.38E-08	3.10E-08	4.91E-08	8.66E-09	6.14E-09	2.31E-07	1.22E-07	5.17E-08	6.08E-08	2.39E-08	1.22E-07	5.17E-08
5916	485948.79	3858989	4.00E-04	3.90E-04	3.85E-04	1.38E-07	4.18E-07	2.42E-07	2.36E-07	2.14E-07	9.76E-08	9.63E-08	4.62E-09	1.12E-07	2.46E-08	3.20E-08	5.08E-08	8.95E-09	6.35E-09	2.39E-07	1.26E-07	5.35E-08	6.29E-08	2.47E-08	1.26E-07	5.35E-08
5917	485948.67	3858894	4.14E-04	4.04E-04	3.99E-04	1.43E-07	4.33E-07	2.51E-07	2.45E-07	2.22E-07	1.01E-07	9.99E-08	4.79E-09	1.16E-07	2.55E-08	3.32E-08	5.27E-08	9.29E-09	6.59E-09	2.48E-07	1.31E-07	5.55E-08	6.53E-08	2.57E-08	1.31E-07	5.55E-08
5918	485948.56	3858799	4.32E-04	4.22E-04	4.16E-04	1.50E-07	4.52E-07	2.62E-07	2.55E-07	2.31E-07	1.06E-07	1.04E-07	5.00E-09	1.21E-07	2.66E-08	3.47E-08	5.50E-08	9.69E-09	6.87E-09	2.59E-07	1.36E-07	5.79E-08	6.81E-08	2.68E-08	1.36E-07	5.79E-08
5919	485948.45	3858704	4.50E-04	4.39E-04	4.33E-04	1.56E-07	4.70E-07	2.72E-07	2.66E-07	2.41E-07	1.10E-07	1.08E-07	5.20E-09	1.26E-07	2.77E-08	3.61E-08	5.72E-08	1.01E-08	7.16E-09	2.69E-07	1.42E-07	6.03E-08	7.09E-08	2.79E-08	1.42E-07	6.03E-08
5920	485948.34	3858609	4.71E-04	4.60E-04	4.54E-04	1.63E-07	4.93E-07	2.85E-07	2.78E-07	2.52E-07	1.15E-07	1.14E-07	5.45E-09	1.32E-07	2.90E-08	3.78E-08	5.99E-08	1.06E-08	7.49E-09	2.82E-07	1.49E-07	6.31E-08	7.42E-08	2.92E-08	1.49E-07	6.31E-08
5921	485948.22	3858514	4.94E-04	4.82E-04	4.75E-04	1.71E-07	5.16E-07	2.99E-07	2.92E-07	2.64E-07	1.21E-07	1.19E-07	5.71E-09	1.38E-07	3.04E-08	3.96E-08	6.28E-08	1.11E-08	7.85E-09	2.95E-07	1.56E-07	6.61E-08	7.78E-08	3.06E-08	1.56E-07	6.61E-08
5922	485948.11	3858419	5.18E-04	5.05E-04	4.99E-04	1.79E-07	5.41E-07	3.13E-07	3.06E-07	2.77E-07	1.26E-07	1.25E-07	5.99E-09	1.45E-07	3.19E-08	4.15E-08	6.58E-08	1.16E-08	8.23E-09	3.10E-07	1.63E-07	6.93E-08	8.16E-08	3.20E-08	1.63E-07	6.93E-08
5923	485948	3858324	5.47E-04	5.34E-04	5.27E-04	1.89E-07	5.72E-07	3.31E-07	3.23E-07	2.93E-07	1.34E-07	1.32E-07	6.32E-09	1.53E-07	3.37E-08	4.38E-08	6.95E-08	1.23E-08	8.69E-09	3.27E-07	1.73E-07	7.32E-08	8.61E-08	3.38E-08	1.73E-07	7.32E-08
5924	485947.89	3858229	5.78E-04	5.64E-04	5.56E-04	2.00E-07	6.04E-07	3.50E-07	3.41E-07	3.09E-07	1.41E-07	1.39E-07	6.68E-09	1.61E-07	3.56E-08	4.63E-08	7.35E-08	1.30E-08	9.19E-09	3.46E-07	1.82E-07	7.74E-08	9.10E-08	3.58E-08	1.82E-07	7.74E-08
5925	485947.77	3858134	6.14E-04	6.00E-04	5.92E-04	2.13E-07	6.42E-07	3.72E-07	3.63E-07	3.29E-07	1.50E-07	1.48E-07	7.10E-09	1.72E-07	3.79E-08	4.93E-08	7.81E-08	1.38E-08	9.77E-09	3.67E-07	1.94E-07	8.23E-08	9.68E-08	3.80E-08	1.94E-07	8.23E-08
5926	485947.66	3858039	6.63E-04	6.47E-04	6.38E-04	2.29E-07	6.93E-07	4.01E-07	3.91E-07	3.55E-07	1.62E-07	1.60E-07	7.66E-09	1.85E-07	4.08E-08	5.31E-08	8.43E-08	1.49E-08	1.05E-08	3.96E-07	2.09E-07	8.88E-08	1.04E-07	4.10E-08	2.09E-07	8.88E-08
5927	485854.54	3857943	6.74E-04	6.58E-04	6.49E-04	2.33E-07	7.05E-07	4.08E-07	3.98E-07	3.61E-07	1.65E-07	1.62E-07	7.79E-09	1.88E-07	4.15E-08	5.40E-08	8.57E-08	1.51E-08	1.07E-08	4.03E-07	2.13E-07	9.03E-08	1.06E-07	4.17E-08	2.13E-07	9.03E-08
5928	485761.52	3857943	6.38E-04	6.23E-04	6.14E-04	2.21E-07	6.67E-07	3.86E-07	3.77E-07	3.42E-07	1.56E-07	1.54E-07	7.38E-09	1.78E-07	3.93E-08	5.12E-08	8.11E-08	1.43E-08	1.01E-08	3.82E-07	2.01E-07	8.54E-08	1.01E-07	3.95E-08	2.01E-07	8.54E-08
5929	485668.51	3857943	6.08E-04	5.94E-04	5.86E-04	2.11E-07	6.36E-07	3.68E-07	3.59E-07	3.26E-07	1.49E-07	1.47E-07	7.03E-09	1.70E-07	3.75E-08	4.88E-08	7.73E-08	1.36E-08	9.67E-09	3.64E-07	1.92E-07	8.14E-08	9.58E-08	3.76E-08	1.92E-07	8.14E-08
5930	485575.5	3857943	5.80E-04	5.66E-04	5.58E-04	2.01E-07	6.06E-07	3.51E-07	3.42E-07	3.10E-07	1.42E-07	1.40E-07	6.70E-09	1.62E-07	3.57E-08	4.65E-08	7.37E-08	1.30E-08	9.21E-09	3.47E-07	1.83E-07	7.76E-08	9.13E-08	3.59E-08	1.83E-07	7.76E-08
5931	485482.48	3857942	5.56E-04	5.42E-04	5.35E-04	1.92E-07	5.81E-07	3.36E-07	3.28E-07	2.97E-07	1.36E-07	1.34E-07	6.42E-09	1.55E-07	3.42E-08	4.45E-08	7.06E-08	1.25E-08	8.83E-09	3.32E-07	1.75E-07	7.44E-08	8.75E-08	3.44E-08	1.75E-07	7.44E-08
5932	485389.47	3857942	5.34E-04	5.21E-04	5.14E-04	1.85E-07	5.58E-07	3.23E-07	3.15E-07	2.86E-07	1.30E-07	1.29E-07	6.17E-09	1.49E-07	3.29E-08	4.28E-08	6.78E-08	1.20E-08	8.48E-09	3.19E-07	1.68E-07	7.14E-08	8.40E-08	3.30E-08	1.68E-07	7.14E-08
5933	485296.46	3857942	5.13E-04	5.01E-04	4.94E-04	1.78E-07	5.36E-07	3.11E-07	3.03E-07	2.75E-07	1.25E-07	1.24E-07	5.93E-09	1.43E-07	3.16E-08	4.11E-08	6.53E-08	1.15E-08	8.16E-09	3.07E-07	1.62E-07	6.87E-08	8.08E-08	3.18E-08	1.62E-07	6.87E-08
5934	485203.45	3857942	4.96E-04	4.84E-04	4.77E-04	1.72E-07	5.18E-07	3.00E-07	2.93E-07	2.65E-07	1.21E-07	1.19E-07	5.73E-09	1.38E-07	3.05E-08	3.97E-08	6.30E-08	1.11E-08	7.88E-09	2.96E-07	1.56E-07	6.64E-08	7.81E-08	3.07E-08	1.56E-07	6.64E-08
5935	485110.43	3857941	4.78E-04	4.66E-04	4.60E-04	1.65E-07	5.00E-07	2.89E-07	2.82E-07	2.56E-07	1.17E-07	1.15E-07	5.52E-09	1.33E-07	2.94E-08	3.83E-08	6.08E-08	1.07E-08	7.60E-09	2.86E-07	1.51E-07	6.40E-08	7.53E-08	2.96E-08	1.51E-07	6.40E-08
5936	485017.42	3857941	4.61E-04	4.50E-04	4.44E-04	1.60E-07	4.82E-07	2.79E-07	2.72E-07	2.47E-07	1.13E-07	1.11E-07	5.33E-09	1.29E-07	2.84E-08	3.69E-08	5.86E-08	1.03E-08	7.33E-09	2.76E-07	1.45E-07	6.17E-08	7.26E-08	2.85E-08	1.45E-07	6.17E-08
5937	484924.41	3857941	4.45E-04	4.34E-04	4.29E-04	1.54E-07	4.65E-07	2.69E-07	2.63E-07	2.38E-07	1.09E-07	1.07E-07	5.15E-09	1.24E-07	2.74E-08	3.57E-08	5.66E-08	9.98E-09	7.08E-09	2.66E-07	1.41E-07	5.96E-08	7.01E-08	2.76E-08	1.41E-07	5.96E-08
5938	484831.39	3857940	4.31E-04	4.20E-04	4.15E-04	1.49E-07	4.50E-07	2.61E-07	2.54E-07	2.30E-07	1.05E-07	1.04E-07	4.98E-09	1.20E-07	2.65E-08	3.45E-08	5.48E-08	9.65E-09	6.85E-09	2.58E-07	1.36E-07	5.77E-08	6.78E-08	2.67E-08	1.36E-07	5.77E-08
5939	484738.12	3857859	4.30E-04	4.20E-04	4.14E-04	1.49E-07	4.50E-07	2.60E-07	2.54E-07	2.30E-07	1.05E-07	1.04E-07	4.97E-09	1.20E-07	2.65E-08	3.45E-08	5.47E-08	9.64E-09	6.84E-09	2.57E-07	1.36E-07	5.76E-08	6.78E-08	2.66E-08	1.36E-07	5.76E-08
5940	484737.85	3857778	4.46E-04	4.35E-04	4.29E-04	1.54E-07	4.66E-07	2.70E-07	2.63E-07	2.38E-07	1.09E-07	1.07E-07	5.15E-09	1.24E-07	2.75E-08	3.57E-08	5.67E-08	9.99E-09	7.08E-09	2.66E-07	1.41E-07	5.97E-08	7.02E-08	2.76E-08	1.41E-07	5.97E-08
5941	484737.59	3857697	4.62E-04	4.51E-04	4.45E-04	1.60E-07	4.83E-07	2.80E-07	2.73E-07	2.47E-07	1.13E-07	1.11E-07	5.34E-09	1.29E-07	2.85E-08	3.70E-08	5.88E-08	1.04E-08	7.35E-09	2.76E-07	1.46E-07	6.19E-08	7.28E-08	2.86E-08	1.46E-07	6.19E-08
5942	484737.32	3857617	4.79E-04	4.68E-04	4.61E-04	1.66E-07	5.01E-07	2.90E-07	2.83E-07	2.56E-07	1.17E-07	1.15E-07	5.54E-09	1.34E-07	2.95E-08	3.84E-08	6.09E-08	1.07E-08	7.62E-09	2.87E-07	1.51E-07	6.42E-08	7.55E-08	2.97E-08	1.51E-07	6.42E-08
5943	484645.53	3857535	4.80E-04	4.68E-04	4.62E-04	1.66E-07	5.02E-07	2.90E-07	2.83E-07	2.57E-07	1.17E-07	1.16E-07	5.55E-09	1.34E-07	2.96E-08	3.85E-08	6.10E-08	1.08E-08	7.63E-09	2.87E-07	1.52E-07	6.43E-08	7.56E-08	2.97E-08	1.52E-07	6.43E-08
5944	484553.99	3857535	4.63E-04	4.51E-04	4.45E-04	1.60E-07	4.84E-07	2.80E-07	2.73E-07	2.48E-07	1.13E-07	1.11E-07	5.35E-09	1.29E-07	2.85E-08	3.71E-08	5.88E-08	1.04E-08	7.35E-09	2.77E-07	1.46E-07	6.19E-08	7.29E-08	2.86E-08	1.46E-07	6.19E-08
5945	484462.46	3857534	4.47E-04	4.36E-04	4.30E-04	1.55E-07	4.67E-07	2.70E-07	2.64E-07	2.39E-07	1.09E-07	1.08E-07	5.17E-09	1.25E-07	2.75E-08	3.58E-08	5.68E-08	1.00E-08	7.10E-09	2.67E-07	1.41E-07	5.98E-08	7.04E-08	2.77E-08	1.41E-07	5.98E-08
5946	484370.93	3857534	4.33E-04	4.22E-04	4.17E-04	1.50E-07	4.52E-07	2.62E-07	2.55E-07	2.32E-07	1.06E-07	1.04E-07	5.00E-09	1.21E-07	2.67E-08	3.47E-08	5.50E-08	9.70E-09	6.88E-09	2.59E-07	1.37E-07	5.79E-08	6.82E-08	2.68E-08	1.37E-07	5.79E-08
5947	484279.4	3857533	4.20E-04	4.10E-04	4.04E-04	1.45E-07	4.39E-07	2.54E-07	2.48E-07	2.25E-07	1.03E-07	1.01E-07	4.85E-09	1.17E-07	2.59E-08	3.37E-08	5.34E-08	9.41E-09	6.67E-09	2.51E-07	1.33E-07	5.62E-08	6.61E-08	2.60E-08	1.33E-07	5.62E-08
5948	484187.86	3857533	4.08E-04	3.98E-04	3.93E-04	1.41E-07	4.27E-07	2.47E-07	2.41E-07	2.19E-07	9.97E-08	9.84E-08	4.72E-09	1.14E-07	2.52E-08	3.27E-08	5.19E-08	9.15E-09	6.49E-09	2.44E-07	1.29E-07	5.47E-08	6.43E-08	2.53E-08	1.29E-07	5.47E-08
5949	484096.33	3857532	3.98E-04	3.88E-04	3.83E-04	1.38E-07	4.16E-07	2.41E-07	2.35E-07	2.13E-07	9.72E-08	9.59E-08	4.60E-09	1.11E-07	2.45E-08	3.19E-08	5.06E-08	8.92E-09	6.32E-09	2.38E-07	1.26E-07	5.33E-08	6.27E-08	2.46E-08	1.26E-07	5.33E-08
5950	484004.8	3857532	3.88E-04	3.79E-04	3.74E-04	1.34E-07	4.06E-07	2.35E-07	2.29E-07	2.08E-07	9.48E-08	9.36E-08	4.49E-09	1.08E-07	2.39E-08	3.11E-08	4.94E-08	8.70E-09	6.17E-09	2.32E-07	1.23E-07	5.20E-08	6.12E-08	2.40E-08	1.23E-07	5.20E-08
5951	483913.27	3857531	3.79E-04	3.70E-04	3.65E-04	1.31E-07	3.96E-07	2.29E-07	2.24E-07	2.03E-07	9.26E-08	9.14E-08	4.38E-09	1.06E-07	2.34E-08	3.04E-08	4.82E-08	8.50E-09	6.03E-09	2.27E-07	1.20E-07	5.08E-08	5.97E-08	2.35E-08	1.20E-07	5.08E-08
5952	483821.73	3857531	3.71E-04	3.62E-04	3.57E-04	1.28E-07	3.88E-07	2.24E-07	2.19E-07	1.99E-07	9.06E-08	8.94E-08	4.29E-09	1.04E-07	2.29E-08	2.97E-08	4.72E-08	8.31E-09	5.90E-09	2.22E-07	1.17E-07	4.97E-08	5.84E-08	2.30E-08	1.17E-07	4.97E-08
5953	483729.61	3857450	3.72E-04	3.63E-04	3.58E-04	1.29E-07	3.89E-07	2.25E-07	2.19E-07	1.99E-07	9.08E-08	8.96E-08	4.30E-09	1.04E-07	2.29E-08	2.98E-08	4.73E-08	8.33E-09	5.91E-09	2.22E-07	1.17E-07	4.98E-08	5.86E-08	2.30E-08	1.17E-07	4.98E-08
5954	483729.03	3857370	3.82E-04	3.72E-04	3.68E-04	1.32E-07	3.99E-07	2.31E-07	2.25E-07	2.04E-07	9.32E-08	9.20E-08	4.41E-09	1.07E-07	2.35E-08	3.06E-08	4.85E-08	8.55E-09	6.07E-09	2.28E-07	1.20E-07	5.11E-08	6.01E-08	2.36E-08	1.20E-07	5.11E-08
5955	483728.44	3857290	3.92E-04	3.82E-04	3.77E-04	1.36E-07	4.09E-07	2.37E-07	2.31E-07	2.10E-07	9.56E-08	9.44E-08	4.53E-09	1.09E-07	2.41E-08	3.14E-08	4.98E-08	8.78E-09	6.23E-09	2.34E-07	1.24E-07	5.24E-08	6.17E-08	2.42E-08	1.24E-07	5.24E-08
5956	483727.86	3857210	4.02E-04	3.92E-04	3.87E-04	1.39E-07	4.20E-07	2.43E-07	2.37E-07	2.15E-07	9.82E-08	9.69E-08	4.65E-09	1.12E-07	2.48E-08	3.22E-08	5.11E-08	9.01E-09	6.39E-09	2.40E-07	1.27E-07	5.38E-08	6.33E-08	2.49E-08	1.27E-07	5.38E-08
5957	483641.15	3857129	4.04E-04	3.94E-04	3.89E-04	1.40E-07	4.22E-07	2.44E-07	2.38E-07	2.16E-07	9.86E-08	9.73E-08	4.67E-09	1.13E-07	2.49E-08	3.24E-08	5.13E-08	9.05E-09	6.42E-09	2.41E-07	1.27E-07	5.41E-08	6.36E-08	2.50E-08	1.27E-07	5.41E-08
5958	483555.03	3857128	3.94E-04	3.84E-04	3.79E-04	1.36E-07	4.12E-07	2.38E-07	2.32E-07	2.11E-07	9.62E-08	9.49E-08	4.55E-09	1.10E-07	2.43E-08	3.16E-08	5.01E-08	8.82E-09	6.26E-09	2.35E-07	1.24E-07	5.27E-08	6.20E-08	2.44E-08	1.24E-07	5.27E-08
5959	483468.91	3857127	3.84E-04	3.75E-04	3.70E-04	1.33E-07	4.02E-07	2.32E-07	2.27E-07	2.06E-07	9.38E-08	9.26E-08	4.44E-09	1.07E-07	2.37E-08	3.08E-08	4.89E-08	8.61E-09	6.11E-09	2.30E-07	1.21E-07	5.14E-08	6.05E-08	2.38E-08	1.21E-07	5.14E-08
5960	483382.78	3857126	3.76E-04	3.67E-04	3.62E-04	1.30E-07	3.93E-07	2.28E-07	2.22E-07	2.01E-07	9.19E-08	9.07E-08	4.35E-09	1.05E-07	2.32E-08	3.02E-08	4.79E-08	8.43E-09	5.98E-09	2.25E-07	1.19E-07	5.04E-08	5.93E-08	2.33E-08	1.19E-07	5.04E-08
5961	483296.66	3857125	3.68E-04	3.60E-04	3.55E-04	1.28E-07	3.85E-07	2.23E-07	2.18E-07	1.97E-07	9.00E-08	8.88E-08	4.26E-09	1.03E-07	2.27E-08	2.95E-08	4.69E-08	8.26E-09	5.86E-09	2.20E-07	1.16E-07	4.93E-08	5.80E-08	2.28E-08	1.16E-07	4.93E-08
5962	483210.54	3857124	3.61E-04	3.52E-04	3.48E-04	1.25E-07	3.77E-07	2.18E-07	2.13E-07	1.93E-07	8.81E-08	8.70E-08	4.17E-09	1.01E-07	2.22E-08	2.89E-08	4.59E-08	8.09E-09	5.74E-09	2.16E-07	1.14E-07	4.83E-08	5.69E-08	2.23E-08	1.14E-07	4.83E-08
5963	483123.4	3857031	3.63E-04	3.55E-04	3.50E-04	1.26E-07	3.80E-07	2.20E-07	2.15E-07	1.95E-07	8.88E-08	8.76E-08	4.20E-09	1.01E-07	2.24E-08	2.91E-08	4.62E-08	8.15E-09	5.78E-09	2.17E-07	1.15E-07	4.87E-08	5.73E-08	2.25E-08	1.15E-07	4.87E-08
5964	483122.38	3856938	3.73E-04	3.64E-04	3.60E-04	1.29E-07	3.90E-07	2.26E-07	2.20E-07	2.00E-07	9.12E-08	9.00E-08	4.32E-09	1.04E-07	2.30E-08	2.99E-08	4.75E-08	8.37E-09	5.94E-09	2.23E-07	1.18E-07	5.00E-08	5.88E-08	2.31E-08	1.18E-07	5.00E-08
5965	483121.35	3856846	3.84E-04	3.74E-04	3.70E-04	1.33E-07	4.01E-07	2.32E-07	2.27E-07	2.05E-07	9.37E-08	9.25E-08	4.44E-09	1.07E-07	2.36E-08	3.08E-08	4.88E-08	8.60E-09	6.10E-09	2.30E-07	1.21E-07	5.14E-08	6.05E-08	2.38E-08	1.21E-07	5.14E-08
5966	483120.33	3856753	3.94E-04	3.84E-04	3.79E-04	1.36E-07	4.12E-07	2.38E-07	2.32E-07	2.11E-07	9.62E-08	9.49E-08	4.55E-09	1.10E-07	2.43E-08	3.16E-08	5.01E-08	8.82E-09	6.26E-09	2.35E-07	1.24E-07	5.27E-08	6.20E-08	2.44E-08	1.24E-07	5.27E-08
5967	483119.31	3856661	4.05E-04	3.95E-04	3.89E-04	1.40E-07	4.23E-07	2.45E-07	2.39E-07	2.17E-07	9.88E-08	9.75E-08	4.68E-09	1.13E-07	2.49E-08	3.24E-08	5.14E-08	9.07E-09	6.43E-09	2.42E-07	1.28E-07	5.42E-08	6.37E-08	2.50E-08	1.28E-07	5.42E-08
5968	483118.29	3856568	4.16E-04	4.06E-04	4.01E-04	1.44E-07	4.35E-07	2.52E-07	2.46E-07	2.23E-07	1.02E-07	1.00E-07	4.81E-09	1.16E-07	2.56E-08	3.34E-08	5.29E-08	9.33E-09	6.61E-09	2.49E-07	1.31E-07	5.57E-08	6.56E-08	2.58E-08	1.31E-07	5.57E-08
5969	483117.26	3856476	4.29E-04	4.19E-04	4.13E-04	1.49E-07	4.49E-07	2.60E-07	2.54E-07	2.30E-07	1.05E-07	1.03E-07	4.96E-09	1.20E-07	2.65E-08	3.44E-08	5.46E-08	9.62E-09	6.83E-09	2.57E-07	1.36E-07	5.75E-08	6.76E-08	2.66E-08	1.36E-07	5.75E-08
5970	483116.24	3856384	4.44E-04	4.33E-04	4.27E-04	1.54E-07	4.64E-07	2.68E-07	2.62E-07	2.37E-07	1.08E-07	1.07E-07	5.13E-09	1.24E-07	2.73E-08	3.56E-08	5.64E-08	9.94E-09	7.05E-09	2.65E-07	1.40E-07	5.94E-08	6.99E-08	2.74E-08	1.40E-07	5.94E-08
5971	483115.22	3856291	4.59E-04	4.48E-04	4.42E-04	1.59E-07	4.80E-07	2.78E-07	2.71E-07	2.46E-07	1.12E-07	1.11E-07	5.30E-09	1.28E-07	2.83E-08	3.68E-08	5.84E-08	1.03E-08	7.29E-09	2.74E-07	1.45E-07	6.14E-08	7.23E-08	2.84E-08	1.45E-07	6.14E-08
5972	483114.2	3856199	4.76E-04	4.64E-04	4.58E-04	1.65E-07	4.97E-07	2.88E-07	2.81E-07	2.55E-07	1.16E-07	1.15E-07	5.50E-09	1.33E-07	2.93E-08	3.81E-08	6.05E-08	1.07E-08	7.56E-09	2.85E-07	1.50E-07	6.37E-08	7.50E-08	2.95E-08	1.50E-07	6.37E-08
5973	483113.17	3856106	4.97E-04	4.85E-04	4.79E-04	1.72E-07	5.19E-07	3.01E-07	2.93E-07	2.66E-07	1.21E-07	1.20E-07	5.75E-09	1.39E-07	3.06E-08	3.98E-08	6.32E-08	1.11E-08	7.90E-09	2.97E-07	1.57E-07	6.66E-08	7.83E-08	3.08E-08	1.57E-07	6.66E-08
5974	483112.15	3856014	5.20E-04	5.08E-04	5.01E-04	1.80E-07	5.44E-07	3.15E-07	3.07E-07	2.78E-07	1.27E-07	1.25E-07	6.01E-09	1.45E-07	3.21E-08	4.17E-08	6.62E-08	1.17E-08	8.27E-09	3.11E-07	1.64E-07	6.97E-08	8.20E-08	3.22E-08	1.64E-07	6.97E-08
5975	483029.25	3855920	5.27E-04	5.14E-04	5.07E-04	1.82E-07	5.51E-07	3.19E-07	3.11E-07	2.82E-07	1.29E-07	1.27E-07	6.09E-09	1.47E-07	3.25E-08	4.22E-08	6.70E-08	1.18E-08	8.38E-09	3.15E-07	1.66E-07	7.06E-08	8.30E-08	3.26E-08	1.66E-07	7.06E-08
5976	482947.37	3855920	5.08E-04	4.96E-04	4.89E-04	1.76E-07	5.31E-07	3.08E-07	3.00E-07	2.72E-07	1.24E-07	1.22E-07	5.87E-09	1.42E-07	3.13E-08	4.07E-08	6.46E-08	1.14E-08	8.08E-09	3.04E-07	1.60E-07	6.81E-08	8.01E-08	3.15E-08	1.60E-07	6.81E-08
5977	482865.49	3855919	4.91E-04	4.79E-04	4.73E-04	1.70E-07	5.13E-07	2.97E-07	2.90E-07	2.63E-07	1.20E-07	1.18E-07	5.68E-09	1.37E-07	3.03E-08	3.94E-08	6.25E-08	1.10E-08	7.81E-09	2.94E-07	1.55E-07	6.58E-08	7.74E-08	3.04E-08	1.55E-07	6.58E-08
5978	482783.61	3855919	4.77E-04	4.65E-04	4.59E-04	1.65E-07	4.98E-07	2.88E-07	2.81E-07	2.55E-07	1.16E-07	1.15E-07	5.51E-09	1.33E-07	2.94E-08	3.82E-08	6.06E-08	1.07E-08	7.58E-09	2.85E-07	1.50E-07	6.38E-08	7.51E-08	2.95E-08	1.50E-07	6.38E-08
5979	482700.33	3855818	4.82E-04	4.70E-04	4.64E-04	1.67E-07	5.04E-07	2.92E-07	2.85E-07	2.58E-07	1.18E-07	1.16E-07	5.57E-09	1.35E-07	2.97E-08	3.86E-08	6.13E-08	1.08E-08	7.66E-09	2.88E-07	1.52E-07	6.46E-08	7.59E-08	2.98E-08	1.52E-07	6.46E-08
5980	482698.92	3855719	5.05E-04	4.93E-04	4.87E-04	1.75E-07	5.28E-07	3.06E-07	2.98E-07	2.70E-07	1.23E-07	1.22E-07	5.84E-09	1.41E-07	3.11E-08	4.05E-08	6.43E-08	1.13E-08	8.03E-09	3.02E-07	1.59E-07	6.77E-08	7.96E-08	3.13E-08	1.59E-07	6.77E-08
5981	482697.52	3855619	5.31E-04	5.19E-04	5.12E-04	1.84E-07	5.55E-07	3.22E-07	3.14E-07	2.84E-07	1.30E-07	1.28E-07	6.14E-09	1.48E-07	3.27E-08	4.26E-08	6.76E-08	1.19E-08	8.45E-09	3.18E-07	1.68E-07	7.12E-08	8.37E-08	3.29E-08	1.68E-07	7.12E-08
5982	482696.11	3855519	5.63E-04	5.49E-04	5.42E-04	1.95E-07	5.88E-07	3.41E-07	3.32E-07	3.01E-07	1.37E-07	1.36E-07	6.51E-09	1.57E-07	3.47E-08	4.51E-08	7.16E-08	1.26E-08	8.95E-09	3.37E-07	1.78E-07	7.54E-08	8.87E-08	3.48E-08	1.78E-07	7.54E-08
5983	482694.71	3855419	5.98E-04	5.84E-04	5.76E-04	2.07E-07	6.25E-07	3.62E-07	3.53E-07	3.20E-07	1.46E-07	1.44E-07	6.92E-09	1.67E-07	3.69E-08	4.80E-08	7.61E-08	1.34E-08	9.51E-09	3.58E-07	1.89E-07	8.01E-08	9.42E-08	3.70E-08	1.89E-07	8.01E-08
5984	482693.3	3855319	6.39E-04	6.24E-04	6.16E-04	2.21E-07	6.68E-07	3.87E-07	3.77E-07	3.42E-07	1.56E-07	1.54E-07	7.39E-09	1.79E-07	3.94E-08	5.13E-08	8.13E-08	1.43E-08	1.02E-08	3.82E-07	2.02E-07	8.56E-08	1.01E-07	3.96E-08	2.02E-07	8.56E-08
5985	482691.9	3855219	6.89E-04	6.72E-04	6.63E-04	2.38E-07	7.20E-07	4.17E-07	4.07E-07	3.69E-07	1.68E-07	1.66E-07	7.96E-09	1.92E-07	4.24E-08	5.52E-08	8.76E-08	1.54E-08	1.09E-08	4.12E-07	2.17E-07	9.22E-08	1.08E-07	4.26E-08	2.17E-07	9.22E-08
5986	482690.49	3855119	7.46E-04	7.28E-04	7.19E-04	2.58E-07	7.80E-07	4.52E-07	4.41E-07	3.99E-07	1.82E-07	1.80E-07	8.63E-09	2.08E-07	4.60E-08	5.98E-08	9.49E-08	1.67E-08	1.19E-08	4.46E-07	2.36E-07	9.99E-08	1.18E-07	4.62E-08	2.36E-07	9.99E-08
5987	482689.09	3855020	8.20E-04	8.00E-04	7.90E-04	2.84E-07	8.57E-07	4.96E-07	4.84E-07	4.39E-07	2.00E-07	1.98E-07	9.48E-09	2.29E-07	5.05E-08	6.58E-08	1.04E-07	1.84E-08	1.30E-08	4.91E-07	2.59E-07	1.10E-07	1.29E-07	5.08E-08	2.59E-07	1.10E-07

5988	482687.68	3854920	9.07E-04	8.85E-04	8.74E-04	3.14E-07	9.48E-07	5.49E-07	5.36E-07	4.86E-07	2.22E-07	2.19E-07	1.05E-08	2.53E-07	5.59E-08	7.27E-08	1.15E-07	2.03E-08	1.44E-08	5.43E-07	2.86E-07	1.22E-07	1.43E-07	5.62E-08	2.86E-07	1.22E-07
5989	482686.28	3854820	1.02E-03	9.94E-04	9.81E-04	3.53E-07	1.07E-06	6.17E-07	6.02E-07	5.45E-07	2.49E-07	2.46E-07	1.18E-08	2.85E-07	6.28E-08	8.17E-08	1.30E-07	2.28E-08	1.62E-08	6.09E-07	3.22E-07	1.36E-07	1.61E-07	6.31E-08	3.22E-07	1.36E-07
5990	482684.88	3854720	1.15E-03	1.12E-03	1.11E-03	3.98E-07	1.20E-06	6.96E-07	6.80E-07	6.16E-07	2.81E-07	2.77E-07	1.33E-08	3.21E-07	7.09E-08	9.23E-08	1.46E-07	2.58E-08	1.83E-08	6.88E-07	3.63E-07	1.54E-07	1.81E-07	7.12E-08	3.63E-07	1.54E-07
5991	482683.47	3854620	1.32E-03	1.29E-03	1.27E-03	4.57E-07	1.38E-06	7.98E-07	7.79E-07	7.06E-07	3.22E-07	3.18E-07	1.52E-08	3.68E-07	8.13E-08	1.06E-07	1.68E-07	2.96E-08	2.10E-08	7.89E-07	4.16E-07	1.77E-07	2.08E-07	8.16E-08	4.16E-07	1.77E-07
5992	482682.07	3854520	1.51E-03	1.47E-03	1.45E-03	5.22E-07	1.58E-06	9.13E-07	8.91E-07	8.07E-07	3.68E-07	3.64E-07	1.74E-08	4.21E-07	9.29E-08	1.21E-07	1.92E-07	3.38E-08	2.40E-08	9.02E-07	4.76E-07	2.02E-07	2.38E-07	9.34E-08	4.76E-07	2.02E-07
5993	482680.66	3854420	1.72E-03	1.68E-03	1.66E-03	5.96E-07	1.80E-06	1.04E-06	1.02E-06	9.21E-07	4.20E-07	4.15E-07	1.99E-08	4.80E-07	1.06E-07	1.38E-07	2.19E-07	3.86E-08	2.73E-08	1.03E-06	5.43E-07	2.30E-07	2.71E-07	1.06E-07	5.43E-07	2.30E-07
5994	482679.26	3854321	1.93E-03	1.88E-03	1.86E-03	6.67E-07	2.01E-06	1.17E-06	1.14E-06	1.03E-06	4.71E-07	4.64E-07	2.23E-08	5.38E-07	1.19E-07	1.55E-07	2.45E-07	4.32E-08	3.06E-08	1.15E-06	6.08E-07	2.58E-07	3.04E-07	1.19E-07	6.08E-07	2.58E-07
5995	482677.85	3854221	2.13E-03	2.07E-03	2.05E-03	7.36E-07	2.22E-06	1.29E-06	1.25E-06	1.14E-06	5.19E-07	5.12E-07	2.46E-08	5.93E-07	1.31E-07	1.70E-07	2.70E-07	4.76E-08	3.38E-08	1.27E-06	6.71E-07	2.85E-07	3.35E-07	1.32E-07	6.71E-07	2.85E-07
5996	482676.45	3854121	2.27E-03	2.22E-03	2.19E-03	7.87E-07	2.38E-06	1.38E-06	1.34E-06	1.22E-06	5.55E-07	5.48E-07	2.63E-08	6.35E-07	1.40E-07	1.82E-07	2.89E-07	5.10E-08	3.62E-08	1.36E-06	7.18E-07	3.05E-07	3.58E-07	1.41E-07	7.18E-07	3.05E-07
5997	482675.04	3854021	2.46E-03	2.40E-03	2.37E-03	8.51E-07	2.57E-06	1.49E-06	1.45E-06	1.32E-06	6.01E-07	5.93E-07	2.84E-08	6.87E-07	1.52E-07	1.97E-07	3.13E-07	5.51E-08	3.91E-08	1.47E-06	7.76E-07	3.29E-07	3.87E-07	1.52E-07	7.76E-07	3.29E-07
5998	482673.64	3853921	2.65E-03	2.59E-03	2.55E-03	9.18E-07	2.77E-06	1.61E-06	1.57E-06	1.42E-06	6.48E-07	6.39E-07	3.07E-08	7.41E-07	1.63E-07	2.13E-07	3.37E-07	5.95E-08	4.22E-08	1.59E-06	8.37E-07	3.55E-07	4.18E-07	1.64E-07	8.37E-07	3.55E-07
5999	482672.23	3853821	2.91E-03	2.84E-03	2.80E-03	1.01E-06	3.04E-06	1.76E-06	1.72E-06	1.56E-06	7.11E-07	7.02E-07	3.37E-08	8.13E-07	1.79E-07	2.33E-07	3.70E-07	6.53E-08	4.63E-08	1.74E-06	9.19E-07	3.90E-07	4.59E-07	1.80E-07	9.19E-07	3.90E-07
6000	482670.83	3853721	3.24E-03	3.16E-03	3.12E-03	1.12E-06	3.38E-06	1.96E-06	1.91E-06	1.73E-06	7.90E-07	7.80E-07	3.74E-08	9.03E-07	1.99E-07	2.59E-07	4.11E-07	7.25E-08	5.14E-08	1.94E-06	1.02E-06	4.33E-07	5.10E-07	2.00E-07	1.02E-06	4.33E-07
6001	482669.42	3853622	3.67E-03	3.58E-03	3.54E-03	1.27E-06	3.84E-06	2.22E-06	2.17E-06	1.97E-06	8.97E-07	8.85E-07	4.25E-08	1.03E-06	2.26E-07	2.94E-07	4.67E-07	8.23E-08	5.84E-08	2.20E-06	1.16E-06	4.92E-07	5.79E-07	2.27E-07	1.16E-06	4.92E-07
6002	482645.99	3853446	4.49E-03	4.39E-03	4.33E-03	1.56E-06	4.70E-06	2.72E-06	2.65E-06	2.41E-06	1.10E-06	1.08E-06	5.20E-08	1.25E-06	2.77E-07	3.60E-07	5.72E-07	1.01E-07	7.14E-08	2.69E-06	1.42E-06	6.02E-07	7.08E-07	2.78E-07	1.42E-06	6.02E-07
6003	482623.96	3853370	4.65E-03	4.53E-03	4.47E-03	1.61E-06	4.86E-06	2.81E-06	2.74E-06	2.49E-06	1.13E-06	1.12E-06	5.37E-08	1.30E-06	2.86E-07	3.72E-07	5.91E-07	1.04E-07	7.38E-08	2.78E-06	1.47E-06	6.22E-07	7.32E-07	2.88E-07	1.47E-06	6.22E-07
6004	482601.94	3853295	4.95E-03	4.83E-03	4.77E-03	1.71E-06	5.17E-06	2.99E-06	2.92E-06	2.65E-06	1.21E-06	1.19E-06	5.72E-08	1.38E-06	3.05E-07	3.97E-07	6.29E-07	1.11E-07	7.87E-08	2.96E-06	1.56E-06	6.63E-07	7.80E-07	3.06E-07	1.56E-06	6.63E-07
6005	482531.29	3853133	5.71E-03	5.57E-03	5.50E-03	1.98E-06	5.97E-06	3.45E-06	3.37E-06	3.05E-06	1.39E-06	1.38E-06	6.60E-08	1.59E-06	3.52E-07	4.58E-07	7.26E-07	1.28E-07	9.07E-08	3.41E-06	1.80E-06	7.64E-07	8.99E-07	3.53E-07	1.80E-06	7.64E-07
6006	482482.68	3853048	6.15E-03	6.01E-03	5.93E-03	2.13E-06	6.43E-06	3.72E-06	3.63E-06	3.29E-06	1.50E-06	1.48E-06	7.11E-08	1.72E-06	3.79E-07	4.93E-07	7.83E-07	1.38E-07	9.78E-08	3.68E-06	1.94E-06	8.24E-07	9.70E-07	3.81E-07	1.94E-06	8.24E-07
6007	482383.08	3852897	9.14E-03	8.92E-03	8.80E-03	3.16E-06	9.56E-06	5.53E-06	5.40E-06	4.89E-06	2.23E-06	2.20E-06	1.06E-07	2.55E-06	5.63E-07	7.33E-07	1.16E-06	2.05E-07	1.45E-07	5.47E-06	2.89E-06	1.22E-06	1.44E-06	5.66E-07	2.89E-06	1.22E-06
6008	482265.64	3852765	1.03E-02	1.01E-02	9.94E-03	3.57E-06	1.08E-05	6.25E-06	6.09E-06	5.52E-06	2.52E-06	2.49E-06	1.19E-07	2.88E-06	6.36E-07	8.28E-07	1.31E-06	2.31E-07	1.64E-07	6.17E-06	3.26E-06	1.38E-06	1.63E-06	6.39E-07	3.26E-06	1.38E-06
6009	482199.16	3852698	1.02E-02	9.97E-03	9.84E-03	3.54E-06	1.07E-05	6.18E-06	6.03E-06	5.47E-06	2.50E-06	2.46E-06	1.18E-07	2.85E-06	6.30E-07	8.19E-07	1.30E-06	2.29E-07	1.62E-07	6.11E-06	3.23E-06	1.37E-06	1.61E-06	6.32E-07	3.23E-06	1.37E-06
6010	482132.69	3852630	1.00E-02	9.79E-03	9.66E-03	3.47E-06	1.05E-05	6.07E-06	5.92E-06	5.37E-06	2.45E-06	2.42E-06	1.16E-07	2.80E-06	6.18E-07	8.04E-07	1.28E-06	2.25E-07	1.59E-07	6.00E-06	3.17E-06	1.34E-06	1.58E-06	6.21E-07	3.17E-06	1.34E-06
6011	482066.21	3852562	9.93E-03	9.69E-03	9.57E-03	3.44E-06	1.04E-05	6.01E-06	5.87E-06	5.32E-06	2.43E-06	2.39E-06	1.15E-07	2.77E-06	6.12E-07	7.96E-07	1.26E-06	2.23E-07	1.58E-07	5.94E-06	3.14E-06	1.33E-06	1.56E-06	6.15E-07	3.14E-06	1.33E-06
6012	481999.74	3852495	9.76E-03	9.52E-03	9.39E-03	3.38E-06	1.02E-05	5.90E-06	5.76E-06	5.22E-06	2.38E-06	2.35E-06	1.13E-07	2.72E-06	6.01E-07	7.82E-07	1.24E-06	2.19E-07	1.55E-07	5.83E-06	3.08E-06	1.31E-06	1.54E-06	6.04E-07	3.08E-06	1.31E-06
6013	481933.26	3852427	9.48E-03	9.25E-03	9.12E-03	3.28E-06	9.91E-06	5.73E-06	5.60E-06	5.07E-06	2.31E-06	2.28E-06	1.10E-07	2.65E-06	5.84E-07	7.60E-07	1.21E-06	2.12E-07	1.51E-07	5.67E-06	2.99E-06	1.27E-06	1.49E-06	5.86E-07	2.99E-06	1.27E-06
6014	481866.79	3852360	9.42E-03	9.19E-03	9.07E-03	3.26E-06	9.84E-06	5.70E-06	5.56E-06	5.04E-06	2.30E-06	2.27E-06	1.09E-07	2.63E-06	5.80E-07	7.55E-07	1.20E-06	2.11E-07	1.50E-07	5.63E-06	2.97E-06	1.26E-06	1.48E-06	5.83E-07	2.97E-06	1.26E-06
6015	481800.31	3852292	9.17E-03	8.95E-03	8.83E-03	3.17E-06	9.59E-06	5.55E-06	5.41E-06	4.91E-06	2.24E-06	2.21E-06	1.06E-07	2.56E-06	5.65E-07	7.35E-07	1.17E-06	2.06E-07	1.46E-07	5.48E-06	2.89E-06	1.23E-06	1.44E-06	5.68E-07	2.89E-06	1.23E-06
6016	481733.84	3852225	9.00E-03	8.78E-03	8.67E-03	3.12E-06	9.41E-06	5.45E-06	5.32E-06	4.82E-06	2.20E-06	2.17E-06	1.04E-07	2.51E-06	5.55E-07	7.22E-07	1.14E-06	2.02E-07	1.43E-07	5.38E-06	2.84E-06	1.21E-06	1.42E-06	5.57E-07	2.84E-06	1.21E-06
6017	481667.36	3852157	9.00E-03	8.78E-03	8.66E-03	3.11E-06	9.40E-06	5.44E-06	5.31E-06	4.81E-06	2.20E-06	2.17E-06	1.04E-07	2.51E-06	5.54E-07	7.21E-07	1.14E-06	2.02E-07	1.43E-07	5.38E-06	2.84E-06	1.20E-06	1.42E-06	5.57E-07	2.84E-06	1.20E-06
6018	481600.89	3852089	8.81E-03	8.60E-03	8.48E-03	3.05E-06	9.21E-06	5.33E-06	5.20E-06	4.72E-06	2.15E-06	2.12E-06	1.02E-07	2.46E-06	5.43E-07	7.06E-07	1.12E-06	1.97E-07	1.40E-07	5.27E-06	2.78E-06	1.18E-06	1.39E-06	5.45E-07	2.78E-06	1.18E-06
6019	481534.41	3852022	8.75E-03	8.54E-03	8.43E-03	3.03E-06	9.15E-06	5.30E-06	5.17E-06	4.68E-06	2.14E-06	2.11E-06	1.01E-07	2.44E-06	5.39E-07	7.02E-07	1.11E-06	1.96E-07	1.39E-07	5.23E-06	2.76E-06	1.17E-06	1.38E-06	5.42E-07	2.76E-06	1.17E-06
6020	481467.94	3851954	8.69E-03	8.48E-03	8.36E-03	3.01E-06	9.08E-06	5.26E-06	5.13E-06	4.65E-06	2.12E-06	2.09E-06	1.00E-07	2.43E-06	5.35E-07	6.96E-07	1.10E-06	1.95E-07	1.38E-07	5.20E-06	2.74E-06	1.16E-06	1.37E-06	5.38E-07	2.74E-06	1.16E-06
6021	481401.46	3851887	8.66E-03	8.45E-03	8.34E-03	3.00E-06	9.05E-06	5.24E-06	5.11E-06	4.64E-06	2.12E-06	2.09E-06	1.00E-07	2.42E-06	5.34E-07	6.94E-07	1.10E-06	1.94E-07	1.38E-07	5.18E-06	2.73E-06	1.16E-06	1.36E-06	5.36E-07	2.73E-06	1.16E-06
6022	481265.87	3851761	7.60E-03	7.42E-03	7.32E-03	2.63E-06	7.94E-06	4.60E-06	4.49E-06	4.07E-06	1.86E-06	1.83E-06	8.79E-08	2.12E-06	4.68E-07	6.09E-07	9.67E-07	1.70E-07	1.21E-07	4.55E-06	2.40E-06	1.02E-06	1.20E-06	4.70E-07	2.40E-06	1.02E-06
6023	481196.74	3851704	7.09E-03	6.92E-03	6.83E-03	2.46E-06	7.41E-06	4.29E-06	4.19E-06	3.80E-06	1.73E-06	1.71E-06	8.20E-08	1.98E-06	4.37E-07	5.69E-07	9.02E-07	1.59E-07	1.13E-07	4.24E-06	2.24E-06	9.50E-07	1.12E-06	4.39E-07	2.24E-06	9.50E-07
6024	481076.33	3851619	6.86E-03	6.70E-03	6.61E-03	2.38E-06	7.17E-06	4.15E-06	4.05E-06	3.67E-06	1.68E-06	1.65E-06	7.93E-08	1.92E-06	4.23E-07	5.50E-07	8.73E-07	1.54E-07	1.09E-07	4.10E-06	2.17E-06	9.19E-07	1.08E-06	4.25E-07	2.17E-06	9.19E-07
6025	480939.8	3851549	6.64E-03	6.48E-03	6.39E-03	2.30E-06	6.94E-06	4.01E-06	3.92E-06	3.55E-06	1.62E-06	1.60E-06	7.67E-08	1.85E-06	4.09E-07	5.32E-07	8.44E-07	1.49E-07	1.05E-07	3.97E-06	2.09E-06	8.89E-07	1.05E-06	4.11E-07	2.09E-06	8.89E-07
6026	480854.56	3851506	6.68E-03	6.52E-03	6.43E-03	2.31E-06	6.98E-06	4.04E-06	3.94E-06	3.57E-06	1.63E-06	1.61E-06	7.72E-08	1.86E-06	4.11E-07	5.35E-07	8.49E-07	1.50E-07	1.06E-07	3.99E-06	2.11E-06	8.94E-07	1.05E-06	4.13E-07	2.11E-06	8.94E-07
6027	480769.32	3851464	6.77E-03	6.61E-03	6.52E-03	2.34E-06	7.08E-06	4.10E-06	4.00E-06	3.62E-06	1.65E-06	1.63E-06	7.83E-08	1.89E-06	4.17E-07	5.43E-07	8.61E-07	1.52E-07	1.08E-07	4.05E-06	2.14E-06	9.07E-07	1.07E-06	4.19E-07	2.14E-06	9.07E-07
6028	480684.08	3851421	6.87E-03	6.70E-03	6.62E-03	2.38E-06	7.18E-06	4.16E-06	4.06E-06	3.68E-06	1.68E-06	1.66E-06	7.94E-08	1.92E-06	4.23E-07	5.51E-07	8.74E-07	1.54E-07	1.09E-07	4.11E-06	2.17E-06	9.20E-07	1.08E-06	4.25E-07	2.17E-06	9.20E-07
6029	480598.84	3851378	6.89E-03	6.73E-03	6.64E-03	2.39E-06	7.20E-06	4.17E-06	4.07E-06	3.69E-06	1.68E-06	1.66E-06	7.97E-08	1.92E-06	4.25E-07	5.52E-07	8.76E-07	1.54E-07	1.10E-07	4.12E-06	2.18E-06	9.23E-07	1.09E-06	4.27E-07	2.18E-06	9.23E-07
6030	480435.71	3851275	9.39E-03	9.17E-03	9.04E-03	3.25E-06	9.82E-06	5.68E-06	5.55E-06	5.03E-06	2.29E-06	2.26E-06	1.09E-07	2.62E-06	5.79E-07	7.53E-07	1.19E-06	2.11E-07	1.49E-07	5.62E-06	2.96E-06	1.26E-06	1.48E-06	5.81E-07	2.96E-06	1.26E-06
6031	480347.85	3851232	9.29E-03	9.07E-03	8.95E-03	3.22E-06	9.71E-06	5.62E-06	5.49E-06	4.97E-06	2.27E-06	2.24E-06	1.07E-07	2.59E-06	5.73E-07	7.45E-07	1.18E-06	2.08E-07	1.48E-07	5.56E-06	2.93E-06	1.24E-06	1.46E-06	5.75E-07	2.93E-06	1.24E-06
6032	480260	3851190	9.19E-03	8.97E-03	8.85E-03	3.18E-06	9.61E-06	5.56E-06	5.43E-06	4.92E-06	2.24E-06	2.21E-06	1.06E-07	2.57E-06	5.66E-07	7.37E-07	1.17E-06	2.06E-07	1.46E-07	5.50E-06	2.90E-06	1.23E-06	1.45E-06	5.69E-07	2.90E-06	1.23E-06
6033	480172.15	3851147	9.11E-03	8.89E-03	8.77E-03	3.15E-06	9.52E-06	5.51E-06	5.38E-06	4.87E-06	2.22E-06	2.19E-06	1.05E-07	2.54E-06	5.61E-07	7.30E-07	1.16E-06	2.04E-07	1.45E-07	5.45E-06	2.87E-06	1.22E-06	1.43E-06	5.64E-07	2.87E-06	1.22E-06
6034	480084.29	3851104	9.02E-03	8.80E-03	8.69E-03	3.12E-06	9.43E-06	5.46E-06	5.33E-06	4.83E-06	2.20E-06	2.17E-06	1.04E-07	2.52E-06	5.56E-07	7.23E-07	1.15E-06	2.02E-07	1.43E-07	5.40E-06	2.85E-06	1.21E-06	1.42E-06	5.58E-07	2.85E-06	1.21E-06
6035	479996.44	3851062	8.96E-03	8.75E-03	8.63E-03	3.10E-06	9.37E-06	5.42E-06	5.29E-06	4.80E-06	2.19E-06	2.16E-06	1.04E-07	2.50E-06	5.52E-07	7.18E-07	1.14E-06	2.01E-07	1.42E-07	5.36E-06	2.83E-06	1.20E-06	1.41E-06	5.55E-07	2.83E-06	1.20E-06
6036	479908.58	3851019	9.13E-03	8.91E-03	8.79E-03	3.16E-06	9.55E-06	5.53E-06	5.39E-06	4.89E-06	2.23E-06	2.20E-06	1.06E-07	2.55E-06	5.63E-07	7.32E-07	1.16E-06	2.05E-07	1.45E-07	5.46E-06	2.88E-06	1.22E-06	1.44E-06	5.65E-07	2.88E-06	1.22E-06
6037	479820.73	3850976	9.06E-03	8.84E-03	8.72E-03	3.14E-06	9.47E-06	5.48E-06	5.35E-06	4.85E-06	2.21E-06	2.18E-06	1.05E-07	2.53E-06	5.58E-07	7.26E-07	1.15E-06	2.03E-07	1.44E-07	5.42E-06	2.86E-06	1.21E-06	1.43E-06	5.61E-07	2.86E-06	1.21E-06
6038	479732.88	3850934	8.99E-03	8.78E-03	8.66E-03	3.11E-06	9.40E-06	5.44E-06	5.31E-06	4.81E-06	2.20E-06	2.17E-06	1.04E-07	2.51E-06	5.54E-07	7.21E-07	1.14E-06	2.02E-07	1.43E-07	5.38E-06	2.84E-06	1.20E-06	1.42E-06	5.57E-07	2.84E-06	1.20E-06
6039	479645.02	3850891	8.97E-03	8.75E-03	8.64E-03	3.11E-06	9.38E-06	5.43E-06	5.30E-06	4.80E-06	2.19E-06	2.16E-06	1.04E-07	2.50E-06	5.53E-07	7.19E-07	1.14E-06	2.01E-07	1.43E-07	5.36E-06	2.83E-06	1.20E-06	1.41E-06	5.55E-07	2.83E-06	1.20E-06
6040	479557.17	3850849	8.89E-03	8.68E-03	8.56E-03	3.08E-06	9.30E-06	5.38E-06	5.25E-06	4.76E-06	2.17E-06	2.14E-06	1.03E-07	2.48E-06	5.48E-07	7.13E-07	1.13E-06	1.99E-07	1.41E-07	5.32E-06	2.81E-06	1.19E-06	1.40E-06	5.50E-07	2.81E-06	1.19E-06
6041	479469.32	3850806	8.98E-03	8.76E-03	8.64E-03	3.11E-06	9.38E-06	5.43E-06	5.30E-06	4.80E-06	2.19E-06	2.16E-06	1.04E-07	2.51E-06	5.53E-07	7.20E-07	1.14E-06	2.01E-07	1.43E-07	5.37E-06	2.83E-06	1.20E-06	1.41E-06	5.56E-07	2.83E-06	1.20E-06
6042	479381.46	3850763	8.89E-03	8.67E-03	8.56E-03	3.08E-06	9.29E-06	5.38E-06	5.25E-06	4.76E-06	2.17E-06	2.14E-06	1.03E-07	2.48E-06	5.48E-07	7.12E-07	1.13E-06	1.99E-07	1.41E-07	5.32E-06	2.81E-06	1.19E-06	1.40E-06	5.50E-07	2.81E-06	1.19E-06
6043	479293.61	3850721	8.73E-03	8.52E-03	8.40E-03	3.02E-06	9.12E-06	5.28E-06	5.15E-06	4.67E-06	2.13E-06	2.10E-06	1.01E-07	2.44E-06	5.38E-07	7.00E-07	1.11E-06	1.96E-07	1.39E-07	5.22E-06	2.75E-06	1.17E-06	1.38E-06	5.40E-07	2.75E-06	1.17E-06
6044	479205.76	3850678	8.61E-03	8.41E-03	8.29E-03	2.98E-06	9.00E-06	5.21E-06	5.09E-06	4.61E-06	2.10E-06	2.08E-06	9.96E-08	2.41E-06	5.31E-07	6.91E-07	1.10E-06	1.93E-07	1.37E-07	5.15E-06	2.72E-06	1.15E-06	1.36E-06	5.33E-07	2.72E-06	1.15E-06
6045	479117.9	3850635	8.32E-03	8.12E-03	8.01E-03	2.88E-06	8.70E-06	5.04E-06	4.91E-06	4.45E-06	2.03E-06	2.01E-06	9.62E-08	2.32E-06	5.13E-07	6.67E-07	1.06E-06	1.87E-07	1.32E-07	4.98E-06	2.63E-06	1.11E-06	1.31E-06	5.15E-07	2.63E-06	1.11E-06
6046	479030.05	3850593	8.07E-03	7.88E-03	7.77E-03	2.79E-06	8.44E-06	4.88E-06	4.76E-06	4.32E-06	1.97E-06	1.94E-06	9.33E-08	2.25E-06	4.97E-07	6.47E-07	1.03E-06	1.81E-07	1.28E-07	4.83E-06	2.55E-06	1.08E-06	1.27E-06	4.99E-07	2.55E-06	1.08E-06
6047	478942.19	3850550	8.20E-03	8.01E-03	7.90E-03	2.84E-06	8.58E-06	4.96E-06	4.84E-06	4.39E-06	2.00E-06	1.98E-06	9.48E-08	2.29E-06	5.06E-07	6.58E-07	1.04E-06	1.84E-07	1.30E-07	4.91E-06	2.59E-06	1.10E-06	1.29E-06	5.08E-07	2.59E-06	1.10E-06
6048	478854.34	3850507	8.76E-03	8.55E-03	8.43E-03	3.03E-06	9.15E-06	5.30E-06	5.17E-06	4.69E-06	2.14E-06	2.11E-06	1.01E-07	2.45E-06	5.40E-07	7.02E-07	1.11E-06	1.96E-07	1.39E-07	5.24E-06	2.76E-06	1.17E-06	1.38E-06	5.42E-07	2.76E-06	1.17E-06
6049	478766.49	3850465	8.78E-03	8.57E-03	8.46E-03	3.04E-06	9.18E-06	5.31E-06	5.18E-06	4.70E-06	2.14E-06	2.12E-06	1.02E-07	2.45E-06	5.41E-07	7.04E-07	1.12E-06	1.97E-07	1.40E-07	5.25E-06	2.77E-06	1.18E-06	1.38E-06	5.43E-07	2.77E-06	1.18E-06
6050	478678.63	3850422	8.76E-03	8.55E-03	8.43E-03	3.03E-06	9.16E-06	5.30E-06	5.17E-06	4.69E-06	2.14E-06	2.11E-06	1.01E-07	2.45E-06	5.40E-07	7.02E-07	1.11E-06	1.96E-07	1.39E-07	5.24E-06	2.76E-06	1.17E-06	1.38E-06	5.42E-07	2.76E-06	1.17E-06
6051	478590.78	3850379	8.77E-03	8.55E-03	8.44E-03	3.03E-06	9.16E-06	5.30E-06	5.18E-06	4.69E-06	2.14E-06	2.11E-06	1.01E-07	2.45E-06	5.40E-07	7.03E-07	1.11E-06	1.96E-07	1.39E-07	5.24E-06	2.77E-06	1.17E-06	1.38E-06	5.43E-07	2.77E-06	1.17E-06
6052	478502.93	3850337	8.74E-03	8.52E-03	8.41E-03	3.02E-06	9.13E-06	5.29E-06	5.16E-06	4.68E-06	2.13E-06	2.11E-06	1.01E-07	2.44E-06	5.38E-07	7.00E-07	1.11E-06	1.96E-07	1.39E-07	5.22E-06	2.76E-06	1.17E-06	1.38E-06	5.41E-07	2.76E-06	1.17E-06
6053	478415.07	3850294	8.64E-03	8.43E-03	8.32E-03	2.99E-06	9.03E-06	5.23E-06	5.10E-06	4.63E-06	2.11E-06	2.08E-06	9.99E-08	2.41E-06	5.32E-07	6.93E-07	1.10E-06	1.94E-07	1.37E-07	5.17E-06	2.73E-06	1.16E-06	1.36E-06	5.35E-07	2.73E-06	1.16E-06
6054	478327.22	3850251	8.69E-03	8.47E-03	8.36E-03	3.01E-06	9.08E-06	5.26E-06	5.13E-06	4.65E-06	2.12E-06	2.09E-06	1.00E-07	2.43E-06	5.35E-07	6.96E-07	1.10E-06	1.95E-07	1.38E-07	5.19E-06	2.74E-06	1.16E-06	1.37E-06	5.38E-07	2.74E-06	1.16E-06
6055	478239.36	3850209	8.69E-03	8.47E-03	8.36E-03	3.01E-06	9.08E-06	5.26E-06	5.13E-06	4.65E-06	2.12E-06	2.09E-06	1.00E-07	2.43E-06	5.35E-07	6.96E-07	1.10E-06	1.95E-07	1.38E-07	5.19E-06	2.74E-06	1.16E-06	1.37E-06	5.38E-07	2.74E-06	1.16E-06
6056	478151.51	3850166	8.66E-03	8.45E-03	8.34E-03	3.00E-06	9.05E-06	5.24E-06	5.11E-06	4.64E-06	2.12E-06	2.09E-06	1.00E-07	2.42E-06	5.34E-07	6.94E-07	1.10E-06	1.94E-07	1.38E-07	5.18E-06	2.73E-06	1.16E-06	1.36E-06	5.36E-07	2.73E-06	1.16E-06
6057	478063.66	3850124	8.61E-03	8.41E-03	8.29E-03	2.98E-06	9.00E-06	5.21E-06	5.09E-06	4.61E-06	2.10E-06	2.08E-06	9.96E-08	2.41E-06	5.31E-07	6.91E-07	1.10E-06	1.93E-07	1.37E-07	5.15E-06	2.72E-06	1.15E-06	1.36E-06	5.33E-07	2.72E-06	1.15E-06
6058	477975.8	3850081	8.40E-03	8.19E-03	8.09E-03	2.91E-06	8.78E-06	5.08E-06	4.96E-06	4.49E-06	2.05E-06	2.02E-06	9.71E-08	2.34E-06	5.17E-07	6.73E-07	1.07E-06	1.88E-07	1.33E-07	5.02E-06	2.65E-06	1.12E-06	1.32E-06	5.20E-07	2.65E-06	1.12E-06
6059	477887.95	3850038	8.35E-03	8.15E-03	8.04E-03	2.89E-06	8.73E-06	5.05E-06	4.93E-06	4.47E-06	2.04E-06	2.01E-06	9.65E-08	2.33E-06	5.14E-07	6.69E-07	1.06E-06	1.87E-07	1.33E-07	4.99E-06	2.64E-06	1.12E-06	1.32E-06	5.17E-07	2.64E-06	1.12E-06
6060	477800.1	3849996	8.22E-03	8.02E-03	7.91E-03	2.85E-06	8.59E-06	4.97E-06	4.85E-06	4.40E-06	2.01E-06	1.98E-06	9.50E-08	2.29E-06	5.06E-07	6.59E-07	1.05E-06	1.84E-07	1.31E-07	4.92E-06	2.59E-06	1.10E-06	1.29E-06	5.09E-07	2.59E-06	1.10E-06
6061	477712.24	3849953	8.24E-03	8.04E-03	7.93E-03	2.85E-06	8.61E-06	4.99E-06	4.87E-06	4.41E-06	2.01E-06	1.99E-06	9.53E-08	2.30E-06	5.08E-07	6.61E-07	1.05E-06	1.85E-07	1.31E-07	4.93E-06	2.60E-06	1.10E-06	1.30E-06	5.10E-07	2.60E-06	1.10E-06

6062	477624.39	3849910	8.22E-03	8.03E-03	7.92E-03	2.85E-06	8.60E-06	4.98E-06	4.86E-06	4.40E-06	2.01E-06	1.98E-06	9.51E-08	2.30E-06	5.07E-07	6.59E-07	1.05E-06	1.84E-07	1.31E-07	4.92E-06	2.60E-06	1.10E-06	1.30E-06	5.09E-07	2.60E-06	1.10E-06
6063	477536.54	3849868	8.10E-03	7.91E-03	7.80E-03	2.81E-06	8.47E-06	4.90E-06	4.78E-06	4.34E-06	1.98E-06	1.95E-06	9.37E-08	2.26E-06	4.99E-07	6.50E-07	1.03E-06	1.82E-07	1.29E-07	4.85E-06	2.56E-06	1.09E-06	1.28E-06	5.02E-07	2.56E-06	1.09E-06
6064	477448.68	3849825	8.06E-03	7.87E-03	7.76E-03	2.79E-06	8.43E-06	4.88E-06	4.76E-06	4.32E-06	1.97E-06	1.94E-06	9.32E-08	2.25E-06	4.97E-07	6.46E-07	1.03E-06	1.81E-07	1.28E-07	4.82E-06	2.54E-06	1.08E-06	1.27E-06	4.99E-07	2.54E-06	1.08E-06
6065	477360.83	3849782	7.98E-03	7.79E-03	7.69E-03	2.76E-06	8.34E-06	4.83E-06	4.71E-06	4.27E-06	1.95E-06	1.92E-06	9.23E-08	2.23E-06	4.92E-07	6.40E-07	1.02E-06	1.79E-07	1.27E-07	4.77E-06	2.52E-06	1.07E-06	1.26E-06	4.94E-07	2.52E-06	1.07E-06
6066	477272.97	3849740	7.85E-03	7.66E-03	7.56E-03	2.72E-06	8.21E-06	4.75E-06	4.64E-06	4.20E-06	1.92E-06	1.89E-06	9.08E-08	2.19E-06	4.84E-07	6.30E-07	9.99E-07	1.76E-07	1.25E-07	4.70E-06	2.48E-06	1.05E-06	1.24E-06	4.86E-07	2.48E-06	1.05E-06
6067	477185.12	3849697	7.82E-03	7.63E-03	7.52E-03	2.71E-06	8.17E-06	4.73E-06	4.61E-06	4.18E-06	1.91E-06	1.88E-06	9.03E-08	2.18E-06	4.82E-07	6.26E-07	9.94E-07	1.75E-07	1.24E-07	4.67E-06	2.47E-06	1.05E-06	1.23E-06	4.84E-07	2.47E-06	1.05E-06
6068	477097.27	3849654	7.90E-03	7.71E-03	7.61E-03	2.73E-06	8.26E-06	4.78E-06	4.66E-06	4.23E-06	1.93E-06	1.90E-06	9.13E-08	2.21E-06	4.87E-07	6.33E-07	1.00E-06	1.77E-07	1.26E-07	4.72E-06	2.49E-06	1.06E-06	1.24E-06	4.89E-07	2.49E-06	1.06E-06
6069	477009.41	3849612	8.15E-03	7.95E-03	7.84E-03	2.82E-06	8.51E-06	4.93E-06	4.81E-06	4.36E-06	1.99E-06	1.96E-06	9.42E-08	2.27E-06	5.02E-07	6.53E-07	1.04E-06	1.83E-07	1.29E-07	4.87E-06	2.57E-06	1.09E-06	1.28E-06	5.04E-07	2.57E-06	1.09E-06
6070	476841.49	3849530	8.20E-03	8.00E-03	7.89E-03	2.84E-06	8.57E-06	4.96E-06	4.84E-06	4.39E-06	2.00E-06	1.97E-06	9.47E-08	2.29E-06	5.05E-07	6.57E-07	1.04E-06	1.84E-07	1.30E-07	4.90E-06	2.59E-06	1.10E-06	1.29E-06	5.07E-07	2.59E-06	1.10E-06
6071	476761.41	3849491	8.18E-03	7.99E-03	7.88E-03	2.83E-06	8.55E-06	4.95E-06	4.83E-06	4.38E-06	2.00E-06	1.97E-06	9.46E-08	2.29E-06	5.04E-07	6.56E-07	1.04E-06	1.83E-07	1.30E-07	4.89E-06	2.58E-06	1.10E-06	1.29E-06	5.07E-07	2.58E-06	1.10E-06
6072	476681.34	3849452	8.39E-03	8.18E-03	8.07E-03	2.90E-06	8.77E-06	5.07E-06	4.95E-06	4.49E-06	2.05E-06	2.02E-06	9.69E-08	2.34E-06	5.17E-07	6.72E-07	1.07E-06	1.88E-07	1.33E-07	5.02E-06	2.65E-06	1.12E-06	1.32E-06	5.19E-07	2.65E-06	1.12E-06
6073	476601.26	3849413	8.80E-03	8.59E-03	8.47E-03	3.05E-06	9.20E-06	5.32E-06	5.20E-06	4.71E-06	2.15E-06	2.12E-06	1.02E-07	2.46E-06	5.42E-07	7.05E-07	1.12E-06	1.97E-07	1.40E-07	5.26E-06	2.78E-06	1.18E-06	1.39E-06	5.45E-07	2.78E-06	1.18E-06
6074	476456.32	3849354	1.01E-02	9.89E-03	9.76E-03	3.51E-06	1.06E-05	6.13E-06	5.99E-06	5.43E-06	2.48E-06	2.44E-06	1.17E-07	2.83E-06	6.25E-07	8.13E-07	1.29E-06	2.27E-07	1.61E-07	6.06E-06	3.20E-06	1.36E-06	1.60E-06	6.27E-07	3.20E-06	1.36E-06
6075	476305.43	3849319	9.72E-03	9.48E-03	9.35E-03	3.36E-06	1.02E-05	5.88E-06	5.74E-06	5.20E-06	2.37E-06	2.34E-06	1.12E-07	2.71E-06	5.99E-07	7.79E-07	1.24E-06	2.18E-07	1.54E-07	5.81E-06	3.07E-06	1.30E-06	1.53E-06	6.01E-07	3.07E-06	1.30E-06
6076	476129.36	3849290	8.83E-03	8.61E-03	8.50E-03	3.06E-06	9.22E-06	5.34E-06	5.21E-06	4.72E-06	2.16E-06	2.13E-06	1.02E-07	2.46E-06	5.44E-07	7.07E-07	1.12E-06	1.98E-07	1.40E-07	5.28E-06	2.79E-06	1.18E-06	1.39E-06	5.46E-07	2.79E-06	1.18E-06
6077	476039.31	3849276	8.51E-03	8.30E-03	8.19E-03	2.94E-06	8.89E-06	5.15E-06	5.02E-06	4.55E-06	2.08E-06	2.05E-06	9.83E-08	2.38E-06	5.24E-07	6.82E-07	1.08E-06	1.91E-07	1.35E-07	5.09E-06	2.68E-06	1.14E-06	1.34E-06	5.26E-07	2.68E-06	1.14E-06
6078	475949.26	3849261	8.61E-03	8.41E-03	8.29E-03	2.98E-06	9.00E-06	5.21E-06	5.09E-06	4.61E-06	2.10E-06	2.08E-06	9.96E-08	2.41E-06	5.31E-07	6.91E-07	1.10E-06	1.93E-07	1.37E-07	5.15E-06	2.72E-06	1.15E-06	1.36E-06	5.33E-07	2.72E-06	1.15E-06
6079	475859.21	3849247	8.16E-03	7.96E-03	7.85E-03	2.82E-06	8.53E-06	4.94E-06	4.82E-06	4.37E-06	1.99E-06	1.97E-06	9.43E-08	2.28E-06	5.03E-07	6.54E-07	1.04E-06	1.83E-07	1.30E-07	4.88E-06	2.57E-06	1.09E-06	1.28E-06	5.05E-07	2.57E-06	1.09E-06
6080	475769.16	3849233	7.81E-03	7.62E-03	7.52E-03	2.70E-06	8.17E-06	4.73E-06	4.61E-06	4.18E-06	1.91E-06	1.88E-06	9.03E-08	2.18E-06	4.81E-07	6.26E-07	9.94E-07	1.75E-07	1.24E-07	4.67E-06	2.47E-06	1.05E-06	1.23E-06	4.84E-07	2.47E-06	1.05E-06
6081	475585.22	3849219	4.56E-03	4.45E-03	4.39E-03	1.58E-06	4.76E-06	2.76E-06	2.69E-06	2.44E-06	1.11E-06	1.10E-06	5.27E-08	1.27E-06	2.81E-07	3.65E-07	5.79E-07	1.02E-07	7.24E-08	2.73E-06	1.44E-06	6.10E-07	7.18E-07	2.82E-07	1.44E-06	6.10E-07
6082	475444.49	3849150	8.99E-03	8.77E-03	8.65E-03	3.11E-06	9.39E-06	5.44E-06	5.31E-06	4.81E-06	2.19E-06	2.17E-06	1.04E-07	2.51E-06	5.54E-07	7.20E-07	1.14E-06	2.01E-07	1.43E-07	5.37E-06	2.84E-06	1.20E-06	1.42E-06	5.56E-07	2.84E-06	1.20E-06
6083	475334.17	3849119	7.48E-03	7.30E-03	7.20E-03	2.59E-06	7.81E-06	4.52E-06	4.41E-06	4.00E-06	1.83E-06	1.80E-06	8.64E-08	2.09E-06	4.61E-07	5.99E-07	9.51E-07	1.68E-07	1.19E-07	4.47E-06	2.36E-06	1.00E-06	1.18E-06	4.63E-07	2.36E-06	1.00E-06
6084	475230.46	3849061	8.80E-03	8.58E-03	8.47E-03	3.04E-06	9.19E-06	5.32E-06	5.19E-06	4.71E-06	2.15E-06	2.12E-06	1.02E-07	2.46E-06	5.42E-07	7.05E-07	1.12E-06	1.97E-07	1.40E-07	5.26E-06	2.78E-06	1.18E-06	1.39E-06	5.44E-07	2.78E-06	1.18E-06
6085	475110.86	3848961	1.02E-02	9.93E-03	9.80E-03	3.52E-06	1.06E-05	6.16E-06	6.01E-06	5.45E-06	2.48E-06	2.45E-06	1.18E-07	2.84E-06	6.27E-07	8.16E-07	1.29E-06	2.28E-07	1.62E-07	6.08E-06	3.21E-06	1.36E-06	1.60E-06	6.30E-07	3.21E-06	1.36E-06
6086	475037.79	3848896	1.07E-02	1.04E-02	1.03E-02	3.69E-06	1.11E-05	6.45E-06	6.30E-06	5.71E-06	2.60E-06	2.57E-06	1.23E-07	2.98E-06	6.57E-07	8.55E-07	1.36E-06	2.39E-07	1.70E-07	6.38E-06	3.37E-06	1.43E-06	1.68E-06	6.60E-07	3.37E-06	1.43E-06
6087	474964.72	3848832	1.11E-02	1.08E-02	1.07E-02	3.84E-06	1.16E-05	6.72E-06	6.56E-06	5.94E-06	2.71E-06	2.68E-06	1.28E-07	3.10E-06	6.84E-07	8.90E-07	1.41E-06	2.49E-07	1.77E-07	6.64E-06	3.50E-06	1.49E-06	1.75E-06	6.87E-07	3.50E-06	1.49E-06
6088	474891.65	3848767	1.14E-02	1.11E-02	1.09E-02	3.94E-06	1.19E-05	6.88E-06	6.71E-06	6.09E-06	2.78E-06	2.74E-06	1.31E-07	3.17E-06	7.01E-07	9.11E-07	1.45E-06	2.55E-07	1.81E-07	6.80E-06	3.59E-06	1.52E-06	1.79E-06	7.04E-07	3.59E-06	1.52E-06
6089	474818.58	3848702	1.18E-02	1.15E-02	1.14E-02	4.09E-06	1.24E-05	7.15E-06	6.98E-06	6.33E-06	2.89E-06	2.85E-06	1.37E-07	3.30E-06	7.28E-07	9.48E-07	1.50E-06	2.65E-07	1.88E-07	7.07E-06	3.73E-06	1.58E-06	1.86E-06	7.32E-07	3.73E-06	1.58E-06
6090	474745.51	3848638	1.14E-02	1.11E-02	1.10E-02	3.95E-06	1.19E-05	6.91E-06	6.74E-06	6.11E-06	2.79E-06	2.75E-06	1.32E-07	3.19E-06	7.03E-07	9.15E-07	1.45E-06	2.56E-07	1.81E-07	6.83E-06	3.60E-06	1.53E-06	1.80E-06	7.07E-07	3.60E-06	1.53E-06
6091	474672.44	3848573	1.17E-02	1.14E-02	1.13E-02	4.05E-06	1.22E-05	7.08E-06	6.90E-06	6.26E-06	2.86E-06	2.82E-06	1.35E-07	3.27E-06	7.20E-07	9.37E-07	1.49E-06	2.62E-07	1.86E-07	6.99E-06	3.69E-06	1.57E-06	1.84E-06	7.24E-07	3.69E-06	1.57E-06
6092	474599.37	3848508	1.24E-02	1.21E-02	1.20E-02	4.30E-06	1.30E-05	7.52E-06	7.33E-06	6.65E-06	3.03E-06	2.99E-06	1.44E-07	3.47E-06	7.65E-07	9.96E-07	1.58E-06	2.78E-07	1.97E-07	7.43E-06	3.92E-06	1.66E-06	1.96E-06	7.69E-07	3.92E-06	1.66E-06
6093	474526.3	3848443	1.28E-02	1.25E-02	1.23E-02	4.43E-06	1.34E-05	7.74E-06	7.55E-06	6.85E-06	3.12E-06	3.08E-06	1.48E-07	3.57E-06	7.88E-07	1.03E-06	1.63E-06	2.87E-07	2.03E-07	7.65E-06	4.04E-06	1.71E-06	2.01E-06	7.92E-07	4.04E-06	1.71E-06

			No Project	With Project	Net Change	Student NP	Student WP	Net Change	Worker NP	Worker WP	Net Change	Park NP	Park WP	Net Change
Rec#	X	Y	Risk	Risk	Risk	Risk	Risk	Risk	Risk	Risk	Risk	Risk	Risk	Risk
1	485973.6	3854936.51	7.22E-07	6.63E-07	-5.94E-08	1.59E-07	1.48E-07	-1.03E-08	7.33E-08	6.86E-08	-4.74E-09	1.59E-07	1.48E-07	-1.03E-08
2	486023.6	3854936.51	7.10E-07	6.41E-07	-6.86E-08	1.56E-07	1.44E-07	-1.24E-08	7.21E-08	6.63E-08	-5.72E-09	1.56E-07	1.44E-07	-1.24E-08
3	486073.6	3854936.51	7.00E-07	6.23E-07	-7.66E-08	1.54E-07	1.40E-07	-1.42E-08	7.11E-08	6.45E-08	-6.56E-09	1.54E-07	1.40E-07	-1.42E-08
4	486123.6	3854936.51	6.85E-07	6.00E-07	-8.46E-08	1.50E-07	1.34E-07	-1.61E-08	6.95E-08	6.21E-08	-7.42E-09	1.50E-07	1.34E-07	-1.61E-08
5	486173.6	3854936.51	6.78E-07	5.88E-07	-9.05E-08	1.49E-07	1.32E-07	-1.74E-08	6.89E-08	6.08E-08	-8.04E-09	1.49E-07	1.32E-07	-1.74E-08
6	486223.6	3854936.51	6.67E-07	5.71E-07	-9.68E-08	1.47E-07	1.28E-07	-1.89E-08	6.78E-08	5.91E-08	-8.72E-09	1.47E-07	1.28E-07	-1.89E-08
7	486273.6	3854936.51	6.58E-07	5.56E-07	-1.02E-07	1.45E-07	1.25E-07	-2.01E-08	6.69E-08	5.76E-08	-9.29E-09	1.45E-07	1.25E-07	-2.01E-08
8	486323.6	3854936.51	6.50E-07	5.43E-07	-1.07E-07	1.43E-07	1.22E-07	-2.12E-08	6.60E-08	5.62E-08	-9.81E-09	1.43E-07	1.22E-07	-2.12E-08
9	485973.6	3854986.51	7.40E-07	6.87E-07	-5.33E-08	1.63E-07	1.54E-07	-8.82E-09	7.52E-08	7.11E-08	-4.08E-09	1.63E-07	1.54E-07	-8.82E-09
10	486023.6	3854986.51	7.29E-07	6.65E-07	-6.32E-08	1.60E-07	1.49E-07	-1.11E-08	7.40E-08	6.89E-08	-5.12E-09	1.60E-07	1.49E-07	-1.11E-08
11	486073.6	3854986.51	7.15E-07	6.43E-07	-7.18E-08	1.57E-07	1.44E-07	-1.31E-08	7.26E-08	6.66E-08	-6.04E-09	1.57E-07	1.44E-07	-1.31E-08
12	486123.6	3854986.51	7.03E-07	6.23E-07	-8.04E-08	1.55E-07	1.40E-07	-1.50E-08	7.14E-08	6.45E-08	-6.95E-09	1.55E-07	1.40E-07	-1.50E-08
13	486173.6	3854986.51	6.94E-07	6.07E-07	-8.71E-08	1.53E-07	1.36E-07	-1.66E-08	7.05E-08	6.29E-08	-7.66E-09	1.53E-07	1.36E-07	-1.66E-08
14	486223.6	3854986.51	6.83E-07	5.89E-07	-9.37E-08	1.50E-07	1.32E-07	-1.81E-08	6.93E-08	6.10E-08	-8.37E-09	1.50E-07	1.32E-07	-1.81E-08
15	486273.6	3854986.51	6.70E-07	5.70E-07	-9.97E-08	1.47E-07	1.28E-07	-1.95E-08	6.80E-08	5.90E-08	-9.02E-09	1.47E-07	1.28E-07	-1.95E-08
16	486323.6	3854986.51	6.67E-07	5.61E-07	-1.05E-07	1.46E-07	1.26E-07	-2.07E-08	6.77E-08	5.81E-08	-9.58E-09	1.46E-07	1.26E-07	-2.07E-08
17	485973.6	3855036.51	7.59E-07	7.13E-07	-4.61E-08	1.67E-07	1.60E-07	-7.13E-09	7.71E-08	7.38E-08	-3.30E-09	1.67E-07	1.60E-07	-7.13E-09
18	486023.6	3855036.51	7.47E-07	6.89E-07	-5.76E-08	1.64E-07	1.54E-07	-9.76E-09	7.58E-08	7.13E-08	-4.51E-09	1.64E-07	1.54E-07	-9.76E-09
19	486073.6	3855036.51	7.31E-07	6.64E-07	-6.74E-08	1.61E-07	1.49E-07	-1.20E-08	7.43E-08	6.87E-08	-5.55E-09	1.61E-07	1.49E-07	-1.20E-08
20	486123.6	3855036.51	7.19E-07	6.43E-07	-7.61E-08	1.58E-07	1.44E-07	-1.40E-08	7.30E-08	6.65E-08	-6.48E-09	1.58E-07	1.44E-07	-1.40E-08
21	486173.6	3855036.51	7.11E-07	6.27E-07	-8.39E-08	1.56E-07	1.40E-07	-1.58E-08	7.22E-08	6.49E-08	-7.30E-09	1.56E-07	1.40E-07	-1.58E-08
22	486223.6	3855036.51	6.97E-07	6.06E-07	-9.15E-08	1.53E-07	1.36E-07	-1.76E-08	7.08E-08	6.27E-08	-8.11E-09	1.53E-07	1.36E-07	-1.76E-08
23	486273.6	3855036.51	6.90E-07	5.92E-07	-9.74E-08	1.52E-07	1.33E-07	-1.89E-08	7.01E-08	6.13E-08	-8.74E-09	1.52E-07	1.33E-07	-1.89E-08
24	486323.6	3855036.51	6.79E-07	5.76E-07	-1.03E-07	1.49E-07	1.29E-07	-2.03E-08	6.90E-08	5.96E-08	-9.37E-09	1.49E-07	1.29E-07	-2.03E-08
25	485973.6	3855086.51	7.78E-07	7.39E-07	-3.92E-08	1.71E-07	1.65E-07	-5.51E-09	7.90E-08	7.65E-08	-2.55E-09	1.71E-07	1.65E-07	-5.51E-09
26	486023.6	3855086.51	7.66E-07	7.15E-07	-5.13E-08	1.68E-07	1.60E-07	-8.27E-09	7.78E-08	7.40E-08	-3.82E-09	1.68E-07	1.60E-07	-8.27E-09
27	486073.6	3855086.51	7.50E-07	6.88E-07	-6.24E-08	1.65E-07	1.54E-07	-1.08E-08	7.62E-08	7.12E-08	-5.00E-09	1.65E-07	1.54E-07	-1.08E-08
28	486123.6	3855086.51	7.39E-07	6.68E-07	-7.17E-08	1.62E-07	1.50E-07	-1.30E-08	7.51E-08	6.91E-08	-5.99E-09	1.62E-07	1.50E-07	-1.30E-08
29	486173.6	3855086.51	7.25E-07	6.45E-07	-8.04E-08	1.59E-07	1.44E-07	-1.50E-08	7.36E-08	6.67E-08	-6.91E-09	1.59E-07	1.44E-07	-1.50E-08
30	486223.6	3855086.51	7.15E-07	6.27E-07	-8.84E-08	1.57E-07	1.40E-07	-1.68E-08	7.26E-08	6.49E-08	-7.76E-09	1.57E-07	1.40E-07	-1.68E-08
31	485973.6	3855136.51	8.01E-07	7.69E-07	-3.21E-08	1.76E-07	1.72E-07	-3.81E-09	8.14E-08	7.96E-08	-1.76E-09	1.76E-07	1.72E-07	-3.81E-09
32	486023.6	3855136.51	7.86E-07	7.41E-07	-4.48E-08	1.73E-07	1.66E-07	-6.73E-09	7.98E-08	7.67E-08	-3.11E-09	1.73E-07	1.66E-07	-6.73E-09
33	486073.6	3855136.51	7.71E-07	7.15E-07	-5.63E-08	1.69E-07	1.60E-07	-9.37E-09	7.83E-08	7.39E-08	-4.33E-09	1.69E-07	1.60E-07	-9.37E-09
34	486123.6	3855136.51	7.58E-07	6.91E-07	-6.73E-08	1.67E-07	1.55E-07	-1.19E-08	7.70E-08	7.15E-08	-5.49E-09	1.67E-07	1.55E-07	-1.19E-08
35	486173.6	3855136.51	7.45E-07	6.68E-07	-7.69E-08	1.64E-07	1.50E-07	-1.41E-08	7.56E-08	6.91E-08	-6.51E-09	1.64E-07	1.50E-07	-1.41E-08
36	486223.6	3855136.51	7.32E-07	6.47E-07	-8.51E-08	1.61E-07	1.45E-07	-1.60E-08	7.44E-08	6.70E-08	-7.39E-09	1.61E-07	1.45E-07	-1.60E-08
37	485973.6	3855186.51	8.25E-07	8.02E-07	-2.32E-08	1.81E-07	1.80E-07	-1.73E-09	8.38E-08	8.30E-08	-7.99E-10	1.81E-07	1.80E-07	-1.73E-09
38	486023.6	3855186.51	8.10E-07	7.72E-07	-3.74E-08	1.78E-07	1.73E-07	-4.98E-09	8.22E-08	7.99E-08	-2.30E-09	1.78E-07	1.73E-07	-4.98E-09
39	486073.6	3855186.51	7.92E-07	7.41E-07	-5.05E-08	1.74E-07	1.66E-07	-7.97E-09	8.04E-08	7.67E-08	-3.68E-09	1.74E-07	1.66E-07	-7.97E-09
40	486123.6	3855186.51	7.74E-07	7.13E-07	-6.19E-08	1.70E-07	1.60E-07	-1.06E-08	7.86E-08	7.37E-08	-4.90E-09	1.70E-07	1.60E-07	-1.06E-08
41	486173.6	3855186.51	7.61E-07	6.89E-07	-7.20E-08	1.67E-07	1.54E-07	-1.29E-08	7.73E-08	7.13E-08	-5.97E-09	1.67E-07	1.54E-07	-1.29E-08
42	486223.6	3855186.51	7.48E-07	6.67E-07	-8.15E-08	1.64E-07	1.49E-07	-1.51E-08	7.60E-08	6.90E-08	-6.98E-09	1.64E-07	1.49E-07	-1.51E-08
43	486273.6	3855186.51	7.35E-07	6.46E-07	-8.93E-08	1.61E-07	1.45E-07	-1.69E-08	7.46E-08	6.68E-08	-7.82E-09	1.61E-07	1.45E-07	-1.69E-08
44	486323.6	3855186.51	7.31E-07	6.35E-07	-9.64E-08	1.61E-07	1.42E-07	-1.85E-08	7.43E-08	6.57E-08	-8.55E-09	1.61E-07	1.42E-07	-1.85E-08
45	485973.6	3855236.51	8.48E-07	8.35E-07	-1.36E-08	1.86E-07	1.87E-07	5.22E-10	8.61E-08	8.64E-08	2.41E-10	1.86E-07	1.87E-07	5.22E-10
46	486023.6	3855236.51	8.29E-07	8.00E-07	-2.97E-08	1.82E-07	1.79E-07	-3.16E-09	8.42E-08	8.28E-08	-1.46E-09	1.82E-07	1.79E-07	-3.16E-09
47	486073.6	3855236.51	8.10E-07	7.66E-07	-4.37E-08	1.78E-07	1.72E-07	-6.37E-09	8.22E-08	7.93E-08	-2.94E-09	1.78E-07	1.72E-07	-6.37E-09
48	486123.6	3855236.51	7.94E-07	7.38E-07	-5.61E-08	1.75E-07	1.65E-07	-9.23E-09	8.07E-08	7.64E-08	-4.27E-09	1.75E-07	1.65E-07	-9.23E-09
49	486173.6	3855236.51	7.80E-07	7.13E-07	-6.73E-08	1.71E-07	1.60E-07	-1.18E-08	7.92E-08	7.37E-08	-5.45E-09	1.71E-07	1.60E-07	-1.18E-08
50	486223.6	3855236.51	7.65E-07	6.88E-07	-7.75E-08	1.68E-07	1.54E-07	-1.41E-08	7.77E-08	7.12E-08	-6.53E-09	1.68E-07	1.54E-07	-1.41E-08
51	486273.6	3855236.51	7.48E-07	6.61E-07	-8.68E-08	1.64E-07	1.48E-07	-1.63E-08	7.59E-08	6.84E-08	-7.53E-09	1.64E-07	1.48E-07	-1.63E-08
52	486323.6	3855236.51	7.48E-07	6.54E-07	-9.44E-08	1.64E-07	1.46E-07	-1.80E-08	7.60E-08	6.77E-08	-8.31E-09	1.64E-07	1.46E-07	-1.80E-08
53	485973.6	3855286.51	8.73E-07	8.70E-07	-2.91E-09	1.92E-07	1.95E-07	3.02E-09	8.86E-08	9.00E-08	1.40E-09	1.92E-07	1.95E-07	3.02E-09
54	486023.6	3855286.51	8.51E-07	8.30E-07	-2.05E-08	1.87E-07	1.86E-07	-1.01E-09	8.64E-08	8.59E-08	-4.69E-10	1.87E-07	1.86E-07	-1.01E-09
55	486073.6	3855286.51	8.32E-07	7.96E-07	-3.61E-08	1.83E-07	1.78E-07	-4.59E-09	8.45E-08	8.24E-08	-2.12E-09	1.83E-07	1.78E-07	-4.59E-09
56	486123.6	3855286.51	8.13E-07	7.63E-07	-4.97E-08	1.79E-07	1.71E-07	-7.71E-09	8.26E-08	7.90E-08	-3.57E-09	1.79E-07	1.71E-07	-7.71E-09
57	486173.6	3855286.51	7.97E-07	7.34E-07	-6.26E-08	1.75E-07	1.64E-07	-1.07E-08	8.09E-08	7.60E-08	-4.93E-09	1.75E-07	1.64E-07	-1.07E-08
58	486223.6	3855286.51	7.83E-07	7.10E-07	-7.31E-08	1.72E-07	1.59E-07	-1.31E-08	7.96E-08	7.35E-08	-6.05E-09	1.72E-07	1.59E-07	-1.31E-08
59	486123.6	3855336.51	8.33E-07	7.90E-07	-4.27E-08	1.83E-07	1.77E-07	-6.06E-09	8.46E-08	8.18E-08	-2.80E-09	1.83E-07	1.77E-07	-6.06E-09
60	486173.6	3855336.51	8.18E-07	7.61E-07	-5.65E-08	1.80E-07	1.70E-07	-9.20E-09	8.30E-08	7.88E-08	-4.25E-09	1.80E-07	1.70E-07	-9.20E-09
61	486223.6	3855336.51	8.02E-07	7.34E-07	-6.87E-08	1.76E-07	1.64E-07	-1.20E-08	8.15E-08	7.59E-08	-5.55E-09	1.76E-07	1.64E-07	-1.20E-08
62	486123.6	3855386.51	8.55E-07	8.21E-07	-3.49E-08	1.88E-07	1.84E-07	-4.23E-09	8.69E-08	8.49E-08	-1.95E-09	1.88E-07	1.84E-07	-4.23E-09
63	486173.6	3855386.51	8.38E-07	7.89E-07	-4.96E-08	1.84E-07	1.77E-07	-7.58E-09	8.51E-08	8.16E-08	-3.50E-09	1.84E-07	1.77E-07	-7.58E-09
64	486223.6	3855386.51	8.23E-07	7.60E-07	-6.26E-08	1.81E-07	1.70E-07	-1.06E-08	8.36E-08	7.87E-08	-4.88E-09	1.81E-07	1.70E-07	-1.06E-08
65	486533.2	3855443.15	7.68E-07	6.53E-07	-1.15E-07	1.69E-07	1.46E-07	-2.26E-08	7.80E-08	6.76E-08	-1.04E-08	1.69E-07	1.46E-07	-2.26E-08
66	486583.2	3855443.15	7.56E-07	6.35E-07	-1.21E-07	1.66E-07	1.42E-07	-2.39E-08	7.67E-08	6.57E-08	-1.10E-08	1.66E-07	1.42E-07	-2.39E-08
67	486633.2	3855443.15	7.44E-07	6.17E-07	-1.27E-07	1.63E-07	1.38E-07	-2.52E-08	7.55E-08	6.39E-08	-1.17E-08	1.63E-07	1.38E-07	-2.52E-08
68	486683.2	3855443.15	7.35E-07	6.03E-07	-1.32E-07	1.61E-07	1.35E-07	-2.64E-08	7.46E-08	6.24E-08	-1.22E-08	1.61E-07	1.35E-07	-2.64E-08
69	486533.2	3855493.15	7.85E-07	6.72E-07	-1.13E-07	1.73E-07	1.50E-07	-2.21E-08	7.97E-08	6.95E-08	-1.02E-08	1.73E-07	1.50E-07	-2.21E-08
70	486583.2	3855493.15	7.73E-07	6.53E-07	-1.19E-07	1.70E-07	1.46E-07	-2.35E-08	7.85E-08	6.76E-08	-1.09E-08	1.70E-07	1.46E-07	-2.35E-08
71	486633.2	3855493.15	7.61E-07	6.35E-07	-1.26E-07	1.67E-07	1.42E-07	-2.50E-08	7.73E-08	6.57E-08	-1.15E-08	1.67E-07	1.42E-07	-2.50E-08
72	486683.2	3855493.15	7.49E-07	6.18E-07	-1.31E-07	1.65E-07	1.38E-07	-2.62E-08	7.61E-08	6.40E-08	-1.21E-08	1.65E-07	1.38E-07	-2.62E-08
73	486533.2	3855543.15	8.04E-07	6.93E-07	-1.11E-07	1.77E-07	1.55E-07	-2.14E-08	8.17E-08	7.18E-08	-9.89E-09	1.77E-07	1.55E-07	-2.14E-08
74	486583.2	3855543.15	7.88E-07	6.70E-07	-1.18E-07	1.73E-07	1.50E-07	-2.30E-08	8.00E-08	6.94E-08	-1.06E-08	1.73E-07	1.50E-07	-2.30E-08
75	486633.2	3855543.15	7.76E-07	6.52E-07	-1.24E-07	1.71E-07	1.46E-07	-2.46E-08	7.88E-08	6.75E-08	-1.13E-08	1.71E-07	1.46E-07	-2.46E-08
76	486683.2	3855543.15	7.62E-07	6.31E-07	-1.30E-07	1.67E-07	1.41E-07	-2.60E-08	7.74E-08	6.53E-08	-1.20E-08	1.67E-07	1.41E-07	-2.60E-08
77	486533.2	3855593.15	8.21E-07	7.14E-07	-1.07E-07	1.80E-07	1.60E-07	-2.05E-08	8.34E-08	7.39E-08	-9.50E-09	1.80E-07	1.60E-07	-2.05E-08
78	486583.2	3855593.15	8.07E-07	6.91E-07	-1.16E-07	1.77E-07	1.55E-07	-2.25E-08	8.19E-08	7.15E-08	-1.04E-08	1.77E-07	1.55E-07	-2.25E-08
79	486633.2	3855593.15	7.93E-07	6.70E-07	-1.23E-07	1.74E-07	1.50E-07	-2.42E-08	8.06E-08	6.94E-08	-1.12E-08	1.74E-07	1.50E-07	-2.42E-08
80	486683.2	3855593.15	7.82E-07	6.53E-07	-1.29E-07	1.72E-07	1.46E-07	-2.56E-08	7.94E-08	6.75E-08	-1.18E-08	1.72E-07	1.46E-07	-2.56E-08
81	486533.2	3855643.15	8.41E-07	7.37E-07	-1.04E-07	1.85E-07	1.65E-07	-1.97E-08	8.54E-08	7.63E-08	-9.09E-09	1.85E-07	1.65E-07	-1.97E-08
82	486583.2	3855643.15	8.26E-07	7.13E-07	-1.13E-07	1.81E-07	1.60E-07	-2.18E-08	8.38E-08	7.38E-08	-1.01E-08	1.81E-07	1.60E-07	-2.18E-08
83	486633.2	3855643.15	8.11E-07	6.91E-07	-1.20E-07	1.78E-07	1.55E-07	-2.35E-08	8.24E-08	7.15E-08	-1.09E-08	1.78E-07	1.55E-07	-2.35E-08
84	486683.2	3855643.15	7.98E-07	6.71E-07	-1.27E-07	1.75E-07	1.50E-07	-2.51E-08	8.10E-08	6.94E-08	-1.16E-08	1.75E-07	1.50E-07	-2.51E-08
85	486533.2	3855693.15	8.64E-07	7.65E-07	-9.86E-08	1.90E-07	1.71E-07	-1.84E-08	8.77E-08	7.92E-08	-8.53E-09	1.90E-07	1.71E-07	-1.84E-08
86	486583.2	3855693.15	8.44E-07	7.35E-07	-1.08E-07	1.85E-07	1.65E-07	-2.07E-08	8.57E-08	7.61E-08	-9.57E-09	1.85E-07	1.65E-07	-2.07E-08
87	486633.2	3855693.15	8.25E-07	7.08E-07	-1.17E-07	1.81E-07	1.59E-07	-2.27E-08	8.38E-08	7.33E-08	-1.05E-08	1.81E-07	1.59E-07	-2.27E-08
88	486683.2	3855693.15	8.15E-07	6.90E-07	-1.24E-07	1.79E-07	1.55E-07	-2.44E-08	8.28E-08	7.15E-08	-1.13E-08	1.79E-07	1.55E-07	-2.44E-08
89	486733.2	3855693.15	8.09E-07	6.78E-07	-1.31E-07	1.78E-07	1.52E-07	-2.59E-08	8.21E-08	7.01E-08	-1.20E-08	1.78E-07	1.52E-07	-2.59E-08
90	486783.2	3855693.15	8.04E-07	6.67E-07	-1.37E-07	1.77E-07	1.49E-07	-2.73E-08	8.17E-08	6.90E-08	-1.26E-08	1.77E-07	1.49E-07	-2.73E-08
91	486533.2	3855743.15	8.84E-07	7.93E-07	-9.13E-08	1.94E-07	1.78E-07	-1.67E-08	8.98E-08	8.21E-08	-7.73E-09	1.94E-07	1.78E-07	-1.67E-08
92	486583.2	3855743.15	8.61E-07	7.58E-07	-1.03E-07	1.89E-07	1.70E-07	-1.95E-08	8.74E-08	7.84E-08	-9.00E-09	1.89E-07	1.70E-07	-1.95E-08
93	486633.2	3855743.15	8.44E-07	7.31E-07	-1.13E-07	1.85E-07	1.64E-07	-2.17E-08	8.57E-08	7.57E-08	-1.00E-08	1.85E-07	1.64E-07	-2.17E-08
94	486683.2	3855743.15	8.36E-07	7.15E-07	-1.21E-07	1.84E-07	1.60E-07	-2.35E-08	8.49E-08	7.40E-08	-1.09E-08	1.84E-07	1.60E-07	-2.35E-08
95	486733.2	3855743.15	8.25E-07	6.97E-07	-1.28E-07	1.81E-07	1.56E-07	-2.52E-08	8.38E-08	7.21E-08	-1.17E-08	1.81E-07	1.56E-07	-2.52E-08
96	486783.2	3855743.15	8.22E-07	6.87E-07	-1.35E-07	1.81E-07	1.54E-07	-2.67E-08	8.35E-08	7.11E-08	-1.24E-08	1.81E-07	1.54E-07	-2.67E-08
97	486533.2	3855793.15	9.07E-07	8.25E-07	-8.17E-08	1.99E-07	1.85E-07	-1.45E-08	9.21E-08	8.54E-08	-6.70E-09	1.99E-07	1.85E-07	-1.45E-08
98	486583.2	3855793.15	8.77E-07	7.81E-07	-9.60E-08	1.93E-07	1.75E-07	-1.78E-08	8.91E-08	8.08E-08	-8.23E-09	1.93E-07	1.75E-07	-1.78E-08
99	486633.2	3855793.15	8.67E-07	7.61E-07	-1.06E-07	1.91E-07	1.70E-07	-2.02E-08	8.81E-08	7.87E-08	-9.33E-09	1.91E-07	1.70E-07	-2.02E-08
100	486683.2	3855793.15	8.59E-07	7.43E-07	-1.16E-07	1.89E-07	1.66E-07	-2.24E-08	8.72E-08	7.69E-08	-1.04E-08	1.89E-07	1.66E-07	-2.24E-08
101	486733.2	3855793.15	8.48E-07	7.24E-07	-1.24E-07	1.86E-07	1.62E-07	-2.43E-08	8.61E-08	7.49E-08	-1.12E-08	1.86E-07	1.62E-07	-2.43E-08
102	486783.2	3855793.15	8.40E-07	7.08E-07	-1.32E-07	1.85E-07	1.59E-07	-2.60E-08	8.53E-08	7.33E-08	-1.20E-08	1.85E-07	1.59E-07	-2.60E-08
103	486533.2	3855843.15	9.26E-07	8.55E-07	-7.01E-08	2.03E-07	1.92E-07	-1.18E-08	9.40E-08	8.85E-08	-5.46E-09	2.03E-07	1.92E-07	-1.18E-08

104	486583.2	3855843.15	9.00E-07	8.14E-07	-8.66E-08	1.98E-07	1.82E-07	-1.56E-08	9.14E-08	8.42E-08	-7.21E-09	1.98E-07	1.82E-07	-1.56E-08
105	486633.2	3855843.15	8.90E-07	7.91E-07	-9.84E-08	1.95E-07	1.77E-07	-1.83E-08	9.03E-08	8.19E-08	-8.45E-09	1.95E-07	1.77E-07	-1.83E-08
106	486683.2	3855843.15	8.80E-07	7.71E-07	-1.09E-07	1.93E-07	1.73E-07	-2.07E-08	8.93E-08	7.98E-08	-9.55E-09	1.93E-07	1.73E-07	-2.07E-08
107	486733.2	3855843.15	8.71E-07	7.52E-07	-1.19E-07	1.91E-07	1.68E-07	-2.29E-08	8.84E-08	7.78E-08	-1.06E-08	1.91E-07	1.68E-07	-2.29E-08
108	486783.2	3855843.15	8.61E-07	7.34E-07	-1.27E-07	1.89E-07	1.64E-07	-2.49E-08	8.74E-08	7.59E-08	-1.15E-08	1.89E-07	1.64E-07	-2.49E-08
109	486533.2	3855893.15	9.39E-07	8.83E-07	-5.66E-08	2.06E-07	1.98E-07	-8.72E-09	9.54E-08	9.13E-08	-4.03E-09	2.06E-07	1.98E-07	-8.72E-09
110	486583.2	3855893.15	9.27E-07	8.53E-07	-7.35E-08	2.04E-07	1.91E-07	-1.26E-08	9.41E-08	8.83E-08	-5.81E-09	2.04E-07	1.91E-07	-1.26E-08
111	486633.2	3855893.15	9.13E-07	8.25E-07	-8.76E-08	2.01E-07	1.85E-07	-1.58E-08	9.27E-08	8.54E-08	-7.29E-09	2.01E-07	1.85E-07	-1.58E-08
112	486683.2	3855893.15	9.02E-07	8.02E-07	-1.00E-07	1.98E-07	1.80E-07	-1.86E-08	9.16E-08	8.30E-08	-8.60E-09	1.98E-07	1.80E-07	-1.86E-08
113	486733.2	3855893.15	8.92E-07	7.81E-07	-1.11E-07	1.96E-07	1.75E-07	-2.12E-08	9.06E-08	8.08E-08	-9.78E-09	1.96E-07	1.75E-07	-2.12E-08
114	486783.2	3855893.15	8.84E-07	7.63E-07	-1.21E-07	1.94E-07	1.71E-07	-2.34E-08	8.98E-08	7.90E-08	-1.08E-08	1.94E-07	1.71E-07	-2.34E-08
115	486533.2	3855943.15	9.63E-07	9.25E-07	-3.84E-08	2.12E-07	2.07E-07	-4.55E-09	9.78E-08	9.57E-08	-2.10E-09	2.12E-07	2.07E-07	-4.55E-09
116	486583.2	3855943.15	9.53E-07	8.97E-07	-5.66E-08	2.09E-07	2.01E-07	-8.66E-09	9.68E-08	9.28E-08	-4.00E-09	2.09E-07	2.01E-07	-8.66E-09
117	486633.2	3855943.15	9.38E-07	8.64E-07	-7.40E-08	2.06E-07	1.94E-07	-1.26E-08	9.53E-08	8.94E-08	-5.84E-09	2.06E-07	1.94E-07	-1.26E-08
118	486683.2	3855943.15	9.28E-07	8.40E-07	-8.87E-08	2.04E-07	1.88E-07	-1.60E-08	9.43E-08	8.69E-08	-7.37E-09	2.04E-07	1.88E-07	-1.60E-08
119	486733.2	3855943.15	9.16E-07	8.14E-07	-1.02E-07	2.01E-07	1.82E-07	-1.90E-08	9.30E-08	8.42E-08	-8.77E-09	2.01E-07	1.82E-07	-1.90E-08
120	486783.2	3855943.15	9.07E-07	7.94E-07	-1.13E-07	1.99E-07	1.78E-07	-2.15E-08	9.21E-08	8.21E-08	-9.93E-09	1.99E-07	1.78E-07	-2.15E-08
121	486533.2	3855993.15	9.92E-07	9.79E-07	-1.36E-08	2.18E-07	2.19E-07	1.12E-09	1.01E-07	1.01E-07	5.19E-10	2.18E-07	2.19E-07	1.12E-09
122	486583.2	3855993.15	9.79E-07	9.42E-07	-3.69E-08	2.15E-07	2.11E-07	-4.13E-09	9.94E-08	9.75E-08	-1.91E-09	2.15E-07	2.11E-07	-4.13E-09
123	486633.2	3855993.15	9.64E-07	9.08E-07	-5.67E-08	2.12E-07	2.03E-07	-8.64E-09	9.79E-08	9.39E-08	-3.99E-09	2.12E-07	2.03E-07	-8.64E-09
124	486683.2	3855993.15	9.53E-07	8.80E-07	-7.39E-08	2.09E-07	1.97E-07	-1.25E-08	9.68E-08	9.10E-08	-5.80E-09	2.09E-07	1.97E-07	-1.25E-08
125	486733.2	3855993.15	9.40E-07	8.51E-07	-8.90E-08	2.07E-07	1.91E-07	-1.60E-08	9.54E-08	8.81E-08	-7.38E-09	2.07E-07	1.91E-07	-1.60E-08
126	486783.2	3855993.15	9.29E-07	8.27E-07	-1.03E-07	2.04E-07	1.85E-07	-1.90E-08	9.44E-08	8.56E-08	-8.80E-09	2.04E-07	1.85E-07	-1.90E-08
127	486533.2	3856043.15	1.02E-06	1.04E-06	1.55E-08	2.25E-07	2.32E-07	7.77E-09	1.04E-07	1.07E-07	3.59E-09	2.25E-07	2.32E-07	7.77E-09
128	486583.2	3856043.15	1.01E-06	9.97E-07	-1.12E-08	2.22E-07	2.23E-07	1.73E-09	1.02E-07	1.03E-07	8.01E-10	2.22E-07	2.23E-07	1.73E-09
129	486633.2	3856043.15	9.91E-07	9.56E-07	-3.48E-08	2.18E-07	2.14E-07	-3.62E-09	1.01E-07	9.90E-08	-1.67E-09	2.18E-07	2.14E-07	-3.62E-09
130	486683.2	3856043.15	9.80E-07	9.25E-07	-5.55E-08	2.15E-07	2.07E-07	-8.31E-09	9.96E-08	9.57E-08	-3.84E-09	2.15E-07	2.07E-07	-8.31E-09
131	486733.2	3856043.15	9.65E-07	8.92E-07	-7.32E-08	2.12E-07	2.00E-07	-1.23E-08	9.80E-08	9.23E-08	-5.70E-09	2.12E-07	2.00E-07	-1.23E-08
132	486783.2	3856043.15	9.56E-07	8.67E-07	-8.93E-08	2.10E-07	1.94E-07	-1.60E-08	9.71E-08	8.97E-08	-7.38E-09	2.10E-07	1.94E-07	-1.60E-08
133	486533.2	3856093.15	1.06E-06	1.11E-06	5.37E-08	2.32E-07	2.48E-07	1.65E-08	1.07E-07	1.15E-07	7.61E-09	2.32E-07	2.48E-07	1.65E-08
134	486583.2	3856093.15	1.04E-06	1.06E-06	2.06E-08	2.28E-07	2.37E-07	8.99E-09	1.05E-07	1.10E-07	4.15E-09	2.28E-07	2.37E-07	8.99E-09
135	486633.2	3856093.15	1.02E-06	1.01E-06	-8.32E-09	2.25E-07	2.27E-07	2.44E-09	1.04E-07	1.05E-07	1.13E-09	2.25E-07	2.27E-07	2.44E-09
136	486683.2	3856093.15	1.01E-06	9.76E-07	-3.25E-08	2.22E-07	2.19E-07	-3.05E-09	1.02E-07	1.01E-07	-1.41E-09	2.22E-07	2.19E-07	-3.05E-09
137	486733.2	3856093.15	9.93E-07	9.40E-07	-5.35E-08	2.18E-07	2.10E-07	-7.80E-09	1.01E-07	9.72E-08	-3.60E-09	2.18E-07	2.10E-07	-7.80E-09
138	486783.2	3856093.15	9.82E-07	9.09E-07	-7.30E-08	2.16E-07	2.04E-07	-1.22E-08	9.97E-08	9.41E-08	-5.64E-09	2.16E-07	2.04E-07	-1.22E-08
139	486533.2	3856143.15	1.09E-06	1.19E-06	1.02E-07	2.39E-07	2.66E-07	2.73E-08	1.10E-07	1.23E-07	1.26E-08	2.39E-07	2.66E-07	2.73E-08
140	486583.2	3856143.15	1.07E-06	1.13E-06	6.02E-08	2.35E-07	2.53E-07	1.80E-08	1.08E-07	1.17E-07	8.30E-09	2.35E-07	2.53E-07	1.80E-08
141	486633.2	3856143.15	1.05E-06	1.08E-06	2.63E-08	2.31E-07	2.42E-07	1.03E-08	1.07E-07	1.12E-07	4.77E-09	2.31E-07	2.42E-07	1.03E-08
142	486683.2	3856143.15	1.04E-06	1.03E-06	-2.87E-09	2.28E-07	2.31E-07	3.72E-09	1.05E-07	1.07E-07	1.72E-09	2.28E-07	2.31E-07	3.72E-09
143	486733.2	3856143.15	1.02E-06	9.93E-07	-2.89E-08	2.25E-07	2.22E-07	-2.18E-09	1.04E-07	1.03E-07	-1.01E-09	2.25E-07	2.22E-07	-2.18E-09
144	486783.2	3856143.15	1.01E-06	9.61E-07	-5.05E-08	2.22E-07	2.15E-07	-7.06E-09	1.03E-07	9.95E-08	-3.26E-09	2.22E-07	2.15E-07	-7.06E-09
145	486533.2	3856193.15	1.12E-06	1.29E-06	1.67E-07	2.47E-07	2.89E-07	4.22E-08	1.14E-07	1.34E-07	1.95E-08	2.47E-07	2.89E-07	4.22E-08
146	486583.2	3856193.15	1.10E-06	1.21E-06	1.13E-07	2.42E-07	2.72E-07	2.99E-08	1.12E-07	1.26E-07	1.38E-08	2.42E-07	2.72E-07	2.99E-08
147	486633.2	3856193.15	1.08E-06	1.15E-06	7.05E-08	2.38E-07	2.59E-07	2.04E-08	1.10E-07	1.19E-07	9.41E-09	2.38E-07	2.59E-07	2.04E-08
148	486683.2	3856193.15	1.07E-06	1.11E-06	3.49E-08	2.35E-07	2.48E-07	1.23E-08	1.09E-07	1.14E-07	5.69E-09	2.35E-07	2.48E-07	1.23E-08
149	486733.2	3856193.15	1.05E-06	1.06E-06	2.87E-09	2.31E-07	2.37E-07	5.07E-09	1.07E-07	1.09E-07	2.34E-09	2.31E-07	2.37E-07	5.07E-09
150	486783.2	3856193.15	1.04E-06	1.02E-06	-2.53E-08	2.29E-07	2.28E-07	-1.28E-09	1.06E-07	1.05E-07	-5.90E-10	2.29E-07	2.28E-07	-1.28E-09
151	486533.2	3856243.15	1.16E-06	1.41E-06	2.50E-07	2.55E-07	3.16E-07	6.09E-08	1.18E-07	1.46E-07	2.82E-08	2.55E-07	3.16E-07	6.09E-08
152	486583.2	3856243.15	1.14E-06	1.32E-06	1.81E-07	2.50E-07	2.96E-07	4.54E-08	1.16E-07	1.37E-07	2.10E-08	2.50E-07	2.96E-07	4.54E-08
153	486633.2	3856243.15	1.12E-06	1.24E-06	1.26E-07	2.46E-07	2.79E-07	3.28E-08	1.14E-07	1.29E-07	1.52E-08	2.46E-07	2.79E-07	3.28E-08
154	486683.2	3856243.15	1.10E-06	1.18E-06	7.82E-08	2.42E-07	2.64E-07	2.21E-08	1.12E-07	1.22E-07	1.02E-08	2.42E-07	2.64E-07	2.21E-08
155	486733.2	3856243.15	1.09E-06	1.13E-06	3.82E-08	2.39E-07	2.52E-07	1.31E-08	1.11E-07	1.17E-07	6.07E-09	2.39E-07	2.52E-07	1.31E-08
156	486783.2	3856243.15	1.07E-06	1.08E-06	4.32E-09	2.36E-07	2.41E-07	5.48E-09	1.09E-07	1.11E-07	2.53E-09	2.36E-07	2.41E-07	5.48E-09
157	486533.2	3856293.15	1.20E-06	1.55E-06	3.55E-07	2.63E-07	3.48E-07	8.46E-08	1.22E-07	1.61E-07	3.91E-08	2.63E-07	3.48E-07	8.46E-08
158	486583.2	3856293.15	1.18E-06	1.44E-06	2.64E-07	2.58E-07	3.22E-07	6.41E-08	1.19E-07	1.49E-07	2.96E-08	2.58E-07	3.22E-07	6.41E-08
159	486633.2	3856293.15	1.16E-06	1.35E-06	1.91E-07	2.54E-07	3.02E-07	4.77E-08	1.17E-07	1.39E-07	2.20E-08	2.54E-07	3.02E-07	4.77E-08
160	486683.2	3856293.15	1.14E-06	1.27E-06	1.32E-07	2.50E-07	2.84E-07	3.44E-08	1.15E-07	1.31E-07	1.59E-08	2.50E-07	2.84E-07	3.44E-08
161	486733.2	3856293.15	1.12E-06	1.21E-06	8.21E-08	2.47E-07	2.70E-07	2.31E-08	1.14E-07	1.25E-07	1.07E-08	2.47E-07	2.70E-07	2.31E-08
162	486783.2	3856293.15	1.11E-06	1.15E-06	3.99E-08	2.43E-07	2.57E-07	1.36E-08	1.12E-07	1.19E-07	6.28E-09	2.43E-07	2.57E-07	1.36E-08
163	486783.2	3856343.15	1.14E-06	1.23E-06	8.32E-08	2.51E-07	2.75E-07	2.34E-08	1.16E-07	1.27E-07	1.08E-08	2.51E-07	2.75E-07	2.34E-08
164	486833.2	3856343.15	1.13E-06	1.17E-06	3.84E-08	2.48E-07	2.61E-07	1.33E-08	1.15E-07	1.21E-07	6.16E-09	2.48E-07	2.61E-07	1.33E-08
165	486883.2	3856343.15	1.11E-06	1.11E-06	-5.83E-10	2.45E-07	2.49E-07	4.55E-09	1.13E-07	1.15E-07	2.10E-09	2.45E-07	2.49E-07	4.55E-09
166	486783.2	3856393.15	1.18E-06	1.31E-06	1.35E-07	2.59E-07	2.94E-07	3.52E-08	1.20E-07	1.36E-07	1.63E-08	2.59E-07	2.94E-07	3.52E-08
167	486833.2	3856393.15	1.16E-06	1.24E-06	8.01E-08	2.55E-07	2.78E-07	2.28E-08	1.18E-07	1.29E-07	1.05E-08	2.55E-07	2.78E-07	2.28E-08
168	486883.2	3856393.15	1.14E-06	1.18E-06	3.38E-08	2.51E-07	2.64E-07	1.24E-08	1.16E-07	1.22E-07	5.73E-09	2.51E-07	2.64E-07	1.24E-08
169	487208.7	3856886.11	1.42E-06	1.55E-06	1.32E-07	3.11E-07	3.47E-07	3.55E-08	1.44E-07	1.60E-07	1.64E-08	3.11E-07	3.47E-07	3.55E-08
170	487258.7	3856886.11	1.39E-06	1.45E-06	5.53E-08	3.06E-07	3.24E-07	1.82E-08	1.41E-07	1.50E-07	8.43E-09	3.06E-07	3.24E-07	1.82E-08
171	487308.7	3856886.11	1.37E-06	1.36E-06	-7.47E-09	3.00E-07	3.04E-07	4.08E-09	1.39E-07	1.41E-07	1.88E-09	3.00E-07	3.04E-07	4.08E-09
172	487358.7	3856886.11	1.34E-06	1.28E-06	-5.72E-08	2.95E-07	2.88E-07	-7.17E-09	1.36E-07	1.33E-07	-3.31E-09	2.95E-07	2.88E-07	-7.17E-09
173	487208.7	3856936.11	1.47E-06	1.69E-06	2.19E-07	3.23E-07	3.78E-07	5.51E-08	1.49E-07	1.75E-07	2.55E-08	3.23E-07	3.78E-07	5.51E-08
174	487258.7	3856936.11	1.44E-06	1.56E-06	1.21E-07	3.17E-07	3.50E-07	3.32E-08	1.46E-07	1.62E-07	1.54E-08	3.17E-07	3.50E-07	3.32E-08
175	487308.7	3856936.11	1.42E-06	1.46E-06	4.21E-08	3.11E-07	3.26E-07	1.54E-08	1.44E-07	1.51E-07	7.10E-09	3.11E-07	3.26E-07	1.54E-08
176	487358.7	3856936.11	1.39E-06	1.37E-06	-2.02E-08	3.05E-07	3.07E-07	1.33E-09	1.41E-07	1.42E-07	6.13E-10	3.05E-07	3.07E-07	1.33E-09
177	487208.7	3856986.11	1.53E-06	1.86E-06	3.35E-07	3.35E-07	4.17E-07	8.15E-08	1.55E-07	1.93E-07	3.77E-08	3.35E-07	4.17E-07	8.15E-08
178	487258.7	3856986.11	1.50E-06	1.70E-06	2.05E-07	3.29E-07	3.82E-07	5.22E-08	1.52E-07	1.76E-07	2.41E-08	3.29E-07	3.82E-07	5.22E-08
179	487308.7	3856986.11	1.47E-06	1.58E-06	1.09E-07	3.22E-07	3.53E-07	3.06E-08	1.49E-07	1.63E-07	1.41E-08	3.22E-07	3.53E-07	3.06E-08
180	487358.7	3856986.11	1.44E-06	1.47E-06	2.86E-08	3.17E-07	3.29E-07	1.25E-08	1.46E-07	1.52E-07	5.77E-09	3.17E-07	3.29E-07	1.25E-08
181	487208.7	3857036.11	1.59E-06	2.08E-06	4.96E-07	3.48E-07	4.66E-07	1.18E-07	1.61E-07	2.15E-07	5.44E-08	3.48E-07	4.66E-07	1.18E-07
182	487258.7	3857036.11	1.55E-06	1.88E-06	3.25E-07	3.42E-07	4.21E-07	7.92E-08	1.58E-07	1.94E-07	3.66E-08	3.42E-07	4.21E-07	7.92E-08
183	487308.7	3857036.11	1.53E-06	1.72E-06	1.93E-07	3.35E-07	3.85E-07	4.97E-08	1.55E-07	1.78E-07	2.30E-08	3.35E-07	3.85E-07	4.97E-08
184	487358.7	3857036.11	1.50E-06	1.59E-06	9.28E-08	3.29E-07	3.56E-07	2.71E-08	1.52E-07	1.65E-07	1.25E-08	3.29E-07	3.56E-07	2.71E-08
185	487427.1	3856878.23	1.31E-06	1.19E-06	-1.20E-07	2.87E-07	2.66E-07	-2.14E-08	1.33E-07	1.23E-07	-9.90E-09	2.87E-07	2.66E-07	-2.14E-08
186	487477.1	3856878.23	1.29E-06	1.13E-06	-1.54E-07	2.83E-07	2.54E-07	-2.90E-08	1.31E-07	1.17E-07	-1.34E-08	2.83E-07	2.54E-07	-2.90E-08
187	487527.1	3856878.23	1.27E-06	1.09E-06	-1.81E-07	2.79E-07	2.44E-07	-3.52E-08	1.29E-07	1.13E-07	-1.63E-08	2.79E-07	2.44E-07	-3.52E-08
188	487427.1	3856928.23	1.35E-06	1.26E-06	-9.48E-08	2.97E-07	2.82E-07	-1.55E-08	1.37E-07	1.30E-07	-7.18E-09	2.97E-07	2.82E-07	-1.55E-08
189	487477.1	3856928.23	1.33E-06	1.20E-06	-1.32E-07	2.92E-07	2.68E-07	-2.41E-08	1.35E-07	1.24E-07	-1.11E-08	2.92E-07	2.68E-07	-2.41E-08
190	487527.1	3856928.23	1.31E-06	1.14E-06	-1.65E-07	2.87E-07	2.56E-07	-3.15E-08	1.33E-07	1.18E-07	-1.46E-08	2.87E-07	2.56E-07	-3.15E-08
191	487577.1	3856928.23	1.29E-06	1.09E-06	-1.93E-07	2.83E-07	2.45E-07	-3.78E-08	1.31E-07	1.13E-07	-1.75E-08	2.83E-07	2.45E-07	-3.78E-08
192	487627.1	3856928.23	1.27E-06	1.05E-06	-2.16E-07	2.78E-07	2.36E-07	-4.30E-08	1.29E-07	1.09E-07	-1.99E-08	2.78E-07	2.36E-07	-4.30E-08
193	487677.1	3856928.23	1.25E-06	1.01E-06	-2.37E-07	2.75E-07	2.27E-07	-4.78E-08	1.27E-07	1.05E-07	-2.21E-08	2.75E-07	2.27E-07	-4.78E-08
194	487727.1	3856928.23	1.24E-06	9.79E-07	-2.56E-07	2.71E-07	2.19E-07	-5.22E-08	1.25E-07	1.01E-07	-2.41E-08	2.71E-07	2.19E-07	-5.22E-08
195	487777.1	3856928.23	1.22E-06	9.47E-07	-2.71E-07	2.68E-07	2.12E-07	-5.56E-08	1.24E-07	9.80E-08	-2.57E-08	2.68E-07	2.12E-07	-5.56E-08
196	487427.1	3856978.23	1.40E-06	1.34E-06	-6.00E-08	3.07E-07	3.00E-07	-7.56E-09	1.42E-07	1.38E-07	-3.50E-09	3.07E-07	3.00E-07	-7.56E-09
197	487477.1	3856978.23	1.37E-06	1.27E-06	-1.07E-07	3.02E-07	2.84E-07	-1.83E-08	1.40E-07	1.31E-07	-8.44E-09	3.02E-07	2.84E-07	-1.83E-08
198	487527.1	3856978.23	1.35E-06	1.21E-06	-1.47E-07	2.97E-07	2.70E-07	-2.73E-08	1.37E-07	1.25E-07	-1.26E-08	2.97E-07	2.70E-07	-2.73E-08
199	487577.1	3856978.23	1.33E-06	1.15E-06	-1.80E-07	2.93E-07	2.58E-07	-3.47E-08	1.35E-07	1.19E-07	-1.60E-08	2.93E-07	2.58E-07	-3.47E-08
200	487627.1	3856978.23	1.31E-06	1.10E-06	-2.06E-07	2.87E-07	2.47E-07	-4.05E-08	1.33E-07	1.14E-07	-1.87E-08	2.87E-07	2.47E-07	-4.05E-08
201	487677.1	3856978.23	1.29E-06	1.06E-06	-2.30E-07	2.83E-07	2.37E-07	-4.62E-08	1.31E-07	1.10E-07	-2.13E-08	2.83E-07	2.37E-07	-4.62E-08
202	487727.1	3856978.23	1.26E-06	1.02E-06	-2.45E-07	2.78E-07	2.28E-07	-4.96E-08	1.28E-07	1.05E-07	-2.29E-08	2.78E-07	2.28E-07	-4.96E-08
203	487777.1	3856978.23	1.26E-06	9.85E-07	-2.70E-07	2.76E-07	2.21E-07	-5.52E-08	1.28E-07	1.02E-07	-2.55E-08	2.76E-07	2.21E-07	-5.52E-08
204	487427.1	3857028.23	1.45E-06	1.43E-06	-1.89E-08	3.19E-07	3.20E-07	1.86E-09	1.47E-07	1.48E-07	8.61E-10	3.19E-07	3.20E-07	1.86E-09
205	487477.1	3857028.23	1.42E-06	1.35E-06	-7.66E-08	3.13E-07	3.02E-07	-1.12E-08	1.45E-07	1.40E-07	-5.16E-09	3.13E-07	3.02E-07	-1.12E-08
206	487527.1	3857028.23	1.40E-06	1.28E-06	-1.22E-07	3.07E-07	2.86E-07	-2.15E-08	1.42E-07	1.32E-07	-9.93E-09	3.07E-07	2.86E-07	-2.15E-08
207	487577.1	3857028.23	1.38E-06	1.21E-06	-1.62E-07	3.02E-07	2.72E-07	-3.05E-08	1.40E-07	1.26E-07	-1.41E-08	3.02E-07	2.72E-07	-3.05E-08
208	487627.1	3857028.23	1.35E-06	1.16E-06	-1.92E-07	2.97E-07	2.59E-07	-3.72E-08	1.37E-07	1.20E-07	-1.72E-08	2.97E-07	2.59E-07	-3.72E-08

209	487677.1	3857028.23	1.33E-06	1.11E-06	-2.20E-07	2.92E-07	2.49E-07	-4.37E-08	1.35E-07	1.15E-07	-2.02E-08	2.92E-07	2.49E-07	-4.37E-08
210	487727.1	3857028.23	1.31E-06	1.07E-06	-2.46E-07	2.89E-07	2.39E-07	-4.95E-08	1.33E-07	1.10E-07	-2.29E-08	2.89E-07	2.39E-07	-4.95E-08
211	487777.1	3857028.23	1.29E-06	1.03E-06	-2.66E-07	2.84E-07	2.30E-07	-5.42E-08	1.31E-07	1.06E-07	-2.51E-08	2.84E-07	2.30E-07	-5.42E-08
212	487427.1	3857078.23	1.51E-06	1.54E-06	3.57E-08	3.31E-07	3.45E-07	1.43E-08	1.53E-07	1.60E-07	6.62E-09	3.31E-07	3.45E-07	1.43E-08
213	487477.1	3857078.23	1.48E-06	1.44E-06	-3.38E-08	3.24E-07	3.23E-07	-1.37E-09	1.50E-07	1.49E-07	-6.33E-10	3.24E-07	3.23E-07	-1.37E-09
214	487527.1	3857078.23	1.45E-06	1.36E-06	-9.16E-08	3.19E-07	3.04E-07	-1.44E-08	1.47E-07	1.41E-07	-6.66E-09	3.19E-07	3.04E-07	-1.44E-08
215	487577.1	3857078.23	1.42E-06	1.29E-06	-1.38E-07	3.13E-07	2.88E-07	-2.49E-08	1.45E-07	1.33E-07	-1.15E-08	3.13E-07	2.88E-07	-2.49E-08
216	487627.1	3857078.23	1.40E-06	1.22E-06	-1.75E-07	3.07E-07	2.74E-07	-3.33E-08	1.42E-07	1.27E-07	-1.54E-08	3.07E-07	2.74E-07	-3.33E-08
217	487677.1	3857078.23	1.38E-06	1.17E-06	-2.08E-07	3.02E-07	2.62E-07	-4.09E-08	1.40E-07	1.21E-07	-1.89E-08	3.02E-07	2.62E-07	-4.09E-08
218	487727.1	3857078.23	1.36E-06	1.12E-06	-2.37E-07	2.98E-07	2.51E-07	-4.73E-08	1.38E-07	1.16E-07	-2.18E-08	2.98E-07	2.51E-07	-4.73E-08
219	487777.1	3857078.23	1.33E-06	1.07E-06	-2.59E-07	2.93E-07	2.41E-07	-5.25E-08	1.35E-07	1.11E-07	-2.43E-08	2.93E-07	2.41E-07	-5.25E-08
220	487427.1	3857128.23	1.57E-06	1.67E-06	1.08E-07	3.44E-07	3.75E-07	3.08E-08	1.59E-07	1.73E-07	1.42E-08	3.44E-07	3.75E-07	3.08E-08
221	487477.1	3857128.23	1.53E-06	1.55E-06	2.16E-08	3.37E-07	3.48E-07	1.13E-08	1.56E-07	1.61E-07	5.22E-09	3.37E-07	3.48E-07	1.13E-08
222	487527.1	3857128.23	1.50E-06	1.45E-06	-4.78E-08	3.30E-07	3.26E-07	-4.38E-09	1.53E-07	1.51E-07	-2.02E-09	3.30E-07	3.26E-07	-4.38E-09
223	487577.1	3857128.23	1.48E-06	1.37E-06	-1.06E-07	3.24E-07	3.07E-07	-1.74E-08	1.50E-07	1.42E-07	-8.06E-09	3.24E-07	3.07E-07	-1.74E-08
224	487627.1	3857128.23	1.45E-06	1.30E-06	-1.53E-07	3.18E-07	2.90E-07	-2.81E-08	1.47E-07	1.34E-07	-1.30E-08	3.18E-07	2.90E-07	-2.81E-08
225	487677.1	3857128.23	1.42E-06	1.23E-06	-1.90E-07	3.13E-07	2.76E-07	-3.66E-08	1.44E-07	1.28E-07	-1.69E-08	3.13E-07	2.76E-07	-3.66E-08
226	487727.1	3857128.23	1.40E-06	1.18E-06	-2.25E-07	3.08E-07	2.64E-07	-4.46E-08	1.42E-07	1.22E-07	-2.06E-08	3.08E-07	2.64E-07	-4.46E-08
227	487777.1	3857128.23	1.38E-06	1.13E-06	-2.52E-07	3.03E-07	2.52E-07	-5.05E-08	1.40E-07	1.17E-07	-2.34E-08	3.03E-07	2.52E-07	-5.05E-08
228	488049.4	3856539.39	9.55E-07	6.63E-07	-2.92E-07	2.10E-07	1.49E-07	-6.13E-08	9.70E-08	6.87E-08	-2.83E-08	2.10E-07	1.49E-07	-6.13E-08
229	488099.4	3856539.39	9.44E-07	6.52E-07	-2.93E-07	2.08E-07	1.46E-07	-6.16E-08	9.59E-08	6.74E-08	-2.85E-08	2.08E-07	1.46E-07	-6.16E-08
230	488149.4	3856539.39	9.36E-07	6.40E-07	-2.95E-07	2.06E-07	1.43E-07	-6.21E-08	9.50E-08	6.63E-08	-2.87E-08	2.06E-07	1.43E-07	-6.21E-08
231	488049.4	3856589.39	9.76E-07	6.79E-07	-2.97E-07	2.14E-07	1.52E-07	-6.24E-08	9.91E-08	7.02E-08	-2.89E-08	2.14E-07	1.52E-07	-6.24E-08
232	488099.4	3856589.39	9.65E-07	6.66E-07	-2.99E-07	2.12E-07	1.49E-07	-6.29E-08	9.80E-08	6.89E-08	-2.91E-08	2.12E-07	1.49E-07	-6.29E-08
233	488149.4	3856589.39	9.55E-07	6.55E-07	-3.01E-07	2.10E-07	1.47E-07	-6.33E-08	9.70E-08	6.77E-08	-2.93E-08	2.10E-07	1.47E-07	-6.33E-08
234	488199.4	3856589.39	9.44E-07	6.43E-07	-3.02E-07	2.08E-07	1.44E-07	-6.36E-08	9.59E-08	6.65E-08	-2.94E-08	2.08E-07	1.44E-07	-6.36E-08
235	488249.4	3856589.39	9.40E-07	6.34E-07	-3.06E-07	2.07E-07	1.42E-07	-6.46E-08	9.54E-08	6.56E-08	-2.99E-08	2.07E-07	1.42E-07	-6.46E-08
236	488049.4	3856639.39	9.97E-07	6.95E-07	-3.02E-07	2.19E-07	1.56E-07	-6.34E-08	1.01E-07	7.19E-08	-2.93E-08	2.19E-07	1.56E-07	-6.34E-08
237	488099.4	3856639.39	9.86E-07	6.82E-07	-3.04E-07	2.17E-07	1.53E-07	-6.39E-08	1.00E-07	7.06E-08	-2.96E-08	2.17E-07	1.53E-07	-6.39E-08
238	488149.4	3856639.39	9.75E-07	6.69E-07	-3.06E-07	2.14E-07	1.50E-07	-6.44E-08	9.90E-08	6.92E-08	-2.98E-08	2.14E-07	1.50E-07	-6.44E-08
239	488199.4	3856639.39	9.67E-07	6.58E-07	-3.09E-07	2.12E-07	1.47E-07	-6.51E-08	9.82E-08	6.81E-08	-3.01E-08	2.12E-07	1.47E-07	-6.51E-08
240	488249.4	3856639.39	9.58E-07	6.47E-07	-3.11E-07	2.10E-07	1.45E-07	-6.56E-08	9.73E-08	6.69E-08	-3.03E-08	2.10E-07	1.45E-07	-6.56E-08
241	488299.4	3856639.39	9.50E-07	6.36E-07	-3.13E-07	2.09E-07	1.43E-07	-6.62E-08	9.65E-08	6.59E-08	-3.06E-08	2.09E-07	1.43E-07	-6.62E-08
242	488349.4	3856639.39	9.40E-07	6.26E-07	-3.14E-07	2.07E-07	1.40E-07	-6.64E-08	9.54E-08	6.48E-08	-3.07E-08	2.07E-07	1.40E-07	-6.64E-08
243	488399.4	3856639.39	9.34E-07	6.17E-07	-3.17E-07	2.05E-07	1.38E-07	-6.70E-08	9.48E-08	6.39E-08	-3.10E-08	2.05E-07	1.38E-07	-6.70E-08
244	488099.4	3856689.39	1.01E-06	6.98E-07	-3.10E-07	2.22E-07	1.56E-07	-6.52E-08	1.02E-07	7.23E-08	-3.01E-08	2.22E-07	1.56E-07	-6.52E-08
245	488149.4	3856689.39	9.97E-07	6.85E-07	-3.12E-07	2.19E-07	1.53E-07	-6.56E-08	1.01E-07	7.09E-08	-3.03E-08	2.19E-07	1.53E-07	-6.56E-08
246	488199.4	3856689.39	9.88E-07	6.73E-07	-3.15E-07	2.17E-07	1.51E-07	-6.63E-08	1.00E-07	6.96E-08	-3.07E-08	2.17E-07	1.51E-07	-6.63E-08
247	488249.4	3856689.39	9.77E-07	6.61E-07	-3.16E-07	2.15E-07	1.48E-07	-6.67E-08	9.92E-08	6.84E-08	-3.08E-08	2.15E-07	1.48E-07	-6.67E-08
248	488299.4	3856689.39	9.71E-07	6.51E-07	-3.20E-07	2.13E-07	1.46E-07	-6.76E-08	9.86E-08	6.73E-08	-3.12E-08	2.13E-07	1.46E-07	-6.76E-08
249	488349.4	3856689.39	9.61E-07	6.40E-07	-3.21E-07	2.11E-07	1.43E-07	-6.78E-08	9.76E-08	6.62E-08	-3.14E-08	2.11E-07	1.43E-07	-6.78E-08
250	488399.4	3856689.39	9.48E-07	6.28E-07	-3.20E-07	2.08E-07	1.41E-07	-6.76E-08	9.63E-08	6.50E-08	-3.13E-08	2.08E-07	1.41E-07	-6.76E-08
251	488099.4	3856739.39	1.03E-06	7.16E-07	-3.16E-07	2.27E-07	1.60E-07	-6.65E-08	1.05E-07	7.41E-08	-3.07E-08	2.27E-07	1.60E-07	-6.65E-08
252	488149.4	3856739.39	1.02E-06	7.02E-07	-3.18E-07	2.24E-07	1.57E-07	-6.68E-08	1.03E-07	7.26E-08	-3.09E-08	2.24E-07	1.57E-07	-6.68E-08
253	488199.4	3856739.39	1.01E-06	6.89E-07	-3.22E-07	2.22E-07	1.54E-07	-6.78E-08	1.03E-07	7.13E-08	-3.13E-08	2.22E-07	1.54E-07	-6.78E-08
254	488249.4	3856739.39	9.99E-07	6.76E-07	-3.23E-07	2.20E-07	1.51E-07	-6.81E-08	1.01E-07	7.00E-08	-3.15E-08	2.20E-07	1.51E-07	-6.81E-08
255	488299.4	3856739.39	9.86E-07	6.63E-07	-3.22E-07	2.17E-07	1.49E-07	-6.81E-08	1.00E-07	6.87E-08	-3.15E-08	2.17E-07	1.49E-07	-6.81E-08
256	488349.4	3856739.39	9.80E-07	6.53E-07	-3.27E-07	2.15E-07	1.46E-07	-6.91E-08	9.96E-08	6.76E-08	-3.20E-08	2.15E-07	1.46E-07	-6.91E-08
257	488399.4	3856739.39	9.75E-07	6.44E-07	-3.31E-07	2.14E-07	1.44E-07	-7.01E-08	9.90E-08	6.66E-08	-3.24E-08	2.14E-07	1.44E-07	-7.01E-08
258	487999.4	3856789.39	1.08E-06	7.67E-07	-3.09E-07	2.36E-07	1.72E-07	-6.47E-08	1.09E-07	7.93E-08	-2.99E-08	2.36E-07	1.72E-07	-6.47E-08
259	488049.4	3856789.39	1.06E-06	7.50E-07	-3.14E-07	2.34E-07	1.68E-07	-6.59E-08	1.08E-07	7.76E-08	-3.05E-08	2.34E-07	1.68E-07	-6.59E-08
260	488099.4	3856789.39	1.06E-06	7.35E-07	-3.21E-07	2.32E-07	1.65E-07	-6.75E-08	1.07E-07	7.61E-08	-3.12E-08	2.32E-07	1.65E-07	-6.75E-08
261	488149.4	3856789.39	1.04E-06	7.20E-07	-3.24E-07	2.29E-07	1.61E-07	-6.81E-08	1.06E-07	7.45E-08	-3.15E-08	2.29E-07	1.61E-07	-6.81E-08
262	488199.4	3856789.39	1.03E-06	7.06E-07	-3.27E-07	2.27E-07	1.58E-07	-6.90E-08	1.05E-07	7.31E-08	-3.19E-08	2.27E-07	1.58E-07	-6.90E-08
263	488249.4	3856789.39	1.02E-06	6.92E-07	-3.29E-07	2.25E-07	1.55E-07	-6.95E-08	1.04E-07	7.17E-08	-3.21E-08	2.25E-07	1.55E-07	-6.95E-08
264	488299.4	3856789.39	1.01E-06	6.79E-07	-3.30E-07	2.22E-07	1.52E-07	-6.96E-08	1.02E-07	7.03E-08	-3.22E-08	2.22E-07	1.52E-07	-6.96E-08
265	488349.4	3856789.39	1.00E-06	6.68E-07	-3.35E-07	2.21E-07	1.50E-07	-7.09E-08	1.02E-07	6.92E-08	-3.28E-08	2.21E-07	1.50E-07	-7.09E-08
266	488399.4	3856789.39	9.96E-07	6.57E-07	-3.38E-07	2.19E-07	1.47E-07	-7.16E-08	1.01E-07	6.80E-08	-3.31E-08	2.19E-07	1.47E-07	-7.16E-08
267	487949.4	3856839.39	1.11E-06	8.08E-07	-3.06E-07	2.45E-07	1.81E-07	-6.39E-08	1.13E-07	8.37E-08	-2.95E-08	2.45E-07	1.81E-07	-6.39E-08
268	487999.4	3856839.39	1.10E-06	7.89E-07	-3.13E-07	2.42E-07	1.77E-07	-6.54E-08	1.12E-07	8.17E-08	-3.02E-08	2.42E-07	1.77E-07	-6.54E-08
269	488049.4	3856839.39	1.09E-06	7.71E-07	-3.18E-07	2.39E-07	1.73E-07	-6.67E-08	1.11E-07	7.98E-08	-3.08E-08	2.39E-07	1.73E-07	-6.67E-08
270	488099.4	3856839.39	1.08E-06	7.55E-07	-3.24E-07	2.37E-07	1.69E-07	-6.80E-08	1.10E-07	7.81E-08	-3.14E-08	2.37E-07	1.69E-07	-6.80E-08
271	488149.4	3856839.39	1.07E-06	7.39E-07	-3.29E-07	2.35E-07	1.65E-07	-6.91E-08	1.08E-07	7.65E-08	-3.20E-08	2.35E-07	1.65E-07	-6.91E-08
272	488199.4	3856839.39	1.06E-06	7.24E-07	-3.34E-07	2.32E-07	1.62E-07	-7.02E-08	1.07E-07	7.49E-08	-3.25E-08	2.32E-07	1.62E-07	-7.02E-08
273	487949.4	3856889.39	1.14E-06	8.33E-07	-3.07E-07	2.51E-07	1.87E-07	-6.40E-08	1.16E-07	8.62E-08	-2.96E-08	2.51E-07	1.87E-07	-6.40E-08
274	487999.4	3856889.39	1.13E-06	8.14E-07	-3.17E-07	2.48E-07	1.82E-07	-6.63E-08	1.15E-07	8.42E-08	-3.06E-08	2.48E-07	1.82E-07	-6.63E-08
275	488049.4	3856889.39	1.11E-06	7.93E-07	-3.21E-07	2.45E-07	1.78E-07	-6.72E-08	1.13E-07	8.21E-08	-3.11E-08	2.45E-07	1.78E-07	-6.72E-08
276	488099.4	3856889.39	1.10E-06	7.76E-07	-3.29E-07	2.43E-07	1.74E-07	-6.90E-08	1.12E-07	8.03E-08	-3.19E-08	2.43E-07	1.74E-07	-6.90E-08
277	488635.9	3857895.05	1.91E-06	1.24E-06	-6.70E-07	4.20E-07	2.78E-07	-1.42E-07	1.94E-07	1.28E-07	-6.56E-08	4.20E-07	2.78E-07	-1.42E-07
278	489137.6	3857804.15	1.44E-06	8.53E-07	-5.85E-07	3.16E-07	1.91E-07	-1.25E-07	1.46E-07	8.82E-08	-5.77E-08	3.16E-07	1.91E-07	-1.25E-07
279	488617.3	3857859.41	1.86E-06	1.21E-06	-6.49E-07	4.09E-07	2.72E-07	-1.37E-07	1.89E-07	1.26E-07	-6.35E-08	4.09E-07	2.72E-07	-1.37E-07
280	488667.3	3857859.41	1.82E-06	1.17E-06	-6.49E-07	3.99E-07	2.62E-07	-1.38E-07	1.85E-07	1.21E-07	-6.36E-08	3.99E-07	2.62E-07	-1.38E-07
281	488717.3	3857859.41	1.77E-06	1.13E-06	-6.48E-07	3.90E-07	2.52E-07	-1.38E-07	1.80E-07	1.17E-07	-6.36E-08	3.90E-07	2.52E-07	-1.38E-07
282	488767.3	3857859.41	1.74E-06	1.09E-06	-6.48E-07	3.82E-07	2.44E-07	-1.38E-07	1.77E-07	1.13E-07	-6.37E-08	3.82E-07	2.44E-07	-1.38E-07
283	488617.3	3857909.41	1.96E-06	1.28E-06	-6.77E-07	4.30E-07	2.86E-07	-1.43E-07	1.99E-07	1.32E-07	-6.63E-08	4.30E-07	2.86E-07	-1.43E-07
284	488667.3	3857909.41	1.91E-06	1.23E-06	-6.82E-07	4.21E-07	2.76E-07	-1.45E-07	1.94E-07	1.28E-07	-6.68E-08	4.21E-07	2.76E-07	-1.45E-07
285	488717.3	3857909.41	1.86E-06	1.18E-06	-6.79E-07	4.09E-07	2.65E-07	-1.44E-07	1.89E-07	1.22E-07	-6.66E-08	4.09E-07	2.65E-07	-1.44E-07
286	488767.3	3857909.41	1.82E-06	1.14E-06	-6.78E-07	4.00E-07	2.56E-07	-1.44E-07	1.85E-07	1.18E-07	-6.66E-08	4.00E-07	2.56E-07	-1.44E-07
287	488417.3	3857959.41	2.31E-06	1.66E-06	-6.51E-07	5.07E-07	3.71E-07	-1.36E-07	2.34E-07	1.71E-07	-6.29E-08	5.07E-07	3.71E-07	-1.36E-07
288	488467.3	3857959.41	2.24E-06	1.57E-06	-6.75E-07	4.92E-07	3.51E-07	-1.42E-07	2.28E-07	1.62E-07	-6.55E-08	4.92E-07	3.51E-07	-1.42E-07
289	488517.3	3857959.41	2.18E-06	1.49E-06	-6.92E-07	4.79E-07	3.33E-07	-1.46E-07	2.21E-07	1.54E-07	-6.74E-08	4.79E-07	3.33E-07	-1.46E-07
290	488567.3	3857959.41	2.12E-06	1.42E-06	-7.05E-07	4.67E-07	3.18E-07	-1.49E-07	2.16E-07	1.47E-07	-6.88E-08	4.67E-07	3.18E-07	-1.49E-07
291	488617.3	3857959.41	2.07E-06	1.36E-06	-7.11E-07	4.54E-07	3.04E-07	-1.50E-07	2.10E-07	1.40E-07	-6.95E-08	4.54E-07	3.04E-07	-1.50E-07
292	488667.3	3857959.41	2.01E-06	1.30E-06	-7.13E-07	4.42E-07	2.91E-07	-1.51E-07	2.04E-07	1.34E-07	-6.99E-08	4.42E-07	2.91E-07	-1.51E-07
293	488717.3	3857959.41	1.96E-06	1.25E-06	-7.14E-07	4.31E-07	2.80E-07	-1.52E-07	1.99E-07	1.29E-07	-7.00E-08	4.31E-07	2.80E-07	-1.52E-07
294	488767.3	3857959.41	1.91E-06	1.20E-06	-7.12E-07	4.21E-07	2.69E-07	-1.51E-07	1.94E-07	1.24E-07	-6.99E-08	4.21E-07	2.69E-07	-1.51E-07
295	488417.3	3858009.41	2.46E-06	1.79E-06	-6.69E-07	5.41E-07	4.01E-07	-1.40E-07	2.50E-07	1.85E-07	-6.45E-08	5.41E-07	4.01E-07	-1.40E-07
296	488467.3	3858009.41	2.39E-06	1.69E-06	-7.01E-07	5.25E-07	3.78E-07	-1.47E-07	2.43E-07	1.75E-07	-6.79E-08	5.25E-07	3.78E-07	-1.47E-07
297	488517.3	3858009.41	2.32E-06	1.60E-06	-7.23E-07	5.10E-07	3.57E-07	-1.52E-07	2.35E-07	1.65E-07	-7.03E-08	5.10E-07	3.57E-07	-1.52E-07
298	488567.3	3858009.41	2.26E-06	1.52E-06	-7.38E-07	4.95E-07	3.40E-07	-1.56E-07	2.29E-07	1.57E-07	-7.20E-08	4.95E-07	3.40E-07	-1.56E-07
299	488617.3	3858009.41	2.19E-06	1.44E-06	-7.46E-07	4.81E-07	3.23E-07	-1.58E-07	2.22E-07	1.49E-07	-7.29E-08	4.81E-07	3.23E-07	-1.58E-07
300	488667.3	3858009.41	2.13E-06	1.38E-06	-7.49E-07	4.67E-07	3.08E-07	-1.59E-07	2.16E-07	1.43E-07	-7.33E-08	4.67E-07	3.08E-07	-1.59E-07
301	488717.3	3858009.41	2.07E-06	1.32E-06	-7.50E-07	4.55E-07	2.96E-07	-1.59E-07	2.10E-07	1.37E-07	-7.35E-08	4.55E-07	2.96E-07	-1.59E-07
302	488767.3	3858009.41	2.02E-06	1.27E-06	-7.48E-07	4.43E-07	2.84E-07	-1.59E-07	2.05E-07	1.31E-07	-7.35E-08	4.43E-07	2.84E-07	-1.59E-07
303	488417.3	3858059.41	2.64E-06	1.96E-06	-6.87E-07	5.81E-07	4.38E-07	-1.43E-07	2.69E-07	2.03E-07	-6.59E-08	5.81E-07	4.38E-07	-1.43E-07
304	488467.3	3858059.41	2.56E-06	1.83E-06	-7.28E-07	5.62E-07	4.10E-07	-1.52E-07	2.60E-07	1.90E-07	-7.03E-08	5.62E-07	4.10E-07	-1.52E-07
305	488517.3	3858059.41	2.48E-06	1.72E-06	-7.56E-07	5.44E-07	3.86E-07	-1.59E-07	2.52E-07	1.78E-07	-7.34E-08	5.44E-07	3.86E-07	-1.59E-07
306	488567.3	3858059.41	2.40E-06	1.63E-06	-7.74E-07	5.28E-07	3.65E-07	-1.63E-07	2.44E-07	1.69E-07	-7.54E-08	5.28E-07	3.65E-07	-1.63E-07
307	488617.3	3858059.41	2.33E-06	1.55E-06	-7.86E-07	5.12E-07	3.46E-07	-1.66E-07	2.37E-07	1.60E-07	-7.68E-08	5.12E-07	3.46E-07	-1.66E-07
308	488667.3	3858059.41	2.26E-06	1.47E-06	-7.90E-07	4.97E-07	3.29E-07	-1.67E-07	2.30E-07	1.52E-07	-7.74E-08	4.97E-07	3.29E-07	-1.67E-07
309	488417.3	3858109.41	2.84E-06	2.14E-06	-6.98E-07	6.25E-07	4.80E-07	-1.44E-07	2.89E-07	2.22E-07	-6.67E-08	6.25E-07	4.80E-07	-1.44E-07
310	488467.3	3858109.41	2.75E-06	2.00E-06	-7.52E-07	6.04E-07	4.47E-07	-1.57E-07	2.79E-07	2.07E-07	-7.25E-08	6.04E-07	4.47E-07	-1.57E-07
311	488517.3	3858109.41	2.66E-06	1.87E-06	-7.89E-07	5.84E-07	4.19E-07	-1.65E-07	2.70E-07	1.94E-07	-7.64E-08	5.84E-07	4.19E-07	-1.65E-07
312	488567.3	3858109.41	2.57E-06	1.76E-06	-8.13E-07	5.65E-07	3.94E-07	-1.71E-07	2.61E-07	1.82E-07	-7.92E-08	5.65E-07	3.94E-07	-1.71E-07
313	488617.3	3858109.41	2.49E-06	1.66E-06	-8.30E-07	5.48E-07	3.72E-07	-1.75E-07	2.53E-07	1.72E-07	-8.11E-08	5.48E-07	3.72E-07	-1.75E-07

314	488667.3	3858109.41	2.41E-06	1.57E-06	-8.35E-07	5.29E-07	3.52E-07	-1.77E-07	2.45E-07	1.63E-07	-8.17E-08	5.29E-07	3.52E-07	-1.77E-07
315	488769.9	3858449.27	3.83E-06	2.49E-06	-1.34E-06	8.42E-07	5.59E-07	-2.83E-07	3.89E-07	2.58E-07	-1.31E-07	8.42E-07	5.59E-07	-2.83E-07
316	488819.9	3858449.27	3.62E-06	2.29E-06	-1.33E-06	7.96E-07	5.14E-07	-2.82E-07	3.68E-07	2.37E-07	-1.30E-07	7.96E-07	5.14E-07	-2.82E-07
317	488819.9	3858499.27	4.03E-06	2.57E-06	-1.46E-06	8.85E-07	5.75E-07	-3.10E-07	4.09E-07	2.66E-07	-1.43E-07	8.85E-07	5.75E-07	-3.10E-07
318	488869.9	3858499.27	3.80E-06	2.36E-06	-1.44E-06	8.34E-07	5.28E-07	-3.06E-07	3.85E-07	2.44E-07	-1.42E-07	8.34E-07	5.28E-07	-3.06E-07
319	488869.9	3858549.27	4.24E-06	2.64E-06	-1.60E-06	9.32E-07	5.92E-07	-3.40E-07	4.31E-07	2.74E-07	-1.57E-07	9.32E-07	5.92E-07	-3.40E-07
320	489438.2	3859571.48	2.10E-06	1.13E-06	-9.63E-07	4.60E-07	2.54E-07	-2.07E-07	2.13E-07	1.17E-07	-9.55E-08	4.60E-07	2.54E-07	-2.07E-07
321	489488.2	3859571.48	2.29E-06	1.24E-06	-1.05E-06	5.04E-07	2.78E-07	-2.26E-07	2.33E-07	1.28E-07	-1.04E-07	5.04E-07	2.78E-07	-2.26E-07
322	489538.2	3859571.48	2.53E-06	1.37E-06	-1.16E-06	5.57E-07	3.08E-07	-2.49E-07	2.57E-07	1.42E-07	-1.15E-07	5.57E-07	3.08E-07	-2.49E-07
323	489588.2	3859571.48	2.83E-06	1.54E-06	-1.29E-06	6.22E-07	3.44E-07	-2.78E-07	2.87E-07	1.59E-07	-1.28E-07	6.22E-07	3.44E-07	-2.78E-07
324	489438.2	3859621.48	1.81E-06	9.79E-07	-8.31E-07	3.98E-07	2.19E-07	-1.78E-07	1.84E-07	1.01E-07	-8.24E-08	3.98E-07	2.19E-07	-1.78E-07
325	489488.2	3859621.48	1.95E-06	1.06E-06	-8.94E-07	4.29E-07	2.37E-07	-1.92E-07	1.98E-07	1.09E-07	-8.88E-08	4.29E-07	2.37E-07	-1.92E-07
326	489538.2	3859621.48	2.12E-06	1.15E-06	-9.70E-07	4.66E-07	2.57E-07	-2.08E-07	2.15E-07	1.19E-07	-9.63E-08	4.66E-07	2.57E-07	-2.08E-07
327	489588.2	3859621.48	2.33E-06	1.26E-06	-1.06E-06	5.11E-07	2.83E-07	-2.28E-07	2.36E-07	1.31E-07	-1.05E-07	5.11E-07	2.83E-07	-2.28E-07
328	489238.2	3859671.48	1.28E-06	6.92E-07	-5.90E-07	2.82E-07	1.55E-07	-1.27E-07	1.30E-07	7.16E-08	-5.86E-08	2.82E-07	1.55E-07	-1.27E-07
329	489288.2	3859671.48	1.35E-06	7.27E-07	-6.19E-07	2.96E-07	1.63E-07	-1.33E-07	1.37E-07	7.53E-08	-6.15E-08	2.96E-07	1.63E-07	-1.33E-07
330	489338.2	3859671.48	1.42E-06	7.68E-07	-6.52E-07	3.12E-07	1.72E-07	-1.40E-07	1.44E-07	7.95E-08	-6.48E-08	3.12E-07	1.72E-07	-1.40E-07
331	489388.2	3859671.48	1.51E-06	8.15E-07	-6.91E-07	3.31E-07	1.82E-07	-1.48E-07	1.53E-07	8.43E-08	-6.86E-08	3.31E-07	1.82E-07	-1.48E-07
332	489438.2	3859671.48	1.60E-06	8.65E-07	-7.33E-07	3.51E-07	1.94E-07	-1.57E-07	1.62E-07	8.95E-08	-7.27E-08	3.51E-07	1.94E-07	-1.57E-07
333	489488.2	3859671.48	1.71E-06	9.26E-07	-7.82E-07	3.75E-07	2.07E-07	-1.68E-07	1.73E-07	9.58E-08	-7.77E-08	3.75E-07	2.07E-07	-1.68E-07
334	489538.2	3859671.48	1.83E-06	9.94E-07	-8.39E-07	4.03E-07	2.23E-07	-1.80E-07	1.86E-07	1.03E-07	-8.33E-08	4.03E-07	2.23E-07	-1.80E-07
335	489588.2	3859671.48	1.98E-06	1.07E-06	-9.05E-07	4.35E-07	2.41E-07	-1.94E-07	2.01E-07	1.11E-07	-8.98E-08	4.35E-07	2.41E-07	-1.94E-07
336	489238.2	3859721.48	1.18E-06	6.37E-07	-5.43E-07	2.59E-07	1.43E-07	-1.17E-07	1.20E-07	6.60E-08	-5.39E-08	2.59E-07	1.43E-07	-1.17E-07
337	489288.2	3859721.48	1.24E-06	6.68E-07	-5.68E-07	2.72E-07	1.50E-07	-1.22E-07	1.26E-07	6.91E-08	-5.64E-08	2.72E-07	1.50E-07	-1.22E-07
338	489338.2	3859721.48	1.30E-06	7.01E-07	-5.94E-07	2.85E-07	1.57E-07	-1.28E-07	1.32E-07	7.25E-08	-5.90E-08	2.85E-07	1.57E-07	-1.28E-07
339	489388.2	3859721.48	1.36E-06	7.37E-07	-6.24E-07	2.99E-07	1.65E-07	-1.34E-07	1.38E-07	7.63E-08	-6.20E-08	2.99E-07	1.65E-07	-1.34E-07
340	489438.2	3859721.48	1.43E-06	7.78E-07	-6.57E-07	3.15E-07	1.74E-07	-1.41E-07	1.46E-07	8.05E-08	-6.52E-08	3.15E-07	1.74E-07	-1.41E-07
341	489488.2	3859721.48	1.52E-06	8.25E-07	-6.96E-07	3.34E-07	1.85E-07	-1.49E-07	1.54E-07	8.54E-08	-6.91E-08	3.34E-07	1.85E-07	-1.49E-07
342	489538.2	3859721.48	1.62E-06	8.78E-07	-7.40E-07	3.55E-07	1.97E-07	-1.59E-07	1.64E-07	9.08E-08	-7.34E-08	3.55E-07	1.97E-07	-1.59E-07
343	489588.2	3859721.48	1.73E-06	9.38E-07	-7.89E-07	3.79E-07	2.10E-07	-1.69E-07	1.75E-07	9.70E-08	-7.83E-08	3.79E-07	2.10E-07	-1.69E-07
344	489238.2	3859771.48	1.09E-06	5.92E-07	-5.03E-07	2.41E-07	1.33E-07	-1.08E-07	1.11E-07	6.12E-08	-4.99E-08	2.41E-07	1.33E-07	-1.08E-07
345	489288.2	3859771.48	1.14E-06	6.18E-07	-5.24E-07	2.51E-07	1.38E-07	-1.12E-07	1.16E-07	6.39E-08	-5.20E-08	2.51E-07	1.38E-07	-1.12E-07
346	489338.2	3859771.48	1.19E-06	6.45E-07	-5.45E-07	2.61E-07	1.44E-07	-1.17E-07	1.21E-07	6.67E-08	-5.41E-08	2.61E-07	1.44E-07	-1.17E-07
347	489388.2	3859771.48	1.24E-06	6.74E-07	-5.70E-07	2.73E-07	1.51E-07	-1.22E-07	1.26E-07	6.98E-08	-5.65E-08	2.73E-07	1.51E-07	-1.22E-07
348	489438.2	3859771.48	1.30E-06	7.07E-07	-5.97E-07	2.86E-07	1.58E-07	-1.28E-07	1.32E-07	7.32E-08	-5.92E-08	2.86E-07	1.58E-07	-1.28E-07
349	489488.2	3859771.48	1.37E-06	7.45E-07	-6.28E-07	3.02E-07	1.67E-07	-1.35E-07	1.39E-07	7.71E-08	-6.23E-08	3.02E-07	1.67E-07	-1.35E-07
350	489538.2	3859771.48	1.45E-06	7.87E-07	-6.61E-07	3.18E-07	1.76E-07	-1.42E-07	1.47E-07	8.14E-08	-6.56E-08	3.18E-07	1.76E-07	-1.42E-07
351	489588.2	3859771.48	1.53E-06	8.32E-07	-6.99E-07	3.37E-07	1.86E-07	-1.50E-07	1.56E-07	8.61E-08	-6.94E-08	3.37E-07	1.86E-07	-1.50E-07
352	489238.2	3859821.48	1.02E-06	5.53E-07	-4.69E-07	2.25E-07	1.24E-07	-1.01E-07	1.04E-07	5.72E-08	-4.66E-08	2.25E-07	1.24E-07	-1.01E-07
353	489288.2	3859821.48	1.06E-06	5.75E-07	-4.87E-07	2.33E-07	1.29E-07	-1.05E-07	1.08E-07	5.95E-08	-4.83E-08	2.33E-07	1.29E-07	-1.05E-07
354	489338.2	3859821.48	1.10E-06	5.97E-07	-5.05E-07	2.42E-07	1.34E-07	-1.08E-07	1.12E-07	6.18E-08	-5.01E-08	2.42E-07	1.34E-07	-1.08E-07
355	489388.2	3859821.48	1.15E-06	6.23E-07	-5.25E-07	2.52E-07	1.39E-07	-1.13E-07	1.17E-07	6.44E-08	-5.21E-08	2.52E-07	1.39E-07	-1.13E-07
356	489438.2	3859821.48	1.20E-06	6.51E-07	-5.48E-07	2.63E-07	1.46E-07	-1.18E-07	1.22E-07	6.73E-08	-5.43E-08	2.63E-07	1.46E-07	-1.18E-07
357	489488.2	3859821.48	1.25E-06	6.81E-07	-5.73E-07	2.76E-07	1.53E-07	-1.23E-07	1.27E-07	7.05E-08	-5.68E-08	2.76E-07	1.53E-07	-1.23E-07
358	489538.2	3859821.48	1.31E-06	7.14E-07	-6.00E-07	2.89E-07	1.60E-07	-1.29E-07	1.33E-07	7.38E-08	-5.95E-08	2.89E-07	1.60E-07	-1.29E-07
359	489588.2	3859821.48	1.38E-06	7.49E-07	-6.29E-07	3.03E-07	1.68E-07	-1.35E-07	1.40E-07	7.75E-08	-6.24E-08	3.03E-07	1.68E-07	-1.35E-07
360	489238.2	3859871.48	9.59E-07	5.19E-07	-4.40E-07	2.11E-07	1.16E-07	-9.45E-08	9.74E-08	5.37E-08	-4.37E-08	2.11E-07	1.16E-07	-9.45E-08
361	489288.2	3859871.48	9.92E-07	5.37E-07	-4.55E-07	2.18E-07	1.20E-07	-9.77E-08	1.01E-07	5.56E-08	-4.51E-08	2.18E-07	1.20E-07	-9.77E-08
362	489338.2	3859871.48	1.03E-06	5.57E-07	-4.70E-07	2.26E-07	1.25E-07	-1.01E-07	1.04E-07	5.76E-08	-4.67E-08	2.26E-07	1.25E-07	-1.01E-07
363	489388.2	3859871.48	1.07E-06	5.79E-07	-4.88E-07	2.34E-07	1.30E-07	-1.05E-07	1.08E-07	5.99E-08	-4.84E-08	2.34E-07	1.30E-07	-1.05E-07
364	489438.2	3859871.48	1.11E-06	6.03E-07	-5.07E-07	2.44E-07	1.35E-07	-1.09E-07	1.13E-07	6.24E-08	-5.03E-08	2.44E-07	1.35E-07	-1.09E-07
365	489488.2	3859871.48	1.15E-06	6.27E-07	-5.26E-07	2.53E-07	1.40E-07	-1.13E-07	1.17E-07	6.49E-08	-5.22E-08	2.53E-07	1.40E-07	-1.13E-07
366	489538.2	3859871.48	1.20E-06	6.53E-07	-5.48E-07	2.64E-07	1.46E-07	-1.18E-07	1.22E-07	6.76E-08	-5.44E-08	2.64E-07	1.46E-07	-1.18E-07
367	489588.2	3859871.48	1.25E-06	6.82E-07	-5.71E-07	2.75E-07	1.53E-07	-1.23E-07	1.27E-07	7.05E-08	-5.67E-08	2.75E-07	1.53E-07	-1.23E-07
368	489238.2	3859921.48	9.06E-07	4.90E-07	-4.16E-07	1.99E-07	1.10E-07	-8.93E-08	9.20E-08	5.07E-08	-4.13E-08	1.99E-07	1.10E-07	-8.93E-08
369	489288.2	3859921.48	9.35E-07	5.06E-07	-4.28E-07	2.05E-07	1.13E-07	-9.20E-08	9.49E-08	5.24E-08	-4.25E-08	2.05E-07	1.13E-07	-9.20E-08
370	489338.2	3859921.48	9.65E-07	5.24E-07	-4.42E-07	2.12E-07	1.17E-07	-9.48E-08	9.80E-08	5.42E-08	-4.38E-08	2.12E-07	1.17E-07	-9.48E-08
371	489388.2	3859921.48	9.98E-07	5.42E-07	-4.56E-07	2.19E-07	1.21E-07	-9.80E-08	1.01E-07	5.61E-08	-4.53E-08	2.19E-07	1.21E-07	-9.80E-08
372	489438.2	3859921.48	1.03E-06	5.61E-07	-4.71E-07	2.27E-07	1.26E-07	-1.01E-07	1.05E-07	5.80E-08	-4.67E-08	2.27E-07	1.26E-07	-1.01E-07
373	489488.2	3859921.48	1.07E-06	5.80E-07	-4.87E-07	2.34E-07	1.30E-07	-1.05E-07	1.08E-07	6.00E-08	-4.83E-08	2.34E-07	1.30E-07	-1.05E-07
374	489538.2	3859921.48	1.11E-06	6.02E-07	-5.04E-07	2.43E-07	1.35E-07	-1.08E-07	1.12E-07	6.23E-08	-5.00E-08	2.43E-07	1.35E-07	-1.08E-07
375	489588.2	3859921.48	1.14E-06	6.22E-07	-5.20E-07	2.51E-07	1.39E-07	-1.12E-07	1.16E-07	6.44E-08	-5.16E-08	2.51E-07	1.39E-07	-1.12E-07
376	489238.2	3859971.48	8.59E-07	4.65E-07	-3.94E-07	1.89E-07	1.04E-07	-8.46E-08	8.72E-08	4.81E-08	-3.91E-08	1.89E-07	1.04E-07	-8.46E-08
377	489288.2	3859971.48	8.83E-07	4.79E-07	-4.04E-07	1.94E-07	1.07E-07	-8.69E-08	8.97E-08	4.96E-08	-4.01E-08	1.94E-07	1.07E-07	-8.69E-08
378	489338.2	3859971.48	9.10E-07	4.94E-07	-4.16E-07	2.00E-07	1.11E-07	-8.94E-08	9.24E-08	5.11E-08	-4.13E-08	2.00E-07	1.11E-07	-8.94E-08
379	489388.2	3859971.48	9.37E-07	5.09E-07	-4.28E-07	2.06E-07	1.14E-07	-9.19E-08	9.52E-08	5.27E-08	-4.25E-08	2.06E-07	1.14E-07	-9.19E-08
380	489438.2	3859971.48	9.59E-07	5.22E-07	-4.37E-07	2.11E-07	1.17E-07	-9.38E-08	9.74E-08	5.40E-08	-4.34E-08	2.11E-07	1.17E-07	-9.38E-08
381	489488.2	3859971.48	9.72E-07	5.30E-07	-4.42E-07	2.14E-07	1.19E-07	-9.49E-08	9.87E-08	5.49E-08	-4.38E-08	2.14E-07	1.19E-07	-9.49E-08
382	489538.2	3859971.48	9.86E-07	5.39E-07	-4.47E-07	2.17E-07	1.21E-07	-9.60E-08	1.00E-07	5.57E-08	-4.44E-08	2.17E-07	1.21E-07	-9.60E-08
383	489588.2	3859971.48	1.00E-06	5.48E-07	-4.55E-07	2.20E-07	1.23E-07	-9.76E-08	1.02E-07	5.67E-08	-4.51E-08	2.20E-07	1.23E-07	-9.76E-08
384	483577.7	3854071	2.09E-06	1.93E-06	-1.57E-07	4.58E-07	4.32E-07	-2.63E-08	2.12E-07	2.00E-07	-1.21E-08	4.58E-07	4.32E-07	-2.63E-08
385	483627.7	3854071	1.96E-06	1.77E-06	-1.88E-07	4.31E-07	3.97E-07	-3.39E-08	1.99E-07	1.84E-07	-1.57E-08	4.31E-07	3.97E-07	-3.39E-08
386	483677.7	3854071	1.85E-06	1.64E-06	-2.10E-07	4.07E-07	3.68E-07	-3.92E-08	1.88E-07	1.70E-07	-1.81E-08	4.07E-07	3.68E-07	-3.92E-08
387	483727.7	3854071	1.75E-06	1.53E-06	-2.23E-07	3.85E-07	3.42E-07	-4.26E-08	1.78E-07	1.58E-07	-1.97E-08	3.85E-07	3.42E-07	-4.26E-08
388	483777.7	3854071	1.65E-06	1.42E-06	-2.29E-07	3.62E-07	3.18E-07	-4.43E-08	1.67E-07	1.47E-07	-2.05E-08	3.62E-07	3.18E-07	-4.43E-08
389	483577.7	3854121	2.10E-06	2.21E-06	1.10E-07	4.62E-07	4.96E-07	3.35E-08	2.14E-07	2.29E-07	1.55E-08	4.62E-07	4.96E-07	3.35E-08
390	483627.7	3854121	1.97E-06	2.00E-06	3.06E-08	4.32E-07	4.47E-07	1.51E-08	2.00E-07	2.07E-07	6.99E-09	4.32E-07	4.47E-07	1.51E-08
391	483677.7	3854121	1.83E-06	1.81E-06	-2.34E-08	4.03E-07	4.05E-07	2.47E-09	1.86E-07	1.87E-07	1.14E-09	4.03E-07	4.05E-07	2.47E-09
392	483727.7	3854121	1.72E-06	1.65E-06	-6.26E-08	3.77E-07	3.70E-07	-6.80E-09	1.74E-07	1.71E-07	-3.14E-09	3.77E-07	3.70E-07	-6.80E-09
393	483777.7	3854121	1.63E-06	1.53E-06	-9.43E-08	3.57E-07	3.43E-07	-1.43E-08	1.65E-07	1.58E-07	-6.60E-09	3.57E-07	3.43E-07	-1.43E-08
394	483577.7	3854171	2.09E-06	2.59E-06	4.97E-07	4.60E-07	5.80E-07	1.20E-07	2.12E-07	2.68E-07	5.56E-08	4.60E-07	5.80E-07	1.20E-07
395	483627.7	3854171	1.93E-06	2.27E-06	3.38E-07	4.25E-07	5.08E-07	8.37E-08	1.96E-07	2.35E-07	3.87E-08	4.25E-07	5.08E-07	8.37E-08
396	483677.7	3854171	1.81E-06	2.03E-06	2.25E-07	3.97E-07	4.55E-07	5.79E-08	1.83E-07	2.10E-07	2.68E-08	3.97E-07	4.55E-07	5.79E-08
397	483727.7	3854171	1.70E-06	1.84E-06	1.40E-07	3.74E-07	4.13E-07	3.86E-08	1.73E-07	1.91E-07	1.78E-08	3.74E-07	4.13E-07	3.86E-08
398	483777.7	3854171	1.61E-06	1.68E-06	7.58E-08	3.53E-07	3.77E-07	2.37E-08	1.63E-07	1.74E-07	1.10E-08	3.53E-07	3.77E-07	2.37E-08
399	483827.7	3854171	1.50E-06	1.53E-06	2.68E-08	3.30E-07	3.43E-07	1.23E-08	1.53E-07	1.58E-07	5.69E-09	3.30E-07	3.43E-07	1.23E-08
400	483877.7	3854171	1.43E-06	1.42E-06	-1.01E-08	3.15E-07	3.18E-07	3.76E-09	1.45E-07	1.47E-07	1.74E-09	3.15E-07	3.18E-07	3.76E-09
401	483727.7	3854221	1.70E-06	2.11E-06	4.18E-07	3.73E-07	4.73E-07	1.01E-07	1.72E-07	2.19E-07	4.65E-08	3.73E-07	4.73E-07	1.01E-07
402	483777.7	3854221	1.60E-06	1.90E-06	3.01E-07	3.51E-07	4.25E-07	7.40E-08	1.62E-07	1.96E-07	3.42E-08	3.51E-07	4.25E-07	7.40E-08
403	483827.7	3854221	1.53E-06	1.75E-06	2.17E-07	3.36E-07	3.91E-07	5.50E-08	1.55E-07	1.81E-07	2.54E-08	3.36E-07	3.91E-07	5.50E-08
404	483877.7	3854221	1.44E-06	1.59E-06	1.47E-07	3.17E-07	3.56E-07	3.90E-08	1.47E-07	1.65E-07	1.80E-08	3.17E-07	3.56E-07	3.90E-08
405	489150.2	3858726.45	4.47E-06	2.56E-06	-1.91E-06	9.83E-07	5.74E-07	-4.09E-07	4.54E-07	2.65E-07	-1.89E-07	9.83E-07	5.74E-07	-4.09E-07
406	489200.2	3858726.45	4.19E-06	2.38E-06	-1.81E-06	9.20E-07	5.32E-07	-3.88E-07	4.25E-07	2.46E-07	-1.79E-07	9.20E-07	5.32E-07	-3.88E-07
407	489150.2	3858776.45	5.13E-06	2.96E-06	-2.17E-06	1.13E-06	6.62E-07	-4.64E-07	5.21E-07	3.06E-07	-2.15E-07	1.13E-06	6.62E-07	-4.64E-07
408	489200.2	3858776.45	4.74E-06	2.70E-06	-2.04E-06	1.04E-06	6.05E-07	-4.37E-07	4.82E-07	2.80E-07	-2.02E-07	1.04E-06	6.05E-07	-4.37E-07
409	488919.6	3856400.76	7.78E-07	4.94E-07	-2.84E-07	1.71E-07	1.11E-07	-6.02E-08	7.90E-08	5.12E-08	-2.78E-08	1.71E-07	1.11E-07	-6.02E-08
410	488919.6	3856450.76	7.92E-07	5.02E-07	-2.89E-07	1.74E-07	1.12E-07	-6.15E-08	8.04E-08	5.20E-08	-2.84E-08	1.74E-07	1.12E-07	-6.15E-08
411	488969.6	3856450.76	7.85E-07	4.96E-07	-2.89E-07	1.73E-07	1.11E-07	-6.14E-08	7.97E-08	5.14E-08	-2.84E-08	1.73E-07	1.11E-07	-6.14E-08
412	488919.6	3856500.76	8.06E-07	5.10E-07	-2.96E-07	1.77E-07	1.14E-07	-6.28E-08	8.18E-08	5.28E-08	-2.90E-08	1.77E-07	1.14E-07	-6.28E-08
413	488969.6	3856500.76	8.00E-07	5.04E-07	-2.95E-07	1.76E-07	1.13E-07	-6.28E-08	8.12E-08	5.22E-08	-2.90E-08	1.76E-07	1.13E-07	-6.28E-08
414	488919.6	3856550.76	8.21E-07	5.19E-07	-3.02E-07	1.80E-07	1.16E-07	-6.43E-08	8.34E-08	5.37E-08	-2.97E-08	1.80E-07	1.16E-07	-6.43E-08
415	488969.6	3856550.76	8.14E-07	5.13E-07	-3.01E-07	1.79E-07	1.15E-07	-6.41E-08	8.27E-08	5.30E-08	-2.96E-08	1.79E-07	1.15E-07	-6.41E-08
416	488819.6	3856600.76	8.51E-07	5.41E-07	-3.10E-07	1.87E-07	1.21E-07	-6.59E-08	8.64E-08	5.59E-08	-3.05E-08	1.87E-07	1.21E-07	-6.59E-08
417	488869.6	3856600.76	8.43E-07	5.34E-07	-3.09E-07	1.85E-07	1.20E-07	-6.57E-08	8.56E-08	5.52E-08	-3.04E-08	1.85E-07	1.20E-07	-6.57E-08
418	488919.6	3856600.76	8.37E-07	5.27E-07	-3.09E-07	1.84E-07	1.18E-07	-6.57E-08	8.49E-08	5.46E-08	-3.04E-08	1.84E-07	1.18E-07	-6.57E-08

419	488819.6	3856650.76	8.67E-07	5.50E-07	-3.17E-07	1.91E-07	1.23E-07	-6.74E-08	8.81E-08	5.69E-08	-3.12E-08	1.91E-07	1.23E-07	-6.74E-08
420	488869.6	3856650.76	8.59E-07	5.43E-07	-3.16E-07	1.89E-07	1.22E-07	-6.72E-08	8.72E-08	5.62E-08	-3.11E-08	1.89E-07	1.22E-07	-6.72E-08
421	488819.6	3856700.76	8.84E-07	5.60E-07	-3.24E-07	1.94E-07	1.25E-07	-6.89E-08	8.98E-08	5.79E-08	-3.19E-08	1.94E-07	1.25E-07	-6.89E-08
422	488869.6	3856700.76	8.75E-07	5.52E-07	-3.23E-07	1.92E-07	1.24E-07	-6.87E-08	8.89E-08	5.71E-08	-3.17E-08	1.92E-07	1.24E-07	-6.87E-08
423	488819.6	3856750.76	9.01E-07	5.70E-07	-3.32E-07	1.98E-07	1.28E-07	-7.05E-08	9.15E-08	5.90E-08	-3.26E-08	1.98E-07	1.28E-07	-7.05E-08
424	488869.6	3856750.76	8.93E-07	5.62E-07	-3.31E-07	1.96E-07	1.26E-07	-7.04E-08	9.07E-08	5.82E-08	-3.25E-08	1.96E-07	1.26E-07	-7.04E-08
425	488819.6	3857050.76	1.02E-06	6.41E-07	-3.81E-07	2.25E-07	1.44E-07	-8.11E-08	1.04E-07	6.64E-08	-3.75E-08	2.25E-07	1.44E-07	-8.11E-08
426	488869.6	3857050.76	1.01E-06	6.32E-07	-3.81E-07	2.23E-07	1.41E-07	-8.11E-08	1.03E-07	6.54E-08	-3.75E-08	2.23E-07	1.41E-07	-8.11E-08
427	488919.6	3857050.76	1.00E-06	6.22E-07	-3.81E-07	2.20E-07	1.39E-07	-8.10E-08	1.02E-07	6.44E-08	-3.74E-08	2.20E-07	1.39E-07	-8.10E-08
428	488819.6	3857100.76	1.05E-06	6.56E-07	-3.91E-07	2.30E-07	1.47E-07	-8.32E-08	1.06E-07	6.79E-08	-3.84E-08	2.30E-07	1.47E-07	-8.32E-08
429	488869.6	3857100.76	1.04E-06	6.46E-07	-3.91E-07	2.28E-07	1.45E-07	-8.31E-08	1.05E-07	6.68E-08	-3.84E-08	2.28E-07	1.45E-07	-8.31E-08
430	488919.6	3857100.76	1.03E-06	6.36E-07	-3.91E-07	2.26E-07	1.42E-07	-8.32E-08	1.04E-07	6.58E-08	-3.84E-08	2.26E-07	1.42E-07	-8.32E-08
431	488819.6	3857150.76	1.07E-06	6.72E-07	-4.01E-07	2.36E-07	1.50E-07	-8.54E-08	1.09E-07	6.95E-08	-3.95E-08	2.36E-07	1.50E-07	-8.54E-08
432	488869.6	3857150.76	1.06E-06	6.60E-07	-4.01E-07	2.33E-07	1.48E-07	-8.53E-08	1.08E-07	6.83E-08	-3.94E-08	2.33E-07	1.48E-07	-8.53E-08
433	488919.6	3857150.76	1.05E-06	6.50E-07	-4.01E-07	2.31E-07	1.46E-07	-8.53E-08	1.07E-07	6.73E-08	-3.94E-08	2.31E-07	1.46E-07	-8.53E-08
434	488969.6	3857150.76	1.04E-06	6.40E-07	-4.00E-07	2.28E-07	1.43E-07	-8.52E-08	1.06E-07	6.62E-08	-3.94E-08	2.28E-07	1.43E-07	-8.52E-08
435	488819.6	3857200.76	1.10E-06	6.88E-07	-4.12E-07	2.42E-07	1.54E-07	-8.77E-08	1.12E-07	7.12E-08	-4.05E-08	2.42E-07	1.54E-07	-8.77E-08
436	488869.6	3857200.76	1.09E-06	6.76E-07	-4.12E-07	2.39E-07	1.51E-07	-8.77E-08	1.11E-07	7.00E-08	-4.05E-08	2.39E-07	1.51E-07	-8.77E-08
437	488919.6	3857200.76	1.08E-06	6.65E-07	-4.12E-07	2.37E-07	1.49E-07	-8.76E-08	1.09E-07	6.88E-08	-4.05E-08	2.37E-07	1.49E-07	-8.76E-08
438	488969.6	3857200.76	1.07E-06	6.55E-07	-4.11E-07	2.34E-07	1.47E-07	-8.74E-08	1.08E-07	6.77E-08	-4.04E-08	2.34E-07	1.47E-07	-8.74E-08
439	488819.6	3857250.76	1.13E-06	7.05E-07	-4.24E-07	2.48E-07	1.58E-07	-9.01E-08	1.15E-07	7.30E-08	-4.16E-08	2.48E-07	1.58E-07	-9.01E-08
440	488869.6	3857250.76	1.12E-06	6.93E-07	-4.23E-07	2.45E-07	1.55E-07	-9.01E-08	1.13E-07	7.17E-08	-4.16E-08	2.45E-07	1.55E-07	-9.01E-08
441	488919.6	3857250.76	1.10E-06	6.81E-07	-4.22E-07	2.43E-07	1.53E-07	-8.99E-08	1.12E-07	7.05E-08	-4.16E-08	2.43E-07	1.53E-07	-8.99E-08
442	488969.6	3857250.76	1.09E-06	6.70E-07	-4.22E-07	2.40E-07	1.50E-07	-8.99E-08	1.11E-07	6.94E-08	-4.15E-08	2.40E-07	1.50E-07	-8.99E-08
443	488819.6	3857300.76	1.16E-06	7.24E-07	-4.36E-07	2.55E-07	1.62E-07	-9.27E-08	1.18E-07	7.49E-08	-4.28E-08	2.55E-07	1.62E-07	-9.27E-08
444	488869.6	3857300.76	1.15E-06	7.11E-07	-4.35E-07	2.52E-07	1.59E-07	-9.26E-08	1.16E-07	7.36E-08	-4.28E-08	2.52E-07	1.59E-07	-9.26E-08
445	488919.6	3857300.76	1.13E-06	6.98E-07	-4.35E-07	2.49E-07	1.56E-07	-9.26E-08	1.15E-07	7.23E-08	-4.28E-08	2.49E-07	1.56E-07	-9.26E-08
446	488819.6	3857450.76	1.26E-06	7.87E-07	-4.76E-07	2.77E-07	1.76E-07	-1.01E-07	1.28E-07	8.14E-08	-4.68E-08	2.77E-07	1.76E-07	-1.01E-07
447	488869.6	3857450.76	1.25E-06	7.71E-07	-4.75E-07	2.74E-07	1.73E-07	-1.01E-07	1.27E-07	7.98E-08	-4.68E-08	2.74E-07	1.73E-07	-1.01E-07
448	488919.6	3857450.76	1.23E-06	7.56E-07	-4.75E-07	2.71E-07	1.69E-07	-1.01E-07	1.25E-07	7.83E-08	-4.68E-08	2.71E-07	1.69E-07	-1.01E-07
449	488819.6	3857500.76	1.30E-06	8.10E-07	-4.90E-07	2.86E-07	1.81E-07	-1.04E-07	1.32E-07	8.39E-08	-4.82E-08	2.86E-07	1.81E-07	-1.04E-07
450	488869.6	3857500.76	1.28E-06	7.94E-07	-4.91E-07	2.82E-07	1.78E-07	-1.04E-07	1.30E-07	8.21E-08	-4.83E-08	2.82E-07	1.78E-07	-1.04E-07
451	488919.6	3857500.76	1.27E-06	7.78E-07	-4.90E-07	2.79E-07	1.74E-07	-1.04E-07	1.29E-07	8.05E-08	-4.83E-08	2.79E-07	1.74E-07	-1.04E-07
452	488819.6	3857550.76	1.34E-06	8.36E-07	-5.07E-07	2.95E-07	1.87E-07	-1.08E-07	1.36E-07	8.65E-08	-4.98E-08	2.95E-07	1.87E-07	-1.08E-07
453	488869.6	3857550.76	1.32E-06	8.18E-07	-5.06E-07	2.91E-07	1.83E-07	-1.08E-07	1.34E-07	8.47E-08	-4.98E-08	2.91E-07	1.83E-07	-1.08E-07
454	488919.6	3857550.76	1.31E-06	8.01E-07	-5.07E-07	2.87E-07	1.79E-07	-1.08E-07	1.33E-07	8.29E-08	-4.99E-08	2.87E-07	1.79E-07	-1.08E-07
455	489663.7	3860900.05	4.94E-07	2.70E-07	-2.24E-07	1.09E-07	6.04E-08	-4.81E-08	5.01E-08	2.79E-08	-2.22E-08	1.09E-07	6.04E-08	-4.81E-08
456	489813.7	3860900.05	5.18E-07	2.83E-07	-2.35E-07	1.14E-07	6.34E-08	-5.04E-08	5.26E-08	2.93E-08	-2.33E-08	1.14E-07	6.34E-08	-5.04E-08
457	489863.7	3860900.05	5.26E-07	2.88E-07	-2.39E-07	1.16E-07	6.44E-08	-5.12E-08	5.34E-08	2.98E-08	-2.37E-08	1.16E-07	6.44E-08	-5.12E-08
458	489913.7	3860900.05	5.35E-07	2.93E-07	-2.43E-07	1.18E-07	6.55E-08	-5.21E-08	5.43E-08	3.03E-08	-2.41E-08	1.18E-07	6.55E-08	-5.21E-08
459	489963.7	3860900.05	5.44E-07	2.97E-07	-2.47E-07	1.20E-07	6.66E-08	-5.30E-08	5.53E-08	3.08E-08	-2.45E-08	1.20E-07	6.66E-08	-5.30E-08
460	490013.7	3860900.05	5.54E-07	3.03E-07	-2.51E-07	1.22E-07	6.78E-08	-5.39E-08	5.63E-08	3.14E-08	-2.49E-08	1.22E-07	6.78E-08	-5.39E-08
461	490063.7	3860900.05	5.64E-07	3.08E-07	-2.56E-07	1.24E-07	6.91E-08	-5.49E-08	5.73E-08	3.19E-08	-2.54E-08	1.24E-07	6.91E-08	-5.49E-08
462	489663.7	3860950.05	4.80E-07	2.63E-07	-2.18E-07	1.06E-07	5.88E-08	-4.67E-08	4.88E-08	2.72E-08	-2.16E-08	1.06E-07	5.88E-08	-4.67E-08
463	489813.7	3860950.05	5.03E-07	2.75E-07	-2.28E-07	1.10E-07	6.16E-08	-4.89E-08	5.11E-08	2.84E-08	-2.26E-08	1.10E-07	6.16E-08	-4.89E-08
464	489863.7	3860950.05	5.10E-07	2.79E-07	-2.31E-07	1.12E-07	6.24E-08	-4.96E-08	5.18E-08	2.89E-08	-2.29E-08	1.12E-07	6.24E-08	-4.96E-08
465	489913.7	3860950.05	5.18E-07	2.84E-07	-2.35E-07	1.14E-07	6.35E-08	-5.03E-08	5.26E-08	2.93E-08	-2.33E-08	1.14E-07	6.35E-08	-5.03E-08
466	489963.7	3860950.05	5.27E-07	2.88E-07	-2.39E-07	1.16E-07	6.46E-08	-5.13E-08	5.35E-08	2.98E-08	-2.37E-08	1.16E-07	6.46E-08	-5.13E-08
467	490013.7	3860950.05	5.36E-07	2.93E-07	-2.43E-07	1.18E-07	6.57E-08	-5.21E-08	5.44E-08	3.03E-08	-2.41E-08	1.18E-07	6.57E-08	-5.21E-08
468	490063.7	3860950.05	5.45E-07	2.98E-07	-2.47E-07	1.20E-07	6.68E-08	-5.30E-08	5.54E-08	3.09E-08	-2.45E-08	1.20E-07	6.68E-08	-5.30E-08
469	489513.7	3861000.05	4.51E-07	2.46E-07	-2.05E-07	9.90E-08	5.51E-08	-4.39E-08	4.58E-08	2.55E-08	-2.03E-08	9.90E-08	5.51E-08	-4.39E-08
470	489563.7	3861000.05	4.56E-07	2.49E-07	-2.07E-07	1.00E-07	5.58E-08	-4.44E-08	4.63E-08	2.58E-08	-2.05E-08	1.00E-07	5.58E-08	-4.44E-08
471	489613.7	3861000.05	4.62E-07	2.53E-07	-2.10E-07	1.02E-07	5.66E-08	-4.50E-08	4.69E-08	2.61E-08	-2.08E-08	1.02E-07	5.66E-08	-4.50E-08
472	489663.7	3861000.05	4.69E-07	2.56E-07	-2.13E-07	1.03E-07	5.73E-08	-4.56E-08	4.76E-08	2.65E-08	-2.11E-08	1.03E-07	5.73E-08	-4.56E-08
473	489713.7	3861000.05	4.75E-07	2.60E-07	-2.15E-07	1.04E-07	5.82E-08	-4.62E-08	4.82E-08	2.69E-08	-2.13E-08	1.04E-07	5.82E-08	-4.62E-08
474	489763.7	3861000.05	4.81E-07	2.63E-07	-2.18E-07	1.06E-07	5.89E-08	-4.68E-08	4.89E-08	2.72E-08	-2.16E-08	1.06E-07	5.89E-08	-4.68E-08
475	489813.7	3861000.05	4.88E-07	2.67E-07	-2.21E-07	1.07E-07	5.99E-08	-4.74E-08	4.96E-08	2.77E-08	-2.19E-08	1.07E-07	5.99E-08	-4.74E-08
476	489863.7	3861000.05	4.96E-07	2.71E-07	-2.24E-07	1.09E-07	6.07E-08	-4.82E-08	5.03E-08	2.81E-08	-2.23E-08	1.09E-07	6.07E-08	-4.82E-08
477	489913.7	3861000.05	5.04E-07	2.76E-07	-2.28E-07	1.11E-07	6.17E-08	-4.90E-08	5.12E-08	2.85E-08	-2.26E-08	1.11E-07	6.17E-08	-4.90E-08
478	489963.7	3861000.05	5.11E-07	2.80E-07	-2.31E-07	1.12E-07	6.26E-08	-4.96E-08	5.19E-08	2.89E-08	-2.29E-08	1.12E-07	6.26E-08	-4.96E-08
479	490013.7	3861000.05	5.20E-07	2.84E-07	-2.36E-07	1.14E-07	6.37E-08	-5.06E-08	5.28E-08	2.94E-08	-2.34E-08	1.14E-07	6.37E-08	-5.06E-08
480	490063.7	3861000.05	5.28E-07	2.89E-07	-2.39E-07	1.16E-07	6.47E-08	-5.13E-08	5.36E-08	2.99E-08	-2.37E-08	1.16E-07	6.47E-08	-5.13E-08
481	489513.7	3861050.05	4.41E-07	2.41E-07	-2.00E-07	9.68E-08	5.39E-08	-4.30E-08	4.48E-08	2.49E-08	-1.99E-08	9.68E-08	5.39E-08	-4.30E-08
482	489563.7	3861050.05	4.45E-07	2.43E-07	-2.02E-07	9.78E-08	5.45E-08	-4.33E-08	4.52E-08	2.52E-08	-2.00E-08	9.78E-08	5.45E-08	-4.33E-08
483	489613.7	3861050.05	4.52E-07	2.47E-07	-2.05E-07	9.92E-08	5.53E-08	-4.39E-08	4.59E-08	2.55E-08	-2.03E-08	9.92E-08	5.53E-08	-4.39E-08
484	489663.7	3861050.05	4.57E-07	2.50E-07	-2.07E-07	1.00E-07	5.59E-08	-4.45E-08	4.64E-08	2.59E-08	-2.05E-08	1.00E-07	5.59E-08	-4.45E-08
485	489713.7	3861050.05	4.62E-07	2.53E-07	-2.09E-07	1.02E-07	5.67E-08	-4.49E-08	4.69E-08	2.62E-08	-2.08E-08	1.02E-07	5.67E-08	-4.49E-08
486	489763.7	3861050.05	4.69E-07	2.57E-07	-2.12E-07	1.03E-07	5.74E-08	-4.55E-08	4.76E-08	2.65E-08	-2.10E-08	1.03E-07	5.74E-08	-4.55E-08
487	489813.7	3861050.05	4.76E-07	2.60E-07	-2.16E-07	1.05E-07	5.83E-08	-4.63E-08	4.83E-08	2.69E-08	-2.14E-08	1.05E-07	5.83E-08	-4.63E-08
488	489863.7	3861050.05	4.82E-07	2.64E-07	-2.18E-07	1.06E-07	5.91E-08	-4.68E-08	4.90E-08	2.73E-08	-2.16E-08	1.06E-07	5.91E-08	-4.68E-08
489	489913.7	3861050.05	4.89E-07	2.68E-07	-2.21E-07	1.08E-07	6.00E-08	-4.75E-08	4.97E-08	2.77E-08	-2.20E-08	1.08E-07	6.00E-08	-4.75E-08
490	489963.7	3861050.05	4.97E-07	2.72E-07	-2.25E-07	1.09E-07	6.09E-08	-4.82E-08	5.04E-08	2.81E-08	-2.23E-08	1.09E-07	6.09E-08	-4.82E-08
491	490013.7	3861050.05	5.05E-07	2.76E-07	-2.28E-07	1.11E-07	6.19E-08	-4.90E-08	5.12E-08	2.86E-08	-2.26E-08	1.11E-07	6.19E-08	-4.90E-08
492	490063.7	3861050.05	5.13E-07	2.81E-07	-2.32E-07	1.13E-07	6.28E-08	-4.98E-08	5.21E-08	2.90E-08	-2.30E-08	1.13E-07	6.28E-08	-4.98E-08
493	489513.7	3861100.05	4.31E-07	2.35E-07	-1.96E-07	9.47E-08	5.27E-08	-4.20E-08	4.38E-08	2.43E-08	-1.94E-08	9.47E-08	5.27E-08	-4.20E-08
494	489563.7	3861100.05	4.35E-07	2.38E-07	-1.97E-07	9.57E-08	5.33E-08	-4.24E-08	4.42E-08	2.46E-08	-1.96E-08	9.57E-08	5.33E-08	-4.24E-08
495	489613.7	3861100.05	4.40E-07	2.40E-07	-1.99E-07	9.66E-08	5.38E-08	-4.28E-08	4.47E-08	2.49E-08	-1.98E-08	9.66E-08	5.38E-08	-4.28E-08
496	489663.7	3861100.05	4.45E-07	2.43E-07	-2.02E-07	9.78E-08	5.45E-08	-4.33E-08	4.52E-08	2.52E-08	-2.00E-08	9.78E-08	5.45E-08	-4.33E-08
497	489713.7	3861100.05	4.51E-07	2.47E-07	-2.04E-07	9.90E-08	5.52E-08	-4.38E-08	4.58E-08	2.55E-08	-2.02E-08	9.90E-08	5.52E-08	-4.38E-08
498	489763.7	3861100.05	4.57E-07	2.50E-07	-2.07E-07	1.00E-07	5.60E-08	-4.44E-08	4.64E-08	2.59E-08	-2.05E-08	1.00E-07	5.60E-08	-4.44E-08
499	489813.7	3861100.05	4.63E-07	2.54E-07	-2.10E-07	1.02E-07	5.68E-08	-4.50E-08	4.70E-08	2.62E-08	-2.08E-08	1.02E-07	5.68E-08	-4.50E-08
500	489863.7	3861100.05	4.70E-07	2.57E-07	-2.12E-07	1.03E-07	5.76E-08	-4.56E-08	4.77E-08	2.66E-08	-2.11E-08	1.03E-07	5.76E-08	-4.56E-08
501	489913.7	3861100.05	4.76E-07	2.61E-07	-2.15E-07	1.05E-07	5.84E-08	-4.62E-08	4.83E-08	2.70E-08	-2.13E-08	1.05E-07	5.84E-08	-4.62E-08
502	489963.7	3861100.05	4.83E-07	2.65E-07	-2.18E-07	1.06E-07	5.93E-08	-4.69E-08	4.90E-08	2.74E-08	-2.17E-08	1.06E-07	5.93E-08	-4.69E-08
503	490013.7	3861100.05	4.90E-07	2.68E-07	-2.22E-07	1.08E-07	6.01E-08	-4.76E-08	4.98E-08	2.78E-08	-2.20E-08	1.08E-07	6.01E-08	-4.76E-08
504	490063.7	3861100.05	4.98E-07	2.73E-07	-2.25E-07	1.09E-07	6.11E-08	-4.84E-08	5.06E-08	2.82E-08	-2.24E-08	1.09E-07	6.11E-08	-4.84E-08
505	489713.7	3861150.05	4.40E-07	2.41E-07	-1.99E-07	9.66E-08	5.39E-08	-4.28E-08	4.47E-08	2.49E-08	-1.98E-08	9.66E-08	5.39E-08	-4.28E-08
506	489763.7	3861150.05	4.45E-07	2.44E-07	-2.01E-07	9.78E-08	5.46E-08	-4.32E-08	4.52E-08	2.52E-08	-2.00E-08	9.78E-08	5.46E-08	-4.32E-08
507	489813.7	3861150.05	4.52E-07	2.47E-07	-2.04E-07	9.92E-08	5.54E-08	-4.38E-08	4.59E-08	2.56E-08	-2.03E-08	9.92E-08	5.54E-08	-4.38E-08
508	489863.7	3861150.05	4.57E-07	2.51E-07	-2.06E-07	1.00E-07	5.61E-08	-4.43E-08	4.64E-08	2.59E-08	-2.05E-08	1.00E-07	5.61E-08	-4.43E-08
509	489913.7	3861150.05	4.63E-07	2.54E-07	-2.09E-07	1.02E-07	5.69E-08	-4.49E-08	4.70E-08	2.63E-08	-2.07E-08	1.02E-07	5.69E-08	-4.49E-08
510	489963.7	3861150.05	4.70E-07	2.58E-07	-2.13E-07	1.03E-07	5.77E-08	-4.56E-08	4.78E-08	2.67E-08	-2.11E-08	1.03E-07	5.77E-08	-4.56E-08
511	490013.7	3861150.05	4.77E-07	2.61E-07	-2.15E-07	1.05E-07	5.85E-08	-4.62E-08	4.84E-08	2.70E-08	-2.14E-08	1.05E-07	5.85E-08	-4.62E-08
512	490063.7	3861150.05	4.84E-07	2.65E-07	-2.19E-07	1.06E-07	5.94E-08	-4.69E-08	4.91E-08	2.74E-08	-2.17E-08	1.06E-07	5.94E-08	-4.69E-08
513	489613.7	3861200.05	4.19E-07	2.29E-07	-1.90E-07	9.21E-08	5.13E-08	-4.08E-08	4.26E-08	2.37E-08	-1.88E-08	9.21E-08	5.13E-08	-4.08E-08
514	489663.7	3861200.05	4.25E-07	2.32E-07	-1.92E-07	9.33E-08	5.20E-08	-4.13E-08	4.31E-08	2.40E-08	-1.91E-08	9.33E-08	5.20E-08	-4.13E-08
515	489713.7	3861200.05	4.29E-07	2.35E-07	-1.94E-07	9.43E-08	5.26E-08	-4.17E-08	4.36E-08	2.43E-08	-1.93E-08	9.43E-08	5.26E-08	-4.17E-08
516	489763.7	3861200.05	4.34E-07	2.38E-07	-1.97E-07	9.55E-08	5.33E-08	-4.22E-08	4.41E-08	2.46E-08	-1.95E-08	9.55E-08	5.33E-08	-4.22E-08
517	489813.7	3861200.05	4.40E-07	2.41E-07	-1.99E-07	9.66E-08	5.40E-08	-4.26E-08	4.47E-08	2.50E-08	-1.97E-08	9.66E-08	5.40E-08	-4.26E-08
518	489863.7	3861200.05	4.46E-07	2.45E-07	-2.02E-07	9.80E-08	5.48E-08	-4.32E-08	4.53E-08	2.53E-08	-2.00E-08	9.80E-08	5.48E-08	-4.32E-08
519	489913.7	3861200.05	4.52E-07	2.48E-07	-2.04E-07	9.92E-08	5.54E-08	-4.38E-08	4.59E-08	2.56E-08	-2.02E-08	9.92E-08	5.54E-08	-4.38E-08
520	489963.7	3861200.05	4.58E-07	2.51E-07	-2.07E-07	1.01E-07	5.62E-08	-4.44E-08	4.65E-08	2.60E-08	-2.05E-08	1.01E-07	5.62E-08	-4.44E-08
521	490013.7	3861200.05	4.64E-07	2.55E-07	-2.10E-07	1.02E-07	5.70E-08	-4.50E-08	4.71E-08	2.63E-08	-2.08E-08	1.02E-07	5.70E-08	-4.50E-08
522	490063.7	3861200.05	4.71E-07	2.58E-07	-2.13E-07	1.04E-07	5.78E-08	-4.57E-08	4.79E-08	2.67E-08	-2.11E-08	1.04E-07	5.78E-08	-4.57E-08
523	489513.7	3861250.05	4.01E-07	2.19E-07	-1.82E-07	8.81E-08	4.91E-08	-3.91E-08	4.07E-08	2.27E-08	-1.81E-08	8.81E-08	4.91E-08	-3.91E-08

524	489563.7	3861250.05	4.06E-07	2.22E-07	-1.84E-07	8.91E-08	4.97E-08	-3.95E-08	4.12E-08	2.30E-08	-1.82E-08	8.91E-08	4.97E-08	-3.95E-08
525	489613.7	3861250.05	4.10E-07	2.24E-07	-1.86E-07	9.01E-08	5.02E-08	-3.99E-08	4.17E-08	2.32E-08	-1.84E-08	9.01E-08	5.02E-08	-3.99E-08
526	489663.7	3861250.05	4.15E-07	2.27E-07	-1.88E-07	9.11E-08	5.08E-08	-4.03E-08	4.21E-08	2.35E-08	-1.86E-08	9.11E-08	5.08E-08	-4.03E-08
527	489713.7	3861250.05	4.19E-07	2.30E-07	-1.90E-07	9.21E-08	5.14E-08	-4.07E-08	4.26E-08	2.38E-08	-1.88E-08	9.21E-08	5.14E-08	-4.07E-08
528	489763.7	3861250.05	4.25E-07	2.32E-07	-1.92E-07	9.33E-08	5.21E-08	-4.12E-08	4.31E-08	2.41E-08	-1.91E-08	9.33E-08	5.21E-08	-4.12E-08
529	489813.7	3861250.05	4.30E-07	2.35E-07	-1.95E-07	9.45E-08	5.27E-08	-4.17E-08	4.37E-08	2.44E-08	-1.93E-08	9.45E-08	5.27E-08	-4.17E-08
530	489863.7	3861250.05	4.35E-07	2.39E-07	-1.97E-07	9.57E-08	5.34E-08	-4.22E-08	4.42E-08	2.47E-08	-1.95E-08	9.57E-08	5.34E-08	-4.22E-08
531	489913.7	3861250.05	4.41E-07	2.42E-07	-1.99E-07	9.68E-08	5.41E-08	-4.27E-08	4.48E-08	2.50E-08	-1.97E-08	9.68E-08	5.41E-08	-4.27E-08
532	489963.7	3861250.05	4.46E-07	2.45E-07	-2.01E-07	9.80E-08	5.48E-08	-4.32E-08	4.53E-08	2.53E-08	-2.00E-08	9.80E-08	5.48E-08	-4.32E-08
533	490013.7	3861250.05	4.52E-07	2.48E-07	-2.04E-07	9.94E-08	5.56E-08	-4.39E-08	4.59E-08	2.57E-08	-2.03E-08	9.94E-08	5.56E-08	-4.39E-08
534	490063.7	3861250.05	4.59E-07	2.52E-07	-2.07E-07	1.01E-07	5.63E-08	-4.45E-08	4.66E-08	2.60E-08	-2.05E-08	1.01E-07	5.63E-08	-4.45E-08
535	489528.1	3861308.47	3.93E-07	2.15E-07	-1.78E-07	8.64E-08	4.81E-08	-3.83E-08	3.99E-08	2.22E-08	-1.77E-08	8.64E-08	4.81E-08	-3.83E-08
536	489578.1	3861308.47	3.97E-07	2.17E-07	-1.80E-07	8.72E-08	4.86E-08	-3.86E-08	4.03E-08	2.24E-08	-1.78E-08	8.72E-08	4.86E-08	-3.86E-08
537	489628.1	3861308.47	4.01E-07	2.19E-07	-1.82E-07	8.81E-08	4.91E-08	-3.90E-08	4.07E-08	2.27E-08	-1.80E-08	8.81E-08	4.91E-08	-3.90E-08
538	489678.1	3861308.47	4.05E-07	2.22E-07	-1.83E-07	8.89E-08	4.96E-08	-3.93E-08	4.11E-08	2.29E-08	-1.82E-08	8.89E-08	4.96E-08	-3.93E-08
539	489728.1	3861308.47	4.10E-07	2.25E-07	-1.86E-07	9.01E-08	5.03E-08	-3.98E-08	4.17E-08	2.32E-08	-1.84E-08	9.01E-08	5.03E-08	-3.98E-08
540	489778.1	3861308.47	4.15E-07	2.27E-07	-1.88E-07	9.11E-08	5.08E-08	-4.03E-08	4.21E-08	2.35E-08	-1.86E-08	9.11E-08	5.08E-08	-4.03E-08
541	489678.1	3861358.47	3.97E-07	2.17E-07	-1.80E-07	8.72E-08	4.86E-08	-3.85E-08	4.03E-08	2.25E-08	-1.78E-08	8.72E-08	4.86E-08	-3.85E-08
542	489728.1	3861358.47	4.00E-07	2.19E-07	-1.81E-07	8.79E-08	4.91E-08	-3.88E-08	4.06E-08	2.27E-08	-1.79E-08	8.79E-08	4.91E-08	-3.88E-08
543	489528.1	3861408.47	3.77E-07	2.06E-07	-1.71E-07	8.28E-08	4.61E-08	-3.68E-08	3.83E-08	2.13E-08	-1.70E-08	8.28E-08	4.61E-08	-3.68E-08
544	489578.1	3861408.47	3.80E-07	2.08E-07	-1.73E-07	8.36E-08	4.66E-08	-3.70E-08	3.86E-08	2.15E-08	-1.71E-08	8.36E-08	4.66E-08	-3.70E-08
545	489628.1	3861408.47	3.84E-07	2.10E-07	-1.74E-07	8.44E-08	4.71E-08	-3.73E-08	3.90E-08	2.17E-08	-1.73E-08	8.44E-08	4.71E-08	-3.73E-08
546	489678.1	3861408.47	3.88E-07	2.12E-07	-1.76E-07	8.52E-08	4.75E-08	-3.77E-08	3.94E-08	2.20E-08	-1.74E-08	8.52E-08	4.75E-08	-3.77E-08
547	489728.1	3861408.47	3.92E-07	2.15E-07	-1.78E-07	8.62E-08	4.81E-08	-3.81E-08	3.98E-08	2.22E-08	-1.76E-08	8.62E-08	4.81E-08	-3.81E-08
548	489528.1	3861458.47	3.70E-07	2.02E-07	-1.68E-07	8.12E-08	4.52E-08	-3.61E-08	3.75E-08	2.09E-08	-1.67E-08	8.12E-08	4.52E-08	-3.61E-08
549	489578.1	3861458.47	3.73E-07	2.04E-07	-1.70E-07	8.20E-08	4.56E-08	-3.64E-08	3.79E-08	2.11E-08	-1.68E-08	8.20E-08	4.56E-08	-3.64E-08
550	489628.1	3861458.47	3.77E-07	2.06E-07	-1.71E-07	8.28E-08	4.61E-08	-3.67E-08	3.83E-08	2.13E-08	-1.70E-08	8.28E-08	4.61E-08	-3.67E-08
551	489678.1	3861458.47	3.80E-07	2.08E-07	-1.72E-07	8.36E-08	4.66E-08	-3.70E-08	3.86E-08	2.15E-08	-1.71E-08	8.36E-08	4.66E-08	-3.70E-08
552	489728.1	3861458.47	3.84E-07	2.10E-07	-1.74E-07	8.44E-08	4.71E-08	-3.73E-08	3.90E-08	2.17E-08	-1.73E-08	8.44E-08	4.71E-08	-3.73E-08
553	489528.1	3861508.47	3.63E-07	1.98E-07	-1.65E-07	7.96E-08	4.43E-08	-3.54E-08	3.68E-08	2.05E-08	-1.63E-08	7.96E-08	4.43E-08	-3.54E-08
554	489578.1	3861508.47	3.66E-07	2.00E-07	-1.66E-07	8.04E-08	4.47E-08	-3.57E-08	3.72E-08	2.07E-08	-1.65E-08	8.04E-08	4.47E-08	-3.57E-08
555	489628.1	3861508.47	3.70E-07	2.02E-07	-1.68E-07	8.12E-08	4.52E-08	-3.60E-08	3.75E-08	2.09E-08	-1.66E-08	8.12E-08	4.52E-08	-3.60E-08
556	489678.1	3861508.47	3.72E-07	2.04E-07	-1.69E-07	8.18E-08	4.56E-08	-3.62E-08	3.78E-08	2.11E-08	-1.67E-08	8.18E-08	4.56E-08	-3.62E-08
557	489728.1	3861508.47	3.76E-07	2.06E-07	-1.70E-07	8.26E-08	4.61E-08	-3.65E-08	3.82E-08	2.13E-08	-1.69E-08	8.26E-08	4.61E-08	-3.65E-08
558	489628.1	3861558.47	3.63E-07	1.98E-07	-1.65E-07	7.96E-08	4.43E-08	-3.53E-08	3.68E-08	2.05E-08	-1.63E-08	7.96E-08	4.43E-08	-3.53E-08
559	489678.1	3861558.47	3.66E-07	2.00E-07	-1.66E-07	8.04E-08	4.48E-08	-3.57E-08	3.72E-08	2.07E-08	-1.65E-08	8.04E-08	4.48E-08	-3.57E-08
560	489728.1	3861558.47	3.70E-07	2.02E-07	-1.67E-07	8.12E-08	4.53E-08	-3.59E-08	3.75E-08	2.09E-08	-1.66E-08	8.12E-08	4.53E-08	-3.59E-08
561	489357.1	3861015.81	4.32E-07	2.35E-07	-1.97E-07	9.49E-08	5.27E-08	-4.22E-08	4.38E-08	2.43E-08	-1.95E-08	9.49E-08	5.27E-08	-4.22E-08
562	489407.1	3861015.81	4.36E-07	2.38E-07	-1.98E-07	9.59E-08	5.33E-08	-4.26E-08	4.43E-08	2.46E-08	-1.97E-08	9.59E-08	5.33E-08	-4.26E-08
563	489457.1	3861015.81	4.41E-07	2.41E-07	-2.00E-07	9.68E-08	5.39E-08	-4.30E-08	4.48E-08	2.49E-08	-1.99E-08	9.68E-08	5.39E-08	-4.30E-08
564	489357.1	3861065.81	4.23E-07	2.30E-07	-1.93E-07	9.29E-08	5.16E-08	-4.13E-08	4.29E-08	2.38E-08	-1.91E-08	9.29E-08	5.16E-08	-4.13E-08
565	489407.1	3861065.81	4.26E-07	2.32E-07	-1.94E-07	9.37E-08	5.21E-08	-4.16E-08	4.33E-08	2.41E-08	-1.92E-08	9.37E-08	5.21E-08	-4.16E-08
566	489457.1	3861065.81	4.31E-07	2.35E-07	-1.96E-07	9.47E-08	5.27E-08	-4.20E-08	4.38E-08	2.43E-08	-1.94E-08	9.47E-08	5.27E-08	-4.20E-08
567	489357.1	3861115.81	4.14E-07	2.25E-07	-1.88E-07	9.09E-08	5.04E-08	-4.05E-08	4.20E-08	2.33E-08	-1.87E-08	9.09E-08	5.04E-08	-4.05E-08
568	489407.1	3861115.81	4.17E-07	2.28E-07	-1.90E-07	9.17E-08	5.10E-08	-4.07E-08	4.24E-08	2.36E-08	-1.88E-08	9.17E-08	5.10E-08	-4.07E-08
569	489457.1	3861115.81	4.22E-07	2.30E-07	-1.92E-07	9.27E-08	5.16E-08	-4.11E-08	4.28E-08	2.38E-08	-1.90E-08	9.27E-08	5.16E-08	-4.11E-08
570	489407.1	3861165.81	4.08E-07	2.23E-07	-1.86E-07	8.97E-08	4.99E-08	-3.98E-08	4.15E-08	2.31E-08	-1.84E-08	8.97E-08	4.99E-08	-3.98E-08
571	489457.1	3861165.81	4.13E-07	2.25E-07	-1.88E-07	9.07E-08	5.04E-08	-4.03E-08	4.19E-08	2.33E-08	-1.86E-08	9.07E-08	5.04E-08	-4.03E-08
572	489407.1	3861215.81	3.99E-07	2.18E-07	-1.82E-07	8.78E-08	4.88E-08	-3.90E-08	4.06E-08	2.25E-08	-1.80E-08	8.78E-08	4.88E-08	-3.90E-08
573	489457.1	3861215.81	4.03E-07	2.20E-07	-1.83E-07	8.85E-08	4.93E-08	-3.93E-08	4.09E-08	2.28E-08	-1.81E-08	8.85E-08	4.93E-08	-3.93E-08
574	489407.1	3861265.81	3.90E-07	2.13E-07	-1.78E-07	8.58E-08	4.77E-08	-3.81E-08	3.96E-08	2.20E-08	-1.76E-08	8.58E-08	4.77E-08	-3.81E-08
575	489457.1	3861265.81	3.94E-07	2.15E-07	-1.79E-07	8.66E-08	4.82E-08	-3.84E-08	4.00E-08	2.23E-08	-1.77E-08	8.66E-08	4.82E-08	-3.84E-08
576	489309.9	3861110.14	4.10E-07	2.23E-07	-1.87E-07	9.01E-08	5.00E-08	-4.01E-08	4.17E-08	2.31E-08	-1.85E-08	9.01E-08	5.00E-08	-4.01E-08
577	489407.1	3861315.81	3.82E-07	2.08E-07	-1.74E-07	8.40E-08	4.67E-08	-3.73E-08	3.88E-08	2.16E-08	-1.73E-08	8.40E-08	4.67E-08	-3.73E-08
578	489457.1	3861315.81	3.86E-07	2.11E-07	-1.75E-07	8.48E-08	4.72E-08	-3.76E-08	3.92E-08	2.18E-08	-1.74E-08	8.48E-08	4.72E-08	-3.76E-08
579	488906	3861006.75	3.98E-07	2.16E-07	-1.83E-07	8.76E-08	4.83E-08	-3.93E-08	4.05E-08	2.23E-08	-1.82E-08	8.76E-08	4.83E-08	-3.93E-08
580	488956	3861006.75	4.02E-07	2.18E-07	-1.84E-07	8.83E-08	4.88E-08	-3.96E-08	4.08E-08	2.25E-08	-1.83E-08	8.83E-08	4.88E-08	-3.96E-08
581	488904.2	3861051.87	3.92E-07	2.12E-07	-1.80E-07	8.62E-08	4.75E-08	-3.87E-08	3.98E-08	2.20E-08	-1.79E-08	8.62E-08	4.75E-08	-3.87E-08
582	488954.2	3861051.87	3.95E-07	2.14E-07	-1.81E-07	8.68E-08	4.79E-08	-3.89E-08	4.01E-08	2.21E-08	-1.80E-08	8.68E-08	4.79E-08	-3.89E-08
583	489004.2	3861051.87	3.99E-07	2.16E-07	-1.83E-07	8.78E-08	4.84E-08	-3.93E-08	4.06E-08	2.24E-08	-1.82E-08	8.78E-08	4.84E-08	-3.93E-08
584	488804.2	3861101.87	3.78E-07	2.04E-07	-1.74E-07	8.30E-08	4.57E-08	-3.73E-08	3.84E-08	2.11E-08	-1.73E-08	8.30E-08	4.57E-08	-3.73E-08
585	488854.2	3861101.87	3.81E-07	2.06E-07	-1.75E-07	8.38E-08	4.62E-08	-3.76E-08	3.87E-08	2.13E-08	-1.74E-08	8.38E-08	4.62E-08	-3.76E-08
586	488904.2	3861101.87	3.83E-07	2.07E-07	-1.76E-07	8.42E-08	4.64E-08	-3.77E-08	3.89E-08	2.15E-08	-1.74E-08	8.42E-08	4.64E-08	-3.77E-08
587	488954.2	3861101.87	3.87E-07	2.09E-07	-1.77E-07	8.50E-08	4.69E-08	-3.81E-08	3.93E-08	2.17E-08	-1.76E-08	8.50E-08	4.69E-08	-3.81E-08
588	489004.2	3861101.87	3.89E-07	2.11E-07	-1.78E-07	8.56E-08	4.73E-08	-3.83E-08	3.96E-08	2.19E-08	-1.77E-08	8.56E-08	4.73E-08	-3.83E-08
589	488804.2	3861151.87	3.70E-07	1.99E-07	-1.70E-07	8.12E-08	4.47E-08	-3.66E-08	3.75E-08	2.06E-08	-1.69E-08	8.12E-08	4.47E-08	-3.66E-08
590	488854.2	3861151.87	3.72E-07	2.01E-07	-1.71E-07	8.18E-08	4.51E-08	-3.68E-08	3.78E-08	2.08E-08	-1.70E-08	8.18E-08	4.51E-08	-3.68E-08
591	489129.5	3861187.55	3.84E-07	2.08E-07	-1.76E-07	8.44E-08	4.67E-08	-3.77E-08	3.90E-08	2.16E-08	-1.74E-08	8.44E-08	4.67E-08	-3.77E-08
592	489179.5	3861187.55	3.88E-07	2.10E-07	-1.77E-07	8.52E-08	4.71E-08	-3.81E-08	3.94E-08	2.18E-08	-1.76E-08	8.52E-08	4.71E-08	-3.81E-08
593	488804.2	3861201.87	3.63E-07	1.96E-07	-1.67E-07	7.96E-08	4.38E-08	-3.58E-08	3.68E-08	2.03E-08	-1.66E-08	7.96E-08	4.38E-08	-3.58E-08
594	488854.2	3861201.87	3.65E-07	1.97E-07	-1.68E-07	8.02E-08	4.42E-08	-3.61E-08	3.71E-08	2.04E-08	-1.67E-08	8.02E-08	4.42E-08	-3.61E-08
595	489129.5	3861237.55	3.77E-07	2.04E-07	-1.72E-07	8.28E-08	4.58E-08	-3.70E-08	3.83E-08	2.12E-08	-1.71E-08	8.28E-08	4.58E-08	-3.70E-08
596	489179.5	3861237.55	3.80E-07	2.06E-07	-1.73E-07	8.34E-08	4.62E-08	-3.72E-08	3.85E-08	2.13E-08	-1.72E-08	8.34E-08	4.62E-08	-3.72E-08
597	488804.2	3861251.87	3.56E-07	1.92E-07	-1.64E-07	7.83E-08	4.31E-08	-3.52E-08	3.62E-08	1.99E-08	-1.63E-08	7.83E-08	4.31E-08	-3.52E-08
598	488854.2	3861251.87	3.58E-07	1.94E-07	-1.64E-07	7.87E-08	4.33E-08	-3.53E-08	3.64E-08	2.00E-08	-1.63E-08	7.87E-08	4.33E-08	-3.53E-08
599	488804.2	3861301.87	3.49E-07	1.88E-07	-1.61E-07	7.67E-08	4.22E-08	-3.45E-08	3.54E-08	1.95E-08	-1.60E-08	7.67E-08	4.22E-08	-3.45E-08
600	488854.2	3861301.87	3.52E-07	1.90E-07	-1.62E-07	7.73E-08	4.26E-08	-3.47E-08	3.57E-08	1.97E-08	-1.60E-08	7.73E-08	4.26E-08	-3.47E-08
601	490943.5	3860181.97	2.82E-06	1.55E-06	-1.27E-06	6.19E-07	3.47E-07	-2.72E-07	2.86E-07	1.61E-07	-1.26E-07	6.19E-07	3.47E-07	-2.72E-07
602	490993.5	3860181.97	3.18E-06	1.75E-06	-1.42E-06	6.98E-07	3.92E-07	-3.05E-07	3.23E-07	1.81E-07	-1.41E-07	6.98E-07	3.92E-07	-3.05E-07
603	491043.5	3860181.97	3.67E-06	2.03E-06	-1.64E-06	8.06E-07	4.54E-07	-3.51E-07	3.72E-07	2.10E-07	-1.62E-07	8.06E-07	4.54E-07	-3.51E-07
604	491093.5	3860181.97	4.37E-06	2.43E-06	-1.94E-06	9.60E-07	5.43E-07	-4.17E-07	4.44E-07	2.51E-07	-1.93E-07	9.60E-07	5.43E-07	-4.17E-07
605	490943.5	3860231.97	2.38E-06	1.31E-06	-1.07E-06	5.23E-07	2.93E-07	-2.30E-07	2.42E-07	1.35E-07	-1.06E-07	5.23E-07	2.93E-07	-2.30E-07
606	490993.5	3860231.97	2.64E-06	1.46E-06	-1.19E-06	5.81E-07	3.26E-07	-2.55E-07	2.68E-07	1.51E-07	-1.18E-07	5.81E-07	3.26E-07	-2.55E-07
607	491043.5	3860231.97	2.97E-06	1.64E-06	-1.33E-06	6.52E-07	3.66E-07	-2.85E-07	3.01E-07	1.69E-07	-1.32E-07	6.52E-07	3.66E-07	-2.85E-07
608	491093.5	3860231.97	3.40E-06	1.88E-06	-1.52E-06	7.48E-07	4.21E-07	-3.26E-07	3.46E-07	1.95E-07	-1.51E-07	7.48E-07	4.21E-07	-3.26E-07
609	490943.5	3860281.97	2.06E-06	1.13E-06	-9.31E-07	4.54E-07	2.54E-07	-2.00E-07	2.10E-07	1.17E-07	-9.23E-08	4.54E-07	2.54E-07	-2.00E-07
610	490993.5	3860281.97	2.26E-06	1.24E-06	-1.02E-06	4.96E-07	2.78E-07	-2.18E-07	2.29E-07	1.29E-07	-1.01E-07	4.96E-07	2.78E-07	-2.18E-07
611	491043.5	3860281.97	2.49E-06	1.37E-06	-1.12E-06	5.48E-07	3.07E-07	-2.41E-07	2.53E-07	1.42E-07	-1.11E-07	5.48E-07	3.07E-07	-2.41E-07
612	491093.5	3860281.97	2.80E-06	1.54E-06	-1.26E-06	6.14E-07	3.45E-07	-2.69E-07	2.84E-07	1.59E-07	-1.25E-07	6.14E-07	3.45E-07	-2.69E-07
613	490943.5	3860331.97	1.83E-06	1.00E-06	-8.25E-07	4.02E-07	2.25E-07	-1.77E-07	1.86E-07	1.04E-07	-8.18E-08	4.02E-07	2.25E-07	-1.77E-07
614	490993.5	3860331.97	1.97E-06	1.08E-06	-8.89E-07	4.33E-07	2.42E-07	-1.91E-07	2.00E-07	1.12E-07	-8.82E-08	4.33E-07	2.42E-07	-1.91E-07
615	491043.5	3860331.97	2.15E-06	1.18E-06	-9.68E-07	4.72E-07	2.64E-07	-2.08E-07	2.18E-07	1.22E-07	-9.60E-08	4.72E-07	2.64E-07	-2.08E-07
616	491093.5	3860331.97	2.37E-06	1.30E-06	-1.07E-06	5.21E-07	2.92E-07	-2.29E-07	2.41E-07	1.35E-07	-1.06E-07	5.21E-07	2.92E-07	-2.29E-07
617	490086.7	3859935.12	1.81E-06	9.91E-07	-8.23E-07	3.99E-07	2.22E-07	-1.77E-07	1.84E-07	1.03E-07	-8.17E-08	3.99E-07	2.22E-07	-1.77E-07
618	490136.7	3859935.12	1.93E-06	1.05E-06	-8.75E-07	4.24E-07	2.36E-07	-1.88E-07	1.96E-07	1.09E-07	-8.68E-08	4.24E-07	2.36E-07	-1.88E-07
619	490186.7	3859935.12	2.06E-06	1.13E-06	-9.34E-07	4.53E-07	2.52E-07	-2.01E-07	2.09E-07	1.17E-07	-9.27E-08	4.53E-07	2.52E-07	-2.01E-07
620	490236.7	3859935.12	2.21E-06	1.21E-06	-1.00E-06	4.86E-07	2.71E-07	-2.15E-07	2.25E-07	1.25E-07	-9.94E-08	4.86E-07	2.71E-07	-2.15E-07
621	490286.7	3859935.12	2.38E-06	1.30E-06	-1.08E-06	5.23E-07	2.92E-07	-2.32E-07	2.42E-07	1.35E-07	-1.07E-07	5.23E-07	2.92E-07	-2.32E-07
622	490336.7	3859935.12	2.58E-06	1.41E-06	-1.17E-06	5.67E-07	3.16E-07	-2.51E-07	2.62E-07	1.46E-07	-1.16E-07	5.67E-07	3.16E-07	-2.51E-07
623	490386.7	3859935.12	2.82E-06	1.54E-06	-1.28E-06	6.20E-07	3.45E-07	-2.75E-07	2.87E-07	1.60E-07	-1.27E-07	6.20E-07	3.45E-07	-2.75E-07
624	490436.7	3859935.12	3.11E-06	1.70E-06	-1.41E-06	6.83E-07	3.81E-07	-3.03E-07	3.16E-07	1.76E-07	-1.40E-07	6.83E-07	3.81E-07	-3.03E-07
625	490486.7	3859935.12	3.47E-06	1.89E-06	-1.57E-06	7.62E-07	4.24E-07	-3.38E-07	3.52E-07	1.96E-07	-1.56E-07	7.62E-07	4.24E-07	-3.38E-07
626	490536.7	3859935.12	3.96E-06	2.16E-06	-1.80E-06	8.69E-07	4.84E-07	-3.86E-07	4.02E-07	2.24E-07	-1.78E-07	8.69E-07	4.84E-07	-3.86E-07
627	490586.7	3859935.12	4.61E-06	2.51E-06	-2.10E-06	1.01E-06	5.63E-07	-4.50E-07	4.68E-07	2.60E-07	-2.08E-07	1.01E-06	5.63E-07	-4.50E-07
628	490636.7	3859935.12	5.46E-06	2.97E-06	-2.49E-06	1.20E-06	6.65E-07	-5.35E-07	5.55E-07	3.07E-07	-2.47E-07	1.20E-06	6.65E-07	-5.35E-07

629	490686.7	3859935.12	6.77E-06	3.67E-06	-3.10E-06	1.49E-06	8.22E-07	-6.67E-07	6.88E-07	3.80E-07	-3.08E-07	1.49E-06	8.22E-07	-6.67E-07
630	490736.7	3859935.12	8.66E-06	4.67E-06	-3.99E-06	1.90E-06	1.05E-06	-8.58E-07	8.80E-07	4.83E-07	-3.96E-07	1.90E-06	1.05E-06	-8.58E-07
631	490086.7	3859985.12	1.59E-06	8.70E-07	-7.23E-07	3.50E-07	1.95E-07	-1.55E-07	1.62E-07	9.00E-08	-7.17E-08	3.50E-07	1.95E-07	-1.55E-07
632	490136.7	3859985.12	1.68E-06	9.17E-07	-7.61E-07	3.69E-07	2.05E-07	-1.63E-07	1.70E-07	9.48E-08	-7.55E-08	3.69E-07	2.05E-07	-1.63E-07
633	490186.7	3859985.12	1.77E-06	9.70E-07	-8.05E-07	3.90E-07	2.17E-07	-1.73E-07	1.80E-07	1.00E-07	-7.98E-08	3.90E-07	2.17E-07	-1.73E-07
634	490236.7	3859985.12	1.89E-06	1.03E-06	-8.56E-07	4.14E-07	2.31E-07	-1.84E-07	1.92E-07	1.07E-07	-8.49E-08	4.14E-07	2.31E-07	-1.84E-07
635	490286.7	3859985.12	2.01E-06	1.10E-06	-9.10E-07	4.41E-07	2.45E-07	-1.95E-07	2.04E-07	1.13E-07	-9.02E-08	4.41E-07	2.45E-07	-1.95E-07
636	490336.7	3859985.12	2.14E-06	1.17E-06	-9.72E-07	4.71E-07	2.62E-07	-2.09E-07	2.18E-07	1.21E-07	-9.64E-08	4.71E-07	2.62E-07	-2.09E-07
637	490386.7	3859985.12	2.29E-06	1.25E-06	-1.04E-06	5.04E-07	2.81E-07	-2.23E-07	2.33E-07	1.30E-07	-1.03E-07	5.04E-07	2.81E-07	-2.23E-07
638	490436.7	3859985.12	2.48E-06	1.35E-06	-1.12E-06	5.44E-07	3.03E-07	-2.41E-07	2.51E-07	1.40E-07	-1.11E-07	5.44E-07	3.03E-07	-2.41E-07
639	490486.7	3859985.12	2.69E-06	1.47E-06	-1.22E-06	5.92E-07	3.29E-07	-2.62E-07	2.74E-07	1.52E-07	-1.21E-07	5.92E-07	3.29E-07	-2.62E-07
640	490536.7	3859985.12	2.97E-06	1.62E-06	-1.35E-06	6.52E-07	3.63E-07	-2.89E-07	3.01E-07	1.68E-07	-1.34E-07	6.52E-07	3.63E-07	-2.89E-07
641	490586.7	3859985.12	3.31E-06	1.81E-06	-1.50E-06	7.28E-07	4.05E-07	-3.23E-07	3.36E-07	1.87E-07	-1.49E-07	7.28E-07	4.05E-07	-3.23E-07
642	490636.7	3859985.12	3.75E-06	2.05E-06	-1.71E-06	8.24E-07	4.58E-07	-3.66E-07	3.81E-07	2.12E-07	-1.69E-07	8.24E-07	4.58E-07	-3.66E-07
643	490686.7	3859985.12	4.34E-06	2.36E-06	-1.98E-06	9.54E-07	5.30E-07	-4.25E-07	4.41E-07	2.45E-07	-1.96E-07	9.54E-07	5.30E-07	-4.25E-07
644	490736.7	3859985.12	5.08E-06	2.76E-06	-2.32E-06	1.12E-06	6.18E-07	-4.98E-07	5.16E-07	2.86E-07	-2.30E-07	1.12E-06	6.18E-07	-4.98E-07
645	490786.7	3859985.12	6.12E-06	3.31E-06	-2.81E-06	1.34E-06	7.41E-07	-6.03E-07	6.21E-07	3.43E-07	-2.79E-07	1.34E-06	7.41E-07	-6.03E-07
646	490086.7	3860035.12	1.42E-06	7.78E-07	-6.46E-07	3.13E-07	1.74E-07	-1.39E-07	1.45E-07	8.05E-08	-6.41E-08	3.13E-07	1.74E-07	-1.39E-07
647	490136.7	3860035.12	1.49E-06	8.14E-07	-6.76E-07	3.27E-07	1.82E-07	-1.45E-07	1.51E-07	8.42E-08	-6.71E-08	3.27E-07	1.82E-07	-1.45E-07
648	490186.7	3860035.12	1.56E-06	8.54E-07	-7.10E-07	3.44E-07	1.91E-07	-1.52E-07	1.59E-07	8.84E-08	-7.04E-08	3.44E-07	1.91E-07	-1.52E-07
649	490236.7	3860035.12	1.65E-06	8.99E-07	-7.47E-07	3.62E-07	2.01E-07	-1.60E-07	1.67E-07	9.31E-08	-7.41E-08	3.62E-07	2.01E-07	-1.60E-07
650	490286.7	3860035.12	1.73E-06	9.48E-07	-7.87E-07	3.81E-07	2.12E-07	-1.69E-07	1.76E-07	9.81E-08	-7.80E-08	3.81E-07	2.12E-07	-1.69E-07
651	490336.7	3860035.12	1.84E-06	1.00E-06	-8.34E-07	4.04E-07	2.25E-07	-1.79E-07	1.87E-07	1.04E-07	-8.27E-08	4.04E-07	2.25E-07	-1.79E-07
652	490386.7	3860035.12	1.94E-06	1.06E-06	-8.83E-07	4.27E-07	2.38E-07	-1.89E-07	1.97E-07	1.10E-07	-8.76E-08	4.27E-07	2.38E-07	-1.89E-07
653	490436.7	3860035.12	2.07E-06	1.13E-06	-9.40E-07	4.55E-07	2.53E-07	-2.02E-07	2.10E-07	1.17E-07	-9.33E-08	4.55E-07	2.53E-07	-2.02E-07
654	490486.7	3860035.12	2.22E-06	1.21E-06	-1.01E-06	4.87E-07	2.71E-07	-2.16E-07	2.25E-07	1.25E-07	-9.99E-08	4.87E-07	2.71E-07	-2.16E-07
655	490536.7	3860035.12	2.39E-06	1.31E-06	-1.09E-06	5.26E-07	2.93E-07	-2.33E-07	2.43E-07	1.35E-07	-1.08E-07	5.26E-07	2.93E-07	-2.33E-07
656	490586.7	3860035.12	2.60E-06	1.42E-06	-1.18E-06	5.72E-07	3.18E-07	-2.54E-07	2.64E-07	1.47E-07	-1.17E-07	5.72E-07	3.18E-07	-2.54E-07
657	490636.7	3860035.12	2.84E-06	1.55E-06	-1.29E-06	6.25E-07	3.48E-07	-2.77E-07	2.89E-07	1.61E-07	-1.28E-07	6.25E-07	3.48E-07	-2.77E-07
658	490686.7	3860035.12	3.16E-06	1.72E-06	-1.43E-06	6.94E-07	3.86E-07	-3.08E-07	3.21E-07	1.79E-07	-1.42E-07	6.94E-07	3.86E-07	-3.08E-07
659	490736.7	3860035.12	3.58E-06	1.96E-06	-1.63E-06	7.87E-07	4.38E-07	-3.49E-07	3.64E-07	2.02E-07	-1.61E-07	7.87E-07	4.38E-07	-3.49E-07
660	490786.7	3860035.12	4.07E-06	2.22E-06	-1.85E-06	8.95E-07	4.98E-07	-3.97E-07	4.14E-07	2.30E-07	-1.84E-07	8.95E-07	4.98E-07	-3.97E-07
661	490836.7	3860035.12	4.72E-06	2.58E-06	-2.14E-06	1.04E-06	5.78E-07	-4.60E-07	4.80E-07	2.67E-07	-2.13E-07	1.04E-06	5.78E-07	-4.60E-07
662	490086.7	3860085.12	1.29E-06	7.07E-07	-5.88E-07	2.84E-07	1.58E-07	-1.26E-07	1.31E-07	7.31E-08	-5.83E-08	2.84E-07	1.58E-07	-1.26E-07
663	490136.7	3860085.12	1.34E-06	7.34E-07	-6.10E-07	2.95E-07	1.64E-07	-1.31E-07	1.36E-07	7.59E-08	-6.05E-08	2.95E-07	1.64E-07	-1.31E-07
664	490186.7	3860085.12	1.41E-06	7.67E-07	-6.38E-07	3.09E-07	1.72E-07	-1.37E-07	1.43E-07	7.94E-08	-6.33E-08	3.09E-07	1.72E-07	-1.37E-07
665	490236.7	3860085.12	1.47E-06	8.02E-07	-6.66E-07	3.23E-07	1.80E-07	-1.43E-07	1.49E-07	8.30E-08	-6.61E-08	3.23E-07	1.80E-07	-1.43E-07
666	490286.7	3860085.12	1.54E-06	8.40E-07	-6.97E-07	3.38E-07	1.88E-07	-1.50E-07	1.56E-07	8.69E-08	-6.92E-08	3.38E-07	1.88E-07	-1.50E-07
667	490336.7	3860085.12	1.61E-06	8.81E-07	-7.31E-07	3.54E-07	1.97E-07	-1.57E-07	1.64E-07	9.11E-08	-7.26E-08	3.54E-07	1.97E-07	-1.57E-07
668	490386.7	3860085.12	1.70E-06	9.26E-07	-7.70E-07	3.73E-07	2.07E-07	-1.65E-07	1.72E-07	9.58E-08	-7.64E-08	3.73E-07	2.07E-07	-1.65E-07
669	490436.7	3860085.12	1.79E-06	9.77E-07	-8.12E-07	3.93E-07	2.19E-07	-1.74E-07	1.82E-07	1.01E-07	-8.05E-08	3.93E-07	2.19E-07	-1.74E-07
670	490486.7	3860085.12	1.89E-06	1.03E-06	-8.59E-07	4.16E-07	2.31E-07	-1.84E-07	1.92E-07	1.07E-07	-8.52E-08	4.16E-07	2.31E-07	-1.84E-07
671	490536.7	3860085.12	2.02E-06	1.10E-06	-9.15E-07	4.43E-07	2.47E-07	-1.96E-07	2.05E-07	1.14E-07	-9.08E-08	4.43E-07	2.47E-07	-1.96E-07
672	490586.7	3860085.12	2.16E-06	1.18E-06	-9.80E-07	4.75E-07	2.64E-07	-2.10E-07	2.19E-07	1.22E-07	-9.73E-08	4.75E-07	2.64E-07	-2.10E-07
673	490636.7	3860085.12	2.32E-06	1.27E-06	-1.05E-06	5.11E-07	2.84E-07	-2.26E-07	2.36E-07	1.31E-07	-1.05E-07	5.11E-07	2.84E-07	-2.26E-07
674	490686.7	3860085.12	2.53E-06	1.38E-06	-1.14E-06	5.55E-07	3.09E-07	-2.46E-07	2.56E-07	1.43E-07	-1.14E-07	5.55E-07	3.09E-07	-2.46E-07
675	490736.7	3860085.12	2.77E-06	1.52E-06	-1.26E-06	6.10E-07	3.40E-07	-2.70E-07	2.82E-07	1.57E-07	-1.25E-07	6.10E-07	3.40E-07	-2.70E-07
676	490786.7	3860085.12	3.08E-06	1.69E-06	-1.39E-06	6.76E-07	3.78E-07	-2.99E-07	3.13E-07	1.74E-07	-1.38E-07	6.76E-07	3.78E-07	-2.99E-07
677	490836.7	3860085.12	3.44E-06	1.89E-06	-1.55E-06	7.56E-07	4.23E-07	-3.34E-07	3.50E-07	1.95E-07	-1.54E-07	7.56E-07	4.23E-07	-3.34E-07
678	490086.7	3860135.12	1.18E-06	6.43E-07	-5.36E-07	2.59E-07	1.44E-07	-1.15E-07	1.20E-07	6.66E-08	-5.32E-08	2.59E-07	1.44E-07	-1.15E-07
679	490136.7	3860135.12	1.22E-06	6.68E-07	-5.56E-07	2.69E-07	1.50E-07	-1.19E-07	1.24E-07	6.91E-08	-5.52E-08	2.69E-07	1.50E-07	-1.19E-07
680	490186.7	3860135.12	1.27E-06	6.96E-07	-5.79E-07	2.80E-07	1.56E-07	-1.24E-07	1.29E-07	7.20E-08	-5.74E-08	2.80E-07	1.56E-07	-1.24E-07
681	490236.7	3860135.12	1.33E-06	7.24E-07	-6.02E-07	2.91E-07	1.62E-07	-1.29E-07	1.35E-07	7.49E-08	-5.97E-08	2.91E-07	1.62E-07	-1.29E-07
682	490286.7	3860135.12	1.38E-06	7.55E-07	-6.27E-07	3.04E-07	1.69E-07	-1.35E-07	1.40E-07	7.82E-08	-6.22E-08	3.04E-07	1.69E-07	-1.35E-07
683	490336.7	3860135.12	1.44E-06	7.88E-07	-6.54E-07	3.17E-07	1.77E-07	-1.40E-07	1.47E-07	8.16E-08	-6.49E-08	3.17E-07	1.77E-07	-1.40E-07
684	490386.7	3860135.12	1.51E-06	8.24E-07	-6.84E-07	3.31E-07	1.85E-07	-1.47E-07	1.53E-07	8.53E-08	-6.79E-08	3.31E-07	1.85E-07	-1.47E-07
685	490436.7	3860135.12	1.58E-06	8.63E-07	-7.16E-07	3.47E-07	1.93E-07	-1.54E-07	1.60E-07	8.93E-08	-7.11E-08	3.47E-07	1.93E-07	-1.54E-07
686	490486.7	3860135.12	1.66E-06	9.07E-07	-7.53E-07	3.65E-07	2.03E-07	-1.62E-07	1.69E-07	9.39E-08	-7.47E-08	3.65E-07	2.03E-07	-1.62E-07
687	490536.7	3860135.12	1.75E-06	9.59E-07	-7.96E-07	3.86E-07	2.15E-07	-1.71E-07	1.78E-07	9.92E-08	-7.90E-08	3.86E-07	2.15E-07	-1.71E-07
688	490586.7	3860135.12	1.86E-06	1.02E-06	-8.44E-07	4.09E-07	2.28E-07	-1.81E-07	1.89E-07	1.05E-07	-8.37E-08	4.09E-07	2.28E-07	-1.81E-07
689	490636.7	3860135.12	1.98E-06	1.08E-06	-8.98E-07	4.35E-07	2.42E-07	-1.93E-07	2.01E-07	1.12E-07	-8.91E-08	4.35E-07	2.42E-07	-1.93E-07
690	490686.7	3860135.12	2.12E-06	1.16E-06	-9.61E-07	4.66E-07	2.60E-07	-2.06E-07	2.15E-07	1.20E-07	-9.53E-08	4.66E-07	2.60E-07	-2.06E-07
691	490736.7	3860135.12	2.29E-06	1.25E-06	-1.03E-06	5.02E-07	2.80E-07	-2.22E-07	2.32E-07	1.30E-07	-1.03E-07	5.02E-07	2.80E-07	-2.22E-07
692	490786.7	3860135.12	2.49E-06	1.37E-06	-1.13E-06	5.48E-07	3.06E-07	-2.42E-07	2.53E-07	1.41E-07	-1.12E-07	5.48E-07	3.06E-07	-2.42E-07
693	490836.7	3860135.12	2.73E-06	1.50E-06	-1.23E-06	6.00E-07	3.36E-07	-2.64E-07	2.77E-07	1.55E-07	-1.22E-07	6.00E-07	3.36E-07	-2.64E-07
694	490086.7	3860185.12	1.09E-06	5.93E-07	-4.95E-07	2.39E-07	1.33E-07	-1.06E-07	1.10E-07	6.14E-08	-4.91E-08	2.39E-07	1.33E-07	-1.06E-07
695	490136.7	3860185.12	1.13E-06	6.15E-07	-5.12E-07	2.48E-07	1.38E-07	-1.10E-07	1.14E-07	6.36E-08	-5.08E-08	2.48E-07	1.38E-07	-1.10E-07
696	490186.7	3860185.12	1.17E-06	6.38E-07	-5.31E-07	2.57E-07	1.43E-07	-1.14E-07	1.19E-07	6.60E-08	-5.26E-08	2.57E-07	1.43E-07	-1.14E-07
697	490236.7	3860185.12	1.21E-06	6.62E-07	-5.50E-07	2.66E-07	1.48E-07	-1.18E-07	1.23E-07	6.85E-08	-5.46E-08	2.66E-07	1.48E-07	-1.18E-07
698	490286.7	3860185.12	1.26E-06	6.88E-07	-5.71E-07	2.76E-07	1.54E-07	-1.23E-07	1.28E-07	7.11E-08	-5.66E-08	2.76E-07	1.54E-07	-1.23E-07
699	490336.7	3860185.12	1.31E-06	7.15E-07	-5.93E-07	2.87E-07	1.60E-07	-1.27E-07	1.33E-07	7.40E-08	-5.88E-08	2.87E-07	1.60E-07	-1.27E-07
700	490386.7	3860185.12	1.36E-06	7.45E-07	-6.17E-07	2.99E-07	1.67E-07	-1.32E-07	1.38E-07	7.71E-08	-6.12E-08	2.99E-07	1.67E-07	-1.32E-07
701	490436.7	3860185.12	1.42E-06	7.77E-07	-6.44E-07	3.12E-07	1.74E-07	-1.38E-07	1.44E-07	8.04E-08	-6.39E-08	3.12E-07	1.74E-07	-1.38E-07
702	490486.7	3860185.12	1.49E-06	8.12E-07	-6.74E-07	3.26E-07	1.82E-07	-1.45E-07	1.51E-07	8.41E-08	-6.68E-08	3.26E-07	1.82E-07	-1.45E-07
703	490536.7	3860185.12	1.56E-06	8.53E-07	-7.07E-07	3.43E-07	1.91E-07	-1.52E-07	1.58E-07	8.82E-08	-7.01E-08	3.43E-07	1.91E-07	-1.52E-07
704	490586.7	3860185.12	1.64E-06	8.99E-07	-7.45E-07	3.61E-07	2.01E-07	-1.60E-07	1.67E-07	9.30E-08	-7.39E-08	3.61E-07	2.01E-07	-1.60E-07
705	490636.7	3860185.12	1.74E-06	9.49E-07	-7.87E-07	3.81E-07	2.13E-07	-1.69E-07	1.76E-07	9.82E-08	-7.80E-08	3.81E-07	2.13E-07	-1.69E-07
706	490686.7	3860185.12	1.84E-06	1.01E-06	-8.35E-07	4.05E-07	2.26E-07	-1.79E-07	1.87E-07	1.04E-07	-8.28E-08	4.05E-07	2.26E-07	-1.79E-07
707	490736.7	3860185.12	1.96E-06	1.08E-06	-8.89E-07	4.31E-07	2.41E-07	-1.91E-07	1.99E-07	1.11E-07	-8.81E-08	4.31E-07	2.41E-07	-1.91E-07
708	490786.7	3860185.12	2.11E-06	1.16E-06	-9.54E-07	4.64E-07	2.59E-07	-2.05E-07	2.14E-07	1.20E-07	-9.46E-08	4.64E-07	2.59E-07	-2.05E-07
709	490836.7	3860185.12	2.29E-06	1.25E-06	-1.03E-06	5.02E-07	2.81E-07	-2.21E-07	2.32E-07	1.30E-07	-1.02E-07	5.02E-07	2.81E-07	-2.21E-07
710	490086.7	3860235.12	1.01E-06	5.52E-07	-4.60E-07	2.22E-07	1.24E-07	-9.88E-08	1.03E-07	5.71E-08	-4.57E-08	2.22E-07	1.24E-07	-9.88E-08
711	490136.7	3860235.12	1.05E-06	5.70E-07	-4.75E-07	2.30E-07	1.28E-07	-1.02E-07	1.06E-07	5.90E-08	-4.71E-08	2.30E-07	1.28E-07	-1.02E-07
712	490186.7	3860235.12	1.08E-06	5.90E-07	-4.91E-07	2.37E-07	1.32E-07	-1.05E-07	1.10E-07	6.10E-08	-4.87E-08	2.37E-07	1.32E-07	-1.05E-07
713	490236.7	3860235.12	1.12E-06	6.11E-07	-5.08E-07	2.46E-07	1.37E-07	-1.09E-07	1.14E-07	6.32E-08	-5.03E-08	2.46E-07	1.37E-07	-1.09E-07
714	490286.7	3860235.12	1.16E-06	6.32E-07	-5.25E-07	2.54E-07	1.42E-07	-1.13E-07	1.18E-07	6.54E-08	-5.21E-08	2.54E-07	1.42E-07	-1.13E-07
715	490336.7	3860235.12	1.20E-06	6.56E-07	-5.44E-07	2.64E-07	1.47E-07	-1.17E-07	1.22E-07	6.79E-08	-5.40E-08	2.64E-07	1.47E-07	-1.17E-07
716	490386.7	3860235.12	1.25E-06	6.81E-07	-5.65E-07	2.74E-07	1.53E-07	-1.21E-07	1.27E-07	7.05E-08	-5.60E-08	2.74E-07	1.53E-07	-1.21E-07
717	490436.7	3860235.12	1.30E-06	7.09E-07	-5.87E-07	2.85E-07	1.59E-07	-1.26E-07	1.32E-07	7.34E-08	-5.83E-08	2.85E-07	1.59E-07	-1.26E-07
718	490486.7	3860235.12	1.35E-06	7.38E-07	-6.11E-07	2.96E-07	1.65E-07	-1.31E-07	1.37E-07	7.64E-08	-6.06E-08	2.96E-07	1.65E-07	-1.31E-07
719	490536.7	3860235.12	1.41E-06	7.71E-07	-6.39E-07	3.10E-07	1.73E-07	-1.37E-07	1.43E-07	7.98E-08	-6.34E-08	3.10E-07	1.73E-07	-1.37E-07
720	490586.7	3860235.12	1.48E-06	8.08E-07	-6.70E-07	3.25E-07	1.81E-07	-1.44E-07	1.50E-07	8.37E-08	-6.64E-08	3.25E-07	1.81E-07	-1.44E-07
721	490636.7	3860235.12	1.55E-06	8.50E-07	-7.04E-07	3.41E-07	1.90E-07	-1.51E-07	1.58E-07	8.79E-08	-6.98E-08	3.41E-07	1.90E-07	-1.51E-07
722	490686.7	3860235.12	1.64E-06	8.97E-07	-7.42E-07	3.60E-07	2.01E-07	-1.59E-07	1.66E-07	9.28E-08	-7.36E-08	3.60E-07	2.01E-07	-1.59E-07
723	490736.7	3860235.12	1.74E-06	9.50E-07	-7.85E-07	3.81E-07	2.13E-07	-1.68E-07	1.76E-07	9.83E-08	-7.79E-08	3.81E-07	2.13E-07	-1.68E-07
724	490786.7	3860235.12	1.85E-06	1.01E-06	-8.36E-07	4.06E-07	2.27E-07	-1.79E-07	1.88E-07	1.05E-07	-8.29E-08	4.06E-07	2.27E-07	-1.79E-07
725	490086.7	3860285.12	9.48E-07	5.17E-07	-4.31E-07	2.08E-07	1.16E-07	-9.26E-08	9.63E-08	5.35E-08	-4.28E-08	2.08E-07	1.16E-07	-9.26E-08
726	490136.7	3860285.12	9.77E-07	5.33E-07	-4.44E-07	2.15E-07	1.19E-07	-9.54E-08	9.92E-08	5.51E-08	-4.41E-08	2.15E-07	1.19E-07	-9.54E-08
727	490186.7	3860285.12	1.01E-06	5.49E-07	-4.57E-07	2.21E-07	1.23E-07	-9.82E-08	1.02E-07	5.68E-08	-4.54E-08	2.21E-07	1.23E-07	-9.82E-08
728	490236.7	3860285.12	1.04E-06	5.68E-07	-4.72E-07	2.28E-07	1.27E-07	-1.01E-07	1.06E-07	5.87E-08	-4.68E-08	2.28E-07	1.27E-07	-1.01E-07
729	490286.7	3860285.12	1.07E-06	5.86E-07	-4.87E-07	2.36E-07	1.31E-07	-1.04E-07	1.09E-07	6.07E-08	-4.83E-08	2.36E-07	1.31E-07	-1.04E-07
730	490336.7	3860285.12	1.11E-06	6.07E-07	-5.03E-07	2.44E-07	1.36E-07	-1.08E-07	1.13E-07	6.28E-08	-4.99E-08	2.44E-07	1.36E-07	-1.08E-07
731	490386.7	3860285.12	1.15E-06	6.29E-07	-5.21E-07	2.53E-07	1.41E-07	-1.12E-07	1.17E-07	6.51E-08	-5.17E-08	2.53E-07	1.41E-07	-1.12E-07
732	490436.7	3860285.12	1.19E-06	6.53E-07	-5.40E-07	2.62E-07	1.46E-07	-1.16E-07	1.21E-07	6.75E-08	-5.36E-08	2.62E-07	1.46E-07	-1.16E-07
733	490486.7	3860285.12	1.24E-06	6.78E-07	-5.61E-07	2.72E-07	1.52E-07	-1.20E-07	1.26E-07	7.02E-08	-5.57E-08	2.72E-07	1.52E-07	-1.20E-07

734	490536.7	3860285.12	1.29E-06	7.06E-07	-5.84E-07	2.83E-07	1.58E-07	-1.25E-07	1.31E-07	7.31E-08	-5.79E-08	2.83E-07	1.58E-07	-1.25E-07
735	490586.7	3860285.12	1.35E-06	7.37E-07	-6.09E-07	2.96E-07	1.65E-07	-1.31E-07	1.37E-07	7.62E-08	-6.04E-08	2.96E-07	1.65E-07	-1.31E-07
736	490636.7	3860285.12	1.41E-06	7.71E-07	-6.38E-07	3.09E-07	1.73E-07	-1.37E-07	1.43E-07	7.98E-08	-6.32E-08	3.09E-07	1.73E-07	-1.37E-07
737	490686.7	3860285.12	1.48E-06	8.11E-07	-6.70E-07	3.25E-07	1.82E-07	-1.44E-07	1.50E-07	8.39E-08	-6.65E-08	3.25E-07	1.82E-07	-1.44E-07
738	490736.7	3860285.12	1.56E-06	8.54E-07	-7.06E-07	3.43E-07	1.91E-07	-1.51E-07	1.58E-07	8.84E-08	-7.00E-08	3.43E-07	1.91E-07	-1.51E-07
739	490786.7	3860285.12	1.65E-06	9.05E-07	-7.47E-07	3.63E-07	2.03E-07	-1.60E-07	1.68E-07	9.36E-08	-7.41E-08	3.63E-07	2.03E-07	-1.60E-07
740	490086.7	3860335.12	8.94E-07	4.88E-07	-4.07E-07	1.96E-07	1.09E-07	-8.73E-08	9.08E-08	5.05E-08	-4.03E-08	1.96E-07	1.09E-07	-8.73E-08
741	490136.7	3860335.12	9.19E-07	5.01E-07	-4.18E-07	2.02E-07	1.12E-07	-8.97E-08	9.33E-08	5.19E-08	-4.15E-08	2.02E-07	1.12E-07	-8.97E-08
742	490186.7	3860335.12	9.45E-07	5.16E-07	-4.30E-07	2.08E-07	1.15E-07	-9.23E-08	9.60E-08	5.34E-08	-4.26E-08	2.08E-07	1.15E-07	-9.23E-08
743	490236.7	3860335.12	9.73E-07	5.31E-07	-4.42E-07	2.14E-07	1.19E-07	-9.48E-08	9.88E-08	5.50E-08	-4.38E-08	2.14E-07	1.19E-07	-9.48E-08
744	490286.7	3860335.12	1.00E-06	5.48E-07	-4.55E-07	2.20E-07	1.23E-07	-9.77E-08	1.02E-07	5.67E-08	-4.52E-08	2.20E-07	1.23E-07	-9.77E-08
745	490336.7	3860335.12	1.04E-06	5.66E-07	-4.70E-07	2.27E-07	1.27E-07	-1.01E-07	1.05E-07	5.85E-08	-4.66E-08	2.27E-07	1.27E-07	-1.01E-07
746	490386.7	3860335.12	1.07E-06	5.85E-07	-4.85E-07	2.35E-07	1.31E-07	-1.04E-07	1.09E-07	6.05E-08	-4.81E-08	2.35E-07	1.31E-07	-1.04E-07
747	490436.7	3860335.12	1.11E-06	6.06E-07	-5.01E-07	2.43E-07	1.36E-07	-1.07E-07	1.12E-07	6.27E-08	-4.97E-08	2.43E-07	1.36E-07	-1.07E-07
748	490486.7	3860335.12	1.15E-06	6.28E-07	-5.19E-07	2.52E-07	1.41E-07	-1.11E-07	1.16E-07	6.50E-08	-5.15E-08	2.52E-07	1.41E-07	-1.11E-07
749	490536.7	3860335.12	1.19E-06	6.52E-07	-5.39E-07	2.62E-07	1.46E-07	-1.16E-07	1.21E-07	6.75E-08	-5.34E-08	2.62E-07	1.46E-07	-1.16E-07
750	490586.7	3860335.12	1.24E-06	6.79E-07	-5.61E-07	2.72E-07	1.52E-07	-1.20E-07	1.26E-07	7.02E-08	-5.56E-08	2.72E-07	1.52E-07	-1.20E-07
751	490636.7	3860335.12	1.29E-06	7.08E-07	-5.85E-07	2.84E-07	1.59E-07	-1.25E-07	1.31E-07	7.33E-08	-5.80E-08	2.84E-07	1.59E-07	-1.25E-07
752	490686.7	3860335.12	1.35E-06	7.41E-07	-6.12E-07	2.97E-07	1.66E-07	-1.31E-07	1.37E-07	7.67E-08	-6.07E-08	2.97E-07	1.66E-07	-1.31E-07
753	490736.7	3860335.12	1.42E-06	7.78E-07	-6.42E-07	3.12E-07	1.74E-07	-1.38E-07	1.44E-07	8.05E-08	-6.37E-08	3.12E-07	1.74E-07	-1.38E-07
754	490786.7	3860335.12	1.50E-06	8.21E-07	-6.77E-07	3.29E-07	1.84E-07	-1.45E-07	1.52E-07	8.49E-08	-6.71E-08	3.29E-07	1.84E-07	-1.45E-07
755	490086.7	3860385.12	8.49E-07	4.63E-07	-3.86E-07	1.87E-07	1.04E-07	-8.29E-08	8.62E-08	4.79E-08	-3.83E-08	1.87E-07	1.04E-07	-8.29E-08
756	490136.7	3860385.12	8.71E-07	4.75E-07	-3.96E-07	1.91E-07	1.06E-07	-8.50E-08	8.84E-08	4.91E-08	-3.93E-08	1.91E-07	1.06E-07	-8.50E-08
757	490186.7	3860385.12	8.93E-07	4.87E-07	-4.06E-07	1.96E-07	1.09E-07	-8.71E-08	9.07E-08	5.04E-08	-4.03E-08	1.96E-07	1.09E-07	-8.71E-08
758	490236.7	3860385.12	9.18E-07	5.01E-07	-4.17E-07	2.02E-07	1.12E-07	-8.95E-08	9.32E-08	5.18E-08	-4.14E-08	2.02E-07	1.12E-07	-8.95E-08
759	490286.7	3860385.12	9.44E-07	5.15E-07	-4.28E-07	2.07E-07	1.15E-07	-9.19E-08	9.58E-08	5.33E-08	-4.25E-08	2.07E-07	1.15E-07	-9.19E-08
760	490336.7	3860385.12	9.71E-07	5.31E-07	-4.41E-07	2.13E-07	1.19E-07	-9.46E-08	9.86E-08	5.49E-08	-4.37E-08	2.13E-07	1.19E-07	-9.46E-08
761	490386.7	3860385.12	1.00E-06	5.48E-07	-4.54E-07	2.20E-07	1.23E-07	-9.74E-08	1.02E-07	5.67E-08	-4.50E-08	2.20E-07	1.23E-07	-9.74E-08
762	490436.7	3860385.12	1.03E-06	5.66E-07	-4.69E-07	2.27E-07	1.27E-07	-1.01E-07	1.05E-07	5.86E-08	-4.65E-08	2.27E-07	1.27E-07	-1.01E-07
763	490486.7	3860385.12	1.07E-06	5.86E-07	-4.84E-07	2.35E-07	1.31E-07	-1.04E-07	1.09E-07	6.06E-08	-4.80E-08	2.35E-07	1.31E-07	-1.04E-07
764	490536.7	3860385.12	1.11E-06	6.07E-07	-5.01E-07	2.43E-07	1.36E-07	-1.08E-07	1.13E-07	6.28E-08	-4.97E-08	2.43E-07	1.36E-07	-1.08E-07
765	490586.7	3860385.12	1.15E-06	6.30E-07	-5.20E-07	2.53E-07	1.41E-07	-1.12E-07	1.17E-07	6.52E-08	-5.16E-08	2.53E-07	1.41E-07	-1.12E-07
766	490636.7	3860385.12	1.20E-06	6.56E-07	-5.41E-07	2.63E-07	1.47E-07	-1.16E-07	1.21E-07	6.78E-08	-5.36E-08	2.63E-07	1.47E-07	-1.16E-07
767	490686.7	3860385.12	1.25E-06	6.84E-07	-5.64E-07	2.74E-07	1.53E-07	-1.21E-07	1.27E-07	7.08E-08	-5.60E-08	2.74E-07	1.53E-07	-1.21E-07
768	490736.7	3860385.12	1.31E-06	7.15E-07	-5.90E-07	2.87E-07	1.60E-07	-1.27E-07	1.33E-07	7.40E-08	-5.85E-08	2.87E-07	1.60E-07	-1.27E-07
769	490786.7	3860385.12	1.37E-06	7.51E-07	-6.19E-07	3.01E-07	1.68E-07	-1.33E-07	1.39E-07	7.77E-08	-6.14E-08	3.01E-07	1.68E-07	-1.33E-07
770	490136.7	3860435.12	8.29E-07	4.53E-07	-3.77E-07	1.82E-07	1.01E-07	-8.09E-08	8.42E-08	4.68E-08	-3.74E-08	1.82E-07	1.01E-07	-8.09E-08
771	490186.7	3860435.12	8.50E-07	4.64E-07	-3.86E-07	1.87E-07	1.04E-07	-8.29E-08	8.63E-08	4.80E-08	-3.83E-08	1.87E-07	1.04E-07	-8.29E-08
772	490236.7	3860435.12	8.71E-07	4.75E-07	-3.95E-07	1.91E-07	1.06E-07	-8.49E-08	8.84E-08	4.92E-08	-3.92E-08	1.91E-07	1.06E-07	-8.49E-08
773	490286.7	3860435.12	8.93E-07	4.88E-07	-4.05E-07	1.96E-07	1.09E-07	-8.70E-08	9.07E-08	5.05E-08	-4.02E-08	1.96E-07	1.09E-07	-8.70E-08
774	490336.7	3860435.12	9.18E-07	5.01E-07	-4.16E-07	2.02E-07	1.12E-07	-8.94E-08	9.32E-08	5.19E-08	-4.13E-08	2.02E-07	1.12E-07	-8.94E-08
775	490386.7	3860435.12	9.44E-07	5.16E-07	-4.28E-07	2.08E-07	1.16E-07	-9.20E-08	9.59E-08	5.34E-08	-4.25E-08	2.08E-07	1.16E-07	-9.20E-08
776	490436.7	3860435.12	9.72E-07	5.32E-07	-4.40E-07	2.14E-07	1.19E-07	-9.45E-08	9.87E-08	5.50E-08	-4.37E-08	2.14E-07	1.19E-07	-9.45E-08
777	490486.7	3860435.12	1.00E-06	5.49E-07	-4.55E-07	2.21E-07	1.23E-07	-9.76E-08	1.02E-07	5.68E-08	-4.51E-08	2.21E-07	1.23E-07	-9.76E-08
778	490536.7	3860435.12	1.04E-06	5.68E-07	-4.69E-07	2.28E-07	1.27E-07	-1.01E-07	1.05E-07	5.88E-08	-4.65E-08	2.28E-07	1.27E-07	-1.01E-07
779	490586.7	3860435.12	1.07E-06	5.89E-07	-4.86E-07	2.36E-07	1.32E-07	-1.04E-07	1.09E-07	6.09E-08	-4.82E-08	2.36E-07	1.32E-07	-1.04E-07
780	490636.7	3860435.12	1.11E-06	6.11E-07	-5.04E-07	2.45E-07	1.37E-07	-1.08E-07	1.13E-07	6.32E-08	-5.00E-08	2.45E-07	1.37E-07	-1.08E-07
781	490686.7	3860435.12	1.16E-06	6.35E-07	-5.24E-07	2.55E-07	1.42E-07	-1.12E-07	1.18E-07	6.58E-08	-5.20E-08	2.55E-07	1.42E-07	-1.12E-07
782	490736.7	3860435.12	1.21E-06	6.63E-07	-5.46E-07	2.66E-07	1.48E-07	-1.17E-07	1.23E-07	6.86E-08	-5.42E-08	2.66E-07	1.48E-07	-1.17E-07
783	490786.7	3860435.12	1.26E-06	6.93E-07	-5.72E-07	2.78E-07	1.55E-07	-1.23E-07	1.28E-07	7.17E-08	-5.67E-08	2.78E-07	1.55E-07	-1.23E-07
784	490136.7	3860485.12	7.96E-07	4.34E-07	-3.62E-07	1.75E-07	9.73E-08	-7.76E-08	8.08E-08	4.50E-08	-3.59E-08	1.75E-07	9.73E-08	-7.76E-08
785	490186.7	3860485.12	8.13E-07	4.44E-07	-3.69E-07	1.79E-07	9.94E-08	-7.93E-08	8.26E-08	4.59E-08	-3.66E-08	1.79E-07	9.94E-08	-7.93E-08
786	490236.7	3860485.12	8.32E-07	4.54E-07	-3.78E-07	1.83E-07	1.02E-07	-8.11E-08	8.45E-08	4.70E-08	-3.75E-08	1.83E-07	1.02E-07	-8.11E-08
787	490286.7	3860485.12	8.52E-07	4.65E-07	-3.87E-07	1.87E-07	1.04E-07	-8.30E-08	8.65E-08	4.81E-08	-3.84E-08	1.87E-07	1.04E-07	-8.30E-08
788	490336.7	3860485.12	8.73E-07	4.77E-07	-3.97E-07	1.92E-07	1.07E-07	-8.51E-08	8.87E-08	4.93E-08	-3.93E-08	1.92E-07	1.07E-07	-8.51E-08
789	490386.7	3860485.12	8.97E-07	4.90E-07	-4.07E-07	1.97E-07	1.10E-07	-8.73E-08	9.11E-08	5.07E-08	-4.04E-08	1.97E-07	1.10E-07	-8.73E-08
790	490436.7	3860485.12	9.22E-07	5.04E-07	-4.18E-07	2.03E-07	1.13E-07	-8.97E-08	9.36E-08	5.22E-08	-4.14E-08	2.03E-07	1.13E-07	-8.97E-08
791	490486.7	3860485.12	9.49E-07	5.19E-07	-4.30E-07	2.09E-07	1.16E-07	-9.22E-08	9.64E-08	5.37E-08	-4.26E-08	2.09E-07	1.16E-07	-9.22E-08
792	490536.7	3860485.12	9.78E-07	5.35E-07	-4.42E-07	2.15E-07	1.20E-07	-9.49E-08	9.93E-08	5.54E-08	-4.39E-08	2.15E-07	1.20E-07	-9.49E-08
793	490586.7	3860485.12	1.01E-06	5.53E-07	-4.56E-07	2.22E-07	1.24E-07	-9.79E-08	1.02E-07	5.72E-08	-4.53E-08	2.22E-07	1.24E-07	-9.79E-08
794	490636.7	3860485.12	1.05E-06	5.73E-07	-4.72E-07	2.30E-07	1.28E-07	-1.01E-07	1.06E-07	5.93E-08	-4.69E-08	2.30E-07	1.28E-07	-1.01E-07
795	490686.7	3860485.12	1.08E-06	5.94E-07	-4.89E-07	2.38E-07	1.33E-07	-1.05E-07	1.10E-07	6.15E-08	-4.85E-08	2.38E-07	1.33E-07	-1.05E-07
796	490736.7	3860485.12	1.13E-06	6.18E-07	-5.09E-07	2.48E-07	1.38E-07	-1.09E-07	1.14E-07	6.40E-08	-5.05E-08	2.48E-07	1.38E-07	-1.09E-07
797	490786.7	3860485.12	1.17E-06	6.44E-07	-5.30E-07	2.58E-07	1.44E-07	-1.14E-07	1.19E-07	6.67E-08	-5.26E-08	2.58E-07	1.44E-07	-1.14E-07
798	490136.7	3860535.12	7.66E-07	4.18E-07	-3.48E-07	1.68E-07	9.37E-08	-7.47E-08	7.78E-08	4.33E-08	-3.45E-08	1.68E-07	9.37E-08	-7.47E-08
799	490186.7	3860535.12	7.83E-07	4.27E-07	-3.55E-07	1.72E-07	9.57E-08	-7.63E-08	7.95E-08	4.42E-08	-3.53E-08	1.72E-07	9.57E-08	-7.63E-08
800	490236.7	3860535.12	8.00E-07	4.36E-07	-3.63E-07	1.76E-07	9.77E-08	-7.80E-08	8.12E-08	4.52E-08	-3.60E-08	1.76E-07	9.77E-08	-7.80E-08
801	490286.7	3860535.12	8.17E-07	4.46E-07	-3.71E-07	1.79E-07	9.98E-08	-7.96E-08	8.29E-08	4.61E-08	-3.68E-08	1.79E-07	9.98E-08	-7.96E-08
802	490336.7	3860535.12	8.37E-07	4.57E-07	-3.80E-07	1.84E-07	1.02E-07	-8.15E-08	8.49E-08	4.73E-08	-3.77E-08	1.84E-07	1.02E-07	-8.15E-08
803	490386.7	3860535.12	8.57E-07	4.68E-07	-3.89E-07	1.88E-07	1.05E-07	-8.35E-08	8.70E-08	4.85E-08	-3.86E-08	1.88E-07	1.05E-07	-8.35E-08
804	490436.7	3860535.12	8.79E-07	4.81E-07	-3.98E-07	1.93E-07	1.08E-07	-8.55E-08	8.92E-08	4.97E-08	-3.95E-08	1.93E-07	1.08E-07	-8.55E-08
805	490486.7	3860535.12	9.03E-07	4.94E-07	-4.09E-07	1.98E-07	1.11E-07	-8.78E-08	9.17E-08	5.11E-08	-4.06E-08	1.98E-07	1.11E-07	-8.78E-08
806	490536.7	3860535.12	9.29E-07	5.09E-07	-4.21E-07	2.04E-07	1.14E-07	-9.03E-08	9.44E-08	5.26E-08	-4.17E-08	2.04E-07	1.14E-07	-9.03E-08
807	490586.7	3860535.12	9.56E-07	5.24E-07	-4.32E-07	2.10E-07	1.17E-07	-9.28E-08	9.71E-08	5.42E-08	-4.29E-08	2.10E-07	1.17E-07	-9.28E-08
808	490636.7	3860535.12	9.87E-07	5.41E-07	-4.46E-07	2.17E-07	1.21E-07	-9.57E-08	1.00E-07	5.59E-08	-4.43E-08	2.17E-07	1.21E-07	-9.57E-08
809	490686.7	3860535.12	1.02E-06	5.59E-07	-4.61E-07	2.24E-07	1.25E-07	-9.89E-08	1.04E-07	5.79E-08	-4.57E-08	2.24E-07	1.25E-07	-9.89E-08
810	490736.7	3860535.12	1.06E-06	5.80E-07	-4.77E-07	2.32E-07	1.30E-07	-1.02E-07	1.07E-07	6.00E-08	-4.73E-08	2.32E-07	1.30E-07	-1.02E-07
811	490786.7	3860535.12	1.10E-06	6.03E-07	-4.96E-07	2.42E-07	1.35E-07	-1.07E-07	1.12E-07	6.24E-08	-4.92E-08	2.42E-07	1.35E-07	-1.07E-07
812	490136.7	3860585.12	7.39E-07	4.04E-07	-3.36E-07	1.62E-07	9.04E-08	-7.21E-08	7.51E-08	4.18E-08	-3.33E-08	1.62E-07	9.04E-08	-7.21E-08
813	490186.7	3860585.12	7.53E-07	4.11E-07	-3.42E-07	1.65E-07	9.21E-08	-7.34E-08	7.65E-08	4.25E-08	-3.39E-08	1.65E-07	9.21E-08	-7.34E-08
814	490236.7	3860585.12	7.69E-07	4.20E-07	-3.49E-07	1.69E-07	9.41E-08	-7.49E-08	7.81E-08	4.35E-08	-3.46E-08	1.69E-07	9.41E-08	-7.49E-08
815	490286.7	3860585.12	7.86E-07	4.29E-07	-3.57E-07	1.73E-07	9.61E-08	-7.66E-08	7.98E-08	4.44E-08	-3.54E-08	1.73E-07	9.61E-08	-7.66E-08
816	490336.7	3860585.12	8.04E-07	4.39E-07	-3.65E-07	1.77E-07	9.83E-08	-7.84E-08	8.17E-08	4.54E-08	-3.62E-08	1.77E-07	9.83E-08	-7.84E-08
817	490386.7	3860585.12	8.22E-07	4.49E-07	-3.73E-07	1.81E-07	1.01E-07	-8.01E-08	8.35E-08	4.65E-08	-3.70E-08	1.81E-07	1.01E-07	-8.01E-08
818	490436.7	3860585.12	8.43E-07	4.61E-07	-3.82E-07	1.85E-07	1.03E-07	-8.20E-08	8.56E-08	4.77E-08	-3.79E-08	1.85E-07	1.03E-07	-8.20E-08
819	490486.7	3860585.12	8.64E-07	4.73E-07	-3.92E-07	1.90E-07	1.06E-07	-8.41E-08	8.78E-08	4.89E-08	-3.89E-08	1.90E-07	1.06E-07	-8.41E-08
820	490536.7	3860585.12	8.88E-07	4.86E-07	-4.02E-07	1.95E-07	1.09E-07	-8.63E-08	9.02E-08	5.03E-08	-3.99E-08	1.95E-07	1.09E-07	-8.63E-08
821	490586.7	3860585.12	9.11E-07	4.99E-07	-4.13E-07	2.00E-07	1.12E-07	-8.85E-08	9.25E-08	5.16E-08	-4.09E-08	2.00E-07	1.12E-07	-8.85E-08
822	490636.7	3860585.12	9.38E-07	5.14E-07	-4.24E-07	2.06E-07	1.15E-07	-9.11E-08	9.53E-08	5.32E-08	-4.21E-08	2.06E-07	1.15E-07	-9.11E-08
823	490686.7	3860585.12	9.67E-07	5.30E-07	-4.37E-07	2.12E-07	1.19E-07	-9.38E-08	9.82E-08	5.48E-08	-4.33E-08	2.12E-07	1.19E-07	-9.38E-08
824	490736.7	3860585.12	9.99E-07	5.48E-07	-4.51E-07	2.20E-07	1.23E-07	-9.68E-08	1.01E-07	5.67E-08	-4.48E-08	2.20E-07	1.23E-07	-9.68E-08
825	490786.7	3860585.12	1.04E-06	5.68E-07	-4.68E-07	2.27E-07	1.27E-07	-1.00E-07	1.05E-07	5.87E-08	-4.64E-08	2.27E-07	1.27E-07	-1.00E-07
826	490136.7	3860635.12	7.12E-07	3.89E-07	-3.23E-07	1.56E-07	8.71E-08	-6.93E-08	7.22E-08	4.02E-08	-3.20E-08	1.56E-07	8.71E-08	-6.93E-08
827	490186.7	3860635.12	7.27E-07	3.97E-07	-3.30E-07	1.60E-07	8.89E-08	-7.08E-08	7.38E-08	4.11E-08	-3.27E-08	1.60E-07	8.89E-08	-7.08E-08
828	490236.7	3860635.12	7.42E-07	4.05E-07	-3.37E-07	1.63E-07	9.07E-08	-7.23E-08	7.54E-08	4.19E-08	-3.34E-08	1.63E-07	9.07E-08	-7.23E-08
829	490286.7	3860635.12	7.57E-07	4.14E-07	-3.44E-07	1.66E-07	9.26E-08	-7.38E-08	7.69E-08	4.28E-08	-3.41E-08	1.66E-07	9.26E-08	-7.38E-08
830	490336.7	3860635.12	7.74E-07	4.23E-07	-3.52E-07	1.70E-07	9.47E-08	-7.55E-08	7.86E-08	4.38E-08	-3.49E-08	1.70E-07	9.47E-08	-7.55E-08
831	490386.7	3860635.12	7.92E-07	4.32E-07	-3.59E-07	1.74E-07	9.68E-08	-7.71E-08	8.04E-08	4.48E-08	-3.56E-08	1.74E-07	9.68E-08	-7.71E-08
832	490436.7	3860635.12	8.10E-07	4.43E-07	-3.68E-07	1.78E-07	9.91E-08	-7.90E-08	8.23E-08	4.58E-08	-3.65E-08	1.78E-07	9.91E-08	-7.90E-08
833	490486.7	3860635.12	8.30E-07	4.54E-07	-3.76E-07	1.82E-07	1.02E-07	-8.08E-08	8.43E-08	4.70E-08	-3.73E-08	1.82E-07	1.02E-07	-8.08E-08
834	490536.7	3860635.12	8.52E-07	4.66E-07	-3.86E-07	1.87E-07	1.04E-07	-8.29E-08	8.65E-08	4.82E-08	-3.83E-08	1.87E-07	1.04E-07	-8.29E-08
835	490586.7	3860635.12	8.73E-07	4.78E-07	-3.96E-07	1.92E-07	1.07E-07	-8.49E-08	8.87E-08	4.95E-08	-3.92E-08	1.92E-07	1.07E-07	-8.49E-08
836	490636.7	3860635.12	8.97E-07	4.91E-07	-4.06E-07	1.97E-07	1.10E-07	-8.70E-08	9.11E-08	5.08E-08	-4.02E-08	1.97E-07	1.10E-07	-8.70E-08
837	490686.7	3860635.12	9.23E-07	5.06E-07	-4.17E-07	2.03E-07	1.13E-07	-8.95E-08	9.37E-08	5.23E-08	-4.14E-08	2.03E-07	1.13E-07	-8.95E-08
838	490736.7	3860635.12	9.51E-07	5.21E-07	-4.30E-07	2.09E-07	1.17E-07	-9.22E-08	9.65E-08	5.39E-08	-4.26E-08	2.09E-07	1.17E-07	-9.22E-08

839	490786.7	3860635.12	9.82E-07	5.39E-07	-4.44E-07	2.16E-07	1.21E-07	-9.52E-08	9.97E-08	5.57E-08	-4.40E-08	2.16E-07	1.21E-07	-9.52E-08
840	490136.7	3860685.12	6.85E-07	3.74E-07	-3.11E-07	1.51E-07	8.38E-08	-6.68E-08	6.96E-08	3.87E-08	-3.09E-08	1.51E-07	8.38E-08	-6.68E-08
841	490186.7	3860685.12	6.99E-07	3.82E-07	-3.17E-07	1.54E-07	8.55E-08	-6.81E-08	7.10E-08	3.95E-08	-3.15E-08	1.54E-07	8.55E-08	-6.81E-08
842	490236.7	3860685.12	7.14E-07	3.90E-07	-3.24E-07	1.57E-07	8.73E-08	-6.96E-08	7.25E-08	4.04E-08	-3.22E-08	1.57E-07	8.73E-08	-6.96E-08
843	490286.7	3860685.12	7.29E-07	3.98E-07	-3.31E-07	1.60E-07	8.91E-08	-7.10E-08	7.40E-08	4.12E-08	-3.28E-08	1.60E-07	8.91E-08	-7.10E-08
844	490336.7	3860685.12	7.45E-07	4.07E-07	-3.38E-07	1.64E-07	9.11E-08	-7.25E-08	7.56E-08	4.21E-08	-3.35E-08	1.64E-07	9.11E-08	-7.25E-08
845	490386.7	3860685.12	7.62E-07	4.16E-07	-3.46E-07	1.67E-07	9.32E-08	-7.42E-08	7.74E-08	4.31E-08	-3.43E-08	1.67E-07	9.32E-08	-7.42E-08
846	490436.7	3860685.12	7.79E-07	4.26E-07	-3.53E-07	1.71E-07	9.53E-08	-7.59E-08	7.91E-08	4.40E-08	-3.51E-08	1.71E-07	9.53E-08	-7.59E-08
847	490486.7	3860685.12	7.98E-07	4.36E-07	-3.62E-07	1.75E-07	9.76E-08	-7.77E-08	8.10E-08	4.51E-08	-3.59E-08	1.75E-07	9.76E-08	-7.77E-08
848	490536.7	3860685.12	8.18E-07	4.47E-07	-3.71E-07	1.80E-07	1.00E-07	-7.96E-08	8.30E-08	4.62E-08	-3.68E-08	1.80E-07	1.00E-07	-7.96E-08
849	490586.7	3860685.12	8.38E-07	4.59E-07	-3.80E-07	1.84E-07	1.03E-07	-8.15E-08	8.51E-08	4.74E-08	-3.77E-08	1.84E-07	1.03E-07	-8.15E-08
850	490636.7	3860685.12	8.61E-07	4.71E-07	-3.90E-07	1.89E-07	1.06E-07	-8.36E-08	8.74E-08	4.88E-08	-3.87E-08	1.89E-07	1.06E-07	-8.36E-08
851	490686.7	3860685.12	8.85E-07	4.85E-07	-4.01E-07	1.94E-07	1.09E-07	-8.60E-08	8.99E-08	5.01E-08	-3.97E-08	1.94E-07	1.09E-07	-8.60E-08
852	490736.7	3860685.12	9.10E-07	4.99E-07	-4.12E-07	2.00E-07	1.12E-07	-8.83E-08	9.24E-08	5.16E-08	-4.08E-08	2.00E-07	1.12E-07	-8.83E-08
853	490786.7	3860685.12	9.38E-07	5.14E-07	-4.24E-07	2.06E-07	1.15E-07	-9.10E-08	9.53E-08	5.32E-08	-4.20E-08	2.06E-07	1.15E-07	-9.10E-08
854	490136.7	3860735.12	6.58E-07	3.60E-07	-2.99E-07	1.45E-07	8.06E-08	-6.41E-08	6.69E-08	3.72E-08	-2.96E-08	1.45E-07	8.06E-08	-6.41E-08
855	490186.7	3860735.12	6.71E-07	3.67E-07	-3.04E-07	1.47E-07	8.21E-08	-6.53E-08	6.81E-08	3.79E-08	-3.02E-08	1.47E-07	8.21E-08	-6.53E-08
856	490236.7	3860735.12	6.85E-07	3.74E-07	-3.11E-07	1.51E-07	8.38E-08	-6.68E-08	6.96E-08	3.87E-08	-3.09E-08	1.51E-07	8.38E-08	-6.68E-08
857	490286.7	3860735.12	7.00E-07	3.82E-07	-3.17E-07	1.54E-07	8.56E-08	-6.81E-08	7.11E-08	3.96E-08	-3.15E-08	1.54E-07	8.56E-08	-6.81E-08
858	490336.7	3860735.12	7.15E-07	3.91E-07	-3.24E-07	1.57E-07	8.75E-08	-6.96E-08	7.26E-08	4.04E-08	-3.22E-08	1.57E-07	8.75E-08	-6.96E-08
859	490386.7	3860735.12	7.32E-07	4.00E-07	-3.33E-07	1.61E-07	8.95E-08	-7.14E-08	7.44E-08	4.14E-08	-3.30E-08	1.61E-07	8.95E-08	-7.14E-08
860	490436.7	3860735.12	7.49E-07	4.09E-07	-3.40E-07	1.65E-07	9.17E-08	-7.30E-08	7.61E-08	4.24E-08	-3.37E-08	1.65E-07	9.17E-08	-7.30E-08
861	490486.7	3860735.12	7.67E-07	4.19E-07	-3.48E-07	1.69E-07	9.38E-08	-7.47E-08	7.79E-08	4.34E-08	-3.45E-08	1.69E-07	9.38E-08	-7.47E-08
862	490536.7	3860735.12	7.84E-07	4.29E-07	-3.56E-07	1.72E-07	9.60E-08	-7.63E-08	7.96E-08	4.44E-08	-3.53E-08	1.72E-07	9.60E-08	-7.63E-08
863	490586.7	3860735.12	8.04E-07	4.40E-07	-3.65E-07	1.77E-07	9.84E-08	-7.82E-08	8.17E-08	4.55E-08	-3.62E-08	1.77E-07	9.84E-08	-7.82E-08
864	490636.7	3860735.12	8.25E-07	4.51E-07	-3.74E-07	1.81E-07	1.01E-07	-8.02E-08	8.38E-08	4.67E-08	-3.71E-08	1.81E-07	1.01E-07	-8.02E-08
865	490686.7	3860735.12	8.48E-07	4.64E-07	-3.84E-07	1.86E-07	1.04E-07	-8.24E-08	8.61E-08	4.80E-08	-3.81E-08	1.86E-07	1.04E-07	-8.24E-08
866	490736.7	3860735.12	8.73E-07	4.78E-07	-3.95E-07	1.92E-07	1.07E-07	-8.47E-08	8.86E-08	4.95E-08	-3.91E-08	1.92E-07	1.07E-07	-8.47E-08
867	490136.7	3860785.12	6.31E-07	3.45E-07	-2.86E-07	1.39E-07	7.73E-08	-6.15E-08	6.41E-08	3.57E-08	-2.84E-08	1.39E-07	7.73E-08	-6.15E-08
868	490186.7	3860785.12	6.44E-07	3.52E-07	-2.92E-07	1.42E-07	7.88E-08	-6.27E-08	6.54E-08	3.64E-08	-2.90E-08	1.42E-07	7.88E-08	-6.27E-08
869	490236.7	3860785.12	6.58E-07	3.59E-07	-2.98E-07	1.44E-07	8.04E-08	-6.40E-08	6.68E-08	3.72E-08	-2.96E-08	1.44E-07	8.04E-08	-6.40E-08
870	490286.7	3860785.12	6.71E-07	3.67E-07	-3.04E-07	1.47E-07	8.21E-08	-6.53E-08	6.81E-08	3.79E-08	-3.02E-08	1.47E-07	8.21E-08	-6.53E-08
871	490336.7	3860785.12	6.86E-07	3.75E-07	-3.11E-07	1.51E-07	8.39E-08	-6.69E-08	6.97E-08	3.88E-08	-3.09E-08	1.51E-07	8.39E-08	-6.69E-08
872	490386.7	3860785.12	7.02E-07	3.83E-07	-3.18E-07	1.54E-07	8.58E-08	-6.83E-08	7.12E-08	3.97E-08	-3.16E-08	1.54E-07	8.58E-08	-6.83E-08
873	490436.7	3860785.12	7.18E-07	3.92E-07	-3.26E-07	1.58E-07	8.78E-08	-6.99E-08	7.29E-08	4.06E-08	-3.23E-08	1.58E-07	8.78E-08	-6.99E-08
874	490486.7	3860785.12	7.36E-07	4.02E-07	-3.34E-07	1.62E-07	9.00E-08	-7.17E-08	7.47E-08	4.16E-08	-3.31E-08	1.62E-07	9.00E-08	-7.17E-08
875	490536.7	3860785.12	7.53E-07	4.11E-07	-3.42E-07	1.65E-07	9.21E-08	-7.33E-08	7.65E-08	4.26E-08	-3.39E-08	1.65E-07	9.21E-08	-7.33E-08
876	490586.7	3860785.12	7.71E-07	4.21E-07	-3.50E-07	1.69E-07	9.43E-08	-7.50E-08	7.83E-08	4.36E-08	-3.47E-08	1.69E-07	9.43E-08	-7.50E-08
877	490636.7	3860785.12	7.91E-07	4.32E-07	-3.58E-07	1.74E-07	9.68E-08	-7.69E-08	8.03E-08	4.47E-08	-3.56E-08	1.74E-07	9.68E-08	-7.69E-08
878	490686.7	3860785.12	8.11E-07	4.44E-07	-3.67E-07	1.78E-07	9.94E-08	-7.89E-08	8.24E-08	4.59E-08	-3.65E-08	1.78E-07	9.94E-08	-7.89E-08
879	490736.7	3860785.12	8.35E-07	4.57E-07	-3.78E-07	1.83E-07	1.02E-07	-8.11E-08	8.48E-08	4.73E-08	-3.75E-08	1.83E-07	1.02E-07	-8.11E-08
880	490086.7	3860835.12	5.95E-07	3.26E-07	-2.70E-07	1.31E-07	7.29E-08	-5.79E-08	6.05E-08	3.37E-08	-2.68E-08	1.31E-07	7.29E-08	-5.79E-08
881	490136.7	3860835.12	6.07E-07	3.32E-07	-2.75E-07	1.33E-07	7.43E-08	-5.91E-08	6.17E-08	3.44E-08	-2.73E-08	1.33E-07	7.43E-08	-5.91E-08
882	490186.7	3860835.12	6.19E-07	3.38E-07	-2.81E-07	1.36E-07	7.57E-08	-6.02E-08	6.28E-08	3.50E-08	-2.78E-08	1.36E-07	7.57E-08	-6.02E-08
883	490236.7	3860835.12	6.31E-07	3.45E-07	-2.86E-07	1.39E-07	7.73E-08	-6.15E-08	6.41E-08	3.57E-08	-2.84E-08	1.39E-07	7.73E-08	-6.15E-08
884	490286.7	3860835.12	6.45E-07	3.52E-07	-2.93E-07	1.42E-07	7.89E-08	-6.28E-08	6.55E-08	3.65E-08	-2.90E-08	1.42E-07	7.89E-08	-6.28E-08
885	490336.7	3860835.12	6.58E-07	3.60E-07	-2.99E-07	1.45E-07	8.05E-08	-6.42E-08	6.69E-08	3.72E-08	-2.97E-08	1.45E-07	8.05E-08	-6.42E-08
886	490386.7	3860835.12	6.73E-07	3.67E-07	-3.05E-07	1.48E-07	8.23E-08	-6.56E-08	6.83E-08	3.80E-08	-3.03E-08	1.48E-07	8.23E-08	-6.56E-08
887	490436.7	3860835.12	6.88E-07	3.76E-07	-3.12E-07	1.51E-07	8.42E-08	-6.70E-08	6.99E-08	3.89E-08	-3.10E-08	1.51E-07	8.42E-08	-6.70E-08
888	490486.7	3860835.12	7.04E-07	3.85E-07	-3.20E-07	1.55E-07	8.61E-08	-6.86E-08	7.15E-08	3.98E-08	-3.17E-08	1.55E-07	8.61E-08	-6.86E-08
889	490536.7	3860835.12	7.21E-07	3.94E-07	-3.27E-07	1.59E-07	8.82E-08	-7.03E-08	7.33E-08	4.08E-08	-3.25E-08	1.59E-07	8.82E-08	-7.03E-08
890	490586.7	3860835.12	7.39E-07	4.03E-07	-3.35E-07	1.62E-07	9.03E-08	-7.19E-08	7.50E-08	4.17E-08	-3.32E-08	1.62E-07	9.03E-08	-7.19E-08
891	490636.7	3860835.12	7.56E-07	4.14E-07	-3.43E-07	1.66E-07	9.26E-08	-7.36E-08	7.68E-08	4.28E-08	-3.40E-08	1.66E-07	9.26E-08	-7.36E-08
892	490686.7	3860835.12	7.76E-07	4.25E-07	-3.52E-07	1.71E-07	9.51E-08	-7.55E-08	7.88E-08	4.39E-08	-3.49E-08	1.71E-07	9.51E-08	-7.55E-08
893	490736.7	3860835.12	7.99E-07	4.37E-07	-3.62E-07	1.76E-07	9.78E-08	-7.77E-08	8.11E-08	4.52E-08	-3.59E-08	1.76E-07	9.78E-08	-7.77E-08
894	490086.7	3860885.12	5.75E-07	3.14E-07	-2.61E-07	1.26E-07	7.03E-08	-5.60E-08	5.84E-08	3.25E-08	-2.59E-08	1.26E-07	7.03E-08	-5.60E-08
895	490136.7	3860885.12	5.86E-07	3.20E-07	-2.66E-07	1.29E-07	7.17E-08	-5.70E-08	5.95E-08	3.31E-08	-2.63E-08	1.29E-07	7.17E-08	-5.70E-08
896	490186.7	3860885.12	5.96E-07	3.26E-07	-2.70E-07	1.31E-07	7.30E-08	-5.80E-08	6.06E-08	3.37E-08	-2.68E-08	1.31E-07	7.30E-08	-5.80E-08
897	490236.7	3860885.12	6.08E-07	3.32E-07	-2.76E-07	1.34E-07	7.44E-08	-5.92E-08	6.17E-08	3.44E-08	-2.74E-08	1.34E-07	7.44E-08	-5.92E-08
898	490286.7	3860885.12	6.20E-07	3.39E-07	-2.81E-07	1.36E-07	7.58E-08	-6.03E-08	6.29E-08	3.50E-08	-2.79E-08	1.36E-07	7.58E-08	-6.03E-08
899	490336.7	3860885.12	6.32E-07	3.45E-07	-2.87E-07	1.39E-07	7.73E-08	-6.16E-08	6.42E-08	3.57E-08	-2.85E-08	1.39E-07	7.73E-08	-6.16E-08
900	490386.7	3860885.12	6.46E-07	3.53E-07	-2.93E-07	1.42E-07	7.90E-08	-6.29E-08	6.56E-08	3.65E-08	-2.91E-08	1.42E-07	7.90E-08	-6.29E-08
901	490436.7	3860885.12	6.60E-07	3.61E-07	-3.00E-07	1.45E-07	8.07E-08	-6.43E-08	6.70E-08	3.73E-08	-2.97E-08	1.45E-07	8.07E-08	-6.43E-08
902	490486.7	3860885.12	6.75E-07	3.69E-07	-3.06E-07	1.48E-07	8.26E-08	-6.57E-08	6.85E-08	3.82E-08	-3.03E-08	1.48E-07	8.26E-08	-6.57E-08
903	490536.7	3860885.12	6.91E-07	3.77E-07	-3.13E-07	1.52E-07	8.45E-08	-6.73E-08	7.01E-08	3.91E-08	-3.11E-08	1.52E-07	8.45E-08	-6.73E-08
904	490586.7	3860885.12	7.07E-07	3.86E-07	-3.21E-07	1.55E-07	8.65E-08	-6.88E-08	7.18E-08	4.00E-08	-3.18E-08	1.55E-07	8.65E-08	-6.88E-08
905	490636.7	3860885.12	7.24E-07	3.95E-07	-3.29E-07	1.59E-07	8.86E-08	-7.05E-08	7.35E-08	4.09E-08	-3.26E-08	1.59E-07	8.86E-08	-7.05E-08
906	490686.7	3860885.12	7.42E-07	4.06E-07	-3.36E-07	1.63E-07	9.08E-08	-7.22E-08	7.54E-08	4.20E-08	-3.34E-08	1.63E-07	9.08E-08	-7.22E-08
907	490736.7	3860885.12	7.62E-07	4.17E-07	-3.45E-07	1.67E-07	9.33E-08	-7.41E-08	7.74E-08	4.31E-08	-3.42E-08	1.67E-07	9.33E-08	-7.41E-08
908	490086.7	3860935.12	5.55E-07	3.03E-07	-2.52E-07	1.22E-07	6.79E-08	-5.40E-08	5.64E-08	3.14E-08	-2.50E-08	1.22E-07	6.79E-08	-5.40E-08
909	490136.7	3860935.12	5.65E-07	3.09E-07	-2.56E-07	1.24E-07	6.92E-08	-5.49E-08	5.74E-08	3.20E-08	-2.54E-08	1.24E-07	6.92E-08	-5.49E-08
910	490186.7	3860935.12	5.75E-07	3.14E-07	-2.60E-07	1.26E-07	7.04E-08	-5.59E-08	5.84E-08	3.25E-08	-2.58E-08	1.26E-07	7.04E-08	-5.59E-08
911	490236.7	3860935.12	5.86E-07	3.20E-07	-2.65E-07	1.29E-07	7.17E-08	-5.69E-08	5.95E-08	3.31E-08	-2.63E-08	1.29E-07	7.17E-08	-5.69E-08
912	490286.7	3860935.12	5.97E-07	3.27E-07	-2.71E-07	1.31E-07	7.31E-08	-5.81E-08	6.06E-08	3.38E-08	-2.69E-08	1.31E-07	7.31E-08	-5.81E-08
913	490336.7	3860935.12	6.09E-07	3.33E-07	-2.76E-07	1.34E-07	7.45E-08	-5.93E-08	6.18E-08	3.44E-08	-2.74E-08	1.34E-07	7.45E-08	-5.93E-08
914	490386.7	3860935.12	6.22E-07	3.39E-07	-2.82E-07	1.37E-07	7.60E-08	-6.06E-08	6.31E-08	3.51E-08	-2.80E-08	1.37E-07	7.60E-08	-6.06E-08
915	490436.7	3860935.12	6.35E-07	3.47E-07	-2.88E-07	1.40E-07	7.77E-08	-6.19E-08	6.45E-08	3.59E-08	-2.86E-08	1.40E-07	7.77E-08	-6.19E-08
916	490486.7	3860935.12	6.49E-07	3.54E-07	-2.95E-07	1.42E-07	7.93E-08	-6.32E-08	6.59E-08	3.66E-08	-2.92E-08	1.42E-07	7.93E-08	-6.32E-08
917	490536.7	3860935.12	6.63E-07	3.62E-07	-3.01E-07	1.46E-07	8.11E-08	-6.46E-08	6.73E-08	3.75E-08	-2.99E-08	1.46E-07	8.11E-08	-6.46E-08
918	490586.7	3860935.12	6.77E-07	3.70E-07	-3.07E-07	1.49E-07	8.28E-08	-6.60E-08	6.88E-08	3.83E-08	-3.05E-08	1.49E-07	8.28E-08	-6.60E-08
919	490636.7	3860935.12	6.94E-07	3.79E-07	-3.15E-07	1.52E-07	8.48E-08	-6.75E-08	7.04E-08	3.92E-08	-3.12E-08	1.52E-07	8.48E-08	-6.75E-08
920	490686.7	3860935.12	7.11E-07	3.88E-07	-3.22E-07	1.56E-07	8.69E-08	-6.92E-08	7.22E-08	4.02E-08	-3.20E-08	1.56E-07	8.69E-08	-6.92E-08
921	490736.7	3860935.12	7.29E-07	3.98E-07	-3.30E-07	1.60E-07	8.92E-08	-7.09E-08	7.40E-08	4.12E-08	-3.28E-08	1.60E-07	8.92E-08	-7.09E-08
922	490786.7	3860935.12	7.48E-07	4.09E-07	-3.39E-07	1.64E-07	9.16E-08	-7.27E-08	7.59E-08	4.23E-08	-3.36E-08	1.64E-07	9.16E-08	-7.27E-08
923	490836.7	3860935.12	7.69E-07	4.21E-07	-3.48E-07	1.69E-07	9.42E-08	-7.48E-08	7.81E-08	4.35E-08	-3.45E-08	1.69E-07	9.42E-08	-7.48E-08
924	490086.7	3860985.12	5.38E-07	2.94E-07	-2.44E-07	1.18E-07	6.59E-08	-5.23E-08	5.46E-08	3.05E-08	-2.42E-08	1.18E-07	6.59E-08	-5.23E-08
925	490136.7	3860985.12	5.47E-07	2.99E-07	-2.48E-07	1.20E-07	6.69E-08	-5.32E-08	5.55E-08	3.09E-08	-2.46E-08	1.20E-07	6.69E-08	-5.32E-08
926	490186.7	3860985.12	5.57E-07	3.04E-07	-2.52E-07	1.22E-07	6.82E-08	-5.42E-08	5.65E-08	3.15E-08	-2.50E-08	1.22E-07	6.82E-08	-5.42E-08
927	490236.7	3860985.12	5.66E-07	3.09E-07	-2.56E-07	1.24E-07	6.93E-08	-5.50E-08	5.75E-08	3.20E-08	-2.54E-08	1.24E-07	6.93E-08	-5.50E-08
928	490286.7	3860985.12	5.77E-07	3.15E-07	-2.61E-07	1.27E-07	7.06E-08	-5.61E-08	5.85E-08	3.26E-08	-2.59E-08	1.27E-07	7.06E-08	-5.61E-08
929	490336.7	3860985.12	5.87E-07	3.21E-07	-2.66E-07	1.29E-07	7.19E-08	-5.72E-08	5.96E-08	3.32E-08	-2.64E-08	1.29E-07	7.19E-08	-5.72E-08
930	490386.7	3860985.12	5.99E-07	3.27E-07	-2.72E-07	1.32E-07	7.33E-08	-5.83E-08	6.08E-08	3.39E-08	-2.70E-08	1.32E-07	7.33E-08	-5.83E-08
931	490436.7	3860985.12	6.12E-07	3.34E-07	-2.77E-07	1.34E-07	7.48E-08	-5.96E-08	6.21E-08	3.46E-08	-2.75E-08	1.34E-07	7.48E-08	-5.96E-08
932	490486.7	3860985.12	6.24E-07	3.41E-07	-2.83E-07	1.37E-07	7.63E-08	-6.08E-08	6.34E-08	3.53E-08	-2.81E-08	1.37E-07	7.63E-08	-6.08E-08
933	490536.7	3860985.12	6.37E-07	3.48E-07	-2.89E-07	1.40E-07	7.79E-08	-6.20E-08	6.47E-08	3.60E-08	-2.87E-08	1.40E-07	7.79E-08	-6.20E-08
934	490586.7	3860985.12	6.51E-07	3.56E-07	-2.96E-07	1.43E-07	7.96E-08	-6.35E-08	6.61E-08	3.68E-08	-2.93E-08	1.43E-07	7.96E-08	-6.35E-08
935	490636.7	3860985.12	6.66E-07	3.63E-07	-3.02E-07	1.46E-07	8.14E-08	-6.49E-08	6.76E-08	3.76E-08	-3.00E-08	1.46E-07	8.14E-08	-6.49E-08
936	490686.7	3860985.12	6.81E-07	3.72E-07	-3.09E-07	1.50E-07	8.33E-08	-6.63E-08	6.91E-08	3.85E-08	-3.07E-08	1.50E-07	8.33E-08	-6.63E-08
937	490736.7	3860985.12	6.97E-07	3.81E-07	-3.16E-07	1.53E-07	8.53E-08	-6.79E-08	7.08E-08	3.94E-08	-3.14E-08	1.53E-07	8.53E-08	-6.79E-08
938	490786.7	3860985.12	7.15E-07	3.91E-07	-3.24E-07	1.57E-07	8.75E-08	-6.96E-08	7.26E-08	4.04E-08	-3.22E-08	1.57E-07	8.75E-08	-6.96E-08
939	490836.7	3860985.12	7.34E-07	4.01E-07	-3.33E-07	1.61E-07	8.99E-08	-7.14E-08	7.45E-08	4.15E-08	-3.30E-08	1.61E-07	8.99E-08	-7.14E-08
940	490086.7	3861035.12	5.21E-07	2.85E-07	-2.36E-07	1.14E-07	6.38E-08	-5.06E-08	5.29E-08	2.95E-08	-2.34E-08	1.14E-07	6.38E-08	-5.06E-08
941	490136.7	3861035.12	5.30E-07	2.90E-07	-2.40E-07	1.16E-07	6.49E-08	-5.15E-08	5.38E-08	3.00E-08	-2.38E-08	1.16E-07	6.49E-08	-5.15E-08
942	490186.7	3861035.12	5.39E-07	2.95E-07	-2.44E-07	1.18E-07	6.60E-08	-5.24E-08	5.47E-08	3.05E-08	-2.42E-08	1.18E-07	6.60E-08	-5.24E-08
943	490236.7	3861035.12	5.49E-07	3.00E-07	-2.49E-07	1.21E-07	6.72E-08	-5.34E-08	5.57E-08	3.10E-08	-2.47E-08	1.21E-07	6.72E-08	-5.34E-08

944	490286.7	3861035.12	5.58E-07	3.05E-07	-2.53E-07	1.23E-07	6.83E-08	-5.43E-08	5.66E-08	3.16E-08	-2.51E-08	1.23E-07	6.83E-08	-5.43E-08
945	490336.7	3861035.12	5.68E-07	3.10E-07	-2.57E-07	1.25E-07	6.95E-08	-5.52E-08	5.76E-08	3.21E-08	-2.55E-08	1.25E-07	6.95E-08	-5.52E-08
946	490386.7	3861035.12	5.79E-07	3.17E-07	-2.63E-07	1.27E-07	7.09E-08	-5.64E-08	5.88E-08	3.28E-08	-2.61E-08	1.27E-07	7.09E-08	-5.64E-08
947	490436.7	3861035.12	5.90E-07	3.23E-07	-2.68E-07	1.30E-07	7.22E-08	-5.74E-08	5.99E-08	3.34E-08	-2.65E-08	1.30E-07	7.22E-08	-5.74E-08
948	490486.7	3861035.12	6.02E-07	3.29E-07	-2.73E-07	1.32E-07	7.36E-08	-5.86E-08	6.11E-08	3.40E-08	-2.71E-08	1.32E-07	7.36E-08	-5.86E-08
949	490536.7	3861035.12	6.14E-07	3.35E-07	-2.79E-07	1.35E-07	7.51E-08	-5.99E-08	6.24E-08	3.47E-08	-2.77E-08	1.35E-07	7.51E-08	-5.99E-08
950	490586.7	3861035.12	6.27E-07	3.42E-07	-2.85E-07	1.38E-07	7.67E-08	-6.11E-08	6.37E-08	3.54E-08	-2.82E-08	1.38E-07	7.67E-08	-6.11E-08
951	490636.7	3861035.12	6.40E-07	3.50E-07	-2.91E-07	1.41E-07	7.83E-08	-6.24E-08	6.50E-08	3.62E-08	-2.89E-08	1.41E-07	7.83E-08	-6.24E-08
952	490686.7	3861035.12	6.54E-07	3.57E-07	-2.97E-07	1.44E-07	8.00E-08	-6.37E-08	6.64E-08	3.70E-08	-2.94E-08	1.44E-07	8.00E-08	-6.37E-08
953	490736.7	3861035.12	6.69E-07	3.65E-07	-3.04E-07	1.47E-07	8.18E-08	-6.52E-08	6.80E-08	3.78E-08	-3.01E-08	1.47E-07	8.18E-08	-6.52E-08
954	490786.7	3861035.12	6.85E-07	3.74E-07	-3.10E-07	1.50E-07	8.38E-08	-6.66E-08	6.95E-08	3.87E-08	-3.08E-08	1.50E-07	8.38E-08	-6.66E-08
955	490836.7	3861035.12	7.02E-07	3.84E-07	-3.18E-07	1.54E-07	8.59E-08	-6.83E-08	7.12E-08	3.97E-08	-3.15E-08	1.54E-07	8.59E-08	-6.83E-08
956	490086.7	3861085.12	5.06E-07	2.77E-07	-2.29E-07	1.11E-07	6.21E-08	-4.92E-08	5.14E-08	2.87E-08	-2.27E-08	1.11E-07	6.21E-08	-4.92E-08
957	490136.7	3861085.12	5.15E-07	2.82E-07	-2.33E-07	1.13E-07	6.31E-08	-5.00E-08	5.22E-08	2.91E-08	-2.31E-08	1.13E-07	6.31E-08	-5.00E-08
958	490186.7	3861085.12	5.24E-07	2.87E-07	-2.37E-07	1.15E-07	6.42E-08	-5.09E-08	5.32E-08	2.97E-08	-2.35E-08	1.15E-07	6.42E-08	-5.09E-08
959	490236.7	3861085.12	5.32E-07	2.91E-07	-2.41E-07	1.17E-07	6.52E-08	-5.16E-08	5.40E-08	3.01E-08	-2.39E-08	1.17E-07	6.52E-08	-5.16E-08
960	490286.7	3861085.12	5.41E-07	2.96E-07	-2.45E-07	1.19E-07	6.62E-08	-5.26E-08	5.49E-08	3.06E-08	-2.43E-08	1.19E-07	6.62E-08	-5.26E-08
961	490336.7	3861085.12	5.50E-07	3.01E-07	-2.49E-07	1.21E-07	6.73E-08	-5.34E-08	5.58E-08	3.11E-08	-2.47E-08	1.21E-07	6.73E-08	-5.34E-08
962	490386.7	3861085.12	5.60E-07	3.06E-07	-2.54E-07	1.23E-07	6.86E-08	-5.45E-08	5.69E-08	3.17E-08	-2.52E-08	1.23E-07	6.86E-08	-5.45E-08
963	490436.7	3861085.12	5.70E-07	3.12E-07	-2.58E-07	1.25E-07	6.98E-08	-5.55E-08	5.79E-08	3.23E-08	-2.56E-08	1.25E-07	6.98E-08	-5.55E-08
964	490486.7	3861085.12	5.82E-07	3.18E-07	-2.64E-07	1.28E-07	7.12E-08	-5.67E-08	5.91E-08	3.29E-08	-2.62E-08	1.28E-07	7.12E-08	-5.67E-08
965	490536.7	3861085.12	5.93E-07	3.24E-07	-2.69E-07	1.30E-07	7.26E-08	-5.77E-08	6.02E-08	3.35E-08	-2.67E-08	1.30E-07	7.26E-08	-5.77E-08
966	490586.7	3861085.12	6.04E-07	3.30E-07	-2.74E-07	1.33E-07	7.39E-08	-5.89E-08	6.14E-08	3.42E-08	-2.72E-08	1.33E-07	7.39E-08	-5.89E-08
967	490636.7	3861085.12	6.17E-07	3.37E-07	-2.80E-07	1.36E-07	7.54E-08	-6.01E-08	6.27E-08	3.49E-08	-2.78E-08	1.36E-07	7.54E-08	-6.01E-08
968	490686.7	3861085.12	6.30E-07	3.44E-07	-2.86E-07	1.38E-07	7.70E-08	-6.13E-08	6.39E-08	3.56E-08	-2.84E-08	1.38E-07	7.70E-08	-6.13E-08
969	490736.7	3861085.12	6.43E-07	3.51E-07	-2.92E-07	1.41E-07	7.87E-08	-6.26E-08	6.53E-08	3.64E-08	-2.90E-08	1.41E-07	7.87E-08	-6.26E-08
970	490786.7	3861085.12	6.58E-07	3.59E-07	-2.98E-07	1.44E-07	8.04E-08	-6.40E-08	6.68E-08	3.72E-08	-2.96E-08	1.44E-07	8.04E-08	-6.40E-08
971	490836.7	3861085.12	6.73E-07	3.68E-07	-3.05E-07	1.48E-07	8.23E-08	-6.55E-08	6.83E-08	3.81E-08	-3.03E-08	1.48E-07	8.23E-08	-6.55E-08
972	490086.7	3861135.12	4.92E-07	2.69E-07	-2.23E-07	1.08E-07	6.03E-08	-4.78E-08	5.00E-08	2.79E-08	-2.21E-08	1.08E-07	6.03E-08	-4.78E-08
973	490136.7	3861135.12	4.99E-07	2.74E-07	-2.26E-07	1.10E-07	6.13E-08	-4.84E-08	5.07E-08	2.83E-08	-2.24E-08	1.10E-07	6.13E-08	-4.84E-08
974	490186.7	3861135.12	5.08E-07	2.78E-07	-2.30E-07	1.12E-07	6.23E-08	-4.94E-08	5.16E-08	2.88E-08	-2.28E-08	1.12E-07	6.23E-08	-4.94E-08
975	490236.7	3861135.12	5.16E-07	2.83E-07	-2.34E-07	1.13E-07	6.33E-08	-5.02E-08	5.24E-08	2.92E-08	-2.32E-08	1.13E-07	6.33E-08	-5.02E-08
976	490286.7	3861135.12	5.24E-07	2.87E-07	-2.37E-07	1.15E-07	6.43E-08	-5.09E-08	5.33E-08	2.97E-08	-2.35E-08	1.15E-07	6.43E-08	-5.09E-08
977	490336.7	3861135.12	5.33E-07	2.92E-07	-2.41E-07	1.17E-07	6.54E-08	-5.18E-08	5.42E-08	3.02E-08	-2.39E-08	1.17E-07	6.54E-08	-5.18E-08
978	490386.7	3861135.12	5.43E-07	2.97E-07	-2.46E-07	1.19E-07	6.65E-08	-5.29E-08	5.52E-08	3.07E-08	-2.44E-08	1.19E-07	6.65E-08	-5.29E-08
979	490436.7	3861135.12	5.52E-07	3.02E-07	-2.50E-07	1.21E-07	6.77E-08	-5.37E-08	5.61E-08	3.13E-08	-2.48E-08	1.21E-07	6.77E-08	-5.37E-08
980	490486.7	3861135.12	5.63E-07	3.08E-07	-2.55E-07	1.24E-07	6.89E-08	-5.48E-08	5.72E-08	3.18E-08	-2.53E-08	1.24E-07	6.89E-08	-5.48E-08
981	490536.7	3861135.12	5.73E-07	3.13E-07	-2.60E-07	1.26E-07	7.02E-08	-5.57E-08	5.82E-08	3.24E-08	-2.58E-08	1.26E-07	7.02E-08	-5.57E-08
982	490586.7	3861135.12	5.85E-07	3.19E-07	-2.65E-07	1.28E-07	7.15E-08	-5.70E-08	5.94E-08	3.30E-08	-2.63E-08	1.28E-07	7.15E-08	-5.70E-08
983	490636.7	3861135.12	5.95E-07	3.25E-07	-2.70E-07	1.31E-07	7.28E-08	-5.80E-08	6.05E-08	3.37E-08	-2.68E-08	1.31E-07	7.28E-08	-5.80E-08
984	490686.7	3861135.12	6.07E-07	3.32E-07	-2.75E-07	1.33E-07	7.43E-08	-5.91E-08	6.17E-08	3.43E-08	-2.73E-08	1.33E-07	7.43E-08	-5.91E-08
985	490736.7	3861135.12	6.20E-07	3.39E-07	-2.81E-07	1.36E-07	7.58E-08	-6.03E-08	6.29E-08	3.50E-08	-2.79E-08	1.36E-07	7.58E-08	-6.03E-08
986	490786.7	3861135.12	6.33E-07	3.46E-07	-2.87E-07	1.39E-07	7.74E-08	-6.17E-08	6.43E-08	3.58E-08	-2.85E-08	1.39E-07	7.74E-08	-6.17E-08
987	490836.7	3861135.12	6.48E-07	3.54E-07	-2.94E-07	1.42E-07	7.92E-08	-6.31E-08	6.58E-08	3.66E-08	-2.92E-08	1.42E-07	7.92E-08	-6.31E-08
988	490086.7	3861185.12	4.79E-07	2.62E-07	-2.16E-07	1.05E-07	5.87E-08	-4.64E-08	4.86E-08	2.71E-08	-2.15E-08	1.05E-07	5.87E-08	-4.64E-08
989	490136.7	3861185.12	4.85E-07	2.66E-07	-2.19E-07	1.07E-07	5.95E-08	-4.70E-08	4.92E-08	2.75E-08	-2.17E-08	1.07E-07	5.95E-08	-4.70E-08
990	490186.7	3861185.12	4.93E-07	2.70E-07	-2.23E-07	1.08E-07	6.04E-08	-4.79E-08	5.01E-08	2.79E-08	-2.21E-08	1.08E-07	6.04E-08	-4.79E-08
991	490236.7	3861185.12	5.01E-07	2.74E-07	-2.27E-07	1.10E-07	6.14E-08	-4.86E-08	5.09E-08	2.84E-08	-2.25E-08	1.10E-07	6.14E-08	-4.86E-08
992	490286.7	3861185.12	5.09E-07	2.79E-07	-2.30E-07	1.12E-07	6.24E-08	-4.94E-08	5.17E-08	2.89E-08	-2.28E-08	1.12E-07	6.24E-08	-4.94E-08
993	490336.7	3861185.12	5.17E-07	2.83E-07	-2.34E-07	1.14E-07	6.34E-08	-5.03E-08	5.25E-08	2.93E-08	-2.32E-08	1.14E-07	6.34E-08	-5.03E-08
994	490386.7	3861185.12	5.26E-07	2.88E-07	-2.38E-07	1.16E-07	6.45E-08	-5.11E-08	5.34E-08	2.98E-08	-2.36E-08	1.16E-07	6.45E-08	-5.11E-08
995	490436.7	3861185.12	5.35E-07	2.93E-07	-2.42E-07	1.18E-07	6.56E-08	-5.20E-08	5.43E-08	3.03E-08	-2.40E-08	1.18E-07	6.56E-08	-5.20E-08
996	490486.7	3861185.12	5.45E-07	2.98E-07	-2.47E-07	1.20E-07	6.67E-08	-5.30E-08	5.54E-08	3.08E-08	-2.45E-08	1.20E-07	6.67E-08	-5.30E-08
997	490536.7	3861185.12	5.55E-07	3.03E-07	-2.52E-07	1.22E-07	6.79E-08	-5.40E-08	5.64E-08	3.14E-08	-2.50E-08	1.22E-07	6.79E-08	-5.40E-08
998	490586.7	3861185.12	5.66E-07	3.09E-07	-2.57E-07	1.24E-07	6.92E-08	-5.51E-08	5.75E-08	3.20E-08	-2.55E-08	1.24E-07	6.92E-08	-5.51E-08
999	490636.7	3861185.12	5.76E-07	3.15E-07	-2.61E-07	1.26E-07	7.04E-08	-5.60E-08	5.85E-08	3.26E-08	-2.59E-08	1.26E-07	7.04E-08	-5.60E-08
1000	490686.7	3861185.12	5.86E-07	3.21E-07	-2.66E-07	1.29E-07	7.18E-08	-5.71E-08	5.96E-08	3.32E-08	-2.64E-08	1.29E-07	7.18E-08	-5.71E-08
1001	490736.7	3861185.12	5.99E-07	3.27E-07	-2.72E-07	1.32E-07	7.32E-08	-5.84E-08	6.08E-08	3.38E-08	-2.70E-08	1.32E-07	7.32E-08	-5.84E-08
1002	490786.7	3861185.12	6.11E-07	3.34E-07	-2.77E-07	1.34E-07	7.47E-08	-5.95E-08	6.20E-08	3.45E-08	-2.75E-08	1.34E-07	7.47E-08	-5.95E-08
1003	490836.7	3861185.12	6.24E-07	3.41E-07	-2.83E-07	1.37E-07	7.63E-08	-6.08E-08	6.34E-08	3.53E-08	-2.81E-08	1.37E-07	7.63E-08	-6.08E-08
1004	490086.7	3861235.12	4.65E-07	2.55E-07	-2.10E-07	1.02E-07	5.71E-08	-4.51E-08	4.72E-08	2.64E-08	-2.08E-08	1.02E-07	5.71E-08	-4.51E-08
1005	490136.7	3861235.12	4.72E-07	2.59E-07	-2.13E-07	1.04E-07	5.79E-08	-4.58E-08	4.80E-08	2.68E-08	-2.12E-08	1.04E-07	5.79E-08	-4.58E-08
1006	490186.7	3861235.12	4.79E-07	2.63E-07	-2.17E-07	1.05E-07	5.88E-08	-4.65E-08	4.87E-08	2.72E-08	-2.15E-08	1.05E-07	5.88E-08	-4.65E-08
1007	490236.7	3861235.12	4.87E-07	2.67E-07	-2.20E-07	1.07E-07	5.97E-08	-4.72E-08	4.94E-08	2.76E-08	-2.18E-08	1.07E-07	5.97E-08	-4.72E-08
1008	490386.7	3861235.12	5.10E-07	2.79E-07	-2.31E-07	1.12E-07	6.26E-08	-4.95E-08	5.18E-08	2.89E-08	-2.29E-08	1.12E-07	6.26E-08	-4.95E-08
1009	490436.7	3861235.12	5.19E-07	2.84E-07	-2.35E-07	1.14E-07	6.36E-08	-5.04E-08	5.27E-08	2.94E-08	-2.33E-08	1.14E-07	6.36E-08	-5.04E-08
1010	490486.7	3861235.12	5.28E-07	2.89E-07	-2.39E-07	1.16E-07	6.47E-08	-5.13E-08	5.36E-08	2.99E-08	-2.37E-08	1.16E-07	6.47E-08	-5.13E-08
1011	490536.7	3861235.12	5.38E-07	2.94E-07	-2.44E-07	1.18E-07	6.59E-08	-5.23E-08	5.46E-08	3.05E-08	-2.42E-08	1.18E-07	6.59E-08	-5.23E-08
1012	490586.7	3861235.12	5.48E-07	2.99E-07	-2.48E-07	1.20E-07	6.71E-08	-5.33E-08	5.56E-08	3.10E-08	-2.46E-08	1.20E-07	6.71E-08	-5.33E-08
1013	490636.7	3861235.12	5.57E-07	3.04E-07	-2.52E-07	1.22E-07	6.82E-08	-5.42E-08	5.65E-08	3.15E-08	-2.50E-08	1.22E-07	6.82E-08	-5.42E-08
1014	490686.7	3861235.12	5.68E-07	3.10E-07	-2.57E-07	1.25E-07	6.94E-08	-5.53E-08	5.76E-08	3.21E-08	-2.55E-08	1.25E-07	6.94E-08	-5.53E-08
1015	490736.7	3861235.12	5.78E-07	3.16E-07	-2.62E-07	1.27E-07	7.08E-08	-5.63E-08	5.87E-08	3.27E-08	-2.60E-08	1.27E-07	7.08E-08	-5.63E-08
1016	490786.7	3861235.12	5.90E-07	3.23E-07	-2.68E-07	1.30E-07	7.22E-08	-5.74E-08	5.99E-08	3.34E-08	-2.65E-08	1.30E-07	7.22E-08	-5.74E-08
1017	490836.7	3861235.12	6.03E-07	3.29E-07	-2.73E-07	1.32E-07	7.37E-08	-5.87E-08	6.12E-08	3.41E-08	-2.71E-08	1.32E-07	7.37E-08	-5.87E-08
1018	490086.7	3861285.12	4.53E-07	2.49E-07	-2.05E-07	9.96E-08	5.57E-08	-4.39E-08	4.60E-08	2.57E-08	-2.03E-08	9.96E-08	5.57E-08	-4.39E-08
1019	490136.7	3861285.12	4.60E-07	2.52E-07	-2.07E-07	1.01E-07	5.65E-08	-4.45E-08	4.67E-08	2.61E-08	-2.06E-08	1.01E-07	5.65E-08	-4.45E-08
1020	490186.7	3861285.12	4.66E-07	2.56E-07	-2.10E-07	1.02E-07	5.72E-08	-4.52E-08	4.73E-08	2.64E-08	-2.09E-08	1.02E-07	5.72E-08	-4.52E-08
1021	490236.7	3861285.12	4.73E-07	2.60E-07	-2.14E-07	1.04E-07	5.81E-08	-4.58E-08	4.80E-08	2.69E-08	-2.12E-08	1.04E-07	5.81E-08	-4.58E-08
1022	490386.7	3861285.12	4.96E-07	2.71E-07	-2.24E-07	1.09E-07	6.08E-08	-4.81E-08	5.03E-08	2.81E-08	-2.22E-08	1.09E-07	6.08E-08	-4.81E-08
1023	490436.7	3861285.12	5.04E-07	2.76E-07	-2.28E-07	1.11E-07	6.18E-08	-4.89E-08	5.12E-08	2.86E-08	-2.26E-08	1.11E-07	6.18E-08	-4.89E-08
1024	490486.7	3861285.12	5.12E-07	2.80E-07	-2.31E-07	1.12E-07	6.28E-08	-4.97E-08	5.20E-08	2.90E-08	-2.30E-08	1.12E-07	6.28E-08	-4.97E-08
1025	490536.7	3861285.12	5.21E-07	2.85E-07	-2.36E-07	1.14E-07	6.38E-08	-5.06E-08	5.29E-08	2.95E-08	-2.34E-08	1.14E-07	6.38E-08	-5.06E-08
1026	490586.7	3861285.12	5.31E-07	2.90E-07	-2.40E-07	1.17E-07	6.50E-08	-5.16E-08	5.39E-08	3.00E-08	-2.38E-08	1.17E-07	6.50E-08	-5.16E-08
1027	490636.7	3861285.12	5.40E-07	2.95E-07	-2.45E-07	1.19E-07	6.61E-08	-5.25E-08	5.48E-08	3.05E-08	-2.43E-08	1.19E-07	6.61E-08	-5.25E-08
1028	490686.7	3861285.12	5.49E-07	3.00E-07	-2.48E-07	1.21E-07	6.72E-08	-5.33E-08	5.57E-08	3.11E-08	-2.46E-08	1.21E-07	6.72E-08	-5.33E-08
1029	490736.7	3861285.12	5.60E-07	3.06E-07	-2.54E-07	1.23E-07	6.86E-08	-5.46E-08	5.69E-08	3.17E-08	-2.52E-08	1.23E-07	6.86E-08	-5.46E-08
1030	490786.7	3861285.12	5.70E-07	3.12E-07	-2.59E-07	1.25E-07	6.98E-08	-5.55E-08	5.79E-08	3.22E-08	-2.57E-08	1.25E-07	6.98E-08	-5.55E-08
1031	490836.7	3861285.12	5.81E-07	3.18E-07	-2.64E-07	1.28E-07	7.11E-08	-5.66E-08	5.90E-08	3.29E-08	-2.61E-08	1.28E-07	7.11E-08	-5.66E-08
1032	490061.2	3859716.13	4.91E-06	2.70E-06	-2.21E-06	1.08E-06	6.04E-07	-4.75E-07	4.99E-07	2.79E-07	-2.20E-07	1.08E-06	6.04E-07	-4.75E-07
1033	490111.2	3859716.13	5.95E-06	3.27E-06	-2.68E-06	1.31E-06	7.33E-07	-5.75E-07	6.04E-07	3.39E-07	-2.66E-07	1.31E-06	7.33E-07	-5.75E-07
1034	490161.2	3859716.13	7.46E-06	4.10E-06	-3.36E-06	1.64E-06	9.18E-07	-7.20E-07	7.57E-07	4.24E-07	-3.33E-07	1.64E-06	9.18E-07	-7.20E-07
1035	490211.2	3859716.13	9.74E-06	5.35E-06	-4.39E-06	2.14E-06	1.20E-06	-9.41E-07	9.89E-07	5.54E-07	-4.35E-07	2.14E-06	1.20E-06	-9.41E-07
1036	490061.2	3859766.13	3.46E-06	1.89E-06	-1.56E-06	7.59E-07	4.24E-07	-3.35E-07	3.51E-07	1.96E-07	-1.55E-07	7.59E-07	4.24E-07	-3.35E-07
1037	490111.2	3859766.13	3.94E-06	2.16E-06	-1.78E-06	8.65E-07	4.84E-07	-3.82E-07	4.00E-07	2.23E-07	-1.76E-07	8.65E-07	4.84E-07	-3.82E-07
1038	490161.2	3859766.13	4.56E-06	2.50E-06	-2.06E-06	1.00E-06	5.60E-07	-4.41E-07	4.63E-07	2.59E-07	-2.04E-07	1.00E-06	5.60E-07	-4.41E-07
1039	490211.2	3859766.13	5.40E-06	2.96E-06	-2.44E-06	1.19E-06	6.63E-07	-5.23E-07	5.48E-07	3.07E-07	-2.42E-07	1.19E-06	6.63E-07	-5.23E-07
1040	490061.2	3859816.13	2.67E-06	1.46E-06	-1.21E-06	5.87E-07	3.27E-07	-2.60E-07	2.71E-07	1.51E-07	-1.20E-07	5.87E-07	3.27E-07	-2.60E-07
1041	490111.2	3859816.13	2.94E-06	1.61E-06	-1.33E-06	6.47E-07	3.61E-07	-2.86E-07	2.99E-07	1.67E-07	-1.32E-07	6.47E-07	3.61E-07	-2.86E-07
1042	490161.2	3859816.13	3.28E-06	1.79E-06	-1.48E-06	7.20E-07	4.02E-07	-3.18E-07	3.33E-07	1.86E-07	-1.47E-07	7.20E-07	4.02E-07	-3.18E-07
1043	490211.2	3859816.13	3.69E-06	2.02E-06	-1.67E-06	8.10E-07	4.52E-07	-3.58E-07	3.74E-07	2.09E-07	-1.65E-07	8.10E-07	4.52E-07	-3.58E-07
1044	490061.2	3859866.13	2.19E-06	1.19E-06	-9.91E-07	4.80E-07	2.68E-07	-2.13E-07	2.22E-07	1.24E-07	-9.83E-08	4.80E-07	2.68E-07	-2.13E-07
1045	490111.2	3859866.13	2.36E-06	1.29E-06	-1.07E-06	5.19E-07	2.89E-07	-2.30E-07	2.40E-07	1.34E-07	-1.06E-07	5.19E-07	2.89E-07	-2.30E-07
1046	490161.2	3859866.13	2.57E-06	1.41E-06	-1.16E-06	5.65E-07	3.15E-07	-2.50E-07	2.61E-07	1.45E-07	-1.16E-07	5.65E-07	3.15E-07	-2.50E-07
1047	490211.2	3859866.13	2.81E-06	1.54E-06	-1.27E-06	6.18E-07	3.45E-07	-2.74E-07	2.86E-07	1.59E-07	-1.26E-07	6.18E-07	3.45E-07	-2.74E-07
1048	490061.2	3859916.13	1.86E-06	1.01E-06	-8.42E-07	4.08E-07	2.27E-07	-1.81E-07	1.89E-07	1.05E-07	-8.36E-08	4.08E-07	2.27E-07	-1.81E-07

1049	490111.2	3859916.13	1.98E-06	1.08E-06	-8.99E-07	4.35E-07	2.42E-07	-1.93E-07	2.01E-07	1.12E-07	-8.92E-08	4.35E-07	2.42E-07	-1.93E-07
1050	490161.2	3859916.13	2.12E-06	1.16E-06	-9.62E-07	4.66E-07	2.60E-07	-2.06E-07	2.15E-07	1.20E-07	-9.54E-08	4.66E-07	2.60E-07	-2.06E-07
1051	490211.2	3859916.13	2.28E-06	1.25E-06	-1.03E-06	5.01E-07	2.79E-07	-2.22E-07	2.32E-07	1.29E-07	-1.03E-07	5.01E-07	2.79E-07	-2.22E-07
1052	490229.3	3859815.26	3.89E-06	2.13E-06	-1.76E-06	8.55E-07	4.77E-07	-3.78E-07	3.95E-07	2.21E-07	-1.75E-07	8.55E-07	4.77E-07	-3.78E-07
1053	490279.3	3859815.26	4.48E-06	2.45E-06	-2.02E-06	9.83E-07	5.49E-07	-4.34E-07	4.55E-07	2.54E-07	-2.01E-07	9.83E-07	5.49E-07	-4.34E-07
1054	490329.3	3859815.26	5.25E-06	2.88E-06	-2.38E-06	1.15E-06	6.44E-07	-5.10E-07	5.33E-07	2.98E-07	-2.36E-07	1.15E-06	6.44E-07	-5.10E-07
1055	490379.3	3859815.26	6.39E-06	3.49E-06	-2.90E-06	1.40E-06	7.82E-07	-6.22E-07	6.49E-07	3.61E-07	-2.87E-07	1.40E-06	7.82E-07	-6.22E-07
1056	490429.3	3859815.26	8.14E-06	4.44E-06	-3.70E-06	1.79E-06	9.94E-07	-7.95E-07	8.27E-07	4.60E-07	-3.67E-07	1.79E-06	9.94E-07	-7.95E-07
1057	490229.3	3859865.26	2.93E-06	1.60E-06	-1.33E-06	6.43E-07	3.59E-07	-2.85E-07	2.97E-07	1.66E-07	-1.32E-07	6.43E-07	3.59E-07	-2.85E-07
1058	490279.3	3859865.26	3.24E-06	1.77E-06	-1.47E-06	7.12E-07	3.97E-07	-3.15E-07	3.29E-07	1.84E-07	-1.46E-07	7.12E-07	3.97E-07	-3.15E-07
1059	490329.3	3859865.26	3.63E-06	1.99E-06	-1.64E-06	7.98E-07	4.45E-07	-3.53E-07	3.69E-07	2.06E-07	-1.63E-07	7.98E-07	4.45E-07	-3.53E-07
1060	490379.3	3859865.26	4.14E-06	2.26E-06	-1.88E-06	9.10E-07	5.07E-07	-4.03E-07	4.20E-07	2.34E-07	-1.86E-07	9.10E-07	5.07E-07	-4.03E-07
1061	490429.3	3859865.26	4.82E-06	2.63E-06	-2.18E-06	1.06E-06	5.89E-07	-4.69E-07	4.89E-07	2.72E-07	-2.17E-07	1.06E-06	5.89E-07	-4.69E-07
1062	490229.3	3859915.26	2.35E-06	1.29E-06	-1.07E-06	5.17E-07	2.88E-07	-2.29E-07	2.39E-07	1.33E-07	-1.06E-07	5.17E-07	2.88E-07	-2.29E-07
1063	490279.3	3859915.26	2.55E-06	1.39E-06	-1.15E-06	5.60E-07	3.12E-07	-2.48E-07	2.59E-07	1.44E-07	-1.15E-07	5.60E-07	3.12E-07	-2.48E-07
1064	490329.3	3859915.26	2.78E-06	1.52E-06	-1.26E-06	6.11E-07	3.40E-07	-2.71E-07	2.82E-07	1.57E-07	-1.25E-07	6.11E-07	3.40E-07	-2.71E-07
1065	490379.3	3859915.26	3.06E-06	1.68E-06	-1.39E-06	6.73E-07	3.75E-07	-2.98E-07	3.11E-07	1.73E-07	-1.38E-07	6.73E-07	3.75E-07	-2.98E-07
1066	490429.3	3859915.26	3.41E-06	1.86E-06	-1.55E-06	7.49E-07	4.17E-07	-3.32E-07	3.46E-07	1.93E-07	-1.53E-07	7.49E-07	4.17E-07	-3.32E-07
1067	490451.4	3859872.59	4.87E-06	2.66E-06	-2.21E-06	1.07E-06	5.95E-07	-4.74E-07	4.94E-07	2.75E-07	-2.19E-07	1.07E-06	5.95E-07	-4.74E-07
1068	490501.4	3859872.59	5.85E-06	3.19E-06	-2.66E-06	1.29E-06	7.14E-07	-5.71E-07	5.94E-07	3.30E-07	-2.64E-07	1.29E-06	7.14E-07	-5.71E-07
1069	490551.4	3859872.59	7.37E-06	4.01E-06	-3.37E-06	1.62E-06	8.97E-07	-7.23E-07	7.49E-07	4.15E-07	-3.34E-07	1.62E-06	8.97E-07	-7.23E-07
1070	490601.4	3859872.59	9.80E-06	5.29E-06	-4.50E-06	2.15E-06	1.19E-06	-9.67E-07	9.95E-07	5.48E-07	-4.47E-07	2.15E-06	1.19E-06	-9.67E-07
1071	490451.4	3859922.59	3.44E-06	1.88E-06	-1.56E-06	7.56E-07	4.21E-07	-3.35E-07	3.49E-07	1.94E-07	-1.55E-07	7.56E-07	4.21E-07	-3.35E-07
1072	490501.4	3859922.59	3.90E-06	2.13E-06	-1.77E-06	8.56E-07	4.76E-07	-3.80E-07	3.96E-07	2.20E-07	-1.75E-07	8.56E-07	4.76E-07	-3.80E-07
1073	490551.4	3859922.59	4.52E-06	2.47E-06	-2.06E-06	9.94E-07	5.52E-07	-4.41E-07	4.59E-07	2.55E-07	-2.04E-07	9.94E-07	5.52E-07	-4.41E-07
1074	490601.4	3859922.59	5.40E-06	2.94E-06	-2.46E-06	1.19E-06	6.58E-07	-5.28E-07	5.48E-07	3.04E-07	-2.44E-07	1.19E-06	6.58E-07	-5.28E-07
1075	482129.7	3852241.07	6.42E-06	3.55E-06	-2.87E-06	1.41E-06	7.96E-07	-6.16E-07	6.52E-07	3.68E-07	-2.84E-07	1.41E-06	7.96E-07	-6.16E-07
1076	482029.7	3852291.07	1.20E-05	6.62E-06	-5.36E-06	2.63E-06	1.48E-06	-1.15E-06	1.22E-06	6.86E-07	-5.32E-07	2.63E-06	1.48E-06	-1.15E-06
1077	482079.7	3852291.07	9.30E-06	5.14E-06	-4.16E-06	2.04E-06	1.15E-06	-8.92E-07	9.44E-07	5.32E-07	-4.12E-07	2.04E-06	1.15E-06	-8.92E-07
1078	482129.7	3852291.07	7.56E-06	4.18E-06	-3.38E-06	1.66E-06	9.36E-07	-7.25E-07	7.67E-07	4.33E-07	-3.35E-07	1.66E-06	9.36E-07	-7.25E-07
1079	482179.7	3852291.07	6.29E-06	3.48E-06	-2.81E-06	1.38E-06	7.79E-07	-6.03E-07	6.38E-07	3.60E-07	-2.79E-07	1.38E-06	7.79E-07	-6.03E-07
1080	482229.7	3852291.07	5.32E-06	2.95E-06	-2.38E-06	1.17E-06	6.60E-07	-5.10E-07	5.40E-07	3.05E-07	-2.35E-07	1.17E-06	6.60E-07	-5.10E-07
1081	482029.7	3852341.07	1.65E-05	9.13E-06	-7.41E-06	3.63E-06	2.04E-06	-1.59E-06	1.68E-06	9.45E-07	-7.35E-07	3.63E-06	2.04E-06	-1.59E-06
1082	482079.7	3852341.07	1.19E-05	6.57E-06	-5.32E-06	2.61E-06	1.47E-06	-1.14E-06	1.21E-06	6.80E-07	-5.27E-07	2.61E-06	1.47E-06	-1.14E-06
1083	482129.7	3852341.07	9.22E-06	5.10E-06	-4.12E-06	2.03E-06	1.14E-06	-8.85E-07	9.37E-07	5.28E-07	-4.09E-07	2.03E-06	1.14E-06	-8.85E-07
1084	482179.7	3852341.07	7.47E-06	4.13E-06	-3.34E-06	1.64E-06	9.25E-07	-7.16E-07	7.58E-07	4.28E-07	-3.31E-07	1.64E-06	9.25E-07	-7.16E-07
1085	482259.1	3852400.14	7.05E-06	3.90E-06	-3.15E-06	1.55E-06	8.73E-07	-6.76E-07	7.16E-07	4.03E-07	-3.12E-07	1.55E-06	8.73E-07	-6.76E-07
1086	482309.1	3852400.14	5.82E-06	3.22E-06	-2.60E-06	1.28E-06	7.21E-07	-5.58E-07	5.91E-07	3.33E-07	-2.58E-07	1.28E-06	7.21E-07	-5.58E-07
1087	482209.1	3852450.14	1.06E-05	5.83E-06	-4.72E-06	2.32E-06	1.31E-06	-1.01E-06	1.07E-06	6.04E-07	-4.68E-07	2.32E-06	1.31E-06	-1.01E-06
1088	482259.1	3852450.14	8.42E-06	4.65E-06	-3.76E-06	1.85E-06	1.04E-06	-8.07E-07	8.55E-07	4.82E-07	-3.73E-07	1.85E-06	1.04E-06	-8.07E-07
1089	482309.1	3852450.14	6.87E-06	3.80E-06	-3.07E-06	1.51E-06	8.51E-07	-6.59E-07	6.98E-07	3.93E-07	-3.04E-07	1.51E-06	8.51E-07	-6.59E-07
1090	482209.1	3852500.14	1.39E-05	7.68E-06	-6.22E-06	3.06E-06	1.72E-06	-1.34E-06	1.41E-06	7.95E-07	-6.17E-07	3.06E-06	1.72E-06	-1.34E-06
1091	482259.1	3852500.14	1.05E-05	5.78E-06	-4.68E-06	2.30E-06	1.29E-06	-1.00E-06	1.06E-06	5.98E-07	-4.64E-07	2.30E-06	1.29E-06	-1.00E-06
1092	482309.1	3852500.14	8.28E-06	4.58E-06	-3.70E-06	1.82E-06	1.02E-06	-7.94E-07	8.41E-07	4.74E-07	-3.67E-07	1.82E-06	1.02E-06	-7.94E-07
1093	482283.9	3852513.62	9.86E-06	5.45E-06	-4.41E-06	2.17E-06	1.22E-06	-9.46E-07	1.00E-06	5.64E-07	-4.37E-07	2.17E-06	1.22E-06	-9.46E-07
1094	482333.9	3852513.62	7.91E-06	4.37E-06	-3.54E-06	1.74E-06	9.79E-07	-7.58E-07	8.03E-07	4.53E-07	-3.51E-07	1.74E-06	9.79E-07	-7.58E-07
1095	482283.9	3852563.62	1.28E-05	7.06E-06	-5.72E-06	2.81E-06	1.58E-06	-1.23E-06	1.30E-06	7.31E-07	-5.67E-07	2.81E-06	1.58E-06	-1.23E-06
1096	482333.9	3852563.62	9.81E-06	5.42E-06	-4.39E-06	2.15E-06	1.21E-06	-9.41E-07	9.96E-07	5.61E-07	-4.35E-07	2.15E-06	1.21E-06	-9.41E-07
1097	482383.9	3852563.62	7.92E-06	4.38E-06	-3.54E-06	1.74E-06	9.80E-07	-7.60E-07	8.04E-07	4.53E-07	-3.51E-07	1.74E-06	9.80E-07	-7.60E-07
1098	482283.9	3852613.62	1.77E-05	9.79E-06	-7.95E-06	3.90E-06	2.19E-06	-1.70E-06	1.80E-06	1.01E-06	-7.88E-07	3.90E-06	2.19E-06	-1.70E-06
1099	482333.9	3852613.62	1.27E-05	6.99E-06	-5.66E-06	2.78E-06	1.56E-06	-1.21E-06	1.28E-06	7.23E-07	-5.61E-07	2.78E-06	1.56E-06	-1.21E-06
1100	482383.9	3852613.62	9.75E-06	5.39E-06	-4.36E-06	2.14E-06	1.21E-06	-9.36E-07	9.90E-07	5.58E-07	-4.32E-07	2.14E-06	1.21E-06	-9.36E-07
1101	482602.4	3852600.87	4.42E-06	2.45E-06	-1.98E-06	9.72E-07	5.48E-07	-4.24E-07	4.49E-07	2.53E-07	-1.96E-07	9.72E-07	5.48E-07	-4.24E-07
1102	482652.4	3852600.87	3.95E-06	2.19E-06	-1.76E-06	8.67E-07	4.90E-07	-3.77E-07	4.01E-07	2.27E-07	-1.74E-07	8.67E-07	4.90E-07	-3.77E-07
1103	482702.4	3852600.87	3.45E-06	1.92E-06	-1.53E-06	7.58E-07	4.29E-07	-3.29E-07	3.50E-07	1.98E-07	-1.52E-07	7.58E-07	4.29E-07	-3.29E-07
1104	482552.4	3852650.87	5.83E-06	3.22E-06	-2.61E-06	1.28E-06	7.21E-07	-5.59E-07	5.92E-07	3.33E-07	-2.58E-07	1.28E-06	7.21E-07	-5.59E-07
1105	482602.4	3852650.87	5.02E-06	2.78E-06	-2.24E-06	1.10E-06	6.22E-07	-4.81E-07	5.10E-07	2.88E-07	-2.22E-07	1.10E-06	6.22E-07	-4.81E-07
1106	482652.4	3852650.87	4.44E-06	2.46E-06	-1.98E-06	9.75E-07	5.51E-07	-4.25E-07	4.51E-07	2.55E-07	-1.96E-07	9.75E-07	5.51E-07	-4.25E-07
1107	482702.4	3852650.87	3.97E-06	2.20E-06	-1.77E-06	8.73E-07	4.93E-07	-3.79E-07	4.03E-07	2.28E-07	-1.75E-07	8.73E-07	4.93E-07	-3.79E-07
1108	482552.4	3852700.87	6.86E-06	3.79E-06	-3.07E-06	1.51E-06	8.48E-07	-6.58E-07	6.96E-07	3.92E-07	-3.04E-07	1.51E-06	8.48E-07	-6.58E-07
1109	482602.4	3852700.87	5.86E-06	3.24E-06	-2.62E-06	1.29E-06	7.26E-07	-5.62E-07	5.95E-07	3.35E-07	-2.60E-07	1.29E-06	7.26E-07	-5.62E-07
1110	482652.4	3852700.87	5.18E-06	2.87E-06	-2.31E-06	1.14E-06	6.42E-07	-4.96E-07	5.26E-07	2.97E-07	-2.29E-07	1.14E-06	6.42E-07	-4.96E-07
1111	482702.4	3852700.87	4.51E-06	2.50E-06	-2.01E-06	9.92E-07	5.61E-07	-4.31E-07	4.58E-07	2.59E-07	-1.99E-07	9.92E-07	5.61E-07	-4.31E-07
1112	482452.4	3852750.87	1.38E-05	7.61E-06	-6.17E-06	3.03E-06	1.70E-06	-1.32E-06	1.40E-06	7.88E-07	-6.12E-07	3.03E-06	1.70E-06	-1.32E-06
1113	482521.3	3852749.74	9.39E-06	5.19E-06	-4.20E-06	2.06E-06	1.16E-06	-9.02E-07	9.53E-07	5.37E-07	-4.17E-07	2.06E-06	1.16E-06	-9.02E-07
1114	482571.3	3852749.74	7.63E-06	4.22E-06	-3.42E-06	1.68E-06	9.44E-07	-7.33E-07	7.75E-07	4.36E-07	-3.39E-07	1.68E-06	9.44E-07	-7.33E-07
1115	482521.3	3852799.74	1.21E-05	6.67E-06	-5.41E-06	2.65E-06	1.49E-06	-1.16E-06	1.23E-06	6.90E-07	-5.36E-07	2.65E-06	1.49E-06	-1.16E-06
1116	482571.3	3852799.74	9.35E-06	5.17E-06	-4.19E-06	2.05E-06	1.16E-06	-8.98E-07	9.49E-07	5.35E-07	-4.15E-07	2.05E-06	1.16E-06	-8.98E-07
1117	482621.3	3852799.74	7.59E-06	4.19E-06	-3.39E-06	1.67E-06	9.39E-07	-7.28E-07	7.70E-07	4.34E-07	-3.36E-07	1.67E-06	9.39E-07	-7.28E-07
1118	482571.3	3852849.74	1.19E-05	6.59E-06	-5.34E-06	2.62E-06	1.48E-06	-1.15E-06	1.21E-06	6.82E-07	-5.30E-07	2.62E-06	1.48E-06	-1.15E-06
1119	482621.3	3852849.74	9.19E-06	5.08E-06	-4.11E-06	2.02E-06	1.14E-06	-8.82E-07	9.33E-07	5.25E-07	-4.08E-07	2.02E-06	1.14E-06	-8.82E-07
1120	482577.4	3852901.55	1.57E-05	8.69E-06	-7.06E-06	3.46E-06	1.95E-06	-1.51E-06	1.60E-06	8.99E-07	-7.00E-07	3.46E-06	1.95E-06	-1.51E-06
1121	482627.4	3852901.55	1.13E-05	6.26E-06	-5.07E-06	2.49E-06	1.40E-06	-1.09E-06	1.15E-06	6.47E-07	-5.03E-07	2.49E-06	1.40E-06	-1.09E-06
1122	482630	3852955.85	1.54E-05	8.51E-06	-6.89E-06	3.38E-06	1.91E-06	-1.48E-06	1.56E-06	8.81E-07	-6.83E-07	3.38E-06	1.91E-06	-1.48E-06
1123	482680	3852955.85	1.10E-05	6.09E-06	-4.91E-06	2.42E-06	1.36E-06	-1.05E-06	1.12E-06	6.31E-07	-4.87E-07	2.42E-06	1.36E-06	-1.05E-06
1124	482781.6	3853034.48	8.12E-06	4.52E-06	-3.59E-06	1.78E-06	1.01E-06	-7.70E-07	8.24E-07	4.68E-07	-3.56E-07	1.78E-06	1.01E-06	-7.70E-07
1125	482831.6	3853034.48	6.53E-06	3.64E-06	-2.89E-06	1.44E-06	8.16E-07	-6.20E-07	6.63E-07	3.77E-07	-2.86E-07	1.44E-06	8.16E-07	-6.20E-07
1126	482881.6	3853034.48	5.42E-06	3.02E-06	-2.40E-06	1.19E-06	6.77E-07	-5.14E-07	5.50E-07	3.13E-07	-2.37E-07	1.19E-06	6.77E-07	-5.14E-07
1127	482781.6	3853084.48	9.18E-06	5.11E-06	-4.07E-06	2.02E-06	1.14E-06	-8.72E-07	9.32E-07	5.29E-07	-4.03E-07	2.02E-06	1.14E-06	-8.72E-07
1128	482831.6	3853084.48	7.20E-06	4.01E-06	-3.19E-06	1.58E-06	8.99E-07	-6.83E-07	7.31E-07	4.15E-07	-3.16E-07	1.58E-06	8.99E-07	-6.83E-07
1129	482881.6	3853084.48	5.93E-06	3.31E-06	-2.62E-06	1.30E-06	7.41E-07	-5.62E-07	6.02E-07	3.42E-07	-2.60E-07	1.30E-06	7.41E-07	-5.62E-07
1130	482781.6	3853134.48	1.07E-05	5.95E-06	-4.75E-06	2.35E-06	1.33E-06	-1.02E-06	1.09E-06	6.16E-07	-4.70E-07	2.35E-06	1.33E-06	-1.02E-06
1131	482831.6	3853134.48	8.09E-06	4.51E-06	-3.59E-06	1.78E-06	1.01E-06	-7.69E-07	8.22E-07	4.67E-07	-3.55E-07	1.78E-06	1.01E-06	-7.69E-07
1132	482881.6	3853134.48	6.54E-06	3.65E-06	-2.89E-06	1.44E-06	8.16E-07	-6.21E-07	6.64E-07	3.77E-07	-2.87E-07	1.44E-06	8.16E-07	-6.21E-07
1133	482831.6	3853184.48	9.29E-06	5.17E-06	-4.12E-06	2.04E-06	1.16E-06	-8.83E-07	9.43E-07	5.35E-07	-4.08E-07	2.04E-06	1.16E-06	-8.83E-07
1134	482881.6	3853184.48	7.27E-06	4.05E-06	-3.22E-06	1.60E-06	9.07E-07	-6.90E-07	7.38E-07	4.19E-07	-3.19E-07	1.60E-06	9.07E-07	-6.90E-07
1135	484154.8	3854250.98	1.13E-06	1.14E-06	1.33E-08	2.47E-07	2.55E-07	7.71E-09	1.14E-07	1.18E-07	3.56E-09	2.47E-07	2.55E-07	7.71E-09
1136	484204.8	3854250.98	1.09E-06	1.08E-06	-6.47E-09	2.40E-07	2.43E-07	3.14E-09	1.11E-07	1.12E-07	1.45E-09	2.40E-07	2.43E-07	3.14E-09
1137	484154.8	3854300.98	1.11E-06	1.22E-06	1.01E-07	2.45E-07	2.72E-07	2.72E-08	1.13E-07	1.26E-07	1.26E-08	2.45E-07	2.72E-07	2.72E-08
1138	484204.8	3854300.98	1.09E-06	1.16E-06	7.35E-08	2.39E-07	2.60E-07	2.10E-08	1.10E-07	1.20E-07	9.72E-09	2.39E-07	2.60E-07	2.10E-08
1139	484074.2	3854519.8	1.23E-06	2.66E-06	1.43E-06	2.70E-07	5.96E-07	3.26E-07	1.25E-07	2.76E-07	1.51E-07	2.70E-07	5.96E-07	3.26E-07
1140	484124.2	3854519.8	1.18E-06	2.29E-06	1.10E-06	2.60E-07	5.12E-07	2.52E-07	1.20E-07	2.37E-07	1.16E-07	2.60E-07	5.12E-07	2.52E-07
1141	484074.2	3854569.8	1.26E-06	3.58E-06	2.32E-06	2.77E-07	8.02E-07	5.25E-07	1.28E-07	3.71E-07	2.43E-07	2.77E-07	8.02E-07	5.25E-07
1142	484124.2	3854569.8	1.20E-06	2.89E-06	1.69E-06	2.64E-07	6.48E-07	3.84E-07	1.22E-07	3.00E-07	1.77E-07	2.64E-07	6.48E-07	3.84E-07
1143	485205.1	3855188.89	1.13E-06	2.17E-06	1.03E-06	2.49E-07	4.85E-07	2.36E-07	1.15E-07	2.24E-07	1.09E-07	2.49E-07	4.85E-07	2.36E-07
1144	485255.1	3855188.89	1.09E-06	1.89E-06	7.95E-07	2.40E-07	4.23E-07	1.83E-07	1.11E-07	1.95E-07	8.44E-08	2.40E-07	4.23E-07	1.83E-07
1145	485205.1	3855238.89	1.16E-06	2.46E-06	1.31E-06	2.55E-07	5.52E-07	2.97E-07	1.18E-07	2.55E-07	1.37E-07	2.55E-07	5.52E-07	2.97E-07
1146	485255.1	3855238.89	1.13E-06	2.13E-06	1.00E-06	2.48E-07	4.77E-07	2.29E-07	1.15E-07	2.21E-07	1.06E-07	2.48E-07	4.77E-07	2.29E-07
1147	485205.1	3855288.89	1.23E-06	3.13E-06	1.90E-06	2.69E-07	7.01E-07	4.32E-07	1.24E-07	3.24E-07	1.99E-07	2.69E-07	7.01E-07	4.32E-07
1148	485255.1	3855288.89	1.19E-06	2.56E-06	1.37E-06	2.61E-07	5.74E-07	3.12E-07	1.21E-07	2.65E-07	1.44E-07	2.61E-07	5.74E-07	3.12E-07
1149	485255.1	3855338.89	1.25E-06	3.21E-06	1.95E-06	2.76E-07	7.18E-07	4.42E-07	1.27E-07	3.32E-07	2.04E-07	2.76E-07	7.18E-07	4.42E-07
1150	485305.1	3855338.89	1.21E-06	2.62E-06	1.41E-06	2.66E-07	5.86E-07	3.20E-07	1.23E-07	2.71E-07	1.48E-07	2.66E-07	5.86E-07	3.20E-07
1151	485852.5	3855635.28	1.15E-06	1.52E-06	3.64E-07	2.54E-07	3.40E-07	8.64E-08	1.17E-07	1.57E-07	3.99E-08	2.54E-07	3.40E-07	8.64E-08
1152	485902.5	3855635.28	1.12E-06	1.39E-06	2.73E-07	2.46E-07	3.11E-07	6.58E-08	1.14E-07	1.44E-07	3.04E-08	2.46E-07	3.11E-07	6.58E-08
1153	485852.5	3855685.28	1.19E-06	1.67E-06	4.72E-07	2.62E-07	3.73E-07	1.11E-07	1.21E-07	1.72E-07	5.12E-08	2.62E-07	3.73E-07	1.11E-07

1154	485902.5	3855685.28	1.15E-06	1.51E-06	3.56E-07	2.54E-07	3.38E-07	8.45E-08	1.17E-07	1.56E-07	3.91E-08	2.54E-07	3.38E-07	8.45E-08
1155	485852.5	3855735.28	1.24E-06	1.85E-06	6.15E-07	2.71E-07	4.14E-07	1.43E-07	1.25E-07	1.91E-07	6.61E-08	2.71E-07	4.14E-07	1.43E-07
1156	485902.5	3855735.28	1.20E-06	1.66E-06	4.66E-07	2.63E-07	3.73E-07	1.09E-07	1.22E-07	1.72E-07	5.05E-08	2.63E-07	3.73E-07	1.09E-07
1157	485852.5	3855785.28	1.29E-06	2.10E-06	8.17E-07	2.83E-07	4.71E-07	1.88E-07	1.31E-07	2.18E-07	8.70E-08	2.83E-07	4.71E-07	1.88E-07
1158	485902.5	3855785.28	1.24E-06	1.84E-06	6.06E-07	2.72E-07	4.13E-07	1.41E-07	1.26E-07	1.91E-07	6.52E-08	2.72E-07	4.13E-07	1.41E-07
1159	486809.5	3856465.28	1.23E-06	1.42E-06	1.91E-07	2.69E-07	3.17E-07	4.79E-08	1.24E-07	1.47E-07	2.21E-08	2.69E-07	3.17E-07	4.79E-08
1160	486859.5	3856465.28	1.21E-06	1.33E-06	1.23E-07	2.65E-07	2.98E-07	3.26E-08	1.22E-07	1.38E-07	1.51E-08	2.65E-07	2.98E-07	3.26E-08
1161	486909.5	3856465.28	1.19E-06	1.25E-06	6.76E-08	2.60E-07	2.81E-07	2.01E-08	1.20E-07	1.30E-07	9.30E-09	2.60E-07	2.81E-07	2.01E-08
1162	486809.5	3856515.28	1.27E-06	1.53E-06	2.69E-07	2.78E-07	3.44E-07	6.55E-08	1.29E-07	1.59E-07	3.03E-08	2.78E-07	3.44E-07	6.55E-08
1163	486859.5	3856515.28	1.25E-06	1.43E-06	1.82E-07	2.74E-07	3.20E-07	4.60E-08	1.27E-07	1.48E-07	2.13E-08	2.74E-07	3.20E-07	4.60E-08
1164	486909.5	3856515.28	1.23E-06	1.34E-06	1.13E-07	2.70E-07	3.00E-07	3.05E-08	1.25E-07	1.39E-07	1.41E-08	2.70E-07	3.00E-07	3.05E-08
1165	486980.9	3856357.95	1.09E-06	1.04E-06	-5.32E-08	2.39E-07	2.32E-07	-7.33E-09	1.11E-07	1.07E-07	-3.39E-09	2.39E-07	2.32E-07	-7.33E-09
1166	487030.9	3856357.95	1.07E-06	9.95E-07	-7.86E-08	2.36E-07	2.23E-07	-1.31E-08	1.09E-07	1.03E-07	-6.05E-09	2.36E-07	2.23E-07	-1.31E-08
1167	486980.9	3856407.95	1.12E-06	1.09E-06	-3.02E-08	2.47E-07	2.45E-07	-2.03E-09	1.14E-07	1.13E-07	-9.40E-10	2.47E-07	2.45E-07	-2.03E-09
1168	487030.9	3856407.95	1.11E-06	1.05E-06	-6.00E-08	2.43E-07	2.34E-07	-8.78E-09	1.12E-07	1.08E-07	-4.06E-09	2.43E-07	2.34E-07	-8.78E-09
1169	487447.2	3856437.45	1.01E-06	8.10E-07	-2.02E-07	2.22E-07	1.81E-07	-4.11E-08	1.03E-07	8.38E-08	-1.90E-08	2.22E-07	1.81E-07	-4.11E-08
1170	487497.2	3856437.45	1.00E-06	7.88E-07	-2.13E-07	2.20E-07	1.77E-07	-4.34E-08	1.02E-07	8.16E-08	-2.01E-08	2.20E-07	1.77E-07	-4.34E-08
1171	487547.2	3856437.45	9.92E-07	7.69E-07	-2.23E-07	2.18E-07	1.72E-07	-4.57E-08	1.01E-07	7.96E-08	-2.11E-08	2.18E-07	1.72E-07	-4.57E-08
1172	487447.2	3856487.45	1.04E-06	8.37E-07	-2.01E-07	2.28E-07	1.88E-07	-4.06E-08	1.05E-07	8.67E-08	-1.87E-08	2.28E-07	1.88E-07	-4.06E-08
1173	487497.2	3856487.45	1.03E-06	8.14E-07	-2.12E-07	2.26E-07	1.82E-07	-4.32E-08	1.04E-07	8.43E-08	-1.99E-08	2.26E-07	1.82E-07	-4.32E-08
1174	487547.2	3856487.45	1.02E-06	7.93E-07	-2.23E-07	2.23E-07	1.78E-07	-4.57E-08	1.03E-07	8.21E-08	-2.11E-08	2.23E-07	1.78E-07	-4.57E-08
1175	487447.2	3856537.45	1.07E-06	8.68E-07	-1.98E-07	2.34E-07	1.94E-07	-3.99E-08	1.08E-07	8.98E-08	-1.84E-08	2.34E-07	1.94E-07	-3.99E-08
1176	487497.2	3856537.45	1.05E-06	8.42E-07	-2.10E-07	2.31E-07	1.89E-07	-4.27E-08	1.07E-07	8.71E-08	-1.97E-08	2.31E-07	1.89E-07	-4.27E-08
1177	487547.2	3856537.45	1.04E-06	8.20E-07	-2.23E-07	2.29E-07	1.84E-07	-4.55E-08	1.06E-07	8.48E-08	-2.10E-08	2.29E-07	1.84E-07	-4.55E-08
1178	489285.9	3858826.54	4.79E-06	2.69E-06	-2.10E-06	1.05E-06	6.03E-07	-4.50E-07	4.86E-07	2.78E-07	-2.08E-07	1.05E-06	6.03E-07	-4.50E-07
1179	489335.9	3858826.54	4.46E-06	2.49E-06	-1.97E-06	9.80E-07	5.57E-07	-4.23E-07	4.53E-07	2.57E-07	-1.96E-07	9.80E-07	5.57E-07	-4.23E-07
1180	489385.9	3858826.54	4.17E-06	2.31E-06	-1.86E-06	9.17E-07	5.17E-07	-4.00E-07	4.24E-07	2.39E-07	-1.85E-07	9.17E-07	5.17E-07	-4.00E-07
1181	489435.9	3858826.54	3.92E-06	2.16E-06	-1.76E-06	8.62E-07	4.84E-07	-3.78E-07	3.98E-07	2.24E-07	-1.75E-07	8.62E-07	4.84E-07	-3.78E-07
1182	489485.9	3858826.54	3.71E-06	2.03E-06	-1.68E-06	8.14E-07	4.55E-07	-3.60E-07	3.76E-07	2.10E-07	-1.66E-07	8.14E-07	4.55E-07	-3.60E-07
1183	489535.9	3858826.54	3.51E-06	1.92E-06	-1.60E-06	7.72E-07	4.29E-07	-3.42E-07	3.57E-07	1.98E-07	-1.58E-07	7.72E-07	4.29E-07	-3.42E-07
1184	489585.9	3858826.54	3.34E-06	1.82E-06	-1.52E-06	7.34E-07	4.07E-07	-3.27E-07	3.39E-07	1.88E-07	-1.51E-07	7.34E-07	4.07E-07	-3.27E-07
1185	489635.9	3858826.54	3.19E-06	1.73E-06	-1.46E-06	7.00E-07	3.87E-07	-3.13E-07	3.23E-07	1.79E-07	-1.45E-07	7.00E-07	3.87E-07	-3.13E-07
1186	489685.9	3858826.54	3.04E-06	1.65E-06	-1.40E-06	6.69E-07	3.69E-07	-3.00E-07	3.09E-07	1.71E-07	-1.38E-07	6.69E-07	3.69E-07	-3.00E-07
1187	489735.9	3858826.54	2.91E-06	1.58E-06	-1.34E-06	6.40E-07	3.53E-07	-2.87E-07	2.96E-07	1.63E-07	-1.33E-07	6.40E-07	3.53E-07	-2.87E-07
1188	489785.9	3858826.54	2.80E-06	1.51E-06	-1.29E-06	6.15E-07	3.38E-07	-2.77E-07	2.84E-07	1.56E-07	-1.28E-07	6.15E-07	3.38E-07	-2.77E-07
1189	489835.9	3858826.54	2.69E-06	1.45E-06	-1.24E-06	5.91E-07	3.25E-07	-2.66E-07	2.73E-07	1.50E-07	-1.23E-07	5.91E-07	3.25E-07	-2.66E-07
1190	489885.9	3858826.54	2.59E-06	1.40E-06	-1.19E-06	5.69E-07	3.13E-07	-2.57E-07	2.63E-07	1.44E-07	-1.19E-07	5.69E-07	3.13E-07	-2.57E-07
1191	489935.9	3858826.54	2.50E-06	1.34E-06	-1.15E-06	5.49E-07	3.01E-07	-2.48E-07	2.54E-07	1.39E-07	-1.14E-07	5.49E-07	3.01E-07	-2.48E-07
1192	489985.9	3858826.54	2.41E-06	1.30E-06	-1.11E-06	5.30E-07	2.90E-07	-2.39E-07	2.45E-07	1.34E-07	-1.11E-07	5.30E-07	2.90E-07	-2.39E-07
1193	490035.9	3858826.54	2.32E-06	1.25E-06	-1.07E-06	5.10E-07	2.80E-07	-2.31E-07	2.36E-07	1.29E-07	-1.07E-07	5.10E-07	2.80E-07	-2.31E-07
1194	489285.9	3858876.54	5.54E-06	3.12E-06	-2.42E-06	1.22E-06	6.99E-07	-5.18E-07	5.62E-07	3.23E-07	-2.39E-07	1.22E-06	6.99E-07	-5.18E-07
1195	489335.9	3858876.54	5.10E-06	2.85E-06	-2.25E-06	1.12E-06	6.37E-07	-4.83E-07	5.18E-07	2.95E-07	-2.23E-07	1.12E-06	6.37E-07	-4.83E-07
1196	489385.9	3858876.54	4.73E-06	2.62E-06	-2.11E-06	1.04E-06	5.87E-07	-4.52E-07	4.80E-07	2.71E-07	-2.09E-07	1.04E-06	5.87E-07	-4.52E-07
1197	489435.9	3858876.54	4.41E-06	2.43E-06	-1.98E-06	9.68E-07	5.44E-07	-4.25E-07	4.48E-07	2.51E-07	-1.96E-07	9.68E-07	5.44E-07	-4.25E-07
1198	489485.9	3858876.54	4.13E-06	2.26E-06	-1.87E-06	9.07E-07	5.07E-07	-4.01E-07	4.19E-07	2.34E-07	-1.85E-07	9.07E-07	5.07E-07	-4.01E-07
1199	489535.9	3858876.54	3.89E-06	2.12E-06	-1.77E-06	8.54E-07	4.75E-07	-3.79E-07	3.95E-07	2.20E-07	-1.75E-07	8.54E-07	4.75E-07	-3.79E-07
1200	489585.9	3858876.54	3.67E-06	2.00E-06	-1.67E-06	8.06E-07	4.47E-07	-3.59E-07	3.73E-07	2.07E-07	-1.66E-07	8.06E-07	4.47E-07	-3.59E-07
1201	489635.9	3858876.54	3.48E-06	1.89E-06	-1.59E-06	7.65E-07	4.23E-07	-3.42E-07	3.53E-07	1.96E-07	-1.58E-07	7.65E-07	4.23E-07	-3.42E-07
1202	489685.9	3858876.54	3.31E-06	1.79E-06	-1.52E-06	7.28E-07	4.02E-07	-3.26E-07	3.36E-07	1.86E-07	-1.51E-07	7.28E-07	4.02E-07	-3.26E-07
1203	489735.9	3858876.54	3.16E-06	1.71E-06	-1.45E-06	6.94E-07	3.82E-07	-3.12E-07	3.21E-07	1.77E-07	-1.44E-07	6.94E-07	3.82E-07	-3.12E-07
1204	489785.9	3858876.54	3.02E-06	1.63E-06	-1.39E-06	6.64E-07	3.65E-07	-2.98E-07	3.07E-07	1.69E-07	-1.38E-07	6.64E-07	3.65E-07	-2.98E-07
1205	489835.9	3858876.54	2.89E-06	1.56E-06	-1.33E-06	6.36E-07	3.50E-07	-2.86E-07	2.94E-07	1.62E-07	-1.32E-07	6.36E-07	3.50E-07	-2.86E-07
1206	489885.9	3858876.54	2.78E-06	1.50E-06	-1.28E-06	6.11E-07	3.36E-07	-2.76E-07	2.83E-07	1.55E-07	-1.27E-07	6.11E-07	3.36E-07	-2.76E-07
1207	489935.9	3858876.54	2.67E-06	1.44E-06	-1.23E-06	5.88E-07	3.22E-07	-2.65E-07	2.72E-07	1.49E-07	-1.23E-07	5.88E-07	3.22E-07	-2.65E-07
1208	489985.9	3858876.54	2.57E-06	1.38E-06	-1.19E-06	5.64E-07	3.09E-07	-2.55E-07	2.61E-07	1.43E-07	-1.18E-07	5.64E-07	3.09E-07	-2.55E-07
1209	490035.9	3858876.54	2.47E-06	1.33E-06	-1.14E-06	5.43E-07	2.98E-07	-2.45E-07	2.51E-07	1.37E-07	-1.13E-07	5.43E-07	2.98E-07	-2.45E-07
1210	489285.9	3858926.54	6.59E-06	3.72E-06	-2.87E-06	1.45E-06	8.33E-07	-6.14E-07	6.69E-07	3.85E-07	-2.84E-07	1.45E-06	8.33E-07	-6.14E-07
1211	489335.9	3858926.54	5.97E-06	3.34E-06	-2.63E-06	1.31E-06	7.47E-07	-5.65E-07	6.06E-07	3.45E-07	-2.61E-07	1.31E-06	7.47E-07	-5.65E-07
1212	489385.9	3858926.54	5.46E-06	3.03E-06	-2.43E-06	1.20E-06	6.77E-07	-5.22E-07	5.54E-07	3.13E-07	-2.41E-07	1.20E-06	6.77E-07	-5.22E-07
1213	489435.9	3858926.54	5.03E-06	2.77E-06	-2.26E-06	1.11E-06	6.21E-07	-4.85E-07	5.11E-07	2.87E-07	-2.24E-07	1.11E-06	6.21E-07	-4.85E-07
1214	489485.9	3858926.54	4.67E-06	2.56E-06	-2.11E-06	1.03E-06	5.73E-07	-4.53E-07	4.74E-07	2.65E-07	-2.09E-07	1.03E-06	5.73E-07	-4.53E-07
1215	489535.9	3858926.54	4.36E-06	2.38E-06	-1.98E-06	9.57E-07	5.33E-07	-4.24E-07	4.42E-07	2.46E-07	-1.96E-07	9.57E-07	5.33E-07	-4.24E-07
1216	489585.9	3858926.54	4.08E-06	2.22E-06	-1.86E-06	8.97E-07	4.98E-07	-4.00E-07	4.15E-07	2.30E-07	-1.85E-07	8.97E-07	4.98E-07	-4.00E-07
1217	489635.9	3858926.54	3.85E-06	2.09E-06	-1.76E-06	8.45E-07	4.68E-07	-3.78E-07	3.91E-07	2.16E-07	-1.74E-07	8.45E-07	4.68E-07	-3.78E-07
1218	489685.9	3858926.54	3.63E-06	1.97E-06	-1.67E-06	7.98E-07	4.41E-07	-3.58E-07	3.69E-07	2.04E-07	-1.65E-07	7.98E-07	4.41E-07	-3.58E-07
1219	489735.9	3858926.54	3.45E-06	1.87E-06	-1.58E-06	7.58E-07	4.18E-07	-3.40E-07	3.50E-07	1.93E-07	-1.57E-07	7.58E-07	4.18E-07	-3.40E-07
1220	489785.9	3858926.54	3.29E-06	1.78E-06	-1.51E-06	7.22E-07	3.98E-07	-3.24E-07	3.34E-07	1.84E-07	-1.50E-07	7.22E-07	3.98E-07	-3.24E-07
1221	489835.9	3858926.54	3.14E-06	1.69E-06	-1.44E-06	6.89E-07	3.79E-07	-3.10E-07	3.18E-07	1.75E-07	-1.43E-07	6.89E-07	3.79E-07	-3.10E-07
1222	489885.9	3858926.54	3.00E-06	1.62E-06	-1.38E-06	6.59E-07	3.62E-07	-2.97E-07	3.05E-07	1.67E-07	-1.37E-07	6.59E-07	3.62E-07	-2.97E-07
1223	489935.9	3858926.54	2.88E-06	1.55E-06	-1.33E-06	6.32E-07	3.47E-07	-2.85E-07	2.92E-07	1.60E-07	-1.32E-07	6.32E-07	3.47E-07	-2.85E-07
1224	489985.9	3858926.54	2.76E-06	1.48E-06	-1.27E-06	6.06E-07	3.32E-07	-2.73E-07	2.80E-07	1.54E-07	-1.26E-07	6.06E-07	3.32E-07	-2.73E-07
1225	490035.9	3858926.54	2.63E-06	1.42E-06	-1.22E-06	5.78E-07	3.17E-07	-2.61E-07	2.67E-07	1.47E-07	-1.21E-07	5.78E-07	3.17E-07	-2.61E-07
1226	489335.9	3858976.54	7.21E-06	4.03E-06	-3.18E-06	1.58E-06	9.03E-07	-6.81E-07	7.32E-07	4.17E-07	-3.15E-07	1.58E-06	9.03E-07	-6.81E-07
1227	489385.9	3858976.54	6.47E-06	3.59E-06	-2.88E-06	1.42E-06	8.03E-07	-6.18E-07	6.57E-07	3.71E-07	-2.85E-07	1.42E-06	8.03E-07	-6.18E-07
1228	489435.9	3858976.54	5.88E-06	3.24E-06	-2.64E-06	1.29E-06	7.26E-07	-5.66E-07	5.97E-07	3.35E-07	-2.62E-07	1.29E-06	7.26E-07	-5.66E-07
1229	489485.9	3858976.54	5.38E-06	2.95E-06	-2.43E-06	1.18E-06	6.61E-07	-5.21E-07	5.46E-07	3.06E-07	-2.41E-07	1.18E-06	6.61E-07	-5.21E-07
1230	489535.9	3858976.54	4.96E-06	2.71E-06	-2.25E-06	1.09E-06	6.07E-07	-4.83E-07	5.04E-07	2.81E-07	-2.23E-07	1.09E-06	6.07E-07	-4.83E-07
1231	489585.9	3858976.54	4.61E-06	2.51E-06	-2.10E-06	1.01E-06	5.63E-07	-4.50E-07	4.68E-07	2.60E-07	-2.08E-07	1.01E-06	5.63E-07	-4.50E-07
1232	489635.9	3858976.54	4.31E-06	2.34E-06	-1.96E-06	9.46E-07	5.24E-07	-4.22E-07	4.37E-07	2.42E-07	-1.95E-07	9.46E-07	5.24E-07	-4.22E-07
1233	489685.9	3858976.54	4.04E-06	2.19E-06	-1.85E-06	8.87E-07	4.91E-07	-3.97E-07	4.10E-07	2.27E-07	-1.83E-07	8.87E-07	4.91E-07	-3.97E-07
1234	489735.9	3858976.54	3.81E-06	2.06E-06	-1.74E-06	8.37E-07	4.62E-07	-3.75E-07	3.87E-07	2.13E-07	-1.73E-07	8.37E-07	4.62E-07	-3.75E-07
1235	489785.9	3858976.54	3.61E-06	1.95E-06	-1.66E-06	7.93E-07	4.37E-07	-3.56E-07	3.66E-07	2.02E-07	-1.64E-07	7.93E-07	4.37E-07	-3.56E-07
1236	489835.9	3858976.54	3.43E-06	1.85E-06	-1.58E-06	7.53E-07	4.15E-07	-3.38E-07	3.48E-07	1.92E-07	-1.56E-07	7.53E-07	4.15E-07	-3.38E-07
1237	489885.9	3858976.54	3.26E-06	1.76E-06	-1.50E-06	7.16E-07	3.94E-07	-3.22E-07	3.31E-07	1.82E-07	-1.49E-07	7.16E-07	3.94E-07	-3.22E-07
1238	489935.9	3858976.54	3.11E-06	1.68E-06	-1.43E-06	6.83E-07	3.76E-07	-3.07E-07	3.16E-07	1.74E-07	-1.42E-07	6.83E-07	3.76E-07	-3.07E-07
1239	489985.9	3858976.54	2.97E-06	1.60E-06	-1.37E-06	6.53E-07	3.59E-07	-2.94E-07	3.02E-07	1.66E-07	-1.36E-07	6.53E-07	3.59E-07	-2.94E-07
1240	490035.9	3858976.54	2.80E-06	1.51E-06	-1.29E-06	6.15E-07	3.38E-07	-2.77E-07	2.84E-07	1.56E-07	-1.28E-07	6.15E-07	3.38E-07	-2.77E-07
1241	489385.9	3859026.54	7.95E-06	4.42E-06	-3.53E-06	1.75E-06	9.90E-07	-7.57E-07	8.08E-07	4.58E-07	-3.50E-07	1.75E-06	9.90E-07	-7.57E-07
1242	489435.9	3859026.54	7.06E-06	3.90E-06	-3.16E-06	1.55E-06	8.74E-07	-6.78E-07	7.17E-07	4.04E-07	-3.13E-07	1.55E-06	8.74E-07	-6.78E-07
1243	489485.9	3859026.54	6.35E-06	3.50E-06	-2.86E-06	1.40E-06	7.83E-07	-6.13E-07	6.45E-07	3.62E-07	-2.83E-07	1.40E-06	7.83E-07	-6.13E-07
1244	489535.9	3859026.54	5.78E-06	3.17E-06	-2.61E-06	1.27E-06	7.09E-07	-5.60E-07	5.87E-07	3.28E-07	-2.59E-07	1.27E-06	7.09E-07	-5.60E-07
1245	489585.9	3859026.54	5.30E-06	2.89E-06	-2.40E-06	1.16E-06	6.48E-07	-5.15E-07	5.38E-07	2.99E-07	-2.38E-07	1.16E-06	6.48E-07	-5.15E-07
1246	489635.9	3859026.54	4.90E-06	2.67E-06	-2.23E-06	1.08E-06	5.98E-07	-4.78E-07	4.97E-07	2.76E-07	-2.21E-07	1.08E-06	5.98E-07	-4.78E-07
1247	489685.9	3859026.54	4.55E-06	2.48E-06	-2.08E-06	1.00E-06	5.55E-07	-4.46E-07	4.62E-07	2.56E-07	-2.06E-07	1.00E-06	5.55E-07	-4.46E-07
1248	489735.9	3859026.54	4.26E-06	2.31E-06	-1.95E-06	9.36E-07	5.18E-07	-4.18E-07	4.33E-07	2.39E-07	-1.93E-07	9.36E-07	5.18E-07	-4.18E-07
1249	489785.9	3859026.54	4.01E-06	2.17E-06	-1.83E-06	8.80E-07	4.86E-07	-3.94E-07	4.07E-07	2.25E-07	-1.82E-07	8.80E-07	4.86E-07	-3.94E-07
1250	489835.9	3859026.54	3.77E-06	2.04E-06	-1.73E-06	8.29E-07	4.58E-07	-3.71E-07	3.83E-07	2.11E-07	-1.72E-07	8.29E-07	4.58E-07	-3.71E-07
1251	489885.9	3859026.54	3.57E-06	1.93E-06	-1.64E-06	7.85E-07	4.33E-07	-3.52E-07	3.63E-07	2.00E-07	-1.63E-07	7.85E-07	4.33E-07	-3.52E-07
1252	489935.9	3859026.54	3.39E-06	1.83E-06	-1.56E-06	7.44E-07	4.10E-07	-3.34E-07	3.44E-07	1.90E-07	-1.55E-07	7.44E-07	4.10E-07	-3.34E-07
1253	489985.9	3859026.54	3.22E-06	1.74E-06	-1.48E-06	7.08E-07	3.90E-07	-3.18E-07	3.27E-07	1.80E-07	-1.47E-07	7.08E-07	3.90E-07	-3.18E-07
1254	490035.9	3859026.54	3.01E-06	1.63E-06	-1.39E-06	6.62E-07	3.64E-07	-2.98E-07	3.06E-07	1.68E-07	-1.38E-07	6.62E-07	3.64E-07	-2.98E-07
1255	489485.9	3859076.54	7.77E-06	4.30E-06	-3.47E-06	1.71E-06	9.62E-07	-7.45E-07	7.89E-07	4.45E-07	-3.44E-07	1.71E-06	9.62E-07	-7.45E-07
1256	489535.9	3859076.54	6.91E-06	3.81E-06	-3.11E-06	1.52E-06	8.52E-07	-6.66E-07	7.02E-07	3.94E-07	-3.08E-07	1.52E-06	8.52E-07	-6.66E-07
1257	489585.9	3859076.54	6.23E-06	3.42E-06	-2.81E-06	1.37E-06	7.65E-07	-6.03E-07	6.33E-07	3.54E-07	-2.79E-07	1.37E-06	7.65E-07	-6.03E-07
1258	489635.9	3859076.54	5.68E-06	3.11E-06	-2.57E-06	1.25E-06	6.96E-07	-5.53E-07	5.77E-07	3.22E-07	-2.55E-07	1.25E-06	6.96E-07	-5.53E-07

1259	489685.9	3859076.54	5.23E-06	2.85E-06	-2.37E-06	1.15E-06	6.39E-07	-5.10E-07	5.31E-07	2.95E-07	-2.36E-07	1.15E-06	6.39E-07	-5.10E-07
1260	489735.9	3859076.54	4.84E-06	2.64E-06	-2.20E-06	1.06E-06	5.90E-07	-4.73E-07	4.91E-07	2.73E-07	-2.19E-07	1.06E-06	5.90E-07	-4.73E-07
1261	489785.9	3859076.54	4.51E-06	2.45E-06	-2.06E-06	9.90E-07	5.49E-07	-4.41E-07	4.58E-07	2.54E-07	-2.04E-07	9.90E-07	5.49E-07	-4.41E-07
1262	489835.9	3859076.54	4.21E-06	2.29E-06	-1.93E-06	9.26E-07	5.12E-07	-4.13E-07	4.28E-07	2.37E-07	-1.91E-07	9.26E-07	5.12E-07	-4.13E-07
1263	489885.9	3859076.54	3.96E-06	2.15E-06	-1.81E-06	8.69E-07	4.81E-07	-3.89E-07	4.02E-07	2.22E-07	-1.80E-07	8.69E-07	4.81E-07	-3.89E-07
1264	489935.9	3859076.54	3.73E-06	2.02E-06	-1.71E-06	8.21E-07	4.53E-07	-3.67E-07	3.79E-07	2.09E-07	-1.70E-07	8.21E-07	4.53E-07	-3.67E-07
1265	489985.9	3859076.54	3.53E-06	1.91E-06	-1.62E-06	7.76E-07	4.28E-07	-3.48E-07	3.58E-07	1.98E-07	-1.61E-07	7.76E-07	4.28E-07	-3.48E-07
1266	490035.9	3859076.54	3.29E-06	1.78E-06	-1.51E-06	7.23E-07	3.99E-07	-3.24E-07	3.34E-07	1.84E-07	-1.50E-07	7.23E-07	3.99E-07	-3.24E-07
1267	489585.9	3859126.54	7.59E-06	4.19E-06	-3.41E-06	1.67E-06	9.37E-07	-7.31E-07	7.71E-07	4.33E-07	-3.38E-07	1.67E-06	9.37E-07	-7.31E-07
1268	489635.9	3859126.54	6.79E-06	3.73E-06	-3.06E-06	1.49E-06	8.35E-07	-6.57E-07	6.89E-07	3.86E-07	-3.03E-07	1.49E-06	8.35E-07	-6.57E-07
1269	489685.9	3859126.54	6.14E-06	3.36E-06	-2.78E-06	1.35E-06	7.53E-07	-5.96E-07	6.23E-07	3.48E-07	-2.75E-07	1.35E-06	7.53E-07	-5.96E-07
1270	489735.9	3859126.54	5.60E-06	3.06E-06	-2.54E-06	1.23E-06	6.86E-07	-5.45E-07	5.69E-07	3.17E-07	-2.52E-07	1.23E-06	6.86E-07	-5.45E-07
1271	489785.9	3859126.54	5.16E-06	2.81E-06	-2.34E-06	1.13E-06	6.30E-07	-5.03E-07	5.24E-07	2.91E-07	-2.33E-07	1.13E-06	6.30E-07	-5.03E-07
1272	489835.9	3859126.54	4.78E-06	2.60E-06	-2.17E-06	1.05E-06	5.83E-07	-4.67E-07	4.85E-07	2.69E-07	-2.16E-07	1.05E-06	5.83E-07	-4.67E-07
1273	489885.9	3859126.54	4.44E-06	2.42E-06	-2.03E-06	9.76E-07	5.41E-07	-4.35E-07	4.51E-07	2.50E-07	-2.01E-07	9.76E-07	5.41E-07	-4.35E-07
1274	489935.9	3859126.54	4.16E-06	2.26E-06	-1.90E-06	9.14E-07	5.06E-07	-4.08E-07	4.22E-07	2.34E-07	-1.88E-07	9.14E-07	5.06E-07	-4.08E-07
1275	489985.9	3859126.54	3.89E-06	2.11E-06	-1.78E-06	8.55E-07	4.73E-07	-3.82E-07	3.95E-07	2.19E-07	-1.76E-07	8.55E-07	4.73E-07	-3.82E-07
1276	490035.9	3859126.54	3.64E-06	1.97E-06	-1.66E-06	7.99E-07	4.42E-07	-3.57E-07	3.69E-07	2.04E-07	-1.65E-07	7.99E-07	4.42E-07	-3.57E-07
1277	489585.9	3859176.54	9.71E-06	5.38E-06	-4.33E-06	2.13E-06	1.20E-06	-9.29E-07	9.86E-07	5.57E-07	-4.30E-07	2.13E-06	1.20E-06	-9.29E-07
1278	489635.9	3859176.54	8.43E-06	4.65E-06	-3.78E-06	1.85E-06	1.04E-06	-8.11E-07	8.56E-07	4.81E-07	-3.75E-07	1.85E-06	1.04E-06	-8.11E-07
1279	489685.9	3859176.54	7.45E-06	4.10E-06	-3.35E-06	1.64E-06	9.17E-07	-7.19E-07	7.56E-07	4.24E-07	-3.33E-07	1.64E-06	9.17E-07	-7.19E-07
1280	489735.9	3859176.54	6.68E-06	3.66E-06	-3.01E-06	1.47E-06	8.20E-07	-6.47E-07	6.78E-07	3.79E-07	-2.99E-07	1.47E-06	8.20E-07	-6.47E-07
1281	489785.9	3859176.54	6.04E-06	3.31E-06	-2.73E-06	1.33E-06	7.40E-07	-5.87E-07	6.13E-07	3.42E-07	-2.71E-07	1.33E-06	7.40E-07	-5.87E-07
1282	489835.9	3859176.54	5.52E-06	3.02E-06	-2.50E-06	1.21E-06	6.75E-07	-5.37E-07	5.60E-07	3.12E-07	-2.48E-07	1.21E-06	6.75E-07	-5.37E-07
1283	489885.9	3859176.54	5.08E-06	2.77E-06	-2.30E-06	1.12E-06	6.20E-07	-4.95E-07	5.15E-07	2.87E-07	-2.29E-07	1.12E-06	6.20E-07	-4.95E-07
1284	489935.9	3859176.54	4.71E-06	2.57E-06	-2.14E-06	1.03E-06	5.75E-07	-4.59E-07	4.78E-07	2.66E-07	-2.12E-07	1.03E-06	5.75E-07	-4.59E-07
1285	489985.9	3859176.54	4.36E-06	2.38E-06	-1.99E-06	9.58E-07	5.32E-07	-4.26E-07	4.43E-07	2.46E-07	-1.97E-07	9.58E-07	5.32E-07	-4.26E-07
1286	490035.9	3859176.54	4.09E-06	2.23E-06	-1.86E-06	8.99E-07	4.98E-07	-4.00E-07	4.15E-07	2.30E-07	-1.85E-07	8.99E-07	4.98E-07	-4.00E-07
1287	489685.9	3859226.54	9.46E-06	5.23E-06	-4.24E-06	2.08E-06	1.17E-06	-9.09E-07	9.61E-07	5.41E-07	-4.20E-07	2.08E-06	1.17E-06	-9.09E-07
1288	489735.9	3859226.54	8.25E-06	4.55E-06	-3.71E-06	1.81E-06	1.02E-06	-7.95E-07	8.38E-07	4.70E-07	-3.68E-07	1.81E-06	1.02E-06	-7.95E-07
1289	489785.9	3859226.54	7.30E-06	4.01E-06	-3.29E-06	1.60E-06	8.99E-07	-7.05E-07	7.41E-07	4.15E-07	-3.26E-07	1.60E-06	8.99E-07	-7.05E-07
1290	489835.9	3859226.54	6.54E-06	3.59E-06	-2.95E-06	1.44E-06	8.03E-07	-6.33E-07	6.64E-07	3.71E-07	-2.92E-07	1.44E-06	8.03E-07	-6.33E-07
1291	489885.9	3859226.54	5.93E-06	3.25E-06	-2.68E-06	1.30E-06	7.27E-07	-5.75E-07	6.02E-07	3.36E-07	-2.66E-07	1.30E-06	7.27E-07	-5.75E-07
1292	489935.9	3859226.54	5.42E-06	2.96E-06	-2.45E-06	1.19E-06	6.64E-07	-5.26E-07	5.50E-07	3.07E-07	-2.43E-07	1.19E-06	6.64E-07	-5.26E-07
1293	489985.9	3859226.54	4.95E-06	2.70E-06	-2.24E-06	1.09E-06	6.06E-07	-4.82E-07	5.03E-07	2.80E-07	-2.23E-07	1.09E-06	6.06E-07	-4.82E-07
1294	490035.9	3859226.54	4.61E-06	2.52E-06	-2.09E-06	1.01E-06	5.63E-07	-4.49E-07	4.68E-07	2.60E-07	-2.08E-07	1.01E-06	5.63E-07	-4.49E-07
1295	489735.9	3859276.54	1.08E-05	5.98E-06	-4.82E-06	2.37E-06	1.34E-06	-1.03E-06	1.10E-06	6.19E-07	-4.78E-07	2.37E-06	1.34E-06	-1.03E-06
1296	489785.9	3859276.54	9.24E-06	5.10E-06	-4.14E-06	2.03E-06	1.14E-06	-8.87E-07	9.38E-07	5.28E-07	-4.10E-07	2.03E-06	1.14E-06	-8.87E-07
1297	489835.9	3859276.54	8.04E-06	4.43E-06	-3.61E-06	1.77E-06	9.93E-07	-7.74E-07	8.16E-07	4.59E-07	-3.58E-07	1.77E-06	9.93E-07	-7.74E-07
1298	489885.9	3859276.54	7.14E-06	3.93E-06	-3.21E-06	1.57E-06	8.79E-07	-6.88E-07	7.25E-07	4.06E-07	-3.18E-07	1.57E-06	8.79E-07	-6.88E-07
1299	489935.9	3859276.54	6.40E-06	3.52E-06	-2.88E-06	1.41E-06	7.87E-07	-6.18E-07	6.50E-07	3.64E-07	-2.86E-07	1.41E-06	7.87E-07	-6.18E-07
1300	489985.9	3859276.54	5.74E-06	3.15E-06	-2.59E-06	1.26E-06	7.05E-07	-5.56E-07	5.83E-07	3.26E-07	-2.57E-07	1.26E-06	7.05E-07	-5.56E-07
1301	490035.9	3859276.54	5.31E-06	2.91E-06	-2.40E-06	1.17E-06	6.51E-07	-5.15E-07	5.39E-07	3.01E-07	-2.38E-07	1.17E-06	6.51E-07	-5.15E-07
1302	490458.1	3859590.74	8.96E-06	4.96E-06	-4.00E-06	1.97E-06	1.11E-06	-8.58E-07	9.10E-07	5.13E-07	-3.96E-07	1.97E-06	1.11E-06	-8.58E-07
1303	490508.1	3859590.74	7.92E-06	4.39E-06	-3.54E-06	1.74E-06	9.82E-07	-7.58E-07	8.04E-07	4.54E-07	-3.51E-07	1.74E-06	9.82E-07	-7.58E-07
1304	490558.1	3859590.74	7.06E-06	3.91E-06	-3.15E-06	1.55E-06	8.75E-07	-6.76E-07	7.17E-07	4.04E-07	-3.13E-07	1.55E-06	8.75E-07	-6.76E-07
1305	490608.1	3859590.74	6.35E-06	3.51E-06	-2.84E-06	1.39E-06	7.86E-07	-6.09E-07	6.45E-07	3.63E-07	-2.81E-07	1.39E-06	7.86E-07	-6.09E-07
1306	490658.1	3859590.74	5.75E-06	3.18E-06	-2.57E-06	1.26E-06	7.12E-07	-5.52E-07	5.84E-07	3.29E-07	-2.55E-07	1.26E-06	7.12E-07	-5.52E-07
1307	490708.1	3859590.74	5.24E-06	2.90E-06	-2.35E-06	1.15E-06	6.49E-07	-5.03E-07	5.32E-07	3.00E-07	-2.33E-07	1.15E-06	6.49E-07	-5.03E-07
1308	490758.1	3859590.74	4.79E-06	2.64E-06	-2.14E-06	1.05E-06	5.92E-07	-4.60E-07	4.86E-07	2.74E-07	-2.13E-07	1.05E-06	5.92E-07	-4.60E-07
1309	490808.1	3859590.74	4.43E-06	2.44E-06	-1.98E-06	9.73E-07	5.47E-07	-4.26E-07	4.49E-07	2.53E-07	-1.97E-07	9.73E-07	5.47E-07	-4.26E-07
1310	490858.1	3859590.74	4.10E-06	2.26E-06	-1.84E-06	9.01E-07	5.06E-07	-3.94E-07	4.16E-07	2.34E-07	-1.82E-07	9.01E-07	5.06E-07	-3.94E-07
1311	490458.1	3859640.74	1.29E-05	7.18E-06	-5.74E-06	2.84E-06	1.61E-06	-1.23E-06	1.31E-06	7.43E-07	-5.68E-07	2.84E-06	1.61E-06	-1.23E-06
1312	490508.1	3859640.74	1.10E-05	6.11E-06	-4.88E-06	2.42E-06	1.37E-06	-1.05E-06	1.12E-06	6.32E-07	-4.84E-07	2.42E-06	1.37E-06	-1.05E-06
1313	490558.1	3859640.74	9.54E-06	5.30E-06	-4.24E-06	2.10E-06	1.19E-06	-9.09E-07	9.68E-07	5.48E-07	-4.20E-07	2.10E-06	1.19E-06	-9.09E-07
1314	490608.1	3859640.74	8.28E-06	4.60E-06	-3.68E-06	1.82E-06	1.03E-06	-7.90E-07	8.41E-07	4.76E-07	-3.65E-07	1.82E-06	1.03E-06	-7.90E-07
1315	490658.1	3859640.74	7.27E-06	4.03E-06	-3.24E-06	1.60E-06	9.03E-07	-6.94E-07	7.38E-07	4.17E-07	-3.21E-07	1.60E-06	9.03E-07	-6.94E-07
1316	490708.1	3859640.74	6.50E-06	3.60E-06	-2.90E-06	1.43E-06	8.07E-07	-6.21E-07	6.60E-07	3.73E-07	-2.87E-07	1.43E-06	8.07E-07	-6.21E-07
1317	490758.1	3859640.74	5.84E-06	3.24E-06	-2.60E-06	1.28E-06	7.25E-07	-5.58E-07	5.93E-07	3.35E-07	-2.58E-07	1.28E-06	7.25E-07	-5.58E-07
1318	490808.1	3859640.74	5.34E-06	2.96E-06	-2.38E-06	1.17E-06	6.62E-07	-5.11E-07	5.42E-07	3.06E-07	-2.36E-07	1.17E-06	6.62E-07	-5.11E-07
1319	490858.1	3859640.74	4.91E-06	2.72E-06	-2.19E-06	1.08E-06	6.09E-07	-4.71E-07	4.99E-07	2.81E-07	-2.18E-07	1.08E-06	6.09E-07	-4.71E-07
1320	490608.1	3859690.74	1.17E-05	6.54E-06	-5.18E-06	2.58E-06	1.47E-06	-1.11E-06	1.19E-06	6.77E-07	-5.14E-07	2.58E-06	1.47E-06	-1.11E-06
1321	490658.1	3859690.74	9.84E-06	5.49E-06	-4.35E-06	2.16E-06	1.23E-06	-9.33E-07	9.99E-07	5.68E-07	-4.31E-07	2.16E-06	1.23E-06	-9.33E-07
1322	490708.1	3859690.74	8.51E-06	4.74E-06	-3.77E-06	1.87E-06	1.06E-06	-8.08E-07	8.64E-07	4.90E-07	-3.74E-07	1.87E-06	1.06E-06	-8.08E-07
1323	490758.1	3859690.74	7.44E-06	4.14E-06	-3.30E-06	1.64E-06	9.27E-07	-7.08E-07	7.56E-07	4.29E-07	-3.27E-07	1.64E-06	9.27E-07	-7.08E-07
1324	490808.1	3859690.74	6.64E-06	3.69E-06	-2.95E-06	1.46E-06	8.27E-07	-6.32E-07	6.74E-07	3.82E-07	-2.92E-07	1.46E-06	8.27E-07	-6.32E-07
1325	490858.1	3859690.74	6.08E-06	3.38E-06	-2.70E-06	1.34E-06	7.56E-07	-5.79E-07	6.17E-07	3.49E-07	-2.68E-07	1.34E-06	7.56E-07	-5.79E-07
1326	490708.1	3859740.74	1.23E-05	6.89E-06	-5.39E-06	2.70E-06	1.54E-06	-1.16E-06	1.25E-06	7.13E-07	-5.34E-07	2.70E-06	1.54E-06	-1.16E-06
1327	490758.1	3859740.74	1.04E-05	5.84E-06	-4.60E-06	2.30E-06	1.31E-06	-9.86E-07	1.06E-06	6.05E-07	-4.56E-07	2.30E-06	1.31E-06	-9.86E-07
1328	490808.1	3859740.74	9.02E-06	5.04E-06	-3.98E-06	1.98E-06	1.13E-06	-8.53E-07	9.16E-07	5.22E-07	-3.94E-07	1.98E-06	1.13E-06	-8.53E-07
1329	490858.1	3859740.74	7.95E-06	4.44E-06	-3.52E-06	1.75E-06	9.94E-07	-7.54E-07	8.08E-07	4.59E-07	-3.48E-07	1.75E-06	9.94E-07	-7.54E-07
1330	490786.6	3859749.39	1.02E-05	5.72E-06	-4.50E-06	2.25E-06	1.28E-06	-9.65E-07	1.04E-06	5.92E-07	-4.46E-07	2.25E-06	1.28E-06	-9.65E-07
1331	490836.6	3859749.39	8.86E-06	4.95E-06	-3.91E-06	1.95E-06	1.11E-06	-8.38E-07	8.99E-07	5.12E-07	-3.87E-07	1.95E-06	1.11E-06	-8.38E-07
1332	490786.6	3859799.39	1.62E-05	9.18E-06	-7.07E-06	3.57E-06	2.05E-06	-1.51E-06	1.65E-06	9.50E-07	-7.00E-07	3.57E-06	2.05E-06	-1.51E-06
1333	490836.6	3859799.39	1.31E-05	7.40E-06	-5.72E-06	2.88E-06	1.66E-06	-1.22E-06	1.33E-06	7.66E-07	-5.66E-07	2.88E-06	1.66E-06	-1.22E-06
1334	492307.8	3854508.36	3.96E-07	2.38E-07	-1.58E-07	8.70E-08	5.32E-08	-3.37E-08	4.02E-08	2.46E-08	-1.56E-08	8.70E-08	5.32E-08	-3.37E-08
1335	486445.7	3854753.6	5.96E-07	4.75E-07	-1.21E-07	1.31E-07	1.06E-07	-2.47E-08	6.06E-08	4.91E-08	-1.14E-08	1.31E-07	1.06E-07	-2.47E-08
1336	472599.8	3877830.11	3.60E-08	1.98E-08	-1.61E-08	7.91E-09	4.44E-09	-3.46E-09	3.65E-09	2.05E-09	-1.60E-09	7.91E-09	4.44E-09	-3.46E-09
1337	493107.5	3866840.19	7.83E-08	4.37E-08	-3.46E-08	1.72E-08	9.78E-09	-7.42E-09	7.95E-09	4.52E-09	-3.43E-09	1.72E-08	9.78E-09	-7.42E-09
1338	495815.8	3861662.87	3.46E-06	1.91E-06	-1.55E-06	7.60E-07	4.28E-07	-3.32E-07	3.51E-07	1.98E-07	-1.54E-07	7.60E-07	4.28E-07	-3.32E-07
1339	480272.3	3841389.2	6.48E-08	3.60E-08	-2.88E-08	1.42E-08	8.06E-09	-6.17E-09	6.58E-09	3.72E-09	-2.85E-09	1.42E-08	8.06E-09	-6.17E-09
1340	497005.2	3862813.64	1.20E-06	6.66E-07	-5.38E-07	2.64E-07	1.49E-07	-1.15E-07	1.22E-07	6.89E-08	-5.33E-08	2.64E-07	1.49E-07	-1.15E-07
1341	493677.3	3860302.55	1.33E-06	7.30E-07	-5.99E-07	2.92E-07	1.63E-07	-1.28E-07	1.35E-07	7.55E-08	-5.94E-08	2.92E-07	1.63E-07	-1.28E-07
1342	493727.3	3860302.55	1.31E-06	7.17E-07	-5.89E-07	2.87E-07	1.61E-07	-1.26E-07	1.33E-07	7.42E-08	-5.84E-08	2.87E-07	1.61E-07	-1.26E-07
1343	493777.3	3860302.55	1.28E-06	7.04E-07	-5.78E-07	2.82E-07	1.58E-07	-1.24E-07	1.30E-07	7.28E-08	-5.73E-08	2.82E-07	1.58E-07	-1.24E-07
1344	493827.3	3860302.55	1.26E-06	6.91E-07	-5.67E-07	2.76E-07	1.55E-07	-1.22E-07	1.28E-07	7.15E-08	-5.63E-08	2.76E-07	1.55E-07	-1.22E-07
1345	493877.3	3860302.55	1.24E-06	6.81E-07	-5.60E-07	2.73E-07	1.52E-07	-1.20E-07	1.26E-07	7.05E-08	-5.55E-08	2.73E-07	1.52E-07	-1.20E-07
1346	493927.3	3860302.55	1.23E-06	6.72E-07	-5.53E-07	2.69E-07	1.51E-07	-1.19E-07	1.24E-07	6.96E-08	-5.48E-08	2.69E-07	1.51E-07	-1.19E-07
1347	493977.3	3860302.55	1.19E-06	6.55E-07	-5.38E-07	2.62E-07	1.47E-07	-1.16E-07	1.21E-07	6.77E-08	-5.34E-08	2.62E-07	1.47E-07	-1.16E-07
1348	494027.3	3860302.55	1.17E-06	6.42E-07	-5.28E-07	2.57E-07	1.44E-07	-1.13E-07	1.19E-07	6.64E-08	-5.24E-08	2.57E-07	1.44E-07	-1.13E-07
1349	493677.3	3860352.55	1.37E-06	7.53E-07	-6.17E-07	3.01E-07	1.69E-07	-1.32E-07	1.39E-07	7.79E-08	-6.12E-08	3.01E-07	1.69E-07	-1.32E-07
1350	493727.3	3860352.55	1.35E-06	7.41E-07	-6.08E-07	2.96E-07	1.66E-07	-1.30E-07	1.37E-07	7.67E-08	-6.03E-08	2.96E-07	1.66E-07	-1.30E-07
1351	493777.3	3860352.55	1.33E-06	7.30E-07	-5.99E-07	2.92E-07	1.63E-07	-1.28E-07	1.35E-07	7.55E-08	-5.94E-08	2.92E-07	1.63E-07	-1.28E-07
1352	493827.3	3860352.55	1.31E-06	7.18E-07	-5.89E-07	2.87E-07	1.61E-07	-1.26E-07	1.33E-07	7.43E-08	-5.84E-08	2.87E-07	1.61E-07	-1.26E-07
1353	493877.3	3860352.55	1.28E-06	7.04E-07	-5.78E-07	2.82E-07	1.58E-07	-1.24E-07	1.30E-07	7.29E-08	-5.74E-08	2.82E-07	1.58E-07	-1.24E-07
1354	493927.3	3860352.55	1.25E-06	6.89E-07	-5.66E-07	2.76E-07	1.54E-07	-1.21E-07	1.27E-07	7.13E-08	-5.61E-08	2.76E-07	1.54E-07	-1.21E-07
1355	493977.3	3860352.55	1.23E-06	6.73E-07	-5.53E-07	2.69E-07	1.51E-07	-1.19E-07	1.24E-07	6.96E-08	-5.48E-08	2.69E-07	1.51E-07	-1.19E-07
1356	494027.3	3860352.55	1.21E-06	6.63E-07	-5.44E-07	2.65E-07	1.48E-07	-1.17E-07	1.23E-07	6.86E-08	-5.40E-08	2.65E-07	1.48E-07	-1.17E-07
1357	493677.3	3860402.55	1.42E-06	7.82E-07	-6.40E-07	3.12E-07	1.75E-07	-1.37E-07	1.44E-07	8.09E-08	-6.35E-08	3.12E-07	1.75E-07	-1.37E-07
1358	493727.3	3860402.55	1.40E-06	7.70E-07	-6.30E-07	3.08E-07	1.72E-07	-1.35E-07	1.42E-07	7.96E-08	-6.25E-08	3.08E-07	1.72E-07	-1.35E-07
1359	493777.3	3860402.55	1.36E-06	7.50E-07	-6.14E-07	3.00E-07	1.68E-07	-1.32E-07	1.38E-07	7.76E-08	-6.09E-08	3.00E-07	1.68E-07	-1.32E-07
1360	493827.3	3860402.55	1.35E-06	7.41E-07	-6.08E-07	2.96E-07	1.66E-07	-1.30E-07	1.37E-07	7.67E-08	-6.02E-08	2.96E-07	1.66E-07	-1.30E-07
1361	493877.3	3860402.55	1.33E-06	7.29E-07	-5.98E-07	2.92E-07	1.63E-07	-1.28E-07	1.35E-07	7.55E-08	-5.93E-08	2.92E-07	1.63E-07	-1.28E-07
1362	493927.3	3860402.55	1.29E-06	7.11E-07	-5.83E-07	2.84E-07	1.59E-07	-1.25E-07	1.31E-07	7.36E-08	-5.78E-08	2.84E-07	1.59E-07	-1.25E-07
1363	493977.3	3860402.55	1.26E-06	6.93E-07	-5.69E-07	2.77E-07	1.55E-07	-1.22E-07	1.28E-07	7.17E-08	-5.64E-08	2.77E-07	1.55E-07	-1.22E-07

1364	494027.3	3860402.55	1.25E-06	6.84E-07	-5.62E-07	2.74E-07	1.53E-07	-1.21E-07	1.27E-07	7.08E-08	-5.57E-08	2.74E-07	1.53E-07	-1.21E-07
1365	493677.3	3860452.55	1.47E-06	8.08E-07	-6.60E-07	3.23E-07	1.81E-07	-1.42E-07	1.49E-07	8.36E-08	-6.55E-08	3.23E-07	1.81E-07	-1.42E-07
1366	493727.3	3860452.55	1.45E-06	8.00E-07	-6.54E-07	3.19E-07	1.79E-07	-1.40E-07	1.48E-07	8.28E-08	-6.49E-08	3.19E-07	1.79E-07	-1.40E-07
1367	493777.3	3860452.55	1.43E-06	7.86E-07	-6.43E-07	3.14E-07	1.76E-07	-1.38E-07	1.45E-07	8.13E-08	-6.37E-08	3.14E-07	1.76E-07	-1.38E-07
1368	493827.3	3860452.55	1.40E-06	7.68E-07	-6.29E-07	3.07E-07	1.72E-07	-1.35E-07	1.42E-07	7.95E-08	-6.24E-08	3.07E-07	1.72E-07	-1.35E-07
1369	493877.3	3860452.55	1.37E-06	7.52E-07	-6.16E-07	3.01E-07	1.68E-07	-1.32E-07	1.39E-07	7.78E-08	-6.11E-08	3.01E-07	1.68E-07	-1.32E-07
1370	493927.3	3860452.55	1.33E-06	7.31E-07	-5.99E-07	2.92E-07	1.64E-07	-1.29E-07	1.35E-07	7.57E-08	-5.94E-08	2.92E-07	1.64E-07	-1.29E-07
1371	493977.3	3860452.55	1.31E-06	7.20E-07	-5.90E-07	2.88E-07	1.61E-07	-1.27E-07	1.33E-07	7.45E-08	-5.85E-08	2.88E-07	1.61E-07	-1.27E-07
1372	494027.3	3860452.55	1.29E-06	7.09E-07	-5.81E-07	2.83E-07	1.59E-07	-1.25E-07	1.31E-07	7.33E-08	-5.76E-08	2.83E-07	1.59E-07	-1.25E-07
1373	493677.3	3860502.55	1.52E-06	8.37E-07	-6.84E-07	3.34E-07	1.88E-07	-1.47E-07	1.54E-07	8.67E-08	-6.78E-08	3.34E-07	1.88E-07	-1.47E-07
1374	493727.3	3860502.55	1.50E-06	8.26E-07	-6.76E-07	3.30E-07	1.85E-07	-1.45E-07	1.53E-07	8.55E-08	-6.70E-08	3.30E-07	1.85E-07	-1.45E-07
1375	493777.3	3860502.55	1.48E-06	8.12E-07	-6.63E-07	3.24E-07	1.82E-07	-1.42E-07	1.50E-07	8.40E-08	-6.58E-08	3.24E-07	1.82E-07	-1.42E-07
1376	493827.3	3860502.55	1.45E-06	7.97E-07	-6.53E-07	3.19E-07	1.79E-07	-1.40E-07	1.47E-07	8.25E-08	-6.47E-08	3.19E-07	1.79E-07	-1.40E-07
1377	493877.3	3860502.55	1.42E-06	7.79E-07	-6.37E-07	3.11E-07	1.75E-07	-1.37E-07	1.44E-07	8.06E-08	-6.32E-08	3.11E-07	1.75E-07	-1.37E-07
1378	493927.3	3860502.55	1.38E-06	7.60E-07	-6.22E-07	3.04E-07	1.70E-07	-1.33E-07	1.40E-07	7.86E-08	-6.17E-08	3.04E-07	1.70E-07	-1.33E-07
1379	493977.3	3860502.55	1.36E-06	7.49E-07	-6.13E-07	2.99E-07	1.68E-07	-1.32E-07	1.38E-07	7.75E-08	-6.08E-08	2.99E-07	1.68E-07	-1.32E-07
1380	494027.3	3860502.55	1.34E-06	7.36E-07	-6.03E-07	2.94E-07	1.65E-07	-1.29E-07	1.36E-07	7.62E-08	-5.98E-08	2.94E-07	1.65E-07	-1.29E-07
1381	493627.3	3860552.55	1.61E-06	8.87E-07	-7.24E-07	3.54E-07	1.99E-07	-1.55E-07	1.63E-07	9.17E-08	-7.18E-08	3.54E-07	1.99E-07	-1.55E-07
1382	493677.3	3860552.55	1.59E-06	8.74E-07	-7.14E-07	3.49E-07	1.96E-07	-1.53E-07	1.61E-07	9.05E-08	-7.08E-08	3.49E-07	1.96E-07	-1.53E-07
1383	493727.3	3860552.55	1.56E-06	8.60E-07	-7.03E-07	3.43E-07	1.93E-07	-1.51E-07	1.59E-07	8.90E-08	-6.97E-08	3.43E-07	1.93E-07	-1.51E-07
1384	493777.3	3860552.55	1.53E-06	8.44E-07	-6.89E-07	3.37E-07	1.89E-07	-1.48E-07	1.56E-07	8.73E-08	-6.83E-08	3.37E-07	1.89E-07	-1.48E-07
1385	493827.3	3860552.55	1.50E-06	8.24E-07	-6.73E-07	3.29E-07	1.85E-07	-1.45E-07	1.52E-07	8.53E-08	-6.68E-08	3.29E-07	1.85E-07	-1.45E-07
1386	493877.3	3860552.55	1.47E-06	8.11E-07	-6.63E-07	3.24E-07	1.82E-07	-1.42E-07	1.50E-07	8.40E-08	-6.57E-08	3.24E-07	1.82E-07	-1.42E-07
1387	493927.3	3860552.55	1.44E-06	7.94E-07	-6.49E-07	3.17E-07	1.78E-07	-1.39E-07	1.47E-07	8.22E-08	-6.43E-08	3.17E-07	1.78E-07	-1.39E-07
1388	493977.3	3860552.55	1.41E-06	7.76E-07	-6.35E-07	3.10E-07	1.74E-07	-1.36E-07	1.43E-07	8.03E-08	-6.29E-08	3.10E-07	1.74E-07	-1.36E-07
1389	494027.3	3860552.55	1.39E-06	7.65E-07	-6.26E-07	3.06E-07	1.71E-07	-1.34E-07	1.41E-07	7.91E-08	-6.21E-08	3.06E-07	1.71E-07	-1.34E-07
1390	493627.3	3860602.55	1.67E-06	9.23E-07	-7.52E-07	3.68E-07	2.07E-07	-1.61E-07	1.70E-07	9.55E-08	-7.46E-08	3.68E-07	2.07E-07	-1.61E-07
1391	493727.3	3860602.55	1.63E-06	8.98E-07	-7.33E-07	3.59E-07	2.01E-07	-1.57E-07	1.66E-07	9.30E-08	-7.27E-08	3.59E-07	2.01E-07	-1.57E-07
1392	493777.3	3860602.55	1.59E-06	8.76E-07	-7.15E-07	3.50E-07	1.96E-07	-1.53E-07	1.62E-07	9.07E-08	-7.09E-08	3.50E-07	1.96E-07	-1.53E-07
1393	493827.3	3860602.55	1.56E-06	8.60E-07	-7.02E-07	3.43E-07	1.93E-07	-1.51E-07	1.59E-07	8.90E-08	-6.96E-08	3.43E-07	1.93E-07	-1.51E-07
1394	493877.3	3860602.55	1.53E-06	8.40E-07	-6.86E-07	3.35E-07	1.88E-07	-1.47E-07	1.55E-07	8.69E-08	-6.80E-08	3.35E-07	1.88E-07	-1.47E-07
1395	493927.3	3860602.55	1.50E-06	8.23E-07	-6.73E-07	3.29E-07	1.84E-07	-1.44E-07	1.52E-07	8.52E-08	-6.67E-08	3.29E-07	1.84E-07	-1.44E-07
1396	493977.3	3860602.55	1.47E-06	8.07E-07	-6.60E-07	3.22E-07	1.81E-07	-1.42E-07	1.49E-07	8.35E-08	-6.54E-08	3.22E-07	1.81E-07	-1.42E-07
1397	494027.3	3860602.55	1.45E-06	7.96E-07	-6.51E-07	3.18E-07	1.78E-07	-1.40E-07	1.47E-07	8.24E-08	-6.46E-08	3.18E-07	1.78E-07	-1.40E-07
1398	493627.3	3860652.55	1.75E-06	9.65E-07	-7.86E-07	3.85E-07	2.16E-07	-1.69E-07	1.78E-07	9.98E-08	-7.79E-08	3.85E-07	2.16E-07	-1.69E-07
1399	493727.3	3860652.55	1.70E-06	9.36E-07	-7.64E-07	3.74E-07	2.10E-07	-1.64E-07	1.73E-07	9.69E-08	-7.57E-08	3.74E-07	2.10E-07	-1.64E-07
1400	493777.3	3860652.55	1.66E-06	9.15E-07	-7.46E-07	3.65E-07	2.05E-07	-1.60E-07	1.69E-07	9.47E-08	-7.40E-08	3.65E-07	2.05E-07	-1.60E-07
1401	493827.3	3860652.55	1.62E-06	8.95E-07	-7.30E-07	3.57E-07	2.00E-07	-1.57E-07	1.65E-07	9.26E-08	-7.24E-08	3.57E-07	2.00E-07	-1.57E-07
1402	493877.3	3860652.55	1.59E-06	8.73E-07	-7.13E-07	3.48E-07	1.96E-07	-1.53E-07	1.61E-07	9.04E-08	-7.07E-08	3.48E-07	1.96E-07	-1.53E-07
1403	493927.3	3860652.55	1.56E-06	8.57E-07	-6.99E-07	3.42E-07	1.92E-07	-1.50E-07	1.58E-07	8.87E-08	-6.94E-08	3.42E-07	1.92E-07	-1.50E-07
1404	493977.3	3860652.55	1.53E-06	8.42E-07	-6.87E-07	3.36E-07	1.89E-07	-1.47E-07	1.55E-07	8.71E-08	-6.82E-08	3.36E-07	1.89E-07	-1.47E-07
1405	494027.3	3860652.55	1.50E-06	8.24E-07	-6.73E-07	3.29E-07	1.84E-07	-1.44E-07	1.52E-07	8.52E-08	-6.67E-08	3.29E-07	1.84E-07	-1.44E-07
1406	494311.1	3858401.99	4.17E-07	2.29E-07	-1.88E-07	9.17E-08	5.13E-08	-4.04E-08	4.24E-08	2.37E-08	-1.87E-08	9.17E-08	5.13E-08	-4.04E-08
1407	494361.1	3858401.99	4.14E-07	2.27E-07	-1.87E-07	9.09E-08	5.08E-08	-4.01E-08	4.20E-08	2.35E-08	-1.85E-08	9.09E-08	5.08E-08	-4.01E-08
1408	494411.1	3858401.99	4.10E-07	2.25E-07	-1.85E-07	9.01E-08	5.04E-08	-3.97E-08	4.17E-08	2.33E-08	-1.83E-08	9.01E-08	5.04E-08	-3.97E-08
1409	494461.1	3858401.99	4.08E-07	2.24E-07	-1.84E-07	8.97E-08	5.02E-08	-3.95E-08	4.15E-08	2.32E-08	-1.83E-08	8.97E-08	5.02E-08	-3.95E-08
1410	494511.1	3858401.99	4.06E-07	2.23E-07	-1.83E-07	8.91E-08	4.98E-08	-3.93E-08	4.12E-08	2.30E-08	-1.82E-08	8.91E-08	4.98E-08	-3.93E-08
1411	494561.1	3858401.99	4.04E-07	2.22E-07	-1.82E-07	8.87E-08	4.96E-08	-3.91E-08	4.10E-08	2.29E-08	-1.81E-08	8.87E-08	4.96E-08	-3.91E-08
1412	494611.1	3858401.99	4.00E-07	2.20E-07	-1.80E-07	8.79E-08	4.92E-08	-3.87E-08	4.06E-08	2.27E-08	-1.79E-08	8.79E-08	4.92E-08	-3.87E-08
1413	494661.1	3858401.99	3.98E-07	2.18E-07	-1.79E-07	8.74E-08	4.89E-08	-3.85E-08	4.04E-08	2.26E-08	-1.78E-08	8.74E-08	4.89E-08	-3.85E-08
1414	494711.1	3858401.99	3.94E-07	2.16E-07	-1.78E-07	8.66E-08	4.84E-08	-3.81E-08	4.00E-08	2.24E-08	-1.76E-08	8.66E-08	4.84E-08	-3.81E-08
1415	494761.1	3858401.99	3.92E-07	2.15E-07	-1.77E-07	8.62E-08	4.82E-08	-3.79E-08	3.98E-08	2.23E-08	-1.75E-08	8.62E-08	4.82E-08	-3.79E-08
1416	494811.1	3858401.99	3.89E-07	2.14E-07	-1.76E-07	8.56E-08	4.78E-08	-3.77E-08	3.96E-08	2.21E-08	-1.74E-08	8.56E-08	4.78E-08	-3.77E-08
1417	494861.1	3858401.99	3.87E-07	2.12E-07	-1.74E-07	8.50E-08	4.76E-08	-3.74E-08	3.93E-08	2.20E-08	-1.73E-08	8.50E-08	4.76E-08	-3.74E-08
1418	494911.1	3858401.99	3.84E-07	2.11E-07	-1.73E-07	8.44E-08	4.72E-08	-3.72E-08	3.90E-08	2.18E-08	-1.72E-08	8.44E-08	4.72E-08	-3.72E-08
1419	494961.1	3858401.99	3.81E-07	2.09E-07	-1.72E-07	8.38E-08	4.69E-08	-3.69E-08	3.87E-08	2.17E-08	-1.71E-08	8.38E-08	4.69E-08	-3.69E-08
1420	495011.1	3858401.99	3.79E-07	2.08E-07	-1.71E-07	8.32E-08	4.65E-08	-3.67E-08	3.85E-08	2.15E-08	-1.70E-08	8.32E-08	4.65E-08	-3.67E-08
1421	495061.1	3858401.99	3.76E-07	2.06E-07	-1.70E-07	8.26E-08	4.62E-08	-3.64E-08	3.82E-08	2.13E-08	-1.68E-08	8.26E-08	4.62E-08	-3.64E-08
1422	495111.1	3858401.99	3.72E-07	2.04E-07	-1.68E-07	8.16E-08	4.56E-08	-3.60E-08	3.77E-08	2.11E-08	-1.66E-08	8.16E-08	4.56E-08	-3.60E-08
1423	495161.1	3858401.99	3.70E-07	2.03E-07	-1.67E-07	8.12E-08	4.54E-08	-3.58E-08	3.75E-08	2.10E-08	-1.65E-08	8.12E-08	4.54E-08	-3.58E-08
1424	495211.1	3858401.99	3.66E-07	2.01E-07	-1.65E-07	8.04E-08	4.49E-08	-3.55E-08	3.72E-08	2.08E-08	-1.64E-08	8.04E-08	4.49E-08	-3.55E-08
1425	495261.1	3858401.99	3.63E-07	1.99E-07	-1.64E-07	7.98E-08	4.47E-08	-3.52E-08	3.69E-08	2.06E-08	-1.63E-08	7.98E-08	4.47E-08	-3.52E-08
1426	495311.1	3858401.99	3.62E-07	1.98E-07	-1.63E-07	7.94E-08	4.44E-08	-3.51E-08	3.67E-08	2.05E-08	-1.62E-08	7.94E-08	4.44E-08	-3.51E-08
1427	495361.1	3858401.99	3.60E-07	1.97E-07	-1.63E-07	7.91E-08	4.42E-08	-3.49E-08	3.65E-08	2.04E-08	-1.61E-08	7.91E-08	4.42E-08	-3.49E-08
1428	495411.1	3858401.99	3.58E-07	1.97E-07	-1.62E-07	7.87E-08	4.40E-08	-3.47E-08	3.64E-08	2.03E-08	-1.60E-08	7.87E-08	4.40E-08	-3.47E-08
1429	495461.1	3858401.99	3.57E-07	1.96E-07	-1.61E-07	7.85E-08	4.39E-08	-3.46E-08	3.63E-08	2.03E-08	-1.60E-08	7.85E-08	4.39E-08	-3.46E-08
1430	495511.1	3858401.99	3.56E-07	1.95E-07	-1.61E-07	7.83E-08	4.37E-08	-3.45E-08	3.62E-08	2.02E-08	-1.60E-08	7.83E-08	4.37E-08	-3.45E-08
1431	495561.1	3858401.99	3.54E-07	1.94E-07	-1.59E-07	7.77E-08	4.34E-08	-3.42E-08	3.59E-08	2.01E-08	-1.58E-08	7.77E-08	4.34E-08	-3.42E-08
1432	495611.1	3858401.99	3.53E-07	1.93E-07	-1.59E-07	7.75E-08	4.33E-08	-3.42E-08	3.58E-08	2.00E-08	-1.58E-08	7.75E-08	4.33E-08	-3.42E-08
1433	495661.1	3858401.99	3.54E-07	1.94E-07	-1.60E-07	7.77E-08	4.34E-08	-3.43E-08	3.59E-08	2.01E-08	-1.58E-08	7.77E-08	4.34E-08	-3.43E-08
1434	494311.1	3858451.99	4.27E-07	2.35E-07	-1.93E-07	9.39E-08	5.26E-08	-4.13E-08	4.34E-08	2.43E-08	-1.91E-08	9.39E-08	5.26E-08	-4.13E-08
1435	494361.1	3858451.99	4.24E-07	2.33E-07	-1.91E-07	9.31E-08	5.21E-08	-4.10E-08	4.30E-08	2.41E-08	-1.89E-08	9.31E-08	5.21E-08	-4.10E-08
1436	494411.1	3858451.99	4.21E-07	2.31E-07	-1.90E-07	9.25E-08	5.17E-08	-4.08E-08	4.27E-08	2.39E-08	-1.88E-08	9.25E-08	5.17E-08	-4.08E-08
1437	494461.1	3858451.99	4.17E-07	2.29E-07	-1.88E-07	9.17E-08	5.13E-08	-4.04E-08	4.24E-08	2.37E-08	-1.87E-08	9.17E-08	5.13E-08	-4.04E-08
1438	494511.1	3858451.99	4.16E-07	2.28E-07	-1.87E-07	9.13E-08	5.11E-08	-4.02E-08	4.22E-08	2.36E-08	-1.86E-08	9.13E-08	5.11E-08	-4.02E-08
1439	494561.1	3858451.99	4.12E-07	2.26E-07	-1.86E-07	9.05E-08	5.07E-08	-3.98E-08	4.18E-08	2.34E-08	-1.84E-08	9.05E-08	5.07E-08	-3.98E-08
1440	494611.1	3858451.99	4.09E-07	2.25E-07	-1.84E-07	8.99E-08	5.03E-08	-3.96E-08	4.16E-08	2.33E-08	-1.83E-08	8.99E-08	5.03E-08	-3.96E-08
1441	494661.1	3858451.99	4.07E-07	2.23E-07	-1.83E-07	8.93E-08	5.00E-08	-3.93E-08	4.13E-08	2.31E-08	-1.82E-08	8.93E-08	5.00E-08	-3.93E-08
1442	494711.1	3858451.99	4.03E-07	2.22E-07	-1.81E-07	8.85E-08	4.96E-08	-3.89E-08	4.09E-08	2.29E-08	-1.80E-08	8.85E-08	4.96E-08	-3.89E-08
1443	494761.1	3858451.99	4.00E-07	2.20E-07	-1.80E-07	8.79E-08	4.92E-08	-3.87E-08	4.06E-08	2.27E-08	-1.79E-08	8.79E-08	4.92E-08	-3.87E-08
1444	494811.1	3858451.99	3.98E-07	2.18E-07	-1.79E-07	8.74E-08	4.89E-08	-3.85E-08	4.04E-08	2.26E-08	-1.78E-08	8.74E-08	4.89E-08	-3.85E-08
1445	494861.1	3858451.99	3.94E-07	2.16E-07	-1.78E-07	8.66E-08	4.84E-08	-3.81E-08	4.00E-08	2.24E-08	-1.76E-08	8.66E-08	4.84E-08	-3.81E-08
1446	494911.1	3858451.99	3.90E-07	2.14E-07	-1.76E-07	8.58E-08	4.80E-08	-3.78E-08	3.96E-08	2.22E-08	-1.75E-08	8.58E-08	4.80E-08	-3.78E-08
1447	494961.1	3858451.99	3.88E-07	2.13E-07	-1.75E-07	8.52E-08	4.77E-08	-3.75E-08	3.94E-08	2.20E-08	-1.73E-08	8.52E-08	4.77E-08	-3.75E-08
1448	495011.1	3858451.99	3.84E-07	2.11E-07	-1.73E-07	8.44E-08	4.72E-08	-3.72E-08	3.90E-08	2.18E-08	-1.72E-08	8.44E-08	4.72E-08	-3.72E-08
1449	495061.1	3858451.99	3.82E-07	2.10E-07	-1.72E-07	8.40E-08	4.70E-08	-3.70E-08	3.88E-08	2.17E-08	-1.71E-08	8.40E-08	4.70E-08	-3.70E-08
1450	495111.1	3858451.99	3.79E-07	2.08E-07	-1.71E-07	8.32E-08	4.66E-08	-3.66E-08	3.85E-08	2.15E-08	-1.69E-08	8.32E-08	4.66E-08	-3.66E-08
1451	495161.1	3858451.99	3.75E-07	2.06E-07	-1.69E-07	8.24E-08	4.61E-08	-3.63E-08	3.81E-08	2.13E-08	-1.68E-08	8.24E-08	4.61E-08	-3.63E-08
1452	495211.1	3858451.99	3.72E-07	2.04E-07	-1.68E-07	8.18E-08	4.57E-08	-3.61E-08	3.78E-08	2.11E-08	-1.67E-08	8.18E-08	4.57E-08	-3.61E-08
1453	495261.1	3858451.99	3.70E-07	2.03E-07	-1.67E-07	8.12E-08	4.54E-08	-3.58E-08	3.75E-08	2.10E-08	-1.66E-08	8.12E-08	4.54E-08	-3.58E-08
1454	495311.1	3858451.99	3.67E-07	2.01E-07	-1.66E-07	8.06E-08	4.51E-08	-3.55E-08	3.73E-08	2.08E-08	-1.64E-08	8.06E-08	4.51E-08	-3.55E-08
1455	495361.1	3858451.99	3.65E-07	2.00E-07	-1.65E-07	8.02E-08	4.49E-08	-3.54E-08	3.71E-08	2.07E-08	-1.63E-08	8.02E-08	4.49E-08	-3.54E-08
1456	495411.1	3858451.99	3.64E-07	2.00E-07	-1.64E-07	8.00E-08	4.48E-08	-3.53E-08	3.70E-08	2.07E-08	-1.63E-08	8.00E-08	4.48E-08	-3.53E-08
1457	495461.1	3858451.99	3.63E-07	1.99E-07	-1.64E-07	7.98E-08	4.47E-08	-3.52E-08	3.69E-08	2.06E-08	-1.63E-08	7.98E-08	4.47E-08	-3.52E-08
1458	495511.1	3858451.99	3.62E-07	1.98E-07	-1.63E-07	7.94E-08	4.44E-08	-3.50E-08	3.67E-08	2.05E-08	-1.62E-08	7.94E-08	4.44E-08	-3.50E-08
1459	495561.1	3858451.99	3.61E-07	1.98E-07	-1.63E-07	7.93E-08	4.43E-08	-3.49E-08	3.66E-08	2.05E-08	-1.61E-08	7.93E-08	4.43E-08	-3.49E-08
1460	495611.1	3858451.99	3.59E-07	1.97E-07	-1.62E-07	7.89E-08	4.41E-08	-3.47E-08	3.64E-08	2.04E-08	-1.61E-08	7.89E-08	4.41E-08	-3.47E-08
1461	495661.1	3858451.99	3.58E-07	1.97E-07	-1.62E-07	7.87E-08	4.40E-08	-3.47E-08	3.64E-08	2.03E-08	-1.60E-08	7.87E-08	4.40E-08	-3.47E-08
1462	494311.1	3858501.99	4.35E-07	2.39E-07	-1.96E-07	9.57E-08	5.35E-08	-4.22E-08	4.42E-08	2.47E-08	-1.95E-08	9.57E-08	5.35E-08	-4.22E-08
1463	494361.1	3858501.99	4.33E-07	2.37E-07	-1.95E-07	9.51E-08	5.32E-08	-4.19E-08	4.39E-08	2.46E-08	-1.94E-08	9.51E-08	5.32E-08	-4.19E-08
1464	494411.1	3858501.99	4.29E-07	2.35E-07	-1.94E-07	9.43E-08	5.27E-08	-4.15E-08	4.36E-08	2.44E-08	-1.92E-08	9.43E-08	5.27E-08	-4.15E-08
1465	494461.1	3858501.99	4.26E-07	2.34E-07	-1.92E-07	9.37E-08	5.24E-08	-4.12E-08	4.33E-08	2.42E-08	-1.91E-08	9.37E-08	5.24E-08	-4.12E-08
1466	494511.1	3858501.99	4.23E-07	2.32E-07	-1.91E-07	9.29E-08	5.19E-08	-4.09E-08	4.29E-08	2.40E-08	-1.89E-08	9.29E-08	5.19E-08	-4.09E-08
1467	494561.1	3858501.99	4.22E-07	2.32E-07	-1.90E-07	9.27E-08	5.19E-08	-4.08E-08	4.28E-08	2.40E-08	-1.89E-08	9.27E-08	5.19E-08	-4.08E-08
1468	494611.1	3858501.99	4.18E-07	2.30E-07	-1.89E-07	9.19E-08	5.14E-08	-4.05E-08	4.25E-08	2.38E-08	-1.87E-08	9.19E-08	5.14E-08	-4.05E-08

1469	494661.1	3858501.99	4.16E-07	2.28E-07	-1.87E-07	9.13E-08	5.11E-08	-4.02E-08	4.22E-08	2.36E-08	-1.86E-08	9.13E-08	5.11E-08	-4.02E-08
1470	494711.1	3858501.99	4.12E-07	2.26E-07	-1.86E-07	9.05E-08	5.07E-08	-3.98E-08	4.18E-08	2.34E-08	-1.84E-08	9.05E-08	5.07E-08	-3.98E-08
1471	494761.1	3858501.99	4.08E-07	2.24E-07	-1.84E-07	8.97E-08	5.02E-08	-3.95E-08	4.15E-08	2.32E-08	-1.83E-08	8.97E-08	5.02E-08	-3.95E-08
1472	494811.1	3858501.99	4.05E-07	2.22E-07	-1.82E-07	8.89E-08	4.98E-08	-3.92E-08	4.11E-08	2.30E-08	-1.81E-08	8.89E-08	4.98E-08	-3.92E-08
1473	494861.1	3858501.99	4.02E-07	2.21E-07	-1.81E-07	8.83E-08	4.94E-08	-3.89E-08	4.08E-08	2.29E-08	-1.80E-08	8.83E-08	4.94E-08	-3.89E-08
1474	494911.1	3858501.99	3.98E-07	2.18E-07	-1.79E-07	8.74E-08	4.89E-08	-3.85E-08	4.04E-08	2.26E-08	-1.78E-08	8.74E-08	4.89E-08	-3.85E-08
1475	494961.1	3858501.99	3.95E-07	2.17E-07	-1.78E-07	8.68E-08	4.86E-08	-3.82E-08	4.01E-08	2.24E-08	-1.77E-08	8.68E-08	4.86E-08	-3.82E-08
1476	495011.1	3858501.99	3.91E-07	2.15E-07	-1.76E-07	8.60E-08	4.81E-08	-3.79E-08	3.97E-08	2.22E-08	-1.75E-08	8.60E-08	4.81E-08	-3.79E-08
1477	495061.1	3858501.99	3.89E-07	2.13E-07	-1.75E-07	8.54E-08	4.78E-08	-3.76E-08	3.95E-08	2.21E-08	-1.74E-08	8.54E-08	4.78E-08	-3.76E-08
1478	495111.1	3858501.99	3.84E-07	2.11E-07	-1.73E-07	8.44E-08	4.72E-08	-3.72E-08	3.90E-08	2.18E-08	-1.72E-08	8.44E-08	4.72E-08	-3.72E-08
1479	495161.1	3858501.99	3.81E-07	2.09E-07	-1.72E-07	8.38E-08	4.68E-08	-3.70E-08	3.87E-08	2.16E-08	-1.71E-08	8.38E-08	4.68E-08	-3.70E-08
1480	495211.1	3858501.99	3.78E-07	2.07E-07	-1.70E-07	8.30E-08	4.64E-08	-3.66E-08	3.84E-08	2.15E-08	-1.69E-08	8.30E-08	4.64E-08	-3.66E-08
1481	495261.1	3858501.99	3.76E-07	2.06E-07	-1.70E-07	8.26E-08	4.62E-08	-3.64E-08	3.82E-08	2.13E-08	-1.68E-08	8.26E-08	4.62E-08	-3.64E-08
1482	495311.1	3858501.99	3.74E-07	2.05E-07	-1.69E-07	8.22E-08	4.59E-08	-3.63E-08	3.80E-08	2.12E-08	-1.68E-08	8.22E-08	4.59E-08	-3.63E-08
1483	495361.1	3858501.99	3.72E-07	2.04E-07	-1.68E-07	8.18E-08	4.57E-08	-3.61E-08	3.78E-08	2.11E-08	-1.67E-08	8.18E-08	4.57E-08	-3.61E-08
1484	495411.1	3858501.99	3.71E-07	2.03E-07	-1.67E-07	8.14E-08	4.56E-08	-3.59E-08	3.76E-08	2.11E-08	-1.66E-08	8.14E-08	4.56E-08	-3.59E-08
1485	495461.1	3858501.99	3.70E-07	2.03E-07	-1.67E-07	8.12E-08	4.54E-08	-3.58E-08	3.75E-08	2.10E-08	-1.65E-08	8.12E-08	4.54E-08	-3.58E-08
1486	495511.1	3858501.99	3.68E-07	2.02E-07	-1.66E-07	8.08E-08	4.52E-08	-3.56E-08	3.74E-08	2.09E-08	-1.65E-08	8.08E-08	4.52E-08	-3.56E-08
1487	495561.1	3858501.99	3.68E-07	2.02E-07	-1.66E-07	8.08E-08	4.52E-08	-3.56E-08	3.74E-08	2.09E-08	-1.65E-08	8.08E-08	4.52E-08	-3.56E-08
1488	495611.1	3858501.99	3.65E-07	2.00E-07	-1.65E-07	8.02E-08	4.49E-08	-3.54E-08	3.71E-08	2.07E-08	-1.63E-08	8.02E-08	4.49E-08	-3.54E-08
1489	495661.1	3858501.99	3.64E-07	2.00E-07	-1.64E-07	8.00E-08	4.48E-08	-3.52E-08	3.70E-08	2.07E-08	-1.63E-08	8.00E-08	4.48E-08	-3.52E-08
1490	494311.1	3858551.99	4.38E-07	2.40E-07	-1.98E-07	9.62E-08	5.38E-08	-4.24E-08	4.45E-08	2.49E-08	-1.96E-08	9.62E-08	5.38E-08	-4.24E-08
1491	494361.1	3858551.99	4.38E-07	2.40E-07	-1.98E-07	9.62E-08	5.38E-08	-4.24E-08	4.45E-08	2.49E-08	-1.96E-08	9.62E-08	5.38E-08	-4.24E-08
1492	494411.1	3858551.99	4.39E-07	2.41E-07	-1.98E-07	9.64E-08	5.39E-08	-4.25E-08	4.46E-08	2.49E-08	-1.96E-08	9.64E-08	5.39E-08	-4.25E-08
1493	494461.1	3858551.99	4.37E-07	2.40E-07	-1.97E-07	9.61E-08	5.37E-08	-4.23E-08	4.44E-08	2.48E-08	-1.96E-08	9.61E-08	5.37E-08	-4.23E-08
1494	494511.1	3858551.99	4.34E-07	2.38E-07	-1.96E-07	9.55E-08	5.34E-08	-4.21E-08	4.41E-08	2.47E-08	-1.94E-08	9.55E-08	5.34E-08	-4.21E-08
1495	494561.1	3858551.99	4.32E-07	2.37E-07	-1.95E-07	9.49E-08	5.31E-08	-4.18E-08	4.38E-08	2.45E-08	-1.93E-08	9.49E-08	5.31E-08	-4.18E-08
1496	494611.1	3858551.99	4.29E-07	2.36E-07	-1.93E-07	9.43E-08	5.28E-08	-4.15E-08	4.36E-08	2.44E-08	-1.92E-08	9.43E-08	5.28E-08	-4.15E-08
1497	494661.1	3858551.99	4.26E-07	2.34E-07	-1.92E-07	9.37E-08	5.24E-08	-4.12E-08	4.33E-08	2.42E-08	-1.91E-08	9.37E-08	5.24E-08	-4.12E-08
1498	494711.1	3858551.99	4.22E-07	2.32E-07	-1.90E-07	9.27E-08	5.19E-08	-4.08E-08	4.28E-08	2.40E-08	-1.89E-08	9.27E-08	5.19E-08	-4.08E-08
1499	494761.1	3858551.99	4.17E-07	2.29E-07	-1.88E-07	9.17E-08	5.13E-08	-4.04E-08	4.24E-08	2.37E-08	-1.87E-08	9.17E-08	5.13E-08	-4.04E-08
1500	494811.1	3858551.99	4.14E-07	2.28E-07	-1.86E-07	9.09E-08	5.09E-08	-4.00E-08	4.20E-08	2.35E-08	-1.85E-08	9.09E-08	5.09E-08	-4.00E-08
1501	494861.1	3858551.99	4.10E-07	2.25E-07	-1.85E-07	9.01E-08	5.04E-08	-3.97E-08	4.17E-08	2.33E-08	-1.83E-08	9.01E-08	5.04E-08	-3.97E-08
1502	494911.1	3858551.99	4.06E-07	2.23E-07	-1.83E-07	8.91E-08	4.99E-08	-3.92E-08	4.12E-08	2.31E-08	-1.81E-08	8.91E-08	4.99E-08	-3.92E-08
1503	494961.1	3858551.99	4.02E-07	2.21E-07	-1.81E-07	8.83E-08	4.95E-08	-3.88E-08	4.08E-08	2.29E-08	-1.80E-08	8.83E-08	4.95E-08	-3.88E-08
1504	495011.1	3858551.99	3.98E-07	2.19E-07	-1.79E-07	8.74E-08	4.89E-08	-3.84E-08	4.04E-08	2.26E-08	-1.78E-08	8.74E-08	4.89E-08	-3.84E-08
1505	495061.1	3858551.99	3.95E-07	2.17E-07	-1.78E-07	8.68E-08	4.86E-08	-3.82E-08	4.01E-08	2.25E-08	-1.76E-08	8.68E-08	4.86E-08	-3.82E-08
1506	495111.1	3858551.99	3.90E-07	2.14E-07	-1.76E-07	8.58E-08	4.80E-08	-3.78E-08	3.96E-08	2.22E-08	-1.75E-08	8.58E-08	4.80E-08	-3.78E-08
1507	495161.1	3858551.99	3.87E-07	2.12E-07	-1.74E-07	8.50E-08	4.76E-08	-3.74E-08	3.93E-08	2.20E-08	-1.73E-08	8.50E-08	4.76E-08	-3.74E-08
1508	495211.1	3858551.99	3.84E-07	2.11E-07	-1.73E-07	8.44E-08	4.72E-08	-3.72E-08	3.90E-08	2.18E-08	-1.72E-08	8.44E-08	4.72E-08	-3.72E-08
1509	495261.1	3858551.99	3.81E-07	2.09E-07	-1.72E-07	8.38E-08	4.69E-08	-3.69E-08	3.87E-08	2.17E-08	-1.71E-08	8.38E-08	4.69E-08	-3.69E-08
1510	495311.1	3858551.99	3.80E-07	2.09E-07	-1.72E-07	8.36E-08	4.68E-08	-3.68E-08	3.86E-08	2.16E-08	-1.70E-08	8.36E-08	4.68E-08	-3.68E-08
1511	495361.1	3858551.99	3.79E-07	2.08E-07	-1.71E-07	8.32E-08	4.66E-08	-3.66E-08	3.85E-08	2.15E-08	-1.69E-08	8.32E-08	4.66E-08	-3.66E-08
1512	495411.1	3858551.99	3.78E-07	2.07E-07	-1.70E-07	8.30E-08	4.64E-08	-3.66E-08	3.84E-08	2.15E-08	-1.69E-08	8.30E-08	4.64E-08	-3.66E-08
1513	495461.1	3858551.99	3.76E-07	2.06E-07	-1.70E-07	8.26E-08	4.62E-08	-3.64E-08	3.82E-08	2.14E-08	-1.68E-08	8.26E-08	4.62E-08	-3.64E-08
1514	495511.1	3858551.99	3.75E-07	2.06E-07	-1.69E-07	8.24E-08	4.61E-08	-3.63E-08	3.81E-08	2.13E-08	-1.68E-08	8.24E-08	4.61E-08	-3.63E-08
1515	495561.1	3858551.99	3.73E-07	2.05E-07	-1.68E-07	8.20E-08	4.59E-08	-3.61E-08	3.79E-08	2.12E-08	-1.67E-08	8.20E-08	4.59E-08	-3.61E-08
1516	495611.1	3858551.99	3.72E-07	2.04E-07	-1.68E-07	8.18E-08	4.58E-08	-3.60E-08	3.78E-08	2.12E-08	-1.67E-08	8.18E-08	4.58E-08	-3.60E-08
1517	495661.1	3858551.99	3.71E-07	2.03E-07	-1.67E-07	8.14E-08	4.56E-08	-3.59E-08	3.76E-08	2.11E-08	-1.66E-08	8.14E-08	4.56E-08	-3.59E-08
1518	494311.1	3858601.99	4.37E-07	2.40E-07	-1.97E-07	9.61E-08	5.37E-08	-4.24E-08	4.44E-08	2.48E-08	-1.96E-08	9.61E-08	5.37E-08	-4.24E-08
1519	494361.1	3858601.99	4.43E-07	2.43E-07	-2.00E-07	9.74E-08	5.45E-08	-4.29E-08	4.50E-08	2.52E-08	-1.98E-08	9.74E-08	5.45E-08	-4.29E-08
1520	494411.1	3858601.99	4.50E-07	2.47E-07	-2.03E-07	9.88E-08	5.53E-08	-4.35E-08	4.57E-08	2.55E-08	-2.01E-08	9.88E-08	5.53E-08	-4.35E-08
1521	494461.1	3858601.99	4.47E-07	2.46E-07	-2.01E-07	9.82E-08	5.50E-08	-4.32E-08	4.54E-08	2.54E-08	-2.00E-08	9.82E-08	5.50E-08	-4.32E-08
1522	494511.1	3858601.99	4.43E-07	2.43E-07	-1.99E-07	9.72E-08	5.45E-08	-4.27E-08	4.49E-08	2.52E-08	-1.98E-08	9.72E-08	5.45E-08	-4.27E-08
1523	494561.1	3858601.99	4.43E-07	2.43E-07	-1.99E-07	9.72E-08	5.44E-08	-4.28E-08	4.49E-08	2.52E-08	-1.98E-08	9.72E-08	5.44E-08	-4.28E-08
1524	494611.1	3858601.99	4.39E-07	2.41E-07	-1.98E-07	9.64E-08	5.40E-08	-4.24E-08	4.46E-08	2.50E-08	-1.96E-08	9.64E-08	5.40E-08	-4.24E-08
1525	494661.1	3858601.99	4.35E-07	2.39E-07	-1.96E-07	9.57E-08	5.36E-08	-4.21E-08	4.42E-08	2.48E-08	-1.95E-08	9.57E-08	5.36E-08	-4.21E-08
1526	494711.1	3858601.99	4.32E-07	2.37E-07	-1.95E-07	9.49E-08	5.31E-08	-4.18E-08	4.38E-08	2.45E-08	-1.93E-08	9.49E-08	5.31E-08	-4.18E-08
1527	494761.1	3858601.99	4.27E-07	2.35E-07	-1.92E-07	9.39E-08	5.26E-08	-4.13E-08	4.34E-08	2.43E-08	-1.91E-08	9.39E-08	5.26E-08	-4.13E-08
1528	494811.1	3858601.99	4.22E-07	2.32E-07	-1.90E-07	9.27E-08	5.19E-08	-4.07E-08	4.28E-08	2.40E-08	-1.88E-08	9.27E-08	5.19E-08	-4.07E-08
1529	494861.1	3858601.99	4.18E-07	2.30E-07	-1.88E-07	9.19E-08	5.15E-08	-4.04E-08	4.25E-08	2.38E-08	-1.87E-08	9.19E-08	5.15E-08	-4.04E-08
1530	494911.1	3858601.99	4.14E-07	2.27E-07	-1.87E-07	9.09E-08	5.09E-08	-4.00E-08	4.20E-08	2.35E-08	-1.85E-08	9.09E-08	5.09E-08	-4.00E-08
1531	494961.1	3858601.99	4.09E-07	2.25E-07	-1.84E-07	8.99E-08	5.04E-08	-3.95E-08	4.16E-08	2.33E-08	-1.83E-08	8.99E-08	5.04E-08	-3.95E-08
1532	495011.1	3858601.99	4.06E-07	2.23E-07	-1.83E-07	8.91E-08	4.99E-08	-3.92E-08	4.12E-08	2.31E-08	-1.81E-08	8.91E-08	4.99E-08	-3.92E-08
1533	495061.1	3858601.99	4.02E-07	2.21E-07	-1.81E-07	8.83E-08	4.94E-08	-3.89E-08	4.08E-08	2.29E-08	-1.80E-08	8.83E-08	4.94E-08	-3.89E-08
1534	495111.1	3858601.99	3.97E-07	2.18E-07	-1.79E-07	8.72E-08	4.88E-08	-3.84E-08	4.03E-08	2.25E-08	-1.77E-08	8.72E-08	4.88E-08	-3.84E-08
1535	495161.1	3858601.99	3.94E-07	2.16E-07	-1.78E-07	8.66E-08	4.84E-08	-3.81E-08	4.00E-08	2.24E-08	-1.76E-08	8.66E-08	4.84E-08	-3.81E-08
1536	495211.1	3858601.99	3.91E-07	2.15E-07	-1.76E-07	8.60E-08	4.81E-08	-3.79E-08	3.97E-08	2.22E-08	-1.75E-08	8.60E-08	4.81E-08	-3.79E-08
1537	495261.1	3858601.99	3.89E-07	2.14E-07	-1.75E-07	8.54E-08	4.78E-08	-3.75E-08	3.95E-08	2.21E-08	-1.74E-08	8.54E-08	4.78E-08	-3.75E-08
1538	495311.1	3858601.99	3.87E-07	2.12E-07	-1.74E-07	8.50E-08	4.76E-08	-3.74E-08	3.93E-08	2.20E-08	-1.73E-08	8.50E-08	4.76E-08	-3.74E-08
1539	495361.1	3858601.99	3.85E-07	2.12E-07	-1.73E-07	8.46E-08	4.74E-08	-3.72E-08	3.91E-08	2.19E-08	-1.72E-08	8.46E-08	4.74E-08	-3.72E-08
1540	495411.1	3858601.99	3.84E-07	2.11E-07	-1.73E-07	8.44E-08	4.72E-08	-3.72E-08	3.90E-08	2.18E-08	-1.72E-08	8.44E-08	4.72E-08	-3.72E-08
1541	495461.1	3858601.99	3.82E-07	2.10E-07	-1.72E-07	8.40E-08	4.71E-08	-3.69E-08	3.88E-08	2.17E-08	-1.71E-08	8.40E-08	4.71E-08	-3.69E-08
1542	495511.1	3858601.99	3.80E-07	2.09E-07	-1.71E-07	8.36E-08	4.68E-08	-3.68E-08	3.86E-08	2.16E-08	-1.70E-08	8.36E-08	4.68E-08	-3.68E-08
1543	495561.1	3858601.99	3.80E-07	2.09E-07	-1.71E-07	8.34E-08	4.67E-08	-3.67E-08	3.85E-08	2.16E-08	-1.70E-08	8.34E-08	4.67E-08	-3.67E-08
1544	495611.1	3858601.99	3.78E-07	2.08E-07	-1.70E-07	8.30E-08	4.65E-08	-3.65E-08	3.84E-08	2.15E-08	-1.69E-08	8.30E-08	4.65E-08	-3.65E-08
1545	495661.1	3858601.99	3.76E-07	2.07E-07	-1.69E-07	8.26E-08	4.63E-08	-3.63E-08	3.82E-08	2.14E-08	-1.68E-08	8.26E-08	4.63E-08	-3.63E-08
1546	494311.1	3858651.99	4.43E-07	2.43E-07	-2.00E-07	9.72E-08	5.43E-08	-4.29E-08	4.49E-08	2.51E-08	-1.98E-08	9.72E-08	5.43E-08	-4.29E-08
1547	494361.1	3858651.99	4.49E-07	2.46E-07	-2.02E-07	9.86E-08	5.52E-08	-4.35E-08	4.56E-08	2.55E-08	-2.01E-08	9.86E-08	5.52E-08	-4.35E-08
1548	494411.1	3858651.99	4.57E-07	2.51E-07	-2.06E-07	1.00E-07	5.63E-08	-4.41E-08	4.64E-08	2.60E-08	-2.04E-08	1.00E-07	5.63E-08	-4.41E-08
1549	494461.1	3858651.99	4.58E-07	2.52E-07	-2.06E-07	1.01E-07	5.63E-08	-4.43E-08	4.65E-08	2.60E-08	-2.05E-08	1.01E-07	5.63E-08	-4.43E-08
1550	494511.1	3858651.99	4.55E-07	2.50E-07	-2.05E-07	1.00E-07	5.60E-08	-4.40E-08	4.62E-08	2.59E-08	-2.03E-08	1.00E-07	5.60E-08	-4.40E-08
1551	494561.1	3858651.99	4.52E-07	2.49E-07	-2.04E-07	9.94E-08	5.57E-08	-4.37E-08	4.59E-08	2.57E-08	-2.02E-08	9.94E-08	5.57E-08	-4.37E-08
1552	494611.1	3858651.99	4.50E-07	2.47E-07	-2.03E-07	9.88E-08	5.53E-08	-4.35E-08	4.57E-08	2.56E-08	-2.01E-08	9.88E-08	5.53E-08	-4.35E-08
1553	494661.1	3858651.99	4.45E-07	2.45E-07	-2.00E-07	9.78E-08	5.48E-08	-4.30E-08	4.52E-08	2.53E-08	-1.99E-08	9.78E-08	5.48E-08	-4.30E-08
1554	494711.1	3858651.99	4.41E-07	2.42E-07	-1.98E-07	9.68E-08	5.43E-08	-4.26E-08	4.48E-08	2.51E-08	-1.97E-08	9.68E-08	5.43E-08	-4.26E-08
1555	494761.1	3858651.99	4.37E-07	2.40E-07	-1.97E-07	9.61E-08	5.38E-08	-4.23E-08	4.44E-08	2.49E-08	-1.95E-08	9.61E-08	5.38E-08	-4.23E-08
1556	494811.1	3858651.99	4.32E-07	2.37E-07	-1.94E-07	9.49E-08	5.32E-08	-4.17E-08	4.38E-08	2.46E-08	-1.93E-08	9.49E-08	5.32E-08	-4.17E-08
1557	494861.1	3858651.99	4.27E-07	2.35E-07	-1.93E-07	9.39E-08	5.26E-08	-4.13E-08	4.34E-08	2.43E-08	-1.91E-08	9.39E-08	5.26E-08	-4.13E-08
1558	494911.1	3858651.99	4.22E-07	2.32E-07	-1.90E-07	9.27E-08	5.19E-08	-4.07E-08	4.28E-08	2.40E-08	-1.88E-08	9.27E-08	5.19E-08	-4.07E-08
1559	494961.1	3858651.99	4.17E-07	2.29E-07	-1.88E-07	9.17E-08	5.13E-08	-4.04E-08	4.24E-08	2.37E-08	-1.87E-08	9.17E-08	5.13E-08	-4.04E-08
1560	495011.1	3858651.99	4.14E-07	2.27E-07	-1.87E-07	9.09E-08	5.09E-08	-4.00E-08	4.20E-08	2.35E-08	-1.85E-08	9.09E-08	5.09E-08	-4.00E-08
1561	495061.1	3858651.99	4.09E-07	2.25E-07	-1.84E-07	8.99E-08	5.04E-08	-3.95E-08	4.16E-08	2.33E-08	-1.83E-08	8.99E-08	5.04E-08	-3.95E-08
1562	495111.1	3858651.99	4.05E-07	2.22E-07	-1.82E-07	8.89E-08	4.98E-08	-3.92E-08	4.11E-08	2.30E-08	-1.81E-08	8.89E-08	4.98E-08	-3.92E-08
1563	495161.1	3858651.99	4.01E-07	2.21E-07	-1.81E-07	8.81E-08	4.94E-08	-3.88E-08	4.07E-08	2.28E-08	-1.79E-08	8.81E-08	4.94E-08	-3.88E-08
1564	495211.1	3858651.99	3.98E-07	2.19E-07	-1.79E-07	8.74E-08	4.89E-08	-3.84E-08	4.04E-08	2.26E-08	-1.78E-08	8.74E-08	4.89E-08	-3.84E-08
1565	495261.1	3858651.99	3.96E-07	2.18E-07	-1.78E-07	8.70E-08	4.87E-08	-3.82E-08	4.02E-08	2.25E-08	-1.77E-08	8.70E-08	4.87E-08	-3.82E-08
1566	495311.1	3858651.99	3.94E-07	2.17E-07	-1.77E-07	8.66E-08	4.85E-08	-3.81E-08	4.00E-08	2.24E-08	-1.76E-08	8.66E-08	4.85E-08	-3.81E-08
1567	495361.1	3858651.99	3.92E-07	2.16E-07	-1.77E-07	8.62E-08	4.83E-08	-3.79E-08	3.98E-08	2.23E-08	-1.75E-08	8.62E-08	4.83E-08	-3.79E-08
1568	495411.1	3858651.99	3.91E-07	2.15E-07	-1.76E-07	8.60E-08	4.82E-08	-3.78E-08	3.97E-08	2.23E-08	-1.75E-08	8.60E-08	4.82E-08	-3.78E-08
1569	495461.1	3858651.99	3.90E-07	2.15E-07	-1.76E-07	8.58E-08	4.81E-08	-3.77E-08	3.96E-08	2.22E-08	-1.74E-08	8.58E-08	4.81E-08	-3.77E-08
1570	495511.1	3858651.99	3.88E-07	2.13E-07	-1.75E-07	8.52E-08	4.77E-08	-3.75E-08	3.94E-08	2.21E-08	-1.73E-08	8.52E-08	4.77E-08	-3.75E-08
1571	495561.1	3858651.99	3.86E-07	2.12E-07	-1.74E-07	8.48E-08	4.75E-08	-3.73E-08	3.92E-08	2.20E-08	-1.72E-08	8.48E-08	4.75E-08	-3.73E-08
1572	495611.1	3858651.99	3.83E-07	2.11E-07	-1.72E-07	8.42E-08	4.72E-08	-3.70E-08	3.89E-08	2.18E-08	-1.71E-08	8.42E-08	4.72E-08	-3.70E-08
1573	495661.1	3858651.99	3.82E-07	2.10E-07	-1.72E-07	8.40E-08	4.71E-08	-3.69E-08	3.88E-08	2.17E-08	-1.71E-08	8.40E-08	4.71E-08	-3.69E-08

1574	494311.1	3858701.99	4.53E-07	2.49E-07	-2.05E-07	9.96E-08	5.57E-08	-4.39E-08	4.60E-08	2.57E-08	-2.03E-08	9.96E-08	5.57E-08	-4.39E-08
1575	494361.1	3858701.99	4.62E-07	2.54E-07	-2.08E-07	1.02E-07	5.69E-08	-4.47E-08	4.69E-08	2.63E-08	-2.07E-08	1.02E-07	5.69E-08	-4.47E-08
1576	494411.1	3858701.99	4.68E-07	2.57E-07	-2.10E-07	1.03E-07	5.76E-08	-4.52E-08	4.75E-08	2.66E-08	-2.09E-08	1.03E-07	5.76E-08	-4.52E-08
1577	494461.1	3858701.99	4.66E-07	2.56E-07	-2.10E-07	1.02E-07	5.74E-08	-4.50E-08	4.73E-08	2.65E-08	-2.08E-08	1.02E-07	5.74E-08	-4.50E-08
1578	494511.1	3858701.99	4.66E-07	2.56E-07	-2.10E-07	1.02E-07	5.73E-08	-4.50E-08	4.73E-08	2.65E-08	-2.08E-08	1.02E-07	5.73E-08	-4.50E-08
1579	494561.1	3858701.99	4.62E-07	2.54E-07	-2.08E-07	1.02E-07	5.69E-08	-4.46E-08	4.69E-08	2.63E-08	-2.06E-08	1.02E-07	5.69E-08	-4.46E-08
1580	494611.1	3858701.99	4.57E-07	2.51E-07	-2.06E-07	1.00E-07	5.63E-08	-4.41E-08	4.64E-08	2.60E-08	-2.04E-08	1.00E-07	5.63E-08	-4.41E-08
1581	494661.1	3858701.99	4.55E-07	2.50E-07	-2.05E-07	1.00E-07	5.61E-08	-4.39E-08	4.62E-08	2.59E-08	-2.03E-08	1.00E-07	5.61E-08	-4.39E-08
1582	494711.1	3858701.99	4.44E-07	2.44E-07	-2.00E-07	9.76E-08	5.47E-08	-4.29E-08	4.51E-08	2.53E-08	-1.98E-08	9.76E-08	5.47E-08	-4.29E-08
1583	494761.1	3858701.99	4.45E-07	2.45E-07	-2.00E-07	9.78E-08	5.48E-08	-4.30E-08	4.52E-08	2.53E-08	-1.99E-08	9.78E-08	5.48E-08	-4.30E-08
1584	494811.1	3858701.99	4.40E-07	2.42E-07	-1.98E-07	9.66E-08	5.41E-08	-4.25E-08	4.47E-08	2.50E-08	-1.97E-08	9.66E-08	5.41E-08	-4.25E-08
1585	494861.1	3858701.99	4.35E-07	2.39E-07	-1.96E-07	9.57E-08	5.36E-08	-4.20E-08	4.42E-08	2.48E-08	-1.94E-08	9.57E-08	5.36E-08	-4.20E-08
1586	494911.1	3858701.99	4.32E-07	2.37E-07	-1.95E-07	9.49E-08	5.31E-08	-4.18E-08	4.38E-08	2.45E-08	-1.93E-08	9.49E-08	5.31E-08	-4.18E-08
1587	494961.1	3858701.99	4.25E-07	2.33E-07	-1.91E-07	9.33E-08	5.23E-08	-4.10E-08	4.31E-08	2.42E-08	-1.90E-08	9.33E-08	5.23E-08	-4.10E-08
1588	495011.1	3858701.99	4.20E-07	2.31E-07	-1.89E-07	9.23E-08	5.17E-08	-4.06E-08	4.27E-08	2.39E-08	-1.88E-08	9.23E-08	5.17E-08	-4.06E-08
1589	495061.1	3858701.99	4.17E-07	2.30E-07	-1.88E-07	9.17E-08	5.14E-08	-4.03E-08	4.24E-08	2.38E-08	-1.86E-08	9.17E-08	5.14E-08	-4.03E-08
1590	495111.1	3858701.99	4.12E-07	2.27E-07	-1.85E-07	9.05E-08	5.07E-08	-3.98E-08	4.18E-08	2.34E-08	-1.84E-08	9.05E-08	5.07E-08	-3.98E-08
1591	495161.1	3858701.99	4.09E-07	2.25E-07	-1.84E-07	8.99E-08	5.03E-08	-3.96E-08	4.16E-08	2.33E-08	-1.83E-08	8.99E-08	5.03E-08	-3.96E-08
1592	495211.1	3858701.99	4.06E-07	2.23E-07	-1.83E-07	8.91E-08	4.99E-08	-3.92E-08	4.12E-08	2.31E-08	-1.81E-08	8.91E-08	4.99E-08	-3.92E-08
1593	495261.1	3858701.99	4.04E-07	2.22E-07	-1.82E-07	8.87E-08	4.97E-08	-3.90E-08	4.10E-08	2.30E-08	-1.80E-08	8.87E-08	4.97E-08	-3.90E-08
1594	495311.1	3858701.99	4.02E-07	2.21E-07	-1.81E-07	8.83E-08	4.95E-08	-3.88E-08	4.08E-08	2.29E-08	-1.80E-08	8.83E-08	4.95E-08	-3.88E-08
1595	495361.1	3858701.99	4.00E-07	2.20E-07	-1.80E-07	8.79E-08	4.93E-08	-3.87E-08	4.06E-08	2.28E-08	-1.79E-08	8.79E-08	4.93E-08	-3.87E-08
1596	495411.1	3858701.99	3.99E-07	2.20E-07	-1.80E-07	8.78E-08	4.92E-08	-3.86E-08	4.06E-08	2.27E-08	-1.78E-08	8.78E-08	4.92E-08	-3.86E-08
1597	495461.1	3858701.99	3.98E-07	2.19E-07	-1.79E-07	8.74E-08	4.89E-08	-3.84E-08	4.04E-08	2.26E-08	-1.78E-08	8.74E-08	4.89E-08	-3.84E-08
1598	495511.1	3858701.99	3.95E-07	2.17E-07	-1.78E-07	8.68E-08	4.87E-08	-3.81E-08	4.01E-08	2.25E-08	-1.76E-08	8.68E-08	4.87E-08	-3.81E-08
1599	495561.1	3858701.99	3.93E-07	2.16E-07	-1.77E-07	8.64E-08	4.84E-08	-3.80E-08	3.99E-08	2.24E-08	-1.76E-08	8.64E-08	4.84E-08	-3.80E-08
1600	495611.1	3858701.99	3.90E-07	2.15E-07	-1.76E-07	8.58E-08	4.81E-08	-3.77E-08	3.96E-08	2.22E-08	-1.74E-08	8.58E-08	4.81E-08	-3.77E-08
1601	495661.1	3858701.99	3.89E-07	2.14E-07	-1.75E-07	8.54E-08	4.79E-08	-3.75E-08	3.95E-08	2.21E-08	-1.73E-08	8.54E-08	4.79E-08	-3.75E-08
1602	494311.1	3858751.99	4.63E-07	2.54E-07	-2.09E-07	1.02E-07	5.69E-08	-4.48E-08	4.70E-08	2.63E-08	-2.07E-08	1.02E-07	5.69E-08	-4.48E-08
1603	494361.1	3858751.99	4.76E-07	2.62E-07	-2.14E-07	1.05E-07	5.86E-08	-4.60E-08	4.83E-08	2.71E-08	-2.13E-08	1.05E-07	5.86E-08	-4.60E-08
1604	494411.1	3858751.99	4.80E-07	2.64E-07	-2.16E-07	1.06E-07	5.91E-08	-4.64E-08	4.88E-08	2.73E-08	-2.15E-08	1.06E-07	5.91E-08	-4.64E-08
1605	494461.1	3858751.99	4.78E-07	2.63E-07	-2.15E-07	1.05E-07	5.88E-08	-4.61E-08	4.85E-08	2.72E-08	-2.13E-08	1.05E-07	5.88E-08	-4.61E-08
1606	494511.1	3858751.99	4.79E-07	2.63E-07	-2.16E-07	1.05E-07	5.89E-08	-4.63E-08	4.86E-08	2.72E-08	-2.14E-08	1.05E-07	5.89E-08	-4.63E-08
1607	494561.1	3858751.99	4.72E-07	2.60E-07	-2.12E-07	1.04E-07	5.82E-08	-4.56E-08	4.80E-08	2.69E-08	-2.11E-08	1.04E-07	5.82E-08	-4.56E-08
1608	494611.1	3858751.99	4.68E-07	2.57E-07	-2.10E-07	1.03E-07	5.76E-08	-4.52E-08	4.75E-08	2.66E-08	-2.09E-08	1.03E-07	5.76E-08	-4.52E-08
1609	494661.1	3858751.99	4.63E-07	2.55E-07	-2.08E-07	1.02E-07	5.71E-08	-4.47E-08	4.70E-08	2.64E-08	-2.07E-08	1.02E-07	5.71E-08	-4.47E-08
1610	494711.1	3858751.99	4.57E-07	2.51E-07	-2.06E-07	1.00E-07	5.63E-08	-4.41E-08	4.64E-08	2.60E-08	-2.04E-08	1.00E-07	5.63E-08	-4.41E-08
1611	494761.1	3858751.99	4.55E-07	2.50E-07	-2.05E-07	1.00E-07	5.60E-08	-4.40E-08	4.62E-08	2.59E-08	-2.03E-08	1.00E-07	5.60E-08	-4.40E-08
1612	494811.1	3858751.99	4.49E-07	2.47E-07	-2.02E-07	9.86E-08	5.53E-08	-4.33E-08	4.56E-08	2.55E-08	-2.00E-08	9.86E-08	5.53E-08	-4.33E-08
1613	494861.1	3858751.99	4.43E-07	2.44E-07	-2.00E-07	9.74E-08	5.46E-08	-4.28E-08	4.50E-08	2.52E-08	-1.98E-08	9.74E-08	5.46E-08	-4.28E-08
1614	494911.1	3858751.99	4.38E-07	2.41E-07	-1.97E-07	9.62E-08	5.39E-08	-4.24E-08	4.45E-08	2.49E-08	-1.96E-08	9.62E-08	5.39E-08	-4.24E-08
1615	494961.1	3858751.99	4.34E-07	2.38E-07	-1.95E-07	9.53E-08	5.34E-08	-4.19E-08	4.40E-08	2.47E-08	-1.94E-08	9.53E-08	5.34E-08	-4.19E-08
1616	495011.1	3858751.99	4.30E-07	2.36E-07	-1.94E-07	9.45E-08	5.29E-08	-4.15E-08	4.37E-08	2.45E-08	-1.92E-08	9.45E-08	5.29E-08	-4.15E-08
1617	495061.1	3858751.99	4.25E-07	2.34E-07	-1.92E-07	9.35E-08	5.24E-08	-4.11E-08	4.32E-08	2.42E-08	-1.90E-08	9.35E-08	5.24E-08	-4.11E-08
1618	495111.1	3858751.99	4.21E-07	2.31E-07	-1.89E-07	9.25E-08	5.18E-08	-4.07E-08	4.27E-08	2.40E-08	-1.88E-08	9.25E-08	5.18E-08	-4.07E-08
1619	495161.1	3858751.99	4.17E-07	2.30E-07	-1.88E-07	9.17E-08	5.14E-08	-4.03E-08	4.24E-08	2.38E-08	-1.86E-08	9.17E-08	5.14E-08	-4.03E-08
1620	495211.1	3858751.99	4.14E-07	2.28E-07	-1.86E-07	9.09E-08	5.09E-08	-4.00E-08	4.20E-08	2.35E-08	-1.85E-08	9.09E-08	5.09E-08	-4.00E-08
1621	495261.1	3858751.99	4.12E-07	2.27E-07	-1.85E-07	9.05E-08	5.07E-08	-3.98E-08	4.18E-08	2.34E-08	-1.84E-08	9.05E-08	5.07E-08	-3.98E-08
1622	495311.1	3858751.99	4.10E-07	2.26E-07	-1.85E-07	9.01E-08	5.05E-08	-3.96E-08	4.17E-08	2.33E-08	-1.83E-08	9.01E-08	5.05E-08	-3.96E-08
1623	495361.1	3858751.99	4.08E-07	2.25E-07	-1.84E-07	8.97E-08	5.03E-08	-3.94E-08	4.15E-08	2.32E-08	-1.82E-08	8.97E-08	5.03E-08	-3.94E-08
1624	495411.1	3858751.99	4.07E-07	2.24E-07	-1.83E-07	8.95E-08	5.02E-08	-3.94E-08	4.14E-08	2.32E-08	-1.82E-08	8.95E-08	5.02E-08	-3.94E-08
1625	495461.1	3858751.99	4.06E-07	2.23E-07	-1.83E-07	8.91E-08	4.99E-08	-3.92E-08	4.12E-08	2.31E-08	-1.81E-08	8.91E-08	4.99E-08	-3.92E-08
1626	495511.1	3858751.99	4.03E-07	2.22E-07	-1.81E-07	8.85E-08	4.97E-08	-3.89E-08	4.09E-08	2.30E-08	-1.80E-08	8.85E-08	4.97E-08	-3.89E-08
1627	495561.1	3858751.99	4.00E-07	2.20E-07	-1.80E-07	8.79E-08	4.93E-08	-3.86E-08	4.06E-08	2.28E-08	-1.78E-08	8.79E-08	4.93E-08	-3.86E-08
1628	495611.1	3858751.99	3.98E-07	2.19E-07	-1.79E-07	8.74E-08	4.90E-08	-3.84E-08	4.04E-08	2.26E-08	-1.77E-08	8.74E-08	4.90E-08	-3.84E-08
1629	495661.1	3858751.99	3.96E-07	2.18E-07	-1.78E-07	8.70E-08	4.88E-08	-3.82E-08	4.02E-08	2.25E-08	-1.76E-08	8.70E-08	4.88E-08	-3.82E-08
1630	494311.1	3858801.99	4.78E-07	2.62E-07	-2.15E-07	1.05E-07	5.87E-08	-4.62E-08	4.85E-08	2.71E-08	-2.14E-08	1.05E-07	5.87E-08	-4.62E-08
1631	494361.1	3858801.99	4.89E-07	2.69E-07	-2.20E-07	1.08E-07	6.02E-08	-4.73E-08	4.97E-08	2.78E-08	-2.19E-08	1.08E-07	6.02E-08	-4.73E-08
1632	494411.1	3858801.99	4.90E-07	2.69E-07	-2.21E-07	1.08E-07	6.03E-08	-4.74E-08	4.98E-08	2.79E-08	-2.19E-08	1.08E-07	6.03E-08	-4.74E-08
1633	494461.1	3858801.99	4.90E-07	2.69E-07	-2.21E-07	1.08E-07	6.03E-08	-4.74E-08	4.98E-08	2.79E-08	-2.19E-08	1.08E-07	6.03E-08	-4.74E-08
1634	494511.1	3858801.99	4.90E-07	2.70E-07	-2.21E-07	1.08E-07	6.04E-08	-4.73E-08	4.98E-08	2.79E-08	-2.19E-08	1.08E-07	6.04E-08	-4.73E-08
1635	494561.1	3858801.99	4.88E-07	2.68E-07	-2.20E-07	1.07E-07	6.00E-08	-4.71E-08	4.95E-08	2.77E-08	-2.18E-08	1.07E-07	6.00E-08	-4.71E-08
1636	494611.1	3858801.99	4.83E-07	2.66E-07	-2.17E-07	1.06E-07	5.95E-08	-4.66E-08	4.90E-08	2.75E-08	-2.16E-08	1.06E-07	5.95E-08	-4.66E-08
1637	494661.1	3858801.99	4.78E-07	2.63E-07	-2.15E-07	1.05E-07	5.88E-08	-4.62E-08	4.85E-08	2.72E-08	-2.13E-08	1.05E-07	5.88E-08	-4.62E-08
1638	494711.1	3858801.99	4.71E-07	2.59E-07	-2.12E-07	1.04E-07	5.81E-08	-4.55E-08	4.79E-08	2.68E-08	-2.10E-08	1.04E-07	5.81E-08	-4.55E-08
1639	494761.1	3858801.99	4.64E-07	2.55E-07	-2.09E-07	1.02E-07	5.72E-08	-4.48E-08	4.71E-08	2.64E-08	-2.07E-08	1.02E-07	5.72E-08	-4.48E-08
1640	494811.1	3858801.99	4.57E-07	2.51E-07	-2.06E-07	1.00E-07	5.63E-08	-4.41E-08	4.64E-08	2.60E-08	-2.04E-08	1.00E-07	5.63E-08	-4.41E-08
1641	494861.1	3858801.99	4.52E-07	2.49E-07	-2.04E-07	9.94E-08	5.57E-08	-4.37E-08	4.59E-08	2.58E-08	-2.02E-08	9.94E-08	5.57E-08	-4.37E-08
1642	494911.1	3858801.99	4.47E-07	2.46E-07	-2.01E-07	9.82E-08	5.51E-08	-4.32E-08	4.54E-08	2.54E-08	-2.00E-08	9.82E-08	5.51E-08	-4.32E-08
1643	494961.1	3858801.99	4.43E-07	2.43E-07	-1.99E-07	9.72E-08	5.45E-08	-4.27E-08	4.49E-08	2.52E-08	-1.98E-08	9.72E-08	5.45E-08	-4.27E-08
1644	495011.1	3858801.99	4.38E-07	2.41E-07	-1.97E-07	9.62E-08	5.39E-08	-4.23E-08	4.45E-08	2.49E-08	-1.96E-08	9.62E-08	5.39E-08	-4.23E-08
1645	495061.1	3858801.99	4.34E-07	2.39E-07	-1.96E-07	9.55E-08	5.35E-08	-4.20E-08	4.41E-08	2.47E-08	-1.94E-08	9.55E-08	5.35E-08	-4.20E-08
1646	495111.1	3858801.99	4.29E-07	2.36E-07	-1.93E-07	9.43E-08	5.28E-08	-4.14E-08	4.36E-08	2.44E-08	-1.92E-08	9.43E-08	5.28E-08	-4.14E-08
1647	495161.1	3858801.99	4.25E-07	2.33E-07	-1.91E-07	9.33E-08	5.23E-08	-4.10E-08	4.31E-08	2.42E-08	-1.90E-08	9.33E-08	5.23E-08	-4.10E-08
1648	495211.1	3858801.99	4.22E-07	2.32E-07	-1.90E-07	9.27E-08	5.19E-08	-4.07E-08	4.28E-08	2.40E-08	-1.88E-08	9.27E-08	5.19E-08	-4.07E-08
1649	495261.1	3858801.99	4.20E-07	2.31E-07	-1.89E-07	9.23E-08	5.17E-08	-4.06E-08	4.27E-08	2.39E-08	-1.88E-08	9.23E-08	5.17E-08	-4.06E-08
1650	495311.1	3858801.99	4.18E-07	2.30E-07	-1.88E-07	9.19E-08	5.15E-08	-4.04E-08	4.25E-08	2.38E-08	-1.87E-08	9.19E-08	5.15E-08	-4.04E-08
1651	495361.1	3858801.99	4.16E-07	2.29E-07	-1.87E-07	9.15E-08	5.13E-08	-4.02E-08	4.23E-08	2.37E-08	-1.86E-08	9.15E-08	5.13E-08	-4.02E-08
1652	495411.1	3858801.99	4.16E-07	2.29E-07	-1.87E-07	9.13E-08	5.12E-08	-4.01E-08	4.22E-08	2.37E-08	-1.85E-08	9.13E-08	5.12E-08	-4.01E-08
1653	495461.1	3858801.99	4.14E-07	2.28E-07	-1.86E-07	9.09E-08	5.09E-08	-4.00E-08	4.20E-08	2.35E-08	-1.85E-08	9.09E-08	5.09E-08	-4.00E-08
1654	495511.1	3858801.99	4.11E-07	2.26E-07	-1.85E-07	9.03E-08	5.07E-08	-3.97E-08	4.17E-08	2.34E-08	-1.83E-08	9.03E-08	5.07E-08	-3.97E-08
1655	495561.1	3858801.99	4.09E-07	2.25E-07	-1.84E-07	8.99E-08	5.04E-08	-3.95E-08	4.16E-08	2.33E-08	-1.83E-08	8.99E-08	5.04E-08	-3.95E-08
1656	495611.1	3858801.99	4.06E-07	2.23E-07	-1.82E-07	8.91E-08	5.00E-08	-3.91E-08	4.12E-08	2.31E-08	-1.81E-08	8.91E-08	5.00E-08	-3.91E-08
1657	495661.1	3858801.99	4.04E-07	2.22E-07	-1.82E-07	8.87E-08	4.98E-08	-3.90E-08	4.10E-08	2.30E-08	-1.80E-08	8.87E-08	4.98E-08	-3.90E-08
1658	494311.1	3858851.99	5.01E-07	2.75E-07	-2.26E-07	1.10E-07	6.17E-08	-4.84E-08	5.09E-08	2.85E-08	-2.24E-08	1.10E-07	6.17E-08	-4.84E-08
1659	494361.1	3858851.99	5.07E-07	2.79E-07	-2.28E-07	1.11E-07	6.24E-08	-4.90E-08	5.15E-08	2.89E-08	-2.27E-08	1.11E-07	6.24E-08	-4.90E-08
1660	494411.1	3858851.99	5.05E-07	2.77E-07	-2.27E-07	1.11E-07	6.21E-08	-4.88E-08	5.12E-08	2.87E-08	-2.25E-08	1.11E-07	6.21E-08	-4.88E-08
1661	494461.1	3858851.99	5.03E-07	2.76E-07	-2.26E-07	1.10E-07	6.19E-08	-4.86E-08	5.11E-08	2.86E-08	-2.25E-08	1.10E-07	6.19E-08	-4.86E-08
1662	494511.1	3858851.99	5.03E-07	2.76E-07	-2.26E-07	1.10E-07	6.19E-08	-4.86E-08	5.11E-08	2.86E-08	-2.25E-08	1.10E-07	6.19E-08	-4.86E-08
1663	494561.1	3858851.99	4.99E-07	2.74E-07	-2.25E-07	1.10E-07	6.14E-08	-4.82E-08	5.07E-08	2.84E-08	-2.23E-08	1.10E-07	6.14E-08	-4.82E-08
1664	494611.1	3858851.99	4.94E-07	2.72E-07	-2.22E-07	1.09E-07	6.08E-08	-4.77E-08	5.01E-08	2.81E-08	-2.20E-08	1.09E-07	6.08E-08	-4.77E-08
1665	494661.1	3858851.99	4.88E-07	2.68E-07	-2.20E-07	1.07E-07	6.01E-08	-4.72E-08	4.96E-08	2.78E-08	-2.18E-08	1.07E-07	6.01E-08	-4.72E-08
1666	494711.1	3858851.99	4.80E-07	2.64E-07	-2.16E-07	1.06E-07	5.92E-08	-4.64E-08	4.88E-08	2.73E-08	-2.14E-08	1.06E-07	5.92E-08	-4.64E-08
1667	494761.1	3858851.99	4.73E-07	2.60E-07	-2.13E-07	1.04E-07	5.83E-08	-4.57E-08	4.80E-08	2.69E-08	-2.11E-08	1.04E-07	5.83E-08	-4.57E-08
1668	494811.1	3858851.99	4.68E-07	2.57E-07	-2.10E-07	1.03E-07	5.76E-08	-4.52E-08	4.75E-08	2.66E-08	-2.09E-08	1.03E-07	5.76E-08	-4.52E-08
1669	494861.1	3858851.99	4.63E-07	2.55E-07	-2.08E-07	1.02E-07	5.71E-08	-4.47E-08	4.70E-08	2.64E-08	-2.07E-08	1.02E-07	5.71E-08	-4.47E-08
1670	494911.1	3858851.99	4.57E-07	2.51E-07	-2.06E-07	1.00E-07	5.63E-08	-4.41E-08	4.64E-08	2.60E-08	-2.04E-08	1.00E-07	5.63E-08	-4.41E-08
1671	494961.1	3858851.99	4.52E-07	2.49E-07	-2.04E-07	9.94E-08	5.57E-08	-4.37E-08	4.59E-08	2.58E-08	-2.02E-08	9.94E-08	5.57E-08	-4.37E-08
1672	495011.1	3858851.99	4.48E-07	2.46E-07	-2.02E-07	9.84E-08	5.52E-08	-4.33E-08	4.55E-08	2.55E-08	-2.00E-08	9.84E-08	5.52E-08	-4.33E-08
1673	495061.1	3858851.99	4.43E-07	2.44E-07	-2.00E-07	9.74E-08	5.46E-08	-4.28E-08	4.50E-08	2.52E-08	-1.98E-08	9.74E-08	5.46E-08	-4.28E-08
1674	495111.1	3858851.99	4.36E-07	2.40E-07	-1.96E-07	9.59E-08	5.37E-08	-4.21E-08	4.43E-08	2.48E-08	-1.95E-08	9.59E-08	5.37E-08	-4.21E-08
1675	495161.1	3858851.99	4.32E-07	2.37E-07	-1.94E-07	9.49E-08	5.32E-08	-4.17E-08	4.38E-08	2.46E-08	-1.93E-08	9.49E-08	5.32E-08	-4.17E-08
1676	495211.1	3858851.99	4.31E-07	2.37E-07	-1.94E-07	9.47E-08	5.31E-08	-4.16E-08	4.38E-08	2.45E-08	-1.92E-08	9.47E-08	5.31E-08	-4.16E-08
1677	495261.1	3858851.99	4.29E-07	2.36E-07	-1.93E-07	9.43E-08	5.28E-08	-4.14E-08	4.36E-08	2.44E-08	-1.92E-08	9.43E-08	5.28E-08	-4.14E-08
1678	495311.1	3858851.99	4.27E-07	2.35E-07	-1.92E-07	9.39E-08	5.26E-08	-4.13E-08	4.34E-08	2.43E-08	-1.91E-08	9.39E-08	5.26E-08	-4.13E-08

1679	495361.1	3858851.99	4.25E-07	2.34E-07	-1.92E-07	9.35E-08	5.24E-08	-4.11E-08	4.32E-08	2.42E-08	-1.90E-08	9.35E-08	5.24E-08	-4.11E-08
1680	495411.1	3858851.99	4.24E-07	2.33E-07	-1.91E-07	9.31E-08	5.22E-08	-4.09E-08	4.30E-08	2.41E-08	-1.89E-08	9.31E-08	5.22E-08	-4.09E-08
1681	495461.1	3858851.99	4.22E-07	2.32E-07	-1.90E-07	9.27E-08	5.20E-08	-4.07E-08	4.28E-08	2.40E-08	-1.88E-08	9.27E-08	5.20E-08	-4.07E-08
1682	495511.1	3858851.99	4.19E-07	2.31E-07	-1.88E-07	9.21E-08	5.17E-08	-4.04E-08	4.26E-08	2.39E-08	-1.87E-08	9.21E-08	5.17E-08	-4.04E-08
1683	495561.1	3858851.99	4.16E-07	2.29E-07	-1.87E-07	9.15E-08	5.13E-08	-4.02E-08	4.23E-08	2.37E-08	-1.86E-08	9.15E-08	5.13E-08	-4.02E-08
1684	495611.1	3858851.99	4.13E-07	2.27E-07	-1.86E-07	9.07E-08	5.09E-08	-3.98E-08	4.19E-08	2.35E-08	-1.84E-08	9.07E-08	5.09E-08	-3.98E-08
1685	495661.1	3858851.99	4.11E-07	2.26E-07	-1.85E-07	9.03E-08	5.07E-08	-3.97E-08	4.17E-08	2.34E-08	-1.83E-08	9.03E-08	5.07E-08	-3.97E-08
1686	494311.1	3858901.99	5.17E-07	2.84E-07	-2.33E-07	1.14E-07	6.36E-08	-5.00E-08	5.25E-08	2.94E-08	-2.31E-08	1.14E-07	6.36E-08	-5.00E-08
1687	494361.1	3858901.99	5.21E-07	2.86E-07	-2.35E-07	1.14E-07	6.41E-08	-5.03E-08	5.29E-08	2.96E-08	-2.33E-08	1.14E-07	6.41E-08	-5.03E-08
1688	494411.1	3858901.99	5.19E-07	2.85E-07	-2.34E-07	1.14E-07	6.39E-08	-5.01E-08	5.27E-08	2.95E-08	-2.32E-08	1.14E-07	6.39E-08	-5.01E-08
1689	494461.1	3858901.99	5.20E-07	2.86E-07	-2.34E-07	1.14E-07	6.39E-08	-5.03E-08	5.28E-08	2.96E-08	-2.32E-08	1.14E-07	6.39E-08	-5.03E-08
1690	494511.1	3858901.99	5.17E-07	2.84E-07	-2.33E-07	1.14E-07	6.37E-08	-5.00E-08	5.25E-08	2.94E-08	-2.31E-08	1.14E-07	6.37E-08	-5.00E-08
1691	494561.1	3858901.99	5.12E-07	2.81E-07	-2.30E-07	1.12E-07	6.30E-08	-4.95E-08	5.20E-08	2.91E-08	-2.29E-08	1.12E-07	6.30E-08	-4.95E-08
1692	494611.1	3858901.99	5.04E-07	2.77E-07	-2.27E-07	1.11E-07	6.21E-08	-4.86E-08	5.12E-08	2.87E-08	-2.25E-08	1.11E-07	6.21E-08	-4.86E-08
1693	494661.1	3858901.99	4.99E-07	2.74E-07	-2.25E-07	1.10E-07	6.14E-08	-4.82E-08	5.07E-08	2.84E-08	-2.23E-08	1.10E-07	6.14E-08	-4.82E-08
1694	494711.1	3858901.99	4.92E-07	2.70E-07	-2.22E-07	1.08E-07	6.06E-08	-4.76E-08	5.00E-08	2.80E-08	-2.20E-08	1.08E-07	6.06E-08	-4.76E-08
1695	494761.1	3858901.99	4.84E-07	2.66E-07	-2.18E-07	1.06E-07	5.96E-08	-4.68E-08	4.91E-08	2.75E-08	-2.16E-08	1.06E-07	5.96E-08	-4.68E-08
1696	494811.1	3858901.99	4.79E-07	2.63E-07	-2.16E-07	1.05E-07	5.89E-08	-4.63E-08	4.86E-08	2.72E-08	-2.14E-08	1.05E-07	5.89E-08	-4.63E-08
1697	494861.1	3858901.99	4.74E-07	2.61E-07	-2.13E-07	1.04E-07	5.84E-08	-4.58E-08	4.81E-08	2.70E-08	-2.12E-08	1.04E-07	5.84E-08	-4.58E-08
1698	494911.1	3858901.99	4.66E-07	2.56E-07	-2.10E-07	1.02E-07	5.74E-08	-4.50E-08	4.73E-08	2.65E-08	-2.08E-08	1.02E-07	5.74E-08	-4.50E-08
1699	494961.1	3858901.99	4.61E-07	2.54E-07	-2.08E-07	1.01E-07	5.68E-08	-4.46E-08	4.69E-08	2.63E-08	-2.06E-08	1.01E-07	5.68E-08	-4.46E-08
1700	495011.1	3858901.99	4.57E-07	2.51E-07	-2.06E-07	1.00E-07	5.63E-08	-4.41E-08	4.64E-08	2.60E-08	-2.04E-08	1.00E-07	5.63E-08	-4.41E-08
1701	495061.1	3858901.99	4.51E-07	2.48E-07	-2.03E-07	9.90E-08	5.55E-08	-4.35E-08	4.58E-08	2.57E-08	-2.01E-08	9.90E-08	5.55E-08	-4.35E-08
1702	495111.1	3858901.99	4.43E-07	2.44E-07	-2.00E-07	9.74E-08	5.46E-08	-4.28E-08	4.50E-08	2.52E-08	-1.98E-08	9.74E-08	5.46E-08	-4.28E-08
1703	495161.1	3858901.99	4.40E-07	2.42E-07	-1.98E-07	9.66E-08	5.42E-08	-4.25E-08	4.47E-08	2.50E-08	-1.96E-08	9.66E-08	5.42E-08	-4.25E-08
1704	495211.1	3858901.99	4.40E-07	2.42E-07	-1.98E-07	9.66E-08	5.42E-08	-4.25E-08	4.47E-08	2.50E-08	-1.96E-08	9.66E-08	5.42E-08	-4.25E-08
1705	495261.1	3858901.99	4.38E-07	2.41E-07	-1.97E-07	9.62E-08	5.39E-08	-4.23E-08	4.45E-08	2.49E-08	-1.96E-08	9.62E-08	5.39E-08	-4.23E-08
1706	495311.1	3858901.99	4.35E-07	2.40E-07	-1.96E-07	9.57E-08	5.37E-08	-4.20E-08	4.42E-08	2.48E-08	-1.94E-08	9.57E-08	5.37E-08	-4.20E-08
1707	495361.1	3858901.99	4.34E-07	2.38E-07	-1.95E-07	9.53E-08	5.34E-08	-4.19E-08	4.40E-08	2.47E-08	-1.94E-08	9.53E-08	5.34E-08	-4.19E-08
1708	495411.1	3858901.99	4.33E-07	2.38E-07	-1.95E-07	9.51E-08	5.33E-08	-4.18E-08	4.39E-08	2.46E-08	-1.93E-08	9.51E-08	5.33E-08	-4.18E-08
1709	495461.1	3858901.99	4.30E-07	2.37E-07	-1.93E-07	9.45E-08	5.30E-08	-4.15E-08	4.37E-08	2.45E-08	-1.92E-08	9.45E-08	5.30E-08	-4.15E-08
1710	495511.1	3858901.99	4.27E-07	2.35E-07	-1.92E-07	9.39E-08	5.26E-08	-4.13E-08	4.34E-08	2.43E-08	-1.91E-08	9.39E-08	5.26E-08	-4.13E-08
1711	495561.1	3858901.99	4.25E-07	2.33E-07	-1.91E-07	9.33E-08	5.23E-08	-4.10E-08	4.31E-08	2.42E-08	-1.90E-08	9.33E-08	5.23E-08	-4.10E-08
1712	495611.1	3858901.99	4.21E-07	2.32E-07	-1.89E-07	9.25E-08	5.19E-08	-4.06E-08	4.27E-08	2.40E-08	-1.88E-08	9.25E-08	5.19E-08	-4.06E-08
1713	495661.1	3858901.99	4.20E-07	2.31E-07	-1.89E-07	9.23E-08	5.17E-08	-4.06E-08	4.27E-08	2.39E-08	-1.88E-08	9.23E-08	5.17E-08	-4.06E-08
1714	494311.1	3858951.99	5.37E-07	2.95E-07	-2.42E-07	1.18E-07	6.61E-08	-5.19E-08	5.45E-08	3.05E-08	-2.40E-08	1.18E-07	6.61E-08	-5.19E-08
1715	494361.1	3858951.99	5.37E-07	2.95E-07	-2.42E-07	1.18E-07	6.61E-08	-5.19E-08	5.45E-08	3.05E-08	-2.40E-08	1.18E-07	6.61E-08	-5.19E-08
1716	494411.1	3858951.99	5.33E-07	2.93E-07	-2.40E-07	1.17E-07	6.55E-08	-5.15E-08	5.41E-08	3.03E-08	-2.38E-08	1.17E-07	6.55E-08	-5.15E-08
1717	494461.1	3858951.99	5.33E-07	2.93E-07	-2.40E-07	1.17E-07	6.56E-08	-5.16E-08	5.42E-08	3.03E-08	-2.38E-08	1.17E-07	6.56E-08	-5.16E-08
1718	494511.1	3858951.99	5.30E-07	2.91E-07	-2.39E-07	1.16E-07	6.52E-08	-5.12E-08	5.38E-08	3.01E-08	-2.37E-08	1.16E-07	6.52E-08	-5.12E-08
1719	494561.1	3858951.99	5.24E-07	2.88E-07	-2.36E-07	1.15E-07	6.45E-08	-5.07E-08	5.33E-08	2.98E-08	-2.34E-08	1.15E-07	6.45E-08	-5.07E-08
1720	494611.1	3858951.99	5.17E-07	2.84E-07	-2.33E-07	1.14E-07	6.37E-08	-5.00E-08	5.25E-08	2.94E-08	-2.31E-08	1.14E-07	6.37E-08	-5.00E-08
1721	494661.1	3858951.99	5.10E-07	2.80E-07	-2.30E-07	1.12E-07	6.28E-08	-4.93E-08	5.18E-08	2.90E-08	-2.28E-08	1.12E-07	6.28E-08	-4.93E-08
1722	494711.1	3858951.99	5.02E-07	2.76E-07	-2.26E-07	1.10E-07	6.18E-08	-4.85E-08	5.10E-08	2.86E-08	-2.24E-08	1.10E-07	6.18E-08	-4.85E-08
1723	494761.1	3858951.99	4.95E-07	2.72E-07	-2.23E-07	1.09E-07	6.09E-08	-4.78E-08	5.02E-08	2.82E-08	-2.21E-08	1.09E-07	6.09E-08	-4.78E-08
1724	494811.1	3858951.99	4.90E-07	2.69E-07	-2.21E-07	1.08E-07	6.03E-08	-4.74E-08	4.98E-08	2.79E-08	-2.19E-08	1.08E-07	6.03E-08	-4.74E-08
1725	494861.1	3858951.99	4.85E-07	2.67E-07	-2.18E-07	1.07E-07	5.97E-08	-4.68E-08	4.92E-08	2.76E-08	-2.16E-08	1.07E-07	5.97E-08	-4.68E-08
1726	494911.1	3858951.99	4.79E-07	2.63E-07	-2.15E-07	1.05E-07	5.89E-08	-4.62E-08	4.86E-08	2.72E-08	-2.14E-08	1.05E-07	5.89E-08	-4.62E-08
1727	494961.1	3858951.99	4.74E-07	2.61E-07	-2.13E-07	1.04E-07	5.84E-08	-4.58E-08	4.81E-08	2.70E-08	-2.12E-08	1.04E-07	5.84E-08	-4.58E-08
1728	495011.1	3858951.99	4.65E-07	2.56E-07	-2.09E-07	1.02E-07	5.73E-08	-4.48E-08	4.72E-08	2.65E-08	-2.07E-08	1.02E-07	5.73E-08	-4.48E-08
1729	495061.1	3858951.99	4.57E-07	2.51E-07	-2.06E-07	1.00E-07	5.63E-08	-4.41E-08	4.64E-08	2.60E-08	-2.04E-08	1.00E-07	5.63E-08	-4.41E-08
1730	495111.1	3858951.99	4.51E-07	2.48E-07	-2.03E-07	9.90E-08	5.55E-08	-4.35E-08	4.58E-08	2.57E-08	-2.01E-08	9.90E-08	5.55E-08	-4.35E-08
1731	495161.1	3858951.99	4.52E-07	2.48E-07	-2.03E-07	9.92E-08	5.56E-08	-4.36E-08	4.59E-08	2.57E-08	-2.02E-08	9.92E-08	5.56E-08	-4.36E-08
1732	495211.1	3858951.99	4.50E-07	2.47E-07	-2.02E-07	9.88E-08	5.54E-08	-4.34E-08	4.57E-08	2.56E-08	-2.01E-08	9.88E-08	5.54E-08	-4.34E-08
1733	495261.1	3858951.99	4.47E-07	2.46E-07	-2.01E-07	9.82E-08	5.51E-08	-4.31E-08	4.54E-08	2.55E-08	-1.99E-08	9.82E-08	5.51E-08	-4.31E-08
1734	495311.1	3858951.99	4.43E-07	2.44E-07	-1.99E-07	9.74E-08	5.47E-08	-4.28E-08	4.50E-08	2.53E-08	-1.98E-08	9.74E-08	5.47E-08	-4.28E-08
1735	495361.1	3858951.99	4.43E-07	2.43E-07	-1.99E-07	9.72E-08	5.45E-08	-4.27E-08	4.49E-08	2.52E-08	-1.98E-08	9.72E-08	5.45E-08	-4.27E-08
1736	495411.1	3858951.99	4.41E-07	2.43E-07	-1.98E-07	9.68E-08	5.43E-08	-4.25E-08	4.48E-08	2.51E-08	-1.96E-08	9.68E-08	5.43E-08	-4.25E-08
1737	495461.1	3858951.99	4.39E-07	2.42E-07	-1.97E-07	9.64E-08	5.41E-08	-4.23E-08	4.46E-08	2.50E-08	-1.96E-08	9.64E-08	5.41E-08	-4.23E-08
1738	495511.1	3858951.99	4.37E-07	2.41E-07	-1.97E-07	9.61E-08	5.39E-08	-4.22E-08	4.44E-08	2.49E-08	-1.95E-08	9.61E-08	5.39E-08	-4.22E-08
1739	495561.1	3858951.99	4.33E-07	2.38E-07	-1.94E-07	9.51E-08	5.33E-08	-4.17E-08	4.39E-08	2.46E-08	-1.93E-08	9.51E-08	5.33E-08	-4.17E-08
1740	495611.1	3858951.99	4.29E-07	2.36E-07	-1.93E-07	9.43E-08	5.29E-08	-4.14E-08	4.36E-08	2.44E-08	-1.91E-08	9.43E-08	5.29E-08	-4.14E-08
1741	495661.1	3858951.99	4.28E-07	2.36E-07	-1.92E-07	9.41E-08	5.28E-08	-4.13E-08	4.35E-08	2.44E-08	-1.91E-08	9.41E-08	5.28E-08	-4.13E-08
1742	494311.1	3859001.99	5.55E-07	3.05E-07	-2.50E-07	1.22E-07	6.82E-08	-5.37E-08	5.64E-08	3.15E-08	-2.48E-08	1.22E-07	6.82E-08	-5.37E-08
1743	494361.1	3859001.99	5.52E-07	3.03E-07	-2.49E-07	1.21E-07	6.79E-08	-5.35E-08	5.61E-08	3.14E-08	-2.47E-08	1.21E-07	6.79E-08	-5.35E-08
1744	494411.1	3859001.99	5.51E-07	3.03E-07	-2.49E-07	1.21E-07	6.78E-08	-5.34E-08	5.60E-08	3.13E-08	-2.47E-08	1.21E-07	6.78E-08	-5.34E-08
1745	494461.1	3859001.99	5.48E-07	3.01E-07	-2.47E-07	1.20E-07	6.73E-08	-5.30E-08	5.56E-08	3.11E-08	-2.45E-08	1.20E-07	6.73E-08	-5.30E-08
1746	494511.1	3859001.99	5.43E-07	2.98E-07	-2.45E-07	1.19E-07	6.68E-08	-5.25E-08	5.52E-08	3.09E-08	-2.43E-08	1.19E-07	6.68E-08	-5.25E-08
1747	494561.1	3859001.99	5.36E-07	2.95E-07	-2.42E-07	1.18E-07	6.59E-08	-5.18E-08	5.44E-08	3.05E-08	-2.40E-08	1.18E-07	6.59E-08	-5.18E-08
1748	494611.1	3859001.99	5.30E-07	2.91E-07	-2.39E-07	1.16E-07	6.52E-08	-5.12E-08	5.38E-08	3.01E-08	-2.37E-08	1.16E-07	6.52E-08	-5.12E-08
1749	494661.1	3859001.99	5.22E-07	2.87E-07	-2.35E-07	1.15E-07	6.42E-08	-5.05E-08	5.30E-08	2.97E-08	-2.33E-08	1.15E-07	6.42E-08	-5.05E-08
1750	494711.1	3859001.99	5.13E-07	2.82E-07	-2.31E-07	1.13E-07	6.31E-08	-4.95E-08	5.21E-08	2.92E-08	-2.29E-08	1.13E-07	6.31E-08	-4.95E-08
1751	494761.1	3859001.99	5.07E-07	2.79E-07	-2.28E-07	1.11E-07	6.24E-08	-4.90E-08	5.15E-08	2.89E-08	-2.27E-08	1.11E-07	6.24E-08	-4.90E-08
1752	494811.1	3859001.99	5.03E-07	2.76E-07	-2.26E-07	1.10E-07	6.19E-08	-4.86E-08	5.11E-08	2.86E-08	-2.25E-08	1.10E-07	6.19E-08	-4.86E-08
1753	494861.1	3859001.99	4.97E-07	2.73E-07	-2.24E-07	1.09E-07	6.11E-08	-4.80E-08	5.04E-08	2.82E-08	-2.22E-08	1.09E-07	6.11E-08	-4.80E-08
1754	494911.1	3859001.99	4.90E-07	2.69E-07	-2.21E-07	1.08E-07	6.03E-08	-4.74E-08	4.98E-08	2.79E-08	-2.19E-08	1.08E-07	6.03E-08	-4.74E-08
1755	494961.1	3859001.99	4.84E-07	2.66E-07	-2.18E-07	1.06E-07	5.96E-08	-4.68E-08	4.91E-08	2.75E-08	-2.16E-08	1.06E-07	5.96E-08	-4.68E-08
1756	495011.1	3859001.99	4.70E-07	2.58E-07	-2.11E-07	1.03E-07	5.78E-08	-4.53E-08	4.77E-08	2.67E-08	-2.10E-08	1.03E-07	5.78E-08	-4.53E-08
1757	495061.1	3859001.99	4.66E-07	2.56E-07	-2.10E-07	1.02E-07	5.74E-08	-4.50E-08	4.73E-08	2.65E-08	-2.08E-08	1.02E-07	5.74E-08	-4.50E-08
1758	495111.1	3859001.99	4.60E-07	2.53E-07	-2.07E-07	1.01E-07	5.66E-08	-4.44E-08	4.67E-08	2.62E-08	-2.05E-08	1.01E-07	5.66E-08	-4.44E-08
1759	495161.1	3859001.99	4.61E-07	2.54E-07	-2.08E-07	1.01E-07	5.68E-08	-4.46E-08	4.69E-08	2.63E-08	-2.06E-08	1.01E-07	5.68E-08	-4.46E-08
1760	495211.1	3859001.99	4.59E-07	2.52E-07	-2.06E-07	1.01E-07	5.65E-08	-4.43E-08	4.66E-08	2.61E-08	-2.05E-08	1.01E-07	5.65E-08	-4.43E-08
1761	495261.1	3859001.99	4.57E-07	2.52E-07	-2.05E-07	1.00E-07	5.63E-08	-4.41E-08	4.64E-08	2.60E-08	-2.04E-08	1.00E-07	5.63E-08	-4.41E-08
1762	495311.1	3859001.99	4.54E-07	2.50E-07	-2.04E-07	9.98E-08	5.60E-08	-4.38E-08	4.61E-08	2.59E-08	-2.02E-08	9.98E-08	5.60E-08	-4.38E-08
1763	495361.1	3859001.99	4.52E-07	2.49E-07	-2.03E-07	9.94E-08	5.58E-08	-4.36E-08	4.59E-08	2.58E-08	-2.02E-08	9.94E-08	5.58E-08	-4.36E-08
1764	495411.1	3859001.99	4.51E-07	2.48E-07	-2.03E-07	9.90E-08	5.55E-08	-4.35E-08	4.58E-08	2.57E-08	-2.01E-08	9.90E-08	5.55E-08	-4.35E-08
1765	495461.1	3859001.99	4.49E-07	2.47E-07	-2.02E-07	9.86E-08	5.53E-08	-4.33E-08	4.56E-08	2.55E-08	-2.00E-08	9.86E-08	5.53E-08	-4.33E-08
1766	495511.1	3859001.99	4.44E-07	2.45E-07	-2.00E-07	9.76E-08	5.48E-08	-4.29E-08	4.51E-08	2.53E-08	-1.98E-08	9.76E-08	5.48E-08	-4.29E-08
1767	495561.1	3859001.99	4.42E-07	2.43E-07	-1.99E-07	9.70E-08	5.44E-08	-4.26E-08	4.48E-08	2.52E-08	-1.97E-08	9.70E-08	5.44E-08	-4.26E-08
1768	495611.1	3859001.99	4.38E-07	2.41E-07	-1.97E-07	9.62E-08	5.40E-08	-4.22E-08	4.45E-08	2.50E-08	-1.95E-08	9.62E-08	5.40E-08	-4.22E-08
1769	495661.1	3859001.99	4.38E-07	2.41E-07	-1.97E-07	9.62E-08	5.40E-08	-4.22E-08	4.45E-08	2.50E-08	-1.95E-08	9.62E-08	5.40E-08	-4.22E-08
1770	494311.1	3859051.99	5.72E-07	3.14E-07	-2.58E-07	1.26E-07	7.02E-08	-5.55E-08	5.81E-08	3.25E-08	-2.56E-08	1.26E-07	7.02E-08	-5.55E-08
1771	494361.1	3859051.99	5.72E-07	3.14E-07	-2.58E-07	1.26E-07	7.03E-08	-5.54E-08	5.81E-08	3.25E-08	-2.56E-08	1.26E-07	7.03E-08	-5.54E-08
1772	494411.1	3859051.99	5.67E-07	3.11E-07	-2.56E-07	1.25E-07	6.96E-08	-5.49E-08	5.75E-08	3.22E-08	-2.54E-08	1.25E-07	6.96E-08	-5.49E-08
1773	494461.1	3859051.99	5.61E-07	3.08E-07	-2.53E-07	1.23E-07	6.89E-08	-5.44E-08	5.70E-08	3.19E-08	-2.51E-08	1.23E-07	6.89E-08	-5.44E-08
1774	494511.1	3859051.99	5.55E-07	3.04E-07	-2.51E-07	1.22E-07	6.82E-08	-5.38E-08	5.64E-08	3.15E-08	-2.49E-08	1.22E-07	6.82E-08	-5.38E-08
1775	494561.1	3859051.99	5.49E-07	3.01E-07	-2.48E-07	1.21E-07	6.74E-08	-5.31E-08	5.57E-08	3.12E-08	-2.45E-08	1.21E-07	6.74E-08	-5.31E-08
1776	494611.1	3859051.99	5.42E-07	2.97E-07	-2.44E-07	1.19E-07	6.66E-08	-5.24E-08	5.50E-08	3.08E-08	-2.42E-08	1.19E-07	6.66E-08	-5.24E-08
1777	494661.1	3859051.99	5.33E-07	2.93E-07	-2.40E-07	1.17E-07	6.56E-08	-5.16E-08	5.42E-08	3.03E-08	-2.38E-08	1.17E-07	6.56E-08	-5.16E-08
1778	494711.1	3859051.99	5.26E-07	2.89E-07	-2.37E-07	1.16E-07	6.48E-08	-5.08E-08	5.34E-08	2.99E-08	-2.35E-08	1.16E-07	6.48E-08	-5.08E-08
1779	494761.1	3859051.99	5.19E-07	2.85E-07	-2.34E-07	1.14E-07	6.39E-08	-5.01E-08	5.27E-08	2.95E-08	-2.32E-08	1.14E-07	6.39E-08	-5.01E-08
1780	494811.1	3859051.99	5.14E-07	2.82E-07	-2.31E-07	1.13E-07	6.32E-08	-4.96E-08	5.22E-08	2.92E-08	-2.29E-08	1.13E-07	6.32E-08	-4.96E-08
1781	494861.1	3859051.99	5.08E-07	2.79E-07	-2.29E-07	1.12E-07	6.26E-08	-4.91E-08	5.16E-08	2.89E-08	-2.27E-08	1.12E-07	6.26E-08	-4.91E-08
1782	494911.1	3859051.99	5.00E-07	2.75E-07	-2.25E-07	1.10E-07	6.16E-08	-4.83E-08	5.08E-08	2.85E-08	-2.23E-08	1.10E-07	6.16E-08	-4.83E-08
1783	494961.1	3859051.99	4.90E-07	2.70E-07	-2.21E-07	1.08E-07	6.04E-08	-4.73E-08	4.98E-08	2.79E-08	-2.19E-08	1.08E-07	6.04E-08	-4.73E-08

1784	495011.1	3859051.99	4.82E-07	2.65E-07	-2.17E-07	1.06E-07	5.94E-08	-4.65E-08	4.90E-08	2.74E-08	-2.15E-08	1.06E-07	5.94E-08	-4.65E-08
1785	495061.1	3859051.99	4.77E-07	2.62E-07	-2.14E-07	1.05E-07	5.87E-08	-4.60E-08	4.84E-08	2.71E-08	-2.13E-08	1.05E-07	5.87E-08	-4.60E-08
1786	495111.1	3859051.99	4.72E-07	2.60E-07	-2.12E-07	1.04E-07	5.82E-08	-4.55E-08	4.80E-08	2.69E-08	-2.10E-08	1.04E-07	5.82E-08	-4.55E-08
1787	495161.1	3859051.99	4.72E-07	2.60E-07	-2.12E-07	1.04E-07	5.82E-08	-4.55E-08	4.80E-08	2.69E-08	-2.10E-08	1.04E-07	5.82E-08	-4.55E-08
1788	495211.1	3859051.99	4.69E-07	2.58E-07	-2.11E-07	1.03E-07	5.77E-08	-4.52E-08	4.76E-08	2.67E-08	-2.09E-08	1.03E-07	5.77E-08	-4.52E-08
1789	495261.1	3859051.99	4.68E-07	2.57E-07	-2.10E-07	1.03E-07	5.76E-08	-4.52E-08	4.75E-08	2.66E-08	-2.09E-08	1.03E-07	5.76E-08	-4.52E-08
1790	495311.1	3859051.99	4.64E-07	2.56E-07	-2.09E-07	1.02E-07	5.72E-08	-4.48E-08	4.71E-08	2.64E-08	-2.07E-08	1.02E-07	5.72E-08	-4.48E-08
1791	495361.1	3859051.99	4.62E-07	2.54E-07	-2.08E-07	1.02E-07	5.69E-08	-4.46E-08	4.69E-08	2.63E-08	-2.06E-08	1.02E-07	5.69E-08	-4.46E-08
1792	495411.1	3859051.99	4.61E-07	2.54E-07	-2.07E-07	1.01E-07	5.68E-08	-4.44E-08	4.68E-08	2.62E-08	-2.05E-08	1.01E-07	5.68E-08	-4.44E-08
1793	495461.1	3859051.99	4.59E-07	2.53E-07	-2.06E-07	1.01E-07	5.66E-08	-4.42E-08	4.66E-08	2.61E-08	-2.04E-08	1.01E-07	5.66E-08	-4.42E-08
1794	495511.1	3859051.99	4.54E-07	2.50E-07	-2.04E-07	9.98E-08	5.60E-08	-4.38E-08	4.61E-08	2.59E-08	-2.02E-08	9.98E-08	5.60E-08	-4.38E-08
1795	495561.1	3859051.99	4.51E-07	2.48E-07	-2.03E-07	9.90E-08	5.56E-08	-4.35E-08	4.58E-08	2.57E-08	-2.01E-08	9.90E-08	5.56E-08	-4.35E-08
1796	495611.1	3859051.99	4.47E-07	2.46E-07	-2.01E-07	9.82E-08	5.51E-08	-4.31E-08	4.54E-08	2.55E-08	-1.99E-08	9.82E-08	5.51E-08	-4.31E-08
1797	495661.1	3859051.99	4.47E-07	2.46E-07	-2.01E-07	9.82E-08	5.51E-08	-4.31E-08	4.54E-08	2.55E-08	-1.99E-08	9.82E-08	5.51E-08	-4.31E-08
1798	494311.1	3859101.99	5.93E-07	3.25E-07	-2.68E-07	1.30E-07	7.27E-08	-5.75E-08	6.02E-08	3.36E-08	-2.66E-08	1.30E-07	7.27E-08	-5.75E-08
1799	494361.1	3859101.99	5.87E-07	3.22E-07	-2.65E-07	1.29E-07	7.21E-08	-5.69E-08	5.96E-08	3.33E-08	-2.63E-08	1.29E-07	7.21E-08	-5.69E-08
1800	494411.1	3859101.99	5.84E-07	3.20E-07	-2.64E-07	1.28E-07	7.16E-08	-5.67E-08	5.93E-08	3.31E-08	-2.62E-08	1.28E-07	7.16E-08	-5.67E-08
1801	494461.1	3859101.99	5.77E-07	3.17E-07	-2.61E-07	1.27E-07	7.09E-08	-5.60E-08	5.86E-08	3.28E-08	-2.59E-08	1.27E-07	7.09E-08	-5.60E-08
1802	494511.1	3859101.99	5.68E-07	3.12E-07	-2.57E-07	1.25E-07	6.98E-08	-5.51E-08	5.77E-08	3.23E-08	-2.55E-08	1.25E-07	6.98E-08	-5.51E-08
1803	494561.1	3859101.99	5.62E-07	3.08E-07	-2.54E-07	1.24E-07	6.91E-08	-5.45E-08	5.71E-08	3.19E-08	-2.52E-08	1.24E-07	6.91E-08	-5.45E-08
1804	494611.1	3859101.99	5.53E-07	3.04E-07	-2.50E-07	1.22E-07	6.80E-08	-5.35E-08	5.62E-08	3.14E-08	-2.47E-08	1.22E-07	6.80E-08	-5.35E-08
1805	494661.1	3859101.99	5.47E-07	3.00E-07	-2.47E-07	1.20E-07	6.72E-08	-5.29E-08	5.55E-08	3.11E-08	-2.45E-08	1.20E-07	6.72E-08	-5.29E-08
1806	494711.1	3859101.99	5.37E-07	2.95E-07	-2.42E-07	1.18E-07	6.61E-08	-5.19E-08	5.45E-08	3.05E-08	-2.40E-08	1.18E-07	6.61E-08	-5.19E-08
1807	494761.1	3859101.99	5.33E-07	2.93E-07	-2.40E-07	1.17E-07	6.56E-08	-5.16E-08	5.42E-08	3.03E-08	-2.38E-08	1.17E-07	6.56E-08	-5.16E-08
1808	494811.1	3859101.99	5.26E-07	2.89E-07	-2.37E-07	1.16E-07	6.48E-08	-5.08E-08	5.34E-08	2.99E-08	-2.35E-08	1.16E-07	6.48E-08	-5.08E-08
1809	494861.1	3859101.99	5.20E-07	2.86E-07	-2.34E-07	1.14E-07	6.40E-08	-5.02E-08	5.28E-08	2.96E-08	-2.32E-08	1.14E-07	6.40E-08	-5.02E-08
1810	494911.1	3859101.99	5.12E-07	2.81E-07	-2.30E-07	1.12E-07	6.30E-08	-4.95E-08	5.20E-08	2.91E-08	-2.29E-08	1.12E-07	6.30E-08	-4.95E-08
1811	494961.1	3859101.99	5.01E-07	2.75E-07	-2.26E-07	1.10E-07	6.17E-08	-4.84E-08	5.09E-08	2.85E-08	-2.24E-08	1.10E-07	6.17E-08	-4.84E-08
1812	495011.1	3859101.99	4.89E-07	2.69E-07	-2.20E-07	1.08E-07	6.03E-08	-4.72E-08	4.97E-08	2.79E-08	-2.18E-08	1.08E-07	6.03E-08	-4.72E-08
1813	495061.1	3859101.99	4.88E-07	2.68E-07	-2.19E-07	1.07E-07	6.01E-08	-4.71E-08	4.95E-08	2.78E-08	-2.18E-08	1.07E-07	6.01E-08	-4.71E-08
1814	495111.1	3859101.99	4.83E-07	2.66E-07	-2.17E-07	1.06E-07	5.95E-08	-4.66E-08	4.90E-08	2.75E-08	-2.16E-08	1.06E-07	5.95E-08	-4.66E-08
1815	495161.1	3859101.99	4.83E-07	2.66E-07	-2.17E-07	1.06E-07	5.95E-08	-4.66E-08	4.90E-08	2.75E-08	-2.16E-08	1.06E-07	5.95E-08	-4.66E-08
1816	495211.1	3859101.99	4.79E-07	2.64E-07	-2.16E-07	1.05E-07	5.91E-08	-4.63E-08	4.87E-08	2.73E-08	-2.14E-08	1.05E-07	5.91E-08	-4.63E-08
1817	495261.1	3859101.99	4.78E-07	2.63E-07	-2.15E-07	1.05E-07	5.88E-08	-4.61E-08	4.85E-08	2.72E-08	-2.13E-08	1.05E-07	5.88E-08	-4.61E-08
1818	495311.1	3859101.99	4.74E-07	2.61E-07	-2.13E-07	1.04E-07	5.84E-08	-4.57E-08	4.81E-08	2.70E-08	-2.11E-08	1.04E-07	5.84E-08	-4.57E-08
1819	495361.1	3859101.99	4.74E-07	2.61E-07	-2.13E-07	1.04E-07	5.84E-08	-4.58E-08	4.81E-08	2.70E-08	-2.12E-08	1.04E-07	5.84E-08	-4.58E-08
1820	495411.1	3859101.99	4.71E-07	2.60E-07	-2.12E-07	1.04E-07	5.81E-08	-4.54E-08	4.79E-08	2.69E-08	-2.10E-08	1.04E-07	5.81E-08	-4.54E-08
1821	495461.1	3859101.99	4.67E-07	2.57E-07	-2.10E-07	1.03E-07	5.75E-08	-4.51E-08	4.74E-08	2.66E-08	-2.08E-08	1.03E-07	5.75E-08	-4.51E-08
1822	495511.1	3859101.99	4.64E-07	2.56E-07	-2.09E-07	1.02E-07	5.72E-08	-4.48E-08	4.71E-08	2.64E-08	-2.07E-08	1.02E-07	5.72E-08	-4.48E-08
1823	495561.1	3859101.99	4.61E-07	2.54E-07	-2.07E-07	1.01E-07	5.69E-08	-4.45E-08	4.69E-08	2.63E-08	-2.06E-08	1.01E-07	5.69E-08	-4.45E-08
1824	495611.1	3859101.99	4.58E-07	2.52E-07	-2.06E-07	1.01E-07	5.64E-08	-4.42E-08	4.65E-08	2.61E-08	-2.04E-08	1.01E-07	5.64E-08	-4.42E-08
1825	495661.1	3859101.99	4.56E-07	2.51E-07	-2.05E-07	1.00E-07	5.62E-08	-4.40E-08	4.63E-08	2.60E-08	-2.03E-08	1.00E-07	5.62E-08	-4.40E-08
1826	494311.1	3859151.99	6.10E-07	3.34E-07	-2.76E-07	1.34E-07	7.47E-08	-5.93E-08	6.19E-08	3.45E-08	-2.74E-08	1.34E-07	7.47E-08	-5.93E-08
1827	494361.1	3859151.99	6.05E-07	3.31E-07	-2.74E-07	1.33E-07	7.42E-08	-5.88E-08	6.15E-08	3.43E-08	-2.72E-08	1.33E-07	7.42E-08	-5.88E-08
1828	494411.1	3859151.99	5.98E-07	3.28E-07	-2.70E-07	1.31E-07	7.34E-08	-5.80E-08	6.07E-08	3.39E-08	-2.68E-08	1.31E-07	7.34E-08	-5.80E-08
1829	494461.1	3859151.99	5.91E-07	3.24E-07	-2.67E-07	1.30E-07	7.25E-08	-5.73E-08	6.00E-08	3.35E-08	-2.65E-08	1.30E-07	7.25E-08	-5.73E-08
1830	494511.1	3859151.99	5.82E-07	3.19E-07	-2.63E-07	1.28E-07	7.14E-08	-5.64E-08	5.91E-08	3.30E-08	-2.61E-08	1.28E-07	7.14E-08	-5.64E-08
1831	494561.1	3859151.99	5.76E-07	3.16E-07	-2.60E-07	1.26E-07	7.07E-08	-5.58E-08	5.85E-08	3.27E-08	-2.58E-08	1.26E-07	7.07E-08	-5.58E-08
1832	494611.1	3859151.99	5.67E-07	3.11E-07	-2.56E-07	1.25E-07	6.96E-08	-5.49E-08	5.75E-08	3.22E-08	-2.54E-08	1.25E-07	6.96E-08	-5.49E-08
1833	494661.1	3859151.99	5.60E-07	3.08E-07	-2.53E-07	1.23E-07	6.89E-08	-5.42E-08	5.69E-08	3.18E-08	-2.51E-08	1.23E-07	6.89E-08	-5.42E-08
1834	494711.1	3859151.99	5.55E-07	3.05E-07	-2.50E-07	1.22E-07	6.82E-08	-5.37E-08	5.64E-08	3.15E-08	-2.48E-08	1.22E-07	6.82E-08	-5.37E-08
1835	494761.1	3859151.99	5.46E-07	3.00E-07	-2.46E-07	1.20E-07	6.71E-08	-5.29E-08	5.54E-08	3.10E-08	-2.44E-08	1.20E-07	6.71E-08	-5.29E-08
1836	494811.1	3859151.99	5.38E-07	2.96E-07	-2.42E-07	1.18E-07	6.62E-08	-5.20E-08	5.46E-08	3.06E-08	-2.40E-08	1.18E-07	6.62E-08	-5.20E-08
1837	494861.1	3859151.99	5.33E-07	2.93E-07	-2.40E-07	1.17E-07	6.55E-08	-5.15E-08	5.41E-08	3.03E-08	-2.38E-08	1.17E-07	6.55E-08	-5.15E-08
1838	494911.1	3859151.99	5.23E-07	2.87E-07	-2.35E-07	1.15E-07	6.43E-08	-5.05E-08	5.31E-08	2.97E-08	-2.33E-08	1.15E-07	6.43E-08	-5.05E-08
1839	494961.1	3859151.99	5.10E-07	2.81E-07	-2.29E-07	1.12E-07	6.28E-08	-4.92E-08	5.18E-08	2.90E-08	-2.27E-08	1.12E-07	6.28E-08	-4.92E-08
1840	495011.1	3859151.99	5.01E-07	2.75E-07	-2.26E-07	1.10E-07	6.17E-08	-4.84E-08	5.09E-08	2.85E-08	-2.24E-08	1.10E-07	6.17E-08	-4.84E-08
1841	495061.1	3859151.99	4.98E-07	2.74E-07	-2.24E-07	1.09E-07	6.13E-08	-4.82E-08	5.06E-08	2.83E-08	-2.23E-08	1.09E-07	6.13E-08	-4.82E-08
1842	495111.1	3859151.99	4.95E-07	2.72E-07	-2.23E-07	1.09E-07	6.09E-08	-4.78E-08	5.02E-08	2.82E-08	-2.21E-08	1.09E-07	6.09E-08	-4.78E-08
1843	495161.1	3859151.99	4.95E-07	2.72E-07	-2.23E-07	1.09E-07	6.09E-08	-4.78E-08	5.02E-08	2.82E-08	-2.21E-08	1.09E-07	6.09E-08	-4.78E-08
1844	495211.1	3859151.99	4.91E-07	2.70E-07	-2.21E-07	1.08E-07	6.05E-08	-4.74E-08	4.99E-08	2.80E-08	-2.19E-08	1.08E-07	6.05E-08	-4.74E-08
1845	495261.1	3859151.99	4.88E-07	2.69E-07	-2.20E-07	1.07E-07	6.02E-08	-4.71E-08	4.96E-08	2.78E-08	-2.18E-08	1.07E-07	6.02E-08	-4.71E-08
1846	495311.1	3859151.99	4.86E-07	2.67E-07	-2.19E-07	1.07E-07	5.98E-08	-4.69E-08	4.93E-08	2.77E-08	-2.17E-08	1.07E-07	5.98E-08	-4.69E-08
1847	495361.1	3859151.99	4.83E-07	2.66E-07	-2.17E-07	1.06E-07	5.95E-08	-4.66E-08	4.90E-08	2.75E-08	-2.16E-08	1.06E-07	5.95E-08	-4.66E-08
1848	495411.1	3859151.99	4.83E-07	2.66E-07	-2.17E-07	1.06E-07	5.95E-08	-4.66E-08	4.90E-08	2.75E-08	-2.16E-08	1.06E-07	5.95E-08	-4.66E-08
1849	495461.1	3859151.99	4.80E-07	2.64E-07	-2.16E-07	1.06E-07	5.92E-08	-4.64E-08	4.88E-08	2.73E-08	-2.14E-08	1.06E-07	5.92E-08	-4.64E-08
1850	495511.1	3859151.99	4.76E-07	2.62E-07	-2.14E-07	1.05E-07	5.87E-08	-4.59E-08	4.83E-08	2.71E-08	-2.12E-08	1.05E-07	5.87E-08	-4.59E-08
1851	495561.1	3859151.99	4.72E-07	2.60E-07	-2.12E-07	1.04E-07	5.82E-08	-4.55E-08	4.80E-08	2.69E-08	-2.10E-08	1.04E-07	5.82E-08	-4.55E-08
1852	495611.1	3859151.99	4.69E-07	2.58E-07	-2.11E-07	1.03E-07	5.78E-08	-4.52E-08	4.76E-08	2.67E-08	-2.09E-08	1.03E-07	5.78E-08	-4.52E-08
1853	495661.1	3859151.99	4.66E-07	2.57E-07	-2.09E-07	1.02E-07	5.74E-08	-4.49E-08	4.73E-08	2.65E-08	-2.08E-08	1.02E-07	5.74E-08	-4.49E-08
1854	494311.1	3859201.99	6.28E-07	3.43E-07	-2.84E-07	1.38E-07	7.69E-08	-6.11E-08	6.38E-08	3.55E-08	-2.82E-08	1.38E-07	7.69E-08	-6.11E-08
1855	494361.1	3859201.99	6.22E-07	3.40E-07	-2.82E-07	1.37E-07	7.62E-08	-6.05E-08	6.32E-08	3.52E-08	-2.80E-08	1.37E-07	7.62E-08	-6.05E-08
1856	494411.1	3859201.99	6.15E-07	3.36E-07	-2.79E-07	1.35E-07	7.53E-08	-5.98E-08	6.25E-08	3.48E-08	-2.77E-08	1.35E-07	7.53E-08	-5.98E-08
1857	494461.1	3859201.99	6.05E-07	3.31E-07	-2.74E-07	1.33E-07	7.42E-08	-5.88E-08	6.15E-08	3.43E-08	-2.72E-08	1.33E-07	7.42E-08	-5.88E-08
1858	494511.1	3859201.99	5.98E-07	3.28E-07	-2.70E-07	1.31E-07	7.34E-08	-5.80E-08	6.07E-08	3.39E-08	-2.68E-08	1.31E-07	7.34E-08	-5.80E-08
1859	494561.1	3859201.99	5.89E-07	3.23E-07	-2.66E-07	1.29E-07	7.23E-08	-5.72E-08	5.98E-08	3.34E-08	-2.64E-08	1.29E-07	7.23E-08	-5.72E-08
1860	494611.1	3859201.99	5.81E-07	3.19E-07	-2.63E-07	1.28E-07	7.13E-08	-5.63E-08	5.90E-08	3.30E-08	-2.60E-08	1.28E-07	7.13E-08	-5.63E-08
1861	494661.1	3859201.99	5.75E-07	3.15E-07	-2.60E-07	1.26E-07	7.06E-08	-5.57E-08	5.84E-08	3.26E-08	-2.58E-08	1.26E-07	7.06E-08	-5.57E-08
1862	494711.1	3859201.99	5.68E-07	3.11E-07	-2.56E-07	1.25E-07	6.97E-08	-5.50E-08	5.76E-08	3.22E-08	-2.54E-08	1.25E-07	6.97E-08	-5.50E-08
1863	494761.1	3859201.99	5.59E-07	3.06E-07	-2.52E-07	1.23E-07	6.86E-08	-5.41E-08	5.67E-08	3.17E-08	-2.50E-08	1.23E-07	6.86E-08	-5.41E-08
1864	494811.1	3859201.99	5.51E-07	3.02E-07	-2.48E-07	1.21E-07	6.77E-08	-5.33E-08	5.59E-08	3.13E-08	-2.46E-08	1.21E-07	6.77E-08	-5.33E-08
1865	494861.1	3859201.99	5.41E-07	2.97E-07	-2.44E-07	1.19E-07	6.65E-08	-5.23E-08	5.49E-08	3.07E-08	-2.42E-08	1.19E-07	6.65E-08	-5.23E-08
1866	494911.1	3859201.99	5.32E-07	2.92E-07	-2.39E-07	1.17E-07	6.54E-08	-5.14E-08	5.40E-08	3.02E-08	-2.37E-08	1.17E-07	6.54E-08	-5.14E-08
1867	494961.1	3859201.99	5.22E-07	2.87E-07	-2.35E-07	1.15E-07	6.42E-08	-5.05E-08	5.30E-08	2.97E-08	-2.33E-08	1.15E-07	6.42E-08	-5.05E-08
1868	495011.1	3859201.99	5.08E-07	2.80E-07	-2.29E-07	1.12E-07	6.26E-08	-4.91E-08	5.16E-08	2.89E-08	-2.27E-08	1.12E-07	6.26E-08	-4.91E-08
1869	495061.1	3859201.99	5.11E-07	2.81E-07	-2.30E-07	1.12E-07	6.29E-08	-4.94E-08	5.19E-08	2.91E-08	-2.28E-08	1.12E-07	6.29E-08	-4.94E-08
1870	495111.1	3859201.99	5.08E-07	2.80E-07	-2.29E-07	1.12E-07	6.26E-08	-4.91E-08	5.16E-08	2.89E-08	-2.27E-08	1.12E-07	6.26E-08	-4.91E-08
1871	495161.1	3859201.99	5.06E-07	2.78E-07	-2.27E-07	1.11E-07	6.23E-08	-4.88E-08	5.13E-08	2.88E-08	-2.25E-08	1.11E-07	6.23E-08	-4.88E-08
1872	495211.1	3859201.99	5.02E-07	2.76E-07	-2.26E-07	1.10E-07	6.18E-08	-4.85E-08	5.10E-08	2.86E-08	-2.24E-08	1.10E-07	6.18E-08	-4.85E-08
1873	495261.1	3859201.99	5.00E-07	2.75E-07	-2.25E-07	1.10E-07	6.16E-08	-4.83E-08	5.08E-08	2.84E-08	-2.23E-08	1.10E-07	6.16E-08	-4.83E-08
1874	495311.1	3859201.99	4.97E-07	2.74E-07	-2.24E-07	1.09E-07	6.13E-08	-4.80E-08	5.05E-08	2.83E-08	-2.22E-08	1.09E-07	6.13E-08	-4.80E-08
1875	495361.1	3859201.99	4.95E-07	2.72E-07	-2.23E-07	1.09E-07	6.09E-08	-4.78E-08	5.02E-08	2.82E-08	-2.21E-08	1.09E-07	6.09E-08	-4.78E-08
1876	495411.1	3859201.99	4.94E-07	2.72E-07	-2.22E-07	1.09E-07	6.08E-08	-4.77E-08	5.01E-08	2.81E-08	-2.20E-08	1.09E-07	6.08E-08	-4.77E-08
1877	495461.1	3859201.99	4.91E-07	2.70E-07	-2.21E-07	1.08E-07	6.05E-08	-4.74E-08	4.99E-08	2.80E-08	-2.19E-08	1.08E-07	6.05E-08	-4.74E-08
1878	495511.1	3859201.99	4.88E-07	2.68E-07	-2.19E-07	1.07E-07	6.01E-08	-4.70E-08	4.95E-08	2.78E-08	-2.17E-08	1.07E-07	6.01E-08	-4.70E-08
1879	495561.1	3859201.99	4.83E-07	2.66E-07	-2.17E-07	1.06E-07	5.95E-08	-4.66E-08	4.90E-08	2.75E-08	-2.16E-08	1.06E-07	5.95E-08	-4.66E-08
1880	495611.1	3859201.99	4.79E-07	2.63E-07	-2.15E-07	1.05E-07	5.90E-08	-4.61E-08	4.86E-08	2.73E-08	-2.13E-08	1.05E-07	5.90E-08	-4.61E-08
1881	495661.1	3859201.99	4.76E-07	2.62E-07	-2.14E-07	1.05E-07	5.87E-08	-4.59E-08	4.83E-08	2.71E-08	-2.12E-08	1.05E-07	5.87E-08	-4.59E-08
1882	494311.1	3859251.99	6.46E-07	3.53E-07	-2.93E-07	1.42E-07	7.90E-08	-6.29E-08	6.56E-08	3.65E-08	-2.91E-08	1.42E-07	7.90E-08	-6.29E-08
1883	494361.1	3859251.99	6.39E-07	3.49E-07	-2.90E-07	1.40E-07	7.81E-08	-6.22E-08	6.49E-08	3.61E-08	-2.88E-08	1.40E-07	7.81E-08	-6.22E-08
1884	494411.1	3859251.99	6.28E-07	3.43E-07	-2.84E-07	1.38E-07	7.69E-08	-6.11E-08	6.38E-08	3.55E-08	-2.82E-08	1.38E-07	7.69E-08	-6.11E-08
1885	494461.1	3859251.99	6.22E-07	3.40E-07	-2.82E-07	1.37E-07	7.61E-08	-6.05E-08	6.31E-08	3.52E-08	-2.79E-08	1.37E-07	7.61E-08	-6.05E-08
1886	494511.1	3859251.99	6.10E-07	3.34E-07	-2.76E-07	1.34E-07	7.47E-08	-5.93E-08	6.19E-08	3.45E-08	-2.74E-08	1.34E-07	7.47E-08	-5.93E-08
1887	494561.1	3859251.99	6.03E-07	3.30E-07	-2.73E-07	1.32E-07	7.39E-08	-5.85E-08	6.12E-08	3.41E-08	-2.70E-08	1.32E-07	7.39E-08	-5.85E-08
1888	494611.1	3859251.99	5.94E-07	3.25E-07	-2.68E-07	1.30E-07	7.28E-08	-5.76E-08	6.03E-08	3.37E-08	-2.66E-08	1.30E-07	7.28E-08	-5.76E-08

1889	494661.1	3859251.99	5.88E-07	3.22E-07	-2.66E-07	1.29E-07	7.22E-08	-5.71E-08	5.97E-08	3.34E-08	-2.64E-08	1.29E-07	7.22E-08	-5.71E-08
1890	494711.1	3859251.99	5.81E-07	3.19E-07	-2.63E-07	1.28E-07	7.13E-08	-5.63E-08	5.90E-08	3.30E-08	-2.60E-08	1.28E-07	7.13E-08	-5.63E-08
1891	494761.1	3859251.99	5.67E-07	3.11E-07	-2.56E-07	1.25E-07	6.96E-08	-5.50E-08	5.75E-08	3.21E-08	-2.54E-08	1.25E-07	6.96E-08	-5.50E-08
1892	494811.1	3859251.99	5.64E-07	3.09E-07	-2.55E-07	1.24E-07	6.93E-08	-5.46E-08	5.73E-08	3.20E-08	-2.53E-08	1.24E-07	6.93E-08	-5.46E-08
1893	494861.1	3859251.99	5.50E-07	3.02E-07	-2.48E-07	1.21E-07	6.76E-08	-5.32E-08	5.58E-08	3.12E-08	-2.46E-08	1.21E-07	6.76E-08	-5.32E-08
1894	494911.1	3859251.99	5.42E-07	2.97E-07	-2.44E-07	1.19E-07	6.66E-08	-5.24E-08	5.50E-08	3.08E-08	-2.42E-08	1.19E-07	6.66E-08	-5.24E-08
1895	494961.1	3859251.99	5.34E-07	2.94E-07	-2.41E-07	1.17E-07	6.57E-08	-5.17E-08	5.43E-08	3.04E-08	-2.39E-08	1.17E-07	6.57E-08	-5.17E-08
1896	495011.1	3859251.99	5.27E-07	2.90E-07	-2.37E-07	1.16E-07	6.49E-08	-5.09E-08	5.35E-08	3.00E-08	-2.35E-08	1.16E-07	6.49E-08	-5.09E-08
1897	495061.1	3859251.99	5.25E-07	2.89E-07	-2.37E-07	1.15E-07	6.47E-08	-5.08E-08	5.33E-08	2.99E-08	-2.35E-08	1.15E-07	6.47E-08	-5.08E-08
1898	495111.1	3859251.99	5.22E-07	2.87E-07	-2.35E-07	1.15E-07	6.42E-08	-5.04E-08	5.30E-08	2.97E-08	-2.33E-08	1.15E-07	6.42E-08	-5.04E-08
1899	495161.1	3859251.99	5.19E-07	2.85E-07	-2.34E-07	1.14E-07	6.38E-08	-5.02E-08	5.27E-08	2.95E-08	-2.32E-08	1.14E-07	6.38E-08	-5.02E-08
1900	495211.1	3859251.99	5.15E-07	2.83E-07	-2.32E-07	1.13E-07	6.33E-08	-4.97E-08	5.22E-08	2.93E-08	-2.30E-08	1.13E-07	6.33E-08	-4.97E-08
1901	495261.1	3859251.99	5.10E-07	2.81E-07	-2.29E-07	1.12E-07	6.28E-08	-4.92E-08	5.18E-08	2.90E-08	-2.27E-08	1.12E-07	6.28E-08	-4.92E-08
1902	495311.1	3859251.99	5.10E-07	2.80E-07	-2.30E-07	1.12E-07	6.28E-08	-4.93E-08	5.18E-08	2.90E-08	-2.28E-08	1.12E-07	6.28E-08	-4.93E-08
1903	495361.1	3859251.99	5.06E-07	2.79E-07	-2.28E-07	1.11E-07	6.24E-08	-4.89E-08	5.14E-08	2.88E-08	-2.26E-08	1.11E-07	6.24E-08	-4.89E-08
1904	495411.1	3859251.99	5.06E-07	2.78E-07	-2.27E-07	1.11E-07	6.23E-08	-4.88E-08	5.13E-08	2.88E-08	-2.25E-08	1.11E-07	6.23E-08	-4.88E-08
1905	495461.1	3859251.99	5.03E-07	2.76E-07	-2.26E-07	1.10E-07	6.19E-08	-4.86E-08	5.11E-08	2.86E-08	-2.25E-08	1.10E-07	6.19E-08	-4.86E-08
1906	495511.1	3859251.99	4.97E-07	2.74E-07	-2.24E-07	1.09E-07	6.13E-08	-4.80E-08	5.05E-08	2.83E-08	-2.22E-08	1.09E-07	6.13E-08	-4.80E-08
1907	495561.1	3859251.99	4.94E-07	2.72E-07	-2.22E-07	1.09E-07	6.08E-08	-4.77E-08	5.01E-08	2.81E-08	-2.20E-08	1.09E-07	6.08E-08	-4.77E-08
1908	495611.1	3859251.99	4.88E-07	2.69E-07	-2.19E-07	1.07E-07	6.02E-08	-4.71E-08	4.96E-08	2.78E-08	-2.18E-08	1.07E-07	6.02E-08	-4.71E-08
1909	495661.1	3859251.99	4.86E-07	2.67E-07	-2.19E-07	1.07E-07	5.98E-08	-4.69E-08	4.93E-08	2.77E-08	-2.17E-08	1.07E-07	5.98E-08	-4.69E-08
1910	494311.1	3859301.99	6.64E-07	3.62E-07	-3.01E-07	1.46E-07	8.12E-08	-6.47E-08	6.74E-08	3.75E-08	-2.99E-08	1.46E-07	8.12E-08	-6.47E-08
1911	494361.1	3859301.99	6.55E-07	3.58E-07	-2.97E-07	1.44E-07	8.01E-08	-6.38E-08	6.65E-08	3.70E-08	-2.95E-08	1.44E-07	8.01E-08	-6.38E-08
1912	494411.1	3859301.99	6.45E-07	3.52E-07	-2.93E-07	1.42E-07	7.89E-08	-6.28E-08	6.55E-08	3.65E-08	-2.90E-08	1.42E-07	7.89E-08	-6.28E-08
1913	494461.1	3859301.99	6.34E-07	3.47E-07	-2.87E-07	1.39E-07	7.77E-08	-6.17E-08	6.44E-08	3.59E-08	-2.85E-08	1.39E-07	7.77E-08	-6.17E-08
1914	494511.1	3859301.99	6.25E-07	3.42E-07	-2.83E-07	1.37E-07	7.66E-08	-6.08E-08	6.35E-08	3.54E-08	-2.81E-08	1.37E-07	7.66E-08	-6.08E-08
1915	494561.1	3859301.99	6.18E-07	3.38E-07	-2.80E-07	1.36E-07	7.57E-08	-6.01E-08	6.28E-08	3.50E-08	-2.78E-08	1.36E-07	7.57E-08	-6.01E-08
1916	494611.1	3859301.99	6.10E-07	3.34E-07	-2.76E-07	1.34E-07	7.47E-08	-5.93E-08	6.19E-08	3.45E-08	-2.74E-08	1.34E-07	7.47E-08	-5.93E-08
1917	494661.1	3859301.99	6.02E-07	3.29E-07	-2.72E-07	1.32E-07	7.38E-08	-5.84E-08	6.11E-08	3.41E-08	-2.70E-08	1.32E-07	7.38E-08	-5.84E-08
1918	494711.1	3859301.99	5.93E-07	3.25E-07	-2.68E-07	1.30E-07	7.27E-08	-5.75E-08	6.02E-08	3.36E-08	-2.66E-08	1.30E-07	7.27E-08	-5.75E-08
1919	494761.1	3859301.99	5.85E-07	3.21E-07	-2.64E-07	1.28E-07	7.18E-08	-5.67E-08	5.94E-08	3.32E-08	-2.62E-08	1.28E-07	7.18E-08	-5.67E-08
1920	494811.1	3859301.99	5.75E-07	3.15E-07	-2.60E-07	1.26E-07	7.06E-08	-5.57E-08	5.84E-08	3.26E-08	-2.58E-08	1.26E-07	7.06E-08	-5.57E-08
1921	494861.1	3859301.99	5.62E-07	3.08E-07	-2.54E-07	1.24E-07	6.91E-08	-5.45E-08	5.71E-08	3.19E-08	-2.52E-08	1.24E-07	6.91E-08	-5.45E-08
1922	494911.1	3859301.99	5.55E-07	3.04E-07	-2.51E-07	1.22E-07	6.82E-08	-5.38E-08	5.64E-08	3.15E-08	-2.49E-08	1.22E-07	6.82E-08	-5.38E-08
1923	494961.1	3859301.99	5.42E-07	2.98E-07	-2.45E-07	1.19E-07	6.67E-08	-5.25E-08	5.51E-08	3.08E-08	-2.43E-08	1.19E-07	6.67E-08	-5.25E-08
1924	495011.1	3859301.99	5.36E-07	2.95E-07	-2.42E-07	1.18E-07	6.59E-08	-5.18E-08	5.44E-08	3.05E-08	-2.40E-08	1.18E-07	6.59E-08	-5.18E-08
1925	495061.1	3859301.99	5.38E-07	2.96E-07	-2.42E-07	1.18E-07	6.62E-08	-5.20E-08	5.46E-08	3.06E-08	-2.40E-08	1.18E-07	6.62E-08	-5.20E-08
1926	495111.1	3859301.99	5.32E-07	2.92E-07	-2.40E-07	1.17E-07	6.54E-08	-5.14E-08	5.40E-08	3.02E-08	-2.38E-08	1.17E-07	6.54E-08	-5.14E-08
1927	495161.1	3859301.99	5.29E-07	2.91E-07	-2.38E-07	1.16E-07	6.51E-08	-5.11E-08	5.37E-08	3.01E-08	-2.36E-08	1.16E-07	6.51E-08	-5.11E-08
1928	495211.1	3859301.99	5.28E-07	2.90E-07	-2.38E-07	1.16E-07	6.50E-08	-5.10E-08	5.36E-08	3.00E-08	-2.36E-08	1.16E-07	6.50E-08	-5.10E-08
1929	495261.1	3859301.99	5.26E-07	2.89E-07	-2.37E-07	1.16E-07	6.47E-08	-5.09E-08	5.34E-08	2.99E-08	-2.35E-08	1.16E-07	6.47E-08	-5.09E-08
1930	495311.1	3859301.99	5.21E-07	2.86E-07	-2.35E-07	1.14E-07	6.41E-08	-5.03E-08	5.29E-08	2.96E-08	-2.33E-08	1.14E-07	6.41E-08	-5.03E-08
1931	495361.1	3859301.99	5.19E-07	2.85E-07	-2.34E-07	1.14E-07	6.39E-08	-5.01E-08	5.27E-08	2.95E-08	-2.32E-08	1.14E-07	6.39E-08	-5.01E-08
1932	495411.1	3859301.99	5.16E-07	2.84E-07	-2.32E-07	1.13E-07	6.36E-08	-4.99E-08	5.24E-08	2.94E-08	-2.31E-08	1.13E-07	6.36E-08	-4.99E-08
1933	495461.1	3859301.99	5.14E-07	2.82E-07	-2.31E-07	1.13E-07	6.32E-08	-4.96E-08	5.22E-08	2.92E-08	-2.29E-08	1.13E-07	6.32E-08	-4.96E-08
1934	495511.1	3859301.99	5.09E-07	2.80E-07	-2.29E-07	1.12E-07	6.27E-08	-4.92E-08	5.17E-08	2.90E-08	-2.27E-08	1.12E-07	6.27E-08	-4.92E-08
1935	495561.1	3859301.99	5.03E-07	2.76E-07	-2.26E-07	1.10E-07	6.19E-08	-4.86E-08	5.11E-08	2.86E-08	-2.25E-08	1.10E-07	6.19E-08	-4.86E-08
1936	495611.1	3859301.99	4.99E-07	2.74E-07	-2.25E-07	1.10E-07	6.14E-08	-4.82E-08	5.07E-08	2.84E-08	-2.23E-08	1.10E-07	6.14E-08	-4.82E-08
1937	495661.1	3859301.99	4.95E-07	2.72E-07	-2.23E-07	1.09E-07	6.09E-08	-4.78E-08	5.02E-08	2.82E-08	-2.21E-08	1.09E-07	6.09E-08	-4.78E-08
1938	494311.1	3859351.99	6.80E-07	3.71E-07	-3.09E-07	1.49E-07	8.31E-08	-6.64E-08	6.91E-08	3.84E-08	-3.07E-08	1.49E-07	8.31E-08	-6.64E-08
1939	494361.1	3859351.99	6.71E-07	3.66E-07	-3.05E-07	1.47E-07	8.20E-08	-6.54E-08	6.81E-08	3.79E-08	-3.02E-08	1.47E-07	8.20E-08	-6.54E-08
1940	494411.1	3859351.99	6.59E-07	3.60E-07	-2.99E-07	1.45E-07	8.06E-08	-6.43E-08	6.70E-08	3.73E-08	-2.97E-08	1.45E-07	8.06E-08	-6.43E-08
1941	494461.1	3859351.99	6.49E-07	3.55E-07	-2.95E-07	1.43E-07	7.94E-08	-6.33E-08	6.59E-08	3.67E-08	-2.93E-08	1.43E-07	7.94E-08	-6.33E-08
1942	494511.1	3859351.99	6.40E-07	3.50E-07	-2.90E-07	1.41E-07	7.83E-08	-6.22E-08	6.49E-08	3.62E-08	-2.88E-08	1.41E-07	7.83E-08	-6.22E-08
1943	494561.1	3859351.99	6.32E-07	3.46E-07	-2.86E-07	1.39E-07	7.74E-08	-6.15E-08	6.42E-08	3.58E-08	-2.84E-08	1.39E-07	7.74E-08	-6.15E-08
1944	494611.1	3859351.99	6.25E-07	3.42E-07	-2.84E-07	1.37E-07	7.65E-08	-6.09E-08	6.35E-08	3.54E-08	-2.81E-08	1.37E-07	7.65E-08	-6.09E-08
1945	494661.1	3859351.99	6.16E-07	3.37E-07	-2.79E-07	1.35E-07	7.55E-08	-5.99E-08	6.26E-08	3.49E-08	-2.77E-08	1.35E-07	7.55E-08	-5.99E-08
1946	494711.1	3859351.99	6.06E-07	3.32E-07	-2.75E-07	1.33E-07	7.43E-08	-5.89E-08	6.16E-08	3.43E-08	-2.72E-08	1.33E-07	7.43E-08	-5.89E-08
1947	494761.1	3859351.99	5.93E-07	3.25E-07	-2.68E-07	1.30E-07	7.27E-08	-5.76E-08	6.02E-08	3.36E-08	-2.66E-08	1.30E-07	7.27E-08	-5.76E-08
1948	494811.1	3859351.99	5.80E-07	3.18E-07	-2.62E-07	1.27E-07	7.12E-08	-5.63E-08	5.89E-08	3.29E-08	-2.60E-08	1.27E-07	7.12E-08	-5.63E-08
1949	494861.1	3859351.99	5.74E-07	3.15E-07	-2.59E-07	1.26E-07	7.04E-08	-5.56E-08	5.83E-08	3.26E-08	-2.57E-08	1.26E-07	7.04E-08	-5.56E-08
1950	494911.1	3859351.99	5.68E-07	3.12E-07	-2.57E-07	1.25E-07	6.98E-08	-5.51E-08	5.77E-08	3.23E-08	-2.55E-08	1.25E-07	6.98E-08	-5.51E-08
1951	494961.1	3859351.99	5.61E-07	3.08E-07	-2.53E-07	1.23E-07	6.89E-08	-5.44E-08	5.70E-08	3.19E-08	-2.51E-08	1.23E-07	6.89E-08	-5.44E-08
1952	495011.1	3859351.99	5.56E-07	3.05E-07	-2.51E-07	1.22E-07	6.83E-08	-5.38E-08	5.64E-08	3.16E-08	-2.49E-08	1.22E-07	6.83E-08	-5.38E-08
1953	495061.1	3859351.99	5.56E-07	3.05E-07	-2.51E-07	1.22E-07	6.83E-08	-5.39E-08	5.64E-08	3.16E-08	-2.49E-08	1.22E-07	6.83E-08	-5.39E-08
1954	495111.1	3859351.99	5.50E-07	3.02E-07	-2.48E-07	1.21E-07	6.76E-08	-5.32E-08	5.58E-08	3.12E-08	-2.46E-08	1.21E-07	6.76E-08	-5.32E-08
1955	495161.1	3859351.99	5.46E-07	3.00E-07	-2.46E-07	1.20E-07	6.71E-08	-5.29E-08	5.54E-08	3.10E-08	-2.44E-08	1.20E-07	6.71E-08	-5.29E-08
1956	495211.1	3859351.99	5.42E-07	2.98E-07	-2.45E-07	1.19E-07	6.67E-08	-5.25E-08	5.51E-08	3.08E-08	-2.43E-08	1.19E-07	6.67E-08	-5.25E-08
1957	495261.1	3859351.99	5.40E-07	2.96E-07	-2.43E-07	1.19E-07	6.63E-08	-5.22E-08	5.48E-08	3.07E-08	-2.41E-08	1.19E-07	6.63E-08	-5.22E-08
1958	495311.1	3859351.99	5.34E-07	2.94E-07	-2.41E-07	1.17E-07	6.57E-08	-5.17E-08	5.43E-08	3.04E-08	-2.39E-08	1.17E-07	6.57E-08	-5.17E-08
1959	495361.1	3859351.99	5.31E-07	2.92E-07	-2.39E-07	1.17E-07	6.53E-08	-5.13E-08	5.39E-08	3.02E-08	-2.37E-08	1.17E-07	6.53E-08	-5.13E-08
1960	495411.1	3859351.99	5.28E-07	2.90E-07	-2.38E-07	1.16E-07	6.50E-08	-5.10E-08	5.36E-08	3.00E-08	-2.36E-08	1.16E-07	6.50E-08	-5.10E-08
1961	495461.1	3859351.99	5.26E-07	2.89E-07	-2.37E-07	1.16E-07	6.48E-08	-5.08E-08	5.34E-08	2.99E-08	-2.35E-08	1.16E-07	6.48E-08	-5.08E-08
1962	495511.1	3859351.99	5.20E-07	2.86E-07	-2.34E-07	1.14E-07	6.40E-08	-5.02E-08	5.28E-08	2.96E-08	-2.32E-08	1.14E-07	6.40E-08	-5.02E-08
1963	495561.1	3859351.99	5.15E-07	2.83E-07	-2.32E-07	1.13E-07	6.34E-08	-4.98E-08	5.23E-08	2.93E-08	-2.30E-08	1.13E-07	6.34E-08	-4.98E-08
1964	495611.1	3859351.99	5.12E-07	2.81E-07	-2.30E-07	1.12E-07	6.30E-08	-4.95E-08	5.20E-08	2.91E-08	-2.29E-08	1.12E-07	6.30E-08	-4.95E-08
1965	495661.1	3859351.99	5.06E-07	2.78E-07	-2.27E-07	1.11E-07	6.23E-08	-4.88E-08	5.13E-08	2.88E-08	-2.25E-08	1.11E-07	6.23E-08	-4.88E-08
1966	494311.1	3859401.99	6.98E-07	3.81E-07	-3.17E-07	1.53E-07	8.52E-08	-6.81E-08	7.09E-08	3.94E-08	-3.15E-08	1.53E-07	8.52E-08	-6.81E-08
1967	494361.1	3859401.99	6.85E-07	3.74E-07	-3.12E-07	1.51E-07	8.37E-08	-6.69E-08	6.96E-08	3.87E-08	-3.09E-08	1.51E-07	8.37E-08	-6.69E-08
1968	494411.1	3859401.99	6.74E-07	3.68E-07	-3.06E-07	1.48E-07	8.23E-08	-6.57E-08	6.84E-08	3.81E-08	-3.04E-08	1.48E-07	8.23E-08	-6.57E-08
1969	494461.1	3859401.99	6.64E-07	3.62E-07	-3.01E-07	1.46E-07	8.12E-08	-6.47E-08	6.74E-08	3.75E-08	-2.99E-08	1.46E-07	8.12E-08	-6.47E-08
1970	494511.1	3859401.99	6.57E-07	3.59E-07	-2.98E-07	1.44E-07	8.03E-08	-6.40E-08	6.67E-08	3.71E-08	-2.96E-08	1.44E-07	8.03E-08	-6.40E-08
1971	494561.1	3859401.99	6.49E-07	3.55E-07	-2.95E-07	1.43E-07	7.94E-08	-6.33E-08	6.59E-08	3.67E-08	-2.93E-08	1.43E-07	7.94E-08	-6.33E-08
1972	494611.1	3859401.99	6.40E-07	3.50E-07	-2.90E-07	1.41E-07	7.83E-08	-6.22E-08	6.49E-08	3.62E-08	-2.88E-08	1.41E-07	7.83E-08	-6.22E-08
1973	494661.1	3859401.99	6.33E-07	3.46E-07	-2.87E-07	1.39E-07	7.75E-08	-6.16E-08	6.43E-08	3.58E-08	-2.85E-08	1.39E-07	7.75E-08	-6.16E-08
1974	494711.1	3859401.99	6.24E-07	3.41E-07	-2.83E-07	1.37E-07	7.64E-08	-6.07E-08	6.34E-08	3.53E-08	-2.81E-08	1.37E-07	7.64E-08	-6.07E-08
1975	494761.1	3859401.99	6.09E-07	3.33E-07	-2.76E-07	1.34E-07	7.46E-08	-5.92E-08	6.18E-08	3.45E-08	-2.74E-08	1.34E-07	7.46E-08	-5.92E-08
1976	494811.1	3859401.99	6.01E-07	3.29E-07	-2.72E-07	1.32E-07	7.37E-08	-5.84E-08	6.10E-08	3.40E-08	-2.70E-08	1.32E-07	7.37E-08	-5.84E-08
1977	494861.1	3859401.99	5.89E-07	3.23E-07	-2.66E-07	1.29E-07	7.23E-08	-5.72E-08	5.98E-08	3.34E-08	-2.64E-08	1.29E-07	7.23E-08	-5.72E-08
1978	494911.1	3859401.99	5.80E-07	3.18E-07	-2.62E-07	1.27E-07	7.12E-08	-5.63E-08	5.89E-08	3.29E-08	-2.60E-08	1.27E-07	7.12E-08	-5.63E-08
1979	494961.1	3859401.99	5.77E-07	3.16E-07	-2.61E-07	1.27E-07	7.07E-08	-5.60E-08	5.85E-08	3.27E-08	-2.59E-08	1.27E-07	7.07E-08	-5.60E-08
1980	495011.1	3859401.99	5.72E-07	3.14E-07	-2.58E-07	1.26E-07	7.02E-08	-5.55E-08	5.81E-08	3.25E-08	-2.56E-08	1.26E-07	7.02E-08	-5.55E-08
1981	495061.1	3859401.99	5.67E-07	3.11E-07	-2.56E-07	1.25E-07	6.96E-08	-5.49E-08	5.75E-08	3.22E-08	-2.54E-08	1.25E-07	6.96E-08	-5.49E-08
1982	495111.1	3859401.99	5.60E-07	3.07E-07	-2.53E-07	1.23E-07	6.88E-08	-5.43E-08	5.69E-08	3.18E-08	-2.51E-08	1.23E-07	6.88E-08	-5.43E-08
1983	495161.1	3859401.99	5.59E-07	3.07E-07	-2.52E-07	1.23E-07	6.87E-08	-5.41E-08	5.67E-08	3.17E-08	-2.50E-08	1.23E-07	6.87E-08	-5.41E-08
1984	495211.1	3859401.99	5.57E-07	3.05E-07	-2.51E-07	1.22E-07	6.84E-08	-5.39E-08	5.65E-08	3.16E-08	-2.49E-08	1.22E-07	6.84E-08	-5.39E-08
1985	495261.1	3859401.99	5.52E-07	3.03E-07	-2.49E-07	1.21E-07	6.79E-08	-5.35E-08	5.61E-08	3.14E-08	-2.47E-08	1.21E-07	6.79E-08	-5.35E-08
1986	495311.1	3859401.99	5.48E-07	3.01E-07	-2.47E-07	1.20E-07	6.73E-08	-5.30E-08	5.56E-08	3.11E-08	-2.45E-08	1.20E-07	6.73E-08	-5.30E-08
1987	495361.1	3859401.99	5.46E-07	3.00E-07	-2.46E-07	1.20E-07	6.71E-08	-5.29E-08	5.54E-08	3.10E-08	-2.44E-08	1.20E-07	6.71E-08	-5.29E-08
1988	495411.1	3859401.99	5.43E-07	2.98E-07	-2.45E-07	1.19E-07	6.68E-08	-5.26E-08	5.52E-08	3.09E-08	-2.43E-08	1.19E-07	6.68E-08	-5.26E-08
1989	495461.1	3859401.99	5.38E-07	2.96E-07	-2.42E-07	1.18E-07	6.62E-08	-5.20E-08	5.46E-08	3.06E-08	-2.40E-08	1.18E-07	6.62E-08	-5.20E-08
1990	495511.1	3859401.99	5.32E-07	2.92E-07	-2.40E-07	1.17E-07	6.54E-08	-5.14E-08	5.40E-08	3.02E-08	-2.38E-08	1.17E-07	6.54E-08	-5.14E-08
1991	495561.1	3859401.99	5.25E-07	2.89E-07	-2.37E-07	1.15E-07	6.46E-08	-5.08E-08	5.33E-08	2.99E-08	-2.35E-08	1.15E-07	6.46E-08	-5.08E-08
1992	495611.1	3859401.99	5.21E-07	2.86E-07	-2.35E-07	1.14E-07	6.41E-08	-5.03E-08	5.29E-08	2.96E-08	-2.33E-08	1.14E-07	6.41E-08	-5.03E-08
1993	495661.1	3859401.99	5.17E-07	2.84E-07	-2.33E-07	1.14E-07	6.37E-08	-5.00E-08	5.25E-08	2.94E-08	-2.31E-08	1.14E-07	6.37E-08	-5.00E-08

1994	494311.1	3859451.99	7.12E-07	3.88E-07	-3.24E-07	1.57E-07	8.69E-08	-6.96E-08	7.23E-08	4.02E-08	-3.22E-08	1.57E-07	8.69E-08	-6.96E-08
1995	494361.1	3859451.99	7.01E-07	3.82E-07	-3.19E-07	1.54E-07	8.56E-08	-6.84E-08	7.12E-08	3.95E-08	-3.16E-08	1.54E-07	8.56E-08	-6.84E-08
1996	494411.1	3859451.99	6.85E-07	3.74E-07	-3.12E-07	1.51E-07	8.37E-08	-6.69E-08	6.96E-08	3.87E-08	-3.09E-08	1.51E-07	8.37E-08	-6.69E-08
1997	494461.1	3859451.99	6.79E-07	3.71E-07	-3.08E-07	1.49E-07	8.30E-08	-6.62E-08	6.90E-08	3.84E-08	-3.06E-08	1.49E-07	8.30E-08	-6.62E-08
1998	494511.1	3859451.99	6.69E-07	3.65E-07	-3.04E-07	1.47E-07	8.18E-08	-6.52E-08	6.80E-08	3.78E-08	-3.01E-08	1.47E-07	8.18E-08	-6.52E-08
1999	494561.1	3859451.99	6.62E-07	3.61E-07	-3.01E-07	1.45E-07	8.09E-08	-6.45E-08	6.72E-08	3.74E-08	-2.98E-08	1.45E-07	8.09E-08	-6.45E-08
2000	494611.1	3859451.99	6.57E-07	3.59E-07	-2.98E-07	1.44E-07	8.03E-08	-6.40E-08	6.67E-08	3.71E-08	-2.96E-08	1.44E-07	8.03E-08	-6.40E-08
2001	494661.1	3859451.99	6.47E-07	3.53E-07	-2.93E-07	1.42E-07	7.91E-08	-6.30E-08	6.57E-08	3.66E-08	-2.91E-08	1.42E-07	7.91E-08	-6.30E-08
2002	494711.1	3859451.99	6.38E-07	3.48E-07	-2.89E-07	1.40E-07	7.80E-08	-6.21E-08	6.48E-08	3.60E-08	-2.87E-08	1.40E-07	7.80E-08	-6.21E-08
2003	494761.1	3859451.99	6.30E-07	3.44E-07	-2.86E-07	1.38E-07	7.71E-08	-6.13E-08	6.39E-08	3.56E-08	-2.83E-08	1.38E-07	7.71E-08	-6.13E-08
2004	494811.1	3859451.99	6.18E-07	3.38E-07	-2.80E-07	1.36E-07	7.57E-08	-6.01E-08	6.28E-08	3.50E-08	-2.78E-08	1.36E-07	7.57E-08	-6.01E-08
2005	494861.1	3859451.99	6.08E-07	3.33E-07	-2.75E-07	1.34E-07	7.45E-08	-5.91E-08	6.17E-08	3.44E-08	-2.73E-08	1.34E-07	7.45E-08	-5.91E-08
2006	494911.1	3859451.99	6.00E-07	3.28E-07	-2.71E-07	1.32E-07	7.36E-08	-5.83E-08	6.09E-08	3.40E-08	-2.69E-08	1.32E-07	7.36E-08	-5.83E-08
2007	494961.1	3859451.99	5.95E-07	3.26E-07	-2.69E-07	1.31E-07	7.30E-08	-5.78E-08	6.05E-08	3.37E-08	-2.67E-08	1.31E-07	7.30E-08	-5.78E-08
2008	495011.1	3859451.99	5.89E-07	3.23E-07	-2.66E-07	1.29E-07	7.23E-08	-5.72E-08	5.98E-08	3.34E-08	-2.64E-08	1.29E-07	7.23E-08	-5.72E-08
2009	495061.1	3859451.99	5.84E-07	3.20E-07	-2.64E-07	1.28E-07	7.16E-08	-5.67E-08	5.93E-08	3.31E-08	-2.62E-08	1.28E-07	7.16E-08	-5.67E-08
2010	495111.1	3859451.99	5.77E-07	3.17E-07	-2.61E-07	1.27E-07	7.09E-08	-5.60E-08	5.86E-08	3.28E-08	-2.59E-08	1.27E-07	7.09E-08	-5.60E-08
2011	495161.1	3859451.99	5.74E-07	3.15E-07	-2.59E-07	1.26E-07	7.04E-08	-5.56E-08	5.83E-08	3.26E-08	-2.57E-08	1.26E-07	7.04E-08	-5.56E-08
2012	495211.1	3859451.99	5.71E-07	3.13E-07	-2.58E-07	1.25E-07	7.01E-08	-5.54E-08	5.80E-08	3.24E-08	-2.56E-08	1.25E-07	7.01E-08	-5.54E-08
2013	495261.1	3859451.99	5.68E-07	3.11E-07	-2.56E-07	1.25E-07	6.97E-08	-5.50E-08	5.76E-08	3.22E-08	-2.54E-08	1.25E-07	6.97E-08	-5.50E-08
2014	495311.1	3859451.99	5.63E-07	3.09E-07	-2.54E-07	1.24E-07	6.92E-08	-5.46E-08	5.72E-08	3.20E-08	-2.52E-08	1.24E-07	6.92E-08	-5.46E-08
2015	495361.1	3859451.99	5.60E-07	3.07E-07	-2.53E-07	1.23E-07	6.87E-08	-5.42E-08	5.68E-08	3.18E-08	-2.51E-08	1.23E-07	6.87E-08	-5.42E-08
2016	495411.1	3859451.99	5.55E-07	3.04E-07	-2.51E-07	1.22E-07	6.82E-08	-5.38E-08	5.64E-08	3.15E-08	-2.49E-08	1.22E-07	6.82E-08	-5.38E-08
2017	495461.1	3859451.99	5.51E-07	3.02E-07	-2.48E-07	1.21E-07	6.77E-08	-5.33E-08	5.59E-08	3.13E-08	-2.46E-08	1.21E-07	6.77E-08	-5.33E-08
2018	495511.1	3859451.99	5.43E-07	2.98E-07	-2.45E-07	1.19E-07	6.68E-08	-5.26E-08	5.52E-08	3.09E-08	-2.43E-08	1.19E-07	6.68E-08	-5.26E-08
2019	495561.1	3859451.99	5.39E-07	2.96E-07	-2.43E-07	1.18E-07	6.62E-08	-5.22E-08	5.47E-08	3.06E-08	-2.41E-08	1.18E-07	6.62E-08	-5.22E-08
2020	495611.1	3859451.99	5.33E-07	2.93E-07	-2.40E-07	1.17E-07	6.56E-08	-5.16E-08	5.42E-08	3.03E-08	-2.38E-08	1.17E-07	6.56E-08	-5.16E-08
2021	495661.1	3859451.99	5.30E-07	2.91E-07	-2.39E-07	1.16E-07	6.51E-08	-5.13E-08	5.38E-08	3.01E-08	-2.37E-08	1.16E-07	6.51E-08	-5.13E-08
2022	494311.1	3859501.99	7.29E-07	3.97E-07	-3.31E-07	1.60E-07	8.89E-08	-7.11E-08	7.40E-08	4.11E-08	-3.29E-08	1.60E-07	8.89E-08	-7.11E-08
2023	494361.1	3859501.99	7.17E-07	3.91E-07	-3.26E-07	1.58E-07	8.75E-08	-7.00E-08	7.28E-08	4.04E-08	-3.24E-08	1.58E-07	8.75E-08	-7.00E-08
2024	494411.1	3859501.99	6.97E-07	3.80E-07	-3.17E-07	1.53E-07	8.52E-08	-6.80E-08	7.08E-08	3.94E-08	-3.14E-08	1.53E-07	8.52E-08	-6.80E-08
2025	494461.1	3859501.99	6.95E-07	3.79E-07	-3.16E-07	1.53E-07	8.49E-08	-6.78E-08	7.06E-08	3.93E-08	-3.13E-08	1.53E-07	8.49E-08	-6.78E-08
2026	494511.1	3859501.99	6.85E-07	3.73E-07	-3.11E-07	1.50E-07	8.36E-08	-6.68E-08	6.95E-08	3.86E-08	-3.09E-08	1.50E-07	8.36E-08	-6.68E-08
2027	494561.1	3859501.99	6.76E-07	3.69E-07	-3.07E-07	1.48E-07	8.26E-08	-6.59E-08	6.86E-08	3.82E-08	-3.04E-08	1.48E-07	8.26E-08	-6.59E-08
2028	494611.1	3859501.99	6.74E-07	3.68E-07	-3.06E-07	1.48E-07	8.23E-08	-6.57E-08	6.84E-08	3.81E-08	-3.04E-08	1.48E-07	8.23E-08	-6.57E-08
2029	494661.1	3859501.99	6.63E-07	3.62E-07	-3.01E-07	1.46E-07	8.10E-08	-6.47E-08	6.73E-08	3.74E-08	-2.99E-08	1.46E-07	8.10E-08	-6.47E-08
2030	494711.1	3859501.99	6.49E-07	3.55E-07	-2.95E-07	1.43E-07	7.94E-08	-6.32E-08	6.59E-08	3.67E-08	-2.92E-08	1.43E-07	7.94E-08	-6.32E-08
2031	494761.1	3859501.99	6.46E-07	3.53E-07	-2.93E-07	1.42E-07	7.90E-08	-6.29E-08	6.56E-08	3.65E-08	-2.91E-08	1.42E-07	7.90E-08	-6.29E-08
2032	494811.1	3859501.99	6.31E-07	3.45E-07	-2.86E-07	1.39E-07	7.72E-08	-6.14E-08	6.40E-08	3.57E-08	-2.84E-08	1.39E-07	7.72E-08	-6.14E-08
2033	494861.1	3859501.99	6.23E-07	3.41E-07	-2.82E-07	1.37E-07	7.63E-08	-6.06E-08	6.33E-08	3.53E-08	-2.80E-08	1.37E-07	7.63E-08	-6.06E-08
2034	494911.1	3859501.99	6.18E-07	3.38E-07	-2.80E-07	1.36E-07	7.57E-08	-6.01E-08	6.28E-08	3.50E-08	-2.78E-08	1.36E-07	7.57E-08	-6.01E-08
2035	494961.1	3859501.99	6.10E-07	3.34E-07	-2.76E-07	1.34E-07	7.47E-08	-5.93E-08	6.19E-08	3.45E-08	-2.74E-08	1.34E-07	7.47E-08	-5.93E-08
2036	495011.1	3859501.99	6.05E-07	3.31E-07	-2.74E-07	1.33E-07	7.42E-08	-5.88E-08	6.15E-08	3.43E-08	-2.72E-08	1.33E-07	7.42E-08	-5.88E-08
2037	495061.1	3859501.99	6.01E-07	3.29E-07	-2.72E-07	1.32E-07	7.36E-08	-5.84E-08	6.10E-08	3.40E-08	-2.70E-08	1.32E-07	7.36E-08	-5.84E-08
2038	495111.1	3859501.99	5.93E-07	3.25E-07	-2.68E-07	1.30E-07	7.27E-08	-5.76E-08	6.02E-08	3.36E-08	-2.66E-08	1.30E-07	7.27E-08	-5.76E-08
2039	495161.1	3859501.99	5.88E-07	3.22E-07	-2.66E-07	1.29E-07	7.22E-08	-5.71E-08	5.97E-08	3.34E-08	-2.64E-08	1.29E-07	7.22E-08	-5.71E-08
2040	495211.1	3859501.99	5.86E-07	3.21E-07	-2.65E-07	1.29E-07	7.18E-08	-5.68E-08	5.95E-08	3.32E-08	-2.63E-08	1.29E-07	7.18E-08	-5.68E-08
2041	495261.1	3859501.99	5.82E-07	3.19E-07	-2.63E-07	1.28E-07	7.14E-08	-5.65E-08	5.91E-08	3.30E-08	-2.61E-08	1.28E-07	7.14E-08	-5.65E-08
2042	495311.1	3859501.99	5.78E-07	3.17E-07	-2.62E-07	1.27E-07	7.09E-08	-5.61E-08	5.87E-08	3.28E-08	-2.59E-08	1.27E-07	7.09E-08	-5.61E-08
2043	495361.1	3859501.99	5.73E-07	3.14E-07	-2.59E-07	1.26E-07	7.03E-08	-5.56E-08	5.82E-08	3.25E-08	-2.57E-08	1.26E-07	7.03E-08	-5.56E-08
2044	495411.1	3859501.99	5.69E-07	3.12E-07	-2.57E-07	1.25E-07	6.99E-08	-5.52E-08	5.78E-08	3.23E-08	-2.55E-08	1.25E-07	6.99E-08	-5.52E-08
2045	495461.1	3859501.99	5.64E-07	3.09E-07	-2.55E-07	1.24E-07	6.93E-08	-5.46E-08	5.73E-08	3.20E-08	-2.53E-08	1.24E-07	6.93E-08	-5.46E-08
2046	495511.1	3859501.99	5.54E-07	3.04E-07	-2.50E-07	1.22E-07	6.81E-08	-5.37E-08	5.63E-08	3.15E-08	-2.48E-08	1.22E-07	6.81E-08	-5.37E-08
2047	495561.1	3859501.99	5.52E-07	3.03E-07	-2.49E-07	1.21E-07	6.78E-08	-5.35E-08	5.61E-08	3.14E-08	-2.47E-08	1.21E-07	6.78E-08	-5.35E-08
2048	495611.1	3859501.99	5.47E-07	3.00E-07	-2.47E-07	1.20E-07	6.72E-08	-5.29E-08	5.55E-08	3.11E-08	-2.45E-08	1.20E-07	6.72E-08	-5.29E-08
2049	495661.1	3859501.99	5.42E-07	2.97E-07	-2.44E-07	1.19E-07	6.66E-08	-5.24E-08	5.50E-08	3.08E-08	-2.42E-08	1.19E-07	6.66E-08	-5.24E-08
2050	494311.1	3859551.99	7.45E-07	4.06E-07	-3.39E-07	1.64E-07	9.09E-08	-7.28E-08	7.56E-08	4.20E-08	-3.36E-08	1.64E-07	9.09E-08	-7.28E-08
2051	494361.1	3859551.99	7.28E-07	3.96E-07	-3.31E-07	1.60E-07	8.88E-08	-7.11E-08	7.39E-08	4.10E-08	-3.29E-08	1.60E-07	8.88E-08	-7.11E-08
2052	494411.1	3859551.99	7.09E-07	3.87E-07	-3.22E-07	1.56E-07	8.66E-08	-6.92E-08	7.20E-08	4.00E-08	-3.20E-08	1.56E-07	8.66E-08	-6.92E-08
2053	494461.1	3859551.99	7.11E-07	3.88E-07	-3.23E-07	1.56E-07	8.68E-08	-6.94E-08	7.22E-08	4.01E-08	-3.21E-08	1.56E-07	8.68E-08	-6.94E-08
2054	494511.1	3859551.99	7.00E-07	3.82E-07	-3.18E-07	1.54E-07	8.55E-08	-6.83E-08	7.11E-08	3.95E-08	-3.15E-08	1.54E-07	8.55E-08	-6.83E-08
2055	494561.1	3859551.99	6.91E-07	3.77E-07	-3.14E-07	1.52E-07	8.44E-08	-6.74E-08	7.01E-08	3.90E-08	-3.11E-08	1.52E-07	8.44E-08	-6.74E-08
2056	494611.1	3859551.99	6.85E-07	3.74E-07	-3.11E-07	1.51E-07	8.38E-08	-6.68E-08	6.96E-08	3.87E-08	-3.09E-08	1.51E-07	8.38E-08	-6.68E-08
2057	494661.1	3859551.99	6.78E-07	3.70E-07	-3.08E-07	1.49E-07	8.29E-08	-6.61E-08	6.89E-08	3.83E-08	-3.06E-08	1.49E-07	8.29E-08	-6.61E-08
2058	494711.1	3859551.99	6.59E-07	3.60E-07	-2.99E-07	1.45E-07	8.06E-08	-6.43E-08	6.70E-08	3.73E-08	-2.97E-08	1.45E-07	8.06E-08	-6.43E-08
2059	494761.1	3859551.99	6.61E-07	3.61E-07	-3.00E-07	1.45E-07	8.08E-08	-6.44E-08	6.71E-08	3.74E-08	-2.98E-08	1.45E-07	8.08E-08	-6.44E-08
2060	494811.1	3859551.99	6.48E-07	3.54E-07	-2.94E-07	1.42E-07	7.92E-08	-6.31E-08	6.58E-08	3.66E-08	-2.92E-08	1.42E-07	7.92E-08	-6.31E-08
2061	494861.1	3859551.99	6.40E-07	3.50E-07	-2.91E-07	1.41E-07	7.83E-08	-6.24E-08	6.50E-08	3.62E-08	-2.88E-08	1.41E-07	7.83E-08	-6.24E-08
2062	494911.1	3859551.99	6.32E-07	3.46E-07	-2.87E-07	1.39E-07	7.74E-08	-6.15E-08	6.42E-08	3.58E-08	-2.84E-08	1.39E-07	7.74E-08	-6.15E-08
2063	494961.1	3859551.99	6.28E-07	3.43E-07	-2.85E-07	1.38E-07	7.68E-08	-6.11E-08	6.38E-08	3.55E-08	-2.82E-08	1.38E-07	7.68E-08	-6.11E-08
2064	495011.1	3859551.99	6.23E-07	3.41E-07	-2.82E-07	1.37E-07	7.63E-08	-6.06E-08	6.33E-08	3.53E-08	-2.80E-08	1.37E-07	7.63E-08	-6.06E-08
2065	495061.1	3859551.99	6.17E-07	3.37E-07	-2.80E-07	1.36E-07	7.56E-08	-6.00E-08	6.27E-08	3.49E-08	-2.77E-08	1.36E-07	7.56E-08	-6.00E-08
2066	495111.1	3859551.99	6.10E-07	3.34E-07	-2.76E-07	1.34E-07	7.47E-08	-5.93E-08	6.19E-08	3.45E-08	-2.74E-08	1.34E-07	7.47E-08	-5.93E-08
2067	495161.1	3859551.99	6.05E-07	3.31E-07	-2.74E-07	1.33E-07	7.42E-08	-5.88E-08	6.15E-08	3.43E-08	-2.72E-08	1.33E-07	7.42E-08	-5.88E-08
2068	495211.1	3859551.99	6.03E-07	3.30E-07	-2.73E-07	1.32E-07	7.39E-08	-5.85E-08	6.12E-08	3.41E-08	-2.70E-08	1.32E-07	7.39E-08	-5.85E-08
2069	495261.1	3859551.99	5.96E-07	3.27E-07	-2.70E-07	1.31E-07	7.31E-08	-5.79E-08	6.06E-08	3.38E-08	-2.68E-08	1.31E-07	7.31E-08	-5.79E-08
2070	495311.1	3859551.99	5.92E-07	3.24E-07	-2.68E-07	1.30E-07	7.26E-08	-5.75E-08	6.01E-08	3.35E-08	-2.66E-08	1.30E-07	7.26E-08	-5.75E-08
2071	495361.1	3859551.99	5.87E-07	3.22E-07	-2.66E-07	1.29E-07	7.21E-08	-5.70E-08	5.96E-08	3.33E-08	-2.63E-08	1.29E-07	7.21E-08	-5.70E-08
2072	495411.1	3859551.99	5.84E-07	3.20E-07	-2.64E-07	1.28E-07	7.16E-08	-5.67E-08	5.93E-08	3.31E-08	-2.62E-08	1.28E-07	7.16E-08	-5.67E-08
2073	495461.1	3859551.99	5.77E-07	3.16E-07	-2.61E-07	1.27E-07	7.07E-08	-5.60E-08	5.85E-08	3.27E-08	-2.59E-08	1.27E-07	7.07E-08	-5.60E-08
2074	495511.1	3859551.99	5.69E-07	3.12E-07	-2.57E-07	1.25E-07	6.99E-08	-5.52E-08	5.78E-08	3.23E-08	-2.55E-08	1.25E-07	6.99E-08	-5.52E-08
2075	495561.1	3859551.99	5.65E-07	3.10E-07	-2.55E-07	1.24E-07	6.93E-08	-5.48E-08	5.74E-08	3.20E-08	-2.53E-08	1.24E-07	6.93E-08	-5.48E-08
2076	495611.1	3859551.99	5.60E-07	3.07E-07	-2.53E-07	1.23E-07	6.87E-08	-5.42E-08	5.68E-08	3.18E-08	-2.51E-08	1.23E-07	6.87E-08	-5.42E-08
2077	495661.1	3859551.99	5.54E-07	3.04E-07	-2.50E-07	1.22E-07	6.81E-08	-5.37E-08	5.63E-08	3.15E-08	-2.48E-08	1.22E-07	6.81E-08	-5.37E-08
2078	494311.1	3859601.99	7.63E-07	4.16E-07	-3.47E-07	1.68E-07	9.31E-08	-7.45E-08	7.75E-08	4.30E-08	-3.44E-08	1.68E-07	9.31E-08	-7.45E-08
2079	494361.1	3859601.99	7.39E-07	4.03E-07	-3.36E-07	1.62E-07	9.02E-08	-7.22E-08	7.51E-08	4.17E-08	-3.34E-08	1.62E-07	9.02E-08	-7.22E-08
2080	494411.1	3859601.99	7.27E-07	3.96E-07	-3.31E-07	1.60E-07	8.87E-08	-7.10E-08	7.38E-08	4.10E-08	-3.28E-08	1.60E-07	8.87E-08	-7.10E-08
2081	494461.1	3859601.99	7.26E-07	3.96E-07	-3.30E-07	1.59E-07	8.87E-08	-7.08E-08	7.37E-08	4.10E-08	-3.27E-08	1.59E-07	8.87E-08	-7.08E-08
2082	494511.1	3859601.99	7.12E-07	3.88E-07	-3.23E-07	1.56E-07	8.69E-08	-6.94E-08	7.22E-08	4.02E-08	-3.21E-08	1.56E-07	8.69E-08	-6.94E-08
2083	494561.1	3859601.99	7.09E-07	3.87E-07	-3.22E-07	1.56E-07	8.66E-08	-6.92E-08	7.20E-08	4.00E-08	-3.20E-08	1.56E-07	8.66E-08	-6.92E-08
2084	494611.1	3859601.99	7.04E-07	3.84E-07	-3.20E-07	1.55E-07	8.60E-08	-6.87E-08	7.15E-08	3.97E-08	-3.18E-08	1.55E-07	8.60E-08	-6.87E-08
2085	494661.1	3859601.99	6.87E-07	3.75E-07	-3.12E-07	1.51E-07	8.39E-08	-6.70E-08	6.98E-08	3.88E-08	-3.10E-08	1.51E-07	8.39E-08	-6.70E-08
2086	494711.1	3859601.99	6.75E-07	3.68E-07	-3.06E-07	1.48E-07	8.25E-08	-6.57E-08	6.85E-08	3.81E-08	-3.04E-08	1.48E-07	8.25E-08	-6.57E-08
2087	494761.1	3859601.99	6.79E-07	3.71E-07	-3.08E-07	1.49E-07	8.30E-08	-6.62E-08	6.90E-08	3.84E-08	-3.06E-08	1.49E-07	8.30E-08	-6.62E-08
2088	494811.1	3859601.99	6.65E-07	3.63E-07	-3.02E-07	1.46E-07	8.13E-08	-6.48E-08	6.75E-08	3.76E-08	-2.99E-08	1.46E-07	8.13E-08	-6.48E-08
2089	494861.1	3859601.99	6.58E-07	3.60E-07	-2.99E-07	1.45E-07	8.05E-08	-6.42E-08	6.69E-08	3.72E-08	-2.97E-08	1.45E-07	8.05E-08	-6.42E-08
2090	494911.1	3859601.99	6.48E-07	3.54E-07	-2.94E-07	1.42E-07	7.92E-08	-6.31E-08	6.58E-08	3.66E-08	-2.92E-08	1.42E-07	7.92E-08	-6.31E-08
2091	494961.1	3859601.99	6.47E-07	3.53E-07	-2.93E-07	1.42E-07	7.91E-08	-6.30E-08	6.57E-08	3.66E-08	-2.91E-08	1.42E-07	7.91E-08	-6.30E-08
2092	495011.1	3859601.99	6.36E-07	3.48E-07	-2.88E-07	1.40E-07	7.78E-08	-6.19E-08	6.46E-08	3.60E-08	-2.86E-08	1.40E-07	7.78E-08	-6.19E-08
2093	495061.1	3859601.99	6.33E-07	3.46E-07	-2.87E-07	1.39E-07	7.75E-08	-6.16E-08	6.43E-08	3.58E-08	-2.85E-08	1.39E-07	7.75E-08	-6.16E-08
2094	495111.1	3859601.99	6.25E-07	3.42E-07	-2.83E-07	1.37E-07	7.66E-08	-6.08E-08	6.35E-08	3.54E-08	-2.81E-08	1.37E-07	7.66E-08	-6.08E-08
2095	495161.1	3859601.99	6.22E-07	3.40E-07	-2.82E-07	1.37E-07	7.61E-08	-6.05E-08	6.31E-08	3.52E-08	-2.79E-08	1.37E-07	7.61E-08	-6.05E-08
2096	495211.1	3859601.99	6.16E-07	3.37E-07	-2.79E-07	1.35E-07	7.55E-08	-5.99E-08	6.26E-08	3.49E-08	-2.77E-08	1.35E-07	7.55E-08	-5.99E-08
2097	495261.1	3859601.99	6.13E-07	3.35E-07	-2.78E-07	1.35E-07	7.50E-08	-5.96E-08	6.22E-08	3.47E-08	-2.75E-08	1.35E-07	7.50E-08	-5.96E-08
2098	495311.1	3859601.99	6.09E-07	3.33E-07	-2.76E-07	1.34E-07	7.46E-08	-5.92E-08	6.18E-08	3.45E-08	-2.74E-08	1.34E-07	7.46E-08	-5.92E-08

2099	495361.1	3859601.99	6.04E-07	3.30E-07	-2.73E-07	1.33E-07	7.39E-08	-5.87E-08	6.13E-08	3.42E-08	-2.71E-08	1.33E-07	7.39E-08	-5.87E-08
2100	495411.1	3859601.99	6.00E-07	3.28E-07	-2.72E-07	1.32E-07	7.35E-08	-5.83E-08	6.09E-08	3.40E-08	-2.70E-08	1.32E-07	7.35E-08	-5.83E-08
2101	495461.1	3859601.99	5.91E-07	3.24E-07	-2.67E-07	1.30E-07	7.24E-08	-5.74E-08	6.00E-08	3.35E-08	-2.65E-08	1.30E-07	7.24E-08	-5.74E-08
2102	495511.1	3859601.99	5.82E-07	3.19E-07	-2.63E-07	1.28E-07	7.14E-08	-5.65E-08	5.91E-08	3.30E-08	-2.61E-08	1.28E-07	7.14E-08	-5.65E-08
2103	495561.1	3859601.99	5.80E-07	3.18E-07	-2.62E-07	1.27E-07	7.12E-08	-5.63E-08	5.89E-08	3.29E-08	-2.60E-08	1.27E-07	7.12E-08	-5.63E-08
2104	495611.1	3859601.99	5.71E-07	3.13E-07	-2.58E-07	1.25E-07	7.01E-08	-5.54E-08	5.80E-08	3.24E-08	-2.56E-08	1.25E-07	7.01E-08	-5.54E-08
2105	495661.1	3859601.99	5.68E-07	3.11E-07	-2.56E-07	1.25E-07	6.97E-08	-5.50E-08	5.76E-08	3.22E-08	-2.54E-08	1.25E-07	6.97E-08	-5.50E-08
2106	494311.1	3859651.99	7.75E-07	4.23E-07	-3.53E-07	1.70E-07	9.46E-08	-7.57E-08	7.87E-08	4.37E-08	-3.50E-08	1.70E-07	9.46E-08	-7.57E-08
2107	494361.1	3859651.99	7.53E-07	4.11E-07	-3.42E-07	1.65E-07	9.19E-08	-7.35E-08	7.65E-08	4.25E-08	-3.40E-08	1.65E-07	9.19E-08	-7.35E-08
2108	494411.1	3859651.99	7.44E-07	4.06E-07	-3.38E-07	1.63E-07	9.08E-08	-7.26E-08	7.55E-08	4.20E-08	-3.36E-08	1.63E-07	9.08E-08	-7.26E-08
2109	494461.1	3859651.99	7.43E-07	4.05E-07	-3.38E-07	1.63E-07	9.07E-08	-7.25E-08	7.54E-08	4.19E-08	-3.35E-08	1.63E-07	9.07E-08	-7.25E-08
2110	494511.1	3859651.99	7.33E-07	4.00E-07	-3.33E-07	1.61E-07	8.95E-08	-7.16E-08	7.44E-08	4.14E-08	-3.31E-08	1.61E-07	8.95E-08	-7.16E-08
2111	494561.1	3859651.99	7.27E-07	3.96E-07	-3.31E-07	1.60E-07	8.87E-08	-7.10E-08	7.38E-08	4.10E-08	-3.28E-08	1.60E-07	8.87E-08	-7.10E-08
2112	494611.1	3859651.99	7.20E-07	3.93E-07	-3.27E-07	1.58E-07	8.79E-08	-7.02E-08	7.31E-08	4.06E-08	-3.25E-08	1.58E-07	8.79E-08	-7.02E-08
2113	494661.1	3859651.99	7.00E-07	3.82E-07	-3.18E-07	1.54E-07	8.55E-08	-6.83E-08	7.11E-08	3.95E-08	-3.15E-08	1.54E-07	8.55E-08	-6.83E-08
2114	494711.1	3859651.99	6.94E-07	3.79E-07	-3.15E-07	1.52E-07	8.48E-08	-6.76E-08	7.04E-08	3.92E-08	-3.12E-08	1.52E-07	8.48E-08	-6.76E-08
2115	494761.1	3859651.99	6.92E-07	3.78E-07	-3.14E-07	1.52E-07	8.46E-08	-6.74E-08	7.02E-08	3.91E-08	-3.12E-08	1.52E-07	8.46E-08	-6.74E-08
2116	494811.1	3859651.99	6.82E-07	3.72E-07	-3.10E-07	1.50E-07	8.33E-08	-6.65E-08	6.92E-08	3.85E-08	-3.07E-08	1.50E-07	8.33E-08	-6.65E-08
2117	494861.1	3859651.99	6.76E-07	3.69E-07	-3.07E-07	1.48E-07	8.26E-08	-6.58E-08	6.86E-08	3.82E-08	-3.04E-08	1.48E-07	8.26E-08	-6.58E-08
2118	494911.1	3859651.99	6.68E-07	3.65E-07	-3.04E-07	1.47E-07	8.17E-08	-6.52E-08	6.79E-08	3.77E-08	-3.01E-08	1.47E-07	8.17E-08	-6.52E-08
2119	494961.1	3859651.99	6.62E-07	3.61E-07	-3.01E-07	1.45E-07	8.09E-08	-6.45E-08	6.72E-08	3.74E-08	-2.98E-08	1.45E-07	8.09E-08	-6.45E-08
2120	495011.1	3859651.99	6.55E-07	3.58E-07	-2.97E-07	1.44E-07	8.01E-08	-6.38E-08	6.65E-08	3.70E-08	-2.95E-08	1.44E-07	8.01E-08	-6.38E-08
2121	495061.1	3859651.99	6.50E-07	3.55E-07	-2.95E-07	1.43E-07	7.96E-08	-6.33E-08	6.60E-08	3.68E-08	-2.93E-08	1.43E-07	7.96E-08	-6.33E-08
2122	495111.1	3859651.99	6.43E-07	3.51E-07	-2.92E-07	1.41E-07	7.87E-08	-6.26E-08	6.53E-08	3.64E-08	-2.90E-08	1.41E-07	7.87E-08	-6.26E-08
2123	495161.1	3859651.99	6.38E-07	3.49E-07	-2.89E-07	1.40E-07	7.81E-08	-6.21E-08	6.48E-08	3.61E-08	-2.87E-08	1.40E-07	7.81E-08	-6.21E-08
2124	495211.1	3859651.99	6.33E-07	3.46E-07	-2.87E-07	1.39E-07	7.75E-08	-6.16E-08	6.43E-08	3.58E-08	-2.85E-08	1.39E-07	7.75E-08	-6.16E-08
2125	495261.1	3859651.99	6.28E-07	3.43E-07	-2.85E-07	1.38E-07	7.68E-08	-6.11E-08	6.38E-08	3.55E-08	-2.82E-08	1.38E-07	7.68E-08	-6.11E-08
2126	495311.1	3859651.99	6.23E-07	3.41E-07	-2.83E-07	1.37E-07	7.63E-08	-6.07E-08	6.33E-08	3.53E-08	-2.80E-08	1.37E-07	7.63E-08	-6.07E-08
2127	495361.1	3859651.99	6.19E-07	3.38E-07	-2.80E-07	1.36E-07	7.58E-08	-6.02E-08	6.28E-08	3.50E-08	-2.78E-08	1.36E-07	7.58E-08	-6.02E-08
2128	495411.1	3859651.99	6.13E-07	3.35E-07	-2.78E-07	1.35E-07	7.51E-08	-5.97E-08	6.23E-08	3.47E-08	-2.76E-08	1.35E-07	7.51E-08	-5.97E-08
2129	495461.1	3859651.99	6.04E-07	3.31E-07	-2.74E-07	1.33E-07	7.41E-08	-5.88E-08	6.14E-08	3.42E-08	-2.72E-08	1.33E-07	7.41E-08	-5.88E-08
2130	495511.1	3859651.99	5.97E-07	3.27E-07	-2.70E-07	1.31E-07	7.32E-08	-5.80E-08	6.06E-08	3.38E-08	-2.68E-08	1.31E-07	7.32E-08	-5.80E-08
2131	495561.1	3859651.99	5.93E-07	3.25E-07	-2.68E-07	1.30E-07	7.27E-08	-5.76E-08	6.02E-08	3.36E-08	-2.66E-08	1.30E-07	7.27E-08	-5.76E-08
2132	495611.1	3859651.99	5.87E-07	3.22E-07	-2.66E-07	1.29E-07	7.21E-08	-5.70E-08	5.96E-08	3.33E-08	-2.63E-08	1.29E-07	7.21E-08	-5.70E-08
2133	495661.1	3859651.99	5.81E-07	3.18E-07	-2.63E-07	1.28E-07	7.13E-08	-5.64E-08	5.90E-08	3.29E-08	-2.61E-08	1.28E-07	7.13E-08	-5.64E-08
2134	494311.1	3859701.99	7.74E-07	4.22E-07	-3.52E-07	1.70E-07	9.44E-08	-7.55E-08	7.86E-08	4.36E-08	-3.49E-08	1.70E-07	9.44E-08	-7.55E-08
2135	494361.1	3859701.99	7.65E-07	4.17E-07	-3.48E-07	1.68E-07	9.33E-08	-7.47E-08	7.76E-08	4.31E-08	-3.45E-08	1.68E-07	9.33E-08	-7.47E-08
2136	494411.1	3859701.99	7.58E-07	4.14E-07	-3.45E-07	1.67E-07	9.26E-08	-7.40E-08	7.70E-08	4.28E-08	-3.42E-08	1.67E-07	9.26E-08	-7.40E-08
2137	494461.1	3859701.99	7.60E-07	4.14E-07	-3.46E-07	1.67E-07	9.28E-08	-7.42E-08	7.72E-08	4.29E-08	-3.43E-08	1.67E-07	9.28E-08	-7.42E-08
2138	494511.1	3859701.99	7.51E-07	4.10E-07	-3.41E-07	1.65E-07	9.17E-08	-7.33E-08	7.63E-08	4.24E-08	-3.39E-08	1.65E-07	9.17E-08	-7.33E-08
2139	494561.1	3859701.99	7.45E-07	4.06E-07	-3.39E-07	1.64E-07	9.09E-08	-7.27E-08	7.56E-08	4.20E-08	-3.36E-08	1.64E-07	9.09E-08	-7.27E-08
2140	494611.1	3859701.99	7.39E-07	4.03E-07	-3.36E-07	1.62E-07	9.02E-08	-7.21E-08	7.50E-08	4.17E-08	-3.33E-08	1.62E-07	9.02E-08	-7.21E-08
2141	494661.1	3859701.99	7.18E-07	3.92E-07	-3.26E-07	1.58E-07	8.77E-08	-7.00E-08	7.29E-08	4.05E-08	-3.23E-08	1.58E-07	8.77E-08	-7.00E-08
2142	494711.1	3859701.99	7.15E-07	3.90E-07	-3.25E-07	1.57E-07	8.73E-08	-6.98E-08	7.26E-08	4.04E-08	-3.23E-08	1.57E-07	8.73E-08	-6.98E-08
2143	494761.1	3859701.99	7.05E-07	3.85E-07	-3.20E-07	1.55E-07	8.62E-08	-6.88E-08	7.16E-08	3.98E-08	-3.18E-08	1.55E-07	8.62E-08	-6.88E-08
2144	494811.1	3859701.99	6.96E-07	3.80E-07	-3.16E-07	1.53E-07	8.51E-08	-6.79E-08	7.07E-08	3.93E-08	-3.14E-08	1.53E-07	8.51E-08	-6.79E-08
2145	494861.1	3859701.99	6.94E-07	3.79E-07	-3.15E-07	1.52E-07	8.48E-08	-6.76E-08	7.04E-08	3.92E-08	-3.12E-08	1.52E-07	8.48E-08	-6.76E-08
2146	494911.1	3859701.99	6.86E-07	3.74E-07	-3.12E-07	1.51E-07	8.38E-08	-6.70E-08	6.97E-08	3.87E-08	-3.09E-08	1.51E-07	8.38E-08	-6.70E-08
2147	494961.1	3859701.99	6.78E-07	3.70E-07	-3.08E-07	1.49E-07	8.29E-08	-6.61E-08	6.89E-08	3.83E-08	-3.06E-08	1.49E-07	8.29E-08	-6.61E-08
2148	495011.1	3859701.99	6.74E-07	3.68E-07	-3.06E-07	1.48E-07	8.24E-08	-6.56E-08	6.84E-08	3.81E-08	-3.03E-08	1.48E-07	8.24E-08	-6.56E-08
2149	495061.1	3859701.99	6.67E-07	3.64E-07	-3.03E-07	1.47E-07	8.16E-08	-6.50E-08	6.78E-08	3.77E-08	-3.01E-08	1.47E-07	8.16E-08	-6.50E-08
2150	495111.1	3859701.99	6.61E-07	3.61E-07	-3.00E-07	1.45E-07	8.08E-08	-6.44E-08	6.71E-08	3.74E-08	-2.98E-08	1.45E-07	8.08E-08	-6.44E-08
2151	495161.1	3859701.99	6.54E-07	3.57E-07	-2.97E-07	1.44E-07	8.00E-08	-6.37E-08	6.64E-08	3.70E-08	-2.94E-08	1.44E-07	8.00E-08	-6.37E-08
2152	495211.1	3859701.99	6.47E-07	3.53E-07	-2.93E-07	1.42E-07	7.91E-08	-6.30E-08	6.57E-08	3.66E-08	-2.91E-08	1.42E-07	7.91E-08	-6.30E-08
2153	495261.1	3859701.99	6.44E-07	3.52E-07	-2.92E-07	1.42E-07	7.88E-08	-6.27E-08	6.54E-08	3.64E-08	-2.90E-08	1.42E-07	7.88E-08	-6.27E-08
2154	495311.1	3859701.99	6.38E-07	3.49E-07	-2.89E-07	1.40E-07	7.81E-08	-6.21E-08	6.48E-08	3.61E-08	-2.87E-08	1.40E-07	7.81E-08	-6.21E-08
2155	495361.1	3859701.99	6.32E-07	3.46E-07	-2.87E-07	1.39E-07	7.74E-08	-6.15E-08	6.42E-08	3.58E-08	-2.84E-08	1.39E-07	7.74E-08	-6.15E-08
2156	495411.1	3859701.99	6.24E-07	3.41E-07	-2.83E-07	1.37E-07	7.64E-08	-6.07E-08	6.34E-08	3.53E-08	-2.81E-08	1.37E-07	7.64E-08	-6.07E-08
2157	495461.1	3859701.99	6.18E-07	3.38E-07	-2.80E-07	1.36E-07	7.57E-08	-6.01E-08	6.28E-08	3.50E-08	-2.78E-08	1.36E-07	7.57E-08	-6.01E-08
2158	495511.1	3859701.99	6.08E-07	3.33E-07	-2.75E-07	1.34E-07	7.45E-08	-5.91E-08	6.17E-08	3.44E-08	-2.73E-08	1.34E-07	7.45E-08	-5.91E-08
2159	495561.1	3859701.99	6.07E-07	3.32E-07	-2.75E-07	1.33E-07	7.44E-08	-5.90E-08	6.17E-08	3.44E-08	-2.73E-08	1.33E-07	7.44E-08	-5.90E-08
2160	495611.1	3859701.99	6.02E-07	3.29E-07	-2.73E-07	1.32E-07	7.37E-08	-5.85E-08	6.11E-08	3.41E-08	-2.70E-08	1.32E-07	7.37E-08	-5.85E-08
2161	495661.1	3859701.99	5.95E-07	3.26E-07	-2.69E-07	1.31E-07	7.30E-08	-5.78E-08	6.05E-08	3.37E-08	-2.67E-08	1.31E-07	7.30E-08	-5.78E-08
2162	494311.1	3859751.99	7.97E-07	4.34E-07	-3.63E-07	1.75E-07	9.73E-08	-7.78E-08	8.09E-08	4.50E-08	-3.60E-08	1.75E-07	9.73E-08	-7.78E-08
2163	494361.1	3859751.99	7.87E-07	4.29E-07	-3.58E-07	1.73E-07	9.61E-08	-7.68E-08	7.99E-08	4.44E-08	-3.55E-08	1.73E-07	9.61E-08	-7.68E-08
2164	494411.1	3859751.99	7.75E-07	4.23E-07	-3.52E-07	1.70E-07	9.47E-08	-7.56E-08	7.87E-08	4.38E-08	-3.50E-08	1.70E-07	9.47E-08	-7.56E-08
2165	494461.1	3859751.99	7.75E-07	4.23E-07	-3.53E-07	1.70E-07	9.47E-08	-7.57E-08	7.87E-08	4.38E-08	-3.50E-08	1.70E-07	9.47E-08	-7.57E-08
2166	494511.1	3859751.99	7.72E-07	4.21E-07	-3.51E-07	1.70E-07	9.42E-08	-7.53E-08	7.84E-08	4.35E-08	-3.48E-08	1.70E-07	9.42E-08	-7.53E-08
2167	494561.1	3859751.99	7.63E-07	4.16E-07	-3.47E-07	1.68E-07	9.32E-08	-7.44E-08	7.75E-08	4.31E-08	-3.44E-08	1.68E-07	9.32E-08	-7.44E-08
2168	494611.1	3859751.99	7.52E-07	4.10E-07	-3.42E-07	1.65E-07	9.18E-08	-7.34E-08	7.64E-08	4.24E-08	-3.39E-08	1.65E-07	9.18E-08	-7.34E-08
2169	494661.1	3859751.99	7.34E-07	4.00E-07	-3.34E-07	1.61E-07	8.96E-08	-7.17E-08	7.45E-08	4.14E-08	-3.31E-08	1.61E-07	8.96E-08	-7.17E-08
2170	494711.1	3859751.99	7.33E-07	4.00E-07	-3.33E-07	1.61E-07	8.96E-08	-7.15E-08	7.44E-08	4.14E-08	-3.31E-08	1.61E-07	8.96E-08	-7.15E-08
2171	494761.1	3859751.99	7.28E-07	3.97E-07	-3.31E-07	1.60E-07	8.89E-08	-7.10E-08	7.39E-08	4.11E-08	-3.28E-08	1.60E-07	8.89E-08	-7.10E-08
2172	494811.1	3859751.99	7.19E-07	3.92E-07	-3.27E-07	1.58E-07	8.78E-08	-7.01E-08	7.30E-08	4.06E-08	-3.24E-08	1.58E-07	8.78E-08	-7.01E-08
2173	494861.1	3859751.99	7.12E-07	3.88E-07	-3.23E-07	1.56E-07	8.69E-08	-6.94E-08	7.22E-08	4.02E-08	-3.21E-08	1.56E-07	8.69E-08	-6.94E-08
2174	494911.1	3859751.99	7.05E-07	3.85E-07	-3.20E-07	1.55E-07	8.62E-08	-6.88E-08	7.16E-08	3.98E-08	-3.18E-08	1.55E-07	8.62E-08	-6.88E-08
2175	494961.1	3859751.99	6.99E-07	3.81E-07	-3.18E-07	1.54E-07	8.54E-08	-6.82E-08	7.10E-08	3.95E-08	-3.15E-08	1.54E-07	8.54E-08	-6.82E-08
2176	495011.1	3859751.99	6.92E-07	3.78E-07	-3.14E-07	1.52E-07	8.46E-08	-6.74E-08	7.02E-08	3.91E-08	-3.12E-08	1.52E-07	8.46E-08	-6.74E-08
2177	495061.1	3859751.99	6.87E-07	3.75E-07	-3.12E-07	1.51E-07	8.39E-08	-6.70E-08	6.98E-08	3.88E-08	-3.10E-08	1.51E-07	8.39E-08	-6.70E-08
2178	495111.1	3859751.99	6.80E-07	3.71E-07	-3.09E-07	1.49E-07	8.31E-08	-6.63E-08	6.91E-08	3.84E-08	-3.06E-08	1.49E-07	8.31E-08	-6.63E-08
2179	495161.1	3859751.99	6.73E-07	3.67E-07	-3.05E-07	1.48E-07	8.23E-08	-6.56E-08	6.83E-08	3.80E-08	-3.03E-08	1.48E-07	8.23E-08	-6.56E-08
2180	495211.1	3859751.99	6.66E-07	3.63E-07	-3.02E-07	1.46E-07	8.14E-08	-6.49E-08	6.76E-08	3.76E-08	-3.00E-08	1.46E-07	8.14E-08	-6.49E-08
2181	495261.1	3859751.99	6.60E-07	3.61E-07	-2.99E-07	1.45E-07	8.08E-08	-6.43E-08	6.70E-08	3.73E-08	-2.97E-08	1.45E-07	8.08E-08	-6.43E-08
2182	495311.1	3859751.99	6.54E-07	3.57E-07	-2.97E-07	1.44E-07	8.00E-08	-6.37E-08	6.64E-08	3.70E-08	-2.94E-08	1.44E-07	8.00E-08	-6.37E-08
2183	495361.1	3859751.99	6.48E-07	3.54E-07	-2.94E-07	1.42E-07	7.93E-08	-6.30E-08	6.58E-08	3.66E-08	-2.91E-08	1.42E-07	7.93E-08	-6.30E-08
2184	495411.1	3859751.99	6.42E-07	3.51E-07	-2.91E-07	1.41E-07	7.86E-08	-6.26E-08	6.52E-08	3.63E-08	-2.89E-08	1.41E-07	7.86E-08	-6.26E-08
2185	495461.1	3859751.99	6.34E-07	3.47E-07	-2.88E-07	1.39E-07	7.76E-08	-6.17E-08	6.44E-08	3.59E-08	-2.85E-08	1.39E-07	7.76E-08	-6.17E-08
2186	495511.1	3859751.99	6.26E-07	3.42E-07	-2.84E-07	1.38E-07	7.66E-08	-6.09E-08	6.36E-08	3.54E-08	-2.82E-08	1.38E-07	7.66E-08	-6.09E-08
2187	495561.1	3859751.99	6.21E-07	3.39E-07	-2.81E-07	1.36E-07	7.60E-08	-6.04E-08	6.30E-08	3.51E-08	-2.79E-08	1.36E-07	7.60E-08	-6.04E-08
2188	495611.1	3859751.99	6.15E-07	3.36E-07	-2.79E-07	1.35E-07	7.53E-08	-5.98E-08	6.25E-08	3.48E-08	-2.77E-08	1.35E-07	7.53E-08	-5.98E-08
2189	495661.1	3859751.99	6.11E-07	3.34E-07	-2.77E-07	1.34E-07	7.48E-08	-5.94E-08	6.20E-08	3.46E-08	-2.74E-08	1.34E-07	7.48E-08	-5.94E-08
2190	494311.1	3859801.99	8.20E-07	4.47E-07	-3.73E-07	1.80E-07	1.00E-07	-8.01E-08	8.33E-08	4.63E-08	-3.70E-08	1.80E-07	1.00E-07	-8.01E-08
2191	494361.1	3859801.99	8.06E-07	4.40E-07	-3.66E-07	1.77E-07	9.84E-08	-7.86E-08	8.18E-08	4.55E-08	-3.63E-08	1.77E-07	9.84E-08	-7.86E-08
2192	494411.1	3859801.99	7.92E-07	4.32E-07	-3.60E-07	1.74E-07	9.67E-08	-7.72E-08	8.04E-08	4.47E-08	-3.57E-08	1.74E-07	9.67E-08	-7.72E-08
2193	494461.1	3859801.99	7.91E-07	4.31E-07	-3.59E-07	1.74E-07	9.66E-08	-7.72E-08	8.03E-08	4.46E-08	-3.57E-08	1.74E-07	9.66E-08	-7.72E-08
2194	494511.1	3859801.99	7.91E-07	4.31E-07	-3.59E-07	1.74E-07	9.66E-08	-7.72E-08	8.03E-08	4.46E-08	-3.57E-08	1.74E-07	9.66E-08	-7.72E-08
2195	494561.1	3859801.99	7.83E-07	4.27E-07	-3.56E-07	1.72E-07	9.56E-08	-7.64E-08	7.95E-08	4.42E-08	-3.53E-08	1.72E-07	9.56E-08	-7.64E-08
2196	494611.1	3859801.99	7.66E-07	4.18E-07	-3.48E-07	1.68E-07	9.36E-08	-7.48E-08	7.78E-08	4.33E-08	-3.46E-08	1.68E-07	9.36E-08	-7.48E-08
2197	494661.1	3859801.99	7.57E-07	4.13E-07	-3.44E-07	1.66E-07	9.25E-08	-7.39E-08	7.69E-08	4.28E-08	-3.42E-08	1.66E-07	9.25E-08	-7.39E-08
2198	494711.1	3859801.99	7.47E-07	4.07E-07	-3.39E-07	1.64E-07	9.12E-08	-7.29E-08	7.58E-08	4.21E-08	-3.37E-08	1.64E-07	9.12E-08	-7.29E-08
2199	494761.1	3859801.99	7.46E-07	4.07E-07	-3.39E-07	1.64E-07	9.11E-08	-7.27E-08	7.57E-08	4.21E-08	-3.36E-08	1.64E-07	9.11E-08	-7.27E-08
2200	494811.1	3859801.99	7.38E-07	4.02E-07	-3.35E-07	1.62E-07	9.01E-08	-7.20E-08	7.49E-08	4.16E-08	-3.33E-08	1.62E-07	9.01E-08	-7.20E-08
2201	494861.1	3859801.99	7.31E-07	3.99E-07	-3.32E-07	1.61E-07	8.93E-08	-7.13E-08	7.43E-08	4.13E-08	-3.30E-08	1.61E-07	8.93E-08	-7.13E-08
2202	494911.1	3859801.99	7.22E-07	3.94E-07	-3.28E-07	1.59E-07	8.82E-08	-7.05E-08	7.33E-08	4.08E-08	-3.26E-08	1.59E-07	8.82E-08	-7.05E-08
2203	494961.1	3859801.99	7.15E-07	3.90E-07	-3.25E-07	1.57E-07	8.74E-08	-6.97E-08	7.26E-08	4.04E-08	-3.22E-08	1.57E-07	8.74E-08	-6.97E-08

2204	495011.1	3859801.99	7.09E-07	3.87E-07	-3.22E-07	1.56E-07	8.66E-08	-6.91E-08	7.20E-08	4.00E-08	-3.19E-08	1.56E-07	8.66E-08	-6.91E-08
2205	495061.1	3859801.99	7.03E-07	3.84E-07	-3.19E-07	1.54E-07	8.59E-08	-6.85E-08	7.13E-08	3.97E-08	-3.16E-08	1.54E-07	8.59E-08	-6.85E-08
2206	495111.1	3859801.99	6.95E-07	3.79E-07	-3.16E-07	1.53E-07	8.49E-08	-6.78E-08	7.06E-08	3.93E-08	-3.13E-08	1.53E-07	8.49E-08	-6.78E-08
2207	495161.1	3859801.99	6.87E-07	3.75E-07	-3.12E-07	1.51E-07	8.40E-08	-6.70E-08	6.98E-08	3.88E-08	-3.10E-08	1.51E-07	8.40E-08	-6.70E-08
2208	495211.1	3859801.99	6.82E-07	3.72E-07	-3.09E-07	1.50E-07	8.34E-08	-6.64E-08	6.92E-08	3.85E-08	-3.07E-08	1.50E-07	8.34E-08	-6.64E-08
2209	495261.1	3859801.99	6.75E-07	3.68E-07	-3.06E-07	1.48E-07	8.25E-08	-6.57E-08	6.85E-08	3.81E-08	-3.04E-08	1.48E-07	8.25E-08	-6.57E-08
2210	495311.1	3859801.99	6.70E-07	3.66E-07	-3.04E-07	1.47E-07	8.19E-08	-6.53E-08	6.80E-08	3.79E-08	-3.02E-08	1.47E-07	8.19E-08	-6.53E-08
2211	495361.1	3859801.99	6.63E-07	3.62E-07	-3.01E-07	1.46E-07	8.11E-08	-6.45E-08	6.73E-08	3.75E-08	-2.98E-08	1.46E-07	8.11E-08	-6.45E-08
2212	495411.1	3859801.99	6.56E-07	3.58E-07	-2.97E-07	1.44E-07	8.02E-08	-6.39E-08	6.66E-08	3.71E-08	-2.95E-08	1.44E-07	8.02E-08	-6.39E-08
2213	495461.1	3859801.99	6.49E-07	3.55E-07	-2.95E-07	1.43E-07	7.94E-08	-6.32E-08	6.59E-08	3.67E-08	-2.92E-08	1.43E-07	7.94E-08	-6.32E-08
2214	495511.1	3859801.99	6.41E-07	3.51E-07	-2.91E-07	1.41E-07	7.85E-08	-6.24E-08	6.51E-08	3.63E-08	-2.88E-08	1.41E-07	7.85E-08	-6.24E-08
2215	495561.1	3859801.99	6.36E-07	3.48E-07	-2.88E-07	1.40E-07	7.78E-08	-6.19E-08	6.46E-08	3.60E-08	-2.86E-08	1.40E-07	7.78E-08	-6.19E-08
2216	495611.1	3859801.99	6.33E-07	3.46E-07	-2.87E-07	1.39E-07	7.75E-08	-6.16E-08	6.43E-08	3.58E-08	-2.85E-08	1.39E-07	7.75E-08	-6.16E-08
2217	495661.1	3859801.99	6.25E-07	3.42E-07	-2.83E-07	1.37E-07	7.66E-08	-6.08E-08	6.35E-08	3.54E-08	-2.81E-08	1.37E-07	7.66E-08	-6.08E-08
2218	494311.1	3859851.99	8.39E-07	4.58E-07	-3.81E-07	1.84E-07	1.03E-07	-8.19E-08	8.52E-08	4.74E-08	-3.78E-08	1.84E-07	1.03E-07	-8.19E-08
2219	494361.1	3859851.99	8.28E-07	4.52E-07	-3.76E-07	1.82E-07	1.01E-07	-8.07E-08	8.40E-08	4.67E-08	-3.73E-08	1.82E-07	1.01E-07	-8.07E-08
2220	494411.1	3859851.99	8.15E-07	4.45E-07	-3.70E-07	1.79E-07	9.96E-08	-7.95E-08	8.28E-08	4.60E-08	-3.67E-08	1.79E-07	9.96E-08	-7.95E-08
2221	494461.1	3859851.99	8.05E-07	4.39E-07	-3.66E-07	1.77E-07	9.83E-08	-7.85E-08	8.17E-08	4.54E-08	-3.63E-08	1.77E-07	9.83E-08	-7.85E-08
2222	494511.1	3859851.99	8.01E-07	4.37E-07	-3.64E-07	1.76E-07	9.79E-08	-7.81E-08	8.14E-08	4.53E-08	-3.61E-08	1.76E-07	9.79E-08	-7.81E-08
2223	494561.1	3859851.99	8.01E-07	4.37E-07	-3.64E-07	1.76E-07	9.78E-08	-7.81E-08	8.13E-08	4.52E-08	-3.61E-08	1.76E-07	9.78E-08	-7.81E-08
2224	494611.1	3859851.99	7.83E-07	4.27E-07	-3.56E-07	1.72E-07	9.56E-08	-7.63E-08	7.95E-08	4.42E-08	-3.53E-08	1.72E-07	9.56E-08	-7.63E-08
2225	494661.1	3859851.99	7.78E-07	4.25E-07	-3.54E-07	1.71E-07	9.51E-08	-7.59E-08	7.90E-08	4.39E-08	-3.51E-08	1.71E-07	9.51E-08	-7.59E-08
2226	494711.1	3859851.99	7.65E-07	4.18E-07	-3.48E-07	1.68E-07	9.35E-08	-7.47E-08	7.77E-08	4.32E-08	-3.45E-08	1.68E-07	9.35E-08	-7.47E-08
2227	494761.1	3859851.99	7.64E-07	4.17E-07	-3.47E-07	1.68E-07	9.33E-08	-7.45E-08	7.75E-08	4.31E-08	-3.44E-08	1.68E-07	9.33E-08	-7.45E-08
2228	494811.1	3859851.99	7.56E-07	4.12E-07	-3.43E-07	1.66E-07	9.23E-08	-7.37E-08	7.67E-08	4.27E-08	-3.41E-08	1.66E-07	9.23E-08	-7.37E-08
2229	494861.1	3859851.99	7.51E-07	4.10E-07	-3.41E-07	1.65E-07	9.17E-08	-7.33E-08	7.63E-08	4.24E-08	-3.39E-08	1.65E-07	9.17E-08	-7.33E-08
2230	494911.1	3859851.99	7.41E-07	4.04E-07	-3.37E-07	1.63E-07	9.06E-08	-7.23E-08	7.53E-08	4.19E-08	-3.34E-08	1.63E-07	9.06E-08	-7.23E-08
2231	494961.1	3859851.99	7.35E-07	4.01E-07	-3.34E-07	1.61E-07	8.98E-08	-7.17E-08	7.46E-08	4.15E-08	-3.31E-08	1.61E-07	8.98E-08	-7.17E-08
2232	495011.1	3859851.99	7.28E-07	3.97E-07	-3.31E-07	1.60E-07	8.89E-08	-7.10E-08	7.39E-08	4.11E-08	-3.28E-08	1.60E-07	8.89E-08	-7.10E-08
2233	495061.1	3859851.99	7.21E-07	3.94E-07	-3.28E-07	1.59E-07	8.82E-08	-7.03E-08	7.33E-08	4.07E-08	-3.25E-08	1.59E-07	8.82E-08	-7.03E-08
2234	495111.1	3859851.99	7.12E-07	3.89E-07	-3.24E-07	1.57E-07	8.71E-08	-6.95E-08	7.23E-08	4.02E-08	-3.21E-08	1.57E-07	8.71E-08	-6.95E-08
2235	495161.1	3859851.99	7.05E-07	3.85E-07	-3.20E-07	1.55E-07	8.62E-08	-6.87E-08	7.16E-08	3.98E-08	-3.18E-08	1.55E-07	8.62E-08	-6.87E-08
2236	495211.1	3859851.99	6.99E-07	3.82E-07	-3.17E-07	1.54E-07	8.54E-08	-6.81E-08	7.10E-08	3.95E-08	-3.15E-08	1.54E-07	8.54E-08	-6.81E-08
2237	495261.1	3859851.99	6.92E-07	3.78E-07	-3.14E-07	1.52E-07	8.46E-08	-6.74E-08	7.02E-08	3.91E-08	-3.12E-08	1.52E-07	8.46E-08	-6.74E-08
2238	495311.1	3859851.99	6.86E-07	3.75E-07	-3.12E-07	1.51E-07	8.39E-08	-6.69E-08	6.97E-08	3.88E-08	-3.09E-08	1.51E-07	8.39E-08	-6.69E-08
2239	495361.1	3859851.99	6.80E-07	3.71E-07	-3.09E-07	1.49E-07	8.32E-08	-6.62E-08	6.91E-08	3.84E-08	-3.06E-08	1.49E-07	8.32E-08	-6.62E-08
2240	495411.1	3859851.99	6.73E-07	3.67E-07	-3.05E-07	1.48E-07	8.23E-08	-6.56E-08	6.83E-08	3.80E-08	-3.03E-08	1.48E-07	8.23E-08	-6.56E-08
2241	495461.1	3859851.99	6.66E-07	3.63E-07	-3.02E-07	1.46E-07	8.14E-08	-6.49E-08	6.76E-08	3.76E-08	-3.00E-08	1.46E-07	8.14E-08	-6.49E-08
2242	495511.1	3859851.99	6.58E-07	3.59E-07	-2.98E-07	1.44E-07	8.04E-08	-6.40E-08	6.68E-08	3.72E-08	-2.96E-08	1.44E-07	8.04E-08	-6.40E-08
2243	495561.1	3859851.99	6.53E-07	3.57E-07	-2.96E-07	1.43E-07	7.99E-08	-6.36E-08	6.63E-08	3.69E-08	-2.94E-08	1.43E-07	7.99E-08	-6.36E-08
2244	495611.1	3859851.99	6.49E-07	3.54E-07	-2.94E-07	1.42E-07	7.93E-08	-6.32E-08	6.59E-08	3.67E-08	-2.92E-08	1.42E-07	7.93E-08	-6.32E-08
2245	495661.1	3859851.99	6.41E-07	3.51E-07	-2.91E-07	1.41E-07	7.85E-08	-6.24E-08	6.51E-08	3.63E-08	-2.88E-08	1.41E-07	7.85E-08	-6.24E-08
2246	494311.1	3859901.99	8.58E-07	4.68E-07	-3.90E-07	1.89E-07	1.05E-07	-8.37E-08	8.71E-08	4.85E-08	-3.87E-08	1.89E-07	1.05E-07	-8.37E-08
2247	494361.1	3859901.99	8.40E-07	4.59E-07	-3.81E-07	1.85E-07	1.03E-07	-8.19E-08	8.53E-08	4.75E-08	-3.78E-08	1.85E-07	1.03E-07	-8.19E-08
2248	494411.1	3859901.99	8.35E-07	4.56E-07	-3.79E-07	1.83E-07	1.02E-07	-8.14E-08	8.48E-08	4.71E-08	-3.76E-08	1.83E-07	1.02E-07	-8.14E-08
2249	494461.1	3859901.99	8.26E-07	4.51E-07	-3.75E-07	1.81E-07	1.01E-07	-8.05E-08	8.38E-08	4.66E-08	-3.72E-08	1.81E-07	1.01E-07	-8.05E-08
2250	494511.1	3859901.99	8.19E-07	4.47E-07	-3.72E-07	1.80E-07	1.00E-07	-7.99E-08	8.32E-08	4.63E-08	-3.69E-08	1.80E-07	1.00E-07	-7.99E-08
2251	494561.1	3859901.99	8.20E-07	4.48E-07	-3.73E-07	1.80E-07	1.00E-07	-8.00E-08	8.33E-08	4.63E-08	-3.70E-08	1.80E-07	1.00E-07	-8.00E-08
2252	494611.1	3859901.99	8.01E-07	4.37E-07	-3.64E-07	1.76E-07	9.79E-08	-7.82E-08	8.14E-08	4.52E-08	-3.61E-08	1.76E-07	9.79E-08	-7.82E-08
2253	494661.1	3859901.99	8.01E-07	4.37E-07	-3.64E-07	1.76E-07	9.78E-08	-7.81E-08	8.13E-08	4.52E-08	-3.61E-08	1.76E-07	9.78E-08	-7.81E-08
2254	494711.1	3859901.99	7.83E-07	4.27E-07	-3.56E-07	1.72E-07	9.56E-08	-7.63E-08	7.95E-08	4.42E-08	-3.53E-08	1.72E-07	9.56E-08	-7.63E-08
2255	494761.1	3859901.99	7.80E-07	4.26E-07	-3.54E-07	1.71E-07	9.53E-08	-7.61E-08	7.92E-08	4.40E-08	-3.52E-08	1.71E-07	9.53E-08	-7.61E-08
2256	494811.1	3859901.99	7.76E-07	4.24E-07	-3.53E-07	1.71E-07	9.48E-08	-7.57E-08	7.88E-08	4.38E-08	-3.50E-08	1.71E-07	9.48E-08	-7.57E-08
2257	494861.1	3859901.99	7.71E-07	4.21E-07	-3.50E-07	1.69E-07	9.42E-08	-7.52E-08	7.83E-08	4.35E-08	-3.48E-08	1.69E-07	9.42E-08	-7.52E-08
2258	494911.1	3859901.99	7.61E-07	4.15E-07	-3.46E-07	1.67E-07	9.29E-08	-7.43E-08	7.73E-08	4.30E-08	-3.43E-08	1.67E-07	9.29E-08	-7.43E-08
2259	494961.1	3859901.99	7.55E-07	4.12E-07	-3.43E-07	1.66E-07	9.22E-08	-7.36E-08	7.66E-08	4.26E-08	-3.40E-08	1.66E-07	9.22E-08	-7.36E-08
2260	495011.1	3859901.99	7.47E-07	4.07E-07	-3.39E-07	1.64E-07	9.12E-08	-7.29E-08	7.58E-08	4.21E-08	-3.37E-08	1.64E-07	9.12E-08	-7.29E-08
2261	495061.1	3859901.99	7.39E-07	4.03E-07	-3.36E-07	1.62E-07	9.02E-08	-7.20E-08	7.50E-08	4.17E-08	-3.33E-08	1.62E-07	9.02E-08	-7.20E-08
2262	495111.1	3859901.99	7.30E-07	3.98E-07	-3.31E-07	1.60E-07	8.92E-08	-7.11E-08	7.41E-08	4.12E-08	-3.29E-08	1.60E-07	8.92E-08	-7.11E-08
2263	495161.1	3859901.99	7.21E-07	3.94E-07	-3.28E-07	1.59E-07	8.81E-08	-7.04E-08	7.33E-08	4.07E-08	-3.25E-08	1.59E-07	8.81E-08	-7.04E-08
2264	495211.1	3859901.99	7.16E-07	3.91E-07	-3.25E-07	1.57E-07	8.75E-08	-6.98E-08	7.27E-08	4.04E-08	-3.23E-08	1.57E-07	8.75E-08	-6.98E-08
2265	495261.1	3859901.99	7.07E-07	3.86E-07	-3.21E-07	1.55E-07	8.64E-08	-6.90E-08	7.18E-08	3.99E-08	-3.19E-08	1.55E-07	8.64E-08	-6.90E-08
2266	495311.1	3859901.99	7.02E-07	3.83E-07	-3.19E-07	1.54E-07	8.58E-08	-6.84E-08	7.12E-08	3.96E-08	-3.16E-08	1.54E-07	8.58E-08	-6.84E-08
2267	495361.1	3859901.99	6.95E-07	3.79E-07	-3.16E-07	1.53E-07	8.49E-08	-6.78E-08	7.06E-08	3.93E-08	-3.13E-08	1.53E-07	8.49E-08	-6.78E-08
2268	495411.1	3859901.99	6.87E-07	3.75E-07	-3.12E-07	1.51E-07	8.40E-08	-6.70E-08	6.98E-08	3.88E-08	-3.10E-08	1.51E-07	8.40E-08	-6.70E-08
2269	495461.1	3859901.99	6.80E-07	3.71E-07	-3.09E-07	1.49E-07	8.32E-08	-6.62E-08	6.91E-08	3.84E-08	-3.06E-08	1.49E-07	8.32E-08	-6.62E-08
2270	495511.1	3859901.99	6.75E-07	3.68E-07	-3.06E-07	1.48E-07	8.25E-08	-6.57E-08	6.85E-08	3.81E-08	-3.04E-08	1.48E-07	8.25E-08	-6.57E-08
2271	495561.1	3859901.99	6.70E-07	3.66E-07	-3.04E-07	1.47E-07	8.19E-08	-6.53E-08	6.80E-08	3.79E-08	-3.02E-08	1.47E-07	8.19E-08	-6.53E-08
2272	495611.1	3859901.99	6.63E-07	3.62E-07	-3.01E-07	1.46E-07	8.11E-08	-6.45E-08	6.73E-08	3.75E-08	-2.98E-08	1.46E-07	8.11E-08	-6.45E-08
2273	495661.1	3859901.99	6.56E-07	3.58E-07	-2.97E-07	1.44E-07	8.02E-08	-6.39E-08	6.66E-08	3.71E-08	-2.95E-08	1.44E-07	8.02E-08	-6.39E-08
2274	494311.1	3859951.99	8.80E-07	4.80E-07	-3.99E-07	1.93E-07	1.08E-07	-8.57E-08	8.93E-08	4.97E-08	-3.96E-08	1.93E-07	1.08E-07	-8.57E-08
2275	494361.1	3859951.99	8.66E-07	4.73E-07	-3.93E-07	1.90E-07	1.06E-07	-8.44E-08	8.80E-08	4.90E-08	-3.90E-08	1.90E-07	1.06E-07	-8.44E-08
2276	494411.1	3859951.99	8.55E-07	4.67E-07	-3.89E-07	1.88E-07	1.05E-07	-8.34E-08	8.69E-08	4.83E-08	-3.85E-08	1.88E-07	1.05E-07	-8.34E-08
2277	494461.1	3859951.99	8.46E-07	4.62E-07	-3.84E-07	1.86E-07	1.03E-07	-8.24E-08	8.59E-08	4.78E-08	-3.81E-08	1.86E-07	1.03E-07	-8.24E-08
2278	494511.1	3859951.99	8.39E-07	4.58E-07	-3.81E-07	1.84E-07	1.03E-07	-8.18E-08	8.52E-08	4.74E-08	-3.78E-08	1.84E-07	1.03E-07	-8.18E-08
2279	494561.1	3859951.99	8.43E-07	4.60E-07	-3.83E-07	1.85E-07	1.03E-07	-8.22E-08	8.56E-08	4.76E-08	-3.80E-08	1.85E-07	1.03E-07	-8.22E-08
2280	494611.1	3859951.99	8.25E-07	4.50E-07	-3.75E-07	1.81E-07	1.01E-07	-8.04E-08	8.38E-08	4.66E-08	-3.72E-08	1.81E-07	1.01E-07	-8.04E-08
2281	494661.1	3859951.99	8.24E-07	4.50E-07	-3.74E-07	1.81E-07	1.01E-07	-8.04E-08	8.37E-08	4.65E-08	-3.71E-08	1.81E-07	1.01E-07	-8.04E-08
2282	494711.1	3859951.99	8.08E-07	4.41E-07	-3.67E-07	1.77E-07	9.87E-08	-7.88E-08	8.20E-08	4.56E-08	-3.64E-08	1.77E-07	9.87E-08	-7.88E-08
2283	494761.1	3859951.99	8.02E-07	4.38E-07	-3.65E-07	1.76E-07	9.80E-08	-7.83E-08	8.15E-08	4.53E-08	-3.62E-08	1.76E-07	9.80E-08	-7.83E-08
2284	494811.1	3859951.99	7.95E-07	4.34E-07	-3.61E-07	1.75E-07	9.72E-08	-7.75E-08	8.07E-08	4.49E-08	-3.58E-08	1.75E-07	9.72E-08	-7.75E-08
2285	494861.1	3859951.99	7.92E-07	4.32E-07	-3.60E-07	1.74E-07	9.67E-08	-7.72E-08	8.04E-08	4.47E-08	-3.57E-08	1.74E-07	9.67E-08	-7.72E-08
2286	494911.1	3859951.99	7.81E-07	4.26E-07	-3.55E-07	1.72E-07	9.54E-08	-7.62E-08	7.93E-08	4.41E-08	-3.52E-08	1.72E-07	9.54E-08	-7.62E-08
2287	494961.1	3859951.99	7.72E-07	4.21E-07	-3.51E-07	1.70E-07	9.43E-08	-7.53E-08	7.84E-08	4.36E-08	-3.48E-08	1.70E-07	9.43E-08	-7.53E-08
2288	495011.1	3859951.99	7.64E-07	4.17E-07	-3.47E-07	1.68E-07	9.33E-08	-7.45E-08	7.75E-08	4.31E-08	-3.44E-08	1.68E-07	9.33E-08	-7.45E-08
2289	495061.1	3859951.99	7.56E-07	4.13E-07	-3.44E-07	1.66E-07	9.24E-08	-7.38E-08	7.68E-08	4.27E-08	-3.41E-08	1.66E-07	9.24E-08	-7.38E-08
2290	495111.1	3859951.99	7.47E-07	4.07E-07	-3.39E-07	1.64E-07	9.12E-08	-7.28E-08	7.58E-08	4.22E-08	-3.37E-08	1.64E-07	9.12E-08	-7.28E-08
2291	495161.1	3859951.99	7.38E-07	4.03E-07	-3.35E-07	1.62E-07	9.02E-08	-7.19E-08	7.49E-08	4.17E-08	-3.32E-08	1.62E-07	9.02E-08	-7.19E-08
2292	495211.1	3859951.99	7.30E-07	3.98E-07	-3.31E-07	1.60E-07	8.92E-08	-7.11E-08	7.41E-08	4.12E-08	-3.29E-08	1.60E-07	8.92E-08	-7.11E-08
2293	495261.1	3859951.99	7.22E-07	3.94E-07	-3.28E-07	1.59E-07	8.83E-08	-7.04E-08	7.33E-08	4.08E-08	-3.25E-08	1.59E-07	8.83E-08	-7.04E-08
2294	495311.1	3859951.99	7.19E-07	3.92E-07	-3.26E-07	1.58E-07	8.78E-08	-7.01E-08	7.30E-08	4.06E-08	-3.24E-08	1.58E-07	8.78E-08	-7.01E-08
2295	495361.1	3859951.99	7.12E-07	3.89E-07	-3.24E-07	1.57E-07	8.71E-08	-6.95E-08	7.23E-08	4.02E-08	-3.21E-08	1.57E-07	8.71E-08	-6.95E-08
2296	495411.1	3859951.99	7.04E-07	3.85E-07	-3.20E-07	1.55E-07	8.61E-08	-6.86E-08	7.15E-08	3.98E-08	-3.17E-08	1.55E-07	8.61E-08	-6.86E-08
2297	495461.1	3859951.99	6.97E-07	3.81E-07	-3.17E-07	1.53E-07	8.52E-08	-6.79E-08	7.08E-08	3.94E-08	-3.14E-08	1.53E-07	8.52E-08	-6.79E-08
2298	495511.1	3859951.99	6.90E-07	3.77E-07	-3.13E-07	1.52E-07	8.43E-08	-6.73E-08	7.01E-08	3.90E-08	-3.11E-08	1.52E-07	8.43E-08	-6.73E-08
2299	495561.1	3859951.99	6.87E-07	3.75E-07	-3.12E-07	1.51E-07	8.40E-08	-6.70E-08	6.98E-08	3.88E-08	-3.10E-08	1.51E-07	8.40E-08	-6.70E-08
2300	495611.1	3859951.99	6.79E-07	3.71E-07	-3.08E-07	1.49E-07	8.31E-08	-6.62E-08	6.90E-08	3.84E-08	-3.06E-08	1.49E-07	8.31E-08	-6.62E-08
2301	495661.1	3859951.99	6.71E-07	3.66E-07	-3.05E-07	1.47E-07	8.21E-08	-6.54E-08	6.81E-08	3.79E-08	-3.02E-08	1.47E-07	8.21E-08	-6.54E-08
2302	494311.1	3860001.99	9.01E-07	4.93E-07	-4.09E-07	1.98E-07	1.10E-07	-8.78E-08	9.15E-08	5.10E-08	-4.06E-08	1.98E-07	1.10E-07	-8.78E-08
2303	494361.1	3860001.99	8.91E-07	4.87E-07	-4.04E-07	1.96E-07	1.09E-07	-8.67E-08	9.04E-08	5.04E-08	-4.01E-08	1.96E-07	1.09E-07	-8.67E-08
2304	494411.1	3860001.99	8.75E-07	4.78E-07	-3.97E-07	1.92E-07	1.07E-07	-8.52E-08	8.89E-08	4.95E-08	-3.94E-08	1.92E-07	1.07E-07	-8.52E-08
2305	494461.1	3860001.99	8.68E-07	4.74E-07	-3.94E-07	1.91E-07	1.06E-07	-8.45E-08	8.81E-08	4.91E-08	-3.91E-08	1.91E-07	1.06E-07	-8.45E-08
2306	494511.1	3860001.99	8.56E-07	4.68E-07	-3.89E-07	1.88E-07	1.05E-07	-8.34E-08	8.70E-08	4.84E-08	-3.86E-08	1.88E-07	1.05E-07	-8.34E-08
2307	494561.1	3860001.99	8.64E-07	4.72E-07	-3.92E-07	1.90E-07	1.06E-07	-8.42E-08	8.78E-08	4.89E-08	-3.89E-08	1.90E-07	1.06E-07	-8.42E-08
2308	494611.1	3860001.99	8.52E-07	4.65E-07	-3.87E-07	1.87E-07	1.04E-07	-8.30E-08	8.65E-08	4.81E-08	-3.84E-08	1.87E-07	1.04E-07	-8.30E-08

2309	494661.1	3860001.99	8.46E-07	4.61E-07	-3.84E-07	1.86E-07	1.03E-07	-8.24E-08	8.59E-08	4.78E-08	-3.81E-08	1.86E-07	1.03E-07	-8.24E-08
2310	494711.1	3860001.99	8.22E-07	4.49E-07	-3.73E-07	1.81E-07	1.01E-07	-8.01E-08	8.35E-08	4.64E-08	-3.70E-08	1.81E-07	1.01E-07	-8.01E-08
2311	494761.1	3860001.99	8.23E-07	4.49E-07	-3.74E-07	1.81E-07	1.01E-07	-8.02E-08	8.36E-08	4.65E-08	-3.71E-08	1.81E-07	1.01E-07	-8.02E-08
2312	494811.1	3860001.99	8.18E-07	4.46E-07	-3.71E-07	1.80E-07	9.99E-08	-7.97E-08	8.30E-08	4.62E-08	-3.68E-08	1.80E-07	9.99E-08	-7.97E-08
2313	494861.1	3860001.99	8.14E-07	4.44E-07	-3.70E-07	1.79E-07	9.94E-08	-7.94E-08	8.27E-08	4.60E-08	-3.67E-08	1.79E-07	9.94E-08	-7.94E-08
2314	494911.1	3860001.99	7.93E-07	4.33E-07	-3.60E-07	1.74E-07	9.70E-08	-7.73E-08	8.06E-08	4.48E-08	-3.57E-08	1.74E-07	9.70E-08	-7.73E-08
2315	494961.1	3860001.99	7.89E-07	4.31E-07	-3.58E-07	1.73E-07	9.64E-08	-7.69E-08	8.01E-08	4.46E-08	-3.55E-08	1.73E-07	9.64E-08	-7.69E-08
2316	495011.1	3860001.99	7.80E-07	4.26E-07	-3.54E-07	1.71E-07	9.53E-08	-7.61E-08	7.92E-08	4.40E-08	-3.52E-08	1.71E-07	9.53E-08	-7.61E-08
2317	495061.1	3860001.99	7.75E-07	4.23E-07	-3.52E-07	1.70E-07	9.48E-08	-7.56E-08	7.87E-08	4.38E-08	-3.49E-08	1.70E-07	9.48E-08	-7.56E-08
2318	495111.1	3860001.99	7.65E-07	4.18E-07	-3.48E-07	1.68E-07	9.36E-08	-7.46E-08	7.77E-08	4.32E-08	-3.45E-08	1.68E-07	9.36E-08	-7.46E-08
2319	495161.1	3860001.99	7.56E-07	4.13E-07	-3.44E-07	1.66E-07	9.24E-08	-7.38E-08	7.68E-08	4.27E-08	-3.41E-08	1.66E-07	9.24E-08	-7.38E-08
2320	495211.1	3860001.99	7.52E-07	4.10E-07	-3.42E-07	1.65E-07	9.19E-08	-7.33E-08	7.64E-08	4.25E-08	-3.39E-08	1.65E-07	9.19E-08	-7.33E-08
2321	495261.1	3860001.99	7.44E-07	4.06E-07	-3.38E-07	1.63E-07	9.09E-08	-7.26E-08	7.55E-08	4.20E-08	-3.35E-08	1.63E-07	9.09E-08	-7.26E-08
2322	495311.1	3860001.99	7.38E-07	4.02E-07	-3.35E-07	1.62E-07	9.01E-08	-7.19E-08	7.49E-08	4.16E-08	-3.33E-08	1.62E-07	9.01E-08	-7.19E-08
2323	495361.1	3860001.99	7.26E-07	3.96E-07	-3.30E-07	1.59E-07	8.87E-08	-7.08E-08	7.37E-08	4.10E-08	-3.27E-08	1.59E-07	8.87E-08	-7.08E-08
2324	495411.1	3860001.99	7.23E-07	3.95E-07	-3.28E-07	1.59E-07	8.84E-08	-7.05E-08	7.34E-08	4.09E-08	-3.26E-08	1.59E-07	8.84E-08	-7.05E-08
2325	495461.1	3860001.99	7.16E-07	3.91E-07	-3.25E-07	1.57E-07	8.75E-08	-6.98E-08	7.27E-08	4.04E-08	-3.23E-08	1.57E-07	8.75E-08	-6.98E-08
2326	495511.1	3860001.99	7.09E-07	3.87E-07	-3.22E-07	1.56E-07	8.67E-08	-6.91E-08	7.20E-08	4.01E-08	-3.19E-08	1.56E-07	8.67E-08	-6.91E-08
2327	495561.1	3860001.99	7.05E-07	3.85E-07	-3.20E-07	1.55E-07	8.62E-08	-6.87E-08	7.16E-08	3.98E-08	-3.18E-08	1.55E-07	8.62E-08	-6.87E-08
2328	495611.1	3860001.99	6.97E-07	3.81E-07	-3.17E-07	1.53E-07	8.52E-08	-6.79E-08	7.08E-08	3.94E-08	-3.14E-08	1.53E-07	8.52E-08	-6.79E-08
2329	495661.1	3860001.99	6.89E-07	3.76E-07	-3.13E-07	1.51E-07	8.42E-08	-6.72E-08	7.00E-08	3.89E-08	-3.10E-08	1.51E-07	8.42E-08	-6.72E-08
2330	494411.1	3860051.99	9.00E-07	4.92E-07	-4.08E-07	1.98E-07	1.10E-07	-8.77E-08	9.14E-08	5.09E-08	-4.05E-08	1.98E-07	1.10E-07	-8.77E-08
2331	494461.1	3860051.99	8.90E-07	4.86E-07	-4.04E-07	1.95E-07	1.09E-07	-8.66E-08	9.03E-08	5.03E-08	-4.00E-08	1.95E-07	1.09E-07	-8.66E-08
2332	494511.1	3860051.99	8.80E-07	4.81E-07	-3.99E-07	1.93E-07	1.08E-07	-8.57E-08	8.93E-08	4.97E-08	-3.96E-08	1.93E-07	1.08E-07	-8.57E-08
2333	494561.1	3860051.99	8.81E-07	4.81E-07	-4.00E-07	1.93E-07	1.08E-07	-8.58E-08	8.94E-08	4.98E-08	-3.96E-08	1.93E-07	1.08E-07	-8.58E-08
2334	494611.1	3860051.99	8.75E-07	4.78E-07	-3.97E-07	1.92E-07	1.07E-07	-8.52E-08	8.89E-08	4.95E-08	-3.94E-08	1.92E-07	1.07E-07	-8.52E-08
2335	494661.1	3860051.99	8.68E-07	4.74E-07	-3.94E-07	1.91E-07	1.06E-07	-8.45E-08	8.81E-08	4.91E-08	-3.91E-08	1.91E-07	1.06E-07	-8.45E-08
2336	494711.1	3860051.99	8.52E-07	4.65E-07	-3.87E-07	1.87E-07	1.04E-07	-8.30E-08	8.65E-08	4.81E-08	-3.84E-08	1.87E-07	1.04E-07	-8.30E-08
2337	494761.1	3860051.99	8.46E-07	4.62E-07	-3.84E-07	1.86E-07	1.03E-07	-8.24E-08	8.59E-08	4.78E-08	-3.81E-08	1.86E-07	1.03E-07	-8.24E-08
2338	494811.1	3860051.99	8.44E-07	4.60E-07	-3.83E-07	1.85E-07	1.03E-07	-8.23E-08	8.57E-08	4.77E-08	-3.80E-08	1.85E-07	1.03E-07	-8.23E-08
2339	494861.1	3860051.99	8.40E-07	4.59E-07	-3.81E-07	1.85E-07	1.03E-07	-8.19E-08	8.53E-08	4.75E-08	-3.78E-08	1.85E-07	1.03E-07	-8.19E-08
2340	494911.1	3860051.99	8.28E-07	4.52E-07	-3.76E-07	1.82E-07	1.01E-07	-8.07E-08	8.40E-08	4.68E-08	-3.73E-08	1.82E-07	1.01E-07	-8.07E-08
2341	494961.1	3860051.99	8.15E-07	4.45E-07	-3.70E-07	1.79E-07	9.96E-08	-7.94E-08	8.28E-08	4.60E-08	-3.67E-08	1.79E-07	9.96E-08	-7.94E-08
2342	495011.1	3860051.99	8.03E-07	4.39E-07	-3.65E-07	1.76E-07	9.82E-08	-7.83E-08	8.16E-08	4.54E-08	-3.62E-08	1.76E-07	9.82E-08	-7.83E-08
2343	495061.1	3860051.99	7.95E-07	4.34E-07	-3.61E-07	1.75E-07	9.72E-08	-7.75E-08	8.07E-08	4.49E-08	-3.58E-08	1.75E-07	9.72E-08	-7.75E-08
2344	495111.1	3860051.99	7.83E-07	4.28E-07	-3.56E-07	1.72E-07	9.58E-08	-7.64E-08	7.96E-08	4.43E-08	-3.53E-08	1.72E-07	9.58E-08	-7.64E-08
2345	495161.1	3860051.99	7.75E-07	4.23E-07	-3.52E-07	1.70E-07	9.48E-08	-7.56E-08	7.87E-08	4.38E-08	-3.49E-08	1.70E-07	9.48E-08	-7.56E-08
2346	495211.1	3860051.99	7.66E-07	4.18E-07	-3.48E-07	1.68E-07	9.37E-08	-7.47E-08	7.78E-08	4.33E-08	-3.45E-08	1.68E-07	9.37E-08	-7.47E-08
2347	495261.1	3860051.99	7.61E-07	4.15E-07	-3.46E-07	1.67E-07	9.30E-08	-7.42E-08	7.73E-08	4.30E-08	-3.43E-08	1.67E-07	9.30E-08	-7.42E-08
2348	495311.1	3860051.99	7.56E-07	4.12E-07	-3.43E-07	1.66E-07	9.23E-08	-7.37E-08	7.67E-08	4.27E-08	-3.41E-08	1.66E-07	9.23E-08	-7.37E-08
2349	495361.1	3860051.99	7.49E-07	4.09E-07	-3.40E-07	1.65E-07	9.16E-08	-7.30E-08	7.61E-08	4.23E-08	-3.37E-08	1.65E-07	9.16E-08	-7.30E-08
2350	495411.1	3860051.99	7.43E-07	4.05E-07	-3.38E-07	1.63E-07	9.08E-08	-7.25E-08	7.54E-08	4.20E-08	-3.35E-08	1.63E-07	9.08E-08	-7.25E-08
2351	495461.1	3860051.99	7.35E-07	4.01E-07	-3.34E-07	1.61E-07	8.98E-08	-7.16E-08	7.46E-08	4.15E-08	-3.31E-08	1.61E-07	8.98E-08	-7.16E-08
2352	495511.1	3860051.99	7.30E-07	3.98E-07	-3.31E-07	1.60E-07	8.92E-08	-7.11E-08	7.41E-08	4.12E-08	-3.29E-08	1.60E-07	8.92E-08	-7.11E-08
2353	495561.1	3860051.99	7.23E-07	3.95E-07	-3.28E-07	1.59E-07	8.84E-08	-7.05E-08	7.34E-08	4.09E-08	-3.26E-08	1.59E-07	8.84E-08	-7.05E-08
2354	495611.1	3860051.99	7.15E-07	3.91E-07	-3.25E-07	1.57E-07	8.74E-08	-6.97E-08	7.26E-08	4.04E-08	-3.22E-08	1.57E-07	8.74E-08	-6.97E-08
2355	495661.1	3860051.99	7.06E-07	3.86E-07	-3.21E-07	1.55E-07	8.63E-08	-6.88E-08	7.17E-08	3.99E-08	-3.18E-08	1.55E-07	8.63E-08	-6.88E-08
2356	494411.1	3860101.99	9.15E-07	5.00E-07	-4.15E-07	2.01E-07	1.12E-07	-8.90E-08	9.29E-08	5.18E-08	-4.11E-08	2.01E-07	1.12E-07	-8.90E-08
2357	494461.1	3860101.99	9.15E-07	5.00E-07	-4.15E-07	2.01E-07	1.12E-07	-8.90E-08	9.29E-08	5.17E-08	-4.12E-08	2.01E-07	1.12E-07	-8.90E-08
2358	494511.1	3860101.99	8.99E-07	4.91E-07	-4.07E-07	1.97E-07	1.10E-07	-8.74E-08	9.12E-08	5.08E-08	-4.04E-08	1.97E-07	1.10E-07	-8.74E-08
2359	494561.1	3860101.99	8.94E-07	4.89E-07	-4.06E-07	1.96E-07	1.09E-07	-8.71E-08	9.08E-08	5.06E-08	-4.02E-08	1.96E-07	1.09E-07	-8.71E-08
2360	494611.1	3860101.99	8.95E-07	4.89E-07	-4.06E-07	1.97E-07	1.10E-07	-8.71E-08	9.09E-08	5.06E-08	-4.03E-08	1.97E-07	1.10E-07	-8.71E-08
2361	494661.1	3860101.99	8.90E-07	4.86E-07	-4.04E-07	1.95E-07	1.09E-07	-8.66E-08	9.03E-08	5.03E-08	-4.00E-08	1.95E-07	1.09E-07	-8.66E-08
2362	494711.1	3860101.99	8.74E-07	4.78E-07	-3.97E-07	1.92E-07	1.07E-07	-8.52E-08	8.88E-08	4.94E-08	-3.94E-08	1.92E-07	1.07E-07	-8.52E-08
2363	494761.1	3860101.99	8.68E-07	4.74E-07	-3.94E-07	1.91E-07	1.06E-07	-8.45E-08	8.81E-08	4.91E-08	-3.91E-08	1.91E-07	1.06E-07	-8.45E-08
2364	494811.1	3860101.99	8.63E-07	4.71E-07	-3.91E-07	1.90E-07	1.06E-07	-8.40E-08	8.76E-08	4.88E-08	-3.88E-08	1.90E-07	1.06E-07	-8.40E-08
2365	494861.1	3860101.99	8.68E-07	4.74E-07	-3.94E-07	1.91E-07	1.06E-07	-8.46E-08	8.81E-08	4.90E-08	-3.91E-08	1.91E-07	1.06E-07	-8.46E-08
2366	494911.1	3860101.99	8.42E-07	4.60E-07	-3.82E-07	1.85E-07	1.03E-07	-8.20E-08	8.55E-08	4.76E-08	-3.79E-08	1.85E-07	1.03E-07	-8.20E-08
2367	494961.1	3860101.99	8.35E-07	4.56E-07	-3.79E-07	1.83E-07	1.02E-07	-8.13E-08	8.48E-08	4.72E-08	-3.76E-08	1.83E-07	1.02E-07	-8.13E-08
2368	495011.1	3860101.99	8.24E-07	4.50E-07	-3.74E-07	1.81E-07	1.01E-07	-8.03E-08	8.37E-08	4.66E-08	-3.71E-08	1.81E-07	1.01E-07	-8.03E-08
2369	495061.1	3860101.99	8.14E-07	4.44E-07	-3.70E-07	1.79E-07	9.95E-08	-7.94E-08	8.27E-08	4.60E-08	-3.67E-08	1.79E-07	9.95E-08	-7.94E-08
2370	495111.1	3860101.99	8.01E-07	4.38E-07	-3.64E-07	1.76E-07	9.80E-08	-7.81E-08	8.14E-08	4.53E-08	-3.61E-08	1.76E-07	9.80E-08	-7.81E-08
2371	495161.1	3860101.99	7.96E-07	4.35E-07	-3.61E-07	1.75E-07	9.73E-08	-7.76E-08	8.08E-08	4.50E-08	-3.59E-08	1.75E-07	9.73E-08	-7.76E-08
2372	495211.1	3860101.99	7.88E-07	4.30E-07	-3.58E-07	1.73E-07	9.63E-08	-7.68E-08	8.00E-08	4.45E-08	-3.55E-08	1.73E-07	9.63E-08	-7.68E-08
2373	495261.1	3860101.99	7.81E-07	4.26E-07	-3.55E-07	1.72E-07	9.54E-08	-7.61E-08	7.93E-08	4.41E-08	-3.52E-08	1.72E-07	9.54E-08	-7.61E-08
2374	495311.1	3860101.99	7.74E-07	4.22E-07	-3.51E-07	1.70E-07	9.46E-08	-7.54E-08	7.86E-08	4.37E-08	-3.49E-08	1.70E-07	9.46E-08	-7.54E-08
2375	495361.1	3860101.99	7.69E-07	4.20E-07	-3.49E-07	1.69E-07	9.40E-08	-7.50E-08	7.81E-08	4.34E-08	-3.47E-08	1.69E-07	9.40E-08	-7.50E-08
2376	495411.1	3860101.99	7.62E-07	4.16E-07	-3.46E-07	1.67E-07	9.31E-08	-7.43E-08	7.74E-08	4.30E-08	-3.43E-08	1.67E-07	9.31E-08	-7.43E-08
2377	495461.1	3860101.99	7.51E-07	4.10E-07	-3.41E-07	1.65E-07	9.18E-08	-7.32E-08	7.63E-08	4.24E-08	-3.39E-08	1.65E-07	9.18E-08	-7.32E-08
2378	495511.1	3860101.99	7.47E-07	4.08E-07	-3.39E-07	1.64E-07	9.13E-08	-7.28E-08	7.58E-08	4.22E-08	-3.36E-08	1.64E-07	9.13E-08	-7.28E-08
2379	495561.1	3860101.99	7.42E-07	4.05E-07	-3.37E-07	1.63E-07	9.07E-08	-7.23E-08	7.54E-08	4.19E-08	-3.34E-08	1.63E-07	9.07E-08	-7.23E-08
2380	495611.1	3860101.99	7.32E-07	4.00E-07	-3.33E-07	1.61E-07	8.95E-08	-7.14E-08	7.44E-08	4.14E-08	-3.30E-08	1.61E-07	8.95E-08	-7.14E-08
2381	495661.1	3860101.99	7.26E-07	3.96E-07	-3.30E-07	1.59E-07	8.87E-08	-7.08E-08	7.37E-08	4.10E-08	-3.27E-08	1.59E-07	8.87E-08	-7.08E-08
2382	494861.1	3860151.99	8.98E-07	4.90E-07	-4.07E-07	1.97E-07	1.10E-07	-8.75E-08	9.12E-08	5.07E-08	-4.04E-08	1.97E-07	1.10E-07	-8.75E-08
2383	494911.1	3860151.99	8.68E-07	4.74E-07	-3.94E-07	1.91E-07	1.06E-07	-8.45E-08	8.81E-08	4.91E-08	-3.91E-08	1.91E-07	1.06E-07	-8.45E-08
2384	494961.1	3860151.99	8.57E-07	4.68E-07	-3.89E-07	1.88E-07	1.05E-07	-8.35E-08	8.70E-08	4.85E-08	-3.86E-08	1.88E-07	1.05E-07	-8.35E-08
2385	495011.1	3860151.99	8.46E-07	4.62E-07	-3.84E-07	1.86E-07	1.03E-07	-8.23E-08	8.59E-08	4.78E-08	-3.81E-08	1.86E-07	1.03E-07	-8.23E-08
2386	495061.1	3860151.99	8.35E-07	4.56E-07	-3.79E-07	1.83E-07	1.02E-07	-8.13E-08	8.48E-08	4.72E-08	-3.76E-08	1.83E-07	1.02E-07	-8.13E-08
2387	495111.1	3860151.99	8.27E-07	4.51E-07	-3.75E-07	1.82E-07	1.01E-07	-8.06E-08	8.39E-08	4.67E-08	-3.72E-08	1.82E-07	1.01E-07	-8.06E-08
2388	495161.1	3860151.99	8.19E-07	4.47E-07	-3.71E-07	1.80E-07	1.00E-07	-7.97E-08	8.31E-08	4.63E-08	-3.69E-08	1.80E-07	1.00E-07	-7.97E-08
2389	495211.1	3860151.99	8.10E-07	4.42E-07	-3.68E-07	1.78E-07	9.91E-08	-7.90E-08	8.23E-08	4.58E-08	-3.65E-08	1.78E-07	9.91E-08	-7.90E-08
2390	495261.1	3860151.99	8.03E-07	4.39E-07	-3.65E-07	1.76E-07	9.82E-08	-7.83E-08	8.16E-08	4.54E-08	-3.62E-08	1.76E-07	9.82E-08	-7.83E-08
2391	495311.1	3860151.99	7.96E-07	4.35E-07	-3.61E-07	1.75E-07	9.73E-08	-7.76E-08	8.08E-08	4.50E-08	-3.59E-08	1.75E-07	9.73E-08	-7.76E-08
2392	495361.1	3860151.99	7.90E-07	4.31E-07	-3.59E-07	1.74E-07	9.66E-08	-7.70E-08	8.02E-08	4.46E-08	-3.56E-08	1.74E-07	9.66E-08	-7.70E-08
2393	495411.1	3860151.99	7.83E-07	4.27E-07	-3.55E-07	1.72E-07	9.57E-08	-7.63E-08	7.95E-08	4.42E-08	-3.53E-08	1.72E-07	9.57E-08	-7.63E-08
2394	495461.1	3860151.99	7.75E-07	4.23E-07	-3.52E-07	1.70E-07	9.48E-08	-7.56E-08	7.87E-08	4.38E-08	-3.49E-08	1.70E-07	9.48E-08	-7.56E-08
2395	495511.1	3860151.99	7.66E-07	4.19E-07	-3.48E-07	1.68E-07	9.37E-08	-7.47E-08	7.78E-08	4.33E-08	-3.45E-08	1.68E-07	9.37E-08	-7.47E-08
2396	495561.1	3860151.99	7.61E-07	4.16E-07	-3.45E-07	1.67E-07	9.31E-08	-7.41E-08	7.73E-08	4.30E-08	-3.43E-08	1.67E-07	9.31E-08	-7.41E-08
2397	495611.1	3860151.99	7.53E-07	4.11E-07	-3.42E-07	1.65E-07	9.21E-08	-7.34E-08	7.65E-08	4.25E-08	-3.39E-08	1.65E-07	9.21E-08	-7.34E-08
2398	495661.1	3860151.99	7.44E-07	4.06E-07	-3.38E-07	1.63E-07	9.09E-08	-7.25E-08	7.55E-08	4.20E-08	-3.35E-08	1.63E-07	9.09E-08	-7.25E-08
2399	495718.3	3859442.96	5.22E-07	2.87E-07	-2.35E-07	1.15E-07	6.42E-08	-5.05E-08	5.30E-08	2.97E-08	-2.33E-08	1.15E-07	6.42E-08	-5.05E-08
2400	495818.3	3859442.96	5.12E-07	2.81E-07	-2.30E-07	1.12E-07	6.30E-08	-4.95E-08	5.20E-08	2.91E-08	-2.29E-08	1.12E-07	6.30E-08	-4.95E-08
2401	495918.3	3859442.96	5.05E-07	2.77E-07	-2.27E-07	1.11E-07	6.21E-08	-4.88E-08	5.12E-08	2.87E-08	-2.25E-08	1.11E-07	6.21E-08	-4.88E-08
2402	496018.3	3859442.96	4.98E-07	2.74E-07	-2.24E-07	1.09E-07	6.13E-08	-4.82E-08	5.06E-08	2.83E-08	-2.23E-08	1.09E-07	6.13E-08	-4.82E-08
2403	496118.3	3859442.96	4.98E-07	2.74E-07	-2.24E-07	1.09E-07	6.13E-08	-4.82E-08	5.06E-08	2.83E-08	-2.23E-08	1.09E-07	6.13E-08	-4.82E-08
2404	496218.3	3859442.96	4.97E-07	2.73E-07	-2.23E-07	1.09E-07	6.12E-08	-4.79E-08	5.04E-08	2.83E-08	-2.21E-08	1.09E-07	6.12E-08	-4.79E-08
2405	496318.3	3859442.96	4.92E-07	2.70E-07	-2.22E-07	1.08E-07	6.06E-08	-4.76E-08	5.00E-08	2.80E-08	-2.20E-08	1.08E-07	6.06E-08	-4.76E-08
2406	496418.3	3859442.96	4.86E-07	2.67E-07	-2.19E-07	1.07E-07	5.98E-08	-4.69E-08	4.93E-08	2.77E-08	-2.17E-08	1.07E-07	5.98E-08	-4.69E-08
2407	495718.3	3859542.96	5.46E-07	3.00E-07	-2.46E-07	1.20E-07	6.71E-08	-5.29E-08	5.54E-08	3.10E-08	-2.44E-08	1.20E-07	6.71E-08	-5.29E-08
2408	495818.3	3859542.96	5.38E-07	2.95E-07	-2.43E-07	1.18E-07	6.61E-08	-5.21E-08	5.46E-08	3.06E-08	-2.41E-08	1.18E-07	6.61E-08	-5.21E-08
2409	495918.3	3859542.96	5.28E-07	2.90E-07	-2.38E-07	1.16E-07	6.49E-08	-5.11E-08	5.36E-08	3.00E-08	-2.36E-08	1.16E-07	6.49E-08	-5.11E-08
2410	496018.3	3859542.96	5.20E-07	2.86E-07	-2.34E-07	1.14E-07	6.40E-08	-5.02E-08	5.28E-08	2.96E-08	-2.32E-08	1.14E-07	6.40E-08	-5.02E-08
2411	496118.3	3859542.96	5.20E-07	2.86E-07	-2.34E-07	1.14E-07	6.39E-08	-5.03E-08	5.28E-08	2.96E-08	-2.32E-08	1.14E-07	6.39E-08	-5.03E-08
2412	496218.3	3859542.96	5.17E-07	2.84E-07	-2.33E-07	1.14E-07	6.36E-08	-5.00E-08	5.25E-08	2.94E-08	-2.31E-08	1.14E-07	6.36E-08	-5.00E-08
2413	496318.3	3859542.96	5.14E-07	2.82E-07	-2.32E-07	1.13E-07	6.32E-08	-4.97E-08	5.22E-08	2.92E-08	-2.30E-08	1.13E-07	6.32E-08	-4.97E-08

2414	496418.3	3859542.96	5.06E-07	2.78E-07	-2.28E-07	1.11E-07	6.23E-08	-4.90E-08	5.14E-08	2.88E-08	-2.26E-08	1.11E-07	6.23E-08	-4.90E-08
2415	495718.3	3859642.96	5.71E-07	3.13E-07	-2.58E-07	1.25E-07	7.01E-08	-5.54E-08	5.80E-08	3.24E-08	-2.56E-08	1.25E-07	7.01E-08	-5.54E-08
2416	495818.3	3859642.96	5.60E-07	3.07E-07	-2.53E-07	1.23E-07	6.88E-08	-5.43E-08	5.69E-08	3.18E-08	-2.51E-08	1.23E-07	6.88E-08	-5.43E-08
2417	495918.3	3859642.96	5.53E-07	3.03E-07	-2.50E-07	1.22E-07	6.79E-08	-5.36E-08	5.62E-08	3.14E-08	-2.48E-08	1.22E-07	6.79E-08	-5.36E-08
2418	496018.3	3859642.96	5.44E-07	2.99E-07	-2.45E-07	1.20E-07	6.69E-08	-5.27E-08	5.53E-08	3.09E-08	-2.43E-08	1.20E-07	6.69E-08	-5.27E-08
2419	496118.3	3859642.96	5.45E-07	2.99E-07	-2.46E-07	1.20E-07	6.69E-08	-5.28E-08	5.54E-08	3.09E-08	-2.44E-08	1.20E-07	6.69E-08	-5.28E-08
2420	496218.3	3859642.96	5.43E-07	2.98E-07	-2.45E-07	1.19E-07	6.67E-08	-5.26E-08	5.52E-08	3.08E-08	-2.43E-08	1.19E-07	6.67E-08	-5.26E-08
2421	496318.3	3859642.96	5.36E-07	2.94E-07	-2.42E-07	1.18E-07	6.58E-08	-5.20E-08	5.44E-08	3.04E-08	-2.40E-08	1.18E-07	6.58E-08	-5.20E-08
2422	496418.3	3859642.96	5.16E-07	2.84E-07	-2.33E-07	1.13E-07	6.35E-08	-4.99E-08	5.24E-08	2.93E-08	-2.31E-08	1.13E-07	6.35E-08	-4.99E-08
2423	495718.3	3859742.96	6.02E-07	3.29E-07	-2.72E-07	1.32E-07	7.38E-08	-5.84E-08	6.11E-08	3.41E-08	-2.70E-08	1.32E-07	7.38E-08	-5.84E-08
2424	495818.3	3859742.96	5.90E-07	3.23E-07	-2.67E-07	1.30E-07	7.23E-08	-5.73E-08	5.99E-08	3.34E-08	-2.65E-08	1.30E-07	7.23E-08	-5.73E-08
2425	495918.3	3859742.96	5.80E-07	3.18E-07	-2.62E-07	1.27E-07	7.12E-08	-5.63E-08	5.89E-08	3.29E-08	-2.60E-08	1.27E-07	7.12E-08	-5.63E-08
2426	496018.3	3859742.96	5.70E-07	3.12E-07	-2.58E-07	1.25E-07	6.99E-08	-5.54E-08	5.79E-08	3.23E-08	-2.56E-08	1.25E-07	6.99E-08	-5.54E-08
2427	496118.3	3859742.96	5.69E-07	3.12E-07	-2.58E-07	1.25E-07	6.98E-08	-5.53E-08	5.78E-08	3.23E-08	-2.55E-08	1.25E-07	6.98E-08	-5.53E-08
2428	496218.3	3859742.96	5.71E-07	3.13E-07	-2.58E-07	1.25E-07	7.01E-08	-5.54E-08	5.80E-08	3.24E-08	-2.56E-08	1.25E-07	7.01E-08	-5.54E-08
2429	496318.3	3859742.96	5.51E-07	3.02E-07	-2.49E-07	1.21E-07	6.77E-08	-5.34E-08	5.60E-08	3.13E-08	-2.47E-08	1.21E-07	6.77E-08	-5.34E-08
2430	496418.3	3859742.96	5.33E-07	2.92E-07	-2.40E-07	1.17E-07	6.54E-08	-5.16E-08	5.41E-08	3.02E-08	-2.38E-08	1.17E-07	6.54E-08	-5.16E-08
2431	495718.3	3859842.96	6.32E-07	3.46E-07	-2.87E-07	1.39E-07	7.74E-08	-6.15E-08	6.42E-08	3.58E-08	-2.84E-08	1.39E-07	7.74E-08	-6.15E-08
2432	495818.3	3859842.96	6.22E-07	3.40E-07	-2.82E-07	1.37E-07	7.61E-08	-6.05E-08	6.31E-08	3.52E-08	-2.79E-08	1.37E-07	7.61E-08	-6.05E-08
2433	495918.3	3859842.96	6.11E-07	3.34E-07	-2.77E-07	1.34E-07	7.48E-08	-5.94E-08	6.20E-08	3.46E-08	-2.75E-08	1.34E-07	7.48E-08	-5.94E-08
2434	496018.3	3859842.96	6.04E-07	3.30E-07	-2.73E-07	1.33E-07	7.39E-08	-5.87E-08	6.13E-08	3.42E-08	-2.71E-08	1.33E-07	7.39E-08	-5.87E-08
2435	496118.3	3859842.96	6.04E-07	3.31E-07	-2.74E-07	1.33E-07	7.41E-08	-5.88E-08	6.14E-08	3.42E-08	-2.72E-08	1.33E-07	7.41E-08	-5.88E-08
2436	496218.3	3859842.96	5.86E-07	3.21E-07	-2.65E-07	1.29E-07	7.19E-08	-5.70E-08	5.96E-08	3.32E-08	-2.63E-08	1.29E-07	7.19E-08	-5.70E-08
2437	496318.3	3859842.96	5.52E-07	3.03E-07	-2.49E-07	1.21E-07	6.78E-08	-5.35E-08	5.61E-08	3.14E-08	-2.47E-08	1.21E-07	6.78E-08	-5.35E-08
2438	496418.3	3859842.96	5.33E-07	2.93E-07	-2.40E-07	1.17E-07	6.55E-08	-5.15E-08	5.41E-08	3.03E-08	-2.38E-08	1.17E-07	6.55E-08	-5.15E-08
2439	495718.3	3859942.96	6.63E-07	3.62E-07	-3.01E-07	1.46E-07	8.11E-08	-6.45E-08	6.73E-08	3.75E-08	-2.98E-08	1.46E-07	8.11E-08	-6.45E-08
2440	495818.3	3859942.96	6.50E-07	3.56E-07	-2.95E-07	1.43E-07	7.96E-08	-6.33E-08	6.60E-08	3.68E-08	-2.92E-08	1.43E-07	7.96E-08	-6.33E-08
2441	495918.3	3859942.96	6.42E-07	3.51E-07	-2.91E-07	1.41E-07	7.86E-08	-6.26E-08	6.52E-08	3.63E-08	-2.89E-08	1.41E-07	7.86E-08	-6.26E-08
2442	496018.3	3859942.96	6.40E-07	3.50E-07	-2.90E-07	1.41E-07	7.84E-08	-6.23E-08	6.50E-08	3.62E-08	-2.88E-08	1.41E-07	7.84E-08	-6.23E-08
2443	496118.3	3859942.96	6.23E-07	3.41E-07	-2.82E-07	1.37E-07	7.63E-08	-6.06E-08	6.33E-08	3.53E-08	-2.80E-08	1.37E-07	7.63E-08	-6.06E-08
2444	496218.3	3859942.96	5.97E-07	3.27E-07	-2.70E-07	1.31E-07	7.32E-08	-5.80E-08	6.06E-08	3.38E-08	-2.68E-08	1.31E-07	7.32E-08	-5.80E-08
2445	496318.3	3859942.96	5.73E-07	3.14E-07	-2.59E-07	1.26E-07	7.03E-08	-5.56E-08	5.82E-08	3.25E-08	-2.57E-08	1.26E-07	7.03E-08	-5.56E-08
2446	496418.3	3859942.96	5.44E-07	2.99E-07	-2.45E-07	1.20E-07	6.69E-08	-5.27E-08	5.53E-08	3.09E-08	-2.43E-08	1.20E-07	6.69E-08	-5.27E-08
2447	496856.8	3858864.83	3.83E-07	2.11E-07	-1.72E-07	8.42E-08	4.73E-08	-3.69E-08	3.89E-08	2.19E-08	-1.70E-08	8.42E-08	4.73E-08	-3.69E-08
2448	496956.8	3858864.83	3.80E-07	2.09E-07	-1.70E-07	8.34E-08	4.69E-08	-3.65E-08	3.85E-08	2.17E-08	-1.69E-08	8.34E-08	4.69E-08	-3.65E-08
2449	497056.8	3858864.83	3.76E-07	2.07E-07	-1.69E-07	8.26E-08	4.64E-08	-3.62E-08	3.82E-08	2.15E-08	-1.67E-08	8.26E-08	4.64E-08	-3.62E-08
2450	497156.8	3858864.83	3.72E-07	2.05E-07	-1.67E-07	8.18E-08	4.60E-08	-3.58E-08	3.78E-08	2.13E-08	-1.66E-08	8.18E-08	4.60E-08	-3.58E-08
2451	497256.8	3858864.83	3.71E-07	2.04E-07	-1.66E-07	8.14E-08	4.58E-08	-3.56E-08	3.76E-08	2.12E-08	-1.65E-08	8.14E-08	4.58E-08	-3.56E-08
2452	496856.8	3858964.83	3.95E-07	2.18E-07	-1.77E-07	8.68E-08	4.88E-08	-3.80E-08	4.01E-08	2.25E-08	-1.76E-08	8.68E-08	4.88E-08	-3.80E-08
2453	496956.8	3858964.83	3.89E-07	2.15E-07	-1.74E-07	8.56E-08	4.82E-08	-3.74E-08	3.96E-08	2.23E-08	-1.73E-08	8.56E-08	4.82E-08	-3.74E-08
2454	497056.8	3858964.83	3.86E-07	2.13E-07	-1.73E-07	8.48E-08	4.77E-08	-3.71E-08	3.92E-08	2.20E-08	-1.72E-08	8.48E-08	4.77E-08	-3.71E-08
2455	497156.8	3858964.83	3.82E-07	2.11E-07	-1.71E-07	8.40E-08	4.72E-08	-3.68E-08	3.88E-08	2.18E-08	-1.70E-08	8.40E-08	4.72E-08	-3.68E-08
2456	497256.8	3858964.83	3.83E-07	2.11E-07	-1.72E-07	8.42E-08	4.73E-08	-3.69E-08	3.89E-08	2.19E-08	-1.70E-08	8.42E-08	4.73E-08	-3.69E-08
2457	496856.8	3859064.83	4.04E-07	2.23E-07	-1.81E-07	8.87E-08	4.99E-08	-3.88E-08	4.10E-08	2.31E-08	-1.79E-08	8.87E-08	4.99E-08	-3.88E-08
2458	496956.8	3859064.83	3.99E-07	2.21E-07	-1.79E-07	8.78E-08	4.94E-08	-3.84E-08	4.06E-08	2.28E-08	-1.77E-08	8.78E-08	4.94E-08	-3.84E-08
2459	497056.8	3859064.83	3.96E-07	2.19E-07	-1.77E-07	8.70E-08	4.89E-08	-3.80E-08	4.02E-08	2.26E-08	-1.76E-08	8.70E-08	4.89E-08	-3.80E-08
2460	497156.8	3859064.83	3.93E-07	2.17E-07	-1.76E-07	8.64E-08	4.86E-08	-3.78E-08	3.99E-08	2.24E-08	-1.75E-08	8.64E-08	4.86E-08	-3.78E-08
2461	497256.8	3859064.83	3.96E-07	2.18E-07	-1.77E-07	8.70E-08	4.89E-08	-3.81E-08	4.02E-08	2.26E-08	-1.76E-08	8.70E-08	4.89E-08	-3.81E-08
2462	496856.8	3859164.83	4.12E-07	2.27E-07	-1.85E-07	9.05E-08	5.09E-08	-3.96E-08	4.18E-08	2.35E-08	-1.83E-08	9.05E-08	5.09E-08	-3.96E-08
2463	496956.8	3859164.83	4.07E-07	2.25E-07	-1.83E-07	8.95E-08	5.03E-08	-3.92E-08	4.14E-08	2.33E-08	-1.81E-08	8.95E-08	5.03E-08	-3.92E-08
2464	497056.8	3859164.83	4.05E-07	2.23E-07	-1.81E-07	8.89E-08	5.00E-08	-3.89E-08	4.11E-08	2.31E-08	-1.80E-08	8.89E-08	5.00E-08	-3.89E-08
2465	497156.8	3859164.83	4.05E-07	2.24E-07	-1.81E-07	8.89E-08	5.01E-08	-3.89E-08	4.11E-08	2.31E-08	-1.80E-08	8.89E-08	5.01E-08	-3.89E-08
2466	497256.8	3859164.83	4.09E-07	2.26E-07	-1.84E-07	8.99E-08	5.06E-08	-3.94E-08	4.16E-08	2.34E-08	-1.82E-08	8.99E-08	5.06E-08	-3.94E-08
2467	496856.8	3859264.83	4.20E-07	2.31E-07	-1.89E-07	9.23E-08	5.18E-08	-4.05E-08	4.27E-08	2.40E-08	-1.87E-08	9.23E-08	5.18E-08	-4.05E-08
2468	496956.8	3859264.83	4.18E-07	2.30E-07	-1.88E-07	9.19E-08	5.16E-08	-4.03E-08	4.25E-08	2.39E-08	-1.86E-08	9.19E-08	5.16E-08	-4.03E-08
2469	497056.8	3859264.83	4.18E-07	2.31E-07	-1.88E-07	9.19E-08	5.17E-08	-4.02E-08	4.25E-08	2.39E-08	-1.86E-08	9.19E-08	5.17E-08	-4.02E-08
2470	497156.8	3859264.83	4.18E-07	2.31E-07	-1.88E-07	9.19E-08	5.17E-08	-4.02E-08	4.25E-08	2.39E-08	-1.86E-08	9.19E-08	5.17E-08	-4.02E-08
2471	497256.8	3859264.83	4.22E-07	2.32E-07	-1.89E-07	9.27E-08	5.21E-08	-4.06E-08	4.28E-08	2.41E-08	-1.88E-08	9.27E-08	5.21E-08	-4.06E-08
2472	497088.9	3858620.93	3.49E-07	1.93E-07	-1.56E-07	7.67E-08	4.31E-08	-3.36E-08	3.54E-08	1.99E-08	-1.55E-08	7.67E-08	4.31E-08	-3.36E-08
2473	497138.9	3858620.93	3.48E-07	1.92E-07	-1.56E-07	7.65E-08	4.31E-08	-3.34E-08	3.53E-08	1.99E-08	-1.54E-08	7.65E-08	4.31E-08	-3.34E-08
2474	497188.9	3858620.93	3.47E-07	1.92E-07	-1.56E-07	7.63E-08	4.29E-08	-3.34E-08	3.53E-08	1.98E-08	-1.54E-08	7.63E-08	4.29E-08	-3.34E-08
2475	497238.9	3858620.93	3.46E-07	1.91E-07	-1.55E-07	7.61E-08	4.28E-08	-3.33E-08	3.52E-08	1.98E-08	-1.54E-08	7.61E-08	4.28E-08	-3.33E-08
2476	497088.9	3858670.93	3.53E-07	1.95E-07	-1.58E-07	7.75E-08	4.36E-08	-3.39E-08	3.58E-08	2.01E-08	-1.57E-08	7.75E-08	4.36E-08	-3.39E-08
2477	497138.9	3858670.93	3.53E-07	1.95E-07	-1.58E-07	7.75E-08	4.36E-08	-3.39E-08	3.58E-08	2.01E-08	-1.57E-08	7.75E-08	4.36E-08	-3.39E-08
2478	497188.9	3858670.93	3.51E-07	1.94E-07	-1.57E-07	7.71E-08	4.34E-08	-3.37E-08	3.56E-08	2.01E-08	-1.56E-08	7.71E-08	4.34E-08	-3.37E-08
2479	497238.9	3858670.93	3.51E-07	1.94E-07	-1.57E-07	7.71E-08	4.33E-08	-3.37E-08	3.56E-08	2.00E-08	-1.56E-08	7.71E-08	4.33E-08	-3.37E-08
2480	497088.9	3858720.93	3.59E-07	1.98E-07	-1.61E-07	7.89E-08	4.43E-08	-3.45E-08	3.64E-08	2.05E-08	-1.60E-08	7.89E-08	4.43E-08	-3.45E-08
2481	497138.9	3858720.93	3.54E-07	1.96E-07	-1.59E-07	7.79E-08	4.38E-08	-3.41E-08	3.60E-08	2.02E-08	-1.58E-08	7.79E-08	4.38E-08	-3.41E-08
2482	497188.9	3858720.93	3.54E-07	1.95E-07	-1.58E-07	7.77E-08	4.37E-08	-3.40E-08	3.59E-08	2.02E-08	-1.57E-08	7.77E-08	4.37E-08	-3.40E-08
2483	497238.9	3858720.93	3.55E-07	1.96E-07	-1.59E-07	7.81E-08	4.39E-08	-3.42E-08	3.61E-08	2.03E-08	-1.58E-08	7.81E-08	4.39E-08	-3.42E-08
2484	497088.9	3858770.93	3.63E-07	2.00E-07	-1.62E-07	7.96E-08	4.48E-08	-3.48E-08	3.68E-08	2.07E-08	-1.61E-08	7.96E-08	4.48E-08	-3.48E-08
2485	497138.9	3858770.93	3.61E-07	1.99E-07	-1.62E-07	7.93E-08	4.46E-08	-3.47E-08	3.66E-08	2.06E-08	-1.60E-08	7.93E-08	4.46E-08	-3.47E-08
2486	497188.9	3858770.93	3.59E-07	1.98E-07	-1.61E-07	7.89E-08	4.43E-08	-3.45E-08	3.64E-08	2.05E-08	-1.60E-08	7.89E-08	4.43E-08	-3.45E-08
2487	497238.9	3858770.93	3.60E-07	1.99E-07	-1.61E-07	7.91E-08	4.45E-08	-3.46E-08	3.65E-08	2.06E-08	-1.60E-08	7.91E-08	4.45E-08	-3.46E-08
2488	497396.7	3858622.63	3.52E-07	1.94E-07	-1.57E-07	7.73E-08	4.35E-08	-3.38E-08	3.57E-08	2.01E-08	-1.56E-08	7.73E-08	4.35E-08	-3.38E-08
2489	497496.7	3858622.63	3.54E-07	1.96E-07	-1.58E-07	7.79E-08	4.39E-08	-3.40E-08	3.60E-08	2.03E-08	-1.57E-08	7.79E-08	4.39E-08	-3.40E-08
2490	497596.7	3858622.63	3.62E-07	2.00E-07	-1.62E-07	7.94E-08	4.48E-08	-3.47E-08	3.67E-08	2.07E-08	-1.60E-08	7.94E-08	4.48E-08	-3.47E-08
2491	497696.7	3858622.63	3.63E-07	2.01E-07	-1.62E-07	7.98E-08	4.50E-08	-3.48E-08	3.69E-08	2.08E-08	-1.61E-08	7.98E-08	4.50E-08	-3.48E-08
2492	497796.7	3858622.63	3.67E-07	2.03E-07	-1.64E-07	8.06E-08	4.55E-08	-3.51E-08	3.73E-08	2.10E-08	-1.62E-08	8.06E-08	4.55E-08	-3.51E-08
2493	497896.7	3858622.63	3.72E-07	2.06E-07	-1.66E-07	8.16E-08	4.61E-08	-3.56E-08	3.77E-08	2.13E-08	-1.64E-08	8.16E-08	4.61E-08	-3.56E-08
2494	497396.7	3858722.63	3.63E-07	2.00E-07	-1.62E-07	7.96E-08	4.48E-08	-3.48E-08	3.68E-08	2.07E-08	-1.61E-08	7.96E-08	4.48E-08	-3.48E-08
2495	497496.7	3858722.63	3.65E-07	2.02E-07	-1.63E-07	8.02E-08	4.52E-08	-3.50E-08	3.71E-08	2.09E-08	-1.62E-08	8.02E-08	4.52E-08	-3.50E-08
2496	497596.7	3858722.63	3.72E-07	2.05E-07	-1.66E-07	8.16E-08	4.59E-08	-3.57E-08	3.77E-08	2.12E-08	-1.65E-08	8.16E-08	4.59E-08	-3.57E-08
2497	497696.7	3858722.63	3.74E-07	2.07E-07	-1.67E-07	8.22E-08	4.63E-08	-3.59E-08	3.80E-08	2.14E-08	-1.66E-08	8.22E-08	4.63E-08	-3.59E-08
2498	497796.7	3858722.63	3.76E-07	2.08E-07	-1.68E-07	8.26E-08	4.66E-08	-3.61E-08	3.82E-08	2.15E-08	-1.67E-08	8.26E-08	4.66E-08	-3.61E-08
2499	497896.7	3858722.63	3.80E-07	2.10E-07	-1.70E-07	8.34E-08	4.70E-08	-3.64E-08	3.85E-08	2.17E-08	-1.68E-08	8.34E-08	4.70E-08	-3.64E-08
2500	497396.7	3858822.63	3.72E-07	2.05E-07	-1.67E-07	8.16E-08	4.59E-08	-3.57E-08	3.77E-08	2.12E-08	-1.65E-08	8.16E-08	4.59E-08	-3.57E-08
2501	497496.7	3858822.63	3.73E-07	2.06E-07	-1.67E-07	8.20E-08	4.62E-08	-3.59E-08	3.79E-08	2.13E-08	-1.66E-08	8.20E-08	4.62E-08	-3.59E-08
2502	497596.7	3858822.63	3.80E-07	2.10E-07	-1.70E-07	8.34E-08	4.70E-08	-3.64E-08	3.85E-08	2.17E-08	-1.68E-08	8.34E-08	4.70E-08	-3.64E-08
2503	497696.7	3858822.63	3.83E-07	2.12E-07	-1.72E-07	8.42E-08	4.74E-08	-3.68E-08	3.89E-08	2.19E-08	-1.70E-08	8.42E-08	4.74E-08	-3.68E-08
2504	497796.7	3858822.63	3.84E-07	2.12E-07	-1.72E-07	8.44E-08	4.76E-08	-3.68E-08	3.90E-08	2.20E-08	-1.70E-08	8.44E-08	4.76E-08	-3.68E-08
2505	497896.7	3858822.63	3.90E-07	2.16E-07	-1.75E-07	8.58E-08	4.83E-08	-3.75E-08	3.96E-08	2.23E-08	-1.73E-08	8.58E-08	4.83E-08	-3.75E-08
2506	497396.7	3858922.63	3.80E-07	2.10E-07	-1.70E-07	8.36E-08	4.71E-08	-3.65E-08	3.86E-08	2.17E-08	-1.69E-08	8.36E-08	4.71E-08	-3.65E-08
2507	497496.7	3858922.63	3.87E-07	2.13E-07	-1.73E-07	8.50E-08	4.78E-08	-3.72E-08	3.93E-08	2.21E-08	-1.72E-08	8.50E-08	4.78E-08	-3.72E-08
2508	497596.7	3858922.63	3.86E-07	2.13E-07	-1.73E-07	8.48E-08	4.77E-08	-3.71E-08	3.92E-08	2.21E-08	-1.71E-08	8.48E-08	4.77E-08	-3.71E-08
2509	497696.7	3858922.63	3.92E-07	2.17E-07	-1.76E-07	8.62E-08	4.85E-08	-3.77E-08	3.98E-08	2.24E-08	-1.74E-08	8.62E-08	4.85E-08	-3.77E-08
2510	497796.7	3858922.63	3.98E-07	2.19E-07	-1.78E-07	8.74E-08	4.91E-08	-3.82E-08	4.04E-08	2.27E-08	-1.77E-08	8.74E-08	4.91E-08	-3.82E-08
2511	497896.7	3858922.63	4.04E-07	2.23E-07	-1.81E-07	8.87E-08	4.99E-08	-3.88E-08	4.10E-08	2.31E-08	-1.80E-08	8.87E-08	4.99E-08	-3.88E-08
2512	497364.4	3858201.52	3.25E-07	1.79E-07	-1.46E-07	7.13E-08	4.01E-08	-3.12E-08	3.30E-08	1.85E-08	-1.44E-08	7.13E-08	4.01E-08	-3.12E-08
2513	497414.4	3858201.52	3.26E-07	1.80E-07	-1.46E-07	7.15E-08	4.02E-08	-3.13E-08	3.31E-08	1.86E-08	-1.45E-08	7.15E-08	4.02E-08	-3.13E-08
2514	497464.4	3858201.52	3.27E-07	1.81E-07	-1.47E-07	7.19E-08	4.04E-08	-3.15E-08	3.32E-08	1.87E-08	-1.46E-08	7.19E-08	4.04E-08	-3.15E-08
2515	497514.4	3858201.52	3.28E-07	1.81E-07	-1.47E-07	7.21E-08	4.06E-08	-3.16E-08	3.33E-08	1.87E-08	-1.46E-08	7.21E-08	4.06E-08	-3.16E-08
2516	497564.4	3858201.52	3.27E-07	1.81E-07	-1.47E-07	7.19E-08	4.04E-08	-3.15E-08	3.32E-08	1.87E-08	-1.46E-08	7.19E-08	4.04E-08	-3.15E-08
2517	497614.4	3858201.52	3.27E-07	1.81E-07	-1.47E-07	7.19E-08	4.05E-08	-3.14E-08	3.32E-08	1.87E-08	-1.45E-08	7.19E-08	4.05E-08	-3.14E-08
2518	497364.4	3858251.52	3.29E-07	1.82E-07	-1.48E-07	7.23E-08	4.07E-08	-3.17E-08	3.34E-08	1.88E-08	-1.46E-08	7.23E-08	4.07E-08	-3.17E-08

2519	497414.4	3858251.52	3.31E-07	1.83E-07	-1.48E-07	7.27E-08	4.09E-08	-3.18E-08	3.36E-08	1.89E-08	-1.47E-08	7.27E-08	4.09E-08	-3.18E-08
2520	497464.4	3858251.52	3.30E-07	1.82E-07	-1.48E-07	7.25E-08	4.08E-08	-3.18E-08	3.35E-08	1.88E-08	-1.47E-08	7.25E-08	4.08E-08	-3.18E-08
2521	497514.4	3858251.52	3.28E-07	1.81E-07	-1.47E-07	7.21E-08	4.06E-08	-3.15E-08	3.33E-08	1.88E-08	-1.46E-08	7.21E-08	4.06E-08	-3.15E-08
2522	497564.4	3858251.52	3.28E-07	1.81E-07	-1.47E-07	7.21E-08	4.06E-08	-3.16E-08	3.33E-08	1.87E-08	-1.46E-08	7.21E-08	4.06E-08	-3.16E-08
2523	497614.4	3858251.52	3.27E-07	1.81E-07	-1.47E-07	7.19E-08	4.05E-08	-3.14E-08	3.32E-08	1.87E-08	-1.45E-08	7.19E-08	4.05E-08	-3.14E-08
2524	497364.4	3858301.52	3.32E-07	1.83E-07	-1.49E-07	7.29E-08	4.10E-08	-3.19E-08	3.37E-08	1.89E-08	-1.48E-08	7.29E-08	4.10E-08	-3.19E-08
2525	497414.4	3858301.52	3.33E-07	1.84E-07	-1.49E-07	7.31E-08	4.12E-08	-3.20E-08	3.38E-08	1.90E-08	-1.48E-08	7.31E-08	4.12E-08	-3.20E-08
2526	497464.4	3858301.52	3.31E-07	1.83E-07	-1.48E-07	7.27E-08	4.09E-08	-3.18E-08	3.36E-08	1.89E-08	-1.47E-08	7.27E-08	4.09E-08	-3.18E-08
2527	497514.4	3858301.52	3.30E-07	1.82E-07	-1.48E-07	7.25E-08	4.08E-08	-3.17E-08	3.35E-08	1.89E-08	-1.46E-08	7.25E-08	4.08E-08	-3.17E-08
2528	497564.4	3858301.52	3.29E-07	1.82E-07	-1.48E-07	7.23E-08	4.07E-08	-3.17E-08	3.34E-08	1.88E-08	-1.46E-08	7.23E-08	4.07E-08	-3.17E-08
2529	497614.4	3858301.52	3.28E-07	1.81E-07	-1.47E-07	7.21E-08	4.06E-08	-3.16E-08	3.33E-08	1.87E-08	-1.46E-08	7.21E-08	4.06E-08	-3.16E-08
2530	497364.4	3858351.52	3.35E-07	1.85E-07	-1.50E-07	7.35E-08	4.14E-08	-3.21E-08	3.40E-08	1.91E-08	-1.48E-08	7.35E-08	4.14E-08	-3.21E-08
2531	497414.4	3858351.52	3.34E-07	1.84E-07	-1.49E-07	7.33E-08	4.13E-08	-3.20E-08	3.39E-08	1.91E-08	-1.48E-08	7.33E-08	4.13E-08	-3.20E-08
2532	497464.4	3858351.52	3.34E-07	1.84E-07	-1.50E-07	7.33E-08	4.12E-08	-3.21E-08	3.39E-08	1.91E-08	-1.48E-08	7.33E-08	4.12E-08	-3.21E-08
2533	497514.4	3858351.52	3.33E-07	1.84E-07	-1.49E-07	7.31E-08	4.11E-08	-3.20E-08	3.38E-08	1.90E-08	-1.48E-08	7.31E-08	4.11E-08	-3.20E-08
2534	497564.4	3858351.52	3.31E-07	1.83E-07	-1.48E-07	7.27E-08	4.09E-08	-3.18E-08	3.36E-08	1.89E-08	-1.47E-08	7.27E-08	4.09E-08	-3.18E-08
2535	497614.4	3858351.52	3.30E-07	1.82E-07	-1.48E-07	7.25E-08	4.08E-08	-3.18E-08	3.35E-08	1.88E-08	-1.47E-08	7.25E-08	4.08E-08	-3.18E-08
2536	497364.4	3858401.52	3.36E-07	1.85E-07	-1.50E-07	7.37E-08	4.14E-08	-3.23E-08	3.41E-08	1.92E-08	-1.49E-08	7.37E-08	4.14E-08	-3.23E-08
2537	497414.4	3858401.52	3.36E-07	1.85E-07	-1.50E-07	7.37E-08	4.14E-08	-3.23E-08	3.41E-08	1.92E-08	-1.49E-08	7.37E-08	4.14E-08	-3.23E-08
2538	497464.4	3858401.52	3.35E-07	1.85E-07	-1.50E-07	7.35E-08	4.13E-08	-3.22E-08	3.40E-08	1.91E-08	-1.49E-08	7.35E-08	4.13E-08	-3.22E-08
2539	497514.4	3858401.52	3.34E-07	1.84E-07	-1.50E-07	7.33E-08	4.12E-08	-3.21E-08	3.39E-08	1.91E-08	-1.48E-08	7.33E-08	4.12E-08	-3.21E-08
2540	497564.4	3858401.52	3.36E-07	1.85E-07	-1.50E-07	7.37E-08	4.14E-08	-3.23E-08	3.41E-08	1.92E-08	-1.49E-08	7.37E-08	4.14E-08	-3.23E-08
2541	497614.4	3858401.52	3.36E-07	1.86E-07	-1.50E-07	7.37E-08	4.16E-08	-3.22E-08	3.41E-08	1.92E-08	-1.49E-08	7.37E-08	4.16E-08	-3.22E-08
2542	493478.1	3860497.94	1.64E-06	9.03E-07	-7.36E-07	3.60E-07	2.02E-07	-1.58E-07	1.66E-07	9.34E-08	-7.30E-08	3.60E-07	2.02E-07	-1.58E-07
2543	493528.1	3860497.94	1.61E-06	8.86E-07	-7.23E-07	3.53E-07	1.98E-07	-1.55E-07	1.63E-07	9.17E-08	-7.17E-08	3.53E-07	1.98E-07	-1.55E-07
2544	493478.1	3860547.94	1.71E-06	9.40E-07	-7.66E-07	3.75E-07	2.11E-07	-1.64E-07	1.73E-07	9.73E-08	-7.60E-08	3.75E-07	2.11E-07	-1.64E-07
2545	493528.1	3860547.94	1.68E-06	9.23E-07	-7.53E-07	3.68E-07	2.07E-07	-1.62E-07	1.70E-07	9.56E-08	-7.47E-08	3.68E-07	2.07E-07	-1.62E-07
2546	493478.1	3860597.94	1.78E-06	9.80E-07	-7.98E-07	3.91E-07	2.19E-07	-1.71E-07	1.81E-07	1.01E-07	-7.92E-08	3.91E-07	2.19E-07	-1.71E-07
2547	493528.1	3860597.94	1.75E-06	9.61E-07	-7.84E-07	3.83E-07	2.15E-07	-1.68E-07	1.77E-07	9.95E-08	-7.77E-08	3.83E-07	2.15E-07	-1.68E-07
2548	493561.9	3860524.64	1.62E-06	8.93E-07	-7.29E-07	3.56E-07	2.00E-07	-1.56E-07	1.65E-07	9.24E-08	-7.23E-08	3.56E-07	2.00E-07	-1.56E-07
2549	493591.9	3860524.64	1.60E-06	8.81E-07	-7.19E-07	3.51E-07	1.97E-07	-1.54E-07	1.62E-07	9.11E-08	-7.13E-08	3.51E-07	1.97E-07	-1.54E-07
2550	493561.9	3860554.64	1.66E-06	9.16E-07	-7.47E-07	3.65E-07	2.05E-07	-1.60E-07	1.69E-07	9.48E-08	-7.41E-08	3.65E-07	2.05E-07	-1.60E-07
2551	493591.9	3860554.64	1.64E-06	9.01E-07	-7.35E-07	3.60E-07	2.02E-07	-1.58E-07	1.66E-07	9.33E-08	-7.29E-08	3.60E-07	2.02E-07	-1.58E-07
2552	492880.5	3860293.11	1.93E-06	1.06E-06	-8.64E-07	4.23E-07	2.38E-07	-1.85E-07	1.96E-07	1.10E-07	-8.56E-08	4.23E-07	2.38E-07	-1.85E-07
2553	492930.5	3860293.11	1.86E-06	1.03E-06	-8.35E-07	4.09E-07	2.30E-07	-1.79E-07	1.89E-07	1.06E-07	-8.28E-08	4.09E-07	2.30E-07	-1.79E-07
2554	492980.5	3860293.11	1.80E-06	9.90E-07	-8.06E-07	3.95E-07	2.22E-07	-1.73E-07	1.82E-07	1.02E-07	-7.99E-08	3.95E-07	2.22E-07	-1.73E-07
2555	493030.5	3860293.11	1.69E-06	9.31E-07	-7.58E-07	3.71E-07	2.08E-07	-1.63E-07	1.71E-07	9.63E-08	-7.51E-08	3.71E-07	2.08E-07	-1.63E-07
2556	493080.5	3860293.11	1.58E-06	8.73E-07	-7.12E-07	3.48E-07	1.96E-07	-1.53E-07	1.61E-07	9.04E-08	-7.06E-08	3.48E-07	1.96E-07	-1.53E-07
2557	493130.5	3860293.11	1.59E-06	8.78E-07	-7.16E-07	3.50E-07	1.97E-07	-1.54E-07	1.62E-07	9.09E-08	-7.10E-08	3.50E-07	1.97E-07	-1.54E-07
2558	493180.5	3860293.11	1.59E-06	8.76E-07	-7.15E-07	3.50E-07	1.96E-07	-1.53E-07	1.62E-07	9.07E-08	-7.09E-08	3.50E-07	1.96E-07	-1.53E-07
2559	493230.5	3860293.11	1.56E-06	8.60E-07	-7.02E-07	3.43E-07	1.93E-07	-1.51E-07	1.59E-07	8.90E-08	-6.96E-08	3.43E-07	1.93E-07	-1.51E-07
2560	493280.5	3860293.11	1.50E-06	8.28E-07	-6.77E-07	3.31E-07	1.85E-07	-1.45E-07	1.53E-07	8.57E-08	-6.71E-08	3.31E-07	1.85E-07	-1.45E-07
2561	493330.5	3860293.11	1.46E-06	8.05E-07	-6.58E-07	3.22E-07	1.80E-07	-1.41E-07	1.49E-07	8.33E-08	-6.53E-08	3.22E-07	1.80E-07	-1.41E-07
2562	493380.5	3860293.11	1.43E-06	7.87E-07	-6.43E-07	3.14E-07	1.76E-07	-1.38E-07	1.45E-07	8.14E-08	-6.38E-08	3.14E-07	1.76E-07	-1.38E-07
2563	492880.5	3860343.11	2.02E-06	1.11E-06	-9.04E-07	4.43E-07	2.49E-07	-1.94E-07	2.05E-07	1.15E-07	-8.96E-08	4.43E-07	2.49E-07	-1.94E-07
2564	492930.5	3860343.11	1.95E-06	1.08E-06	-8.74E-07	4.28E-07	2.41E-07	-1.88E-07	1.98E-07	1.11E-07	-8.67E-08	4.28E-07	2.41E-07	-1.88E-07
2565	492980.5	3860343.11	1.83E-06	1.01E-06	-8.23E-07	4.03E-07	2.27E-07	-1.76E-07	1.86E-07	1.05E-07	-8.16E-08	4.03E-07	2.27E-07	-1.76E-07
2566	493030.5	3860343.11	1.78E-06	9.80E-07	-7.97E-07	3.90E-07	2.19E-07	-1.71E-07	1.80E-07	1.01E-07	-7.90E-08	3.90E-07	2.19E-07	-1.71E-07
2567	493080.5	3860343.11	1.68E-06	9.24E-07	-7.52E-07	3.68E-07	2.07E-07	-1.61E-07	1.70E-07	9.56E-08	-7.46E-08	3.68E-07	2.07E-07	-1.61E-07
2568	493130.5	3860343.11	1.65E-06	9.11E-07	-7.42E-07	3.63E-07	2.04E-07	-1.59E-07	1.68E-07	9.42E-08	-7.36E-08	3.63E-07	2.04E-07	-1.59E-07
2569	493180.5	3860343.11	1.65E-06	9.09E-07	-7.41E-07	3.63E-07	2.04E-07	-1.59E-07	1.68E-07	9.41E-08	-7.35E-08	3.63E-07	2.04E-07	-1.59E-07
2570	493230.5	3860343.11	1.62E-06	8.93E-07	-7.28E-07	3.56E-07	2.00E-07	-1.56E-07	1.65E-07	9.24E-08	-7.22E-08	3.56E-07	2.00E-07	-1.56E-07
2571	493280.5	3860343.11	1.56E-06	8.59E-07	-7.01E-07	3.43E-07	1.92E-07	-1.50E-07	1.58E-07	8.89E-08	-6.95E-08	3.43E-07	1.92E-07	-1.50E-07
2572	493330.5	3860343.11	1.51E-06	8.33E-07	-6.80E-07	3.32E-07	1.87E-07	-1.46E-07	1.54E-07	8.62E-08	-6.74E-08	3.32E-07	1.87E-07	-1.46E-07
2573	493380.5	3860343.11	1.48E-06	8.14E-07	-6.65E-07	3.25E-07	1.82E-07	-1.43E-07	1.50E-07	8.43E-08	-6.60E-08	3.25E-07	1.82E-07	-1.43E-07
2574	492880.5	3860393.11	2.11E-06	1.17E-06	-9.47E-07	4.64E-07	2.61E-07	-2.03E-07	2.15E-07	1.21E-07	-9.39E-08	4.64E-07	2.61E-07	-2.03E-07
2575	492930.5	3860393.11	2.03E-06	1.12E-06	-9.12E-07	4.47E-07	2.51E-07	-1.96E-07	2.07E-07	1.16E-07	-9.04E-08	4.47E-07	2.51E-07	-1.96E-07
2576	492980.5	3860393.11	1.94E-06	1.07E-06	-8.70E-07	4.26E-07	2.40E-07	-1.87E-07	1.97E-07	1.11E-07	-8.62E-08	4.26E-07	2.40E-07	-1.87E-07
2577	493030.5	3860393.11	1.86E-06	1.03E-06	-8.36E-07	4.10E-07	2.30E-07	-1.79E-07	1.89E-07	1.06E-07	-8.29E-08	4.10E-07	2.30E-07	-1.79E-07
2578	493080.5	3860393.11	1.76E-06	9.69E-07	-7.88E-07	3.86E-07	2.17E-07	-1.69E-07	1.78E-07	1.00E-07	-7.82E-08	3.86E-07	2.17E-07	-1.69E-07
2579	493130.5	3860393.11	1.74E-06	9.58E-07	-7.80E-07	3.82E-07	2.15E-07	-1.67E-07	1.77E-07	9.92E-08	-7.74E-08	3.82E-07	2.15E-07	-1.67E-07
2580	493180.5	3860393.11	1.73E-06	9.54E-07	-7.77E-07	3.80E-07	2.14E-07	-1.67E-07	1.76E-07	9.88E-08	-7.71E-08	3.80E-07	2.14E-07	-1.67E-07
2581	493230.5	3860393.11	1.69E-06	9.30E-07	-7.58E-07	3.71E-07	2.08E-07	-1.63E-07	1.71E-07	9.62E-08	-7.51E-08	3.71E-07	2.08E-07	-1.63E-07
2582	493280.5	3860393.11	1.62E-06	8.93E-07	-7.28E-07	3.56E-07	2.00E-07	-1.56E-07	1.65E-07	9.24E-08	-7.22E-08	3.56E-07	2.00E-07	-1.56E-07
2583	493330.5	3860393.11	1.57E-06	8.64E-07	-7.05E-07	3.45E-07	1.94E-07	-1.51E-07	1.59E-07	8.95E-08	-6.99E-08	3.45E-07	1.94E-07	-1.51E-07
2584	493380.5	3860393.11	1.53E-06	8.43E-07	-6.89E-07	3.37E-07	1.89E-07	-1.48E-07	1.56E-07	8.73E-08	-6.83E-08	3.37E-07	1.89E-07	-1.48E-07
2585	492880.5	3860443.11	2.21E-06	1.22E-06	-9.90E-07	4.86E-07	2.74E-07	-2.12E-07	2.25E-07	1.26E-07	-9.82E-08	4.86E-07	2.74E-07	-2.12E-07
2586	492930.5	3860443.11	2.14E-06	1.18E-06	-9.59E-07	4.70E-07	2.65E-07	-2.06E-07	2.17E-07	1.22E-07	-9.51E-08	4.70E-07	2.65E-07	-2.06E-07
2587	492980.5	3860443.11	2.05E-06	1.13E-06	-9.19E-07	4.51E-07	2.54E-07	-1.97E-07	2.08E-07	1.17E-07	-9.11E-08	4.51E-07	2.54E-07	-1.97E-07
2588	493030.5	3860443.11	1.97E-06	1.09E-06	-8.83E-07	4.33E-07	2.43E-07	-1.89E-07	2.00E-07	1.12E-07	-8.75E-08	4.33E-07	2.43E-07	-1.89E-07
2589	493080.5	3860443.11	1.90E-06	1.05E-06	-8.54E-07	4.18E-07	2.35E-07	-1.83E-07	1.93E-07	1.09E-07	-8.47E-08	4.18E-07	2.35E-07	-1.83E-07
2590	493130.5	3860443.11	1.84E-06	1.02E-06	-8.27E-07	4.05E-07	2.28E-07	-1.78E-07	1.87E-07	1.05E-07	-8.20E-08	4.05E-07	2.28E-07	-1.78E-07
2591	493180.5	3860443.11	1.83E-06	1.01E-06	-8.19E-07	4.01E-07	2.25E-07	-1.76E-07	1.85E-07	1.04E-07	-8.12E-08	4.01E-07	2.25E-07	-1.76E-07
2592	493230.5	3860443.11	1.75E-06	9.65E-07	-7.86E-07	3.85E-07	2.16E-07	-1.69E-07	1.78E-07	9.99E-08	-7.79E-08	3.85E-07	2.16E-07	-1.69E-07
2593	493280.5	3860443.11	1.69E-06	9.34E-07	-7.61E-07	3.72E-07	2.09E-07	-1.63E-07	1.72E-07	9.66E-08	-7.54E-08	3.72E-07	2.09E-07	-1.63E-07
2594	493330.5	3860443.11	1.63E-06	8.97E-07	-7.32E-07	3.58E-07	2.01E-07	-1.57E-07	1.65E-07	9.29E-08	-7.25E-08	3.58E-07	2.01E-07	-1.57E-07
2595	493380.5	3860443.11	1.60E-06	8.81E-07	-7.19E-07	3.51E-07	1.97E-07	-1.54E-07	1.62E-07	9.12E-08	-7.13E-08	3.51E-07	1.97E-07	-1.54E-07
2596	493180.5	3860493.11	1.90E-06	1.05E-06	-8.51E-07	4.17E-07	2.34E-07	-1.83E-07	1.93E-07	1.08E-07	-8.44E-08	4.17E-07	2.34E-07	-1.83E-07
2597	493230.5	3860493.11	1.83E-06	1.01E-06	-8.22E-07	4.03E-07	2.26E-07	-1.76E-07	1.86E-07	1.05E-07	-8.15E-08	4.03E-07	2.26E-07	-1.76E-07
2598	493280.5	3860493.11	1.77E-06	9.75E-07	-7.94E-07	3.89E-07	2.18E-07	-1.70E-07	1.80E-07	1.01E-07	-7.87E-08	3.89E-07	2.18E-07	-1.70E-07
2599	493330.5	3860493.11	1.71E-06	9.45E-07	-7.69E-07	3.77E-07	2.12E-07	-1.65E-07	1.74E-07	9.78E-08	-7.63E-08	3.77E-07	2.12E-07	-1.65E-07
2600	493380.5	3860493.11	1.68E-06	9.27E-07	-7.55E-07	3.70E-07	2.08E-07	-1.62E-07	1.71E-07	9.59E-08	-7.49E-08	3.70E-07	2.08E-07	-1.62E-07
2601	493330.5	3860543.11	1.79E-06	9.88E-07	-8.05E-07	3.94E-07	2.21E-07	-1.73E-07	1.82E-07	1.02E-07	-7.98E-08	3.94E-07	2.21E-07	-1.73E-07
2602	493380.5	3860543.11	1.76E-06	9.69E-07	-7.89E-07	3.86E-07	2.17E-07	-1.69E-07	1.78E-07	1.00E-07	-7.82E-08	3.86E-07	2.17E-07	-1.69E-07
2603	494135.9	3860876.85	1.81E-06	9.98E-07	-8.13E-07	3.98E-07	2.23E-07	-1.74E-07	1.84E-07	1.03E-07	-8.06E-08	3.98E-07	2.23E-07	-1.74E-07
2604	494185.9	3860876.85	1.78E-06	9.82E-07	-8.00E-07	3.92E-07	2.20E-07	-1.72E-07	1.81E-07	1.02E-07	-7.94E-08	3.92E-07	2.20E-07	-1.72E-07
2605	494135.9	3860926.85	1.93E-06	1.06E-06	-8.68E-07	4.25E-07	2.38E-07	-1.86E-07	1.96E-07	1.10E-07	-8.60E-08	4.25E-07	2.38E-07	-1.86E-07
2606	494185.9	3860926.85	1.90E-06	1.05E-06	-8.52E-07	4.17E-07	2.34E-07	-1.83E-07	1.93E-07	1.08E-07	-8.45E-08	4.17E-07	2.34E-07	-1.83E-07
2607	494135.9	3860976.85	2.07E-06	1.14E-06	-9.30E-07	4.55E-07	2.56E-07	-2.00E-07	2.10E-07	1.18E-07	-9.23E-08	4.55E-07	2.56E-07	-2.00E-07
2608	494185.9	3860976.85	2.03E-06	1.12E-06	-9.13E-07	4.47E-07	2.51E-07	-1.96E-07	2.06E-07	1.16E-07	-9.05E-08	4.47E-07	2.51E-07	-1.96E-07
2609	494135.9	3861026.85	2.24E-06	1.24E-06	-1.01E-06	4.93E-07	2.77E-07	-2.16E-07	2.28E-07	1.28E-07	-9.98E-08	4.93E-07	2.77E-07	-2.16E-07
2610	494185.9	3861026.85	2.20E-06	1.21E-06	-9.86E-07	4.82E-07	2.71E-07	-2.11E-07	2.23E-07	1.25E-07	-9.77E-08	4.82E-07	2.71E-07	-2.11E-07
2611	494135.9	3861076.85	2.45E-06	1.35E-06	-1.10E-06	5.38E-07	3.02E-07	-2.36E-07	2.49E-07	1.40E-07	-1.09E-07	5.38E-07	3.02E-07	-2.36E-07
2612	494185.9	3861076.85	2.39E-06	1.32E-06	-1.07E-06	5.26E-07	2.95E-07	-2.31E-07	2.43E-07	1.36E-07	-1.07E-07	5.26E-07	2.95E-07	-2.31E-07
2613	490360	3858710.04	1.73E-06	9.26E-07	-8.00E-07	3.79E-07	2.07E-07	-1.72E-07	1.75E-07	9.58E-08	-7.94E-08	3.79E-07	2.07E-07	-1.72E-07
2614	490410	3858710.04	1.68E-06	9.00E-07	-7.77E-07	3.69E-07	2.02E-07	-1.67E-07	1.70E-07	9.32E-08	-7.72E-08	3.69E-07	2.02E-07	-1.67E-07
2615	490460	3858710.04	1.62E-06	8.70E-07	-7.51E-07	3.56E-07	1.95E-07	-1.61E-07	1.65E-07	9.01E-08	-7.46E-08	3.56E-07	1.95E-07	-1.61E-07
2616	490510	3858710.04	1.58E-06	8.47E-07	-7.31E-07	3.47E-07	1.90E-07	-1.57E-07	1.60E-07	8.76E-08	-7.26E-08	3.47E-07	1.90E-07	-1.57E-07
2617	490560	3858710.04	1.54E-06	8.26E-07	-7.13E-07	3.38E-07	1.85E-07	-1.53E-07	1.56E-07	8.55E-08	-7.08E-08	3.38E-07	1.85E-07	-1.53E-07
2618	490610	3858710.04	1.50E-06	8.05E-07	-6.95E-07	3.30E-07	1.80E-07	-1.49E-07	1.52E-07	8.33E-08	-6.90E-08	3.30E-07	1.80E-07	-1.49E-07
2619	490660	3858710.04	1.47E-06	7.90E-07	-6.82E-07	3.23E-07	1.77E-07	-1.46E-07	1.49E-07	8.17E-08	-6.77E-08	3.23E-07	1.77E-07	-1.46E-07
2620	490710	3858710.04	1.43E-06	7.68E-07	-6.62E-07	3.14E-07	1.72E-07	-1.42E-07	1.45E-07	7.95E-08	-6.58E-08	3.14E-07	1.72E-07	-1.42E-07
2621	490760	3858710.04	1.39E-06	7.49E-07	-6.46E-07	3.06E-07	1.68E-07	-1.39E-07	1.42E-07	7.75E-08	-6.41E-08	3.06E-07	1.68E-07	-1.39E-07
2622	490810	3858710.04	1.36E-06	7.30E-07	-6.30E-07	2.99E-07	1.64E-07	-1.35E-07	1.38E-07	7.56E-08	-6.25E-08	2.99E-07	1.64E-07	-1.35E-07
2623	490860	3858710.04	1.32E-06	7.10E-07	-6.12E-07	2.90E-07	1.59E-07	-1.31E-07	1.34E-07	7.35E-08	-6.07E-08	2.90E-07	1.59E-07	-1.31E-07

2624	490360	3858760.04	1.80E-06	9.65E-07	-8.33E-07	3.95E-07	2.16E-07	-1.79E-07	1.83E-07	9.98E-08	-8.28E-08	3.95E-07	2.16E-07	-1.79E-07
2625	490410	3858760.04	1.74E-06	9.35E-07	-8.08E-07	3.83E-07	2.09E-07	-1.74E-07	1.77E-07	9.68E-08	-8.02E-08	3.83E-07	2.09E-07	-1.74E-07
2626	490460	3858760.04	1.69E-06	9.06E-07	-7.82E-07	3.71E-07	2.03E-07	-1.68E-07	1.71E-07	9.37E-08	-7.76E-08	3.71E-07	2.03E-07	-1.68E-07
2627	490510	3858760.04	1.63E-06	8.76E-07	-7.57E-07	3.59E-07	1.96E-07	-1.63E-07	1.66E-07	9.07E-08	-7.51E-08	3.59E-07	1.96E-07	-1.63E-07
2628	490560	3858760.04	1.59E-06	8.52E-07	-7.35E-07	3.49E-07	1.91E-07	-1.58E-07	1.61E-07	8.81E-08	-7.30E-08	3.49E-07	1.91E-07	-1.58E-07
2629	490610	3858760.04	1.54E-06	8.27E-07	-7.14E-07	3.39E-07	1.85E-07	-1.53E-07	1.56E-07	8.56E-08	-7.09E-08	3.39E-07	1.85E-07	-1.53E-07
2630	490660	3858760.04	1.50E-06	8.05E-07	-6.94E-07	3.29E-07	1.80E-07	-1.49E-07	1.52E-07	8.33E-08	-6.89E-08	3.29E-07	1.80E-07	-1.49E-07
2631	490710	3858760.04	1.46E-06	7.84E-07	-6.76E-07	3.21E-07	1.76E-07	-1.45E-07	1.48E-07	8.11E-08	-6.71E-08	3.21E-07	1.76E-07	-1.45E-07
2632	490760	3858760.04	1.42E-06	7.61E-07	-6.56E-07	3.11E-07	1.71E-07	-1.41E-07	1.44E-07	7.88E-08	-6.52E-08	3.11E-07	1.71E-07	-1.41E-07
2633	490810	3858760.04	1.38E-06	7.41E-07	-6.38E-07	3.03E-07	1.66E-07	-1.37E-07	1.40E-07	7.67E-08	-6.34E-08	3.03E-07	1.66E-07	-1.37E-07
2634	490860	3858760.04	1.35E-06	7.23E-07	-6.23E-07	2.96E-07	1.62E-07	-1.34E-07	1.37E-07	7.48E-08	-6.18E-08	2.96E-07	1.62E-07	-1.34E-07
2635	490360	3858810.04	1.87E-06	1.00E-06	-8.66E-07	4.11E-07	2.25E-07	-1.86E-07	1.90E-07	1.04E-07	-8.60E-08	4.11E-07	2.25E-07	-1.86E-07
2636	490410	3858810.04	1.81E-06	9.70E-07	-8.38E-07	3.97E-07	2.17E-07	-1.80E-07	1.84E-07	1.00E-07	-8.32E-08	3.97E-07	2.17E-07	-1.80E-07
2637	490460	3858810.04	1.75E-06	9.38E-07	-8.10E-07	3.84E-07	2.10E-07	-1.74E-07	1.77E-07	9.71E-08	-8.04E-08	3.84E-07	2.10E-07	-1.74E-07
2638	490510	3858810.04	1.70E-06	9.11E-07	-7.86E-07	3.73E-07	2.04E-07	-1.69E-07	1.72E-07	9.43E-08	-7.81E-08	3.73E-07	2.04E-07	-1.69E-07
2639	490560	3858810.04	1.65E-06	8.84E-07	-7.63E-07	3.62E-07	1.98E-07	-1.64E-07	1.67E-07	9.15E-08	-7.57E-08	3.62E-07	1.98E-07	-1.64E-07
2640	490610	3858810.04	1.59E-06	8.54E-07	-7.37E-07	3.50E-07	1.91E-07	-1.58E-07	1.62E-07	8.84E-08	-7.32E-08	3.50E-07	1.91E-07	-1.58E-07
2641	490660	3858810.04	1.54E-06	8.29E-07	-7.15E-07	3.39E-07	1.86E-07	-1.54E-07	1.57E-07	8.58E-08	-7.10E-08	3.39E-07	1.86E-07	-1.54E-07
2642	490710	3858810.04	1.50E-06	8.04E-07	-6.92E-07	3.29E-07	1.80E-07	-1.49E-07	1.52E-07	8.32E-08	-6.87E-08	3.29E-07	1.80E-07	-1.49E-07
2643	490760	3858810.04	1.44E-06	7.75E-07	-6.67E-07	3.17E-07	1.74E-07	-1.43E-07	1.47E-07	8.02E-08	-6.63E-08	3.17E-07	1.74E-07	-1.43E-07
2644	490810	3858810.04	1.41E-06	7.59E-07	-6.53E-07	3.10E-07	1.70E-07	-1.40E-07	1.43E-07	7.85E-08	-6.49E-08	3.10E-07	1.70E-07	-1.40E-07
2645	490860	3858810.04	1.37E-06	7.37E-07	-6.33E-07	3.01E-07	1.65E-07	-1.36E-07	1.39E-07	7.62E-08	-6.29E-08	3.01E-07	1.65E-07	-1.36E-07
2646	490360	3858860.04	1.94E-06	1.04E-06	-8.98E-07	4.26E-07	2.33E-07	-1.93E-07	1.97E-07	1.08E-07	-8.91E-08	4.26E-07	2.33E-07	-1.93E-07
2647	490410	3858860.04	1.89E-06	1.01E-06	-8.73E-07	4.14E-07	2.27E-07	-1.88E-07	1.91E-07	1.05E-07	-8.67E-08	4.14E-07	2.27E-07	-1.88E-07
2648	490460	3858860.04	1.82E-06	9.75E-07	-8.40E-07	3.99E-07	2.18E-07	-1.80E-07	1.84E-07	1.01E-07	-8.34E-08	3.99E-07	2.18E-07	-1.80E-07
2649	490510	3858860.04	1.77E-06	9.50E-07	-8.19E-07	3.89E-07	2.13E-07	-1.76E-07	1.80E-07	9.83E-08	-8.13E-08	3.89E-07	2.13E-07	-1.76E-07
2650	490560	3858860.04	1.71E-06	9.18E-07	-7.91E-07	3.75E-07	2.05E-07	-1.70E-07	1.73E-07	9.50E-08	-7.85E-08	3.75E-07	2.05E-07	-1.70E-07
2651	490610	3858860.04	1.64E-06	8.81E-07	-7.58E-07	3.60E-07	1.97E-07	-1.63E-07	1.66E-07	9.11E-08	-7.53E-08	3.60E-07	1.97E-07	-1.63E-07
2652	490660	3858860.04	1.59E-06	8.54E-07	-7.35E-07	3.49E-07	1.91E-07	-1.58E-07	1.61E-07	8.84E-08	-7.30E-08	3.49E-07	1.91E-07	-1.58E-07
2653	490710	3858860.04	1.55E-06	8.31E-07	-7.15E-07	3.40E-07	1.86E-07	-1.54E-07	1.57E-07	8.60E-08	-7.10E-08	3.40E-07	1.86E-07	-1.54E-07
2654	490760	3858860.04	1.49E-06	8.02E-07	-6.89E-07	3.27E-07	1.80E-07	-1.48E-07	1.51E-07	8.30E-08	-6.84E-08	3.27E-07	1.80E-07	-1.48E-07
2655	490810	3858860.04	1.44E-06	7.75E-07	-6.65E-07	3.16E-07	1.74E-07	-1.43E-07	1.46E-07	8.02E-08	-6.60E-08	3.16E-07	1.74E-07	-1.43E-07
2656	490860	3858860.04	1.39E-06	7.49E-07	-6.43E-07	3.06E-07	1.68E-07	-1.38E-07	1.41E-07	7.75E-08	-6.38E-08	3.06E-07	1.68E-07	-1.38E-07
2657	490360	3858910.04	2.05E-06	1.10E-06	-9.47E-07	4.50E-07	2.46E-07	-2.03E-07	2.08E-07	1.14E-07	-9.40E-08	4.50E-07	2.46E-07	-2.03E-07
2658	490410	3858910.04	1.98E-06	1.06E-06	-9.13E-07	4.34E-07	2.38E-07	-1.96E-07	2.01E-07	1.10E-07	-9.07E-08	4.34E-07	2.38E-07	-1.96E-07
2659	490460	3858910.04	1.91E-06	1.02E-06	-8.81E-07	4.19E-07	2.29E-07	-1.89E-07	1.93E-07	1.06E-07	-8.75E-08	4.19E-07	2.29E-07	-1.89E-07
2660	490510	3858910.04	1.83E-06	9.86E-07	-8.48E-07	4.03E-07	2.21E-07	-1.82E-07	1.86E-07	1.02E-07	-8.42E-08	4.03E-07	2.21E-07	-1.82E-07
2661	490560	3858910.04	1.76E-06	9.49E-07	-8.15E-07	3.88E-07	2.12E-07	-1.75E-07	1.79E-07	9.82E-08	-8.10E-08	3.88E-07	2.12E-07	-1.75E-07
2662	490610	3858910.04	1.70E-06	9.12E-07	-7.84E-07	3.73E-07	2.04E-07	-1.68E-07	1.72E-07	9.44E-08	-7.78E-08	3.73E-07	2.04E-07	-1.68E-07
2663	490660	3858910.04	1.64E-06	8.82E-07	-7.58E-07	3.60E-07	1.98E-07	-1.63E-07	1.67E-07	9.13E-08	-7.52E-08	3.60E-07	1.98E-07	-1.63E-07
2664	490710	3858910.04	1.58E-06	8.51E-07	-7.30E-07	3.47E-07	1.91E-07	-1.57E-07	1.61E-07	8.81E-08	-7.25E-08	3.47E-07	1.91E-07	-1.57E-07
2665	490760	3858910.04	1.52E-06	8.18E-07	-7.02E-07	3.34E-07	1.83E-07	-1.51E-07	1.54E-07	8.46E-08	-6.96E-08	3.34E-07	1.83E-07	-1.51E-07
2666	490810	3858910.04	1.47E-06	7.93E-07	-6.80E-07	3.24E-07	1.78E-07	-1.46E-07	1.50E-07	8.20E-08	-6.75E-08	3.24E-07	1.78E-07	-1.46E-07
2667	490860	3858910.04	1.42E-06	7.63E-07	-6.53E-07	3.11E-07	1.71E-07	-1.40E-07	1.44E-07	7.89E-08	-6.48E-08	3.11E-07	1.71E-07	-1.40E-07
2668	490360	3858960.04	2.15E-06	1.16E-06	-9.91E-07	4.72E-07	2.59E-07	-2.13E-07	2.18E-07	1.20E-07	-9.84E-08	4.72E-07	2.59E-07	-2.13E-07
2669	490410	3858960.04	2.06E-06	1.11E-06	-9.52E-07	4.53E-07	2.48E-07	-2.04E-07	2.09E-07	1.15E-07	-9.45E-08	4.53E-07	2.48E-07	-2.04E-07
2670	490460	3858960.04	1.98E-06	1.06E-06	-9.12E-07	4.34E-07	2.38E-07	-1.96E-07	2.01E-07	1.10E-07	-9.06E-08	4.34E-07	2.38E-07	-1.96E-07
2671	490510	3858960.04	1.90E-06	1.02E-06	-8.77E-07	4.17E-07	2.29E-07	-1.88E-07	1.93E-07	1.06E-07	-8.70E-08	4.17E-07	2.29E-07	-1.88E-07
2672	490560	3858960.04	1.83E-06	9.84E-07	-8.43E-07	4.01E-07	2.20E-07	-1.81E-07	1.86E-07	1.02E-07	-8.37E-08	4.01E-07	2.20E-07	-1.81E-07
2673	490610	3858960.04	1.75E-06	9.41E-07	-8.06E-07	3.84E-07	2.11E-07	-1.73E-07	1.77E-07	9.74E-08	-8.00E-08	3.84E-07	2.11E-07	-1.73E-07
2674	490660	3858960.04	1.70E-06	9.14E-07	-7.83E-07	3.73E-07	2.05E-07	-1.68E-07	1.72E-07	9.46E-08	-7.77E-08	3.73E-07	2.05E-07	-1.68E-07
2675	490710	3858960.04	1.63E-06	8.76E-07	-7.50E-07	3.57E-07	1.96E-07	-1.61E-07	1.65E-07	9.06E-08	-7.44E-08	3.57E-07	1.96E-07	-1.61E-07
2676	490760	3858960.04	1.56E-06	8.43E-07	-7.21E-07	3.43E-07	1.89E-07	-1.55E-07	1.59E-07	8.72E-08	-7.16E-08	3.43E-07	1.89E-07	-1.55E-07
2677	490810	3858960.04	1.50E-06	8.11E-07	-6.94E-07	3.31E-07	1.82E-07	-1.49E-07	1.53E-07	8.40E-08	-6.89E-08	3.31E-07	1.82E-07	-1.49E-07
2678	490860	3858960.04	1.44E-06	7.79E-07	-6.65E-07	3.17E-07	1.74E-07	-1.43E-07	1.47E-07	8.06E-08	-6.60E-08	3.17E-07	1.74E-07	-1.43E-07
2679	490360	3859010.04	2.26E-06	1.22E-06	-1.04E-06	4.96E-07	2.73E-07	-2.24E-07	2.29E-07	1.26E-07	-1.03E-07	4.96E-07	2.73E-07	-2.24E-07
2680	490410	3859010.04	2.16E-06	1.16E-06	-9.94E-07	4.74E-07	2.60E-07	-2.14E-07	2.19E-07	1.20E-07	-9.87E-08	4.74E-07	2.60E-07	-2.14E-07
2681	490460	3859010.04	2.05E-06	1.11E-06	-9.45E-07	4.50E-07	2.47E-07	-2.03E-07	2.08E-07	1.14E-07	-9.38E-08	4.50E-07	2.47E-07	-2.03E-07
2682	490510	3859010.04	1.95E-06	1.05E-06	-8.99E-07	4.29E-07	2.36E-07	-1.93E-07	1.98E-07	1.09E-07	-8.93E-08	4.29E-07	2.36E-07	-1.93E-07
2683	490560	3859010.04	1.89E-06	1.02E-06	-8.70E-07	4.15E-07	2.28E-07	-1.87E-07	1.92E-07	1.05E-07	-8.64E-08	4.15E-07	2.28E-07	-1.87E-07
2684	490610	3859010.04	1.80E-06	9.71E-07	-8.30E-07	3.96E-07	2.18E-07	-1.78E-07	1.83E-07	1.01E-07	-8.24E-08	3.96E-07	2.18E-07	-1.78E-07
2685	490660	3859010.04	1.75E-06	9.44E-07	-8.06E-07	3.84E-07	2.11E-07	-1.73E-07	1.78E-07	9.76E-08	-8.00E-08	3.84E-07	2.11E-07	-1.73E-07
2686	490710	3859010.04	1.67E-06	9.01E-07	-7.69E-07	3.67E-07	2.02E-07	-1.65E-07	1.70E-07	9.33E-08	-7.64E-08	3.67E-07	2.02E-07	-1.65E-07
2687	490760	3859010.04	1.60E-06	8.64E-07	-7.38E-07	3.52E-07	1.94E-07	-1.58E-07	1.63E-07	8.95E-08	-7.32E-08	3.52E-07	1.94E-07	-1.58E-07
2688	490810	3859010.04	1.54E-06	8.29E-07	-7.07E-07	3.38E-07	1.86E-07	-1.52E-07	1.56E-07	8.58E-08	-7.02E-08	3.38E-07	1.86E-07	-1.52E-07
2689	490860	3859010.04	1.48E-06	7.99E-07	-6.81E-07	3.25E-07	1.79E-07	-1.46E-07	1.50E-07	8.27E-08	-6.76E-08	3.25E-07	1.79E-07	-1.46E-07
2690	490360	3859060.04	2.38E-06	1.28E-06	-1.09E-06	5.23E-07	2.88E-07	-2.35E-07	2.42E-07	1.33E-07	-1.09E-07	5.23E-07	2.88E-07	-2.35E-07
2691	490410	3859060.04	2.24E-06	1.21E-06	-1.03E-06	4.93E-07	2.71E-07	-2.22E-07	2.28E-07	1.25E-07	-1.02E-07	4.93E-07	2.71E-07	-2.22E-07
2692	490460	3859060.04	2.13E-06	1.15E-06	-9.81E-07	4.69E-07	2.58E-07	-2.11E-07	2.17E-07	1.19E-07	-9.74E-08	4.69E-07	2.58E-07	-2.11E-07
2693	490510	3859060.04	2.04E-06	1.10E-06	-9.38E-07	4.48E-07	2.46E-07	-2.01E-07	2.07E-07	1.14E-07	-9.31E-08	4.48E-07	2.46E-07	-2.01E-07
2694	490560	3859060.04	1.94E-06	1.05E-06	-8.91E-07	4.26E-07	2.34E-07	-1.91E-07	1.97E-07	1.08E-07	-8.85E-08	4.26E-07	2.34E-07	-1.91E-07
2695	490610	3859060.04	1.86E-06	1.01E-06	-8.58E-07	4.10E-07	2.25E-07	-1.84E-07	1.89E-07	1.04E-07	-8.52E-08	4.10E-07	2.25E-07	-1.84E-07
2696	490660	3859060.04	1.80E-06	9.71E-07	-8.27E-07	3.95E-07	2.17E-07	-1.78E-07	1.83E-07	1.00E-07	-8.21E-08	3.95E-07	2.17E-07	-1.78E-07
2697	490710	3859060.04	1.71E-06	9.26E-07	-7.88E-07	3.76E-07	2.07E-07	-1.69E-07	1.74E-07	9.58E-08	-7.82E-08	3.76E-07	2.07E-07	-1.69E-07
2698	490760	3859060.04	1.64E-06	8.86E-07	-7.54E-07	3.60E-07	1.98E-07	-1.62E-07	1.67E-07	9.17E-08	-7.48E-08	3.60E-07	1.98E-07	-1.62E-07
2699	490810	3859060.04	1.57E-06	8.49E-07	-7.22E-07	3.45E-07	1.90E-07	-1.55E-07	1.59E-07	8.78E-08	-7.16E-08	3.45E-07	1.90E-07	-1.55E-07
2700	490860	3859060.04	1.51E-06	8.16E-07	-6.93E-07	3.32E-07	1.83E-07	-1.49E-07	1.53E-07	8.44E-08	-6.88E-08	3.32E-07	1.83E-07	-1.49E-07
2701	490360	3859110.04	2.53E-06	1.37E-06	-1.16E-06	5.57E-07	3.07E-07	-2.50E-07	2.57E-07	1.42E-07	-1.15E-07	5.57E-07	3.07E-07	-2.50E-07
2702	490410	3859110.04	2.38E-06	1.29E-06	-1.09E-06	5.23E-07	2.88E-07	-2.35E-07	2.42E-07	1.33E-07	-1.08E-07	5.23E-07	2.88E-07	-2.35E-07
2703	490460	3859110.04	2.26E-06	1.22E-06	-1.04E-06	4.98E-07	2.74E-07	-2.23E-07	2.30E-07	1.27E-07	-1.03E-07	4.98E-07	2.74E-07	-2.23E-07
2704	490510	3859110.04	2.12E-06	1.14E-06	-9.72E-07	4.65E-07	2.56E-07	-2.09E-07	2.15E-07	1.18E-07	-9.65E-08	4.65E-07	2.56E-07	-2.09E-07
2705	490560	3859110.04	2.02E-06	1.09E-06	-9.26E-07	4.43E-07	2.44E-07	-1.99E-07	2.05E-07	1.13E-07	-9.19E-08	4.43E-07	2.44E-07	-1.99E-07
2706	490610	3859110.04	1.92E-06	1.04E-06	-8.81E-07	4.21E-07	2.32E-07	-1.89E-07	1.95E-07	1.07E-07	-8.74E-08	4.21E-07	2.32E-07	-1.89E-07
2707	490660	3859110.04	1.82E-06	9.85E-07	-8.36E-07	4.00E-07	2.21E-07	-1.80E-07	1.85E-07	1.02E-07	-8.30E-08	4.00E-07	2.21E-07	-1.80E-07
2708	490710	3859110.04	1.75E-06	9.49E-07	-8.05E-07	3.85E-07	2.12E-07	-1.73E-07	1.78E-07	9.82E-08	-7.99E-08	3.85E-07	2.12E-07	-1.73E-07
2709	490760	3859110.04	1.68E-06	9.09E-07	-7.71E-07	3.69E-07	2.04E-07	-1.65E-07	1.71E-07	9.41E-08	-7.65E-08	3.69E-07	2.04E-07	-1.65E-07
2710	490810	3859110.04	1.60E-06	8.68E-07	-7.36E-07	3.52E-07	1.94E-07	-1.58E-07	1.63E-07	8.98E-08	-7.30E-08	3.52E-07	1.94E-07	-1.58E-07
2711	490860	3859110.04	1.53E-06	8.31E-07	-7.03E-07	3.37E-07	1.86E-07	-1.51E-07	1.56E-07	8.60E-08	-6.98E-08	3.37E-07	1.86E-07	-1.51E-07
2712	490360	3859160.04	2.72E-06	1.48E-06	-1.25E-06	5.99E-07	3.31E-07	-2.68E-07	2.77E-07	1.53E-07	-1.24E-07	5.99E-07	3.31E-07	-2.68E-07
2713	490410	3859160.04	2.55E-06	1.38E-06	-1.17E-06	5.61E-07	3.10E-07	-2.51E-07	2.59E-07	1.43E-07	-1.16E-07	5.61E-07	3.10E-07	-2.51E-07
2714	490460	3859160.04	2.40E-06	1.30E-06	-1.10E-06	5.28E-07	2.92E-07	-2.37E-07	2.44E-07	1.35E-07	-1.09E-07	5.28E-07	2.92E-07	-2.37E-07
2715	490510	3859160.04	2.27E-06	1.23E-06	-1.04E-06	4.98E-07	2.75E-07	-2.23E-07	2.30E-07	1.27E-07	-1.03E-07	4.98E-07	2.75E-07	-2.23E-07
2716	490560	3859160.04	2.13E-06	1.15E-06	-9.74E-07	4.67E-07	2.58E-07	-2.09E-07	2.16E-07	1.19E-07	-9.67E-08	4.67E-07	2.58E-07	-2.09E-07
2717	490610	3859160.04	2.02E-06	1.10E-06	-9.28E-07	4.45E-07	2.46E-07	-1.99E-07	2.06E-07	1.14E-07	-9.21E-08	4.45E-07	2.46E-07	-1.99E-07
2718	490660	3859160.04	1.88E-06	1.02E-06	-8.62E-07	4.13E-07	2.28E-07	-1.85E-07	1.91E-07	1.05E-07	-8.55E-08	4.13E-07	2.28E-07	-1.85E-07
2719	490710	3859160.04	1.81E-06	9.78E-07	-8.27E-07	3.97E-07	2.19E-07	-1.78E-07	1.83E-07	1.01E-07	-8.21E-08	3.97E-07	2.19E-07	-1.78E-07
2720	490760	3859160.04	1.71E-06	9.26E-07	-7.82E-07	3.75E-07	2.07E-07	-1.68E-07	1.73E-07	9.58E-08	-7.76E-08	3.75E-07	2.07E-07	-1.68E-07
2721	490810	3859160.04	1.64E-06	8.91E-07	-7.52E-07	3.61E-07	1.99E-07	-1.61E-07	1.67E-07	9.22E-08	-7.46E-08	3.61E-07	1.99E-07	-1.61E-07
2722	490860	3859160.04	1.58E-06	8.56E-07	-7.22E-07	3.47E-07	1.92E-07	-1.55E-07	1.60E-07	8.86E-08	-7.17E-08	3.47E-07	1.92E-07	-1.55E-07
2723	490360	3859210.04	2.95E-06	1.60E-06	-1.35E-06	6.49E-07	3.59E-07	-2.90E-07	3.00E-07	1.66E-07	-1.34E-07	6.49E-07	3.59E-07	-2.90E-07
2724	490410	3859210.04	2.80E-06	1.52E-06	-1.28E-06	6.14E-07	3.40E-07	-2.74E-07	2.84E-07	1.57E-07	-1.27E-07	6.14E-07	3.40E-07	-2.74E-07
2725	490460	3859210.04	2.57E-06	1.40E-06	-1.18E-06	5.66E-07	3.13E-07	-2.53E-07	2.61E-07	1.45E-07	-1.17E-07	5.66E-07	3.13E-07	-2.53E-07
2726	490510	3859210.04	2.41E-06	1.31E-06	-1.10E-06	5.30E-07	2.93E-07	-2.37E-07	2.45E-07	1.35E-07	-1.09E-07	5.30E-07	2.93E-07	-2.37E-07
2727	490560	3859210.04	2.29E-06	1.24E-06	-1.05E-06	5.03E-07	2.78E-07	-2.25E-07	2.32E-07	1.29E-07	-1.04E-07	5.03E-07	2.78E-07	-2.25E-07
2728	490610	3859210.04	2.16E-06	1.17E-06	-9.86E-07	4.74E-07	2.62E-07	-2.12E-07	2.19E-07	1.21E-07	-9.78E-08	4.74E-07	2.62E-07	-2.12E-07

2729	490660	3859210.04	2.00E-06	1.09E-06	-9.16E-07	4.40E-07	2.43E-07	-1.97E-07	2.03E-07	1.12E-07	-9.09E-08	4.40E-07	2.43E-07	-1.97E-07
2730	490710	3859210.04	1.90E-06	1.03E-06	-8.69E-07	4.17E-07	2.31E-07	-1.87E-07	1.93E-07	1.07E-07	-8.62E-08	4.17E-07	2.31E-07	-1.87E-07
2731	490760	3859210.04	1.80E-06	9.76E-07	-8.21E-07	3.95E-07	2.19E-07	-1.76E-07	1.82E-07	1.01E-07	-8.15E-08	3.95E-07	2.19E-07	-1.76E-07
2732	490810	3859210.04	1.75E-06	9.49E-07	-7.98E-07	3.84E-07	2.12E-07	-1.71E-07	1.77E-07	9.82E-08	-7.92E-08	3.84E-07	2.12E-07	-1.71E-07
2733	490860	3859210.04	1.70E-06	9.22E-07	-7.75E-07	3.73E-07	2.06E-07	-1.66E-07	1.72E-07	9.54E-08	-7.69E-08	3.73E-07	2.06E-07	-1.66E-07
2734	490360	3859260.04	3.21E-06	1.75E-06	-1.46E-06	7.05E-07	3.91E-07	-3.14E-07	3.26E-07	1.81E-07	-1.45E-07	7.05E-07	3.91E-07	-3.14E-07
2735	490410	3859260.04	3.01E-06	1.64E-06	-1.37E-06	6.61E-07	3.67E-07	-2.94E-07	3.06E-07	1.69E-07	-1.36E-07	6.61E-07	3.67E-07	-2.94E-07
2736	490460	3859260.04	2.84E-06	1.55E-06	-1.30E-06	6.25E-07	3.46E-07	-2.78E-07	2.89E-07	1.60E-07	-1.29E-07	6.25E-07	3.46E-07	-2.78E-07
2737	490510	3859260.04	2.69E-06	1.46E-06	-1.23E-06	5.91E-07	3.27E-07	-2.63E-07	2.73E-07	1.51E-07	-1.22E-07	5.91E-07	3.27E-07	-2.63E-07
2738	490560	3859260.04	2.52E-06	1.37E-06	-1.15E-06	5.53E-07	3.07E-07	-2.47E-07	2.56E-07	1.42E-07	-1.14E-07	5.53E-07	3.07E-07	-2.47E-07
2739	490610	3859260.04	2.33E-06	1.27E-06	-1.06E-06	5.12E-07	2.84E-07	-2.28E-07	2.37E-07	1.31E-07	-1.05E-07	5.12E-07	2.84E-07	-2.28E-07
2740	490660	3859260.04	2.24E-06	1.22E-06	-1.02E-06	4.93E-07	2.73E-07	-2.20E-07	2.28E-07	1.26E-07	-1.02E-07	4.93E-07	2.73E-07	-2.20E-07
2741	490710	3859260.04	2.12E-06	1.15E-06	-9.70E-07	4.67E-07	2.59E-07	-2.08E-07	2.16E-07	1.20E-07	-9.62E-08	4.67E-07	2.59E-07	-2.08E-07
2742	490760	3859260.04	1.99E-06	1.08E-06	-9.09E-07	4.38E-07	2.42E-07	-1.95E-07	2.02E-07	1.12E-07	-9.02E-08	4.38E-07	2.42E-07	-1.95E-07
2743	490810	3859260.04	1.92E-06	1.04E-06	-8.76E-07	4.22E-07	2.34E-07	-1.88E-07	1.95E-07	1.08E-07	-8.69E-08	4.22E-07	2.34E-07	-1.88E-07
2744	490860	3859260.04	1.85E-06	1.01E-06	-8.46E-07	4.08E-07	2.26E-07	-1.82E-07	1.88E-07	1.04E-07	-8.40E-08	4.08E-07	2.26E-07	-1.82E-07
2745	490360	3859310.04	3.59E-06	1.96E-06	-1.63E-06	7.90E-07	4.39E-07	-3.50E-07	3.65E-07	2.03E-07	-1.62E-07	7.90E-07	4.39E-07	-3.50E-07
2746	490410	3859310.04	3.35E-06	1.83E-06	-1.52E-06	7.35E-07	4.09E-07	-3.26E-07	3.40E-07	1.89E-07	-1.51E-07	7.35E-07	4.09E-07	-3.26E-07
2747	490460	3859310.04	3.14E-06	1.71E-06	-1.43E-06	6.90E-07	3.83E-07	-3.06E-07	3.19E-07	1.77E-07	-1.42E-07	6.90E-07	3.83E-07	-3.06E-07
2748	490510	3859310.04	2.97E-06	1.62E-06	-1.35E-06	6.53E-07	3.63E-07	-2.90E-07	3.02E-07	1.68E-07	-1.34E-07	6.53E-07	3.63E-07	-2.90E-07
2749	490560	3859310.04	2.81E-06	1.53E-06	-1.28E-06	6.17E-07	3.43E-07	-2.74E-07	2.85E-07	1.58E-07	-1.27E-07	6.17E-07	3.43E-07	-2.74E-07
2750	490610	3859310.04	2.67E-06	1.46E-06	-1.22E-06	5.87E-07	3.26E-07	-2.61E-07	2.71E-07	1.51E-07	-1.21E-07	5.87E-07	3.26E-07	-2.61E-07
2751	490660	3859310.04	2.53E-06	1.38E-06	-1.15E-06	5.55E-07	3.08E-07	-2.47E-07	2.56E-07	1.42E-07	-1.14E-07	5.55E-07	3.08E-07	-2.47E-07
2752	490710	3859310.04	2.34E-06	1.27E-06	-1.06E-06	5.13E-07	2.85E-07	-2.28E-07	2.37E-07	1.32E-07	-1.06E-07	5.13E-07	2.85E-07	-2.28E-07
2753	490760	3859310.04	2.21E-06	1.21E-06	-1.01E-06	4.86E-07	2.70E-07	-2.16E-07	2.25E-07	1.25E-07	-1.00E-07	4.86E-07	2.70E-07	-2.16E-07
2754	490810	3859310.04	2.12E-06	1.16E-06	-9.67E-07	4.67E-07	2.59E-07	-2.08E-07	2.16E-07	1.20E-07	-9.60E-08	4.67E-07	2.59E-07	-2.08E-07
2755	490860	3859310.04	2.02E-06	1.10E-06	-9.22E-07	4.45E-07	2.47E-07	-1.98E-07	2.06E-07	1.14E-07	-9.14E-08	4.45E-07	2.47E-07	-1.98E-07
2756	490360	3859360.04	4.09E-06	2.24E-06	-1.85E-06	8.99E-07	5.02E-07	-3.97E-07	4.15E-07	2.32E-07	-1.84E-07	8.99E-07	5.02E-07	-3.97E-07
2757	490410	3859360.04	3.82E-06	2.09E-06	-1.73E-06	8.39E-07	4.68E-07	-3.71E-07	3.88E-07	2.16E-07	-1.72E-07	8.39E-07	4.68E-07	-3.71E-07
2758	490460	3859360.04	3.59E-06	1.96E-06	-1.63E-06	7.88E-07	4.39E-07	-3.49E-07	3.64E-07	2.03E-07	-1.61E-07	7.88E-07	4.39E-07	-3.49E-07
2759	490510	3859360.04	3.37E-06	1.84E-06	-1.53E-06	7.41E-07	4.13E-07	-3.28E-07	3.43E-07	1.91E-07	-1.52E-07	7.41E-07	4.13E-07	-3.28E-07
2760	490560	3859360.04	3.15E-06	1.72E-06	-1.43E-06	6.93E-07	3.86E-07	-3.07E-07	3.20E-07	1.78E-07	-1.42E-07	6.93E-07	3.86E-07	-3.07E-07
2761	490610	3859360.04	2.96E-06	1.62E-06	-1.34E-06	6.50E-07	3.62E-07	-2.88E-07	3.01E-07	1.67E-07	-1.33E-07	6.50E-07	3.62E-07	-2.88E-07
2762	490660	3859360.04	2.80E-06	1.53E-06	-1.27E-06	6.15E-07	3.42E-07	-2.73E-07	2.84E-07	1.58E-07	-1.26E-07	6.15E-07	3.42E-07	-2.73E-07
2763	490710	3859360.04	2.62E-06	1.43E-06	-1.19E-06	5.76E-07	3.20E-07	-2.56E-07	2.66E-07	1.48E-07	-1.18E-07	5.76E-07	3.20E-07	-2.56E-07
2764	490760	3859360.04	2.45E-06	1.34E-06	-1.11E-06	5.39E-07	3.00E-07	-2.39E-07	2.49E-07	1.38E-07	-1.11E-07	5.39E-07	3.00E-07	-2.39E-07
2765	490810	3859360.04	2.36E-06	1.29E-06	-1.07E-06	5.19E-07	2.89E-07	-2.31E-07	2.40E-07	1.33E-07	-1.07E-07	5.19E-07	2.89E-07	-2.31E-07
2766	490860	3859360.04	2.25E-06	1.23E-06	-1.02E-06	4.95E-07	2.75E-07	-2.20E-07	2.29E-07	1.27E-07	-1.02E-07	4.95E-07	2.75E-07	-2.20E-07
2767	490360	3859410.04	4.75E-06	2.61E-06	-2.14E-06	1.04E-06	5.84E-07	-4.60E-07	4.82E-07	2.70E-07	-2.13E-07	1.04E-06	5.84E-07	-4.60E-07
2768	490410	3859410.04	4.42E-06	2.42E-06	-2.00E-06	9.71E-07	5.43E-07	-4.28E-07	4.49E-07	2.51E-07	-1.98E-07	9.71E-07	5.43E-07	-4.28E-07
2769	490460	3859410.04	4.12E-06	2.26E-06	-1.86E-06	9.06E-07	5.06E-07	-4.00E-07	4.19E-07	2.34E-07	-1.85E-07	9.06E-07	5.06E-07	-4.00E-07
2770	490510	3859410.04	3.85E-06	2.11E-06	-1.74E-06	8.47E-07	4.73E-07	-3.74E-07	3.91E-07	2.18E-07	-1.73E-07	8.47E-07	4.73E-07	-3.74E-07
2771	490560	3859410.04	3.61E-06	1.98E-06	-1.64E-06	7.94E-07	4.43E-07	-3.51E-07	3.67E-07	2.05E-07	-1.62E-07	7.94E-07	4.43E-07	-3.51E-07
2772	490610	3859410.04	3.40E-06	1.86E-06	-1.54E-06	7.46E-07	4.16E-07	-3.30E-07	3.45E-07	1.92E-07	-1.53E-07	7.46E-07	4.16E-07	-3.30E-07
2773	490660	3859410.04	3.15E-06	1.73E-06	-1.43E-06	6.93E-07	3.86E-07	-3.07E-07	3.20E-07	1.79E-07	-1.42E-07	6.93E-07	3.86E-07	-3.07E-07
2774	490710	3859410.04	2.95E-06	1.61E-06	-1.34E-06	6.49E-07	3.61E-07	-2.87E-07	3.00E-07	1.67E-07	-1.33E-07	6.49E-07	3.61E-07	-2.87E-07
2775	490760	3859410.04	2.75E-06	1.50E-06	-1.24E-06	6.03E-07	3.36E-07	-2.67E-07	2.79E-07	1.55E-07	-1.23E-07	6.03E-07	3.36E-07	-2.67E-07
2776	490810	3859410.04	2.63E-06	1.44E-06	-1.19E-06	5.79E-07	3.22E-07	-2.56E-07	2.67E-07	1.49E-07	-1.18E-07	5.79E-07	3.22E-07	-2.56E-07
2777	490860	3859410.04	2.54E-06	1.39E-06	-1.15E-06	5.59E-07	3.11E-07	-2.48E-07	2.58E-07	1.44E-07	-1.14E-07	5.59E-07	3.11E-07	-2.48E-07
2778	490360	3859460.04	5.68E-06	3.12E-06	-2.55E-06	1.25E-06	6.99E-07	-5.48E-07	5.76E-07	3.23E-07	-2.53E-07	1.25E-06	6.99E-07	-5.48E-07
2779	490410	3859460.04	5.20E-06	2.86E-06	-2.34E-06	1.14E-06	6.40E-07	-5.02E-07	5.28E-07	2.96E-07	-2.32E-07	1.14E-06	6.40E-07	-5.02E-07
2780	490460	3859460.04	4.82E-06	2.65E-06	-2.17E-06	1.06E-06	5.92E-07	-4.66E-07	4.89E-07	2.74E-07	-2.15E-07	1.06E-06	5.92E-07	-4.66E-07
2781	490510	3859460.04	4.47E-06	2.46E-06	-2.02E-06	9.83E-07	5.50E-07	-4.33E-07	4.54E-07	2.54E-07	-2.00E-07	9.83E-07	5.50E-07	-4.33E-07
2782	490560	3859460.04	4.18E-06	2.29E-06	-1.88E-06	9.17E-07	5.13E-07	-4.04E-07	4.24E-07	2.37E-07	-1.87E-07	9.17E-07	5.13E-07	-4.04E-07
2783	490610	3859460.04	3.89E-06	2.13E-06	-1.76E-06	8.55E-07	4.78E-07	-3.77E-07	3.95E-07	2.21E-07	-1.74E-07	8.55E-07	4.78E-07	-3.77E-07
2784	490660	3859460.04	3.62E-06	1.99E-06	-1.64E-06	7.96E-07	4.45E-07	-3.51E-07	3.68E-07	2.06E-07	-1.62E-07	7.96E-07	4.45E-07	-3.51E-07
2785	490710	3859460.04	3.40E-06	1.87E-06	-1.54E-06	7.48E-07	4.18E-07	-3.30E-07	3.46E-07	1.93E-07	-1.53E-07	7.48E-07	4.18E-07	-3.30E-07
2786	490760	3859460.04	3.19E-06	1.75E-06	-1.44E-06	7.01E-07	3.92E-07	-3.10E-07	3.24E-07	1.81E-07	-1.43E-07	7.01E-07	3.92E-07	-3.10E-07
2787	490810	3859460.04	3.00E-06	1.64E-06	-1.36E-06	6.59E-07	3.68E-07	-2.91E-07	3.05E-07	1.70E-07	-1.35E-07	6.59E-07	3.68E-07	-2.91E-07
2788	490860	3859460.04	2.87E-06	1.57E-06	-1.30E-06	6.31E-07	3.52E-07	-2.79E-07	2.92E-07	1.63E-07	-1.29E-07	6.31E-07	3.52E-07	-2.79E-07
2789	490360	3859510.04	7.09E-06	3.91E-06	-3.18E-06	1.56E-06	8.75E-07	-6.82E-07	7.20E-07	4.04E-07	-3.15E-07	1.56E-06	8.75E-07	-6.82E-07
2790	490410	3859510.04	6.41E-06	3.54E-06	-2.88E-06	1.41E-06	7.92E-07	-6.18E-07	6.51E-07	3.66E-07	-2.85E-07	1.41E-06	7.92E-07	-6.18E-07
2791	490460	3859510.04	5.83E-06	3.21E-06	-2.62E-06	1.28E-06	7.19E-07	-5.62E-07	5.92E-07	3.32E-07	-2.60E-07	1.28E-06	7.19E-07	-5.62E-07
2792	490510	3859510.04	5.35E-06	2.95E-06	-2.41E-06	1.18E-06	6.60E-07	-5.16E-07	5.44E-07	3.05E-07	-2.39E-07	1.18E-06	6.60E-07	-5.16E-07
2793	490560	3859510.04	4.94E-06	2.72E-06	-2.22E-06	1.09E-06	6.09E-07	-4.77E-07	5.02E-07	2.81E-07	-2.20E-07	1.09E-06	6.09E-07	-4.77E-07
2794	490610	3859510.04	4.57E-06	2.51E-06	-2.05E-06	1.00E-06	5.63E-07	-4.41E-07	4.64E-07	2.60E-07	-2.04E-07	1.00E-06	5.63E-07	-4.41E-07
2795	490660	3859510.04	4.24E-06	2.33E-06	-1.91E-06	9.31E-07	5.22E-07	-4.09E-07	4.30E-07	2.41E-07	-1.89E-07	9.31E-07	5.22E-07	-4.09E-07
2796	490710	3859510.04	3.94E-06	2.16E-06	-1.77E-06	8.65E-07	4.85E-07	-3.81E-07	4.00E-07	2.24E-07	-1.76E-07	8.65E-07	4.85E-07	-3.81E-07
2797	490760	3859510.04	3.68E-06	2.02E-06	-1.66E-06	8.08E-07	4.52E-07	-3.56E-07	3.73E-07	2.09E-07	-1.64E-07	8.08E-07	4.52E-07	-3.56E-07
2798	490810	3859510.04	3.46E-06	1.90E-06	-1.56E-06	7.61E-07	4.26E-07	-3.35E-07	3.52E-07	1.97E-07	-1.55E-07	7.61E-07	4.26E-07	-3.35E-07
2799	490860	3859510.04	3.26E-06	1.79E-06	-1.47E-06	7.16E-07	4.01E-07	-3.15E-07	3.31E-07	1.85E-07	-1.46E-07	7.16E-07	4.01E-07	-3.15E-07
2800	490360	3859560.04	9.41E-06	5.20E-06	-4.21E-06	2.07E-06	1.16E-06	-9.03E-07	9.56E-07	5.38E-07	-4.18E-07	2.07E-06	1.16E-06	-9.03E-07
2801	490410	3859560.04	8.34E-06	4.61E-06	-3.73E-06	1.83E-06	1.03E-06	-8.01E-07	8.47E-07	4.77E-07	-3.70E-07	1.83E-06	1.03E-06	-8.01E-07
2802	490460	3859560.04	7.45E-06	4.11E-06	-3.33E-06	1.64E-06	9.21E-07	-7.15E-07	7.56E-07	4.26E-07	-3.30E-07	1.64E-06	9.21E-07	-7.15E-07
2803	490510	3859560.04	6.65E-06	3.67E-06	-2.98E-06	1.46E-06	8.22E-07	-6.39E-07	6.75E-07	3.80E-07	-2.95E-07	1.46E-06	8.22E-07	-6.39E-07
2804	490560	3859560.04	6.06E-06	3.34E-06	-2.71E-06	1.33E-06	7.49E-07	-5.82E-07	6.15E-07	3.46E-07	-2.69E-07	1.33E-06	7.49E-07	-5.82E-07
2805	490610	3859560.04	5.53E-06	3.05E-06	-2.48E-06	1.21E-06	6.83E-07	-5.32E-07	5.61E-07	3.16E-07	-2.46E-07	1.21E-06	6.83E-07	-5.32E-07
2806	490660	3859560.04	5.08E-06	2.80E-06	-2.28E-06	1.12E-06	6.27E-07	-4.88E-07	5.15E-07	2.90E-07	-2.26E-07	1.12E-06	6.27E-07	-4.88E-07
2807	490710	3859560.04	4.67E-06	2.57E-06	-2.10E-06	1.03E-06	5.77E-07	-4.50E-07	4.74E-07	2.66E-07	-2.08E-07	1.03E-06	5.77E-07	-4.50E-07
2808	490760	3859560.04	4.29E-06	2.36E-06	-1.93E-06	9.43E-07	5.30E-07	-4.13E-07	4.36E-07	2.45E-07	-1.91E-07	9.43E-07	5.30E-07	-4.13E-07
2809	490810	3859560.04	3.99E-06	2.20E-06	-1.79E-06	8.76E-07	4.92E-07	-3.84E-07	4.05E-07	2.27E-07	-1.78E-07	8.76E-07	4.92E-07	-3.84E-07
2810	490860	3859560.04	3.71E-06	2.04E-06	-1.67E-06	8.16E-07	4.58E-07	-3.58E-07	3.77E-07	2.12E-07	-1.66E-07	8.16E-07	4.58E-07	-3.58E-07
2811	490187.3	3859422.08	6.78E-06	3.73E-06	-3.04E-06	1.49E-06	8.36E-07	-6.52E-07	6.88E-07	3.86E-07	-3.02E-07	1.49E-06	8.36E-07	-6.52E-07
2812	490237.3	3859422.08	6.13E-06	3.38E-06	-2.76E-06	1.35E-06	7.56E-07	-5.92E-07	6.23E-07	3.49E-07	-2.73E-07	1.35E-06	7.56E-07	-5.92E-07
2813	490287.3	3859422.08	5.60E-06	3.08E-06	-2.52E-06	1.23E-06	6.89E-07	-5.40E-07	5.68E-07	3.18E-07	-2.50E-07	1.23E-06	6.89E-07	-5.40E-07
2814	490337.3	3859422.08	5.12E-06	2.81E-06	-2.31E-06	1.13E-06	6.30E-07	-4.95E-07	5.20E-07	2.91E-07	-2.29E-07	1.13E-06	6.30E-07	-4.95E-07
2815	490187.3	3859472.08	8.52E-06	4.70E-06	-3.82E-06	1.87E-06	1.05E-06	-8.19E-07	8.65E-07	4.87E-07	-3.79E-07	1.87E-06	1.05E-06	-8.19E-07
2816	490237.3	3859472.08	7.60E-06	4.19E-06	-3.41E-06	1.67E-06	9.39E-07	-7.32E-07	7.72E-07	4.34E-07	-3.38E-07	1.67E-06	9.39E-07	-7.32E-07
2817	490287.3	3859472.08	6.83E-06	3.76E-06	-3.07E-06	1.50E-06	8.42E-07	-6.58E-07	6.93E-07	3.89E-07	-3.04E-07	1.50E-06	8.42E-07	-6.58E-07
2818	490337.3	3859472.08	6.21E-06	3.42E-06	-2.79E-06	1.36E-06	7.66E-07	-5.99E-07	6.31E-07	3.54E-07	-2.77E-07	1.36E-06	7.66E-07	-5.99E-07
2819	490297.1	3859500.42	7.68E-06	4.24E-06	-3.45E-06	1.69E-06	9.48E-07	-7.40E-07	7.80E-07	4.38E-07	-3.42E-07	1.69E-06	9.48E-07	-7.40E-07
2820	490327.1	3859500.42	7.24E-06	3.99E-06	-3.25E-06	1.59E-06	8.93E-07	-6.97E-07	7.35E-07	4.13E-07	-3.22E-07	1.59E-06	8.93E-07	-6.97E-07
2821	490297.1	3859530.42	9.14E-06	5.04E-06	-4.10E-06	2.01E-06	1.13E-06	-8.79E-07	9.28E-07	5.22E-07	-4.06E-07	2.01E-06	1.13E-06	-8.79E-07
2822	490327.1	3859530.42	8.50E-06	4.69E-06	-3.81E-06	1.87E-06	1.05E-06	-8.18E-07	8.63E-07	4.85E-07	-3.78E-07	1.87E-06	1.05E-06	-8.18E-07
2823	490319.7	3859055.34	2.48E-06	1.34E-06	-1.14E-06	5.45E-07	3.00E-07	-2.45E-07	2.52E-07	1.38E-07	-1.13E-07	5.45E-07	3.00E-07	-2.45E-07
2824	490319.7	3859105.34	2.64E-06	1.43E-06	-1.21E-06	5.80E-07	3.20E-07	-2.60E-07	2.68E-07	1.48E-07	-1.20E-07	5.80E-07	3.20E-07	-2.60E-07
2825	490069.7	3859155.34	3.74E-06	2.03E-06	-1.71E-06	8.22E-07	4.55E-07	-3.67E-07	3.80E-07	2.10E-07	-1.70E-07	8.22E-07	4.55E-07	-3.67E-07
2826	490119.7	3859155.34	3.53E-06	1.92E-06	-1.61E-06	7.76E-07	4.30E-07	-3.47E-07	3.59E-07	1.99E-07	-1.60E-07	7.76E-07	4.30E-07	-3.47E-07
2827	490269.7	3859155.34	3.02E-06	1.64E-06	-1.38E-06	6.64E-07	3.67E-07	-2.97E-07	3.07E-07	1.70E-07	-1.37E-07	6.64E-07	3.67E-07	-2.97E-07
2828	490319.7	3859155.34	2.85E-06	1.54E-06	-1.30E-06	6.26E-07	3.46E-07	-2.80E-07	2.89E-07	1.60E-07	-1.29E-07	6.26E-07	3.46E-07	-2.80E-07
2829	490069.7	3859205.34	4.21E-06	2.29E-06	-1.91E-06	9.25E-07	5.13E-07	-4.11E-07	4.27E-07	2.37E-07	-1.90E-07	9.25E-07	5.13E-07	-4.11E-07
2830	490119.7	3859205.34	3.97E-06	2.16E-06	-1.81E-06	8.72E-07	4.84E-07	-3.88E-07	4.03E-07	2.24E-07	-1.79E-07	8.72E-07	4.84E-07	-3.88E-07
2831	490169.7	3859205.34	3.74E-06	2.03E-06	-1.70E-06	8.21E-07	4.55E-07	-3.66E-07	3.80E-07	2.10E-07	-1.69E-07	8.21E-07	4.55E-07	-3.66E-07
2832	490219.7	3859205.34	3.50E-06	1.90E-06	-1.60E-06	7.68E-07	4.26E-07	-3.43E-07	3.55E-07	1.97E-07	-1.58E-07	7.68E-07	4.26E-07	-3.43E-07
2833	490269.7	3859205.34	3.26E-06	1.77E-06	-1.49E-06	7.17E-07	3.97E-07	-3.20E-07	3.31E-07	1.84E-07	-1.48E-07	7.17E-07	3.97E-07	-3.20E-07

2834	490319.7	3859205.34	3.08E-06	1.67E-06	-1.41E-06	6.77E-07	3.75E-07	-3.02E-07	3.13E-07	1.73E-07	-1.40E-07	6.77E-07	3.75E-07	-3.02E-07
2835	490069.7	3859255.34	4.77E-06	2.61E-06	-2.16E-06	1.05E-06	5.84E-07	-4.64E-07	4.84E-07	2.70E-07	-2.15E-07	1.05E-06	5.84E-07	-4.64E-07
2836	490119.7	3859255.34	4.46E-06	2.44E-06	-2.02E-06	9.80E-07	5.45E-07	-4.34E-07	4.53E-07	2.52E-07	-2.01E-07	9.80E-07	5.45E-07	-4.34E-07
2837	490169.7	3859255.34	4.17E-06	2.28E-06	-1.89E-06	9.16E-07	5.10E-07	-4.07E-07	4.24E-07	2.36E-07	-1.88E-07	9.16E-07	5.10E-07	-4.07E-07
2838	490219.7	3859255.34	3.88E-06	2.12E-06	-1.76E-06	8.53E-07	4.74E-07	-3.79E-07	3.94E-07	2.19E-07	-1.75E-07	8.53E-07	4.74E-07	-3.79E-07
2839	490269.7	3859255.34	3.62E-06	1.97E-06	-1.65E-06	7.95E-07	4.41E-07	-3.53E-07	3.67E-07	2.04E-07	-1.63E-07	7.95E-07	4.41E-07	-3.53E-07
2840	490319.7	3859255.34	3.39E-06	1.85E-06	-1.55E-06	7.46E-07	4.14E-07	-3.32E-07	3.45E-07	1.91E-07	-1.53E-07	7.46E-07	4.14E-07	-3.32E-07
2841	490069.7	3859305.34	5.52E-06	3.03E-06	-2.49E-06	1.21E-06	6.79E-07	-5.35E-07	5.61E-07	3.14E-07	-2.47E-07	1.21E-06	6.79E-07	-5.35E-07
2842	490119.7	3859305.34	5.11E-06	2.80E-06	-2.31E-06	1.12E-06	6.27E-07	-4.95E-07	5.19E-07	2.90E-07	-2.29E-07	1.12E-06	6.27E-07	-4.95E-07
2843	490169.7	3859305.34	4.73E-06	2.59E-06	-2.14E-06	1.04E-06	5.81E-07	-4.60E-07	4.81E-07	2.68E-07	-2.12E-07	1.04E-06	5.81E-07	-4.60E-07
2844	490219.7	3859305.34	4.39E-06	2.40E-06	-1.99E-06	9.64E-07	5.37E-07	-4.26E-07	4.45E-07	2.48E-07	-1.97E-07	9.64E-07	5.37E-07	-4.26E-07
2845	490269.7	3859305.34	4.07E-06	2.23E-06	-1.85E-06	8.95E-07	4.98E-07	-3.96E-07	4.13E-07	2.30E-07	-1.83E-07	8.95E-07	4.98E-07	-3.96E-07
2846	490319.7	3859305.34	3.78E-06	2.06E-06	-1.71E-06	8.30E-07	4.62E-07	-3.68E-07	3.84E-07	2.13E-07	-1.70E-07	8.30E-07	4.62E-07	-3.68E-07
2847	490069.7	3859355.34	6.60E-06	3.64E-06	-2.97E-06	1.45E-06	8.14E-07	-6.37E-07	6.71E-07	3.76E-07	-2.94E-07	1.45E-06	8.14E-07	-6.37E-07
2848	490119.7	3859355.34	6.02E-06	3.31E-06	-2.71E-06	1.32E-06	7.41E-07	-5.81E-07	6.11E-07	3.42E-07	-2.68E-07	1.32E-06	7.41E-07	-5.81E-07
2849	490169.7	3859355.34	5.51E-06	3.02E-06	-2.48E-06	1.21E-06	6.77E-07	-5.32E-07	5.59E-07	3.13E-07	-2.46E-07	1.21E-06	6.77E-07	-5.32E-07
2850	490219.7	3859355.34	5.05E-06	2.77E-06	-2.28E-06	1.11E-06	6.20E-07	-4.89E-07	5.12E-07	2.86E-07	-2.26E-07	1.11E-06	6.20E-07	-4.89E-07
2851	490269.7	3859355.34	4.66E-06	2.55E-06	-2.11E-06	1.02E-06	5.72E-07	-4.52E-07	4.73E-07	2.64E-07	-2.09E-07	1.02E-06	5.72E-07	-4.52E-07
2852	490319.7	3859355.34	4.30E-06	2.36E-06	-1.95E-06	9.45E-07	5.27E-07	-4.18E-07	4.37E-07	2.44E-07	-1.93E-07	9.45E-07	5.27E-07	-4.18E-07
2853	490069.7	3859405.34	8.19E-06	4.52E-06	-3.67E-06	1.80E-06	1.01E-06	-7.86E-07	8.32E-07	4.68E-07	-3.63E-07	1.80E-06	1.01E-06	-7.86E-07
2854	490119.7	3859405.34	7.30E-06	4.03E-06	-3.27E-06	1.60E-06	9.01E-07	-7.02E-07	7.41E-07	4.17E-07	-3.24E-07	1.60E-06	9.01E-07	-7.02E-07
2855	490169.7	3859405.34	6.57E-06	3.62E-06	-2.95E-06	1.44E-06	8.10E-07	-6.33E-07	6.67E-07	3.74E-07	-2.92E-07	1.44E-06	8.10E-07	-6.33E-07
2856	490219.7	3859405.34	5.96E-06	3.28E-06	-2.68E-06	1.31E-06	7.35E-07	-5.75E-07	6.05E-07	3.40E-07	-2.66E-07	1.31E-06	7.35E-07	-5.75E-07
2857	490269.7	3859405.34	5.43E-06	2.98E-06	-2.45E-06	1.19E-06	6.68E-07	-5.25E-07	5.51E-07	3.09E-07	-2.43E-07	1.19E-06	6.68E-07	-5.25E-07
2858	490319.7	3859405.34	4.98E-06	2.73E-06	-2.24E-06	1.09E-06	6.12E-07	-4.81E-07	5.05E-07	2.83E-07	-2.23E-07	1.09E-06	6.12E-07	-4.81E-07
2859	490161.9	3859541.83	1.49E-05	8.22E-06	-6.68E-06	3.27E-06	1.84E-06	-1.43E-06	1.51E-06	8.51E-07	-6.62E-07	3.27E-06	1.84E-06	-1.43E-06
2860	490171.9	3859541.83	1.44E-05	7.93E-06	-6.44E-06	3.16E-06	1.78E-06	-1.38E-06	1.46E-06	8.21E-07	-6.39E-07	3.16E-06	1.78E-06	-1.38E-06
2861	490161.9	3859551.83	1.65E-05	9.08E-06	-7.38E-06	3.61E-06	2.03E-06	-1.58E-06	1.67E-06	9.39E-07	-7.31E-07	3.61E-06	2.03E-06	-1.58E-06
2862	490171.9	3859551.83	1.58E-05	8.73E-06	-7.10E-06	3.48E-06	1.95E-06	-1.52E-06	1.61E-06	9.03E-07	-7.03E-07	3.48E-06	1.95E-06	-1.52E-06
2863	489799.7	3859348.21	1.40E-05	7.78E-06	-6.20E-06	3.07E-06	1.74E-06	-1.33E-06	1.42E-06	8.05E-07	-6.14E-07	3.07E-06	1.74E-06	-1.33E-06
2864	489819.7	3859348.21	1.29E-05	7.15E-06	-5.71E-06	2.82E-06	1.60E-06	-1.22E-06	1.31E-06	7.40E-07	-5.66E-07	2.82E-06	1.60E-06	-1.22E-06
2865	489799.7	3859368.21	1.66E-05	9.27E-06	-7.34E-06	3.65E-06	2.08E-06	-1.57E-06	1.69E-06	9.59E-07	-7.27E-07	3.65E-06	2.08E-06	-1.57E-06
2866	489819.7	3859368.21	1.51E-05	8.39E-06	-6.67E-06	3.31E-06	1.88E-06	-1.43E-06	1.53E-06	8.69E-07	-6.61E-07	3.31E-06	1.88E-06	-1.43E-06
2867	489775.4	3859329.72	1.34E-05	7.47E-06	-5.96E-06	2.95E-06	1.67E-06	-1.28E-06	1.36E-06	7.73E-07	-5.91E-07	2.95E-06	1.67E-06	-1.28E-06
2868	489795.4	3859329.72	1.24E-05	6.88E-06	-5.51E-06	2.72E-06	1.54E-06	-1.18E-06	1.26E-06	7.12E-07	-5.46E-07	2.72E-06	1.54E-06	-1.18E-06
2869	489775.4	3859349.72	1.58E-05	8.84E-06	-7.01E-06	3.48E-06	1.98E-06	-1.50E-06	1.61E-06	9.15E-07	-6.95E-07	3.48E-06	1.98E-06	-1.50E-06
2870	489795.4	3859349.72	1.44E-05	8.03E-06	-6.39E-06	3.17E-06	1.80E-06	-1.37E-06	1.46E-06	8.31E-07	-6.33E-07	3.17E-06	1.80E-06	-1.37E-06
2871	489595.1	3859219.43	1.24E-05	6.87E-06	-5.50E-06	2.72E-06	1.54E-06	-1.18E-06	1.26E-06	7.11E-07	-5.45E-07	2.72E-06	1.54E-06	-1.18E-06
2872	489615.1	3859219.43	1.14E-05	6.35E-06	-5.10E-06	2.52E-06	1.42E-06	-1.09E-06	1.16E-06	6.57E-07	-5.06E-07	2.52E-06	1.42E-06	-1.09E-06
2873	489595.1	3859239.43	1.44E-05	8.02E-06	-6.39E-06	3.17E-06	1.80E-06	-1.37E-06	1.46E-06	8.30E-07	-6.33E-07	3.17E-06	1.80E-06	-1.37E-06
2874	489615.1	3859239.43	1.32E-05	7.33E-06	-5.87E-06	2.90E-06	1.64E-06	-1.26E-06	1.34E-06	7.59E-07	-5.81E-07	2.90E-06	1.64E-06	-1.26E-06
2875	489372.4	3859092.58	1.20E-05	6.77E-06	-5.23E-06	2.64E-06	1.52E-06	-1.12E-06	1.22E-06	7.01E-07	-5.18E-07	2.64E-06	1.52E-06	-1.12E-06
2876	489422.4	3859092.58	1.01E-05	5.63E-06	-4.44E-06	2.21E-06	1.26E-06	-9.53E-07	1.02E-06	5.83E-07	-4.40E-07	2.21E-06	1.26E-06	-9.53E-07
2877	489372.4	3859142.58	1.82E-05	1.04E-05	-7.74E-06	3.99E-06	2.33E-06	-1.66E-06	1.84E-06	1.08E-06	-7.66E-07	3.99E-06	2.33E-06	-1.66E-06
2878	489422.4	3859142.58	1.42E-05	8.03E-06	-6.17E-06	3.12E-06	1.80E-06	-1.32E-06	1.44E-06	8.31E-07	-6.11E-07	3.12E-06	1.80E-06	-1.32E-06
2879	488870.8	3858666.64	5.88E-06	3.73E-06	-2.15E-06	1.29E-06	8.36E-07	-4.57E-07	5.97E-07	3.86E-07	-2.11E-07	1.29E-06	8.36E-07	-4.57E-07
2880	488900.8	3858666.64	5.57E-06	3.47E-06	-2.11E-06	1.22E-06	7.76E-07	-4.49E-07	5.66E-07	3.59E-07	-2.07E-07	1.22E-06	7.76E-07	-4.49E-07
2881	488870.8	3858696.64	6.55E-06	4.20E-06	-2.35E-06	1.44E-06	9.41E-07	-4.98E-07	6.65E-07	4.35E-07	-2.30E-07	1.44E-06	9.41E-07	-4.98E-07
2882	488900.8	3858696.64	6.17E-06	3.87E-06	-2.30E-06	1.35E-06	8.67E-07	-4.88E-07	6.26E-07	4.00E-07	-2.26E-07	1.35E-06	8.67E-07	-4.88E-07
2883	488889.7	3858683.97	6.02E-06	3.79E-06	-2.23E-06	1.32E-06	8.49E-07	-4.75E-07	6.12E-07	3.92E-07	-2.19E-07	1.32E-06	8.49E-07	-4.75E-07
2884	488919.7	3858683.97	5.70E-06	3.52E-06	-2.18E-06	1.25E-06	7.89E-07	-4.64E-07	5.79E-07	3.65E-07	-2.15E-07	1.25E-06	7.89E-07	-4.64E-07
2885	488889.7	3858713.97	6.73E-06	4.29E-06	-2.43E-06	1.48E-06	9.61E-07	-5.17E-07	6.83E-07	4.44E-07	-2.39E-07	1.48E-06	9.61E-07	-5.17E-07
2886	488919.7	3858713.97	6.32E-06	3.95E-06	-2.37E-06	1.39E-06	8.84E-07	-5.05E-07	6.42E-07	4.09E-07	-2.33E-07	1.39E-06	8.84E-07	-5.05E-07
2887	488906.6	3858703.33	6.24E-06	3.92E-06	-2.33E-06	1.37E-06	8.77E-07	-4.95E-07	6.34E-07	4.05E-07	-2.29E-07	1.37E-06	8.77E-07	-4.95E-07
2888	488936.6	3858703.33	5.89E-06	3.63E-06	-2.27E-06	1.29E-06	8.12E-07	-4.83E-07	5.98E-07	3.75E-07	-2.23E-07	1.29E-06	8.12E-07	-4.83E-07
2889	488906.6	3858733.33	6.99E-06	4.45E-06	-2.54E-06	1.54E-06	9.97E-07	-5.38E-07	7.10E-07	4.61E-07	-2.49E-07	1.54E-06	9.97E-07	-5.38E-07
2890	488936.6	3858733.33	6.56E-06	4.09E-06	-2.47E-06	1.44E-06	9.16E-07	-5.25E-07	6.66E-07	4.23E-07	-2.43E-07	1.44E-06	9.16E-07	-5.25E-07
2891	488637.6	3858467.85	4.76E-06	3.51E-06	-1.24E-06	1.05E-06	7.87E-07	-2.58E-07	4.83E-07	3.64E-07	-1.19E-07	1.05E-06	7.87E-07	-2.58E-07
2892	488662.6	3858467.85	4.59E-06	3.29E-06	-1.30E-06	1.01E-06	7.37E-07	-2.72E-07	4.66E-07	3.41E-07	-1.26E-07	1.01E-06	7.37E-07	-2.72E-07
2893	488637.6	3858492.85	5.10E-06	3.84E-06	-1.26E-06	1.12E-06	8.61E-07	-2.61E-07	5.18E-07	3.98E-07	-1.21E-07	1.12E-06	8.61E-07	-2.61E-07
2894	488662.6	3858492.85	4.91E-06	3.57E-06	-1.34E-06	1.08E-06	8.00E-07	-2.79E-07	4.99E-07	3.70E-07	-1.29E-07	1.08E-06	8.00E-07	-2.79E-07
2895	488687.6	3858492.85	4.73E-06	3.34E-06	-1.39E-06	1.04E-06	7.48E-07	-2.91E-07	4.80E-07	3.46E-07	-1.34E-07	1.04E-06	7.48E-07	-2.91E-07
2896	488637.6	3858517.85	5.51E-06	4.25E-06	-1.26E-06	1.21E-06	9.51E-07	-2.60E-07	5.60E-07	4.40E-07	-1.20E-07	1.21E-06	9.51E-07	-2.60E-07
2897	488662.6	3858517.85	5.28E-06	3.91E-06	-1.37E-06	1.16E-06	8.77E-07	-2.84E-07	5.37E-07	4.05E-07	-1.31E-07	1.16E-06	8.77E-07	-2.84E-07
2898	488687.6	3858517.85	5.08E-06	3.64E-06	-1.44E-06	1.12E-06	8.14E-07	-3.01E-07	5.15E-07	3.76E-07	-1.39E-07	1.12E-06	8.14E-07	-3.01E-07
2899	488194.4	3857168.98	1.25E-06	8.81E-07	-3.66E-07	2.74E-07	1.97E-07	-7.66E-08	1.27E-07	9.12E-08	-3.54E-08	2.74E-07	1.97E-07	-7.66E-08
2900	488244.4	3857168.98	1.24E-06	8.60E-07	-3.79E-07	2.72E-07	1.93E-07	-7.96E-08	1.26E-07	8.90E-08	-3.68E-08	2.72E-07	1.93E-07	-7.96E-08
2901	488294.4	3857168.98	1.23E-06	8.39E-07	-3.87E-07	2.69E-07	1.88E-07	-8.15E-08	1.24E-07	8.68E-08	-3.77E-08	2.69E-07	1.88E-07	-8.15E-08
2902	488244.4	3857218.98	1.27E-06	8.89E-07	-3.82E-07	2.79E-07	1.99E-07	-8.03E-08	1.29E-07	9.20E-08	-3.71E-08	2.79E-07	1.99E-07	-8.03E-08
2903	488294.4	3857218.98	1.26E-06	8.67E-07	-3.93E-07	2.77E-07	1.94E-07	-8.26E-08	1.28E-07	8.97E-08	-3.82E-08	2.77E-07	1.94E-07	-8.26E-08
2904	488294.4	3857268.98	1.30E-06	8.97E-07	-4.01E-07	2.85E-07	2.01E-07	-8.44E-08	1.32E-07	9.28E-08	-3.90E-08	2.85E-07	2.01E-07	-8.44E-08
2905	488139.1	3857111.68	1.22E-06	8.73E-07	-3.50E-07	2.69E-07	1.95E-07	-7.33E-08	1.24E-07	9.03E-08	-3.39E-08	2.69E-07	1.95E-07	-7.33E-08
2906	488189.1	3857111.68	1.22E-06	8.52E-07	-3.65E-07	2.67E-07	1.91E-07	-7.66E-08	1.24E-07	8.82E-08	-3.54E-08	2.67E-07	1.91E-07	-7.66E-08
2907	488189.1	3857161.68	1.24E-06	8.79E-07	-3.65E-07	2.73E-07	1.97E-07	-7.64E-08	1.26E-07	9.10E-08	-3.53E-08	2.73E-07	1.97E-07	-7.64E-08
2908	487951	3856961.26	1.18E-06	8.73E-07	-3.10E-07	2.60E-07	1.96E-07	-6.44E-08	1.20E-07	9.04E-08	-2.98E-08	2.60E-07	1.96E-07	-6.44E-08
2909	488001	3856961.26	1.17E-06	8.51E-07	-3.21E-07	2.57E-07	1.90E-07	-6.69E-08	1.19E-07	8.80E-08	-3.09E-08	2.57E-07	1.90E-07	-6.69E-08
2910	488051	3856961.26	1.15E-06	8.28E-07	-3.27E-07	2.54E-07	1.86E-07	-6.83E-08	1.17E-07	8.57E-08	-3.15E-08	2.54E-07	1.86E-07	-6.83E-08
2911	488101	3856961.26	1.15E-06	8.10E-07	-3.40E-07	2.53E-07	1.81E-07	-7.13E-08	1.17E-07	8.39E-08	-3.30E-08	2.53E-07	1.81E-07	-7.13E-08
2912	487951	3857011.26	1.22E-06	9.05E-07	-3.12E-07	2.67E-07	2.03E-07	-6.48E-08	1.24E-07	9.36E-08	-2.99E-08	2.67E-07	2.03E-07	-6.48E-08
2913	488001	3857011.26	1.20E-06	8.79E-07	-3.19E-07	2.63E-07	1.97E-07	-6.65E-08	1.22E-07	9.09E-08	-3.07E-08	2.63E-07	1.97E-07	-6.65E-08
2914	488051	3857011.26	1.18E-06	8.55E-07	-3.27E-07	2.60E-07	1.91E-07	-6.83E-08	1.20E-07	8.85E-08	-3.16E-08	2.60E-07	1.91E-07	-6.83E-08
2915	488101	3857011.26	1.18E-06	8.35E-07	-3.42E-07	2.59E-07	1.87E-07	-7.16E-08	1.19E-07	8.64E-08	-3.31E-08	2.59E-07	1.87E-07	-7.16E-08
2916	488001	3857061.26	1.23E-06	9.10E-07	-3.21E-07	2.70E-07	2.04E-07	-6.66E-08	1.25E-07	9.42E-08	-3.08E-08	2.70E-07	2.04E-07	-6.66E-08
2917	488051	3857061.26	1.22E-06	8.85E-07	-3.32E-07	2.67E-07	1.98E-07	-6.93E-08	1.24E-07	9.16E-08	-3.20E-08	2.67E-07	1.98E-07	-6.93E-08
2918	488101	3857061.26	1.21E-06	8.62E-07	-3.44E-07	2.65E-07	1.93E-07	-7.20E-08	1.22E-07	8.92E-08	-3.33E-08	2.65E-07	1.93E-07	-7.20E-08
2919	487639	3856673.79	1.09E-06	8.54E-07	-2.41E-07	2.41E-07	1.91E-07	-4.94E-08	1.11E-07	8.84E-08	-2.28E-08	2.41E-07	1.91E-07	-4.94E-08
2920	487689	3856673.79	1.08E-06	8.31E-07	-2.52E-07	2.38E-07	1.86E-07	-5.19E-08	1.10E-07	8.60E-08	-2.40E-08	2.38E-07	1.86E-07	-5.19E-08
2921	487639	3856723.79	1.12E-06	8.84E-07	-2.39E-07	2.47E-07	1.98E-07	-4.88E-08	1.14E-07	9.15E-08	-2.26E-08	2.47E-07	1.98E-07	-4.88E-08
2922	487689	3856723.79	1.11E-06	8.59E-07	-2.52E-07	2.44E-07	1.92E-07	-5.17E-08	1.13E-07	8.89E-08	-2.39E-08	2.44E-07	1.92E-07	-5.17E-08
2923	486324.6	3855740.57	9.72E-07	9.52E-07	-1.99E-08	2.14E-07	2.13E-07	-3.62E-10	9.87E-08	9.86E-08	-1.67E-10	2.14E-07	2.13E-07	-3.62E-10
2924	486374.6	3855740.57	9.42E-07	8.99E-07	-4.26E-08	2.07E-07	2.01E-07	-5.59E-09	9.56E-08	9.31E-08	-2.58E-09	2.07E-07	2.01E-07	-5.59E-09
2925	486424.6	3855740.57	9.24E-07	8.63E-07	-6.09E-08	2.03E-07	1.93E-07	-9.75E-09	9.38E-08	8.93E-08	-4.50E-09	2.03E-07	1.93E-07	-9.75E-09
2926	486324.6	3855790.57	9.95E-07	9.96E-07	1.05E-09	2.19E-07	2.23E-07	4.42E-09	1.01E-07	1.03E-07	2.04E-09	2.19E-07	2.23E-07	4.42E-09
2927	486374.6	3855790.57	9.65E-07	9.39E-07	-2.58E-08	2.12E-07	2.10E-07	-1.73E-09	9.80E-08	9.72E-08	-7.97E-10	2.12E-07	2.10E-07	-1.73E-09
2928	486424.6	3855790.57	9.51E-07	9.04E-07	-4.64E-08	2.09E-07	2.03E-07	-6.40E-09	9.65E-08	9.36E-08	-2.96E-09	2.09E-07	2.03E-07	-6.40E-09
2929	486324.6	3855840.57	1.02E-06	1.05E-06	2.68E-08	2.24E-07	2.34E-07	1.03E-08	1.03E-07	1.08E-07	4.75E-09	2.24E-07	2.34E-07	1.03E-08
2930	486374.6	3855840.57	9.99E-07	9.98E-07	-1.72E-09	2.20E-07	2.23E-07	3.82E-09	1.01E-07	1.03E-07	1.77E-09	2.20E-07	2.23E-07	3.82E-09
2931	486424.6	3855840.57	9.79E-07	9.52E-07	-2.72E-08	2.15E-07	2.13E-07	-1.97E-09	9.94E-08	9.85E-08	-9.09E-10	2.15E-07	2.13E-07	-1.97E-09
2932	486324.6	3855890.57	1.06E-06	1.12E-06	6.33E-08	2.32E-07	2.50E-07	1.86E-08	1.07E-07	1.16E-07	8.61E-09	2.32E-07	2.50E-07	1.86E-08
2933	486374.6	3855890.57	1.03E-06	1.06E-06	2.74E-08	2.27E-07	2.38E-07	1.05E-08	1.05E-07	1.10E-07	4.84E-09	2.27E-07	2.38E-07	1.05E-08
2934	486424.6	3855890.57	1.01E-06	1.01E-06	-2.68E-09	2.22E-07	2.25E-07	3.65E-09	1.02E-07	1.04E-07	1.69E-09	2.22E-07	2.25E-07	3.65E-09
2935	488735.7	3858285.64	2.94E-06	1.90E-06	-1.04E-06	6.46E-07	4.26E-07	-2.20E-07	2.99E-07	1.97E-07	-1.02E-07	6.46E-07	4.26E-07	-2.20E-07
2936	488765.7	3858285.64	2.87E-06	1.83E-06	-1.04E-06	6.30E-07	4.10E-07	-2.20E-07	2.91E-07	1.90E-07	-1.02E-07	6.30E-07	4.10E-07	-2.20E-07
2937	488735.7	3858315.64	3.09E-06	2.00E-06	-1.08E-06	6.78E-07	4.49E-07	-2.29E-07	3.13E-07	2.07E-07	-1.06E-07	6.78E-07	4.49E-07	-2.29E-07
2938	488765.7	3858315.64	3.01E-06	1.93E-06	-1.08E-06	6.61E-07	4.31E-07	-2.29E-07	3.05E-07	1.99E-07	-1.06E-07	6.61E-07	4.31E-07	-2.29E-07

2939	478676.6	3849871.93	3.51E-06	1.94E-06	-1.57E-06	7.71E-07	4.35E-07	-3.36E-07	3.56E-07	2.01E-07	-1.56E-07	7.71E-07	4.35E-07	-3.36E-07
2940	479326.6	3849871.93	2.10E-06	1.16E-06	-9.40E-07	4.62E-07	2.60E-07	-2.02E-07	2.13E-07	1.20E-07	-9.32E-08	4.62E-07	2.60E-07	-2.02E-07
2941	479376.6	3849871.93	2.04E-06	1.13E-06	-9.11E-07	4.48E-07	2.52E-07	-1.95E-07	2.07E-07	1.17E-07	-9.03E-08	4.48E-07	2.52E-07	-1.95E-07
2942	479426.6	3849871.93	1.99E-06	1.10E-06	-8.89E-07	4.37E-07	2.46E-07	-1.91E-07	2.02E-07	1.14E-07	-8.81E-08	4.37E-07	2.46E-07	-1.91E-07
2943	478726.6	3849921.93	3.70E-06	2.04E-06	-1.65E-06	8.12E-07	4.57E-07	-3.54E-07	3.75E-07	2.11E-07	-1.64E-07	8.12E-07	4.57E-07	-3.54E-07
2944	478776.6	3849921.93	3.52E-06	1.94E-06	-1.57E-06	7.73E-07	4.35E-07	-3.38E-07	3.57E-07	2.01E-07	-1.56E-07	7.73E-07	4.35E-07	-3.38E-07
2945	478826.6	3849921.93	3.35E-06	1.85E-06	-1.50E-06	7.37E-07	4.15E-07	-3.22E-07	3.40E-07	1.92E-07	-1.49E-07	7.37E-07	4.15E-07	-3.22E-07
2946	478976.6	3849921.93	2.94E-06	1.62E-06	-1.31E-06	6.46E-07	3.64E-07	-2.82E-07	2.98E-07	1.68E-07	-1.30E-07	6.46E-07	3.64E-07	-2.82E-07
2947	479026.6	3849921.93	2.84E-06	1.57E-06	-1.27E-06	6.23E-07	3.51E-07	-2.72E-07	2.88E-07	1.62E-07	-1.26E-07	6.23E-07	3.51E-07	-2.72E-07
2948	479076.6	3849921.93	2.73E-06	1.51E-06	-1.22E-06	6.00E-07	3.38E-07	-2.62E-07	2.77E-07	1.56E-07	-1.21E-07	6.00E-07	3.38E-07	-2.62E-07
2949	479126.6	3849921.93	2.63E-06	1.45E-06	-1.18E-06	5.77E-07	3.25E-07	-2.52E-07	2.67E-07	1.50E-07	-1.17E-07	5.77E-07	3.25E-07	-2.52E-07
2950	479176.6	3849921.93	2.54E-06	1.40E-06	-1.14E-06	5.58E-07	3.14E-07	-2.44E-07	2.58E-07	1.45E-07	-1.13E-07	5.58E-07	3.14E-07	-2.44E-07
2951	479226.6	3849921.93	2.43E-06	1.35E-06	-1.09E-06	5.35E-07	3.01E-07	-2.34E-07	2.47E-07	1.39E-07	-1.08E-07	5.35E-07	3.01E-07	-2.34E-07
2952	479276.6	3849921.93	2.31E-06	1.28E-06	-1.03E-06	5.07E-07	2.86E-07	-2.22E-07	2.34E-07	1.32E-07	-1.02E-07	5.07E-07	2.86E-07	-2.22E-07
2953	479326.6	3849921.93	2.28E-06	1.26E-06	-1.02E-06	5.01E-07	2.82E-07	-2.19E-07	2.32E-07	1.30E-07	-1.01E-07	5.01E-07	2.82E-07	-2.19E-07
2954	479376.6	3849921.93	2.17E-06	1.20E-06	-9.70E-07	4.76E-07	2.68E-07	-2.08E-07	2.20E-07	1.24E-07	-9.61E-08	4.76E-07	2.68E-07	-2.08E-07
2955	479426.6	3849921.93	2.13E-06	1.18E-06	-9.53E-07	4.68E-07	2.64E-07	-2.04E-07	2.16E-07	1.22E-07	-9.45E-08	4.68E-07	2.64E-07	-2.04E-07
2956	478726.6	3849971.93	4.12E-06	2.28E-06	-1.84E-06	9.05E-07	5.10E-07	-3.95E-07	4.18E-07	2.36E-07	-1.83E-07	9.05E-07	5.10E-07	-3.95E-07
2957	478776.6	3849971.93	3.90E-06	2.15E-06	-1.74E-06	8.57E-07	4.82E-07	-3.74E-07	3.96E-07	2.23E-07	-1.73E-07	8.57E-07	4.82E-07	-3.74E-07
2958	478826.6	3849971.93	3.70E-06	2.04E-06	-1.65E-06	8.12E-07	4.58E-07	-3.55E-07	3.75E-07	2.11E-07	-1.64E-07	8.12E-07	4.58E-07	-3.55E-07
2959	478976.6	3849971.93	3.22E-06	1.78E-06	-1.44E-06	7.07E-07	3.98E-07	-3.09E-07	3.27E-07	1.84E-07	-1.43E-07	7.07E-07	3.98E-07	-3.09E-07
2960	479026.6	3849971.93	3.08E-06	1.70E-06	-1.38E-06	6.76E-07	3.81E-07	-2.95E-07	3.12E-07	1.76E-07	-1.36E-07	6.76E-07	3.81E-07	-2.95E-07
2961	479076.6	3849971.93	2.95E-06	1.63E-06	-1.32E-06	6.48E-07	3.65E-07	-2.83E-07	2.99E-07	1.69E-07	-1.31E-07	6.48E-07	3.65E-07	-2.83E-07
2962	479126.6	3849971.93	2.83E-06	1.57E-06	-1.27E-06	6.23E-07	3.51E-07	-2.72E-07	2.88E-07	1.62E-07	-1.26E-07	6.23E-07	3.51E-07	-2.72E-07
2963	479176.6	3849971.93	2.73E-06	1.51E-06	-1.22E-06	6.00E-07	3.38E-07	-2.62E-07	2.77E-07	1.56E-07	-1.21E-07	6.00E-07	3.38E-07	-2.62E-07
2964	479226.6	3849971.93	2.57E-06	1.42E-06	-1.15E-06	5.64E-07	3.18E-07	-2.46E-07	2.61E-07	1.47E-07	-1.14E-07	5.64E-07	3.18E-07	-2.46E-07
2965	479276.6	3849971.93	2.52E-06	1.39E-06	-1.13E-06	5.53E-07	3.11E-07	-2.41E-07	2.55E-07	1.44E-07	-1.12E-07	5.53E-07	3.11E-07	-2.41E-07
2966	479326.6	3849971.93	2.46E-06	1.36E-06	-1.10E-06	5.40E-07	3.04E-07	-2.36E-07	2.49E-07	1.40E-07	-1.09E-07	5.40E-07	3.04E-07	-2.36E-07
2967	479376.6	3849971.93	2.34E-06	1.29E-06	-1.05E-06	5.13E-07	2.89E-07	-2.24E-07	2.37E-07	1.34E-07	-1.04E-07	5.13E-07	2.89E-07	-2.24E-07
2968	479426.6	3849971.93	2.27E-06	1.26E-06	-1.02E-06	4.99E-07	2.81E-07	-2.18E-07	2.31E-07	1.30E-07	-1.01E-07	4.99E-07	2.81E-07	-2.18E-07
2969	478726.6	3850021.93	4.66E-06	2.57E-06	-2.09E-06	1.02E-06	5.76E-07	-4.47E-07	4.73E-07	2.66E-07	-2.07E-07	1.02E-06	5.76E-07	-4.47E-07
2970	478776.6	3850021.93	4.37E-06	2.42E-06	-1.96E-06	9.61E-07	5.41E-07	-4.20E-07	4.44E-07	2.50E-07	-1.94E-07	9.61E-07	5.41E-07	-4.20E-07
2971	478826.6	3850021.93	4.12E-06	2.28E-06	-1.85E-06	9.06E-07	5.10E-07	-3.96E-07	4.19E-07	2.36E-07	-1.83E-07	9.06E-07	5.10E-07	-3.96E-07
2972	478976.6	3850021.93	3.53E-06	1.95E-06	-1.58E-06	7.75E-07	4.36E-07	-3.39E-07	3.58E-07	2.02E-07	-1.57E-07	7.75E-07	4.36E-07	-3.39E-07
2973	478726.6	3850071.93	5.37E-06	2.96E-06	-2.40E-06	1.18E-06	6.63E-07	-5.16E-07	5.45E-07	3.07E-07	-2.38E-07	1.18E-06	6.63E-07	-5.16E-07
2974	478776.6	3850071.93	4.99E-06	2.76E-06	-2.24E-06	1.10E-06	6.17E-07	-4.80E-07	5.07E-07	2.85E-07	-2.22E-07	1.10E-06	6.17E-07	-4.80E-07
2975	478826.6	3850071.93	4.66E-06	2.58E-06	-2.09E-06	1.02E-06	5.77E-07	-4.48E-07	4.74E-07	2.67E-07	-2.07E-07	1.02E-06	5.77E-07	-4.48E-07
2976	478876.6	3850071.93	4.38E-06	2.42E-06	-1.96E-06	9.63E-07	5.42E-07	-4.21E-07	4.45E-07	2.50E-07	-1.95E-07	9.63E-07	5.42E-07	-4.21E-07
2977	478976.6	3850071.93	3.91E-06	2.16E-06	-1.75E-06	8.59E-07	4.84E-07	-3.76E-07	3.97E-07	2.23E-07	-1.74E-07	8.59E-07	4.84E-07	-3.76E-07
2978	478726.6	3850121.93	6.34E-06	3.50E-06	-2.85E-06	1.39E-06	7.83E-07	-6.11E-07	6.44E-07	3.62E-07	-2.82E-07	1.39E-06	7.83E-07	-6.11E-07
2979	478776.6	3850121.93	5.82E-06	3.21E-06	-2.61E-06	1.28E-06	7.19E-07	-5.60E-07	5.91E-07	3.32E-07	-2.59E-07	1.28E-06	7.19E-07	-5.60E-07
2980	478826.6	3850121.93	5.38E-06	2.97E-06	-2.41E-06	1.18E-06	6.65E-07	-5.17E-07	5.46E-07	3.07E-07	-2.39E-07	1.18E-06	6.65E-07	-5.17E-07
2981	478876.6	3850121.93	5.00E-06	2.76E-06	-2.24E-06	1.10E-06	6.18E-07	-4.81E-07	5.08E-07	2.86E-07	-2.22E-07	1.10E-06	6.18E-07	-4.81E-07
2982	478976.6	3850121.93	4.39E-06	2.42E-06	-1.97E-06	9.65E-07	5.43E-07	-4.22E-07	4.46E-07	2.51E-07	-1.95E-07	9.65E-07	5.43E-07	-4.22E-07
2983	479026.6	3850121.93	4.14E-06	2.29E-06	-1.86E-06	9.10E-07	5.12E-07	-3.98E-07	4.21E-07	2.37E-07	-1.84E-07	9.10E-07	5.12E-07	-3.98E-07
2984	479076.6	3850121.93	3.92E-06	2.16E-06	-1.75E-06	8.60E-07	4.84E-07	-3.76E-07	3.98E-07	2.24E-07	-1.74E-07	8.60E-07	4.84E-07	-3.76E-07
2985	479126.6	3850121.93	3.71E-06	2.05E-06	-1.66E-06	8.16E-07	4.59E-07	-3.57E-07	3.77E-07	2.12E-07	-1.65E-07	8.16E-07	4.59E-07	-3.57E-07
2986	478776.6	3850171.93	7.00E-06	3.86E-06	-3.14E-06	1.54E-06	8.64E-07	-6.74E-07	7.11E-07	3.99E-07	-3.12E-07	1.54E-06	8.64E-07	-6.74E-07
2987	478826.6	3850171.93	6.37E-06	3.51E-06	-2.86E-06	1.40E-06	7.86E-07	-6.13E-07	6.47E-07	3.63E-07	-2.83E-07	1.40E-06	7.86E-07	-6.13E-07
2988	478876.6	3850171.93	5.84E-06	3.22E-06	-2.62E-06	1.28E-06	7.21E-07	-5.62E-07	5.93E-07	3.33E-07	-2.60E-07	1.28E-06	7.21E-07	-5.62E-07
2989	478976.6	3850171.93	5.02E-06	2.77E-06	-2.25E-06	1.10E-06	6.20E-07	-4.82E-07	5.09E-07	2.86E-07	-2.23E-07	1.10E-06	6.20E-07	-4.82E-07
2990	479026.6	3850171.93	4.69E-06	2.59E-06	-2.10E-06	1.03E-06	5.79E-07	-4.51E-07	4.76E-07	2.68E-07	-2.08E-07	1.03E-06	5.79E-07	-4.51E-07
2991	479076.6	3850171.93	4.40E-06	2.43E-06	-1.97E-06	9.68E-07	5.44E-07	-4.23E-07	4.47E-07	2.51E-07	-1.96E-07	9.68E-07	5.44E-07	-4.23E-07
2992	479126.6	3850171.93	4.15E-06	2.29E-06	-1.86E-06	9.12E-07	5.13E-07	-3.99E-07	4.22E-07	2.37E-07	-1.84E-07	9.12E-07	5.13E-07	-3.99E-07
2993	479176.6	3850171.93	3.93E-06	2.17E-06	-1.76E-06	8.63E-07	4.86E-07	-3.78E-07	3.99E-07	2.24E-07	-1.75E-07	8.63E-07	4.86E-07	-3.78E-07
2994	479226.6	3850171.93	3.74E-06	2.06E-06	-1.67E-06	8.21E-07	4.62E-07	-3.59E-07	3.79E-07	2.13E-07	-1.66E-07	8.21E-07	4.62E-07	-3.59E-07
2995	479276.6	3850171.93	3.56E-06	1.97E-06	-1.60E-06	7.83E-07	4.40E-07	-3.42E-07	3.62E-07	2.03E-07	-1.58E-07	7.83E-07	4.40E-07	-3.42E-07
2996	479326.6	3850171.93	3.40E-06	1.88E-06	-1.52E-06	7.47E-07	4.20E-07	-3.27E-07	3.45E-07	1.94E-07	-1.51E-07	7.47E-07	4.20E-07	-3.27E-07
2997	479376.6	3850171.93	3.24E-06	1.79E-06	-1.45E-06	7.13E-07	4.01E-07	-3.12E-07	3.29E-07	1.85E-07	-1.44E-07	7.13E-07	4.01E-07	-3.12E-07
2998	478676.6	3850221.93	1.19E-05	6.51E-06	-5.35E-06	2.60E-06	1.46E-06	-1.15E-06	1.20E-06	6.73E-07	-5.31E-07	2.60E-06	1.46E-06	-1.15E-06
2999	478726.6	3850221.93	1.01E-05	5.55E-06	-4.55E-06	2.22E-06	1.24E-06	-9.77E-07	1.03E-06	5.74E-07	-4.51E-07	2.22E-06	1.24E-06	-9.77E-07
3000	478976.6	3850221.93	5.86E-06	3.23E-06	-2.63E-06	1.29E-06	7.23E-07	-5.64E-07	5.95E-07	3.34E-07	-2.61E-07	1.29E-06	7.23E-07	-5.64E-07
3001	479026.6	3850221.93	5.41E-06	2.98E-06	-2.43E-06	1.19E-06	6.68E-07	-5.21E-07	5.49E-07	3.09E-07	-2.41E-07	1.19E-06	6.68E-07	-5.21E-07
3002	479076.6	3850221.93	5.03E-06	2.78E-06	-2.26E-06	1.11E-06	6.21E-07	-4.84E-07	5.11E-07	2.87E-07	-2.24E-07	1.11E-06	6.21E-07	-4.84E-07
3003	479126.6	3850221.93	4.70E-06	2.59E-06	-2.11E-06	1.03E-06	5.81E-07	-4.53E-07	4.78E-07	2.68E-07	-2.09E-07	1.03E-06	5.81E-07	-4.53E-07
3004	479176.6	3850221.93	4.42E-06	2.44E-06	-1.98E-06	9.71E-07	5.46E-07	-4.25E-07	4.49E-07	2.52E-07	-1.96E-07	9.71E-07	5.46E-07	-4.25E-07
3005	479226.6	3850221.93	4.17E-06	2.30E-06	-1.87E-06	9.16E-07	5.15E-07	-4.01E-07	4.23E-07	2.38E-07	-1.85E-07	9.16E-07	5.15E-07	-4.01E-07
3006	479276.6	3850221.93	3.95E-06	2.18E-06	-1.77E-06	8.67E-07	4.87E-07	-3.79E-07	4.01E-07	2.25E-07	-1.75E-07	8.67E-07	4.87E-07	-3.79E-07
3007	479326.6	3850221.93	3.75E-06	2.07E-06	-1.68E-06	8.23E-07	4.63E-07	-3.60E-07	3.81E-07	2.14E-07	-1.67E-07	8.23E-07	4.63E-07	-3.60E-07
3008	479376.6	3850221.93	3.57E-06	1.97E-06	-1.60E-06	7.84E-07	4.41E-07	-3.43E-07	3.62E-07	2.04E-07	-1.58E-07	7.84E-07	4.41E-07	-3.43E-07
3009	478676.6	3850271.93	1.82E-05	9.93E-06	-8.25E-06	3.99E-06	2.22E-06	-1.77E-06	1.85E-06	1.03E-06	-8.18E-07	3.99E-06	2.22E-06	-1.77E-06
3010	478726.6	3850271.93	1.44E-05	7.89E-06	-6.52E-06	3.17E-06	1.77E-06	-1.40E-06	1.46E-06	8.17E-07	-6.47E-07	3.17E-06	1.77E-06	-1.40E-06
3011	478976.6	3850271.93	7.06E-06	3.89E-06	-3.17E-06	1.55E-06	8.70E-07	-6.81E-07	7.17E-07	4.02E-07	-3.15E-07	1.55E-06	8.70E-07	-6.81E-07
3012	479026.6	3850271.93	6.41E-06	3.53E-06	-2.88E-06	1.41E-06	7.90E-07	-6.18E-07	6.51E-07	3.65E-07	-2.86E-07	1.41E-06	7.90E-07	-6.18E-07
3013	479076.6	3850271.93	5.88E-06	3.24E-06	-2.64E-06	1.29E-06	7.25E-07	-5.66E-07	5.97E-07	3.35E-07	-2.62E-07	1.29E-06	7.25E-07	-5.66E-07
3014	479126.6	3850271.93	5.43E-06	2.99E-06	-2.44E-06	1.19E-06	6.70E-07	-5.23E-07	5.51E-07	3.10E-07	-2.42E-07	1.19E-06	6.70E-07	-5.23E-07
3015	479176.6	3850271.93	5.05E-06	2.78E-06	-2.26E-06	1.11E-06	6.23E-07	-4.86E-07	5.13E-07	2.88E-07	-2.25E-07	1.11E-06	6.23E-07	-4.86E-07
3016	479226.6	3850271.93	4.72E-06	2.60E-06	-2.12E-06	1.04E-06	5.82E-07	-4.54E-07	4.79E-07	2.69E-07	-2.10E-07	1.04E-06	5.82E-07	-4.54E-07
3017	479276.6	3850271.93	4.43E-06	2.44E-06	-1.99E-06	9.74E-07	5.47E-07	-4.26E-07	4.50E-07	2.53E-07	-1.97E-07	9.74E-07	5.47E-07	-4.26E-07
3018	479326.6	3850271.93	4.18E-06	2.31E-06	-1.88E-06	9.19E-07	5.16E-07	-4.02E-07	4.25E-07	2.39E-07	-1.86E-07	9.19E-07	5.16E-07	-4.02E-07
3019	479376.6	3850271.93	3.95E-06	2.18E-06	-1.77E-06	8.68E-07	4.88E-07	-3.80E-07	4.01E-07	2.26E-07	-1.76E-07	8.68E-07	4.88E-07	-3.80E-07
3020	479053.2	3850293.52	6.62E-06	3.64E-06	-2.97E-06	1.45E-06	8.16E-07	-6.38E-07	6.72E-07	3.77E-07	-2.95E-07	1.45E-06	8.16E-07	-6.38E-07
3021	479103.2	3850293.52	6.05E-06	3.33E-06	-2.72E-06	1.33E-06	7.46E-07	-5.83E-07	6.14E-07	3.45E-07	-2.70E-07	1.33E-06	7.46E-07	-5.83E-07
3022	479153.2	3850293.52	5.58E-06	3.07E-06	-2.50E-06	1.23E-06	6.88E-07	-5.37E-07	5.66E-07	3.18E-07	-2.48E-07	1.23E-06	6.88E-07	-5.37E-07
3023	479203.2	3850293.52	5.17E-06	2.85E-06	-2.32E-06	1.14E-06	6.39E-07	-4.98E-07	5.25E-07	2.95E-07	-2.30E-07	1.14E-06	6.39E-07	-4.98E-07
3024	479253.2	3850293.52	4.83E-06	2.66E-06	-2.17E-06	1.06E-06	5.96E-07	-4.65E-07	4.90E-07	2.75E-07	-2.15E-07	1.06E-06	5.96E-07	-4.65E-07
3025	479303.2	3850293.52	4.53E-06	2.50E-06	-2.03E-06	9.95E-07	5.59E-07	-4.36E-07	4.60E-07	2.59E-07	-2.02E-07	9.95E-07	5.59E-07	-4.36E-07
3026	479353.2	3850293.52	4.27E-06	2.35E-06	-1.91E-06	9.37E-07	5.27E-07	-4.11E-07	4.33E-07	2.43E-07	-1.90E-07	9.37E-07	5.27E-07	-4.11E-07
3027	479153.2	3850343.52	6.65E-06	3.66E-06	-2.99E-06	1.46E-06	8.20E-07	-6.42E-07	6.75E-07	3.79E-07	-2.97E-07	1.46E-06	8.20E-07	-6.42E-07
3028	479203.2	3850343.52	6.08E-06	3.35E-06	-2.73E-06	1.34E-06	7.49E-07	-5.86E-07	6.17E-07	3.46E-07	-2.71E-07	1.34E-06	7.49E-07	-5.86E-07
3029	479253.2	3850343.52	5.60E-06	3.09E-06	-2.52E-06	1.23E-06	6.91E-07	-5.40E-07	5.69E-07	3.19E-07	-2.50E-07	1.23E-06	6.91E-07	-5.40E-07
3030	479303.2	3850343.52	5.20E-06	2.87E-06	-2.34E-06	1.14E-06	6.42E-07	-5.01E-07	5.28E-07	2.97E-07	-2.32E-07	1.14E-06	6.42E-07	-5.01E-07
3031	479353.2	3850343.52	4.85E-06	2.67E-06	-2.18E-06	1.07E-06	5.99E-07	-4.67E-07	4.93E-07	2.77E-07	-2.16E-07	1.07E-06	5.99E-07	-4.67E-07
3032	479203.2	3850393.52	7.39E-06	4.07E-06	-3.33E-06	1.62E-06	9.10E-07	-7.14E-07	7.51E-07	4.21E-07	-3.30E-07	1.62E-06	9.10E-07	-7.14E-07
3033	479253.2	3850393.52	6.70E-06	3.68E-06	-3.01E-06	1.47E-06	8.25E-07	-6.46E-07	6.80E-07	3.81E-07	-2.99E-07	1.47E-06	8.25E-07	-6.46E-07
3034	479303.2	3850393.52	6.13E-06	3.37E-06	-2.75E-06	1.35E-06	7.55E-07	-5.91E-07	6.22E-07	3.49E-07	-2.73E-07	1.35E-06	7.55E-07	-5.91E-07
3035	479353.2	3850393.52	5.64E-06	3.11E-06	-2.54E-06	1.24E-06	6.96E-07	-5.44E-07	5.73E-07	3.21E-07	-2.52E-07	1.24E-06	6.96E-07	-5.44E-07
3036	479403.2	3850393.52	5.23E-06	2.88E-06	-2.35E-06	1.15E-06	6.44E-07	-5.04E-07	5.31E-07	2.98E-07	-2.33E-07	1.15E-06	6.44E-07	-5.04E-07
3037	479453.2	3850393.52	4.86E-06	2.68E-06	-2.18E-06	1.07E-06	5.99E-07	-4.68E-07	4.93E-07	2.77E-07	-2.16E-07	1.07E-06	5.99E-07	-4.68E-07
3038	479503.2	3850393.52	4.53E-06	2.49E-06	-2.03E-06	9.94E-07	5.58E-07	-4.36E-07	4.60E-07	2.58E-07	-2.02E-07	9.94E-07	5.58E-07	-4.36E-07
3039	479303.2	3850443.52	7.47E-06	4.11E-06	-3.37E-06	1.64E-06	9.20E-07	-7.22E-07	7.59E-07	4.25E-07	-3.34E-07	1.64E-06	9.20E-07	-7.22E-07
3040	479353.2	3850443.52	6.76E-06	3.72E-06	-3.04E-06	1.48E-06	8.32E-07	-6.53E-07	6.86E-07	3.85E-07	-3.02E-07	1.48E-06	8.32E-07	-6.53E-07
3041	479403.2	3850443.52	6.16E-06	3.39E-06	-2.77E-06	1.35E-06	7.58E-07	-5.94E-07	6.25E-07	3.50E-07	-2.75E-07	1.35E-06	7.58E-07	-5.94E-07
3042	479453.2	3850443.52	5.64E-06	3.10E-06	-2.54E-06	1.24E-06	6.95E-07	-5.44E-07	5.73E-07	3.21E-07	-2.52E-07	1.24E-06	6.95E-07	-5.44E-07
3043	479503.2	3850443.52	5.19E-06	2.86E-06	-2.33E-06	1.14E-06	6.40E-07	-5.01E-07	5.27E-07	2.96E-07	-2.32E-07	1.14E-06	6.40E-07	-5.01E-07

3044	480327.2	3850987.04	9.11E-06	5.02E-06	-4.10E-06	2.00E-06	1.12E-06	-8.79E-07	9.25E-07	5.19E-07	-4.06E-07	2.00E-06	1.12E-06	-8.79E-07
3045	480377.2	3850987.04	8.04E-06	4.43E-06	-3.61E-06	1.77E-06	9.92E-07	-7.74E-07	8.16E-07	4.59E-07	-3.58E-07	1.77E-06	9.92E-07	-7.74E-07
3046	480427.2	3850987.04	7.18E-06	3.96E-06	-3.22E-06	1.58E-06	8.86E-07	-6.91E-07	7.29E-07	4.10E-07	-3.19E-07	1.58E-06	8.86E-07	-6.91E-07
3047	480477.2	3850987.04	6.46E-06	3.56E-06	-2.89E-06	1.42E-06	7.98E-07	-6.21E-07	6.56E-07	3.69E-07	-2.87E-07	1.42E-06	7.98E-07	-6.21E-07
3048	480327.2	3851037.04	1.25E-05	6.88E-06	-5.63E-06	2.75E-06	1.54E-06	-1.21E-06	1.27E-06	7.12E-07	-5.58E-07	2.75E-06	1.54E-06	-1.21E-06
3049	480377.2	3851037.04	1.06E-05	5.83E-06	-4.76E-06	2.33E-06	1.31E-06	-1.02E-06	1.07E-06	6.03E-07	-4.72E-07	2.33E-06	1.31E-06	-1.02E-06
3050	480427.2	3851037.04	9.14E-06	5.04E-06	-4.10E-06	2.01E-06	1.13E-06	-8.80E-07	9.28E-07	5.21E-07	-4.07E-07	2.01E-06	1.13E-06	-8.80E-07
3051	480477.2	3851037.04	8.03E-06	4.43E-06	-3.60E-06	1.76E-06	9.92E-07	-7.72E-07	8.16E-07	4.59E-07	-3.57E-07	1.76E-06	9.92E-07	-7.72E-07
3052	480622.1	3851087.39	7.23E-06	4.00E-06	-3.23E-06	1.59E-06	8.95E-07	-6.93E-07	7.34E-07	4.14E-07	-3.20E-07	1.59E-06	8.95E-07	-6.93E-07
3053	480672.1	3851087.39	6.51E-06	3.60E-06	-2.91E-06	1.43E-06	8.07E-07	-6.24E-07	6.61E-07	3.73E-07	-2.89E-07	1.43E-06	8.07E-07	-6.24E-07
3054	480622.1	3851137.39	9.30E-06	5.14E-06	-4.16E-06	2.04E-06	1.15E-06	-8.92E-07	9.44E-07	5.32E-07	-4.12E-07	2.04E-06	1.15E-06	-8.92E-07
3055	480672.1	3851137.39	8.14E-06	4.50E-06	-3.64E-06	1.79E-06	1.01E-06	-7.81E-07	8.27E-07	4.66E-07	-3.61E-07	1.79E-06	1.01E-06	-7.81E-07
3056	480722.1	3851137.39	7.25E-06	4.02E-06	-3.24E-06	1.59E-06	8.99E-07	-6.95E-07	7.37E-07	4.16E-07	-3.21E-07	1.59E-06	8.99E-07	-6.95E-07
3057	480622.1	3851187.39	1.30E-05	7.17E-06	-5.81E-06	2.85E-06	1.61E-06	-1.25E-06	1.32E-06	7.42E-07	-5.76E-07	2.85E-06	1.61E-06	-1.25E-06
3058	480672.1	3851187.39	1.09E-05	6.01E-06	-4.85E-06	2.39E-06	1.35E-06	-1.04E-06	1.10E-06	6.22E-07	-4.81E-07	2.39E-06	1.35E-06	-1.04E-06
3059	480722.1	3851187.39	9.34E-06	5.17E-06	-4.17E-06	2.05E-06	1.16E-06	-8.95E-07	9.49E-07	5.35E-07	-4.13E-07	2.05E-06	1.16E-06	-8.95E-07
3060	471363.1	3845877.25	3.33E-07	1.84E-07	-1.48E-07	7.31E-08	4.13E-08	-3.18E-08	3.38E-08	1.91E-08	-1.47E-08	7.31E-08	4.13E-08	-3.18E-08
3061	471863.1	3845877.25	3.32E-07	1.84E-07	-1.48E-07	7.29E-08	4.11E-08	-3.18E-08	3.37E-08	1.90E-08	-1.47E-08	7.29E-08	4.11E-08	-3.18E-08
3062	472363.1	3845877.25	3.82E-07	2.11E-07	-1.71E-07	8.40E-08	4.73E-08	-3.67E-08	3.88E-08	2.19E-08	-1.69E-08	8.40E-08	4.73E-08	-3.67E-08
3063	472863.1	3845877.25	3.69E-07	2.04E-07	-1.65E-07	8.10E-08	4.57E-08	-3.53E-08	3.74E-08	2.11E-08	-1.63E-08	8.10E-08	4.57E-08	-3.53E-08
3064	473363.1	3845877.25	3.78E-07	2.10E-07	-1.68E-07	8.30E-08	4.70E-08	-3.60E-08	3.84E-08	2.17E-08	-1.66E-08	8.30E-08	4.70E-08	-3.60E-08
3065	473863.1	3845877.25	3.83E-07	2.13E-07	-1.70E-07	8.42E-08	4.77E-08	-3.65E-08	3.89E-08	2.21E-08	-1.69E-08	8.42E-08	4.77E-08	-3.65E-08
3066	474363.1	3845877.25	4.07E-07	2.26E-07	-1.81E-07	8.93E-08	5.06E-08	-3.87E-08	4.13E-08	2.34E-08	-1.79E-08	8.93E-08	5.06E-08	-3.87E-08
3067	474863.1	3845877.25	4.19E-07	2.33E-07	-1.86E-07	9.21E-08	5.21E-08	-4.00E-08	4.26E-08	2.41E-08	-1.85E-08	9.21E-08	5.21E-08	-4.00E-08
3068	475363.1	3845877.25	4.25E-07	2.35E-07	-1.90E-07	9.33E-08	5.26E-08	-4.07E-08	4.31E-08	2.43E-08	-1.88E-08	9.33E-08	5.26E-08	-4.07E-08
3069	475863.1	3845877.25	4.14E-07	2.29E-07	-1.85E-07	9.09E-08	5.12E-08	-3.97E-08	4.20E-08	2.37E-08	-1.83E-08	9.09E-08	5.12E-08	-3.97E-08
3070	476363.1	3845877.25	3.93E-07	2.18E-07	-1.75E-07	8.64E-08	4.88E-08	-3.76E-08	3.99E-08	2.25E-08	-1.74E-08	8.64E-08	4.88E-08	-3.76E-08
3071	476863.1	3845877.25	3.70E-07	2.05E-07	-1.64E-07	8.12E-08	4.60E-08	-3.52E-08	3.75E-08	2.13E-08	-1.63E-08	8.12E-08	4.60E-08	-3.52E-08
3072	477363.1	3845877.25	3.51E-07	1.95E-07	-1.56E-07	7.71E-08	4.37E-08	-3.34E-08	3.56E-08	2.02E-08	-1.54E-08	7.71E-08	4.37E-08	-3.34E-08
3073	477863.1	3845877.25	3.29E-07	1.83E-07	-1.46E-07	7.23E-08	4.09E-08	-3.14E-08	3.34E-08	1.89E-08	-1.45E-08	7.23E-08	4.09E-08	-3.14E-08
3074	478363.1	3845877.25	3.17E-07	1.75E-07	-1.41E-07	6.96E-08	3.93E-08	-3.03E-08	3.22E-08	1.82E-08	-1.40E-08	6.96E-08	3.93E-08	-3.03E-08
3075	478863.1	3845877.25	3.05E-07	1.69E-07	-1.36E-07	6.70E-08	3.78E-08	-2.92E-08	3.10E-08	1.75E-08	-1.35E-08	6.70E-08	3.78E-08	-2.92E-08
3076	479363.1	3845877.25	2.99E-07	1.66E-07	-1.33E-07	6.56E-08	3.71E-08	-2.85E-08	3.03E-08	1.72E-08	-1.32E-08	6.56E-08	3.71E-08	-2.85E-08
3077	479863.1	3845877.25	2.87E-07	1.59E-07	-1.28E-07	6.30E-08	3.57E-08	-2.74E-08	2.91E-08	1.65E-08	-1.27E-08	6.30E-08	3.57E-08	-2.74E-08
3078	480363.1	3845877.25	2.68E-07	1.49E-07	-1.19E-07	5.89E-08	3.33E-08	-2.56E-08	2.72E-08	1.54E-08	-1.18E-08	5.89E-08	3.33E-08	-2.56E-08
3079	480863.1	3845877.25	2.56E-07	1.42E-07	-1.14E-07	5.63E-08	3.18E-08	-2.45E-08	2.60E-08	1.47E-08	-1.13E-08	5.63E-08	3.18E-08	-2.45E-08
3080	481363.1	3845877.25	2.46E-07	1.36E-07	-1.09E-07	5.40E-08	3.05E-08	-2.35E-08	2.49E-08	1.41E-08	-1.08E-08	5.40E-08	3.05E-08	-2.35E-08
3081	481863.1	3845877.25	2.34E-07	1.30E-07	-1.04E-07	5.14E-08	2.91E-08	-2.23E-08	2.37E-08	1.34E-08	-1.03E-08	5.14E-08	2.91E-08	-2.23E-08
3082	482363.1	3845877.25	2.22E-07	1.23E-07	-9.89E-08	4.88E-08	2.76E-08	-2.12E-08	2.26E-08	1.28E-08	-9.80E-09	4.88E-08	2.76E-08	-2.12E-08
3083	482863.1	3845877.25	1.98E-07	1.10E-07	-8.80E-08	4.35E-08	2.46E-08	-1.89E-08	2.01E-08	1.14E-08	-8.72E-09	4.35E-08	2.46E-08	-1.89E-08
3084	483363.1	3845877.25	1.86E-07	1.03E-07	-8.30E-08	4.09E-08	2.31E-08	-1.78E-08	1.89E-08	1.07E-08	-8.23E-09	4.09E-08	2.31E-08	-1.78E-08
3085	483863.1	3845877.25	2.01E-07	1.11E-07	-8.92E-08	4.41E-08	2.49E-08	-1.91E-08	2.04E-08	1.15E-08	-8.84E-09	4.41E-08	2.49E-08	-1.91E-08
3086	484363.1	3845877.25	1.99E-07	1.10E-07	-8.86E-08	4.37E-08	2.47E-08	-1.90E-08	2.02E-08	1.14E-08	-8.79E-09	4.37E-08	2.47E-08	-1.90E-08
3087	484863.1	3845877.25	1.94E-07	1.08E-07	-8.66E-08	4.27E-08	2.41E-08	-1.86E-08	1.97E-08	1.11E-08	-8.59E-09	4.27E-08	2.41E-08	-1.86E-08
3088	485363.1	3845877.25	1.87E-07	1.04E-07	-8.31E-08	4.11E-08	2.33E-08	-1.78E-08	1.90E-08	1.08E-08	-8.24E-09	4.11E-08	2.33E-08	-1.78E-08
3089	485863.1	3845877.25	1.87E-07	1.04E-07	-8.34E-08	4.11E-08	2.32E-08	-1.79E-08	1.90E-08	1.07E-08	-8.27E-09	4.11E-08	2.32E-08	-1.79E-08
3090	486363.1	3845877.25	1.84E-07	1.02E-07	-8.22E-08	4.05E-08	2.29E-08	-1.76E-08	1.87E-08	1.06E-08	-8.15E-09	4.05E-08	2.29E-08	-1.76E-08
3091	486863.1	3845877.25	1.77E-07	9.83E-08	-7.90E-08	3.89E-08	2.20E-08	-1.69E-08	1.80E-08	1.02E-08	-7.83E-09	3.89E-08	2.20E-08	-1.69E-08
3092	487363.1	3845877.25	1.75E-07	9.68E-08	-7.77E-08	3.83E-08	2.17E-08	-1.67E-08	1.77E-08	1.00E-08	-7.71E-09	3.83E-08	2.17E-08	-1.67E-08
3093	487863.1	3845877.25	1.68E-07	9.33E-08	-7.49E-08	3.70E-08	2.09E-08	-1.61E-08	1.71E-08	9.65E-09	-7.43E-09	3.70E-08	2.09E-08	-1.61E-08
3094	488363.1	3845877.25	1.65E-07	9.13E-08	-7.33E-08	3.62E-08	2.04E-08	-1.57E-08	1.67E-08	9.45E-09	-7.27E-09	3.62E-08	2.04E-08	-1.57E-08
3095	488863.1	3845877.25	1.73E-07	9.58E-08	-7.69E-08	3.79E-08	2.14E-08	-1.65E-08	1.75E-08	9.91E-09	-7.63E-09	3.79E-08	2.14E-08	-1.65E-08
3096	489363.1	3845877.25	1.71E-07	9.48E-08	-7.61E-08	3.76E-08	2.12E-08	-1.63E-08	1.74E-08	9.81E-09	-7.55E-09	3.76E-08	2.12E-08	-1.63E-08
3097	489863.1	3845877.25	1.66E-07	9.16E-08	-7.40E-08	3.64E-08	2.05E-08	-1.59E-08	1.68E-08	9.47E-09	-7.33E-09	3.64E-08	2.05E-08	-1.59E-08
3098	490363.1	3845877.25	1.57E-07	8.71E-08	-7.03E-08	3.46E-08	1.95E-08	-1.51E-08	1.60E-08	9.01E-09	-6.97E-09	3.46E-08	1.95E-08	-1.51E-08
3099	490863.1	3845877.25	1.42E-07	7.89E-08	-6.32E-08	3.12E-08	1.77E-08	-1.36E-08	1.44E-08	8.17E-09	-6.27E-09	3.12E-08	1.77E-08	-1.36E-08
3100	491363.1	3845877.25	1.49E-07	8.26E-08	-6.67E-08	3.28E-08	1.85E-08	-1.43E-08	1.52E-08	8.55E-09	-6.61E-09	3.28E-08	1.85E-08	-1.43E-08
3101	491863.1	3845877.25	1.52E-07	8.41E-08	-6.79E-08	3.34E-08	1.88E-08	-1.46E-08	1.54E-08	8.70E-09	-6.73E-09	3.34E-08	1.88E-08	-1.46E-08
3102	492363.1	3845877.25	1.41E-07	7.82E-08	-6.31E-08	3.10E-08	1.75E-08	-1.35E-08	1.43E-08	8.09E-09	-6.25E-09	3.10E-08	1.75E-08	-1.35E-08
3103	492863.1	3845877.25	1.51E-07	8.39E-08	-6.73E-08	3.32E-08	1.88E-08	-1.44E-08	1.53E-08	8.68E-09	-6.67E-09	3.32E-08	1.88E-08	-1.44E-08
3104	493363.1	3845877.25	1.54E-07	8.54E-08	-6.85E-08	3.38E-08	1.91E-08	-1.47E-08	1.56E-08	8.83E-09	-6.79E-09	3.38E-08	1.91E-08	-1.47E-08
3105	493863.1	3845877.25	1.56E-07	8.63E-08	-6.93E-08	3.42E-08	1.93E-08	-1.49E-08	1.58E-08	8.94E-09	-6.87E-09	3.42E-08	1.93E-08	-1.49E-08
3106	494363.1	3845877.25	1.57E-07	8.68E-08	-6.97E-08	3.44E-08	1.94E-08	-1.49E-08	1.59E-08	8.99E-09	-6.91E-09	3.44E-08	1.94E-08	-1.49E-08
3107	494863.1	3845877.25	1.57E-07	8.68E-08	-6.97E-08	3.44E-08	1.94E-08	-1.49E-08	1.59E-08	8.99E-09	-6.91E-09	3.44E-08	1.94E-08	-1.49E-08
3108	495363.1	3845877.25	1.57E-07	8.73E-08	-7.01E-08	3.46E-08	1.96E-08	-1.50E-08	1.60E-08	9.04E-09	-6.95E-09	3.46E-08	1.96E-08	-1.50E-08
3109	495863.1	3845877.25	1.58E-07	8.78E-08	-7.05E-08	3.48E-08	1.97E-08	-1.51E-08	1.61E-08	9.09E-09	-6.99E-09	3.48E-08	1.97E-08	-1.51E-08
3110	496363.1	3845877.25	1.59E-07	8.83E-08	-7.09E-08	3.50E-08	1.98E-08	-1.52E-08	1.62E-08	9.14E-09	-7.03E-09	3.50E-08	1.98E-08	-1.52E-08
3111	496863.1	3845877.25	1.58E-07	8.81E-08	-7.02E-08	3.48E-08	1.97E-08	-1.51E-08	1.61E-08	9.12E-09	-6.96E-09	3.48E-08	1.97E-08	-1.51E-08
3112	497363.1	3845877.25	1.58E-07	8.78E-08	-7.05E-08	3.48E-08	1.97E-08	-1.51E-08	1.61E-08	9.09E-09	-6.99E-09	3.48E-08	1.97E-08	-1.51E-08
3113	497863.1	3845877.25	1.57E-07	8.73E-08	-7.01E-08	3.46E-08	1.96E-08	-1.50E-08	1.60E-08	9.04E-09	-6.95E-09	3.46E-08	1.96E-08	-1.50E-08
3114	498363.1	3845877.25	1.57E-07	8.71E-08	-6.94E-08	3.44E-08	1.95E-08	-1.49E-08	1.59E-08	9.01E-09	-6.88E-09	3.44E-08	1.95E-08	-1.49E-08
3115	471363.1	3846377.25	6.11E-06	3.39E-06	-2.73E-06	1.34E-06	7.58E-07	-5.85E-07	6.21E-07	3.50E-07	-2.70E-07	1.34E-06	7.58E-07	-5.85E-07
3116	471863.1	3846377.25	5.16E-06	2.86E-06	-2.30E-06	1.13E-06	6.40E-07	-4.94E-07	5.24E-07	2.96E-07	-2.28E-07	1.13E-06	6.40E-07	-4.94E-07
3117	472363.1	3846377.25	1.57E-06	8.70E-07	-7.01E-07	3.45E-07	1.95E-07	-1.50E-07	1.59E-07	9.00E-08	-6.95E-08	3.45E-07	1.95E-07	-1.50E-07
3118	472863.1	3846377.25	1.09E-06	6.03E-07	-4.87E-07	2.40E-07	1.35E-07	-1.04E-07	1.11E-07	6.24E-08	-4.83E-08	2.40E-07	1.35E-07	-1.04E-07
3119	473363.1	3846377.25	8.59E-07	4.76E-07	-3.83E-07	1.89E-07	1.07E-07	-8.22E-08	8.72E-08	4.92E-08	-3.80E-08	1.89E-07	1.07E-07	-8.22E-08
3120	473863.1	3846377.25	7.69E-07	4.27E-07	-3.43E-07	1.69E-07	9.55E-08	-7.35E-08	7.81E-08	4.41E-08	-3.40E-08	1.69E-07	9.55E-08	-7.35E-08
3121	474363.1	3846377.25	6.95E-07	3.86E-07	-3.09E-07	1.53E-07	8.65E-08	-6.63E-08	7.06E-08	4.00E-08	-3.06E-08	1.53E-07	8.65E-08	-6.63E-08
3122	474863.1	3846377.25	6.53E-07	3.63E-07	-2.90E-07	1.43E-07	8.12E-08	-6.23E-08	6.63E-08	3.75E-08	-2.88E-08	1.43E-07	8.12E-08	-6.23E-08
3123	475363.1	3846377.25	6.07E-07	3.37E-07	-2.70E-07	1.33E-07	7.54E-08	-5.80E-08	6.17E-08	3.49E-08	-2.68E-08	1.33E-07	7.54E-08	-5.80E-08
3124	475863.1	3846377.25	5.73E-07	3.17E-07	-2.56E-07	1.26E-07	7.09E-08	-5.49E-08	5.82E-08	3.28E-08	-2.54E-08	1.26E-07	7.09E-08	-5.49E-08
3125	476363.1	3846377.25	5.26E-07	2.91E-07	-2.35E-07	1.16E-07	6.52E-08	-5.04E-08	5.34E-08	3.01E-08	-2.33E-08	1.16E-07	6.52E-08	-5.04E-08
3126	476863.1	3846377.25	4.87E-07	2.70E-07	-2.17E-07	1.07E-07	6.04E-08	-4.65E-08	4.94E-08	2.79E-08	-2.15E-08	1.07E-07	6.04E-08	-4.65E-08
3127	477363.1	3846377.25	4.52E-07	2.51E-07	-2.00E-07	9.92E-08	5.62E-08	-4.30E-08	4.59E-08	2.60E-08	-1.99E-08	9.92E-08	5.62E-08	-4.30E-08
3128	477863.1	3846377.25	4.16E-07	2.32E-07	-1.85E-07	9.15E-08	5.19E-08	-3.96E-08	4.23E-08	2.40E-08	-1.83E-08	9.15E-08	5.19E-08	-3.96E-08
3129	478363.1	3846377.25	3.91E-07	2.17E-07	-1.74E-07	8.60E-08	4.86E-08	-3.74E-08	3.97E-08	2.25E-08	-1.73E-08	8.60E-08	4.86E-08	-3.74E-08
3130	478863.1	3846377.25	3.77E-07	2.09E-07	-1.68E-07	8.28E-08	4.67E-08	-3.61E-08	3.83E-08	2.16E-08	-1.67E-08	8.28E-08	4.67E-08	-3.61E-08
3131	479363.1	3846377.25	3.60E-07	1.99E-07	-1.60E-07	7.91E-08	4.47E-08	-3.44E-08	3.65E-08	2.06E-08	-1.59E-08	7.91E-08	4.47E-08	-3.44E-08
3132	479863.1	3846377.25	3.41E-07	1.89E-07	-1.52E-07	7.49E-08	4.23E-08	-3.26E-08	3.46E-08	1.96E-08	-1.51E-08	7.49E-08	4.23E-08	-3.26E-08
3133	480363.1	3846377.25	3.29E-07	1.82E-07	-1.47E-07	7.23E-08	4.08E-08	-3.15E-08	3.34E-08	1.89E-08	-1.46E-08	7.23E-08	4.08E-08	-3.15E-08
3134	480863.1	3846377.25	3.03E-07	1.68E-07	-1.35E-07	6.66E-08	3.76E-08	-2.90E-08	3.08E-08	1.74E-08	-1.34E-08	6.66E-08	3.76E-08	-2.90E-08
3135	481363.1	3846377.25	2.91E-07	1.61E-07	-1.30E-07	6.38E-08	3.61E-08	-2.78E-08	2.95E-08	1.67E-08	-1.28E-08	6.38E-08	3.61E-08	-2.78E-08
3136	481863.1	3846377.25	2.74E-07	1.52E-07	-1.22E-07	6.03E-08	3.41E-08	-2.62E-08	2.79E-08	1.58E-08	-1.21E-08	6.03E-08	3.41E-08	-2.62E-08
3137	482363.1	3846377.25	2.57E-07	1.43E-07	-1.14E-07	5.65E-08	3.20E-08	-2.45E-08	2.61E-08	1.48E-08	-1.13E-08	5.65E-08	3.20E-08	-2.45E-08
3138	482863.1	3846377.25	2.35E-07	1.31E-07	-1.04E-07	5.16E-08	2.92E-08	-2.24E-08	2.38E-08	1.35E-08	-1.03E-08	5.16E-08	2.92E-08	-2.24E-08
3139	483363.1	3846377.25	2.37E-07	1.31E-07	-1.05E-07	5.20E-08	2.94E-08	-2.26E-08	2.40E-08	1.36E-08	-1.04E-08	5.20E-08	2.94E-08	-2.26E-08
3140	483863.1	3846377.25	2.30E-07	1.28E-07	-1.03E-07	5.06E-08	2.86E-08	-2.20E-08	2.34E-08	1.32E-08	-1.02E-08	5.06E-08	2.86E-08	-2.20E-08
3141	484363.1	3846377.25	2.18E-07	1.21E-07	-9.69E-08	4.78E-08	2.71E-08	-2.08E-08	2.21E-08	1.25E-08	-9.60E-09	4.78E-08	2.71E-08	-2.08E-08
3142	484863.1	3846377.25	2.23E-07	1.24E-07	-9.93E-08	4.90E-08	2.77E-08	-2.13E-08	2.27E-08	1.28E-08	-9.84E-09	4.90E-08	2.77E-08	-2.13E-08
3143	485363.1	3846377.25	2.20E-07	1.22E-07	-9.83E-08	4.84E-08	2.73E-08	-2.11E-08	2.24E-08	1.26E-08	-9.75E-09	4.84E-08	2.73E-08	-2.11E-08
3144	485863.1	3846377.25	2.11E-07	1.17E-07	-9.43E-08	4.64E-08	2.62E-08	-2.02E-08	2.15E-08	1.21E-08	-9.35E-09	4.64E-08	2.62E-08	-2.02E-08
3145	486363.1	3846377.25	1.95E-07	1.08E-07	-8.70E-08	4.29E-08	2.42E-08	-1.87E-08	1.98E-08	1.12E-08	-8.63E-09	4.29E-08	2.42E-08	-1.87E-08
3146	486863.1	3846377.25	1.89E-07	1.05E-07	-8.42E-08	4.15E-08	2.34E-08	-1.81E-08	1.92E-08	1.08E-08	-8.35E-09	4.15E-08	2.34E-08	-1.81E-08
3147	487363.1	3846377.25	1.90E-07	1.05E-07	-8.46E-08	4.17E-08	2.36E-08	-1.81E-08	1.93E-08	1.09E-08	-8.39E-09	4.17E-08	2.36E-08	-1.81E-08
3148	487863.1	3846377.25	1.96E-07	1.09E-07	-8.74E-08	4.31E-08	2.43E-08	-1.88E-08	1.99E-08	1.12E-08	-8.67E-09	4.31E-08	2.43E-08	-1.88E-08

3149	488363.1	3846377.25	1.92E-07	1.06E-07	-8.52E-08	4.21E-08	2.38E-08	-1.83E-08	1.95E-08	1.10E-08	-8.44E-09	4.21E-08	2.38E-08	-1.83E-08
3150	488863.1	3846377.25	1.89E-07	1.05E-07	-8.39E-08	4.15E-08	2.35E-08	-1.80E-08	1.92E-08	1.09E-08	-8.32E-09	4.15E-08	2.35E-08	-1.80E-08
3151	489363.1	3846377.25	1.86E-07	1.03E-07	-8.30E-08	4.09E-08	2.31E-08	-1.78E-08	1.89E-08	1.07E-08	-8.23E-09	4.09E-08	2.31E-08	-1.78E-08
3152	489863.1	3846377.25	1.80E-07	9.97E-08	-8.02E-08	3.95E-08	2.23E-08	-1.72E-08	1.83E-08	1.03E-08	-7.95E-09	3.95E-08	2.23E-08	-1.72E-08
3153	490363.1	3846377.25	1.65E-07	9.13E-08	-7.33E-08	3.62E-08	2.04E-08	-1.57E-08	1.67E-08	9.45E-09	-7.27E-09	3.62E-08	2.04E-08	-1.57E-08
3154	490863.1	3846377.25	1.57E-07	8.73E-08	-7.01E-08	3.46E-08	1.96E-08	-1.50E-08	1.60E-08	9.04E-09	-6.95E-09	3.46E-08	1.96E-08	-1.50E-08
3155	491363.1	3846377.25	1.55E-07	8.58E-08	-6.89E-08	3.40E-08	1.92E-08	-1.48E-08	1.57E-08	8.88E-09	-6.83E-09	3.40E-08	1.92E-08	-1.48E-08
3156	491863.1	3846377.25	1.64E-07	9.06E-08	-7.32E-08	3.60E-08	2.03E-08	-1.57E-08	1.66E-08	9.37E-09	-7.25E-09	3.60E-08	2.03E-08	-1.57E-08
3157	492363.1	3846377.25	1.59E-07	8.83E-08	-7.09E-08	3.50E-08	1.98E-08	-1.52E-08	1.62E-08	9.14E-09	-7.03E-09	3.50E-08	1.98E-08	-1.52E-08
3158	492863.1	3846377.25	1.59E-07	8.81E-08	-7.11E-08	3.50E-08	1.97E-08	-1.53E-08	1.62E-08	9.12E-09	-7.05E-09	3.50E-08	1.97E-08	-1.53E-08
3159	493363.1	3846377.25	1.65E-07	9.11E-08	-7.36E-08	3.62E-08	2.04E-08	-1.58E-08	1.67E-08	9.42E-09	-7.29E-09	3.62E-08	2.04E-08	-1.58E-08
3160	493863.1	3846377.25	1.66E-07	9.18E-08	-7.37E-08	3.64E-08	2.06E-08	-1.58E-08	1.68E-08	9.50E-09	-7.31E-09	3.64E-08	2.06E-08	-1.58E-08
3161	494363.1	3846377.25	1.66E-07	9.18E-08	-7.37E-08	3.64E-08	2.06E-08	-1.58E-08	1.68E-08	9.50E-09	-7.31E-09	3.64E-08	2.06E-08	-1.58E-08
3162	494863.1	3846377.25	1.66E-07	9.23E-08	-7.41E-08	3.66E-08	2.07E-08	-1.59E-08	1.69E-08	9.55E-09	-7.35E-09	3.66E-08	2.07E-08	-1.59E-08
3163	495363.1	3846377.25	1.66E-07	9.23E-08	-7.41E-08	3.66E-08	2.07E-08	-1.59E-08	1.69E-08	9.55E-09	-7.35E-09	3.66E-08	2.07E-08	-1.59E-08
3164	495863.1	3846377.25	1.67E-07	9.28E-08	-7.45E-08	3.68E-08	2.08E-08	-1.60E-08	1.70E-08	9.60E-09	-7.39E-09	3.68E-08	2.08E-08	-1.60E-08
3165	496363.1	3846377.25	1.68E-07	9.33E-08	-7.49E-08	3.70E-08	2.09E-08	-1.61E-08	1.71E-08	9.65E-09	-7.43E-09	3.70E-08	2.09E-08	-1.61E-08
3166	496863.1	3846377.25	1.67E-07	9.30E-08	-7.43E-08	3.68E-08	2.08E-08	-1.59E-08	1.70E-08	9.63E-09	-7.36E-09	3.68E-08	2.08E-08	-1.59E-08
3167	497363.1	3846377.25	1.67E-07	9.28E-08	-7.45E-08	3.68E-08	2.08E-08	-1.60E-08	1.70E-08	9.60E-09	-7.39E-09	3.68E-08	2.08E-08	-1.60E-08
3168	497863.1	3846377.25	1.66E-07	9.23E-08	-7.41E-08	3.66E-08	2.07E-08	-1.59E-08	1.69E-08	9.55E-09	-7.35E-09	3.66E-08	2.07E-08	-1.59E-08
3169	498363.1	3846377.25	1.65E-07	9.13E-08	-7.33E-08	3.62E-08	2.04E-08	-1.57E-08	1.67E-08	9.45E-09	-7.27E-09	3.62E-08	2.04E-08	-1.57E-08
3170	471363.1	3846877.25	8.38E-07	4.65E-07	-3.73E-07	1.84E-07	1.04E-07	-8.01E-08	8.51E-08	4.81E-08	-3.70E-08	1.84E-07	1.04E-07	-8.01E-08
3171	471863.1	3846877.25	1.78E-06	9.87E-07	-7.94E-07	3.91E-07	2.21E-07	-1.70E-07	1.81E-07	1.02E-07	-7.87E-08	3.91E-07	2.21E-07	-1.70E-07
3172	472363.1	3846877.25	2.26E-05	1.25E-05	-1.01E-05	4.97E-06	2.80E-06	-2.17E-06	2.30E-06	1.30E-06	-1.00E-06	4.97E-06	2.80E-06	-2.17E-06
3173	472863.1	3846877.25	2.71E-06	1.50E-06	-1.21E-06	5.95E-07	3.36E-07	-2.59E-07	2.75E-07	1.55E-07	-1.20E-07	5.95E-07	3.36E-07	-2.59E-07
3174	473363.1	3846877.25	1.67E-06	9.26E-07	-7.47E-07	3.67E-07	2.07E-07	-1.60E-07	1.70E-07	9.58E-08	-7.40E-08	3.67E-07	2.07E-07	-1.60E-07
3175	473863.1	3846877.25	1.35E-06	7.49E-07	-6.03E-07	2.97E-07	1.68E-07	-1.29E-07	1.37E-07	7.75E-08	-5.98E-08	2.97E-07	1.68E-07	-1.29E-07
3176	474363.1	3846877.25	1.08E-06	6.01E-07	-4.83E-07	2.38E-07	1.35E-07	-1.04E-07	1.10E-07	6.22E-08	-4.79E-08	2.38E-07	1.35E-07	-1.04E-07
3177	474863.1	3846877.25	9.19E-07	5.10E-07	-4.09E-07	2.02E-07	1.14E-07	-8.77E-08	9.33E-08	5.28E-08	-4.05E-08	2.02E-07	1.14E-07	-8.77E-08
3178	475363.1	3846877.25	8.01E-07	4.45E-07	-3.56E-07	1.76E-07	9.97E-08	-7.64E-08	8.14E-08	4.61E-08	-3.53E-08	1.76E-07	9.97E-08	-7.64E-08
3179	475863.1	3846877.25	7.54E-07	4.18E-07	-3.36E-07	1.66E-07	9.36E-08	-7.20E-08	7.65E-08	4.33E-08	-3.33E-08	1.66E-07	9.36E-08	-7.20E-08
3180	476363.1	3846877.25	6.90E-07	3.82E-07	-3.08E-07	1.52E-07	8.54E-08	-6.61E-08	7.01E-08	3.95E-08	-3.06E-08	1.52E-07	8.54E-08	-6.61E-08
3181	476863.1	3846877.25	6.24E-07	3.45E-07	-2.79E-07	1.37E-07	7.73E-08	-5.98E-08	6.34E-08	3.57E-08	-2.76E-08	1.37E-07	7.73E-08	-5.98E-08
3182	477363.1	3846877.25	5.72E-07	3.18E-07	-2.55E-07	1.26E-07	7.11E-08	-5.46E-08	5.81E-08	3.29E-08	-2.52E-08	1.26E-07	7.11E-08	-5.46E-08
3183	477863.1	3846877.25	5.20E-07	2.89E-07	-2.31E-07	1.14E-07	6.48E-08	-4.95E-08	5.28E-08	2.99E-08	-2.29E-08	1.14E-07	6.48E-08	-4.95E-08
3184	478363.1	3846877.25	4.83E-07	2.68E-07	-2.15E-07	1.06E-07	6.01E-08	-4.60E-08	4.90E-08	2.78E-08	-2.13E-08	1.06E-07	6.01E-08	-4.60E-08
3185	478863.1	3846877.25	4.59E-07	2.54E-07	-2.04E-07	1.01E-07	5.69E-08	-4.38E-08	4.66E-08	2.63E-08	-2.03E-08	1.01E-07	5.69E-08	-4.38E-08
3186	479363.1	3846877.25	4.30E-07	2.38E-07	-1.92E-07	9.45E-08	5.34E-08	-4.11E-08	4.37E-08	2.47E-08	-1.90E-08	9.45E-08	5.34E-08	-4.11E-08
3187	479863.1	3846877.25	3.82E-07	2.12E-07	-1.70E-07	8.40E-08	4.74E-08	-3.65E-08	3.88E-08	2.19E-08	-1.69E-08	8.40E-08	4.74E-08	-3.65E-08
3188	480363.1	3846877.25	3.49E-07	1.93E-07	-1.56E-07	7.67E-08	4.33E-08	-3.34E-08	3.54E-08	2.00E-08	-1.54E-08	7.67E-08	4.33E-08	-3.34E-08
3189	480863.1	3846877.25	3.28E-07	1.82E-07	-1.46E-07	7.21E-08	4.07E-08	-3.14E-08	3.33E-08	1.88E-08	-1.45E-08	7.21E-08	4.07E-08	-3.14E-08
3190	481363.1	3846877.25	3.24E-07	1.80E-07	-1.44E-07	7.11E-08	4.02E-08	-3.09E-08	3.29E-08	1.86E-08	-1.43E-08	7.11E-08	4.02E-08	-3.09E-08
3191	481863.1	3846877.25	3.11E-07	1.73E-07	-1.39E-07	6.84E-08	3.87E-08	-2.97E-08	3.16E-08	1.79E-08	-1.37E-08	6.84E-08	3.87E-08	-2.97E-08
3192	482363.1	3846877.25	2.87E-07	1.59E-07	-1.28E-07	6.30E-08	3.57E-08	-2.74E-08	2.91E-08	1.65E-08	-1.27E-08	6.30E-08	3.57E-08	-2.74E-08
3193	482863.1	3846877.25	2.77E-07	1.54E-07	-1.23E-07	6.09E-08	3.44E-08	-2.64E-08	2.81E-08	1.59E-08	-1.22E-08	6.09E-08	3.44E-08	-2.64E-08
3194	483363.1	3846877.25	2.69E-07	1.49E-07	-1.20E-07	5.91E-08	3.34E-08	-2.57E-08	2.73E-08	1.54E-08	-1.19E-08	5.91E-08	3.34E-08	-2.57E-08
3195	483863.1	3846877.25	2.61E-07	1.45E-07	-1.16E-07	5.73E-08	3.24E-08	-2.49E-08	2.65E-08	1.50E-08	-1.15E-08	5.73E-08	3.24E-08	-2.49E-08
3196	484363.1	3846877.25	2.57E-07	1.43E-07	-1.15E-07	5.65E-08	3.19E-08	-2.46E-08	2.61E-08	1.48E-08	-1.14E-08	5.65E-08	3.19E-08	-2.46E-08
3197	484863.1	3846877.25	2.49E-07	1.38E-07	-1.11E-07	5.47E-08	3.09E-08	-2.38E-08	2.53E-08	1.43E-08	-1.10E-08	5.47E-08	3.09E-08	-2.38E-08
3198	485363.1	3846877.25	2.46E-07	1.36E-07	-1.09E-07	5.40E-08	3.05E-08	-2.35E-08	2.49E-08	1.41E-08	-1.08E-08	5.40E-08	3.05E-08	-2.35E-08
3199	485863.1	3846877.25	2.37E-07	1.31E-07	-1.05E-07	5.20E-08	2.94E-08	-2.26E-08	2.40E-08	1.36E-08	-1.04E-08	5.20E-08	2.94E-08	-2.26E-08
3200	486363.1	3846877.25	2.37E-07	1.32E-07	-1.06E-07	5.22E-08	2.95E-08	-2.27E-08	2.41E-08	1.36E-08	-1.05E-08	5.22E-08	2.95E-08	-2.27E-08
3201	486863.1	3846877.25	2.19E-07	1.22E-07	-9.77E-08	4.82E-08	2.73E-08	-2.09E-08	2.23E-08	1.26E-08	-9.68E-09	4.82E-08	2.73E-08	-2.09E-08
3202	487363.1	3846877.25	2.19E-07	1.21E-07	-9.73E-08	4.80E-08	2.72E-08	-2.09E-08	2.22E-08	1.26E-08	-9.64E-09	4.80E-08	2.72E-08	-2.09E-08
3203	487863.1	3846877.25	2.15E-07	1.19E-07	-9.59E-08	4.72E-08	2.67E-08	-2.06E-08	2.18E-08	1.23E-08	-9.51E-09	4.72E-08	2.67E-08	-2.06E-08
3204	488363.1	3846877.25	2.09E-07	1.16E-07	-9.28E-08	4.59E-08	2.59E-08	-1.99E-08	2.12E-08	1.20E-08	-9.20E-09	4.59E-08	2.59E-08	-1.99E-08
3205	488863.1	3846877.25	2.06E-07	1.14E-07	-9.19E-08	4.53E-08	2.56E-08	-1.97E-08	2.09E-08	1.18E-08	-9.11E-09	4.53E-08	2.56E-08	-1.97E-08
3206	489363.1	3846877.25	2.03E-07	1.13E-07	-9.06E-08	4.47E-08	2.52E-08	-1.94E-08	2.06E-08	1.17E-08	-8.99E-09	4.47E-08	2.52E-08	-1.94E-08
3207	489863.1	3846877.25	1.96E-07	1.09E-07	-8.72E-08	4.31E-08	2.44E-08	-1.87E-08	1.99E-08	1.13E-08	-8.64E-09	4.31E-08	2.44E-08	-1.87E-08
3208	490363.1	3846877.25	1.83E-07	1.01E-07	-8.14E-08	4.01E-08	2.27E-08	-1.75E-08	1.85E-08	1.05E-08	-8.07E-09	4.01E-08	2.27E-08	-1.75E-08
3209	490863.1	3846877.25	1.76E-07	9.78E-08	-7.86E-08	3.87E-08	2.19E-08	-1.68E-08	1.79E-08	1.01E-08	-7.79E-09	3.87E-08	2.19E-08	-1.68E-08
3210	491363.1	3846877.25	1.75E-07	9.68E-08	-7.77E-08	3.83E-08	2.17E-08	-1.67E-08	1.77E-08	1.00E-08	-7.71E-09	3.83E-08	2.17E-08	-1.67E-08
3211	491863.1	3846877.25	1.68E-07	9.33E-08	-7.49E-08	3.70E-08	2.09E-08	-1.61E-08	1.71E-08	9.65E-09	-7.43E-09	3.70E-08	2.09E-08	-1.61E-08
3212	492363.1	3846877.25	1.76E-07	9.78E-08	-7.86E-08	3.87E-08	2.19E-08	-1.68E-08	1.79E-08	1.01E-08	-7.79E-09	3.87E-08	2.19E-08	-1.68E-08
3213	492863.1	3846877.25	1.75E-07	9.73E-08	-7.81E-08	3.85E-08	2.18E-08	-1.68E-08	1.78E-08	1.01E-08	-7.75E-09	3.85E-08	2.18E-08	-1.68E-08
3214	493363.1	3846877.25	1.75E-07	9.75E-08	-7.79E-08	3.85E-08	2.18E-08	-1.67E-08	1.78E-08	1.01E-08	-7.72E-09	3.85E-08	2.18E-08	-1.67E-08
3215	493863.1	3846877.25	1.75E-07	9.73E-08	-7.81E-08	3.85E-08	2.18E-08	-1.68E-08	1.78E-08	1.01E-08	-7.75E-09	3.85E-08	2.18E-08	-1.68E-08
3216	494363.1	3846877.25	1.75E-07	9.68E-08	-7.77E-08	3.83E-08	2.17E-08	-1.67E-08	1.77E-08	1.00E-08	-7.71E-09	3.83E-08	2.17E-08	-1.67E-08
3217	494863.1	3846877.25	1.74E-07	9.63E-08	-7.73E-08	3.81E-08	2.16E-08	-1.66E-08	1.76E-08	9.96E-09	-7.67E-09	3.81E-08	2.16E-08	-1.66E-08
3218	495363.1	3846877.25	1.73E-07	9.58E-08	-7.69E-08	3.79E-08	2.14E-08	-1.65E-08	1.75E-08	9.91E-09	-7.63E-09	3.79E-08	2.14E-08	-1.65E-08
3219	495863.1	3846877.25	1.72E-07	9.55E-08	-7.63E-08	3.77E-08	2.14E-08	-1.64E-08	1.74E-08	9.89E-09	-7.56E-09	3.77E-08	2.14E-08	-1.64E-08
3220	496363.1	3846877.25	1.72E-07	9.53E-08	-7.65E-08	3.77E-08	2.13E-08	-1.64E-08	1.74E-08	9.86E-09	-7.59E-09	3.77E-08	2.13E-08	-1.64E-08
3221	496863.1	3846877.25	1.73E-07	9.58E-08	-7.69E-08	3.79E-08	2.14E-08	-1.65E-08	1.75E-08	9.91E-09	-7.63E-09	3.79E-08	2.14E-08	-1.65E-08
3222	497363.1	3846877.25	1.74E-07	9.65E-08	-7.71E-08	3.81E-08	2.16E-08	-1.65E-08	1.76E-08	9.99E-09	-7.64E-09	3.81E-08	2.16E-08	-1.65E-08
3223	497863.1	3846877.25	1.75E-07	9.68E-08	-7.77E-08	3.83E-08	2.17E-08	-1.67E-08	1.77E-08	1.00E-08	-7.71E-09	3.83E-08	2.17E-08	-1.67E-08
3224	498363.1	3846877.25	1.72E-07	9.55E-08	-7.63E-08	3.77E-08	2.14E-08	-1.64E-08	1.74E-08	9.89E-09	-7.56E-09	3.77E-08	2.14E-08	-1.64E-08
3225	471363.1	3847377.25	5.42E-07	3.00E-07	-2.42E-07	1.19E-07	6.73E-08	-5.19E-08	5.51E-08	3.11E-08	-2.40E-08	1.19E-07	6.73E-08	-5.19E-08
3226	471863.1	3847377.25	7.40E-07	4.10E-07	-3.30E-07	1.63E-07	9.19E-08	-7.08E-08	7.52E-08	4.25E-08	-3.27E-08	1.63E-07	9.19E-08	-7.08E-08
3227	472363.1	3847377.25	1.28E-06	7.07E-07	-5.68E-07	2.80E-07	1.58E-07	-1.22E-07	1.30E-07	7.32E-08	-5.63E-08	2.80E-07	1.58E-07	-1.22E-07
3228	472863.1	3847377.25	5.72E-06	3.16E-06	-2.55E-06	1.26E-06	7.09E-07	-5.47E-07	5.80E-07	3.27E-07	-2.53E-07	1.26E-06	7.09E-07	-5.47E-07
3229	473363.1	3847377.25	5.26E-06	2.92E-06	-2.35E-06	1.16E-06	6.53E-07	-5.03E-07	5.34E-07	3.02E-07	-2.32E-07	1.16E-06	6.53E-07	-5.03E-07
3230	473863.1	3847377.25	2.47E-06	1.37E-06	-1.10E-06	5.44E-07	3.07E-07	-2.37E-07	2.51E-07	1.42E-07	-1.09E-07	5.44E-07	3.07E-07	-2.37E-07
3231	474363.1	3847377.25	1.81E-06	1.01E-06	-8.09E-07	3.99E-07	2.25E-07	-1.74E-07	1.84E-07	1.04E-07	-8.02E-08	3.99E-07	2.25E-07	-1.74E-07
3232	474863.1	3847377.25	1.34E-06	7.44E-07	-5.98E-07	2.95E-07	1.67E-07	-1.28E-07	1.36E-07	7.70E-08	-5.92E-08	2.95E-07	1.67E-07	-1.28E-07
3233	475363.1	3847377.25	1.07E-06	5.92E-07	-4.75E-07	2.34E-07	1.33E-07	-1.02E-07	1.08E-07	6.13E-08	-4.70E-08	2.34E-07	1.33E-07	-1.02E-07
3234	475863.1	3847377.25	9.80E-07	5.44E-07	-4.35E-07	2.15E-07	1.22E-07	-9.34E-08	9.95E-08	5.63E-08	-4.32E-08	2.15E-07	1.22E-07	-9.34E-08
3235	476363.1	3847377.25	8.96E-07	4.97E-07	-3.99E-07	1.97E-07	1.11E-07	-8.56E-08	9.10E-08	5.14E-08	-3.95E-08	1.97E-07	1.11E-07	-8.56E-08
3236	476863.1	3847377.25	7.84E-07	4.34E-07	-3.50E-07	1.72E-07	9.72E-08	-7.52E-08	7.96E-08	4.49E-08	-3.47E-08	1.72E-07	9.72E-08	-7.52E-08
3237	477363.1	3847377.25	7.10E-07	3.93E-07	-3.17E-07	1.56E-07	8.80E-08	-6.79E-08	7.21E-08	4.07E-08	-3.14E-08	1.56E-07	8.80E-08	-6.79E-08
3238	477863.1	3847377.25	6.40E-07	3.56E-07	-2.85E-07	1.41E-07	7.96E-08	-6.11E-08	6.50E-08	3.68E-08	-2.82E-08	1.41E-07	7.96E-08	-6.11E-08
3239	478363.1	3847377.25	5.86E-07	3.26E-07	-2.60E-07	1.29E-07	7.31E-08	-5.58E-08	5.96E-08	3.38E-08	-2.58E-08	1.29E-07	7.31E-08	-5.58E-08
3240	478863.1	3847377.25	5.51E-07	3.06E-07	-2.45E-07	1.21E-07	6.86E-08	-5.26E-08	5.60E-08	3.17E-08	-2.43E-08	1.21E-07	6.86E-08	-5.26E-08
3241	479363.1	3847377.25	4.89E-07	2.71E-07	-2.18E-07	1.08E-07	6.07E-08	-4.68E-08	4.97E-08	2.81E-08	-2.16E-08	1.08E-07	6.07E-08	-4.68E-08
3242	479863.1	3847377.25	4.19E-07	2.32E-07	-1.87E-07	9.21E-08	5.21E-08	-4.00E-08	4.26E-08	2.41E-08	-1.85E-08	9.21E-08	5.21E-08	-4.00E-08
3243	480363.1	3847377.25	3.54E-07	1.96E-07	-1.58E-07	7.79E-08	4.39E-08	-3.40E-08	3.60E-08	2.03E-08	-1.57E-08	7.79E-08	4.39E-08	-3.40E-08
3244	480863.1	3847377.25	3.28E-07	1.82E-07	-1.47E-07	7.21E-08	4.07E-08	-3.15E-08	3.33E-08	1.88E-08	-1.45E-08	7.21E-08	4.07E-08	-3.15E-08
3245	481363.1	3847377.25	3.33E-07	1.84E-07	-1.48E-07	7.31E-08	4.13E-08	-3.18E-08	3.38E-08	1.91E-08	-1.47E-08	7.31E-08	4.13E-08	-3.18E-08
3246	481863.1	3847377.25	3.52E-07	1.95E-07	-1.56E-07	7.73E-08	4.37E-08	-3.36E-08	3.57E-08	2.02E-08	-1.55E-08	7.73E-08	4.37E-08	-3.36E-08
3247	482363.1	3847377.25	3.38E-07	1.88E-07	-1.50E-07	7.43E-08	4.21E-08	-3.23E-08	3.43E-08	1.94E-08	-1.49E-08	7.43E-08	4.21E-08	-3.23E-08
3248	482863.1	3847377.25	3.20E-07	1.78E-07	-1.42E-07	7.04E-08	3.98E-08	-3.05E-08	3.25E-08	1.84E-08	-1.41E-08	7.04E-08	3.98E-08	-3.05E-08
3249	483363.1	3847377.25	3.04E-07	1.69E-07	-1.35E-07	6.68E-08	3.78E-08	-2.90E-08	3.09E-08	1.75E-08	-1.34E-08	6.68E-08	3.78E-08	-2.90E-08
3250	483863.1	3847377.25	2.96E-07	1.64E-07	-1.32E-07	6.50E-08	3.68E-08	-2.82E-08	3.01E-08	1.70E-08	-1.31E-08	6.50E-08	3.68E-08	-2.82E-08
3251	484363.1	3847377.25	2.95E-07	1.64E-07	-1.31E-07	6.48E-08	3.67E-08	-2.82E-08	3.00E-08	1.69E-08	-1.30E-08	6.48E-08	3.67E-08	-2.82E-08
3252	484863.1	3847377.25	2.84E-07	1.58E-07	-1.26E-07	6.25E-08	3.53E-08	-2.71E-08	2.89E-08	1.63E-08	-1.25E-08	6.25E-08	3.53E-08	-2.71E-08
3253	485363.1	3847377.25	2.77E-07	1.54E-07	-1.23E-07	6.09E-08	3.44E-08	-2.65E-08	2.81E-08	1.59E-08	-1.22E-08	6.09E-08	3.44E-08	-2.65E-08

3254	485863.1	3847377.25	2.73E-07	1.51E-07	-1.21E-07	5.99E-08	3.39E-08	-2.60E-08	2.77E-08	1.57E-08	-1.20E-08	5.99E-08	3.39E-08	-2.60E-08
3255	486363.1	3847377.25	2.69E-07	1.49E-07	-1.20E-07	5.91E-08	3.34E-08	-2.57E-08	2.73E-08	1.54E-08	-1.19E-08	5.91E-08	3.34E-08	-2.57E-08
3256	486863.1	3847377.25	2.51E-07	1.39E-07	-1.12E-07	5.51E-08	3.12E-08	-2.40E-08	2.55E-08	1.44E-08	-1.11E-08	5.51E-08	3.12E-08	-2.40E-08
3257	487363.1	3847377.25	2.48E-07	1.38E-07	-1.11E-07	5.45E-08	3.08E-08	-2.37E-08	2.52E-08	1.43E-08	-1.10E-08	5.45E-08	3.08E-08	-2.37E-08
3258	487863.1	3847377.25	2.37E-07	1.31E-07	-1.05E-07	5.20E-08	2.94E-08	-2.26E-08	2.40E-08	1.36E-08	-1.04E-08	5.20E-08	2.94E-08	-2.26E-08
3259	488363.1	3847377.25	2.30E-07	1.28E-07	-1.03E-07	5.06E-08	2.86E-08	-2.20E-08	2.34E-08	1.32E-08	-1.02E-08	5.06E-08	2.86E-08	-2.20E-08
3260	488863.1	3847377.25	2.26E-07	1.25E-07	-1.01E-07	4.96E-08	2.80E-08	-2.16E-08	2.29E-08	1.29E-08	-9.99E-09	4.96E-08	2.80E-08	-2.16E-08
3261	489363.1	3847377.25	2.21E-07	1.23E-07	-9.85E-08	4.86E-08	2.75E-08	-2.11E-08	2.25E-08	1.27E-08	-9.76E-09	4.86E-08	2.75E-08	-2.11E-08
3262	489863.1	3847377.25	2.11E-07	1.17E-07	-9.43E-08	4.64E-08	2.62E-08	-2.02E-08	2.15E-08	1.21E-08	-9.35E-09	4.64E-08	2.62E-08	-2.02E-08
3263	490363.1	3847377.25	2.01E-07	1.12E-07	-8.98E-08	4.43E-08	2.50E-08	-1.93E-08	2.05E-08	1.16E-08	-8.91E-09	4.43E-08	2.50E-08	-1.93E-08
3264	490863.1	3847377.25	1.97E-07	1.09E-07	-8.76E-08	4.33E-08	2.45E-08	-1.88E-08	2.00E-08	1.13E-08	-8.68E-09	4.33E-08	2.45E-08	-1.88E-08
3265	491363.1	3847377.25	1.92E-07	1.07E-07	-8.58E-08	4.23E-08	2.39E-08	-1.84E-08	1.95E-08	1.10E-08	-8.51E-09	4.23E-08	2.39E-08	-1.84E-08
3266	491863.1	3847377.25	1.94E-07	1.08E-07	-8.66E-08	4.27E-08	2.41E-08	-1.86E-08	1.97E-08	1.11E-08	-8.59E-09	4.27E-08	2.41E-08	-1.86E-08
3267	492363.1	3847377.25	1.89E-07	1.05E-07	-8.39E-08	4.15E-08	2.35E-08	-1.80E-08	1.92E-08	1.09E-08	-8.32E-09	4.15E-08	2.35E-08	-1.80E-08
3268	492863.1	3847377.25	1.89E-07	1.05E-07	-8.42E-08	4.15E-08	2.34E-08	-1.81E-08	1.92E-08	1.08E-08	-8.35E-09	4.15E-08	2.34E-08	-1.81E-08
3269	493363.1	3847377.25	1.87E-07	1.04E-07	-8.34E-08	4.11E-08	2.32E-08	-1.79E-08	1.90E-08	1.07E-08	-8.27E-09	4.11E-08	2.32E-08	-1.79E-08
3270	493863.1	3847377.25	1.83E-07	1.01E-07	-8.14E-08	4.01E-08	2.27E-08	-1.75E-08	1.85E-08	1.05E-08	-8.07E-09	4.01E-08	2.27E-08	-1.75E-08
3271	494363.1	3847377.25	1.79E-07	9.92E-08	-7.98E-08	3.93E-08	2.22E-08	-1.71E-08	1.82E-08	1.03E-08	-7.91E-09	3.93E-08	2.22E-08	-1.71E-08
3272	494863.1	3847377.25	1.76E-07	9.80E-08	-7.83E-08	3.87E-08	2.19E-08	-1.68E-08	1.79E-08	1.01E-08	-7.76E-09	3.87E-08	2.19E-08	-1.68E-08
3273	495363.1	3847377.25	1.75E-07	9.70E-08	-7.75E-08	3.83E-08	2.17E-08	-1.66E-08	1.77E-08	1.00E-08	-7.68E-09	3.83E-08	2.17E-08	-1.66E-08
3274	495863.1	3847377.25	1.74E-07	9.65E-08	-7.71E-08	3.81E-08	2.16E-08	-1.65E-08	1.76E-08	9.99E-09	-7.64E-09	3.81E-08	2.16E-08	-1.65E-08
3275	496363.1	3847377.25	1.73E-07	9.60E-08	-7.67E-08	3.79E-08	2.15E-08	-1.64E-08	1.75E-08	9.94E-09	-7.60E-09	3.79E-08	2.15E-08	-1.64E-08
3276	496863.1	3847377.25	1.75E-07	9.68E-08	-7.77E-08	3.83E-08	2.17E-08	-1.67E-08	1.77E-08	1.00E-08	-7.71E-09	3.83E-08	2.17E-08	-1.67E-08
3277	497363.1	3847377.25	1.76E-07	9.80E-08	-7.83E-08	3.87E-08	2.19E-08	-1.68E-08	1.79E-08	1.01E-08	-7.76E-09	3.87E-08	2.19E-08	-1.68E-08
3278	497863.1	3847377.25	1.80E-07	1.00E-07	-7.99E-08	3.95E-08	2.24E-08	-1.71E-08	1.83E-08	1.03E-08	-7.92E-09	3.95E-08	2.24E-08	-1.71E-08
3279	498363.1	3847377.25	1.79E-07	9.95E-08	-7.95E-08	3.93E-08	2.23E-08	-1.71E-08	1.82E-08	1.03E-08	-7.88E-09	3.93E-08	2.23E-08	-1.71E-08
3280	471363.1	3847877.25	4.28E-07	2.37E-07	-1.91E-07	9.41E-08	5.31E-08	-4.10E-08	4.35E-08	2.45E-08	-1.90E-08	9.41E-08	5.31E-08	-4.10E-08
3281	471863.1	3847877.25	5.18E-07	2.87E-07	-2.31E-07	1.14E-07	6.43E-08	-4.96E-08	5.26E-08	2.97E-08	-2.29E-08	1.14E-07	6.43E-08	-4.96E-08
3282	472363.1	3847877.25	6.79E-07	3.77E-07	-3.03E-07	1.49E-07	8.43E-08	-6.49E-08	6.90E-08	3.90E-08	-3.00E-08	1.49E-07	8.43E-08	-6.49E-08
3283	472863.1	3847877.25	1.01E-06	5.58E-07	-4.49E-07	2.21E-07	1.25E-07	-9.63E-08	1.02E-07	5.78E-08	-4.45E-08	2.21E-07	1.25E-07	-9.63E-08
3284	473363.1	3847877.25	2.00E-06	1.10E-06	-8.91E-07	4.38E-07	2.47E-07	-1.91E-07	2.03E-07	1.14E-07	-8.83E-08	4.38E-07	2.47E-07	-1.91E-07
3285	473863.1	3847877.25	3.53E-05	1.94E-05	-1.59E-05	7.75E-06	4.34E-06	-3.41E-06	3.58E-06	2.01E-06	-1.58E-06	7.75E-06	4.34E-06	-3.41E-06
3286	474363.1	3847877.25	3.79E-06	2.10E-06	-1.69E-06	8.33E-07	4.71E-07	-3.62E-07	3.85E-07	2.18E-07	-1.67E-07	8.33E-07	4.71E-07	-3.62E-07
3287	474863.1	3847877.25	2.30E-06	1.28E-06	-1.03E-06	5.06E-07	2.86E-07	-2.20E-07	2.34E-07	1.32E-07	-1.02E-07	5.06E-07	2.86E-07	-2.20E-07
3288	475363.1	3847877.25	1.54E-06	8.56E-07	-6.89E-07	3.39E-07	1.92E-07	-1.48E-07	1.57E-07	8.86E-08	-6.83E-08	3.39E-07	1.92E-07	-1.48E-07
3289	475863.1	3847877.25	1.19E-06	6.58E-07	-5.28E-07	2.61E-07	1.47E-07	-1.13E-07	1.20E-07	6.81E-08	-5.24E-08	2.61E-07	1.47E-07	-1.13E-07
3290	476363.1	3847877.25	1.13E-06	6.27E-07	-5.03E-07	2.48E-07	1.40E-07	-1.08E-07	1.15E-07	6.49E-08	-4.98E-08	2.48E-07	1.40E-07	-1.08E-07
3291	476863.1	3847877.25	9.89E-07	5.48E-07	-4.40E-07	2.17E-07	1.23E-07	-9.45E-08	1.00E-07	5.67E-08	-4.37E-08	2.17E-07	1.23E-07	-9.45E-08
3292	477363.1	3847877.25	8.76E-07	4.85E-07	-3.92E-07	1.92E-07	1.09E-07	-8.40E-08	8.90E-08	5.01E-08	-3.88E-08	1.92E-07	1.09E-07	-8.40E-08
3293	477863.1	3847877.25	7.92E-07	4.39E-07	-3.54E-07	1.74E-07	9.83E-08	-7.58E-08	8.05E-08	4.54E-08	-3.50E-08	1.74E-07	9.83E-08	-7.58E-08
3294	478363.1	3847877.25	7.17E-07	3.98E-07	-3.19E-07	1.58E-07	8.91E-08	-6.84E-08	7.28E-08	4.12E-08	-3.16E-08	1.58E-07	8.91E-08	-6.84E-08
3295	478863.1	3847877.25	6.60E-07	3.67E-07	-2.93E-07	1.45E-07	8.22E-08	-6.29E-08	6.70E-08	3.80E-08	-2.91E-08	1.45E-07	8.22E-08	-6.29E-08
3296	479363.1	3847877.25	5.53E-07	3.07E-07	-2.46E-07	1.22E-07	6.87E-08	-5.28E-08	5.62E-08	3.18E-08	-2.44E-08	1.22E-07	6.87E-08	-5.28E-08
3297	479863.1	3847877.25	4.30E-07	2.38E-07	-1.92E-07	9.45E-08	5.33E-08	-4.11E-08	4.37E-08	2.46E-08	-1.90E-08	9.45E-08	5.33E-08	-4.11E-08
3298	480363.1	3847877.25	4.23E-07	2.34E-07	-1.89E-07	9.29E-08	5.24E-08	-4.04E-08	4.29E-08	2.42E-08	-1.87E-08	9.29E-08	5.24E-08	-4.04E-08
3299	480863.1	3847877.25	3.89E-07	2.16E-07	-1.74E-07	8.56E-08	4.83E-08	-3.73E-08	3.96E-08	2.23E-08	-1.72E-08	8.56E-08	4.83E-08	-3.73E-08
3300	481363.1	3847877.25	3.79E-07	2.10E-07	-1.69E-07	8.32E-08	4.69E-08	-3.63E-08	3.85E-08	2.17E-08	-1.68E-08	8.32E-08	4.69E-08	-3.63E-08
3301	481863.1	3847877.25	4.12E-07	2.29E-07	-1.83E-07	9.05E-08	5.12E-08	-3.93E-08	4.18E-08	2.37E-08	-1.82E-08	9.05E-08	5.12E-08	-3.93E-08
3302	482363.1	3847877.25	3.89E-07	2.16E-07	-1.73E-07	8.56E-08	4.84E-08	-3.71E-08	3.96E-08	2.24E-08	-1.72E-08	8.56E-08	4.84E-08	-3.71E-08
3303	482863.1	3847877.25	3.64E-07	2.02E-07	-1.62E-07	8.00E-08	4.53E-08	-3.48E-08	3.70E-08	2.09E-08	-1.61E-08	8.00E-08	4.53E-08	-3.48E-08
3304	483363.1	3847877.25	3.46E-07	1.92E-07	-1.54E-07	7.61E-08	4.31E-08	-3.30E-08	3.52E-08	1.99E-08	-1.53E-08	7.61E-08	4.31E-08	-3.30E-08
3305	483863.1	3847877.25	3.36E-07	1.87E-07	-1.50E-07	7.39E-08	4.18E-08	-3.21E-08	3.42E-08	1.93E-08	-1.48E-08	7.39E-08	4.18E-08	-3.21E-08
3306	484363.1	3847877.25	3.33E-07	1.85E-07	-1.48E-07	7.31E-08	4.14E-08	-3.17E-08	3.38E-08	1.91E-08	-1.47E-08	7.31E-08	4.14E-08	-3.17E-08
3307	484863.1	3847877.25	3.22E-07	1.79E-07	-1.43E-07	7.08E-08	4.01E-08	-3.07E-08	3.27E-08	1.85E-08	-1.42E-08	7.08E-08	4.01E-08	-3.07E-08
3308	485363.1	3847877.25	3.17E-07	1.76E-07	-1.41E-07	6.96E-08	3.93E-08	-3.02E-08	3.22E-08	1.82E-08	-1.40E-08	6.96E-08	3.93E-08	-3.02E-08
3309	485863.1	3847877.25	3.10E-07	1.72E-07	-1.38E-07	6.82E-08	3.86E-08	-2.96E-08	3.15E-08	1.78E-08	-1.37E-08	6.82E-08	3.86E-08	-2.96E-08
3310	486363.1	3847877.25	2.95E-07	1.64E-07	-1.31E-07	6.48E-08	3.67E-08	-2.82E-08	3.00E-08	1.69E-08	-1.30E-08	6.48E-08	3.67E-08	-2.82E-08
3311	486863.1	3847877.25	2.82E-07	1.57E-07	-1.26E-07	6.21E-08	3.51E-08	-2.69E-08	2.87E-08	1.62E-08	-1.25E-08	6.21E-08	3.51E-08	-2.69E-08
3312	487363.1	3847877.25	2.73E-07	1.51E-07	-1.21E-07	5.99E-08	3.39E-08	-2.60E-08	2.77E-08	1.57E-08	-1.20E-08	5.99E-08	3.39E-08	-2.60E-08
3313	487863.1	3847877.25	2.60E-07	1.44E-07	-1.16E-07	5.71E-08	3.23E-08	-2.48E-08	2.64E-08	1.49E-08	-1.15E-08	5.71E-08	3.23E-08	-2.48E-08
3314	488363.1	3847877.25	2.52E-07	1.40E-07	-1.12E-07	5.53E-08	3.13E-08	-2.41E-08	2.56E-08	1.45E-08	-1.11E-08	5.53E-08	3.13E-08	-2.41E-08
3315	488863.1	3847877.25	2.46E-07	1.37E-07	-1.10E-07	5.42E-08	3.06E-08	-2.35E-08	2.50E-08	1.41E-08	-1.09E-08	5.42E-08	3.06E-08	-2.35E-08
3316	489363.1	3847877.25	2.41E-07	1.34E-07	-1.07E-07	5.30E-08	2.99E-08	-2.30E-08	2.45E-08	1.38E-08	-1.06E-08	5.30E-08	2.99E-08	-2.30E-08
3317	489863.1	3847877.25	2.39E-07	1.33E-07	-1.07E-07	5.26E-08	2.97E-08	-2.28E-08	2.43E-08	1.37E-08	-1.06E-08	5.26E-08	2.97E-08	-2.28E-08
3318	490363.1	3847877.25	2.32E-07	1.29E-07	-1.03E-07	5.10E-08	2.89E-08	-2.21E-08	2.36E-08	1.34E-08	-1.02E-08	5.10E-08	2.89E-08	-2.21E-08
3319	490863.1	3847877.25	2.24E-07	1.24E-07	-9.97E-08	4.92E-08	2.78E-08	-2.14E-08	2.27E-08	1.29E-08	-9.88E-09	4.92E-08	2.78E-08	-2.14E-08
3320	491363.1	3847877.25	2.12E-07	1.18E-07	-9.44E-08	4.66E-08	2.64E-08	-2.03E-08	2.16E-08	1.22E-08	-9.36E-09	4.66E-08	2.64E-08	-2.03E-08
3321	491863.1	3847877.25	2.08E-07	1.15E-07	-9.24E-08	4.57E-08	2.58E-08	-1.98E-08	2.11E-08	1.19E-08	-9.16E-09	4.57E-08	2.58E-08	-1.98E-08
3322	492363.1	3847877.25	2.04E-07	1.13E-07	-9.08E-08	4.49E-08	2.54E-08	-1.95E-08	2.07E-08	1.17E-08	-9.00E-09	4.49E-08	2.54E-08	-1.95E-08
3323	492863.1	3847877.25	2.01E-07	1.11E-07	-8.94E-08	4.41E-08	2.49E-08	-1.92E-08	2.04E-08	1.15E-08	-8.87E-09	4.41E-08	2.49E-08	-1.92E-08
3324	493363.1	3847877.25	1.92E-07	1.06E-07	-8.54E-08	4.21E-08	2.38E-08	-1.83E-08	1.95E-08	1.10E-08	-8.47E-09	4.21E-08	2.38E-08	-1.83E-08
3325	493863.1	3847877.25	1.85E-07	1.03E-07	-8.26E-08	4.07E-08	2.30E-08	-1.77E-08	1.88E-08	1.06E-08	-8.19E-09	4.07E-08	2.30E-08	-1.77E-08
3326	494363.1	3847877.25	1.81E-07	1.00E-07	-8.03E-08	3.97E-08	2.25E-08	-1.72E-08	1.84E-08	1.04E-08	-7.96E-09	3.97E-08	2.25E-08	-1.72E-08
3327	494863.1	3847877.25	1.79E-07	9.95E-08	-7.95E-08	3.93E-08	2.23E-08	-1.71E-08	1.82E-08	1.03E-08	-7.88E-09	3.93E-08	2.23E-08	-1.71E-08
3328	495363.1	3847877.25	1.75E-07	9.70E-08	-7.75E-08	3.83E-08	2.17E-08	-1.66E-08	1.77E-08	1.00E-08	-7.68E-09	3.83E-08	2.17E-08	-1.66E-08
3329	495863.1	3847877.25	1.64E-07	9.08E-08	-7.29E-08	3.60E-08	2.03E-08	-1.56E-08	1.66E-08	9.40E-09	-7.23E-09	3.60E-08	2.03E-08	-1.56E-08
3330	496363.1	3847877.25	1.73E-07	9.60E-08	-7.67E-08	3.79E-08	2.15E-08	-1.64E-08	1.75E-08	9.94E-09	-7.60E-09	3.79E-08	2.15E-08	-1.64E-08
3331	496863.1	3847877.25	1.75E-07	9.70E-08	-7.75E-08	3.83E-08	2.17E-08	-1.66E-08	1.77E-08	1.00E-08	-7.68E-09	3.83E-08	2.17E-08	-1.66E-08
3332	497363.1	3847877.25	1.77E-07	9.85E-08	-7.87E-08	3.89E-08	2.21E-08	-1.69E-08	1.80E-08	1.02E-08	-7.80E-09	3.89E-08	2.21E-08	-1.69E-08
3333	497863.1	3847877.25	1.85E-07	1.03E-07	-8.21E-08	4.07E-08	2.31E-08	-1.76E-08	1.88E-08	1.07E-08	-8.13E-09	4.07E-08	2.31E-08	-1.76E-08
3334	498363.1	3847877.25	1.86E-07	1.04E-07	-8.25E-08	4.09E-08	2.32E-08	-1.77E-08	1.89E-08	1.07E-08	-8.17E-09	4.09E-08	2.32E-08	-1.77E-08
3335	471363.1	3848377.25	3.64E-07	2.02E-07	-1.63E-07	8.00E-08	4.52E-08	-3.49E-08	3.70E-08	2.09E-08	-1.61E-08	8.00E-08	4.52E-08	-3.49E-08
3336	471863.1	3848377.25	4.22E-07	2.33E-07	-1.88E-07	9.27E-08	5.23E-08	-4.04E-08	4.28E-08	2.42E-08	-1.87E-08	9.27E-08	5.23E-08	-4.04E-08
3337	472363.1	3848377.25	5.03E-07	2.78E-07	-2.24E-07	1.10E-07	6.23E-08	-4.81E-08	5.11E-08	2.88E-08	-2.23E-08	1.10E-07	6.23E-08	-4.81E-08
3338	472863.1	3848377.25	6.27E-07	3.47E-07	-2.80E-07	1.38E-07	7.78E-08	-6.00E-08	6.37E-08	3.59E-08	-2.77E-08	1.38E-07	7.78E-08	-6.00E-08
3339	473363.1	3848377.25	8.46E-07	4.69E-07	-3.77E-07	1.86E-07	1.05E-07	-8.08E-08	8.59E-08	4.85E-08	-3.74E-08	1.86E-07	1.05E-07	-8.08E-08
3340	473863.1	3848377.25	1.37E-06	7.62E-07	-6.13E-07	3.02E-07	1.71E-07	-1.31E-07	1.40E-07	7.88E-08	-6.07E-08	3.02E-07	1.71E-07	-1.31E-07
3341	474363.1	3848377.25	6.10E-06	3.38E-06	-2.72E-06	1.34E-06	7.56E-07	-5.83E-07	6.19E-07	3.49E-07	-2.70E-07	1.34E-06	7.56E-07	-5.83E-07
3342	474863.1	3848377.25	4.91E-06	2.72E-06	-2.19E-06	1.08E-06	6.09E-07	-4.70E-07	4.99E-07	2.81E-07	-2.17E-07	1.08E-06	6.09E-07	-4.70E-07
3343	475363.1	3848377.25	2.75E-06	1.52E-06	-1.23E-06	6.05E-07	3.41E-07	-2.64E-07	2.79E-07	1.58E-07	-1.22E-07	6.05E-07	3.41E-07	-2.64E-07
3344	475863.1	3848377.25	1.77E-06	9.83E-07	-7.92E-07	3.90E-07	2.20E-07	-1.70E-07	1.80E-07	1.02E-07	-7.85E-08	3.90E-07	2.20E-07	-1.70E-07
3345	476363.1	3848377.25	1.33E-06	7.38E-07	-5.93E-07	2.93E-07	1.65E-07	-1.27E-07	1.35E-07	7.64E-08	-5.88E-08	2.93E-07	1.65E-07	-1.27E-07
3346	476863.1	3848377.25	1.29E-06	7.19E-07	-5.76E-07	2.84E-07	1.61E-07	-1.24E-07	1.31E-07	7.44E-08	-5.71E-08	2.84E-07	1.61E-07	-1.24E-07
3347	477363.1	3848377.25	1.14E-06	6.31E-07	-5.07E-07	2.50E-07	1.41E-07	-1.09E-07	1.16E-07	6.53E-08	-5.03E-08	2.50E-07	1.41E-07	-1.09E-07
3348	477863.1	3848377.25	1.03E-06	5.68E-07	-4.59E-07	2.26E-07	1.27E-07	-9.84E-08	1.04E-07	5.87E-08	-4.55E-08	2.26E-07	1.27E-07	-9.84E-08
3349	478363.1	3848377.25	9.23E-07	5.11E-07	-4.12E-07	2.03E-07	1.15E-07	-8.83E-08	9.37E-08	5.29E-08	-4.08E-08	2.03E-07	1.15E-07	-8.83E-08
3350	478863.1	3848377.25	8.16E-07	4.53E-07	-3.63E-07	1.79E-07	1.01E-07	-7.78E-08	8.28E-08	4.69E-08	-3.60E-08	1.79E-07	1.01E-07	-7.78E-08
3351	479363.1	3848377.25	6.78E-07	3.77E-07	-3.02E-07	1.49E-07	8.43E-08	-6.47E-08	6.89E-08	3.90E-08	-2.99E-08	1.49E-07	8.43E-08	-6.47E-08
3352	479863.1	3848377.25	4.25E-07	2.35E-07	-1.89E-07	9.33E-08	5.27E-08	-4.06E-08	4.31E-08	2.43E-08	-1.88E-08	9.33E-08	5.27E-08	-4.06E-08
3353	480363.1	3848377.25	4.76E-07	2.64E-07	-2.12E-07	1.05E-07	5.91E-08	-4.55E-08	4.83E-08	2.73E-08	-2.10E-08	1.05E-07	5.91E-08	-4.55E-08
3354	480863.1	3848377.25	5.20E-07	2.88E-07	-2.32E-07	1.14E-07	6.45E-08	-4.97E-08	5.28E-08	2.98E-08	-2.30E-08	1.14E-07	6.45E-08	-4.97E-08
3355	481363.1	3848377.25	4.97E-07	2.75E-07	-2.21E-07	1.09E-07	6.16E-08	-4.75E-08	5.04E-08	2.85E-08	-2.19E-08	1.09E-07	6.16E-08	-4.75E-08
3356	481863.1	3848377.25	4.79E-07	2.66E-07	-2.13E-07	1.05E-07	5.96E-08	-4.57E-08	4.87E-08	2.76E-08	-2.11E-08	1.05E-07	5.96E-08	-4.57E-08
3357	482363.1	3848377.25	4.59E-07	2.55E-07	-2.04E-07	1.01E-07	5.71E-08	-4.37E-08	4.66E-08	2.64E-08	-2.02E-08	1.01E-07	5.71E-08	-4.37E-08
3358	482863.1	3848377.25	4.22E-07	2.34E-07	-1.87E-07	9.27E-08	5.25E-08	-4.02E-08	4.28E-08	2.43E-08	-1.86E-08	9.27E-08	5.25E-08	-4.02E-08

3359	483363.1	3848377.25	4.01E-07	2.23E-07	-1.78E-07	8.81E-08	4.99E-08	-3.82E-08	4.07E-08	2.31E-08	-1.77E-08	8.81E-08	4.99E-08	-3.82E-08
3360	483863.1	3848377.25	3.76E-07	2.09E-07	-1.67E-07	8.26E-08	4.68E-08	-3.58E-08	3.82E-08	2.16E-08	-1.66E-08	8.26E-08	4.68E-08	-3.58E-08
3361	484363.1	3848377.25	3.66E-07	2.03E-07	-1.63E-07	8.04E-08	4.56E-08	-3.49E-08	3.72E-08	2.11E-08	-1.61E-08	8.04E-08	4.56E-08	-3.49E-08
3362	484863.1	3848377.25	3.66E-07	2.03E-07	-1.63E-07	8.04E-08	4.55E-08	-3.49E-08	3.72E-08	2.10E-08	-1.61E-08	8.04E-08	4.55E-08	-3.49E-08
3363	485363.1	3848377.25	3.54E-07	1.96E-07	-1.57E-07	7.77E-08	4.39E-08	-3.37E-08	3.59E-08	2.03E-08	-1.56E-08	7.77E-08	4.39E-08	-3.37E-08
3364	485863.1	3848377.25	3.44E-07	1.91E-07	-1.53E-07	7.55E-08	4.27E-08	-3.28E-08	3.49E-08	1.97E-08	-1.52E-08	7.55E-08	4.27E-08	-3.28E-08
3365	486363.1	3848377.25	3.28E-07	1.82E-07	-1.46E-07	7.21E-08	4.08E-08	-3.14E-08	3.33E-08	1.88E-08	-1.45E-08	7.21E-08	4.08E-08	-3.14E-08
3366	486863.1	3848377.25	3.12E-07	1.73E-07	-1.39E-07	6.86E-08	3.88E-08	-2.98E-08	3.17E-08	1.79E-08	-1.38E-08	6.86E-08	3.88E-08	-2.98E-08
3367	487363.1	3848377.25	2.93E-07	1.63E-07	-1.30E-07	6.44E-08	3.64E-08	-2.80E-08	2.98E-08	1.68E-08	-1.29E-08	6.44E-08	3.64E-08	-2.80E-08
3368	487863.1	3848377.25	2.84E-07	1.58E-07	-1.26E-07	6.25E-08	3.53E-08	-2.71E-08	2.89E-08	1.63E-08	-1.25E-08	6.25E-08	3.53E-08	-2.71E-08
3369	488363.1	3848377.25	2.75E-07	1.53E-07	-1.22E-07	6.05E-08	3.42E-08	-2.63E-08	2.79E-08	1.58E-08	-1.21E-08	6.05E-08	3.42E-08	-2.63E-08
3370	488863.1	3848377.25	2.67E-07	1.48E-07	-1.19E-07	5.87E-08	3.32E-08	-2.55E-08	2.71E-08	1.54E-08	-1.18E-08	5.87E-08	3.32E-08	-2.55E-08
3371	489363.1	3848377.25	2.62E-07	1.45E-07	-1.16E-07	5.75E-08	3.26E-08	-2.50E-08	2.66E-08	1.50E-08	-1.15E-08	5.75E-08	3.26E-08	-2.50E-08
3372	489863.1	3848377.25	2.60E-07	1.44E-07	-1.16E-07	5.71E-08	3.23E-08	-2.48E-08	2.64E-08	1.49E-08	-1.15E-08	5.71E-08	3.23E-08	-2.48E-08
3373	490363.1	3848377.25	2.52E-07	1.40E-07	-1.12E-07	5.53E-08	3.13E-08	-2.40E-08	2.56E-08	1.45E-08	-1.11E-08	5.53E-08	3.13E-08	-2.40E-08
3374	490863.1	3848377.25	2.40E-07	1.33E-07	-1.07E-07	5.28E-08	2.99E-08	-2.29E-08	2.44E-08	1.38E-08	-1.06E-08	5.28E-08	2.99E-08	-2.29E-08
3375	491363.1	3848377.25	2.30E-07	1.28E-07	-1.03E-07	5.06E-08	2.86E-08	-2.20E-08	2.34E-08	1.32E-08	-1.02E-08	5.06E-08	2.86E-08	-2.20E-08
3376	491863.1	3848377.25	2.23E-07	1.24E-07	-9.93E-08	4.90E-08	2.77E-08	-2.13E-08	2.27E-08	1.28E-08	-9.84E-09	4.90E-08	2.77E-08	-2.13E-08
3377	492363.1	3848377.25	2.11E-07	1.17E-07	-9.40E-08	4.64E-08	2.63E-08	-2.02E-08	2.15E-08	1.21E-08	-9.32E-09	4.64E-08	2.63E-08	-2.02E-08
3378	492863.1	3848377.25	2.00E-07	1.11E-07	-8.88E-08	4.39E-08	2.48E-08	-1.90E-08	2.03E-08	1.15E-08	-8.80E-09	4.39E-08	2.48E-08	-1.90E-08
3379	493363.1	3848377.25	1.93E-07	1.07E-07	-8.60E-08	4.25E-08	2.41E-08	-1.84E-08	1.96E-08	1.11E-08	-8.52E-09	4.25E-08	2.41E-08	-1.84E-08
3380	493863.1	3848377.25	1.86E-07	1.03E-07	-8.27E-08	4.09E-08	2.32E-08	-1.77E-08	1.89E-08	1.07E-08	-8.20E-09	4.09E-08	2.32E-08	-1.77E-08
3381	494363.1	3848377.25	1.81E-07	1.00E-07	-8.03E-08	3.97E-08	2.25E-08	-1.72E-08	1.84E-08	1.04E-08	-7.96E-09	3.97E-08	2.25E-08	-1.72E-08
3382	494863.1	3848377.25	1.79E-07	9.97E-08	-7.93E-08	3.93E-08	2.23E-08	-1.70E-08	1.82E-08	1.03E-08	-7.85E-09	3.93E-08	2.23E-08	-1.70E-08
3383	495363.1	3848377.25	1.71E-07	9.50E-08	-7.59E-08	3.76E-08	2.13E-08	-1.63E-08	1.74E-08	9.83E-09	-7.52E-09	3.76E-08	2.13E-08	-1.63E-08
3384	495863.1	3848377.25	1.67E-07	9.33E-08	-7.40E-08	3.68E-08	2.09E-08	-1.59E-08	1.70E-08	9.65E-09	-7.33E-09	3.68E-08	2.09E-08	-1.59E-08
3385	496363.1	3848377.25	1.71E-07	9.50E-08	-7.59E-08	3.76E-08	2.13E-08	-1.63E-08	1.74E-08	9.83E-09	-7.52E-09	3.76E-08	2.13E-08	-1.63E-08
3386	496863.1	3848377.25	1.66E-07	9.28E-08	-7.36E-08	3.66E-08	2.08E-08	-1.58E-08	1.69E-08	9.60E-09	-7.29E-09	3.66E-08	2.08E-08	-1.58E-08
3387	497363.1	3848377.25	1.73E-07	9.63E-08	-7.64E-08	3.79E-08	2.16E-08	-1.64E-08	1.75E-08	9.96E-09	-7.57E-09	3.79E-08	2.16E-08	-1.64E-08
3388	497863.1	3848377.25	1.92E-07	1.07E-07	-8.53E-08	4.23E-08	2.40E-08	-1.83E-08	1.95E-08	1.11E-08	-8.45E-09	4.23E-08	2.40E-08	-1.83E-08
3389	498363.1	3848377.25	1.92E-07	1.07E-07	-8.49E-08	4.21E-08	2.39E-08	-1.82E-08	1.95E-08	1.10E-08	-8.41E-09	4.21E-08	2.39E-08	-1.82E-08
3390	471363.1	3848877.25	3.19E-07	1.77E-07	-1.42E-07	7.02E-08	3.96E-08	-3.05E-08	3.24E-08	1.83E-08	-1.41E-08	7.02E-08	3.96E-08	-3.05E-08
3391	471863.1	3848877.25	3.55E-07	1.97E-07	-1.59E-07	7.81E-08	4.41E-08	-3.40E-08	3.61E-08	2.04E-08	-1.57E-08	7.81E-08	4.41E-08	-3.40E-08
3392	472363.1	3848877.25	4.03E-07	2.23E-07	-1.80E-07	8.85E-08	4.99E-08	-3.86E-08	4.09E-08	2.31E-08	-1.78E-08	8.85E-08	4.99E-08	-3.86E-08
3393	472863.1	3848877.25	4.74E-07	2.62E-07	-2.12E-07	1.04E-07	5.87E-08	-4.54E-08	4.81E-08	2.71E-08	-2.10E-08	1.04E-07	5.87E-08	-4.54E-08
3394	473363.1	3848877.25	5.79E-07	3.21E-07	-2.58E-07	1.27E-07	7.18E-08	-5.54E-08	5.88E-08	3.32E-08	-2.56E-08	1.27E-07	7.18E-08	-5.54E-08
3395	473863.1	3848877.25	7.67E-07	4.26E-07	-3.42E-07	1.69E-07	9.53E-08	-7.33E-08	7.79E-08	4.40E-08	-3.39E-08	1.69E-07	9.53E-08	-7.33E-08
3396	474363.1	3848877.25	1.19E-06	6.60E-07	-5.30E-07	2.62E-07	1.48E-07	-1.14E-07	1.21E-07	6.83E-08	-5.26E-08	2.62E-07	1.48E-07	-1.14E-07
3397	474863.1	3848877.25	3.84E-06	2.13E-06	-1.71E-06	8.45E-07	4.77E-07	-3.68E-07	3.90E-07	2.20E-07	-1.70E-07	8.45E-07	4.77E-07	-3.68E-07
3398	475363.1	3848877.25	8.28E-06	4.59E-06	-3.70E-06	1.82E-06	1.03E-06	-7.93E-07	8.41E-07	4.75E-07	-3.66E-07	1.82E-06	1.03E-06	-7.93E-07
3399	475863.1	3848877.25	4.04E-06	2.24E-06	-1.80E-06	8.89E-07	5.02E-07	-3.87E-07	4.11E-07	2.32E-07	-1.79E-07	8.89E-07	5.02E-07	-3.87E-07
3400	476363.1	3848877.25	2.83E-06	1.57E-06	-1.26E-06	6.23E-07	3.51E-07	-2.71E-07	2.88E-07	1.62E-07	-1.25E-07	6.23E-07	3.51E-07	-2.71E-07
3401	476863.1	3848877.25	2.15E-06	1.19E-06	-9.59E-07	4.73E-07	2.67E-07	-2.06E-07	2.18E-07	1.23E-07	-9.50E-08	4.73E-07	2.67E-07	-2.06E-07
3402	477363.1	3848877.25	1.95E-06	1.08E-06	-8.66E-07	4.27E-07	2.42E-07	-1.86E-07	1.98E-07	1.12E-07	-8.59E-08	4.27E-07	2.42E-07	-1.86E-07
3403	477863.1	3848877.25	1.59E-06	8.80E-07	-7.08E-07	3.49E-07	1.97E-07	-1.52E-07	1.61E-07	9.11E-08	-7.01E-08	3.49E-07	1.97E-07	-1.52E-07
3404	478363.1	3848877.25	1.34E-06	7.43E-07	-6.00E-07	2.95E-07	1.66E-07	-1.29E-07	1.36E-07	7.69E-08	-5.95E-08	2.95E-07	1.66E-07	-1.29E-07
3405	478863.1	3848877.25	1.12E-06	6.23E-07	-5.01E-07	2.47E-07	1.40E-07	-1.08E-07	1.14E-07	6.45E-08	-4.97E-08	2.47E-07	1.40E-07	-1.08E-07
3406	479363.1	3848877.25	9.24E-07	5.13E-07	-4.11E-07	2.03E-07	1.15E-07	-8.81E-08	9.38E-08	5.31E-08	-4.07E-08	2.03E-07	1.15E-07	-8.81E-08
3407	479863.1	3848877.25	7.67E-07	4.26E-07	-3.41E-07	1.69E-07	9.54E-08	-7.32E-08	7.79E-08	4.41E-08	-3.38E-08	1.69E-07	9.54E-08	-7.32E-08
3408	480363.1	3848877.25	7.17E-07	3.98E-07	-3.19E-07	1.58E-07	8.91E-08	-6.85E-08	7.28E-08	4.12E-08	-3.16E-08	1.58E-07	8.91E-08	-6.85E-08
3409	480863.1	3848877.25	6.76E-07	3.74E-07	-3.01E-07	1.48E-07	8.38E-08	-6.46E-08	6.86E-08	3.87E-08	-2.99E-08	1.48E-07	8.38E-08	-6.46E-08
3410	481363.1	3848877.25	6.19E-07	3.43E-07	-2.76E-07	1.36E-07	7.68E-08	-5.92E-08	6.28E-08	3.55E-08	-2.74E-08	1.36E-07	7.68E-08	-5.92E-08
3411	481863.1	3848877.25	5.53E-07	3.07E-07	-2.46E-07	1.22E-07	6.87E-08	-5.28E-08	5.62E-08	3.18E-08	-2.44E-08	1.22E-07	6.87E-08	-5.28E-08
3412	482363.1	3848877.25	4.90E-07	2.72E-07	-2.18E-07	1.08E-07	6.09E-08	-4.68E-08	4.98E-08	2.82E-08	-2.16E-08	1.08E-07	6.09E-08	-4.68E-08
3413	482863.1	3848877.25	4.42E-07	2.45E-07	-1.97E-07	9.70E-08	5.49E-08	-4.21E-08	4.48E-08	2.54E-08	-1.95E-08	9.70E-08	5.49E-08	-4.21E-08
3414	483363.1	3848877.25	4.05E-07	2.25E-07	-1.80E-07	8.89E-08	5.03E-08	-3.86E-08	4.11E-08	2.33E-08	-1.78E-08	8.89E-08	5.03E-08	-3.86E-08
3415	483863.1	3848877.25	3.88E-07	2.15E-07	-1.73E-07	8.52E-08	4.82E-08	-3.70E-08	3.94E-08	2.23E-08	-1.71E-08	8.52E-08	4.82E-08	-3.70E-08
3416	484363.1	3848877.25	4.01E-07	2.23E-07	-1.78E-07	8.81E-08	4.99E-08	-3.83E-08	4.07E-08	2.31E-08	-1.77E-08	8.81E-08	4.99E-08	-3.83E-08
3417	484863.1	3848877.25	4.09E-07	2.28E-07	-1.82E-07	8.99E-08	5.09E-08	-3.90E-08	4.16E-08	2.35E-08	-1.80E-08	8.99E-08	5.09E-08	-3.90E-08
3418	485363.1	3848877.25	3.93E-07	2.18E-07	-1.75E-07	8.64E-08	4.89E-08	-3.75E-08	3.99E-08	2.26E-08	-1.73E-08	8.64E-08	4.89E-08	-3.75E-08
3419	485863.1	3848877.25	3.78E-07	2.10E-07	-1.68E-07	8.30E-08	4.70E-08	-3.60E-08	3.84E-08	2.17E-08	-1.66E-08	8.30E-08	4.70E-08	-3.60E-08
3420	486363.1	3848877.25	3.56E-07	1.98E-07	-1.58E-07	7.83E-08	4.43E-08	-3.40E-08	3.62E-08	2.05E-08	-1.57E-08	7.83E-08	4.43E-08	-3.40E-08
3421	486863.1	3848877.25	3.34E-07	1.85E-07	-1.48E-07	7.33E-08	4.15E-08	-3.18E-08	3.39E-08	1.92E-08	-1.47E-08	7.33E-08	4.15E-08	-3.18E-08
3422	487363.1	3848877.25	3.25E-07	1.80E-07	-1.44E-07	7.13E-08	4.04E-08	-3.10E-08	3.30E-08	1.87E-08	-1.43E-08	7.13E-08	4.04E-08	-3.10E-08
3423	487863.1	3848877.25	3.11E-07	1.73E-07	-1.39E-07	6.84E-08	3.87E-08	-2.97E-08	3.16E-08	1.79E-08	-1.37E-08	6.84E-08	3.87E-08	-2.97E-08
3424	488363.1	3848877.25	3.00E-07	1.67E-07	-1.33E-07	6.60E-08	3.74E-08	-2.86E-08	3.05E-08	1.73E-08	-1.32E-08	6.60E-08	3.74E-08	-2.86E-08
3425	488863.1	3848877.25	2.90E-07	1.61E-07	-1.29E-07	6.36E-08	3.61E-08	-2.76E-08	2.94E-08	1.67E-08	-1.27E-08	6.36E-08	3.61E-08	-2.76E-08
3426	489363.1	3848877.25	2.83E-07	1.58E-07	-1.26E-07	6.23E-08	3.53E-08	-2.70E-08	2.88E-08	1.63E-08	-1.25E-08	6.23E-08	3.53E-08	-2.70E-08
3427	489863.1	3848877.25	2.78E-07	1.55E-07	-1.23E-07	6.11E-08	3.46E-08	-2.65E-08	2.82E-08	1.60E-08	-1.22E-08	6.11E-08	3.46E-08	-2.65E-08
3428	490363.1	3848877.25	2.64E-07	1.47E-07	-1.17E-07	5.81E-08	3.29E-08	-2.52E-08	2.69E-08	1.52E-08	-1.16E-08	5.81E-08	3.29E-08	-2.52E-08
3429	490863.1	3848877.25	2.52E-07	1.40E-07	-1.12E-07	5.53E-08	3.13E-08	-2.40E-08	2.56E-08	1.45E-08	-1.11E-08	5.53E-08	3.13E-08	-2.40E-08
3430	491363.1	3848877.25	2.42E-07	1.34E-07	-1.07E-07	5.32E-08	3.01E-08	-2.31E-08	2.46E-08	1.39E-08	-1.07E-08	5.32E-08	3.01E-08	-2.31E-08
3431	491863.1	3848877.25	2.28E-07	1.27E-07	-1.01E-07	5.00E-08	2.83E-08	-2.17E-08	2.31E-08	1.31E-08	-1.00E-08	5.00E-08	2.83E-08	-2.17E-08
3432	492363.1	3848877.25	2.14E-07	1.19E-07	-9.50E-08	4.70E-08	2.67E-08	-2.04E-08	2.17E-08	1.23E-08	-9.41E-09	4.70E-08	2.67E-08	-2.04E-08
3433	492863.1	3848877.25	2.00E-07	1.11E-07	-8.88E-08	4.39E-08	2.48E-08	-1.90E-08	2.03E-08	1.15E-08	-8.80E-09	4.39E-08	2.48E-08	-1.90E-08
3434	493363.1	3848877.25	1.86E-07	1.03E-07	-8.27E-08	4.09E-08	2.32E-08	-1.77E-08	1.89E-08	1.07E-08	-8.20E-09	4.09E-08	2.32E-08	-1.77E-08
3435	493863.1	3848877.25	1.84E-07	1.02E-07	-8.19E-08	4.05E-08	2.29E-08	-1.76E-08	1.87E-08	1.06E-08	-8.12E-09	4.05E-08	2.29E-08	-1.76E-08
3436	494363.1	3848877.25	1.80E-07	1.00E-07	-7.99E-08	3.95E-08	2.24E-08	-1.71E-08	1.83E-08	1.03E-08	-7.92E-09	3.95E-08	2.24E-08	-1.71E-08
3437	494863.1	3848877.25	1.80E-07	1.00E-07	-7.97E-08	3.95E-08	2.24E-08	-1.71E-08	1.83E-08	1.04E-08	-7.89E-09	3.95E-08	2.24E-08	-1.71E-08
3438	495363.1	3848877.25	1.78E-07	9.92E-08	-7.89E-08	3.91E-08	2.22E-08	-1.69E-08	1.81E-08	1.03E-08	-7.81E-09	3.91E-08	2.22E-08	-1.69E-08
3439	495863.1	3848877.25	1.69E-07	9.40E-08	-7.51E-08	3.72E-08	2.11E-08	-1.61E-08	1.72E-08	9.73E-09	-7.44E-09	3.72E-08	2.11E-08	-1.61E-08
3440	496363.1	3848877.25	1.67E-07	9.33E-08	-7.40E-08	3.68E-08	2.09E-08	-1.59E-08	1.70E-08	9.65E-09	-7.33E-09	3.68E-08	2.09E-08	-1.59E-08
3441	496863.1	3848877.25	1.74E-07	9.68E-08	-7.68E-08	3.81E-08	2.17E-08	-1.65E-08	1.76E-08	1.00E-08	-7.61E-09	3.81E-08	2.17E-08	-1.65E-08
3442	497363.1	3848877.25	1.90E-07	1.06E-07	-8.41E-08	4.17E-08	2.37E-08	-1.80E-08	1.93E-08	1.09E-08	-8.33E-09	4.17E-08	2.37E-08	-1.80E-08
3443	497863.1	3848877.25	1.94E-07	1.08E-07	-8.59E-08	4.27E-08	2.43E-08	-1.84E-08	1.97E-08	1.12E-08	-8.51E-09	4.27E-08	2.43E-08	-1.84E-08
3444	498363.1	3848877.25	1.97E-07	1.10E-07	-8.71E-08	4.33E-08	2.46E-08	-1.87E-08	2.00E-08	1.14E-08	-8.63E-09	4.33E-08	2.46E-08	-1.87E-08
3445	471363.1	3849377.25	2.80E-07	1.55E-07	-1.25E-07	6.15E-08	3.47E-08	-2.67E-08	2.84E-08	1.60E-08	-1.24E-08	6.15E-08	3.47E-08	-2.67E-08
3446	471863.1	3849377.25	3.09E-07	1.72E-07	-1.38E-07	6.80E-08	3.84E-08	-2.95E-08	3.14E-08	1.78E-08	-1.37E-08	6.80E-08	3.84E-08	-2.95E-08
3447	472363.1	3849377.25	3.44E-07	1.91E-07	-1.53E-07	7.55E-08	4.27E-08	-3.28E-08	3.49E-08	1.97E-08	-1.52E-08	7.55E-08	4.27E-08	-3.28E-08
3448	472863.1	3849377.25	3.88E-07	2.15E-07	-1.73E-07	8.52E-08	4.81E-08	-3.71E-08	3.94E-08	2.22E-08	-1.72E-08	8.52E-08	4.81E-08	-3.71E-08
3449	473363.1	3849377.25	4.53E-07	2.51E-07	-2.03E-07	9.96E-08	5.62E-08	-4.34E-08	4.60E-08	2.60E-08	-2.01E-08	9.96E-08	5.62E-08	-4.34E-08
3450	473863.1	3849377.25	5.50E-07	3.04E-07	-2.45E-07	1.21E-07	6.81E-08	-5.26E-08	5.58E-08	3.15E-08	-2.43E-08	1.21E-07	6.81E-08	-5.26E-08
3451	474363.1	3849377.25	6.97E-07	3.86E-07	-3.11E-07	1.53E-07	8.65E-08	-6.67E-08	7.08E-08	4.00E-08	-3.08E-08	1.53E-07	8.65E-08	-6.67E-08
3452	474863.1	3849377.25	9.63E-07	5.34E-07	-4.29E-07	2.12E-07	1.20E-07	-9.20E-08	9.78E-08	5.53E-08	-4.25E-08	2.12E-07	1.20E-07	-9.20E-08
3453	475363.1	3849377.25	1.57E-06	8.71E-07	-7.00E-07	3.45E-07	1.95E-07	-1.50E-07	1.60E-07	9.02E-08	-6.94E-08	3.45E-07	1.95E-07	-1.50E-07
3454	475863.1	3849377.25	2.72E-06	1.51E-06	-1.21E-06	5.97E-07	3.37E-07	-2.60E-07	2.76E-07	1.56E-07	-1.20E-07	5.97E-07	3.37E-07	-2.60E-07
3455	476363.1	3849377.25	5.94E-06	3.29E-06	-2.66E-06	1.31E-06	7.36E-07	-5.70E-07	6.03E-07	3.40E-07	-2.63E-07	1.31E-06	7.36E-07	-5.70E-07
3456	476863.1	3849377.25	1.64E-05	9.12E-06	-7.32E-06	3.61E-06	2.04E-06	-1.57E-06	1.67E-06	9.44E-07	-7.26E-07	3.61E-06	2.04E-06	-1.57E-06
3457	477363.1	3849377.25	4.73E-06	2.62E-06	-2.11E-06	1.04E-06	5.86E-07	-4.52E-07	4.80E-07	2.71E-07	-2.09E-07	1.04E-06	5.86E-07	-4.52E-07
3458	477863.1	3849377.25	2.84E-06	1.57E-06	-1.26E-06	6.23E-07	3.52E-07	-2.71E-07	2.88E-07	1.63E-07	-1.25E-07	6.23E-07	3.52E-07	-2.71E-07
3459	478363.1	3849377.25	2.09E-06	1.16E-06	-9.32E-07	4.59E-07	2.59E-07	-2.00E-07	2.12E-07	1.20E-07	-9.23E-08	4.59E-07	2.59E-07	-2.00E-07
3460	478863.1	3849377.25	1.58E-06	8.73E-07	-7.05E-07	3.47E-07	1.95E-07	-1.51E-07	1.60E-07	9.03E-08	-6.99E-08	3.47E-07	1.95E-07	-1.51E-07
3461	479363.1	3849377.25	1.29E-06	7.15E-07	-5.75E-07	2.83E-07	1.60E-07	-1.23E-07	1.31E-07	7.39E-08	-5.70E-08	2.83E-07	1.60E-07	-1.23E-07
3462	479863.1	3849377.25	1.01E-06	5.63E-07	-4.51E-07	2.23E-07	1.26E-07	-9.67E-08	1.03E-07	5.82E-08	-4.47E-08	2.23E-07	1.26E-07	-9.67E-08
3463	480363.1	3849377.25	9.61E-07	5.33E-07	-4.28E-07	2.11E-07	1.19E-07	-9.17E-08	9.76E-08	5.52E-08	-4.24E-08	2.11E-07	1.19E-07	-9.17E-08

3464	480863.1	3849377.25	8.45E-07	4.68E-07	-3.76E-07	1.86E-07	1.05E-07	-8.07E-08	8.58E-08	4.85E-08	-3.73E-08	1.86E-07	1.05E-07	-8.07E-08
3465	481363.1	3849377.25	7.23E-07	4.00E-07	-3.23E-07	1.59E-07	8.96E-08	-6.93E-08	7.34E-08	4.14E-08	-3.20E-08	1.59E-07	8.96E-08	-6.93E-08
3466	481863.1	3849377.25	5.93E-07	3.28E-07	-2.64E-07	1.30E-07	7.36E-08	-5.67E-08	6.02E-08	3.40E-08	-2.62E-08	1.30E-07	7.36E-08	-5.67E-08
3467	482363.1	3849377.25	5.29E-07	2.93E-07	-2.36E-07	1.16E-07	6.57E-08	-5.05E-08	5.37E-08	3.03E-08	-2.34E-08	1.16E-07	6.57E-08	-5.05E-08
3468	482863.1	3849377.25	4.66E-07	2.59E-07	-2.07E-07	1.02E-07	5.79E-08	-4.45E-08	4.73E-08	2.68E-08	-2.06E-08	1.02E-07	5.79E-08	-4.45E-08
3469	483363.1	3849377.25	4.28E-07	2.38E-07	-1.90E-07	9.41E-08	5.32E-08	-4.09E-08	4.35E-08	2.46E-08	-1.89E-08	9.41E-08	5.32E-08	-4.09E-08
3470	483863.1	3849377.25	3.84E-07	2.13E-07	-1.71E-07	8.44E-08	4.77E-08	-3.67E-08	3.90E-08	2.21E-08	-1.69E-08	8.44E-08	4.77E-08	-3.67E-08
3471	484363.1	3849377.25	4.37E-07	2.43E-07	-1.94E-07	9.61E-08	5.44E-08	-4.17E-08	4.44E-08	2.51E-08	-1.93E-08	9.61E-08	5.44E-08	-4.17E-08
3472	484863.1	3849377.25	4.52E-07	2.52E-07	-2.01E-07	9.94E-08	5.63E-08	-4.31E-08	4.59E-08	2.60E-08	-1.99E-08	9.94E-08	5.63E-08	-4.31E-08
3473	485363.1	3849377.25	4.34E-07	2.41E-07	-1.92E-07	9.53E-08	5.40E-08	-4.13E-08	4.40E-08	2.50E-08	-1.91E-08	9.53E-08	5.40E-08	-4.13E-08
3474	485863.1	3849377.25	3.84E-07	2.13E-07	-1.71E-07	8.44E-08	4.78E-08	-3.66E-08	3.90E-08	2.21E-08	-1.69E-08	8.44E-08	4.78E-08	-3.66E-08
3475	486363.1	3849377.25	3.44E-07	1.91E-07	-1.53E-07	7.55E-08	4.27E-08	-3.28E-08	3.49E-08	1.97E-08	-1.51E-08	7.55E-08	4.27E-08	-3.28E-08
3476	486863.1	3849377.25	3.58E-07	1.99E-07	-1.59E-07	7.87E-08	4.45E-08	-3.42E-08	3.64E-08	2.06E-08	-1.58E-08	7.87E-08	4.45E-08	-3.42E-08
3477	487363.1	3849377.25	3.51E-07	1.95E-07	-1.56E-07	7.71E-08	4.36E-08	-3.35E-08	3.56E-08	2.02E-08	-1.55E-08	7.71E-08	4.36E-08	-3.35E-08
3478	487863.1	3849377.25	3.36E-07	1.87E-07	-1.50E-07	7.39E-08	4.18E-08	-3.21E-08	3.42E-08	1.93E-08	-1.48E-08	7.39E-08	4.18E-08	-3.21E-08
3479	488363.1	3849377.25	3.23E-07	1.80E-07	-1.43E-07	7.10E-08	4.02E-08	-3.07E-08	3.28E-08	1.86E-08	-1.42E-08	7.10E-08	4.02E-08	-3.07E-08
3480	488863.1	3849377.25	3.13E-07	1.74E-07	-1.39E-07	6.88E-08	3.90E-08	-2.98E-08	3.18E-08	1.80E-08	-1.38E-08	6.88E-08	3.90E-08	-2.98E-08
3481	489363.1	3849377.25	3.04E-07	1.69E-07	-1.35E-07	6.68E-08	3.78E-08	-2.90E-08	3.09E-08	1.75E-08	-1.34E-08	6.68E-08	3.78E-08	-2.90E-08
3482	489863.1	3849377.25	2.92E-07	1.63E-07	-1.30E-07	6.42E-08	3.64E-08	-2.78E-08	2.97E-08	1.68E-08	-1.29E-08	6.42E-08	3.64E-08	-2.78E-08
3483	490363.1	3849377.25	2.76E-07	1.54E-07	-1.23E-07	6.07E-08	3.44E-08	-2.63E-08	2.80E-08	1.59E-08	-1.21E-08	6.07E-08	3.44E-08	-2.63E-08
3484	490863.1	3849377.25	2.64E-07	1.47E-07	-1.17E-07	5.79E-08	3.28E-08	-2.51E-08	2.68E-08	1.52E-08	-1.16E-08	5.79E-08	3.28E-08	-2.51E-08
3485	491363.1	3849377.25	2.53E-07	1.40E-07	-1.12E-07	5.55E-08	3.14E-08	-2.41E-08	2.57E-08	1.45E-08	-1.11E-08	5.55E-08	3.14E-08	-2.41E-08
3486	491863.1	3849377.25	2.37E-07	1.31E-07	-1.05E-07	5.20E-08	2.94E-08	-2.25E-08	2.40E-08	1.36E-08	-1.04E-08	5.20E-08	2.94E-08	-2.25E-08
3487	492363.1	3849377.25	2.22E-07	1.24E-07	-9.86E-08	4.88E-08	2.77E-08	-2.11E-08	2.26E-08	1.28E-08	-9.77E-09	4.88E-08	2.77E-08	-2.11E-08
3488	492863.1	3849377.25	2.03E-07	1.13E-07	-9.02E-08	4.47E-08	2.53E-08	-1.93E-08	2.06E-08	1.17E-08	-8.93E-09	4.47E-08	2.53E-08	-1.93E-08
3489	493363.1	3849377.25	1.94E-07	1.08E-07	-8.64E-08	4.27E-08	2.42E-08	-1.85E-08	1.97E-08	1.12E-08	-8.56E-09	4.27E-08	2.42E-08	-1.85E-08
3490	493863.1	3849377.25	1.88E-07	1.05E-07	-8.33E-08	4.13E-08	2.34E-08	-1.79E-08	1.91E-08	1.08E-08	-8.25E-09	4.13E-08	2.34E-08	-1.79E-08
3491	494363.1	3849377.25	1.87E-07	1.04E-07	-8.29E-08	4.11E-08	2.33E-08	-1.78E-08	1.90E-08	1.08E-08	-8.21E-09	4.11E-08	2.33E-08	-1.78E-08
3492	494863.1	3849377.25	1.95E-07	1.09E-07	-8.63E-08	4.29E-08	2.44E-08	-1.85E-08	1.98E-08	1.13E-08	-8.55E-09	4.29E-08	2.44E-08	-1.85E-08
3493	495363.1	3849377.25	1.95E-07	1.09E-07	-8.63E-08	4.29E-08	2.44E-08	-1.85E-08	1.98E-08	1.13E-08	-8.55E-09	4.29E-08	2.44E-08	-1.85E-08
3494	495863.1	3849377.25	1.72E-07	9.58E-08	-7.60E-08	3.77E-08	2.14E-08	-1.63E-08	1.74E-08	9.91E-09	-7.53E-09	3.77E-08	2.14E-08	-1.63E-08
3495	496363.1	3849377.25	1.66E-07	9.28E-08	-7.36E-08	3.66E-08	2.08E-08	-1.58E-08	1.69E-08	9.60E-09	-7.29E-09	3.66E-08	2.08E-08	-1.58E-08
3496	496863.1	3849377.25	1.87E-07	1.05E-07	-8.24E-08	4.11E-08	2.34E-08	-1.77E-08	1.90E-08	1.08E-08	-8.16E-09	4.11E-08	2.34E-08	-1.77E-08
3497	497363.1	3849377.25	1.91E-07	1.07E-07	-8.40E-08	4.19E-08	2.39E-08	-1.80E-08	1.94E-08	1.10E-08	-8.32E-09	4.19E-08	2.39E-08	-1.80E-08
3498	497863.1	3849377.25	2.10E-07	1.17E-07	-9.22E-08	4.60E-08	2.63E-08	-1.98E-08	2.13E-08	1.21E-08	-9.14E-09	4.60E-08	2.63E-08	-1.98E-08
3499	498363.1	3849377.25	2.02E-07	1.13E-07	-8.90E-08	4.45E-08	2.54E-08	-1.91E-08	2.06E-08	1.17E-08	-8.82E-09	4.45E-08	2.54E-08	-1.91E-08
3500	471363.1	3849877.25	2.36E-07	1.31E-07	-1.05E-07	5.18E-08	2.93E-08	-2.24E-08	2.39E-08	1.36E-08	-1.04E-08	5.18E-08	2.93E-08	-2.24E-08
3501	471863.1	3849877.25	2.76E-07	1.53E-07	-1.23E-07	6.07E-08	3.43E-08	-2.63E-08	2.80E-08	1.59E-08	-1.22E-08	6.07E-08	3.43E-08	-2.63E-08
3502	472363.1	3849877.25	3.07E-07	1.70E-07	-1.37E-07	6.74E-08	3.81E-08	-2.93E-08	3.11E-08	1.76E-08	-1.35E-08	6.74E-08	3.81E-08	-2.93E-08
3503	472863.1	3849877.25	3.36E-07	1.87E-07	-1.50E-07	7.39E-08	4.18E-08	-3.21E-08	3.42E-08	1.93E-08	-1.49E-08	7.39E-08	4.18E-08	-3.21E-08
3504	473363.1	3849877.25	3.76E-07	2.08E-07	-1.68E-07	8.26E-08	4.67E-08	-3.59E-08	3.82E-08	2.16E-08	-1.66E-08	8.26E-08	4.67E-08	-3.59E-08
3505	473863.1	3849877.25	4.27E-07	2.37E-07	-1.90E-07	9.39E-08	5.31E-08	-4.08E-08	4.34E-08	2.45E-08	-1.89E-08	9.39E-08	5.31E-08	-4.08E-08
3506	474363.1	3849877.25	4.97E-07	2.75E-07	-2.22E-07	1.09E-07	6.16E-08	-4.75E-08	5.04E-08	2.84E-08	-2.20E-08	1.09E-07	6.16E-08	-4.75E-08
3507	474863.1	3849877.25	5.82E-07	3.22E-07	-2.60E-07	1.28E-07	7.22E-08	-5.57E-08	5.91E-08	3.34E-08	-2.57E-08	1.28E-07	7.22E-08	-5.57E-08
3508	475363.1	3849877.25	6.97E-07	3.87E-07	-3.10E-07	1.53E-07	8.66E-08	-6.66E-08	7.08E-08	4.00E-08	-3.08E-08	1.53E-07	8.66E-08	-6.66E-08
3509	475863.1	3849877.25	8.51E-07	4.73E-07	-3.78E-07	1.87E-07	1.06E-07	-8.11E-08	8.64E-08	4.89E-08	-3.75E-08	1.87E-07	1.06E-07	-8.11E-08
3510	476363.1	3849877.25	1.09E-06	6.03E-07	-4.83E-07	2.39E-07	1.35E-07	-1.04E-07	1.10E-07	6.24E-08	-4.79E-08	2.39E-07	1.35E-07	-1.04E-07
3511	476863.1	3849877.25	1.61E-06	8.94E-07	-7.19E-07	3.55E-07	2.00E-07	-1.54E-07	1.64E-07	9.26E-08	-7.13E-08	3.55E-07	2.00E-07	-1.54E-07
3512	477363.1	3849877.25	3.81E-06	2.11E-06	-1.70E-06	8.37E-07	4.74E-07	-3.64E-07	3.87E-07	2.19E-07	-1.68E-07	8.37E-07	4.74E-07	-3.64E-07
3513	477863.1	3849877.25	1.84E-05	1.01E-05	-8.27E-06	4.03E-06	2.26E-06	-1.77E-06	1.86E-06	1.04E-06	-8.20E-07	4.03E-06	2.26E-06	-1.77E-06
3514	478363.1	3849877.25	5.01E-06	2.77E-06	-2.24E-06	1.10E-06	6.20E-07	-4.81E-07	5.09E-07	2.86E-07	-2.22E-07	1.10E-06	6.20E-07	-4.81E-07
3515	478863.1	3849877.25	3.01E-06	1.66E-06	-1.34E-06	6.61E-07	3.72E-07	-2.88E-07	3.05E-07	1.72E-07	-1.33E-07	6.61E-07	3.72E-07	-2.88E-07
3516	479363.1	3849877.25	2.07E-06	1.14E-06	-9.23E-07	4.54E-07	2.56E-07	-1.98E-07	2.10E-07	1.18E-07	-9.16E-08	4.54E-07	2.56E-07	-1.98E-07
3517	479863.1	3849877.25	1.64E-06	9.10E-07	-7.33E-07	3.61E-07	2.04E-07	-1.57E-07	1.67E-07	9.42E-08	-7.27E-08	3.61E-07	2.04E-07	-1.57E-07
3518	480363.1	3849877.25	1.26E-06	6.96E-07	-5.60E-07	2.76E-07	1.56E-07	-1.20E-07	1.28E-07	7.20E-08	-5.55E-08	2.76E-07	1.56E-07	-1.20E-07
3519	480863.1	3849877.25	1.02E-06	5.65E-07	-4.54E-07	2.24E-07	1.27E-07	-9.73E-08	1.03E-07	5.85E-08	-4.50E-08	2.24E-07	1.27E-07	-9.73E-08
3520	481363.1	3849877.25	8.73E-07	4.83E-07	-3.89E-07	1.92E-07	1.08E-07	-8.35E-08	8.86E-08	5.00E-08	-3.86E-08	1.92E-07	1.08E-07	-8.35E-08
3521	481863.1	3849877.25	6.76E-07	3.74E-07	-3.02E-07	1.48E-07	8.37E-08	-6.47E-08	6.86E-08	3.87E-08	-2.99E-08	1.48E-07	8.37E-08	-6.47E-08
3522	482363.1	3849877.25	5.78E-07	3.21E-07	-2.58E-07	1.27E-07	7.18E-08	-5.52E-08	5.87E-08	3.32E-08	-2.55E-08	1.27E-07	7.18E-08	-5.52E-08
3523	482863.1	3849877.25	5.13E-07	2.84E-07	-2.28E-07	1.13E-07	6.37E-08	-4.90E-08	5.21E-08	2.94E-08	-2.26E-08	1.13E-07	6.37E-08	-4.90E-08
3524	483363.1	3849877.25	4.55E-07	2.53E-07	-2.03E-07	1.00E-07	5.66E-08	-4.34E-08	4.62E-08	2.61E-08	-2.01E-08	1.00E-07	5.66E-08	-4.34E-08
3525	483863.1	3849877.25	4.33E-07	2.40E-07	-1.92E-07	9.51E-08	5.38E-08	-4.12E-08	4.39E-08	2.49E-08	-1.91E-08	9.51E-08	5.38E-08	-4.12E-08
3526	484363.1	3849877.25	4.74E-07	2.63E-07	-2.11E-07	1.04E-07	5.90E-08	-4.52E-08	4.81E-08	2.73E-08	-2.09E-08	1.04E-07	5.90E-08	-4.52E-08
3527	484863.1	3849877.25	5.05E-07	2.81E-07	-2.24E-07	1.11E-07	6.29E-08	-4.80E-08	5.12E-08	2.91E-08	-2.22E-08	1.11E-07	6.29E-08	-4.80E-08
3528	485363.1	3849877.25	4.70E-07	2.61E-07	-2.08E-07	1.03E-07	5.85E-08	-4.47E-08	4.77E-08	2.70E-08	-2.06E-08	1.03E-07	5.85E-08	-4.47E-08
3529	485863.1	3849877.25	4.26E-07	2.37E-07	-1.89E-07	9.37E-08	5.31E-08	-4.06E-08	4.33E-08	2.45E-08	-1.88E-08	9.37E-08	5.31E-08	-4.06E-08
3530	486363.1	3849877.25	3.99E-07	2.22E-07	-1.78E-07	8.78E-08	4.97E-08	-3.81E-08	4.06E-08	2.30E-08	-1.76E-08	8.78E-08	4.97E-08	-3.81E-08
3531	486863.1	3849877.25	3.98E-07	2.21E-07	-1.77E-07	8.76E-08	4.96E-08	-3.80E-08	4.05E-08	2.29E-08	-1.76E-08	8.76E-08	4.96E-08	-3.80E-08
3532	487363.1	3849877.25	3.82E-07	2.12E-07	-1.70E-07	8.40E-08	4.76E-08	-3.64E-08	3.88E-08	2.20E-08	-1.68E-08	8.40E-08	4.76E-08	-3.64E-08
3533	487863.1	3849877.25	3.64E-07	2.02E-07	-1.62E-07	8.00E-08	4.53E-08	-3.47E-08	3.70E-08	2.10E-08	-1.60E-08	8.00E-08	4.53E-08	-3.47E-08
3534	488363.1	3849877.25	3.49E-07	1.94E-07	-1.55E-07	7.67E-08	4.35E-08	-3.32E-08	3.54E-08	2.01E-08	-1.53E-08	7.67E-08	4.35E-08	-3.32E-08
3535	488863.1	3849877.25	3.36E-07	1.87E-07	-1.49E-07	7.39E-08	4.19E-08	-3.20E-08	3.42E-08	1.94E-08	-1.48E-08	7.39E-08	4.19E-08	-3.20E-08
3536	489363.1	3849877.25	3.22E-07	1.79E-07	-1.43E-07	7.08E-08	4.02E-08	-3.06E-08	3.27E-08	1.86E-08	-1.41E-08	7.08E-08	4.02E-08	-3.06E-08
3537	489863.1	3849877.25	3.06E-07	1.70E-07	-1.35E-07	6.72E-08	3.82E-08	-2.90E-08	3.11E-08	1.76E-08	-1.34E-08	6.72E-08	3.82E-08	-2.90E-08
3538	490363.1	3849877.25	2.90E-07	1.61E-07	-1.28E-07	6.36E-08	3.61E-08	-2.75E-08	2.94E-08	1.67E-08	-1.27E-08	6.36E-08	3.61E-08	-2.75E-08
3539	490863.1	3849877.25	2.76E-07	1.54E-07	-1.22E-07	6.07E-08	3.44E-08	-2.62E-08	2.80E-08	1.59E-08	-1.21E-08	6.07E-08	3.44E-08	-2.62E-08
3540	491363.1	3849877.25	2.64E-07	1.47E-07	-1.17E-07	5.81E-08	3.29E-08	-2.52E-08	2.69E-08	1.52E-08	-1.16E-08	5.81E-08	3.29E-08	-2.52E-08
3541	491863.1	3849877.25	2.47E-07	1.38E-07	-1.10E-07	5.44E-08	3.08E-08	-2.35E-08	2.51E-08	1.43E-08	-1.09E-08	5.44E-08	3.08E-08	-2.35E-08
3542	492363.1	3849877.25	2.33E-07	1.30E-07	-1.03E-07	5.12E-08	2.91E-08	-2.21E-08	2.37E-08	1.34E-08	-1.02E-08	5.12E-08	2.91E-08	-2.21E-08
3543	492863.1	3849877.25	2.17E-07	1.21E-07	-9.57E-08	4.76E-08	2.71E-08	-2.05E-08	2.20E-08	1.25E-08	-9.48E-09	4.76E-08	2.71E-08	-2.05E-08
3544	493363.1	3849877.25	2.01E-07	1.12E-07	-8.91E-08	4.43E-08	2.52E-08	-1.91E-08	2.05E-08	1.16E-08	-8.83E-09	4.43E-08	2.52E-08	-1.91E-08
3545	493863.1	3849877.25	1.92E-07	1.07E-07	-8.53E-08	4.23E-08	2.40E-08	-1.83E-08	1.95E-08	1.11E-08	-8.45E-09	4.23E-08	2.40E-08	-1.83E-08
3546	494363.1	3849877.25	2.05E-07	1.15E-07	-9.05E-08	4.51E-08	2.57E-08	-1.94E-08	2.08E-08	1.19E-08	-8.96E-09	4.51E-08	2.57E-08	-1.94E-08
3547	494863.1	3849877.25	2.11E-07	1.18E-07	-9.33E-08	4.64E-08	2.64E-08	-2.00E-08	2.15E-08	1.22E-08	-9.24E-09	4.64E-08	2.64E-08	-2.00E-08
3548	495363.1	3849877.25	1.94E-07	1.09E-07	-8.56E-08	4.27E-08	2.43E-08	-1.84E-08	1.97E-08	1.12E-08	-8.48E-09	4.27E-08	2.43E-08	-1.84E-08
3549	495863.1	3849877.25	2.03E-07	1.14E-07	-8.97E-08	4.47E-08	2.54E-08	-1.92E-08	2.06E-08	1.18E-08	-8.88E-09	4.47E-08	2.54E-08	-1.92E-08
3550	496363.1	3849877.25	2.03E-07	1.14E-07	-8.97E-08	4.47E-08	2.54E-08	-1.92E-08	2.06E-08	1.18E-08	-8.88E-09	4.47E-08	2.54E-08	-1.92E-08
3551	496863.1	3849877.25	2.02E-07	1.13E-07	-8.93E-08	4.45E-08	2.53E-08	-1.91E-08	2.06E-08	1.17E-08	-8.84E-09	4.45E-08	2.53E-08	-1.91E-08
3552	497363.1	3849877.25	2.13E-07	1.20E-07	-9.36E-08	4.68E-08	2.68E-08	-2.01E-08	2.16E-08	1.24E-08	-9.27E-09	4.68E-08	2.68E-08	-2.01E-08
3553	497863.1	3849877.25	2.14E-07	1.20E-07	-9.38E-08	4.70E-08	2.69E-08	-2.01E-08	2.17E-08	1.25E-08	-9.29E-09	4.70E-08	2.69E-08	-2.01E-08
3554	498363.1	3849877.25	2.08E-07	1.17E-07	-9.12E-08	4.57E-08	2.61E-08	-1.95E-08	2.11E-08	1.21E-08	-9.03E-09	4.57E-08	2.61E-08	-1.95E-08
3555	471363.1	3850377.25	1.73E-07	9.63E-08	-7.64E-08	3.79E-08	2.16E-08	-1.64E-08	1.75E-08	9.96E-09	-7.57E-09	3.79E-08	2.16E-08	-1.64E-08
3556	471863.1	3850377.25	2.21E-07	1.23E-07	-9.82E-08	4.86E-08	2.76E-08	-2.11E-08	2.25E-08	1.27E-08	-9.73E-09	4.86E-08	2.76E-08	-2.11E-08
3557	472363.1	3850377.25	2.52E-07	1.40E-07	-1.12E-07	5.53E-08	3.14E-08	-2.39E-08	2.56E-08	1.45E-08	-1.11E-08	5.53E-08	3.14E-08	-2.39E-08
3558	472863.1	3850377.25	2.92E-07	1.63E-07	-1.30E-07	6.42E-08	3.64E-08	-2.78E-08	2.97E-08	1.68E-08	-1.29E-08	6.42E-08	3.64E-08	-2.78E-08
3559	473363.1	3850377.25	3.20E-07	1.78E-07	-1.43E-07	7.04E-08	3.98E-08	-3.06E-08	3.25E-08	1.84E-08	-1.41E-08	7.04E-08	3.98E-08	-3.06E-08
3560	473863.1	3850377.25	3.54E-07	1.96E-07	-1.57E-07	7.77E-08	4.39E-08	-3.37E-08	3.59E-08	2.03E-08	-1.56E-08	7.77E-08	4.39E-08	-3.37E-08
3561	474363.1	3850377.25	3.91E-07	2.17E-07	-1.74E-07	8.60E-08	4.86E-08	-3.74E-08	3.97E-08	2.25E-08	-1.73E-08	8.60E-08	4.86E-08	-3.74E-08
3562	474863.1	3850377.25	4.35E-07	2.41E-07	-1.94E-07	9.57E-08	5.41E-08	-4.16E-08	4.42E-08	2.50E-08	-1.92E-08	9.57E-08	5.41E-08	-4.16E-08
3563	475363.1	3850377.25	4.88E-07	2.70E-07	-2.18E-07	1.07E-07	6.04E-08	-4.67E-08	4.95E-08	2.79E-08	-2.16E-08	1.07E-07	6.04E-08	-4.67E-08
3564	475863.1	3850377.25	5.61E-07	3.11E-07	-2.50E-07	1.23E-07	6.97E-08	-5.37E-08	5.70E-08	3.22E-08	-2.48E-08	1.23E-07	6.97E-08	-5.37E-08
3565	476363.1	3850377.25	6.51E-07	3.62E-07	-2.90E-07	1.43E-07	8.10E-08	-6.21E-08	6.61E-08	3.74E-08	-2.87E-08	1.43E-07	8.10E-08	-6.21E-08
3566	476863.1	3850377.25	7.84E-07	4.36E-07	-3.48E-07	1.72E-07	9.77E-08	-7.47E-08	7.96E-08	4.51E-08	-3.45E-08	1.72E-07	9.77E-08	-7.47E-08
3567	477363.1	3850377.25	1.01E-06	5.63E-07	-4.50E-07	2.23E-07	1.26E-07	-9.65E-08	1.03E-07	5.82E-08	-4.46E-08	2.23E-07	1.26E-07	-9.65E-08
3568	477863.1	3850377.25	1.52E-06	8.43E-07	-6.76E-07	3.34E-07	1.89E-07	-1.45E-07	1.54E-07	8.72E-08	-6.70E-08	3.34E-07	1.89E-07	-1.45E-07

3569	478363.1	3850377.25	3.57E-06	1.99E-06	-1.58E-06	7.84E-07	4.46E-07	-3.39E-07	3.62E-07	2.06E-07	-1.56E-07	7.84E-07	4.46E-07	-3.39E-07
3570	478863.1	3850377.25	2.10E-05	1.14E-05	-9.56E-06	4.61E-06	2.56E-06	-2.05E-06	2.13E-06	1.18E-06	-9.48E-07	4.61E-06	2.56E-06	-2.05E-06
3571	479363.1	3850377.25	5.28E-06	2.91E-06	-2.37E-06	1.16E-06	6.51E-07	-5.09E-07	5.36E-07	3.01E-07	-2.35E-07	1.16E-06	6.51E-07	-5.09E-07
3572	479863.1	3850377.25	2.92E-06	1.61E-06	-1.31E-06	6.42E-07	3.61E-07	-2.81E-07	2.96E-07	1.67E-07	-1.30E-07	6.42E-07	3.61E-07	-2.81E-07
3573	480363.1	3850377.25	2.01E-06	1.11E-06	-9.00E-07	4.42E-07	2.49E-07	-1.93E-07	2.04E-07	1.15E-07	-8.92E-08	4.42E-07	2.49E-07	-1.93E-07
3574	480863.1	3850377.25	1.60E-06	8.84E-07	-7.13E-07	3.51E-07	1.98E-07	-1.53E-07	1.62E-07	9.15E-08	-7.06E-08	3.51E-07	1.98E-07	-1.53E-07
3575	481363.1	3850377.25	1.10E-06	6.13E-07	-4.92E-07	2.43E-07	1.37E-07	-1.06E-07	1.12E-07	6.34E-08	-4.88E-08	2.43E-07	1.37E-07	-1.06E-07
3576	481863.1	3850377.25	9.47E-07	5.25E-07	-4.23E-07	2.08E-07	1.17E-07	-9.07E-08	9.62E-08	5.43E-08	-4.19E-08	2.08E-07	1.17E-07	-9.07E-08
3577	482363.1	3850377.25	8.15E-07	4.52E-07	-3.63E-07	1.79E-07	1.01E-07	-7.78E-08	8.28E-08	4.68E-08	-3.59E-08	1.79E-07	1.01E-07	-7.78E-08
3578	482863.1	3850377.25	6.49E-07	3.60E-07	-2.88E-07	1.42E-07	8.07E-08	-6.18E-08	6.59E-08	3.73E-08	-2.86E-08	1.42E-07	8.07E-08	-6.18E-08
3579	483363.1	3850377.25	5.54E-07	3.08E-07	-2.46E-07	1.22E-07	6.89E-08	-5.28E-08	5.63E-08	3.19E-08	-2.44E-08	1.22E-07	6.89E-08	-5.28E-08
3580	483863.1	3850377.25	5.40E-07	3.00E-07	-2.39E-07	1.19E-07	6.72E-08	-5.14E-08	5.48E-08	3.11E-08	-2.37E-08	1.19E-07	6.72E-08	-5.14E-08
3581	484363.1	3850377.25	5.46E-07	3.04E-07	-2.42E-07	1.20E-07	6.81E-08	-5.19E-08	5.54E-08	3.15E-08	-2.40E-08	1.20E-07	6.81E-08	-5.19E-08
3582	484863.1	3850377.25	5.51E-07	3.07E-07	-2.44E-07	1.21E-07	6.88E-08	-5.24E-08	5.60E-08	3.18E-08	-2.42E-08	1.21E-07	6.88E-08	-5.24E-08
3583	485363.1	3850377.25	5.21E-07	2.90E-07	-2.31E-07	1.14E-07	6.49E-08	-4.95E-08	5.29E-08	3.00E-08	-2.29E-08	1.14E-07	6.49E-08	-4.95E-08
3584	485863.1	3850377.25	4.79E-07	2.66E-07	-2.12E-07	1.05E-07	5.96E-08	-4.55E-08	4.86E-08	2.76E-08	-2.10E-08	1.05E-07	5.96E-08	-4.55E-08
3585	486363.1	3850377.25	4.55E-07	2.53E-07	-2.02E-07	1.00E-07	5.67E-08	-4.33E-08	4.62E-08	2.62E-08	-2.00E-08	1.00E-07	5.67E-08	-4.33E-08
3586	486863.1	3850377.25	4.34E-07	2.41E-07	-1.92E-07	9.53E-08	5.40E-08	-4.13E-08	4.40E-08	2.50E-08	-1.91E-08	9.53E-08	5.40E-08	-4.13E-08
3587	487363.1	3850377.25	4.07E-07	2.27E-07	-1.81E-07	8.95E-08	5.07E-08	-3.88E-08	4.14E-08	2.34E-08	-1.79E-08	8.95E-08	5.07E-08	-3.88E-08
3588	487863.1	3850377.25	3.89E-07	2.17E-07	-1.73E-07	8.56E-08	4.86E-08	-3.70E-08	3.96E-08	2.24E-08	-1.71E-08	8.56E-08	4.86E-08	-3.70E-08
3589	488363.1	3850377.25	3.72E-07	2.07E-07	-1.65E-07	8.16E-08	4.63E-08	-3.53E-08	3.77E-08	2.14E-08	-1.63E-08	8.16E-08	4.63E-08	-3.53E-08
3590	488863.1	3850377.25	3.56E-07	1.98E-07	-1.58E-07	7.83E-08	4.44E-08	-3.38E-08	3.62E-08	2.05E-08	-1.56E-08	7.83E-08	4.44E-08	-3.38E-08
3591	489363.1	3850377.25	3.40E-07	1.90E-07	-1.50E-07	7.47E-08	4.24E-08	-3.23E-08	3.45E-08	1.96E-08	-1.49E-08	7.47E-08	4.24E-08	-3.23E-08
3592	489863.1	3850377.25	3.21E-07	1.79E-07	-1.42E-07	7.06E-08	4.01E-08	-3.05E-08	3.26E-08	1.85E-08	-1.41E-08	7.06E-08	4.01E-08	-3.05E-08
3593	490363.1	3850377.25	3.04E-07	1.70E-07	-1.34E-07	6.68E-08	3.80E-08	-2.88E-08	3.09E-08	1.76E-08	-1.33E-08	6.68E-08	3.80E-08	-2.88E-08
3594	490863.1	3850377.25	2.91E-07	1.62E-07	-1.29E-07	6.38E-08	3.63E-08	-2.76E-08	2.95E-08	1.68E-08	-1.27E-08	6.38E-08	3.63E-08	-2.76E-08
3595	491363.1	3850377.25	2.76E-07	1.54E-07	-1.22E-07	6.07E-08	3.45E-08	-2.62E-08	2.80E-08	1.59E-08	-1.21E-08	6.07E-08	3.45E-08	-2.62E-08
3596	491863.1	3850377.25	2.57E-07	1.44E-07	-1.14E-07	5.65E-08	3.22E-08	-2.44E-08	2.61E-08	1.49E-08	-1.13E-08	5.65E-08	3.22E-08	-2.44E-08
3597	492363.1	3850377.25	2.39E-07	1.34E-07	-1.06E-07	5.26E-08	2.99E-08	-2.26E-08	2.43E-08	1.38E-08	-1.05E-08	5.26E-08	2.99E-08	-2.26E-08
3598	492863.1	3850377.25	2.28E-07	1.27E-07	-1.01E-07	5.00E-08	2.84E-08	-2.16E-08	2.31E-08	1.31E-08	-9.96E-09	5.00E-08	2.84E-08	-2.16E-08
3599	493363.1	3850377.25	2.13E-07	1.19E-07	-9.41E-08	4.68E-08	2.67E-08	-2.02E-08	2.16E-08	1.23E-08	-9.32E-09	4.68E-08	2.67E-08	-2.02E-08
3600	493863.1	3850377.25	2.16E-07	1.21E-07	-9.53E-08	4.74E-08	2.70E-08	-2.04E-08	2.19E-08	1.25E-08	-9.44E-09	4.74E-08	2.70E-08	-2.04E-08
3601	494363.1	3850377.25	2.15E-07	1.20E-07	-9.47E-08	4.72E-08	2.69E-08	-2.03E-08	2.18E-08	1.25E-08	-9.38E-09	4.72E-08	2.69E-08	-2.03E-08
3602	494863.1	3850377.25	2.20E-07	1.23E-07	-9.71E-08	4.84E-08	2.76E-08	-2.08E-08	2.24E-08	1.28E-08	-9.62E-09	4.84E-08	2.76E-08	-2.08E-08
3603	495363.1	3850377.25	2.26E-07	1.27E-07	-9.90E-08	4.96E-08	2.84E-08	-2.12E-08	2.29E-08	1.31E-08	-9.81E-09	4.96E-08	2.84E-08	-2.12E-08
3604	495863.1	3850377.25	2.16E-07	1.21E-07	-9.48E-08	4.74E-08	2.71E-08	-2.03E-08	2.19E-08	1.25E-08	-9.39E-09	4.74E-08	2.71E-08	-2.03E-08
3605	496363.1	3850377.25	2.21E-07	1.24E-07	-9.70E-08	4.86E-08	2.78E-08	-2.08E-08	2.25E-08	1.29E-08	-9.61E-09	4.86E-08	2.78E-08	-2.08E-08
3606	496863.1	3850377.25	2.26E-07	1.27E-07	-9.87E-08	4.96E-08	2.84E-08	-2.12E-08	2.29E-08	1.31E-08	-9.78E-09	4.96E-08	2.84E-08	-2.12E-08
3607	497363.1	3850377.25	2.25E-07	1.27E-07	-9.83E-08	4.94E-08	2.83E-08	-2.11E-08	2.28E-08	1.31E-08	-9.74E-09	4.94E-08	2.83E-08	-2.11E-08
3608	497863.1	3850377.25	2.19E-07	1.24E-07	-9.59E-08	4.82E-08	2.77E-08	-2.06E-08	2.23E-08	1.28E-08	-9.50E-09	4.82E-08	2.77E-08	-2.06E-08
3609	498363.1	3850377.25	2.15E-07	1.21E-07	-9.42E-08	4.72E-08	2.71E-08	-2.02E-08	2.18E-08	1.25E-08	-9.33E-09	4.72E-08	2.71E-08	-2.02E-08
3610	471363.1	3850877.25	1.79E-07	9.95E-08	-7.95E-08	3.93E-08	2.23E-08	-1.71E-08	1.82E-08	1.03E-08	-7.88E-09	3.93E-08	2.23E-08	-1.71E-08
3611	471863.1	3850877.25	1.99E-07	1.11E-07	-8.81E-08	4.37E-08	2.48E-08	-1.89E-08	2.02E-08	1.15E-08	-8.73E-09	4.37E-08	2.48E-08	-1.89E-08
3612	472363.1	3850877.25	2.27E-07	1.26E-07	-1.01E-07	4.98E-08	2.82E-08	-2.16E-08	2.30E-08	1.30E-08	-9.97E-09	4.98E-08	2.82E-08	-2.16E-08
3613	472863.1	3850877.25	2.55E-07	1.42E-07	-1.14E-07	5.61E-08	3.18E-08	-2.44E-08	2.59E-08	1.47E-08	-1.13E-08	5.61E-08	3.18E-08	-2.44E-08
3614	473363.1	3850877.25	2.62E-07	1.46E-07	-1.16E-07	5.75E-08	3.26E-08	-2.49E-08	2.66E-08	1.51E-08	-1.15E-08	5.75E-08	3.26E-08	-2.49E-08
3615	473863.1	3850877.25	2.98E-07	1.65E-07	-1.32E-07	6.54E-08	3.71E-08	-2.84E-08	3.02E-08	1.71E-08	-1.31E-08	6.54E-08	3.71E-08	-2.84E-08
3616	474363.1	3850877.25	3.28E-07	1.82E-07	-1.46E-07	7.21E-08	4.08E-08	-3.13E-08	3.33E-08	1.89E-08	-1.45E-08	7.21E-08	4.08E-08	-3.13E-08
3617	474863.1	3850877.25	3.59E-07	1.99E-07	-1.60E-07	7.89E-08	4.46E-08	-3.42E-08	3.64E-08	2.06E-08	-1.58E-08	7.89E-08	4.46E-08	-3.42E-08
3618	475363.1	3850877.25	3.92E-07	2.18E-07	-1.74E-07	8.62E-08	4.88E-08	-3.74E-08	3.98E-08	2.25E-08	-1.73E-08	8.62E-08	4.88E-08	-3.74E-08
3619	475863.1	3850877.25	4.34E-07	2.40E-07	-1.93E-07	9.53E-08	5.38E-08	-4.14E-08	4.40E-08	2.49E-08	-1.91E-08	9.53E-08	5.38E-08	-4.14E-08
3620	476363.1	3850877.25	4.87E-07	2.70E-07	-2.17E-07	1.07E-07	6.04E-08	-4.65E-08	4.94E-08	2.79E-08	-2.15E-08	1.07E-07	6.04E-08	-4.65E-08
3621	476863.1	3850877.25	5.45E-07	3.03E-07	-2.42E-07	1.20E-07	6.78E-08	-5.20E-08	5.54E-08	3.13E-08	-2.40E-08	1.20E-07	6.78E-08	-5.20E-08
3622	477363.1	3850877.25	6.29E-07	3.50E-07	-2.79E-07	1.38E-07	7.84E-08	-5.98E-08	6.38E-08	3.62E-08	-2.76E-08	1.38E-07	7.84E-08	-5.98E-08
3623	477863.1	3850877.25	7.58E-07	4.22E-07	-3.36E-07	1.67E-07	9.45E-08	-7.21E-08	7.70E-08	4.37E-08	-3.33E-08	1.67E-07	9.45E-08	-7.21E-08
3624	478363.1	3850877.25	9.94E-07	5.52E-07	-4.42E-07	2.18E-07	1.24E-07	-9.48E-08	1.01E-07	5.71E-08	-4.38E-08	2.18E-07	1.24E-07	-9.48E-08
3625	478863.1	3850877.25	1.46E-06	8.12E-07	-6.48E-07	3.21E-07	1.82E-07	-1.39E-07	1.48E-07	8.41E-08	-6.42E-08	3.21E-07	1.82E-07	-1.39E-07
3626	479363.1	3850877.25	3.21E-06	1.80E-06	-1.41E-06	7.05E-07	4.03E-07	-3.02E-07	3.26E-07	1.86E-07	-1.40E-07	7.05E-07	4.03E-07	-3.02E-07
3627	479863.1	3850877.25	2.52E-05	1.36E-05	-1.16E-05	5.53E-06	3.04E-06	-2.49E-06	2.56E-06	1.40E-06	-1.15E-06	5.53E-06	3.04E-06	-2.49E-06
3628	480363.1	3850877.25	5.41E-06	2.98E-06	-2.42E-06	1.19E-06	6.68E-07	-5.20E-07	5.49E-07	3.09E-07	-2.40E-07	1.19E-06	6.68E-07	-5.20E-07
3629	480863.1	3850877.25	2.96E-06	1.64E-06	-1.32E-06	6.51E-07	3.67E-07	-2.84E-07	3.01E-07	1.70E-07	-1.31E-07	6.51E-07	3.67E-07	-2.84E-07
3630	481363.1	3850877.25	2.01E-06	1.11E-06	-8.94E-07	4.41E-07	2.50E-07	-1.92E-07	2.04E-07	1.15E-07	-8.86E-08	4.41E-07	2.50E-07	-1.92E-07
3631	481863.1	3850877.25	1.45E-06	8.02E-07	-6.44E-07	3.18E-07	1.80E-07	-1.38E-07	1.47E-07	8.30E-08	-6.38E-08	3.18E-07	1.80E-07	-1.38E-07
3632	482363.1	3850877.25	1.06E-06	5.91E-07	-4.73E-07	2.34E-07	1.32E-07	-1.02E-07	1.08E-07	6.11E-08	-4.69E-08	2.34E-07	1.32E-07	-1.02E-07
3633	482863.1	3850877.25	8.59E-07	4.78E-07	-3.81E-07	1.89E-07	1.07E-07	-8.18E-08	8.72E-08	4.94E-08	-3.78E-08	1.89E-07	1.07E-07	-8.18E-08
3634	483363.1	3850877.25	7.04E-07	3.92E-07	-3.13E-07	1.55E-07	8.77E-08	-6.70E-08	7.15E-08	4.05E-08	-3.10E-08	1.55E-07	8.77E-08	-6.70E-08
3635	483863.1	3850877.25	6.40E-07	3.57E-07	-2.84E-07	1.41E-07	7.99E-08	-6.08E-08	6.50E-08	3.69E-08	-2.81E-08	1.41E-07	7.99E-08	-6.08E-08
3636	484363.1	3850877.25	6.30E-07	3.51E-07	-2.79E-07	1.38E-07	7.86E-08	-5.98E-08	6.39E-08	3.63E-08	-2.76E-08	1.38E-07	7.86E-08	-5.98E-08
3637	484863.1	3850877.25	5.88E-07	3.28E-07	-2.60E-07	1.29E-07	7.34E-08	-5.58E-08	5.97E-08	3.39E-08	-2.58E-08	1.29E-07	7.34E-08	-5.58E-08
3638	485363.1	3850877.25	5.60E-07	3.13E-07	-2.48E-07	1.23E-07	7.00E-08	-5.31E-08	5.69E-08	3.24E-08	-2.46E-08	1.23E-07	7.00E-08	-5.31E-08
3639	485863.1	3850877.25	5.06E-07	2.82E-07	-2.24E-07	1.11E-07	6.31E-08	-4.80E-08	5.13E-08	2.92E-08	-2.22E-08	1.11E-07	6.31E-08	-4.80E-08
3640	486363.1	3850877.25	4.88E-07	2.72E-07	-2.16E-07	1.07E-07	6.08E-08	-4.63E-08	4.95E-08	2.81E-08	-2.14E-08	1.07E-07	6.08E-08	-4.63E-08
3641	486863.1	3850877.25	4.61E-07	2.57E-07	-2.04E-07	1.01E-07	5.74E-08	-4.37E-08	4.68E-08	2.65E-08	-2.02E-08	1.01E-07	5.74E-08	-4.37E-08
3642	487363.1	3850877.25	4.30E-07	2.40E-07	-1.90E-07	9.45E-08	5.37E-08	-4.08E-08	4.37E-08	2.48E-08	-1.89E-08	9.45E-08	5.37E-08	-4.08E-08
3643	487863.1	3850877.25	4.08E-07	2.28E-07	-1.81E-07	8.97E-08	5.10E-08	-3.87E-08	4.15E-08	2.36E-08	-1.79E-08	8.97E-08	5.10E-08	-3.87E-08
3644	488363.1	3850877.25	3.89E-07	2.18E-07	-1.72E-07	8.56E-08	4.87E-08	-3.69E-08	3.96E-08	2.25E-08	-1.70E-08	8.56E-08	4.87E-08	-3.69E-08
3645	488863.1	3850877.25	3.71E-07	2.07E-07	-1.64E-07	8.14E-08	4.63E-08	-3.51E-08	3.76E-08	2.14E-08	-1.62E-08	8.14E-08	4.63E-08	-3.51E-08
3646	489363.1	3850877.25	3.54E-07	1.98E-07	-1.56E-07	7.79E-08	4.43E-08	-3.35E-08	3.60E-08	2.05E-08	-1.55E-08	7.79E-08	4.43E-08	-3.35E-08
3647	489863.1	3850877.25	3.36E-07	1.88E-07	-1.48E-07	7.37E-08	4.21E-08	-3.17E-08	3.41E-08	1.94E-08	-1.46E-08	7.37E-08	4.21E-08	-3.17E-08
3648	490363.1	3850877.25	3.21E-07	1.80E-07	-1.41E-07	7.06E-08	4.02E-08	-3.03E-08	3.26E-08	1.86E-08	-1.40E-08	7.06E-08	4.02E-08	-3.03E-08
3649	490863.1	3850877.25	3.06E-07	1.71E-07	-1.34E-07	6.72E-08	3.84E-08	-2.88E-08	3.11E-08	1.77E-08	-1.33E-08	6.72E-08	3.84E-08	-2.88E-08
3650	491363.1	3850877.25	2.89E-07	1.62E-07	-1.27E-07	6.34E-08	3.62E-08	-2.72E-08	2.93E-08	1.67E-08	-1.26E-08	6.34E-08	3.62E-08	-2.72E-08
3651	491863.1	3850877.25	2.71E-07	1.52E-07	-1.19E-07	5.95E-08	3.40E-08	-2.55E-08	2.75E-08	1.57E-08	-1.18E-08	5.95E-08	3.40E-08	-2.55E-08
3652	492363.1	3850877.25	2.55E-07	1.43E-07	-1.12E-07	5.59E-08	3.20E-08	-2.39E-08	2.58E-08	1.48E-08	-1.11E-08	5.59E-08	3.20E-08	-2.39E-08
3653	492863.1	3850877.25	2.43E-07	1.36E-07	-1.07E-07	5.34E-08	3.05E-08	-2.29E-08	2.47E-08	1.41E-08	-1.06E-08	5.34E-08	3.05E-08	-2.29E-08
3654	493363.1	3850877.25	2.35E-07	1.32E-07	-1.03E-07	5.16E-08	2.95E-08	-2.21E-08	2.38E-08	1.36E-08	-1.02E-08	5.16E-08	2.95E-08	-2.21E-08
3655	493863.1	3850877.25	2.37E-07	1.33E-07	-1.04E-07	5.20E-08	2.98E-08	-2.22E-08	2.40E-08	1.38E-08	-1.03E-08	5.20E-08	2.98E-08	-2.22E-08
3656	494363.1	3850877.25	2.33E-07	1.31E-07	-1.02E-07	5.12E-08	2.93E-08	-2.19E-08	2.37E-08	1.36E-08	-1.01E-08	5.12E-08	2.93E-08	-2.19E-08
3657	494863.1	3850877.25	2.36E-07	1.33E-07	-1.03E-07	5.18E-08	2.97E-08	-2.21E-08	2.39E-08	1.37E-08	-1.02E-08	5.18E-08	2.97E-08	-2.21E-08
3658	495363.1	3850877.25	2.40E-07	1.35E-07	-1.05E-07	5.28E-08	3.03E-08	-2.25E-08	2.44E-08	1.40E-08	-1.04E-08	5.28E-08	3.03E-08	-2.25E-08
3659	495863.1	3850877.25	2.36E-07	1.33E-07	-1.03E-07	5.18E-08	2.97E-08	-2.21E-08	2.39E-08	1.37E-08	-1.02E-08	5.18E-08	2.97E-08	-2.21E-08
3660	496363.1	3850877.25	2.35E-07	1.32E-07	-1.03E-07	5.16E-08	2.96E-08	-2.20E-08	2.38E-08	1.37E-08	-1.02E-08	5.16E-08	2.96E-08	-2.20E-08
3661	496863.1	3850877.25	2.37E-07	1.34E-07	-1.03E-07	5.22E-08	3.00E-08	-2.22E-08	2.41E-08	1.39E-08	-1.02E-08	5.22E-08	3.00E-08	-2.22E-08
3662	497363.1	3850877.25	2.32E-07	1.31E-07	-1.01E-07	5.10E-08	2.94E-08	-2.16E-08	2.36E-08	1.36E-08	-9.98E-09	5.10E-08	2.94E-08	-2.16E-08
3663	497863.1	3850877.25	2.26E-07	1.28E-07	-9.83E-08	4.96E-08	2.86E-08	-2.11E-08	2.29E-08	1.32E-08	-9.73E-09	4.96E-08	2.86E-08	-2.11E-08
3664	498363.1	3850877.25	2.19E-07	1.24E-07	-9.57E-08	4.82E-08	2.77E-08	-2.05E-08	2.23E-08	1.28E-08	-9.47E-09	4.82E-08	2.77E-08	-2.05E-08
3665	471363.1	3851377.25	1.74E-07	9.68E-08	-7.68E-08	3.81E-08	2.17E-08	-1.65E-08	1.76E-08	1.00E-08	-7.61E-09	3.81E-08	2.17E-08	-1.65E-08
3666	471863.1	3851377.25	2.01E-07	1.12E-07	-8.91E-08	4.43E-08	2.52E-08	-1.91E-08	2.05E-08	1.16E-08	-8.83E-09	4.43E-08	2.52E-08	-1.91E-08
3667	472363.1	3851377.25	2.09E-07	1.16E-07	-9.26E-08	4.59E-08	2.60E-08	-1.99E-08	2.12E-08	1.20E-08	-9.17E-09	4.59E-08	2.60E-08	-1.99E-08
3668	472863.1	3851377.25	2.18E-07	1.21E-07	-9.66E-08	4.78E-08	2.71E-08	-2.07E-08	2.21E-08	1.25E-08	-9.57E-09	4.78E-08	2.71E-08	-2.07E-08
3669	473363.1	3851377.25	2.10E-07	1.17E-07	-9.30E-08	4.60E-08	2.61E-08	-1.99E-08	2.13E-08	1.21E-08	-9.21E-09	4.60E-08	2.61E-08	-1.99E-08
3670	473863.1	3851377.25	2.24E-07	1.25E-07	-9.92E-08	4.92E-08	2.79E-08	-2.13E-08	2.27E-08	1.29E-08	-9.83E-09	4.92E-08	2.79E-08	-2.13E-08
3671	474363.1	3851377.25	2.67E-07	1.49E-07	-1.19E-07	5.87E-08	3.33E-08	-2.54E-08	2.71E-08	1.54E-08	-1.17E-08	5.87E-08	3.33E-08	-2.54E-08
3672	474863.1	3851377.25	3.05E-07	1.69E-07	-1.35E-07	6.70E-08	3.79E-08	-2.91E-08	3.10E-08	1.75E-08	-1.34E-08	6.70E-08	3.79E-08	-2.91E-08
3673	475363.1	3851377.25	3.35E-07	1.86E-07	-1.49E-07	7.35E-08	4.16E-08	-3.19E-08	3.40E-08	1.92E-08	-1.47E-08	7.35E-08	4.16E-08	-3.19E-08

3674	475863.1	3851377.25	3.63E-07	2.01E-07	-1.61E-07	7.96E-08	4.51E-08	-3.45E-08	3.68E-08	2.08E-08	-1.60E-08	7.96E-08	4.51E-08	-3.45E-08
3675	476363.1	3851377.25	3.97E-07	2.21E-07	-1.76E-07	8.72E-08	4.94E-08	-3.78E-08	4.03E-08	2.28E-08	-1.75E-08	8.72E-08	4.94E-08	-3.78E-08
3676	476863.1	3851377.25	4.36E-07	2.42E-07	-1.94E-07	9.59E-08	5.42E-08	-4.17E-08	4.43E-08	2.50E-08	-1.93E-08	9.59E-08	5.42E-08	-4.17E-08
3677	477363.1	3851377.25	4.79E-07	2.66E-07	-2.13E-07	1.05E-07	5.96E-08	-4.57E-08	4.87E-08	2.76E-08	-2.11E-08	1.05E-07	5.96E-08	-4.57E-08
3678	477863.1	3851377.25	5.41E-07	3.01E-07	-2.40E-07	1.19E-07	6.74E-08	-5.14E-08	5.49E-08	3.11E-08	-2.37E-08	1.19E-07	6.74E-08	-5.14E-08
3679	478363.1	3851377.25	6.25E-07	3.49E-07	-2.76E-07	1.37E-07	7.81E-08	-5.92E-08	6.35E-08	3.61E-08	-2.74E-08	1.37E-07	7.81E-08	-5.92E-08
3680	478863.1	3851377.25	7.58E-07	4.22E-07	-3.37E-07	1.67E-07	9.44E-08	-7.22E-08	7.70E-08	4.36E-08	-3.33E-08	1.67E-07	9.44E-08	-7.22E-08
3681	479363.1	3851377.25	9.80E-07	5.45E-07	-4.35E-07	2.15E-07	1.22E-07	-9.33E-08	9.95E-08	5.64E-08	-4.31E-08	2.15E-07	1.22E-07	-9.33E-08
3682	479863.1	3851377.25	1.43E-06	7.98E-07	-6.35E-07	3.15E-07	1.79E-07	-1.36E-07	1.46E-07	8.26E-08	-6.29E-08	3.15E-07	1.79E-07	-1.36E-07
3683	480363.1	3851377.25	3.12E-06	1.73E-06	-1.38E-06	6.85E-07	3.88E-07	-2.97E-07	3.16E-07	1.79E-07	-1.37E-07	6.85E-07	3.88E-07	-2.97E-07
3684	480863.1	3851377.25	2.75E-05	1.53E-05	-1.22E-05	6.04E-06	3.43E-06	-2.61E-06	2.79E-06	1.59E-06	-1.21E-06	6.04E-06	3.43E-06	-2.61E-06
3685	481363.1	3851377.25	5.03E-06	2.79E-06	-2.24E-06	1.10E-06	6.25E-07	-4.80E-07	5.11E-07	2.89E-07	-2.22E-07	1.10E-06	6.25E-07	-4.80E-07
3686	481863.1	3851377.25	2.43E-06	1.35E-06	-1.08E-06	5.33E-07	3.02E-07	-2.31E-07	2.47E-07	1.40E-07	-1.07E-07	5.33E-07	3.02E-07	-2.31E-07
3687	482363.1	3851377.25	1.59E-06	8.80E-07	-7.07E-07	3.49E-07	1.97E-07	-1.52E-07	1.61E-07	9.11E-08	-7.00E-08	3.49E-07	1.97E-07	-1.52E-07
3688	482863.1	3851377.25	1.09E-06	6.09E-07	-4.85E-07	2.40E-07	1.36E-07	-1.04E-07	1.11E-07	6.30E-08	-4.81E-08	2.40E-07	1.36E-07	-1.04E-07
3689	483363.1	3851377.25	8.37E-07	4.66E-07	-3.71E-07	1.84E-07	1.04E-07	-7.95E-08	8.49E-08	4.82E-08	-3.67E-08	1.84E-07	1.04E-07	-7.95E-08
3690	483863.1	3851377.25	7.14E-07	3.98E-07	-3.16E-07	1.57E-07	8.92E-08	-6.78E-08	7.25E-08	4.12E-08	-3.13E-08	1.57E-07	8.92E-08	-6.78E-08
3691	484363.1	3851377.25	7.09E-07	3.96E-07	-3.13E-07	1.56E-07	8.86E-08	-6.71E-08	7.20E-08	4.10E-08	-3.10E-08	1.56E-07	8.86E-08	-6.71E-08
3692	484863.1	3851377.25	5.91E-07	3.29E-07	-2.61E-07	1.30E-07	7.38E-08	-5.61E-08	6.00E-08	3.41E-08	-2.59E-08	1.30E-07	7.38E-08	-5.61E-08
3693	485363.1	3851377.25	6.02E-07	3.36E-07	-2.65E-07	1.32E-07	7.53E-08	-5.69E-08	6.11E-08	3.48E-08	-2.63E-08	1.32E-07	7.53E-08	-5.69E-08
3694	485863.1	3851377.25	5.35E-07	2.99E-07	-2.36E-07	1.18E-07	6.69E-08	-5.06E-08	5.43E-08	3.09E-08	-2.34E-08	1.18E-07	6.69E-08	-5.06E-08
3695	486363.1	3851377.25	5.18E-07	2.90E-07	-2.29E-07	1.14E-07	6.48E-08	-4.90E-08	5.26E-08	3.00E-08	-2.26E-08	1.14E-07	6.48E-08	-4.90E-08
3696	486863.1	3851377.25	4.82E-07	2.69E-07	-2.13E-07	1.06E-07	6.03E-08	-4.56E-08	4.90E-08	2.79E-08	-2.11E-08	1.06E-07	6.03E-08	-4.56E-08
3697	487363.1	3851377.25	4.34E-07	2.42E-07	-1.91E-07	9.53E-08	5.43E-08	-4.10E-08	4.40E-08	2.51E-08	-1.89E-08	9.53E-08	5.43E-08	-4.10E-08
3698	487863.1	3851377.25	4.23E-07	2.37E-07	-1.86E-07	9.29E-08	5.30E-08	-3.99E-08	4.29E-08	2.45E-08	-1.84E-08	9.29E-08	5.30E-08	-3.99E-08
3699	488363.1	3851377.25	4.05E-07	2.27E-07	-1.78E-07	8.89E-08	5.07E-08	-3.82E-08	4.11E-08	2.34E-08	-1.77E-08	8.89E-08	5.07E-08	-3.82E-08
3700	488863.1	3851377.25	3.84E-07	2.15E-07	-1.69E-07	8.44E-08	4.82E-08	-3.62E-08	3.90E-08	2.23E-08	-1.67E-08	8.44E-08	4.82E-08	-3.62E-08
3701	489363.1	3851377.25	3.66E-07	2.05E-07	-1.61E-07	8.04E-08	4.60E-08	-3.44E-08	3.72E-08	2.13E-08	-1.59E-08	8.04E-08	4.60E-08	-3.44E-08
3702	489863.1	3851377.25	3.47E-07	1.95E-07	-1.52E-07	7.63E-08	4.37E-08	-3.26E-08	3.53E-08	2.02E-08	-1.51E-08	7.63E-08	4.37E-08	-3.26E-08
3703	490363.1	3851377.25	3.31E-07	1.86E-07	-1.45E-07	7.27E-08	4.17E-08	-3.11E-08	3.36E-08	1.93E-08	-1.44E-08	7.27E-08	4.17E-08	-3.11E-08
3704	490863.1	3851377.25	3.15E-07	1.77E-07	-1.38E-07	6.92E-08	3.97E-08	-2.95E-08	3.20E-08	1.83E-08	-1.36E-08	6.92E-08	3.97E-08	-2.95E-08
3705	491363.1	3851377.25	2.97E-07	1.67E-07	-1.29E-07	6.52E-08	3.75E-08	-2.77E-08	3.01E-08	1.73E-08	-1.28E-08	6.52E-08	3.75E-08	-2.77E-08
3706	491863.1	3851377.25	2.82E-07	1.59E-07	-1.23E-07	6.19E-08	3.56E-08	-2.63E-08	2.86E-08	1.64E-08	-1.22E-08	6.19E-08	3.56E-08	-2.63E-08
3707	492363.1	3851377.25	2.70E-07	1.52E-07	-1.18E-07	5.93E-08	3.41E-08	-2.52E-08	2.74E-08	1.57E-08	-1.17E-08	5.93E-08	3.41E-08	-2.52E-08
3708	492863.1	3851377.25	2.56E-07	1.45E-07	-1.12E-07	5.63E-08	3.24E-08	-2.39E-08	2.60E-08	1.50E-08	-1.11E-08	5.63E-08	3.24E-08	-2.39E-08
3709	493363.1	3851377.25	2.36E-07	1.33E-07	-1.03E-07	5.18E-08	2.97E-08	-2.21E-08	2.39E-08	1.37E-08	-1.02E-08	5.18E-08	2.97E-08	-2.21E-08
3710	493863.1	3851377.25	2.37E-07	1.34E-07	-1.03E-07	5.22E-08	3.00E-08	-2.22E-08	2.41E-08	1.39E-08	-1.02E-08	5.22E-08	3.00E-08	-2.22E-08
3711	494363.1	3851377.25	2.49E-07	1.41E-07	-1.08E-07	5.47E-08	3.15E-08	-2.32E-08	2.53E-08	1.46E-08	-1.07E-08	5.47E-08	3.15E-08	-2.32E-08
3712	494863.1	3851377.25	2.46E-07	1.39E-07	-1.07E-07	5.40E-08	3.11E-08	-2.28E-08	2.49E-08	1.44E-08	-1.06E-08	5.40E-08	3.11E-08	-2.28E-08
3713	495363.1	3851377.25	2.55E-07	1.44E-07	-1.10E-07	5.59E-08	3.23E-08	-2.36E-08	2.58E-08	1.49E-08	-1.09E-08	5.59E-08	3.23E-08	-2.36E-08
3714	495863.1	3851377.25	2.53E-07	1.43E-07	-1.09E-07	5.55E-08	3.21E-08	-2.34E-08	2.57E-08	1.48E-08	-1.08E-08	5.55E-08	3.21E-08	-2.34E-08
3715	496363.1	3851377.25	2.49E-07	1.41E-07	-1.08E-07	5.47E-08	3.17E-08	-2.31E-08	2.53E-08	1.46E-08	-1.07E-08	5.47E-08	3.17E-08	-2.31E-08
3716	496863.1	3851377.25	2.45E-07	1.39E-07	-1.06E-07	5.38E-08	3.11E-08	-2.27E-08	2.48E-08	1.44E-08	-1.05E-08	5.38E-08	3.11E-08	-2.27E-08
3717	497363.1	3851377.25	2.39E-07	1.36E-07	-1.04E-07	5.26E-08	3.04E-08	-2.22E-08	2.43E-08	1.40E-08	-1.03E-08	5.26E-08	3.04E-08	-2.22E-08
3718	497863.1	3851377.25	2.33E-07	1.32E-07	-1.01E-07	5.12E-08	2.96E-08	-2.16E-08	2.37E-08	1.37E-08	-9.97E-09	5.12E-08	2.96E-08	-2.16E-08
3719	498363.1	3851377.25	2.23E-07	1.26E-07	-9.68E-08	4.90E-08	2.83E-08	-2.07E-08	2.27E-08	1.31E-08	-9.58E-09	4.90E-08	2.83E-08	-2.07E-08
3720	471363.1	3851877.25	1.70E-07	9.45E-08	-7.55E-08	3.74E-08	2.12E-08	-1.62E-08	1.73E-08	9.78E-09	-7.48E-09	3.74E-08	2.12E-08	-1.62E-08
3721	471863.1	3851877.25	1.71E-07	9.53E-08	-7.56E-08	3.76E-08	2.13E-08	-1.62E-08	1.74E-08	9.86E-09	-7.49E-09	3.76E-08	2.13E-08	-1.62E-08
3722	472363.1	3851877.25	1.86E-07	1.04E-07	-8.22E-08	4.09E-08	2.33E-08	-1.76E-08	1.89E-08	1.08E-08	-8.15E-09	4.09E-08	2.33E-08	-1.76E-08
3723	472863.1	3851877.25	2.01E-07	1.12E-07	-8.87E-08	4.41E-08	2.51E-08	-1.90E-08	2.04E-08	1.16E-08	-8.79E-09	4.41E-08	2.51E-08	-1.90E-08
3724	473363.1	3851877.25	1.95E-07	1.09E-07	-8.63E-08	4.29E-08	2.44E-08	-1.85E-08	1.98E-08	1.13E-08	-8.55E-09	4.29E-08	2.44E-08	-1.85E-08
3725	473863.1	3851877.25	2.00E-07	1.12E-07	-8.80E-08	4.39E-08	2.50E-08	-1.89E-08	2.03E-08	1.16E-08	-8.72E-09	4.39E-08	2.50E-08	-1.89E-08
3726	474363.1	3851877.25	2.27E-07	1.27E-07	-1.00E-07	4.98E-08	2.83E-08	-2.15E-08	2.30E-08	1.31E-08	-9.92E-09	4.98E-08	2.83E-08	-2.15E-08
3727	474863.1	3851877.25	2.58E-07	1.44E-07	-1.14E-07	5.67E-08	3.22E-08	-2.45E-08	2.62E-08	1.49E-08	-1.13E-08	5.67E-08	3.22E-08	-2.45E-08
3728	475363.1	3851877.25	2.82E-07	1.57E-07	-1.25E-07	6.21E-08	3.52E-08	-2.68E-08	2.87E-08	1.63E-08	-1.24E-08	6.21E-08	3.52E-08	-2.68E-08
3729	475863.1	3851877.25	3.08E-07	1.71E-07	-1.37E-07	6.76E-08	3.83E-08	-2.93E-08	3.12E-08	1.77E-08	-1.35E-08	6.76E-08	3.83E-08	-2.93E-08
3730	476363.1	3851877.25	3.21E-07	1.79E-07	-1.42E-07	7.06E-08	4.00E-08	-3.06E-08	3.26E-08	1.85E-08	-1.41E-08	7.06E-08	4.00E-08	-3.06E-08
3731	476863.1	3851877.25	3.54E-07	1.97E-07	-1.57E-07	7.79E-08	4.42E-08	-3.37E-08	3.60E-08	2.04E-08	-1.56E-08	7.79E-08	4.42E-08	-3.37E-08
3732	477363.1	3851877.25	3.89E-07	2.16E-07	-1.72E-07	8.54E-08	4.84E-08	-3.69E-08	3.95E-08	2.24E-08	-1.71E-08	8.54E-08	4.84E-08	-3.69E-08
3733	477863.1	3851877.25	4.26E-07	2.37E-07	-1.89E-07	9.37E-08	5.31E-08	-4.06E-08	4.33E-08	2.45E-08	-1.87E-08	9.37E-08	5.31E-08	-4.06E-08
3734	478363.1	3851877.25	4.64E-07	2.59E-07	-2.06E-07	1.02E-07	5.79E-08	-4.41E-08	4.71E-08	2.68E-08	-2.04E-08	1.02E-07	5.79E-08	-4.41E-08
3735	478863.1	3851877.25	5.33E-07	2.97E-07	-2.35E-07	1.17E-07	6.66E-08	-5.04E-08	5.41E-08	3.08E-08	-2.33E-08	1.17E-07	6.66E-08	-5.04E-08
3736	479363.1	3851877.25	6.30E-07	3.51E-07	-2.79E-07	1.38E-07	7.86E-08	-5.97E-08	6.39E-08	3.63E-08	-2.76E-08	1.38E-07	7.86E-08	-5.97E-08
3737	479863.1	3851877.25	7.66E-07	4.26E-07	-3.40E-07	1.68E-07	9.54E-08	-7.29E-08	7.78E-08	4.41E-08	-3.37E-08	1.68E-07	9.54E-08	-7.29E-08
3738	480363.1	3851877.25	9.99E-07	5.56E-07	-4.43E-07	2.20E-07	1.25E-07	-9.50E-08	1.01E-07	5.76E-08	-4.39E-08	2.20E-07	1.25E-07	-9.50E-08
3739	480863.1	3851877.25	1.56E-06	8.67E-07	-6.96E-07	3.43E-07	1.94E-07	-1.49E-07	1.59E-07	8.97E-08	-6.90E-08	3.43E-07	1.94E-07	-1.49E-07
3740	481363.1	3851877.25	7.02E-06	3.90E-06	-3.12E-06	1.54E-06	8.73E-07	-6.69E-07	7.13E-07	4.04E-07	-3.09E-07	1.54E-06	8.73E-07	-6.69E-07
3741	481863.1	3851877.25	4.85E-06	2.69E-06	-2.16E-06	1.07E-06	6.01E-07	-4.64E-07	4.93E-07	2.78E-07	-2.15E-07	1.07E-06	6.01E-07	-4.64E-07
3742	482363.1	3851877.25	1.93E-06	1.07E-06	-8.58E-07	4.23E-07	2.39E-07	-1.84E-07	1.96E-07	1.11E-07	-8.50E-08	4.23E-07	2.39E-07	-1.84E-07
3743	482863.1	3851877.25	1.19E-06	6.63E-07	-5.27E-07	2.61E-07	1.48E-07	-1.13E-07	1.21E-07	6.86E-08	-5.22E-08	2.61E-07	1.48E-07	-1.13E-07
3744	483363.1	3851877.25	9.91E-07	5.54E-07	-4.37E-07	2.18E-07	1.24E-07	-9.38E-08	1.01E-07	5.73E-08	-4.33E-08	2.18E-07	1.24E-07	-9.38E-08
3745	483863.1	3851877.25	8.31E-07	4.65E-07	-3.66E-07	1.83E-07	1.04E-07	-7.84E-08	8.44E-08	4.81E-08	-3.63E-08	1.83E-07	1.04E-07	-7.84E-08
3746	484363.1	3851877.25	7.74E-07	4.33E-07	-3.40E-07	1.70E-07	9.71E-08	-7.29E-08	7.86E-08	4.49E-08	-3.37E-08	1.70E-07	9.71E-08	-7.29E-08
3747	484863.1	3851877.25	6.81E-07	3.81E-07	-3.00E-07	1.50E-07	8.54E-08	-6.42E-08	6.91E-08	3.95E-08	-2.97E-08	1.50E-07	8.54E-08	-6.42E-08
3748	485363.1	3851877.25	6.32E-07	3.55E-07	-2.78E-07	1.39E-07	7.94E-08	-5.95E-08	6.42E-08	3.67E-08	-2.75E-08	1.39E-07	7.94E-08	-5.95E-08
3749	485863.1	3851877.25	5.89E-07	3.31E-07	-2.58E-07	1.29E-07	7.41E-08	-5.53E-08	5.98E-08	3.43E-08	-2.56E-08	1.29E-07	7.41E-08	-5.53E-08
3750	486363.1	3851877.25	5.30E-07	2.97E-07	-2.32E-07	1.16E-07	6.66E-08	-4.98E-08	5.38E-08	3.08E-08	-2.30E-08	1.16E-07	6.66E-08	-4.98E-08
3751	486863.1	3851877.25	4.96E-07	2.78E-07	-2.17E-07	1.09E-07	6.23E-08	-4.66E-08	5.03E-08	2.88E-08	-2.15E-08	1.09E-07	6.23E-08	-4.66E-08
3752	487363.1	3851877.25	4.65E-07	2.62E-07	-2.04E-07	1.02E-07	5.86E-08	-4.36E-08	4.72E-08	2.71E-08	-2.02E-08	1.02E-07	5.86E-08	-4.36E-08
3753	487863.1	3851877.25	4.22E-07	2.37E-07	-1.85E-07	9.27E-08	5.31E-08	-3.96E-08	4.28E-08	2.45E-08	-1.83E-08	9.27E-08	5.31E-08	-3.96E-08
3754	488363.1	3851877.25	4.01E-07	2.26E-07	-1.75E-07	8.81E-08	5.06E-08	-3.76E-08	4.07E-08	2.34E-08	-1.74E-08	8.81E-08	5.06E-08	-3.76E-08
3755	488863.1	3851877.25	3.74E-07	2.11E-07	-1.63E-07	8.22E-08	4.72E-08	-3.50E-08	3.80E-08	2.18E-08	-1.62E-08	8.22E-08	4.72E-08	-3.50E-08
3756	489363.1	3851877.25	3.51E-07	1.98E-07	-1.53E-07	7.71E-08	4.43E-08	-3.27E-08	3.56E-08	2.05E-08	-1.51E-08	7.71E-08	4.43E-08	-3.27E-08
3757	489863.1	3851877.25	3.33E-07	1.88E-07	-1.45E-07	7.31E-08	4.21E-08	-3.11E-08	3.38E-08	1.94E-08	-1.44E-08	7.31E-08	4.21E-08	-3.11E-08
3758	490363.1	3851877.25	3.20E-07	1.81E-07	-1.39E-07	7.04E-08	4.06E-08	-2.98E-08	3.25E-08	1.87E-08	-1.38E-08	7.04E-08	4.06E-08	-2.98E-08
3759	490863.1	3851877.25	3.10E-07	1.76E-07	-1.34E-07	6.82E-08	3.94E-08	-2.88E-08	3.15E-08	1.82E-08	-1.33E-08	6.82E-08	3.94E-08	-2.88E-08
3760	491363.1	3851877.25	3.03E-07	1.72E-07	-1.31E-07	6.66E-08	3.86E-08	-2.80E-08	3.08E-08	1.78E-08	-1.30E-08	6.66E-08	3.86E-08	-2.80E-08
3761	491863.1	3851877.25	2.95E-07	1.67E-07	-1.28E-07	6.48E-08	3.75E-08	-2.73E-08	3.00E-08	1.73E-08	-1.26E-08	6.48E-08	3.75E-08	-2.73E-08
3762	492363.1	3851877.25	2.81E-07	1.60E-07	-1.21E-07	6.17E-08	3.57E-08	-2.59E-08	2.85E-08	1.65E-08	-1.20E-08	6.17E-08	3.57E-08	-2.59E-08
3763	492863.1	3851877.25	2.53E-07	1.43E-07	-1.09E-07	5.55E-08	3.21E-08	-2.34E-08	2.57E-08	1.48E-08	-1.08E-08	5.55E-08	3.21E-08	-2.34E-08
3764	493363.1	3851877.25	2.66E-07	1.51E-07	-1.15E-07	5.85E-08	3.39E-08	-2.46E-08	2.70E-08	1.57E-08	-1.14E-08	5.85E-08	3.39E-08	-2.46E-08
3765	493863.1	3851877.25	2.79E-07	1.59E-07	-1.20E-07	6.13E-08	3.56E-08	-2.57E-08	2.83E-08	1.64E-08	-1.19E-08	6.13E-08	3.56E-08	-2.57E-08
3766	494363.1	3851877.25	2.67E-07	1.52E-07	-1.15E-07	5.87E-08	3.41E-08	-2.46E-08	2.71E-08	1.57E-08	-1.14E-08	5.87E-08	3.41E-08	-2.46E-08
3767	494863.1	3851877.25	2.71E-07	1.55E-07	-1.16E-07	5.95E-08	3.46E-08	-2.49E-08	2.75E-08	1.60E-08	-1.15E-08	5.95E-08	3.46E-08	-2.49E-08
3768	495363.1	3851877.25	2.71E-07	1.54E-07	-1.16E-07	5.95E-08	3.46E-08	-2.49E-08	2.75E-08	1.60E-08	-1.15E-08	5.95E-08	3.46E-08	-2.49E-08
3769	495863.1	3851877.25	2.67E-07	1.53E-07	-1.15E-07	5.87E-08	3.42E-08	-2.45E-08	2.71E-08	1.58E-08	-1.13E-08	5.87E-08	3.42E-08	-2.45E-08
3770	496363.1	3851877.25	2.61E-07	1.49E-07	-1.12E-07	5.73E-08	3.33E-08	-2.40E-08	2.65E-08	1.54E-08	-1.11E-08	5.73E-08	3.33E-08	-2.40E-08
3771	496863.1	3851877.25	2.54E-07	1.45E-07	-1.09E-07	5.57E-08	3.24E-08	-2.33E-08	2.58E-08	1.50E-08	-1.08E-08	5.57E-08	3.24E-08	-2.33E-08
3772	497363.1	3851877.25	2.46E-07	1.40E-07	-1.06E-07	5.42E-08	3.14E-08	-2.27E-08	2.50E-08	1.45E-08	-1.05E-08	5.42E-08	3.14E-08	-2.27E-08
3773	497863.1	3851877.25	2.35E-07	1.33E-07	-1.01E-07	5.16E-08	2.99E-08	-2.17E-08	2.38E-08	1.38E-08	-1.00E-08	5.16E-08	2.99E-08	-2.17E-08
3774	498363.1	3851877.25	2.25E-07	1.28E-07	-9.74E-08	4.94E-08	2.86E-08	-2.09E-08	2.28E-08	1.32E-08	-9.64E-09	4.94E-08	2.86E-08	-2.09E-08
3775	471363.1	3852377.25	1.49E-07	8.29E-08	-6.65E-08	3.28E-08	1.86E-08	-1.43E-08	1.52E-08	8.58E-09	-6.59E-09	3.28E-08	1.86E-08	-1.43E-08
3776	471863.1	3852377.25	1.62E-07	9.01E-08	-7.18E-08	3.56E-08	2.02E-08	-1.54E-08	1.64E-08	9.32E-09	-7.12E-09	3.56E-08	2.02E-08	-1.54E-08
3777	472363.1	3852377.25	1.72E-07	9.53E-08	-7.65E-08	3.77E-08	2.13E-08	-1.64E-08	1.74E-08	9.86E-09	-7.59E-09	3.77E-08	2.13E-08	-1.64E-08
3778	472863.1	3852377.25	1.81E-07	1.00E-07	-8.03E-08	3.97E-08	2.25E-08	-1.72E-08	1.84E-08	1.04E-08	-7.96E-09	3.97E-08	2.25E-08	-1.72E-08

3779	473363.1	3852377.25	1.88E-07	1.04E-07	-8.35E-08	4.13E-08	2.34E-08	-1.79E-08	1.91E-08	1.08E-08	-8.28E-09	4.13E-08	2.34E-08	-1.79E-08
3780	473863.1	3852377.25	1.92E-07	1.07E-07	-8.49E-08	4.21E-08	2.39E-08	-1.82E-08	1.95E-08	1.10E-08	-8.41E-09	4.21E-08	2.39E-08	-1.82E-08
3781	474363.1	3852377.25	1.96E-07	1.09E-07	-8.67E-08	4.31E-08	2.45E-08	-1.86E-08	1.99E-08	1.13E-08	-8.59E-09	4.31E-08	2.45E-08	-1.86E-08
3782	474863.1	3852377.25	2.32E-07	1.30E-07	-1.03E-07	5.10E-08	2.90E-08	-2.20E-08	2.36E-08	1.34E-08	-1.02E-08	5.10E-08	2.90E-08	-2.20E-08
3783	475363.1	3852377.25	2.41E-07	1.35E-07	-1.06E-07	5.30E-08	3.02E-08	-2.27E-08	2.45E-08	1.40E-08	-1.05E-08	5.30E-08	3.02E-08	-2.27E-08
3784	475863.1	3852377.25	2.51E-07	1.40E-07	-1.11E-07	5.51E-08	3.14E-08	-2.37E-08	2.55E-08	1.45E-08	-1.10E-08	5.51E-08	3.14E-08	-2.37E-08
3785	476363.1	3852377.25	2.59E-07	1.45E-07	-1.14E-07	5.69E-08	3.24E-08	-2.45E-08	2.63E-08	1.50E-08	-1.13E-08	5.69E-08	3.24E-08	-2.45E-08
3786	476863.1	3852377.25	2.82E-07	1.58E-07	-1.25E-07	6.21E-08	3.53E-08	-2.68E-08	2.87E-08	1.63E-08	-1.24E-08	6.21E-08	3.53E-08	-2.68E-08
3787	477363.1	3852377.25	2.96E-07	1.65E-07	-1.31E-07	6.50E-08	3.69E-08	-2.81E-08	3.01E-08	1.70E-08	-1.30E-08	6.50E-08	3.69E-08	-2.81E-08
3788	477863.1	3852377.25	2.79E-07	1.56E-07	-1.23E-07	6.13E-08	3.49E-08	-2.64E-08	2.83E-08	1.61E-08	-1.22E-08	6.13E-08	3.49E-08	-2.64E-08
3789	478363.1	3852377.25	2.75E-07	1.54E-07	-1.21E-07	6.05E-08	3.45E-08	-2.60E-08	2.79E-08	1.59E-08	-1.20E-08	6.05E-08	3.45E-08	-2.60E-08
3790	478863.1	3852377.25	3.37E-07	1.89E-07	-1.49E-07	7.41E-08	4.23E-08	-3.18E-08	3.43E-08	1.95E-08	-1.47E-08	7.41E-08	4.23E-08	-3.18E-08
3791	479363.1	3852377.25	3.91E-07	2.19E-07	-1.72E-07	8.60E-08	4.91E-08	-3.69E-08	3.97E-08	2.27E-08	-1.70E-08	8.60E-08	4.91E-08	-3.69E-08
3792	479863.1	3852377.25	5.16E-07	2.89E-07	-2.27E-07	1.13E-07	6.48E-08	-4.87E-08	5.24E-08	2.99E-08	-2.25E-08	1.13E-07	6.48E-08	-4.87E-08
3793	480363.1	3852377.25	6.70E-07	3.73E-07	-2.97E-07	1.47E-07	8.36E-08	-6.37E-08	6.80E-08	3.86E-08	-2.94E-08	1.47E-07	8.36E-08	-6.37E-08
3794	480863.1	3852377.25	8.72E-07	4.86E-07	-3.86E-07	1.92E-07	1.09E-07	-8.28E-08	8.85E-08	5.02E-08	-3.83E-08	1.92E-07	1.09E-07	-8.28E-08
3795	481363.1	3852377.25	1.42E-06	7.90E-07	-6.32E-07	3.12E-07	1.77E-07	-1.36E-07	1.44E-07	8.18E-08	-6.27E-08	3.12E-07	1.77E-07	-1.36E-07
3796	481863.1	3852377.25	8.10E-06	4.51E-06	-3.60E-06	1.78E-06	1.01E-06	-7.71E-07	8.23E-07	4.66E-07	-3.56E-07	1.78E-06	1.01E-06	-7.71E-07
3797	482363.1	3852377.25	4.52E-06	2.50E-06	-2.02E-06	9.93E-07	5.60E-07	-4.33E-07	4.59E-07	2.59E-07	-2.00E-07	9.93E-07	5.60E-07	-4.33E-07
3798	482863.1	3852377.25	1.91E-06	1.07E-06	-8.45E-07	4.20E-07	2.39E-07	-1.81E-07	1.94E-07	1.11E-07	-8.38E-08	4.20E-07	2.39E-07	-1.81E-07
3799	483363.1	3852377.25	1.17E-06	6.58E-07	-5.16E-07	2.58E-07	1.47E-07	-1.11E-07	1.19E-07	6.81E-08	-5.11E-08	2.58E-07	1.47E-07	-1.11E-07
3800	483863.1	3852377.25	9.04E-07	5.07E-07	-3.97E-07	1.99E-07	1.14E-07	-8.50E-08	9.18E-08	5.25E-08	-3.93E-08	1.99E-07	1.14E-07	-8.50E-08
3801	484363.1	3852377.25	8.27E-07	4.65E-07	-3.61E-07	1.82E-07	1.04E-07	-7.75E-08	8.39E-08	4.81E-08	-3.58E-08	1.82E-07	1.04E-07	-7.75E-08
3802	484863.1	3852377.25	7.56E-07	4.26E-07	-3.30E-07	1.66E-07	9.54E-08	-7.06E-08	7.67E-08	4.41E-08	-3.26E-08	1.66E-07	9.54E-08	-7.06E-08
3803	485363.1	3852377.25	6.95E-07	3.93E-07	-3.02E-07	1.53E-07	8.80E-08	-6.48E-08	7.06E-08	4.07E-08	-2.99E-08	1.53E-07	8.80E-08	-6.48E-08
3804	485863.1	3852377.25	6.15E-07	3.49E-07	-2.67E-07	1.35E-07	7.81E-08	-5.71E-08	6.25E-08	3.61E-08	-2.64E-08	1.35E-07	7.81E-08	-5.71E-08
3805	486363.1	3852377.25	5.38E-07	3.05E-07	-2.33E-07	1.18E-07	6.82E-08	-5.00E-08	5.46E-08	3.15E-08	-2.31E-08	1.18E-07	6.82E-08	-5.00E-08
3806	486863.1	3852377.25	4.96E-07	2.81E-07	-2.15E-07	1.09E-07	6.29E-08	-4.60E-08	5.03E-08	2.91E-08	-2.13E-08	1.09E-07	6.29E-08	-4.60E-08
3807	487363.1	3852377.25	4.52E-07	2.57E-07	-1.96E-07	9.94E-08	5.74E-08	-4.20E-08	4.59E-08	2.65E-08	-1.94E-08	9.94E-08	5.74E-08	-4.20E-08
3808	487863.1	3852377.25	4.15E-07	2.35E-07	-1.79E-07	9.11E-08	5.27E-08	-3.84E-08	4.21E-08	2.44E-08	-1.77E-08	9.11E-08	5.27E-08	-3.84E-08
3809	488363.1	3852377.25	3.83E-07	2.18E-07	-1.65E-07	8.42E-08	4.88E-08	-3.54E-08	3.89E-08	2.25E-08	-1.64E-08	8.42E-08	4.88E-08	-3.54E-08
3810	488863.1	3852377.25	3.53E-07	2.01E-07	-1.52E-07	7.75E-08	4.49E-08	-3.25E-08	3.58E-08	2.08E-08	-1.50E-08	7.75E-08	4.49E-08	-3.25E-08
3811	489363.1	3852377.25	3.30E-07	1.88E-07	-1.42E-07	7.25E-08	4.21E-08	-3.04E-08	3.35E-08	1.95E-08	-1.41E-08	7.25E-08	4.21E-08	-3.04E-08
3812	489863.1	3852377.25	3.05E-07	1.74E-07	-1.31E-07	6.70E-08	3.89E-08	-2.81E-08	3.10E-08	1.80E-08	-1.30E-08	6.70E-08	3.89E-08	-2.81E-08
3813	490363.1	3852377.25	3.08E-07	1.76E-07	-1.32E-07	6.76E-08	3.93E-08	-2.83E-08	3.12E-08	1.82E-08	-1.31E-08	6.76E-08	3.93E-08	-2.83E-08
3814	490863.1	3852377.25	3.06E-07	1.75E-07	-1.31E-07	6.72E-08	3.92E-08	-2.80E-08	3.11E-08	1.81E-08	-1.30E-08	6.72E-08	3.92E-08	-2.80E-08
3815	491363.1	3852377.25	3.17E-07	1.82E-07	-1.35E-07	6.96E-08	4.07E-08	-2.89E-08	3.22E-08	1.88E-08	-1.34E-08	6.96E-08	4.07E-08	-2.89E-08
3816	491863.1	3852377.25	3.09E-07	1.78E-07	-1.32E-07	6.80E-08	3.98E-08	-2.82E-08	3.14E-08	1.84E-08	-1.30E-08	6.80E-08	3.98E-08	-2.82E-08
3817	492363.1	3852377.25	3.01E-07	1.73E-07	-1.28E-07	6.62E-08	3.87E-08	-2.75E-08	3.06E-08	1.79E-08	-1.27E-08	6.62E-08	3.87E-08	-2.75E-08
3818	492863.1	3852377.25	3.00E-07	1.72E-07	-1.27E-07	6.58E-08	3.86E-08	-2.73E-08	3.04E-08	1.78E-08	-1.26E-08	6.58E-08	3.86E-08	-2.73E-08
3819	493363.1	3852377.25	3.04E-07	1.75E-07	-1.29E-07	6.68E-08	3.92E-08	-2.76E-08	3.09E-08	1.81E-08	-1.27E-08	6.68E-08	3.92E-08	-2.76E-08
3820	493863.1	3852377.25	2.95E-07	1.70E-07	-1.25E-07	6.48E-08	3.80E-08	-2.68E-08	3.00E-08	1.76E-08	-1.24E-08	6.48E-08	3.80E-08	-2.68E-08
3821	494363.1	3852377.25	2.87E-07	1.65E-07	-1.22E-07	6.30E-08	3.69E-08	-2.61E-08	2.91E-08	1.71E-08	-1.21E-08	6.30E-08	3.69E-08	-2.61E-08
3822	494863.1	3852377.25	2.87E-07	1.65E-07	-1.22E-07	6.30E-08	3.69E-08	-2.61E-08	2.91E-08	1.71E-08	-1.21E-08	6.30E-08	3.69E-08	-2.61E-08
3823	495363.1	3852377.25	2.86E-07	1.65E-07	-1.21E-07	6.28E-08	3.69E-08	-2.60E-08	2.90E-08	1.70E-08	-1.20E-08	6.28E-08	3.69E-08	-2.60E-08
3824	495863.1	3852377.25	2.77E-07	1.59E-07	-1.18E-07	6.09E-08	3.57E-08	-2.52E-08	2.81E-08	1.65E-08	-1.16E-08	6.09E-08	3.57E-08	-2.52E-08
3825	496363.1	3852377.25	2.67E-07	1.53E-07	-1.14E-07	5.87E-08	3.43E-08	-2.44E-08	2.71E-08	1.59E-08	-1.13E-08	5.87E-08	3.43E-08	-2.44E-08
3826	496863.1	3852377.25	2.60E-07	1.49E-07	-1.11E-07	5.71E-08	3.34E-08	-2.37E-08	2.64E-08	1.54E-08	-1.10E-08	5.71E-08	3.34E-08	-2.37E-08
3827	497363.1	3852377.25	2.47E-07	1.41E-07	-1.06E-07	5.44E-08	3.17E-08	-2.27E-08	2.51E-08	1.46E-08	-1.05E-08	5.44E-08	3.17E-08	-2.27E-08
3828	497863.1	3852377.25	2.33E-07	1.33E-07	-1.00E-07	5.12E-08	2.97E-08	-2.15E-08	2.37E-08	1.37E-08	-9.92E-09	5.12E-08	2.97E-08	-2.15E-08
3829	498363.1	3852377.25	2.21E-07	1.26E-07	-9.57E-08	4.86E-08	2.81E-08	-2.05E-08	2.25E-08	1.30E-08	-9.48E-09	4.86E-08	2.81E-08	-2.05E-08
3830	471363.1	3852877.25	1.45E-07	8.04E-08	-6.44E-08	3.18E-08	1.80E-08	-1.38E-08	1.47E-08	8.32E-09	-6.39E-09	3.18E-08	1.80E-08	-1.38E-08
3831	471863.1	3852877.25	1.54E-07	8.54E-08	-6.85E-08	3.38E-08	1.91E-08	-1.47E-08	1.56E-08	8.83E-09	-6.79E-09	3.38E-08	1.91E-08	-1.47E-08
3832	472363.1	3852877.25	1.62E-07	8.98E-08	-7.21E-08	3.56E-08	2.01E-08	-1.55E-08	1.64E-08	9.29E-09	-7.15E-09	3.56E-08	2.01E-08	-1.55E-08
3833	472863.1	3852877.25	1.69E-07	9.38E-08	-7.53E-08	3.72E-08	2.10E-08	-1.62E-08	1.72E-08	9.71E-09	-7.47E-09	3.72E-08	2.10E-08	-1.62E-08
3834	473363.1	3852877.25	1.78E-07	9.90E-08	-7.91E-08	3.91E-08	2.22E-08	-1.70E-08	1.81E-08	1.02E-08	-7.84E-09	3.91E-08	2.22E-08	-1.70E-08
3835	473863.1	3852877.25	1.89E-07	1.05E-07	-8.39E-08	4.15E-08	2.35E-08	-1.80E-08	1.92E-08	1.09E-08	-8.32E-09	4.15E-08	2.35E-08	-1.80E-08
3836	474363.1	3852877.25	2.01E-07	1.11E-07	-8.92E-08	4.41E-08	2.49E-08	-1.91E-08	2.04E-08	1.15E-08	-8.84E-09	4.41E-08	2.49E-08	-1.91E-08
3837	474863.1	3852877.25	1.97E-07	1.09E-07	-8.76E-08	4.33E-08	2.45E-08	-1.88E-08	2.00E-08	1.13E-08	-8.68E-09	4.33E-08	2.45E-08	-1.88E-08
3838	475363.1	3852877.25	2.11E-07	1.18E-07	-9.38E-08	4.64E-08	2.63E-08	-2.01E-08	2.15E-08	1.22E-08	-9.29E-09	4.64E-08	2.63E-08	-2.01E-08
3839	475863.1	3852877.25	2.19E-07	1.22E-07	-9.65E-08	4.80E-08	2.73E-08	-2.07E-08	2.22E-08	1.26E-08	-9.56E-09	4.80E-08	2.73E-08	-2.07E-08
3840	476363.1	3852877.25	2.19E-07	1.22E-07	-9.63E-08	4.80E-08	2.74E-08	-2.06E-08	2.22E-08	1.27E-08	-9.54E-09	4.80E-08	2.74E-08	-2.06E-08
3841	476863.1	3852877.25	2.13E-07	1.20E-07	-9.33E-08	4.68E-08	2.68E-08	-2.00E-08	2.16E-08	1.24E-08	-9.25E-09	4.68E-08	2.68E-08	-2.00E-08
3842	477363.1	3852877.25	2.12E-07	1.19E-07	-9.34E-08	4.66E-08	2.66E-08	-2.00E-08	2.16E-08	1.23E-08	-9.26E-09	4.66E-08	2.66E-08	-2.00E-08
3843	477863.1	3852877.25	2.08E-07	1.16E-07	-9.17E-08	4.57E-08	2.60E-08	-1.97E-08	2.11E-08	1.20E-08	-9.08E-09	4.57E-08	2.60E-08	-1.97E-08
3844	478363.1	3852877.25	1.95E-07	1.09E-07	-8.65E-08	4.29E-08	2.43E-08	-1.86E-08	1.98E-08	1.12E-08	-8.57E-09	4.29E-08	2.43E-08	-1.86E-08
3845	478863.1	3852877.25	2.19E-07	1.22E-07	-9.63E-08	4.80E-08	2.74E-08	-2.06E-08	2.22E-08	1.27E-08	-9.54E-09	4.80E-08	2.74E-08	-2.06E-08
3846	479363.1	3852877.25	2.65E-07	1.49E-07	-1.16E-07	5.83E-08	3.33E-08	-2.50E-08	2.69E-08	1.54E-08	-1.15E-08	5.83E-08	3.33E-08	-2.50E-08
3847	479863.1	3852877.25	3.64E-07	2.05E-07	-1.59E-07	8.00E-08	4.60E-08	-3.40E-08	3.70E-08	2.13E-08	-1.57E-08	8.00E-08	4.60E-08	-3.40E-08
3848	480363.1	3852877.25	5.04E-07	2.83E-07	-2.21E-07	1.11E-07	6.34E-08	-4.73E-08	5.12E-08	2.93E-08	-2.19E-08	1.11E-07	6.34E-08	-4.73E-08
3849	480863.1	3852877.25	6.26E-07	3.50E-07	-2.76E-07	1.38E-07	7.83E-08	-5.92E-08	6.36E-08	3.62E-08	-2.74E-08	1.38E-07	7.83E-08	-5.92E-08
3850	481363.1	3852877.25	8.49E-07	4.73E-07	-3.76E-07	1.87E-07	1.06E-07	-8.06E-08	8.62E-08	4.90E-08	-3.72E-08	1.87E-07	1.06E-07	-8.06E-08
3851	481863.1	3852877.25	1.42E-06	7.92E-07	-6.32E-07	3.13E-07	1.77E-07	-1.36E-07	1.45E-07	8.20E-08	-6.27E-08	3.13E-07	1.77E-07	-1.36E-07
3852	482363.1	3852877.25	9.77E-06	5.44E-06	-4.33E-06	2.15E-06	1.22E-06	-9.28E-07	9.92E-07	5.63E-07	-4.29E-07	2.15E-06	1.22E-06	-9.28E-07
3853	482863.1	3852877.25	4.19E-06	2.33E-06	-1.86E-06	9.21E-07	5.23E-07	-3.98E-07	4.26E-07	2.42E-07	-1.84E-07	9.21E-07	5.23E-07	-3.98E-07
3854	483363.1	3852877.25	1.75E-06	9.85E-07	-7.68E-07	3.85E-07	2.21E-07	-1.65E-07	1.78E-07	1.02E-07	-7.61E-08	3.85E-07	2.21E-07	-1.65E-07
3855	483863.1	3852877.25	1.01E-06	5.73E-07	-4.39E-07	2.23E-07	1.28E-07	-9.41E-08	1.03E-07	5.93E-08	-4.35E-08	2.23E-07	1.28E-07	-9.41E-08
3856	484363.1	3852877.25	9.07E-07	5.16E-07	-3.90E-07	1.99E-07	1.16E-07	-8.36E-08	9.21E-08	5.34E-08	-3.86E-08	1.99E-07	1.16E-07	-8.36E-08
3857	484863.1	3852877.25	8.14E-07	4.66E-07	-3.48E-07	1.79E-07	1.04E-07	-7.46E-08	8.27E-08	4.82E-08	-3.45E-08	1.79E-07	1.04E-07	-7.46E-08
3858	485363.1	3852877.25	6.42E-07	3.68E-07	-2.74E-07	1.41E-07	8.24E-08	-5.87E-08	6.52E-08	3.81E-08	-2.71E-08	1.41E-07	8.24E-08	-5.87E-08
3859	485863.1	3852877.25	5.62E-07	3.23E-07	-2.39E-07	1.24E-07	7.24E-08	-5.11E-08	5.71E-08	3.35E-08	-2.36E-08	1.24E-07	7.24E-08	-5.11E-08
3860	486363.1	3852877.25	4.99E-07	2.87E-07	-2.12E-07	1.10E-07	6.43E-08	-4.54E-08	5.07E-08	2.97E-08	-2.10E-08	1.10E-07	6.43E-08	-4.54E-08
3861	486863.1	3852877.25	4.62E-07	2.66E-07	-1.96E-07	1.02E-07	5.97E-08	-4.19E-08	4.69E-08	2.76E-08	-1.94E-08	1.02E-07	5.97E-08	-4.19E-08
3862	487363.1	3852877.25	4.22E-07	2.43E-07	-1.78E-07	9.27E-08	5.45E-08	-3.82E-08	4.28E-08	2.52E-08	-1.76E-08	9.27E-08	5.45E-08	-3.82E-08
3863	487863.1	3852877.25	3.92E-07	2.27E-07	-1.66E-07	8.62E-08	5.07E-08	-3.54E-08	3.98E-08	2.34E-08	-1.64E-08	8.62E-08	5.07E-08	-3.54E-08
3864	488363.1	3852877.25	3.28E-07	1.89E-07	-1.39E-07	7.21E-08	4.24E-08	-2.97E-08	3.33E-08	1.96E-08	-1.37E-08	7.21E-08	4.24E-08	-2.97E-08
3865	488863.1	3852877.25	3.27E-07	1.89E-07	-1.38E-07	7.17E-08	4.22E-08	-2.95E-08	3.32E-08	1.95E-08	-1.36E-08	7.17E-08	4.22E-08	-2.95E-08
3866	489363.1	3852877.25	3.18E-07	1.84E-07	-1.34E-07	6.98E-08	4.11E-08	-2.87E-08	3.22E-08	1.90E-08	-1.32E-08	6.98E-08	4.11E-08	-2.87E-08
3867	489863.1	3852877.25	3.09E-07	1.79E-07	-1.30E-07	6.78E-08	4.00E-08	-2.78E-08	3.13E-08	1.85E-08	-1.28E-08	6.78E-08	4.00E-08	-2.78E-08
3868	490363.1	3852877.25	3.32E-07	1.93E-07	-1.39E-07	7.29E-08	4.32E-08	-2.98E-08	3.37E-08	2.00E-08	-1.38E-08	7.29E-08	4.32E-08	-2.98E-08
3869	490863.1	3852877.25	3.33E-07	1.94E-07	-1.39E-07	7.31E-08	4.34E-08	-2.97E-08	3.38E-08	2.01E-08	-1.37E-08	7.31E-08	4.34E-08	-2.97E-08
3870	491363.1	3852877.25	3.33E-07	1.94E-07	-1.39E-07	7.31E-08	4.34E-08	-2.97E-08	3.38E-08	2.01E-08	-1.37E-08	7.31E-08	4.34E-08	-2.97E-08
3871	491863.1	3852877.25	3.27E-07	1.91E-07	-1.37E-07	7.19E-08	4.27E-08	-2.93E-08	3.32E-08	1.97E-08	-1.35E-08	7.19E-08	4.27E-08	-2.93E-08
3872	492363.1	3852877.25	3.23E-07	1.88E-07	-1.35E-07	7.10E-08	4.22E-08	-2.88E-08	3.28E-08	1.95E-08	-1.33E-08	7.10E-08	4.22E-08	-2.88E-08
3873	492863.1	3852877.25	3.24E-07	1.89E-07	-1.35E-07	7.11E-08	4.24E-08	-2.88E-08	3.29E-08	1.96E-08	-1.33E-08	7.11E-08	4.24E-08	-2.88E-08
3874	493363.1	3852877.25	3.22E-07	1.88E-07	-1.34E-07	7.08E-08	4.21E-08	-2.86E-08	3.27E-08	1.95E-08	-1.32E-08	7.08E-08	4.21E-08	-2.86E-08
3875	493863.1	3852877.25	3.13E-07	1.83E-07	-1.30E-07	6.88E-08	4.09E-08	-2.79E-08	3.18E-08	1.89E-08	-1.29E-08	6.88E-08	4.09E-08	-2.79E-08
3876	494363.1	3852877.25	3.06E-07	1.78E-07	-1.28E-07	6.72E-08	3.99E-08	-2.73E-08	3.11E-08	1.84E-08	-1.26E-08	6.72E-08	3.99E-08	-2.73E-08
3877	494863.1	3852877.25	3.01E-07	1.75E-07	-1.26E-07	6.62E-08	3.92E-08	-2.70E-08	3.06E-08	1.81E-08	-1.25E-08	6.62E-08	3.92E-08	-2.70E-08
3878	495363.1	3852877.25	2.90E-07	1.68E-07	-1.22E-07	6.36E-08	3.76E-08	-2.60E-08	2.94E-08	1.74E-08	-1.20E-08	6.36E-08	3.76E-08	-2.60E-08
3879	495863.1	3852877.25	2.79E-07	1.61E-07	-1.18E-07	6.13E-08	3.61E-08	-2.52E-08	2.83E-08	1.67E-08	-1.16E-08	6.13E-08	3.61E-08	-2.52E-08
3880	496363.1	3852877.25	2.73E-07	1.58E-07	-1.16E-07	6.01E-08	3.53E-08	-2.47E-08	2.78E-08	1.63E-08	-1.14E-08	6.01E-08	3.53E-08	-2.47E-08
3881	496863.1	3852877.25	2.64E-07	1.53E-07	-1.12E-07	5.81E-08	3.42E-08	-2.39E-08	2.69E-08	1.58E-08	-1.11E-08	5.81E-08	3.42E-08	-2.39E-08
3882	497363.1	3852877.25	2.46E-07	1.41E-07	-1.05E-07	5.42E-08	3.17E-08	-2.25E-08	2.50E-08	1.46E-08	-1.04E-08	5.42E-08	3.17E-08	-2.25E-08
3883	497863.1	3852877.25	2.19E-07	1.24E-07	-9.45E-08	4.80E-08	2.78E-08	-2.02E-08	2.22E-08	1.28E-08	-9.36E-09	4.80E-08	2.78E-08	-2.02E-08

3884	498363.1	3852877.25	2.12E-07	1.20E-07	-9.22E-08	4.66E-08	2.69E-08	-1.98E-08	2.16E-08	1.24E-08	-9.13E-09	4.66E-08	2.69E-08	-1.98E-08
3885	471363.1	3853377.25	1.40E-07	7.79E-08	-6.24E-08	3.08E-08	1.74E-08	-1.34E-08	1.42E-08	8.06E-09	-6.19E-09	3.08E-08	1.74E-08	-1.34E-08
3886	471863.1	3853377.25	1.47E-07	8.16E-08	-6.50E-08	3.22E-08	1.83E-08	-1.39E-08	1.49E-08	8.45E-09	-6.44E-09	3.22E-08	1.83E-08	-1.39E-08
3887	472363.1	3853377.25	1.53E-07	8.51E-08	-6.78E-08	3.36E-08	1.91E-08	-1.45E-08	1.55E-08	8.81E-09	-6.72E-09	3.36E-08	1.91E-08	-1.45E-08
3888	472863.1	3853377.25	1.60E-07	8.88E-08	-7.13E-08	3.52E-08	1.99E-08	-1.53E-08	1.63E-08	9.19E-09	-7.07E-09	3.52E-08	1.99E-08	-1.53E-08
3889	473363.1	3853377.25	1.66E-07	9.20E-08	-7.35E-08	3.64E-08	2.06E-08	-1.58E-08	1.68E-08	9.53E-09	-7.28E-09	3.64E-08	2.06E-08	-1.58E-08
3890	473863.1	3853377.25	1.72E-07	9.55E-08	-7.63E-08	3.77E-08	2.14E-08	-1.64E-08	1.74E-08	9.89E-09	-7.56E-09	3.77E-08	2.14E-08	-1.64E-08
3891	474363.1	3853377.25	1.78E-07	9.87E-08	-7.94E-08	3.91E-08	2.21E-08	-1.70E-08	1.81E-08	1.02E-08	-7.87E-09	3.91E-08	2.21E-08	-1.70E-08
3892	474863.1	3853377.25	1.78E-07	9.90E-08	-7.91E-08	3.91E-08	2.22E-08	-1.70E-08	1.81E-08	1.02E-08	-7.84E-09	3.91E-08	2.22E-08	-1.70E-08
3893	475363.1	3853377.25	1.83E-07	1.01E-07	-8.11E-08	4.01E-08	2.27E-08	-1.74E-08	1.85E-08	1.05E-08	-8.04E-09	4.01E-08	2.27E-08	-1.74E-08
3894	475863.1	3853377.25	1.88E-07	1.04E-07	-8.38E-08	4.13E-08	2.33E-08	-1.80E-08	1.91E-08	1.08E-08	-8.31E-09	4.13E-08	2.33E-08	-1.80E-08
3895	476363.1	3853377.25	1.86E-07	1.03E-07	-8.30E-08	4.09E-08	2.31E-08	-1.78E-08	1.89E-08	1.07E-08	-8.23E-09	4.09E-08	2.31E-08	-1.78E-08
3896	476863.1	3853377.25	1.80E-07	9.95E-08	-8.04E-08	3.95E-08	2.23E-08	-1.72E-08	1.83E-08	1.03E-08	-7.97E-09	3.95E-08	2.23E-08	-1.72E-08
3897	477363.1	3853377.25	1.84E-07	1.02E-07	-8.15E-08	4.03E-08	2.28E-08	-1.75E-08	1.86E-08	1.06E-08	-8.08E-09	4.03E-08	2.28E-08	-1.75E-08
3898	477863.1	3853377.25	1.89E-07	1.05E-07	-8.39E-08	4.15E-08	2.35E-08	-1.80E-08	1.92E-08	1.09E-08	-8.32E-09	4.15E-08	2.35E-08	-1.80E-08
3899	478363.1	3853377.25	1.83E-07	1.01E-07	-8.11E-08	4.01E-08	2.27E-08	-1.74E-08	1.85E-08	1.05E-08	-8.04E-09	4.01E-08	2.27E-08	-1.74E-08
3900	478863.1	3853377.25	1.76E-07	9.75E-08	-7.88E-08	3.87E-08	2.18E-08	-1.69E-08	1.79E-08	1.01E-08	-7.81E-09	3.87E-08	2.18E-08	-1.69E-08
3901	479363.1	3853377.25	2.18E-07	1.21E-07	-9.64E-08	4.78E-08	2.72E-08	-2.07E-08	2.21E-08	1.26E-08	-9.55E-09	4.78E-08	2.72E-08	-2.07E-08
3902	479863.1	3853377.25	2.72E-07	1.52E-07	-1.19E-07	5.97E-08	3.41E-08	-2.56E-08	2.76E-08	1.58E-08	-1.18E-08	5.97E-08	3.41E-08	-2.56E-08
3903	480363.1	3853377.25	3.74E-07	2.10E-07	-1.64E-07	8.22E-08	4.71E-08	-3.51E-08	3.80E-08	2.18E-08	-1.62E-08	8.22E-08	4.71E-08	-3.51E-08
3904	480863.1	3853377.25	3.97E-07	2.25E-07	-1.71E-07	8.72E-08	5.04E-08	-3.67E-08	4.03E-08	2.33E-08	-1.70E-08	8.72E-08	5.04E-08	-3.67E-08
3905	481363.1	3853377.25	5.77E-07	3.24E-07	-2.53E-07	1.27E-07	7.26E-08	-5.43E-08	5.86E-08	3.35E-08	-2.51E-08	1.27E-07	7.26E-08	-5.43E-08
3906	481863.1	3853377.25	9.08E-07	5.04E-07	-4.04E-07	1.99E-07	1.13E-07	-8.66E-08	9.22E-08	5.21E-08	-4.00E-08	1.99E-07	1.13E-07	-8.66E-08
3907	482363.1	3853377.25	1.78E-06	9.84E-07	-8.01E-07	3.92E-07	2.20E-07	-1.72E-07	1.81E-07	1.02E-07	-7.94E-08	3.92E-07	2.20E-07	-1.72E-07
3908	482863.1	3853377.25	1.16E-05	6.74E-06	-4.91E-06	2.56E-06	1.51E-06	-1.05E-06	1.18E-06	6.97E-07	-4.85E-07	2.56E-06	1.51E-06	-1.05E-06
3909	483363.1	3853377.25	2.27E-06	1.31E-06	-9.67E-07	5.00E-07	2.93E-07	-2.07E-07	2.31E-07	1.35E-07	-9.56E-08	5.00E-07	2.93E-07	-2.07E-07
3910	483863.1	3853377.25	1.33E-06	7.79E-07	-5.56E-07	2.93E-07	1.74E-07	-1.19E-07	1.36E-07	8.06E-08	-5.50E-08	2.93E-07	1.74E-07	-1.19E-07
3911	484363.1	3853377.25	1.02E-06	6.04E-07	-4.18E-07	2.25E-07	1.35E-07	-8.93E-08	1.04E-07	6.25E-08	-4.13E-08	2.25E-07	1.35E-07	-8.93E-08
3912	484863.1	3853377.25	7.48E-07	4.48E-07	-3.00E-07	1.64E-07	1.00E-07	-6.40E-08	7.59E-08	4.63E-08	-2.96E-08	1.64E-07	1.00E-07	-6.40E-08
3913	485363.1	3853377.25	5.75E-07	3.43E-07	-2.31E-07	1.26E-07	7.69E-08	-4.94E-08	5.84E-08	3.55E-08	-2.28E-08	1.26E-07	7.69E-08	-4.94E-08
3914	485863.1	3853377.25	4.83E-07	2.87E-07	-1.96E-07	1.06E-07	6.43E-08	-4.18E-08	4.90E-08	2.97E-08	-1.93E-08	1.06E-07	6.43E-08	-4.18E-08
3915	486363.1	3853377.25	4.61E-07	2.75E-07	-1.86E-07	1.01E-07	6.15E-08	-3.97E-08	4.68E-08	2.84E-08	-1.83E-08	1.01E-07	6.15E-08	-3.97E-08
3916	486863.1	3853377.25	4.35E-07	2.60E-07	-1.75E-07	9.57E-08	5.82E-08	-3.74E-08	4.42E-08	2.69E-08	-1.73E-08	9.57E-08	5.82E-08	-3.74E-08
3917	487363.1	3853377.25	4.24E-07	2.54E-07	-1.70E-07	9.31E-08	5.68E-08	-3.63E-08	4.30E-08	2.63E-08	-1.68E-08	9.31E-08	5.68E-08	-3.63E-08
3918	487863.1	3853377.25	4.10E-07	2.46E-07	-1.64E-07	9.01E-08	5.51E-08	-3.51E-08	4.17E-08	2.54E-08	-1.62E-08	9.01E-08	5.51E-08	-3.51E-08
3919	488363.1	3853377.25	4.02E-07	2.41E-07	-1.61E-07	8.83E-08	5.40E-08	-3.43E-08	4.08E-08	2.50E-08	-1.59E-08	8.83E-08	5.40E-08	-3.43E-08
3920	488863.1	3853377.25	3.87E-07	2.32E-07	-1.55E-07	8.50E-08	5.19E-08	-3.31E-08	3.93E-08	2.40E-08	-1.53E-08	8.50E-08	5.19E-08	-3.31E-08
3921	489363.1	3853377.25	3.73E-07	2.24E-07	-1.50E-07	8.20E-08	5.01E-08	-3.20E-08	3.79E-08	2.31E-08	-1.48E-08	8.20E-08	5.01E-08	-3.20E-08
3922	489863.1	3853377.25	3.59E-07	2.14E-07	-1.45E-07	7.89E-08	4.79E-08	-3.09E-08	3.64E-08	2.22E-08	-1.43E-08	7.89E-08	4.79E-08	-3.09E-08
3923	490363.1	3853377.25	3.58E-07	2.14E-07	-1.44E-07	7.87E-08	4.78E-08	-3.08E-08	3.64E-08	2.21E-08	-1.42E-08	7.87E-08	4.78E-08	-3.08E-08
3924	490863.1	3853377.25	3.54E-07	2.11E-07	-1.43E-07	7.77E-08	4.72E-08	-3.04E-08	3.59E-08	2.18E-08	-1.41E-08	7.77E-08	4.72E-08	-3.04E-08
3925	491363.1	3853377.25	3.49E-07	2.08E-07	-1.41E-07	7.67E-08	4.66E-08	-3.01E-08	3.54E-08	2.15E-08	-1.39E-08	7.67E-08	4.66E-08	-3.01E-08
3926	491863.1	3853377.25	3.44E-07	2.04E-07	-1.39E-07	7.55E-08	4.57E-08	-2.98E-08	3.49E-08	2.11E-08	-1.38E-08	7.55E-08	4.57E-08	-2.98E-08
3927	492363.1	3853377.25	3.43E-07	2.03E-07	-1.39E-07	7.53E-08	4.56E-08	-2.97E-08	3.48E-08	2.11E-08	-1.37E-08	7.53E-08	4.56E-08	-2.97E-08
3928	492863.1	3853377.25	3.42E-07	2.02E-07	-1.39E-07	7.51E-08	4.53E-08	-2.98E-08	3.47E-08	2.10E-08	-1.38E-08	7.51E-08	4.53E-08	-2.98E-08
3929	493363.1	3853377.25	3.36E-07	1.99E-07	-1.38E-07	7.39E-08	4.45E-08	-2.94E-08	3.42E-08	2.06E-08	-1.36E-08	7.39E-08	4.45E-08	-2.94E-08
3930	493863.1	3853377.25	3.30E-07	1.94E-07	-1.36E-07	7.25E-08	4.35E-08	-2.90E-08	3.35E-08	2.01E-08	-1.34E-08	7.25E-08	4.35E-08	-2.90E-08
3931	494363.1	3853377.25	3.19E-07	1.87E-07	-1.32E-07	7.02E-08	4.19E-08	-2.82E-08	3.24E-08	1.94E-08	-1.30E-08	7.02E-08	4.19E-08	-2.82E-08
3932	494863.1	3853377.25	3.08E-07	1.80E-07	-1.28E-07	6.76E-08	4.02E-08	-2.74E-08	3.12E-08	1.86E-08	-1.26E-08	6.76E-08	4.02E-08	-2.74E-08
3933	495363.1	3853377.25	3.00E-07	1.75E-07	-1.26E-07	6.60E-08	3.92E-08	-2.68E-08	3.05E-08	1.81E-08	-1.24E-08	6.60E-08	3.92E-08	-2.68E-08
3934	495863.1	3853377.25	2.91E-07	1.68E-07	-1.22E-07	6.38E-08	3.77E-08	-2.61E-08	2.95E-08	1.74E-08	-1.21E-08	6.38E-08	3.77E-08	-2.61E-08
3935	496363.1	3853377.25	2.78E-07	1.61E-07	-1.17E-07	6.11E-08	3.59E-08	-2.51E-08	2.82E-08	1.66E-08	-1.16E-08	6.11E-08	3.59E-08	-2.51E-08
3936	496863.1	3853377.25	2.60E-07	1.50E-07	-1.10E-07	5.71E-08	3.36E-08	-2.36E-08	2.64E-08	1.55E-08	-1.09E-08	5.71E-08	3.36E-08	-2.36E-08
3937	497363.1	3853377.25	2.39E-07	1.37E-07	-1.02E-07	5.26E-08	3.07E-08	-2.19E-08	2.43E-08	1.42E-08	-1.01E-08	5.26E-08	3.07E-08	-2.19E-08
3938	497863.1	3853377.25	2.03E-07	1.15E-07	-8.82E-08	4.47E-08	2.58E-08	-1.89E-08	2.06E-08	1.19E-08	-8.73E-09	4.47E-08	2.58E-08	-1.89E-08
3939	498363.1	3853377.25	1.85E-07	1.04E-07	-8.08E-08	4.07E-08	2.34E-08	-1.73E-08	1.88E-08	1.08E-08	-8.01E-09	4.07E-08	2.34E-08	-1.73E-08
3940	471363.1	3853877.25	1.36E-07	7.49E-08	-6.09E-08	2.98E-08	1.68E-08	-1.31E-08	1.38E-08	7.75E-09	-6.04E-09	2.98E-08	1.68E-08	-1.31E-08
3941	471863.1	3853877.25	1.42E-07	7.87E-08	-6.35E-08	3.12E-08	1.76E-08	-1.36E-08	1.44E-08	8.14E-09	-6.29E-09	3.12E-08	1.76E-08	-1.36E-08
3942	472363.1	3853877.25	1.47E-07	8.11E-08	-6.55E-08	3.22E-08	1.82E-08	-1.40E-08	1.49E-08	8.40E-09	-6.49E-09	3.22E-08	1.82E-08	-1.40E-08
3943	472863.1	3853877.25	1.52E-07	8.44E-08	-6.77E-08	3.34E-08	1.89E-08	-1.45E-08	1.54E-08	8.73E-09	-6.71E-09	3.34E-08	1.89E-08	-1.45E-08
3944	473363.1	3853877.25	1.56E-07	8.63E-08	-6.93E-08	3.42E-08	1.93E-08	-1.49E-08	1.58E-08	8.94E-09	-6.87E-09	3.42E-08	1.93E-08	-1.49E-08
3945	473863.1	3853877.25	1.59E-07	8.86E-08	-7.06E-08	3.50E-08	1.98E-08	-1.51E-08	1.62E-08	9.17E-09	-7.00E-09	3.50E-08	1.98E-08	-1.51E-08
3946	474363.1	3853877.25	1.65E-07	9.16E-08	-7.31E-08	3.62E-08	2.05E-08	-1.57E-08	1.67E-08	9.47E-09	-7.24E-09	3.62E-08	2.05E-08	-1.57E-08
3947	474863.1	3853877.25	1.69E-07	9.38E-08	-7.53E-08	3.72E-08	2.10E-08	-1.62E-08	1.72E-08	9.71E-09	-7.47E-09	3.72E-08	2.10E-08	-1.62E-08
3948	475363.1	3853877.25	1.68E-07	9.33E-08	-7.49E-08	3.70E-08	2.09E-08	-1.61E-08	1.71E-08	9.65E-09	-7.43E-09	3.70E-08	2.09E-08	-1.61E-08
3949	475863.1	3853877.25	1.62E-07	8.98E-08	-7.21E-08	3.56E-08	2.01E-08	-1.55E-08	1.64E-08	9.29E-09	-7.15E-09	3.56E-08	2.01E-08	-1.55E-08
3950	476363.1	3853877.25	1.58E-07	8.71E-08	-7.12E-08	3.48E-08	1.95E-08	-1.53E-08	1.61E-08	9.01E-09	-7.06E-09	3.48E-08	1.95E-08	-1.53E-08
3951	476863.1	3853877.25	1.52E-07	8.31E-08	-6.89E-08	3.34E-08	1.86E-08	-1.48E-08	1.54E-08	8.60E-09	-6.83E-09	3.34E-08	1.86E-08	-1.48E-08
3952	477363.1	3853877.25	1.61E-07	8.83E-08	-7.27E-08	3.54E-08	1.98E-08	-1.56E-08	1.63E-08	9.14E-09	-7.21E-09	3.54E-08	1.98E-08	-1.56E-08
3953	477863.1	3853877.25	1.73E-07	9.45E-08	-7.82E-08	3.79E-08	2.12E-08	-1.68E-08	1.75E-08	9.78E-09	-7.75E-09	3.79E-08	2.12E-08	-1.68E-08
3954	478363.1	3853877.25	1.78E-07	9.78E-08	-8.03E-08	3.91E-08	2.19E-08	-1.72E-08	1.81E-08	1.01E-08	-7.97E-09	3.91E-08	2.19E-08	-1.72E-08
3955	478863.1	3853877.25	1.65E-07	9.01E-08	-7.45E-08	3.62E-08	2.02E-08	-1.60E-08	1.67E-08	9.32E-09	-7.39E-09	3.62E-08	2.02E-08	-1.60E-08
3956	479363.1	3853877.25	1.87E-07	1.02E-07	-8.46E-08	4.11E-08	2.29E-08	-1.82E-08	1.90E-08	1.06E-08	-8.39E-09	4.11E-08	2.29E-08	-1.82E-08
3957	479863.1	3853877.25	2.40E-07	1.33E-07	-1.07E-07	5.28E-08	2.98E-08	-2.29E-08	2.44E-08	1.38E-08	-1.06E-08	5.28E-08	2.98E-08	-2.29E-08
3958	480363.1	3853877.25	2.96E-07	1.66E-07	-1.30E-07	6.50E-08	3.71E-08	-2.79E-08	3.01E-08	1.72E-08	-1.29E-08	6.50E-08	3.71E-08	-2.79E-08
3959	480863.1	3853877.25	4.01E-07	2.24E-07	-1.77E-07	8.81E-08	5.02E-08	-3.80E-08	4.07E-08	2.32E-08	-1.76E-08	8.81E-08	5.02E-08	-3.80E-08
3960	481363.1	3853877.25	5.19E-07	2.88E-07	-2.31E-07	1.14E-07	6.45E-08	-4.95E-08	5.27E-08	2.98E-08	-2.29E-08	1.14E-07	6.45E-08	-4.95E-08
3961	481863.1	3853877.25	7.73E-07	4.13E-07	-3.60E-07	1.70E-07	9.25E-08	-7.73E-08	7.85E-08	4.28E-08	-3.57E-08	1.70E-07	9.25E-08	-7.73E-08
3962	482363.1	3853877.25	1.37E-06	7.02E-07	-6.72E-07	3.02E-07	1.57E-07	-1.45E-07	1.39E-07	7.26E-08	-6.69E-08	3.02E-07	1.57E-07	-1.45E-07
3963	482863.1	3853877.25	2.45E-05	8.53E-06	-1.60E-05	5.38E-06	1.91E-06	-3.47E-06	2.49E-06	8.83E-07	-1.60E-06	5.38E-06	1.91E-06	-3.47E-06
3964	483363.1	3853877.25	2.64E-06	1.87E-06	-7.68E-07	5.79E-07	4.18E-07	-1.61E-07	2.68E-07	1.93E-07	-7.43E-08	5.79E-07	4.18E-07	-1.61E-07
3965	483863.1	3853877.25	1.52E-06	1.04E-06	-4.76E-07	3.34E-07	2.34E-07	-1.00E-07	1.54E-07	1.08E-07	-4.63E-08	3.34E-07	2.34E-07	-1.00E-07
3966	484363.1	3853877.25	1.00E-06	6.95E-07	-3.10E-07	2.21E-07	1.56E-07	-6.51E-08	1.02E-07	7.19E-08	-3.01E-08	2.21E-07	1.56E-07	-6.51E-08
3967	484863.1	3853877.25	7.30E-07	4.96E-07	-2.35E-07	1.60E-07	1.11E-07	-4.95E-08	7.42E-08	5.13E-08	-2.29E-08	1.60E-07	1.11E-07	-4.95E-08
3968	485363.1	3853877.25	5.41E-07	3.56E-07	-1.84E-07	1.19E-07	7.98E-08	-3.90E-08	5.49E-08	3.69E-08	-1.80E-08	1.19E-07	7.98E-08	-3.90E-08
3969	485863.1	3853877.25	5.04E-07	3.33E-07	-1.71E-07	1.11E-07	7.45E-08	-3.62E-08	5.12E-08	3.44E-08	-1.67E-08	1.11E-07	7.45E-08	-3.62E-08
3970	486363.1	3853877.25	4.70E-07	3.06E-07	-1.64E-07	1.03E-07	6.85E-08	-3.47E-08	4.77E-08	3.17E-08	-1.60E-08	1.03E-07	6.85E-08	-3.47E-08
3971	486863.1	3853877.25	4.43E-07	2.85E-07	-1.59E-07	9.74E-08	6.37E-08	-3.37E-08	4.50E-08	2.95E-08	-1.56E-08	9.74E-08	6.37E-08	-3.37E-08
3972	487363.1	3853877.25	4.36E-07	2.78E-07	-1.59E-07	9.59E-08	6.22E-08	-3.37E-08	4.43E-08	2.87E-08	-1.56E-08	9.59E-08	6.22E-08	-3.37E-08
3973	487863.1	3853877.25	4.40E-07	2.80E-07	-1.60E-07	9.66E-08	6.27E-08	-3.40E-08	4.47E-08	2.90E-08	-1.57E-08	9.66E-08	6.27E-08	-3.40E-08
3974	488363.1	3853877.25	4.31E-07	2.72E-07	-1.59E-07	9.47E-08	6.09E-08	-3.37E-08	4.38E-08	2.82E-08	-1.56E-08	9.47E-08	6.09E-08	-3.37E-08
3975	488863.1	3853877.25	4.28E-07	2.69E-07	-1.59E-07	9.41E-08	6.03E-08	-3.37E-08	4.35E-08	2.79E-08	-1.56E-08	9.41E-08	6.03E-08	-3.37E-08
3976	489363.1	3853877.25	4.06E-07	2.53E-07	-1.53E-07	8.91E-08	5.66E-08	-3.26E-08	4.12E-08	2.61E-08	-1.51E-08	8.91E-08	5.66E-08	-3.26E-08
3977	489863.1	3853877.25	3.98E-07	2.46E-07	-1.52E-07	8.76E-08	5.51E-08	-3.24E-08	4.05E-08	2.55E-08	-1.50E-08	8.76E-08	5.51E-08	-3.24E-08
3978	490363.1	3853877.25	3.85E-07	2.36E-07	-1.49E-07	8.46E-08	5.28E-08	-3.18E-08	3.91E-08	2.44E-08	-1.47E-08	8.46E-08	5.28E-08	-3.18E-08
3979	490863.1	3853877.25	3.77E-07	2.30E-07	-1.47E-07	8.28E-08	5.14E-08	-3.14E-08	3.83E-08	2.38E-08	-1.45E-08	8.28E-08	5.14E-08	-3.14E-08
3980	491363.1	3853877.25	3.72E-07	2.25E-07	-1.46E-07	8.16E-08	5.04E-08	-3.12E-08	3.77E-08	2.33E-08	-1.44E-08	8.16E-08	5.04E-08	-3.12E-08
3981	491863.1	3853877.25	3.66E-07	2.21E-07	-1.46E-07	8.04E-08	4.94E-08	-3.10E-08	3.72E-08	2.28E-08	-1.43E-08	8.04E-08	4.94E-08	-3.10E-08
3982	492363.1	3853877.25	3.66E-07	2.20E-07	-1.47E-07	8.04E-08	4.92E-08	-3.13E-08	3.72E-08	2.27E-08	-1.45E-08	8.04E-08	4.92E-08	-3.13E-08
3983	492863.1	3853877.25	3.63E-07	2.16E-07	-1.46E-07	7.96E-08	4.84E-08	-3.13E-08	3.68E-08	2.24E-08	-1.44E-08	7.96E-08	4.84E-08	-3.13E-08
3984	493363.1	3853877.25	3.53E-07	2.09E-07	-1.43E-07	7.75E-08	4.69E-08	-3.06E-08	3.58E-08	2.17E-08	-1.41E-08	7.75E-08	4.69E-08	-3.06E-08
3985	493863.1	3853877.25	3.42E-07	2.02E-07	-1.40E-07	7.51E-08	4.52E-08	-2.99E-08	3.47E-08	2.09E-08	-1.38E-08	7.51E-08	4.52E-08	-2.99E-08
3986	494363.1	3853877.25	3.34E-07	1.96E-07	-1.37E-07	7.33E-08	4.39E-08	-2.94E-08	3.39E-08	2.03E-08	-1.36E-08	7.33E-08	4.39E-08	-2.94E-08
3987	494863.1	3853877.25	3.22E-07	1.89E-07	-1.33E-07	7.08E-08	4.22E-08	-2.85E-08	3.27E-08	1.95E-08	-1.32E-08	7.08E-08	4.22E-08	-2.85E-08
3988	495363.1	3853877.25	3.01E-07	1.75E-07	-1.26E-07	6.62E-08	3.93E-08	-2.69E-08	3.06E-08	1.82E-08	-1.24E-08	6.62E-08	3.93E-08	-2.69E-08

3989	495863.1	3853877.25	2.84E-07	1.64E-07	-1.20E-07	6.25E-08	3.68E-08	-2.56E-08	2.89E-08	1.70E-08	-1.18E-08	6.25E-08	3.68E-08	-2.56E-08
3990	496363.1	3853877.25	2.73E-07	1.57E-07	-1.16E-07	5.99E-08	3.52E-08	-2.47E-08	2.77E-08	1.63E-08	-1.14E-08	5.99E-08	3.52E-08	-2.47E-08
3991	496863.1	3853877.25	2.53E-07	1.45E-07	-1.08E-07	5.55E-08	3.24E-08	-2.31E-08	2.57E-08	1.50E-08	-1.07E-08	5.55E-08	3.24E-08	-2.31E-08
3992	497363.1	3853877.25	2.37E-07	1.35E-07	-1.02E-07	5.20E-08	3.02E-08	-2.18E-08	2.40E-08	1.39E-08	-1.01E-08	5.20E-08	3.02E-08	-2.18E-08
3993	497863.1	3853877.25	2.15E-07	1.22E-07	-9.34E-08	4.72E-08	2.72E-08	-2.00E-08	2.18E-08	1.26E-08	-9.25E-09	4.72E-08	2.72E-08	-2.00E-08
3994	498363.1	3853877.25	2.01E-07	1.13E-07	-8.72E-08	4.41E-08	2.54E-08	-1.87E-08	2.04E-08	1.17E-08	-8.63E-09	4.41E-08	2.54E-08	-1.87E-08
3995	471363.1	3854377.25	1.31E-07	7.24E-08	-5.89E-08	2.89E-08	1.62E-08	-1.26E-08	1.33E-08	7.50E-09	-5.84E-09	2.89E-08	1.62E-08	-1.26E-08
3996	471863.1	3854377.25	1.38E-07	7.59E-08	-6.17E-08	3.02E-08	1.70E-08	-1.32E-08	1.40E-08	7.86E-09	-6.12E-09	3.02E-08	1.70E-08	-1.32E-08
3997	472363.1	3854377.25	1.42E-07	7.84E-08	-6.37E-08	3.12E-08	1.76E-08	-1.37E-08	1.44E-08	8.11E-09	-6.32E-09	3.12E-08	1.76E-08	-1.37E-08
3998	472863.1	3854377.25	1.45E-07	8.01E-08	-6.47E-08	3.18E-08	1.79E-08	-1.39E-08	1.47E-08	8.29E-09	-6.41E-09	3.18E-08	1.79E-08	-1.39E-08
3999	473363.1	3854377.25	1.50E-07	8.29E-08	-6.74E-08	3.30E-08	1.86E-08	-1.44E-08	1.53E-08	8.58E-09	-6.68E-09	3.30E-08	1.86E-08	-1.44E-08
4000	473863.1	3854377.25	1.56E-07	8.61E-08	-6.95E-08	3.42E-08	1.93E-08	-1.49E-08	1.58E-08	8.91E-09	-6.89E-09	3.42E-08	1.93E-08	-1.49E-08
4001	474363.1	3854377.25	1.60E-07	8.86E-08	-7.15E-08	3.52E-08	1.98E-08	-1.53E-08	1.63E-08	9.17E-09	-7.09E-09	3.52E-08	1.98E-08	-1.53E-08
4002	474863.1	3854377.25	1.57E-07	8.71E-08	-7.03E-08	3.46E-08	1.95E-08	-1.51E-08	1.60E-08	9.01E-09	-6.97E-09	3.46E-08	1.95E-08	-1.51E-08
4003	475363.1	3854377.25	1.50E-07	8.31E-08	-6.71E-08	3.30E-08	1.86E-08	-1.44E-08	1.53E-08	8.60E-09	-6.65E-09	3.30E-08	1.86E-08	-1.44E-08
4004	475863.1	3854377.25	1.36E-07	7.47E-08	-6.11E-08	2.98E-08	1.67E-08	-1.31E-08	1.38E-08	7.73E-09	-6.06E-09	2.98E-08	1.67E-08	-1.31E-08
4005	476363.1	3854377.25	1.37E-07	7.49E-08	-6.18E-08	3.00E-08	1.68E-08	-1.33E-08	1.39E-08	7.75E-09	-6.13E-09	3.00E-08	1.68E-08	-1.33E-08
4006	476863.1	3854377.25	1.40E-07	7.67E-08	-6.37E-08	3.08E-08	1.72E-08	-1.37E-08	1.42E-08	7.93E-09	-6.32E-09	3.08E-08	1.72E-08	-1.37E-08
4007	477363.1	3854377.25	1.45E-07	7.91E-08	-6.57E-08	3.18E-08	1.77E-08	-1.41E-08	1.47E-08	8.19E-09	-6.51E-09	3.18E-08	1.77E-08	-1.41E-08
4008	477863.1	3854377.25	1.51E-07	8.24E-08	-6.87E-08	3.32E-08	1.84E-08	-1.48E-08	1.53E-08	8.52E-09	-6.82E-09	3.32E-08	1.84E-08	-1.48E-08
4009	478363.1	3854377.25	1.63E-07	8.86E-08	-7.42E-08	3.58E-08	1.98E-08	-1.59E-08	1.65E-08	9.17E-09	-7.37E-09	3.58E-08	1.98E-08	-1.59E-08
4010	478863.1	3854377.25	1.71E-07	9.28E-08	-7.81E-08	3.76E-08	2.08E-08	-1.68E-08	1.74E-08	9.60E-09	-7.75E-09	3.76E-08	2.08E-08	-1.68E-08
4011	479363.1	3854377.25	1.97E-07	1.08E-07	-8.93E-08	4.33E-08	2.41E-08	-1.92E-08	2.00E-08	1.11E-08	-8.86E-09	4.33E-08	2.41E-08	-1.92E-08
4012	479863.1	3854377.25	2.19E-07	1.20E-07	-9.83E-08	4.80E-08	2.69E-08	-2.11E-08	2.22E-08	1.25E-08	-9.74E-09	4.80E-08	2.69E-08	-2.11E-08
4013	480363.1	3854377.25	2.60E-07	1.44E-07	-1.16E-07	5.71E-08	3.22E-08	-2.49E-08	2.64E-08	1.49E-08	-1.15E-08	5.71E-08	3.22E-08	-2.49E-08
4014	480863.1	3854377.25	3.36E-07	1.85E-07	-1.50E-07	7.37E-08	4.14E-08	-3.23E-08	3.41E-08	1.92E-08	-1.49E-08	7.37E-08	4.14E-08	-3.23E-08
4015	481363.1	3854377.25	4.48E-07	2.43E-07	-2.05E-07	9.84E-08	5.44E-08	-4.40E-08	4.55E-08	2.51E-08	-2.04E-08	9.84E-08	5.44E-08	-4.40E-08
4016	481863.1	3854377.25	7.03E-07	3.54E-07	-3.50E-07	1.55E-07	7.92E-08	-7.54E-08	7.14E-08	3.66E-08	-3.48E-08	1.55E-07	7.92E-08	-7.54E-08
4017	482363.1	3854377.25	1.19E-06	5.42E-07	-6.49E-07	2.62E-07	1.21E-07	-1.40E-07	1.21E-07	5.61E-08	-6.49E-08	2.62E-07	1.21E-07	-1.40E-07
4018	482863.1	3854377.25	1.83E-05	5.42E-06	-1.29E-05	4.02E-06	1.21E-06	-2.81E-06	1.86E-06	5.61E-07	-1.30E-06	4.02E-06	1.21E-06	-2.81E-06
4019	483363.1	3854377.25	3.17E-06	2.28E-06	-8.92E-07	6.97E-07	5.11E-07	-1.86E-07	3.22E-07	2.36E-07	-8.62E-08	6.97E-07	5.11E-07	-1.86E-07
4020	483863.1	3854377.25	1.47E-06	2.69E-06	1.21E-06	3.24E-07	6.01E-07	2.78E-07	1.50E-07	2.78E-07	1.28E-07	3.24E-07	6.01E-07	2.78E-07
4021	484363.1	3854377.25	9.59E-07	1.04E-06	8.37E-08	2.11E-07	2.33E-07	2.28E-08	9.74E-08	1.08E-07	1.05E-08	2.11E-07	2.33E-07	2.28E-08
4022	484863.1	3854377.25	7.11E-07	6.26E-07	-8.44E-08	1.56E-07	1.40E-07	-1.59E-08	7.22E-08	6.48E-08	-7.35E-09	1.56E-07	1.40E-07	-1.59E-08
4023	485363.1	3854377.25	6.75E-07	5.63E-07	-1.12E-07	1.48E-07	1.26E-07	-2.22E-08	6.85E-08	5.83E-08	-1.02E-08	1.48E-07	1.26E-07	-2.22E-08
4024	485863.1	3854377.25	5.60E-07	4.30E-07	-1.30E-07	1.23E-07	9.63E-08	-2.68E-08	5.69E-08	4.45E-08	-1.24E-08	1.23E-07	9.63E-08	-2.68E-08
4025	486363.1	3854377.25	5.20E-07	3.86E-07	-1.34E-07	1.14E-07	8.64E-08	-2.78E-08	5.28E-08	4.00E-08	-1.28E-08	1.14E-07	8.64E-08	-2.78E-08
4026	486863.1	3854377.25	4.73E-07	3.37E-07	-1.36E-07	1.04E-07	7.54E-08	-2.86E-08	4.80E-08	3.48E-08	-1.32E-08	1.04E-07	7.54E-08	-2.86E-08
4027	487363.1	3854377.25	4.62E-07	3.20E-07	-1.42E-07	1.02E-07	7.17E-08	-2.99E-08	4.69E-08	3.31E-08	-1.38E-08	1.02E-07	7.17E-08	-2.99E-08
4028	487863.1	3854377.25	4.70E-07	3.18E-07	-1.53E-07	1.03E-07	7.11E-08	-3.23E-08	4.78E-08	3.29E-08	-1.49E-08	1.03E-07	7.11E-08	-3.23E-08
4029	488363.1	3854377.25	4.68E-07	3.09E-07	-1.59E-07	1.03E-07	6.91E-08	-3.37E-08	4.75E-08	3.19E-08	-1.56E-08	1.03E-07	6.91E-08	-3.37E-08
4030	488863.1	3854377.25	4.60E-07	2.98E-07	-1.62E-07	1.01E-07	6.67E-08	-3.43E-08	4.67E-08	3.08E-08	-1.59E-08	1.01E-07	6.67E-08	-3.43E-08
4031	489363.1	3854377.25	4.49E-07	2.86E-07	-1.63E-07	9.86E-08	6.40E-08	-3.46E-08	4.56E-08	2.96E-08	-1.60E-08	9.86E-08	6.40E-08	-3.46E-08
4032	489863.1	3854377.25	4.34E-07	2.73E-07	-1.61E-07	9.55E-08	6.12E-08	-3.43E-08	4.41E-08	2.83E-08	-1.58E-08	9.55E-08	6.12E-08	-3.43E-08
4033	490363.1	3854377.25	4.19E-07	2.61E-07	-1.59E-07	9.21E-08	5.83E-08	-3.38E-08	4.26E-08	2.70E-08	-1.56E-08	9.21E-08	5.83E-08	-3.38E-08
4034	490863.1	3854377.25	3.79E-07	2.32E-07	-1.46E-07	8.32E-08	5.21E-08	-3.11E-08	3.85E-08	2.41E-08	-1.44E-08	8.32E-08	5.21E-08	-3.11E-08
4035	491363.1	3854377.25	3.88E-07	2.36E-07	-1.51E-07	8.52E-08	5.29E-08	-3.22E-08	3.94E-08	2.45E-08	-1.49E-08	8.52E-08	5.29E-08	-3.22E-08
4036	491863.1	3854377.25	3.92E-07	2.37E-07	-1.55E-07	8.62E-08	5.31E-08	-3.31E-08	3.98E-08	2.45E-08	-1.53E-08	8.62E-08	5.31E-08	-3.31E-08
4037	492363.1	3854377.25	3.89E-07	2.33E-07	-1.55E-07	8.54E-08	5.23E-08	-3.31E-08	3.95E-08	2.42E-08	-1.53E-08	8.54E-08	5.23E-08	-3.31E-08
4038	492863.1	3854377.25	3.80E-07	2.27E-07	-1.53E-07	8.34E-08	5.07E-08	-3.27E-08	3.85E-08	2.34E-08	-1.51E-08	8.34E-08	5.07E-08	-3.27E-08
4039	493363.1	3854377.25	3.68E-07	2.18E-07	-1.50E-07	8.08E-08	4.89E-08	-3.19E-08	3.74E-08	2.26E-08	-1.48E-08	8.08E-08	4.89E-08	-3.19E-08
4040	493863.1	3854377.25	3.56E-07	2.10E-07	-1.46E-07	7.83E-08	4.71E-08	-3.12E-08	3.62E-08	2.17E-08	-1.44E-08	7.83E-08	4.71E-08	-3.12E-08
4041	494363.1	3854377.25	3.45E-07	2.02E-07	-1.42E-07	7.57E-08	4.53E-08	-3.04E-08	3.50E-08	2.10E-08	-1.40E-08	7.57E-08	4.53E-08	-3.04E-08
4042	494863.1	3854377.25	3.15E-07	1.84E-07	-1.31E-07	6.92E-08	4.11E-08	-2.81E-08	3.20E-08	1.90E-08	-1.30E-08	6.92E-08	4.11E-08	-2.81E-08
4043	495363.1	3854377.25	2.82E-07	1.64E-07	-1.19E-07	6.21E-08	3.67E-08	-2.54E-08	2.87E-08	1.69E-08	-1.17E-08	6.21E-08	3.67E-08	-2.54E-08
4044	495863.1	3854377.25	2.62E-07	1.51E-07	-1.11E-07	5.75E-08	3.37E-08	-2.38E-08	2.66E-08	1.56E-08	-1.10E-08	5.75E-08	3.37E-08	-2.38E-08
4045	496363.1	3854377.25	2.51E-07	1.44E-07	-1.07E-07	5.51E-08	3.22E-08	-2.30E-08	2.55E-08	1.49E-08	-1.06E-08	5.51E-08	3.22E-08	-2.30E-08
4046	496863.1	3854377.25	2.38E-07	1.35E-07	-1.03E-07	5.24E-08	3.03E-08	-2.20E-08	2.42E-08	1.40E-08	-1.02E-08	5.24E-08	3.03E-08	-2.20E-08
4047	497363.1	3854377.25	2.18E-07	1.23E-07	-9.49E-08	4.78E-08	2.75E-08	-2.03E-08	2.21E-08	1.27E-08	-9.39E-09	4.78E-08	2.75E-08	-2.03E-08
4048	497863.1	3854377.25	2.19E-07	1.24E-07	-9.57E-08	4.82E-08	2.77E-08	-2.05E-08	2.23E-08	1.28E-08	-9.47E-09	4.82E-08	2.77E-08	-2.05E-08
4049	498363.1	3854377.25	2.08E-07	1.17E-07	-9.09E-08	4.57E-08	2.62E-08	-1.95E-08	2.11E-08	1.21E-08	-9.01E-09	4.57E-08	2.62E-08	-1.95E-08
4050	471363.1	3854877.25	1.30E-07	7.15E-08	-5.81E-08	2.85E-08	1.60E-08	-1.25E-08	1.32E-08	7.39E-09	-5.76E-09	2.85E-08	1.60E-08	-1.25E-08
4051	471863.1	3854877.25	1.34E-07	7.39E-08	-6.01E-08	2.94E-08	1.66E-08	-1.29E-08	1.36E-08	7.65E-09	-5.96E-09	2.94E-08	1.66E-08	-1.29E-08
4052	472363.1	3854877.25	1.38E-07	7.59E-08	-6.17E-08	3.02E-08	1.70E-08	-1.32E-08	1.40E-08	7.86E-09	-6.12E-09	3.02E-08	1.70E-08	-1.32E-08
4053	472863.1	3854877.25	1.39E-07	7.64E-08	-6.21E-08	3.04E-08	1.71E-08	-1.33E-08	1.41E-08	7.91E-09	-6.16E-09	3.04E-08	1.71E-08	-1.33E-08
4054	473363.1	3854877.25	1.44E-07	7.94E-08	-6.45E-08	3.16E-08	1.78E-08	-1.38E-08	1.46E-08	8.22E-09	-6.40E-09	3.16E-08	1.78E-08	-1.38E-08
4055	473863.1	3854877.25	1.49E-07	8.24E-08	-6.69E-08	3.28E-08	1.84E-08	-1.44E-08	1.52E-08	8.52E-09	-6.64E-09	3.28E-08	1.84E-08	-1.44E-08
4056	474363.1	3854877.25	1.57E-07	8.63E-08	-7.02E-08	3.44E-08	1.93E-08	-1.51E-08	1.59E-08	8.94E-09	-6.96E-09	3.44E-08	1.93E-08	-1.51E-08
4057	474863.1	3854877.25	1.46E-07	8.04E-08	-6.53E-08	3.20E-08	1.80E-08	-1.40E-08	1.48E-08	8.32E-09	-6.48E-09	3.20E-08	1.80E-08	-1.40E-08
4058	475363.1	3854877.25	1.35E-07	7.39E-08	-6.10E-08	2.96E-08	1.66E-08	-1.31E-08	1.37E-08	7.65E-09	-6.05E-09	2.96E-08	1.66E-08	-1.31E-08
4059	475863.1	3854877.25	1.27E-07	6.92E-08	-5.76E-08	2.79E-08	1.55E-08	-1.24E-08	1.29E-08	7.16E-09	-5.72E-09	2.79E-08	1.55E-08	-1.24E-08
4060	476363.1	3854877.25	1.17E-07	6.33E-08	-5.37E-08	2.57E-08	1.42E-08	-1.15E-08	1.19E-08	6.55E-09	-5.33E-09	2.57E-08	1.42E-08	-1.15E-08
4061	476863.1	3854877.25	1.19E-07	6.45E-08	-5.42E-08	2.61E-08	1.44E-08	-1.16E-08	1.21E-08	6.68E-09	-5.38E-09	2.61E-08	1.44E-08	-1.16E-08
4062	477363.1	3854877.25	1.30E-07	7.02E-08	-5.93E-08	2.85E-08	1.57E-08	-1.27E-08	1.32E-08	7.27E-09	-5.89E-09	2.85E-08	1.57E-08	-1.27E-08
4063	477863.1	3854877.25	1.40E-07	7.62E-08	-6.42E-08	3.08E-08	1.71E-08	-1.38E-08	1.42E-08	7.88E-09	-6.37E-09	3.08E-08	1.71E-08	-1.38E-08
4064	478363.1	3854877.25	1.58E-07	8.61E-08	-7.22E-08	3.48E-08	1.93E-08	-1.55E-08	1.61E-08	8.91E-09	-7.17E-09	3.48E-08	1.93E-08	-1.55E-08
4065	478863.1	3854877.25	1.82E-07	9.90E-08	-8.27E-08	3.99E-08	2.22E-08	-1.78E-08	1.85E-08	1.02E-08	-8.21E-09	3.99E-08	2.22E-08	-1.78E-08
4066	479363.1	3854877.25	2.06E-07	1.13E-07	-9.31E-08	4.53E-08	2.53E-08	-2.00E-08	2.09E-08	1.17E-08	-9.23E-09	4.53E-08	2.53E-08	-2.00E-08
4067	479863.1	3854877.25	2.34E-07	1.29E-07	-1.05E-07	5.14E-08	2.89E-08	-2.25E-08	2.37E-08	1.34E-08	-1.04E-08	5.14E-08	2.89E-08	-2.25E-08
4068	480363.1	3854877.25	2.61E-07	1.45E-07	-1.16E-07	5.73E-08	3.25E-08	-2.48E-08	2.65E-08	1.50E-08	-1.15E-08	5.73E-08	3.25E-08	-2.48E-08
4069	480863.1	3854877.25	3.21E-07	1.78E-07	-1.43E-07	7.06E-08	3.99E-08	-3.06E-08	3.26E-08	1.85E-08	-1.41E-08	7.06E-08	3.99E-08	-3.06E-08
4070	481363.1	3854877.25	3.96E-07	2.15E-07	-1.81E-07	8.70E-08	4.82E-08	-3.88E-08	4.02E-08	2.23E-08	-1.79E-08	8.70E-08	4.82E-08	-3.88E-08
4071	481863.1	3854877.25	4.53E-07	2.42E-07	-2.11E-07	9.96E-08	5.43E-08	-4.53E-08	4.60E-08	2.51E-08	-2.09E-08	9.96E-08	5.43E-08	-4.53E-08
4072	482363.1	3854877.25	9.00E-07	4.01E-07	-4.98E-07	1.98E-07	8.99E-08	-1.08E-07	9.13E-08	4.15E-08	-4.98E-08	1.98E-07	8.99E-08	-1.08E-07
4073	482863.1	3854877.25	2.18E-06	7.95E-07	-1.38E-06	4.78E-07	1.78E-07	-3.00E-07	2.21E-07	8.22E-08	-1.39E-07	4.78E-07	1.78E-07	-3.00E-07
4074	483363.1	3854877.25	1.05E-05	3.17E-06	-7.32E-06	2.30E-06	7.09E-07	-1.60E-06	1.06E-06	3.28E-07	-7.37E-07	2.30E-06	7.09E-07	-1.60E-06
4075	483863.1	3854877.25	2.58E-06	1.23E-06	-1.35E-06	5.67E-07	2.76E-07	-2.90E-07	2.62E-07	1.28E-07	-1.34E-07	5.67E-07	2.76E-07	-2.90E-07
4076	484363.1	3854877.25	1.39E-06	3.57E-06	2.17E-06	3.06E-07	7.99E-07	4.93E-07	1.42E-07	3.69E-07	2.28E-07	3.06E-07	7.99E-07	4.93E-07
4077	484863.1	3854877.25	1.04E-06	2.33E-06	1.28E-06	2.29E-07	5.21E-07	2.92E-07	1.06E-07	2.41E-07	1.35E-07	2.29E-07	5.21E-07	2.92E-07
4078	485363.1	3854877.25	8.46E-07	1.01E-06	1.66E-07	1.86E-07	2.27E-07	4.08E-08	8.59E-08	1.05E-07	1.88E-08	1.86E-07	2.27E-07	4.08E-08
4079	485863.1	3854877.25	7.21E-07	6.76E-07	-4.58E-08	1.59E-07	1.51E-07	-7.22E-09	7.33E-08	6.99E-08	-3.34E-09	1.59E-07	1.51E-07	-7.22E-09
4080	486363.1	3854877.25	6.31E-07	5.19E-07	-1.12E-07	1.39E-07	1.16E-07	-2.25E-08	6.41E-08	5.37E-08	-1.04E-08	1.39E-07	1.16E-07	-2.25E-08
4081	486863.1	3854877.25	5.69E-07	4.33E-07	-1.36E-07	1.25E-07	9.69E-08	-2.82E-08	5.78E-08	4.48E-08	-1.30E-08	1.25E-07	9.69E-08	-2.82E-08
4082	487363.1	3854877.25	5.36E-07	3.90E-07	-1.46E-07	1.18E-07	8.73E-08	-3.05E-08	5.44E-08	4.03E-08	-1.41E-08	1.18E-07	8.73E-08	-3.05E-08
4083	487863.1	3854877.25	5.14E-07	3.60E-07	-1.53E-07	1.13E-07	8.07E-08	-3.22E-08	5.22E-08	3.73E-08	-1.49E-08	1.13E-07	8.07E-08	-3.22E-08
4084	488363.1	3854877.25	5.05E-07	3.42E-07	-1.62E-07	1.11E-07	7.67E-08	-3.42E-08	5.12E-08	3.54E-08	-1.58E-08	1.11E-07	7.67E-08	-3.42E-08
4085	488863.1	3854877.25	5.04E-07	3.32E-07	-1.72E-07	1.11E-07	7.43E-08	-3.64E-08	5.12E-08	3.43E-08	-1.68E-08	1.11E-07	7.43E-08	-3.64E-08
4086	489363.1	3854877.25	4.93E-07	3.17E-07	-1.76E-07	1.08E-07	7.11E-08	-3.72E-08	5.01E-08	3.28E-08	-1.72E-08	1.08E-07	7.11E-08	-3.72E-08
4087	489863.1	3854877.25	4.68E-07	2.97E-07	-1.71E-07	1.03E-07	6.64E-08	-3.63E-08	4.75E-08	3.07E-08	-1.68E-08	1.03E-07	6.64E-08	-3.63E-08
4088	490363.1	3854877.25	4.05E-07	2.53E-07	-1.52E-07	8.89E-08	5.66E-08	-3.23E-08	4.11E-08	2.62E-08	-1.49E-08	8.89E-08	5.66E-08	-3.23E-08
4089	490863.1	3854877.25	3.47E-07	2.11E-07	-1.37E-07	7.63E-08	4.72E-08	-2.91E-08	3.53E-08	2.18E-08	-1.35E-08	7.63E-08	4.72E-08	-2.91E-08
4090	491363.1	3854877.25	3.55E-07	2.15E-07	-1.40E-07	7.81E-08	4.82E-08	-2.98E-08	3.61E-08	2.23E-08	-1.38E-08	7.81E-08	4.82E-08	-2.98E-08
4091	491863.1	3854877.25	4.16E-07	2.52E-07	-1.64E-07	9.13E-08	5.64E-08	-3.49E-08	4.22E-08	2.61E-08	-1.61E-08	9.13E-08	5.64E-08	-3.49E-08
4092	492363.1	3854877.25	4.13E-07	2.48E-07	-1.65E-07	9.07E-08	5.54E-08	-3.53E-08	4.19E-08	2.56E-08	-1.63E-08	9.07E-08	5.54E-08	-3.53E-08
4093	492863.1	3854877.25	3.99E-07	2.38E-07	-1.61E-07	8.78E-08	5.33E-08	-3.45E-08	4.06E-08	2.46E-08	-1.59E-08	8.78E-08	5.33E-08	-3.45E-08

4094	493363.1	3854877.25	3.82E-07	2.27E-07	-1.56E-07	8.40E-08	5.08E-08	-3.32E-08	3.88E-08	2.35E-08	-1.54E-08	8.40E-08	5.08E-08	-3.32E-08
4095	493863.1	3854877.25	3.69E-07	2.18E-07	-1.51E-07	8.10E-08	4.88E-08	-3.23E-08	3.74E-08	2.25E-08	-1.49E-08	8.10E-08	4.88E-08	-3.23E-08
4096	494363.1	3854877.25	3.27E-07	1.92E-07	-1.35E-07	7.17E-08	4.29E-08	-2.89E-08	3.32E-08	1.98E-08	-1.33E-08	7.17E-08	4.29E-08	-2.89E-08
4097	494863.1	3854877.25	2.85E-07	1.65E-07	-1.20E-07	6.27E-08	3.69E-08	-2.57E-08	2.90E-08	1.71E-08	-1.19E-08	6.27E-08	3.69E-08	-2.57E-08
4098	495363.1	3854877.25	2.59E-07	1.48E-07	-1.11E-07	5.69E-08	3.32E-08	-2.37E-08	2.63E-08	1.54E-08	-1.10E-08	5.69E-08	3.32E-08	-2.37E-08
4099	495863.1	3854877.25	2.45E-07	1.39E-07	-1.05E-07	5.38E-08	3.12E-08	-2.26E-08	2.48E-08	1.44E-08	-1.04E-08	5.38E-08	3.12E-08	-2.26E-08
4100	496363.1	3854877.25	2.25E-07	1.27E-07	-9.81E-08	4.94E-08	2.84E-08	-2.10E-08	2.28E-08	1.31E-08	-9.71E-09	4.94E-08	2.84E-08	-2.10E-08
4101	496863.1	3854877.25	2.12E-07	1.19E-07	-9.29E-08	4.66E-08	2.67E-08	-1.99E-08	2.16E-08	1.24E-08	-9.21E-09	4.66E-08	2.67E-08	-1.99E-08
4102	497363.1	3854877.25	2.09E-07	1.17E-07	-9.16E-08	4.59E-08	2.62E-08	-1.96E-08	2.12E-08	1.21E-08	-9.07E-09	4.59E-08	2.62E-08	-1.96E-08
4103	497863.1	3854877.25	2.16E-07	1.21E-07	-9.48E-08	4.74E-08	2.71E-08	-2.03E-08	2.19E-08	1.25E-08	-9.39E-09	4.74E-08	2.71E-08	-2.03E-08
4104	498363.1	3854877.25	2.13E-07	1.19E-07	-9.38E-08	4.68E-08	2.67E-08	-2.01E-08	2.16E-08	1.24E-08	-9.30E-09	4.68E-08	2.67E-08	-2.01E-08
4105	471363.1	3855377.25	1.27E-07	7.02E-08	-5.66E-08	2.79E-08	1.57E-08	-1.21E-08	1.29E-08	7.27E-09	-5.61E-09	2.79E-08	1.57E-08	-1.21E-08
4106	471863.1	3855377.25	1.30E-07	7.17E-08	-5.78E-08	2.85E-08	1.61E-08	-1.24E-08	1.32E-08	7.42E-09	-5.73E-09	2.85E-08	1.61E-08	-1.24E-08
4107	472363.1	3855377.25	1.34E-07	7.42E-08	-5.98E-08	2.94E-08	1.66E-08	-1.28E-08	1.36E-08	7.68E-09	-5.93E-09	2.94E-08	1.66E-08	-1.28E-08
4108	472863.1	3855377.25	1.36E-07	7.52E-08	-6.07E-08	2.98E-08	1.68E-08	-1.30E-08	1.38E-08	7.78E-09	-6.01E-09	2.98E-08	1.68E-08	-1.30E-08
4109	473363.1	3855377.25	1.42E-07	7.87E-08	-6.35E-08	3.12E-08	1.76E-08	-1.36E-08	1.44E-08	8.14E-09	-6.29E-09	3.12E-08	1.76E-08	-1.36E-08
4110	473863.1	3855377.25	1.48E-07	8.16E-08	-6.59E-08	3.24E-08	1.83E-08	-1.41E-08	1.50E-08	8.45E-09	-6.53E-09	3.24E-08	1.83E-08	-1.41E-08
4111	474363.1	3855377.25	1.52E-07	8.41E-08	-6.79E-08	3.34E-08	1.88E-08	-1.46E-08	1.54E-08	8.70E-09	-6.73E-09	3.34E-08	1.88E-08	-1.46E-08
4112	474863.1	3855377.25	1.42E-07	7.87E-08	-6.35E-08	3.12E-08	1.76E-08	-1.36E-08	1.44E-08	8.14E-09	-6.29E-09	3.12E-08	1.76E-08	-1.36E-08
4113	475363.1	3855377.25	1.15E-07	6.30E-08	-5.21E-08	2.53E-08	1.41E-08	-1.12E-08	1.17E-08	6.52E-09	-5.17E-09	2.53E-08	1.41E-08	-1.12E-08
4114	475863.1	3855377.25	1.11E-07	6.00E-08	-5.06E-08	2.43E-08	1.34E-08	-1.09E-08	1.12E-08	6.21E-09	-5.02E-09	2.43E-08	1.34E-08	-1.09E-08
4115	476363.1	3855377.25	1.18E-07	6.40E-08	-5.38E-08	2.59E-08	1.43E-08	-1.16E-08	1.20E-08	6.62E-09	-5.34E-09	2.59E-08	1.43E-08	-1.16E-08
4116	476863.1	3855377.25	1.21E-07	6.53E-08	-5.53E-08	2.65E-08	1.46E-08	-1.19E-08	1.22E-08	6.75E-09	-5.49E-09	2.65E-08	1.46E-08	-1.19E-08
4117	477363.1	3855377.25	1.27E-07	6.87E-08	-5.81E-08	2.79E-08	1.54E-08	-1.25E-08	1.29E-08	7.11E-09	-5.77E-09	2.79E-08	1.54E-08	-1.25E-08
4118	477863.1	3855377.25	1.40E-07	7.62E-08	-6.42E-08	3.08E-08	1.71E-08	-1.38E-08	1.42E-08	7.88E-09	-6.37E-09	3.08E-08	1.71E-08	-1.38E-08
4119	478363.1	3855377.25	1.56E-07	8.49E-08	-7.08E-08	3.42E-08	1.90E-08	-1.52E-08	1.58E-08	8.78E-09	-7.02E-09	3.42E-08	1.90E-08	-1.52E-08
4120	478863.1	3855377.25	1.73E-07	9.43E-08	-7.84E-08	3.79E-08	2.11E-08	-1.68E-08	1.75E-08	9.76E-09	-7.78E-09	3.79E-08	2.11E-08	-1.68E-08
4121	479363.1	3855377.25	1.92E-07	1.06E-07	-8.63E-08	4.23E-08	2.38E-08	-1.85E-08	1.95E-08	1.10E-08	-8.56E-09	4.23E-08	2.38E-08	-1.85E-08
4122	479863.1	3855377.25	2.15E-07	1.19E-07	-9.56E-08	4.72E-08	2.67E-08	-2.05E-08	2.18E-08	1.24E-08	-9.48E-09	4.72E-08	2.67E-08	-2.05E-08
4123	480363.1	3855377.25	2.51E-07	1.41E-07	-1.10E-07	5.51E-08	3.16E-08	-2.36E-08	2.55E-08	1.46E-08	-1.09E-08	5.51E-08	3.16E-08	-2.36E-08
4124	480863.1	3855377.25	3.09E-07	1.71E-07	-1.38E-07	6.80E-08	3.83E-08	-2.97E-08	3.14E-08	1.77E-08	-1.37E-08	6.80E-08	3.83E-08	-2.97E-08
4125	481363.1	3855377.25	3.97E-07	2.09E-07	-1.88E-07	8.72E-08	4.68E-08	-4.04E-08	4.03E-08	2.16E-08	-1.87E-08	8.72E-08	4.68E-08	-4.04E-08
4126	481863.1	3855377.25	5.07E-07	2.51E-07	-2.56E-07	1.11E-07	5.62E-08	-5.52E-08	5.15E-08	2.60E-08	-2.55E-08	1.11E-07	5.62E-08	-5.52E-08
4127	482363.1	3855377.25	6.67E-07	3.06E-07	-3.60E-07	1.46E-07	6.86E-08	-7.79E-08	6.77E-08	3.17E-08	-3.60E-08	1.46E-07	6.86E-08	-7.79E-08
4128	482863.1	3855377.25	9.88E-07	4.13E-07	-5.75E-07	2.17E-07	9.24E-08	-1.25E-07	1.00E-07	4.27E-08	-5.76E-08	2.17E-07	9.24E-08	-1.25E-07
4129	483363.1	3855377.25	2.19E-06	7.73E-07	-1.42E-06	4.82E-07	1.73E-07	-3.09E-07	2.23E-07	8.00E-08	-1.43E-07	4.82E-07	1.73E-07	-3.09E-07
4130	483863.1	3855377.25	1.42E-05	4.14E-06	-1.01E-05	3.12E-06	9.27E-07	-2.19E-06	1.44E-06	4.29E-07	-1.01E-06	3.12E-06	9.27E-07	-2.19E-06
4131	484363.1	3855377.25	2.83E-06	1.12E-06	-1.71E-06	6.22E-07	2.51E-07	-3.71E-07	2.87E-07	1.16E-07	-1.71E-07	6.22E-07	2.51E-07	-3.71E-07
4132	484863.1	3855377.25	1.70E-06	1.40E-06	-3.02E-07	3.74E-07	3.13E-07	-6.05E-08	1.73E-07	1.45E-07	-2.80E-08	3.74E-07	3.13E-07	-6.05E-08
4133	485363.1	3855377.25	1.22E-06	2.49E-06	1.27E-06	2.67E-07	5.57E-07	2.89E-07	1.24E-07	2.57E-07	1.34E-07	2.67E-07	5.57E-07	2.89E-07
4134	485863.1	3855377.25	9.69E-07	1.05E-06	8.35E-08	2.13E-07	2.36E-07	2.28E-08	9.84E-08	1.09E-07	1.05E-08	2.13E-07	2.36E-07	2.28E-08
4135	486363.1	3855377.25	8.00E-07	7.07E-07	-9.28E-08	1.76E-07	1.58E-07	-1.74E-08	8.12E-08	7.32E-08	-8.05E-09	1.76E-07	1.58E-07	-1.74E-08
4136	486863.1	3855377.25	6.93E-07	5.47E-07	-1.45E-07	1.52E-07	1.23E-07	-2.96E-08	7.03E-08	5.66E-08	-1.37E-08	1.52E-07	1.23E-07	-2.96E-08
4137	487363.1	3855377.25	6.55E-07	4.85E-07	-1.70E-07	1.44E-07	1.09E-07	-3.53E-08	6.65E-08	5.02E-08	-1.63E-08	1.44E-07	1.09E-07	-3.53E-08
4138	487863.1	3855377.25	6.17E-07	4.36E-07	-1.81E-07	1.36E-07	9.77E-08	-3.79E-08	6.27E-08	4.52E-08	-1.75E-08	1.36E-07	9.77E-08	-3.79E-08
4139	488363.1	3855377.25	5.85E-07	3.98E-07	-1.86E-07	1.28E-07	8.92E-08	-3.92E-08	5.94E-08	4.12E-08	-1.81E-08	1.28E-07	8.92E-08	-3.92E-08
4140	488863.1	3855377.25	5.60E-07	3.70E-07	-1.90E-07	1.23E-07	8.28E-08	-4.03E-08	5.69E-08	3.83E-08	-1.86E-08	1.23E-07	8.28E-08	-4.03E-08
4141	489363.1	3855377.25	5.38E-07	3.46E-07	-1.92E-07	1.18E-07	7.76E-08	-4.06E-08	5.46E-08	3.58E-08	-1.88E-08	1.18E-07	7.76E-08	-4.06E-08
4142	489863.1	3855377.25	5.12E-07	3.25E-07	-1.87E-07	1.12E-07	7.27E-08	-3.98E-08	5.20E-08	3.36E-08	-1.84E-08	1.12E-07	7.27E-08	-3.98E-08
4143	490363.1	3855377.25	5.04E-07	3.13E-07	-1.91E-07	1.11E-07	7.00E-08	-4.07E-08	5.12E-08	3.24E-08	-1.88E-08	1.11E-07	7.00E-08	-4.07E-08
4144	490863.1	3855377.25	4.01E-07	2.49E-07	-1.53E-07	8.81E-08	5.57E-08	-3.25E-08	4.07E-08	2.57E-08	-1.50E-08	8.81E-08	5.57E-08	-3.25E-08
4145	491363.1	3855377.25	3.72E-07	2.27E-07	-1.46E-07	8.18E-08	5.07E-08	-3.11E-08	3.78E-08	2.34E-08	-1.44E-08	8.18E-08	5.07E-08	-3.11E-08
4146	491863.1	3855377.25	4.43E-07	2.67E-07	-1.75E-07	9.72E-08	5.99E-08	-3.73E-08	4.49E-08	2.77E-08	-1.73E-08	9.72E-08	5.99E-08	-3.73E-08
4147	492363.1	3855377.25	4.36E-07	2.61E-07	-1.76E-07	9.59E-08	5.83E-08	-3.75E-08	4.43E-08	2.70E-08	-1.73E-08	9.59E-08	5.83E-08	-3.75E-08
4148	492863.1	3855377.25	4.18E-07	2.49E-07	-1.70E-07	9.19E-08	5.57E-08	-3.62E-08	4.25E-08	2.57E-08	-1.67E-08	9.19E-08	5.57E-08	-3.62E-08
4149	493363.1	3855377.25	3.89E-07	2.31E-07	-1.58E-07	8.54E-08	5.17E-08	-3.37E-08	3.95E-08	2.39E-08	-1.56E-08	8.54E-08	5.17E-08	-3.37E-08
4150	493863.1	3855377.25	3.45E-07	2.03E-07	-1.42E-07	7.59E-08	4.56E-08	-3.03E-08	3.51E-08	2.11E-08	-1.40E-08	7.59E-08	4.56E-08	-3.03E-08
4151	494363.1	3855377.25	3.02E-07	1.75E-07	-1.27E-07	6.64E-08	3.92E-08	-2.72E-08	3.07E-08	1.81E-08	-1.26E-08	6.64E-08	3.92E-08	-2.72E-08
4152	494863.1	3855377.25	2.65E-07	1.51E-07	-1.14E-07	5.83E-08	3.39E-08	-2.44E-08	2.69E-08	1.57E-08	-1.13E-08	5.83E-08	3.39E-08	-2.44E-08
4153	495363.1	3855377.25	2.40E-07	1.36E-07	-1.04E-07	5.28E-08	3.04E-08	-2.24E-08	2.44E-08	1.40E-08	-1.03E-08	5.28E-08	3.04E-08	-2.24E-08
4154	495863.1	3855377.25	2.22E-07	1.25E-07	-9.74E-08	4.88E-08	2.79E-08	-2.09E-08	2.26E-08	1.29E-08	-9.65E-09	4.88E-08	2.79E-08	-2.09E-08
4155	496363.1	3855377.25	2.19E-07	1.22E-07	-9.63E-08	4.80E-08	2.74E-08	-2.06E-08	2.22E-08	1.27E-08	-9.54E-09	4.80E-08	2.74E-08	-2.06E-08
4156	496863.1	3855377.25	2.15E-07	1.20E-07	-9.49E-08	4.72E-08	2.69E-08	-2.03E-08	2.18E-08	1.24E-08	-9.40E-09	4.72E-08	2.69E-08	-2.03E-08
4157	497363.1	3855377.25	2.15E-07	1.20E-07	-9.47E-08	4.72E-08	2.69E-08	-2.03E-08	2.18E-08	1.25E-08	-9.38E-09	4.72E-08	2.69E-08	-2.03E-08
4158	497863.1	3855377.25	2.19E-07	1.22E-07	-9.72E-08	4.82E-08	2.74E-08	-2.08E-08	2.23E-08	1.27E-08	-9.63E-09	4.82E-08	2.74E-08	-2.08E-08
4159	498363.1	3855377.25	2.24E-07	1.25E-07	-9.89E-08	4.92E-08	2.80E-08	-2.12E-08	2.27E-08	1.29E-08	-9.80E-09	4.92E-08	2.80E-08	-2.12E-08
4160	471363.1	3855877.25	1.24E-07	6.87E-08	-5.54E-08	2.73E-08	1.54E-08	-1.19E-08	1.26E-08	7.11E-09	-5.49E-09	2.73E-08	1.54E-08	-1.19E-08
4161	471863.1	3855877.25	1.27E-07	7.05E-08	-5.64E-08	2.79E-08	1.58E-08	-1.21E-08	1.29E-08	7.29E-09	-5.59E-09	2.79E-08	1.58E-08	-1.21E-08
4162	472363.1	3855877.25	1.32E-07	7.34E-08	-5.88E-08	2.91E-08	1.64E-08	-1.26E-08	1.34E-08	7.60E-09	-5.83E-09	2.91E-08	1.64E-08	-1.26E-08
4163	472863.1	3855877.25	1.33E-07	7.39E-08	-5.92E-08	2.93E-08	1.66E-08	-1.27E-08	1.35E-08	7.65E-09	-5.87E-09	2.93E-08	1.66E-08	-1.27E-08
4164	473363.1	3855877.25	1.39E-07	7.77E-08	-6.18E-08	3.06E-08	1.74E-08	-1.32E-08	1.42E-08	8.04E-09	-6.12E-09	3.06E-08	1.74E-08	-1.32E-08
4165	473863.1	3855877.25	1.45E-07	8.06E-08	-6.42E-08	3.18E-08	1.81E-08	-1.38E-08	1.47E-08	8.34E-09	-6.36E-09	3.18E-08	1.81E-08	-1.38E-08
4166	474363.1	3855877.25	1.48E-07	8.26E-08	-6.58E-08	3.26E-08	1.85E-08	-1.41E-08	1.51E-08	8.55E-09	-6.52E-09	3.26E-08	1.85E-08	-1.41E-08
4167	474863.1	3855877.25	1.36E-07	7.57E-08	-6.02E-08	2.98E-08	1.69E-08	-1.29E-08	1.38E-08	7.83E-09	-5.96E-09	2.98E-08	1.69E-08	-1.29E-08
4168	475363.1	3855877.25	1.19E-07	6.53E-08	-5.35E-08	2.61E-08	1.46E-08	-1.15E-08	1.21E-08	6.75E-09	-5.30E-09	2.61E-08	1.46E-08	-1.15E-08
4169	475863.1	3855877.25	9.89E-08	5.38E-08	-4.51E-08	2.17E-08	1.21E-08	-9.68E-09	1.00E-08	5.57E-09	-4.48E-09	2.17E-08	1.21E-08	-9.68E-09
4170	476363.1	3855877.25	1.03E-07	5.58E-08	-4.67E-08	2.25E-08	1.25E-08	-1.00E-08	1.04E-08	5.78E-09	-4.64E-09	2.25E-08	1.25E-08	-1.00E-08
4171	476863.1	3855877.25	1.17E-07	6.35E-08	-5.34E-08	2.57E-08	1.42E-08	-1.15E-08	1.19E-08	6.57E-09	-5.30E-09	2.57E-08	1.42E-08	-1.15E-08
4172	477363.1	3855877.25	1.27E-07	6.90E-08	-5.79E-08	2.79E-08	1.54E-08	-1.24E-08	1.29E-08	7.14E-09	-5.74E-09	2.79E-08	1.54E-08	-1.24E-08
4173	477863.1	3855877.25	1.37E-07	7.47E-08	-6.20E-08	3.00E-08	1.67E-08	-1.33E-08	1.39E-08	7.73E-09	-6.16E-09	3.00E-08	1.67E-08	-1.33E-08
4174	478363.1	3855877.25	1.51E-07	8.29E-08	-6.83E-08	3.32E-08	1.86E-08	-1.46E-08	1.53E-08	8.58E-09	-6.77E-09	3.32E-08	1.86E-08	-1.46E-08
4175	478863.1	3855877.25	1.67E-07	9.23E-08	-7.50E-08	3.68E-08	2.07E-08	-1.61E-08	1.70E-08	9.55E-09	-7.44E-09	3.68E-08	2.07E-08	-1.61E-08
4176	479363.1	3855877.25	1.88E-07	1.05E-07	-8.33E-08	4.13E-08	2.34E-08	-1.79E-08	1.91E-08	1.08E-08	-8.25E-09	4.13E-08	2.34E-08	-1.79E-08
4177	479863.1	3855877.25	2.09E-07	1.17E-07	-9.16E-08	4.59E-08	2.62E-08	-1.96E-08	2.12E-08	1.21E-08	-9.07E-09	4.59E-08	2.62E-08	-1.96E-08
4178	480363.1	3855877.25	2.39E-07	1.35E-07	-1.05E-07	5.26E-08	3.02E-08	-2.24E-08	2.43E-08	1.39E-08	-1.04E-08	5.26E-08	3.02E-08	-2.24E-08
4179	480863.1	3855877.25	2.82E-07	1.57E-07	-1.25E-07	6.21E-08	3.52E-08	-2.68E-08	2.87E-08	1.63E-08	-1.24E-08	6.21E-08	3.52E-08	-2.68E-08
4180	481363.1	3855877.25	3.05E-07	1.69E-07	-1.36E-07	6.70E-08	3.79E-08	-2.91E-08	3.10E-08	1.75E-08	-1.35E-08	6.70E-08	3.79E-08	-2.91E-08
4181	481863.1	3855877.25	4.34E-07	2.18E-07	-2.17E-07	9.55E-08	4.88E-08	-4.67E-08	4.41E-08	2.25E-08	-2.16E-08	9.55E-08	4.88E-08	-4.67E-08
4182	482363.1	3855877.25	5.31E-07	2.50E-07	-2.80E-07	1.17E-07	5.61E-08	-6.05E-08	5.39E-08	2.59E-08	-2.80E-08	1.17E-07	5.61E-08	-6.05E-08
4183	482863.1	3855877.25	6.70E-07	3.00E-07	-3.70E-07	1.47E-07	6.71E-08	-8.01E-08	6.80E-08	3.10E-08	-3.70E-08	1.47E-07	6.71E-08	-8.01E-08
4184	483363.1	3855877.25	9.55E-07	3.93E-07	-5.62E-07	2.10E-07	8.81E-08	-1.22E-07	9.70E-08	4.07E-08	-5.63E-08	2.10E-07	8.81E-08	-1.22E-07
4185	483863.1	3855877.25	1.97E-06	6.99E-07	-1.27E-06	4.33E-07	1.56E-07	-2.77E-07	2.00E-07	7.23E-08	-1.28E-07	4.33E-07	1.56E-07	-2.77E-07
4186	484363.1	3855877.25	2.30E-05	6.54E-06	-1.64E-05	5.05E-06	1.46E-06	-3.58E-06	2.33E-06	6.77E-07	-1.66E-06	5.05E-06	1.46E-06	-3.58E-06
4187	484863.1	3855877.25	3.60E-06	1.30E-06	-2.30E-06	7.92E-07	2.91E-07	-5.01E-07	3.66E-07	1.34E-07	-2.31E-07	7.92E-07	2.91E-07	-5.01E-07
4188	485363.1	3855877.25	2.00E-06	1.37E-06	-6.30E-07	4.39E-07	3.06E-07	-1.33E-07	2.03E-07	1.41E-07	-6.13E-08	4.39E-07	3.06E-07	-1.33E-07
4189	485863.1	3855877.25	1.37E-06	2.75E-06	1.38E-06	3.01E-07	6.16E-07	3.15E-07	1.39E-07	2.85E-07	1.46E-07	3.01E-07	6.16E-07	3.15E-07
4190	486363.1	3855877.25	1.03E-06	1.06E-06	2.62E-08	2.26E-07	2.36E-07	1.02E-08	1.04E-07	1.09E-07	4.71E-09	2.26E-07	2.36E-07	1.02E-08
4191	486863.1	3855877.25	8.64E-07	7.27E-07	-1.37E-07	1.90E-07	1.63E-07	-2.70E-08	8.77E-08	7.52E-08	-1.25E-08	1.90E-07	1.63E-07	-2.70E-08
4192	487363.1	3855877.25	7.99E-07	6.09E-07	-1.90E-07	1.76E-07	1.36E-07	-3.91E-08	8.11E-08	6.30E-08	-1.81E-08	1.76E-07	1.36E-07	-3.91E-08
4193	487863.1	3855877.25	7.49E-07	5.33E-07	-2.16E-07	1.65E-07	1.19E-07	-4.53E-08	7.61E-08	5.52E-08	-2.09E-08	1.65E-07	1.19E-07	-4.53E-08
4194	488363.1	3855877.25	6.98E-07	4.73E-07	-2.25E-07	1.53E-07	1.06E-07	-4.75E-08	7.09E-08	4.89E-08	-2.20E-08	1.53E-07	1.06E-07	-4.75E-08
4195	488863.1	3855877.25	6.54E-07	4.27E-07	-2.27E-07	1.44E-07	9.56E-08	-4.81E-08	6.64E-08	4.42E-08	-2.22E-08	1.44E-07	9.56E-08	-4.81E-08
4196	489363.1	3855877.25	6.13E-07	3.90E-07	-2.24E-07	1.35E-07	8.73E-08	-4.75E-08	6.23E-08	4.03E-08	-2.20E-08	1.35E-07	8.73E-08	-4.75E-08
4197	489863.1	3855877.25	5.80E-07	3.61E-07	-2.19E-07	1.27E-07	8.08E-08	-4.66E-08	5.89E-08	3.74E-08	-2.16E-08	1.27E-07	8.08E-08	-4.66E-08
4198	490363.1	3855877.25	5.56E-07	3.40E-07	-2.16E-07	1.22E-07	7.61E-08	-4.61E-08	5.64E-08	3.52E-08	-2.13E-08	1.22E-07	7.61E-08	-4.61E-08

4199	490863.1	3855877.25	5.22E-07	3.17E-07	-2.04E-07	1.15E-07	7.11E-08	-4.36E-08	5.30E-08	3.28E-08	-2.01E-08	1.15E-07	7.11E-08	-4.36E-08
4200	491363.1	3855877.25	4.69E-07	2.87E-07	-1.82E-07	1.03E-07	6.42E-08	-3.88E-08	4.76E-08	2.97E-08	-1.79E-08	1.03E-07	6.42E-08	-3.88E-08
4201	491863.1	3855877.25	4.86E-07	2.89E-07	-1.97E-07	1.07E-07	6.47E-08	-4.20E-08	4.93E-08	2.99E-08	-1.94E-08	1.07E-07	6.47E-08	-4.20E-08
4202	492363.1	3855877.25	4.60E-07	2.73E-07	-1.87E-07	1.01E-07	6.11E-08	-3.99E-08	4.67E-08	2.82E-08	-1.85E-08	1.01E-07	6.11E-08	-3.99E-08
4203	492863.1	3855877.25	4.37E-07	2.58E-07	-1.79E-07	9.61E-08	5.78E-08	-3.83E-08	4.44E-08	2.67E-08	-1.77E-08	9.61E-08	5.78E-08	-3.83E-08
4204	493363.1	3855877.25	3.80E-07	2.25E-07	-1.56E-07	8.36E-08	5.03E-08	-3.33E-08	3.86E-08	2.32E-08	-1.54E-08	8.36E-08	5.03E-08	-3.33E-08
4205	493863.1	3855877.25	3.27E-07	1.90E-07	-1.37E-07	7.19E-08	4.26E-08	-2.94E-08	3.32E-08	1.97E-08	-1.36E-08	7.19E-08	4.26E-08	-2.94E-08
4206	494363.1	3855877.25	2.83E-07	1.62E-07	-1.22E-07	6.23E-08	3.62E-08	-2.61E-08	2.88E-08	1.67E-08	-1.21E-08	6.23E-08	3.62E-08	-2.61E-08
4207	494863.1	3855877.25	2.55E-07	1.43E-07	-1.11E-07	5.59E-08	3.21E-08	-2.39E-08	2.58E-08	1.48E-08	-1.10E-08	5.59E-08	3.21E-08	-2.39E-08
4208	495363.1	3855877.25	2.25E-07	1.25E-07	-9.96E-08	4.94E-08	2.81E-08	-2.14E-08	2.28E-08	1.30E-08	-9.87E-09	4.94E-08	2.81E-08	-2.14E-08
4209	495863.1	3855877.25	2.21E-07	1.23E-07	-9.82E-08	4.86E-08	2.76E-08	-2.11E-08	2.25E-08	1.27E-08	-9.73E-09	4.86E-08	2.76E-08	-2.11E-08
4210	496363.1	3855877.25	2.19E-07	1.22E-07	-9.70E-08	4.80E-08	2.72E-08	-2.08E-08	2.22E-08	1.26E-08	-9.61E-09	4.80E-08	2.72E-08	-2.08E-08
4211	496863.1	3855877.25	2.20E-07	1.23E-07	-9.78E-08	4.84E-08	2.74E-08	-2.10E-08	2.24E-08	1.27E-08	-9.69E-09	4.84E-08	2.74E-08	-2.10E-08
4212	497363.1	3855877.25	2.23E-07	1.24E-07	-9.90E-08	4.90E-08	2.78E-08	-2.12E-08	2.27E-08	1.28E-08	-9.81E-09	4.90E-08	2.78E-08	-2.12E-08
4213	497863.1	3855877.25	2.28E-07	1.27E-07	-1.02E-07	5.02E-08	2.84E-08	-2.18E-08	2.32E-08	1.31E-08	-1.01E-08	5.02E-08	2.84E-08	-2.18E-08
4214	498363.1	3855877.25	2.39E-07	1.33E-07	-1.06E-07	5.26E-08	2.99E-08	-2.27E-08	2.43E-08	1.38E-08	-1.05E-08	5.26E-08	2.99E-08	-2.27E-08
4215	471363.1	3856377.25	1.19E-07	6.60E-08	-5.27E-08	2.61E-08	1.48E-08	-1.13E-08	1.21E-08	6.83E-09	-5.23E-09	2.61E-08	1.48E-08	-1.13E-08
4216	471863.1	3856377.25	1.21E-07	6.75E-08	-5.39E-08	2.67E-08	1.51E-08	-1.16E-08	1.23E-08	6.98E-09	-5.35E-09	2.67E-08	1.51E-08	-1.16E-08
4217	472363.1	3856377.25	1.27E-07	7.05E-08	-5.64E-08	2.79E-08	1.58E-08	-1.21E-08	1.29E-08	7.29E-09	-5.59E-09	2.79E-08	1.58E-08	-1.21E-08
4218	472863.1	3856377.25	1.31E-07	7.32E-08	-5.81E-08	2.89E-08	1.64E-08	-1.25E-08	1.33E-08	7.57E-09	-5.76E-09	2.89E-08	1.64E-08	-1.25E-08
4219	473363.1	3856377.25	1.36E-07	7.57E-08	-6.02E-08	2.98E-08	1.69E-08	-1.29E-08	1.38E-08	7.83E-09	-5.96E-09	2.98E-08	1.69E-08	-1.29E-08
4220	473863.1	3856377.25	1.43E-07	7.96E-08	-6.34E-08	3.14E-08	1.78E-08	-1.36E-08	1.45E-08	8.24E-09	-6.28E-09	3.14E-08	1.78E-08	-1.36E-08
4221	474363.1	3856377.25	1.42E-07	7.94E-08	-6.27E-08	3.12E-08	1.78E-08	-1.34E-08	1.44E-08	8.22E-09	-6.22E-09	3.12E-08	1.78E-08	-1.34E-08
4222	474863.1	3856377.25	1.38E-07	7.72E-08	-6.05E-08	3.02E-08	1.73E-08	-1.30E-08	1.40E-08	7.99E-09	-5.99E-09	3.02E-08	1.73E-08	-1.30E-08
4223	475363.1	3856377.25	1.28E-07	7.15E-08	-5.63E-08	2.81E-08	1.60E-08	-1.21E-08	1.30E-08	7.39E-09	-5.58E-09	2.81E-08	1.60E-08	-1.21E-08
4224	475863.1	3856377.25	1.16E-07	6.43E-08	-5.18E-08	2.55E-08	1.44E-08	-1.11E-08	1.18E-08	6.65E-09	-5.13E-09	2.55E-08	1.44E-08	-1.11E-08
4225	476363.1	3856377.25	1.16E-07	6.43E-08	-5.18E-08	2.55E-08	1.44E-08	-1.11E-08	1.18E-08	6.65E-09	-5.13E-09	2.55E-08	1.44E-08	-1.11E-08
4226	476863.1	3856377.25	1.20E-07	6.60E-08	-5.36E-08	2.63E-08	1.48E-08	-1.15E-08	1.21E-08	6.83E-09	-5.32E-09	2.63E-08	1.48E-08	-1.15E-08
4227	477363.1	3856377.25	1.26E-07	6.92E-08	-5.67E-08	2.77E-08	1.55E-08	-1.22E-08	1.28E-08	7.16E-09	-5.62E-09	2.77E-08	1.55E-08	-1.22E-08
4228	477863.1	3856377.25	1.23E-07	6.72E-08	-5.60E-08	2.71E-08	1.51E-08	-1.20E-08	1.25E-08	6.96E-09	-5.56E-09	2.71E-08	1.51E-08	-1.20E-08
4229	478363.1	3856377.25	1.25E-07	6.77E-08	-5.73E-08	2.75E-08	1.52E-08	-1.23E-08	1.27E-08	7.01E-09	-5.69E-09	2.75E-08	1.52E-08	-1.23E-08
4230	478863.1	3856377.25	1.51E-07	8.29E-08	-6.83E-08	3.32E-08	1.86E-08	-1.46E-08	1.53E-08	8.58E-09	-6.77E-09	3.32E-08	1.86E-08	-1.46E-08
4231	479363.1	3856377.25	1.66E-07	9.18E-08	-7.46E-08	3.66E-08	2.06E-08	-1.60E-08	1.69E-08	9.50E-09	-7.40E-09	3.66E-08	2.06E-08	-1.60E-08
4232	479863.1	3856377.25	1.95E-07	1.10E-07	-8.55E-08	4.29E-08	2.46E-08	-1.83E-08	1.98E-08	1.13E-08	-8.47E-09	4.29E-08	2.46E-08	-1.83E-08
4233	480363.1	3856377.25	2.29E-07	1.29E-07	-1.01E-07	5.04E-08	2.88E-08	-2.16E-08	2.33E-08	1.33E-08	-9.97E-09	5.04E-08	2.88E-08	-2.16E-08
4234	480863.1	3856377.25	2.66E-07	1.47E-07	-1.19E-07	5.85E-08	3.30E-08	-2.55E-08	2.70E-08	1.53E-08	-1.18E-08	5.85E-08	3.30E-08	-2.55E-08
4235	481363.1	3856377.25	3.18E-07	1.69E-07	-1.48E-07	6.98E-08	3.79E-08	-3.19E-08	3.22E-08	1.75E-08	-1.47E-08	6.98E-08	3.79E-08	-3.19E-08
4236	481863.1	3856377.25	3.88E-07	1.96E-07	-1.92E-07	8.52E-08	4.38E-08	-4.13E-08	3.94E-08	2.03E-08	-1.91E-08	8.52E-08	4.38E-08	-4.13E-08
4237	482363.1	3856377.25	4.51E-07	2.18E-07	-2.33E-07	9.90E-08	4.88E-08	-5.02E-08	4.58E-08	2.25E-08	-2.32E-08	9.90E-08	4.88E-08	-5.02E-08
4238	482863.1	3856377.25	5.31E-07	2.47E-07	-2.83E-07	1.17E-07	5.54E-08	-6.12E-08	5.39E-08	2.56E-08	-2.83E-08	1.17E-07	5.54E-08	-6.12E-08
4239	483363.1	3856377.25	6.53E-07	2.90E-07	-3.63E-07	1.43E-07	6.50E-08	-7.85E-08	6.63E-08	3.00E-08	-3.63E-08	1.43E-07	6.50E-08	-7.85E-08
4240	483863.1	3856377.25	9.06E-07	3.75E-07	-5.31E-07	1.99E-07	8.39E-08	-1.15E-07	9.20E-08	3.88E-08	-5.32E-08	1.99E-07	8.39E-08	-1.15E-07
4241	484363.1	3856377.25	1.67E-06	6.10E-07	-1.05E-06	3.66E-07	1.37E-07	-2.29E-07	1.69E-07	6.31E-08	-1.06E-07	3.66E-07	1.37E-07	-2.29E-07
4242	484863.1	3856377.25	1.71E-05	4.91E-06	-1.22E-05	3.76E-06	1.10E-06	-2.66E-06	1.74E-06	5.08E-07	-1.23E-06	3.76E-06	1.10E-06	-2.66E-06
4243	485363.1	3856377.25	4.78E-06	1.60E-06	-3.18E-06	1.05E-06	3.59E-07	-6.91E-07	4.85E-07	1.66E-07	-3.19E-07	1.05E-06	3.59E-07	-6.91E-07
4244	485863.1	3856377.25	2.29E-06	1.35E-06	-9.43E-07	5.04E-07	3.02E-07	-2.02E-07	2.33E-07	1.40E-07	-9.32E-08	5.04E-07	3.02E-07	-2.02E-07
4245	486363.1	3856377.25	1.40E-06	3.12E-06	1.73E-06	3.07E-07	6.99E-07	3.92E-07	1.42E-07	3.23E-07	1.81E-07	3.07E-07	6.99E-07	3.92E-07
4246	486863.1	3856377.25	1.14E-06	1.18E-06	3.93E-08	2.50E-07	2.64E-07	1.36E-08	1.16E-07	1.22E-07	6.29E-09	2.50E-07	2.64E-07	1.36E-08
4247	487363.1	3856377.25	1.00E-06	8.14E-07	-1.87E-07	2.20E-07	1.82E-07	-3.77E-08	1.02E-07	8.42E-08	-1.74E-08	2.20E-07	1.82E-07	-3.77E-08
4248	487863.1	3856377.25	9.19E-07	6.57E-07	-2.62E-07	2.02E-07	1.47E-07	-5.49E-08	9.33E-08	6.80E-08	-2.54E-08	2.02E-07	1.47E-07	-5.49E-08
4249	488363.1	3856377.25	8.45E-07	5.63E-07	-2.81E-07	1.86E-07	1.26E-07	-5.94E-08	8.58E-08	5.83E-08	-2.75E-08	1.86E-07	1.26E-07	-5.94E-08
4250	488863.1	3856377.25	7.79E-07	4.97E-07	-2.82E-07	1.71E-07	1.11E-07	-5.98E-08	7.91E-08	5.15E-08	-2.76E-08	1.71E-07	1.11E-07	-5.98E-08
4251	489363.1	3856377.25	7.22E-07	4.48E-07	-2.75E-07	1.59E-07	1.00E-07	-5.85E-08	7.33E-08	4.63E-08	-2.70E-08	1.59E-07	1.00E-07	-5.85E-08
4252	489863.1	3856377.25	6.73E-07	4.08E-07	-2.65E-07	1.48E-07	9.13E-08	-5.65E-08	6.83E-08	4.22E-08	-2.61E-08	1.48E-07	9.13E-08	-5.65E-08
4253	490363.1	3856377.25	6.24E-07	3.74E-07	-2.50E-07	1.37E-07	8.38E-08	-5.34E-08	6.34E-08	3.87E-08	-2.47E-08	1.37E-07	8.38E-08	-5.34E-08
4254	490863.1	3856377.25	5.81E-07	3.46E-07	-2.35E-07	1.28E-07	7.76E-08	-5.01E-08	5.90E-08	3.58E-08	-2.32E-08	1.28E-07	7.76E-08	-5.01E-08
4255	491363.1	3856377.25	5.50E-07	3.25E-07	-2.25E-07	1.21E-07	7.27E-08	-4.80E-08	5.58E-08	3.36E-08	-2.22E-08	1.21E-07	7.27E-08	-4.80E-08
4256	491863.1	3856377.25	5.19E-07	3.05E-07	-2.14E-07	1.14E-07	6.83E-08	-4.58E-08	5.27E-08	3.16E-08	-2.11E-08	1.14E-07	6.83E-08	-4.58E-08
4257	492363.1	3856377.25	4.83E-07	2.84E-07	-1.99E-07	1.06E-07	6.35E-08	-4.26E-08	4.90E-08	2.93E-08	-1.97E-08	1.06E-07	6.35E-08	-4.26E-08
4258	492863.1	3856377.25	4.29E-07	2.52E-07	-1.77E-07	9.43E-08	5.65E-08	-3.78E-08	4.36E-08	2.61E-08	-1.75E-08	9.43E-08	5.65E-08	-3.78E-08
4259	493363.1	3856377.25	3.50E-07	2.02E-07	-1.48E-07	7.69E-08	4.53E-08	-3.16E-08	3.55E-08	2.09E-08	-1.46E-08	7.69E-08	4.53E-08	-3.16E-08
4260	493863.1	3856377.25	3.15E-07	1.79E-07	-1.35E-07	6.92E-08	4.02E-08	-2.90E-08	3.20E-08	1.86E-08	-1.34E-08	6.92E-08	4.02E-08	-2.90E-08
4261	494363.1	3856377.25	2.77E-07	1.55E-07	-1.22E-07	6.09E-08	3.48E-08	-2.61E-08	2.81E-08	1.61E-08	-1.21E-08	6.09E-08	3.48E-08	-2.61E-08
4262	494863.1	3856377.25	2.48E-07	1.38E-07	-1.10E-07	5.45E-08	3.09E-08	-2.37E-08	2.52E-08	1.43E-08	-1.09E-08	5.45E-08	3.09E-08	-2.37E-08
4263	495363.1	3856377.25	2.30E-07	1.27E-07	-1.03E-07	5.06E-08	2.85E-08	-2.21E-08	2.34E-08	1.32E-08	-1.02E-08	5.06E-08	2.85E-08	-2.21E-08
4264	495863.1	3856377.25	2.26E-07	1.25E-07	-1.01E-07	4.96E-08	2.79E-08	-2.17E-08	2.29E-08	1.29E-08	-1.00E-08	4.96E-08	2.79E-08	-2.17E-08
4265	496363.1	3856377.25	2.26E-07	1.25E-07	-1.01E-07	4.96E-08	2.79E-08	-2.17E-08	2.29E-08	1.29E-08	-1.00E-08	4.96E-08	2.79E-08	-2.17E-08
4266	496863.1	3856377.25	2.30E-07	1.28E-07	-1.03E-07	5.06E-08	2.86E-08	-2.20E-08	2.34E-08	1.32E-08	-1.02E-08	5.06E-08	2.86E-08	-2.20E-08
4267	497363.1	3856377.25	2.36E-07	1.31E-07	-1.05E-07	5.18E-08	2.92E-08	-2.26E-08	2.39E-08	1.35E-08	-1.04E-08	5.18E-08	2.92E-08	-2.26E-08
4268	497863.1	3856377.25	2.43E-07	1.35E-07	-1.08E-07	5.34E-08	3.02E-08	-2.31E-08	2.47E-08	1.40E-08	-1.07E-08	5.34E-08	3.02E-08	-2.31E-08
4269	498363.1	3856377.25	2.53E-07	1.41E-07	-1.12E-07	5.55E-08	3.16E-08	-2.40E-08	2.57E-08	1.46E-08	-1.11E-08	5.55E-08	3.16E-08	-2.40E-08
4270	471363.1	3856877.25	1.15E-07	6.40E-08	-5.11E-08	2.53E-08	1.43E-08	-1.10E-08	1.17E-08	6.62E-09	-5.07E-09	2.53E-08	1.43E-08	-1.10E-08
4271	471863.1	3856877.25	1.17E-07	6.53E-08	-5.17E-08	2.57E-08	1.46E-08	-1.11E-08	1.19E-08	6.75E-09	-5.12E-09	2.57E-08	1.46E-08	-1.11E-08
4272	472363.1	3856877.25	1.21E-07	6.72E-08	-5.33E-08	2.65E-08	1.51E-08	-1.14E-08	1.22E-08	6.96E-09	-5.28E-09	2.65E-08	1.51E-08	-1.14E-08
4273	472863.1	3856877.25	1.24E-07	6.92E-08	-5.49E-08	2.73E-08	1.55E-08	-1.18E-08	1.26E-08	7.16E-09	-5.44E-09	2.73E-08	1.55E-08	-1.18E-08
4274	473363.1	3856877.25	1.31E-07	7.32E-08	-5.81E-08	2.89E-08	1.64E-08	-1.25E-08	1.33E-08	7.57E-09	-5.76E-09	2.89E-08	1.64E-08	-1.25E-08
4275	473863.1	3856877.25	1.36E-07	7.57E-08	-6.02E-08	2.98E-08	1.69E-08	-1.29E-08	1.38E-08	7.83E-09	-5.96E-09	2.98E-08	1.69E-08	-1.29E-08
4276	474363.1	3856877.25	1.36E-07	7.59E-08	-5.99E-08	2.98E-08	1.70E-08	-1.28E-08	1.38E-08	7.86E-09	-5.94E-09	2.98E-08	1.70E-08	-1.28E-08
4277	474863.1	3856877.25	1.32E-07	7.42E-08	-5.80E-08	2.91E-08	1.66E-08	-1.24E-08	1.34E-08	7.68E-09	-5.75E-09	2.91E-08	1.66E-08	-1.24E-08
4278	475363.1	3856877.25	1.26E-07	7.07E-08	-5.52E-08	2.77E-08	1.58E-08	-1.18E-08	1.28E-08	7.32E-09	-5.47E-09	2.77E-08	1.58E-08	-1.18E-08
4279	475863.1	3856877.25	1.27E-07	7.10E-08	-5.59E-08	2.79E-08	1.59E-08	-1.20E-08	1.29E-08	7.34E-09	-5.54E-09	2.79E-08	1.59E-08	-1.20E-08
4280	476363.1	3856877.25	1.22E-07	6.82E-08	-5.41E-08	2.69E-08	1.53E-08	-1.16E-08	1.24E-08	7.06E-09	-5.36E-09	2.69E-08	1.53E-08	-1.16E-08
4281	476863.1	3856877.25	1.23E-07	6.85E-08	-5.48E-08	2.71E-08	1.53E-08	-1.17E-08	1.25E-08	7.09E-09	-5.43E-09	2.71E-08	1.53E-08	-1.17E-08
4282	477363.1	3856877.25	1.22E-07	6.77E-08	-5.46E-08	2.69E-08	1.52E-08	-1.17E-08	1.24E-08	7.01E-09	-5.41E-09	2.69E-08	1.52E-08	-1.17E-08
4283	477863.1	3856877.25	1.16E-07	6.35E-08	-5.25E-08	2.55E-08	1.42E-08	-1.13E-08	1.18E-08	6.57E-09	-5.21E-09	2.55E-08	1.42E-08	-1.13E-08
4284	478363.1	3856877.25	1.17E-07	6.35E-08	-5.34E-08	2.57E-08	1.42E-08	-1.15E-08	1.19E-08	6.57E-09	-5.30E-09	2.57E-08	1.42E-08	-1.15E-08
4285	478863.1	3856877.25	1.28E-07	6.95E-08	-5.83E-08	2.81E-08	1.56E-08	-1.25E-08	1.30E-08	7.19E-09	-5.78E-09	2.81E-08	1.56E-08	-1.25E-08
4286	479363.1	3856877.25	1.40E-07	7.69E-08	-6.34E-08	3.08E-08	1.72E-08	-1.36E-08	1.42E-08	7.96E-09	-6.29E-09	3.08E-08	1.72E-08	-1.36E-08
4287	479863.1	3856877.25	1.80E-07	1.01E-07	-7.87E-08	3.95E-08	2.27E-08	-1.69E-08	1.83E-08	1.05E-08	-7.79E-09	3.95E-08	2.27E-08	-1.69E-08
4288	480363.1	3856877.25	2.15E-07	1.21E-07	-9.42E-08	4.72E-08	2.71E-08	-2.02E-08	2.18E-08	1.25E-08	-9.33E-09	4.72E-08	2.71E-08	-2.02E-08
4289	480863.1	3856877.25	2.59E-07	1.42E-07	-1.17E-07	5.69E-08	3.17E-08	-2.52E-08	2.63E-08	1.47E-08	-1.16E-08	5.69E-08	3.17E-08	-2.52E-08
4290	481363.1	3856877.25	3.01E-07	1.59E-07	-1.43E-07	6.62E-08	3.56E-08	-3.07E-08	3.06E-08	1.64E-08	-1.42E-08	6.62E-08	3.56E-08	-3.07E-08
4291	481863.1	3856877.25	3.36E-07	1.73E-07	-1.62E-07	7.37E-08	3.88E-08	-3.49E-08	3.41E-08	1.79E-08	-1.61E-08	7.37E-08	3.88E-08	-3.49E-08
4292	482363.1	3856877.25	3.95E-07	1.94E-07	-2.01E-07	8.68E-08	4.35E-08	-4.33E-08	4.01E-08	2.01E-08	-2.00E-08	8.68E-08	4.35E-08	-4.33E-08
4293	482863.1	3856877.25	4.47E-07	2.15E-07	-2.32E-07	9.82E-08	4.81E-08	-5.02E-08	4.54E-08	2.22E-08	-2.32E-08	9.82E-08	4.81E-08	-5.02E-08
4294	483363.1	3856877.25	5.17E-07	2.42E-07	-2.76E-07	1.14E-07	5.41E-08	-5.95E-08	5.25E-08	2.50E-08	-2.75E-08	1.14E-07	5.41E-08	-5.95E-08
4295	483863.1	3856877.25	6.29E-07	2.82E-07	-3.46E-07	1.38E-07	6.32E-08	-7.49E-08	6.38E-08	2.92E-08	-3.46E-08	1.38E-07	6.32E-08	-7.49E-08
4296	484363.1	3856877.25	8.58E-07	3.61E-07	-4.97E-07	1.89E-07	8.08E-08	-1.08E-07	8.71E-08	3.73E-08	-4.98E-08	1.89E-07	8.08E-08	-1.08E-07
4297	484863.1	3856877.25	1.39E-06	5.30E-07	-8.56E-07	3.04E-07	1.19E-07	-1.86E-07	1.41E-07	5.48E-08	-8.58E-08	3.04E-07	1.19E-07	-1.86E-07
4298	485363.1	3856877.25	5.18E-06	1.62E-06	-3.56E-06	1.14E-06	3.62E-07	-7.76E-07	5.26E-07	1.67E-07	-3.59E-07	1.14E-06	3.62E-07	-7.76E-07
4299	485863.1	3856877.25	6.75E-06	2.14E-06	-4.62E-06	1.48E-06	4.79E-07	-1.01E-06	6.86E-07	2.21E-07	-4.65E-07	1.48E-06	4.79E-07	-1.01E-06
4300	486363.1	3856877.25	2.22E-06	1.29E-06	-9.29E-07	4.88E-07	2.89E-07	-1.99E-07	2.25E-07	1.34E-07	-9.18E-08	4.88E-07	2.89E-07	-1.99E-07
4301	486863.1	3856877.25	1.60E-06	3.62E-06	2.02E-06	3.52E-07	8.11E-07	4.59E-07	1.63E-07	3.75E-07	2.12E-07	3.52E-07	8.11E-07	4.59E-07
4302	487363.1	3856877.25	1.33E-06	1.26E-06	-6.69E-08	2.93E-07	2.83E-07	-9.38E-09	1.35E-07	1.31E-07	-4.34E-09	2.93E-07	2.83E-07	-9.38E-09
4303	487863.1	3856877.25	1.16E-06	8.66E-07	-2.91E-07	2.54E-07	1.94E-07	-6.04E-08	1.18E-07	8.97E-08	-2.79E-08	2.54E-07	1.94E-07	-6.04E-08

4304	488363.1	3856877.25	1.04E-06	6.93E-07	-3.49E-07	2.29E-07	1.55E-07	-7.38E-08	1.06E-07	7.18E-08	-3.41E-08	2.29E-07	1.55E-07	-7.38E-08
4305	488863.1	3856877.25	9.41E-07	5.90E-07	-3.51E-07	2.07E-07	1.32E-07	-7.46E-08	9.55E-08	6.11E-08	-3.45E-08	2.07E-07	1.32E-07	-7.46E-08
4306	489363.1	3856877.25	8.62E-07	5.21E-07	-3.41E-07	1.89E-07	1.17E-07	-7.27E-08	8.75E-08	5.39E-08	-3.36E-08	1.89E-07	1.17E-07	-7.27E-08
4307	489863.1	3856877.25	7.89E-07	4.67E-07	-3.22E-07	1.73E-07	1.05E-07	-6.87E-08	8.01E-08	4.83E-08	-3.18E-08	1.73E-07	1.05E-07	-6.87E-08
4308	490363.1	3856877.25	7.19E-07	4.22E-07	-2.97E-07	1.58E-07	9.44E-08	-6.35E-08	7.30E-08	4.36E-08	-2.94E-08	1.58E-07	9.44E-08	-6.35E-08
4309	490863.1	3856877.25	6.61E-07	3.84E-07	-2.77E-07	1.45E-07	8.61E-08	-5.92E-08	6.71E-08	3.98E-08	-2.74E-08	1.45E-07	8.61E-08	-5.92E-08
4310	491363.1	3856877.25	6.12E-07	3.53E-07	-2.59E-07	1.34E-07	7.91E-08	-5.53E-08	6.21E-08	3.65E-08	-2.56E-08	1.34E-07	7.91E-08	-5.53E-08
4311	491863.1	3856877.25	5.65E-07	3.25E-07	-2.40E-07	1.24E-07	7.28E-08	-5.13E-08	5.74E-08	3.37E-08	-2.37E-08	1.24E-07	7.28E-08	-5.13E-08
4312	492363.1	3856877.25	4.79E-07	2.79E-07	-2.01E-07	1.05E-07	6.24E-08	-4.29E-08	4.87E-08	2.88E-08	-1.98E-08	1.05E-07	6.24E-08	-4.29E-08
4313	492863.1	3856877.25	4.20E-07	2.43E-07	-1.77E-07	9.23E-08	5.43E-08	-3.80E-08	4.27E-08	2.51E-08	-1.75E-08	9.23E-08	5.43E-08	-3.80E-08
4314	493363.1	3856877.25	3.65E-07	2.08E-07	-1.57E-07	8.02E-08	4.66E-08	-3.37E-08	3.71E-08	2.15E-08	-1.56E-08	8.02E-08	4.66E-08	-3.37E-08
4315	493863.1	3856877.25	3.13E-07	1.75E-07	-1.38E-07	6.88E-08	3.93E-08	-2.95E-08	3.18E-08	1.82E-08	-1.36E-08	6.88E-08	3.93E-08	-2.95E-08
4316	494363.1	3856877.25	2.76E-07	1.53E-07	-1.23E-07	6.07E-08	3.42E-08	-2.65E-08	2.80E-08	1.58E-08	-1.22E-08	6.07E-08	3.42E-08	-2.65E-08
4317	494863.1	3856877.25	2.58E-07	1.42E-07	-1.16E-07	5.67E-08	3.18E-08	-2.49E-08	2.62E-08	1.47E-08	-1.15E-08	5.67E-08	3.18E-08	-2.49E-08
4318	495363.1	3856877.25	2.47E-07	1.36E-07	-1.11E-07	5.44E-08	3.04E-08	-2.39E-08	2.51E-08	1.41E-08	-1.10E-08	5.44E-08	3.04E-08	-2.39E-08
4319	495863.1	3856877.25	2.44E-07	1.34E-07	-1.10E-07	5.36E-08	3.01E-08	-2.35E-08	2.48E-08	1.39E-08	-1.09E-08	5.36E-08	3.01E-08	-2.35E-08
4320	496363.1	3856877.25	2.42E-07	1.33E-07	-1.09E-07	5.32E-08	2.98E-08	-2.33E-08	2.46E-08	1.38E-08	-1.08E-08	5.32E-08	2.98E-08	-2.33E-08
4321	496863.1	3856877.25	2.45E-07	1.35E-07	-1.10E-07	5.38E-08	3.02E-08	-2.36E-08	2.48E-08	1.39E-08	-1.09E-08	5.38E-08	3.02E-08	-2.36E-08
4322	497363.1	3856877.25	2.50E-07	1.38E-07	-1.12E-07	5.49E-08	3.09E-08	-2.41E-08	2.54E-08	1.43E-08	-1.11E-08	5.49E-08	3.09E-08	-2.41E-08
4323	497863.1	3856877.25	2.62E-07	1.45E-07	-1.17E-07	5.75E-08	3.24E-08	-2.51E-08	2.66E-08	1.50E-08	-1.16E-08	5.75E-08	3.24E-08	-2.51E-08
4324	498363.1	3856877.25	2.75E-07	1.53E-07	-1.22E-07	6.05E-08	3.43E-08	-2.62E-08	2.79E-08	1.58E-08	-1.21E-08	6.05E-08	3.43E-08	-2.62E-08
4325	471363.1	3857377.25	1.12E-07	6.28E-08	-4.97E-08	2.47E-08	1.41E-08	-1.06E-08	1.14E-08	6.50E-09	-4.92E-09	2.47E-08	1.41E-08	-1.06E-08
4326	471863.1	3857377.25	1.14E-07	6.38E-08	-5.05E-08	2.51E-08	1.43E-08	-1.08E-08	1.16E-08	6.60E-09	-5.00E-09	2.51E-08	1.43E-08	-1.08E-08
4327	472363.1	3857377.25	1.17E-07	6.53E-08	-5.17E-08	2.57E-08	1.46E-08	-1.11E-08	1.19E-08	6.75E-09	-5.12E-09	2.57E-08	1.46E-08	-1.11E-08
4328	472863.1	3857377.25	1.21E-07	6.72E-08	-5.33E-08	2.65E-08	1.51E-08	-1.14E-08	1.22E-08	6.96E-09	-5.28E-09	2.65E-08	1.51E-08	-1.14E-08
4329	473363.1	3857377.25	1.25E-07	6.97E-08	-5.53E-08	2.75E-08	1.56E-08	-1.19E-08	1.27E-08	7.22E-09	-5.48E-09	2.75E-08	1.56E-08	-1.19E-08
4330	473863.1	3857377.25	1.31E-07	7.29E-08	-5.84E-08	2.89E-08	1.63E-08	-1.25E-08	1.33E-08	7.55E-09	-5.79E-09	2.89E-08	1.63E-08	-1.25E-08
4331	474363.1	3857377.25	1.28E-07	7.12E-08	-5.65E-08	2.81E-08	1.59E-08	-1.21E-08	1.30E-08	7.37E-09	-5.60E-09	2.81E-08	1.59E-08	-1.21E-08
4332	474863.1	3857377.25	1.16E-07	6.53E-08	-5.08E-08	2.55E-08	1.46E-08	-1.09E-08	1.18E-08	6.75E-09	-5.03E-09	2.55E-08	1.46E-08	-1.09E-08
4333	475363.1	3857377.25	1.05E-07	5.86E-08	-4.67E-08	2.31E-08	1.31E-08	-1.00E-08	1.07E-08	6.06E-09	-4.63E-09	2.31E-08	1.31E-08	-1.00E-08
4334	475863.1	3857377.25	1.04E-07	5.81E-08	-4.63E-08	2.29E-08	1.30E-08	-9.93E-09	1.06E-08	6.01E-09	-4.59E-09	2.29E-08	1.30E-08	-9.93E-09
4335	476363.1	3857377.25	1.14E-07	6.35E-08	-5.07E-08	2.51E-08	1.42E-08	-1.09E-08	1.16E-08	6.57E-09	-5.03E-09	2.51E-08	1.42E-08	-1.09E-08
4336	476863.1	3857377.25	1.19E-07	6.60E-08	-5.27E-08	2.61E-08	1.48E-08	-1.13E-08	1.21E-08	6.83E-09	-5.23E-09	2.61E-08	1.48E-08	-1.13E-08
4337	477363.1	3857377.25	1.18E-07	6.53E-08	-5.26E-08	2.59E-08	1.46E-08	-1.13E-08	1.20E-08	6.75E-09	-5.21E-09	2.59E-08	1.46E-08	-1.13E-08
4338	477863.1	3857377.25	1.14E-07	6.28E-08	-5.15E-08	2.51E-08	1.41E-08	-1.10E-08	1.16E-08	6.50E-09	-5.10E-09	2.51E-08	1.41E-08	-1.10E-08
4339	478363.1	3857377.25	1.12E-07	6.05E-08	-5.10E-08	2.45E-08	1.36E-08	-1.10E-08	1.13E-08	6.26E-09	-5.06E-09	2.45E-08	1.36E-08	-1.10E-08
4340	478863.1	3857377.25	1.10E-07	5.95E-08	-5.02E-08	2.41E-08	1.33E-08	-1.08E-08	1.11E-08	6.16E-09	-4.98E-09	2.41E-08	1.33E-08	-1.08E-08
4341	479363.1	3857377.25	1.27E-07	6.92E-08	-5.76E-08	2.79E-08	1.55E-08	-1.24E-08	1.29E-08	7.16E-09	-5.72E-09	2.79E-08	1.55E-08	-1.24E-08
4342	479863.1	3857377.25	1.62E-07	9.11E-08	-7.09E-08	3.56E-08	2.04E-08	-1.52E-08	1.64E-08	9.42E-09	-7.02E-09	3.56E-08	2.04E-08	-1.52E-08
4343	480363.1	3857377.25	1.59E-07	8.86E-08	-7.06E-08	3.50E-08	1.98E-08	-1.51E-08	1.62E-08	9.17E-09	-7.00E-09	3.50E-08	1.98E-08	-1.51E-08
4344	480863.1	3857377.25	2.43E-07	1.33E-07	-1.10E-07	5.34E-08	2.97E-08	-2.36E-08	2.47E-08	1.37E-08	-1.09E-08	5.34E-08	2.97E-08	-2.36E-08
4345	481363.1	3857377.25	2.54E-07	1.39E-07	-1.15E-07	5.57E-08	3.11E-08	-2.47E-08	2.58E-08	1.44E-08	-1.14E-08	5.57E-08	3.11E-08	-2.47E-08
4346	481863.1	3857377.25	2.91E-07	1.55E-07	-1.36E-07	6.38E-08	3.46E-08	-2.92E-08	2.95E-08	1.60E-08	-1.35E-08	6.38E-08	3.46E-08	-2.92E-08
4347	482363.1	3857377.25	3.48E-07	1.75E-07	-1.73E-07	7.65E-08	3.93E-08	-3.72E-08	3.53E-08	1.82E-08	-1.72E-08	7.65E-08	3.93E-08	-3.72E-08
4348	482863.1	3857377.25	3.87E-07	1.90E-07	-1.97E-07	8.50E-08	4.26E-08	-4.24E-08	3.93E-08	1.97E-08	-1.96E-08	8.50E-08	4.26E-08	-4.24E-08
4349	483363.1	3857377.25	4.32E-07	2.08E-07	-2.23E-07	9.49E-08	4.67E-08	-4.82E-08	4.38E-08	2.16E-08	-2.23E-08	9.49E-08	4.67E-08	-4.82E-08
4350	483863.1	3857377.25	5.00E-07	2.36E-07	-2.64E-07	1.10E-07	5.28E-08	-5.71E-08	5.08E-08	2.44E-08	-2.64E-08	1.10E-07	5.28E-08	-5.71E-08
4351	484363.1	3857377.25	6.05E-07	2.75E-07	-3.30E-07	1.33E-07	6.16E-08	-7.14E-08	6.15E-08	2.85E-08	-3.30E-08	1.33E-07	6.16E-08	-7.14E-08
4352	484863.1	3857377.25	7.99E-07	3.45E-07	-4.54E-07	1.76E-07	7.72E-08	-9.83E-08	8.11E-08	3.57E-08	-4.54E-08	1.76E-07	7.72E-08	-9.83E-08
4353	485363.1	3857377.25	1.19E-06	4.74E-07	-7.16E-07	2.61E-07	1.06E-07	-1.55E-07	1.21E-07	4.90E-08	-7.17E-08	2.61E-07	1.06E-07	-1.55E-07
4354	485863.1	3857377.25	2.82E-06	9.60E-07	-1.86E-06	6.20E-07	2.15E-07	-4.05E-07	2.86E-07	9.93E-08	-1.87E-07	6.20E-07	2.15E-07	-4.05E-07
4355	486363.1	3857377.25	1.02E-05	3.09E-06	-7.14E-06	2.25E-06	6.92E-07	-1.56E-06	1.04E-06	3.20E-07	-7.19E-07	2.25E-06	6.92E-07	-1.56E-06
4356	486863.1	3857377.25	2.81E-06	1.40E-06	-1.42E-06	6.18E-07	3.13E-07	-3.05E-07	2.86E-07	1.45E-07	-1.41E-07	6.18E-07	3.13E-07	-3.05E-07
4357	487363.1	3857377.25	2.00E-06	4.33E-06	2.33E-06	4.40E-07	9.69E-07	5.30E-07	2.03E-07	4.48E-07	2.45E-07	4.40E-07	9.69E-07	5.30E-07
4358	487863.1	3857377.25	1.63E-06	1.38E-06	-2.50E-07	3.58E-07	3.08E-07	-4.91E-08	1.65E-07	1.43E-07	-2.27E-08	3.58E-07	3.08E-07	-4.91E-08
4359	488363.1	3857377.25	1.37E-06	9.35E-07	-4.36E-07	3.01E-07	2.09E-07	-9.19E-08	1.39E-07	9.68E-08	-4.25E-08	3.01E-07	2.09E-07	-9.19E-08
4360	488863.1	3857377.25	1.20E-06	7.42E-07	-4.55E-07	2.63E-07	1.66E-07	-9.69E-08	1.22E-07	7.68E-08	-4.48E-08	2.63E-07	1.66E-07	-9.69E-08
4361	489363.1	3857377.25	1.06E-06	6.26E-07	-4.34E-07	2.33E-07	1.40E-07	-9.27E-08	1.08E-07	6.48E-08	-4.29E-08	2.33E-07	1.40E-07	-9.27E-08
4362	489863.1	3857377.25	9.42E-07	5.44E-07	-3.98E-07	2.07E-07	1.22E-07	-8.51E-08	9.56E-08	5.63E-08	-3.94E-08	2.07E-07	1.22E-07	-8.51E-08
4363	490363.1	3857377.25	8.47E-07	4.83E-07	-3.64E-07	1.86E-07	1.08E-07	-7.79E-08	8.60E-08	5.00E-08	-3.60E-08	1.86E-07	1.08E-07	-7.79E-08
4364	490863.1	3857377.25	7.70E-07	4.35E-07	-3.35E-07	1.69E-07	9.75E-08	-7.17E-08	7.82E-08	4.51E-08	-3.31E-08	1.69E-07	9.75E-08	-7.17E-08
4365	491363.1	3857377.25	7.06E-07	3.96E-07	-3.10E-07	1.55E-07	8.88E-08	-6.64E-08	7.17E-08	4.10E-08	-3.07E-08	1.55E-07	8.88E-08	-6.64E-08
4366	491863.1	3857377.25	6.27E-07	3.53E-07	-2.74E-07	1.38E-07	7.91E-08	-5.87E-08	6.37E-08	3.65E-08	-2.71E-08	1.38E-07	7.91E-08	-5.87E-08
4367	492363.1	3857377.25	4.98E-07	2.84E-07	-2.14E-07	1.09E-07	6.36E-08	-4.59E-08	5.06E-08	2.94E-08	-2.12E-08	1.09E-07	6.36E-08	-4.59E-08
4368	492863.1	3857377.25	4.12E-07	2.32E-07	-1.80E-07	9.05E-08	5.19E-08	-3.86E-08	4.18E-08	2.40E-08	-1.78E-08	9.05E-08	5.19E-08	-3.86E-08
4369	493363.1	3857377.25	3.52E-07	1.95E-07	-1.57E-07	7.73E-08	4.37E-08	-3.36E-08	3.57E-08	2.02E-08	-1.55E-08	7.73E-08	4.37E-08	-3.36E-08
4370	493863.1	3857377.25	3.26E-07	1.79E-07	-1.46E-07	7.15E-08	4.02E-08	-3.14E-08	3.31E-08	1.86E-08	-1.45E-08	7.15E-08	4.02E-08	-3.14E-08
4371	494363.1	3857377.25	3.00E-07	1.65E-07	-1.36E-07	6.60E-08	3.69E-08	-2.91E-08	3.05E-08	1.70E-08	-1.35E-08	6.60E-08	3.69E-08	-2.91E-08
4372	494863.1	3857377.25	2.87E-07	1.57E-07	-1.30E-07	6.30E-08	3.52E-08	-2.78E-08	2.91E-08	1.63E-08	-1.29E-08	6.30E-08	3.52E-08	-2.78E-08
4373	495363.1	3857377.25	2.76E-07	1.51E-07	-1.25E-07	6.07E-08	3.38E-08	-2.68E-08	2.80E-08	1.56E-08	-1.24E-08	6.07E-08	3.38E-08	-2.68E-08
4374	495863.1	3857377.25	2.72E-07	1.49E-07	-1.23E-07	5.97E-08	3.33E-08	-2.64E-08	2.76E-08	1.54E-08	-1.22E-08	5.97E-08	3.33E-08	-2.64E-08
4375	496363.1	3857377.25	2.69E-07	1.48E-07	-1.21E-07	5.91E-08	3.31E-08	-2.60E-08	2.73E-08	1.53E-08	-1.20E-08	5.91E-08	3.31E-08	-2.60E-08
4376	496863.1	3857377.25	2.68E-07	1.47E-07	-1.21E-07	5.89E-08	3.30E-08	-2.59E-08	2.72E-08	1.53E-08	-1.20E-08	5.89E-08	3.30E-08	-2.59E-08
4377	497363.1	3857377.25	2.72E-07	1.50E-07	-1.22E-07	5.97E-08	3.35E-08	-2.62E-08	2.76E-08	1.55E-08	-1.21E-08	5.97E-08	3.35E-08	-2.62E-08
4378	497863.1	3857377.25	2.80E-07	1.55E-07	-1.25E-07	6.15E-08	3.46E-08	-2.69E-08	2.84E-08	1.60E-08	-1.24E-08	6.15E-08	3.46E-08	-2.69E-08
4379	498363.1	3857377.25	3.04E-07	1.69E-07	-1.35E-07	6.68E-08	3.78E-08	-2.90E-08	3.09E-08	1.75E-08	-1.34E-08	6.68E-08	3.78E-08	-2.90E-08
4380	471363.1	3857877.25	1.09E-07	6.05E-08	-4.83E-08	2.39E-08	1.36E-08	-1.04E-08	1.11E-08	6.26E-09	-4.79E-09	2.39E-08	1.36E-08	-1.04E-08
4381	471863.1	3857877.25	1.11E-07	6.15E-08	-4.91E-08	2.43E-08	1.38E-08	-1.05E-08	1.12E-08	6.37E-09	-4.87E-09	2.43E-08	1.38E-08	-1.05E-08
4382	472363.1	3857877.25	1.13E-07	6.30E-08	-5.03E-08	2.49E-08	1.41E-08	-1.08E-08	1.15E-08	6.52E-09	-4.99E-09	2.49E-08	1.41E-08	-1.08E-08
4383	472863.1	3857877.25	1.18E-07	6.55E-08	-5.23E-08	2.59E-08	1.47E-08	-1.12E-08	1.20E-08	6.78E-09	-5.19E-09	2.59E-08	1.47E-08	-1.12E-08
4384	473363.1	3857877.25	1.21E-07	6.72E-08	-5.33E-08	2.65E-08	1.51E-08	-1.14E-08	1.22E-08	6.96E-09	-5.28E-09	2.65E-08	1.51E-08	-1.14E-08
4385	473863.1	3857877.25	1.26E-07	7.00E-08	-5.60E-08	2.77E-08	1.57E-08	-1.20E-08	1.28E-08	7.24E-09	-5.55E-09	2.77E-08	1.57E-08	-1.20E-08
4386	474363.1	3857877.25	1.21E-07	6.75E-08	-5.30E-08	2.65E-08	1.51E-08	-1.14E-08	1.22E-08	6.98E-09	-5.26E-09	2.65E-08	1.51E-08	-1.14E-08
4387	474863.1	3857877.25	1.09E-07	6.10E-08	-4.78E-08	2.39E-08	1.37E-08	-1.02E-08	1.11E-08	6.32E-09	-4.74E-09	2.39E-08	1.37E-08	-1.02E-08
4388	475363.1	3857877.25	9.27E-08	5.14E-08	-4.13E-08	2.04E-08	1.15E-08	-8.86E-09	9.41E-09	5.31E-09	-4.09E-09	2.04E-08	1.15E-08	-8.86E-09
4389	475863.1	3857877.25	7.83E-08	4.29E-08	-3.53E-08	1.72E-08	9.61E-09	-7.58E-09	7.95E-09	4.44E-09	-3.50E-09	1.72E-08	9.61E-09	-7.58E-09
4390	476363.1	3857877.25	9.80E-08	5.43E-08	-4.37E-08	2.15E-08	1.22E-08	-9.38E-09	9.96E-09	5.62E-09	-4.33E-09	2.15E-08	1.22E-08	-9.38E-09
4391	476863.1	3857877.25	1.06E-07	5.91E-08	-4.71E-08	2.33E-08	1.32E-08	-1.01E-08	1.08E-08	6.11E-09	-4.67E-09	2.33E-08	1.32E-08	-1.01E-08
4392	477363.1	3857877.25	1.09E-07	6.03E-08	-4.86E-08	2.39E-08	1.35E-08	-1.04E-08	1.11E-08	6.24E-09	-4.81E-09	2.39E-08	1.35E-08	-1.04E-08
4393	477863.1	3857877.25	1.11E-07	6.13E-08	-4.94E-08	2.43E-08	1.37E-08	-1.06E-08	1.12E-08	6.34E-09	-4.89E-09	2.43E-08	1.37E-08	-1.06E-08
4394	478363.1	3857877.25	1.02E-07	5.53E-08	-4.63E-08	2.23E-08	1.24E-08	-9.94E-09	1.03E-08	5.73E-09	-4.60E-09	2.23E-08	1.24E-08	-9.94E-09
4395	478863.1	3857877.25	9.98E-08	5.43E-08	-4.55E-08	2.19E-08	1.22E-08	-9.77E-09	1.01E-08	5.62E-09	-4.52E-09	2.19E-08	1.22E-08	-9.77E-09
4396	479363.1	3857877.25	1.48E-07	8.39E-08	-6.46E-08	3.26E-08	1.88E-08	-1.38E-08	1.51E-08	8.68E-09	-6.39E-09	3.26E-08	1.88E-08	-1.38E-08
4397	479863.1	3857877.25	1.88E-07	1.05E-07	-8.26E-08	4.13E-08	2.36E-08	-1.77E-08	1.91E-08	1.09E-08	-8.18E-09	4.13E-08	2.36E-08	-1.77E-08
4398	480363.1	3857877.25	2.14E-07	1.17E-07	-9.67E-08	4.70E-08	2.63E-08	-2.08E-08	2.17E-08	1.21E-08	-9.59E-09	4.70E-08	2.63E-08	-2.08E-08
4399	480863.1	3857877.25	2.26E-07	1.24E-07	-1.02E-07	4.96E-08	2.77E-08	-2.19E-08	2.29E-08	1.28E-08	-1.01E-08	4.96E-08	2.77E-08	-2.19E-08
4400	481363.1	3857877.25	2.38E-07	1.30E-07	-1.08E-07	5.24E-08	2.91E-08	-2.33E-08	2.42E-08	1.35E-08	-1.08E-08	5.24E-08	2.91E-08	-2.33E-08
4401	481863.1	3857877.25	2.60E-07	1.40E-07	-1.20E-07	5.71E-08	3.14E-08	-2.57E-08	2.64E-08	1.45E-08	-1.19E-08	5.71E-08	3.14E-08	-2.57E-08
4402	482363.1	3857877.25	3.02E-07	1.57E-07	-1.45E-07	6.64E-08	3.52E-08	-3.12E-08	3.07E-08	1.63E-08	-1.44E-08	6.64E-08	3.52E-08	-3.12E-08
4403	482863.1	3857877.25	3.40E-07	1.71E-07	-1.69E-07	7.47E-08	3.83E-08	-3.64E-08	3.45E-08	1.77E-08	-1.68E-08	7.47E-08	3.83E-08	-3.64E-08
4404	483363.1	3857877.25	3.72E-07	1.84E-07	-1.87E-07	8.16E-08	4.13E-08	-4.03E-08	3.77E-08	1.91E-08	-1.86E-08	8.16E-08	4.13E-08	-4.03E-08
4405	483863.1	3857877.25	4.16E-07	2.03E-07	-2.13E-07	9.15E-08	4.56E-08	-4.59E-08	4.23E-08	2.11E-08	-2.12E-08	9.15E-08	4.56E-08	-4.59E-08
4406	484363.1	3857877.25	4.75E-07	2.28E-07	-2.47E-07	1.04E-07	5.09E-08	-5.34E-08	4.82E-08	2.35E-08	-2.47E-08	1.04E-07	5.09E-08	-5.34E-08
4407	484863.1	3857877.25	5.77E-07	2.68E-07	-3.10E-07	1.27E-07	5.99E-08	-6.69E-08	5.86E-08	2.77E-08	-3.09E-08	1.27E-07	5.99E-08	-6.69E-08
4408	485363.1	3857877.25	7.37E-07	3.27E-07	-4.09E-07	1.62E-07	7.33E-08	-8.86E-08	7.48E-08	3.39E-08	-4.09E-08	1.62E-07	7.33E-08	-8.86E-08

4409	485863.1	3857877.25	1.03E-06	4.30E-07	-6.00E-07	2.26E-07	9.62E-08	-1.30E-07	1.05E-07	4.45E-08	-6.01E-08	2.26E-07	9.62E-08	-1.30E-07
4410	486363.1	3857877.25	1.89E-06	7.03E-07	-1.19E-06	4.15E-07	1.57E-07	-2.58E-07	1.92E-07	7.28E-08	-1.19E-07	4.15E-07	1.57E-07	-2.58E-07
4411	486863.1	3857877.25	1.53E-05	4.48E-06	-1.08E-05	3.36E-06	1.00E-06	-2.36E-06	1.55E-06	4.63E-07	-1.09E-06	3.36E-06	1.00E-06	-2.36E-06
4412	487363.1	3857877.25	6.24E-06	2.29E-06	-3.96E-06	1.37E-06	5.12E-07	-8.60E-07	6.34E-07	2.37E-07	-3.97E-07	1.37E-06	5.12E-07	-8.60E-07
4413	487863.1	3857877.25	3.04E-06	5.33E-06	2.30E-06	6.67E-07	1.19E-06	5.27E-07	3.08E-07	5.52E-07	2.44E-07	6.67E-07	1.19E-06	5.27E-07
4414	488363.1	3857877.25	2.15E-06	1.56E-06	-5.88E-07	4.72E-07	3.50E-07	-1.23E-07	2.18E-07	1.62E-07	-5.67E-08	4.72E-07	3.50E-07	-1.23E-07
4415	488863.1	3857877.25	1.70E-06	1.04E-06	-6.52E-07	3.73E-07	2.34E-07	-1.39E-07	1.72E-07	1.08E-07	-6.42E-08	3.73E-07	2.34E-07	-1.39E-07
4416	489363.1	3857877.25	1.39E-06	8.06E-07	-5.84E-07	3.05E-07	1.80E-07	-1.25E-07	1.41E-07	8.34E-08	-5.77E-08	3.05E-07	1.80E-07	-1.25E-07
4417	489863.1	3857877.25	1.18E-06	6.63E-07	-5.15E-07	2.59E-07	1.48E-07	-1.10E-07	1.20E-07	6.86E-08	-5.10E-08	2.59E-07	1.48E-07	-1.10E-07
4418	490363.1	3857877.25	1.04E-06	5.74E-07	-4.64E-07	2.28E-07	1.28E-07	-9.94E-08	1.05E-07	5.94E-08	-4.60E-08	2.28E-07	1.28E-07	-9.94E-08
4419	490863.1	3857877.25	9.27E-07	5.09E-07	-4.19E-07	2.04E-07	1.14E-07	-8.99E-08	9.42E-08	5.26E-08	-4.15E-08	2.04E-07	1.14E-07	-8.99E-08
4420	491363.1	3857877.25	7.98E-07	4.39E-07	-3.59E-07	1.75E-07	9.82E-08	-7.71E-08	8.10E-08	4.54E-08	-3.56E-08	1.75E-07	9.82E-08	-7.71E-08
4421	491863.1	3857877.25	6.72E-07	3.72E-07	-3.00E-07	1.48E-07	8.33E-08	-6.44E-08	6.82E-08	3.85E-08	-2.97E-08	1.48E-07	8.33E-08	-6.44E-08
4422	492363.1	3857877.25	5.25E-07	2.92E-07	-2.33E-07	1.15E-07	6.54E-08	-5.00E-08	5.33E-08	3.02E-08	-2.31E-08	1.15E-07	6.54E-08	-5.00E-08
4423	492863.1	3857877.25	4.30E-07	2.37E-07	-1.93E-07	9.45E-08	5.30E-08	-4.15E-08	4.37E-08	2.45E-08	-1.92E-08	9.45E-08	5.30E-08	-4.15E-08
4424	493363.1	3857877.25	3.87E-07	2.12E-07	-1.74E-07	8.50E-08	4.76E-08	-3.74E-08	3.93E-08	2.20E-08	-1.73E-08	8.50E-08	4.76E-08	-3.74E-08
4425	493863.1	3857877.25	3.63E-07	1.99E-07	-1.64E-07	7.96E-08	4.45E-08	-3.51E-08	3.68E-08	2.06E-08	-1.62E-08	7.96E-08	4.45E-08	-3.51E-08
4426	494363.1	3857877.25	3.45E-07	1.89E-07	-1.56E-07	7.59E-08	4.24E-08	-3.35E-08	3.51E-08	1.96E-08	-1.55E-08	7.59E-08	4.24E-08	-3.35E-08
4427	494863.1	3857877.25	3.23E-07	1.76E-07	-1.47E-07	7.10E-08	3.95E-08	-3.15E-08	3.28E-08	1.83E-08	-1.45E-08	7.10E-08	3.95E-08	-3.15E-08
4428	495363.1	3857877.25	3.12E-07	1.71E-07	-1.41E-07	6.86E-08	3.82E-08	-3.04E-08	3.17E-08	1.77E-08	-1.40E-08	6.86E-08	3.82E-08	-3.04E-08
4429	495863.1	3857877.25	3.03E-07	1.66E-07	-1.37E-07	6.66E-08	3.71E-08	-2.95E-08	3.08E-08	1.72E-08	-1.36E-08	6.66E-08	3.71E-08	-2.95E-08
4430	496363.1	3857877.25	3.00E-07	1.65E-07	-1.36E-07	6.60E-08	3.69E-08	-2.91E-08	3.05E-08	1.70E-08	-1.35E-08	6.60E-08	3.69E-08	-2.91E-08
4431	496863.1	3857877.25	3.00E-07	1.64E-07	-1.35E-07	6.58E-08	3.68E-08	-2.90E-08	3.04E-08	1.70E-08	-1.34E-08	6.58E-08	3.68E-08	-2.90E-08
4432	497363.1	3857877.25	2.96E-07	1.63E-07	-1.33E-07	6.50E-08	3.65E-08	-2.85E-08	3.01E-08	1.69E-08	-1.32E-08	6.50E-08	3.65E-08	-2.85E-08
4433	497863.1	3857877.25	3.11E-07	1.72E-07	-1.39E-07	6.84E-08	3.86E-08	-2.98E-08	3.16E-08	1.78E-08	-1.38E-08	6.84E-08	3.86E-08	-2.98E-08
4434	498363.1	3857877.25	3.26E-07	1.81E-07	-1.45E-07	7.15E-08	4.05E-08	-3.10E-08	3.31E-08	1.87E-08	-1.43E-08	7.15E-08	4.05E-08	-3.10E-08
4435	471363.1	3858377.25	1.07E-07	5.95E-08	-4.75E-08	2.35E-08	1.33E-08	-1.02E-08	1.09E-08	6.16E-09	-4.71E-09	2.35E-08	1.33E-08	-1.02E-08
4436	471863.1	3858377.25	1.09E-07	6.05E-08	-4.83E-08	2.39E-08	1.36E-08	-1.04E-08	1.11E-08	6.26E-09	-4.79E-09	2.39E-08	1.36E-08	-1.04E-08
4437	472363.1	3858377.25	1.11E-07	6.15E-08	-4.91E-08	2.43E-08	1.38E-08	-1.05E-08	1.12E-08	6.37E-09	-4.87E-09	2.43E-08	1.38E-08	-1.05E-08
4438	472863.1	3858377.25	1.13E-07	6.30E-08	-5.03E-08	2.49E-08	1.41E-08	-1.08E-08	1.15E-08	6.52E-09	-4.99E-09	2.49E-08	1.41E-08	-1.08E-08
4439	473363.1	3858377.25	1.20E-07	6.62E-08	-5.34E-08	2.63E-08	1.48E-08	-1.15E-08	1.21E-08	6.86E-09	-5.29E-09	2.63E-08	1.48E-08	-1.15E-08
4440	473863.1	3858377.25	1.20E-07	6.65E-08	-5.31E-08	2.63E-08	1.49E-08	-1.14E-08	1.21E-08	6.88E-09	-5.27E-09	2.63E-08	1.49E-08	-1.14E-08
4441	474363.1	3858377.25	1.12E-07	6.30E-08	-4.94E-08	2.47E-08	1.41E-08	-1.06E-08	1.14E-08	6.52E-09	-4.90E-09	2.47E-08	1.41E-08	-1.06E-08
4442	474863.1	3858377.25	1.05E-07	5.91E-08	-4.62E-08	2.31E-08	1.32E-08	-9.90E-09	1.07E-08	6.11E-09	-4.58E-09	2.31E-08	1.32E-08	-9.90E-09
4443	475363.1	3858377.25	9.36E-08	5.21E-08	-4.14E-08	2.06E-08	1.17E-08	-8.89E-09	9.50E-09	5.39E-09	-4.11E-09	2.06E-08	1.17E-08	-8.89E-09
4444	475863.1	3858377.25	8.73E-08	4.84E-08	-3.89E-08	1.92E-08	1.08E-08	-8.34E-09	8.86E-09	5.01E-09	-3.85E-09	1.92E-08	1.08E-08	-8.34E-09
4445	476363.1	3858377.25	9.00E-08	4.99E-08	-4.01E-08	1.98E-08	1.12E-08	-8.60E-09	9.13E-09	5.16E-09	-3.97E-09	1.98E-08	1.12E-08	-8.60E-09
4446	476863.1	3858377.25	9.36E-08	5.19E-08	-4.17E-08	2.06E-08	1.16E-08	-8.94E-09	9.50E-09	5.37E-09	-4.13E-09	2.06E-08	1.16E-08	-8.94E-09
4447	477363.1	3858377.25	9.53E-08	5.26E-08	-4.27E-08	2.09E-08	1.18E-08	-9.17E-09	9.68E-09	5.44E-09	-4.24E-09	2.09E-08	1.18E-08	-9.17E-09
4448	477863.1	3858377.25	1.04E-07	5.78E-08	-4.65E-08	2.29E-08	1.29E-08	-9.98E-09	1.06E-08	5.98E-09	-4.61E-09	2.29E-08	1.29E-08	-9.98E-09
4449	478363.1	3858377.25	1.10E-07	6.08E-08	-4.90E-08	2.41E-08	1.36E-08	-1.05E-08	1.11E-08	6.29E-09	-4.85E-09	2.41E-08	1.36E-08	-1.05E-08
4450	478863.1	3858377.25	1.04E-07	5.73E-08	-4.70E-08	2.29E-08	1.28E-08	-1.01E-08	1.06E-08	5.93E-09	-4.66E-09	2.29E-08	1.28E-08	-1.01E-08
4451	479363.1	3858377.25	1.40E-07	7.96E-08	-6.07E-08	3.08E-08	1.78E-08	-1.30E-08	1.42E-08	8.24E-09	-6.01E-09	3.08E-08	1.78E-08	-1.30E-08
4452	479863.1	3858377.25	1.83E-07	1.01E-07	-8.14E-08	4.01E-08	2.27E-08	-1.75E-08	1.85E-08	1.05E-08	-8.07E-09	4.01E-08	2.27E-08	-1.75E-08
4453	480363.1	3858377.25	2.07E-07	1.13E-07	-9.42E-08	4.55E-08	2.52E-08	-2.02E-08	2.10E-08	1.17E-08	-9.35E-09	4.55E-08	2.52E-08	-2.02E-08
4454	480863.1	3858377.25	2.18E-07	1.19E-07	-9.91E-08	4.78E-08	2.66E-08	-2.13E-08	2.21E-08	1.23E-08	-9.83E-09	4.78E-08	2.66E-08	-2.13E-08
4455	481363.1	3858377.25	2.32E-07	1.26E-07	-1.06E-07	5.10E-08	2.82E-08	-2.28E-08	2.36E-08	1.30E-08	-1.05E-08	5.10E-08	2.82E-08	-2.28E-08
4456	481863.1	3858377.25	2.42E-07	1.31E-07	-1.11E-07	5.32E-08	2.94E-08	-2.38E-08	2.46E-08	1.36E-08	-1.10E-08	5.32E-08	2.94E-08	-2.38E-08
4457	482363.1	3858377.25	2.63E-07	1.41E-07	-1.22E-07	5.77E-08	3.16E-08	-2.62E-08	2.67E-08	1.46E-08	-1.21E-08	5.77E-08	3.16E-08	-2.62E-08
4458	482863.1	3858377.25	2.98E-07	1.55E-07	-1.43E-07	6.54E-08	3.47E-08	-3.08E-08	3.02E-08	1.60E-08	-1.42E-08	6.54E-08	3.47E-08	-3.08E-08
4459	483363.1	3858377.25	3.30E-07	1.67E-07	-1.63E-07	7.25E-08	3.74E-08	-3.51E-08	3.35E-08	1.73E-08	-1.62E-08	7.25E-08	3.74E-08	-3.51E-08
4460	483863.1	3858377.25	3.59E-07	1.79E-07	-1.80E-07	7.89E-08	4.02E-08	-3.87E-08	3.64E-08	1.86E-08	-1.79E-08	7.89E-08	4.02E-08	-3.87E-08
4461	484363.1	3858377.25	3.98E-07	1.97E-07	-2.01E-07	8.74E-08	4.41E-08	-4.33E-08	4.04E-08	2.04E-08	-2.00E-08	8.74E-08	4.41E-08	-4.33E-08
4462	484863.1	3858377.25	4.56E-07	2.22E-07	-2.34E-07	1.00E-07	4.97E-08	-5.05E-08	4.63E-08	2.30E-08	-2.33E-08	1.00E-07	4.97E-08	-5.05E-08
4463	485363.1	3858377.25	5.42E-07	2.58E-07	-2.84E-07	1.19E-07	5.78E-08	-6.14E-08	5.51E-08	2.67E-08	-2.84E-08	1.19E-07	5.78E-08	-6.14E-08
4464	485863.1	3858377.25	6.63E-07	3.07E-07	-3.56E-07	1.46E-07	6.87E-08	-7.69E-08	6.73E-08	3.18E-08	-3.56E-08	1.46E-07	6.87E-08	-7.69E-08
4465	486363.1	3858377.25	8.55E-07	3.82E-07	-4.72E-07	1.88E-07	8.56E-08	-1.02E-07	8.68E-08	3.95E-08	-4.72E-08	1.88E-07	8.56E-08	-1.02E-07
4466	486863.1	3858377.25	1.23E-06	5.23E-07	-7.10E-07	2.71E-07	1.17E-07	-1.54E-07	1.25E-07	5.41E-08	-7.10E-08	2.71E-07	1.17E-07	-1.54E-07
4467	487363.1	3858377.25	2.44E-06	9.33E-07	-1.51E-06	5.36E-07	2.09E-07	-3.27E-07	2.48E-07	9.66E-08	-1.51E-07	5.36E-07	2.09E-07	-3.27E-07
4468	487863.1	3858377.25	4.15E-05	1.20E-05	-2.95E-05	9.11E-06	2.68E-06	-6.43E-06	4.21E-06	1.24E-06	-2.97E-06	9.11E-06	2.68E-06	-6.43E-06
4469	488363.1	3858377.25	5.69E-06	7.45E-06	1.76E-06	1.25E-06	1.67E-06	4.19E-07	5.78E-07	7.71E-07	1.94E-07	1.25E-06	1.67E-06	4.19E-07
4470	488863.1	3858377.25	3.05E-06	1.89E-06	-1.16E-06	6.70E-07	4.22E-07	-2.48E-07	3.10E-07	1.95E-07	-1.14E-07	6.70E-07	4.22E-07	-2.48E-07
4471	489363.1	3858377.25	2.11E-06	1.19E-06	-9.26E-07	4.64E-07	2.66E-07	-1.98E-07	2.15E-07	1.23E-07	-9.17E-08	4.64E-07	2.66E-07	-1.98E-07
4472	489863.1	3858377.25	1.64E-06	8.96E-07	-7.45E-07	3.60E-07	2.01E-07	-1.60E-07	1.67E-07	9.27E-08	-7.39E-08	3.60E-07	2.01E-07	-1.60E-07
4473	490363.1	3858377.25	1.35E-06	7.30E-07	-6.21E-07	2.97E-07	1.64E-07	-1.33E-07	1.37E-07	7.56E-08	-6.16E-08	2.97E-07	1.64E-07	-1.33E-07
4474	490863.1	3858377.25	1.15E-06	6.21E-07	-5.32E-07	2.53E-07	1.39E-07	-1.14E-07	1.17E-07	6.42E-08	-5.29E-08	2.53E-07	1.39E-07	-1.14E-07
4475	491363.1	3858377.25	9.43E-07	5.09E-07	-4.34E-07	2.07E-07	1.14E-07	-9.32E-08	9.57E-08	5.27E-08	-4.31E-08	2.07E-07	1.14E-07	-9.32E-08
4476	491863.1	3858377.25	7.12E-07	3.88E-07	-3.24E-07	1.56E-07	8.68E-08	-6.96E-08	7.22E-08	4.01E-08	-3.21E-08	1.56E-07	8.68E-08	-6.96E-08
4477	492363.1	3858377.25	5.51E-07	3.00E-07	-2.50E-07	1.21E-07	6.72E-08	-5.37E-08	5.59E-08	3.11E-08	-2.48E-08	1.21E-07	6.72E-08	-5.37E-08
4478	492863.1	3858377.25	5.40E-07	2.96E-07	-2.44E-07	1.19E-07	6.63E-08	-5.23E-08	5.48E-08	3.06E-08	-2.42E-08	1.19E-07	6.63E-08	-5.23E-08
4479	493363.1	3858377.25	4.83E-07	2.65E-07	-2.18E-07	1.06E-07	5.93E-08	-4.68E-08	4.90E-08	2.74E-08	-2.16E-08	1.06E-07	5.93E-08	-4.68E-08
4480	493863.1	3858377.25	4.45E-07	2.44E-07	-2.01E-07	9.78E-08	5.47E-08	-4.32E-08	4.52E-08	2.53E-08	-1.99E-08	9.78E-08	5.47E-08	-4.32E-08
4481	494363.1	3858377.25	4.09E-07	2.25E-07	-1.84E-07	8.99E-08	5.03E-08	-3.96E-08	4.16E-08	2.33E-08	-1.83E-08	8.99E-08	5.03E-08	-3.96E-08
4482	494863.1	3858377.25	3.83E-07	2.10E-07	-1.73E-07	8.42E-08	4.71E-08	-3.71E-08	3.89E-08	2.17E-08	-1.72E-08	8.42E-08	4.71E-08	-3.71E-08
4483	495363.1	3858377.25	3.56E-07	1.95E-07	-1.61E-07	7.83E-08	4.37E-08	-3.45E-08	3.62E-08	2.02E-08	-1.60E-08	7.83E-08	4.37E-08	-3.45E-08
4484	495863.1	3858377.25	3.46E-07	1.90E-07	-1.56E-07	7.61E-08	4.26E-08	-3.35E-08	3.52E-08	1.97E-08	-1.55E-08	7.61E-08	4.26E-08	-3.35E-08
4485	496363.1	3858377.25	3.36E-07	1.85E-07	-1.52E-07	7.39E-08	4.14E-08	-3.25E-08	3.42E-08	1.91E-08	-1.50E-08	7.39E-08	4.14E-08	-3.25E-08
4486	496863.1	3858377.25	3.38E-07	1.86E-07	-1.52E-07	7.43E-08	4.17E-08	-3.26E-08	3.43E-08	1.93E-08	-1.51E-08	7.43E-08	4.17E-08	-3.26E-08
4487	497363.1	3858377.25	3.35E-07	1.85E-07	-1.50E-07	7.35E-08	4.13E-08	-3.22E-08	3.40E-08	1.91E-08	-1.49E-08	7.35E-08	4.13E-08	-3.22E-08
4488	497863.1	3858377.25	3.48E-07	1.93E-07	-1.56E-07	7.65E-08	4.31E-08	-3.34E-08	3.53E-08	1.99E-08	-1.54E-08	7.65E-08	4.31E-08	-3.34E-08
4489	498363.1	3858377.25	3.68E-07	2.04E-07	-1.64E-07	8.08E-08	4.56E-08	-3.52E-08	3.74E-08	2.11E-08	-1.63E-08	8.08E-08	4.56E-08	-3.52E-08
4490	471363.1	3858877.25	1.04E-07	5.81E-08	-4.63E-08	2.29E-08	1.30E-08	-9.93E-09	1.06E-08	6.01E-09	-4.59E-09	2.29E-08	1.30E-08	-9.93E-09
4491	471863.1	3858877.25	1.06E-07	5.88E-08	-4.73E-08	2.33E-08	1.32E-08	-1.02E-08	1.08E-08	6.09E-09	-4.69E-09	2.33E-08	1.32E-08	-1.02E-08
4492	472363.1	3858877.25	1.10E-07	6.08E-08	-4.90E-08	2.41E-08	1.36E-08	-1.05E-08	1.11E-08	6.29E-09	-4.85E-09	2.41E-08	1.36E-08	-1.05E-08
4493	472863.1	3858877.25	1.12E-07	6.23E-08	-5.02E-08	2.47E-08	1.39E-08	-1.08E-08	1.14E-08	6.44E-09	-4.97E-09	2.47E-08	1.39E-08	-1.08E-08
4494	473363.1	3858877.25	1.17E-07	6.48E-08	-5.22E-08	2.57E-08	1.45E-08	-1.12E-08	1.19E-08	6.70E-09	-5.17E-09	2.57E-08	1.45E-08	-1.12E-08
4495	473863.1	3858877.25	1.18E-07	6.53E-08	-5.26E-08	2.59E-08	1.46E-08	-1.13E-08	1.20E-08	6.75E-09	-5.21E-09	2.59E-08	1.46E-08	-1.13E-08
4496	474363.1	3858877.25	1.12E-07	6.25E-08	-4.90E-08	2.45E-08	1.40E-08	-1.05E-08	1.13E-08	6.47E-09	-4.86E-09	2.45E-08	1.40E-08	-1.05E-08
4497	474863.1	3858877.25	8.82E-08	4.94E-08	-3.88E-08	1.94E-08	1.11E-08	-8.31E-09	8.95E-09	5.11E-09	-3.84E-09	1.94E-08	1.11E-08	-8.31E-09
4498	475363.1	3858877.25	8.28E-08	4.59E-08	-3.69E-08	1.82E-08	1.03E-08	-7.90E-09	8.40E-09	4.75E-09	-3.65E-09	1.82E-08	1.03E-08	-7.90E-09
4499	475863.1	3858877.25	8.64E-08	4.79E-08	-3.85E-08	1.90E-08	1.07E-08	-8.25E-09	8.77E-09	4.96E-09	-3.81E-09	1.90E-08	1.07E-08	-8.25E-09
4500	476363.1	3858877.25	7.83E-08	4.29E-08	-3.53E-08	1.72E-08	9.61E-09	-7.58E-09	7.95E-09	4.44E-09	-3.50E-09	1.72E-08	9.61E-09	-7.58E-09
4501	476863.1	3858877.25	8.46E-08	4.64E-08	-3.82E-08	1.86E-08	1.04E-08	-8.19E-09	8.59E-09	4.80E-09	-3.78E-09	1.86E-08	1.04E-08	-8.19E-09
4502	477363.1	3858877.25	8.64E-08	4.76E-08	-3.87E-08	1.90E-08	1.07E-08	-8.31E-09	8.77E-09	4.93E-09	-3.84E-09	1.90E-08	1.07E-08	-8.31E-09
4503	477863.1	3858877.25	9.27E-08	5.11E-08	-4.15E-08	2.04E-08	1.14E-08	-8.91E-09	9.41E-09	5.29E-09	-4.12E-09	2.04E-08	1.14E-08	-8.91E-09
4504	478363.1	3858877.25	1.12E-07	6.35E-08	-4.89E-08	2.47E-08	1.42E-08	-1.05E-08	1.14E-08	6.57E-09	-4.84E-09	2.47E-08	1.42E-08	-1.05E-08
4505	478863.1	3858877.25	1.11E-07	6.20E-08	-4.86E-08	2.43E-08	1.39E-08	-1.04E-08	1.12E-08	6.42E-09	-4.82E-09	2.43E-08	1.39E-08	-1.04E-08
4506	479363.1	3858877.25	1.10E-07	6.10E-08	-4.87E-08	2.41E-08	1.37E-08	-1.04E-08	1.11E-08	6.32E-09	-4.83E-09	2.41E-08	1.37E-08	-1.04E-08
4507	479863.1	3858877.25	1.75E-07	9.63E-08	-7.91E-08	3.85E-08	2.16E-08	-1.70E-08	1.78E-08	9.96E-09	-7.85E-09	3.85E-08	2.16E-08	-1.70E-08
4508	480363.1	3858877.25	1.91E-07	1.03E-07	-8.72E-08	4.19E-08	2.32E-08	-1.87E-08	1.94E-08	1.07E-08	-8.66E-09	4.19E-08	2.32E-08	-1.87E-08
4509	480863.1	3858877.25	2.03E-07	1.10E-07	-9.36E-08	4.47E-08	2.46E-08	-2.01E-08	2.06E-08	1.13E-08	-9.29E-09	4.47E-08	2.46E-08	-2.01E-08
4510	481363.1	3858877.25	2.15E-07	1.16E-07	-9.94E-08	4.72E-08	2.59E-08	-2.13E-08	2.18E-08	1.20E-08	-9.87E-09	4.72E-08	2.59E-08	-2.13E-08
4511	481863.1	3858877.25	2.28E-07	1.23E-07	-1.05E-07	5.00E-08	2.74E-08	-2.26E-08	2.31E-08	1.27E-08	-1.04E-08	5.00E-08	2.74E-08	-2.26E-08
4512	482363.1	3858877.25	2.43E-07	1.30E-07	-1.13E-07	5.34E-08	2.92E-08	-2.42E-08	2.47E-08	1.35E-08	-1.12E-08	5.34E-08	2.92E-08	-2.42E-08
4513	482863.1	3858877.25	2.60E-07	1.39E-07	-1.21E-07	5.71E-08	3.12E-08	-2.59E-08	2.64E-08	1.44E-08	-1.20E-08	5.71E-08	3.12E-08	-2.59E-08

4514	483363.1	3858877.25	3.04E-07	1.57E-07	-1.47E-07	6.68E-08	3.51E-08	-3.17E-08	3.09E-08	1.62E-08	-1.47E-08	6.68E-08	3.51E-08	-3.17E-08
4515	483863.1	3858877.25	3.25E-07	1.66E-07	-1.59E-07	7.13E-08	3.71E-08	-3.42E-08	3.30E-08	1.72E-08	-1.58E-08	7.13E-08	3.71E-08	-3.42E-08
4516	484363.1	3858877.25	3.49E-07	1.77E-07	-1.72E-07	7.67E-08	3.97E-08	-3.70E-08	3.54E-08	1.83E-08	-1.71E-08	7.67E-08	3.97E-08	-3.70E-08
4517	484863.1	3858877.25	3.80E-07	1.92E-07	-1.89E-07	8.36E-08	4.29E-08	-4.07E-08	3.86E-08	1.98E-08	-1.88E-08	8.36E-08	4.29E-08	-4.07E-08
4518	485363.1	3858877.25	4.30E-07	2.14E-07	-2.16E-07	9.45E-08	4.78E-08	-4.66E-08	4.37E-08	2.21E-08	-2.16E-08	9.45E-08	4.78E-08	-4.66E-08
4519	485863.1	3858877.25	4.97E-07	2.44E-07	-2.53E-07	1.09E-07	5.47E-08	-5.46E-08	5.05E-08	2.53E-08	-2.52E-08	1.09E-07	5.47E-08	-5.46E-08
4520	486363.1	3858877.25	5.84E-07	2.83E-07	-3.01E-07	1.28E-07	6.34E-08	-6.49E-08	5.93E-08	2.93E-08	-3.00E-08	1.28E-07	6.34E-08	-6.49E-08
4521	486863.1	3858877.25	7.11E-07	3.41E-07	-3.69E-07	1.56E-07	7.64E-08	-7.97E-08	7.22E-08	3.53E-08	-3.69E-08	1.56E-07	7.64E-08	-7.97E-08
4522	487363.1	3858877.25	9.33E-07	4.42E-07	-4.90E-07	2.05E-07	9.91E-08	-1.06E-07	9.47E-08	4.58E-08	-4.89E-08	2.05E-07	9.91E-08	-1.06E-07
4523	487863.1	3858877.25	1.38E-06	6.39E-07	-7.38E-07	3.03E-07	1.43E-07	-1.59E-07	1.40E-07	6.62E-08	-7.37E-08	3.03E-07	1.43E-07	-1.59E-07
4524	488363.1	3858877.25	3.10E-06	1.36E-06	-1.74E-06	6.80E-07	3.04E-07	-3.76E-07	3.14E-07	1.41E-07	-1.74E-07	6.80E-07	3.04E-07	-3.76E-07
4525	488863.1	3858877.25	2.13E-05	1.45E-05	-6.87E-06	4.68E-06	3.24E-06	-1.45E-06	2.17E-06	1.50E-06	-6.69E-07	4.68E-06	3.24E-06	-1.45E-06
4526	489363.1	3858877.25	4.90E-06	2.73E-06	-2.18E-06	1.08E-06	6.10E-07	-4.67E-07	4.98E-07	2.82E-07	-2.16E-07	1.08E-06	6.10E-07	-4.67E-07
4527	489863.1	3858877.25	2.84E-06	1.53E-06	-1.31E-06	6.23E-07	3.42E-07	-2.81E-07	2.88E-07	1.58E-07	-1.30E-07	6.23E-07	3.42E-07	-2.81E-07
4528	490363.1	3858877.25	1.97E-06	1.06E-06	-9.12E-07	4.33E-07	2.37E-07	-1.96E-07	2.00E-07	1.10E-07	-9.06E-08	4.33E-07	2.37E-07	-1.96E-07
4529	490863.1	3858877.25	1.40E-06	7.52E-07	-6.44E-07	3.07E-07	1.68E-07	-1.38E-07	1.42E-07	7.78E-08	-6.40E-08	3.07E-07	1.68E-07	-1.38E-07
4530	491363.1	3858877.25	9.96E-07	5.39E-07	-4.57E-07	2.19E-07	1.21E-07	-9.81E-08	1.01E-07	5.58E-08	-4.53E-08	2.19E-07	1.21E-07	-9.81E-08
4531	491863.1	3858877.25	7.56E-07	4.10E-07	-3.45E-07	1.66E-07	9.19E-08	-7.41E-08	7.67E-08	4.25E-08	-3.43E-08	1.66E-07	9.19E-08	-7.41E-08
4532	492363.1	3858877.25	7.39E-07	4.02E-07	-3.38E-07	1.62E-07	8.99E-08	-7.25E-08	7.51E-08	4.16E-08	-3.35E-08	1.62E-07	8.99E-08	-7.25E-08
4533	492863.1	3858877.25	7.51E-07	4.08E-07	-3.43E-07	1.65E-07	9.13E-08	-7.37E-08	7.63E-08	4.22E-08	-3.41E-08	1.65E-07	9.13E-08	-7.37E-08
4534	493363.1	3858877.25	6.62E-07	3.61E-07	-3.01E-07	1.45E-07	8.09E-08	-6.46E-08	6.72E-08	3.74E-08	-2.98E-08	1.45E-07	8.09E-08	-6.46E-08
4535	493863.1	3858877.25	5.64E-07	3.09E-07	-2.55E-07	1.24E-07	6.92E-08	-5.47E-08	5.73E-08	3.20E-08	-2.53E-08	1.24E-07	6.92E-08	-5.47E-08
4536	494363.1	3858877.25	5.15E-07	2.83E-07	-2.32E-07	1.13E-07	6.33E-08	-4.98E-08	5.22E-08	2.92E-08	-2.30E-08	1.13E-07	6.33E-08	-4.98E-08
4537	494863.1	3858877.25	4.68E-07	2.57E-07	-2.10E-07	1.03E-07	5.76E-08	-4.52E-08	4.75E-08	2.66E-08	-2.09E-08	1.03E-07	5.76E-08	-4.52E-08
4538	495363.1	3858877.25	4.30E-07	2.36E-07	-1.94E-07	9.45E-08	5.29E-08	-4.15E-08	4.37E-08	2.45E-08	-1.92E-08	9.45E-08	5.29E-08	-4.15E-08
4539	495863.1	3858877.25	4.07E-07	2.24E-07	-1.83E-07	8.93E-08	5.02E-08	-3.92E-08	4.13E-08	2.32E-08	-1.81E-08	8.93E-08	5.02E-08	-3.92E-08
4540	496363.1	3858877.25	3.94E-07	2.17E-07	-1.77E-07	8.66E-08	4.87E-08	-3.79E-08	4.00E-08	2.25E-08	-1.75E-08	8.66E-08	4.87E-08	-3.79E-08
4541	496863.1	3858877.25	3.84E-07	2.12E-07	-1.72E-07	8.44E-08	4.74E-08	-3.69E-08	3.90E-08	2.19E-08	-1.71E-08	8.44E-08	4.74E-08	-3.69E-08
4542	497363.1	3858877.25	3.75E-07	2.07E-07	-1.68E-07	8.24E-08	4.64E-08	-3.60E-08	3.81E-08	2.14E-08	-1.66E-08	8.24E-08	4.64E-08	-3.60E-08
4543	497863.1	3858877.25	3.92E-07	2.17E-07	-1.76E-07	8.62E-08	4.85E-08	-3.77E-08	3.98E-08	2.24E-08	-1.74E-08	8.62E-08	4.85E-08	-3.77E-08
4544	498363.1	3858877.25	4.12E-07	2.27E-07	-1.85E-07	9.05E-08	5.09E-08	-3.96E-08	4.18E-08	2.35E-08	-1.83E-08	9.05E-08	5.09E-08	-3.96E-08
4545	471363.1	3859377.25	1.02E-07	5.63E-08	-4.53E-08	2.23E-08	1.26E-08	-9.72E-09	1.03E-08	5.83E-09	-4.49E-09	2.23E-08	1.26E-08	-9.72E-09
4546	471863.1	3859377.25	1.04E-07	5.78E-08	-4.65E-08	2.29E-08	1.29E-08	-9.98E-09	1.06E-08	5.98E-09	-4.61E-09	2.29E-08	1.29E-08	-9.98E-09
4547	472363.1	3859377.25	1.07E-07	5.93E-08	-4.77E-08	2.35E-08	1.33E-08	-1.02E-08	1.09E-08	6.14E-09	-4.73E-09	2.35E-08	1.33E-08	-1.02E-08
4548	472863.1	3859377.25	1.11E-07	6.10E-08	-4.96E-08	2.43E-08	1.37E-08	-1.06E-08	1.12E-08	6.32E-09	-4.92E-09	2.43E-08	1.37E-08	-1.06E-08
4549	473363.1	3859377.25	1.14E-07	6.28E-08	-5.15E-08	2.51E-08	1.41E-08	-1.10E-08	1.16E-08	6.50E-09	-5.10E-09	2.51E-08	1.41E-08	-1.10E-08
4550	473863.1	3859377.25	1.16E-07	6.38E-08	-5.23E-08	2.55E-08	1.43E-08	-1.12E-08	1.18E-08	6.60E-09	-5.18E-09	2.55E-08	1.43E-08	-1.12E-08
4551	474363.1	3859377.25	1.10E-07	6.10E-08	-4.87E-08	2.41E-08	1.37E-08	-1.04E-08	1.11E-08	6.32E-09	-4.83E-09	2.41E-08	1.37E-08	-1.04E-08
4552	474863.1	3859377.25	9.80E-08	5.51E-08	-4.30E-08	2.15E-08	1.23E-08	-9.21E-09	9.96E-09	5.70E-09	-4.26E-09	2.15E-08	1.23E-08	-9.21E-09
4553	475363.1	3859377.25	8.64E-08	4.84E-08	-3.80E-08	1.90E-08	1.08E-08	-8.14E-09	8.77E-09	5.01E-09	-3.76E-09	1.90E-08	1.08E-08	-8.14E-09
4554	475863.1	3859377.25	7.83E-08	4.34E-08	-3.48E-08	1.72E-08	9.72E-09	-7.47E-09	7.95E-09	4.49E-09	-3.45E-09	1.72E-08	9.72E-09	-7.47E-09
4555	476363.1	3859377.25	7.74E-08	4.27E-08	-3.47E-08	1.70E-08	9.56E-09	-7.44E-09	7.86E-09	4.42E-09	-3.44E-09	1.70E-08	9.56E-09	-7.44E-09
4556	476863.1	3859377.25	7.47E-08	4.09E-08	-3.37E-08	1.64E-08	9.17E-09	-7.24E-09	7.58E-09	4.24E-09	-3.34E-09	1.64E-08	9.17E-09	-7.24E-09
4557	477363.1	3859377.25	7.74E-08	4.27E-08	-3.47E-08	1.70E-08	9.56E-09	-7.44E-09	7.86E-09	4.42E-09	-3.44E-09	1.70E-08	9.56E-09	-7.44E-09
4558	477863.1	3859377.25	9.00E-08	5.01E-08	-3.98E-08	1.98E-08	1.12E-08	-8.54E-09	9.13E-09	5.19E-09	-3.95E-09	1.98E-08	1.12E-08	-8.54E-09
4559	478363.1	3859377.25	1.03E-07	5.78E-08	-4.47E-08	2.25E-08	1.29E-08	-9.59E-09	1.04E-08	5.98E-09	-4.43E-09	2.25E-08	1.29E-08	-9.59E-09
4560	478863.1	3859377.25	1.21E-07	6.82E-08	-5.23E-08	2.65E-08	1.53E-08	-1.12E-08	1.22E-08	7.06E-09	-5.18E-09	2.65E-08	1.53E-08	-1.12E-08
4561	479363.1	3859377.25	1.40E-07	7.84E-08	-6.19E-08	3.08E-08	1.76E-08	-1.33E-08	1.42E-08	8.11E-09	-6.14E-09	3.08E-08	1.76E-08	-1.33E-08
4562	479863.1	3859377.25	1.58E-07	8.71E-08	-7.12E-08	3.48E-08	1.95E-08	-1.53E-08	1.61E-08	9.01E-09	-7.06E-09	3.48E-08	1.95E-08	-1.53E-08
4563	480363.1	3859377.25	1.75E-07	9.53E-08	-8.01E-08	3.85E-08	2.13E-08	-1.72E-08	1.78E-08	9.86E-09	-7.95E-09	3.85E-08	2.13E-08	-1.72E-08
4564	480863.1	3859377.25	1.89E-07	1.02E-07	-8.72E-08	4.15E-08	2.28E-08	-1.87E-08	1.92E-08	1.05E-08	-8.65E-09	4.15E-08	2.28E-08	-1.87E-08
4565	481363.1	3859377.25	2.00E-07	1.07E-07	-9.25E-08	4.39E-08	2.40E-08	-1.99E-08	2.03E-08	1.11E-08	-9.19E-09	4.39E-08	2.40E-08	-1.99E-08
4566	481863.1	3859377.25	2.10E-07	1.13E-07	-9.78E-08	4.62E-08	2.52E-08	-2.10E-08	2.14E-08	1.17E-08	-9.72E-09	4.62E-08	2.52E-08	-2.10E-08
4567	482363.1	3859377.25	2.23E-07	1.19E-07	-1.04E-07	4.90E-08	2.67E-08	-2.23E-08	2.27E-08	1.23E-08	-1.03E-08	4.90E-08	2.67E-08	-2.23E-08
4568	482863.1	3859377.25	2.37E-07	1.26E-07	-1.11E-07	5.22E-08	2.83E-08	-2.39E-08	2.41E-08	1.31E-08	-1.10E-08	5.22E-08	2.83E-08	-2.39E-08
4569	483363.1	3859377.25	2.64E-07	1.38E-07	-1.26E-07	5.79E-08	3.08E-08	-2.71E-08	2.68E-08	1.43E-08	-1.25E-08	5.79E-08	3.08E-08	-2.71E-08
4570	483863.1	3859377.25	2.85E-07	1.48E-07	-1.38E-07	6.27E-08	3.31E-08	-2.96E-08	2.90E-08	1.53E-08	-1.37E-08	6.27E-08	3.31E-08	-2.96E-08
4571	484363.1	3859377.25	3.09E-07	1.60E-07	-1.49E-07	6.78E-08	3.57E-08	-3.21E-08	3.13E-08	1.65E-08	-1.48E-08	6.78E-08	3.57E-08	-3.21E-08
4572	484863.1	3859377.25	3.36E-07	1.73E-07	-1.63E-07	7.37E-08	3.87E-08	-3.50E-08	3.41E-08	1.79E-08	-1.62E-08	7.37E-08	3.87E-08	-3.50E-08
4573	485363.1	3859377.25	3.70E-07	1.90E-07	-1.80E-07	8.12E-08	4.25E-08	-3.87E-08	3.75E-08	1.96E-08	-1.79E-08	8.12E-08	4.25E-08	-3.87E-08
4574	485863.1	3859377.25	4.11E-07	2.10E-07	-2.01E-07	9.03E-08	4.69E-08	-4.34E-08	4.17E-08	2.17E-08	-2.00E-08	9.03E-08	4.69E-08	-4.34E-08
4575	486363.1	3859377.25	4.58E-07	2.32E-07	-2.25E-07	1.01E-07	5.21E-08	-4.85E-08	4.65E-08	2.41E-08	-2.24E-08	1.01E-07	5.21E-08	-4.85E-08
4576	486863.1	3859377.25	5.18E-07	2.62E-07	-2.56E-07	1.14E-07	5.87E-08	-5.52E-08	5.26E-08	2.71E-08	-2.55E-08	1.14E-07	5.87E-08	-5.52E-08
4577	487363.1	3859377.25	6.03E-07	3.06E-07	-2.97E-07	1.32E-07	6.85E-08	-6.39E-08	6.12E-08	3.17E-08	-2.95E-08	1.32E-07	6.85E-08	-6.39E-08
4578	487863.1	3859377.25	7.39E-07	3.78E-07	-3.61E-07	1.62E-07	8.46E-08	-7.76E-08	7.50E-08	3.91E-08	-3.59E-08	1.62E-07	8.46E-08	-7.76E-08
4579	488363.1	3859377.25	9.80E-07	5.05E-07	-4.74E-07	2.15E-07	1.13E-07	-1.02E-07	9.95E-08	5.23E-08	-4.72E-08	2.15E-07	1.13E-07	-1.02E-07
4580	488863.1	3859377.25	1.53E-06	8.04E-07	-7.26E-07	3.36E-07	1.80E-07	-1.56E-07	1.55E-07	8.32E-08	-7.22E-08	3.36E-07	1.80E-07	-1.56E-07
4581	489363.1	3859377.25	4.13E-06	2.21E-06	-1.92E-06	9.07E-07	4.96E-07	-4.12E-07	4.19E-07	2.29E-07	-1.90E-07	9.07E-07	4.96E-07	-4.12E-07
4582	489863.1	3859377.25	1.34E-05	7.44E-06	-5.94E-06	2.94E-06	1.67E-06	-1.27E-06	1.36E-06	7.70E-07	-5.88E-07	2.94E-06	1.67E-06	-1.27E-06
4583	490363.1	3859377.25	4.28E-06	2.34E-06	-1.93E-06	9.40E-07	5.25E-07	-4.15E-07	4.35E-07	2.43E-07	-1.92E-07	9.40E-07	5.25E-07	-4.15E-07
4584	490863.1	3859377.25	2.35E-06	1.28E-06	-1.07E-06	5.15E-07	2.87E-07	-2.29E-07	2.38E-07	1.32E-07	-1.06E-07	5.15E-07	2.87E-07	-2.29E-07
4585	491363.1	3859377.25	1.39E-06	7.61E-07	-6.29E-07	3.05E-07	1.70E-07	-1.35E-07	1.41E-07	7.87E-08	-6.24E-08	3.05E-07	1.70E-07	-1.35E-07
4586	491863.1	3859377.25	1.31E-06	7.14E-07	-5.95E-07	2.88E-07	1.60E-07	-1.28E-07	1.33E-07	7.39E-08	-5.90E-08	2.88E-07	1.60E-07	-1.28E-07
4587	492363.1	3859377.25	1.12E-06	6.08E-07	-5.08E-07	2.45E-07	1.36E-07	-1.09E-07	1.13E-07	6.29E-08	-5.04E-08	2.45E-07	1.36E-07	-1.09E-07
4588	492863.1	3859377.25	9.98E-07	5.43E-07	-4.55E-07	2.19E-07	1.22E-07	-9.76E-08	1.01E-07	5.62E-08	-4.51E-08	2.19E-07	1.22E-07	-9.76E-08
4589	493363.1	3859377.25	8.38E-07	4.56E-07	-3.82E-07	1.84E-07	1.02E-07	-8.20E-08	8.51E-08	4.72E-08	-3.79E-08	1.84E-07	1.02E-07	-8.20E-08
4590	493863.1	3859377.25	7.59E-07	4.13E-07	-3.46E-07	1.67E-07	9.26E-08	-7.42E-08	7.71E-08	4.28E-08	-3.43E-08	1.67E-07	9.26E-08	-7.42E-08
4591	494363.1	3859377.25	6.78E-07	3.70E-07	-3.08E-07	1.49E-07	8.29E-08	-6.61E-08	6.89E-08	3.83E-08	-3.06E-08	1.49E-07	8.29E-08	-6.61E-08
4592	494863.1	3859377.25	5.80E-07	3.18E-07	-2.62E-07	1.27E-07	7.12E-08	-5.63E-08	5.89E-08	3.29E-08	-2.60E-08	1.27E-07	7.12E-08	-5.63E-08
4593	495363.1	3859377.25	5.39E-07	2.96E-07	-2.43E-07	1.18E-07	6.63E-08	-5.21E-08	5.47E-08	3.06E-08	-2.41E-08	1.18E-07	6.63E-08	-5.21E-08
4594	495863.1	3859377.25	4.95E-07	2.72E-07	-2.23E-07	1.09E-07	6.09E-08	-4.78E-08	5.02E-08	2.82E-08	-2.21E-08	1.09E-07	6.09E-08	-4.78E-08
4595	496363.1	3859377.25	4.77E-07	2.62E-07	-2.14E-07	1.05E-07	5.87E-08	-4.60E-08	4.84E-08	2.71E-08	-2.13E-08	1.05E-07	5.87E-08	-4.60E-08
4596	496863.1	3859377.25	4.39E-07	2.42E-07	-1.97E-07	9.64E-08	5.41E-08	-4.23E-08	4.46E-08	2.50E-08	-1.96E-08	9.64E-08	5.41E-08	-4.23E-08
4597	497363.1	3859377.25	4.39E-07	2.42E-07	-1.97E-07	9.64E-08	5.41E-08	-4.23E-08	4.46E-08	2.50E-08	-1.96E-08	9.64E-08	5.41E-08	-4.23E-08
4598	497863.1	3859377.25	4.56E-07	2.51E-07	-2.05E-07	1.00E-07	5.61E-08	-4.41E-08	4.63E-08	2.59E-08	-2.04E-08	1.00E-07	5.61E-08	-4.41E-08
4599	498363.1	3859377.25	4.72E-07	2.59E-07	-2.13E-07	1.04E-07	5.79E-08	-4.58E-08	4.80E-08	2.68E-08	-2.12E-08	1.04E-07	5.79E-08	-4.58E-08
4600	471363.1	3859877.25	9.98E-08	5.51E-08	-4.48E-08	2.19E-08	1.23E-08	-9.60E-09	1.01E-08	5.70E-09	-4.44E-09	2.19E-08	1.23E-08	-9.60E-09
4601	471863.1	3859877.25	1.03E-07	5.66E-08	-4.60E-08	2.25E-08	1.27E-08	-9.86E-09	1.04E-08	5.85E-09	-4.56E-09	2.25E-08	1.27E-08	-9.86E-09
4602	472363.1	3859877.25	1.04E-07	5.76E-08	-4.68E-08	2.29E-08	1.29E-08	-1.00E-08	1.06E-08	5.96E-09	-4.64E-09	2.29E-08	1.29E-08	-1.00E-08
4603	472863.1	3859877.25	1.08E-07	5.93E-08	-4.86E-08	2.37E-08	1.33E-08	-1.04E-08	1.10E-08	6.14E-09	-4.82E-09	2.37E-08	1.33E-08	-1.04E-08
4604	473363.1	3859877.25	1.11E-07	6.08E-08	-4.99E-08	2.43E-08	1.36E-08	-1.07E-08	1.12E-08	6.29E-09	-4.94E-09	2.43E-08	1.36E-08	-1.07E-08
4605	473863.1	3859877.25	1.13E-07	6.23E-08	-5.11E-08	2.49E-08	1.39E-08	-1.10E-08	1.15E-08	6.44E-09	-5.06E-09	2.49E-08	1.39E-08	-1.10E-08
4606	474363.1	3859877.25	1.09E-07	6.05E-08	-4.83E-08	2.39E-08	1.36E-08	-1.04E-08	1.11E-08	6.26E-09	-4.79E-09	2.39E-08	1.36E-08	-1.04E-08
4607	474863.1	3859877.25	1.02E-07	5.71E-08	-4.46E-08	2.23E-08	1.28E-08	-9.55E-09	1.03E-08	5.91E-09	-4.42E-09	2.23E-08	1.28E-08	-9.55E-09
4608	475363.1	3859877.25	8.82E-08	4.94E-08	-3.88E-08	1.94E-08	1.11E-08	-8.31E-09	8.95E-09	5.11E-09	-3.84E-09	1.94E-08	1.11E-08	-8.31E-09
4609	475863.1	3859877.25	7.56E-08	4.19E-08	-3.36E-08	1.66E-08	9.39E-09	-7.21E-09	7.67E-09	4.34E-09	-3.33E-09	1.66E-08	9.39E-09	-7.21E-09
4610	476363.1	3859877.25	6.75E-08	3.72E-08	-3.02E-08	1.48E-08	8.33E-09	-6.49E-09	6.85E-09	3.85E-09	-3.00E-09	1.48E-08	8.33E-09	-6.49E-09
4611	476863.1	3859877.25	7.11E-08	3.92E-08	-3.19E-08	1.56E-08	8.78E-09	-6.84E-09	7.22E-09	4.06E-09	-3.16E-09	1.56E-08	8.78E-09	-6.84E-09
4612	477363.1	3859877.25	7.38E-08	4.07E-08	-3.31E-08	1.62E-08	9.11E-09	-7.09E-09	7.49E-09	4.21E-09	-3.28E-09	1.62E-08	9.11E-09	-7.09E-09
4613	477863.1	3859877.25	8.46E-08	4.71E-08	-3.74E-08	1.86E-08	1.06E-08	-8.02E-09	8.59E-09	4.88E-09	-3.71E-09	1.86E-08	1.06E-08	-8.02E-09
4614	478363.1	3859877.25	9.80E-08	5.53E-08	-4.27E-08	2.15E-08	1.24E-08	-9.15E-09	9.96E-09	5.73E-09	-4.23E-09	2.15E-08	1.24E-08	-9.15E-09
4615	478863.1	3859877.25	1.16E-07	6.55E-08	-5.05E-08	2.55E-08	1.47E-08	-1.08E-08	1.18E-08	6.78E-09	-5.00E-09	2.55E-08	1.47E-08	-1.08E-08
4616	479363.1	3859877.25	1.38E-07	7.64E-08	-6.12E-08	3.02E-08	1.71E-08	-1.31E-08	1.40E-08	7.91E-09	-6.07E-09	3.02E-08	1.71E-08	-1.31E-08
4617	479863.1	3859877.25	1.55E-07	8.46E-08	-7.01E-08	3.40E-08	1.89E-08	-1.50E-08	1.57E-08	8.76E-09	-6.95E-09	3.40E-08	1.89E-08	-1.50E-08
4618	480363.1	3859877.25	1.69E-07	9.16E-08	-7.76E-08	3.72E-08	2.05E-08	-1.67E-08	1.72E-08	9.47E-09	-7.70E-09	3.72E-08	2.05E-08	-1.67E-08

4619	480863.1	3859877.25	1.80E-07	9.68E-08	-8.31E-08	3.95E-08	2.17E-08	-1.79E-08	1.83E-08	1.00E-08	-8.25E-09	3.95E-08	2.17E-08	-1.79E-08
4620	481363.1	3859877.25	1.89E-07	1.01E-07	-8.77E-08	4.15E-08	2.27E-08	-1.88E-08	1.92E-08	1.05E-08	-8.71E-09	4.15E-08	2.27E-08	-1.88E-08
4621	481863.1	3859877.25	1.98E-07	1.06E-07	-9.20E-08	4.35E-08	2.37E-08	-1.98E-08	2.01E-08	1.10E-08	-9.13E-09	4.35E-08	2.37E-08	-1.98E-08
4622	482363.1	3859877.25	2.09E-07	1.11E-07	-9.73E-08	4.59E-08	2.49E-08	-2.09E-08	2.12E-08	1.15E-08	-9.66E-09	4.59E-08	2.49E-08	-2.09E-08
4623	482863.1	3859877.25	2.19E-07	1.16E-07	-1.02E-07	4.80E-08	2.61E-08	-2.20E-08	2.22E-08	1.20E-08	-1.02E-08	4.80E-08	2.61E-08	-2.20E-08
4624	483363.1	3859877.25	2.31E-07	1.23E-07	-1.08E-07	5.08E-08	2.75E-08	-2.33E-08	2.35E-08	1.27E-08	-1.08E-08	5.08E-08	2.75E-08	-2.33E-08
4625	483863.1	3859877.25	2.51E-07	1.31E-07	-1.19E-07	5.51E-08	2.94E-08	-2.57E-08	2.55E-08	1.36E-08	-1.19E-08	5.51E-08	2.94E-08	-2.57E-08
4626	484363.1	3859877.25	2.66E-07	1.39E-07	-1.27E-07	5.85E-08	3.12E-08	-2.73E-08	2.70E-08	1.44E-08	-1.26E-08	5.85E-08	3.12E-08	-2.73E-08
4627	484863.1	3859877.25	2.83E-07	1.48E-07	-1.35E-07	6.23E-08	3.32E-08	-2.90E-08	2.88E-08	1.54E-08	-1.34E-08	6.23E-08	3.32E-08	-2.90E-08
4628	485363.1	3859877.25	3.08E-07	1.61E-07	-1.47E-07	6.76E-08	3.61E-08	-3.15E-08	3.12E-08	1.67E-08	-1.46E-08	6.76E-08	3.61E-08	-3.15E-08
4629	485863.1	3859877.25	3.41E-07	1.78E-07	-1.63E-07	7.49E-08	3.98E-08	-3.51E-08	3.46E-08	1.84E-08	-1.62E-08	7.49E-08	3.98E-08	-3.51E-08
4630	486363.1	3859877.25	3.80E-07	1.98E-07	-1.82E-07	8.36E-08	4.44E-08	-3.92E-08	3.86E-08	2.05E-08	-1.81E-08	8.36E-08	4.44E-08	-3.92E-08
4631	486863.1	3859877.25	4.27E-07	2.23E-07	-2.04E-07	9.39E-08	4.99E-08	-4.39E-08	4.34E-08	2.31E-08	-2.03E-08	9.39E-08	4.99E-08	-4.39E-08
4632	487363.1	3859877.25	4.78E-07	2.50E-07	-2.28E-07	1.05E-07	5.59E-08	-4.90E-08	4.85E-08	2.59E-08	-2.26E-08	1.05E-07	5.59E-08	-4.90E-08
4633	487863.1	3859877.25	5.43E-07	2.86E-07	-2.57E-07	1.19E-07	6.41E-08	-5.53E-08	5.52E-08	2.96E-08	-2.55E-08	1.19E-07	6.41E-08	-5.53E-08
4634	488363.1	3859877.25	6.22E-07	3.30E-07	-2.91E-07	1.37E-07	7.40E-08	-6.26E-08	6.31E-08	3.42E-08	-2.89E-08	1.37E-07	7.40E-08	-6.26E-08
4635	488863.1	3859877.25	7.71E-07	4.13E-07	-3.58E-07	1.69E-07	9.25E-08	-7.69E-08	7.83E-08	4.28E-08	-3.55E-08	1.69E-07	9.25E-08	-7.69E-08
4636	489363.1	3859877.25	1.04E-06	5.63E-07	-4.75E-07	2.28E-07	1.26E-07	-1.02E-07	1.05E-07	5.83E-08	-4.72E-08	2.28E-07	1.26E-07	-1.02E-07
4637	489863.1	3859877.25	1.64E-06	8.92E-07	-7.43E-07	3.59E-07	2.00E-07	-1.60E-07	1.66E-07	9.23E-08	-7.37E-08	3.59E-07	2.00E-07	-1.60E-07
4638	490363.1	3859877.25	3.68E-06	2.01E-06	-1.67E-06	8.08E-07	4.50E-07	-3.58E-07	3.73E-07	2.08E-07	-1.65E-07	8.08E-07	4.50E-07	-3.58E-07
4639	490863.1	3859877.25	2.79E-05	1.62E-05	-1.17E-05	6.13E-06	3.62E-06	-2.51E-06	2.83E-06	1.67E-06	-1.16E-06	6.13E-06	3.62E-06	-2.51E-06
4640	491363.1	3859877.25	5.40E-06	2.98E-06	-2.42E-06	1.19E-06	6.66E-07	-5.20E-07	5.48E-07	3.08E-07	-2.40E-07	1.19E-06	6.66E-07	-5.20E-07
4641	491863.1	3859877.25	2.74E-06	1.50E-06	-1.23E-06	6.01E-07	3.37E-07	-2.64E-07	2.78E-07	1.56E-07	-1.22E-07	6.01E-07	3.37E-07	-2.64E-07
4642	492363.1	3859877.25	1.86E-06	1.02E-06	-8.38E-07	4.08E-07	2.28E-07	-1.80E-07	1.89E-07	1.05E-07	-8.31E-08	4.08E-07	2.28E-07	-1.80E-07
4643	492863.1	3859877.25	1.36E-06	7.47E-07	-6.16E-07	2.99E-07	1.67E-07	-1.32E-07	1.38E-07	7.73E-08	-6.11E-08	2.99E-07	1.67E-07	-1.32E-07
4644	493363.1	3859877.25	1.12E-06	6.15E-07	-5.09E-07	2.47E-07	1.38E-07	-1.09E-07	1.14E-07	6.36E-08	-5.05E-08	2.47E-07	1.38E-07	-1.09E-07
4645	493863.1	3859877.25	9.66E-07	5.27E-07	-4.39E-07	2.12E-07	1.18E-07	-9.41E-08	9.81E-08	5.46E-08	-4.35E-08	2.12E-07	1.18E-07	-9.41E-08
4646	494363.1	3859877.25	8.32E-07	4.54E-07	-3.78E-07	1.83E-07	1.02E-07	-8.11E-08	8.45E-08	4.70E-08	-3.75E-08	1.83E-07	1.02E-07	-8.11E-08
4647	494863.1	3859877.25	7.60E-07	4.15E-07	-3.46E-07	1.67E-07	9.28E-08	-7.42E-08	7.72E-08	4.29E-08	-3.43E-08	1.67E-07	9.28E-08	-7.42E-08
4648	495363.1	3859877.25	6.87E-07	3.75E-07	-3.12E-07	1.51E-07	8.40E-08	-6.70E-08	6.98E-08	3.88E-08	-3.10E-08	1.51E-07	8.40E-08	-6.70E-08
4649	495863.1	3859877.25	6.24E-07	3.41E-07	-2.83E-07	1.37E-07	7.64E-08	-6.08E-08	6.34E-08	3.53E-08	-2.81E-08	1.37E-07	7.64E-08	-6.08E-08
4650	496363.1	3859877.25	5.51E-07	3.02E-07	-2.49E-07	1.21E-07	6.77E-08	-5.34E-08	5.60E-08	3.13E-08	-2.47E-08	1.21E-07	6.77E-08	-5.34E-08
4651	496863.1	3859877.25	4.57E-07	2.52E-07	-2.05E-07	1.00E-07	5.63E-08	-4.41E-08	4.64E-08	2.60E-08	-2.04E-08	1.00E-07	5.63E-08	-4.41E-08
4652	497363.1	3859877.25	4.85E-07	2.67E-07	-2.18E-07	1.07E-07	5.97E-08	-4.68E-08	4.92E-08	2.76E-08	-2.16E-08	1.07E-07	5.97E-08	-4.68E-08
4653	497863.1	3859877.25	5.25E-07	2.88E-07	-2.38E-07	1.15E-07	6.44E-08	-5.10E-08	5.33E-08	2.98E-08	-2.36E-08	1.15E-07	6.44E-08	-5.10E-08
4654	498363.1	3859877.25	5.46E-07	2.99E-07	-2.47E-07	1.20E-07	6.69E-08	-5.31E-08	5.54E-08	3.09E-08	-2.45E-08	1.20E-07	6.69E-08	-5.31E-08
4655	471363.1	3860377.25	9.80E-08	5.38E-08	-4.42E-08	2.15E-08	1.21E-08	-9.49E-09	9.96E-09	5.57E-09	-4.38E-09	2.15E-08	1.21E-08	-9.49E-09
4656	471863.1	3860377.25	9.98E-08	5.48E-08	-4.50E-08	2.19E-08	1.23E-08	-9.66E-09	1.01E-08	5.67E-09	-4.46E-09	2.19E-08	1.23E-08	-9.66E-09
4657	472363.1	3860377.25	1.03E-07	5.63E-08	-4.62E-08	2.25E-08	1.26E-08	-9.92E-09	1.04E-08	5.83E-09	-4.58E-09	2.25E-08	1.26E-08	-9.92E-09
4658	472863.1	3860377.25	1.05E-07	5.78E-08	-4.74E-08	2.31E-08	1.29E-08	-1.02E-08	1.07E-08	5.98E-09	-4.70E-09	2.31E-08	1.29E-08	-1.02E-08
4659	473363.1	3860377.25	1.08E-07	5.93E-08	-4.86E-08	2.37E-08	1.33E-08	-1.04E-08	1.10E-08	6.14E-09	-4.82E-09	2.37E-08	1.33E-08	-1.04E-08
4660	473863.1	3860377.25	1.10E-07	6.03E-08	-4.95E-08	2.41E-08	1.35E-08	-1.06E-08	1.11E-08	6.24E-09	-4.90E-09	2.41E-08	1.35E-08	-1.06E-08
4661	474363.1	3860377.25	1.10E-07	6.05E-08	-4.92E-08	2.41E-08	1.36E-08	-1.06E-08	1.11E-08	6.26E-09	-4.88E-09	2.41E-08	1.36E-08	-1.06E-08
4662	474863.1	3860377.25	1.08E-07	5.98E-08	-4.81E-08	2.37E-08	1.34E-08	-1.03E-08	1.10E-08	6.19E-09	-4.77E-09	2.37E-08	1.34E-08	-1.03E-08
4663	475363.1	3860377.25	1.02E-07	5.68E-08	-4.48E-08	2.23E-08	1.27E-08	-9.61E-09	1.03E-08	5.88E-09	-4.44E-09	2.23E-08	1.27E-08	-9.61E-09
4664	475863.1	3860377.25	9.62E-08	5.38E-08	-4.24E-08	2.11E-08	1.21E-08	-9.09E-09	9.77E-09	5.57E-09	-4.20E-09	2.11E-08	1.21E-08	-9.09E-09
4665	476363.1	3860377.25	8.82E-08	4.96E-08	-3.85E-08	1.94E-08	1.11E-08	-8.26E-09	8.95E-09	5.14E-09	-3.82E-09	1.94E-08	1.11E-08	-8.26E-09
4666	476863.1	3860377.25	8.64E-08	4.84E-08	-3.80E-08	1.90E-08	1.08E-08	-8.14E-09	8.77E-09	5.01E-09	-3.76E-09	1.90E-08	1.08E-08	-8.14E-09
4667	477363.1	3860377.25	7.74E-08	4.29E-08	-3.44E-08	1.70E-08	9.61E-09	-7.39E-09	7.86E-09	4.44E-09	-3.41E-09	1.70E-08	9.61E-09	-7.39E-09
4668	477863.1	3860377.25	8.28E-08	4.61E-08	-3.66E-08	1.82E-08	1.03E-08	-7.85E-09	8.40E-09	4.78E-09	-3.63E-09	1.82E-08	1.03E-08	-7.85E-09
4669	478363.1	3860377.25	9.71E-08	5.48E-08	-4.23E-08	2.13E-08	1.23E-08	-9.07E-09	9.86E-09	5.67E-09	-4.19E-09	2.13E-08	1.23E-08	-9.07E-09
4670	478863.1	3860377.25	1.13E-07	6.35E-08	-4.98E-08	2.49E-08	1.42E-08	-1.07E-08	1.15E-08	6.57E-09	-4.94E-09	2.49E-08	1.42E-08	-1.07E-08
4671	479363.1	3860377.25	1.32E-07	7.32E-08	-5.90E-08	2.91E-08	1.64E-08	-1.27E-08	1.34E-08	7.57E-09	-5.85E-09	2.91E-08	1.64E-08	-1.27E-08
4672	479863.1	3860377.25	1.48E-07	8.11E-08	-6.73E-08	3.26E-08	1.82E-08	-1.44E-08	1.51E-08	8.40E-09	-6.67E-09	3.26E-08	1.82E-08	-1.44E-08
4673	480363.1	3860377.25	1.61E-07	8.71E-08	-7.39E-08	3.54E-08	1.95E-08	-1.59E-08	1.63E-08	9.01E-09	-7.34E-09	3.54E-08	1.95E-08	-1.59E-08
4674	480863.1	3860377.25	1.72E-07	9.23E-08	-7.95E-08	3.77E-08	2.07E-08	-1.71E-08	1.74E-08	9.55E-09	-7.89E-09	3.77E-08	2.07E-08	-1.71E-08
4675	481363.1	3860377.25	1.78E-07	9.58E-08	-8.23E-08	3.91E-08	2.14E-08	-1.77E-08	1.81E-08	9.91E-09	-8.17E-09	3.91E-08	2.14E-08	-1.77E-08
4676	481863.1	3860377.25	1.89E-07	1.01E-07	-8.77E-08	4.15E-08	2.27E-08	-1.88E-08	1.92E-08	1.05E-08	-8.71E-09	4.15E-08	2.27E-08	-1.88E-08
4677	482363.1	3860377.25	1.98E-07	1.06E-07	-9.22E-08	4.35E-08	2.37E-08	-1.98E-08	2.01E-08	1.09E-08	-9.16E-09	4.35E-08	2.37E-08	-1.98E-08
4678	482863.1	3860377.25	2.05E-07	1.10E-07	-9.54E-08	4.51E-08	2.46E-08	-2.05E-08	2.08E-08	1.13E-08	-9.48E-09	4.51E-08	2.46E-08	-2.05E-08
4679	483363.1	3860377.25	2.18E-07	1.16E-07	-1.02E-07	4.78E-08	2.59E-08	-2.19E-08	2.21E-08	1.20E-08	-1.01E-08	4.78E-08	2.59E-08	-2.19E-08
4680	483863.1	3860377.25	2.28E-07	1.21E-07	-1.07E-07	5.00E-08	2.71E-08	-2.29E-08	2.31E-08	1.25E-08	-1.06E-08	5.00E-08	2.71E-08	-2.29E-08
4681	484363.1	3860377.25	2.42E-07	1.28E-07	-1.14E-07	5.32E-08	2.87E-08	-2.45E-08	2.46E-08	1.32E-08	-1.13E-08	5.32E-08	2.87E-08	-2.45E-08
4682	484863.1	3860377.25	2.54E-07	1.34E-07	-1.19E-07	5.57E-08	3.01E-08	-2.56E-08	2.58E-08	1.39E-08	-1.18E-08	5.57E-08	3.01E-08	-2.56E-08
4683	485363.1	3860377.25	2.68E-07	1.42E-07	-1.26E-07	5.89E-08	3.18E-08	-2.71E-08	2.72E-08	1.47E-08	-1.25E-08	5.89E-08	3.18E-08	-2.71E-08
4684	485863.1	3860377.25	2.90E-07	1.53E-07	-1.36E-07	6.36E-08	3.43E-08	-2.93E-08	2.94E-08	1.59E-08	-1.35E-08	6.36E-08	3.43E-08	-2.93E-08
4685	486363.1	3860377.25	3.16E-07	1.67E-07	-1.49E-07	6.94E-08	3.74E-08	-3.20E-08	3.21E-08	1.73E-08	-1.48E-08	6.94E-08	3.74E-08	-3.20E-08
4686	486863.1	3860377.25	3.45E-07	1.82E-07	-1.62E-07	7.57E-08	4.08E-08	-3.49E-08	3.50E-08	1.89E-08	-1.61E-08	7.57E-08	4.08E-08	-3.49E-08
4687	487363.1	3860377.25	3.80E-07	2.01E-07	-1.79E-07	8.34E-08	4.50E-08	-3.84E-08	3.85E-08	2.08E-08	-1.77E-08	8.34E-08	4.50E-08	-3.84E-08
4688	487863.1	3860377.25	4.26E-07	2.27E-07	-2.00E-07	9.37E-08	5.08E-08	-4.29E-08	4.33E-08	2.35E-08	-1.98E-08	9.37E-08	5.08E-08	-4.29E-08
4689	488363.1	3860377.25	4.79E-07	2.57E-07	-2.22E-07	1.05E-07	5.76E-08	-4.78E-08	4.87E-08	2.66E-08	-2.21E-08	1.05E-07	5.76E-08	-4.78E-08
4690	488863.1	3860377.25	5.50E-07	2.97E-07	-2.52E-07	1.21E-07	6.66E-08	-5.42E-08	5.58E-08	3.08E-08	-2.50E-08	1.21E-07	6.66E-08	-5.42E-08
4691	489363.1	3860377.25	6.46E-07	3.51E-07	-2.95E-07	1.42E-07	7.86E-08	-6.33E-08	6.56E-08	3.63E-08	-2.93E-08	1.42E-07	7.86E-08	-6.33E-08
4692	489863.1	3860377.25	7.77E-07	4.24E-07	-3.53E-07	1.71E-07	9.49E-08	-7.58E-08	7.89E-08	4.39E-08	-3.50E-08	1.71E-07	9.49E-08	-7.58E-08
4693	490363.1	3860377.25	9.97E-07	5.45E-07	-4.52E-07	2.19E-07	1.22E-07	-9.70E-08	1.01E-07	5.64E-08	-4.48E-08	2.19E-07	1.22E-07	-9.70E-08
4694	490863.1	3860377.25	1.51E-06	8.26E-07	-6.81E-07	3.31E-07	1.85E-07	-1.46E-07	1.53E-07	8.55E-08	-6.76E-08	3.31E-07	1.85E-07	-1.46E-07
4695	491363.1	3860377.25	4.55E-06	2.48E-06	-2.07E-06	1.00E-06	5.56E-07	-4.45E-07	4.62E-07	2.57E-07	-2.05E-07	1.00E-06	5.56E-07	-4.45E-07
4696	491863.1	3860377.25	7.81E-06	4.37E-06	-3.43E-06	1.72E-06	9.80E-07	-7.36E-07	7.93E-07	4.53E-07	-3.40E-07	1.72E-06	9.80E-07	-7.36E-07
4697	492363.1	3860377.25	3.14E-06	1.74E-06	-1.40E-06	6.90E-07	3.90E-07	-3.00E-07	3.19E-07	1.80E-07	-1.39E-07	6.90E-07	3.90E-07	-3.00E-07
4698	492863.1	3860377.25	2.11E-06	1.16E-06	-9.45E-07	4.64E-07	2.61E-07	-2.03E-07	2.14E-07	1.21E-07	-9.37E-08	4.64E-07	2.61E-07	-2.03E-07
4699	493363.1	3860377.25	1.53E-06	8.40E-07	-6.86E-07	3.35E-07	1.88E-07	-1.47E-07	1.55E-07	8.69E-08	-6.80E-08	3.35E-07	1.88E-07	-1.47E-07
4700	493863.1	3860377.25	1.31E-06	7.20E-07	-5.90E-07	2.88E-07	1.61E-07	-1.27E-07	1.33E-07	7.45E-08	-5.85E-08	2.88E-07	1.61E-07	-1.27E-07
4701	494363.1	3860377.25	1.10E-06	6.01E-07	-4.95E-07	2.41E-07	1.35E-07	-1.06E-07	1.11E-07	6.22E-08	-4.91E-08	2.41E-07	1.35E-07	-1.06E-07
4702	494863.1	3860377.25	1.01E-06	5.52E-07	-4.57E-07	2.22E-07	1.24E-07	-9.81E-08	1.02E-07	5.72E-08	-4.53E-08	2.22E-07	1.24E-07	-9.81E-08
4703	495363.1	3860377.25	8.91E-07	4.88E-07	-4.04E-07	1.96E-07	1.09E-07	-8.67E-08	9.05E-08	5.05E-08	-4.01E-08	1.96E-07	1.09E-07	-8.67E-08
4704	495863.1	3860377.25	7.56E-07	4.13E-07	-3.42E-07	1.66E-07	9.25E-08	-7.35E-08	7.67E-08	4.28E-08	-3.40E-08	1.66E-07	9.25E-08	-7.35E-08
4705	496363.1	3860377.25	6.58E-07	3.61E-07	-2.98E-07	1.45E-07	8.07E-08	-6.39E-08	6.69E-08	3.73E-08	-2.96E-08	1.45E-07	8.07E-08	-6.39E-08
4706	496863.1	3860377.25	5.95E-07	3.27E-07	-2.69E-07	1.31E-07	7.31E-08	-5.77E-08	6.05E-08	3.38E-08	-2.67E-08	1.31E-07	7.31E-08	-5.77E-08
4707	497363.1	3860377.25	5.31E-07	2.92E-07	-2.39E-07	1.17E-07	6.53E-08	-5.13E-08	5.39E-08	3.02E-08	-2.37E-08	1.17E-07	6.53E-08	-5.13E-08
4708	497863.1	3860377.25	5.63E-07	3.09E-07	-2.54E-07	1.24E-07	6.92E-08	-5.46E-08	5.72E-08	3.20E-08	-2.52E-08	1.24E-07	6.92E-08	-5.46E-08
4709	498363.1	3860377.25	6.01E-07	3.29E-07	-2.72E-07	1.32E-07	7.36E-08	-5.84E-08	6.10E-08	3.40E-08	-2.70E-08	1.32E-07	7.36E-08	-5.84E-08
4710	471363.1	3860877.25	9.62E-08	5.28E-08	-4.34E-08	2.11E-08	1.18E-08	-9.31E-09	9.77E-09	5.47E-09	-4.30E-09	2.11E-08	1.18E-08	-9.31E-09
4711	471863.1	3860877.25	9.80E-08	5.38E-08	-4.42E-08	2.15E-08	1.21E-08	-9.49E-09	9.96E-09	5.57E-09	-4.38E-09	2.15E-08	1.21E-08	-9.49E-09
4712	472363.1	3860877.25	1.01E-07	5.51E-08	-4.57E-08	2.21E-08	1.23E-08	-9.80E-09	1.02E-08	5.70E-09	-4.53E-09	2.21E-08	1.23E-08	-9.80E-09
4713	472863.1	3860877.25	1.03E-07	5.63E-08	-4.62E-08	2.25E-08	1.26E-08	-9.92E-09	1.04E-08	5.83E-09	-4.58E-09	2.25E-08	1.26E-08	-9.92E-09
4714	473363.1	3860877.25	1.05E-07	5.76E-08	-4.77E-08	2.31E-08	1.29E-08	-1.02E-08	1.07E-08	5.96E-09	-4.73E-09	2.31E-08	1.29E-08	-1.02E-08
4715	473863.1	3860877.25	1.07E-07	5.86E-08	-4.85E-08	2.35E-08	1.31E-08	-1.04E-08	1.09E-08	6.06E-09	-4.81E-09	2.35E-08	1.31E-08	-1.04E-08
4716	474363.1	3860877.25	1.09E-07	5.95E-08	-4.93E-08	2.39E-08	1.33E-08	-1.06E-08	1.11E-08	6.16E-09	-4.89E-09	2.39E-08	1.33E-08	-1.06E-08
4717	474863.1	3860877.25	1.11E-07	6.05E-08	-5.01E-08	2.43E-08	1.36E-08	-1.08E-08	1.12E-08	6.26E-09	-4.97E-09	2.43E-08	1.36E-08	-1.08E-08
4718	475363.1	3860877.25	1.10E-07	6.03E-08	-4.95E-08	2.41E-08	1.35E-08	-1.06E-08	1.11E-08	6.24E-09	-4.90E-09	2.41E-08	1.35E-08	-1.06E-08
4719	475863.1	3860877.25	1.07E-07	5.93E-08	-4.77E-08	2.35E-08	1.33E-08	-1.02E-08	1.09E-08	6.14E-09	-4.73E-09	2.35E-08	1.33E-08	-1.02E-08
4720	476363.1	3860877.25	1.02E-07	5.68E-08	-4.48E-08	2.23E-08	1.27E-08	-9.61E-09	1.03E-08	5.88E-09	-4.44E-09	2.23E-08	1.27E-08	-9.61E-09
4721	476863.1	3860877.25	9.98E-08	5.58E-08	-4.40E-08	2.19E-08	1.25E-08	-9.44E-09	1.01E-08	5.78E-09	-4.36E-09	2.19E-08	1.25E-08	-9.44E-09
4722	477363.1	3860877.25	1.01E-07	5.66E-08	-4.42E-08	2.21E-08	1.27E-08	-9.47E-09	1.02E-08	5.85E-09	-4.38E-09	2.21E-08	1.27E-08	-9.47E-09
4723	477863.1	3860877.25	9.62E-08	5.41E-08	-4.22E-08	2.11E-08	1.21E-08	-9.04E-09	9.77E-09	5.60E-09	-4.18E-09	2.11E-08	1.21E-08	-9.04E-09

4724	478363.1	3860877.25	8.46E-08	4.71E-08	-3.74E-08	1.86E-08	1.06E-08	-8.02E-09	8.59E-09	4.88E-09	-3.71E-09	1.86E-08	1.06E-08	-8.02E-09
4725	478863.1	3860877.25	1.07E-07	6.00E-08	-4.70E-08	2.35E-08	1.34E-08	-1.01E-08	1.09E-08	6.21E-09	-4.66E-09	2.35E-08	1.34E-08	-1.01E-08
4726	479363.1	3860877.25	1.27E-07	7.00E-08	-5.69E-08	2.79E-08	1.57E-08	-1.22E-08	1.29E-08	7.24E-09	-5.64E-09	2.79E-08	1.57E-08	-1.22E-08
4727	479863.1	3860877.25	1.41E-07	7.72E-08	-6.41E-08	3.10E-08	1.73E-08	-1.38E-08	1.43E-08	7.99E-09	-6.36E-09	3.10E-08	1.73E-08	-1.38E-08
4728	480363.1	3860877.25	1.53E-07	8.29E-08	-7.00E-08	3.36E-08	1.86E-08	-1.50E-08	1.55E-08	8.58E-09	-6.95E-09	3.36E-08	1.86E-08	-1.50E-08
4729	480863.1	3860877.25	1.60E-07	8.63E-08	-7.38E-08	3.52E-08	1.93E-08	-1.58E-08	1.63E-08	8.94E-09	-7.32E-09	3.52E-08	1.93E-08	-1.58E-08
4730	481363.1	3860877.25	1.67E-07	9.03E-08	-7.70E-08	3.68E-08	2.02E-08	-1.65E-08	1.70E-08	9.35E-09	-7.64E-09	3.68E-08	2.02E-08	-1.65E-08
4731	481863.1	3860877.25	1.75E-07	9.43E-08	-8.11E-08	3.85E-08	2.11E-08	-1.74E-08	1.78E-08	9.76E-09	-8.05E-09	3.85E-08	2.11E-08	-1.74E-08
4732	482363.1	3860877.25	1.84E-07	9.83E-08	-8.53E-08	4.03E-08	2.20E-08	-1.83E-08	1.86E-08	1.02E-08	-8.47E-09	4.03E-08	2.20E-08	-1.83E-08
4733	482863.1	3860877.25	1.90E-07	1.02E-07	-8.81E-08	4.17E-08	2.28E-08	-1.89E-08	1.93E-08	1.05E-08	-8.75E-09	4.17E-08	2.28E-08	-1.89E-08
4734	483363.1	3860877.25	1.99E-07	1.06E-07	-9.24E-08	4.37E-08	2.38E-08	-1.98E-08	2.02E-08	1.10E-08	-9.17E-09	4.37E-08	2.38E-08	-1.98E-08
4735	483863.1	3860877.25	2.09E-07	1.12E-07	-9.70E-08	4.59E-08	2.50E-08	-2.09E-08	2.12E-08	1.16E-08	-9.64E-09	4.59E-08	2.50E-08	-2.09E-08
4736	484363.1	3860877.25	2.20E-07	1.18E-07	-1.03E-07	4.84E-08	2.63E-08	-2.21E-08	2.24E-08	1.22E-08	-1.02E-08	4.84E-08	2.63E-08	-2.21E-08
4737	484863.1	3860877.25	2.29E-07	1.23E-07	-1.07E-07	5.04E-08	2.74E-08	-2.30E-08	2.33E-08	1.27E-08	-1.06E-08	5.04E-08	2.74E-08	-2.30E-08
4738	485363.1	3860877.25	2.40E-07	1.29E-07	-1.11E-07	5.28E-08	2.88E-08	-2.39E-08	2.44E-08	1.33E-08	-1.11E-08	5.28E-08	2.88E-08	-2.39E-08
4739	485863.1	3860877.25	2.56E-07	1.37E-07	-1.19E-07	5.63E-08	3.08E-08	-2.55E-08	2.60E-08	1.42E-08	-1.18E-08	5.63E-08	3.08E-08	-2.55E-08
4740	486363.1	3860877.25	2.74E-07	1.47E-07	-1.27E-07	6.03E-08	3.29E-08	-2.74E-08	2.79E-08	1.52E-08	-1.27E-08	6.03E-08	3.29E-08	-2.74E-08
4741	486863.1	3860877.25	2.96E-07	1.58E-07	-1.38E-07	6.50E-08	3.54E-08	-2.96E-08	3.01E-08	1.64E-08	-1.37E-08	6.50E-08	3.54E-08	-2.96E-08
4742	487363.1	3860877.25	3.18E-07	1.70E-07	-1.48E-07	7.00E-08	3.81E-08	-3.19E-08	3.23E-08	1.76E-08	-1.47E-08	7.00E-08	3.81E-08	-3.19E-08
4743	487863.1	3860877.25	3.46E-07	1.85E-07	-1.61E-07	7.61E-08	4.14E-08	-3.46E-08	3.52E-08	1.92E-08	-1.60E-08	7.61E-08	4.14E-08	-3.46E-08
4744	488363.1	3860877.25	3.81E-07	2.05E-07	-1.77E-07	8.38E-08	4.58E-08	-3.80E-08	3.87E-08	2.12E-08	-1.75E-08	8.38E-08	4.58E-08	-3.80E-08
4745	488863.1	3860877.25	4.16E-07	2.25E-07	-1.91E-07	9.13E-08	5.03E-08	-4.10E-08	4.22E-08	2.33E-08	-1.89E-08	9.13E-08	5.03E-08	-4.10E-08
4746	489363.1	3860877.25	4.64E-07	2.53E-07	-2.11E-07	1.02E-07	5.67E-08	-4.53E-08	4.71E-08	2.62E-08	-2.09E-08	1.02E-07	5.67E-08	-4.53E-08
4747	489863.1	3860877.25	5.33E-07	2.92E-07	-2.42E-07	1.17E-07	6.53E-08	-5.19E-08	5.42E-08	3.02E-08	-2.40E-08	1.17E-07	6.53E-08	-5.19E-08
4748	490363.1	3860877.25	6.43E-07	3.51E-07	-2.92E-07	1.41E-07	7.87E-08	-6.26E-08	6.53E-08	3.64E-08	-2.90E-08	1.41E-07	7.87E-08	-6.26E-08
4749	490863.1	3860877.25	8.25E-07	4.52E-07	-3.73E-07	1.81E-07	1.01E-07	-8.01E-08	8.38E-08	4.68E-08	-3.70E-08	1.81E-07	1.01E-07	-8.01E-08
4750	491363.1	3860877.25	1.19E-06	6.51E-07	-5.36E-07	2.61E-07	1.46E-07	-1.15E-07	1.21E-07	6.74E-08	-5.32E-08	2.61E-07	1.46E-07	-1.15E-07
4751	491863.1	3860877.25	2.59E-06	1.42E-06	-1.17E-06	5.68E-07	3.17E-07	-2.51E-07	2.63E-07	1.47E-07	-1.16E-07	5.68E-07	3.17E-07	-2.51E-07
4752	492363.1	3860877.25	1.38E-05	7.67E-06	-6.18E-06	3.04E-06	1.72E-06	-1.32E-06	1.41E-06	7.94E-07	-6.12E-07	3.04E-06	1.72E-06	-1.32E-06
4753	492863.1	3860877.25	4.07E-06	2.25E-06	-1.82E-06	8.95E-07	5.04E-07	-3.91E-07	4.14E-07	2.33E-07	-1.81E-07	8.95E-07	5.04E-07	-3.91E-07
4754	493363.1	3860877.25	2.57E-06	1.42E-06	-1.15E-06	5.64E-07	3.18E-07	-2.47E-07	2.61E-07	1.47E-07	-1.14E-07	5.64E-07	3.18E-07	-2.47E-07
4755	493863.1	3860877.25	2.01E-06	1.11E-06	-9.01E-07	4.41E-07	2.48E-07	-1.93E-07	2.04E-07	1.15E-07	-8.93E-08	4.41E-07	2.48E-07	-1.93E-07
4756	494363.1	3860877.25	1.69E-06	9.31E-07	-7.60E-07	3.72E-07	2.09E-07	-1.63E-07	1.72E-07	9.64E-08	-7.54E-08	3.72E-07	2.09E-07	-1.63E-07
4757	494863.1	3860877.25	1.45E-06	7.97E-07	-6.52E-07	3.18E-07	1.79E-07	-1.40E-07	1.47E-07	8.25E-08	-6.47E-08	3.18E-07	1.79E-07	-1.40E-07
4758	495363.1	3860877.25	1.27E-06	6.96E-07	-5.70E-07	2.78E-07	1.56E-07	-1.22E-07	1.29E-07	7.20E-08	-5.66E-08	2.78E-07	1.56E-07	-1.22E-07
4759	495863.1	3860877.25	1.15E-06	6.30E-07	-5.17E-07	2.52E-07	1.41E-07	-1.11E-07	1.17E-07	6.52E-08	-5.13E-08	2.52E-07	1.41E-07	-1.11E-07
4760	496363.1	3860877.25	9.82E-07	5.39E-07	-4.43E-07	2.16E-07	1.21E-07	-9.51E-08	9.97E-08	5.58E-08	-4.40E-08	2.16E-07	1.21E-07	-9.51E-08
4761	496863.1	3860877.25	8.01E-07	4.39E-07	-3.61E-07	1.76E-07	9.83E-08	-7.76E-08	8.13E-08	4.54E-08	-3.58E-08	1.76E-07	9.83E-08	-7.76E-08
4762	497363.1	3860877.25	7.51E-07	4.12E-07	-3.39E-07	1.65E-07	9.22E-08	-7.28E-08	7.63E-08	4.26E-08	-3.36E-08	1.65E-07	9.22E-08	-7.28E-08
4763	497863.1	3860877.25	6.88E-07	3.77E-07	-3.11E-07	1.51E-07	8.45E-08	-6.67E-08	6.99E-08	3.91E-08	-3.08E-08	1.51E-07	8.45E-08	-6.67E-08
4764	498363.1	3860877.25	6.95E-07	3.81E-07	-3.14E-07	1.53E-07	8.54E-08	-6.74E-08	7.06E-08	3.95E-08	-3.11E-08	1.53E-07	8.54E-08	-6.74E-08
4765	471363.1	3861377.25	9.44E-08	5.19E-08	-4.26E-08	2.08E-08	1.16E-08	-9.14E-09	9.59E-09	5.37E-09	-4.22E-09	2.08E-08	1.16E-08	-9.14E-09
4766	471863.1	3861377.25	9.62E-08	5.28E-08	-4.34E-08	2.11E-08	1.18E-08	-9.31E-09	9.77E-09	5.47E-09	-4.30E-09	2.11E-08	1.18E-08	-9.31E-09
4767	472363.1	3861377.25	9.80E-08	5.38E-08	-4.42E-08	2.15E-08	1.21E-08	-9.49E-09	9.96E-09	5.57E-09	-4.38E-09	2.15E-08	1.21E-08	-9.49E-09
4768	472863.1	3861377.25	1.01E-07	5.51E-08	-4.57E-08	2.21E-08	1.23E-08	-9.80E-09	1.02E-08	5.70E-09	-4.53E-09	2.21E-08	1.23E-08	-9.80E-09
4769	473363.1	3861377.25	1.03E-07	5.61E-08	-4.65E-08	2.25E-08	1.26E-08	-9.97E-09	1.04E-08	5.80E-09	-4.61E-09	2.25E-08	1.26E-08	-9.97E-09
4770	473863.1	3861377.25	1.04E-07	5.71E-08	-4.73E-08	2.29E-08	1.28E-08	-1.01E-08	1.06E-08	5.91E-09	-4.69E-09	2.29E-08	1.28E-08	-1.01E-08
4771	474363.1	3861377.25	1.06E-07	5.81E-08	-4.81E-08	2.33E-08	1.30E-08	-1.03E-08	1.08E-08	6.01E-09	-4.77E-09	2.33E-08	1.30E-08	-1.03E-08
4772	474863.1	3861377.25	1.08E-07	5.91E-08	-4.89E-08	2.37E-08	1.32E-08	-1.05E-08	1.10E-08	6.11E-09	-4.85E-09	2.37E-08	1.32E-08	-1.05E-08
4773	475363.1	3861377.25	1.11E-07	6.03E-08	-5.04E-08	2.43E-08	1.35E-08	-1.08E-08	1.12E-08	6.24E-09	-5.00E-09	2.43E-08	1.35E-08	-1.08E-08
4774	475863.1	3861377.25	1.12E-07	6.10E-08	-5.05E-08	2.45E-08	1.37E-08	-1.08E-08	1.13E-08	6.32E-09	-5.01E-09	2.45E-08	1.37E-08	-1.08E-08
4775	476363.1	3861377.25	1.11E-07	6.08E-08	-4.99E-08	2.43E-08	1.36E-08	-1.07E-08	1.12E-08	6.29E-09	-4.94E-09	2.43E-08	1.36E-08	-1.07E-08
4776	476863.1	3861377.25	1.10E-07	6.05E-08	-4.92E-08	2.41E-08	1.36E-08	-1.06E-08	1.11E-08	6.26E-09	-4.88E-09	2.41E-08	1.36E-08	-1.06E-08
4777	477363.1	3861377.25	1.10E-07	6.08E-08	-4.90E-08	2.41E-08	1.36E-08	-1.05E-08	1.11E-08	6.29E-09	-4.85E-09	2.41E-08	1.36E-08	-1.05E-08
4778	477863.1	3861377.25	1.02E-07	5.68E-08	-4.48E-08	2.23E-08	1.27E-08	-9.61E-09	1.03E-08	5.88E-09	-4.44E-09	2.23E-08	1.27E-08	-9.61E-09
4779	478363.1	3861377.25	8.55E-08	4.79E-08	-3.76E-08	1.88E-08	1.07E-08	-8.05E-09	8.68E-09	4.96E-09	-3.72E-09	1.88E-08	1.07E-08	-8.05E-09
4780	478863.1	3861377.25	9.18E-08	5.16E-08	-4.01E-08	2.02E-08	1.16E-08	-8.60E-09	9.32E-09	5.34E-09	-3.98E-09	2.02E-08	1.16E-08	-8.60E-09
4781	479363.1	3861377.25	1.18E-07	6.55E-08	-5.23E-08	2.59E-08	1.47E-08	-1.12E-08	1.20E-08	6.78E-09	-5.19E-09	2.59E-08	1.47E-08	-1.12E-08
4782	479863.1	3861377.25	1.33E-07	7.29E-08	-6.02E-08	2.93E-08	1.63E-08	-1.29E-08	1.35E-08	7.55E-09	-5.97E-09	2.93E-08	1.63E-08	-1.29E-08
4783	480363.1	3861377.25	1.45E-07	7.87E-08	-6.62E-08	3.18E-08	1.76E-08	-1.42E-08	1.47E-08	8.14E-09	-6.57E-09	3.18E-08	1.76E-08	-1.42E-08
4784	480863.1	3861377.25	1.52E-07	8.21E-08	-6.99E-08	3.34E-08	1.84E-08	-1.50E-08	1.54E-08	8.50E-09	-6.94E-09	3.34E-08	1.84E-08	-1.50E-08
4785	481363.1	3861377.25	1.58E-07	8.54E-08	-7.30E-08	3.48E-08	1.91E-08	-1.57E-08	1.61E-08	8.83E-09	-7.24E-09	3.48E-08	1.91E-08	-1.57E-08
4786	481863.1	3861377.25	1.66E-07	8.88E-08	-7.67E-08	3.64E-08	1.99E-08	-1.65E-08	1.68E-08	9.19E-09	-7.61E-09	3.64E-08	1.99E-08	-1.65E-08
4787	482363.1	3861377.25	1.72E-07	9.20E-08	-7.98E-08	3.77E-08	2.06E-08	-1.71E-08	1.74E-08	9.53E-09	-7.92E-09	3.77E-08	2.06E-08	-1.71E-08
4788	482863.1	3861377.25	1.76E-07	9.48E-08	-8.15E-08	3.87E-08	2.12E-08	-1.75E-08	1.79E-08	9.81E-09	-8.09E-09	3.87E-08	2.12E-08	-1.75E-08
4789	483363.1	3861377.25	1.84E-07	9.85E-08	-8.50E-08	4.03E-08	2.21E-08	-1.83E-08	1.86E-08	1.02E-08	-8.44E-09	4.03E-08	2.21E-08	-1.83E-08
4790	483863.1	3861377.25	1.91E-07	1.02E-07	-8.82E-08	4.19E-08	2.29E-08	-1.90E-08	1.94E-08	1.06E-08	-8.76E-09	4.19E-08	2.29E-08	-1.90E-08
4791	484363.1	3861377.25	1.99E-07	1.07E-07	-9.19E-08	4.37E-08	2.39E-08	-1.97E-08	2.02E-08	1.11E-08	-9.12E-09	4.37E-08	2.39E-08	-1.97E-08
4792	484863.1	3861377.25	2.07E-07	1.11E-07	-9.55E-08	4.55E-08	2.49E-08	-2.05E-08	2.10E-08	1.15E-08	-9.48E-09	4.55E-08	2.49E-08	-2.05E-08
4793	485363.1	3861377.25	2.14E-07	1.15E-07	-9.87E-08	4.70E-08	2.58E-08	-2.12E-08	2.17E-08	1.19E-08	-9.80E-09	4.70E-08	2.58E-08	-2.12E-08
4794	485863.1	3861377.25	2.24E-07	1.21E-07	-1.03E-07	4.92E-08	2.71E-08	-2.21E-08	2.27E-08	1.25E-08	-1.02E-08	4.92E-08	2.71E-08	-2.21E-08
4795	486363.1	3861377.25	2.38E-07	1.29E-07	-1.10E-07	5.24E-08	2.88E-08	-2.36E-08	2.42E-08	1.33E-08	-1.09E-08	5.24E-08	2.88E-08	-2.36E-08
4796	486863.1	3861377.25	2.55E-07	1.37E-07	-1.18E-07	5.61E-08	3.08E-08	-2.54E-08	2.59E-08	1.42E-08	-1.17E-08	5.61E-08	3.08E-08	-2.54E-08
4797	487363.1	3861377.25	2.73E-07	1.47E-07	-1.27E-07	6.01E-08	3.29E-08	-2.72E-08	2.78E-08	1.52E-08	-1.26E-08	6.01E-08	3.29E-08	-2.72E-08
4798	487863.1	3861377.25	2.93E-07	1.58E-07	-1.36E-07	6.44E-08	3.53E-08	-2.92E-08	2.98E-08	1.63E-08	-1.35E-08	6.44E-08	3.53E-08	-2.92E-08
4799	488363.1	3861377.25	3.17E-07	1.70E-07	-1.47E-07	6.96E-08	3.81E-08	-3.15E-08	3.22E-08	1.76E-08	-1.46E-08	6.96E-08	3.81E-08	-3.15E-08
4800	488863.1	3861377.25	3.43E-07	1.85E-07	-1.58E-07	7.53E-08	4.14E-08	-3.39E-08	3.48E-08	1.92E-08	-1.56E-08	7.53E-08	4.14E-08	-3.39E-08
4801	489363.1	3861377.25	3.71E-07	2.02E-07	-1.69E-07	8.14E-08	4.52E-08	-3.63E-08	3.76E-08	2.09E-08	-1.68E-08	8.14E-08	4.52E-08	-3.63E-08
4802	489863.1	3861377.25	4.09E-07	2.25E-07	-1.85E-07	8.99E-08	5.03E-08	-3.96E-08	4.16E-08	2.32E-08	-1.83E-08	8.99E-08	5.03E-08	-3.96E-08
4803	490363.1	3861377.25	4.68E-07	2.57E-07	-2.11E-07	1.03E-07	5.74E-08	-4.53E-08	4.75E-08	2.65E-08	-2.09E-08	1.03E-07	5.74E-08	-4.53E-08
4804	490863.1	3861377.25	5.53E-07	3.02E-07	-2.51E-07	1.22E-07	6.77E-08	-5.38E-08	5.62E-08	3.13E-08	-2.49E-08	1.22E-07	6.77E-08	-5.38E-08
4805	491363.1	3861377.25	6.87E-07	3.77E-07	-3.10E-07	1.51E-07	8.44E-08	-6.65E-08	6.98E-08	3.90E-08	-3.08E-08	1.51E-07	8.44E-08	-6.65E-08
4806	491863.1	3861377.25	9.48E-07	5.22E-07	-4.26E-07	2.08E-07	1.17E-07	-9.14E-08	9.63E-08	5.40E-08	-4.22E-08	2.08E-07	1.17E-07	-9.14E-08
4807	492363.1	3861377.25	1.67E-06	9.17E-07	-7.50E-07	3.66E-07	2.05E-07	-1.61E-07	1.69E-07	9.49E-08	-7.44E-08	3.66E-07	2.05E-07	-1.61E-07
4808	492863.1	3861377.25	5.79E-06	3.18E-06	-2.61E-06	1.27E-06	7.13E-07	-5.60E-07	5.88E-07	3.30E-07	-2.59E-07	1.27E-06	7.13E-07	-5.60E-07
4809	493363.1	3861377.25	2.60E-05	1.39E-05	-1.20E-05	5.71E-06	3.12E-06	-2.59E-06	2.64E-06	1.44E-06	-1.20E-06	5.71E-06	3.12E-06	-2.59E-06
4810	493863.1	3861377.25	7.75E-06	4.24E-06	-3.50E-06	1.70E-06	9.50E-07	-7.52E-07	7.87E-07	4.39E-07	-3.48E-07	1.70E-06	9.50E-07	-7.52E-07
4811	494363.1	3861377.25	4.48E-06	2.47E-06	-2.01E-06	9.84E-07	5.52E-07	-4.32E-07	4.55E-07	2.55E-07	-2.00E-07	9.84E-07	5.52E-07	-4.32E-07
4812	494863.1	3861377.25	3.14E-06	1.73E-06	-1.41E-06	6.91E-07	3.88E-07	-3.03E-07	3.19E-07	1.79E-07	-1.40E-07	6.91E-07	3.88E-07	-3.03E-07
4813	495363.1	3861377.25	2.46E-06	1.36E-06	-1.10E-06	5.40E-07	3.04E-07	-2.37E-07	2.50E-07	1.40E-07	-1.09E-07	5.40E-07	3.04E-07	-2.37E-07
4814	495863.1	3861377.25	2.05E-06	1.13E-06	-9.19E-07	4.50E-07	2.53E-07	-1.97E-07	2.08E-07	1.17E-07	-9.12E-08	4.50E-07	2.53E-07	-1.97E-07
4815	496363.1	3861377.25	1.70E-06	9.37E-07	-7.62E-07	3.73E-07	2.10E-07	-1.64E-07	1.73E-07	9.70E-08	-7.56E-08	3.73E-07	2.10E-07	-1.64E-07
4816	496863.1	3861377.25	1.33E-06	7.33E-07	-5.97E-07	2.92E-07	1.64E-07	-1.28E-07	1.35E-07	7.58E-08	-5.92E-08	2.92E-07	1.64E-07	-1.28E-07
4817	497363.1	3861377.25	1.17E-06	6.42E-07	-5.25E-07	2.56E-07	1.44E-07	-1.13E-07	1.18E-07	6.64E-08	-5.20E-08	2.56E-07	1.44E-07	-1.13E-07
4818	497863.1	3861377.25	1.04E-06	5.71E-07	-4.66E-07	2.28E-07	1.28E-07	-1.00E-07	1.05E-07	5.91E-08	-4.63E-08	2.28E-07	1.28E-07	-1.00E-07
4819	498363.1	3861377.25	9.28E-07	5.11E-07	-4.18E-07	2.04E-07	1.14E-07	-8.96E-08	9.43E-08	5.28E-08	-4.14E-08	2.04E-07	1.14E-07	-8.96E-08
4820	471363.1	3861877.25	9.18E-08	5.04E-08	-4.14E-08	2.02E-08	1.13E-08	-8.88E-09	9.32E-09	5.21E-09	-4.10E-09	2.02E-08	1.13E-08	-8.88E-09
4821	471863.1	3861877.25	9.36E-08	5.11E-08	-4.24E-08	2.06E-08	1.14E-08	-9.11E-09	9.50E-09	5.29E-09	-4.21E-09	2.06E-08	1.14E-08	-9.11E-09
4822	472363.1	3861877.25	9.53E-08	5.21E-08	-4.32E-08	2.09E-08	1.17E-08	-9.28E-09	9.68E-09	5.39E-09	-4.29E-09	2.09E-08	1.17E-08	-9.28E-09
4823	472863.1	3861877.25	9.80E-08	5.33E-08	-4.47E-08	2.15E-08	1.19E-08	-9.60E-09	9.96E-09	5.52E-09	-4.44E-09	2.15E-08	1.19E-08	-9.60E-09
4824	473363.1	3861877.25	9.98E-08	5.43E-08	-4.55E-08	2.19E-08	1.22E-08	-9.77E-09	1.01E-08	5.62E-09	-4.52E-09	2.19E-08	1.22E-08	-9.77E-09
4825	473863.1	3861877.25	1.02E-07	5.53E-08	-4.63E-08	2.23E-08	1.24E-08	-9.94E-09	1.03E-08	5.73E-09	-4.60E-09	2.23E-08	1.24E-08	-9.94E-09
4826	474363.1	3861877.25	1.03E-07	5.63E-08	-4.71E-08	2.27E-08	1.26E-08	-1.01E-08	1.05E-08	5.83E-09	-4.68E-09	2.27E-08	1.26E-08	-1.01E-08
4827	474863.1	3861877.25	1.05E-07	5.73E-08	-4.79E-08	2.31E-08	1.28E-08	-1.03E-08	1.07E-08	5.93E-09	-4.76E-09	2.31E-08	1.28E-08	-1.03E-08
4828	475363.1	3861877.25	1.07E-07	5.83E-08	-4.87E-08	2.35E-08	1.31E-08	-1.05E-08	1.09E-08	6.03E-09	-4.84E-09	2.35E-08	1.31E-08	-1.05E-08

4829	475863.1	3861877.25	1.10E-07	5.98E-08	-4.99E-08	2.41E-08	1.34E-08	-1.07E-08	1.11E-08	6.19E-09	-4.96E-09	2.41E-08	1.34E-08	-1.07E-08
4830	476363.1	3861877.25	1.12E-07	6.08E-08	-5.08E-08	2.45E-08	1.36E-08	-1.09E-08	1.13E-08	6.29E-09	-5.04E-09	2.45E-08	1.36E-08	-1.09E-08
4831	476863.1	3861877.25	1.12E-07	6.15E-08	-5.09E-08	2.47E-08	1.38E-08	-1.09E-08	1.14E-08	6.37E-09	-5.05E-09	2.47E-08	1.38E-08	-1.09E-08
4832	477363.1	3861877.25	1.12E-07	6.15E-08	-5.09E-08	2.47E-08	1.38E-08	-1.09E-08	1.14E-08	6.37E-09	-5.05E-09	2.47E-08	1.38E-08	-1.09E-08
4833	477863.1	3861877.25	9.98E-08	5.56E-08	-4.43E-08	2.19E-08	1.24E-08	-9.49E-09	1.01E-08	5.75E-09	-4.39E-09	2.19E-08	1.24E-08	-9.49E-09
4834	478363.1	3861877.25	7.92E-08	4.42E-08	-3.50E-08	1.74E-08	9.89E-09	-7.50E-09	8.04E-09	4.57E-09	-3.47E-09	1.74E-08	9.89E-09	-7.50E-09
4835	478863.1	3861877.25	9.27E-08	5.21E-08	-4.05E-08	2.04E-08	1.17E-08	-8.69E-09	9.41E-09	5.39E-09	-4.02E-09	2.04E-08	1.17E-08	-8.69E-09
4836	479363.1	3861877.25	9.00E-08	5.09E-08	-3.91E-08	1.98E-08	1.14E-08	-8.37E-09	9.13E-09	5.26E-09	-3.87E-09	1.98E-08	1.14E-08	-8.37E-09
4837	479863.1	3861877.25	1.27E-07	6.95E-08	-5.74E-08	2.79E-08	1.56E-08	-1.23E-08	1.29E-08	7.19E-09	-5.69E-09	2.79E-08	1.56E-08	-1.23E-08
4838	480363.1	3861877.25	1.39E-07	7.52E-08	-6.33E-08	3.04E-08	1.68E-08	-1.36E-08	1.41E-08	7.78E-09	-6.29E-09	3.04E-08	1.68E-08	-1.36E-08
4839	480863.1	3861877.25	1.44E-07	7.79E-08	-6.60E-08	3.16E-08	1.74E-08	-1.42E-08	1.46E-08	8.06E-09	-6.55E-09	3.16E-08	1.74E-08	-1.42E-08
4840	481363.1	3861877.25	1.49E-07	8.06E-08	-6.87E-08	3.28E-08	1.81E-08	-1.48E-08	1.52E-08	8.34E-09	-6.82E-09	3.28E-08	1.81E-08	-1.48E-08
4841	481863.1	3861877.25	1.56E-07	8.39E-08	-7.18E-08	3.42E-08	1.88E-08	-1.54E-08	1.58E-08	8.68E-09	-7.12E-09	3.42E-08	1.88E-08	-1.54E-08
4842	482363.1	3861877.25	1.61E-07	8.66E-08	-7.44E-08	3.54E-08	1.94E-08	-1.60E-08	1.63E-08	8.96E-09	-7.39E-09	3.54E-08	1.94E-08	-1.60E-08
4843	482863.1	3861877.25	1.65E-07	8.88E-08	-7.58E-08	3.62E-08	1.99E-08	-1.63E-08	1.67E-08	9.19E-09	-7.52E-09	3.62E-08	1.99E-08	-1.63E-08
4844	483363.1	3861877.25	1.71E-07	9.20E-08	-7.89E-08	3.76E-08	2.06E-08	-1.69E-08	1.74E-08	9.53E-09	-7.83E-09	3.76E-08	2.06E-08	-1.69E-08
4845	483863.1	3861877.25	1.76E-07	9.50E-08	-8.13E-08	3.87E-08	2.13E-08	-1.75E-08	1.79E-08	9.83E-09	-8.07E-09	3.87E-08	2.13E-08	-1.75E-08
4846	484363.1	3861877.25	1.84E-07	9.90E-08	-8.45E-08	4.03E-08	2.22E-08	-1.82E-08	1.86E-08	1.02E-08	-8.39E-09	4.03E-08	2.22E-08	-1.82E-08
4847	484863.1	3861877.25	1.91E-07	1.03E-07	-8.77E-08	4.19E-08	2.31E-08	-1.88E-08	1.94E-08	1.07E-08	-8.71E-09	4.19E-08	2.31E-08	-1.88E-08
4848	485363.1	3861877.25	1.96E-07	1.06E-07	-8.99E-08	4.31E-08	2.38E-08	-1.93E-08	1.99E-08	1.10E-08	-8.92E-09	4.31E-08	2.38E-08	-1.93E-08
4849	485863.1	3861877.25	2.02E-07	1.10E-07	-9.25E-08	4.45E-08	2.46E-08	-1.99E-08	2.06E-08	1.14E-08	-9.18E-09	4.45E-08	2.46E-08	-1.99E-08
4850	486363.1	3861877.25	2.13E-07	1.16E-07	-9.76E-08	4.68E-08	2.59E-08	-2.10E-08	2.16E-08	1.20E-08	-9.68E-09	4.68E-08	2.59E-08	-2.10E-08
4851	486863.1	3861877.25	2.27E-07	1.23E-07	-1.04E-07	4.98E-08	2.74E-08	-2.24E-08	2.30E-08	1.27E-08	-1.03E-08	4.98E-08	2.74E-08	-2.24E-08
4852	487363.1	3861877.25	2.41E-07	1.30E-07	-1.11E-07	5.30E-08	2.91E-08	-2.39E-08	2.45E-08	1.35E-08	-1.10E-08	5.30E-08	2.91E-08	-2.39E-08
4853	487863.1	3861877.25	2.55E-07	1.38E-07	-1.18E-07	5.61E-08	3.08E-08	-2.53E-08	2.59E-08	1.43E-08	-1.17E-08	5.61E-08	3.08E-08	-2.53E-08
4854	488363.1	3861877.25	2.73E-07	1.47E-07	-1.26E-07	5.99E-08	3.28E-08	-2.70E-08	2.77E-08	1.52E-08	-1.25E-08	5.99E-08	3.28E-08	-2.70E-08
4855	488863.1	3861877.25	2.92E-07	1.58E-07	-1.35E-07	6.42E-08	3.53E-08	-2.89E-08	2.97E-08	1.63E-08	-1.34E-08	6.42E-08	3.53E-08	-2.89E-08
4856	489363.1	3861877.25	3.13E-07	1.70E-07	-1.43E-07	6.88E-08	3.81E-08	-3.07E-08	3.18E-08	1.76E-08	-1.42E-08	6.88E-08	3.81E-08	-3.07E-08
4857	489863.1	3861877.25	3.38E-07	1.85E-07	-1.53E-07	7.43E-08	4.14E-08	-3.29E-08	3.43E-08	1.92E-08	-1.52E-08	7.43E-08	4.14E-08	-3.29E-08
4858	490363.1	3861877.25	3.72E-07	2.05E-07	-1.67E-07	8.16E-08	4.58E-08	-3.58E-08	3.77E-08	2.12E-08	-1.65E-08	8.16E-08	4.58E-08	-3.58E-08
4859	490863.1	3861877.25	4.21E-07	2.31E-07	-1.90E-07	9.25E-08	5.18E-08	-4.07E-08	4.27E-08	2.39E-08	-1.88E-08	9.25E-08	5.18E-08	-4.07E-08
4860	491363.1	3861877.25	4.88E-07	2.67E-07	-2.21E-07	1.07E-07	5.98E-08	-4.75E-08	4.96E-08	2.77E-08	-2.19E-08	1.07E-07	5.98E-08	-4.75E-08
4861	491863.1	3861877.25	5.81E-07	3.19E-07	-2.62E-07	1.28E-07	7.14E-08	-5.62E-08	5.90E-08	3.30E-08	-2.60E-08	1.28E-07	7.14E-08	-5.62E-08
4862	492363.1	3861877.25	7.19E-07	3.96E-07	-3.22E-07	1.58E-07	8.88E-08	-6.91E-08	7.30E-08	4.10E-08	-3.19E-08	1.58E-07	8.88E-08	-6.91E-08
4863	492863.1	3861877.25	9.30E-07	5.13E-07	-4.17E-07	2.04E-07	1.15E-07	-8.95E-08	9.44E-08	5.31E-08	-4.14E-08	2.04E-07	1.15E-07	-8.95E-08
4864	493363.1	3861877.25	1.26E-06	6.94E-07	-5.63E-07	2.76E-07	1.55E-07	-1.21E-07	1.28E-07	7.18E-08	-5.58E-08	2.76E-07	1.55E-07	-1.21E-07
4865	493863.1	3861877.25	1.85E-06	1.03E-06	-8.25E-07	4.07E-07	2.30E-07	-1.77E-07	1.88E-07	1.06E-07	-8.18E-08	4.07E-07	2.30E-07	-1.77E-07
4866	494363.1	3861877.25	3.33E-06	1.85E-06	-1.47E-06	7.31E-07	4.15E-07	-3.16E-07	3.38E-07	1.92E-07	-1.46E-07	7.31E-07	4.15E-07	-3.16E-07
4867	494863.1	3861877.25	1.36E-05	7.67E-06	-5.91E-06	2.98E-06	1.72E-06	-1.27E-06	1.38E-06	7.94E-07	-5.86E-07	2.98E-06	1.72E-06	-1.27E-06
4868	495363.1	3861877.25	1.59E-05	8.76E-06	-7.17E-06	3.50E-06	1.96E-06	-1.54E-06	1.62E-06	9.06E-07	-7.11E-07	3.50E-06	1.96E-06	-1.54E-06
4869	495863.1	3861877.25	6.55E-06	3.62E-06	-2.93E-06	1.44E-06	8.10E-07	-6.29E-07	6.65E-07	3.74E-07	-2.91E-07	1.44E-06	8.10E-07	-6.29E-07
4870	496363.1	3861877.25	4.11E-06	2.27E-06	-1.84E-06	9.04E-07	5.09E-07	-3.94E-07	4.18E-07	2.35E-07	-1.82E-07	9.04E-07	5.09E-07	-3.94E-07
4871	496863.1	3861877.25	2.13E-06	1.18E-06	-9.54E-07	4.69E-07	2.64E-07	-2.05E-07	2.17E-07	1.22E-07	-9.46E-08	4.69E-07	2.64E-07	-2.05E-07
4872	497363.1	3861877.25	2.24E-06	1.24E-06	-1.00E-06	4.92E-07	2.77E-07	-2.15E-07	2.27E-07	1.28E-07	-9.94E-08	4.92E-07	2.77E-07	-2.15E-07
4873	497863.1	3861877.25	2.00E-06	1.10E-06	-8.95E-07	4.39E-07	2.47E-07	-1.92E-07	2.03E-07	1.14E-07	-8.87E-08	4.39E-07	2.47E-07	-1.92E-07
4874	498363.1	3861877.25	1.74E-06	9.60E-07	-7.79E-07	3.82E-07	2.15E-07	-1.67E-07	1.77E-07	9.93E-08	-7.72E-08	3.82E-07	2.15E-07	-1.67E-07
4875	471363.1	3862377.25	9.00E-08	4.91E-08	-4.08E-08	1.98E-08	1.10E-08	-8.76E-09	9.13E-09	5.08E-09	-4.05E-09	1.98E-08	1.10E-08	-8.76E-09
4876	471863.1	3862377.25	9.09E-08	4.99E-08	-4.10E-08	2.00E-08	1.12E-08	-8.79E-09	9.23E-09	5.16E-09	-4.06E-09	2.00E-08	1.12E-08	-8.79E-09
4877	472363.1	3862377.25	9.36E-08	5.09E-08	-4.27E-08	2.06E-08	1.14E-08	-9.17E-09	9.50E-09	5.26E-09	-4.24E-09	2.06E-08	1.14E-08	-9.17E-09
4878	472863.1	3862377.25	9.53E-08	5.19E-08	-4.35E-08	2.09E-08	1.16E-08	-9.34E-09	9.68E-09	5.37E-09	-4.32E-09	2.09E-08	1.16E-08	-9.34E-09
4879	473363.1	3862377.25	9.71E-08	5.28E-08	-4.43E-08	2.13E-08	1.18E-08	-9.51E-09	9.86E-09	5.47E-09	-4.40E-09	2.13E-08	1.18E-08	-9.51E-09
4880	473863.1	3862377.25	9.80E-08	5.36E-08	-4.45E-08	2.15E-08	1.20E-08	-9.54E-09	9.96E-09	5.55E-09	-4.41E-09	2.15E-08	1.20E-08	-9.54E-09
4881	474363.1	3862377.25	9.98E-08	5.43E-08	-4.55E-08	2.19E-08	1.22E-08	-9.77E-09	1.01E-08	5.62E-09	-4.52E-09	2.19E-08	1.22E-08	-9.77E-09
4882	474863.1	3862377.25	1.02E-07	5.53E-08	-4.63E-08	2.23E-08	1.24E-08	-9.94E-09	1.03E-08	5.73E-09	-4.60E-09	2.23E-08	1.24E-08	-9.94E-09
4883	475363.1	3862377.25	1.04E-07	5.68E-08	-4.75E-08	2.29E-08	1.27E-08	-1.02E-08	1.06E-08	5.88E-09	-4.72E-09	2.29E-08	1.27E-08	-1.02E-08
4884	475863.1	3862377.25	1.07E-07	5.81E-08	-4.90E-08	2.35E-08	1.30E-08	-1.05E-08	1.09E-08	6.01E-09	-4.86E-09	2.35E-08	1.30E-08	-1.05E-08
4885	476363.1	3862377.25	1.09E-07	5.93E-08	-4.95E-08	2.39E-08	1.33E-08	-1.06E-08	1.11E-08	6.14E-09	-4.92E-09	2.39E-08	1.33E-08	-1.06E-08
4886	476863.1	3862377.25	1.11E-07	6.03E-08	-5.04E-08	2.43E-08	1.35E-08	-1.08E-08	1.12E-08	6.24E-09	-5.00E-09	2.43E-08	1.35E-08	-1.08E-08
4887	477363.1	3862377.25	1.12E-07	6.08E-08	-5.08E-08	2.45E-08	1.36E-08	-1.09E-08	1.13E-08	6.29E-09	-5.04E-09	2.45E-08	1.36E-08	-1.09E-08
4888	477863.1	3862377.25	1.03E-07	5.66E-08	-4.60E-08	2.25E-08	1.27E-08	-9.86E-09	1.04E-08	5.85E-09	-4.56E-09	2.25E-08	1.27E-08	-9.86E-09
4889	478363.1	3862377.25	9.27E-08	5.19E-08	-4.08E-08	2.04E-08	1.16E-08	-8.75E-09	9.41E-09	5.37E-09	-4.04E-09	2.04E-08	1.16E-08	-8.75E-09
4890	478863.1	3862377.25	9.44E-08	5.28E-08	-4.16E-08	2.08E-08	1.18E-08	-8.92E-09	9.59E-09	5.47E-09	-4.12E-09	2.08E-08	1.18E-08	-8.92E-09
4891	479363.1	3862377.25	1.03E-07	5.71E-08	-4.55E-08	2.25E-08	1.28E-08	-9.75E-09	1.04E-08	5.91E-09	-4.51E-09	2.25E-08	1.28E-08	-9.75E-09
4892	479863.1	3862377.25	1.23E-07	6.72E-08	-5.60E-08	2.71E-08	1.51E-08	-1.20E-08	1.25E-08	6.96E-09	-5.56E-09	2.71E-08	1.51E-08	-1.20E-08
4893	480363.1	3862377.25	1.32E-07	7.17E-08	-6.05E-08	2.91E-08	1.61E-08	-1.30E-08	1.34E-08	7.42E-09	-6.01E-09	2.91E-08	1.61E-08	-1.30E-08
4894	480863.1	3862377.25	1.37E-07	7.39E-08	-6.28E-08	3.00E-08	1.66E-08	-1.35E-08	1.39E-08	7.65E-09	-6.23E-09	3.00E-08	1.66E-08	-1.35E-08
4895	481363.1	3862377.25	1.41E-07	7.64E-08	-6.48E-08	3.10E-08	1.71E-08	-1.39E-08	1.43E-08	7.91E-09	-6.43E-09	3.10E-08	1.71E-08	-1.39E-08
4896	481863.1	3862377.25	1.48E-07	7.94E-08	-6.81E-08	3.24E-08	1.78E-08	-1.46E-08	1.50E-08	8.22E-09	-6.76E-09	3.24E-08	1.78E-08	-1.46E-08
4897	482363.1	3862377.25	1.52E-07	8.19E-08	-7.01E-08	3.34E-08	1.83E-08	-1.51E-08	1.54E-08	8.47E-09	-6.96E-09	3.34E-08	1.83E-08	-1.51E-08
4898	482863.1	3862377.25	1.56E-07	8.39E-08	-7.18E-08	3.42E-08	1.88E-08	-1.54E-08	1.58E-08	8.68E-09	-7.12E-09	3.42E-08	1.88E-08	-1.54E-08
4899	483363.1	3862377.25	1.60E-07	8.63E-08	-7.38E-08	3.52E-08	1.93E-08	-1.58E-08	1.63E-08	8.94E-09	-7.32E-09	3.52E-08	1.93E-08	-1.58E-08
4900	483863.1	3862377.25	1.65E-07	8.91E-08	-7.55E-08	3.62E-08	1.99E-08	-1.62E-08	1.67E-08	9.22E-09	-7.50E-09	3.62E-08	1.99E-08	-1.62E-08
4901	484363.1	3862377.25	1.70E-07	9.23E-08	-7.77E-08	3.74E-08	2.07E-08	-1.67E-08	1.73E-08	9.55E-09	-7.71E-09	3.74E-08	2.07E-08	-1.67E-08
4902	484863.1	3862377.25	1.77E-07	9.60E-08	-8.12E-08	3.89E-08	2.15E-08	-1.74E-08	1.80E-08	9.94E-09	-8.06E-09	3.89E-08	2.15E-08	-1.74E-08
4903	485363.1	3862377.25	1.83E-07	9.90E-08	-8.36E-08	4.01E-08	2.22E-08	-1.80E-08	1.85E-08	1.02E-08	-8.30E-09	4.01E-08	2.22E-08	-1.80E-08
4904	485863.1	3862377.25	1.88E-07	1.02E-07	-8.58E-08	4.13E-08	2.29E-08	-1.84E-08	1.91E-08	1.06E-08	-8.51E-09	4.13E-08	2.29E-08	-1.84E-08
4905	486363.1	3862377.25	1.95E-07	1.06E-07	-8.88E-08	4.29E-08	2.38E-08	-1.91E-08	1.98E-08	1.10E-08	-8.81E-09	4.29E-08	2.38E-08	-1.91E-08
4906	486863.1	3862377.25	2.06E-07	1.12E-07	-9.41E-08	4.53E-08	2.51E-08	-2.02E-08	2.09E-08	1.16E-08	-9.34E-09	4.53E-08	2.51E-08	-2.02E-08
4907	487363.1	3862377.25	2.19E-07	1.18E-07	-1.00E-07	4.80E-08	2.65E-08	-2.15E-08	2.22E-08	1.22E-08	-9.95E-09	4.80E-08	2.65E-08	-2.15E-08
4908	487863.1	3862377.25	2.31E-07	1.25E-07	-1.06E-07	5.08E-08	2.80E-08	-2.28E-08	2.35E-08	1.29E-08	-1.05E-08	5.08E-08	2.80E-08	-2.28E-08
4909	488363.1	3862377.25	2.44E-07	1.32E-07	-1.12E-07	5.36E-08	2.96E-08	-2.40E-08	2.48E-08	1.37E-08	-1.11E-08	5.36E-08	2.96E-08	-2.40E-08
4910	488863.1	3862377.25	2.60E-07	1.40E-07	-1.20E-07	5.71E-08	3.14E-08	-2.57E-08	2.64E-08	1.45E-08	-1.19E-08	5.71E-08	3.14E-08	-2.57E-08
4911	489363.1	3862377.25	2.77E-07	1.50E-07	-1.27E-07	6.09E-08	3.36E-08	-2.73E-08	2.81E-08	1.55E-08	-1.26E-08	6.09E-08	3.36E-08	-2.73E-08
4912	489863.1	3862377.25	2.95E-07	1.61E-07	-1.34E-07	6.48E-08	3.60E-08	-2.88E-08	3.00E-08	1.66E-08	-1.33E-08	6.48E-08	3.60E-08	-2.88E-08
4913	490363.1	3862377.25	3.15E-07	1.73E-07	-1.42E-07	6.92E-08	3.88E-08	-3.04E-08	3.20E-08	1.79E-08	-1.40E-08	6.92E-08	3.88E-08	-3.04E-08
4914	490863.1	3862377.25	3.42E-07	1.89E-07	-1.53E-07	7.51E-08	4.23E-08	-3.28E-08	3.47E-08	1.95E-08	-1.52E-08	7.51E-08	4.23E-08	-3.28E-08
4915	491363.1	3862377.25	3.78E-07	2.08E-07	-1.70E-07	8.30E-08	4.65E-08	-3.65E-08	3.84E-08	2.15E-08	-1.69E-08	8.30E-08	4.65E-08	-3.65E-08
4916	491863.1	3862377.25	4.20E-07	2.30E-07	-1.90E-07	9.23E-08	5.14E-08	-4.09E-08	4.27E-08	2.38E-08	-1.89E-08	9.23E-08	5.14E-08	-4.09E-08
4917	492363.1	3862377.25	4.70E-07	2.58E-07	-2.12E-07	1.03E-07	5.78E-08	-4.55E-08	4.78E-08	2.67E-08	-2.10E-08	1.03E-07	5.78E-08	-4.55E-08
4918	492863.1	3862377.25	5.39E-07	2.97E-07	-2.41E-07	1.18E-07	6.66E-08	-5.18E-08	5.47E-08	3.08E-08	-2.39E-08	1.18E-07	6.66E-08	-5.18E-08
4919	493363.1	3862377.25	6.27E-07	3.46E-07	-2.81E-07	1.38E-07	7.74E-08	-6.03E-08	6.37E-08	3.58E-08	-2.79E-08	1.38E-07	7.74E-08	-6.03E-08
4920	493863.1	3862377.25	7.35E-07	4.05E-07	-3.30E-07	1.61E-07	9.06E-08	-7.09E-08	7.46E-08	4.19E-08	-3.27E-08	1.61E-07	9.06E-08	-7.09E-08
4921	494363.1	3862377.25	8.91E-07	4.91E-07	-4.00E-07	1.96E-07	1.10E-07	-8.59E-08	9.05E-08	5.08E-08	-3.97E-08	1.96E-07	1.10E-07	-8.59E-08
4922	494863.1	3862377.25	1.12E-06	6.16E-07	-4.99E-07	2.45E-07	1.38E-07	-1.07E-07	1.13E-07	6.38E-08	-4.95E-08	2.45E-07	1.38E-07	-1.07E-07
4923	495363.1	3862377.25	1.45E-06	8.02E-07	-6.47E-07	3.18E-07	1.80E-07	-1.39E-07	1.47E-07	8.30E-08	-6.41E-08	3.18E-07	1.80E-07	-1.39E-07
4924	495863.1	3862377.25	2.16E-06	1.20E-06	-9.64E-07	4.75E-07	2.68E-07	-2.07E-07	2.20E-07	1.24E-07	-9.56E-08	4.75E-07	2.68E-07	-2.07E-07
4925	496363.1	3862377.25	4.29E-06	2.37E-06	-1.91E-06	9.42E-07	5.32E-07	-4.11E-07	4.36E-07	2.46E-07	-1.90E-07	9.42E-07	5.32E-07	-4.11E-07
4926	496863.1	3862377.25	3.76E-05	2.05E-05	-1.71E-05	8.25E-06	4.58E-06	-3.67E-06	3.81E-06	2.12E-06	-1.70E-06	8.25E-06	4.58E-06	-3.67E-06
4927	497363.1	3862377.25	2.23E-05	1.23E-05	-9.93E-06	4.89E-06	2.76E-06	-2.13E-06	2.26E-06	1.28E-06	-9.85E-07	4.89E-06	2.76E-06	-2.13E-06
4928	497863.1	3862377.25	5.86E-05	3.35E-05	-2.51E-05	1.29E-05	7.50E-06	-5.36E-06	5.95E-06	3.47E-06	-2.48E-06	1.29E-05	7.50E-06	-5.36E-06
4929	498363.1	3862377.25	7.70E-06	4.23E-06	-3.47E-06	1.69E-06	9.47E-07	-7.44E-07	7.82E-07	4.38E-07	-3.44E-07	1.69E-06	9.47E-07	-7.44E-07
4930	471363.1	3862877.25	8.73E-08	4.76E-08	-3.96E-08	1.92E-08	1.07E-08	-8.50E-09	8.86E-09	4.93E-09	-3.93E-09	1.92E-08	1.07E-08	-8.50E-09
4931	471863.1	3862877.25	8.91E-08	4.86E-08	-4.04E-08	1.96E-08	1.09E-08	-8.68E-09	9.04E-09	5.03E-09	-4.01E-09	1.96E-08	1.09E-08	-8.68E-09
4932	472363.1	3862877.25	9.09E-08	4.96E-08	-4.12E-08	2.00E-08	1.11E-08	-8.85E-09	9.23E-09	5.14E-09	-4.09E-09	2.00E-08	1.11E-08	-8.85E-09
4933	472863.1	3862877.25	9.27E-08	5.04E-08	-4.23E-08	2.04E-08	1.13E-08	-9.08E-09	9.41E-09	5.21E-09	-4.20E-09	2.04E-08	1.13E-08	-9.08E-09

4934	473363.1	3862877.25	9.44E-08	5.14E-08	-4.31E-08	2.08E-08	1.15E-08	-9.25E-09	9.59E-09	5.31E-09	-4.28E-09	2.08E-08	1.15E-08	-9.25E-09
4935	473863.1	3862877.25	9.53E-08	5.21E-08	-4.32E-08	2.09E-08	1.17E-08	-9.28E-09	9.68E-09	5.39E-09	-4.29E-09	2.09E-08	1.17E-08	-9.28E-09
4936	474363.1	3862877.25	9.71E-08	5.28E-08	-4.43E-08	2.13E-08	1.18E-08	-9.51E-09	9.86E-09	5.47E-09	-4.40E-09	2.13E-08	1.18E-08	-9.51E-09
4937	474863.1	3862877.25	9.89E-08	5.38E-08	-4.51E-08	2.17E-08	1.21E-08	-9.68E-09	1.00E-08	5.57E-09	-4.48E-09	2.17E-08	1.21E-08	-9.68E-09
4938	475363.1	3862877.25	1.02E-07	5.53E-08	-4.63E-08	2.23E-08	1.24E-08	-9.94E-09	1.03E-08	5.73E-09	-4.60E-09	2.23E-08	1.24E-08	-9.94E-09
4939	475863.1	3862877.25	1.03E-07	5.63E-08	-4.71E-08	2.27E-08	1.26E-08	-1.01E-08	1.05E-08	5.83E-09	-4.68E-09	2.27E-08	1.26E-08	-1.01E-08
4940	476363.1	3862877.25	1.06E-07	5.76E-08	-4.86E-08	2.33E-08	1.29E-08	-1.04E-08	1.08E-08	5.96E-09	-4.82E-09	2.33E-08	1.29E-08	-1.04E-08
4941	476863.1	3862877.25	1.07E-07	5.83E-08	-4.87E-08	2.35E-08	1.31E-08	-1.05E-08	1.09E-08	6.03E-09	-4.84E-09	2.35E-08	1.31E-08	-1.05E-08
4942	477363.1	3862877.25	1.09E-07	5.93E-08	-4.95E-08	2.39E-08	1.33E-08	-1.06E-08	1.11E-08	6.14E-09	-4.92E-09	2.39E-08	1.33E-08	-1.06E-08
4943	477863.1	3862877.25	1.06E-07	5.81E-08	-4.81E-08	2.33E-08	1.30E-08	-1.03E-08	1.08E-08	6.01E-09	-4.77E-09	2.33E-08	1.30E-08	-1.03E-08
4944	478363.1	3862877.25	9.71E-08	5.38E-08	-4.33E-08	2.13E-08	1.21E-08	-9.29E-09	9.86E-09	5.57E-09	-4.29E-09	2.13E-08	1.21E-08	-9.29E-09
4945	478863.1	3862877.25	9.80E-08	5.43E-08	-4.37E-08	2.15E-08	1.22E-08	-9.38E-09	9.96E-09	5.62E-09	-4.33E-09	2.15E-08	1.22E-08	-9.38E-09
4946	479363.1	3862877.25	1.01E-07	5.58E-08	-4.49E-08	2.21E-08	1.25E-08	-9.63E-09	1.02E-08	5.78E-09	-4.45E-09	2.21E-08	1.25E-08	-9.63E-09
4947	479863.1	3862877.25	1.21E-07	6.60E-08	-5.54E-08	2.67E-08	1.48E-08	-1.19E-08	1.23E-08	6.83E-09	-5.50E-09	2.67E-08	1.48E-08	-1.19E-08
4948	480363.1	3862877.25	1.27E-07	6.85E-08	-5.84E-08	2.79E-08	1.53E-08	-1.25E-08	1.29E-08	7.09E-09	-5.79E-09	2.79E-08	1.53E-08	-1.25E-08
4949	480863.1	3862877.25	1.30E-07	7.02E-08	-5.93E-08	2.85E-08	1.57E-08	-1.27E-08	1.32E-08	7.27E-09	-5.89E-09	2.85E-08	1.57E-08	-1.27E-08
4950	481363.1	3862877.25	1.35E-07	7.29E-08	-6.20E-08	2.96E-08	1.63E-08	-1.33E-08	1.37E-08	7.55E-09	-6.15E-09	2.96E-08	1.63E-08	-1.33E-08
4951	481863.1	3862877.25	1.39E-07	7.52E-08	-6.42E-08	3.06E-08	1.68E-08	-1.38E-08	1.42E-08	7.78E-09	-6.38E-09	3.06E-08	1.68E-08	-1.38E-08
4952	482363.1	3862877.25	1.43E-07	7.74E-08	-6.56E-08	3.14E-08	1.73E-08	-1.41E-08	1.45E-08	8.01E-09	-6.51E-09	3.14E-08	1.73E-08	-1.41E-08
4953	482863.1	3862877.25	1.47E-07	7.94E-08	-6.72E-08	3.22E-08	1.78E-08	-1.44E-08	1.49E-08	8.22E-09	-6.67E-09	3.22E-08	1.78E-08	-1.44E-08
4954	483363.1	3862877.25	1.51E-07	8.16E-08	-6.95E-08	3.32E-08	1.83E-08	-1.49E-08	1.53E-08	8.45E-09	-6.90E-09	3.32E-08	1.83E-08	-1.49E-08
4955	483863.1	3862877.25	1.55E-07	8.39E-08	-7.09E-08	3.40E-08	1.88E-08	-1.52E-08	1.57E-08	8.68E-09	-7.03E-09	3.40E-08	1.88E-08	-1.52E-08
4956	484363.1	3862877.25	1.60E-07	8.68E-08	-7.33E-08	3.52E-08	1.94E-08	-1.57E-08	1.63E-08	8.99E-09	-7.27E-09	3.52E-08	1.94E-08	-1.57E-08
4957	484863.1	3862877.25	1.66E-07	9.01E-08	-7.54E-08	3.64E-08	2.02E-08	-1.62E-08	1.68E-08	9.32E-09	-7.49E-09	3.64E-08	2.02E-08	-1.62E-08
4958	485363.1	3862877.25	1.71E-07	9.30E-08	-7.79E-08	3.76E-08	2.08E-08	-1.67E-08	1.74E-08	9.63E-09	-7.73E-09	3.76E-08	2.08E-08	-1.67E-08
4959	485863.1	3862877.25	1.76E-07	9.60E-08	-8.03E-08	3.87E-08	2.15E-08	-1.72E-08	1.79E-08	9.94E-09	-7.97E-09	3.87E-08	2.15E-08	-1.72E-08
4960	486363.1	3862877.25	1.82E-07	9.92E-08	-8.25E-08	3.99E-08	2.22E-08	-1.77E-08	1.85E-08	1.03E-08	-8.18E-09	3.99E-08	2.22E-08	-1.77E-08
4961	486863.1	3862877.25	1.90E-07	1.03E-07	-8.63E-08	4.17E-08	2.32E-08	-1.85E-08	1.93E-08	1.07E-08	-8.57E-09	4.17E-08	2.32E-08	-1.85E-08
4962	487363.1	3862877.25	2.00E-07	1.09E-07	-9.10E-08	4.39E-08	2.43E-08	-1.95E-08	2.03E-08	1.12E-08	-9.03E-09	4.39E-08	2.43E-08	-1.95E-08
4963	487863.1	3862877.25	2.10E-07	1.14E-07	-9.64E-08	4.62E-08	2.56E-08	-2.07E-08	2.14E-08	1.18E-08	-9.56E-09	4.62E-08	2.56E-08	-2.07E-08
4964	488363.1	3862877.25	2.20E-07	1.20E-07	-1.01E-07	4.84E-08	2.68E-08	-2.16E-08	2.24E-08	1.24E-08	-1.00E-08	4.84E-08	2.68E-08	-2.16E-08
4965	488863.1	3862877.25	2.32E-07	1.26E-07	-1.07E-07	5.10E-08	2.81E-08	-2.29E-08	2.36E-08	1.30E-08	-1.06E-08	5.10E-08	2.81E-08	-2.29E-08
4966	489363.1	3862877.25	2.46E-07	1.33E-07	-1.13E-07	5.40E-08	2.98E-08	-2.42E-08	2.49E-08	1.38E-08	-1.12E-08	5.40E-08	2.98E-08	-2.42E-08
4967	489863.1	3862877.25	2.60E-07	1.41E-07	-1.19E-07	5.71E-08	3.17E-08	-2.54E-08	2.64E-08	1.46E-08	-1.18E-08	5.71E-08	3.17E-08	-2.54E-08
4968	490363.1	3862877.25	2.74E-07	1.50E-07	-1.24E-07	6.03E-08	3.36E-08	-2.67E-08	2.79E-08	1.55E-08	-1.23E-08	6.03E-08	3.36E-08	-2.67E-08
4969	490863.1	3862877.25	2.90E-07	1.60E-07	-1.30E-07	6.36E-08	3.58E-08	-2.78E-08	2.94E-08	1.66E-08	-1.29E-08	6.36E-08	3.58E-08	-2.78E-08
4970	491363.1	3862877.25	3.09E-07	1.71E-07	-1.38E-07	6.78E-08	3.82E-08	-2.96E-08	3.13E-08	1.77E-08	-1.37E-08	6.78E-08	3.82E-08	-2.96E-08
4971	491863.1	3862877.25	3.34E-07	1.84E-07	-1.50E-07	7.33E-08	4.11E-08	-3.22E-08	3.39E-08	1.90E-08	-1.49E-08	7.33E-08	4.11E-08	-3.22E-08
4972	492363.1	3862877.25	3.61E-07	1.97E-07	-1.63E-07	7.93E-08	4.42E-08	-3.51E-08	3.66E-08	2.04E-08	-1.62E-08	7.93E-08	4.42E-08	-3.51E-08
4973	492863.1	3862877.25	3.92E-07	2.15E-07	-1.77E-07	8.62E-08	4.82E-08	-3.80E-08	3.98E-08	2.23E-08	-1.76E-08	8.62E-08	4.82E-08	-3.80E-08
4974	493363.1	3862877.25	4.31E-07	2.38E-07	-1.93E-07	9.47E-08	5.33E-08	-4.14E-08	4.38E-08	2.46E-08	-1.91E-08	9.47E-08	5.33E-08	-4.14E-08
4975	493863.1	3862877.25	4.69E-07	2.59E-07	-2.10E-07	1.03E-07	5.79E-08	-4.51E-08	4.76E-08	2.68E-08	-2.08E-08	1.03E-07	5.79E-08	-4.51E-08
4976	494363.1	3862877.25	5.21E-07	2.86E-07	-2.35E-07	1.14E-07	6.41E-08	-5.03E-08	5.29E-08	2.96E-08	-2.33E-08	1.14E-07	6.41E-08	-5.03E-08
4977	494863.1	3862877.25	5.95E-07	3.27E-07	-2.68E-07	1.31E-07	7.33E-08	-5.76E-08	6.05E-08	3.39E-08	-2.66E-08	1.31E-07	7.33E-08	-5.76E-08
4978	495363.1	3862877.25	6.77E-07	3.73E-07	-3.05E-07	1.49E-07	8.34E-08	-6.54E-08	6.88E-08	3.86E-08	-3.02E-08	1.49E-07	8.34E-08	-6.54E-08
4979	495863.1	3862877.25	7.64E-07	4.21E-07	-3.42E-07	1.68E-07	9.43E-08	-7.35E-08	7.75E-08	4.36E-08	-3.39E-08	1.68E-07	9.43E-08	-7.35E-08
4980	496363.1	3862877.25	8.64E-07	4.78E-07	-3.87E-07	1.90E-07	1.07E-07	-8.29E-08	8.78E-08	4.95E-08	-3.83E-08	1.90E-07	1.07E-07	-8.29E-08
4981	496863.1	3862877.25	9.97E-07	5.51E-07	-4.45E-07	2.19E-07	1.23E-07	-9.55E-08	1.01E-07	5.71E-08	-4.42E-08	2.19E-07	1.23E-07	-9.55E-08
4982	497363.1	3862877.25	1.08E-06	6.00E-07	-4.85E-07	2.38E-07	1.34E-07	-1.04E-07	1.10E-07	6.21E-08	-4.80E-08	2.38E-07	1.34E-07	-1.04E-07
4983	497863.1	3862877.25	1.09E-06	6.00E-07	-4.86E-07	2.39E-07	1.34E-07	-1.04E-07	1.10E-07	6.21E-08	-4.81E-08	2.39E-07	1.34E-07	-1.04E-07
4984	498363.1	3862877.25	1.04E-06	5.77E-07	-4.67E-07	2.29E-07	1.29E-07	-1.00E-07	1.06E-07	5.97E-08	-4.63E-08	2.29E-07	1.29E-07	-1.00E-07
4985	471363.1	3863377.25	8.55E-08	4.66E-08	-3.88E-08	1.88E-08	1.04E-08	-8.33E-09	8.68E-09	4.83E-09	-3.85E-09	1.88E-08	1.04E-08	-8.33E-09
4986	471863.1	3863377.25	8.73E-08	4.76E-08	-3.96E-08	1.92E-08	1.07E-08	-8.50E-09	8.86E-09	4.93E-09	-3.93E-09	1.92E-08	1.07E-08	-8.50E-09
4987	472363.1	3863377.25	8.82E-08	4.81E-08	-4.00E-08	1.94E-08	1.08E-08	-8.59E-09	8.95E-09	4.98E-09	-3.97E-09	1.94E-08	1.08E-08	-8.59E-09
4988	472863.1	3863377.25	9.00E-08	4.91E-08	-4.08E-08	1.98E-08	1.10E-08	-8.76E-09	9.13E-09	5.08E-09	-4.05E-09	1.98E-08	1.10E-08	-8.76E-09
4989	473363.1	3863377.25	9.18E-08	4.99E-08	-4.19E-08	2.02E-08	1.12E-08	-8.99E-09	9.32E-09	5.16E-09	-4.16E-09	2.02E-08	1.12E-08	-8.99E-09
4990	473863.1	3863377.25	9.36E-08	5.09E-08	-4.27E-08	2.06E-08	1.14E-08	-9.17E-09	9.50E-09	5.26E-09	-4.24E-09	2.06E-08	1.14E-08	-9.17E-09
4991	474363.1	3863377.25	9.44E-08	5.16E-08	-4.28E-08	2.08E-08	1.16E-08	-9.20E-09	9.59E-09	5.34E-09	-4.25E-09	2.08E-08	1.16E-08	-9.20E-09
4992	474863.1	3863377.25	9.62E-08	5.24E-08	-4.39E-08	2.11E-08	1.17E-08	-9.42E-09	9.77E-09	5.42E-09	-4.36E-09	2.11E-08	1.17E-08	-9.42E-09
4993	475363.1	3863377.25	9.80E-08	5.33E-08	-4.47E-08	2.15E-08	1.19E-08	-9.60E-09	9.96E-09	5.52E-09	-4.44E-09	2.15E-08	1.19E-08	-9.60E-09
4994	475863.1	3863377.25	9.98E-08	5.43E-08	-4.55E-08	2.19E-08	1.22E-08	-9.77E-09	1.01E-08	5.62E-09	-4.52E-09	2.19E-08	1.22E-08	-9.77E-09
4995	476363.1	3863377.25	1.03E-07	5.56E-08	-4.70E-08	2.25E-08	1.24E-08	-1.01E-08	1.04E-08	5.75E-09	-4.66E-09	2.25E-08	1.24E-08	-1.01E-08
4996	476863.1	3863377.25	1.04E-07	5.66E-08	-4.78E-08	2.29E-08	1.27E-08	-1.03E-08	1.06E-08	5.85E-09	-4.74E-09	2.29E-08	1.27E-08	-1.03E-08
4997	477363.1	3863377.25	1.06E-07	5.76E-08	-4.86E-08	2.33E-08	1.29E-08	-1.04E-08	1.08E-08	5.96E-09	-4.82E-09	2.33E-08	1.29E-08	-1.04E-08
4998	477863.1	3863377.25	1.06E-07	5.78E-08	-4.83E-08	2.33E-08	1.29E-08	-1.04E-08	1.08E-08	5.98E-09	-4.80E-09	2.33E-08	1.29E-08	-1.04E-08
4999	478363.1	3863377.25	1.02E-07	5.58E-08	-4.58E-08	2.23E-08	1.25E-08	-9.83E-09	1.03E-08	5.78E-09	-4.54E-09	2.23E-08	1.25E-08	-9.83E-09
5000	478863.1	3863377.25	1.04E-07	5.71E-08	-4.73E-08	2.29E-08	1.28E-08	-1.01E-08	1.06E-08	5.91E-09	-4.69E-09	2.29E-08	1.28E-08	-1.01E-08
5001	479363.1	3863377.25	1.12E-07	6.08E-08	-5.08E-08	2.45E-08	1.36E-08	-1.09E-08	1.13E-08	6.29E-09	-5.04E-09	2.45E-08	1.36E-08	-1.09E-08
5002	479863.1	3863377.25	1.18E-07	6.40E-08	-5.38E-08	2.59E-08	1.43E-08	-1.16E-08	1.20E-08	6.62E-09	-5.34E-09	2.59E-08	1.43E-08	-1.16E-08
5003	480363.1	3863377.25	1.21E-07	6.57E-08	-5.57E-08	2.67E-08	1.47E-08	-1.20E-08	1.23E-08	6.80E-09	-5.53E-09	2.67E-08	1.47E-08	-1.20E-08
5004	480863.1	3863377.25	1.24E-07	6.75E-08	-5.66E-08	2.73E-08	1.51E-08	-1.22E-08	1.26E-08	6.98E-09	-5.62E-09	2.73E-08	1.51E-08	-1.22E-08
5005	481363.1	3863377.25	1.29E-07	6.97E-08	-5.89E-08	2.83E-08	1.56E-08	-1.27E-08	1.31E-08	7.22E-09	-5.85E-09	2.83E-08	1.56E-08	-1.27E-08
5006	481863.1	3863377.25	1.33E-07	7.20E-08	-6.12E-08	2.93E-08	1.61E-08	-1.31E-08	1.35E-08	7.45E-09	-6.07E-09	2.93E-08	1.61E-08	-1.31E-08
5007	482363.1	3863377.25	1.37E-07	7.39E-08	-6.28E-08	3.00E-08	1.66E-08	-1.35E-08	1.39E-08	7.65E-09	-6.23E-09	3.00E-08	1.66E-08	-1.35E-08
5008	482863.1	3863377.25	1.39E-07	7.57E-08	-6.38E-08	3.06E-08	1.69E-08	-1.37E-08	1.42E-08	7.83E-09	-6.33E-09	3.06E-08	1.69E-08	-1.37E-08
5009	483363.1	3863377.25	1.43E-07	7.77E-08	-6.54E-08	3.14E-08	1.74E-08	-1.40E-08	1.45E-08	8.04E-09	-6.49E-09	3.14E-08	1.74E-08	-1.40E-08
5010	483863.1	3863377.25	1.47E-07	7.96E-08	-6.70E-08	3.22E-08	1.78E-08	-1.44E-08	1.49E-08	8.24E-09	-6.65E-09	3.22E-08	1.78E-08	-1.44E-08
5011	484363.1	3863377.25	1.51E-07	8.24E-08	-6.87E-08	3.32E-08	1.84E-08	-1.48E-08	1.53E-08	8.52E-09	-6.82E-09	3.32E-08	1.84E-08	-1.48E-08
5012	484863.1	3863377.25	1.57E-07	8.51E-08	-7.14E-08	3.44E-08	1.91E-08	-1.53E-08	1.59E-08	8.81E-09	-7.09E-09	3.44E-08	1.91E-08	-1.53E-08
5013	485363.1	3863377.25	1.61E-07	8.78E-08	-7.32E-08	3.54E-08	1.97E-08	-1.57E-08	1.63E-08	9.09E-09	-7.26E-09	3.54E-08	1.97E-08	-1.57E-08
5014	485863.1	3863377.25	1.66E-07	9.03E-08	-7.52E-08	3.64E-08	2.02E-08	-1.61E-08	1.68E-08	9.35E-09	-7.46E-09	3.64E-08	2.02E-08	-1.61E-08
5015	486363.1	3863377.25	1.69E-07	9.25E-08	-7.66E-08	3.72E-08	2.07E-08	-1.64E-08	1.72E-08	9.58E-09	-7.59E-09	3.72E-08	2.07E-08	-1.64E-08
5016	486863.1	3863377.25	1.75E-07	9.58E-08	-7.96E-08	3.85E-08	2.14E-08	-1.71E-08	1.78E-08	9.91E-09	-7.90E-09	3.85E-08	2.14E-08	-1.71E-08
5017	487363.1	3863377.25	1.83E-07	9.97E-08	-8.29E-08	4.01E-08	2.23E-08	-1.78E-08	1.85E-08	1.03E-08	-8.22E-09	4.01E-08	2.23E-08	-1.78E-08
5018	487863.1	3863377.25	1.92E-07	1.04E-07	-8.74E-08	4.21E-08	2.33E-08	-1.88E-08	1.95E-08	1.08E-08	-8.67E-09	4.21E-08	2.33E-08	-1.88E-08
5019	488363.1	3863377.25	2.00E-07	1.08E-07	-9.13E-08	4.39E-08	2.43E-08	-1.96E-08	2.03E-08	1.12E-08	-9.06E-09	4.39E-08	2.43E-08	-1.96E-08
5020	488863.1	3863377.25	2.09E-07	1.13E-07	-9.56E-08	4.59E-08	2.53E-08	-2.05E-08	2.12E-08	1.17E-08	-9.48E-09	4.59E-08	2.53E-08	-2.05E-08
5021	489363.1	3863377.25	2.18E-07	1.18E-07	-9.96E-08	4.78E-08	2.64E-08	-2.14E-08	2.21E-08	1.22E-08	-9.88E-09	4.78E-08	2.64E-08	-2.14E-08
5022	489863.1	3863377.25	2.28E-07	1.24E-07	-1.04E-07	5.02E-08	2.78E-08	-2.24E-08	2.32E-08	1.28E-08	-1.04E-08	5.02E-08	2.78E-08	-2.24E-08
5023	490363.1	3863377.25	2.39E-07	1.31E-07	-1.09E-07	5.26E-08	2.92E-08	-2.33E-08	2.43E-08	1.35E-08	-1.08E-08	5.26E-08	2.92E-08	-2.33E-08
5024	490863.1	3863377.25	2.49E-07	1.37E-07	-1.12E-07	5.47E-08	3.07E-08	-2.41E-08	2.53E-08	1.42E-08	-1.11E-08	5.47E-08	3.07E-08	-2.41E-08
5025	491363.1	3863377.25	2.60E-07	1.44E-07	-1.16E-07	5.71E-08	3.22E-08	-2.49E-08	2.64E-08	1.49E-08	-1.15E-08	5.71E-08	3.22E-08	-2.49E-08
5026	491863.1	3863377.25	2.73E-07	1.51E-07	-1.22E-07	6.01E-08	3.39E-08	-2.62E-08	2.78E-08	1.57E-08	-1.21E-08	6.01E-08	3.39E-08	-2.62E-08
5027	492363.1	3863377.25	2.86E-07	1.58E-07	-1.28E-07	6.28E-08	3.53E-08	-2.76E-08	2.90E-08	1.63E-08	-1.27E-08	6.28E-08	3.53E-08	-2.76E-08
5028	492863.1	3863377.25	2.82E-07	1.54E-07	-1.28E-07	6.19E-08	3.44E-08	-2.74E-08	2.86E-08	1.59E-08	-1.27E-08	6.19E-08	3.44E-08	-2.74E-08
5029	493363.1	3863377.25	2.69E-07	1.47E-07	-1.22E-07	5.91E-08	3.29E-08	-2.61E-08	2.73E-08	1.52E-08	-1.21E-08	5.91E-08	3.29E-08	-2.61E-08
5030	493863.1	3863377.25	2.84E-07	1.57E-07	-1.27E-07	6.25E-08	3.51E-08	-2.73E-08	2.89E-08	1.62E-08	-1.26E-08	6.25E-08	3.51E-08	-2.73E-08
5031	494363.1	3863377.25	3.17E-07	1.75E-07	-1.42E-07	6.96E-08	3.92E-08	-3.04E-08	3.22E-08	1.81E-08	-1.40E-08	6.96E-08	3.92E-08	-3.04E-08
5032	494863.1	3863377.25	3.23E-07	1.77E-07	-1.46E-07	7.10E-08	3.97E-08	-3.12E-08	3.28E-08	1.84E-08	-1.44E-08	7.10E-08	3.97E-08	-3.12E-08
5033	495363.1	3863377.25	3.18E-07	1.74E-07	-1.44E-07	6.98E-08	3.89E-08	-3.08E-08	3.22E-08	1.80E-08	-1.42E-08	6.98E-08	3.89E-08	-3.08E-08
5034	495863.1	3863377.25	3.23E-07	1.77E-07	-1.46E-07	7.10E-08	3.96E-08	-3.14E-08	3.28E-08	1.83E-08	-1.45E-08	7.10E-08	3.96E-08	-3.14E-08
5035	496363.1	3863377.25	4.50E-07	2.47E-07	-2.02E-07	9.88E-08	5.54E-08	-4.34E-08	4.57E-08	2.56E-08	-2.01E-08	9.88E-08	5.54E-08	-4.34E-08
5036	496863.1	3863377.25	4.64E-07	2.56E-07	-2.08E-07	1.02E-07	5.73E-08	-4.47E-08	4.71E-08	2.65E-08	-2.07E-08	1.02E-07	5.73E-08	-4.47E-08
5037	497363.1	3863377.25	4.57E-07	2.52E-07	-2.05E-07	1.00E-07	5.65E-08	-4.39E-08	4.64E-08	2.61E-08	-2.03E-08	1.00E-07	5.65E-08	-4.39E-08
5038	497863.1	3863377.25	4.43E-07	2.45E-07	-1.98E-07	9.72E-08	5.48E-08	-4.25E-08	4.49E-08	2.53E-08	-1.96E-08	9.72E-08	5.48E-08	-4.25E-08

5039	498363.1	3863377.25	4.39E-07	2.43E-07	-1.96E-07	9.64E-08	5.43E-08	-4.21E-08	4.46E-08	2.51E-08	-1.95E-08	9.64E-08	5.43E-08	-4.21E-08
5040	471363.1	3863877.25	8.28E-08	4.52E-08	-3.76E-08	1.82E-08	1.01E-08	-8.07E-09	8.40E-09	4.67E-09	-3.73E-09	1.82E-08	1.01E-08	-8.07E-09
5041	471863.1	3863877.25	8.46E-08	4.61E-08	-3.84E-08	1.86E-08	1.03E-08	-8.24E-09	8.59E-09	4.78E-09	-3.81E-09	1.86E-08	1.03E-08	-8.24E-09
5042	472363.1	3863877.25	8.55E-08	4.66E-08	-3.88E-08	1.88E-08	1.04E-08	-8.33E-09	8.68E-09	4.83E-09	-3.85E-09	1.88E-08	1.04E-08	-8.33E-09
5043	472863.1	3863877.25	8.73E-08	4.76E-08	-3.96E-08	1.92E-08	1.07E-08	-8.50E-09	8.86E-09	4.93E-09	-3.93E-09	1.92E-08	1.07E-08	-8.50E-09
5044	473363.1	3863877.25	8.91E-08	4.84E-08	-4.07E-08	1.96E-08	1.08E-08	-8.73E-09	9.04E-09	5.01E-09	-4.04E-09	1.96E-08	1.08E-08	-8.73E-09
5045	473863.1	3863877.25	9.09E-08	4.94E-08	-4.15E-08	2.00E-08	1.11E-08	-8.91E-09	9.23E-09	5.11E-09	-4.12E-09	2.00E-08	1.11E-08	-8.91E-09
5046	474363.1	3863877.25	9.18E-08	4.99E-08	-4.19E-08	2.02E-08	1.12E-08	-8.99E-09	9.32E-09	5.16E-09	-4.16E-09	2.02E-08	1.12E-08	-8.99E-09
5047	474863.1	3863877.25	9.36E-08	5.09E-08	-4.27E-08	2.06E-08	1.14E-08	-9.17E-09	9.50E-09	5.26E-09	-4.24E-09	2.06E-08	1.14E-08	-9.17E-09
5048	475363.1	3863877.25	9.53E-08	5.19E-08	-4.35E-08	2.09E-08	1.16E-08	-9.34E-09	9.68E-09	5.37E-09	-4.32E-09	2.09E-08	1.16E-08	-9.34E-09
5049	475863.1	3863877.25	9.71E-08	5.28E-08	-4.43E-08	2.13E-08	1.18E-08	-9.51E-09	9.86E-09	5.47E-09	-4.40E-09	2.13E-08	1.18E-08	-9.51E-09
5050	476363.1	3863877.25	9.89E-08	5.38E-08	-4.51E-08	2.17E-08	1.21E-08	-9.68E-09	1.00E-08	5.57E-09	-4.48E-09	2.17E-08	1.21E-08	-9.68E-09
5051	476863.1	3863877.25	1.01E-07	5.48E-08	-4.59E-08	2.21E-08	1.23E-08	-9.86E-09	1.02E-08	5.67E-09	-4.56E-09	2.21E-08	1.23E-08	-9.86E-09
5052	477363.1	3863877.25	1.03E-07	5.56E-08	-4.70E-08	2.25E-08	1.24E-08	-1.01E-08	1.04E-08	5.75E-09	-4.66E-09	2.25E-08	1.24E-08	-1.01E-08
5053	477863.1	3863877.25	1.03E-07	5.63E-08	-4.71E-08	2.27E-08	1.26E-08	-1.01E-08	1.05E-08	5.83E-09	-4.68E-09	2.27E-08	1.26E-08	-1.01E-08
5054	478363.1	3863877.25	1.01E-07	5.53E-08	-4.54E-08	2.21E-08	1.24E-08	-9.75E-09	1.02E-08	5.73E-09	-4.50E-09	2.21E-08	1.24E-08	-9.75E-09
5055	478863.1	3863877.25	1.07E-07	5.83E-08	-4.87E-08	2.35E-08	1.31E-08	-1.05E-08	1.09E-08	6.03E-09	-4.84E-09	2.35E-08	1.31E-08	-1.05E-08
5056	479363.1	3863877.25	1.11E-07	6.00E-08	-5.06E-08	2.43E-08	1.34E-08	-1.09E-08	1.12E-08	6.21E-09	-5.02E-09	2.43E-08	1.34E-08	-1.09E-08
5057	479863.1	3863877.25	1.14E-07	6.20E-08	-5.22E-08	2.51E-08	1.39E-08	-1.12E-08	1.16E-08	6.42E-09	-5.18E-09	2.51E-08	1.39E-08	-1.12E-08
5058	480363.1	3863877.25	1.17E-07	6.33E-08	-5.37E-08	2.57E-08	1.42E-08	-1.15E-08	1.19E-08	6.55E-09	-5.33E-09	2.57E-08	1.42E-08	-1.15E-08
5059	480863.1	3863877.25	1.20E-07	6.50E-08	-5.46E-08	2.63E-08	1.46E-08	-1.17E-08	1.21E-08	6.73E-09	-5.42E-09	2.63E-08	1.46E-08	-1.17E-08
5060	481363.1	3863877.25	1.23E-07	6.67E-08	-5.65E-08	2.71E-08	1.49E-08	-1.21E-08	1.25E-08	6.91E-09	-5.61E-09	2.71E-08	1.49E-08	-1.21E-08
5061	481863.1	3863877.25	1.27E-07	6.87E-08	-5.81E-08	2.79E-08	1.54E-08	-1.25E-08	1.29E-08	7.11E-09	-5.77E-09	2.79E-08	1.54E-08	-1.25E-08
5062	482363.1	3863877.25	1.30E-07	7.02E-08	-5.93E-08	2.85E-08	1.57E-08	-1.27E-08	1.32E-08	7.27E-09	-5.89E-09	2.85E-08	1.57E-08	-1.27E-08
5063	482863.1	3863877.25	1.32E-07	7.17E-08	-6.05E-08	2.91E-08	1.61E-08	-1.30E-08	1.34E-08	7.42E-09	-6.01E-09	2.91E-08	1.61E-08	-1.30E-08
5064	483363.1	3863877.25	1.35E-07	7.34E-08	-6.15E-08	2.96E-08	1.64E-08	-1.32E-08	1.37E-08	7.60E-09	-6.10E-09	2.96E-08	1.64E-08	-1.32E-08
5065	483863.1	3863877.25	1.38E-07	7.49E-08	-6.27E-08	3.02E-08	1.68E-08	-1.35E-08	1.40E-08	7.75E-09	-6.22E-09	3.02E-08	1.68E-08	-1.35E-08
5066	484363.1	3863877.25	1.41E-07	7.69E-08	-6.43E-08	3.10E-08	1.72E-08	-1.38E-08	1.43E-08	7.96E-09	-6.38E-09	3.10E-08	1.72E-08	-1.38E-08
5067	484863.1	3863877.25	1.45E-07	7.91E-08	-6.57E-08	3.18E-08	1.77E-08	-1.41E-08	1.47E-08	8.19E-09	-6.51E-09	3.18E-08	1.77E-08	-1.41E-08
5068	485363.1	3863877.25	1.48E-07	8.11E-08	-6.73E-08	3.26E-08	1.82E-08	-1.44E-08	1.51E-08	8.40E-09	-6.67E-09	3.26E-08	1.82E-08	-1.44E-08
5069	485863.1	3863877.25	1.52E-07	8.31E-08	-6.89E-08	3.34E-08	1.86E-08	-1.48E-08	1.54E-08	8.60E-09	-6.83E-09	3.34E-08	1.86E-08	-1.48E-08
5070	486363.1	3863877.25	1.56E-07	8.51E-08	-7.05E-08	3.42E-08	1.91E-08	-1.51E-08	1.58E-08	8.81E-09	-6.99E-09	3.42E-08	1.91E-08	-1.51E-08
5071	486863.1	3863877.25	1.60E-07	8.76E-08	-7.25E-08	3.52E-08	1.96E-08	-1.56E-08	1.63E-08	9.06E-09	-7.19E-09	3.52E-08	1.96E-08	-1.56E-08
5072	487363.1	3863877.25	1.66E-07	9.06E-08	-7.50E-08	3.64E-08	2.03E-08	-1.61E-08	1.68E-08	9.37E-09	-7.43E-09	3.64E-08	2.03E-08	-1.61E-08
5073	487863.1	3863877.25	1.73E-07	9.43E-08	-7.84E-08	3.79E-08	2.11E-08	-1.68E-08	1.75E-08	9.76E-09	-7.78E-09	3.79E-08	2.11E-08	-1.68E-08
5074	488363.1	3863877.25	1.80E-07	9.80E-08	-8.19E-08	3.95E-08	2.19E-08	-1.76E-08	1.83E-08	1.01E-08	-8.13E-09	3.95E-08	2.19E-08	-1.76E-08
5075	488863.1	3863877.25	1.87E-07	1.02E-07	-8.54E-08	4.11E-08	2.28E-08	-1.83E-08	1.90E-08	1.05E-08	-8.47E-09	4.11E-08	2.28E-08	-1.83E-08
5076	489363.1	3863877.25	1.95E-07	1.06E-07	-8.93E-08	4.29E-08	2.37E-08	-1.92E-08	1.98E-08	1.10E-08	-8.86E-09	4.29E-08	2.37E-08	-1.92E-08
5077	489863.1	3863877.25	2.02E-07	1.10E-07	-9.25E-08	4.45E-08	2.46E-08	-1.99E-08	2.06E-08	1.14E-08	-9.18E-09	4.45E-08	2.46E-08	-1.99E-08
5078	490363.1	3863877.25	2.10E-07	1.14E-07	-9.55E-08	4.60E-08	2.56E-08	-2.05E-08	2.13E-08	1.18E-08	-9.47E-09	4.60E-08	2.56E-08	-2.05E-08
5079	490863.1	3863877.25	2.16E-07	1.18E-07	-9.78E-08	4.74E-08	2.64E-08	-2.10E-08	2.19E-08	1.22E-08	-9.70E-09	4.74E-08	2.64E-08	-2.10E-08
5080	491363.1	3863877.25	2.21E-07	1.22E-07	-9.95E-08	4.86E-08	2.73E-08	-2.13E-08	2.25E-08	1.26E-08	-9.86E-09	4.86E-08	2.73E-08	-2.13E-08
5081	491863.1	3863877.25	2.19E-07	1.21E-07	-9.75E-08	4.80E-08	2.71E-08	-2.09E-08	2.22E-08	1.25E-08	-9.67E-09	4.80E-08	2.71E-08	-2.09E-08
5082	492363.1	3863877.25	1.93E-07	1.08E-07	-8.57E-08	4.25E-08	2.41E-08	-1.84E-08	1.96E-08	1.11E-08	-8.49E-09	4.25E-08	2.41E-08	-1.84E-08
5083	492863.1	3863877.25	1.73E-07	9.58E-08	-7.69E-08	3.79E-08	2.14E-08	-1.65E-08	1.75E-08	9.91E-09	-7.63E-09	3.79E-08	2.14E-08	-1.65E-08
5084	493363.1	3863877.25	1.82E-07	9.87E-08	-8.30E-08	3.99E-08	2.21E-08	-1.78E-08	1.85E-08	1.02E-08	-8.23E-09	3.99E-08	2.21E-08	-1.78E-08
5085	493863.1	3863877.25	1.96E-07	1.06E-07	-8.97E-08	4.31E-08	2.38E-08	-1.93E-08	1.99E-08	1.10E-08	-8.90E-09	4.31E-08	2.38E-08	-1.93E-08
5086	494363.1	3863877.25	2.10E-07	1.16E-07	-9.44E-08	4.62E-08	2.60E-08	-2.02E-08	2.14E-08	1.20E-08	-9.36E-09	4.62E-08	2.60E-08	-2.02E-08
5087	494863.1	3863877.25	2.15E-07	1.19E-07	-9.56E-08	4.72E-08	2.67E-08	-2.05E-08	2.18E-08	1.24E-08	-9.48E-09	4.72E-08	2.67E-08	-2.05E-08
5088	495363.1	3863877.25	2.23E-07	1.23E-07	-1.00E-07	4.90E-08	2.75E-08	-2.15E-08	2.27E-08	1.27E-08	-9.94E-09	4.90E-08	2.75E-08	-2.15E-08
5089	495863.1	3863877.25	2.26E-07	1.23E-07	-1.02E-07	4.96E-08	2.76E-08	-2.20E-08	2.29E-08	1.28E-08	-1.02E-08	4.96E-08	2.76E-08	-2.20E-08
5090	496363.1	3863877.25	2.55E-07	1.40E-07	-1.16E-07	5.61E-08	3.13E-08	-2.49E-08	2.59E-08	1.45E-08	-1.15E-08	5.61E-08	3.13E-08	-2.49E-08
5091	496863.1	3863877.25	2.88E-07	1.58E-07	-1.30E-07	6.32E-08	3.53E-08	-2.79E-08	2.92E-08	1.63E-08	-1.29E-08	6.32E-08	3.53E-08	-2.79E-08
5092	497363.1	3863877.25	2.96E-07	1.63E-07	-1.33E-07	6.50E-08	3.64E-08	-2.86E-08	3.01E-08	1.68E-08	-1.32E-08	6.50E-08	3.64E-08	-2.86E-08
5093	497863.1	3863877.25	2.91E-07	1.60E-07	-1.31E-07	6.38E-08	3.58E-08	-2.80E-08	2.95E-08	1.66E-08	-1.29E-08	6.38E-08	3.58E-08	-2.80E-08
5094	498363.1	3863877.25	2.82E-07	1.55E-07	-1.26E-07	6.19E-08	3.48E-08	-2.71E-08	2.86E-08	1.61E-08	-1.25E-08	6.19E-08	3.48E-08	-2.71E-08
5095	471363.1	3864377.25	8.10E-08	4.42E-08	-3.68E-08	1.78E-08	9.89E-09	-7.90E-09	8.22E-09	4.57E-09	-3.65E-09	1.78E-08	9.89E-09	-7.90E-09
5096	471863.1	3864377.25	8.19E-08	4.47E-08	-3.72E-08	1.80E-08	1.00E-08	-7.98E-09	8.31E-09	4.62E-09	-3.69E-09	1.80E-08	1.00E-08	-7.98E-09
5097	472363.1	3864377.25	8.37E-08	4.57E-08	-3.80E-08	1.84E-08	1.02E-08	-8.16E-09	8.49E-09	4.72E-09	-3.77E-09	1.84E-08	1.02E-08	-8.16E-09
5098	472863.1	3864377.25	8.55E-08	4.64E-08	-3.91E-08	1.88E-08	1.04E-08	-8.39E-09	8.68E-09	4.80E-09	-3.88E-09	1.88E-08	1.04E-08	-8.39E-09
5099	473363.1	3864377.25	8.64E-08	4.71E-08	-3.92E-08	1.90E-08	1.06E-08	-8.42E-09	8.77E-09	4.88E-09	-3.89E-09	1.90E-08	1.06E-08	-8.42E-09
5100	473863.1	3864377.25	8.82E-08	4.79E-08	-4.03E-08	1.94E-08	1.07E-08	-8.65E-09	8.95E-09	4.96E-09	-4.00E-09	1.94E-08	1.07E-08	-8.65E-09
5101	474363.1	3864377.25	8.91E-08	4.86E-08	-4.04E-08	1.96E-08	1.09E-08	-8.68E-09	9.04E-09	5.03E-09	-4.01E-09	1.96E-08	1.09E-08	-8.68E-09
5102	474863.1	3864377.25	9.09E-08	4.94E-08	-4.15E-08	2.00E-08	1.11E-08	-8.91E-09	9.23E-09	5.11E-09	-4.12E-09	2.00E-08	1.11E-08	-8.91E-09
5103	475363.1	3864377.25	9.18E-08	5.01E-08	-4.16E-08	2.02E-08	1.12E-08	-8.94E-09	9.32E-09	5.19E-09	-4.13E-09	2.02E-08	1.12E-08	-8.94E-09
5104	475863.1	3864377.25	9.36E-08	5.11E-08	-4.24E-08	2.06E-08	1.14E-08	-9.11E-09	9.50E-09	5.29E-09	-4.21E-09	2.06E-08	1.14E-08	-9.11E-09
5105	476363.1	3864377.25	9.53E-08	5.19E-08	-4.35E-08	2.09E-08	1.16E-08	-9.34E-09	9.68E-09	5.37E-09	-4.32E-09	2.09E-08	1.16E-08	-9.34E-09
5106	476863.1	3864377.25	9.71E-08	5.28E-08	-4.43E-08	2.13E-08	1.18E-08	-9.51E-09	9.86E-09	5.47E-09	-4.40E-09	2.13E-08	1.18E-08	-9.51E-09
5107	477363.1	3864377.25	9.98E-08	5.41E-08	-4.58E-08	2.19E-08	1.21E-08	-9.83E-09	1.01E-08	5.60E-09	-4.54E-09	2.19E-08	1.21E-08	-9.83E-09
5108	477863.1	3864377.25	1.02E-07	5.51E-08	-4.66E-08	2.23E-08	1.23E-08	-1.00E-08	1.03E-08	5.70E-09	-4.62E-09	2.23E-08	1.23E-08	-1.00E-08
5109	478363.1	3864377.25	1.03E-07	5.58E-08	-4.67E-08	2.25E-08	1.25E-08	-1.00E-08	1.04E-08	5.78E-09	-4.64E-09	2.25E-08	1.25E-08	-1.00E-08
5110	478863.1	3864377.25	1.04E-07	5.68E-08	-4.75E-08	2.29E-08	1.27E-08	-1.02E-08	1.06E-08	5.88E-09	-4.72E-09	2.29E-08	1.27E-08	-1.02E-08
5111	479363.1	3864377.25	1.06E-07	5.78E-08	-4.83E-08	2.33E-08	1.29E-08	-1.04E-08	1.08E-08	5.98E-09	-4.80E-09	2.33E-08	1.29E-08	-1.04E-08
5112	479863.1	3864377.25	1.09E-07	5.91E-08	-4.98E-08	2.39E-08	1.32E-08	-1.07E-08	1.11E-08	6.11E-09	-4.94E-09	2.39E-08	1.32E-08	-1.07E-08
5113	480363.1	3864377.25	1.11E-07	6.00E-08	-5.06E-08	2.43E-08	1.34E-08	-1.09E-08	1.12E-08	6.21E-09	-5.02E-09	2.43E-08	1.34E-08	-1.09E-08
5114	480863.1	3864377.25	1.12E-07	6.13E-08	-5.12E-08	2.47E-08	1.37E-08	-1.10E-08	1.14E-08	6.34E-09	-5.08E-09	2.47E-08	1.37E-08	-1.10E-08
5115	481363.1	3864377.25	1.16E-07	6.30E-08	-5.30E-08	2.55E-08	1.41E-08	-1.14E-08	1.18E-08	6.52E-09	-5.26E-09	2.55E-08	1.41E-08	-1.14E-08
5116	481863.1	3864377.25	1.20E-07	6.48E-08	-5.49E-08	2.63E-08	1.45E-08	-1.18E-08	1.21E-08	6.70E-09	-5.45E-09	2.63E-08	1.45E-08	-1.18E-08
5117	482363.1	3864377.25	1.21E-07	6.60E-08	-5.54E-08	2.67E-08	1.48E-08	-1.19E-08	1.23E-08	6.83E-09	-5.50E-09	2.67E-08	1.48E-08	-1.19E-08
5118	482863.1	3864377.25	1.23E-07	6.72E-08	-5.60E-08	2.71E-08	1.51E-08	-1.20E-08	1.25E-08	6.96E-09	-5.56E-09	2.71E-08	1.51E-08	-1.20E-08
5119	483363.1	3864377.25	1.26E-07	6.87E-08	-5.72E-08	2.77E-08	1.54E-08	-1.23E-08	1.28E-08	7.11E-09	-5.68E-09	2.77E-08	1.54E-08	-1.23E-08
5120	483863.1	3864377.25	1.29E-07	7.02E-08	-5.84E-08	2.83E-08	1.57E-08	-1.25E-08	1.31E-08	7.27E-09	-5.80E-09	2.83E-08	1.57E-08	-1.25E-08
5121	484363.1	3864377.25	1.31E-07	7.17E-08	-5.96E-08	2.89E-08	1.61E-08	-1.28E-08	1.33E-08	7.42E-09	-5.92E-09	2.89E-08	1.61E-08	-1.28E-08
5122	484863.1	3864377.25	1.35E-07	7.37E-08	-6.12E-08	2.96E-08	1.65E-08	-1.31E-08	1.37E-08	7.63E-09	-6.08E-09	2.96E-08	1.65E-08	-1.31E-08
5123	485363.1	3864377.25	1.39E-07	7.57E-08	-6.29E-08	3.04E-08	1.69E-08	-1.35E-08	1.41E-08	7.83E-09	-6.24E-09	3.04E-08	1.69E-08	-1.35E-08
5124	485863.1	3864377.25	1.42E-07	7.77E-08	-6.45E-08	3.12E-08	1.74E-08	-1.38E-08	1.44E-08	8.04E-09	-6.40E-09	3.12E-08	1.74E-08	-1.38E-08
5125	486363.1	3864377.25	1.45E-07	7.94E-08	-6.54E-08	3.18E-08	1.78E-08	-1.40E-08	1.47E-08	8.22E-09	-6.49E-09	3.18E-08	1.78E-08	-1.40E-08
5126	486863.1	3864377.25	1.48E-07	8.14E-08	-6.70E-08	3.26E-08	1.82E-08	-1.44E-08	1.51E-08	8.42E-09	-6.65E-09	3.26E-08	1.82E-08	-1.44E-08
5127	487363.1	3864377.25	1.53E-07	8.36E-08	-6.93E-08	3.36E-08	1.87E-08	-1.49E-08	1.55E-08	8.65E-09	-6.87E-09	3.36E-08	1.87E-08	-1.49E-08
5128	487863.1	3864377.25	1.57E-07	8.61E-08	-7.13E-08	3.46E-08	1.93E-08	-1.53E-08	1.60E-08	8.91E-09	-7.07E-09	3.46E-08	1.93E-08	-1.53E-08
5129	488363.1	3864377.25	1.63E-07	8.86E-08	-7.42E-08	3.58E-08	1.98E-08	-1.59E-08	1.65E-08	9.17E-09	-7.37E-09	3.58E-08	1.98E-08	-1.59E-08
5130	488863.1	3864377.25	1.67E-07	9.11E-08	-7.63E-08	3.68E-08	2.04E-08	-1.64E-08	1.70E-08	9.42E-09	-7.57E-09	3.68E-08	2.04E-08	-1.64E-08
5131	489363.1	3864377.25	1.72E-07	9.33E-08	-7.85E-08	3.77E-08	2.09E-08	-1.69E-08	1.74E-08	9.65E-09	-7.79E-09	3.77E-08	2.09E-08	-1.69E-08
5132	489863.1	3864377.25	1.76E-07	9.58E-08	-8.05E-08	3.87E-08	2.14E-08	-1.73E-08	1.79E-08	9.91E-09	-7.99E-09	3.87E-08	2.14E-08	-1.73E-08
5133	490363.1	3864377.25	1.82E-07	9.85E-08	-8.32E-08	3.99E-08	2.21E-08	-1.79E-08	1.85E-08	1.02E-08	-8.26E-09	3.99E-08	2.21E-08	-1.79E-08
5134	490863.1	3864377.25	1.85E-07	1.01E-07	-8.43E-08	4.07E-08	2.26E-08	-1.81E-08	1.88E-08	1.05E-08	-8.37E-09	4.07E-08	2.26E-08	-1.81E-08
5135	491363.1	3864377.25	1.76E-07	9.65E-08	-7.98E-08	3.87E-08	2.16E-08	-1.71E-08	1.79E-08	9.99E-09	-7.91E-09	3.87E-08	2.16E-08	-1.71E-08
5136	491863.1	3864377.25	1.03E-07	5.83E-08	-4.42E-08	2.25E-08	1.31E-08	-9.47E-09	1.04E-08	6.03E-09	-4.38E-09	2.25E-08	1.31E-08	-9.47E-09
5137	492363.1	3864377.25	1.30E-07	7.32E-08	-5.63E-08	2.85E-08	1.64E-08	-1.21E-08	1.32E-08	7.57E-09	-5.58E-09	2.85E-08	1.64E-08	-1.21E-08
5138	492863.1	3864377.25	1.06E-07	6.05E-08	-4.56E-08	2.33E-08	1.36E-08	-9.77E-09	1.08E-08	6.26E-09	-4.51E-09	2.33E-08	1.36E-08	-9.77E-09
5139	493363.1	3864377.25	1.24E-07	6.87E-08	-5.54E-08	2.73E-08	1.54E-08	-1.19E-08	1.26E-08	7.11E-09	-5.49E-09	2.73E-08	1.54E-08	-1.19E-08
5140	493863.1	3864377.25	1.46E-07	7.87E-08	-6.71E-08	3.20E-08	1.76E-08	-1.44E-08	1.48E-08	8.14E-09	-6.66E-09	3.20E-08	1.76E-08	-1.44E-08
5141	494363.1	3864377.25	1.60E-07	8.68E-08	-7.33E-08	3.52E-08	1.94E-08	-1.57E-08	1.63E-08	8.99E-09	-7.27E-09	3.52E-08	1.94E-08	-1.57E-08
5142	494863.1	3864377.25	1.71E-07	9.43E-08	-7.66E-08	3.76E-08	2.11E-08	-1.64E-08	1.74E-08	9.76E-09	-7.60E-09	3.76E-08	2.11E-08	-1.64E-08
5143	495363.1	3864377.25	1.71E-07	9.50E-08	-7.59E-08	3.76E-08	2.13E-08	-1.63E-08	1.74E-08	9.83E-09	-7.52E-09	3.76E-08	2.13E-08	-1.63E-08

5144	495863.1	3864377.25	1.73E-07	9.53E-08	-7.74E-08	3.79E-08	2.13E-08	-1.66E-08	1.75E-08	9.86E-09	-7.68E-09	3.79E-08	2.13E-08	-1.66E-08
5145	496363.1	3864377.25	1.83E-07	1.00E-07	-8.26E-08	4.01E-08	2.24E-08	-1.77E-08	1.85E-08	1.03E-08	-8.19E-09	4.01E-08	2.24E-08	-1.77E-08
5146	496863.1	3864377.25	1.88E-07	1.03E-07	-8.53E-08	4.13E-08	2.30E-08	-1.83E-08	1.91E-08	1.06E-08	-8.46E-09	4.13E-08	2.30E-08	-1.83E-08
5147	497363.1	3864377.25	2.05E-07	1.12E-07	-9.32E-08	4.51E-08	2.51E-08	-2.00E-08	2.08E-08	1.16E-08	-9.25E-09	4.51E-08	2.51E-08	-2.00E-08
5148	497863.1	3864377.25	2.08E-07	1.14E-07	-9.42E-08	4.57E-08	2.54E-08	-2.02E-08	2.11E-08	1.18E-08	-9.34E-09	4.57E-08	2.54E-08	-2.02E-08
5149	498363.1	3864377.25	2.19E-07	1.20E-07	-9.91E-08	4.82E-08	2.69E-08	-2.13E-08	2.23E-08	1.25E-08	-9.83E-09	4.82E-08	2.69E-08	-2.13E-08
5150	471363.1	3864877.25	7.83E-08	4.29E-08	-3.53E-08	1.72E-08	9.61E-09	-7.58E-09	7.95E-09	4.44E-09	-3.50E-09	1.72E-08	9.61E-09	-7.58E-09
5151	471863.1	3864877.25	8.01E-08	4.37E-08	-3.64E-08	1.76E-08	9.78E-09	-7.81E-09	8.13E-09	4.52E-09	-3.61E-09	1.76E-08	9.78E-09	-7.81E-09
5152	472363.1	3864877.25	8.10E-08	4.42E-08	-3.68E-08	1.78E-08	9.89E-09	-7.90E-09	8.22E-09	4.57E-09	-3.65E-09	1.78E-08	9.89E-09	-7.90E-09
5153	472863.1	3864877.25	8.28E-08	4.52E-08	-3.76E-08	1.82E-08	1.01E-08	-8.07E-09	8.40E-09	4.67E-09	-3.73E-09	1.82E-08	1.01E-08	-8.07E-09
5154	473363.1	3864877.25	8.37E-08	4.57E-08	-3.80E-08	1.84E-08	1.02E-08	-8.16E-09	8.49E-09	4.72E-09	-3.77E-09	1.84E-08	1.02E-08	-8.16E-09
5155	473863.1	3864877.25	8.55E-08	4.64E-08	-3.91E-08	1.88E-08	1.04E-08	-8.39E-09	8.68E-09	4.80E-09	-3.88E-09	1.88E-08	1.04E-08	-8.39E-09
5156	474363.1	3864877.25	8.64E-08	4.69E-08	-3.95E-08	1.90E-08	1.05E-08	-8.47E-09	8.77E-09	4.85E-09	-3.92E-09	1.90E-08	1.05E-08	-8.47E-09
5157	474863.1	3864877.25	8.73E-08	4.76E-08	-3.96E-08	1.92E-08	1.07E-08	-8.50E-09	8.86E-09	4.93E-09	-3.93E-09	1.92E-08	1.07E-08	-8.50E-09
5158	475363.1	3864877.25	8.91E-08	4.84E-08	-4.07E-08	1.96E-08	1.08E-08	-8.73E-09	9.04E-09	5.01E-09	-4.04E-09	1.96E-08	1.08E-08	-8.73E-09
5159	475863.1	3864877.25	9.09E-08	4.94E-08	-4.15E-08	2.00E-08	1.11E-08	-8.91E-09	9.23E-09	5.11E-09	-4.12E-09	2.00E-08	1.11E-08	-8.91E-09
5160	476363.1	3864877.25	9.27E-08	5.01E-08	-4.25E-08	2.04E-08	1.12E-08	-9.13E-09	9.41E-09	5.19E-09	-4.22E-09	2.04E-08	1.12E-08	-9.13E-09
5161	476863.1	3864877.25	9.36E-08	5.09E-08	-4.27E-08	2.06E-08	1.14E-08	-9.17E-09	9.50E-09	5.26E-09	-4.24E-09	2.06E-08	1.14E-08	-9.17E-09
5162	477363.1	3864877.25	9.53E-08	5.19E-08	-4.35E-08	2.09E-08	1.16E-08	-9.34E-09	9.68E-09	5.37E-09	-4.32E-09	2.09E-08	1.16E-08	-9.34E-09
5163	477863.1	3864877.25	9.71E-08	5.26E-08	-4.45E-08	2.13E-08	1.18E-08	-9.57E-09	9.86E-09	5.44E-09	-4.42E-09	2.13E-08	1.18E-08	-9.57E-09
5164	478363.1	3864877.25	9.80E-08	5.33E-08	-4.47E-08	2.15E-08	1.19E-08	-9.60E-09	9.96E-09	5.52E-09	-4.44E-09	2.15E-08	1.19E-08	-9.60E-09
5165	478863.1	3864877.25	9.98E-08	5.43E-08	-4.55E-08	2.19E-08	1.22E-08	-9.77E-09	1.01E-08	5.62E-09	-4.52E-09	2.19E-08	1.22E-08	-9.77E-09
5166	479363.1	3864877.25	1.02E-07	5.53E-08	-4.63E-08	2.23E-08	1.24E-08	-9.94E-09	1.03E-08	5.73E-09	-4.60E-09	2.23E-08	1.24E-08	-9.94E-09
5167	479863.1	3864877.25	1.03E-07	5.63E-08	-4.71E-08	2.27E-08	1.26E-08	-1.01E-08	1.05E-08	5.83E-09	-4.68E-09	2.27E-08	1.26E-08	-1.01E-08
5168	480363.1	3864877.25	1.05E-07	5.73E-08	-4.79E-08	2.31E-08	1.28E-08	-1.03E-08	1.07E-08	5.93E-09	-4.76E-09	2.31E-08	1.28E-08	-1.03E-08
5169	480863.1	3864877.25	1.07E-07	5.83E-08	-4.87E-08	2.35E-08	1.31E-08	-1.05E-08	1.09E-08	6.03E-09	-4.84E-09	2.35E-08	1.31E-08	-1.05E-08
5170	481363.1	3864877.25	1.11E-07	6.00E-08	-5.06E-08	2.43E-08	1.34E-08	-1.09E-08	1.12E-08	6.21E-09	-5.02E-09	2.43E-08	1.34E-08	-1.09E-08
5171	481863.1	3864877.25	1.13E-07	6.15E-08	-5.18E-08	2.49E-08	1.38E-08	-1.11E-08	1.15E-08	6.37E-09	-5.14E-09	2.49E-08	1.38E-08	-1.11E-08
5172	482363.1	3864877.25	1.15E-07	6.25E-08	-5.26E-08	2.53E-08	1.40E-08	-1.13E-08	1.17E-08	6.47E-09	-5.22E-09	2.53E-08	1.40E-08	-1.13E-08
5173	482863.1	3864877.25	1.17E-07	6.38E-08	-5.32E-08	2.57E-08	1.43E-08	-1.14E-08	1.19E-08	6.60E-09	-5.28E-09	2.57E-08	1.43E-08	-1.14E-08
5174	483363.1	3864877.25	1.20E-07	6.50E-08	-5.46E-08	2.63E-08	1.46E-08	-1.17E-08	1.21E-08	6.73E-09	-5.42E-09	2.63E-08	1.46E-08	-1.17E-08
5175	483863.1	3864877.25	1.21E-07	6.62E-08	-5.52E-08	2.67E-08	1.48E-08	-1.18E-08	1.23E-08	6.86E-09	-5.48E-09	2.67E-08	1.48E-08	-1.18E-08
5176	484363.1	3864877.25	1.23E-07	6.75E-08	-5.57E-08	2.71E-08	1.51E-08	-1.20E-08	1.25E-08	6.98E-09	-5.53E-09	2.71E-08	1.51E-08	-1.20E-08
5177	484863.1	3864877.25	1.26E-07	6.90E-08	-5.70E-08	2.77E-08	1.54E-08	-1.22E-08	1.28E-08	7.14E-09	-5.65E-09	2.77E-08	1.54E-08	-1.22E-08
5178	485363.1	3864877.25	1.30E-07	7.07E-08	-5.88E-08	2.85E-08	1.58E-08	-1.26E-08	1.32E-08	7.32E-09	-5.84E-09	2.85E-08	1.58E-08	-1.26E-08
5179	485863.1	3864877.25	1.31E-07	7.20E-08	-5.94E-08	2.89E-08	1.61E-08	-1.27E-08	1.33E-08	7.45E-09	-5.89E-09	2.89E-08	1.61E-08	-1.27E-08
5180	486363.1	3864877.25	1.33E-07	7.29E-08	-6.02E-08	2.93E-08	1.63E-08	-1.29E-08	1.35E-08	7.55E-09	-5.97E-09	2.93E-08	1.63E-08	-1.29E-08
5181	486863.1	3864877.25	1.35E-07	7.42E-08	-6.07E-08	2.96E-08	1.66E-08	-1.30E-08	1.37E-08	7.68E-09	-6.02E-09	2.96E-08	1.66E-08	-1.30E-08
5182	487363.1	3864877.25	1.38E-07	7.57E-08	-6.20E-08	3.02E-08	1.69E-08	-1.33E-08	1.40E-08	7.83E-09	-6.14E-09	3.02E-08	1.69E-08	-1.33E-08
5183	487863.1	3864877.25	1.41E-07	7.74E-08	-6.38E-08	3.10E-08	1.73E-08	-1.37E-08	1.43E-08	8.01E-09	-6.33E-09	3.10E-08	1.73E-08	-1.37E-08
5184	488363.1	3864877.25	1.46E-07	7.96E-08	-6.61E-08	3.20E-08	1.78E-08	-1.42E-08	1.48E-08	8.24E-09	-6.55E-09	3.20E-08	1.78E-08	-1.42E-08
5185	488863.1	3864877.25	1.49E-07	8.14E-08	-6.79E-08	3.28E-08	1.82E-08	-1.46E-08	1.52E-08	8.42E-09	-6.74E-09	3.28E-08	1.82E-08	-1.46E-08
5186	489363.1	3864877.25	1.53E-07	8.29E-08	-7.00E-08	3.36E-08	1.86E-08	-1.50E-08	1.55E-08	8.58E-09	-6.95E-09	3.36E-08	1.86E-08	-1.50E-08
5187	489863.1	3864877.25	1.56E-07	8.44E-08	-7.13E-08	3.42E-08	1.89E-08	-1.53E-08	1.58E-08	8.73E-09	-7.07E-09	3.42E-08	1.89E-08	-1.53E-08
5188	490363.1	3864877.25	1.59E-07	8.63E-08	-7.29E-08	3.50E-08	1.93E-08	-1.56E-08	1.62E-08	8.94E-09	-7.23E-09	3.50E-08	1.93E-08	-1.56E-08
5189	490863.1	3864877.25	1.39E-07	7.47E-08	-6.38E-08	3.04E-08	1.67E-08	-1.37E-08	1.41E-08	7.73E-09	-6.34E-09	3.04E-08	1.67E-08	-1.37E-08
5190	491363.1	3864877.25	1.56E-07	8.51E-08	-7.05E-08	3.42E-08	1.91E-08	-1.51E-08	1.58E-08	8.81E-09	-6.99E-09	3.42E-08	1.91E-08	-1.51E-08
5191	491863.1	3864877.25	1.34E-07	7.37E-08	-6.03E-08	2.94E-08	1.65E-08	-1.29E-08	1.36E-08	7.63E-09	-5.98E-09	2.94E-08	1.65E-08	-1.29E-08
5192	492363.1	3864877.25	8.19E-08	4.64E-08	-3.55E-08	1.80E-08	1.04E-08	-7.60E-09	8.31E-09	4.80E-09	-3.51E-09	1.80E-08	1.04E-08	-7.60E-09
5193	492863.1	3864877.25	8.73E-08	5.01E-08	-3.71E-08	1.92E-08	1.12E-08	-7.95E-09	8.86E-09	5.19E-09	-3.67E-09	1.92E-08	1.12E-08	-7.95E-09
5194	493363.1	3864877.25	8.64E-08	4.86E-08	-3.77E-08	1.90E-08	1.09E-08	-8.08E-09	8.77E-09	5.03E-09	-3.74E-09	1.90E-08	1.09E-08	-8.08E-09
5195	493863.1	3864877.25	1.13E-07	6.28E-08	-5.06E-08	2.49E-08	1.41E-08	-1.08E-08	1.15E-08	6.50E-09	-5.01E-09	2.49E-08	1.41E-08	-1.08E-08
5196	494363.1	3864877.25	1.31E-07	7.12E-08	-6.01E-08	2.89E-08	1.59E-08	-1.29E-08	1.33E-08	7.37E-09	-5.97E-09	2.89E-08	1.59E-08	-1.29E-08
5197	494863.1	3864877.25	1.38E-07	7.44E-08	-6.32E-08	3.02E-08	1.67E-08	-1.36E-08	1.40E-08	7.70E-09	-6.27E-09	3.02E-08	1.67E-08	-1.36E-08
5198	495363.1	3864877.25	1.41E-07	7.77E-08	-6.36E-08	3.10E-08	1.74E-08	-1.36E-08	1.43E-08	8.04E-09	-6.30E-09	3.10E-08	1.74E-08	-1.36E-08
5199	495863.1	3864877.25	1.50E-07	8.31E-08	-6.71E-08	3.30E-08	1.86E-08	-1.44E-08	1.53E-08	8.60E-09	-6.65E-09	3.30E-08	1.86E-08	-1.44E-08
5200	496363.1	3864877.25	1.42E-07	7.89E-08	-6.32E-08	3.12E-08	1.77E-08	-1.36E-08	1.44E-08	8.17E-09	-6.27E-09	3.12E-08	1.77E-08	-1.36E-08
5201	496863.1	3864877.25	1.46E-07	7.99E-08	-6.58E-08	3.20E-08	1.79E-08	-1.41E-08	1.48E-08	8.27E-09	-6.53E-09	3.20E-08	1.79E-08	-1.41E-08
5202	497363.1	3864877.25	1.51E-07	8.24E-08	-6.87E-08	3.32E-08	1.84E-08	-1.48E-08	1.53E-08	8.52E-09	-6.82E-09	3.32E-08	1.84E-08	-1.48E-08
5203	497863.1	3864877.25	1.57E-07	8.56E-08	-7.18E-08	3.46E-08	1.92E-08	-1.54E-08	1.60E-08	8.86E-09	-7.13E-09	3.46E-08	1.92E-08	-1.54E-08
5204	498363.1	3864877.25	1.70E-07	9.28E-08	-7.72E-08	3.74E-08	2.08E-08	-1.66E-08	1.73E-08	9.60E-09	-7.66E-09	3.74E-08	2.08E-08	-1.66E-08
5205	471363.1	3865377.25	7.65E-08	4.17E-08	-3.48E-08	1.68E-08	9.33E-09	-7.47E-09	7.76E-09	4.31E-09	-3.45E-09	1.68E-08	9.33E-09	-7.47E-09
5206	471863.1	3865377.25	7.74E-08	4.22E-08	-3.52E-08	1.70E-08	9.44E-09	-7.55E-09	7.86E-09	4.36E-09	-3.49E-09	1.70E-08	9.44E-09	-7.55E-09
5207	472363.1	3865377.25	7.83E-08	4.27E-08	-3.56E-08	1.72E-08	9.56E-09	-7.64E-09	7.95E-09	4.42E-09	-3.53E-09	1.72E-08	9.56E-09	-7.64E-09
5208	472863.1	3865377.25	8.01E-08	4.37E-08	-3.64E-08	1.76E-08	9.78E-09	-7.81E-09	8.13E-09	4.52E-09	-3.61E-09	1.76E-08	9.78E-09	-7.81E-09
5209	473363.1	3865377.25	8.10E-08	4.42E-08	-3.68E-08	1.78E-08	9.89E-09	-7.90E-09	8.22E-09	4.57E-09	-3.65E-09	1.78E-08	9.89E-09	-7.90E-09
5210	473863.1	3865377.25	8.19E-08	4.47E-08	-3.72E-08	1.80E-08	1.00E-08	-7.98E-09	8.31E-09	4.62E-09	-3.69E-09	1.80E-08	1.00E-08	-7.98E-09
5211	474363.1	3865377.25	8.37E-08	4.54E-08	-3.83E-08	1.84E-08	1.02E-08	-8.21E-09	8.49E-09	4.70E-09	-3.80E-09	1.84E-08	1.02E-08	-8.21E-09
5212	474863.1	3865377.25	8.46E-08	4.59E-08	-3.87E-08	1.86E-08	1.03E-08	-8.30E-09	8.59E-09	4.75E-09	-3.84E-09	1.86E-08	1.03E-08	-8.30E-09
5213	475363.1	3865377.25	8.64E-08	4.69E-08	-3.95E-08	1.90E-08	1.05E-08	-8.47E-09	8.77E-09	4.85E-09	-3.92E-09	1.90E-08	1.05E-08	-8.47E-09
5214	475863.1	3865377.25	8.73E-08	4.74E-08	-3.99E-08	1.92E-08	1.06E-08	-8.56E-09	8.86E-09	4.90E-09	-3.96E-09	1.92E-08	1.06E-08	-8.56E-09
5215	476363.1	3865377.25	8.91E-08	4.84E-08	-4.07E-08	1.96E-08	1.08E-08	-8.73E-09	9.04E-09	5.01E-09	-4.04E-09	1.96E-08	1.08E-08	-8.73E-09
5216	476863.1	3865377.25	8.64E-08	4.74E-08	-3.90E-08	1.90E-08	1.06E-08	-8.36E-09	8.77E-09	4.90E-09	-3.86E-09	1.90E-08	1.06E-08	-8.36E-09
5217	477363.1	3865377.25	9.18E-08	4.99E-08	-4.19E-08	2.02E-08	1.12E-08	-8.99E-09	9.32E-09	5.16E-09	-4.16E-09	2.02E-08	1.12E-08	-8.99E-09
5218	477863.1	3865377.25	9.36E-08	5.09E-08	-4.27E-08	2.06E-08	1.14E-08	-9.17E-09	9.50E-09	5.26E-09	-4.24E-09	2.06E-08	1.14E-08	-9.17E-09
5219	478363.1	3865377.25	9.44E-08	5.14E-08	-4.31E-08	2.08E-08	1.15E-08	-9.25E-09	9.59E-09	5.31E-09	-4.28E-09	2.08E-08	1.15E-08	-9.25E-09
5220	478863.1	3865377.25	9.62E-08	5.24E-08	-4.39E-08	2.11E-08	1.17E-08	-9.42E-09	9.77E-09	5.42E-09	-4.36E-09	2.11E-08	1.17E-08	-9.42E-09
5221	479363.1	3865377.25	9.71E-08	5.31E-08	-4.41E-08	2.13E-08	1.19E-08	-9.46E-09	9.86E-09	5.49E-09	-4.37E-09	2.13E-08	1.19E-08	-9.46E-09
5222	479863.1	3865377.25	9.89E-08	5.38E-08	-4.51E-08	2.17E-08	1.21E-08	-9.68E-09	1.00E-08	5.57E-09	-4.48E-09	2.17E-08	1.21E-08	-9.68E-09
5223	480363.1	3865377.25	1.01E-07	5.48E-08	-4.59E-08	2.21E-08	1.23E-08	-9.86E-09	1.02E-08	5.67E-09	-4.56E-09	2.21E-08	1.23E-08	-9.86E-09
5224	480863.1	3865377.25	1.03E-07	5.58E-08	-4.67E-08	2.25E-08	1.25E-08	-1.00E-08	1.04E-08	5.78E-09	-4.64E-09	2.25E-08	1.25E-08	-1.00E-08
5225	481363.1	3865377.25	1.05E-07	5.71E-08	-4.82E-08	2.31E-08	1.28E-08	-1.03E-08	1.07E-08	5.91E-09	-4.78E-09	2.31E-08	1.28E-08	-1.03E-08
5226	481863.1	3865377.25	1.07E-07	5.81E-08	-4.90E-08	2.35E-08	1.30E-08	-1.05E-08	1.09E-08	6.01E-09	-4.86E-09	2.35E-08	1.30E-08	-1.05E-08
5227	482363.1	3865377.25	1.08E-07	5.88E-08	-4.91E-08	2.37E-08	1.32E-08	-1.05E-08	1.10E-08	6.09E-09	-4.88E-09	2.37E-08	1.32E-08	-1.05E-08
5228	482863.1	3865377.25	1.10E-07	5.98E-08	-4.99E-08	2.41E-08	1.34E-08	-1.07E-08	1.11E-08	6.19E-09	-4.96E-09	2.41E-08	1.34E-08	-1.07E-08
5229	483363.1	3865377.25	1.12E-07	6.08E-08	-5.08E-08	2.45E-08	1.36E-08	-1.09E-08	1.13E-08	6.29E-09	-5.04E-09	2.45E-08	1.36E-08	-1.09E-08
5230	483863.1	3865377.25	1.13E-07	6.18E-08	-5.16E-08	2.49E-08	1.38E-08	-1.11E-08	1.15E-08	6.39E-09	-5.12E-09	2.49E-08	1.38E-08	-1.11E-08
5231	484363.1	3865377.25	1.14E-07	6.25E-08	-5.17E-08	2.51E-08	1.40E-08	-1.11E-08	1.16E-08	6.47E-09	-5.13E-09	2.51E-08	1.40E-08	-1.11E-08
5232	484863.1	3865377.25	1.17E-07	6.40E-08	-5.29E-08	2.57E-08	1.43E-08	-1.14E-08	1.19E-08	6.62E-09	-5.25E-09	2.57E-08	1.43E-08	-1.14E-08
5233	485363.1	3865377.25	1.19E-07	6.50E-08	-5.37E-08	2.61E-08	1.46E-08	-1.15E-08	1.21E-08	6.73E-09	-5.33E-09	2.61E-08	1.46E-08	-1.15E-08
5234	485863.1	3865377.25	1.21E-07	6.65E-08	-5.49E-08	2.67E-08	1.49E-08	-1.18E-08	1.23E-08	6.88E-09	-5.45E-09	2.67E-08	1.49E-08	-1.18E-08
5235	486363.1	3865377.25	1.22E-07	6.72E-08	-5.51E-08	2.69E-08	1.51E-08	-1.18E-08	1.24E-08	6.96E-09	-5.46E-09	2.69E-08	1.51E-08	-1.18E-08
5236	486863.1	3865377.25	1.24E-07	6.80E-08	-5.62E-08	2.73E-08	1.52E-08	-1.21E-08	1.26E-08	7.04E-09	-5.57E-09	2.73E-08	1.52E-08	-1.21E-08
5237	487363.1	3865377.25	1.26E-07	6.90E-08	-5.70E-08	2.77E-08	1.54E-08	-1.22E-08	1.28E-08	7.14E-09	-5.65E-09	2.77E-08	1.54E-08	-1.22E-08
5238	487863.1	3865377.25	1.28E-07	7.02E-08	-5.75E-08	2.81E-08	1.57E-08	-1.23E-08	1.30E-08	7.27E-09	-5.70E-09	2.81E-08	1.57E-08	-1.23E-08
5239	488363.1	3865377.25	1.30E-07	7.15E-08	-5.90E-08	2.87E-08	1.60E-08	-1.27E-08	1.32E-08	7.39E-09	-5.85E-09	2.87E-08	1.60E-08	-1.27E-08
5240	488863.1	3865377.25	1.35E-07	7.34E-08	-6.15E-08	2.96E-08	1.64E-08	-1.32E-08	1.37E-08	7.60E-09	-6.10E-09	2.96E-08	1.64E-08	-1.32E-08
5241	489363.1	3865377.25	1.39E-07	7.54E-08	-6.31E-08	3.04E-08	1.69E-08	-1.35E-08	1.41E-08	7.81E-09	-6.26E-09	3.04E-08	1.69E-08	-1.35E-08
5242	489863.1	3865377.25	1.41E-07	7.67E-08	-6.46E-08	3.10E-08	1.72E-08	-1.39E-08	1.43E-08	7.93E-09	-6.41E-09	3.10E-08	1.72E-08	-1.39E-08
5243	490363.1	3865377.25	1.27E-07	6.90E-08	-5.79E-08	2.79E-08	1.54E-08	-1.24E-08	1.29E-08	7.14E-09	-5.74E-09	2.79E-08	1.54E-08	-1.24E-08
5244	490863.1	3865377.25	1.23E-07	6.65E-08	-5.67E-08	2.71E-08	1.49E-08	-1.22E-08	1.25E-08	6.88E-09	-5.63E-09	2.71E-08	1.49E-08	-1.22E-08
5245	491363.1	3865377.25	1.21E-07	6.53E-08	-5.53E-08	2.65E-08	1.46E-08	-1.19E-08	1.22E-08	6.75E-09	-5.49E-09	2.65E-08	1.46E-08	-1.19E-08
5246	491863.1	3865377.25	1.21E-07	6.60E-08	-5.45E-08	2.65E-08	1.48E-08	-1.17E-08	1.22E-08	6.83E-09	-5.41E-09	2.65E-08	1.48E-08	-1.17E-08
5247	492363.1	3865377.25	1.02E-07	5.68E-08	-4.48E-08	2.23E-08	1.27E-08	-9.61E-09	1.03E-08	5.88E-09	-4.44E-09	2.23E-08	1.27E-08	-9.61E-09
5248	492863.1	3865377.25	8.55E-08	4.89E-08	-3.66E-08	1.88E-08	1.09E-08	-7.83E-09	8.68E-09	5.06E-09	-3.62E-09	1.88E-08	1.09E-08	-7.83E-09

5249	493363.1	3865377.25	7.83E-08	4.47E-08	-3.36E-08	1.72E-08	1.00E-08	-7.19E-09	7.95E-09	4.62E-09	-3.32E-09	1.72E-08	1.00E-08	-7.19E-09
5250	493863.1	3865377.25	8.82E-08	4.99E-08	-3.83E-08	1.94E-08	1.12E-08	-8.20E-09	8.95E-09	5.16E-09	-3.79E-09	1.94E-08	1.12E-08	-8.20E-09
5251	494363.1	3865377.25	1.02E-07	5.63E-08	-4.53E-08	2.23E-08	1.26E-08	-9.72E-09	1.03E-08	5.83E-09	-4.49E-09	2.23E-08	1.26E-08	-9.72E-09
5252	494863.1	3865377.25	1.12E-07	6.10E-08	-5.14E-08	2.47E-08	1.37E-08	-1.10E-08	1.14E-08	6.32E-09	-5.10E-09	2.47E-08	1.37E-08	-1.10E-08
5253	495363.1	3865377.25	1.18E-07	6.35E-08	-5.43E-08	2.59E-08	1.42E-08	-1.17E-08	1.20E-08	6.57E-09	-5.39E-09	2.59E-08	1.42E-08	-1.17E-08
5254	495863.1	3865377.25	1.25E-07	6.87E-08	-5.63E-08	2.75E-08	1.54E-08	-1.21E-08	1.27E-08	7.11E-09	-5.58E-09	2.75E-08	1.54E-08	-1.21E-08
5255	496363.1	3865377.25	1.16E-07	6.48E-08	-5.13E-08	2.55E-08	1.45E-08	-1.10E-08	1.18E-08	6.70E-09	-5.08E-09	2.55E-08	1.45E-08	-1.10E-08
5256	496863.1	3865377.25	1.12E-07	6.30E-08	-4.94E-08	2.47E-08	1.41E-08	-1.06E-08	1.14E-08	6.52E-09	-4.90E-09	2.47E-08	1.41E-08	-1.06E-08
5257	497363.1	3865377.25	1.24E-07	6.82E-08	-5.59E-08	2.73E-08	1.53E-08	-1.20E-08	1.26E-08	7.06E-09	-5.54E-09	2.73E-08	1.53E-08	-1.20E-08
5258	497863.1	3865377.25	1.28E-07	6.95E-08	-5.83E-08	2.81E-08	1.56E-08	-1.25E-08	1.30E-08	7.19E-09	-5.78E-09	2.81E-08	1.56E-08	-1.25E-08
5259	498363.1	3865377.25	1.25E-07	6.80E-08	-5.71E-08	2.75E-08	1.52E-08	-1.22E-08	1.27E-08	7.04E-09	-5.66E-09	2.75E-08	1.52E-08	-1.22E-08
5260	471363.1	3865877.25	7.38E-08	4.02E-08	-3.36E-08	1.62E-08	9.00E-09	-7.21E-09	7.49E-09	4.16E-09	-3.33E-09	1.62E-08	9.00E-09	-7.21E-09
5261	471863.1	3865877.25	7.56E-08	4.12E-08	-3.44E-08	1.66E-08	9.22E-09	-7.38E-09	7.67E-09	4.26E-09	-3.41E-09	1.66E-08	9.22E-09	-7.38E-09
5262	472363.1	3865877.25	7.65E-08	4.17E-08	-3.48E-08	1.68E-08	9.33E-09	-7.47E-09	7.76E-09	4.31E-09	-3.45E-09	1.68E-08	9.33E-09	-7.47E-09
5263	472863.1	3865877.25	7.74E-08	4.22E-08	-3.52E-08	1.70E-08	9.44E-09	-7.55E-09	7.86E-09	4.36E-09	-3.49E-09	1.70E-08	9.44E-09	-7.55E-09
5264	473363.1	3865877.25	7.83E-08	4.27E-08	-3.56E-08	1.72E-08	9.56E-09	-7.64E-09	7.95E-09	4.42E-09	-3.53E-09	1.72E-08	9.56E-09	-7.64E-09
5265	473863.1	3865877.25	8.01E-08	4.34E-08	-3.66E-08	1.76E-08	9.72E-09	-7.87E-09	8.13E-09	4.49E-09	-3.64E-09	1.76E-08	9.72E-09	-7.87E-09
5266	474363.1	3865877.25	8.10E-08	4.42E-08	-3.68E-08	1.78E-08	9.89E-09	-7.90E-09	8.22E-09	4.57E-09	-3.65E-09	1.78E-08	9.89E-09	-7.90E-09
5267	474863.1	3865877.25	8.28E-08	4.49E-08	-3.78E-08	1.82E-08	1.01E-08	-8.13E-09	8.40E-09	4.65E-09	-3.76E-09	1.82E-08	1.01E-08	-8.13E-09
5268	475363.1	3865877.25	8.37E-08	4.54E-08	-3.83E-08	1.84E-08	1.02E-08	-8.21E-09	8.49E-09	4.70E-09	-3.80E-09	1.84E-08	1.02E-08	-8.21E-09
5269	475863.1	3865877.25	8.55E-08	4.64E-08	-3.91E-08	1.88E-08	1.04E-08	-8.39E-09	8.68E-09	4.80E-09	-3.88E-09	1.88E-08	1.04E-08	-8.39E-09
5270	476363.1	3865877.25	8.55E-08	4.66E-08	-3.88E-08	1.88E-08	1.04E-08	-8.33E-09	8.68E-09	4.83E-09	-3.85E-09	1.88E-08	1.04E-08	-8.33E-09
5271	476863.1	3865877.25	8.37E-08	4.59E-08	-3.78E-08	1.84E-08	1.03E-08	-8.10E-09	8.49E-09	4.75E-09	-3.74E-09	1.84E-08	1.03E-08	-8.10E-09
5272	477363.1	3865877.25	8.91E-08	4.84E-08	-4.07E-08	1.96E-08	1.08E-08	-8.73E-09	9.04E-09	5.01E-09	-4.04E-09	1.96E-08	1.08E-08	-8.73E-09
5273	477863.1	3865877.25	9.00E-08	4.91E-08	-4.08E-08	1.98E-08	1.10E-08	-8.76E-09	9.13E-09	5.08E-09	-4.05E-09	1.98E-08	1.10E-08	-8.76E-09
5274	478363.1	3865877.25	9.09E-08	4.96E-08	-4.12E-08	2.00E-08	1.11E-08	-8.85E-09	9.23E-09	5.14E-09	-4.09E-09	2.00E-08	1.11E-08	-8.85E-09
5275	478863.1	3865877.25	9.18E-08	5.01E-08	-4.16E-08	2.02E-08	1.12E-08	-8.94E-09	9.32E-09	5.19E-09	-4.13E-09	2.02E-08	1.12E-08	-8.94E-09
5276	479363.1	3865877.25	9.27E-08	5.06E-08	-4.20E-08	2.04E-08	1.13E-08	-9.02E-09	9.41E-09	5.24E-09	-4.17E-09	2.04E-08	1.13E-08	-9.02E-09
5277	479863.1	3865877.25	9.36E-08	5.11E-08	-4.24E-08	2.06E-08	1.14E-08	-9.11E-09	9.50E-09	5.29E-09	-4.21E-09	2.06E-08	1.14E-08	-9.11E-09
5278	480363.1	3865877.25	9.53E-08	5.19E-08	-4.35E-08	2.09E-08	1.16E-08	-9.34E-09	9.68E-09	5.37E-09	-4.32E-09	2.09E-08	1.16E-08	-9.34E-09
5279	480863.1	3865877.25	9.62E-08	5.26E-08	-4.36E-08	2.11E-08	1.18E-08	-9.37E-09	9.77E-09	5.44E-09	-4.33E-09	2.11E-08	1.18E-08	-9.37E-09
5280	481363.1	3865877.25	9.89E-08	5.38E-08	-4.51E-08	2.17E-08	1.21E-08	-9.68E-09	1.00E-08	5.57E-09	-4.48E-09	2.17E-08	1.21E-08	-9.68E-09
5281	481863.1	3865877.25	9.98E-08	5.43E-08	-4.55E-08	2.19E-08	1.22E-08	-9.77E-09	1.01E-08	5.62E-09	-4.52E-09	2.19E-08	1.22E-08	-9.77E-09
5282	482363.1	3865877.25	1.01E-07	5.51E-08	-4.57E-08	2.21E-08	1.23E-08	-9.80E-09	1.02E-08	5.70E-09	-4.53E-09	2.21E-08	1.23E-08	-9.80E-09
5283	482863.1	3865877.25	1.03E-07	5.58E-08	-4.67E-08	2.25E-08	1.25E-08	-1.00E-08	1.04E-08	5.78E-09	-4.64E-09	2.25E-08	1.25E-08	-1.00E-08
5284	483363.1	3865877.25	1.04E-07	5.68E-08	-4.75E-08	2.29E-08	1.27E-08	-1.02E-08	1.06E-08	5.88E-09	-4.72E-09	2.29E-08	1.27E-08	-1.02E-08
5285	483863.1	3865877.25	1.05E-07	5.76E-08	-4.77E-08	2.31E-08	1.29E-08	-1.02E-08	1.07E-08	5.96E-09	-4.73E-09	2.31E-08	1.29E-08	-1.02E-08
5286	484363.1	3865877.25	1.07E-07	5.86E-08	-4.85E-08	2.35E-08	1.31E-08	-1.04E-08	1.09E-08	6.06E-09	-4.81E-09	2.35E-08	1.31E-08	-1.04E-08
5287	484863.1	3865877.25	1.09E-07	5.95E-08	-4.93E-08	2.39E-08	1.33E-08	-1.06E-08	1.11E-08	6.16E-09	-4.89E-09	2.39E-08	1.33E-08	-1.06E-08
5288	485363.1	3865877.25	1.10E-07	6.03E-08	-4.95E-08	2.41E-08	1.35E-08	-1.06E-08	1.11E-08	6.24E-09	-4.90E-09	2.41E-08	1.35E-08	-1.06E-08
5289	485863.1	3865877.25	1.12E-07	6.10E-08	-5.05E-08	2.45E-08	1.37E-08	-1.08E-08	1.13E-08	6.32E-09	-5.01E-09	2.45E-08	1.37E-08	-1.08E-08
5290	486363.1	3865877.25	1.12E-07	6.15E-08	-5.09E-08	2.47E-08	1.38E-08	-1.09E-08	1.14E-08	6.37E-09	-5.05E-09	2.47E-08	1.38E-08	-1.09E-08
5291	486863.1	3865877.25	1.13E-07	6.23E-08	-5.11E-08	2.49E-08	1.39E-08	-1.10E-08	1.15E-08	6.44E-09	-5.06E-09	2.49E-08	1.39E-08	-1.10E-08
5292	487363.1	3865877.25	1.15E-07	6.33E-08	-5.19E-08	2.53E-08	1.42E-08	-1.11E-08	1.17E-08	6.55E-09	-5.14E-09	2.53E-08	1.42E-08	-1.11E-08
5293	487863.1	3865877.25	1.18E-07	6.48E-08	-5.31E-08	2.59E-08	1.45E-08	-1.14E-08	1.20E-08	6.70E-09	-5.26E-09	2.59E-08	1.45E-08	-1.14E-08
5294	488363.1	3865877.25	1.21E-07	6.62E-08	-5.43E-08	2.65E-08	1.48E-08	-1.16E-08	1.22E-08	6.86E-09	-5.38E-09	2.65E-08	1.48E-08	-1.16E-08
5295	488863.1	3865877.25	1.24E-07	6.77E-08	-5.64E-08	2.73E-08	1.52E-08	-1.21E-08	1.26E-08	7.01E-09	-5.60E-09	2.73E-08	1.52E-08	-1.21E-08
5296	489363.1	3865877.25	1.27E-07	6.90E-08	-5.79E-08	2.79E-08	1.54E-08	-1.24E-08	1.29E-08	7.14E-09	-5.74E-09	2.79E-08	1.54E-08	-1.24E-08
5297	489863.1	3865877.25	1.28E-07	6.95E-08	-5.83E-08	2.81E-08	1.56E-08	-1.25E-08	1.30E-08	7.19E-09	-5.78E-09	2.81E-08	1.56E-08	-1.25E-08
5298	490363.1	3865877.25	1.23E-07	6.70E-08	-5.62E-08	2.71E-08	1.50E-08	-1.21E-08	1.25E-08	6.93E-09	-5.58E-09	2.71E-08	1.50E-08	-1.21E-08
5299	490863.1	3865877.25	1.15E-07	6.23E-08	-5.29E-08	2.53E-08	1.39E-08	-1.14E-08	1.17E-08	6.44E-09	-5.25E-09	2.53E-08	1.39E-08	-1.14E-08
5300	491363.1	3865877.25	1.07E-07	5.81E-08	-4.90E-08	2.35E-08	1.30E-08	-1.05E-08	1.09E-08	6.01E-09	-4.86E-09	2.35E-08	1.30E-08	-1.05E-08
5301	491863.1	3865877.25	1.07E-07	5.83E-08	-4.87E-08	2.35E-08	1.31E-08	-1.05E-08	1.09E-08	6.03E-09	-4.84E-09	2.35E-08	1.31E-08	-1.05E-08
5302	492363.1	3865877.25	1.01E-07	5.58E-08	-4.49E-08	2.21E-08	1.25E-08	-9.63E-09	1.02E-08	5.78E-09	-4.45E-09	2.21E-08	1.25E-08	-9.63E-09
5303	492863.1	3865877.25	8.28E-08	4.69E-08	-3.59E-08	1.82E-08	1.05E-08	-7.68E-09	8.40E-09	4.85E-09	-3.55E-09	1.82E-08	1.05E-08	-7.68E-09
5304	493363.1	3865877.25	7.92E-08	4.52E-08	-3.40E-08	1.74E-08	1.01E-08	-7.28E-09	8.04E-09	4.67E-09	-3.36E-09	1.74E-08	1.01E-08	-7.28E-09
5305	493863.1	3865877.25	8.28E-08	4.71E-08	-3.56E-08	1.82E-08	1.06E-08	-7.63E-09	8.40E-09	4.88E-09	-3.52E-09	1.82E-08	1.06E-08	-7.63E-09
5306	494363.1	3865877.25	8.91E-08	5.04E-08	-3.87E-08	1.96E-08	1.13E-08	-8.29E-09	9.04E-09	5.21E-09	-3.83E-09	1.96E-08	1.13E-08	-8.29E-09
5307	494863.1	3865877.25	1.02E-07	5.63E-08	-4.53E-08	2.23E-08	1.26E-08	-9.72E-09	1.03E-08	5.83E-09	-4.49E-09	2.23E-08	1.26E-08	-9.72E-09
5308	495363.1	3865877.25	1.05E-07	5.71E-08	-4.82E-08	2.31E-08	1.28E-08	-1.03E-08	1.07E-08	5.91E-09	-4.78E-09	2.31E-08	1.28E-08	-1.03E-08
5309	495863.1	3865877.25	1.05E-07	5.68E-08	-4.84E-08	2.31E-08	1.27E-08	-1.04E-08	1.07E-08	5.88E-09	-4.81E-09	2.31E-08	1.27E-08	-1.04E-08
5310	496363.1	3865877.25	1.01E-07	5.53E-08	-4.54E-08	2.21E-08	1.24E-08	-9.75E-09	1.02E-08	5.73E-09	-4.50E-09	2.21E-08	1.24E-08	-9.75E-09
5311	496863.1	3865877.25	9.53E-08	5.36E-08	-4.18E-08	2.09E-08	1.20E-08	-8.95E-09	9.68E-09	5.55E-09	-4.14E-09	2.09E-08	1.20E-08	-8.95E-09
5312	497363.1	3865877.25	9.80E-08	5.51E-08	-4.30E-08	2.15E-08	1.23E-08	-9.21E-09	9.96E-09	5.70E-09	-4.26E-09	2.15E-08	1.23E-08	-9.21E-09
5313	497863.1	3865877.25	1.03E-07	5.71E-08	-4.55E-08	2.25E-08	1.28E-08	-9.75E-09	1.04E-08	5.91E-09	-4.51E-09	2.25E-08	1.28E-08	-9.75E-09
5314	498363.1	3865877.25	9.62E-08	5.26E-08	-4.36E-08	2.11E-08	1.18E-08	-9.37E-09	9.77E-09	5.44E-09	-4.33E-09	2.11E-08	1.18E-08	-9.37E-09
5315	471363.1	3866377.25	7.20E-08	3.94E-08	-3.25E-08	1.58E-08	8.83E-09	-6.98E-09	7.31E-09	4.08E-09	-3.22E-09	1.58E-08	8.83E-09	-6.98E-09
5316	471863.1	3866377.25	7.29E-08	3.99E-08	-3.29E-08	1.60E-08	8.94E-09	-7.06E-09	7.40E-09	4.13E-09	-3.26E-09	1.60E-08	8.94E-09	-7.06E-09
5317	472363.1	3866377.25	7.47E-08	4.07E-08	-3.40E-08	1.64E-08	9.11E-09	-7.29E-09	7.58E-09	4.21E-09	-3.37E-09	1.64E-08	9.11E-09	-7.29E-09
5318	472863.1	3866377.25	7.56E-08	4.12E-08	-3.44E-08	1.66E-08	9.22E-09	-7.38E-09	7.67E-09	4.26E-09	-3.41E-09	1.66E-08	9.22E-09	-7.38E-09
5319	473363.1	3866377.25	7.65E-08	4.17E-08	-3.48E-08	1.68E-08	9.33E-09	-7.47E-09	7.76E-09	4.31E-09	-3.45E-09	1.68E-08	9.33E-09	-7.47E-09
5320	473863.1	3866377.25	7.83E-08	4.24E-08	-3.58E-08	1.72E-08	9.50E-09	-7.69E-09	7.95E-09	4.39E-09	-3.56E-09	1.72E-08	9.50E-09	-7.69E-09
5321	474363.1	3866377.25	7.92E-08	4.32E-08	-3.60E-08	1.74E-08	9.67E-09	-7.73E-09	8.04E-09	4.47E-09	-3.57E-09	1.74E-08	9.67E-09	-7.73E-09
5322	474863.1	3866377.25	8.01E-08	4.37E-08	-3.64E-08	1.76E-08	9.78E-09	-7.81E-09	8.13E-09	4.52E-09	-3.61E-09	1.76E-08	9.78E-09	-7.81E-09
5323	475363.1	3866377.25	8.10E-08	4.42E-08	-3.68E-08	1.78E-08	9.89E-09	-7.90E-09	8.22E-09	4.57E-09	-3.65E-09	1.78E-08	9.89E-09	-7.90E-09
5324	475863.1	3866377.25	8.19E-08	4.47E-08	-3.72E-08	1.80E-08	1.00E-08	-7.98E-09	8.31E-09	4.62E-09	-3.69E-09	1.80E-08	1.00E-08	-7.98E-09
5325	476363.1	3866377.25	8.28E-08	4.52E-08	-3.76E-08	1.82E-08	1.01E-08	-8.07E-09	8.40E-09	4.67E-09	-3.73E-09	1.82E-08	1.01E-08	-8.07E-09
5326	476863.1	3866377.25	7.83E-08	4.32E-08	-3.51E-08	1.72E-08	9.67E-09	-7.53E-09	7.95E-09	4.47E-09	-3.48E-09	1.72E-08	9.67E-09	-7.53E-09
5327	477363.1	3866377.25	8.28E-08	4.54E-08	-3.74E-08	1.82E-08	1.02E-08	-8.02E-09	8.40E-09	4.70E-09	-3.70E-09	1.82E-08	1.02E-08	-8.02E-09
5328	477863.1	3866377.25	8.64E-08	4.69E-08	-3.95E-08	1.90E-08	1.05E-08	-8.47E-09	8.77E-09	4.85E-09	-3.92E-09	1.90E-08	1.05E-08	-8.47E-09
5329	478363.1	3866377.25	8.64E-08	4.71E-08	-3.92E-08	1.90E-08	1.06E-08	-8.42E-09	8.77E-09	4.88E-09	-3.89E-09	1.90E-08	1.06E-08	-8.42E-09
5330	478863.1	3866377.25	8.73E-08	4.76E-08	-3.96E-08	1.92E-08	1.07E-08	-8.50E-09	8.86E-09	4.93E-09	-3.93E-09	1.92E-08	1.07E-08	-8.50E-09
5331	479363.1	3866377.25	8.82E-08	4.81E-08	-4.00E-08	1.94E-08	1.08E-08	-8.59E-09	8.95E-09	4.98E-09	-3.97E-09	1.94E-08	1.08E-08	-8.59E-09
5332	479863.1	3866377.25	8.91E-08	4.86E-08	-4.04E-08	1.96E-08	1.09E-08	-8.68E-09	9.04E-09	5.03E-09	-4.01E-09	1.96E-08	1.09E-08	-8.68E-09
5333	480363.1	3866377.25	9.00E-08	4.91E-08	-4.08E-08	1.98E-08	1.10E-08	-8.76E-09	9.13E-09	5.08E-09	-4.05E-09	1.98E-08	1.10E-08	-8.76E-09
5334	480863.1	3866377.25	9.18E-08	4.99E-08	-4.19E-08	2.02E-08	1.12E-08	-8.99E-09	9.32E-09	5.16E-09	-4.16E-09	2.02E-08	1.12E-08	-8.99E-09
5335	481363.1	3866377.25	9.36E-08	5.09E-08	-4.27E-08	2.06E-08	1.14E-08	-9.17E-09	9.50E-09	5.26E-09	-4.24E-09	2.06E-08	1.14E-08	-9.17E-09
5336	481863.1	3866377.25	9.44E-08	5.14E-08	-4.31E-08	2.08E-08	1.15E-08	-9.25E-09	9.59E-09	5.31E-09	-4.28E-09	2.08E-08	1.15E-08	-9.25E-09
5337	482363.1	3866377.25	9.53E-08	5.19E-08	-4.35E-08	2.09E-08	1.16E-08	-9.34E-09	9.68E-09	5.37E-09	-4.32E-09	2.09E-08	1.16E-08	-9.34E-09
5338	482863.1	3866377.25	9.62E-08	5.26E-08	-4.36E-08	2.11E-08	1.18E-08	-9.37E-09	9.77E-09	5.44E-09	-4.33E-09	2.11E-08	1.18E-08	-9.37E-09
5339	483363.1	3866377.25	9.71E-08	5.31E-08	-4.41E-08	2.13E-08	1.19E-08	-9.46E-09	9.86E-09	5.49E-09	-4.37E-09	2.13E-08	1.19E-08	-9.46E-09
5340	483863.1	3866377.25	9.89E-08	5.41E-08	-4.49E-08	2.17E-08	1.21E-08	-9.63E-09	1.00E-08	5.60E-09	-4.45E-09	2.17E-08	1.21E-08	-9.63E-09
5341	484363.1	3866377.25	9.89E-08	5.43E-08	-4.46E-08	2.17E-08	1.22E-08	-9.57E-09	1.00E-08	5.62E-09	-4.42E-09	2.17E-08	1.22E-08	-9.57E-09
5342	484863.1	3866377.25	1.01E-07	5.51E-08	-4.57E-08	2.21E-08	1.23E-08	-9.80E-09	1.02E-08	5.70E-09	-4.53E-09	2.21E-08	1.23E-08	-9.80E-09
5343	485363.1	3866377.25	1.02E-07	5.58E-08	-4.58E-08	2.23E-08	1.25E-08	-9.83E-09	1.03E-08	5.78E-09	-4.54E-09	2.23E-08	1.25E-08	-9.83E-09
5344	485863.1	3866377.25	1.03E-07	5.68E-08	-4.66E-08	2.27E-08	1.27E-08	-1.00E-08	1.05E-08	5.88E-09	-4.62E-09	2.27E-08	1.27E-08	-1.00E-08
5345	486363.1	3866377.25	1.05E-07	5.78E-08	-4.74E-08	2.31E-08	1.29E-08	-1.02E-08	1.07E-08	5.98E-09	-4.70E-09	2.31E-08	1.29E-08	-1.02E-08
5346	486863.1	3866377.25	1.07E-07	5.88E-08	-4.82E-08	2.35E-08	1.32E-08	-1.04E-08	1.09E-08	6.09E-09	-4.78E-09	2.35E-08	1.32E-08	-1.04E-08
5347	487363.1	3866377.25	1.09E-07	5.98E-08	-4.90E-08	2.39E-08	1.34E-08	-1.05E-08	1.11E-08	6.19E-09	-4.86E-09	2.39E-08	1.34E-08	-1.05E-08
5348	487863.1	3866377.25	1.09E-07	5.98E-08	-4.90E-08	2.39E-08	1.34E-08	-1.05E-08	1.11E-08	6.19E-09	-4.86E-09	2.39E-08	1.34E-08	-1.05E-08
5349	488363.1	3866377.25	1.11E-07	6.08E-08	-4.99E-08	2.43E-08	1.36E-08	-1.07E-08	1.12E-08	6.29E-09	-4.94E-09	2.43E-08	1.36E-08	-1.07E-08
5350	488863.1	3866377.25	1.07E-07	5.88E-08	-4.82E-08	2.35E-08	1.32E-08	-1.04E-08	1.09E-08	6.09E-09	-4.78E-09	2.35E-08	1.32E-08	-1.04E-08
5351	489363.1	3866377.25	1.04E-07	5.73E-08	-4.70E-08	2.29E-08	1.28E-08	-1.01E-08	1.06E-08	5.93E-09	-4.66E-09	2.29E-08	1.28E-08	-1.01E-08
5352	489863.1	3866377.25	9.98E-08	5.46E-08	-4.53E-08	2.19E-08	1.22E-08	-9.72E-09	1.01E-08	5.65E-09	-4.49E-09	2.19E-08	1.22E-08	-9.72E-09
5353	490363.1	3866377.25	1.12E-07	6.10E-08	-5.14E-08	2.47E-08	1.37E-08	-1.10E-08	1.14E-08	6.32E-09	-5.10E-09	2.47E-08	1.37E-08	-1.10E-08

5354	490863.1	3866377.25	1.15E-07	6.25E-08	-5.26E-08	2.53E-08	1.40E-08	-1.13E-08	1.17E-08	6.47E-09	-5.22E-09	2.53E-08	1.40E-08	-1.13E-08
5355	491363.1	3866377.25	1.11E-07	5.98E-08	-5.08E-08	2.43E-08	1.34E-08	-1.09E-08	1.12E-08	6.19E-09	-5.05E-09	2.43E-08	1.34E-08	-1.09E-08
5356	491863.1	3866377.25	9.18E-08	5.01E-08	-4.16E-08	2.02E-08	1.12E-08	-8.94E-09	9.32E-09	5.19E-09	-4.13E-09	2.02E-08	1.12E-08	-8.94E-09
5357	492363.1	3866377.25	9.27E-08	5.09E-08	-4.18E-08	2.04E-08	1.14E-08	-8.97E-09	9.41E-09	5.26E-09	-4.14E-09	2.04E-08	1.14E-08	-8.97E-09
5358	492863.1	3866377.25	8.46E-08	4.71E-08	-3.74E-08	1.86E-08	1.06E-08	-8.02E-09	8.59E-09	4.88E-09	-3.71E-09	1.86E-08	1.06E-08	-8.02E-09
5359	493363.1	3866377.25	8.37E-08	4.69E-08	-3.68E-08	1.84E-08	1.05E-08	-7.88E-09	8.49E-09	4.85E-09	-3.64E-09	1.84E-08	1.05E-08	-7.88E-09
5360	493863.1	3866377.25	8.46E-08	4.76E-08	-3.69E-08	1.86E-08	1.07E-08	-7.91E-09	8.59E-09	4.93E-09	-3.66E-09	1.86E-08	1.07E-08	-7.91E-09
5361	494363.1	3866377.25	8.91E-08	5.04E-08	-3.87E-08	1.96E-08	1.13E-08	-8.29E-09	9.04E-09	5.21E-09	-3.83E-09	1.96E-08	1.13E-08	-8.29E-09
5362	494863.1	3866377.25	8.82E-08	4.96E-08	-3.85E-08	1.94E-08	1.11E-08	-8.26E-09	8.95E-09	5.14E-09	-3.82E-09	1.94E-08	1.11E-08	-8.26E-09
5363	495363.1	3866377.25	8.64E-08	4.76E-08	-3.87E-08	1.90E-08	1.07E-08	-8.31E-09	8.77E-09	4.93E-09	-3.84E-09	1.90E-08	1.07E-08	-8.31E-09
5364	495863.1	3866377.25	8.64E-08	4.66E-08	-3.97E-08	1.90E-08	1.04E-08	-8.53E-09	8.77E-09	4.83E-09	-3.94E-09	1.90E-08	1.04E-08	-8.53E-09
5365	496363.1	3866377.25	8.73E-08	4.66E-08	-4.06E-08	1.92E-08	1.04E-08	-8.73E-09	8.86E-09	4.83E-09	-4.03E-09	1.92E-08	1.04E-08	-8.73E-09
5366	496863.1	3866377.25	8.46E-08	4.61E-08	-3.84E-08	1.86E-08	1.03E-08	-8.24E-09	8.59E-09	4.78E-09	-3.81E-09	1.86E-08	1.03E-08	-8.24E-09
5367	497363.1	3866377.25	8.37E-08	4.71E-08	-3.65E-08	1.84E-08	1.06E-08	-7.82E-09	8.49E-09	4.88E-09	-3.62E-09	1.84E-08	1.06E-08	-7.82E-09
5368	497863.1	3866377.25	8.46E-08	4.79E-08	-3.67E-08	1.86E-08	1.07E-08	-7.86E-09	8.59E-09	4.96E-09	-3.63E-09	1.86E-08	1.07E-08	-7.86E-09
5369	498363.1	3866377.25	7.83E-08	4.37E-08	-3.46E-08	1.72E-08	9.78E-09	-7.42E-09	7.95E-09	4.52E-09	-3.43E-09	1.72E-08	9.78E-09	-7.42E-09
5370	474494.9	3848334.16	3.08E-05	1.71E-05	-1.37E-05	6.77E-06	3.82E-06	-2.95E-06	3.13E-06	1.77E-06	-1.36E-06	6.77E-06	3.82E-06	-2.95E-06
5371	475167.3	3848920.79	3.64E-05	2.01E-05	-1.63E-05	8.00E-06	4.51E-06	-3.49E-06	3.70E-06	2.08E-06	-1.61E-06	8.00E-06	4.51E-06	-3.49E-06
5372	475297.9	3848997.96	2.82E-05	1.57E-05	-1.26E-05	6.20E-06	3.51E-06	-2.69E-06	2.87E-06	1.62E-06	-1.24E-06	6.20E-06	3.51E-06	-2.69E-06
5373	475439.1	3849062	3.28E-05	1.82E-05	-1.46E-05	7.21E-06	4.08E-06	-3.13E-06	3.33E-06	1.89E-06	-1.45E-06	7.21E-06	4.08E-06	-3.13E-06
5374	475486.9	3849061.09	2.42E-05	1.34E-05	-1.08E-05	5.32E-06	3.01E-06	-2.31E-06	2.46E-06	1.39E-06	-1.07E-06	5.32E-06	3.01E-06	-2.31E-06
5375	475538.5	3849075.56	2.46E-05	1.36E-05	-1.10E-05	5.40E-06	3.05E-06	-2.35E-06	2.50E-06	1.41E-06	-1.09E-06	5.40E-06	3.05E-06	-2.35E-06
5376	475751.8	3849137.15	3.61E-05	2.01E-05	-1.60E-05	7.93E-06	4.50E-06	-3.43E-06	3.66E-06	2.08E-06	-1.59E-06	7.93E-06	4.50E-06	-3.43E-06
5377	476303.6	3849223.38	3.29E-05	1.82E-05	-1.47E-05	7.23E-06	4.08E-06	-3.15E-06	3.34E-06	1.88E-06	-1.46E-06	7.23E-06	4.08E-06	-3.15E-06
5378	476304.5	3849238.92	4.57E-05	2.53E-05	-2.04E-05	1.00E-05	5.66E-06	-4.37E-06	4.64E-06	2.62E-06	-2.02E-06	1.00E-05	5.66E-06	-4.37E-06
5379	476365	3849247.98	4.07E-05	2.26E-05	-1.81E-05	8.95E-06	5.06E-06	-3.89E-06	4.14E-06	2.34E-06	-1.80E-06	8.95E-06	5.06E-06	-3.89E-06
5380	476444.9	3849267.13	4.08E-05	2.27E-05	-1.81E-05	8.97E-06	5.09E-06	-3.88E-06	4.15E-06	2.35E-06	-1.79E-06	8.97E-06	5.09E-06	-3.88E-06
5381	476550.8	3849300.66	4.86E-05	2.72E-05	-2.14E-05	1.07E-05	6.09E-06	-4.58E-06	4.93E-06	2.81E-06	-2.12E-06	1.07E-05	6.09E-06	-4.58E-06
5382	476656.7	3849346.88	4.20E-05	2.34E-05	-1.86E-05	9.22E-06	5.24E-06	-3.99E-06	4.26E-06	2.42E-06	-1.84E-06	9.22E-06	5.24E-06	-3.99E-06
5383	476873.6	3849454.53	4.20E-05	2.33E-05	-1.87E-05	9.23E-06	5.22E-06	-4.01E-06	4.26E-06	2.41E-06	-1.85E-06	9.23E-06	5.22E-06	-4.01E-06
5384	477700	3849859.7	4.15E-05	2.27E-05	-1.87E-05	9.11E-06	5.09E-06	-4.01E-06	4.21E-06	2.35E-06	-1.86E-06	9.11E-06	5.09E-06	-4.01E-06
5385	477743.2	3849856.38	2.94E-05	1.61E-05	-1.33E-05	6.46E-06	3.62E-06	-2.84E-06	2.99E-06	1.67E-06	-1.31E-06	6.46E-06	3.62E-06	-2.84E-06
5386	478477.4	3850216.33	3.08E-05	1.67E-05	-1.40E-05	6.76E-06	3.75E-06	-3.01E-06	3.12E-06	1.73E-06	-1.39E-06	6.76E-06	3.75E-06	-3.01E-06
5387	478485.8	3850201.6	2.37E-05	1.29E-05	-1.08E-05	5.20E-06	2.89E-06	-2.31E-06	2.40E-06	1.34E-06	-1.07E-06	5.20E-06	2.89E-06	-2.31E-06
5388	479113.2	3850501.53	2.18E-05	1.18E-05	-9.95E-06	4.79E-06	2.65E-06	-2.14E-06	2.21E-06	1.23E-06	-9.88E-07	4.79E-06	2.65E-06	-2.14E-06
5389	479108.1	3850382.28	8.74E-06	4.80E-06	-3.94E-06	1.92E-06	1.07E-06	-8.45E-07	8.87E-07	4.97E-07	-3.91E-07	1.92E-06	1.07E-06	-8.45E-07
5390	479689.9	3850674.28	9.09E-06	4.98E-06	-4.12E-06	2.00E-06	1.11E-06	-8.84E-07	9.23E-07	5.15E-07	-4.08E-07	2.00E-06	1.11E-06	-8.84E-07
5391	479952.4	3850774.28	7.87E-06	4.32E-06	-3.56E-06	1.73E-06	9.66E-07	-7.64E-07	8.00E-07	4.47E-07	-3.53E-07	1.73E-06	9.66E-07	-7.64E-07
5392	479911.3	3850884.85	2.05E-05	1.11E-05	-9.41E-06	4.51E-06	2.49E-06	-2.02E-06	2.08E-06	1.15E-06	-9.34E-07	4.51E-06	2.49E-06	-2.02E-06
5393	480500.9	3851178.12	2.11E-05	1.16E-05	-9.46E-06	4.63E-06	2.60E-06	-2.03E-06	2.14E-06	1.20E-06	-9.38E-07	4.63E-06	2.60E-06	-2.03E-06
5394	480738	3851289.27	1.97E-05	1.09E-05	-8.80E-06	4.34E-06	2.45E-06	-1.89E-06	2.00E-06	1.13E-06	-8.72E-07	4.34E-06	2.45E-06	-1.89E-06
5395	481055.4	3851443.58	1.91E-05	1.07E-05	-8.41E-06	4.19E-06	2.39E-06	-1.80E-06	1.94E-06	1.10E-06	-8.34E-07	4.19E-06	2.39E-06	-1.80E-06
5396	481110.2	3851443.15	1.44E-05	8.05E-06	-6.38E-06	3.17E-06	1.80E-06	-1.37E-06	1.47E-06	8.33E-07	-6.32E-07	3.17E-06	1.80E-06	-1.37E-06
5397	481111.1	3851417.45	1.17E-05	6.53E-06	-5.19E-06	2.58E-06	1.46E-06	-1.11E-06	1.19E-06	6.76E-07	-5.15E-07	2.58E-06	1.46E-06	-1.11E-06
5398	482248.4	3852605.09	2.22E-05	1.22E-05	-9.93E-06	4.87E-06	2.74E-06	-2.13E-06	2.25E-06	1.27E-06	-9.84E-07	4.87E-06	2.74E-06	-2.13E-06
5399	482273.3	3852632.31	2.26E-05	1.25E-05	-1.01E-05	4.97E-06	2.80E-06	-2.18E-06	2.30E-06	1.29E-06	-1.01E-06	4.97E-06	2.80E-06	-2.18E-06
5400	482665.5	3853038.72	1.79E-05	9.99E-06	-7.92E-06	3.94E-06	2.24E-06	-1.70E-06	1.82E-06	1.03E-06	-7.85E-07	3.94E-06	2.24E-06	-1.70E-06
5401	483078	3853844.31	5.59E-06	4.70E-06	-8.96E-07	1.23E-06	1.05E-06	-1.77E-07	5.68E-07	4.86E-07	-8.19E-08	1.23E-06	1.05E-06	-1.77E-07
5402	483121.4	3853909.38	4.90E-06	4.27E-06	-6.32E-07	1.08E-06	9.55E-07	-1.21E-07	4.97E-07	4.41E-07	-5.59E-08	1.08E-06	9.55E-07	-1.21E-07
5403	483492.6	3853911.49	2.25E-06	1.62E-06	-6.32E-07	4.95E-07	3.63E-07	-1.32E-07	2.29E-07	1.68E-07	-6.11E-08	4.95E-07	3.63E-07	-1.32E-07
5404	483498.3	3854204.73	2.36E-06	3.91E-06	1.55E-06	5.18E-07	8.75E-07	3.57E-07	2.39E-07	4.04E-07	1.65E-07	5.18E-07	8.75E-07	3.57E-07
5405	484132.4	3854662.55	1.29E-06	6.39E-06	5.10E-06	2.83E-07	1.43E-06	1.15E-06	1.31E-07	6.61E-07	5.30E-07	2.83E-07	1.43E-06	1.15E-06
5406	484627.6	3854876.13	1.17E-06	5.65E-06	4.48E-06	2.57E-07	1.27E-06	1.01E-06	1.19E-07	5.85E-07	4.66E-07	2.57E-07	1.27E-06	1.01E-06
5407	484756.1	3854949.04	1.17E-06	5.65E-06	4.48E-06	2.58E-07	1.27E-06	1.01E-06	1.19E-07	5.85E-07	4.66E-07	2.58E-07	1.27E-06	1.01E-06
5408	486697.5	3856599.17	1.39E-06	2.29E-06	9.00E-07	3.06E-07	5.13E-07	2.07E-07	1.41E-07	2.37E-07	9.59E-08	3.06E-07	5.13E-07	2.07E-07
5409	487105.3	3856962.27	1.56E-06	2.19E-06	6.32E-07	3.43E-07	4.91E-07	1.48E-07	1.59E-07	2.27E-07	6.84E-08	3.43E-07	4.91E-07	1.48E-07
5410	487157.6	3856901.7	1.46E-06	1.73E-06	2.65E-07	3.21E-07	3.86E-07	6.54E-08	1.48E-07	1.79E-07	3.02E-08	3.21E-07	3.86E-07	6.54E-08
5411	487173.5	3856853.74	1.41E-06	1.55E-06	1.43E-07	3.09E-07	3.47E-07	3.79E-08	1.43E-07	1.60E-07	1.75E-08	3.09E-07	3.47E-07	3.79E-08
5412	487564.4	3856860.83	1.24E-06	1.04E-06	-2.02E-07	2.73E-07	2.33E-07	-3.99E-08	1.26E-07	1.08E-07	-1.85E-08	2.73E-07	2.33E-07	-3.99E-08
5413	487563.3	3856931.58	1.30E-06	1.11E-06	-1.86E-07	2.85E-07	2.49E-07	-3.61E-08	1.32E-07	1.15E-07	-1.67E-08	2.85E-07	2.49E-07	-3.61E-08
5414	487782.7	3856926.85	1.22E-06	9.42E-07	-2.73E-07	2.67E-07	2.11E-07	-5.60E-08	1.23E-07	9.75E-08	-2.59E-08	2.67E-07	2.11E-07	-5.60E-08
5415	487782.4	3856757.07	1.11E-06	8.35E-07	-2.72E-07	2.43E-07	1.87E-07	-5.63E-08	1.12E-07	8.64E-08	-2.60E-08	2.43E-07	1.87E-07	-5.63E-08
5416	487917.3	3856752.41	1.08E-06	7.79E-07	-2.97E-07	2.36E-07	1.75E-07	-6.19E-08	1.09E-07	8.06E-08	-2.86E-08	2.36E-07	1.75E-07	-6.19E-08
5417	487919.6	3856953.35	1.19E-06	8.85E-07	-3.08E-07	2.62E-07	1.98E-07	-6.39E-08	1.21E-07	9.16E-08	-2.95E-08	2.62E-07	1.98E-07	-6.39E-08
5418	487932.8	3857000.32	1.22E-06	9.07E-07	-3.08E-07	2.67E-07	2.03E-07	-6.38E-08	1.23E-07	9.39E-08	-2.95E-08	2.67E-07	2.03E-07	-6.38E-08
5419	487960.5	3857044.75	1.24E-06	9.22E-07	-3.13E-07	2.71E-07	2.06E-07	-6.50E-08	1.25E-07	9.54E-08	-3.00E-08	2.71E-07	2.06E-07	-6.50E-08
5420	488016.5	3857089.54	1.25E-06	9.20E-07	-3.26E-07	2.74E-07	2.06E-07	-6.77E-08	1.27E-07	9.52E-08	-3.13E-08	2.74E-07	2.06E-07	-6.77E-08
5421	488114.4	3857165.47	1.27E-06	9.19E-07	-3.51E-07	2.79E-07	2.06E-07	-7.32E-08	1.29E-07	9.51E-08	-3.38E-08	2.79E-07	2.06E-07	-7.32E-08
5422	488171.5	3857234.24	1.31E-06	9.37E-07	-3.72E-07	2.88E-07	2.10E-07	-7.78E-08	1.33E-07	9.69E-08	-3.60E-08	2.88E-07	2.10E-07	-7.78E-08
5423	488193.2	3857297.8	1.36E-06	9.73E-07	-3.91E-07	3.00E-07	2.18E-07	-8.18E-08	1.38E-07	1.01E-07	-3.78E-08	3.00E-07	2.18E-07	-8.18E-08
5424	488189.3	3857649.94	1.84E-06	1.39E-06	-4.50E-07	4.03E-07	3.10E-07	-9.30E-08	1.86E-07	1.43E-07	-4.30E-08	4.03E-07	3.10E-07	-9.30E-08
5425	488127.4	3857732.32	2.04E-06	1.67E-06	-3.80E-07	4.49E-07	3.73E-07	-7.64E-08	2.08E-07	1.72E-07	-3.53E-08	4.49E-07	3.73E-07	-7.64E-08
5426	488149.9	3857752.94	2.06E-06	1.67E-06	-3.96E-07	4.53E-07	3.73E-07	-8.00E-08	2.10E-07	1.73E-07	-3.70E-08	4.53E-07	3.73E-07	-8.00E-08
5427	488144.8	3857758.71	2.08E-06	1.69E-06	-3.87E-07	4.57E-07	3.79E-07	-7.78E-08	2.11E-07	1.75E-07	-3.60E-08	4.57E-07	3.79E-07	-7.78E-08
5428	488335.6	3857932.55	2.33E-06	1.75E-06	-5.81E-07	5.13E-07	3.93E-07	-1.20E-07	2.37E-07	1.81E-07	-5.55E-08	5.13E-07	3.93E-07	-1.20E-07
5429	488372.3	3857943.79	2.32E-06	1.71E-06	-6.14E-07	5.10E-07	3.82E-07	-1.28E-07	2.36E-07	1.76E-07	-5.91E-08	5.10E-07	3.82E-07	-1.28E-07
5430	488828.6	3857936.4	1.82E-06	1.13E-06	-6.92E-07	4.00E-07	2.53E-07	-1.47E-07	1.85E-07	1.17E-07	-6.81E-08	4.00E-07	2.53E-07	-1.47E-07
5431	488829.1	3857959.58	1.86E-06	1.15E-06	-7.07E-07	4.09E-07	2.58E-07	-1.51E-07	1.89E-07	1.19E-07	-6.96E-08	4.09E-07	2.58E-07	-1.51E-07
5432	488351.6	3857964.55	2.41E-06	1.81E-06	-6.01E-07	5.30E-07	4.06E-07	-1.24E-07	2.45E-07	1.87E-07	-5.75E-08	5.30E-07	4.06E-07	-1.24E-07
5433	488316.9	3857947.65	2.41E-06	1.84E-06	-5.63E-07	5.29E-07	4.13E-07	-1.16E-07	2.44E-07	1.91E-07	-5.36E-08	5.29E-07	4.13E-07	-1.16E-07
5434	488129.1	3857775.77	2.13E-06	1.78E-06	-3.57E-07	4.69E-07	3.98E-07	-7.10E-08	2.17E-07	1.84E-07	-3.28E-08	4.69E-07	3.98E-07	-7.10E-08
5435	488062.5	3857846.13	2.42E-06	2.29E-06	-1.36E-07	5.32E-07	5.12E-07	-2.03E-08	2.46E-07	2.37E-07	-9.37E-09	5.32E-07	5.12E-07	-2.03E-08
5436	488330.4	3858091.34	2.92E-06	2.37E-06	-5.48E-07	6.42E-07	5.31E-07	-1.11E-07	2.97E-07	2.46E-07	-5.11E-08	6.42E-07	5.31E-07	-1.11E-07
5437	488470.9	3858174.45	3.02E-06	2.24E-06	-7.81E-07	6.63E-07	5.01E-07	-1.62E-07	3.07E-07	2.32E-07	-7.50E-08	6.63E-07	5.01E-07	-1.62E-07
5438	488568.9	3858262.31	3.30E-06	2.35E-06	-9.51E-07	7.24E-07	5.25E-07	-1.99E-07	3.35E-07	2.43E-07	-9.20E-08	7.24E-07	5.25E-07	-1.99E-07
5439	488964.3	3858025.71	1.85E-06	1.12E-06	-7.36E-07	4.07E-07	2.50E-07	-1.57E-07	1.88E-07	1.16E-07	-7.26E-08	4.07E-07	2.50E-07	-1.57E-07
5440	489147.3	3857956.64	1.60E-06	9.44E-07	-6.58E-07	3.52E-07	2.11E-07	-1.41E-07	1.63E-07	9.77E-08	-6.50E-08	3.52E-07	2.11E-07	-1.41E-07
5441	489343.5	3857932.45	1.45E-06	8.40E-07	-6.10E-07	3.19E-07	1.88E-07	-1.30E-07	1.47E-07	8.69E-08	-6.03E-08	3.19E-07	1.88E-07	-1.30E-07
5442	489866.2	3857923.19	1.21E-06	6.78E-07	-5.29E-07	2.65E-07	1.52E-07	-1.13E-07	1.23E-07	7.01E-08	-5.24E-08	2.65E-07	1.52E-07	-1.13E-07
5443	489955.7	3857902.27	1.16E-06	6.49E-07	-5.10E-07	2.55E-07	1.45E-07	-1.09E-07	1.18E-07	6.72E-08	-5.05E-08	2.55E-07	1.45E-07	-1.09E-07
5444	490079.4	3857847.9	1.10E-06	6.15E-07	-4.86E-07	2.42E-07	1.38E-07	-1.04E-07	1.12E-07	6.36E-08	-4.81E-08	2.42E-07	1.38E-07	-1.04E-07
5445	490108.5	3857934.13	1.14E-06	6.31E-07	-5.05E-07	2.50E-07	1.41E-07	-1.08E-07	1.15E-07	6.53E-08	-5.00E-08	2.50E-07	1.41E-07	-1.08E-07
5446	489884.5	3858014.17	1.26E-06	7.06E-07	-5.59E-07	2.78E-07	1.58E-07	-1.20E-07	1.28E-07	7.30E-08	-5.54E-08	2.78E-07	1.58E-07	-1.20E-07
5447	489326.6	3858025.86	1.56E-06	9.03E-07	-6.62E-07	3.44E-07	2.02E-07	-1.42E-07	1.59E-07	9.34E-08	-6.54E-08	3.44E-07	2.02E-07	-1.42E-07
5448	489130.4	3858056.71	1.75E-06	1.03E-06	-7.19E-07	3.84E-07	2.30E-07	-1.54E-07	1.77E-07	1.06E-07	-7.10E-08	3.84E-07	2.30E-07	-1.54E-07
5449	488936.5	3858143.93	2.12E-06	1.29E-06	-8.36E-07	4.66E-07	2.88E-07	-1.78E-07	2.15E-07	1.33E-07	-8.24E-08	4.66E-07	2.88E-07	-1.78E-07
5450	488638.1	3858327.45	3.47E-06	2.40E-06	-1.07E-06	7.62E-07	5.37E-07	-2.26E-07	3.52E-07	2.48E-07	-1.04E-07	7.62E-07	5.37E-07	-2.26E-07
5451	488663.8	3858349.57	3.52E-06	2.40E-06	-1.12E-06	7.74E-07	5.38E-07	-2.36E-07	3.58E-07	2.49E-07	-1.09E-07	7.74E-07	5.38E-07	-2.36E-07
5452	488694.6	3858349.5	3.41E-06	2.28E-06	-1.13E-06	7.49E-07	5.11E-07	-2.39E-07	3.46E-07	2.36E-07	-1.10E-07	7.49E-07	5.11E-07	-2.39E-07
5453	488694.4	3858336.75	3.33E-06	2.22E-06	-1.11E-06	7.32E-07	4.98E-07	-2.35E-07	3.38E-07	2.30E-07	-1.08E-07	7.32E-07	4.98E-07	-2.35E-07
5454	488712.8	3858336.38	3.27E-06	2.16E-06	-1.11E-06	7.19E-07	4.83E-07	-2.36E-07	3.32E-07	2.23E-07	-1.09E-07	7.19E-07	4.83E-07	-2.36E-07
5455	488713.2	3858367.46	3.46E-06	2.30E-06	-1.16E-06	7.60E-07	5.14E-07	-2.46E-07	3.51E-07	2.38E-07	-1.14E-07	7.60E-07	5.14E-07	-2.46E-07
5456	488704.6	3858384.05	3.61E-06	2.42E-06	-1.19E-06	7.93E-07	5.41E-07	-2.52E-07	3.66E-07	2.50E-07	-1.16E-07	7.93E-07	5.41E-07	-2.52E-07
5457	488604.2	3858488.29	5.32E-06	4.21E-06	-1.10E-06	1.17E-06	9.44E-07	-2.25E-07	5.40E-07	4.36E-07	-1.04E-07	1.17E-06	9.44E-07	-2.25E-07
5458	488605.7	3858550.47	6.55E-06	5.66E-06	-8.87E-07	1.44E-06	1.27E-06	-1.71E-07	6.65E-07	5.86E-07	-7.91E-08	1.44E-06	1.27E-06	-1.71E-07

5459	488692.7	3858548.71	5.53E-06	4.02E-06	-1.51E-06	1.21E-06	8.99E-07	-3.15E-07	5.61E-07	4.16E-07	-1.46E-07	1.21E-06	8.99E-07	-3.15E-07
5460	488759.9	3858461.81	3.98E-06	2.62E-06	-1.37E-06	8.75E-07	5.86E-07	-2.89E-07	4.04E-07	2.71E-07	-1.34E-07	8.75E-07	5.86E-07	-2.89E-07
5461	488816.6	3858541.79	4.47E-06	2.87E-06	-1.60E-06	9.83E-07	6.44E-07	-3.39E-07	4.54E-07	2.97E-07	-1.57E-07	9.83E-07	6.44E-07	-3.39E-07
5462	488944.6	3858656.77	5.04E-06	3.05E-06	-1.98E-06	1.11E-06	6.84E-07	-4.23E-07	5.11E-07	3.16E-07	-1.95E-07	1.11E-06	6.84E-07	-4.23E-07
5463	489134.9	3858830.7	6.28E-06	3.67E-06	-2.60E-06	1.38E-06	8.22E-07	-5.57E-07	6.37E-07	3.80E-07	-2.57E-07	1.38E-06	8.22E-07	-5.57E-07
5464	489194	3858886.05	6.84E-06	3.96E-06	-2.88E-06	1.50E-06	8.86E-07	-6.17E-07	6.95E-07	4.09E-07	-2.85E-07	1.50E-06	8.86E-07	-6.17E-07
5465	489295.2	3858954.34	7.21E-06	4.07E-06	-3.14E-06	1.58E-06	9.11E-07	-6.73E-07	7.32E-07	4.21E-07	-3.11E-07	1.58E-06	9.11E-07	-6.73E-07
5466	489295.6	3858992.74	8.58E-06	4.84E-06	-3.73E-06	1.88E-06	1.08E-06	-8.00E-07	8.71E-07	5.01E-07	-3.70E-07	1.88E-06	1.08E-06	-8.00E-07
5467	489183.7	3858911.72	7.80E-06	4.55E-06	-3.25E-06	1.71E-06	1.02E-06	-6.96E-07	7.92E-07	4.70E-07	-3.22E-07	1.71E-06	1.02E-06	-6.96E-07
5468	488873.4	3858625.59	5.15E-06	3.23E-06	-1.92E-06	1.13E-06	7.24E-07	-4.08E-07	5.23E-07	3.35E-07	-1.89E-07	1.13E-06	7.24E-07	-4.08E-07
5469	488842.8	3858658.69	6.05E-06	3.91E-06	-2.13E-06	1.33E-06	8.76E-07	-4.52E-07	6.14E-07	4.05E-07	-2.09E-07	1.33E-06	8.76E-07	-4.52E-07
5470	488856.4	3858670.93	6.14E-06	3.94E-06	-2.20E-06	1.35E-06	8.83E-07	-4.66E-07	6.23E-07	4.08E-07	-2.15E-07	1.35E-06	8.83E-07	-4.66E-07
5471	488805.7	3858724.5	8.63E-06	6.10E-06	-2.53E-06	1.90E-06	1.37E-06	-5.30E-07	8.76E-07	6.31E-07	-2.45E-07	1.90E-06	1.37E-06	-5.30E-07
5472	488805.9	3858804.16	1.43E-05	1.23E-05	-1.98E-06	3.14E-06	2.76E-06	-3.83E-07	1.45E-06	1.27E-06	-1.77E-07	3.14E-06	2.76E-06	-3.83E-07
5473	488995.8	3858936.96	1.85E-05	1.34E-05	-5.10E-06	4.06E-06	2.99E-06	-1.06E-06	1.87E-06	1.38E-06	-4.92E-07	4.06E-06	2.99E-06	-1.06E-06
5474	489130.8	3859017.38	1.97E-05	1.23E-05	-7.34E-06	4.32E-06	2.76E-06	-1.56E-06	2.00E-06	1.28E-06	-7.22E-07	4.32E-06	2.76E-06	-1.56E-06
5475	489130.9	3859052.24	3.03E-05	1.92E-05	-1.11E-05	6.66E-06	4.31E-06	-2.36E-06	3.08E-06	1.99E-06	-1.09E-06	6.66E-06	4.31E-06	-2.36E-06
5476	489200.3	3859090.6	3.03E-05	1.82E-05	-1.21E-05	6.65E-06	4.08E-06	-2.57E-06	3.07E-06	1.89E-06	-1.19E-06	6.65E-06	4.08E-06	-2.57E-06
5477	489296.1	3859143.7	3.02E-05	1.79E-05	-1.23E-05	6.63E-06	4.01E-06	-2.63E-06	3.07E-06	1.85E-06	-1.21E-06	6.63E-06	4.01E-06	-2.63E-06
5478	489296.4	3858954.74	7.20E-06	4.06E-06	-3.14E-06	1.58E-06	9.09E-07	-6.73E-07	7.31E-07	4.20E-07	-3.11E-07	1.58E-06	9.09E-07	-6.73E-07
5479	489410.3	3859033.19	7.71E-06	4.28E-06	-3.43E-06	1.69E-06	9.58E-07	-7.36E-07	7.83E-07	4.43E-07	-3.40E-07	1.69E-06	9.58E-07	-7.36E-07
5480	489371.4	3859089.8	1.18E-05	6.67E-06	-5.16E-06	2.60E-06	1.49E-06	-1.10E-06	1.20E-06	6.90E-07	-5.11E-07	2.60E-06	1.49E-06	-1.10E-06
5481	489390.5	3859102.82	1.20E-05	6.78E-06	-5.25E-06	2.64E-06	1.52E-06	-1.12E-06	1.22E-06	7.01E-07	-5.20E-07	2.64E-06	1.52E-06	-1.12E-06
5482	489382.3	3859114.53	1.35E-05	7.67E-06	-5.87E-06	2.97E-06	1.72E-06	-1.26E-06	1.37E-06	7.94E-07	-5.81E-07	2.97E-06	1.72E-06	-1.26E-06
5483	489363	3859102.45	1.34E-05	7.59E-06	-5.79E-06	2.94E-06	1.70E-06	-1.24E-06	1.36E-06	7.85E-07	-5.73E-07	2.94E-06	1.70E-06	-1.24E-06
5484	489337.5	3859140.71	2.18E-05	1.27E-05	-9.15E-06	4.79E-06	2.84E-06	-1.96E-06	2.21E-06	1.31E-06	-9.04E-07	4.79E-06	2.84E-06	-1.96E-06
5485	489375.1	3859164.55	2.27E-05	1.31E-05	-9.58E-06	4.98E-06	2.93E-06	-2.05E-06	2.30E-06	1.36E-06	-9.47E-07	4.98E-06	2.93E-06	-2.05E-06
5486	489409.3	3859114.5	1.21E-05	6.84E-06	-5.30E-06	2.67E-06	1.53E-06	-1.14E-06	1.23E-06	7.07E-07	-5.25E-07	2.67E-06	1.53E-06	-1.14E-06
5487	489434.9	3859131.81	1.24E-05	6.98E-06	-5.43E-06	2.73E-06	1.56E-06	-1.16E-06	1.26E-06	7.23E-07	-5.38E-07	2.73E-06	1.56E-06	-1.16E-06
5488	489471.9	3859075.75	8.01E-06	4.44E-06	-3.57E-06	1.76E-06	9.94E-07	-7.67E-07	8.13E-07	4.59E-07	-3.54E-07	1.76E-06	9.94E-07	-7.67E-07
5489	489602.6	3859164.69	8.70E-06	4.80E-06	-3.89E-06	1.91E-06	1.08E-06	-8.35E-07	8.83E-07	4.97E-07	-3.86E-07	1.91E-06	1.08E-06	-8.35E-07
5490	489558.3	3859232.45	1.61E-05	9.01E-06	-7.12E-06	3.55E-06	2.02E-06	-1.53E-06	1.64E-06	9.33E-07	-7.06E-07	3.55E-06	2.02E-06	-1.53E-06
5491	489620.1	3859273.56	1.73E-05	9.63E-06	-7.63E-06	3.79E-06	2.16E-06	-1.64E-06	1.75E-06	9.96E-07	-7.56E-07	3.79E-06	2.16E-06	-1.64E-06
5492	489666.1	3859206.42	9.02E-06	4.98E-06	-4.04E-06	1.98E-06	1.11E-06	-8.67E-07	9.16E-07	5.15E-07	-4.01E-07	1.98E-06	1.11E-06	-8.67E-07
5493	489787.9	3859285.65	9.65E-06	5.33E-06	-4.31E-06	2.12E-06	1.19E-06	-9.25E-07	9.80E-07	5.52E-07	-4.28E-07	2.12E-06	1.19E-06	-9.25E-07
5494	489752.2	3859343.13	1.68E-05	9.37E-06	-7.41E-06	3.69E-06	2.10E-06	-1.59E-06	1.70E-06	9.69E-07	-7.34E-07	3.69E-06	2.10E-06	-1.59E-06
5495	489814.9	3859385.33	1.81E-05	1.01E-05	-7.97E-06	3.97E-06	2.26E-06	-1.71E-06	1.83E-06	1.04E-06	-7.90E-07	3.97E-06	2.26E-06	-1.71E-06
5496	489853.4	3859330.74	1.02E-05	5.63E-06	-4.54E-06	2.24E-06	1.26E-06	-9.74E-07	1.03E-06	5.83E-07	-4.50E-07	2.24E-06	1.26E-06	-9.74E-07
5497	489969.5	3859401.91	1.07E-05	5.92E-06	-4.76E-06	2.34E-06	1.32E-06	-1.02E-06	1.08E-06	6.12E-07	-4.71E-07	2.34E-06	1.32E-06	-1.02E-06
5498	490166.9	3859486.96	9.75E-06	5.39E-06	-4.36E-06	2.14E-06	1.21E-06	-9.36E-07	9.90E-07	5.57E-07	-4.33E-07	2.14E-06	1.21E-06	-9.36E-07
5499	490128.9	3859571.46	2.44E-05	1.34E-05	-1.10E-05	5.36E-06	3.01E-06	-2.35E-06	2.48E-06	1.39E-06	-1.09E-06	5.36E-06	3.01E-06	-2.35E-06
5500	490186.7	3859593.65	2.46E-05	1.36E-05	-1.10E-05	5.40E-06	3.04E-06	-2.36E-06	2.50E-06	1.41E-06	-1.09E-06	5.40E-06	3.04E-06	-2.36E-06
5501	490223.7	3859517.48	1.01E-05	5.60E-06	-4.55E-06	2.23E-06	1.25E-06	-9.75E-07	1.03E-06	5.79E-07	-4.51E-07	2.23E-06	1.25E-06	-9.75E-07
5502	490846.3	3859817.22	1.48E-05	8.35E-06	-6.40E-06	3.24E-06	1.87E-06	-1.37E-06	1.50E-06	8.65E-07	-6.34E-07	3.24E-06	1.87E-06	-1.37E-06
5503	490925.7	3859844.59	1.36E-05	7.72E-06	-5.92E-06	3.00E-06	1.73E-06	-1.27E-06	1.38E-06	7.99E-07	-5.86E-07	3.00E-06	1.73E-06	-1.27E-06
5504	491159.3	3859896.28	9.57E-06	5.28E-06	-4.29E-06	2.10E-06	1.18E-06	-9.20E-07	9.71E-07	5.46E-07	-4.25E-07	2.10E-06	1.18E-06	-9.20E-07
5505	491370.7	3859960.89	7.31E-06	4.02E-06	-3.29E-06	1.61E-06	8.99E-07	-7.06E-07	7.42E-07	4.16E-07	-3.26E-07	1.61E-06	8.99E-07	-7.06E-07
5506	491330.3	3860063.17	1.36E-05	7.43E-06	-6.20E-06	2.99E-06	1.66E-06	-1.33E-06	1.38E-06	7.69E-07	-6.15E-07	2.99E-06	1.66E-06	-1.33E-06
5507	491636.5	3860180.75	7.31E-06	4.08E-06	-3.24E-06	1.61E-06	9.13E-07	-6.95E-07	7.43E-07	4.22E-07	-3.21E-07	1.61E-06	9.13E-07	-6.95E-07
5508	491617.9	3860203.93	8.45E-06	4.72E-06	-3.73E-06	1.86E-06	1.06E-06	-7.99E-07	8.58E-07	4.88E-07	-3.69E-07	1.86E-06	1.06E-06	-7.99E-07
5509	491805.7	3860271.59	6.33E-06	3.55E-06	-2.78E-06	1.39E-06	7.94E-07	-5.96E-07	6.42E-07	3.67E-07	-2.76E-07	1.39E-06	7.94E-07	-5.96E-07
5510	491654.2	3860414.02	3.27E-05	1.88E-05	-1.38E-05	7.18E-06	4.22E-06	-2.96E-06	3.32E-06	1.95E-06	-1.37E-06	7.18E-06	4.22E-06	-2.96E-06
5511	491592.6	3860510.76	6.32E-06	3.38E-06	-2.93E-06	1.39E-06	7.57E-07	-6.31E-07	6.41E-07	3.50E-07	-2.91E-07	1.39E-06	7.57E-07	-6.31E-07
5512	491475.4	3860368.93	1.06E-05	5.66E-06	-4.96E-06	2.34E-06	1.27E-06	-1.07E-06	1.08E-06	5.86E-07	-4.93E-07	2.34E-06	1.27E-06	-1.07E-06
5513	491445.6	3860337.28	1.18E-05	6.34E-06	-5.48E-06	2.60E-06	1.42E-06	-1.18E-06	1.20E-06	6.56E-07	-5.44E-07	2.60E-06	1.42E-06	-1.18E-06
5514	491399.1	3860300.37	1.20E-05	6.53E-06	-5.50E-06	2.64E-06	1.46E-06	-1.18E-06	1.22E-06	6.75E-07	-5.46E-07	2.64E-06	1.46E-06	-1.18E-06
5515	491228.8	3860235.98	5.91E-06	3.28E-06	-2.63E-06	1.30E-06	7.34E-07	-5.65E-07	6.00E-07	3.39E-07	-2.61E-07	1.30E-06	7.34E-07	-5.65E-07
5516	491228.5	3860174.57	1.13E-05	6.34E-06	-4.92E-06	2.47E-06	1.42E-06	-1.05E-06	1.14E-06	6.56E-07	-4.87E-07	2.47E-06	1.42E-06	-1.05E-06
5517	491145.8	3860112.55	1.12E-05	6.34E-06	-4.84E-06	2.46E-06	1.42E-06	-1.04E-06	1.14E-06	6.56E-07	-4.80E-07	2.46E-06	1.42E-06	-1.04E-06
5518	490844.4	3859966.22	1.04E-05	5.56E-06	-4.86E-06	2.29E-06	1.24E-06	-1.04E-06	1.06E-06	5.75E-07	-4.83E-07	2.29E-06	1.24E-06	-1.04E-06
5519	490845.6	3859928.15	2.30E-05	1.20E-05	-1.11E-05	5.06E-06	2.68E-06	-2.38E-06	2.34E-06	1.24E-06	-1.10E-06	5.06E-06	2.68E-06	-2.38E-06
5520	490046.9	3859625.6	1.54E-05	8.50E-06	-6.87E-06	3.38E-06	1.90E-06	-1.47E-06	1.56E-06	8.80E-07	-6.81E-07	3.38E-06	1.90E-06	-1.47E-06
5521	489970.5	3859589.4	1.61E-05	8.77E-06	-7.33E-06	3.54E-06	1.96E-06	-1.57E-06	1.64E-06	9.08E-07	-7.28E-07	3.54E-06	1.96E-06	-1.57E-06
5522	489865.9	3859529.06	1.76E-05	9.51E-06	-8.09E-06	3.87E-06	2.13E-06	-1.74E-06	1.79E-06	9.84E-07	-8.03E-07	3.87E-06	2.13E-06	-1.74E-06
5523	489826.9	3859531.74	1.14E-05	6.15E-06	-5.20E-06	2.49E-06	1.38E-06	-1.12E-06	1.15E-06	6.37E-07	-5.16E-07	2.49E-06	1.38E-06	-1.12E-06
5524	489410.5	3859303.06	1.12E-05	5.94E-06	-5.30E-06	2.47E-06	1.33E-06	-1.14E-06	1.14E-06	6.14E-07	-5.27E-07	2.47E-06	1.33E-06	-1.14E-06
5525	489407.2	3859286.09	1.45E-05	7.62E-06	-6.93E-06	3.20E-06	1.71E-06	-1.49E-06	1.48E-06	7.88E-07	-6.89E-07	3.20E-06	1.71E-06	-1.49E-06
5526	488806.1	3858963.62	1.25E-05	5.03E-06	-7.44E-06	2.74E-06	1.13E-06	-1.61E-06	1.27E-06	5.21E-07	-7.46E-07	2.74E-06	1.13E-06	-1.61E-06
5527	488817.6	3859546.3	1.09E-06	5.79E-07	-5.13E-07	2.40E-07	1.30E-07	-1.10E-07	1.11E-07	5.99E-08	-5.10E-08	2.40E-07	1.30E-07	-1.10E-07
5528	489187.3	3859549.52	1.55E-06	8.31E-07	-7.16E-07	3.40E-07	1.86E-07	-1.54E-07	1.57E-07	8.60E-08	-7.11E-08	3.40E-07	1.86E-07	-1.54E-07
5529	489187.7	3859523.74	1.64E-06	8.82E-07	-7.61E-07	3.61E-07	1.97E-07	-1.63E-07	1.67E-07	9.13E-08	-7.55E-08	3.61E-07	1.97E-07	-1.63E-07
5530	489232.6	3859522.85	1.75E-06	9.41E-07	-8.10E-07	3.85E-07	2.11E-07	-1.74E-07	1.78E-07	9.74E-08	-8.04E-08	3.85E-07	2.11E-07	-1.74E-07
5531	489225	3859759.91	1.10E-06	5.94E-07	-5.06E-07	2.42E-07	1.33E-07	-1.09E-07	1.12E-07	6.15E-08	-5.02E-08	2.42E-07	1.33E-07	-1.09E-07
5532	488401.4	3859763.34	6.81E-07	3.61E-07	-3.20E-07	1.50E-07	8.07E-08	-6.89E-08	6.91E-08	3.73E-08	-3.18E-08	1.50E-07	8.07E-08	-6.89E-08
5533	488405.5	3859966.16	6.00E-07	3.20E-07	-2.80E-07	1.32E-07	7.17E-08	-6.01E-08	6.09E-08	3.31E-08	-2.78E-08	1.32E-07	7.17E-08	-6.01E-08
5534	489202.9	3859956.57	8.52E-07	4.60E-07	-3.91E-07	1.87E-07	1.03E-07	-8.40E-08	8.65E-08	4.77E-08	-3.88E-08	1.87E-07	1.03E-07	-8.40E-08
5535	489191.9	3860676.74	4.97E-07	2.70E-07	-2.27E-07	1.09E-07	6.04E-08	-4.86E-08	5.04E-08	2.79E-08	-2.25E-08	1.09E-07	6.04E-08	-4.86E-08
5536	488392.8	3860687.88	4.12E-07	2.21E-07	-1.91E-07	9.05E-08	4.96E-08	-4.10E-08	4.18E-08	2.29E-08	-1.89E-08	9.05E-08	4.96E-08	-4.10E-08
5537	488392.8	3860760.27	4.00E-07	2.15E-07	-1.85E-07	8.79E-08	4.82E-08	-3.98E-08	4.06E-08	2.23E-08	-1.84E-08	8.79E-08	4.82E-08	-3.98E-08
5538	487549.1	3860777.45	3.40E-07	1.81E-07	-1.59E-07	7.47E-08	4.06E-08	-3.41E-08	3.45E-08	1.88E-08	-1.58E-08	7.47E-08	4.06E-08	-3.41E-08
5539	487554.6	3859571.83	5.73E-07	2.96E-07	-2.77E-07	1.26E-07	6.62E-08	-5.97E-08	5.82E-08	3.06E-08	-2.76E-08	1.26E-07	6.62E-08	-5.97E-08
5540	485949.5	3859558.54	3.94E-07	2.03E-07	-1.91E-07	8.66E-08	4.54E-08	-4.11E-08	4.00E-08	2.10E-08	-1.90E-08	8.66E-08	4.54E-08	-4.11E-08
5541	485947.6	3857943.61	1.03E-06	4.32E-07	-6.00E-07	2.27E-07	9.68E-08	-1.30E-07	1.05E-07	4.48E-08	-6.01E-08	2.27E-07	9.68E-08	-1.30E-07
5542	484738.4	3857940.21	5.31E-07	2.50E-07	-2.81E-07	1.17E-07	5.59E-08	-6.07E-08	5.39E-08	2.59E-08	-2.80E-08	1.17E-07	5.59E-08	-6.07E-08
5543	484737.1	3857535.68	6.65E-07	2.98E-07	-3.67E-07	1.46E-07	6.67E-08	-7.93E-08	6.75E-08	3.08E-08	-3.67E-08	1.46E-07	6.67E-08	-7.93E-08
5544	483730.2	3857530.13	4.54E-07	2.18E-07	-2.37E-07	9.98E-08	4.87E-08	-5.11E-08	4.61E-08	2.25E-08	-2.36E-08	9.98E-08	4.87E-08	-5.11E-08
5545	483727.3	3857130.01	5.31E-07	2.47E-07	-2.84E-07	1.17E-07	5.53E-08	-6.13E-08	5.39E-08	2.55E-08	-2.83E-08	1.17E-07	5.53E-08	-6.13E-08
5546	483124.4	3857123.45	4.42E-07	2.12E-07	-2.29E-07	9.70E-08	4.76E-08	-4.95E-08	4.48E-08	2.20E-08	-2.29E-08	9.70E-08	4.76E-08	-4.95E-08
5547	483111.1	3855921.03	7.53E-07	3.27E-07	-4.26E-07	1.65E-07	7.32E-08	-9.22E-08	7.65E-08	3.38E-08	-4.26E-08	1.65E-07	7.32E-08	-9.22E-08
5548	482701.7	3855918.24	6.04E-07	2.76E-07	-3.28E-07	1.33E-07	6.19E-08	-7.09E-08	6.14E-08	2.86E-08	-3.28E-08	1.33E-07	6.19E-08	-7.09E-08
5549	482668	3853521.78	5.09E-06	2.63E-06	-2.46E-06	1.12E-06	5.88E-07	-5.29E-07	5.17E-07	2.72E-07	-2.45E-07	1.12E-06	5.88E-07	-5.29E-07
5550	482579.9	3853219.19	6.13E-06	3.39E-06	-2.74E-06	1.35E-06	7.59E-07	-5.88E-07	6.23E-07	3.51E-07	-2.72E-07	1.35E-06	7.59E-07	-5.88E-07
5551	482434.1	3852961.94	8.65E-06	4.81E-06	-3.83E-06	1.90E-06	1.08E-06	-8.22E-07	8.78E-07	4.98E-07	-3.80E-07	1.90E-06	1.08E-06	-8.22E-07
5552	482332.1	3852832.85	1.12E-05	6.25E-06	-4.97E-06	2.47E-06	1.40E-06	-1.07E-06	1.14E-06	6.47E-07	-4.93E-07	2.47E-06	1.40E-06	-1.07E-06
5553	481335	3851818.96	9.26E-06	5.15E-06	-4.11E-06	2.03E-06	1.15E-06	-8.82E-07	9.40E-07	5.33E-07	-4.07E-07	2.03E-06	1.15E-06	-8.82E-07
5554	481127.6	3851646.36	7.97E-06	4.40E-06	-3.57E-06	1.75E-06	9.85E-07	-7.65E-07	8.09E-07	4.55E-07	-3.54E-07	1.75E-06	9.85E-07	-7.65E-07
5555	481025	3851591.73	7.28E-06	4.00E-06	-3.27E-06	1.60E-06	8.96E-07	-7.02E-07	7.39E-07	4.14E-07	-3.25E-07	1.60E-06	8.96E-07	-7.02E-07
5556	480513.6	3851335.76	7.45E-06	4.14E-06	-3.30E-06	1.64E-06	9.28E-07	-7.09E-07	7.56E-07	4.29E-07	-3.27E-07	1.64E-06	9.28E-07	-7.09E-07
5557	480523.6	3851317.66	1.01E-05	5.61E-06	-4.46E-06	2.21E-06	1.26E-06	-9.57E-07	1.02E-06	5.81E-07	-4.42E-07	2.21E-06	1.26E-06	-9.57E-07
5558	476921.6	3849569.11	8.87E-06	4.91E-06	-3.97E-06	1.95E-06	1.10E-06	-8.51E-07	9.01E-07	5.08E-07	-3.93E-07	1.95E-06	1.10E-06	-8.51E-07
5559	476521.2	3849373.96	1.07E-05	5.89E-06	-4.79E-06	2.35E-06	1.32E-06	-1.03E-06	1.08E-06	6.10E-07	-4.75E-07	2.35E-06	1.32E-06	-1.03E-06
5560	476391.5	3849333.38	1.14E-05	6.31E-06	-5.11E-06	2.51E-06	1.41E-06	-1.10E-06	1.16E-06	6.53E-07	-5.06E-07	2.51E-06	1.41E-06	-1.10E-06
5561	476219.4	3849304.29	9.95E-06	5.51E-06	-4.44E-06	2.19E-06	1.23E-06	-9.52E-07	1.01E-06	5.71E-07	-4.40E-07	2.19E-06	1.23E-06	-9.52E-07
5562	475679.1	3849218.47	8.08E-06	4.46E-06	-3.62E-06	1.78E-06	1.00E-06	-7.76E-07	8.21E-07	4.62E-07	-3.59E-07	1.78E-06	1.00E-06	-7.76E-07
5563	475677.7	3849233.88	6.47E-06	3.58E-06	-2.90E-06	1.42E-06	8.01E-07	-6.21E-07	6.57E-07	3.70E-07	-2.87E-07	1.42E-06	8.01E-07	-6.21E-07

5564	475492.7	3849204.66	4.51E-06	2.50E-06	-2.02E-06	9.92E-07	5.59E-07	-4.32E-07	4.58E-07	2.59E-07	-2.00E-07	9.92E-07	5.59E-07	-4.32E-07
5565	475497.6	3849158.75	1.06E-05	5.88E-06	-4.75E-06	2.33E-06	1.32E-06	-1.02E-06	1.08E-06	6.08E-07	-4.71E-07	2.33E-06	1.32E-06	-1.02E-06
5566	475391.4	3849141.94	8.11E-06	4.48E-06	-3.63E-06	1.78E-06	1.00E-06	-7.78E-07	8.23E-07	4.64E-07	-3.59E-07	1.78E-06	1.00E-06	-7.78E-07
5567	475277	3849095.47	7.83E-06	4.33E-06	-3.50E-06	1.72E-06	9.69E-07	-7.51E-07	7.95E-07	4.48E-07	-3.47E-07	1.72E-06	9.69E-07	-7.51E-07
5568	475183.9	3849025.66	1.02E-05	5.65E-06	-4.55E-06	2.24E-06	1.27E-06	-9.77E-07	1.04E-06	5.85E-07	-4.51E-07	2.24E-06	1.27E-06	-9.77E-07
5569	474453.2	3848378.77	1.46E-05	8.07E-06	-6.51E-06	3.20E-06	1.81E-06	-1.40E-06	1.48E-06	8.35E-07	-6.45E-07	3.20E-06	1.81E-06	-1.40E-06
5570	474569.6	3848399.34	3.14E-05	1.74E-05	-1.40E-05	6.89E-06	3.89E-06	-3.00E-06	3.19E-06	1.80E-06	-1.39E-06	6.89E-06	3.89E-06	-3.00E-06
5571	474644.3	3848464.52	3.18E-05	1.76E-05	-1.42E-05	6.99E-06	3.95E-06	-3.05E-06	3.23E-06	1.82E-06	-1.41E-06	6.99E-06	3.95E-06	-3.05E-06
5572	474719	3848529.7	3.25E-05	1.80E-05	-1.45E-05	7.13E-06	4.03E-06	-3.11E-06	3.30E-06	1.86E-06	-1.44E-06	7.13E-06	4.03E-06	-3.11E-06
5573	474793.7	3848594.88	3.31E-05	1.83E-05	-1.48E-05	7.26E-06	4.10E-06	-3.16E-06	3.36E-06	1.89E-06	-1.46E-06	7.26E-06	4.10E-06	-3.16E-06
5574	474868.5	3848660.07	3.32E-05	1.84E-05	-1.48E-05	7.30E-06	4.12E-06	-3.18E-06	3.37E-06	1.90E-06	-1.47E-06	7.30E-06	4.12E-06	-3.18E-06
5575	474943.2	3848725.25	3.38E-05	1.87E-05	-1.51E-05	7.43E-06	4.19E-06	-3.24E-06	3.44E-06	1.94E-06	-1.50E-06	7.43E-06	4.19E-06	-3.24E-06
5576	475017.9	3848790.43	3.50E-05	1.93E-05	-1.56E-05	7.68E-06	4.33E-06	-3.35E-06	3.55E-06	2.00E-06	-1.55E-06	7.68E-06	4.33E-06	-3.35E-06
5577	475092.6	3848855.61	3.57E-05	1.98E-05	-1.59E-05	7.84E-06	4.42E-06	-3.42E-06	3.63E-06	2.04E-06	-1.58E-06	7.84E-06	4.42E-06	-3.42E-06
5578	475232.6	3848959.38	3.01E-05	1.67E-05	-1.34E-05	6.61E-06	3.73E-06	-2.88E-06	3.06E-06	1.72E-06	-1.33E-06	6.61E-06	3.73E-06	-2.88E-06
5579	475368.5	3849029.98	3.12E-05	1.73E-05	-1.39E-05	6.85E-06	3.88E-06	-2.97E-06	3.17E-06	1.79E-06	-1.37E-06	6.85E-06	3.88E-06	-2.97E-06
5580	475609.6	3849096.09	2.60E-05	1.44E-05	-1.16E-05	5.70E-06	3.22E-06	-2.48E-06	2.64E-06	1.49E-06	-1.15E-06	5.70E-06	3.22E-06	-2.48E-06
5581	475680.7	3849116.62	2.98E-05	1.66E-05	-1.32E-05	6.55E-06	3.71E-06	-2.83E-06	3.03E-06	1.72E-06	-1.31E-06	6.55E-06	3.71E-06	-2.83E-06
5582	475843.8	3849151.52	3.68E-05	2.05E-05	-1.64E-05	8.09E-06	4.58E-06	-3.51E-06	3.74E-06	2.12E-06	-1.62E-06	8.09E-06	4.58E-06	-3.51E-06
5583	475935.7	3849165.89	3.39E-05	1.88E-05	-1.51E-05	7.44E-06	4.21E-06	-3.24E-06	3.44E-06	1.94E-06	-1.50E-06	7.44E-06	4.21E-06	-3.24E-06
5584	476027.7	3849180.26	3.39E-05	1.88E-05	-1.51E-05	7.44E-06	4.20E-06	-3.24E-06	3.44E-06	1.94E-06	-1.50E-06	7.44E-06	4.20E-06	-3.24E-06
5585	476119.7	3849194.64	3.54E-05	1.96E-05	-1.58E-05	7.78E-06	4.39E-06	-3.39E-06	3.60E-06	2.03E-06	-1.57E-06	7.78E-06	4.39E-06	-3.39E-06
5586	476211.7	3849209.01	3.50E-05	1.94E-05	-1.57E-05	7.70E-06	4.34E-06	-3.36E-06	3.56E-06	2.00E-06	-1.55E-06	7.70E-06	4.34E-06	-3.36E-06
5587	476497.8	3849283.9	4.55E-05	2.54E-05	-2.01E-05	9.99E-06	5.68E-06	-4.31E-06	4.62E-06	2.63E-06	-1.99E-06	9.99E-06	5.68E-06	-4.31E-06
5588	476603.7	3849323.77	4.53E-05	2.53E-05	-2.00E-05	9.95E-06	5.66E-06	-4.30E-06	4.60E-06	2.61E-06	-1.99E-06	9.95E-06	5.66E-06	-4.30E-06
5589	476729	3849382.76	4.18E-05	2.33E-05	-1.85E-05	9.18E-06	5.21E-06	-3.98E-06	4.24E-06	2.41E-06	-1.84E-06	9.18E-06	5.21E-06	-3.98E-06
5590	476801.3	3849418.65	4.18E-05	2.32E-05	-1.86E-05	9.18E-06	5.20E-06	-3.98E-06	4.24E-06	2.40E-06	-1.84E-06	9.18E-06	5.20E-06	-3.98E-06
5591	476956.2	3849495.05	4.18E-05	2.32E-05	-1.86E-05	9.18E-06	5.19E-06	-3.99E-06	4.24E-06	2.40E-06	-1.85E-06	9.18E-06	5.19E-06	-3.99E-06
5592	477038.8	3849535.56	4.24E-05	2.35E-05	-1.89E-05	9.31E-06	5.25E-06	-4.06E-06	4.30E-06	2.43E-06	-1.87E-06	9.31E-06	5.25E-06	-4.06E-06
5593	477121.5	3849576.08	4.22E-05	2.33E-05	-1.89E-05	9.27E-06	5.22E-06	-4.05E-06	4.28E-06	2.41E-06	-1.87E-06	9.27E-06	5.22E-06	-4.05E-06
5594	477204.1	3849616.6	4.24E-05	2.34E-05	-1.90E-05	9.33E-06	5.25E-06	-4.08E-06	4.31E-06	2.42E-06	-1.89E-06	9.33E-06	5.25E-06	-4.08E-06
5595	477286.8	3849657.12	3.99E-05	2.20E-05	-1.79E-05	8.77E-06	4.92E-06	-3.85E-06	4.05E-06	2.28E-06	-1.78E-06	8.77E-06	4.92E-06	-3.85E-06
5596	477369.4	3849697.63	4.24E-05	2.34E-05	-1.91E-05	9.32E-06	5.23E-06	-4.09E-06	4.31E-06	2.42E-06	-1.89E-06	9.32E-06	5.23E-06	-4.09E-06
5597	477452.1	3849738.15	4.24E-05	2.33E-05	-1.91E-05	9.33E-06	5.22E-06	-4.10E-06	4.31E-06	2.41E-06	-1.90E-06	9.33E-06	5.22E-06	-4.10E-06
5598	477534.7	3849778.67	4.37E-05	2.40E-05	-1.97E-05	9.60E-06	5.38E-06	-4.23E-06	4.44E-06	2.49E-06	-1.95E-06	9.60E-06	5.38E-06	-4.23E-06
5599	477617.4	3849819.18	4.36E-05	2.39E-05	-1.97E-05	9.57E-06	5.35E-06	-4.22E-06	4.42E-06	2.47E-06	-1.95E-06	9.57E-06	5.35E-06	-4.22E-06
5600	477824.7	3849896.37	2.86E-05	1.57E-05	-1.29E-05	6.29E-06	3.52E-06	-2.77E-06	2.91E-06	1.63E-06	-1.28E-06	6.29E-06	3.52E-06	-2.77E-06
5601	477906.3	3849936.37	2.95E-05	1.61E-05	-1.33E-05	6.48E-06	3.62E-06	-2.86E-06	2.99E-06	1.67E-06	-1.32E-06	6.48E-06	3.62E-06	-2.86E-06
5602	477987.9	3849976.36	2.95E-05	1.62E-05	-1.33E-05	6.49E-06	3.62E-06	-2.86E-06	3.00E-06	1.67E-06	-1.32E-06	6.49E-06	3.62E-06	-2.86E-06
5603	478069.5	3850016.36	2.99E-05	1.63E-05	-1.35E-05	6.56E-06	3.66E-06	-2.91E-06	3.03E-06	1.69E-06	-1.34E-06	6.56E-06	3.66E-06	-2.91E-06
5604	478151	3850056.35	3.00E-05	1.64E-05	-1.36E-05	6.59E-06	3.67E-06	-2.92E-06	3.05E-06	1.70E-06	-1.35E-06	6.59E-06	3.67E-06	-2.92E-06
5605	478232.6	3850096.35	3.03E-05	1.65E-05	-1.38E-05	6.66E-06	3.70E-06	-2.96E-06	3.08E-06	1.71E-06	-1.37E-06	6.66E-06	3.70E-06	-2.96E-06
5606	478314.2	3850136.34	3.04E-05	1.66E-05	-1.38E-05	6.69E-06	3.71E-06	-2.97E-06	3.09E-06	1.72E-06	-1.37E-06	6.69E-06	3.71E-06	-2.97E-06
5607	478395.8	3850176.34	3.05E-05	1.66E-05	-1.39E-05	6.70E-06	3.72E-06	-2.98E-06	3.10E-06	1.72E-06	-1.38E-06	6.70E-06	3.72E-06	-2.98E-06
5608	478575.4	3850244.45	2.33E-05	1.27E-05	-1.06E-05	5.12E-06	2.85E-06	-2.28E-06	2.37E-06	1.32E-06	-1.05E-06	5.12E-06	2.85E-06	-2.28E-06
5609	478665.1	3850287.29	2.31E-05	1.26E-05	-1.05E-05	5.07E-06	2.81E-06	-2.26E-06	2.34E-06	1.30E-06	-1.04E-06	5.07E-06	2.81E-06	-2.26E-06
5610	478754.7	3850330.14	2.28E-05	1.24E-05	-1.04E-05	5.01E-06	2.78E-06	-2.23E-06	2.32E-06	1.28E-06	-1.03E-06	5.01E-06	2.78E-06	-2.23E-06
5611	478844.3	3850372.99	2.24E-05	1.22E-05	-1.02E-05	4.92E-06	2.72E-06	-2.19E-06	2.27E-06	1.26E-06	-1.01E-06	4.92E-06	2.72E-06	-2.19E-06
5612	478934	3850415.84	2.18E-05	1.19E-05	-9.96E-06	4.80E-06	2.66E-06	-2.14E-06	2.22E-06	1.23E-06	-9.88E-07	4.80E-06	2.66E-06	-2.14E-06
5613	479023.6	3850458.68	2.21E-05	1.20E-05	-1.01E-05	4.86E-06	2.69E-06	-2.17E-06	2.24E-06	1.24E-06	-1.00E-06	4.86E-06	2.69E-06	-2.17E-06
5614	479110.7	3850441.9	1.25E-05	6.86E-06	-5.67E-06	2.75E-06	1.54E-06	-1.22E-06	1.27E-06	7.10E-07	-5.63E-07	2.75E-06	1.54E-06	-1.22E-06
5615	479191.2	3850423.99	8.79E-06	4.83E-06	-3.97E-06	1.93E-06	1.08E-06	-8.51E-07	8.93E-07	5.00E-07	-3.93E-07	1.93E-06	1.08E-06	-8.51E-07
5616	479274.3	3850465.71	8.89E-06	4.88E-06	-4.01E-06	1.95E-06	1.09E-06	-8.61E-07	9.03E-07	5.05E-07	-3.98E-07	1.95E-06	1.09E-06	-8.61E-07
5617	479357.4	3850507.42	8.98E-06	4.92E-06	-4.06E-06	1.97E-06	1.10E-06	-8.70E-07	9.12E-07	5.09E-07	-4.02E-07	1.97E-06	1.10E-06	-8.70E-07
5618	479440.5	3850549.14	8.97E-06	4.91E-06	-4.05E-06	1.97E-06	1.10E-06	-8.70E-07	9.10E-07	5.08E-07	-4.02E-07	1.97E-06	1.10E-06	-8.70E-07
5619	479523.6	3850590.85	8.98E-06	4.92E-06	-4.06E-06	1.97E-06	1.10E-06	-8.72E-07	9.12E-07	5.09E-07	-4.03E-07	1.97E-06	1.10E-06	-8.72E-07
5620	479606.7	3850632.57	9.05E-06	4.96E-06	-4.10E-06	1.99E-06	1.11E-06	-8.80E-07	9.19E-07	5.13E-07	-4.06E-07	1.99E-06	1.11E-06	-8.80E-07
5621	479777.4	3850707.61	8.62E-06	4.72E-06	-3.90E-06	1.89E-06	1.06E-06	-8.37E-07	8.75E-07	4.88E-07	-3.87E-07	1.89E-06	1.06E-06	-8.37E-07
5622	479864.9	3850740.95	8.24E-06	4.51E-06	-3.73E-06	1.81E-06	1.01E-06	-8.00E-07	8.37E-07	4.67E-07	-3.70E-07	1.81E-06	1.01E-06	-8.00E-07
5623	479931.9	3850829.56	1.14E-05	6.24E-06	-5.19E-06	2.51E-06	1.40E-06	-1.11E-06	1.16E-06	6.46E-07	-5.15E-07	2.51E-06	1.40E-06	-1.11E-06
5624	479995.6	3850926.75	2.06E-05	1.12E-05	-9.40E-06	4.52E-06	2.50E-06	-2.02E-06	2.09E-06	1.16E-06	-9.33E-07	4.52E-06	2.50E-06	-2.02E-06
5625	480079.8	3850968.64	2.05E-05	1.12E-05	-9.33E-06	4.50E-06	2.50E-06	-2.00E-06	2.08E-06	1.15E-06	-9.26E-07	4.50E-06	2.50E-06	-2.00E-06
5626	480164	3851010.54	2.05E-05	1.12E-05	-9.29E-06	4.50E-06	2.50E-06	-2.00E-06	2.08E-06	1.16E-06	-9.22E-07	4.50E-06	2.50E-06	-2.00E-06
5627	480248.2	3851052.43	2.04E-05	1.12E-05	-9.20E-06	4.47E-06	2.50E-06	-1.97E-06	2.07E-06	1.15E-06	-9.13E-07	4.47E-06	2.50E-06	-1.97E-06
5628	480332.5	3851094.33	2.05E-05	1.13E-05	-9.26E-06	4.51E-06	2.52E-06	-1.99E-06	2.08E-06	1.17E-06	-9.18E-07	4.51E-06	2.52E-06	-1.99E-06
5629	480416.7	3851136.22	2.09E-05	1.15E-05	-9.42E-06	4.60E-06	2.58E-06	-2.02E-06	2.12E-06	1.19E-06	-9.34E-07	4.60E-06	2.58E-06	-2.02E-06
5630	480580	3851215.17	2.06E-05	1.14E-05	-9.24E-06	4.53E-06	2.55E-06	-1.98E-06	2.09E-06	1.18E-06	-9.16E-07	4.53E-06	2.55E-06	-1.98E-06
5631	480659	3851252.22	2.02E-05	1.12E-05	-9.01E-06	4.43E-06	2.50E-06	-1.93E-06	2.05E-06	1.15E-06	-8.93E-07	4.43E-06	2.50E-06	-1.93E-06
5632	480817.4	3851327.85	1.96E-05	1.09E-05	-8.71E-06	4.31E-06	2.44E-06	-1.87E-06	1.99E-06	1.13E-06	-8.63E-07	4.31E-06	2.44E-06	-1.87E-06
5633	480896.7	3851366.42	1.95E-05	1.08E-05	-8.62E-06	4.27E-06	2.43E-06	-1.85E-06	1.98E-06	1.12E-06	-8.54E-07	4.27E-06	2.43E-06	-1.85E-06
5634	480976.1	3851405	1.93E-05	1.08E-05	-8.53E-06	4.24E-06	2.41E-06	-1.83E-06	1.96E-06	1.11E-06	-8.45E-07	4.24E-06	2.41E-06	-1.83E-06
5635	481178	3851487.31	1.55E-05	8.66E-06	-6.86E-06	3.41E-06	1.94E-06	-1.47E-06	1.58E-06	8.96E-07	-6.80E-07	3.41E-06	1.94E-06	-1.47E-06
5636	481244.9	3851557.17	1.94E-05	1.07E-05	-8.64E-06	4.26E-06	2.40E-06	-1.85E-06	1.97E-06	1.11E-06	-8.56E-07	4.26E-06	2.40E-06	-1.85E-06
5637	481311.8	3851627.03	2.22E-05	1.23E-05	-9.94E-06	4.88E-06	2.75E-06	-2.13E-06	2.26E-06	1.27E-06	-9.85E-07	4.88E-06	2.75E-06	-2.13E-06
5638	481378.7	3851696.89	2.14E-05	1.18E-05	-9.59E-06	4.70E-06	2.64E-06	-2.06E-06	2.17E-06	1.22E-06	-9.50E-07	4.70E-06	2.64E-06	-2.06E-06
5639	481445.6	3851766.76	2.11E-05	1.17E-05	-9.47E-06	4.64E-06	2.61E-06	-2.03E-06	2.15E-06	1.21E-06	-9.39E-07	4.64E-06	2.61E-06	-2.03E-06
5640	481512.5	3851836.62	2.11E-05	1.16E-05	-9.46E-06	4.64E-06	2.61E-06	-2.03E-06	2.14E-06	1.21E-06	-9.38E-07	4.64E-06	2.61E-06	-2.03E-06
5641	481579.4	3851906.48	2.10E-05	1.16E-05	-9.40E-06	4.61E-06	2.59E-06	-2.02E-06	2.13E-06	1.20E-06	-9.32E-07	4.61E-06	2.59E-06	-2.02E-06
5642	481646.3	3851976.34	2.12E-05	1.17E-05	-9.48E-06	4.65E-06	2.61E-06	-2.03E-06	2.15E-06	1.21E-06	-9.40E-07	4.65E-06	2.61E-06	-2.03E-06
5643	481713.2	3852046.2	2.10E-05	1.16E-05	-9.41E-06	4.61E-06	2.60E-06	-2.02E-06	2.13E-06	1.20E-06	-9.33E-07	4.61E-06	2.60E-06	-2.02E-06
5644	481780.1	3852116.06	2.12E-05	1.17E-05	-9.49E-06	4.65E-06	2.62E-06	-2.04E-06	2.15E-06	1.21E-06	-9.41E-07	4.65E-06	2.62E-06	-2.04E-06
5645	481847	3852185.92	2.15E-05	1.18E-05	-9.63E-06	4.72E-06	2.65E-06	-2.07E-06	2.18E-06	1.23E-06	-9.55E-07	4.72E-06	2.65E-06	-2.07E-06
5646	481913.9	3852255.78	2.16E-05	1.19E-05	-9.70E-06	4.75E-06	2.67E-06	-2.08E-06	2.20E-06	1.24E-06	-9.61E-07	4.75E-06	2.67E-06	-2.08E-06
5647	481980.8	3852325.65	2.19E-05	1.21E-05	-9.81E-06	4.81E-06	2.70E-06	-2.11E-06	2.22E-06	1.25E-06	-9.73E-07	4.81E-06	2.70E-06	-2.11E-06
5648	482047.7	3852395.51	2.19E-05	1.21E-05	-9.83E-06	4.82E-06	2.71E-06	-2.11E-06	2.23E-06	1.25E-06	-9.75E-07	4.82E-06	2.71E-06	-2.11E-06
5649	482114.6	3852465.37	2.20E-05	1.21E-05	-9.84E-06	4.83E-06	2.71E-06	-2.11E-06	2.23E-06	1.25E-06	-9.76E-07	4.83E-06	2.71E-06	-2.11E-06
5650	482181.5	3852535.23	2.23E-05	1.23E-05	-9.98E-06	4.89E-06	2.75E-06	-2.14E-06	2.26E-06	1.27E-06	-9.89E-07	4.89E-06	2.75E-06	-2.14E-06
5651	482338.7	3852700.04	2.28E-05	1.26E-05	-1.02E-05	5.00E-06	2.81E-06	-2.19E-06	2.31E-06	1.30E-06	-1.01E-06	5.00E-06	2.81E-06	-2.19E-06
5652	482404.1	3852767.78	2.26E-05	1.25E-05	-1.01E-05	4.97E-06	2.79E-06	-2.17E-06	2.30E-06	1.29E-06	-1.00E-06	4.97E-06	2.79E-06	-2.17E-06
5653	482469.4	3852835.52	2.27E-05	1.25E-05	-1.02E-05	5.00E-06	2.81E-06	-2.19E-06	2.31E-06	1.30E-06	-1.01E-06	5.00E-06	2.81E-06	-2.19E-06
5654	482534.8	3852903.25	2.27E-05	1.25E-05	-1.02E-05	4.99E-06	2.81E-06	-2.19E-06	2.31E-06	1.30E-06	-1.01E-06	4.99E-06	2.81E-06	-2.19E-06
5655	482600.1	3852970.99	2.22E-05	1.23E-05	-9.92E-06	4.87E-06	2.75E-06	-2.13E-06	2.25E-06	1.27E-06	-9.84E-07	4.87E-06	2.75E-06	-2.13E-06
5656	482706.7	3853119.28	1.80E-05	9.98E-06	-7.98E-06	3.95E-06	2.23E-06	-1.71E-06	1.82E-06	1.03E-06	-7.91E-07	3.95E-06	2.23E-06	-1.71E-06
5657	482748	3853199.84	1.82E-05	1.01E-05	-8.11E-06	4.00E-06	2.27E-06	-1.74E-06	1.85E-06	1.05E-06	-8.04E-07	4.00E-06	2.27E-06	-1.74E-06
5658	482789.2	3853280.4	1.72E-05	9.62E-06	-7.59E-06	3.78E-06	2.15E-06	-1.63E-06	1.75E-06	9.95E-07	-7.52E-07	3.78E-06	2.15E-06	-1.63E-06
5659	482830.5	3853360.96	1.45E-05	8.36E-06	-6.15E-06	3.19E-06	1.87E-06	-1.32E-06	1.47E-06	8.65E-07	-6.08E-07	3.19E-06	1.87E-06	-1.32E-06
5660	482871.7	3853441.52	1.25E-05	7.37E-06	-5.09E-06	2.74E-06	1.65E-06	-1.09E-06	1.27E-06	7.63E-07	-5.02E-07	2.74E-06	1.65E-06	-1.09E-06
5661	482913	3853522.07	1.09E-05	6.69E-06	-4.18E-06	2.39E-06	1.50E-06	-8.91E-07	1.10E-06	6.92E-07	-4.12E-07	2.39E-06	1.50E-06	-8.91E-07
5662	482954.2	3853602.63	8.95E-06	5.99E-06	-2.96E-06	1.97E-06	1.34E-06	-6.24E-07	9.08E-07	6.20E-07	-2.89E-07	1.97E-06	1.34E-06	-6.24E-07
5663	482995.5	3853683.19	7.48E-06	5.44E-06	-2.04E-06	1.64E-06	1.22E-06	-4.26E-07	7.60E-07	5.63E-07	-1.97E-07	1.64E-06	1.22E-06	-4.26E-07
5664	483036.7	3853763.75	6.42E-06	5.03E-06	-1.39E-06	1.41E-06	1.13E-06	-2.85E-07	6.52E-07	5.21E-07	-1.32E-07	1.41E-06	1.13E-06	-2.85E-07
5665	483214.2	3853909.91	3.61E-06	2.81E-06	-7.94E-07	7.93E-07	6.30E-07	-1.63E-07	3.66E-07	2.91E-07	-7.52E-08	7.93E-07	6.30E-07	-1.63E-07
5666	483307	3853910.44	3.00E-06	2.24E-06	-7.62E-07	6.60E-07	5.02E-07	-1.58E-07	3.05E-07	2.32E-07	-7.30E-08	6.60E-07	5.02E-07	-1.58E-07
5667	483399.8	3853910.96	2.55E-06	1.86E-06	-6.92E-07	5.61E-07	4.17E-07	-1.44E-07	2.59E-07	1.93E-07	-6.66E-08	5.61E-07	4.17E-07	-1.44E-07
5668	483494.5	3854009.24	2.29E-06	1.91E-06	-3.78E-07	5.04E-07	4.29E-07	-7.50E-08	2.33E-07	1.98E-07	-3.47E-08	5.04E-07	4.29E-07	-7.50E-08

5669	483496.4	3854106.98	2.35E-06	2.53E-06	1.82E-07	5.15E-07	5.66E-07	5.06E-08	2.38E-07	2.62E-07	2.34E-08	5.15E-07	5.66E-07	5.06E-08
5670	483577.6	3854261.96	2.10E-06	4.06E-06	1.95E-06	4.62E-07	9.08E-07	4.46E-07	2.14E-07	4.20E-07	2.06E-07	4.62E-07	9.08E-07	4.46E-07
5671	483656.8	3854319.19	1.90E-06	4.23E-06	2.33E-06	4.17E-07	9.46E-07	5.30E-07	1.93E-07	4.37E-07	2.45E-07	4.17E-07	9.46E-07	5.30E-07
5672	483736.1	3854376.41	1.73E-06	4.41E-06	2.68E-06	3.79E-07	9.88E-07	6.08E-07	1.75E-07	4.56E-07	2.81E-07	3.79E-07	9.88E-07	6.08E-07
5673	483815.4	3854433.64	1.59E-06	4.67E-06	3.08E-06	3.50E-07	1.05E-06	6.95E-07	1.62E-07	4.83E-07	3.21E-07	3.50E-07	1.05E-06	6.95E-07
5674	483894.6	3854490.87	1.48E-06	4.97E-06	3.49E-06	3.25E-07	1.11E-06	7.87E-07	1.50E-07	5.14E-07	3.64E-07	3.25E-07	1.11E-06	7.87E-07
5675	483973.9	3854548.09	1.39E-06	5.28E-06	3.89E-06	3.06E-07	1.18E-06	8.77E-07	1.42E-07	5.47E-07	4.05E-07	3.06E-07	1.18E-06	8.77E-07
5676	484053.2	3854605.32	1.34E-06	5.79E-06	4.45E-06	2.95E-07	1.30E-06	1.00E-06	1.36E-07	5.99E-07	4.63E-07	2.95E-07	1.30E-06	1.00E-06
5677	484215	3854698.15	1.26E-06	5.94E-06	4.68E-06	2.76E-07	1.33E-06	1.05E-06	1.28E-07	6.15E-07	4.87E-07	2.76E-07	1.33E-06	1.05E-06
5678	484297.5	3854733.74	1.24E-06	6.03E-06	4.79E-06	2.73E-07	1.35E-06	1.08E-06	1.26E-07	6.24E-07	4.98E-07	2.73E-07	1.35E-06	1.08E-06
5679	484380	3854769.34	1.21E-06	5.92E-06	4.71E-06	2.66E-07	1.33E-06	1.06E-06	1.23E-07	6.13E-07	4.90E-07	2.66E-07	1.33E-06	1.06E-06
5680	484462.6	3854804.94	1.20E-06	5.89E-06	4.68E-06	2.64E-07	1.32E-06	1.05E-06	1.22E-07	6.09E-07	4.87E-07	2.64E-07	1.32E-06	1.05E-06
5681	484545.1	3854840.53	1.17E-06	5.67E-06	4.49E-06	2.58E-07	1.27E-06	1.01E-06	1.19E-07	5.86E-07	4.67E-07	2.58E-07	1.27E-06	1.01E-06
5682	484691.9	3854912.58	1.17E-06	5.94E-06	4.77E-06	2.58E-07	1.33E-06	1.07E-06	1.19E-07	6.15E-07	4.95E-07	2.58E-07	1.33E-06	1.07E-06
5683	484830.8	3855012.51	1.19E-06	5.07E-06	3.88E-06	2.62E-07	1.14E-06	8.74E-07	1.21E-07	5.25E-07	4.04E-07	2.62E-07	1.14E-06	8.74E-07
5684	484905.5	3855075.97	1.24E-06	4.72E-06	3.49E-06	2.72E-07	1.06E-06	7.86E-07	1.26E-07	4.89E-07	3.63E-07	2.72E-07	1.06E-06	7.86E-07
5685	484980.1	3855139.44	1.26E-06	4.50E-06	3.24E-06	2.77E-07	1.01E-06	7.30E-07	1.28E-07	4.66E-07	3.38E-07	2.77E-07	1.01E-06	7.30E-07
5686	485054.8	3855202.91	1.27E-06	4.27E-06	3.00E-06	2.79E-07	9.57E-07	6.77E-07	1.29E-07	4.42E-07	3.13E-07	2.79E-07	9.57E-07	6.77E-07
5687	485129.5	3855266.37	1.26E-06	3.98E-06	2.73E-06	2.76E-07	8.92E-07	6.16E-07	1.28E-07	4.12E-07	2.84E-07	2.76E-07	8.92E-07	6.16E-07
5688	485204.2	3855329.84	1.29E-06	3.94E-06	2.65E-06	2.83E-07	8.81E-07	5.99E-07	1.31E-07	4.07E-07	2.77E-07	2.83E-07	8.81E-07	5.99E-07
5689	485278.8	3855393.31	1.29E-06	3.76E-06	2.47E-06	2.84E-07	8.42E-07	5.58E-07	1.31E-07	3.89E-07	2.58E-07	2.84E-07	8.42E-07	5.58E-07
5690	485353.5	3855456.77	1.31E-06	3.64E-06	2.32E-06	2.88E-07	8.14E-07	5.26E-07	1.33E-07	3.76E-07	2.43E-07	2.88E-07	8.14E-07	5.26E-07
5691	485428.2	3855520.24	1.32E-06	3.48E-06	2.16E-06	2.89E-07	7.79E-07	4.90E-07	1.34E-07	3.60E-07	2.26E-07	2.89E-07	7.79E-07	4.90E-07
5692	485502.8	3855583.71	1.33E-06	3.36E-06	2.03E-06	2.91E-07	7.52E-07	4.60E-07	1.35E-07	3.47E-07	2.13E-07	2.91E-07	7.52E-07	4.60E-07
5693	485577.5	3855647.17	1.35E-06	3.29E-06	1.94E-06	2.98E-07	7.37E-07	4.39E-07	1.38E-07	3.40E-07	2.03E-07	2.98E-07	7.37E-07	4.39E-07
5694	485652.2	3855710.64	1.38E-06	3.22E-06	1.83E-06	3.04E-07	7.20E-07	4.16E-07	1.40E-07	3.33E-07	1.92E-07	3.04E-07	7.20E-07	4.16E-07
5695	485726.8	3855774.1	1.39E-06	3.10E-06	1.71E-06	3.06E-07	6.95E-07	3.89E-07	1.41E-07	3.21E-07	1.80E-07	3.06E-07	6.95E-07	3.89E-07
5696	485801.5	3855837.57	1.39E-06	2.98E-06	1.59E-06	3.05E-07	6.68E-07	3.63E-07	1.41E-07	3.09E-07	1.68E-07	3.05E-07	6.68E-07	3.63E-07
5697	485876.2	3855901.04	1.40E-06	2.91E-06	1.51E-06	3.07E-07	6.51E-07	3.44E-07	1.42E-07	3.01E-07	1.59E-07	3.07E-07	6.51E-07	3.44E-07
5698	485950.8	3855964.5	1.39E-06	2.83E-06	1.43E-06	3.06E-07	6.33E-07	3.27E-07	1.41E-07	2.93E-07	1.51E-07	3.06E-07	6.33E-07	3.27E-07
5699	486025.5	3856027.97	1.38E-06	2.72E-06	1.34E-06	3.03E-07	6.10E-07	3.07E-07	1.40E-07	2.82E-07	1.42E-07	3.03E-07	6.10E-07	3.07E-07
5700	486100.2	3856091.44	1.41E-06	2.73E-06	1.31E-06	3.11E-07	6.10E-07	2.99E-07	1.44E-07	2.82E-07	1.38E-07	3.11E-07	6.10E-07	2.99E-07
5701	486174.8	3856154.9	1.39E-06	2.61E-06	1.21E-06	3.06E-07	5.84E-07	2.77E-07	1.42E-07	2.70E-07	1.28E-07	3.06E-07	5.84E-07	2.77E-07
5702	486249.5	3856218.37	1.35E-06	2.45E-06	1.11E-06	2.96E-07	5.50E-07	2.54E-07	1.37E-07	2.54E-07	1.17E-07	2.96E-07	5.50E-07	2.54E-07
5703	486324.2	3856281.84	1.31E-06	2.39E-06	1.07E-06	2.89E-07	5.34E-07	2.46E-07	1.33E-07	2.47E-07	1.14E-07	2.89E-07	5.34E-07	2.46E-07
5704	486398.8	3856345.3	1.33E-06	2.41E-06	1.08E-06	2.92E-07	5.40E-07	2.48E-07	1.35E-07	2.49E-07	1.15E-07	2.92E-07	5.40E-07	2.48E-07
5705	486473.5	3856408.77	1.33E-06	2.37E-06	1.04E-06	2.93E-07	5.31E-07	2.39E-07	1.35E-07	2.46E-07	1.10E-07	2.93E-07	5.31E-07	2.39E-07
5706	486548.2	3856472.24	1.35E-06	2.36E-06	1.01E-06	2.96E-07	5.29E-07	2.32E-07	1.37E-07	2.44E-07	1.07E-07	2.96E-07	5.29E-07	2.32E-07
5707	486622.8	3856535.7	1.37E-06	2.34E-06	9.67E-07	3.01E-07	5.23E-07	2.22E-07	1.39E-07	2.42E-07	1.03E-07	3.01E-07	5.23E-07	2.22E-07
5708	486765.5	3856659.69	1.42E-06	2.27E-06	8.44E-07	3.13E-07	5.08E-07	1.95E-07	1.45E-07	2.35E-07	9.01E-08	3.13E-07	5.08E-07	1.95E-07
5709	486833.4	3856720.2	1.45E-06	2.25E-06	8.02E-07	3.18E-07	5.03E-07	1.86E-07	1.47E-07	2.33E-07	8.58E-08	3.18E-07	5.03E-07	1.86E-07
5710	486901.4	3856780.72	1.48E-06	2.23E-06	7.51E-07	3.25E-07	4.99E-07	1.74E-07	1.50E-07	2.31E-07	8.06E-08	3.25E-07	4.99E-07	1.74E-07
5711	486969.4	3856841.24	1.50E-06	2.21E-06	7.10E-07	3.30E-07	4.96E-07	1.65E-07	1.53E-07	2.29E-07	7.64E-08	3.30E-07	4.96E-07	1.65E-07
5712	487037.3	3856901.75	1.53E-06	2.20E-06	6.72E-07	3.36E-07	4.93E-07	1.57E-07	1.55E-07	2.28E-07	7.25E-08	3.36E-07	4.93E-07	1.57E-07
5713	487271.2	3856855.51	1.36E-06	1.36E-06	8.29E-09	2.98E-07	3.05E-07	7.56E-09	1.38E-07	1.41E-07	3.49E-09	2.98E-07	3.05E-07	7.56E-09
5714	487369	3856857.29	1.31E-06	1.23E-06	-8.48E-08	2.88E-07	2.75E-07	-1.35E-08	1.33E-07	1.27E-07	-6.22E-09	2.88E-07	2.75E-07	-1.35E-08
5715	487466.7	3856859.06	1.28E-06	1.12E-06	-1.54E-07	2.81E-07	2.52E-07	-2.91E-08	1.30E-07	1.16E-07	-1.35E-08	2.81E-07	2.52E-07	-2.91E-08
5716	487636.4	3856930	1.27E-06	1.05E-06	-2.20E-07	2.78E-07	2.34E-07	-4.38E-08	1.29E-07	1.08E-07	-2.03E-08	2.78E-07	2.34E-07	-4.38E-08
5717	487709.6	3856928.43	1.24E-06	9.91E-07	-2.50E-07	2.73E-07	2.22E-07	-5.07E-08	1.26E-07	1.03E-07	-2.34E-08	2.73E-07	2.22E-07	-5.07E-08
5718	487782.6	3856841.96	1.16E-06	8.85E-07	-2.73E-07	2.54E-07	1.98E-07	-5.63E-08	1.18E-07	9.15E-08	-2.60E-08	2.54E-07	1.98E-07	-5.63E-08
5719	487849.8	3856754.74	1.09E-06	8.05E-07	-2.84E-07	2.39E-07	1.80E-07	-5.91E-08	1.11E-07	8.33E-08	-2.73E-08	2.39E-07	1.80E-07	-5.91E-08
5720	487918	3856819.39	1.11E-06	8.12E-07	-3.01E-07	2.44E-07	1.82E-07	-6.27E-08	1.13E-07	8.40E-08	-2.90E-08	2.44E-07	1.82E-07	-6.27E-08
5721	487918.8	3856886.37	1.15E-06	8.47E-07	-3.06E-07	2.53E-07	1.90E-07	-6.38E-08	1.17E-07	8.76E-08	-2.95E-08	2.53E-07	1.90E-07	-6.38E-08
5722	488065.5	3857127.5	1.26E-06	9.20E-07	-3.39E-07	2.77E-07	2.06E-07	-7.06E-08	1.28E-07	9.52E-08	-3.26E-08	2.77E-07	2.06E-07	-7.06E-08
5723	488192.2	3857385.83	1.45E-06	1.05E-06	-4.06E-07	3.19E-07	2.35E-07	-8.47E-08	1.48E-07	1.08E-07	-3.91E-08	3.19E-07	2.35E-07	-8.47E-08
5724	488191.2	3857473.87	1.56E-06	1.14E-06	-4.23E-07	3.43E-07	2.55E-07	-8.82E-08	1.59E-07	1.18E-07	-4.08E-08	3.43E-07	2.55E-07	-8.82E-08
5725	488190.2	3857561.9	1.69E-06	1.25E-06	-4.40E-07	3.71E-07	2.80E-07	-9.14E-08	1.72E-07	1.29E-07	-4.23E-08	3.71E-07	2.80E-07	-9.14E-08
5726	488158.4	3857691.13	1.94E-06	1.51E-06	-4.25E-07	4.26E-07	3.38E-07	-8.71E-08	1.97E-07	1.56E-07	-4.02E-08	4.26E-07	3.38E-07	-8.71E-08
5727	488208.4	3857816.66	2.17E-06	1.71E-06	-4.53E-07	4.76E-07	3.84E-07	-9.24E-08	2.20E-07	1.77E-07	-4.27E-08	4.76E-07	3.84E-07	-9.24E-08
5728	488272	3857874.6	2.24E-06	1.73E-06	-5.15E-07	4.93E-07	3.87E-07	-1.06E-07	2.28E-07	1.79E-07	-4.89E-08	4.93E-07	3.87E-07	-1.06E-07
5729	488463.6	3857942.31	2.20E-06	1.54E-06	-6.66E-07	4.84E-07	3.44E-07	-1.40E-07	2.24E-07	1.59E-07	-6.46E-08	4.84E-07	3.44E-07	-1.40E-07
5730	488554.8	3857940.83	2.09E-06	1.40E-06	-6.90E-07	4.60E-07	3.14E-07	-1.46E-07	2.12E-07	1.45E-07	-6.73E-08	4.60E-07	3.14E-07	-1.46E-07
5731	488646.1	3857939.36	1.99E-06	1.29E-06	-7.00E-07	4.38E-07	2.90E-07	-1.48E-07	2.02E-07	1.34E-07	-6.85E-08	4.38E-07	2.90E-07	-1.48E-07
5732	488737.4	3857937.88	1.90E-06	1.20E-06	-6.99E-07	4.18E-07	2.70E-07	-1.49E-07	1.93E-07	1.25E-07	-6.86E-08	4.18E-07	2.70E-07	-1.49E-07
5733	488733.6	3857960.57	1.95E-06	1.24E-06	-7.14E-07	4.28E-07	2.77E-07	-1.52E-07	1.98E-07	1.28E-07	-7.01E-08	4.28E-07	2.77E-07	-1.52E-07
5734	488638.1	3857961.57	2.05E-06	1.33E-06	-7.13E-07	4.50E-07	2.99E-07	-1.51E-07	2.08E-07	1.38E-07	-6.98E-08	4.50E-07	2.99E-07	-1.51E-07
5735	488542.6	3857962.56	2.16E-06	1.46E-06	-7.01E-07	4.74E-07	3.26E-07	-1.48E-07	2.19E-07	1.51E-07	-6.83E-08	4.74E-07	3.26E-07	-1.48E-07
5736	488447.1	3857963.56	2.28E-06	1.61E-06	-6.68E-07	5.01E-07	3.61E-07	-1.40E-07	2.31E-07	1.67E-07	-6.48E-08	5.01E-07	3.61E-07	-1.40E-07
5737	488254.3	3857890.36	2.31E-06	1.82E-06	-4.94E-07	5.08E-07	4.07E-07	-1.01E-07	2.35E-07	1.88E-07	-4.66E-08	5.08E-07	4.07E-07	-1.01E-07
5738	488191.7	3857833.06	2.23E-06	1.80E-06	-4.27E-07	4.89E-07	4.03E-07	-8.63E-08	2.26E-07	1.86E-07	-3.99E-08	4.89E-07	4.03E-07	-8.63E-08
5739	488129.5	3857907.43	2.56E-06	2.32E-06	-2.37E-07	5.62E-07	5.20E-07	-4.23E-08	2.60E-07	2.40E-07	-1.96E-08	5.62E-07	5.20E-07	-4.23E-08
5740	488196.5	3857968.73	2.68E-06	2.34E-06	-3.33E-07	5.88E-07	5.25E-07	-6.33E-08	2.72E-07	2.43E-07	-2.92E-08	5.88E-07	5.25E-07	-6.33E-08
5741	488263.4	3858030.04	2.80E-06	2.36E-06	-4.39E-07	6.15E-07	5.28E-07	-8.66E-08	2.84E-07	2.44E-07	-4.00E-08	6.15E-07	5.28E-07	-8.66E-08
5742	488400.6	3858132.9	2.97E-06	2.30E-06	-6.73E-07	6.53E-07	5.15E-07	-1.38E-07	3.02E-07	2.38E-07	-6.39E-08	6.53E-07	5.15E-07	-1.38E-07
5743	488519.9	3858218.38	3.18E-06	2.31E-06	-8.70E-07	6.99E-07	5.18E-07	-1.82E-07	3.23E-07	2.39E-07	-8.39E-08	6.99E-07	5.18E-07	-1.82E-07
5744	488648	3858214.99	2.84E-06	1.90E-06	-9.43E-07	6.24E-07	4.24E-07	-1.99E-07	2.88E-07	1.96E-07	-9.21E-08	6.24E-07	4.24E-07	-1.99E-07
5745	488727.1	3858167.67	2.50E-06	1.60E-06	-8.97E-07	5.50E-07	3.59E-07	-1.90E-07	2.54E-07	1.66E-07	-8.79E-08	5.50E-07	3.59E-07	-1.90E-07
5746	488806.1	3858120.35	2.24E-06	1.40E-06	-8.40E-07	4.92E-07	3.13E-07	-1.79E-07	2.27E-07	1.45E-07	-8.26E-08	4.92E-07	3.13E-07	-1.79E-07
5747	488885.2	3858073.03	2.03E-06	1.24E-06	-7.86E-07	4.45E-07	2.78E-07	-1.67E-07	2.06E-07	1.28E-07	-7.74E-08	4.45E-07	2.78E-07	-1.67E-07
5748	489055.8	3857991.17	1.72E-06	1.02E-06	-6.95E-07	3.77E-07	2.29E-07	-1.48E-07	1.74E-07	1.06E-07	-6.86E-08	3.77E-07	2.29E-07	-1.48E-07
5749	489245.4	3857944.54	1.52E-06	8.86E-07	-6.30E-07	3.33E-07	1.98E-07	-1.35E-07	1.54E-07	9.17E-08	-6.23E-08	3.33E-07	1.98E-07	-1.35E-07
5750	489430.6	3857930.91	1.40E-06	8.07E-07	-5.95E-07	3.08E-07	1.81E-07	-1.27E-07	1.42E-07	8.35E-08	-5.89E-08	3.08E-07	1.81E-07	-1.27E-07
5751	489517.7	3857929.36	1.36E-06	7.77E-07	-5.81E-07	2.98E-07	1.74E-07	-1.24E-07	1.38E-07	8.04E-08	-5.75E-08	2.98E-07	1.74E-07	-1.24E-07
5752	489604.9	3857927.82	1.32E-06	7.48E-07	-5.67E-07	2.89E-07	1.68E-07	-1.21E-07	1.34E-07	7.74E-08	-5.61E-08	2.89E-07	1.68E-07	-1.21E-07
5753	489692	3857926.28	1.28E-06	7.23E-07	-5.54E-07	2.81E-07	1.62E-07	-1.19E-07	1.30E-07	7.48E-08	-5.49E-08	2.81E-07	1.62E-07	-1.19E-07
5754	489779.1	3857924.73	1.24E-06	6.99E-07	-5.41E-07	2.73E-07	1.57E-07	-1.16E-07	1.26E-07	7.24E-08	-5.36E-08	2.73E-07	1.57E-07	-1.16E-07
5755	490017.6	3857875.08	1.12E-06	6.28E-07	-4.94E-07	2.47E-07	1.41E-07	-1.06E-07	1.14E-07	6.50E-08	-4.90E-08	2.47E-07	1.41E-07	-1.06E-07
5756	490033.8	3857960.81	1.18E-06	6.54E-07	-5.22E-07	2.58E-07	1.46E-07	-1.12E-07	1.19E-07	6.77E-08	-5.17E-08	2.58E-07	1.46E-07	-1.12E-07
5757	489959.2	3857987.49	1.23E-06	6.82E-07	-5.43E-07	2.69E-07	1.53E-07	-1.17E-07	1.24E-07	7.06E-08	-5.38E-08	2.69E-07	1.53E-07	-1.17E-07
5758	489791.5	3858016.12	1.30E-06	7.31E-07	-5.74E-07	2.87E-07	1.64E-07	-1.23E-07	1.32E-07	7.56E-08	-5.68E-08	2.87E-07	1.64E-07	-1.23E-07
5759	489698.5	3858018.07	1.35E-06	7.59E-07	-5.89E-07	2.96E-07	1.70E-07	-1.26E-07	1.37E-07	7.85E-08	-5.84E-08	2.96E-07	1.70E-07	-1.26E-07
5760	489605.5	3858020.01	1.40E-06	7.90E-07	-6.07E-07	3.07E-07	1.77E-07	-1.30E-07	1.42E-07	8.18E-08	-6.01E-08	3.07E-07	1.77E-07	-1.30E-07
5761	489512.5	3858021.96	1.45E-06	8.24E-07	-6.24E-07	3.18E-07	1.85E-07	-1.34E-07	1.47E-07	8.53E-08	-6.18E-08	3.18E-07	1.85E-07	-1.34E-07
5762	489419.6	3858023.91	1.51E-06	8.62E-07	-6.44E-07	3.31E-07	1.93E-07	-1.38E-07	1.53E-07	8.92E-08	-6.37E-08	3.31E-07	1.93E-07	-1.38E-07
5763	489228.5	3858041.29	1.64E-06	9.57E-07	-6.86E-07	3.61E-07	2.14E-07	-1.47E-07	1.67E-07	9.90E-08	-6.78E-08	3.61E-07	2.14E-07	-1.47E-07
5764	489065.8	3858085.78	1.86E-06	1.10E-06	-7.57E-07	4.08E-07	2.47E-07	-1.62E-07	1.89E-07	1.14E-07	-7.47E-08	4.08E-07	2.47E-07	-1.62E-07
5765	489001.1	3858114.86	1.98E-06	1.18E-06	-7.95E-07	4.35E-07	2.65E-07	-1.70E-07	2.01E-07	1.23E-07	-7.85E-08	4.35E-07	2.65E-07	-1.70E-07
5766	488861.9	3858189.81	2.33E-06	1.44E-06	-8.93E-07	5.12E-07	3.22E-07	-1.90E-07	2.37E-07	1.49E-07	-8.79E-08	5.12E-07	3.22E-07	-1.90E-07
5767	488787.3	3858235.69	2.62E-06	1.66E-06	-9.69E-07	5.77E-07	3.71E-07	-2.06E-07	2.66E-07	1.71E-07	-9.52E-08	5.77E-07	3.71E-07	-2.06E-07
5768	488712.7	3858281.57	2.97E-06	1.94E-06	-1.03E-06	6.53E-07	4.35E-07	-2.18E-07	3.02E-07	2.01E-07	-1.01E-07	6.53E-07	4.35E-07	-2.18E-07
5769	488654.4	3858436.17	4.29E-06	3.05E-06	-1.24E-06	9.43E-07	6.83E-07	-2.60E-07	4.36E-07	3.16E-07	-1.20E-07	9.43E-07	6.83E-07	-2.60E-07
5770	488726.3	3858505.26	4.63E-06	3.16E-06	-1.47E-06	1.02E-06	7.08E-07	-3.09E-07	4.70E-07	3.27E-07	-1.43E-07	1.02E-06	7.08E-07	-3.09E-07
5771	488880.6	3858599.28	4.74E-06	2.95E-06	-1.79E-06	1.04E-06	6.60E-07	-3.80E-07	4.81E-07	3.05E-07	-1.76E-07	1.04E-06	6.60E-07	-3.80E-07
5772	489008.1	3858714.75	5.39E-06	3.22E-06	-2.17E-06	1.18E-06	7.21E-07	-4.64E-07	5.47E-07	3.33E-07	-2.14E-07	1.18E-06	7.21E-07	-4.64E-07
5773	489071.5	3858772.72	5.79E-06	3.43E-06	-2.37E-06	1.27E-06	7.67E-07	-5.06E-07	5.88E-07	3.55E-07	-2.34E-07	1.27E-06	7.67E-07	-5.06E-07

5774	489244.6	3858920.19	7.01E-06	4.00E-06	-3.01E-06	1.54E-06	8.97E-07	-6.44E-07	7.12E-07	4.14E-07	-2.98E-07	1.54E-06	8.97E-07	-6.44E-07
5775	489239.7	3858952.23	8.17E-06	4.68E-06	-3.48E-06	1.79E-06	1.05E-06	-7.46E-07	8.29E-07	4.85E-07	-3.45E-07	1.79E-06	1.05E-06	-7.46E-07
5776	489121.7	3858854.49	7.07E-06	4.18E-06	-2.89E-06	1.55E-06	9.37E-07	-6.17E-07	7.18E-07	4.33E-07	-2.85E-07	1.55E-06	9.37E-07	-6.17E-07
5777	489059.6	3858797.27	6.46E-06	3.87E-06	-2.59E-06	1.42E-06	8.67E-07	-5.54E-07	6.56E-07	4.01E-07	-2.56E-07	1.42E-06	8.67E-07	-5.54E-07
5778	488997.5	3858740.04	5.95E-06	3.60E-06	-2.35E-06	1.31E-06	8.05E-07	-5.02E-07	6.04E-07	3.72E-07	-2.32E-07	1.31E-06	8.05E-07	-5.02E-07
5779	488935.4	3858682.82	5.52E-06	3.38E-06	-2.14E-06	1.21E-06	7.57E-07	-4.57E-07	5.61E-07	3.50E-07	-2.11E-07	1.21E-06	7.57E-07	-4.57E-07
5780	488869.2	3858848.43	1.55E-05	1.26E-05	-2.85E-06	3.40E-06	2.83E-06	-5.72E-07	1.57E-06	1.31E-06	-2.64E-07	3.40E-06	2.83E-06	-5.72E-07
5781	488932.5	3858892.69	1.68E-05	1.30E-05	-3.87E-06	3.70E-06	2.90E-06	-7.97E-07	1.71E-06	1.34E-06	-3.68E-07	3.70E-06	2.90E-06	-7.97E-07
5782	489063.3	3858977.17	1.90E-05	1.28E-05	-6.26E-06	4.18E-06	2.86E-06	-1.32E-06	1.93E-06	1.32E-06	-6.11E-07	4.18E-06	2.86E-06	-1.32E-06
5783	489248.2	3859117.15	3.03E-05	1.81E-05	-1.22E-05	6.65E-06	4.05E-06	-2.61E-06	3.07E-06	1.87E-06	-1.20E-06	6.65E-06	4.05E-06	-2.61E-06
5784	489296.3	3859049.22	1.19E-05	6.75E-06	-5.14E-06	2.61E-06	1.51E-06	-1.10E-06	1.21E-06	6.98E-07	-5.09E-07	2.61E-06	1.51E-06	-1.10E-06
5785	489353.4	3858993.96	7.45E-06	4.15E-06	-3.29E-06	1.64E-06	9.30E-07	-7.06E-07	7.56E-07	4.30E-07	-3.26E-07	1.64E-06	9.30E-07	-7.06E-07
5786	489537.2	3859120.22	8.33E-06	4.61E-06	-3.72E-06	1.83E-06	1.03E-06	-7.98E-07	8.45E-07	4.77E-07	-3.69E-07	1.83E-06	1.03E-06	-7.98E-07
5787	489727	3859246.04	9.32E-06	5.15E-06	-4.18E-06	2.05E-06	1.15E-06	-8.96E-07	9.47E-07	5.33E-07	-4.14E-07	2.05E-06	1.15E-06	-8.96E-07
5788	489911.5	3859366.33	1.03E-05	5.72E-06	-4.60E-06	2.27E-06	1.28E-06	-9.87E-07	1.05E-06	5.92E-07	-4.56E-07	2.27E-06	1.28E-06	-9.87E-07
5789	490035.3	3859430.26	1.03E-05	5.68E-06	-4.57E-06	2.25E-06	1.27E-06	-9.81E-07	1.04E-06	5.88E-07	-4.53E-07	2.25E-06	1.27E-06	-9.81E-07
5790	490101.1	3859458.61	9.93E-06	5.49E-06	-4.44E-06	2.18E-06	1.23E-06	-9.51E-07	1.01E-06	5.69E-07	-4.40E-07	2.18E-06	1.23E-06	-9.51E-07
5791	490312.7	3859560.3	1.07E-05	5.93E-06	-4.81E-06	2.36E-06	1.33E-06	-1.03E-06	1.09E-06	6.14E-07	-4.76E-07	2.36E-06	1.33E-06	-1.03E-06
5792	490401.6	3859603.12	1.14E-05	6.32E-06	-5.09E-06	2.51E-06	1.42E-06	-1.09E-06	1.16E-06	6.55E-07	-5.04E-07	2.51E-06	1.42E-06	-1.09E-06
5793	490490.6	3859645.94	1.21E-05	6.73E-06	-5.37E-06	2.66E-06	1.51E-06	-1.15E-06	1.23E-06	6.97E-07	-5.33E-07	2.66E-06	1.51E-06	-1.15E-06
5794	490579.5	3859688.76	1.28E-05	7.13E-06	-5.64E-06	2.81E-06	1.60E-06	-1.21E-06	1.30E-06	7.38E-07	-5.59E-07	2.81E-06	1.60E-06	-1.21E-06
5795	490668.5	3859731.58	1.31E-05	7.36E-06	-5.78E-06	2.89E-06	1.65E-06	-1.24E-06	1.33E-06	7.62E-07	-5.72E-07	2.89E-06	1.65E-06	-1.24E-06
5796	490757.4	3859774.4	1.43E-05	8.03E-06	-6.24E-06	3.13E-06	1.80E-06	-1.34E-06	1.45E-06	8.31E-07	-6.18E-07	3.13E-06	1.80E-06	-1.34E-06
5797	491003.5	3859861.82	1.24E-05	6.99E-06	-5.40E-06	2.72E-06	1.57E-06	-1.16E-06	1.26E-06	7.23E-07	-5.35E-07	2.72E-06	1.57E-06	-1.16E-06
5798	491081.4	3859879.05	1.10E-05	6.12E-06	-4.84E-06	2.41E-06	1.37E-06	-1.04E-06	1.11E-06	6.34E-07	-4.80E-07	2.41E-06	1.37E-06	-1.04E-06
5799	491229.8	3859917.82	8.87E-06	4.88E-06	-4.00E-06	1.95E-06	1.09E-06	-8.57E-07	9.01E-07	5.05E-07	-3.96E-07	1.95E-06	1.09E-06	-8.57E-07
5800	491300.2	3859939.35	8.06E-06	4.44E-06	-3.63E-06	1.77E-06	9.93E-07	-7.78E-07	8.19E-07	4.59E-07	-3.60E-07	1.77E-06	9.93E-07	-7.78E-07
5801	491350.5	3860012.03	9.64E-06	5.28E-06	-4.36E-06	2.12E-06	1.18E-06	-9.35E-07	9.78E-07	5.46E-07	-4.32E-07	2.12E-06	1.18E-06	-9.35E-07
5802	491406.8	3860092.56	1.12E-05	6.16E-06	-5.05E-06	2.46E-06	1.38E-06	-1.08E-06	1.14E-06	6.38E-07	-5.01E-07	2.46E-06	1.38E-06	-1.08E-06
5803	491483.4	3860121.96	9.53E-06	5.27E-06	-4.26E-06	2.09E-06	1.18E-06	-9.14E-07	9.68E-07	5.46E-07	-4.22E-07	2.09E-06	1.18E-06	-9.14E-07
5804	491559.9	3860151.35	8.31E-06	4.61E-06	-3.69E-06	1.82E-06	1.03E-06	-7.92E-07	8.43E-07	4.77E-07	-3.66E-07	1.82E-06	1.03E-06	-7.92E-07
5805	491711.8	3860237.76	6.01E-06	3.36E-06	-2.65E-06	1.32E-06	7.53E-07	-5.68E-07	6.11E-07	3.48E-07	-2.62E-07	1.32E-06	7.53E-07	-5.68E-07
5806	491755.2	3860319.07	8.62E-06	4.85E-06	-3.77E-06	1.89E-06	1.09E-06	-8.07E-07	8.75E-07	5.02E-07	-3.73E-07	1.89E-06	1.09E-06	-8.07E-07
5807	491704.7	3860366.54	1.38E-05	7.85E-06	-5.99E-06	3.04E-06	1.76E-06	-1.28E-06	1.41E-06	8.12E-07	-5.93E-07	3.04E-06	1.76E-06	-1.28E-06
5808	491623.4	3860462.39	1.53E-05	7.94E-06	-7.37E-06	3.36E-06	1.78E-06	-1.59E-06	1.55E-06	8.22E-07	-7.33E-07	3.36E-06	1.78E-06	-1.59E-06
5809	491534	3860439.84	6.31E-06	3.41E-06	-2.90E-06	1.39E-06	7.63E-07	-6.24E-07	6.41E-07	3.53E-07	-2.88E-07	1.39E-06	7.63E-07	-6.24E-07
5810	491314	3860268.17	7.83E-06	4.31E-06	-3.52E-06	1.72E-06	9.65E-07	-7.54E-07	7.95E-07	4.46E-07	-3.49E-07	1.72E-06	9.65E-07	-7.54E-07
5811	491187.1	3860143.56	1.11E-05	6.31E-06	-4.83E-06	2.45E-06	1.41E-06	-1.03E-06	1.13E-06	6.53E-07	-4.78E-07	2.45E-06	1.41E-06	-1.03E-06
5812	491070.4	3860075.97	9.81E-06	5.45E-06	-4.36E-06	2.16E-06	1.22E-06	-9.34E-07	9.96E-07	5.64E-07	-4.32E-07	2.16E-06	1.22E-06	-9.34E-07
5813	490995.1	3860039.38	9.06E-06	5.04E-06	-4.02E-06	1.99E-06	1.13E-06	-8.62E-07	9.20E-07	5.21E-07	-3.98E-07	1.99E-06	1.13E-06	-8.62E-07
5814	490919.8	3860002.8	9.27E-06	5.05E-06	-4.22E-06	2.04E-06	1.13E-06	-9.07E-07	9.42E-07	5.23E-07	-4.19E-07	2.04E-06	1.13E-06	-9.07E-07
5815	490756.8	3859894.53	2.20E-05	1.16E-05	-1.04E-05	4.82E-06	2.59E-06	-2.23E-06	2.23E-06	1.20E-06	-1.03E-06	4.82E-06	2.59E-06	-2.23E-06
5816	490668.1	3859860.92	2.06E-05	1.09E-05	-9.66E-06	4.52E-06	2.45E-06	-2.08E-06	2.09E-06	1.13E-06	-9.60E-07	4.52E-06	2.45E-06	-2.08E-06
5817	490579.3	3859827.3	2.00E-05	1.07E-05	-9.29E-06	4.39E-06	2.39E-06	-2.00E-06	2.03E-06	1.11E-06	-9.22E-07	4.39E-06	2.39E-06	-2.00E-06
5818	490490.6	3859793.68	1.85E-05	9.97E-06	-8.52E-06	4.06E-06	2.23E-06	-1.83E-06	1.88E-06	1.03E-06	-8.46E-07	4.06E-06	2.23E-06	-1.83E-06
5819	490401.9	3859760.07	1.74E-05	9.46E-06	-7.96E-06	3.83E-06	2.12E-06	-1.71E-06	1.77E-06	9.79E-07	-7.90E-07	3.83E-06	2.12E-06	-1.71E-06
5820	490313.1	3859726.45	1.70E-05	9.26E-06	-7.69E-06	3.72E-06	2.07E-06	-1.65E-06	1.72E-06	9.58E-07	-7.63E-07	3.72E-06	2.07E-06	-1.65E-06
5821	490224.4	3859692.83	1.66E-05	9.10E-06	-7.47E-06	3.64E-06	2.04E-06	-1.60E-06	1.68E-06	9.42E-07	-7.40E-07	3.64E-06	2.04E-06	-1.60E-06
5822	490135.7	3859659.22	1.62E-05	8.96E-06	-7.27E-06	3.57E-06	2.01E-06	-1.56E-06	1.65E-06	9.27E-07	-7.21E-07	3.57E-06	2.01E-06	-1.56E-06
5823	489918.2	3859559.23	1.71E-05	9.26E-06	-7.84E-06	3.76E-06	2.07E-06	-1.68E-06	1.74E-06	9.58E-07	-7.78E-07	3.76E-06	2.07E-06	-1.68E-06
5824	489743.6	3859486	1.13E-05	6.12E-06	-5.20E-06	2.49E-06	1.37E-06	-1.12E-06	1.15E-06	6.33E-07	-5.16E-07	2.49E-06	1.37E-06	-1.12E-06
5825	489660.3	3859440.27	1.13E-05	6.09E-06	-5.21E-06	2.48E-06	1.36E-06	-1.12E-06	1.15E-06	6.31E-07	-5.17E-07	2.48E-06	1.36E-06	-1.12E-06
5826	489577	3859394.53	1.13E-05	6.07E-06	-5.23E-06	2.48E-06	1.36E-06	-1.12E-06	1.15E-06	6.29E-07	-5.19E-07	2.48E-06	1.36E-06	-1.12E-06
5827	489493.8	3859348.8	1.12E-05	6.02E-06	-5.23E-06	2.47E-06	1.35E-06	-1.12E-06	1.14E-06	6.23E-07	-5.19E-07	2.47E-06	1.35E-06	-1.12E-06
5828	489321.3	3859240.02	1.42E-05	7.27E-06	-6.94E-06	3.12E-06	1.63E-06	-1.49E-06	1.44E-06	7.52E-07	-6.90E-07	3.12E-06	1.63E-06	-1.49E-06
5829	489235.4	3859193.96	1.40E-05	7.02E-06	-7.02E-06	3.09E-06	1.57E-06	-1.51E-06	1.43E-06	7.26E-07	-6.99E-07	3.09E-06	1.57E-06	-1.51E-06
5830	489149.5	3859147.89	1.34E-05	6.52E-06	-6.83E-06	2.93E-06	1.46E-06	-1.47E-06	1.36E-06	6.75E-07	-6.81E-07	2.93E-06	1.46E-06	-1.47E-06
5831	489063.7	3859101.82	1.33E-05	6.17E-06	-7.12E-06	2.92E-06	1.38E-06	-1.54E-06	1.35E-06	6.39E-07	-7.11E-07	2.92E-06	1.38E-06	-1.54E-06
5832	488977.8	3859055.75	1.32E-05	5.78E-06	-7.40E-06	2.90E-06	1.29E-06	-1.60E-06	1.34E-06	5.98E-07	-7.41E-07	2.90E-06	1.29E-06	-1.60E-06
5833	488891.9	3859009.69	1.27E-05	5.34E-06	-7.39E-06	2.80E-06	1.20E-06	-1.60E-06	1.29E-06	5.52E-07	-7.40E-07	2.80E-06	1.20E-06	-1.60E-06
5834	488808	3859060.73	4.44E-06	2.10E-06	-2.34E-06	9.75E-07	4.70E-07	-5.05E-07	4.51E-07	2.17E-07	-2.34E-07	9.75E-07	4.70E-07	-5.05E-07
5835	488809.9	3859157.85	2.67E-06	1.34E-06	-1.33E-06	5.87E-07	3.00E-07	-2.87E-07	2.71E-07	1.39E-07	-1.32E-07	5.87E-07	3.00E-07	-2.87E-07
5836	488811.9	3859254.96	1.93E-06	9.94E-07	-9.34E-07	4.24E-07	2.23E-07	-2.01E-07	1.96E-07	1.03E-07	-9.29E-08	4.24E-07	2.23E-07	-2.01E-07
5837	488813.8	3859352.07	1.52E-06	7.96E-07	-7.26E-07	3.34E-07	1.78E-07	-1.56E-07	1.55E-07	8.24E-08	-7.22E-08	3.34E-07	1.78E-07	-1.56E-07
5838	488815.7	3859449.19	1.27E-06	6.69E-07	-5.99E-07	2.79E-07	1.50E-07	-1.29E-07	1.29E-07	6.92E-08	-5.95E-08	2.79E-07	1.50E-07	-1.29E-07
5839	488910	3859547.1	1.17E-06	6.24E-07	-5.49E-07	2.58E-07	1.40E-07	-1.18E-07	1.19E-07	6.46E-08	-5.45E-08	2.58E-07	1.40E-07	-1.18E-07
5840	489002.5	3859547.91	1.27E-06	6.80E-07	-5.93E-07	2.80E-07	1.52E-07	-1.27E-07	1.29E-07	7.04E-08	-5.89E-08	2.80E-07	1.52E-07	-1.27E-07
5841	489094.9	3859548.71	1.40E-06	7.48E-07	-6.48E-07	3.07E-07	1.68E-07	-1.39E-07	1.42E-07	7.74E-08	-6.43E-08	3.07E-07	1.68E-07	-1.39E-07
5842	489230.1	3859601.87	1.45E-06	7.82E-07	-6.70E-07	3.19E-07	1.75E-07	-1.44E-07	1.47E-07	8.09E-08	-6.65E-08	3.19E-07	1.75E-07	-1.44E-07
5843	489227.5	3859680.89	1.25E-06	6.74E-07	-5.75E-07	2.74E-07	1.51E-07	-1.23E-07	1.27E-07	6.97E-08	-5.71E-08	2.74E-07	1.51E-07	-1.23E-07
5844	489133.5	3859760.29	1.03E-06	5.54E-07	-4.74E-07	2.26E-07	1.24E-07	-1.02E-07	1.04E-07	5.73E-08	-4.70E-08	2.26E-07	1.24E-07	-1.02E-07
5845	489042	3859760.67	9.64E-07	5.18E-07	-4.46E-07	2.12E-07	1.16E-07	-9.59E-08	9.79E-08	5.36E-08	-4.43E-08	2.12E-07	1.16E-07	-9.59E-08
5846	488950.5	3859761.05	9.09E-07	4.87E-07	-4.22E-07	2.00E-07	1.09E-07	-9.06E-08	9.23E-08	5.04E-08	-4.19E-08	2.00E-07	1.09E-07	-9.06E-08
5847	488858.9	3859761.43	8.61E-07	4.60E-07	-4.01E-07	1.89E-07	1.03E-07	-8.61E-08	8.74E-08	4.76E-08	-3.98E-08	1.89E-07	1.03E-07	-8.61E-08
5848	488767.4	3859761.82	8.16E-07	4.35E-07	-3.81E-07	1.79E-07	9.74E-08	-8.19E-08	8.28E-08	4.50E-08	-3.78E-08	1.79E-07	9.74E-08	-8.19E-08
5849	488675.9	3859762.2	7.77E-07	4.14E-07	-3.64E-07	1.71E-07	9.26E-08	-7.81E-08	7.89E-08	4.28E-08	-3.61E-08	1.71E-07	9.26E-08	-7.81E-08
5850	488584.4	3859762.58	7.41E-07	3.94E-07	-3.47E-07	1.63E-07	8.82E-08	-7.47E-08	7.53E-08	4.07E-08	-3.45E-08	1.63E-07	8.82E-08	-7.47E-08
5851	488492.9	3859762.96	7.10E-07	3.77E-07	-3.33E-07	1.56E-07	8.43E-08	-7.16E-08	7.21E-08	3.90E-08	-3.31E-08	1.56E-07	8.43E-08	-7.16E-08
5852	488402.8	3859830.95	6.50E-07	3.46E-07	-3.05E-07	1.43E-07	7.74E-08	-6.55E-08	6.60E-08	3.58E-08	-3.03E-08	1.43E-07	7.74E-08	-6.55E-08
5853	488404.1	3859898.55	6.22E-07	3.31E-07	-2.91E-07	1.37E-07	7.42E-08	-6.25E-08	6.32E-08	3.43E-08	-2.89E-08	1.37E-07	7.42E-08	-6.25E-08
5854	488505.2	3859964.96	6.21E-07	3.32E-07	-2.89E-07	1.36E-07	7.43E-08	-6.21E-08	6.30E-08	3.43E-08	-2.87E-08	1.36E-07	7.43E-08	-6.21E-08
5855	488604.8	3859963.76	6.43E-07	3.44E-07	-2.99E-07	1.41E-07	7.71E-08	-6.43E-08	6.53E-08	3.56E-08	-2.97E-08	1.41E-07	7.71E-08	-6.43E-08
5856	488704.5	3859962.56	6.69E-07	3.59E-07	-3.11E-07	1.47E-07	8.03E-08	-6.68E-08	6.80E-08	3.71E-08	-3.09E-08	1.47E-07	8.03E-08	-6.68E-08
5857	488804.2	3859961.37	6.99E-07	3.75E-07	-3.24E-07	1.54E-07	8.39E-08	-6.96E-08	7.10E-08	3.88E-08	-3.22E-08	1.54E-07	8.39E-08	-6.96E-08
5858	488903.9	3859960.17	7.32E-07	3.93E-07	-3.39E-07	1.61E-07	8.81E-08	-7.28E-08	7.44E-08	4.07E-08	-3.37E-08	1.61E-07	8.81E-08	-7.28E-08
5859	489003.5	3859958.97	7.67E-07	4.13E-07	-3.54E-07	1.69E-07	9.24E-08	-7.61E-08	7.79E-08	4.27E-08	-3.52E-08	1.69E-07	9.24E-08	-7.61E-08
5860	489103.2	3859957.77	8.07E-07	4.35E-07	-3.72E-07	1.77E-07	9.74E-08	-7.98E-08	8.19E-08	4.50E-08	-3.69E-08	1.77E-07	9.74E-08	-7.98E-08
5861	489201.5	3860046.59	7.80E-07	4.22E-07	-3.58E-07	1.71E-07	9.44E-08	-7.69E-08	7.92E-08	4.36E-08	-3.55E-08	1.71E-07	9.44E-08	-7.69E-08
5862	489200.1	3860136.61	7.22E-07	3.91E-07	-3.32E-07	1.59E-07	8.75E-08	-7.12E-08	7.33E-08	4.04E-08	-3.29E-08	1.59E-07	8.75E-08	-7.12E-08
5863	489198.7	3860226.63	6.76E-07	3.66E-07	-3.10E-07	1.49E-07	8.20E-08	-6.66E-08	6.87E-08	3.79E-08	-3.08E-08	1.49E-07	8.20E-08	-6.66E-08
5864	489197.4	3860316.66	6.37E-07	3.45E-07	-2.92E-07	1.40E-07	7.73E-08	-6.26E-08	6.47E-08	3.57E-08	-2.90E-08	1.40E-07	7.73E-08	-6.26E-08
5865	489196	3860406.68	6.00E-07	3.26E-07	-2.74E-07	1.32E-07	7.29E-08	-5.89E-08	6.09E-08	3.37E-08	-2.72E-08	1.32E-07	7.29E-08	-5.89E-08
5866	489194.6	3860496.7	5.62E-07	3.05E-07	-2.57E-07	1.24E-07	6.83E-08	-5.52E-08	5.71E-08	3.16E-08	-2.55E-08	1.24E-07	6.83E-08	-5.52E-08
5867	489193.3	3860586.72	5.27E-07	2.87E-07	-2.41E-07	1.16E-07	6.42E-08	-5.16E-08	5.35E-08	2.97E-08	-2.39E-08	1.16E-07	6.42E-08	-5.16E-08
5868	489092	3860678.13	4.82E-07	2.62E-07	-2.20E-07	1.06E-07	5.86E-08	-4.73E-08	4.90E-08	2.71E-08	-2.19E-08	1.06E-07	5.86E-08	-4.73E-08
5869	488992.1	3860679.53	4.69E-07	2.54E-07	-2.14E-07	1.03E-07	5.69E-08	-4.60E-08	4.76E-08	2.63E-08	-2.13E-08	1.03E-07	5.69E-08	-4.60E-08
5870	488892.2	3860680.92	4.58E-07	2.48E-07	-2.10E-07	1.01E-07	5.55E-08	-4.51E-08	4.65E-08	2.57E-08	-2.08E-08	1.01E-07	5.55E-08	-4.51E-08
5871	488792.4	3860682.31	4.47E-07	2.41E-07	-2.06E-07	9.82E-08	5.41E-08	-4.42E-08	4.54E-08	2.50E-08	-2.04E-08	9.82E-08	5.41E-08	-4.42E-08
5872	488692.5	3860683.7	4.37E-07	2.36E-07	-2.01E-07	9.61E-08	5.28E-08	-4.33E-08	4.44E-08	2.44E-08	-2.00E-08	9.61E-08	5.28E-08	-4.33E-08
5873	488592.6	3860685.09	4.27E-07	2.30E-07	-1.97E-07	9.39E-08	5.15E-08	-4.24E-08	4.34E-08	2.38E-08	-1.96E-08	9.39E-08	5.15E-08	-4.24E-08
5874	488492.7	3860686.49	4.19E-07	2.25E-07	-1.94E-07	9.21E-08	5.04E-08	-4.17E-08	4.26E-08	2.33E-08	-1.93E-08	9.21E-08	5.04E-08	-4.17E-08
5875	488299.1	3860762.18	3.94E-07	2.11E-07	-1.83E-07	8.66E-08	4.73E-08	-3.93E-08	4.00E-08	2.19E-08	-1.82E-08	8.66E-08	4.73E-08	-3.93E-08
5876	488205.3	3860764.09	3.87E-07	2.07E-07	-1.80E-07	8.50E-08	4.64E-08	-3.86E-08	3.93E-08	2.14E-08	-1.78E-08	8.50E-08	4.64E-08	-3.86E-08
5877	488111.6	3860766	3.79E-07	2.03E-07	-1.76E-07	8.32E-08	4.54E-08	-3.78E-08	3.85E-08	2.10E-08	-1.75E-08	8.32E-08	4.54E-08	-3.78E-08
5878	488017.8	3860767.91	3.72E-07	1.98E-07	-1.73E-07	8.16E-08	4.44E-08	-3.72E-08	3.77E-08	2.05E-08	-1.72E-08	8.16E-08	4.44E-08	-3.72E-08

5879	487924.1	3860769.81	3.63E-07	1.94E-07	-1.69E-07	7.98E-08	4.34E-08	-3.64E-08	3.69E-08	2.01E-08	-1.68E-08	7.98E-08	4.34E-08	-3.64E-08
5880	487830.3	3860771.72	3.57E-07	1.91E-07	-1.67E-07	7.85E-08	4.27E-08	-3.58E-08	3.63E-08	1.97E-08	-1.65E-08	7.85E-08	4.27E-08	-3.58E-08
5881	487736.6	3860773.63	3.50E-07	1.87E-07	-1.63E-07	7.69E-08	4.18E-08	-3.50E-08	3.55E-08	1.93E-08	-1.62E-08	7.69E-08	4.18E-08	-3.50E-08
5882	487642.8	3860775.54	3.45E-07	1.84E-07	-1.61E-07	7.57E-08	4.12E-08	-3.45E-08	3.50E-08	1.90E-08	-1.60E-08	7.57E-08	4.12E-08	-3.45E-08
5883	487549.5	3860684.71	3.50E-07	1.87E-07	-1.63E-07	7.69E-08	4.18E-08	-3.51E-08	3.55E-08	1.93E-08	-1.62E-08	7.69E-08	4.18E-08	-3.51E-08
5884	487549.9	3860591.97	3.62E-07	1.92E-07	-1.69E-07	7.94E-08	4.31E-08	-3.64E-08	3.67E-08	1.99E-08	-1.68E-08	7.94E-08	4.31E-08	-3.64E-08
5885	487550.3	3860499.23	3.74E-07	1.99E-07	-1.75E-07	8.22E-08	4.45E-08	-3.77E-08	3.80E-08	2.06E-08	-1.74E-08	8.22E-08	4.45E-08	-3.77E-08
5886	487550.8	3860406.49	3.89E-07	2.07E-07	-1.83E-07	8.56E-08	4.63E-08	-3.93E-08	3.96E-08	2.14E-08	-1.82E-08	8.56E-08	4.63E-08	-3.93E-08
5887	487551.2	3860313.75	4.07E-07	2.15E-07	-1.91E-07	8.93E-08	4.82E-08	-4.11E-08	4.13E-08	2.23E-08	-1.90E-08	8.93E-08	4.82E-08	-4.11E-08
5888	487551.6	3860221.01	4.25E-07	2.25E-07	-2.00E-07	9.35E-08	5.04E-08	-4.31E-08	4.32E-08	2.33E-08	-1.99E-08	9.35E-08	5.04E-08	-4.31E-08
5889	487552.1	3860128.27	4.47E-07	2.36E-07	-2.11E-07	9.82E-08	5.28E-08	-4.54E-08	4.54E-08	2.44E-08	-2.10E-08	9.82E-08	5.28E-08	-4.54E-08
5890	487552.5	3860035.53	4.68E-07	2.46E-07	-2.21E-07	1.03E-07	5.52E-08	-4.76E-08	4.75E-08	2.55E-08	-2.20E-08	1.03E-07	5.52E-08	-4.76E-08
5891	487552.9	3859942.79	4.86E-07	2.55E-07	-2.31E-07	1.07E-07	5.71E-08	-4.96E-08	4.93E-08	2.64E-08	-2.29E-08	1.07E-07	5.71E-08	-4.96E-08
5892	487553.3	3859850.05	5.06E-07	2.64E-07	-2.41E-07	1.11E-07	5.92E-08	-5.18E-08	5.13E-08	2.74E-08	-2.40E-08	1.11E-07	5.92E-08	-5.18E-08
5893	487553.8	3859757.31	5.24E-07	2.73E-07	-2.51E-07	1.15E-07	6.12E-08	-5.40E-08	5.33E-08	2.83E-08	-2.50E-08	1.15E-07	6.12E-08	-5.40E-08
5894	487554.2	3859664.57	5.45E-07	2.83E-07	-2.62E-07	1.20E-07	6.33E-08	-5.64E-08	5.54E-08	2.93E-08	-2.61E-08	1.20E-07	6.33E-08	-5.64E-08
5895	487460.2	3859571.05	5.56E-07	2.86E-07	-2.70E-07	1.22E-07	6.41E-08	-5.80E-08	5.64E-08	2.96E-08	-2.68E-08	1.22E-07	6.41E-08	-5.80E-08
5896	487365.8	3859570.27	5.42E-07	2.79E-07	-2.63E-07	1.19E-07	6.24E-08	-5.65E-08	5.50E-08	2.89E-08	-2.61E-08	1.19E-07	6.24E-08	-5.65E-08
5897	487271.4	3859569.48	5.29E-07	2.72E-07	-2.57E-07	1.16E-07	6.09E-08	-5.53E-08	5.37E-08	2.81E-08	-2.56E-08	1.16E-07	6.09E-08	-5.53E-08
5898	487176.9	3859568.7	5.16E-07	2.65E-07	-2.51E-07	1.13E-07	5.93E-08	-5.41E-08	5.24E-08	2.74E-08	-2.50E-08	1.13E-07	5.93E-08	-5.41E-08
5899	487082.5	3859567.92	5.05E-07	2.59E-07	-2.46E-07	1.11E-07	5.80E-08	-5.29E-08	5.12E-08	2.68E-08	-2.44E-08	1.11E-07	5.80E-08	-5.29E-08
5900	486988.1	3859567.14	4.93E-07	2.53E-07	-2.40E-07	1.08E-07	5.66E-08	-5.17E-08	5.01E-08	2.62E-08	-2.39E-08	1.08E-07	5.66E-08	-5.17E-08
5901	486893.7	3859566.36	4.82E-07	2.47E-07	-2.35E-07	1.06E-07	5.54E-08	-5.05E-08	4.90E-08	2.56E-08	-2.34E-08	1.06E-07	5.54E-08	-5.05E-08
5902	486799.3	3859565.58	4.72E-07	2.42E-07	-2.30E-07	1.04E-07	5.42E-08	-4.95E-08	4.80E-08	2.51E-08	-2.29E-08	1.04E-07	5.42E-08	-4.95E-08
5903	486704.8	3859564.79	4.62E-07	2.37E-07	-2.25E-07	1.02E-07	5.31E-08	-4.85E-08	4.69E-08	2.45E-08	-2.24E-08	1.02E-07	5.31E-08	-4.85E-08
5904	486610.4	3859564.01	4.53E-07	2.33E-07	-2.21E-07	9.96E-08	5.21E-08	-4.75E-08	4.60E-08	2.41E-08	-2.20E-08	9.96E-08	5.21E-08	-4.75E-08
5905	486516	3859563.23	4.43E-07	2.28E-07	-2.16E-07	9.74E-08	5.10E-08	-4.64E-08	4.50E-08	2.36E-08	-2.15E-08	9.74E-08	5.10E-08	-4.64E-08
5906	486421.6	3859562.45	4.34E-07	2.23E-07	-2.11E-07	9.55E-08	5.00E-08	-4.55E-08	4.41E-08	2.31E-08	-2.10E-08	9.55E-08	5.00E-08	-4.55E-08
5907	486327.1	3859561.67	4.27E-07	2.20E-07	-2.08E-07	9.39E-08	4.92E-08	-4.47E-08	4.34E-08	2.27E-08	-2.07E-08	9.39E-08	4.92E-08	-4.47E-08
5908	486232.7	3859560.89	4.18E-07	2.15E-07	-2.03E-07	9.19E-08	4.82E-08	-4.37E-08	4.25E-08	2.23E-08	-2.02E-08	9.19E-08	4.82E-08	-4.37E-08
5909	486138.3	3859560.1	4.10E-07	2.11E-07	-1.99E-07	9.01E-08	4.73E-08	-4.28E-08	4.17E-08	2.19E-08	-1.98E-08	9.01E-08	4.73E-08	-4.28E-08
5910	486043.9	3859559.32	4.02E-07	2.07E-07	-1.95E-07	8.83E-08	4.63E-08	-4.20E-08	4.08E-08	2.14E-08	-1.94E-08	8.83E-08	4.63E-08	-4.20E-08
5911	485949.4	3859463.54	4.07E-07	2.08E-07	-1.98E-07	8.93E-08	4.67E-08	-4.27E-08	4.13E-08	2.16E-08	-1.97E-08	8.93E-08	4.67E-08	-4.27E-08
5912	485949.2	3859368.55	4.19E-07	2.14E-07	-2.06E-07	9.21E-08	4.78E-08	-4.43E-08	4.26E-08	2.21E-08	-2.05E-08	9.21E-08	4.78E-08	-4.43E-08
5913	485949.1	3859273.55	4.33E-07	2.19E-07	-2.14E-07	9.51E-08	4.90E-08	-4.61E-08	4.39E-08	2.26E-08	-2.13E-08	9.51E-08	4.90E-08	-4.61E-08
5914	485949	3859178.56	4.46E-07	2.24E-07	-2.22E-07	9.80E-08	5.02E-08	-4.78E-08	4.53E-08	2.32E-08	-2.21E-08	9.80E-08	5.02E-08	-4.78E-08
5915	485948.9	3859083.56	4.63E-07	2.31E-07	-2.32E-07	1.02E-07	5.17E-08	-5.01E-08	4.70E-08	2.39E-08	-2.31E-08	1.02E-07	5.17E-08	-5.01E-08
5916	485948.8	3858988.56	4.83E-07	2.39E-07	-2.44E-07	1.06E-07	5.35E-08	-5.26E-08	4.90E-08	2.47E-08	-2.43E-08	1.06E-07	5.35E-08	-5.26E-08
5917	485948.7	3858893.57	5.06E-07	2.48E-07	-2.58E-07	1.11E-07	5.55E-08	-5.56E-08	5.13E-08	2.57E-08	-2.57E-08	1.11E-07	5.55E-08	-5.56E-08
5918	485948.6	3858798.57	5.32E-07	2.59E-07	-2.73E-07	1.17E-07	5.79E-08	-5.89E-08	5.40E-08	2.68E-08	-2.72E-08	1.17E-07	5.79E-08	-5.89E-08
5919	485948.5	3858703.58	5.60E-07	2.69E-07	-2.90E-07	1.23E-07	6.03E-08	-6.27E-08	5.68E-08	2.79E-08	-2.90E-08	1.23E-07	6.03E-08	-6.27E-08
5920	485948.3	3858608.58	5.92E-07	2.82E-07	-3.10E-07	1.30E-07	6.31E-08	-6.69E-08	6.01E-08	2.92E-08	-3.09E-08	1.30E-07	6.31E-08	-6.69E-08
5921	485948.2	3858513.59	6.28E-07	2.95E-07	-3.33E-07	1.38E-07	6.61E-08	-7.18E-08	6.38E-08	3.06E-08	-3.32E-08	1.38E-07	6.61E-08	-7.18E-08
5922	485948.1	3858418.59	6.68E-07	3.10E-07	-3.59E-07	1.47E-07	6.93E-08	-7.75E-08	6.79E-08	3.20E-08	-3.58E-08	1.47E-07	6.93E-08	-7.75E-08
5923	485948	3858323.59	7.17E-07	3.27E-07	-3.90E-07	1.58E-07	7.32E-08	-8.43E-08	7.28E-08	3.38E-08	-3.90E-08	1.58E-07	7.32E-08	-8.43E-08
5924	485947.9	3858228.6	7.71E-07	3.46E-07	-4.25E-07	1.69E-07	7.74E-08	-9.20E-08	7.83E-08	3.58E-08	-4.25E-08	1.69E-07	7.74E-08	-9.20E-08
5925	485947.8	3858133.6	8.36E-07	3.67E-07	-4.68E-07	1.84E-07	8.23E-08	-1.01E-07	8.49E-08	3.80E-08	-4.68E-08	1.84E-07	8.23E-08	-1.01E-07
5926	485947.7	3858038.61	9.23E-07	3.96E-07	-5.26E-07	2.03E-07	8.88E-08	-1.14E-07	9.37E-08	4.10E-08	-5.27E-08	2.03E-07	8.88E-08	-1.14E-07
5927	485854.5	3857943.35	9.48E-07	4.03E-07	-5.45E-07	2.08E-07	9.03E-08	-1.18E-07	9.63E-08	4.17E-08	-5.45E-08	2.08E-07	9.03E-08	-1.18E-07
5928	485761.5	3857943.09	8.86E-07	3.82E-07	-5.04E-07	1.95E-07	8.54E-08	-1.09E-07	9.00E-08	3.95E-08	-5.05E-08	1.95E-07	8.54E-08	-1.09E-07
5929	485668.5	3857942.83	8.36E-07	3.64E-07	-4.72E-07	1.84E-07	8.14E-08	-1.02E-07	8.49E-08	3.76E-08	-4.72E-08	1.84E-07	8.14E-08	-1.02E-07
5930	485575.5	3857942.56	7.88E-07	3.47E-07	-4.41E-07	1.73E-07	7.76E-08	-9.55E-08	8.00E-08	3.59E-08	-4.41E-08	1.73E-07	7.76E-08	-9.55E-08
5931	485482.5	3857942.3	7.48E-07	3.32E-07	-4.16E-07	1.64E-07	7.44E-08	-9.00E-08	7.60E-08	3.44E-08	-4.16E-08	1.64E-07	7.44E-08	-9.00E-08
5932	485389.5	3857942.04	7.12E-07	3.19E-07	-3.93E-07	1.57E-07	7.14E-08	-8.51E-08	7.23E-08	3.30E-08	-3.93E-08	1.57E-07	7.14E-08	-8.51E-08
5933	485296.5	3857941.78	6.79E-07	3.07E-07	-3.72E-07	1.49E-07	6.87E-08	-8.05E-08	6.90E-08	3.18E-08	-3.72E-08	1.49E-07	6.87E-08	-8.05E-08
5934	485203.5	3857941.52	6.51E-07	2.96E-07	-3.55E-07	1.43E-07	6.64E-08	-7.67E-08	6.61E-08	3.07E-08	-3.54E-08	1.43E-07	6.64E-08	-7.67E-08
5935	485110.4	3857941.26	6.23E-07	2.86E-07	-3.38E-07	1.37E-07	6.40E-08	-7.30E-08	6.33E-08	2.96E-08	-3.37E-08	1.37E-07	6.40E-08	-7.30E-08
5936	485017.4	3857940.99	5.97E-07	2.76E-07	-3.22E-07	1.31E-07	6.17E-08	-6.95E-08	6.06E-08	2.85E-08	-3.21E-08	1.31E-07	6.17E-08	-6.95E-08
5937	484924.4	3857940.73	5.73E-07	2.66E-07	-3.07E-07	1.26E-07	5.96E-08	-6.63E-08	5.82E-08	2.76E-08	-3.06E-08	1.26E-07	5.96E-08	-6.63E-08
5938	484831.4	3857940.47	5.51E-07	2.58E-07	-2.93E-07	1.21E-07	5.77E-08	-6.33E-08	5.59E-08	2.67E-08	-2.92E-08	1.21E-07	5.77E-08	-6.33E-08
5939	484738.1	3857859.3	5.51E-07	2.57E-07	-2.94E-07	1.21E-07	5.76E-08	-6.35E-08	5.60E-08	2.66E-08	-2.94E-08	1.21E-07	5.76E-08	-6.35E-08
5940	484737.9	3857778.4	5.77E-07	2.66E-07	-3.10E-07	1.27E-07	5.97E-08	-6.70E-08	5.85E-08	2.76E-08	-3.10E-08	1.27E-07	5.97E-08	-6.70E-08
5941	484737.6	3857697.49	6.04E-07	2.76E-07	-3.27E-07	1.33E-07	6.19E-08	-7.07E-08	6.13E-08	2.86E-08	-3.27E-08	1.33E-07	6.19E-08	-7.07E-08
5942	484737.3	3857616.59	6.32E-07	2.87E-07	-3.46E-07	1.39E-07	6.42E-08	-7.48E-08	6.42E-08	2.97E-08	-3.46E-08	1.39E-07	6.42E-08	-7.48E-08
5943	484645.5	3857535.18	6.35E-07	2.87E-07	-3.48E-07	1.40E-07	6.43E-08	-7.53E-08	6.45E-08	2.97E-08	-3.48E-08	1.40E-07	6.43E-08	-7.53E-08
5944	484554	3857534.67	6.07E-07	2.77E-07	-3.31E-07	1.33E-07	6.19E-08	-7.15E-08	6.17E-08	2.86E-08	-3.30E-08	1.33E-07	6.19E-08	-7.15E-08
5945	484462.5	3857534.17	5.82E-07	2.67E-07	-3.15E-07	1.28E-07	5.98E-08	-6.80E-08	5.91E-08	2.77E-08	-3.14E-08	1.28E-07	5.98E-08	-6.80E-08
5946	484370.9	3857533.66	5.60E-07	2.59E-07	-3.01E-07	1.23E-07	5.79E-08	-6.50E-08	5.68E-08	2.68E-08	-3.00E-08	1.23E-07	5.79E-08	-6.50E-08
5947	484279.4	3857533.16	5.39E-07	2.51E-07	-2.88E-07	1.18E-07	5.62E-08	-6.22E-08	5.47E-08	2.60E-08	-2.87E-08	1.18E-07	5.62E-08	-6.22E-08
5948	484187.9	3857532.65	5.21E-07	2.44E-07	-2.77E-07	1.14E-07	5.47E-08	-5.98E-08	5.29E-08	2.53E-08	-2.76E-08	1.14E-07	5.47E-08	-5.98E-08
5949	484096.3	3857532.15	5.05E-07	2.38E-07	-2.67E-07	1.11E-07	5.33E-08	-5.76E-08	5.12E-08	2.46E-08	-2.66E-08	1.11E-07	5.33E-08	-5.76E-08
5950	484004.8	3857531.64	4.90E-07	2.32E-07	-2.58E-07	1.08E-07	5.20E-08	-5.57E-08	4.98E-08	2.40E-08	-2.57E-08	1.08E-07	5.20E-08	-5.57E-08
5951	483913.3	3857531.14	4.77E-07	2.27E-07	-2.50E-07	1.05E-07	5.08E-08	-5.40E-08	4.84E-08	2.35E-08	-2.49E-08	1.05E-07	5.08E-08	-5.40E-08
5952	483821.7	3857530.63	4.64E-07	2.22E-07	-2.42E-07	1.02E-07	4.97E-08	-5.23E-08	4.71E-08	2.30E-08	-2.42E-08	1.02E-07	4.97E-08	-5.23E-08
5953	483729.6	3857450.11	4.66E-07	2.22E-07	-2.44E-07	1.02E-07	4.98E-08	-5.26E-08	4.73E-08	2.30E-08	-2.43E-08	1.02E-07	4.98E-08	-5.26E-08
5954	483729	3857370.08	4.81E-07	2.28E-07	-2.53E-07	1.06E-07	5.11E-08	-5.46E-08	4.89E-08	2.36E-08	-2.52E-08	1.06E-07	5.11E-08	-5.46E-08
5955	483728.4	3857290.06	4.97E-07	2.34E-07	-2.63E-07	1.09E-07	5.24E-08	-5.68E-08	5.05E-08	2.42E-08	-2.63E-08	1.09E-07	5.24E-08	-5.68E-08
5956	483727.9	3857210.03	5.14E-07	2.40E-07	-2.73E-07	1.13E-07	5.38E-08	-5.90E-08	5.22E-08	2.49E-08	-2.73E-08	1.13E-07	5.38E-08	-5.90E-08
5957	483641.2	3857129.07	5.16E-07	2.41E-07	-2.75E-07	1.13E-07	5.41E-08	-5.94E-08	5.24E-08	2.50E-08	-2.74E-08	1.13E-07	5.41E-08	-5.94E-08
5958	483555	3857128.14	5.01E-07	2.35E-07	-2.66E-07	1.10E-07	5.27E-08	-5.74E-08	5.09E-08	2.44E-08	-2.65E-08	1.10E-07	5.27E-08	-5.74E-08
5959	483468.9	3857127.2	4.87E-07	2.30E-07	-2.57E-07	1.07E-07	5.14E-08	-5.55E-08	4.94E-08	2.38E-08	-2.56E-08	1.07E-07	5.14E-08	-5.55E-08
5960	483382.8	3857126.26	4.74E-07	2.25E-07	-2.49E-07	1.04E-07	5.04E-08	-5.38E-08	4.81E-08	2.33E-08	-2.48E-08	1.04E-07	5.04E-08	-5.38E-08
5961	483296.7	3857125.32	4.62E-07	2.20E-07	-2.42E-07	1.02E-07	4.93E-08	-5.23E-08	4.69E-08	2.28E-08	-2.41E-08	1.02E-07	4.93E-08	-5.23E-08
5962	483210.5	3857124.39	4.51E-07	2.16E-07	-2.35E-07	9.90E-08	4.83E-08	-5.07E-08	4.58E-08	2.23E-08	-2.34E-08	9.90E-08	4.83E-08	-5.07E-08
5963	483123.4	3857030.96	4.54E-07	2.17E-07	-2.37E-07	9.98E-08	4.87E-08	-5.11E-08	4.61E-08	2.25E-08	-2.36E-08	9.98E-08	4.87E-08	-5.11E-08
5964	483122.4	3856938.46	4.70E-07	2.23E-07	-2.46E-07	1.03E-07	5.00E-08	-5.32E-08	4.77E-08	2.31E-08	-2.46E-08	1.03E-07	5.00E-08	-5.32E-08
5965	483121.4	3856845.97	4.85E-07	2.30E-07	-2.55E-07	1.07E-07	5.14E-08	-5.51E-08	4.92E-08	2.38E-08	-2.55E-08	1.07E-07	5.14E-08	-5.51E-08
5966	483120.3	3856753.47	5.00E-07	2.35E-07	-2.65E-07	1.10E-07	5.27E-08	-5.72E-08	5.08E-08	2.44E-08	-2.64E-08	1.10E-07	5.27E-08	-5.72E-08
5967	483119.3	3856660.98	5.17E-07	2.42E-07	-2.75E-07	1.14E-07	5.42E-08	-5.95E-08	5.25E-08	2.50E-08	-2.75E-08	1.14E-07	5.42E-08	-5.95E-08
5968	483118.3	3856568.49	5.36E-07	2.49E-07	-2.87E-07	1.18E-07	5.57E-08	-6.21E-08	5.44E-08	2.58E-08	-2.87E-08	1.18E-07	5.57E-08	-6.21E-08
5969	483117.3	3856475.99	5.58E-07	2.57E-07	-3.01E-07	1.23E-07	5.75E-08	-6.50E-08	5.66E-08	2.66E-08	-3.01E-08	1.23E-07	5.75E-08	-6.50E-08
5970	483116.2	3856383.5	5.81E-07	2.65E-07	-3.16E-07	1.28E-07	5.94E-08	-6.83E-08	5.90E-08	2.74E-08	-3.16E-08	1.28E-07	5.94E-08	-6.83E-08
5971	483115.2	3856291.01	6.06E-07	2.74E-07	-3.32E-07	1.33E-07	6.14E-08	-7.18E-08	6.16E-08	2.84E-08	-3.32E-08	1.33E-07	6.14E-08	-7.18E-08
5972	483114.2	3856198.51	6.34E-07	2.85E-07	-3.50E-07	1.39E-07	6.37E-08	-7.56E-08	6.44E-08	2.95E-08	-3.49E-08	1.39E-07	6.37E-08	-7.56E-08
5973	483113.2	3856106.02	6.69E-07	2.97E-07	-3.72E-07	1.47E-07	6.66E-08	-8.05E-08	6.80E-08	3.08E-08	-3.72E-08	1.47E-07	6.66E-08	-8.05E-08
5974	483112.2	3856013.52	7.08E-07	3.11E-07	-3.97E-07	1.56E-07	6.97E-08	-8.59E-08	7.19E-08	3.22E-08	-3.97E-08	1.56E-07	6.97E-08	-8.59E-08
5975	483029.3	3855920.47	7.17E-07	3.15E-07	-4.02E-07	1.58E-07	7.06E-08	-8.70E-08	7.28E-08	3.26E-08	-4.02E-08	1.58E-07	7.06E-08	-8.70E-08
5976	482947.4	3855919.91	6.84E-07	3.04E-07	-3.80E-07	1.50E-07	6.81E-08	-8.21E-08	6.94E-08	3.15E-08	-3.80E-08	1.50E-07	6.81E-08	-8.21E-08
5977	482865.5	3855919.36	6.54E-07	2.94E-07	-3.60E-07	1.44E-07	6.58E-08	-7.79E-08	6.64E-08	3.04E-08	-3.60E-08	1.44E-07	6.58E-08	-7.79E-08
5978	482783.6	3855918.8	6.29E-07	2.85E-07	-3.44E-07	1.38E-07	6.38E-08	-7.43E-08	6.38E-08	2.95E-08	-3.43E-08	1.38E-07	6.38E-08	-7.43E-08
5979	482700.3	3855818.39	6.35E-07	2.88E-07	-3.47E-07	1.40E-07	6.46E-08	-7.50E-08	6.45E-08	2.98E-08	-3.47E-08	1.40E-07	6.46E-08	-7.50E-08
5980	482698.9	3855718.54	6.72E-07	3.02E-07	-3.70E-07	1.48E-07	6.77E-08	-8.00E-08	6.82E-08	3.13E-08	-3.70E-08	1.48E-07	6.77E-08	-8.00E-08
5981	482697.5	3855618.68	7.13E-07	3.18E-07	-3.95E-07	1.57E-07	7.12E-08	-8.56E-08	7.24E-08	3.29E-08	-3.95E-08	1.57E-07	7.12E-08	-8.56E-08
5982	482696.1	3855518.83	7.64E-07	3.37E-07	-4.27E-07	1.68E-07	7.54E-08	-9.24E-08	7.75E-08	3.48E-08	-4.27E-08	1.68E-07	7.54E-08	-9.24E-08
5983	482694.7	3855418.98	8.20E-07	3.58E-07	-4.63E-07	1.80E-07	8.01E-08	-1.00E-07	8.33E-08	3.70E-08	-4.63E-08	1.80E-07	8.01E-08	-1.00E-07

5984	482693.3	3855319.13	8.88E-07	3.82E-07	-5.05E-07	1.95E-07	8.56E-08	-1.09E-07	9.02E-08	3.96E-08	-5.06E-08	1.95E-07	8.56E-08	-1.09E-07
5985	482691.9	3855219.27	9.69E-07	4.12E-07	-5.57E-07	2.13E-07	9.22E-08	-1.21E-07	9.84E-08	4.26E-08	-5.58E-08	2.13E-07	9.22E-08	-1.21E-07
5986	482690.5	3855119.42	1.07E-06	4.46E-07	-6.20E-07	2.34E-07	9.99E-08	-1.34E-07	1.08E-07	4.62E-08	-6.20E-08	2.34E-07	9.99E-08	-1.34E-07
5987	482689.1	3855019.57	1.19E-06	4.91E-07	-7.01E-07	2.62E-07	1.10E-07	-1.52E-07	1.21E-07	5.08E-08	-7.03E-08	2.62E-07	1.10E-07	-1.52E-07
5988	482687.7	3854919.71	1.34E-06	5.43E-07	-7.99E-07	2.95E-07	1.22E-07	-1.73E-07	1.36E-07	5.62E-08	-8.01E-08	2.95E-07	1.22E-07	-1.73E-07
5989	482686.3	3854819.86	1.54E-06	6.09E-07	-9.27E-07	3.38E-07	1.36E-07	-2.01E-07	1.56E-07	6.31E-08	-9.29E-08	3.38E-07	1.36E-07	-2.01E-07
5990	482684.9	3854720.01	1.77E-06	6.88E-07	-1.08E-06	3.88E-07	1.54E-07	-2.34E-07	1.79E-07	7.12E-08	-1.08E-07	3.88E-07	1.54E-07	-2.34E-07
5991	482683.5	3854620.16	2.06E-06	7.89E-07	-1.27E-06	4.52E-07	1.77E-07	-2.76E-07	2.09E-07	8.16E-08	-1.27E-07	4.52E-07	1.77E-07	-2.76E-07
5992	482682.1	3854520.31	2.38E-06	9.02E-07	-1.48E-06	5.24E-07	2.02E-07	-3.22E-07	2.42E-07	9.34E-08	-1.49E-07	5.24E-07	2.02E-07	-3.22E-07
5993	482680.7	3854420.45	2.73E-06	1.03E-06	-1.70E-06	6.00E-07	2.30E-07	-3.70E-07	2.77E-07	1.06E-07	-1.71E-07	6.00E-07	2.30E-07	-3.70E-07
5994	482679.3	3854320.6	3.04E-06	1.15E-06	-1.89E-06	6.68E-07	2.58E-07	-4.09E-07	3.09E-07	1.19E-07	-1.89E-07	6.68E-07	2.58E-07	-4.09E-07
5995	482677.9	3854220.75	3.27E-06	1.27E-06	-2.00E-06	7.18E-07	2.85E-07	-4.34E-07	3.32E-07	1.32E-07	-2.00E-07	7.18E-07	2.85E-07	-4.34E-07
5996	482676.5	3854120.9	3.37E-06	1.36E-06	-2.01E-06	7.41E-07	3.05E-07	-4.36E-07	3.42E-07	1.41E-07	-2.02E-07	7.41E-07	3.05E-07	-4.36E-07
5997	482675	3854021.04	3.50E-06	1.47E-06	-2.03E-06	7.70E-07	3.29E-07	-4.40E-07	3.56E-07	1.52E-07	-2.03E-07	7.70E-07	3.29E-07	-4.40E-07
5998	482673.6	3853921.19	3.63E-06	1.59E-06	-2.05E-06	7.99E-07	3.55E-07	-4.43E-07	3.69E-07	1.64E-07	-2.05E-07	7.99E-07	3.55E-07	-4.43E-07
5999	482672.2	3853821.34	3.87E-06	1.74E-06	-2.12E-06	8.49E-07	3.90E-07	-4.59E-07	3.92E-07	1.80E-07	-2.12E-07	8.49E-07	3.90E-07	-4.59E-07
6000	482670.8	3853721.48	4.13E-06	1.94E-06	-2.19E-06	9.07E-07	4.33E-07	-4.74E-07	4.19E-07	2.00E-07	-2.19E-07	9.07E-07	4.33E-07	-4.74E-07
6001	482669.4	3853621.63	4.46E-06	2.20E-06	-2.26E-06	9.79E-07	4.92E-07	-4.87E-07	4.52E-07	2.27E-07	-2.25E-07	9.79E-07	4.92E-07	-4.87E-07
6002	482646	3853446.13	5.07E-06	2.69E-06	-2.39E-06	1.11E-06	6.02E-07	-5.13E-07	5.15E-07	2.78E-07	-2.37E-07	1.11E-06	6.02E-07	-5.13E-07
6003	482624	3853370.48	5.13E-06	2.78E-06	-2.36E-06	1.13E-06	6.22E-07	-5.06E-07	5.21E-07	2.88E-07	-2.34E-07	1.13E-06	6.22E-07	-5.06E-07
6004	482601.9	3853294.84	5.38E-06	2.96E-06	-2.42E-06	1.18E-06	6.63E-07	-5.19E-07	5.46E-07	3.06E-07	-2.40E-07	1.18E-06	6.63E-07	-5.19E-07
6005	482531.3	3853133.44	6.18E-06	3.41E-06	-2.77E-06	1.36E-06	7.64E-07	-5.94E-07	6.28E-07	3.53E-07	-2.75E-07	1.36E-06	7.64E-07	-5.94E-07
6006	482482.7	3853047.69	6.65E-06	3.68E-06	-2.97E-06	1.46E-06	8.24E-07	-6.36E-07	6.75E-07	3.81E-07	-2.94E-07	1.46E-06	8.24E-07	-6.36E-07
6007	482383.1	3852897.4	9.82E-06	5.47E-06	-4.35E-06	2.16E-06	1.22E-06	-9.33E-07	9.97E-07	5.66E-07	-4.31E-07	2.16E-06	1.22E-06	-9.33E-07
6008	482265.6	3852765.26	1.11E-05	6.17E-06	-4.91E-06	2.44E-06	1.38E-06	-1.05E-06	1.13E-06	6.39E-07	-4.87E-07	2.44E-06	1.38E-06	-1.05E-06
6009	482199.2	3852697.66	1.10E-05	6.11E-06	-4.86E-06	2.41E-06	1.37E-06	-1.04E-06	1.11E-06	6.32E-07	-4.82E-07	2.41E-06	1.37E-06	-1.04E-06
6010	482132.7	3852630.07	1.08E-05	6.00E-06	-4.78E-06	2.37E-06	1.34E-06	-1.02E-06	1.09E-06	6.21E-07	-4.73E-07	2.37E-06	1.34E-06	-1.02E-06
6011	482066.2	3852562.48	1.07E-05	5.94E-06	-4.73E-06	2.35E-06	1.33E-06	-1.01E-06	1.08E-06	6.15E-07	-4.69E-07	2.35E-06	1.33E-06	-1.01E-06
6012	481999.7	3852494.89	1.05E-05	5.83E-06	-4.65E-06	2.30E-06	1.31E-06	-9.97E-07	1.06E-06	6.04E-07	-4.61E-07	2.30E-06	1.31E-06	-9.97E-07
6013	481933.3	3852427.29	1.02E-05	5.67E-06	-4.51E-06	2.24E-06	1.27E-06	-9.68E-07	1.03E-06	5.86E-07	-4.47E-07	2.24E-06	1.27E-06	-9.68E-07
6014	481866.8	3852359.7	1.01E-05	5.63E-06	-4.49E-06	2.22E-06	1.26E-06	-9.62E-07	1.03E-06	5.83E-07	-4.45E-07	2.22E-06	1.26E-06	-9.62E-07
6015	481800.3	3852292.11	9.86E-06	5.48E-06	-4.37E-06	2.17E-06	1.23E-06	-9.38E-07	1.00E-06	5.68E-07	-4.33E-07	2.17E-06	1.23E-06	-9.38E-07
6016	481733.8	3852224.52	9.68E-06	5.38E-06	-4.29E-06	2.13E-06	1.21E-06	-9.21E-07	9.83E-07	5.57E-07	-4.26E-07	2.13E-06	1.21E-06	-9.21E-07
6017	481667.4	3852156.92	9.67E-06	5.38E-06	-4.29E-06	2.12E-06	1.20E-06	-9.20E-07	9.82E-07	5.57E-07	-4.25E-07	2.12E-06	1.20E-06	-9.20E-07
6018	481600.9	3852089.33	9.47E-06	5.27E-06	-4.21E-06	2.08E-06	1.18E-06	-9.02E-07	9.62E-07	5.45E-07	-4.17E-07	2.08E-06	1.18E-06	-9.02E-07
6019	481534.4	3852021.74	9.41E-06	5.23E-06	-4.18E-06	2.07E-06	1.17E-06	-8.95E-07	9.55E-07	5.42E-07	-4.14E-07	2.07E-06	1.17E-06	-8.95E-07
6020	481467.9	3851954.15	9.34E-06	5.20E-06	-4.15E-06	2.05E-06	1.16E-06	-8.89E-07	9.49E-07	5.38E-07	-4.11E-07	2.05E-06	1.16E-06	-8.89E-07
6021	481401.5	3851886.55	9.31E-06	5.18E-06	-4.13E-06	2.05E-06	1.16E-06	-8.87E-07	9.46E-07	5.36E-07	-4.10E-07	2.05E-06	1.16E-06	-8.87E-07
6022	481265.9	3851761.43	8.18E-06	4.55E-06	-3.64E-06	1.80E-06	1.02E-06	-7.80E-07	8.31E-07	4.70E-07	-3.60E-07	1.80E-06	1.02E-06	-7.80E-07
6023	481196.7	3851703.89	7.65E-06	4.24E-06	-3.41E-06	1.68E-06	9.50E-07	-7.32E-07	7.77E-07	4.39E-07	-3.38E-07	1.68E-06	9.50E-07	-7.32E-07
6024	481076.3	3851619.04	7.44E-06	4.10E-06	-3.34E-06	1.64E-06	9.19E-07	-7.16E-07	7.56E-07	4.25E-07	-3.31E-07	1.64E-06	9.19E-07	-7.16E-07
6025	480939.8	3851549.07	7.22E-06	3.97E-06	-3.25E-06	1.59E-06	8.89E-07	-6.97E-07	7.33E-07	4.11E-07	-3.22E-07	1.59E-06	8.89E-07	-6.97E-07
6026	480854.6	3851506.41	7.25E-06	3.99E-06	-3.26E-06	1.59E-06	8.94E-07	-6.99E-07	7.36E-07	4.13E-07	-3.23E-07	1.59E-06	8.94E-07	-6.99E-07
6027	480769.3	3851463.75	7.33E-06	4.05E-06	-3.28E-06	1.61E-06	9.07E-07	-7.05E-07	7.45E-07	4.19E-07	-3.26E-07	1.61E-06	9.07E-07	-7.05E-07
6028	480684.1	3851421.08	7.42E-06	4.11E-06	-3.31E-06	1.63E-06	9.20E-07	-7.11E-07	7.54E-07	4.25E-07	-3.29E-07	1.63E-06	9.20E-07	-7.11E-07
6029	480598.8	3851378.42	7.43E-06	4.12E-06	-3.31E-06	1.63E-06	9.23E-07	-7.09E-07	7.54E-07	4.27E-07	-3.28E-07	1.63E-06	9.23E-07	-7.09E-07
6030	480435.7	3851275.01	1.00E-05	5.62E-06	-4.43E-06	2.21E-06	1.26E-06	-9.50E-07	1.02E-06	5.81E-07	-4.39E-07	2.21E-06	1.26E-06	-9.50E-07
6031	480347.9	3851232.36	9.91E-06	5.56E-06	-4.35E-06	2.18E-06	1.24E-06	-9.32E-07	1.01E-06	5.75E-07	-4.31E-07	2.18E-06	1.24E-06	-9.32E-07
6032	480260	3851189.72	9.76E-06	5.50E-06	-4.27E-06	2.15E-06	1.23E-06	-9.15E-07	9.91E-07	5.69E-07	-4.23E-07	2.15E-06	1.23E-06	-9.15E-07
6033	480172.2	3851147.07	9.64E-06	5.45E-06	-4.20E-06	2.12E-06	1.22E-06	-8.99E-07	9.79E-07	5.64E-07	-4.15E-07	2.12E-06	1.22E-06	-8.99E-07
6034	480084.3	3851104.42	9.53E-06	5.40E-06	-4.13E-06	2.09E-06	1.21E-06	-8.85E-07	9.67E-07	5.58E-07	-4.09E-07	2.09E-06	1.21E-06	-8.85E-07
6035	479996.4	3851061.77	9.44E-06	5.36E-06	-4.08E-06	2.07E-06	1.20E-06	-8.74E-07	9.58E-07	5.55E-07	-4.04E-07	2.07E-06	1.20E-06	-8.74E-07
6036	479908.6	3851019.13	9.59E-06	5.46E-06	-4.13E-06	2.11E-06	1.22E-06	-8.84E-07	9.74E-07	5.65E-07	-4.09E-07	2.11E-06	1.22E-06	-8.84E-07
6037	479820.7	3850976.48	9.49E-06	5.42E-06	-4.07E-06	2.08E-06	1.21E-06	-8.71E-07	9.63E-07	5.61E-07	-4.03E-07	2.08E-06	1.21E-06	-8.71E-07
6038	479732.9	3850933.83	9.40E-06	5.38E-06	-4.02E-06	2.06E-06	1.20E-06	-8.61E-07	9.54E-07	5.57E-07	-3.98E-07	2.06E-06	1.20E-06	-8.61E-07
6039	479645	3850891.18	9.37E-06	5.36E-06	-4.00E-06	2.06E-06	1.20E-06	-8.57E-07	9.51E-07	5.55E-07	-3.96E-07	2.06E-06	1.20E-06	-8.57E-07
6040	479557.2	3850848.54	9.30E-06	5.32E-06	-3.98E-06	2.04E-06	1.19E-06	-8.52E-07	9.44E-07	5.50E-07	-3.94E-07	2.04E-06	1.19E-06	-8.52E-07
6041	479469.3	3850805.89	9.40E-06	5.37E-06	-4.03E-06	2.06E-06	1.20E-06	-8.62E-07	9.54E-07	5.56E-07	-3.98E-07	2.06E-06	1.20E-06	-8.62E-07
6042	479381.5	3850763.24	9.31E-06	5.32E-06	-4.00E-06	2.05E-06	1.19E-06	-8.56E-07	9.46E-07	5.50E-07	-3.96E-07	2.05E-06	1.19E-06	-8.56E-07
6043	479293.6	3850720.59	9.16E-06	5.22E-06	-3.94E-06	2.01E-06	1.17E-06	-8.43E-07	9.30E-07	5.40E-07	-3.89E-07	2.01E-06	1.17E-06	-8.43E-07
6044	479205.8	3850677.95	9.04E-06	5.15E-06	-3.89E-06	1.99E-06	1.15E-06	-8.33E-07	9.18E-07	5.33E-07	-3.85E-07	1.99E-06	1.15E-06	-8.33E-07
6045	479117.9	3850635.3	8.75E-06	4.98E-06	-3.77E-06	1.92E-06	1.11E-06	-8.08E-07	8.89E-07	5.15E-07	-3.74E-07	1.92E-06	1.11E-06	-8.08E-07
6046	479030.1	3850592.65	8.50E-06	4.83E-06	-3.68E-06	1.87E-06	1.08E-06	-7.88E-07	8.64E-07	4.99E-07	-3.64E-07	1.87E-06	1.08E-06	-7.88E-07
6047	478942.2	3850550	8.65E-06	4.91E-06	-3.75E-06	1.90E-06	1.10E-06	-8.02E-07	8.79E-07	5.08E-07	-3.71E-07	1.90E-06	1.10E-06	-8.02E-07
6048	478854.3	3850507.36	9.24E-06	5.24E-06	-4.01E-06	2.03E-06	1.17E-06	-8.58E-07	9.39E-07	5.42E-07	-3.97E-07	2.03E-06	1.17E-06	-8.58E-07
6049	478766.5	3850464.71	9.28E-06	5.25E-06	-4.03E-06	2.04E-06	1.18E-06	-8.63E-07	9.42E-07	5.43E-07	-3.99E-07	2.04E-06	1.18E-06	-8.63E-07
6050	478678.6	3850422.06	9.27E-06	5.24E-06	-4.03E-06	2.04E-06	1.17E-06	-8.63E-07	9.41E-07	5.42E-07	-3.99E-07	2.04E-06	1.17E-06	-8.63E-07
6051	478590.8	3850379.41	9.29E-06	5.24E-06	-4.04E-06	2.04E-06	1.17E-06	-8.66E-07	9.43E-07	5.43E-07	-4.00E-07	2.04E-06	1.17E-06	-8.66E-07
6052	478502.9	3850336.77	9.27E-06	5.22E-06	-4.04E-06	2.04E-06	1.17E-06	-8.66E-07	9.41E-07	5.41E-07	-4.00E-07	2.04E-06	1.17E-06	-8.66E-07
6053	478415.1	3850294.12	9.18E-06	5.17E-06	-4.01E-06	2.02E-06	1.16E-06	-8.59E-07	9.32E-07	5.35E-07	-3.97E-07	2.02E-06	1.16E-06	-8.59E-07
6054	478327.2	3850251.47	9.23E-06	5.19E-06	-4.04E-06	2.03E-06	1.16E-06	-8.66E-07	9.38E-07	5.38E-07	-4.00E-07	2.03E-06	1.16E-06	-8.66E-07
6055	478239.4	3850208.82	9.24E-06	5.19E-06	-4.05E-06	2.03E-06	1.16E-06	-8.68E-07	9.39E-07	5.38E-07	-4.01E-07	2.03E-06	1.16E-06	-8.68E-07
6056	478151.5	3850166.18	9.23E-06	5.18E-06	-4.05E-06	2.03E-06	1.16E-06	-8.68E-07	9.37E-07	5.36E-07	-4.01E-07	2.03E-06	1.16E-06	-8.68E-07
6057	478063.7	3850123.53	9.19E-06	5.15E-06	-4.04E-06	2.02E-06	1.15E-06	-8.66E-07	9.33E-07	5.33E-07	-4.00E-07	2.02E-06	1.15E-06	-8.66E-07
6058	477975.8	3850080.88	8.97E-06	5.02E-06	-3.95E-06	1.97E-06	1.12E-06	-8.46E-07	9.11E-07	5.20E-07	-3.91E-07	1.97E-06	1.12E-06	-8.46E-07
6059	477888	3850038.23	8.92E-06	4.99E-06	-3.93E-06	1.96E-06	1.12E-06	-8.43E-07	9.06E-07	5.17E-07	-3.89E-07	1.96E-06	1.12E-06	-8.43E-07
6060	477800.1	3849995.59	8.79E-06	4.92E-06	-3.88E-06	1.93E-06	1.10E-06	-8.31E-07	8.93E-07	5.09E-07	-3.84E-07	1.93E-06	1.10E-06	-8.31E-07
6061	477712.2	3849952.94	8.83E-06	4.93E-06	-3.90E-06	1.94E-06	1.10E-06	-8.36E-07	8.96E-07	5.10E-07	-3.86E-07	1.94E-06	1.10E-06	-8.36E-07
6062	477624.4	3849910.29	8.82E-06	4.92E-06	-3.90E-06	1.94E-06	1.10E-06	-8.36E-07	8.95E-07	5.09E-07	-3.86E-07	1.94E-06	1.10E-06	-8.36E-07
6063	477536.5	3849867.64	8.70E-06	4.85E-06	-3.85E-06	1.91E-06	1.09E-06	-8.26E-07	8.83E-07	5.02E-07	-3.82E-07	1.91E-06	1.09E-06	-8.26E-07
6064	477448.7	3849825	8.66E-06	4.82E-06	-3.84E-06	1.90E-06	1.08E-06	-8.24E-07	8.80E-07	4.99E-07	-3.81E-07	1.90E-06	1.08E-06	-8.24E-07
6065	477360.8	3849782.35	8.58E-06	4.77E-06	-3.81E-06	1.89E-06	1.07E-06	-8.17E-07	8.72E-07	4.94E-07	-3.78E-07	1.89E-06	1.07E-06	-8.17E-07
6066	477273	3849739.7	8.46E-06	4.70E-06	-3.76E-06	1.86E-06	1.05E-06	-8.07E-07	8.59E-07	4.86E-07	-3.73E-07	1.86E-06	1.05E-06	-8.07E-07
6067	477185.1	3849697.05	8.42E-06	4.67E-06	-3.75E-06	1.85E-06	1.05E-06	-8.04E-07	8.55E-07	4.84E-07	-3.72E-07	1.85E-06	1.05E-06	-8.04E-07
6068	477097.3	3849654.41	8.52E-06	4.72E-06	-3.80E-06	1.87E-06	1.06E-06	-8.15E-07	8.66E-07	4.89E-07	-3.77E-07	1.87E-06	1.06E-06	-8.15E-07
6069	477009.4	3849611.76	8.80E-06	4.87E-06	-3.93E-06	1.93E-06	1.09E-06	-8.42E-07	8.93E-07	5.04E-07	-3.89E-07	1.93E-06	1.09E-06	-8.42E-07
6070	476841.5	3849530.08	8.87E-06	4.90E-06	-3.97E-06	1.95E-06	1.10E-06	-8.51E-07	9.01E-07	5.07E-07	-3.93E-07	1.95E-06	1.10E-06	-8.51E-07
6071	476761.4	3849491.05	8.86E-06	4.89E-06	-3.97E-06	1.95E-06	1.10E-06	-8.52E-07	9.00E-07	5.07E-07	-3.94E-07	1.95E-06	1.10E-06	-8.52E-07
6072	476681.3	3849452.02	9.09E-06	5.02E-06	-4.07E-06	2.00E-06	1.12E-06	-8.74E-07	9.23E-07	5.19E-07	-4.04E-07	2.00E-06	1.12E-06	-8.74E-07
6073	476601.3	3849412.99	9.54E-06	5.26E-06	-4.28E-06	2.10E-06	1.18E-06	-9.18E-07	9.69E-07	5.45E-07	-4.24E-07	2.10E-06	1.18E-06	-9.18E-07
6074	476456.3	3849353.67	1.10E-05	6.06E-06	-4.92E-06	2.41E-06	1.36E-06	-1.06E-06	1.12E-06	6.27E-07	-4.88E-07	2.41E-06	1.36E-06	-1.06E-06
6075	476305.4	3849318.83	1.05E-05	5.81E-06	-4.69E-06	2.31E-06	1.30E-06	-1.01E-06	1.07E-06	6.01E-07	-4.65E-07	2.31E-06	1.30E-06	-1.01E-06
6076	476129.4	3849289.99	9.53E-06	5.28E-06	-4.25E-06	2.09E-06	1.18E-06	-9.12E-07	9.68E-07	5.46E-07	-4.21E-07	2.09E-06	1.18E-06	-9.12E-07
6077	476039.3	3849275.68	9.19E-06	5.09E-06	-4.10E-06	2.02E-06	1.14E-06	-8.80E-07	9.33E-07	5.26E-07	-4.07E-07	2.02E-06	1.14E-06	-8.80E-07
6078	475949.3	3849261.38	9.31E-06	5.15E-06	-4.16E-06	2.05E-06	1.15E-06	-8.93E-07	9.46E-07	5.33E-07	-4.13E-07	2.05E-06	1.15E-06	-8.93E-07
6079	475859.2	3849247.08	8.83E-06	4.88E-06	-3.95E-06	1.94E-06	1.09E-06	-8.47E-07	8.96E-07	5.05E-07	-3.91E-07	1.94E-06	1.09E-06	-8.47E-07
6080	475769.2	3849232.77	8.46E-06	4.67E-06	-3.79E-06	1.86E-06	1.05E-06	-8.12E-07	8.59E-07	4.84E-07	-3.75E-07	1.86E-06	1.05E-06	-8.12E-07
6081	475585.2	3849219.27	4.93E-06	2.73E-06	-2.20E-06	1.08E-06	6.10E-07	-4.72E-07	5.00E-07	2.82E-07	-2.18E-07	1.08E-06	6.10E-07	-4.72E-07
6082	475444.5	3849150.34	9.72E-06	5.37E-06	-4.35E-06	2.14E-06	1.20E-06	-9.32E-07	9.87E-07	5.56E-07	-4.31E-07	2.14E-06	1.20E-06	-9.32E-07
6083	475334.2	3849118.71	8.09E-06	4.47E-06	-3.62E-06	1.78E-06	1.00E-06	-7.76E-07	8.21E-07	4.63E-07	-3.59E-07	1.78E-06	1.00E-06	-7.76E-07
6084	475230.5	3849060.57	9.52E-06	5.26E-06	-4.26E-06	2.09E-06	1.18E-06	-9.13E-07	9.66E-07	5.44E-07	-4.22E-07	2.09E-06	1.18E-06	-9.13E-07
6085	475110.9	3848960.97	1.10E-05	6.08E-06	-4.89E-06	2.41E-06	1.36E-06	-1.05E-06	1.11E-06	6.30E-07	-4.85E-07	2.41E-06	1.36E-06	-1.05E-06
6086	475037.8	3848896.28	1.15E-05	6.38E-06	-5.13E-06	2.53E-06	1.43E-06	-1.10E-06	1.17E-06	6.60E-07	-5.08E-07	2.53E-06	1.43E-06	-1.10E-06
6087	474964.7	3848831.59	1.20E-05	6.64E-06	-5.34E-06	2.63E-06	1.49E-06	-1.15E-06	1.22E-06	6.87E-07	-5.30E-07	2.63E-06	1.49E-06	-1.15E-06
6088	474891.7	3848766.9	1.23E-05	6.80E-06	-5.47E-06	2.70E-06	1.52E-06	-1.17E-06	1.25E-06	7.04E-07	-5.42E-07	2.70E-06	1.52E-06	-1.17E-06

6089	474818.6	3848702.22	1.28E-05	7.07E-06	-5.69E-06	2.80E-06	1.58E-06	-1.22E-06	1.30E-06	7.32E-07	-5.64E-07	2.80E-06	1.58E-06	-1.22E-06
6090	474745.5	3848637.53	1.23E-05	6.83E-06	-5.50E-06	2.71E-06	1.53E-06	-1.18E-06	1.25E-06	7.07E-07	-5.45E-07	2.71E-06	1.53E-06	-1.18E-06
6091	474672.4	3848572.84	1.26E-05	6.99E-06	-5.63E-06	2.77E-06	1.57E-06	-1.21E-06	1.28E-06	7.24E-07	-5.58E-07	2.77E-06	1.57E-06	-1.21E-06
6092	474599.4	3848508.15	1.34E-05	7.43E-06	-5.99E-06	2.95E-06	1.66E-06	-1.28E-06	1.36E-06	7.69E-07	-5.93E-07	2.95E-06	1.66E-06	-1.28E-06
6093	474526.3	3848443.46	1.38E-05	7.65E-06	-6.17E-06	3.04E-06	1.71E-06	-1.32E-06	1.40E-06	7.92E-07	-6.11E-07	3.04E-06	1.71E-06	-1.32E-06

			2028	RD	2033	RD	2048	RD
	Period	Rates (g/s):	2.95E-02		3.01E-02		3.00E-02	
	Concentration [ug/m^3] at 1 g/s							
	X, Y	Leads (SLINE1A, 1B)	Leads		Leads		Leads	
1	485973.61, 3854936.51	0.04021	1.18E-03		1.21E-03		1.21E-03	
2	486023.61, 3854936.51	0.03995	1.18E-03		1.20E-03		1.20E-03	
3	486073.61, 3854936.51	0.03986	1.17E-03		1.20E-03		1.20E-03	
4	486123.61, 3854936.51	0.03931	1.16E-03		1.18E-03		1.18E-03	
5	486173.61, 3854936.51	0.03944	1.16E-03		1.19E-03		1.18E-03	
6	486223.61, 3854936.51	0.03916	1.15E-03		1.18E-03		1.18E-03	
7	486273.61, 3854936.51	0.03901	1.15E-03		1.17E-03		1.17E-03	
8	486323.61, 3854936.51	0.03889	1.15E-03		1.17E-03		1.17E-03	
9	485973.61, 3854986.51	0.03975	1.17E-03		1.20E-03		1.19E-03	
10	486023.61, 3854986.51	0.03959	1.17E-03		1.19E-03		1.19E-03	
11	486073.61, 3854986.51	0.03932	1.16E-03		1.18E-03		1.18E-03	
12	486123.61, 3854986.51	0.03906	1.15E-03		1.17E-03		1.17E-03	
13	486173.61, 3854986.51	0.03903	1.15E-03		1.17E-03		1.17E-03	
14	486223.61, 3854986.51	0.03873	1.14E-03		1.16E-03		1.16E-03	
15	486273.61, 3854986.51	0.03837	1.13E-03		1.15E-03		1.15E-03	
16	486323.61, 3854986.51	0.03856	1.14E-03		1.16E-03		1.16E-03	
17	485973.61, 3855036.51	0.03936	1.16E-03		1.18E-03		1.18E-03	
18	486023.61, 3855036.51	0.03915	1.15E-03		1.18E-03		1.18E-03	
19	486073.61, 3855036.51	0.03878	1.14E-03		1.17E-03		1.16E-03	
20	486123.61, 3855036.51	0.03856	1.14E-03		1.16E-03		1.16E-03	
21	486173.61, 3855036.51	0.03855	1.14E-03		1.16E-03		1.16E-03	
22	486223.61, 3855036.51	0.03818	1.13E-03		1.15E-03		1.15E-03	
23	486273.61, 3855036.51	0.03821	1.13E-03		1.15E-03		1.15E-03	
24	486323.61, 3855036.51	0.03798	1.12E-03		1.14E-03		1.14E-03	
25	485973.61, 3855086.51	0.03887	1.15E-03		1.17E-03		1.17E-03	
26	486023.61, 3855086.51	0.03876	1.14E-03		1.17E-03		1.16E-03	
27	486073.61, 3855086.51	0.0384	1.13E-03		1.15E-03		1.15E-03	
28	486123.61, 3855086.51	0.0383	1.13E-03		1.15E-03		1.15E-03	
29	486173.61, 3855086.51	0.03798	1.12E-03		1.14E-03		1.14E-03	
30	486223.61, 3855086.51	0.03786	1.12E-03		1.14E-03		1.14E-03	
31	485973.61, 3855136.51	0.03851	1.13E-03		1.16E-03		1.16E-03	
32	486023.61, 3855136.51	0.03831	1.13E-03		1.15E-03		1.15E-03	
33	486073.61, 3855136.51	0.03808	1.12E-03		1.14E-03		1.14E-03	
34	486123.61, 3855136.51	0.0379	1.12E-03		1.14E-03		1.14E-03	
35	486173.61, 3855136.51	0.03765	1.11E-03		1.13E-03		1.13E-03	
36	486223.61, 3855136.51	0.03746	1.10E-03		1.13E-03		1.13E-03	
37	485973.61, 3855186.51	0.03815	1.12E-03		1.15E-03		1.15E-03	
38	486023.61, 3855186.51	0.03797	1.12E-03		1.14E-03		1.14E-03	
39	486073.61, 3855186.51	0.03765	1.11E-03		1.13E-03		1.13E-03	
40	486123.61, 3855186.51	0.03735	1.10E-03		1.12E-03		1.12E-03	
41	486173.61, 3855186.51	0.03717	1.10E-03		1.12E-03		1.12E-03	
42	486223.61, 3855186.51	0.03698	1.09E-03		1.11E-03		1.11E-03	
43	486273.61, 3855186.51	0.03675	1.08E-03		1.11E-03		1.10E-03	
44	486323.61, 3855186.51	0.03701	1.09E-03		1.11E-03		1.11E-03	
45	485973.61, 3855236.51	0.03774	1.11E-03		1.13E-03		1.13E-03	
46	486023.61, 3855236.51	0.03745	1.10E-03		1.13E-03		1.12E-03	
47	486073.61, 3855236.51	0.03712	1.09E-03		1.12E-03		1.11E-03	
48	486123.61, 3855236.51	0.03691	1.09E-03		1.11E-03		1.11E-03	
49	486173.61, 3855236.51	0.03674	1.08E-03		1.10E-03		1.10E-03	
50	486223.61, 3855236.51	0.03652	1.08E-03		1.10E-03		1.10E-03	
51	486273.61, 3855236.51	0.03608	1.06E-03		1.08E-03		1.08E-03	
52	486323.61, 3855236.51	0.03656	1.08E-03		1.10E-03		1.10E-03	
53	485973.61, 3855286.51	0.03732	1.10E-03		1.12E-03		1.12E-03	
54	486023.61, 3855286.51	0.03699	1.09E-03		1.11E-03		1.11E-03	
55	486073.61, 3855286.51	0.03672	1.08E-03		1.10E-03		1.10E-03	
56	486123.61, 3855286.51	0.03643	1.07E-03		1.10E-03		1.09E-03	
57	486173.61, 3855286.51	0.03618	1.07E-03		1.09E-03		1.09E-03	

58	486223.61, 3855286.51	0.03605	1.06E-03	1.08E-03	1.08E-03
59	486123.61, 3855336.51	0.03596	1.06E-03	1.08E-03	1.08E-03
60	486173.61, 3855336.51	0.03579	1.05E-03	1.08E-03	1.07E-03
61	486223.61, 3855336.51	0.03559	1.05E-03	1.07E-03	1.07E-03
62	486123.61, 3855386.51	0.03555	1.05E-03	1.07E-03	1.07E-03
63	486173.61, 3855386.51	0.03537	1.04E-03	1.06E-03	1.06E-03
64	486223.61, 3855386.51	0.03521	1.04E-03	1.06E-03	1.06E-03
65	486533.18, 3855443.15	0.03422	1.01E-03	1.03E-03	1.03E-03
66	486583.18, 3855443.15	0.03407	1.00E-03	1.02E-03	1.02E-03
67	486633.18, 3855443.15	0.03392	9.99E-04	1.02E-03	1.02E-03
68	486683.18, 3855443.15	0.03387	9.98E-04	1.02E-03	1.02E-03
69	486533.18, 3855493.15	0.0338	9.96E-04	1.02E-03	1.02E-03
70	486583.18, 3855493.15	0.0337	9.93E-04	1.01E-03	1.01E-03
71	486633.18, 3855493.15	0.03357	9.89E-04	1.01E-03	1.01E-03
72	486683.18, 3855493.15	0.03344	9.85E-04	1.01E-03	1.00E-03
73	486533.18, 3855543.15	0.03346	9.86E-04	1.01E-03	1.00E-03
74	486583.18, 3855543.15	0.03325	9.80E-04	1.00E-03	9.99E-04
75	486633.18, 3855543.15	0.03315	9.77E-04	9.97E-04	9.96E-04
76	486683.18, 3855543.15	0.03291	9.70E-04	9.90E-04	9.88E-04
77	486533.18, 3855593.15	0.03305	9.74E-04	9.94E-04	9.93E-04
78	486583.18, 3855593.15	0.03289	9.69E-04	9.89E-04	9.88E-04
79	486633.18, 3855593.15	0.03276	9.65E-04	9.85E-04	9.84E-04
80	486683.18, 3855593.15	0.03267	9.63E-04	9.82E-04	9.81E-04
81	486533.18, 3855643.15	0.03269	9.63E-04	9.83E-04	9.82E-04
82	486583.18, 3855643.15	0.03256	9.59E-04	9.79E-04	9.78E-04
83	486633.18, 3855643.15	0.03242	9.55E-04	9.75E-04	9.74E-04
84	486683.18, 3855643.15	0.0323	9.52E-04	9.71E-04	9.70E-04
85	486533.18, 3855693.15	0.03242	9.55E-04	9.75E-04	9.74E-04
86	486583.18, 3855693.15	0.03218	9.48E-04	9.68E-04	9.66E-04
87	486633.18, 3855693.15	0.03193	9.41E-04	9.60E-04	9.59E-04
88	486683.18, 3855693.15	0.03194	9.41E-04	9.60E-04	9.59E-04
89	486733.18, 3855693.15	0.03206	9.45E-04	9.64E-04	9.63E-04
90	486783.18, 3855693.15	0.03223	9.50E-04	9.69E-04	9.68E-04
91	486533.18, 3855743.15	0.0321	9.46E-04	9.65E-04	9.64E-04
92	486583.18, 3855743.15	0.03177	9.36E-04	9.55E-04	9.54E-04
93	486633.18, 3855743.15	0.03161	9.31E-04	9.50E-04	9.49E-04
94	486683.18, 3855743.15	0.03169	9.34E-04	9.53E-04	9.52E-04
95	486733.18, 3855743.15	0.03168	9.33E-04	9.53E-04	9.51E-04
96	486783.18, 3855743.15	0.03191	9.40E-04	9.59E-04	9.58E-04
97	486533.18, 3855793.15	0.03182	9.38E-04	9.57E-04	9.56E-04
98	486583.18, 3855793.15	0.03135	9.24E-04	9.43E-04	9.42E-04
99	486633.18, 3855793.15	0.0314	9.25E-04	9.44E-04	9.43E-04
100	486683.18, 3855793.15	0.03148	9.28E-04	9.47E-04	9.45E-04
101	486733.18, 3855793.15	0.03151	9.28E-04	9.47E-04	9.46E-04
102	486783.18, 3855793.15	0.03157	9.30E-04	9.49E-04	9.48E-04
103	486533.18, 3855843.15	0.03146	9.27E-04	9.46E-04	9.45E-04
104	486583.18, 3855843.15	0.03112	9.17E-04	9.36E-04	9.35E-04
105	486633.18, 3855843.15	0.03116	9.18E-04	9.37E-04	9.36E-04
106	486683.18, 3855843.15	0.03122	9.20E-04	9.39E-04	9.38E-04
107	486733.18, 3855843.15	0.03128	9.22E-04	9.41E-04	9.39E-04
108	486783.18, 3855843.15	0.03132	9.23E-04	9.42E-04	9.41E-04
109	486533.18, 3855893.15	0.031	9.13E-04	9.32E-04	9.31E-04
110	486583.18, 3855893.15	0.03097	9.13E-04	9.31E-04	9.30E-04
111	486633.18, 3855893.15	0.03094	9.12E-04	9.30E-04	9.29E-04
112	486683.18, 3855893.15	0.03098	9.13E-04	9.32E-04	9.30E-04
113	486733.18, 3855893.15	0.03103	9.14E-04	9.33E-04	9.32E-04
114	486783.18, 3855893.15	0.03112	9.17E-04	9.36E-04	9.35E-04
115	486533.18, 3855943.15	0.03079	9.07E-04	9.26E-04	9.25E-04
116	486583.18, 3855943.15	0.03084	9.09E-04	9.27E-04	9.26E-04
117	486633.18, 3855943.15	0.03076	9.06E-04	9.25E-04	9.24E-04
118	486683.18, 3855943.15	0.03081	9.08E-04	9.26E-04	9.25E-04

119	486733.18, 3855943.15	0.0308	9.08E-04	9.26E-04	9.25E-04
120	486783.18, 3855943.15	0.03089	9.10E-04	9.29E-04	9.28E-04
121	486533.18, 3855993.15	0.0307	9.05E-04	9.23E-04	9.22E-04
122	486583.18, 3855993.15	0.03066	9.03E-04	9.22E-04	9.21E-04
123	486633.18, 3855993.15	0.03061	9.02E-04	9.20E-04	9.19E-04
124	486683.18, 3855993.15	0.03063	9.03E-04	9.21E-04	9.20E-04
125	486733.18, 3855993.15	0.03062	9.02E-04	9.21E-04	9.20E-04
126	486783.18, 3855993.15	0.03066	9.03E-04	9.22E-04	9.21E-04
127	486533.18, 3856043.15	0.03062	9.02E-04	9.21E-04	9.20E-04
128	486583.18, 3856043.15	0.03059	9.01E-04	9.20E-04	9.19E-04
129	486633.18, 3856043.15	0.03049	8.98E-04	9.17E-04	9.16E-04
130	486683.18, 3856043.15	0.0305	8.99E-04	9.17E-04	9.16E-04
131	486733.18, 3856043.15	0.03045	8.97E-04	9.16E-04	9.14E-04
132	486783.18, 3856043.15	0.03052	8.99E-04	9.18E-04	9.17E-04
133	486533.18, 3856093.15	0.0306	9.02E-04	9.20E-04	9.19E-04
134	486583.18, 3856093.15	0.03051	8.99E-04	9.17E-04	9.16E-04
135	486633.18, 3856093.15	0.03042	8.96E-04	9.15E-04	9.14E-04
136	486683.18, 3856093.15	0.03039	8.95E-04	9.14E-04	9.13E-04
137	486733.18, 3856093.15	0.03034	8.94E-04	9.12E-04	9.11E-04
138	486783.18, 3856093.15	0.03035	8.94E-04	9.13E-04	9.11E-04
139	486533.18, 3856143.15	0.03056	9.00E-04	9.19E-04	9.18E-04
140	486583.18, 3856143.15	0.03043	8.97E-04	9.15E-04	9.14E-04
141	486633.18, 3856143.15	0.03037	8.95E-04	9.13E-04	9.12E-04
142	486683.18, 3856143.15	0.0303	8.93E-04	9.11E-04	9.10E-04
143	486733.18, 3856143.15	0.03025	8.91E-04	9.10E-04	9.08E-04
144	486783.18, 3856143.15	0.0303	8.93E-04	9.11E-04	9.10E-04
145	486533.18, 3856193.15	0.03057	9.01E-04	9.19E-04	9.18E-04
146	486583.18, 3856193.15	0.0304	8.96E-04	9.14E-04	9.13E-04
147	486633.18, 3856193.15	0.03034	8.94E-04	9.12E-04	9.11E-04
148	486683.18, 3856193.15	0.03032	8.93E-04	9.12E-04	9.11E-04
149	486733.18, 3856193.15	0.03022	8.90E-04	9.09E-04	9.08E-04
150	486783.18, 3856193.15	0.03024	8.91E-04	9.09E-04	9.08E-04
151	486533.18, 3856243.15	0.03054	9.00E-04	9.18E-04	9.17E-04
152	486583.18, 3856243.15	0.03044	8.97E-04	9.15E-04	9.14E-04
153	486633.18, 3856243.15	0.03035	8.94E-04	9.13E-04	9.11E-04
154	486683.18, 3856243.15	0.03028	8.92E-04	9.10E-04	9.09E-04
155	486733.18, 3856243.15	0.03025	8.91E-04	9.10E-04	9.08E-04
156	486783.18, 3856243.15	0.03019	8.90E-04	9.08E-04	9.07E-04
157	486533.18, 3856293.15	0.03052	8.99E-04	9.18E-04	9.17E-04
158	486583.18, 3856293.15	0.03043	8.97E-04	9.15E-04	9.14E-04
159	486633.18, 3856293.15	0.03036	8.95E-04	9.13E-04	9.12E-04
160	486683.18, 3856293.15	0.03029	8.93E-04	9.11E-04	9.10E-04
161	486733.18, 3856293.15	0.03028	8.92E-04	9.10E-04	9.09E-04
162	486783.18, 3856293.15	0.0302	8.90E-04	9.08E-04	9.07E-04
163	486783.18, 3856343.15	0.03028	8.92E-04	9.10E-04	9.09E-04
164	486833.18, 3856343.15	0.03022	8.90E-04	9.09E-04	9.08E-04
165	486883.18, 3856343.15	0.03018	8.89E-04	9.07E-04	9.06E-04
166	486783.18, 3856393.15	0.03028	8.92E-04	9.10E-04	9.09E-04
167	486833.18, 3856393.15	0.03024	8.91E-04	9.09E-04	9.08E-04
168	486883.18, 3856393.15	0.03015	8.88E-04	9.07E-04	9.05E-04
169	487208.74, 3856886.11	0.03092	9.11E-04	9.30E-04	9.29E-04
170	487258.74, 3856886.11	0.03088	9.10E-04	9.29E-04	9.27E-04
171	487308.74, 3856886.11	0.03083	9.08E-04	9.27E-04	9.26E-04
172	487358.74, 3856886.11	0.03076	9.06E-04	9.25E-04	9.24E-04
173	487208.74, 3856936.11	0.03107	9.16E-04	9.34E-04	9.33E-04
174	487258.74, 3856936.11	0.03106	9.15E-04	9.34E-04	9.33E-04
175	487308.74, 3856936.11	0.03104	9.15E-04	9.33E-04	9.32E-04
176	487358.74, 3856936.11	0.03099	9.13E-04	9.32E-04	9.31E-04
177	487208.74, 3856986.11	0.03117	9.18E-04	9.37E-04	9.36E-04
178	487258.74, 3856986.11	0.03126	9.21E-04	9.40E-04	9.39E-04
179	487308.74, 3856986.11	0.03125	9.21E-04	9.40E-04	9.39E-04

180 487358.74, 3856986.11	0.03125	9.21E-04	9.40E-04	9.39E-04
181 487208.74, 3857036.11	0.03126	9.21E-04	9.40E-04	9.39E-04
182 487258.74, 3857036.11	0.03139	9.25E-04	9.44E-04	9.43E-04
183 487308.74, 3857036.11	0.03149	9.28E-04	9.47E-04	9.46E-04
184 487358.74, 3857036.11	0.03152	9.29E-04	9.48E-04	9.47E-04
185 487427.14, 3856878.23	0.03072	9.05E-04	9.24E-04	9.23E-04
186 487477.14, 3856878.23	0.03071	9.05E-04	9.23E-04	9.22E-04
187 487527.14, 3856878.23	0.0307	9.05E-04	9.23E-04	9.22E-04
188 487427.14, 3856928.23	0.03093	9.11E-04	9.30E-04	9.29E-04
189 487477.14, 3856928.23	0.03088	9.10E-04	9.29E-04	9.27E-04
190 487527.14, 3856928.23	0.03088	9.10E-04	9.29E-04	9.27E-04
191 487577.14, 3856928.23	0.03089	9.10E-04	9.29E-04	9.28E-04
192 487627.14, 3856928.23	0.03087	9.10E-04	9.28E-04	9.27E-04
193 487677.14, 3856928.23	0.03095	9.12E-04	9.31E-04	9.30E-04
194 487727.14, 3856928.23	0.03106	9.15E-04	9.34E-04	9.33E-04
195 487777.14, 3856928.23	0.03114	9.18E-04	9.36E-04	9.35E-04
196 487427.14, 3856978.23	0.03115	9.18E-04	9.37E-04	9.36E-04
197 487477.14, 3856978.23	0.03114	9.18E-04	9.36E-04	9.35E-04
198 487527.14, 3856978.23	0.03113	9.17E-04	9.36E-04	9.35E-04
199 487577.14, 3856978.23	0.03112	9.17E-04	9.36E-04	9.35E-04
200 487627.14, 3856978.23	0.03108	9.16E-04	9.35E-04	9.33E-04
201 487677.14, 3856978.23	0.03114	9.18E-04	9.36E-04	9.35E-04
202 487727.14, 3856978.23	0.03109	9.16E-04	9.35E-04	9.34E-04
203 487777.14, 3856978.23	0.03134	9.23E-04	9.42E-04	9.41E-04
204 487427.14, 3857028.23	0.03145	9.27E-04	9.46E-04	9.45E-04
205 487477.14, 3857028.23	0.03143	9.26E-04	9.45E-04	9.44E-04
206 487527.14, 3857028.23	0.03139	9.25E-04	9.44E-04	9.43E-04
207 487577.14, 3857028.23	0.03138	9.25E-04	9.44E-04	9.42E-04
208 487627.14, 3857028.23	0.03133	9.23E-04	9.42E-04	9.41E-04
209 487677.14, 3857028.23	0.03135	9.24E-04	9.43E-04	9.42E-04
210 487727.14, 3857028.23	0.03144	9.26E-04	9.45E-04	9.44E-04
211 487777.14, 3857028.23	0.03152	9.29E-04	9.48E-04	9.47E-04
212 487427.14, 3857078.23	0.03174	9.35E-04	9.54E-04	9.53E-04
213 487477.14, 3857078.23	0.03171	9.34E-04	9.53E-04	9.52E-04
214 487527.14, 3857078.23	0.0317	9.34E-04	9.53E-04	9.52E-04
215 487577.14, 3857078.23	0.03167	9.33E-04	9.52E-04	9.51E-04
216 487627.14, 3857078.23	0.03164	9.32E-04	9.51E-04	9.50E-04
217 487677.14, 3857078.23	0.03164	9.32E-04	9.51E-04	9.50E-04
218 487727.14, 3857078.23	0.03169	9.34E-04	9.53E-04	9.52E-04
219 487777.14, 3857078.23	0.03172	9.35E-04	9.54E-04	9.53E-04
220 487427.14, 3857128.23	0.03203	9.44E-04	9.63E-04	9.62E-04
221 487477.14, 3857128.23	0.03202	9.44E-04	9.63E-04	9.62E-04
222 487527.14, 3857128.23	0.03199	9.43E-04	9.62E-04	9.61E-04
223 487577.14, 3857128.23	0.03198	9.42E-04	9.62E-04	9.60E-04
224 487627.14, 3857128.23	0.03197	9.42E-04	9.61E-04	9.60E-04
225 487677.14, 3857128.23	0.03193	9.41E-04	9.60E-04	9.59E-04
226 487727.14, 3857128.23	0.032	9.43E-04	9.62E-04	9.61E-04
227 487777.14, 3857128.23	0.032	9.43E-04	9.62E-04	9.61E-04
228 488049.44, 3856539.39	0.03031	8.93E-04	9.11E-04	9.10E-04
229 488099.44, 3856539.39	0.03021	8.90E-04	9.08E-04	9.07E-04
230 488149.44, 3856539.39	0.03017	8.89E-04	9.07E-04	9.06E-04
231 488049.44, 3856589.39	0.03037	8.95E-04	9.13E-04	9.12E-04
232 488099.44, 3856589.39	0.03028	8.92E-04	9.10E-04	9.09E-04
233 488149.44, 3856589.39	0.03021	8.90E-04	9.08E-04	9.07E-04
234 488199.44, 3856589.39	0.03011	8.87E-04	9.05E-04	9.04E-04
235 488249.44, 3856589.39	0.03015	8.88E-04	9.07E-04	9.05E-04
236 488049.44, 3856639.39	0.03045	8.97E-04	9.16E-04	9.14E-04
237 488099.44, 3856639.39	0.03035	8.94E-04	9.13E-04	9.11E-04
238 488149.44, 3856639.39	0.03027	8.92E-04	9.10E-04	9.09E-04
239 488199.44, 3856639.39	0.03023	8.91E-04	9.09E-04	9.08E-04
240 488249.44, 3856639.39	0.03018	8.89E-04	9.07E-04	9.06E-04

241	488299.44, 3856639.39	0.03013	8.88E-04	9.06E-04	9.05E-04
242	488349.44, 3856639.39	0.03006	8.86E-04	9.04E-04	9.03E-04
243	488399.44, 3856639.39	0.03007	8.86E-04	9.04E-04	9.03E-04
244	488099.44, 3856689.39	0.03049	8.98E-04	9.17E-04	9.16E-04
245	488149.44, 3856689.39	0.03038	8.95E-04	9.13E-04	9.12E-04
246	488199.44, 3856689.39	0.03033	8.94E-04	9.12E-04	9.11E-04
247	488249.44, 3856689.39	0.03024	8.91E-04	9.09E-04	9.08E-04
248	488299.44, 3856689.39	0.03023	8.91E-04	9.09E-04	9.08E-04
249	488349.44, 3856689.39	0.03015	8.88E-04	9.07E-04	9.05E-04
250	488399.44, 3856689.39	0.03002	8.85E-04	9.03E-04	9.02E-04
251	488099.44, 3856739.39	0.03068	9.04E-04	9.22E-04	9.21E-04
252	488149.44, 3856739.39	0.03054	9.00E-04	9.18E-04	9.17E-04
253	488199.44, 3856739.39	0.03051	8.99E-04	9.17E-04	9.16E-04
254	488249.44, 3856739.39	0.03041	8.96E-04	9.14E-04	9.13E-04
255	488299.44, 3856739.39	0.03025	8.91E-04	9.10E-04	9.08E-04
256	488349.44, 3856739.39	0.03028	8.92E-04	9.10E-04	9.09E-04
257	488399.44, 3856739.39	0.03031	8.93E-04	9.11E-04	9.10E-04
258	487999.44, 3856789.39	0.03094	9.12E-04	9.30E-04	9.29E-04
259	488049.44, 3856789.39	0.03087	9.10E-04	9.28E-04	9.27E-04
260	488099.44, 3856789.39	0.03084	9.09E-04	9.27E-04	9.26E-04
261	488149.44, 3856789.39	0.03073	9.06E-04	9.24E-04	9.23E-04
262	488199.44, 3856789.39	0.03067	9.04E-04	9.22E-04	9.21E-04
263	488249.44, 3856789.39	0.03058	9.01E-04	9.19E-04	9.18E-04
264	488299.44, 3856789.39	0.03045	8.97E-04	9.16E-04	9.14E-04
265	488349.44, 3856789.39	0.03048	8.98E-04	9.16E-04	9.15E-04
266	488399.44, 3856789.39	0.03046	8.98E-04	9.16E-04	9.15E-04
267	487949.44, 3856839.39	0.03114	9.18E-04	9.36E-04	9.35E-04
268	487999.44, 3856839.39	0.03112	9.17E-04	9.36E-04	9.35E-04
269	488049.44, 3856839.39	0.03105	9.15E-04	9.34E-04	9.33E-04
270	488099.44, 3856839.39	0.031	9.13E-04	9.32E-04	9.31E-04
271	488149.44, 3856839.39	0.03095	9.12E-04	9.31E-04	9.30E-04
272	488199.44, 3856839.39	0.03089	9.10E-04	9.29E-04	9.28E-04
273	487949.44, 3856889.39	0.03127	9.21E-04	9.40E-04	9.39E-04
274	487999.44, 3856889.39	0.03133	9.23E-04	9.42E-04	9.41E-04
275	488049.44, 3856889.39	0.03123	9.20E-04	9.39E-04	9.38E-04
276	488099.44, 3856889.39	0.03123	9.20E-04	9.39E-04	9.38E-04
277	488635.86, 3857895.05	0.0459	1.35E-03	1.38E-03	1.38E-03
278	489137.64, 3857804.15	0.04254	1.25E-03	1.28E-03	1.28E-03
279	488617.32, 3857859.41	0.04471	1.32E-03	1.34E-03	1.34E-03
280	488667.32, 3857859.41	0.04479	1.32E-03	1.35E-03	1.35E-03
281	488717.32, 3857859.41	0.04499	1.33E-03	1.35E-03	1.35E-03
282	488767.32, 3857859.41	0.04535	1.34E-03	1.36E-03	1.36E-03
283	488617.32, 3857909.41	0.04635	1.37E-03	1.39E-03	1.39E-03
284	488667.32, 3857909.41	0.04685	1.38E-03	1.41E-03	1.41E-03
285	488717.32, 3857909.41	0.04662	1.37E-03	1.40E-03	1.40E-03
286	488767.32, 3857909.41	0.04707	1.39E-03	1.42E-03	1.41E-03
287	488417.32, 3857959.41	0.04771	1.41E-03	1.43E-03	1.43E-03
288	488467.32, 3857959.41	0.04788	1.41E-03	1.44E-03	1.44E-03
289	488517.32, 3857959.41	0.04807	1.42E-03	1.45E-03	1.44E-03
290	488567.32, 3857959.41	0.0482	1.42E-03	1.45E-03	1.45E-03
291	488617.32, 3857959.41	0.04829	1.42E-03	1.45E-03	1.45E-03
292	488667.32, 3857959.41	0.04844	1.43E-03	1.46E-03	1.45E-03
293	488717.32, 3857959.41	0.04867	1.43E-03	1.46E-03	1.46E-03
294	488767.32, 3857959.41	0.04886	1.44E-03	1.47E-03	1.47E-03
295	488417.32, 3858009.41	0.04964	1.46E-03	1.49E-03	1.49E-03
296	488467.32, 3858009.41	0.04993	1.47E-03	1.50E-03	1.50E-03
297	488517.32, 3858009.41	0.05003	1.47E-03	1.50E-03	1.50E-03
298	488567.32, 3858009.41	0.05017	1.48E-03	1.51E-03	1.51E-03
299	488617.32, 3858009.41	0.05022	1.48E-03	1.51E-03	1.51E-03
300	488667.32, 3858009.41	0.05033	1.48E-03	1.51E-03	1.51E-03
301	488717.32, 3858009.41	0.05053	1.49E-03	1.52E-03	1.52E-03

302 488767.32, 3858009.41	0.05074	1.50E-03	1.53E-03	1.52E-03
303 488417.32, 3858059.41	0.05179	1.53E-03	1.56E-03	1.56E-03
304 488467.32, 3858059.41	0.05206	1.53E-03	1.57E-03	1.56E-03
305 488517.32, 3858059.41	0.05225	1.54E-03	1.57E-03	1.57E-03
306 488567.32, 3858059.41	0.05234	1.54E-03	1.57E-03	1.57E-03
307 488617.32, 3858059.41	0.05245	1.55E-03	1.58E-03	1.58E-03
308 488667.32, 3858059.41	0.05256	1.55E-03	1.58E-03	1.58E-03
309 488417.32, 3858109.41	0.05389	1.59E-03	1.62E-03	1.62E-03
310 488467.32, 3858109.41	0.05432	1.60E-03	1.63E-03	1.63E-03
311 488517.32, 3858109.41	0.05463	1.61E-03	1.64E-03	1.64E-03
312 488567.32, 3858109.41	0.05474	1.61E-03	1.65E-03	1.64E-03
313 488617.32, 3858109.41	0.05488	1.62E-03	1.65E-03	1.65E-03
314 488667.32, 3858109.41	0.05496	1.62E-03	1.65E-03	1.65E-03
315 488769.93, 3858449.27	0.08475	2.50E-03	2.55E-03	2.55E-03
316 488819.93, 3858449.27	0.08528	2.51E-03	2.56E-03	2.56E-03
317 488819.93, 3858499.27	0.09342	2.75E-03	2.81E-03	2.81E-03
318 488869.93, 3858499.27	0.09375	2.76E-03	2.82E-03	2.82E-03
319 488869.93, 3858549.27	0.10399	3.06E-03	3.13E-03	3.12E-03
320 489438.17, 3859571.48	0.36786	1.08E-02	1.11E-02	1.10E-02
321 489488.17, 3859571.48	0.40069	1.18E-02	1.20E-02	1.20E-02
322 489538.17, 3859571.48	0.43861	1.29E-02	1.32E-02	1.32E-02
323 489588.17, 3859571.48	0.48033	1.42E-02	1.44E-02	1.44E-02
324 489438.17, 3859621.48	0.32344	9.53E-03	9.73E-03	9.71E-03
325 489488.17, 3859621.48	0.34848	1.03E-02	1.05E-02	1.05E-02
326 489538.17, 3859621.48	0.37754	1.11E-02	1.14E-02	1.13E-02
327 489588.17, 3859621.48	0.41267	1.22E-02	1.24E-02	1.24E-02
328 489238.17, 3859671.48	0.22515	6.63E-03	6.77E-03	6.76E-03
329 489288.17, 3859671.48	0.23824	7.02E-03	7.16E-03	7.15E-03
330 489338.17, 3859671.48	0.25345	7.47E-03	7.62E-03	7.61E-03
331 489388.17, 3859671.48	0.27134	8.00E-03	8.16E-03	8.15E-03
332 489438.17, 3859671.48	0.28908	8.52E-03	8.69E-03	8.68E-03
333 489488.17, 3859671.48	0.31112	9.17E-03	9.35E-03	9.34E-03
334 489538.17, 3859671.48	0.33473	9.86E-03	1.01E-02	1.01E-02
335 489588.17, 3859671.48	0.36181	1.07E-02	1.09E-02	1.09E-02
336 489238.17, 3859721.48	0.20801	6.13E-03	6.25E-03	6.25E-03
337 489288.17, 3859721.48	0.22051	6.50E-03	6.63E-03	6.62E-03
338 489338.17, 3859721.48	0.23325	6.87E-03	7.01E-03	7.01E-03
339 489388.17, 3859721.48	0.24712	7.28E-03	7.43E-03	7.42E-03
340 489438.17, 3859721.48	0.26201	7.72E-03	7.88E-03	7.87E-03
341 489488.17, 3859721.48	0.28045	8.26E-03	8.43E-03	8.42E-03
342 489538.17, 3859721.48	0.29999	8.84E-03	9.02E-03	9.01E-03
343 489588.17, 3859721.48	0.32156	9.48E-03	9.67E-03	9.66E-03
344 489238.17, 3859771.48	0.19354	5.70E-03	5.82E-03	5.81E-03
345 489288.17, 3859771.48	0.20435	6.02E-03	6.14E-03	6.14E-03
346 489338.17, 3859771.48	0.21479	6.33E-03	6.46E-03	6.45E-03
347 489388.17, 3859771.48	0.22683	6.68E-03	6.82E-03	6.81E-03
348 489438.17, 3859771.48	0.23923	7.05E-03	7.19E-03	7.18E-03
349 489488.17, 3859771.48	0.25525	7.52E-03	7.67E-03	7.67E-03
350 489538.17, 3859771.48	0.27181	8.01E-03	8.17E-03	8.16E-03
351 489588.17, 3859771.48	0.28886	8.51E-03	8.69E-03	8.68E-03
352 489238.17, 3859821.48	0.18059	5.32E-03	5.43E-03	5.42E-03
353 489288.17, 3859821.48	0.19016	5.60E-03	5.72E-03	5.71E-03
354 489338.17, 3859821.48	0.19941	5.88E-03	6.00E-03	5.99E-03
355 489388.17, 3859821.48	0.20967	6.18E-03	6.30E-03	6.30E-03
356 489438.17, 3859821.48	0.22167	6.53E-03	6.67E-03	6.66E-03
357 489488.17, 3859821.48	0.2344	6.91E-03	7.05E-03	7.04E-03
358 489538.17, 3859821.48	0.24797	7.31E-03	7.46E-03	7.45E-03
359 489588.17, 3859821.48	0.26204	7.72E-03	7.88E-03	7.87E-03
360 489238.17, 3859871.48	0.16952	5.00E-03	5.10E-03	5.09E-03
361 489288.17, 3859871.48	0.17744	5.23E-03	5.34E-03	5.33E-03
362 489338.17, 3859871.48	0.18589	5.48E-03	5.59E-03	5.58E-03

363 489388.17, 3859871.48	0.19544	5.76E-03	5.88E-03	5.87E-03
364 489438.17, 3859871.48	0.20608	6.07E-03	6.20E-03	6.19E-03
365 489488.17, 3859871.48	0.21679	6.39E-03	6.52E-03	6.51E-03
366 489538.17, 3859871.48	0.22758	6.71E-03	6.84E-03	6.83E-03
367 489588.17, 3859871.48	0.2392	7.05E-03	7.19E-03	7.18E-03
368 489238.17, 3859921.48	0.16001	4.71E-03	4.81E-03	4.81E-03
369 489288.17, 3859921.48	0.16753	4.94E-03	5.04E-03	5.03E-03
370 489338.17, 3859921.48	0.17499	5.16E-03	5.26E-03	5.26E-03
371 489388.17, 3859921.48	0.18334	5.40E-03	5.51E-03	5.51E-03
372 489438.17, 3859921.48	0.19196	5.66E-03	5.77E-03	5.77E-03
373 489488.17, 3859921.48	0.20043	5.91E-03	6.03E-03	6.02E-03
374 489538.17, 3859921.48	0.20937	6.17E-03	6.30E-03	6.29E-03
375 489588.17, 3859921.48	0.2181	6.43E-03	6.56E-03	6.55E-03
376 489238.17, 3859971.48	0.15151	4.46E-03	4.56E-03	4.55E-03
377 489288.17, 3859971.48	0.15783	4.65E-03	4.75E-03	4.74E-03
378 489338.17, 3859971.48	0.16472	4.85E-03	4.95E-03	4.95E-03
379 489388.17, 3859971.48	0.17194	5.07E-03	5.17E-03	5.16E-03
380 489438.17, 3859971.48	0.17815	5.25E-03	5.36E-03	5.35E-03
381 489488.17, 3859971.48	0.18031	5.31E-03	5.42E-03	5.42E-03
382 489538.17, 3859971.48	0.18311	5.40E-03	5.51E-03	5.50E-03
383 489588.17, 3859971.48	0.18574	5.47E-03	5.58E-03	5.58E-03
384 483577.7, 3854071	0.09225	2.72E-03	2.77E-03	2.77E-03
385 483627.7, 3854071	0.09183	2.71E-03	2.76E-03	2.76E-03
386 483677.7, 3854071	0.0912	2.69E-03	2.74E-03	2.74E-03
387 483727.7, 3854071	0.0905	2.67E-03	2.72E-03	2.72E-03
388 483777.7, 3854071	0.08912	2.63E-03	2.68E-03	2.68E-03
389 483577.7, 3854121	0.08729	2.57E-03	2.62E-03	2.62E-03
390 483627.7, 3854121	0.0866	2.55E-03	2.60E-03	2.60E-03
391 483677.7, 3854121	0.08558	2.52E-03	2.57E-03	2.57E-03
392 483727.7, 3854121	0.0844	2.49E-03	2.54E-03	2.53E-03
393 483777.7, 3854121	0.08362	2.46E-03	2.51E-03	2.51E-03
394 483577.7, 3854171	0.08202	2.42E-03	2.47E-03	2.46E-03
395 483627.7, 3854171	0.08089	2.38E-03	2.43E-03	2.43E-03
396 483677.7, 3854171	0.08004	2.36E-03	2.41E-03	2.40E-03
397 483727.7, 3854171	0.07939	2.34E-03	2.39E-03	2.38E-03
398 483777.7, 3854171	0.07857	2.32E-03	2.36E-03	2.36E-03
399 483827.7, 3854171	0.07702	2.27E-03	2.32E-03	2.31E-03
400 483877.7, 3854171	0.07616	2.24E-03	2.29E-03	2.29E-03
401 483727.7, 3854221	0.07498	2.21E-03	2.25E-03	2.25E-03
402 483777.7, 3854221	0.0741	2.18E-03	2.23E-03	2.23E-03
403 483827.7, 3854221	0.07409	2.18E-03	2.23E-03	2.23E-03
404 483877.7, 3854221	0.07294	2.15E-03	2.19E-03	2.19E-03
405 489150.19, 3858726.45	0.19275	5.68E-03	5.80E-03	5.79E-03
406 489200.19, 3858726.45	0.19809	5.84E-03	5.96E-03	5.95E-03
407 489150.19, 3858776.45	0.27044	7.97E-03	8.13E-03	8.12E-03
408 489200.19, 3858776.45	0.27536	8.11E-03	8.28E-03	8.27E-03
409 488919.6, 3856400.76	0.03103	9.14E-04	9.33E-04	9.32E-04
410 488919.6, 3856450.76	0.03084	9.09E-04	9.27E-04	9.26E-04
411 488969.6, 3856450.76	0.03085	9.09E-04	9.28E-04	9.27E-04
412 488919.6, 3856500.76	0.03067	9.04E-04	9.22E-04	9.21E-04
413 488969.6, 3856500.76	0.03071	9.05E-04	9.23E-04	9.22E-04
414 488919.6, 3856550.76	0.03056	9.00E-04	9.19E-04	9.18E-04
415 488969.6, 3856550.76	0.03057	9.01E-04	9.19E-04	9.18E-04
416 488819.6, 3856600.76	0.03036	8.95E-04	9.13E-04	9.12E-04
417 488869.6, 3856600.76	0.03039	8.95E-04	9.14E-04	9.13E-04
418 488919.6, 3856600.76	0.03043	8.97E-04	9.15E-04	9.14E-04
419 488819.6, 3856650.76	0.03027	8.92E-04	9.10E-04	9.09E-04
420 488869.6, 3856650.76	0.0303	8.93E-04	9.11E-04	9.10E-04
421 488819.6, 3856700.76	0.03024	8.91E-04	9.09E-04	9.08E-04
422 488869.6, 3856700.76	0.03026	8.92E-04	9.10E-04	9.09E-04
423 488819.6, 3856750.76	0.03022	8.90E-04	9.09E-04	9.08E-04

424 488869.6, 3856750.76	0.03026	8.92E-04	9.10E-04	9.09E-04
425 488819.6, 3857050.76	0.03124	9.21E-04	9.39E-04	9.38E-04
426 488869.6, 3857050.76	0.03119	9.19E-04	9.38E-04	9.37E-04
427 488919.6, 3857050.76	0.03113	9.17E-04	9.36E-04	9.35E-04
428 488819.6, 3857100.76	0.03162	9.32E-04	9.51E-04	9.50E-04
429 488869.6, 3857100.76	0.03152	9.29E-04	9.48E-04	9.47E-04
430 488919.6, 3857100.76	0.03147	9.27E-04	9.46E-04	9.45E-04
431 488819.6, 3857150.76	0.03206	9.45E-04	9.64E-04	9.63E-04
432 488869.6, 3857150.76	0.03196	9.42E-04	9.61E-04	9.60E-04
433 488919.6, 3857150.76	0.03185	9.39E-04	9.58E-04	9.57E-04
434 488969.6, 3857150.76	0.03176	9.36E-04	9.55E-04	9.54E-04
435 488819.6, 3857200.76	0.03258	9.60E-04	9.80E-04	9.78E-04
436 488869.6, 3857200.76	0.03247	9.57E-04	9.76E-04	9.75E-04
437 488919.6, 3857200.76	0.03234	9.53E-04	9.72E-04	9.71E-04
438 488969.6, 3857200.76	0.03219	9.49E-04	9.68E-04	9.67E-04
439 488819.6, 3857250.76	0.03313	9.76E-04	9.96E-04	9.95E-04
440 488869.6, 3857250.76	0.033	9.72E-04	9.92E-04	9.91E-04
441 488919.6, 3857250.76	0.03286	9.68E-04	9.88E-04	9.87E-04
442 488969.6, 3857250.76	0.03271	9.64E-04	9.84E-04	9.82E-04
443 488819.6, 3857300.76	0.03378	9.95E-04	1.02E-03	1.01E-03
444 488869.6, 3857300.76	0.03363	9.91E-04	1.01E-03	1.01E-03
445 488919.6, 3857300.76	0.03349	9.87E-04	1.01E-03	1.01E-03
446 488819.6, 3857450.76	0.03602	1.06E-03	1.08E-03	1.08E-03
447 488869.6, 3857450.76	0.03587	1.06E-03	1.08E-03	1.08E-03
448 488919.6, 3857450.76	0.03576	1.05E-03	1.08E-03	1.07E-03
449 488819.6, 3857500.76	0.03684	1.09E-03	1.11E-03	1.11E-03
450 488869.6, 3857500.76	0.03676	1.08E-03	1.11E-03	1.10E-03
451 488919.6, 3857500.76	0.03665	1.08E-03	1.10E-03	1.10E-03
452 488819.6, 3857550.76	0.03775	1.11E-03	1.14E-03	1.13E-03
453 488869.6, 3857550.76	0.03768	1.11E-03	1.13E-03	1.13E-03
454 488919.6, 3857550.76	0.0376	1.11E-03	1.13E-03	1.13E-03
455 489663.71, 3860900.05	0.0748	2.20E-03	2.25E-03	2.25E-03
456 489813.71, 3860900.05	0.07876	2.32E-03	2.37E-03	2.37E-03
457 489863.71, 3860900.05	0.07991	2.35E-03	2.40E-03	2.40E-03
458 489913.71, 3860900.05	0.08161	2.40E-03	2.45E-03	2.45E-03
459 489963.71, 3860900.05	0.08286	2.44E-03	2.49E-03	2.49E-03
460 490013.71, 3860900.05	0.08473	2.50E-03	2.55E-03	2.54E-03
461 490063.71, 3860900.05	0.08639	2.55E-03	2.60E-03	2.59E-03
462 489663.71, 3860950.05	0.07204	2.12E-03	2.17E-03	2.16E-03
463 489813.71, 3860950.05	0.07565	2.23E-03	2.27E-03	2.27E-03
464 489863.71, 3860950.05	0.07663	2.26E-03	2.30E-03	2.30E-03
465 489913.71, 3860950.05	0.07807	2.30E-03	2.35E-03	2.34E-03
466 489963.71, 3860950.05	0.0793	2.34E-03	2.38E-03	2.38E-03
467 490013.71, 3860950.05	0.08077	2.38E-03	2.43E-03	2.43E-03
468 490063.71, 3860950.05	0.08234	2.43E-03	2.48E-03	2.47E-03
469 489513.71, 3861000.05	0.06651	1.96E-03	2.00E-03	2.00E-03
470 489563.71, 3861000.05	0.06742	1.99E-03	2.03E-03	2.02E-03
471 489613.71, 3861000.05	0.06851	2.02E-03	2.06E-03	2.06E-03
472 489663.71, 3861000.05	0.06953	2.05E-03	2.09E-03	2.09E-03
473 489713.71, 3861000.05	0.07045	2.08E-03	2.12E-03	2.12E-03
474 489763.71, 3861000.05	0.07149	2.11E-03	2.15E-03	2.15E-03
475 489813.71, 3861000.05	0.07283	2.15E-03	2.19E-03	2.19E-03
476 489863.71, 3861000.05	0.07369	2.17E-03	2.22E-03	2.21E-03
477 489913.71, 3861000.05	0.07498	2.21E-03	2.25E-03	2.25E-03
478 489963.71, 3861000.05	0.07597	2.24E-03	2.28E-03	2.28E-03
479 490013.71, 3861000.05	0.07728	2.28E-03	2.32E-03	2.32E-03
480 490063.71, 3861000.05	0.07859	2.32E-03	2.36E-03	2.36E-03
481 489513.71, 3861050.05	0.06445	1.90E-03	1.94E-03	1.94E-03
482 489563.71, 3861050.05	0.06527	1.92E-03	1.96E-03	1.96E-03
483 489613.71, 3861050.05	0.0664	1.96E-03	2.00E-03	1.99E-03
484 489663.71, 3861050.05	0.06713	1.98E-03	2.02E-03	2.02E-03

485	489713.71, 3861050.05	0.06794	2.00E-03	2.04E-03	2.04E-03
486	489763.71, 3861050.05	0.06892	2.03E-03	2.07E-03	2.07E-03
487	489813.71, 3861050.05	0.06999	2.06E-03	2.10E-03	2.10E-03
488	489863.71, 3861050.05	0.07091	2.09E-03	2.13E-03	2.13E-03
489	489913.71, 3861050.05	0.07192	2.12E-03	2.16E-03	2.16E-03
490	489963.71, 3861050.05	0.07292	2.15E-03	2.19E-03	2.19E-03
491	490013.71, 3861050.05	0.0742	2.19E-03	2.23E-03	2.23E-03
492	490063.71, 3861050.05	0.07529	2.22E-03	2.26E-03	2.26E-03
493	489513.71, 3861100.05	0.06266	1.85E-03	1.88E-03	1.88E-03
494	489563.71, 3861100.05	0.06318	1.86E-03	1.90E-03	1.90E-03
495	489613.71, 3861100.05	0.06367	1.88E-03	1.91E-03	1.91E-03
496	489663.71, 3861100.05	0.06455	1.90E-03	1.94E-03	1.94E-03
497	489713.71, 3861100.05	0.06543	1.93E-03	1.97E-03	1.97E-03
498	489763.71, 3861100.05	0.06631	1.95E-03	1.99E-03	1.99E-03
499	489813.71, 3861100.05	0.06729	1.98E-03	2.02E-03	2.02E-03
500	489863.71, 3861100.05	0.06839	2.02E-03	2.06E-03	2.05E-03
501	489913.71, 3861100.05	0.06912	2.04E-03	2.08E-03	2.08E-03
502	489963.71, 3861100.05	0.07005	2.06E-03	2.11E-03	2.10E-03
503	490013.71, 3861100.05	0.07088	2.09E-03	2.13E-03	2.13E-03
504	490063.71, 3861100.05	0.0719	2.12E-03	2.16E-03	2.16E-03
505	489713.71, 3861150.05	0.06309	1.86E-03	1.90E-03	1.89E-03
506	489763.71, 3861150.05	0.06394	1.88E-03	1.92E-03	1.92E-03
507	489813.71, 3861150.05	0.06483	1.91E-03	1.95E-03	1.95E-03
508	489863.71, 3861150.05	0.06564	1.93E-03	1.97E-03	1.97E-03
509	489913.71, 3861150.05	0.06641	1.96E-03	2.00E-03	1.99E-03
510	489963.71, 3861150.05	0.06713	1.98E-03	2.02E-03	2.02E-03
511	490013.71, 3861150.05	0.06789	2.00E-03	2.04E-03	2.04E-03
512	490063.71, 3861150.05	0.06886	2.03E-03	2.07E-03	2.07E-03
513	489613.71, 3861200.05	0.05932	1.75E-03	1.78E-03	1.78E-03
514	489663.71, 3861200.05	0.06009	1.77E-03	1.81E-03	1.80E-03
515	489713.71, 3861200.05	0.06088	1.79E-03	1.83E-03	1.83E-03
516	489763.71, 3861200.05	0.06165	1.82E-03	1.85E-03	1.85E-03
517	489813.71, 3861200.05	0.06245	1.84E-03	1.88E-03	1.88E-03
518	489863.71, 3861200.05	0.0633	1.87E-03	1.90E-03	1.90E-03
519	489913.71, 3861200.05	0.06396	1.88E-03	1.92E-03	1.92E-03
520	489963.71, 3861200.05	0.06456	1.90E-03	1.94E-03	1.94E-03
521	490013.71, 3861200.05	0.06531	1.92E-03	1.96E-03	1.96E-03
522	490063.71, 3861200.05	0.06599	1.94E-03	1.98E-03	1.98E-03
523	489513.71, 3861250.05	0.0559	1.65E-03	1.68E-03	1.68E-03
524	489563.71, 3861250.05	0.05669	1.67E-03	1.70E-03	1.70E-03
525	489613.71, 3861250.05	0.05743	1.69E-03	1.73E-03	1.72E-03
526	489663.71, 3861250.05	0.05808	1.71E-03	1.75E-03	1.74E-03
527	489713.71, 3861250.05	0.05878	1.73E-03	1.77E-03	1.77E-03
528	489763.71, 3861250.05	0.05949	1.75E-03	1.79E-03	1.79E-03
529	489813.71, 3861250.05	0.06019	1.77E-03	1.81E-03	1.81E-03
530	489863.71, 3861250.05	0.06087	1.79E-03	1.83E-03	1.83E-03
531	489913.71, 3861250.05	0.0616	1.82E-03	1.85E-03	1.85E-03
532	489963.71, 3861250.05	0.06224	1.83E-03	1.87E-03	1.87E-03
533	490013.71, 3861250.05	0.06285	1.85E-03	1.89E-03	1.89E-03
534	490063.71, 3861250.05	0.06334	1.87E-03	1.90E-03	1.90E-03
535	489528.13, 3861308.47	0.05399	1.59E-03	1.62E-03	1.62E-03
536	489578.13, 3861308.47	0.05466	1.61E-03	1.64E-03	1.64E-03
537	489628.13, 3861308.47	0.05531	1.63E-03	1.66E-03	1.66E-03
538	489678.13, 3861308.47	0.05598	1.65E-03	1.68E-03	1.68E-03
539	489728.13, 3861308.47	0.05663	1.67E-03	1.70E-03	1.70E-03
540	489778.13, 3861308.47	0.05721	1.69E-03	1.72E-03	1.72E-03
541	489678.13, 3861358.47	0.05407	1.59E-03	1.63E-03	1.62E-03
542	489728.13, 3861358.47	0.05465	1.61E-03	1.64E-03	1.64E-03
543	489528.13, 3861408.47	0.05056	1.49E-03	1.52E-03	1.52E-03
544	489578.13, 3861408.47	0.05112	1.51E-03	1.54E-03	1.54E-03
545	489628.13, 3861408.47	0.05182	1.53E-03	1.56E-03	1.56E-03

546 489678.13, 3861408.47	0.0523	1.54E-03	1.57E-03	1.57E-03
547 489728.13, 3861408.47	0.05276	1.55E-03	1.59E-03	1.58E-03
548 489528.13, 3861458.47	0.04903	1.44E-03	1.47E-03	1.47E-03
549 489578.13, 3861458.47	0.04956	1.46E-03	1.49E-03	1.49E-03
550 489628.13, 3861458.47	0.05007	1.48E-03	1.51E-03	1.50E-03
551 489678.13, 3861458.47	0.05052	1.49E-03	1.52E-03	1.52E-03
552 489728.13, 3861458.47	0.05087	1.50E-03	1.53E-03	1.53E-03
553 489528.13, 3861508.47	0.04752	1.40E-03	1.43E-03	1.43E-03
554 489578.13, 3861508.47	0.04796	1.41E-03	1.44E-03	1.44E-03
555 489628.13, 3861508.47	0.04838	1.43E-03	1.45E-03	1.45E-03
556 489678.13, 3861508.47	0.04877	1.44E-03	1.47E-03	1.46E-03
557 489728.13, 3861508.47	0.04913	1.45E-03	1.48E-03	1.48E-03
558 489628.13, 3861558.47	0.0469	1.38E-03	1.41E-03	1.41E-03
559 489678.13, 3861558.47	0.04736	1.40E-03	1.42E-03	1.42E-03
560 489728.13, 3861558.47	0.0477	1.41E-03	1.43E-03	1.43E-03
561 489357.08, 3861015.81	0.06296	1.86E-03	1.89E-03	1.89E-03
562 489407.08, 3861015.81	0.06371	1.88E-03	1.92E-03	1.91E-03
563 489457.08, 3861015.81	0.0646	1.90E-03	1.94E-03	1.94E-03
564 489357.08, 3861065.81	0.06105	1.80E-03	1.84E-03	1.83E-03
565 489407.08, 3861065.81	0.06173	1.82E-03	1.86E-03	1.85E-03
566 489457.08, 3861065.81	0.06257	1.84E-03	1.88E-03	1.88E-03
567 489357.08, 3861115.81	0.05916	1.74E-03	1.78E-03	1.78E-03
568 489407.08, 3861115.81	0.05997	1.77E-03	1.80E-03	1.80E-03
569 489457.08, 3861115.81	0.06079	1.79E-03	1.83E-03	1.83E-03
570 489407.08, 3861165.81	0.05825	1.72E-03	1.75E-03	1.75E-03
571 489457.08, 3861165.81	0.05888	1.73E-03	1.77E-03	1.77E-03
572 489407.08, 3861215.81	0.05603	1.65E-03	1.68E-03	1.68E-03
573 489457.08, 3861215.81	0.05668	1.67E-03	1.70E-03	1.70E-03
574 489407.08, 3861265.81	0.05389	1.59E-03	1.62E-03	1.62E-03
575 489457.08, 3861265.81	0.0546	1.61E-03	1.64E-03	1.64E-03
576 489309.86, 3861110.14	0.05855	1.73E-03	1.76E-03	1.76E-03
577 489407.08, 3861315.81	0.05222	1.54E-03	1.57E-03	1.57E-03
578 489457.08, 3861315.81	0.05288	1.56E-03	1.59E-03	1.59E-03
579 488906.03, 3861006.75	0.05645	1.66E-03	1.70E-03	1.70E-03
580 488956.03, 3861006.75	0.0575	1.69E-03	1.73E-03	1.73E-03
581 488904.24, 3861051.87	0.05587	1.65E-03	1.68E-03	1.68E-03
582 488954.24, 3861051.87	0.05632	1.66E-03	1.69E-03	1.69E-03
583 489004.24, 3861051.87	0.05738	1.69E-03	1.73E-03	1.72E-03
584 488804.24, 3861101.87	0.05241	1.54E-03	1.58E-03	1.57E-03
585 488854.24, 3861101.87	0.05332	1.57E-03	1.60E-03	1.60E-03
586 488904.24, 3861101.87	0.05335	1.57E-03	1.60E-03	1.60E-03
587 488954.24, 3861101.87	0.05382	1.59E-03	1.62E-03	1.62E-03
588 489004.24, 3861101.87	0.05456	1.61E-03	1.64E-03	1.64E-03
589 488804.24, 3861151.87	0.05007	1.48E-03	1.51E-03	1.50E-03
590 488854.24, 3861151.87	0.05061	1.49E-03	1.52E-03	1.52E-03
591 489129.49, 3861187.55	0.05306	1.56E-03	1.60E-03	1.59E-03
592 489179.49, 3861187.55	0.05367	1.58E-03	1.61E-03	1.61E-03
593 488804.24, 3861201.87	0.0488	1.44E-03	1.47E-03	1.47E-03
594 488854.24, 3861201.87	0.04912	1.45E-03	1.48E-03	1.48E-03
595 489129.49, 3861237.55	0.05176	1.53E-03	1.56E-03	1.55E-03
596 489179.49, 3861237.55	0.05216	1.54E-03	1.57E-03	1.57E-03
597 488804.24, 3861251.87	0.04765	1.40E-03	1.43E-03	1.43E-03
598 488854.24, 3861251.87	0.0479	1.41E-03	1.44E-03	1.44E-03
599 488804.24, 3861301.87	0.04635	1.37E-03	1.39E-03	1.39E-03
600 488854.24, 3861301.87	0.04671	1.38E-03	1.40E-03	1.40E-03
601 490943.5, 3860181.97	0.48863	1.44E-02	1.47E-02	1.47E-02
602 490993.5, 3860181.97	0.53556	1.58E-02	1.61E-02	1.61E-02
603 491043.5, 3860181.97	0.59568	1.76E-02	1.79E-02	1.79E-02
604 491093.5, 3860181.97	0.66993	1.97E-02	2.01E-02	2.01E-02
605 490943.5, 3860231.97	0.42344	1.25E-02	1.27E-02	1.27E-02
606 490993.5, 3860231.97	0.46496	1.37E-02	1.40E-02	1.40E-02

607 491043.5, 3860231.97	0.5054	1.49E-02	1.52E-02	1.52E-02
608 491093.5, 3860231.97	0.55552	1.64E-02	1.67E-02	1.67E-02
609 490943.5, 3860281.97	0.3725	1.10E-02	1.12E-02	1.12E-02
610 490993.5, 3860281.97	0.40408	1.19E-02	1.21E-02	1.21E-02
611 491043.5, 3860281.97	0.43645	1.29E-02	1.31E-02	1.31E-02
612 491093.5, 3860281.97	0.47437	1.40E-02	1.43E-02	1.42E-02
613 490943.5, 3860331.97	0.33042	9.74E-03	9.94E-03	9.92E-03
614 490993.5, 3860331.97	0.35153	1.04E-02	1.06E-02	1.06E-02
615 491043.5, 3860331.97	0.3765	1.11E-02	1.13E-02	1.13E-02
616 491093.5, 3860331.97	0.40629	1.20E-02	1.22E-02	1.22E-02
617 490086.72, 3859935.12	0.35166	1.04E-02	1.06E-02	1.06E-02
618 490136.72, 3859935.12	0.37158	1.09E-02	1.12E-02	1.12E-02
619 490186.72, 3859935.12	0.39359	1.16E-02	1.18E-02	1.18E-02
620 490236.72, 3859935.12	0.41786	1.23E-02	1.26E-02	1.25E-02
621 490286.72, 3859935.12	0.4431	1.31E-02	1.33E-02	1.33E-02
622 490336.72, 3859935.12	0.47091	1.39E-02	1.42E-02	1.41E-02
623 490386.72, 3859935.12	0.50396	1.48E-02	1.52E-02	1.51E-02
624 490436.72, 3859935.12	0.54048	1.59E-02	1.63E-02	1.62E-02
625 490486.72, 3859935.12	0.58476	1.72E-02	1.76E-02	1.76E-02
626 490536.72, 3859935.12	0.64905	1.91E-02	1.95E-02	1.95E-02
627 490586.72, 3859935.12	0.73141	2.16E-02	2.20E-02	2.20E-02
628 490636.72, 3859935.12	0.82009	2.42E-02	2.47E-02	2.46E-02
629 490686.72, 3859935.12	0.9612	2.83E-02	2.89E-02	2.89E-02
630 490736.72, 3859935.12	1.12861	3.33E-02	3.39E-02	3.39E-02
631 490086.72, 3859985.12	0.31194	9.19E-03	9.38E-03	9.37E-03
632 490136.72, 3859985.12	0.32721	9.64E-03	9.84E-03	9.83E-03
633 490186.72, 3859985.12	0.34509	1.02E-02	1.04E-02	1.04E-02
634 490236.72, 3859985.12	0.3654	1.08E-02	1.10E-02	1.10E-02
635 490286.72, 3859985.12	0.38504	1.13E-02	1.16E-02	1.16E-02
636 490336.72, 3859985.12	0.40606	1.20E-02	1.22E-02	1.22E-02
637 490386.72, 3859985.12	0.42657	1.26E-02	1.28E-02	1.28E-02
638 490436.72, 3859985.12	0.45171	1.33E-02	1.36E-02	1.36E-02
639 490486.72, 3859985.12	0.48207	1.42E-02	1.45E-02	1.45E-02
640 490536.72, 3859985.12	0.52087	1.53E-02	1.57E-02	1.56E-02
641 490586.72, 3859985.12	0.56959	1.68E-02	1.71E-02	1.71E-02
642 490636.72, 3859985.12	0.63029	1.86E-02	1.90E-02	1.89E-02
643 490686.72, 3859985.12	0.71448	2.11E-02	2.15E-02	2.15E-02
644 490736.72, 3859985.12	0.79462	2.34E-02	2.39E-02	2.39E-02
645 490786.72, 3859985.12	0.89426	2.64E-02	2.69E-02	2.69E-02
646 490086.72, 3860035.12	0.27987	8.25E-03	8.42E-03	8.41E-03
647 490136.72, 3860035.12	0.29253	8.62E-03	8.80E-03	8.79E-03
648 490186.72, 3860035.12	0.30634	9.03E-03	9.21E-03	9.20E-03
649 490236.72, 3860035.12	0.32137	9.47E-03	9.66E-03	9.65E-03
650 490286.72, 3860035.12	0.33673	9.92E-03	1.01E-02	1.01E-02
651 490336.72, 3860035.12	0.35521	1.05E-02	1.07E-02	1.07E-02
652 490386.72, 3860035.12	0.3711	1.09E-02	1.12E-02	1.11E-02
653 490436.72, 3860035.12	0.38975	1.15E-02	1.17E-02	1.17E-02
654 490486.72, 3860035.12	0.41159	1.21E-02	1.24E-02	1.24E-02
655 490536.72, 3860035.12	0.43878	1.29E-02	1.32E-02	1.32E-02
656 490586.72, 3860035.12	0.46954	1.38E-02	1.41E-02	1.41E-02
657 490636.72, 3860035.12	0.50192	1.48E-02	1.51E-02	1.51E-02
658 490686.72, 3860035.12	0.54813	1.62E-02	1.65E-02	1.65E-02
659 490736.72, 3860035.12	0.61394	1.81E-02	1.85E-02	1.84E-02
660 490786.72, 3860035.12	0.67405	1.99E-02	2.03E-02	2.02E-02
661 490836.72, 3860035.12	0.74554	2.20E-02	2.24E-02	2.24E-02
662 490086.72, 3860085.12	0.2559	7.54E-03	7.69E-03	7.69E-03
663 490136.72, 3860085.12	0.26397	7.78E-03	7.94E-03	7.93E-03
664 490186.72, 3860085.12	0.27652	8.15E-03	8.31E-03	8.30E-03
665 490236.72, 3860085.12	0.28839	8.50E-03	8.67E-03	8.66E-03
666 490286.72, 3860085.12	0.30111	8.87E-03	9.05E-03	9.04E-03
667 490336.72, 3860085.12	0.31381	9.25E-03	9.44E-03	9.42E-03

668	490386.72, 3860085.12	0.3277	9.66E-03	9.85E-03	9.84E-03
669	490436.72, 3860085.12	0.34282	1.01E-02	1.03E-02	1.03E-02
670	490486.72, 3860085.12	0.35859	1.06E-02	1.08E-02	1.08E-02
671	490536.72, 3860085.12	0.37882	1.12E-02	1.14E-02	1.14E-02
672	490586.72, 3860085.12	0.40163	1.18E-02	1.21E-02	1.21E-02
673	490636.72, 3860085.12	0.42573	1.25E-02	1.28E-02	1.28E-02
674	490686.72, 3860085.12	0.45709	1.35E-02	1.37E-02	1.37E-02
675	490736.72, 3860085.12	0.49598	1.46E-02	1.49E-02	1.49E-02
676	490786.72, 3860085.12	0.54176	1.60E-02	1.63E-02	1.63E-02
677	490836.72, 3860085.12	0.5896	1.74E-02	1.77E-02	1.77E-02
678	490086.72, 3860135.12	0.22983	6.77E-03	6.91E-03	6.90E-03
679	490136.72, 3860135.12	0.23956	7.06E-03	7.20E-03	7.19E-03
680	490186.72, 3860135.12	0.24999	7.37E-03	7.52E-03	7.51E-03
681	490236.72, 3860135.12	0.25983	7.66E-03	7.81E-03	7.80E-03
682	490286.72, 3860135.12	0.27066	7.98E-03	8.14E-03	8.13E-03
683	490336.72, 3860135.12	0.28196	8.31E-03	8.48E-03	8.47E-03
684	490386.72, 3860135.12	0.29336	8.64E-03	8.82E-03	8.81E-03
685	490436.72, 3860135.12	0.30498	8.99E-03	9.17E-03	9.16E-03
686	490486.72, 3860135.12	0.31829	9.38E-03	9.57E-03	9.56E-03
687	490536.72, 3860135.12	0.33453	9.86E-03	1.01E-02	1.00E-02
688	490586.72, 3860135.12	0.35163	1.04E-02	1.06E-02	1.06E-02
689	490636.72, 3860135.12	0.37063	1.09E-02	1.11E-02	1.11E-02
690	490686.72, 3860135.12	0.39202	1.16E-02	1.18E-02	1.18E-02
691	490736.72, 3860135.12	0.41842	1.23E-02	1.26E-02	1.26E-02
692	490786.72, 3860135.12	0.45261	1.33E-02	1.36E-02	1.36E-02
693	490836.72, 3860135.12	0.48725	1.44E-02	1.47E-02	1.46E-02
694	490086.72, 3860185.12	0.21005	6.19E-03	6.32E-03	6.31E-03
695	490136.72, 3860185.12	0.21907	6.46E-03	6.59E-03	6.58E-03
696	490186.72, 3860185.12	0.22797	6.72E-03	6.85E-03	6.85E-03
697	490236.72, 3860185.12	0.23641	6.97E-03	7.11E-03	7.10E-03
698	490286.72, 3860185.12	0.24535	7.23E-03	7.38E-03	7.37E-03
699	490336.72, 3860185.12	0.25468	7.50E-03	7.66E-03	7.65E-03
700	490386.72, 3860185.12	0.26452	7.79E-03	7.95E-03	7.94E-03
701	490436.72, 3860185.12	0.27488	8.10E-03	8.27E-03	8.26E-03
702	490486.72, 3860185.12	0.28581	8.42E-03	8.59E-03	8.58E-03
703	490536.72, 3860185.12	0.2985	8.80E-03	8.98E-03	8.96E-03
704	490586.72, 3860185.12	0.31359	9.24E-03	9.43E-03	9.42E-03
705	490636.72, 3860185.12	0.32811	9.67E-03	9.87E-03	9.85E-03
706	490686.72, 3860185.12	0.3462	1.02E-02	1.04E-02	1.04E-02
707	490736.72, 3860185.12	0.36459	1.07E-02	1.10E-02	1.09E-02
708	490786.72, 3860185.12	0.38865	1.15E-02	1.17E-02	1.17E-02
709	490836.72, 3860185.12	0.41643	1.23E-02	1.25E-02	1.25E-02
710	490086.72, 3860235.12	0.19383	5.71E-03	5.83E-03	5.82E-03
711	490136.72, 3860235.12	0.20115	5.93E-03	6.05E-03	6.04E-03
712	490186.72, 3860235.12	0.20888	6.15E-03	6.28E-03	6.27E-03
713	490236.72, 3860235.12	0.21641	6.38E-03	6.51E-03	6.50E-03
714	490286.72, 3860235.12	0.22413	6.60E-03	6.74E-03	6.73E-03
715	490336.72, 3860235.12	0.2323	6.85E-03	6.98E-03	6.98E-03
716	490386.72, 3860235.12	0.24079	7.10E-03	7.24E-03	7.23E-03
717	490436.72, 3860235.12	0.24995	7.37E-03	7.52E-03	7.51E-03
718	490486.72, 3860235.12	0.25922	7.64E-03	7.79E-03	7.79E-03
719	490536.72, 3860235.12	0.26991	7.95E-03	8.12E-03	8.11E-03
720	490586.72, 3860235.12	0.28192	8.31E-03	8.48E-03	8.47E-03
721	490636.72, 3860235.12	0.29493	8.69E-03	8.87E-03	8.86E-03
722	490686.72, 3860235.12	0.30952	9.12E-03	9.31E-03	9.30E-03
723	490736.72, 3860235.12	0.32532	9.59E-03	9.78E-03	9.77E-03
724	490786.72, 3860235.12	0.34309	1.01E-02	1.03E-02	1.03E-02
725	490086.72, 3860285.12	0.17939	5.29E-03	5.39E-03	5.39E-03
726	490136.72, 3860285.12	0.18588	5.48E-03	5.59E-03	5.58E-03
727	490186.72, 3860285.12	0.19228	5.67E-03	5.78E-03	5.77E-03
728	490236.72, 3860285.12	0.19927	5.87E-03	5.99E-03	5.98E-03

729	490286.72, 3860285.12	0.20586	6.07E-03	6.19E-03	6.18E-03
730	490336.72, 3860285.12	0.21282	6.27E-03	6.40E-03	6.39E-03
731	490386.72, 3860285.12	0.22059	6.50E-03	6.63E-03	6.62E-03
732	490436.72, 3860285.12	0.22835	6.73E-03	6.87E-03	6.86E-03
733	490486.72, 3860285.12	0.23683	6.98E-03	7.12E-03	7.11E-03
734	490536.72, 3860285.12	0.24548	7.23E-03	7.38E-03	7.37E-03
735	490586.72, 3860285.12	0.25522	7.52E-03	7.67E-03	7.66E-03
736	490636.72, 3860285.12	0.26632	7.85E-03	8.01E-03	8.00E-03
737	490686.72, 3860285.12	0.27897	8.22E-03	8.39E-03	8.38E-03
738	490736.72, 3860285.12	0.29242	8.62E-03	8.79E-03	8.78E-03
739	490786.72, 3860285.12	0.30794	9.07E-03	9.26E-03	9.25E-03
740	490086.72, 3860335.12	0.16666	4.91E-03	5.01E-03	5.01E-03
741	490136.72, 3860335.12	0.17251	5.08E-03	5.19E-03	5.18E-03
742	490186.72, 3860335.12	0.17813	5.25E-03	5.36E-03	5.35E-03
743	490236.72, 3860335.12	0.18437	5.43E-03	5.54E-03	5.54E-03
744	490286.72, 3860335.12	0.1902	5.60E-03	5.72E-03	5.71E-03
745	490336.72, 3860335.12	0.19623	5.78E-03	5.90E-03	5.89E-03
746	490386.72, 3860335.12	0.20281	5.98E-03	6.10E-03	6.09E-03
747	490436.72, 3860335.12	0.20982	6.18E-03	6.31E-03	6.30E-03
748	490486.72, 3860335.12	0.21711	6.40E-03	6.53E-03	6.52E-03
749	490536.72, 3860335.12	0.22534	6.64E-03	6.78E-03	6.77E-03
750	490586.72, 3860335.12	0.23347	6.88E-03	7.02E-03	7.01E-03
751	490636.72, 3860335.12	0.24284	7.16E-03	7.30E-03	7.29E-03
752	490686.72, 3860335.12	0.25325	7.46E-03	7.61E-03	7.61E-03
753	490736.72, 3860335.12	0.26482	7.80E-03	7.96E-03	7.95E-03
754	490786.72, 3860335.12	0.27881	8.22E-03	8.38E-03	8.37E-03
755	490086.72, 3860385.12	0.15556	4.58E-03	4.68E-03	4.67E-03
756	490136.72, 3860385.12	0.16084	4.74E-03	4.84E-03	4.83E-03
757	490186.72, 3860385.12	0.16556	4.88E-03	4.98E-03	4.97E-03
758	490236.72, 3860385.12	0.17097	5.04E-03	5.14E-03	5.13E-03
759	490286.72, 3860385.12	0.17623	5.19E-03	5.30E-03	5.29E-03
760	490336.72, 3860385.12	0.18174	5.36E-03	5.46E-03	5.46E-03
761	490386.72, 3860385.12	0.18748	5.52E-03	5.64E-03	5.63E-03
762	490436.72, 3860385.12	0.19362	5.71E-03	5.82E-03	5.81E-03
763	490486.72, 3860385.12	0.20039	5.90E-03	6.03E-03	6.02E-03
764	490536.72, 3860385.12	0.20742	6.11E-03	6.24E-03	6.23E-03
765	490586.72, 3860385.12	0.21489	6.33E-03	6.46E-03	6.45E-03
766	490636.72, 3860385.12	0.22269	6.56E-03	6.70E-03	6.69E-03
767	490686.72, 3860385.12	0.23182	6.83E-03	6.97E-03	6.96E-03
768	490736.72, 3860385.12	0.24117	7.11E-03	7.25E-03	7.24E-03
769	490786.72, 3860385.12	0.25202	7.43E-03	7.58E-03	7.57E-03
770	490136.72, 3860435.12	0.15002	4.42E-03	4.51E-03	4.51E-03
771	490186.72, 3860435.12	0.15469	4.56E-03	4.65E-03	4.65E-03
772	490236.72, 3860435.12	0.15931	4.69E-03	4.79E-03	4.78E-03
773	490286.72, 3860435.12	0.16402	4.83E-03	4.93E-03	4.93E-03
774	490336.72, 3860435.12	0.16872	4.97E-03	5.07E-03	5.07E-03
775	490386.72, 3860435.12	0.17395	5.13E-03	5.23E-03	5.22E-03
776	490436.72, 3860435.12	0.17941	5.29E-03	5.39E-03	5.39E-03
777	490486.72, 3860435.12	0.1852	5.46E-03	5.57E-03	5.56E-03
778	490536.72, 3860435.12	0.19154	5.64E-03	5.76E-03	5.75E-03
779	490586.72, 3860435.12	0.19798	5.83E-03	5.95E-03	5.95E-03
780	490636.72, 3860435.12	0.20479	6.03E-03	6.16E-03	6.15E-03
781	490686.72, 3860435.12	0.21252	6.26E-03	6.39E-03	6.38E-03
782	490736.72, 3860435.12	0.22131	6.52E-03	6.65E-03	6.65E-03
783	490786.72, 3860435.12	0.23019	6.78E-03	6.92E-03	6.91E-03
784	490136.72, 3860485.12	0.14104	4.16E-03	4.24E-03	4.24E-03
785	490186.72, 3860485.12	0.145	4.27E-03	4.36E-03	4.35E-03
786	490236.72, 3860485.12	0.14889	4.39E-03	4.48E-03	4.47E-03
787	490286.72, 3860485.12	0.15327	4.52E-03	4.61E-03	4.60E-03
788	490336.72, 3860485.12	0.15746	4.64E-03	4.73E-03	4.73E-03
789	490386.72, 3860485.12	0.16217	4.78E-03	4.88E-03	4.87E-03

790 490436.72, 3860485.12	0.16744	4.93E-03	5.03E-03	5.03E-03
791 490486.72, 3860485.12	0.17232	5.08E-03	5.18E-03	5.18E-03
792 490536.72, 3860485.12	0.17743	5.23E-03	5.33E-03	5.33E-03
793 490586.72, 3860485.12	0.18296	5.39E-03	5.50E-03	5.49E-03
794 490636.72, 3860485.12	0.18931	5.58E-03	5.69E-03	5.69E-03
795 490686.72, 3860485.12	0.19557	5.76E-03	5.88E-03	5.87E-03
796 490736.72, 3860485.12	0.20295	5.98E-03	6.10E-03	6.10E-03
797 490786.72, 3860485.12	0.21086	6.21E-03	6.34E-03	6.33E-03
798 490136.72, 3860535.12	0.13278	3.91E-03	3.99E-03	3.99E-03
799 490186.72, 3860535.12	0.13694	4.04E-03	4.12E-03	4.11E-03
800 490236.72, 3860535.12	0.13986	4.12E-03	4.21E-03	4.20E-03
801 490286.72, 3860535.12	0.14341	4.23E-03	4.31E-03	4.31E-03
802 490336.72, 3860535.12	0.14742	4.34E-03	4.43E-03	4.43E-03
803 490386.72, 3860535.12	0.15187	4.48E-03	4.57E-03	4.56E-03
804 490436.72, 3860535.12	0.15645	4.61E-03	4.70E-03	4.70E-03
805 490486.72, 3860535.12	0.16109	4.75E-03	4.84E-03	4.84E-03
806 490536.72, 3860535.12	0.167	4.92E-03	5.02E-03	5.02E-03
807 490586.72, 3860535.12	0.17033	5.02E-03	5.12E-03	5.12E-03
808 490636.72, 3860535.12	0.17538	5.17E-03	5.27E-03	5.27E-03
809 490686.72, 3860535.12	0.18116	5.34E-03	5.45E-03	5.44E-03
810 490736.72, 3860535.12	0.18702	5.51E-03	5.62E-03	5.62E-03
811 490786.72, 3860535.12	0.19394	5.71E-03	5.83E-03	5.82E-03
812 490136.72, 3860585.12	0.12582	3.71E-03	3.78E-03	3.78E-03
813 490186.72, 3860585.12	0.1274	3.75E-03	3.83E-03	3.83E-03
814 490236.72, 3860585.12	0.13115	3.86E-03	3.94E-03	3.94E-03
815 490286.72, 3860585.12	0.13482	3.97E-03	4.05E-03	4.05E-03
816 490336.72, 3860585.12	0.13832	4.08E-03	4.16E-03	4.15E-03
817 490386.72, 3860585.12	0.14193	4.18E-03	4.27E-03	4.26E-03
818 490436.72, 3860585.12	0.14695	4.33E-03	4.42E-03	4.41E-03
819 490486.72, 3860585.12	0.15195	4.48E-03	4.57E-03	4.56E-03
820 490536.72, 3860585.12	0.15589	4.59E-03	4.69E-03	4.68E-03
821 490586.72, 3860585.12	0.15821	4.66E-03	4.76E-03	4.75E-03
822 490636.72, 3860585.12	0.16294	4.80E-03	4.90E-03	4.89E-03
823 490686.72, 3860585.12	0.16785	4.95E-03	5.05E-03	5.04E-03
824 490736.72, 3860585.12	0.17315	5.10E-03	5.21E-03	5.20E-03
825 490786.72, 3860585.12	0.17858	5.26E-03	5.37E-03	5.36E-03
826 490136.72, 3860635.12	0.11984	3.53E-03	3.60E-03	3.60E-03
827 490186.72, 3860635.12	0.12187	3.59E-03	3.66E-03	3.66E-03
828 490236.72, 3860635.12	0.1238	3.65E-03	3.72E-03	3.72E-03
829 490286.72, 3860635.12	0.12667	3.73E-03	3.81E-03	3.80E-03
830 490336.72, 3860635.12	0.12998	3.83E-03	3.91E-03	3.90E-03
831 490386.72, 3860635.12	0.13337	3.93E-03	4.01E-03	4.01E-03
832 490436.72, 3860635.12	0.1367	4.03E-03	4.11E-03	4.11E-03
833 490486.72, 3860635.12	0.14042	4.14E-03	4.22E-03	4.22E-03
834 490536.72, 3860635.12	0.14476	4.27E-03	4.35E-03	4.35E-03
835 490586.72, 3860635.12	0.14796	4.36E-03	4.45E-03	4.44E-03
836 490636.72, 3860635.12	0.15217	4.48E-03	4.58E-03	4.57E-03
837 490686.72, 3860635.12	0.15639	4.61E-03	4.70E-03	4.70E-03
838 490736.72, 3860635.12	0.16042	4.73E-03	4.82E-03	4.82E-03
839 490786.72, 3860635.12	0.16531	4.87E-03	4.97E-03	4.96E-03
840 490136.72, 3860685.12	0.11314	3.33E-03	3.40E-03	3.40E-03
841 490186.72, 3860685.12	0.11652	3.43E-03	3.50E-03	3.50E-03
842 490236.72, 3860685.12	0.11817	3.48E-03	3.55E-03	3.55E-03
843 490286.72, 3860685.12	0.11919	3.51E-03	3.58E-03	3.58E-03
844 490336.72, 3860685.12	0.12251	3.61E-03	3.68E-03	3.68E-03
845 490386.72, 3860685.12	0.12552	3.70E-03	3.77E-03	3.77E-03
846 490436.72, 3860685.12	0.12823	3.78E-03	3.86E-03	3.85E-03
847 490486.72, 3860685.12	0.13103	3.86E-03	3.94E-03	3.94E-03
848 490536.72, 3860685.12	0.13451	3.96E-03	4.04E-03	4.04E-03
849 490586.72, 3860685.12	0.13807	4.07E-03	4.15E-03	4.15E-03
850 490636.72, 3860685.12	0.14199	4.18E-03	4.27E-03	4.26E-03

851 490686.72, 3860685.12	0.14616	4.31E-03	4.39E-03	4.39E-03
852 490736.72, 3860685.12	0.14984	4.42E-03	4.51E-03	4.50E-03
853 490786.72, 3860685.12	0.15468	4.56E-03	4.65E-03	4.65E-03
854 490136.72, 3860735.12	0.10594	3.12E-03	3.19E-03	3.18E-03
855 490186.72, 3860735.12	0.10788	3.18E-03	3.24E-03	3.24E-03
856 490236.72, 3860735.12	0.11016	3.25E-03	3.31E-03	3.31E-03
857 490286.72, 3860735.12	0.11267	3.32E-03	3.39E-03	3.38E-03
858 490336.72, 3860735.12	0.11518	3.39E-03	3.46E-03	3.46E-03
859 490386.72, 3860735.12	0.1181	3.48E-03	3.55E-03	3.55E-03
860 490436.72, 3860735.12	0.12171	3.59E-03	3.66E-03	3.66E-03
861 490486.72, 3860735.12	0.12401	3.65E-03	3.73E-03	3.72E-03
862 490536.72, 3860735.12	0.12584	3.71E-03	3.78E-03	3.78E-03
863 490586.72, 3860735.12	0.12871	3.79E-03	3.87E-03	3.87E-03
864 490636.72, 3860735.12	0.13193	3.89E-03	3.97E-03	3.96E-03
865 490686.72, 3860735.12	0.13594	4.01E-03	4.09E-03	4.08E-03
866 490736.72, 3860735.12	0.14007	4.13E-03	4.21E-03	4.21E-03
867 490136.72, 3860785.12	0.09972	2.94E-03	3.00E-03	2.99E-03
868 490186.72, 3860785.12	0.10181	3.00E-03	3.06E-03	3.06E-03
869 490236.72, 3860785.12	0.10389	3.06E-03	3.12E-03	3.12E-03
870 490286.72, 3860785.12	0.1061	3.13E-03	3.19E-03	3.19E-03
871 490336.72, 3860785.12	0.10832	3.19E-03	3.26E-03	3.25E-03
872 490386.72, 3860785.12	0.11124	3.28E-03	3.34E-03	3.34E-03
873 490436.72, 3860785.12	0.11364	3.35E-03	3.42E-03	3.41E-03
874 490486.72, 3860785.12	0.11668	3.44E-03	3.51E-03	3.50E-03
875 490536.72, 3860785.12	0.11883	3.50E-03	3.57E-03	3.57E-03
876 490586.72, 3860785.12	0.12047	3.55E-03	3.62E-03	3.62E-03
877 490636.72, 3860785.12	0.12305	3.63E-03	3.70E-03	3.70E-03
878 490686.72, 3860785.12	0.12623	3.72E-03	3.80E-03	3.79E-03
879 490736.72, 3860785.12	0.12999	3.83E-03	3.91E-03	3.90E-03
880 490086.72, 3860835.12	0.09271	2.73E-03	2.79E-03	2.78E-03
881 490136.72, 3860835.12	0.09483	2.79E-03	2.85E-03	2.85E-03
882 490186.72, 3860835.12	0.09647	2.84E-03	2.90E-03	2.90E-03
883 490236.72, 3860835.12	0.09826	2.90E-03	2.95E-03	2.95E-03
884 490286.72, 3860835.12	0.10035	2.96E-03	3.02E-03	3.01E-03
885 490336.72, 3860835.12	0.10223	3.01E-03	3.07E-03	3.07E-03
886 490386.72, 3860835.12	0.1043	3.07E-03	3.14E-03	3.13E-03
887 490436.72, 3860835.12	0.10681	3.15E-03	3.21E-03	3.21E-03
888 490486.72, 3860835.12	0.10926	3.22E-03	3.29E-03	3.28E-03
889 490536.72, 3860835.12	0.1115	3.29E-03	3.35E-03	3.35E-03
890 490586.72, 3860835.12	0.11345	3.34E-03	3.41E-03	3.41E-03
891 490636.72, 3860835.12	0.11549	3.40E-03	3.47E-03	3.47E-03
892 490686.72, 3860835.12	0.11811	3.48E-03	3.55E-03	3.55E-03
893 490736.72, 3860835.12	0.1213	3.57E-03	3.65E-03	3.64E-03
894 490086.72, 3860885.12	0.08844	2.61E-03	2.66E-03	2.66E-03
895 490136.72, 3860885.12	0.09007	2.65E-03	2.71E-03	2.71E-03
896 490186.72, 3860885.12	0.09164	2.70E-03	2.76E-03	2.75E-03
897 490236.72, 3860885.12	0.09333	2.75E-03	2.81E-03	2.80E-03
898 490286.72, 3860885.12	0.09504	2.80E-03	2.86E-03	2.85E-03
899 490336.72, 3860885.12	0.09668	2.85E-03	2.91E-03	2.90E-03
900 490386.72, 3860885.12	0.09869	2.91E-03	2.97E-03	2.96E-03
901 490436.72, 3860885.12	0.10087	2.97E-03	3.03E-03	3.03E-03
902 490486.72, 3860885.12	0.10292	3.03E-03	3.09E-03	3.09E-03
903 490536.72, 3860885.12	0.10488	3.09E-03	3.15E-03	3.15E-03
904 490586.72, 3860885.12	0.10673	3.14E-03	3.21E-03	3.21E-03
905 490636.72, 3860885.12	0.10853	3.20E-03	3.26E-03	3.26E-03
906 490686.72, 3860885.12	0.11061	3.26E-03	3.33E-03	3.32E-03
907 490736.72, 3860885.12	0.1129	3.33E-03	3.39E-03	3.39E-03
908 490086.72, 3860935.12	0.08413	2.48E-03	2.53E-03	2.53E-03
909 490136.72, 3860935.12	0.08535	2.51E-03	2.57E-03	2.56E-03
910 490186.72, 3860935.12	0.08698	2.56E-03	2.62E-03	2.61E-03
911 490236.72, 3860935.12	0.08859	2.61E-03	2.66E-03	2.66E-03

912 490286.72, 3860935.12	0.09026	2.66E-03	2.71E-03	2.71E-03
913 490336.72, 3860935.12	0.09169	2.70E-03	2.76E-03	2.75E-03
914 490386.72, 3860935.12	0.09355	2.76E-03	2.81E-03	2.81E-03
915 490436.72, 3860935.12	0.09545	2.81E-03	2.87E-03	2.87E-03
916 490486.72, 3860935.12	0.09715	2.86E-03	2.92E-03	2.92E-03
917 490536.72, 3860935.12	0.09896	2.92E-03	2.98E-03	2.97E-03
918 490586.72, 3860935.12	0.10056	2.96E-03	3.02E-03	3.02E-03
919 490636.72, 3860935.12	0.10214	3.01E-03	3.07E-03	3.07E-03
920 490686.72, 3860935.12	0.10389	3.06E-03	3.12E-03	3.12E-03
921 490736.72, 3860935.12	0.10569	3.11E-03	3.18E-03	3.17E-03
922 490786.72, 3860935.12	0.10761	3.17E-03	3.24E-03	3.23E-03
923 490836.72, 3860935.12	0.11002	3.24E-03	3.31E-03	3.30E-03
924 490086.72, 3860985.12	0.08036	2.37E-03	2.42E-03	2.41E-03
925 490136.72, 3860985.12	0.08162	2.41E-03	2.45E-03	2.45E-03
926 490186.72, 3860985.12	0.08311	2.45E-03	2.50E-03	2.50E-03
927 490236.72, 3860985.12	0.08428	2.48E-03	2.53E-03	2.53E-03
928 490286.72, 3860985.12	0.08563	2.52E-03	2.57E-03	2.57E-03
929 490336.72, 3860985.12	0.08706	2.57E-03	2.62E-03	2.61E-03
930 490386.72, 3860985.12	0.08862	2.61E-03	2.66E-03	2.66E-03
931 490436.72, 3860985.12	0.09047	2.67E-03	2.72E-03	2.72E-03
932 490486.72, 3860985.12	0.09194	2.71E-03	2.76E-03	2.76E-03
933 490536.72, 3860985.12	0.09331	2.75E-03	2.81E-03	2.80E-03
934 490586.72, 3860985.12	0.09472	2.79E-03	2.85E-03	2.84E-03
935 490636.72, 3860985.12	0.09631	2.84E-03	2.90E-03	2.89E-03
936 490686.72, 3860985.12	0.09768	2.88E-03	2.94E-03	2.93E-03
937 490736.72, 3860985.12	0.09905	2.92E-03	2.98E-03	2.97E-03
938 490786.72, 3860985.12	0.10065	2.97E-03	3.03E-03	3.02E-03
939 490836.72, 3860985.12	0.10251	3.02E-03	3.08E-03	3.08E-03
940 490086.72, 3861035.12	0.07677	2.26E-03	2.31E-03	2.31E-03
941 490136.72, 3861035.12	0.07796	2.30E-03	2.34E-03	2.34E-03
942 490186.72, 3861035.12	0.07911	2.33E-03	2.38E-03	2.38E-03
943 490236.72, 3861035.12	0.0804	2.37E-03	2.42E-03	2.41E-03
944 490286.72, 3861035.12	0.08147	2.40E-03	2.45E-03	2.45E-03
945 490336.72, 3861035.12	0.08263	2.43E-03	2.48E-03	2.48E-03
946 490386.72, 3861035.12	0.0842	2.48E-03	2.53E-03	2.53E-03
947 490436.72, 3861035.12	0.0858	2.53E-03	2.58E-03	2.58E-03
948 490486.72, 3861035.12	0.08713	2.57E-03	2.62E-03	2.62E-03
949 490536.72, 3861035.12	0.08834	2.60E-03	2.66E-03	2.65E-03
950 490586.72, 3861035.12	0.08951	2.64E-03	2.69E-03	2.69E-03
951 490636.72, 3861035.12	0.09066	2.67E-03	2.73E-03	2.72E-03
952 490686.72, 3861035.12	0.09181	2.71E-03	2.76E-03	2.76E-03
953 490736.72, 3861035.12	0.09299	2.74E-03	2.80E-03	2.79E-03
954 490786.72, 3861035.12	0.09435	2.78E-03	2.84E-03	2.83E-03
955 490836.72, 3861035.12	0.09579	2.82E-03	2.88E-03	2.88E-03
956 490086.72, 3861085.12	0.07342	2.16E-03	2.21E-03	2.20E-03
957 490136.72, 3861085.12	0.07466	2.20E-03	2.24E-03	2.24E-03
958 490186.72, 3861085.12	0.07596	2.24E-03	2.28E-03	2.28E-03
959 490236.72, 3861085.12	0.07684	2.26E-03	2.31E-03	2.31E-03
960 490286.72, 3861085.12	0.07779	2.29E-03	2.34E-03	2.34E-03
961 490336.72, 3861085.12	0.07876	2.32E-03	2.37E-03	2.37E-03
962 490386.72, 3861085.12	0.08009	2.36E-03	2.41E-03	2.41E-03
963 490436.72, 3861085.12	0.08127	2.39E-03	2.44E-03	2.44E-03
964 490486.72, 3861085.12	0.08243	2.43E-03	2.48E-03	2.48E-03
965 490536.72, 3861085.12	0.08374	2.47E-03	2.52E-03	2.51E-03
966 490586.72, 3861085.12	0.08468	2.50E-03	2.55E-03	2.54E-03
967 490636.72, 3861085.12	0.08545	2.52E-03	2.57E-03	2.57E-03
968 490686.72, 3861085.12	0.08638	2.55E-03	2.60E-03	2.59E-03
969 490736.72, 3861085.12	0.08745	2.58E-03	2.63E-03	2.63E-03
970 490786.72, 3861085.12	0.08856	2.61E-03	2.66E-03	2.66E-03
971 490836.72, 3861085.12	0.08969	2.64E-03	2.70E-03	2.69E-03
972 490086.72, 3861135.12	0.07024	2.07E-03	2.11E-03	2.11E-03

973	490136.72, 3861135.12	0.07128	2.10E-03	2.14E-03	2.14E-03
974	490186.72, 3861135.12	0.07239	2.13E-03	2.18E-03	2.17E-03
975	490236.72, 3861135.12	0.07342	2.16E-03	2.21E-03	2.20E-03
976	490286.72, 3861135.12	0.07435	2.19E-03	2.24E-03	2.23E-03
977	490336.72, 3861135.12	0.0752	2.22E-03	2.26E-03	2.26E-03
978	490386.72, 3861135.12	0.07621	2.25E-03	2.29E-03	2.29E-03
979	490436.72, 3861135.12	0.07717	2.27E-03	2.32E-03	2.32E-03
980	490486.72, 3861135.12	0.07819	2.30E-03	2.35E-03	2.35E-03
981	490536.72, 3861135.12	0.07919	2.33E-03	2.38E-03	2.38E-03
982	490586.72, 3861135.12	0.08006	2.36E-03	2.41E-03	2.40E-03
983	490636.72, 3861135.12	0.08073	2.38E-03	2.43E-03	2.42E-03
984	490686.72, 3861135.12	0.0816	2.40E-03	2.45E-03	2.45E-03
985	490736.72, 3861135.12	0.08255	2.43E-03	2.48E-03	2.48E-03
986	490786.72, 3861135.12	0.08348	2.46E-03	2.51E-03	2.51E-03
987	490836.72, 3861135.12	0.08439	2.49E-03	2.54E-03	2.53E-03
988	490086.72, 3861185.12	0.06724	1.98E-03	2.02E-03	2.02E-03
989	490136.72, 3861185.12	0.06795	2.00E-03	2.04E-03	2.04E-03
990	490186.72, 3861185.12	0.06885	2.03E-03	2.07E-03	2.07E-03
991	490236.72, 3861185.12	0.0698	2.06E-03	2.10E-03	2.10E-03
992	490286.72, 3861185.12	0.07087	2.09E-03	2.13E-03	2.13E-03
993	490336.72, 3861185.12	0.07138	2.10E-03	2.15E-03	2.14E-03
994	490386.72, 3861185.12	0.07228	2.13E-03	2.17E-03	2.17E-03
995	490436.72, 3861185.12	0.07332	2.16E-03	2.20E-03	2.20E-03
996	490486.72, 3861185.12	0.07414	2.18E-03	2.23E-03	2.23E-03
997	490536.72, 3861185.12	0.07532	2.22E-03	2.26E-03	2.26E-03
998	490586.72, 3861185.12	0.07597	2.24E-03	2.28E-03	2.28E-03
999	490636.72, 3861185.12	0.07636	2.25E-03	2.30E-03	2.29E-03
1000	490686.72, 3861185.12	0.0771	2.27E-03	2.32E-03	2.32E-03
1001	490736.72, 3861185.12	0.0781	2.30E-03	2.35E-03	2.35E-03
1002	490786.72, 3861185.12	0.07901	2.33E-03	2.38E-03	2.37E-03
1003	490836.72, 3861185.12	0.07986	2.35E-03	2.40E-03	2.40E-03
1004	490086.72, 3861235.12	0.06436	1.90E-03	1.94E-03	1.93E-03
1005	490136.72, 3861235.12	0.06502	1.92E-03	1.96E-03	1.95E-03
1006	490186.72, 3861235.12	0.06583	1.94E-03	1.98E-03	1.98E-03
1007	490236.72, 3861235.12	0.06646	1.96E-03	2.00E-03	2.00E-03
1008	490386.72, 3861235.12	0.06862	2.02E-03	2.06E-03	2.06E-03
1009	490436.72, 3861235.12	0.0693	2.04E-03	2.08E-03	2.08E-03
1010	490486.72, 3861235.12	0.07004	2.06E-03	2.11E-03	2.10E-03
1011	490536.72, 3861235.12	0.07133	2.10E-03	2.14E-03	2.14E-03
1012	490586.72, 3861235.12	0.07235	2.13E-03	2.18E-03	2.17E-03
1013	490636.72, 3861235.12	0.07239	2.13E-03	2.18E-03	2.17E-03
1014	490686.72, 3861235.12	0.07311	2.15E-03	2.20E-03	2.20E-03
1015	490736.72, 3861235.12	0.07405	2.18E-03	2.23E-03	2.22E-03
1016	490786.72, 3861235.12	0.07501	2.21E-03	2.26E-03	2.25E-03
1017	490836.72, 3861235.12	0.07579	2.23E-03	2.28E-03	2.28E-03
1018	490086.72, 3861285.12	0.06185	1.82E-03	1.86E-03	1.86E-03
1019	490136.72, 3861285.12	0.06265	1.85E-03	1.88E-03	1.88E-03
1020	490186.72, 3861285.12	0.06307	1.86E-03	1.90E-03	1.89E-03
1021	490236.72, 3861285.12	0.06363	1.87E-03	1.91E-03	1.91E-03
1022	490386.72, 3861285.12	0.06544	1.93E-03	1.97E-03	1.97E-03
1023	490436.72, 3861285.12	0.06617	1.95E-03	1.99E-03	1.99E-03
1024	490486.72, 3861285.12	0.06673	1.97E-03	2.01E-03	2.00E-03
1025	490536.72, 3861285.12	0.06746	1.99E-03	2.03E-03	2.03E-03
1026	490586.72, 3861285.12	0.06829	2.01E-03	2.05E-03	2.05E-03
1027	490636.72, 3861285.12	0.06867	2.02E-03	2.06E-03	2.06E-03
1028	490686.72, 3861285.12	0.06939	2.04E-03	2.09E-03	2.08E-03
1029	490736.72, 3861285.12	0.0705	2.08E-03	2.12E-03	2.12E-03
1030	490786.72, 3861285.12	0.07121	2.10E-03	2.14E-03	2.14E-03
1031	490836.72, 3861285.12	0.07176	2.11E-03	2.16E-03	2.16E-03
1032	490061.24, 3859716.13	0.75092	2.21E-02	2.26E-02	2.26E-02
1033	490111.24, 3859716.13	0.85832	2.53E-02	2.58E-02	2.58E-02

1034 490161.24, 3859716.13	0.9939	2.93E-02	2.99E-02	2.98E-02
1035 490211.24, 3859716.13	1.16865	3.44E-02	3.51E-02	3.51E-02
1036 490061.24, 3859766.13	0.59192	1.74E-02	1.78E-02	1.78E-02
1037 490111.24, 3859766.13	0.65223	1.92E-02	1.96E-02	1.96E-02
1038 490161.24, 3859766.13	0.72223	2.13E-02	2.17E-02	2.17E-02
1039 490211.24, 3859766.13	0.80972	2.39E-02	2.43E-02	2.43E-02
1040 490061.24, 3859816.13	0.48756	1.44E-02	1.47E-02	1.46E-02
1041 490111.24, 3859816.13	0.52602	1.55E-02	1.58E-02	1.58E-02
1042 490161.24, 3859816.13	0.571	1.68E-02	1.72E-02	1.71E-02
1043 490211.24, 3859816.13	0.62222	1.83E-02	1.87E-02	1.87E-02
1044 490061.24, 3859866.13	0.4138	1.22E-02	1.24E-02	1.24E-02
1045 490111.24, 3859866.13	0.4419	1.30E-02	1.33E-02	1.33E-02
1046 490161.24, 3859866.13	0.47377	1.40E-02	1.42E-02	1.42E-02
1047 490211.24, 3859866.13	0.50933	1.50E-02	1.53E-02	1.53E-02
1048 490061.24, 3859916.13	0.35849	1.06E-02	1.08E-02	1.08E-02
1049 490111.24, 3859916.13	0.38053	1.12E-02	1.14E-02	1.14E-02
1050 490161.24, 3859916.13	0.40395	1.19E-02	1.21E-02	1.21E-02
1051 490211.24, 3859916.13	0.42904	1.26E-02	1.29E-02	1.29E-02
1052 490229.25, 3859815.26	0.64809	1.91E-02	1.95E-02	1.95E-02
1053 490279.25, 3859815.26	0.71118	2.10E-02	2.14E-02	2.14E-02
1054 490329.25, 3859815.26	0.78683	2.32E-02	2.37E-02	2.36E-02
1055 490379.25, 3859815.26	0.89497	2.64E-02	2.69E-02	2.69E-02
1056 490429.25, 3859815.26	1.0505	3.10E-02	3.16E-02	3.15E-02
1057 490229.25, 3859865.26	0.5249	1.55E-02	1.58E-02	1.58E-02
1058 490279.25, 3859865.26	0.56535	1.67E-02	1.70E-02	1.70E-02
1059 490329.25, 3859865.26	0.6113	1.80E-02	1.84E-02	1.84E-02
1060 490379.25, 3859865.26	0.66924	1.97E-02	2.01E-02	2.01E-02
1061 490429.25, 3859865.26	0.74263	2.19E-02	2.23E-02	2.23E-02
1062 490229.25, 3859915.26	0.44057	1.30E-02	1.32E-02	1.32E-02
1063 490279.25, 3859915.26	0.4678	1.38E-02	1.41E-02	1.40E-02
1064 490329.25, 3859915.26	0.49985	1.47E-02	1.50E-02	1.50E-02
1065 490379.25, 3859915.26	0.53726	1.58E-02	1.62E-02	1.61E-02
1066 490429.25, 3859915.26	0.57971	1.71E-02	1.74E-02	1.74E-02
1067 490451.43, 3859872.59	0.74608	2.20E-02	2.24E-02	2.24E-02
1068 490501.43, 3859872.59	0.8471	2.50E-02	2.55E-02	2.54E-02
1069 490551.43, 3859872.59	0.99533	2.93E-02	2.99E-02	2.99E-02
1070 490601.43, 3859872.59	1.19764	3.53E-02	3.60E-02	3.60E-02
1071 490451.43, 3859922.59	0.58246	1.72E-02	1.75E-02	1.75E-02
1072 490501.43, 3859922.59	0.63794	1.88E-02	1.92E-02	1.92E-02
1073 490551.43, 3859922.59	0.71485	2.11E-02	2.15E-02	2.15E-02
1074 490601.43, 3859922.59	0.81662	2.41E-02	2.46E-02	2.45E-02
1075 482129.67, 3852241.07	1.22792	3.62E-02	3.69E-02	3.69E-02
1076 482029.67, 3852291.07	1.99798	5.89E-02	6.01E-02	6.00E-02
1077 482079.67, 3852291.07	1.64267	4.84E-02	4.94E-02	4.93E-02
1078 482129.67, 3852291.07	1.39502	4.11E-02	4.19E-02	4.19E-02
1079 482179.67, 3852291.07	1.20207	3.54E-02	3.61E-02	3.61E-02
1080 482229.67, 3852291.07	1.03376	3.05E-02	3.11E-02	3.10E-02
1081 482029.67, 3852341.07	2.51262	7.40E-02	7.55E-02	7.55E-02
1082 482079.67, 3852341.07	1.97862	5.83E-02	5.95E-02	5.94E-02
1083 482129.67, 3852341.07	1.62802	4.80E-02	4.90E-02	4.89E-02
1084 482179.67, 3852341.07	1.37943	4.06E-02	4.15E-02	4.14E-02
1085 482259.06, 3852400.14	1.30562	3.85E-02	3.93E-02	3.92E-02
1086 482309.06, 3852400.14	1.11677	3.29E-02	3.36E-02	3.35E-02
1087 482209.06, 3852450.14	1.7653	5.20E-02	5.31E-02	5.30E-02
1088 482259.06, 3852450.14	1.49839	4.42E-02	4.51E-02	4.50E-02
1089 482309.06, 3852450.14	1.2849	3.79E-02	3.86E-02	3.86E-02
1090 482209.06, 3852500.14	2.13796	6.30E-02	6.43E-02	6.42E-02
1091 482259.06, 3852500.14	1.76898	5.21E-02	5.32E-02	5.31E-02
1092 482309.06, 3852500.14	1.48331	4.37E-02	4.46E-02	4.45E-02
1093 482283.91, 3852513.62	1.69486	4.99E-02	5.10E-02	5.09E-02
1094 482333.91, 3852513.62	1.42843	4.21E-02	4.30E-02	4.29E-02

1095	482283.91, 3852563.62	2.02866	5.98E-02	6.10E-02	6.09E-02
1096	482333.91, 3852563.62	1.67967	4.95E-02	5.05E-02	5.04E-02
1097	482383.91, 3852563.62	1.42243	4.19E-02	4.28E-02	4.27E-02
1098	482283.91, 3852613.62	2.61182	7.70E-02	7.85E-02	7.84E-02
1099	482333.91, 3852613.62	2.02518	5.97E-02	6.09E-02	6.08E-02
1100	482383.91, 3852613.62	1.66057	4.89E-02	4.99E-02	4.99E-02
1101	482602.38, 3852600.87	0.86366	2.54E-02	2.60E-02	2.59E-02
1102	482652.38, 3852600.87	0.78723	2.32E-02	2.37E-02	2.36E-02
1103	482702.38, 3852600.87	0.69346	2.04E-02	2.09E-02	2.08E-02
1104	482552.38, 3852650.87	1.11248	3.28E-02	3.35E-02	3.34E-02
1105	482602.38, 3852650.87	0.96383	2.84E-02	2.90E-02	2.89E-02
1106	482652.38, 3852650.87	0.87216	2.57E-02	2.62E-02	2.62E-02
1107	482702.38, 3852650.87	0.79686	2.35E-02	2.40E-02	2.39E-02
1108	482552.38, 3852700.87	1.25993	3.71E-02	3.79E-02	3.78E-02
1109	482602.38, 3852700.87	1.11121	3.27E-02	3.34E-02	3.34E-02
1110	482652.38, 3852700.87	1.00568	2.96E-02	3.02E-02	3.02E-02
1111	482702.38, 3852700.87	0.9043	2.66E-02	2.72E-02	2.72E-02
1112	482452.38, 3852750.87	2.17657	6.41E-02	6.54E-02	6.54E-02
1113	482521.29, 3852749.74	1.61769	4.77E-02	4.86E-02	4.86E-02
1114	482571.29, 3852749.74	1.37048	4.04E-02	4.12E-02	4.12E-02
1115	482521.29, 3852799.74	1.95774	5.77E-02	5.89E-02	5.88E-02
1116	482571.29, 3852799.74	1.60487	4.73E-02	4.83E-02	4.82E-02
1117	482621.29, 3852799.74	1.36167	4.01E-02	4.09E-02	4.09E-02
1118	482571.29, 3852849.74	1.93288	5.70E-02	5.81E-02	5.80E-02
1119	482621.29, 3852849.74	1.58529	4.67E-02	4.77E-02	4.76E-02
1120	482577.42, 3852901.55	2.37654	7.00E-02	7.15E-02	7.14E-02
1121	482627.42, 3852901.55	1.86858	5.51E-02	5.62E-02	5.61E-02
1122	482629.96, 3852955.85	2.31623	6.83E-02	6.96E-02	6.96E-02
1123	482679.96, 3852955.85	1.80714	5.32E-02	5.43E-02	5.43E-02
1124	482781.63, 3853034.48	1.46342	4.31E-02	4.40E-02	4.40E-02
1125	482831.63, 3853034.48	1.22221	3.60E-02	3.67E-02	3.67E-02
1126	482881.63, 3853034.48	1.0409	3.07E-02	3.13E-02	3.13E-02
1127	482781.63, 3853084.48	1.61187	4.75E-02	4.85E-02	4.84E-02
1128	482831.63, 3853084.48	1.32345	3.90E-02	3.98E-02	3.97E-02
1129	482881.63, 3853084.48	1.12351	3.31E-02	3.38E-02	3.37E-02
1130	482781.63, 3853134.48	1.80172	5.31E-02	5.42E-02	5.41E-02
1131	482831.63, 3853134.48	1.44487	4.26E-02	4.34E-02	4.34E-02
1132	482881.63, 3853134.48	1.21532	3.58E-02	3.65E-02	3.65E-02
1133	482831.63, 3853184.48	1.60159	4.72E-02	4.82E-02	4.81E-02
1134	482881.63, 3853184.48	1.31534	3.88E-02	3.95E-02	3.95E-02
1135	484154.84, 3854250.98	0.0647	1.91E-03	1.95E-03	1.94E-03
1136	484204.84, 3854250.98	0.06407	1.89E-03	1.93E-03	1.92E-03
1137	484154.84, 3854300.98	0.06113	1.80E-03	1.84E-03	1.84E-03
1138	484204.84, 3854300.98	0.06092	1.80E-03	1.83E-03	1.83E-03
1139	484074.19, 3854519.8	0.05117	1.51E-03	1.54E-03	1.54E-03
1140	484124.19, 3854519.8	0.05074	1.50E-03	1.53E-03	1.52E-03
1141	484074.19, 3854569.8	0.04926	1.45E-03	1.48E-03	1.48E-03
1142	484124.19, 3854569.8	0.04851	1.43E-03	1.46E-03	1.46E-03
1143	485205.11, 3855188.89	0.04099	1.21E-03	1.23E-03	1.23E-03
1144	485255.11, 3855188.89	0.04044	1.19E-03	1.22E-03	1.21E-03
1145	485205.11, 3855238.89	0.04031	1.19E-03	1.21E-03	1.21E-03
1146	485255.11, 3855238.89	0.04007	1.18E-03	1.20E-03	1.20E-03
1147	485205.11, 3855288.89	0.04043	1.19E-03	1.22E-03	1.21E-03
1148	485255.11, 3855288.89	0.04007	1.18E-03	1.20E-03	1.20E-03
1149	485255.11, 3855338.89	0.03998	1.18E-03	1.20E-03	1.20E-03
1150	485305.11, 3855338.89	0.03963	1.17E-03	1.19E-03	1.19E-03
1151	485852.5, 3855635.28	0.03576	1.05E-03	1.08E-03	1.07E-03
1152	485902.5, 3855635.28	0.03542	1.04E-03	1.07E-03	1.06E-03
1153	485852.5, 3855685.28	0.03551	1.05E-03	1.07E-03	1.07E-03
1154	485902.5, 3855685.28	0.03518	1.04E-03	1.06E-03	1.06E-03
1155	485852.5, 3855735.28	0.03526	1.04E-03	1.06E-03	1.06E-03

1156 485902.5, 3855735.28	0.03503	1.03E-03	1.05E-03	1.05E-03
1157 485852.5, 3855785.28	0.03507	1.03E-03	1.05E-03	1.05E-03
1158 485902.5, 3855785.28	0.03477	1.02E-03	1.05E-03	1.04E-03
1159 486809.46, 3856465.28	0.03033	8.94E-04	9.12E-04	9.11E-04
1160 486859.46, 3856465.28	0.03027	8.92E-04	9.10E-04	9.09E-04
1161 486909.46, 3856465.28	0.03017	8.89E-04	9.07E-04	9.06E-04
1162 486809.46, 3856515.28	0.03036	8.95E-04	9.13E-04	9.12E-04
1163 486859.46, 3856515.28	0.03035	8.94E-04	9.13E-04	9.11E-04
1164 486909.46, 3856515.28	0.03029	8.93E-04	9.11E-04	9.10E-04
1165 486980.94, 3856357.95	0.03004	8.85E-04	9.03E-04	9.02E-04
1166 487030.94, 3856357.95	0.03002	8.85E-04	9.03E-04	9.02E-04
1167 486980.94, 3856407.95	0.03006	8.86E-04	9.04E-04	9.03E-04
1168 487030.94, 3856407.95	0.03001	8.84E-04	9.02E-04	9.01E-04
1169 487447.18, 3856437.45	0.03014	8.88E-04	9.06E-04	9.05E-04
1170 487497.18, 3856437.45	0.03021	8.90E-04	9.08E-04	9.07E-04
1171 487547.18, 3856437.45	0.03028	8.92E-04	9.10E-04	9.09E-04
1172 487447.18, 3856487.45	0.0301	8.87E-04	9.05E-04	9.04E-04
1173 487497.18, 3856487.45	0.03015	8.88E-04	9.07E-04	9.05E-04
1174 487547.18, 3856487.45	0.03024	8.91E-04	9.09E-04	9.08E-04
1175 487447.18, 3856537.45	0.03008	8.86E-04	9.04E-04	9.03E-04
1176 487497.18, 3856537.45	0.03012	8.88E-04	9.06E-04	9.05E-04
1177 487547.18, 3856537.45	0.03022	8.90E-04	9.09E-04	9.08E-04
1178 489285.89, 3858826.54	0.39448	1.16E-02	1.19E-02	1.18E-02
1179 489335.89, 3858826.54	0.38296	1.13E-02	1.15E-02	1.15E-02
1180 489385.89, 3858826.54	0.37079	1.09E-02	1.11E-02	1.11E-02
1181 489435.89, 3858826.54	0.35918	1.06E-02	1.08E-02	1.08E-02
1182 489485.89, 3858826.54	0.34792	1.03E-02	1.05E-02	1.04E-02
1183 489535.89, 3858826.54	0.33708	9.93E-03	1.01E-02	1.01E-02
1184 489585.89, 3858826.54	0.32689	9.63E-03	9.83E-03	9.82E-03
1185 489635.89, 3858826.54	0.31694	9.34E-03	9.53E-03	9.52E-03
1186 489685.89, 3858826.54	0.30748	9.06E-03	9.25E-03	9.23E-03
1187 489735.89, 3858826.54	0.2987	8.80E-03	8.98E-03	8.97E-03
1188 489785.89, 3858826.54	0.29091	8.57E-03	8.75E-03	8.74E-03
1189 489835.89, 3858826.54	0.28286	8.33E-03	8.51E-03	8.50E-03
1190 489885.89, 3858826.54	0.27612	8.14E-03	8.30E-03	8.29E-03
1191 489935.89, 3858826.54	0.26918	7.93E-03	8.09E-03	8.08E-03
1192 489985.89, 3858826.54	0.262	7.72E-03	7.88E-03	7.87E-03
1193 490035.89, 3858826.54	0.2523	7.43E-03	7.59E-03	7.58E-03
1194 489285.89, 3858876.54	0.5619	1.66E-02	1.69E-02	1.69E-02
1195 489335.89, 3858876.54	0.52746	1.55E-02	1.59E-02	1.58E-02
1196 489385.89, 3858876.54	0.49752	1.47E-02	1.50E-02	1.49E-02
1197 489435.89, 3858876.54	0.47103	1.39E-02	1.42E-02	1.41E-02
1198 489485.89, 3858876.54	0.44755	1.32E-02	1.35E-02	1.34E-02
1199 489535.89, 3858876.54	0.42624	1.26E-02	1.28E-02	1.28E-02
1200 489585.89, 3858876.54	0.40664	1.20E-02	1.22E-02	1.22E-02
1201 489635.89, 3858876.54	0.38965	1.15E-02	1.17E-02	1.17E-02
1202 489685.89, 3858876.54	0.37396	1.10E-02	1.12E-02	1.12E-02
1203 489735.89, 3858876.54	0.35941	1.06E-02	1.08E-02	1.08E-02
1204 489785.89, 3858876.54	0.3469	1.02E-02	1.04E-02	1.04E-02
1205 489835.89, 3858876.54	0.33492	9.87E-03	1.01E-02	1.01E-02
1206 489885.89, 3858876.54	0.32488	9.57E-03	9.77E-03	9.76E-03
1207 489935.89, 3858876.54	0.31435	9.26E-03	9.45E-03	9.44E-03
1208 489985.89, 3858876.54	0.30353	8.94E-03	9.13E-03	9.12E-03
1209 490035.89, 3858876.54	0.29165	8.59E-03	8.77E-03	8.76E-03
1210 489285.89, 3858926.54	0.78811	2.32E-02	2.37E-02	2.37E-02
1211 489335.89, 3858926.54	0.71718	2.11E-02	2.16E-02	2.15E-02
1212 489385.89, 3858926.54	0.65859	1.94E-02	1.98E-02	1.98E-02
1213 489435.89, 3858926.54	0.61031	1.80E-02	1.84E-02	1.83E-02
1214 489485.89, 3858926.54	0.56925	1.68E-02	1.71E-02	1.71E-02
1215 489535.89, 3858926.54	0.53394	1.57E-02	1.61E-02	1.60E-02
1216 489585.89, 3858926.54	0.50292	1.48E-02	1.51E-02	1.51E-02

1217 489635.89, 3858926.54	0.47578	1.40E-02	1.43E-02	1.43E-02
1218 489685.89, 3858926.54	0.45147	1.33E-02	1.36E-02	1.36E-02
1219 489735.89, 3858926.54	0.43057	1.27E-02	1.29E-02	1.29E-02
1220 489785.89, 3858926.54	0.41176	1.21E-02	1.24E-02	1.24E-02
1221 489835.89, 3858926.54	0.39426	1.16E-02	1.19E-02	1.18E-02
1222 489885.89, 3858926.54	0.37936	1.12E-02	1.14E-02	1.14E-02
1223 489935.89, 3858926.54	0.36512	1.08E-02	1.10E-02	1.10E-02
1224 489985.89, 3858926.54	0.35121	1.03E-02	1.06E-02	1.05E-02
1225 490035.89, 3858926.54	0.33336	9.82E-03	1.00E-02	1.00E-02
1226 489335.89, 3858976.54	0.95987	2.83E-02	2.89E-02	2.88E-02
1227 489385.89, 3858976.54	0.86099	2.54E-02	2.59E-02	2.59E-02
1228 489435.89, 3858976.54	0.78283	2.31E-02	2.35E-02	2.35E-02
1229 489485.89, 3858976.54	0.71756	2.11E-02	2.16E-02	2.16E-02
1230 489535.89, 3858976.54	0.66276	1.95E-02	1.99E-02	1.99E-02
1231 489585.89, 3858976.54	0.61737	1.82E-02	1.86E-02	1.85E-02
1232 489635.89, 3858976.54	0.57777	1.70E-02	1.74E-02	1.74E-02
1233 489685.89, 3858976.54	0.54279	1.60E-02	1.63E-02	1.63E-02
1234 489735.89, 3858976.54	0.51288	1.51E-02	1.54E-02	1.54E-02
1235 489785.89, 3858976.54	0.48699	1.43E-02	1.46E-02	1.46E-02
1236 489835.89, 3858976.54	0.46363	1.37E-02	1.39E-02	1.39E-02
1237 489885.89, 3858976.54	0.44103	1.30E-02	1.33E-02	1.32E-02
1238 489935.89, 3858976.54	0.42165	1.24E-02	1.27E-02	1.27E-02
1239 489985.89, 3858976.54	0.40379	1.19E-02	1.21E-02	1.21E-02
1240 490035.89, 3858976.54	0.37611	1.11E-02	1.13E-02	1.13E-02
1241 489385.89, 3859026.54	1.12152	3.30E-02	3.37E-02	3.37E-02
1242 489435.89, 3859026.54	0.99846	2.94E-02	3.00E-02	3.00E-02
1243 489485.89, 3859026.54	0.90043	2.65E-02	2.71E-02	2.70E-02
1244 489535.89, 3859026.54	0.82095	2.42E-02	2.47E-02	2.47E-02
1245 489585.89, 3859026.54	0.75429	2.22E-02	2.27E-02	2.27E-02
1246 489635.89, 3859026.54	0.69903	2.06E-02	2.10E-02	2.10E-02
1247 489685.89, 3859026.54	0.65153	1.92E-02	1.96E-02	1.96E-02
1248 489735.89, 3859026.54	0.6109	1.80E-02	1.84E-02	1.83E-02
1249 489785.89, 3859026.54	0.57503	1.69E-02	1.73E-02	1.73E-02
1250 489835.89, 3859026.54	0.5421	1.60E-02	1.63E-02	1.63E-02
1251 489885.89, 3859026.54	0.51312	1.51E-02	1.54E-02	1.54E-02
1252 489935.89, 3859026.54	0.48672	1.43E-02	1.46E-02	1.46E-02
1253 489985.89, 3859026.54	0.46276	1.36E-02	1.39E-02	1.39E-02
1254 490035.89, 3859026.54	0.4264	1.26E-02	1.28E-02	1.28E-02
1255 489485.89, 3859076.54	1.13915	3.36E-02	3.43E-02	3.42E-02
1256 489535.89, 3859076.54	1.02176	3.01E-02	3.07E-02	3.07E-02
1257 489585.89, 3859076.54	0.92658	2.73E-02	2.79E-02	2.78E-02
1258 489635.89, 3859076.54	0.84936	2.50E-02	2.55E-02	2.55E-02
1259 489685.89, 3859076.54	0.78407	2.31E-02	2.36E-02	2.35E-02
1260 489735.89, 3859076.54	0.72822	2.15E-02	2.19E-02	2.19E-02
1261 489785.89, 3859076.54	0.67983	2.00E-02	2.04E-02	2.04E-02
1262 489835.89, 3859076.54	0.63651	1.88E-02	1.91E-02	1.91E-02
1263 489885.89, 3859076.54	0.59816	1.76E-02	1.80E-02	1.80E-02
1264 489935.89, 3859076.54	0.56461	1.66E-02	1.70E-02	1.70E-02
1265 489985.89, 3859076.54	0.53264	1.57E-02	1.60E-02	1.60E-02
1266 490035.89, 3859076.54	0.49014	1.44E-02	1.47E-02	1.47E-02
1267 489585.89, 3859126.54	1.15788	3.41E-02	3.48E-02	3.48E-02
1268 489635.89, 3859126.54	1.0447	3.08E-02	3.14E-02	3.14E-02
1269 489685.89, 3859126.54	0.95123	2.80E-02	2.86E-02	2.86E-02
1270 489735.89, 3859126.54	0.87335	2.57E-02	2.63E-02	2.62E-02
1271 489785.89, 3859126.54	0.80759	2.38E-02	2.43E-02	2.43E-02
1272 489835.89, 3859126.54	0.74985	2.21E-02	2.25E-02	2.25E-02
1273 489885.89, 3859126.54	0.69859	2.06E-02	2.10E-02	2.10E-02
1274 489935.89, 3859126.54	0.65496	1.93E-02	1.97E-02	1.97E-02
1275 489985.89, 3859126.54	0.61061	1.80E-02	1.84E-02	1.83E-02
1276 490035.89, 3859126.54	0.56525	1.67E-02	1.70E-02	1.70E-02
1277 489585.89, 3859176.54	1.4915	4.39E-02	4.48E-02	4.48E-02

1278 489635.89, 3859176.54	1.31369	3.87E-02	3.95E-02	3.95E-02
1279 489685.89, 3859176.54	1.17463	3.46E-02	3.53E-02	3.53E-02
1280 489735.89, 3859176.54	1.06249	3.13E-02	3.19E-02	3.19E-02
1281 489785.89, 3859176.54	0.96857	2.85E-02	2.91E-02	2.91E-02
1282 489835.89, 3859176.54	0.89026	2.62E-02	2.68E-02	2.67E-02
1283 489885.89, 3859176.54	0.82231	2.42E-02	2.47E-02	2.47E-02
1284 489935.89, 3859176.54	0.76411	2.25E-02	2.30E-02	2.29E-02
1285 489985.89, 3859176.54	0.7071	2.08E-02	2.13E-02	2.12E-02
1286 490035.89, 3859176.54	0.66317	1.95E-02	1.99E-02	1.99E-02
1287 489685.89, 3859226.54	1.49422	4.40E-02	4.49E-02	4.49E-02
1288 489735.89, 3859226.54	1.32133	3.89E-02	3.97E-02	3.97E-02
1289 489785.89, 3859226.54	1.18344	3.49E-02	3.56E-02	3.55E-02
1290 489835.89, 3859226.54	1.07015	3.15E-02	3.22E-02	3.21E-02
1291 489885.89, 3859226.54	0.97702	2.88E-02	2.94E-02	2.93E-02
1292 489935.89, 3859226.54	0.89818	2.65E-02	2.70E-02	2.70E-02
1293 489985.89, 3859226.54	0.81989	2.42E-02	2.47E-02	2.46E-02
1294 490035.89, 3859226.54	0.7648	2.25E-02	2.30E-02	2.30E-02
1295 489735.89, 3859276.54	1.71188	5.04E-02	5.15E-02	5.14E-02
1296 489785.89, 3859276.54	1.49067	4.39E-02	4.48E-02	4.48E-02
1297 489835.89, 3859276.54	1.31855	3.89E-02	3.96E-02	3.96E-02
1298 489885.89, 3859276.54	1.18368	3.49E-02	3.56E-02	3.55E-02
1299 489935.89, 3859276.54	1.07092	3.16E-02	3.22E-02	3.22E-02
1300 489985.89, 3859276.54	0.96166	2.83E-02	2.89E-02	2.89E-02
1301 490035.89, 3859276.54	0.89603	2.64E-02	2.69E-02	2.69E-02
1302 490458.06, 3859590.74	1.51467	4.46E-02	4.55E-02	4.55E-02
1303 490508.06, 3859590.74	1.35381	3.99E-02	4.07E-02	4.07E-02
1304 490558.06, 3859590.74	1.20145	3.54E-02	3.61E-02	3.61E-02
1305 490608.06, 3859590.74	1.08122	3.19E-02	3.25E-02	3.25E-02
1306 490658.06, 3859590.74	0.97838	2.88E-02	2.94E-02	2.94E-02
1307 490708.06, 3859590.74	0.88969	2.62E-02	2.68E-02	2.67E-02
1308 490758.06, 3859590.74	0.80736	2.38E-02	2.43E-02	2.42E-02
1309 490808.06, 3859590.74	0.74383	2.19E-02	2.24E-02	2.23E-02
1310 490858.06, 3859590.74	0.68458	2.02E-02	2.06E-02	2.06E-02
1311 490458.06, 3859640.74	2.11538	6.23E-02	6.36E-02	6.35E-02
1312 490508.06, 3859640.74	1.83492	5.41E-02	5.52E-02	5.51E-02
1313 490558.06, 3859640.74	1.60955	4.74E-02	4.84E-02	4.83E-02
1314 490608.06, 3859640.74	1.40595	4.14E-02	4.23E-02	4.22E-02
1315 490658.06, 3859640.74	1.22488	3.61E-02	3.68E-02	3.68E-02
1316 490708.06, 3859640.74	1.09482	3.23E-02	3.29E-02	3.29E-02
1317 490758.06, 3859640.74	0.98121	2.89E-02	2.95E-02	2.95E-02
1318 490808.06, 3859640.74	0.89955	2.65E-02	2.70E-02	2.70E-02
1319 490858.06, 3859640.74	0.82893	2.44E-02	2.49E-02	2.49E-02
1320 490608.06, 3859690.74	1.95475	5.76E-02	5.88E-02	5.87E-02
1321 490658.06, 3859690.74	1.64002	4.83E-02	4.93E-02	4.93E-02
1322 490708.06, 3859690.74	1.41539	4.17E-02	4.26E-02	4.25E-02
1323 490758.06, 3859690.74	1.23642	3.64E-02	3.72E-02	3.71E-02
1324 490808.06, 3859690.74	1.10753	3.26E-02	3.33E-02	3.33E-02
1325 490858.06, 3859690.74	1.02705	3.03E-02	3.09E-02	3.08E-02
1326 490708.06, 3859740.74	2.04934	6.04E-02	6.16E-02	6.15E-02
1327 490758.06, 3859740.74	1.74788	5.15E-02	5.26E-02	5.25E-02
1328 490808.06, 3859740.74	1.5102	4.45E-02	4.54E-02	4.54E-02
1329 490858.06, 3859740.74	1.34405	3.96E-02	4.04E-02	4.04E-02
1330 490786.56, 3859749.39	1.72202	5.07E-02	5.18E-02	5.17E-02
1331 490836.56, 3859749.39	1.48747	4.38E-02	4.47E-02	4.47E-02
1332 490786.56, 3859799.39	2.69929	7.95E-02	8.12E-02	8.11E-02
1333 490836.56, 3859799.39	2.21885	6.54E-02	6.67E-02	6.66E-02
1334 492307.84, 3854508.36	0.03334	9.82E-04	1.00E-03	1.00E-03
1335 486445.7, 3854753.6	0.04155	1.22E-03	1.25E-03	1.25E-03
1336 472599.75, 3877830.11	0.00267	7.87E-05	8.03E-05	8.02E-05
1337 493107.48, 3866840.19	0.00686	2.02E-04	2.06E-04	2.06E-04
1338 495815.8, 3861662.87	0.04225	1.24E-03	1.27E-03	1.27E-03

1339 480272.33, 3841389.2	0.00152	4.48E-05	4.57E-05	4.56E-05
1340 497005.18, 3862813.64	0.02362	6.96E-04	7.10E-04	7.09E-04
1341 493677.33, 3860302.55	0.1797	5.30E-03	5.40E-03	5.40E-03
1342 493727.33, 3860302.55	0.17505	5.16E-03	5.26E-03	5.26E-03
1343 493777.33, 3860302.55	0.17046	5.02E-03	5.13E-03	5.12E-03
1344 493827.33, 3860302.55	0.16612	4.89E-03	4.99E-03	4.99E-03
1345 493877.33, 3860302.55	0.16222	4.78E-03	4.88E-03	4.87E-03
1346 493927.33, 3860302.55	0.15854	4.67E-03	4.77E-03	4.76E-03
1347 493977.33, 3860302.55	0.15385	4.53E-03	4.63E-03	4.62E-03
1348 494027.33, 3860302.55	0.14983	4.41E-03	4.51E-03	4.50E-03
1349 493677.33, 3860352.55	0.17715	5.22E-03	5.33E-03	5.32E-03
1350 493727.33, 3860352.55	0.17272	5.09E-03	5.19E-03	5.19E-03
1351 493777.33, 3860352.55	0.16846	4.96E-03	5.07E-03	5.06E-03
1352 493827.33, 3860352.55	0.16436	4.84E-03	4.94E-03	4.94E-03
1353 493877.33, 3860352.55	0.16025	4.72E-03	4.82E-03	4.81E-03
1354 493927.33, 3860352.55	0.15619	4.60E-03	4.70E-03	4.69E-03
1355 493977.33, 3860352.55	0.15204	4.48E-03	4.57E-03	4.57E-03
1356 494027.33, 3860352.55	0.14859	4.38E-03	4.47E-03	4.46E-03
1357 493677.33, 3860402.55	0.17413	5.13E-03	5.24E-03	5.23E-03
1358 493727.33, 3860402.55	0.16976	5.00E-03	5.10E-03	5.10E-03
1359 493777.33, 3860402.55	0.16504	4.86E-03	4.96E-03	4.96E-03
1360 493827.33, 3860402.55	0.16127	4.75E-03	4.85E-03	4.84E-03
1361 493877.33, 3860402.55	0.15746	4.64E-03	4.73E-03	4.73E-03
1362 493927.33, 3860402.55	0.15341	4.52E-03	4.61E-03	4.61E-03
1363 493977.33, 3860402.55	0.14947	4.40E-03	4.49E-03	4.49E-03
1364 494027.33, 3860402.55	0.14625	4.31E-03	4.40E-03	4.39E-03
1365 493677.33, 3860452.55	0.16996	5.01E-03	5.11E-03	5.10E-03
1366 493727.33, 3860452.55	0.16605	4.89E-03	4.99E-03	4.99E-03
1367 493777.33, 3860452.55	0.16197	4.77E-03	4.87E-03	4.86E-03
1368 493827.33, 3860452.55	0.15786	4.65E-03	4.75E-03	4.74E-03
1369 493877.33, 3860452.55	0.15397	4.54E-03	4.63E-03	4.62E-03
1370 493927.33, 3860452.55	0.1499	4.42E-03	4.51E-03	4.50E-03
1371 493977.33, 3860452.55	0.14653	4.32E-03	4.41E-03	4.40E-03
1372 494027.33, 3860452.55	0.1433	4.22E-03	4.31E-03	4.30E-03
1373 493677.33, 3860502.55	0.16523	4.87E-03	4.97E-03	4.96E-03
1374 493727.33, 3860502.55	0.16131	4.75E-03	4.85E-03	4.84E-03
1375 493777.33, 3860502.55	0.15745	4.64E-03	4.73E-03	4.73E-03
1376 493827.33, 3860502.55	0.15376	4.53E-03	4.62E-03	4.62E-03
1377 493877.33, 3860502.55	0.15011	4.42E-03	4.51E-03	4.51E-03
1378 493927.33, 3860502.55	0.14644	4.32E-03	4.40E-03	4.40E-03
1379 493977.33, 3860502.55	0.14327	4.22E-03	4.31E-03	4.30E-03
1380 494027.33, 3860502.55	0.14013	4.13E-03	4.21E-03	4.21E-03
1381 493627.33, 3860552.55	0.16385	4.83E-03	4.93E-03	4.92E-03
1382 493677.33, 3860552.55	0.15985	4.71E-03	4.81E-03	4.80E-03
1383 493727.33, 3860552.55	0.15605	4.60E-03	4.69E-03	4.69E-03
1384 493777.33, 3860552.55	0.15245	4.49E-03	4.58E-03	4.58E-03
1385 493827.33, 3860552.55	0.14903	4.39E-03	4.48E-03	4.48E-03
1386 493877.33, 3860552.55	0.14573	4.29E-03	4.38E-03	4.38E-03
1387 493927.33, 3860552.55	0.14251	4.20E-03	4.28E-03	4.28E-03
1388 493977.33, 3860552.55	0.13937	4.11E-03	4.19E-03	4.19E-03
1389 494027.33, 3860552.55	0.13646	4.02E-03	4.10E-03	4.10E-03
1390 493627.33, 3860602.55	0.15762	4.64E-03	4.74E-03	4.73E-03
1391 493727.33, 3860602.55	0.14997	4.42E-03	4.51E-03	4.50E-03
1392 493777.33, 3860602.55	0.14689	4.33E-03	4.42E-03	4.41E-03
1393 493827.33, 3860602.55	0.14374	4.24E-03	4.32E-03	4.32E-03
1394 493877.33, 3860602.55	0.14087	4.15E-03	4.24E-03	4.23E-03
1395 493927.33, 3860602.55	0.13793	4.06E-03	4.15E-03	4.14E-03
1396 493977.33, 3860602.55	0.13511	3.98E-03	4.06E-03	4.06E-03
1397 494027.33, 3860602.55	0.13239	3.90E-03	3.98E-03	3.98E-03
1398 493627.33, 3860652.55	0.15092	4.45E-03	4.54E-03	4.53E-03
1399 493727.33, 3860652.55	0.14384	4.24E-03	4.32E-03	4.32E-03

1400	493777.33, 3860652.55	0.1409	4.15E-03	4.24E-03	4.23E-03
1401	493827.33, 3860652.55	0.13822	4.07E-03	4.16E-03	4.15E-03
1402	493877.33, 3860652.55	0.13557	3.99E-03	4.08E-03	4.07E-03
1403	493927.33, 3860652.55	0.13295	3.92E-03	4.00E-03	3.99E-03
1404	493977.33, 3860652.55	0.13035	3.84E-03	3.92E-03	3.91E-03
1405	494027.33, 3860652.55	0.12799	3.77E-03	3.85E-03	3.84E-03
1406	494311.06, 3858401.99	0.03305	9.74E-04	9.94E-04	9.93E-04
1407	494361.06, 3858401.99	0.03267	9.63E-04	9.82E-04	9.81E-04
1408	494411.06, 3858401.99	0.03243	9.56E-04	9.75E-04	9.74E-04
1409	494461.06, 3858401.99	0.03236	9.54E-04	9.73E-04	9.72E-04
1410	494511.06, 3858401.99	0.0321	9.46E-04	9.65E-04	9.64E-04
1411	494561.06, 3858401.99	0.03201	9.43E-04	9.62E-04	9.61E-04
1412	494611.06, 3858401.99	0.03172	9.35E-04	9.54E-04	9.53E-04
1413	494661.06, 3858401.99	0.03149	9.28E-04	9.47E-04	9.46E-04
1414	494711.06, 3858401.99	0.0311	9.16E-04	9.35E-04	9.34E-04
1415	494761.06, 3858401.99	0.03093	9.11E-04	9.30E-04	9.29E-04
1416	494811.06, 3858401.99	0.03063	9.03E-04	9.21E-04	9.20E-04
1417	494861.06, 3858401.99	0.03037	8.95E-04	9.13E-04	9.12E-04
1418	494911.06, 3858401.99	0.03011	8.87E-04	9.05E-04	9.04E-04
1419	494961.06, 3858401.99	0.02982	8.79E-04	8.97E-04	8.96E-04
1420	495011.06, 3858401.99	0.02944	8.67E-04	8.85E-04	8.84E-04
1421	495061.06, 3858401.99	0.02915	8.59E-04	8.76E-04	8.75E-04
1422	495111.06, 3858401.99	0.02857	8.42E-04	8.59E-04	8.58E-04
1423	495161.06, 3858401.99	0.02848	8.39E-04	8.56E-04	8.55E-04
1424	495211.06, 3858401.99	0.02796	8.24E-04	8.41E-04	8.40E-04
1425	495261.06, 3858401.99	0.02769	8.16E-04	8.33E-04	8.32E-04
1426	495311.06, 3858401.99	0.0274	8.07E-04	8.24E-04	8.23E-04
1427	495361.06, 3858401.99	0.0272	8.01E-04	8.18E-04	8.17E-04
1428	495411.06, 3858401.99	0.02709	7.98E-04	8.15E-04	8.14E-04
1429	495461.06, 3858401.99	0.02701	7.96E-04	8.12E-04	8.11E-04
1430	495511.06, 3858401.99	0.0269	7.93E-04	8.09E-04	8.08E-04
1431	495561.06, 3858401.99	0.02656	7.83E-04	7.99E-04	7.98E-04
1432	495611.06, 3858401.99	0.02645	7.79E-04	7.95E-04	7.94E-04
1433	495661.06, 3858401.99	0.02665	7.85E-04	8.01E-04	8.00E-04
1434	494311.06, 3858451.99	0.03486	1.03E-03	1.05E-03	1.05E-03
1435	494361.06, 3858451.99	0.03454	1.02E-03	1.04E-03	1.04E-03
1436	494411.06, 3858451.99	0.03429	1.01E-03	1.03E-03	1.03E-03
1437	494461.06, 3858451.99	0.03407	1.00E-03	1.02E-03	1.02E-03
1438	494511.06, 3858451.99	0.03396	1.00E-03	1.02E-03	1.02E-03
1439	494561.06, 3858451.99	0.03365	9.92E-04	1.01E-03	1.01E-03
1440	494611.06, 3858451.99	0.03342	9.85E-04	1.00E-03	1.00E-03
1441	494661.06, 3858451.99	0.03318	9.78E-04	9.98E-04	9.96E-04
1442	494711.06, 3858451.99	0.03283	9.67E-04	9.87E-04	9.86E-04
1443	494761.06, 3858451.99	0.03247	9.57E-04	9.76E-04	9.75E-04
1444	494811.06, 3858451.99	0.03219	9.49E-04	9.68E-04	9.67E-04
1445	494861.06, 3858451.99	0.03186	9.39E-04	9.58E-04	9.57E-04
1446	494911.06, 3858451.99	0.03139	9.25E-04	9.44E-04	9.43E-04
1447	494961.06, 3858451.99	0.03109	9.16E-04	9.35E-04	9.34E-04
1448	495011.06, 3858451.99	0.03066	9.03E-04	9.22E-04	9.21E-04
1449	495061.06, 3858451.99	0.03047	8.98E-04	9.16E-04	9.15E-04
1450	495111.06, 3858451.99	0.03005	8.85E-04	9.04E-04	9.02E-04
1451	495161.06, 3858451.99	0.02957	8.71E-04	8.89E-04	8.88E-04
1452	495211.06, 3858451.99	0.02914	8.59E-04	8.76E-04	8.75E-04
1453	495261.06, 3858451.99	0.02885	8.50E-04	8.67E-04	8.66E-04
1454	495311.06, 3858451.99	0.02862	8.43E-04	8.61E-04	8.60E-04
1455	495361.06, 3858451.99	0.02842	8.37E-04	8.55E-04	8.54E-04
1456	495411.06, 3858451.99	0.02832	8.34E-04	8.52E-04	8.51E-04
1457	495461.06, 3858451.99	0.02825	8.32E-04	8.49E-04	8.48E-04
1458	495511.06, 3858451.99	0.028	8.25E-04	8.42E-04	8.41E-04
1459	495561.06, 3858451.99	0.02802	8.26E-04	8.43E-04	8.42E-04
1460	495611.06, 3858451.99	0.02772	8.17E-04	8.33E-04	8.33E-04

1461	495661.06, 3858451.99	0.02767	8.15E-04	8.32E-04	8.31E-04
1462	494311.06, 3858501.99	0.03627	1.07E-03	1.09E-03	1.09E-03
1463	494361.06, 3858501.99	0.03607	1.06E-03	1.08E-03	1.08E-03
1464	494411.06, 3858501.99	0.03582	1.06E-03	1.08E-03	1.08E-03
1465	494461.06, 3858501.99	0.03569	1.05E-03	1.07E-03	1.07E-03
1466	494511.06, 3858501.99	0.03532	1.04E-03	1.06E-03	1.06E-03
1467	494561.06, 3858501.99	0.03541	1.04E-03	1.06E-03	1.06E-03
1468	494611.06, 3858501.99	0.0351	1.03E-03	1.06E-03	1.05E-03
1469	494661.06, 3858501.99	0.03491	1.03E-03	1.05E-03	1.05E-03
1470	494711.06, 3858501.99	0.03453	1.02E-03	1.04E-03	1.04E-03
1471	494761.06, 3858501.99	0.03409	1.00E-03	1.03E-03	1.02E-03
1472	494811.06, 3858501.99	0.03368	9.92E-04	1.01E-03	1.01E-03
1473	494861.06, 3858501.99	0.0334	9.84E-04	1.00E-03	1.00E-03
1474	494911.06, 3858501.99	0.03282	9.67E-04	9.87E-04	9.86E-04
1475	494961.06, 3858501.99	0.03253	9.59E-04	9.78E-04	9.77E-04
1476	495011.06, 3858501.99	0.03202	9.44E-04	9.63E-04	9.62E-04
1477	495061.06, 3858501.99	0.03182	9.38E-04	9.57E-04	9.56E-04
1478	495111.06, 3858501.99	0.03117	9.18E-04	9.37E-04	9.36E-04
1479	495161.06, 3858501.99	0.03076	9.06E-04	9.25E-04	9.24E-04
1480	495211.06, 3858501.99	0.03036	8.95E-04	9.13E-04	9.12E-04
1481	495261.06, 3858501.99	0.03007	8.86E-04	9.04E-04	9.03E-04
1482	495311.06, 3858501.99	0.02989	8.81E-04	8.99E-04	8.98E-04
1483	495361.06, 3858501.99	0.02973	8.76E-04	8.94E-04	8.93E-04
1484	495411.06, 3858501.99	0.02961	8.72E-04	8.90E-04	8.89E-04
1485	495461.06, 3858501.99	0.0295	8.69E-04	8.87E-04	8.86E-04
1486	495511.06, 3858501.99	0.02932	8.64E-04	8.82E-04	8.81E-04
1487	495561.06, 3858501.99	0.02932	8.64E-04	8.82E-04	8.81E-04
1488	495611.06, 3858501.99	0.02893	8.52E-04	8.70E-04	8.69E-04
1489	495661.06, 3858501.99	0.02899	8.54E-04	8.72E-04	8.71E-04
1490	494311.06, 3858551.99	0.03697	1.09E-03	1.11E-03	1.11E-03
1491	494361.06, 3858551.99	0.0372	1.10E-03	1.12E-03	1.12E-03
1492	494411.06, 3858551.99	0.03762	1.11E-03	1.13E-03	1.13E-03
1493	494461.06, 3858551.99	0.03758	1.11E-03	1.13E-03	1.13E-03
1494	494511.06, 3858551.99	0.03738	1.10E-03	1.12E-03	1.12E-03
1495	494561.06, 3858551.99	0.03723	1.10E-03	1.12E-03	1.12E-03
1496	494611.06, 3858551.99	0.03697	1.09E-03	1.11E-03	1.11E-03
1497	494661.06, 3858551.99	0.03674	1.08E-03	1.10E-03	1.10E-03
1498	494711.06, 3858551.99	0.03628	1.07E-03	1.09E-03	1.09E-03
1499	494761.06, 3858551.99	0.03582	1.06E-03	1.08E-03	1.08E-03
1500	494811.06, 3858551.99	0.03547	1.05E-03	1.07E-03	1.07E-03
1501	494861.06, 3858551.99	0.035	1.03E-03	1.05E-03	1.05E-03
1502	494911.06, 3858551.99	0.03446	1.02E-03	1.04E-03	1.03E-03
1503	494961.06, 3858551.99	0.03403	1.00E-03	1.02E-03	1.02E-03
1504	495011.06, 3858551.99	0.03348	9.87E-04	1.01E-03	1.01E-03
1505	495061.06, 3858551.99	0.03314	9.77E-04	9.96E-04	9.95E-04
1506	495111.06, 3858551.99	0.03247	9.57E-04	9.76E-04	9.75E-04
1507	495161.06, 3858551.99	0.03204	9.44E-04	9.63E-04	9.62E-04
1508	495211.06, 3858551.99	0.03165	9.33E-04	9.52E-04	9.51E-04
1509	495261.06, 3858551.99	0.03137	9.24E-04	9.43E-04	9.42E-04
1510	495311.06, 3858551.99	0.03123	9.20E-04	9.39E-04	9.38E-04
1511	495361.06, 3858551.99	0.03105	9.15E-04	9.34E-04	9.33E-04
1512	495411.06, 3858551.99	0.03096	9.12E-04	9.31E-04	9.30E-04
1513	495461.06, 3858551.99	0.03081	9.08E-04	9.26E-04	9.25E-04
1514	495511.06, 3858551.99	0.03072	9.05E-04	9.24E-04	9.23E-04
1515	495561.06, 3858551.99	0.03056	9.00E-04	9.19E-04	9.18E-04
1516	495611.06, 3858551.99	0.03037	8.95E-04	9.13E-04	9.12E-04
1517	495661.06, 3858551.99	0.03015	8.88E-04	9.07E-04	9.05E-04
1518	494311.06, 3858601.99	0.03707	1.09E-03	1.11E-03	1.11E-03
1519	494361.06, 3858601.99	0.03837	1.13E-03	1.15E-03	1.15E-03
1520	494411.06, 3858601.99	0.03968	1.17E-03	1.19E-03	1.19E-03
1521	494461.06, 3858601.99	0.03961	1.17E-03	1.19E-03	1.19E-03

1522	494511.06, 3858601.99	0.03913	1.15E-03	1.18E-03	1.18E-03
1523	494561.06, 3858601.99	0.03928	1.16E-03	1.18E-03	1.18E-03
1524	494611.06, 3858601.99	0.03889	1.15E-03	1.17E-03	1.17E-03
1525	494661.06, 3858601.99	0.0386	1.14E-03	1.16E-03	1.16E-03
1526	494711.06, 3858601.99	0.03814	1.12E-03	1.15E-03	1.15E-03
1527	494761.06, 3858601.99	0.03768	1.11E-03	1.13E-03	1.13E-03
1528	494811.06, 3858601.99	0.03698	1.09E-03	1.11E-03	1.11E-03
1529	494861.06, 3858601.99	0.03661	1.08E-03	1.10E-03	1.10E-03
1530	494911.06, 3858601.99	0.03596	1.06E-03	1.08E-03	1.08E-03
1531	494961.06, 3858601.99	0.03549	1.05E-03	1.07E-03	1.07E-03
1532	495011.06, 3858601.99	0.03501	1.03E-03	1.05E-03	1.05E-03
1533	495061.06, 3858601.99	0.0345	1.02E-03	1.04E-03	1.04E-03
1534	495111.06, 3858601.99	0.03376	9.95E-04	1.02E-03	1.01E-03
1535	495161.06, 3858601.99	0.03335	9.83E-04	1.00E-03	1.00E-03
1536	495211.06, 3858601.99	0.03308	9.75E-04	9.95E-04	9.93E-04
1537	495261.06, 3858601.99	0.03277	9.66E-04	9.85E-04	9.84E-04
1538	495311.06, 3858601.99	0.03254	9.59E-04	9.78E-04	9.77E-04
1539	495361.06, 3858601.99	0.03239	9.54E-04	9.74E-04	9.73E-04
1540	495411.06, 3858601.99	0.03225	9.50E-04	9.70E-04	9.69E-04
1541	495461.06, 3858601.99	0.03213	9.47E-04	9.66E-04	9.65E-04
1542	495511.06, 3858601.99	0.03187	9.39E-04	9.58E-04	9.57E-04
1543	495561.06, 3858601.99	0.0318	9.37E-04	9.56E-04	9.55E-04
1544	495611.06, 3858601.99	0.0315	9.28E-04	9.47E-04	9.46E-04
1545	495661.06, 3858601.99	0.03139	9.25E-04	9.44E-04	9.43E-04
1546	494311.06, 3858651.99	0.0382	1.13E-03	1.15E-03	1.15E-03
1547	494361.06, 3858651.99	0.03948	1.16E-03	1.19E-03	1.19E-03
1548	494411.06, 3858651.99	0.04121	1.21E-03	1.24E-03	1.24E-03
1549	494461.06, 3858651.99	0.04162	1.23E-03	1.25E-03	1.25E-03
1550	494511.06, 3858651.99	0.04137	1.22E-03	1.24E-03	1.24E-03
1551	494561.06, 3858651.99	0.04121	1.21E-03	1.24E-03	1.24E-03
1552	494611.06, 3858651.99	0.04096	1.21E-03	1.23E-03	1.23E-03
1553	494661.06, 3858651.99	0.04055	1.19E-03	1.22E-03	1.22E-03
1554	494711.06, 3858651.99	0.03999	1.18E-03	1.20E-03	1.20E-03
1555	494761.06, 3858651.99	0.03954	1.17E-03	1.19E-03	1.19E-03
1556	494811.06, 3858651.99	0.03888	1.15E-03	1.17E-03	1.17E-03
1557	494861.06, 3858651.99	0.03827	1.13E-03	1.15E-03	1.15E-03
1558	494911.06, 3858651.99	0.0376	1.11E-03	1.13E-03	1.13E-03
1559	494961.06, 3858651.99	0.03699	1.09E-03	1.11E-03	1.11E-03
1560	495011.06, 3858651.99	0.03651	1.08E-03	1.10E-03	1.10E-03
1561	495061.06, 3858651.99	0.03596	1.06E-03	1.08E-03	1.08E-03
1562	495111.06, 3858651.99	0.03533	1.04E-03	1.06E-03	1.06E-03
1563	495161.06, 3858651.99	0.03492	1.03E-03	1.05E-03	1.05E-03
1564	495211.06, 3858651.99	0.03443	1.01E-03	1.04E-03	1.03E-03
1565	495261.06, 3858651.99	0.03427	1.01E-03	1.03E-03	1.03E-03
1566	495311.06, 3858651.99	0.03401	1.00E-03	1.02E-03	1.02E-03
1567	495361.06, 3858651.99	0.03384	9.97E-04	1.02E-03	1.02E-03
1568	495411.06, 3858651.99	0.03371	9.93E-04	1.01E-03	1.01E-03
1569	495461.06, 3858651.99	0.03365	9.92E-04	1.01E-03	1.01E-03
1570	495511.06, 3858651.99	0.03334	9.82E-04	1.00E-03	1.00E-03
1571	495561.06, 3858651.99	0.0331	9.75E-04	9.95E-04	9.94E-04
1572	495611.06, 3858651.99	0.03274	9.65E-04	9.84E-04	9.83E-04
1573	495661.06, 3858651.99	0.03261	9.61E-04	9.81E-04	9.79E-04
1574	494311.06, 3858701.99	0.04009	1.18E-03	1.21E-03	1.20E-03
1575	494361.06, 3858701.99	0.042	1.24E-03	1.26E-03	1.26E-03
1576	494411.06, 3858701.99	0.04326	1.27E-03	1.30E-03	1.30E-03
1577	494461.06, 3858701.99	0.04325	1.27E-03	1.30E-03	1.30E-03
1578	494511.06, 3858701.99	0.04346	1.28E-03	1.31E-03	1.31E-03
1579	494561.06, 3858701.99	0.0432	1.27E-03	1.30E-03	1.30E-03
1580	494611.06, 3858701.99	0.04248	1.25E-03	1.28E-03	1.28E-03
1581	494661.06, 3858701.99	0.04241	1.25E-03	1.28E-03	1.27E-03
1582	494711.06, 3858701.99	0.04089	1.20E-03	1.23E-03	1.23E-03

1583	494761.06, 3858701.99	0.04116	1.21E-03	1.24E-03	1.24E-03
1584	494811.06, 3858701.99	0.04046	1.19E-03	1.22E-03	1.22E-03
1585	494861.06, 3858701.99	0.03989	1.18E-03	1.20E-03	1.20E-03
1586	494911.06, 3858701.99	0.03939	1.16E-03	1.18E-03	1.18E-03
1587	494961.06, 3858701.99	0.03842	1.13E-03	1.16E-03	1.15E-03
1588	495011.06, 3858701.99	0.03781	1.11E-03	1.14E-03	1.14E-03
1589	495061.06, 3858701.99	0.03751	1.11E-03	1.13E-03	1.13E-03
1590	495111.06, 3858701.99	0.0368	1.08E-03	1.11E-03	1.11E-03
1591	495161.06, 3858701.99	0.03642	1.07E-03	1.10E-03	1.09E-03
1592	495211.06, 3858701.99	0.03591	1.06E-03	1.08E-03	1.08E-03
1593	495261.06, 3858701.99	0.03576	1.05E-03	1.08E-03	1.07E-03
1594	495311.06, 3858701.99	0.0356	1.05E-03	1.07E-03	1.07E-03
1595	495361.06, 3858701.99	0.03537	1.04E-03	1.06E-03	1.06E-03
1596	495411.06, 3858701.99	0.03527	1.04E-03	1.06E-03	1.06E-03
1597	495461.06, 3858701.99	0.03508	1.03E-03	1.05E-03	1.05E-03
1598	495511.06, 3858701.99	0.03481	1.03E-03	1.05E-03	1.05E-03
1599	495561.06, 3858701.99	0.03449	1.02E-03	1.04E-03	1.04E-03
1600	495611.06, 3858701.99	0.03416	1.01E-03	1.03E-03	1.03E-03
1601	495661.06, 3858701.99	0.03393	1.00E-03	1.02E-03	1.02E-03
1602	494311.06, 3858751.99	0.04206	1.24E-03	1.26E-03	1.26E-03
1603	494361.06, 3858751.99	0.04452	1.31E-03	1.34E-03	1.34E-03
1604	494411.06, 3858751.99	0.04551	1.34E-03	1.37E-03	1.37E-03
1605	494461.06, 3858751.99	0.04547	1.34E-03	1.37E-03	1.37E-03
1606	494511.06, 3858751.99	0.0458	1.35E-03	1.38E-03	1.38E-03
1607	494561.06, 3858751.99	0.04511	1.33E-03	1.36E-03	1.35E-03
1608	494611.06, 3858751.99	0.04455	1.31E-03	1.34E-03	1.34E-03
1609	494661.06, 3858751.99	0.04402	1.30E-03	1.32E-03	1.32E-03
1610	494711.06, 3858751.99	0.0431	1.27E-03	1.30E-03	1.29E-03
1611	494761.06, 3858751.99	0.04304	1.27E-03	1.29E-03	1.29E-03
1612	494811.06, 3858751.99	0.04222	1.24E-03	1.27E-03	1.27E-03
1613	494861.06, 3858751.99	0.0415	1.22E-03	1.25E-03	1.25E-03
1614	494911.06, 3858751.99	0.04071	1.20E-03	1.22E-03	1.22E-03
1615	494961.06, 3858751.99	0.04013	1.18E-03	1.21E-03	1.21E-03
1616	495011.06, 3858751.99	0.03972	1.17E-03	1.19E-03	1.19E-03
1617	495061.06, 3858751.99	0.03912	1.15E-03	1.18E-03	1.17E-03
1618	495111.06, 3858751.99	0.03842	1.13E-03	1.16E-03	1.15E-03
1619	495161.06, 3858751.99	0.038	1.12E-03	1.14E-03	1.14E-03
1620	495211.06, 3858751.99	0.03747	1.10E-03	1.13E-03	1.13E-03
1621	495261.06, 3858751.99	0.03727	1.10E-03	1.12E-03	1.12E-03
1622	495311.06, 3858751.99	0.03711	1.09E-03	1.12E-03	1.11E-03
1623	495361.06, 3858751.99	0.03686	1.09E-03	1.11E-03	1.11E-03
1624	495411.06, 3858751.99	0.0368	1.08E-03	1.11E-03	1.11E-03
1625	495461.06, 3858751.99	0.03659	1.08E-03	1.10E-03	1.10E-03
1626	495511.06, 3858751.99	0.03629	1.07E-03	1.09E-03	1.09E-03
1627	495561.06, 3858751.99	0.03596	1.06E-03	1.08E-03	1.08E-03
1628	495611.06, 3858751.99	0.03562	1.05E-03	1.07E-03	1.07E-03
1629	495661.06, 3858751.99	0.03534	1.04E-03	1.06E-03	1.06E-03
1630	494311.06, 3858801.99	0.04465	1.32E-03	1.34E-03	1.34E-03
1631	494361.06, 3858801.99	0.04697	1.38E-03	1.41E-03	1.41E-03
1632	494411.06, 3858801.99	0.04749	1.40E-03	1.43E-03	1.43E-03
1633	494461.06, 3858801.99	0.04771	1.41E-03	1.43E-03	1.43E-03
1634	494511.06, 3858801.99	0.04811	1.42E-03	1.45E-03	1.44E-03
1635	494561.06, 3858801.99	0.04787	1.41E-03	1.44E-03	1.44E-03
1636	494611.06, 3858801.99	0.04742	1.40E-03	1.43E-03	1.42E-03
1637	494661.06, 3858801.99	0.04668	1.38E-03	1.40E-03	1.40E-03
1638	494711.06, 3858801.99	0.04582	1.35E-03	1.38E-03	1.38E-03
1639	494761.06, 3858801.99	0.04484	1.32E-03	1.35E-03	1.35E-03
1640	494811.06, 3858801.99	0.04384	1.29E-03	1.32E-03	1.32E-03
1641	494861.06, 3858801.99	0.04328	1.28E-03	1.30E-03	1.30E-03
1642	494911.06, 3858801.99	0.04247	1.25E-03	1.28E-03	1.28E-03
1643	494961.06, 3858801.99	0.04186	1.23E-03	1.26E-03	1.26E-03

1644	495011.06, 3858801.99	0.04122	1.21E-03	1.24E-03	1.24E-03
1645	495061.06, 3858801.99	0.04079	1.20E-03	1.23E-03	1.23E-03
1646	495111.06, 3858801.99	0.03998	1.18E-03	1.20E-03	1.20E-03
1647	495161.06, 3858801.99	0.03938	1.16E-03	1.18E-03	1.18E-03
1648	495211.06, 3858801.99	0.03902	1.15E-03	1.17E-03	1.17E-03
1649	495261.06, 3858801.99	0.03882	1.14E-03	1.17E-03	1.17E-03
1650	495311.06, 3858801.99	0.03867	1.14E-03	1.16E-03	1.16E-03
1651	495361.06, 3858801.99	0.03843	1.13E-03	1.16E-03	1.15E-03
1652	495411.06, 3858801.99	0.03843	1.13E-03	1.16E-03	1.15E-03
1653	495461.06, 3858801.99	0.03816	1.12E-03	1.15E-03	1.15E-03
1654	495511.06, 3858801.99	0.0378	1.11E-03	1.14E-03	1.14E-03
1655	495561.06, 3858801.99	0.03749	1.10E-03	1.13E-03	1.13E-03
1656	495611.06, 3858801.99	0.03707	1.09E-03	1.11E-03	1.11E-03
1657	495661.06, 3858801.99	0.03682	1.08E-03	1.11E-03	1.11E-03
1658	494311.06, 3858851.99	0.04899	1.44E-03	1.47E-03	1.47E-03
1659	494361.06, 3858851.99	0.05039	1.48E-03	1.52E-03	1.51E-03
1660	494411.06, 3858851.99	0.05019	1.48E-03	1.51E-03	1.51E-03
1661	494461.06, 3858851.99	0.05021	1.48E-03	1.51E-03	1.51E-03
1662	494511.06, 3858851.99	0.05042	1.49E-03	1.52E-03	1.51E-03
1663	494561.06, 3858851.99	0.05007	1.48E-03	1.51E-03	1.50E-03
1664	494611.06, 3858851.99	0.04946	1.46E-03	1.49E-03	1.49E-03
1665	494661.06, 3858851.99	0.0487	1.44E-03	1.46E-03	1.46E-03
1666	494711.06, 3858851.99	0.04763	1.40E-03	1.43E-03	1.43E-03
1667	494761.06, 3858851.99	0.04661	1.37E-03	1.40E-03	1.40E-03
1668	494811.06, 3858851.99	0.04577	1.35E-03	1.38E-03	1.37E-03
1669	494861.06, 3858851.99	0.04519	1.33E-03	1.36E-03	1.36E-03
1670	494911.06, 3858851.99	0.04441	1.31E-03	1.34E-03	1.33E-03
1671	494961.06, 3858851.99	0.04372	1.29E-03	1.31E-03	1.31E-03
1672	495011.06, 3858851.99	0.04315	1.27E-03	1.30E-03	1.30E-03
1673	495061.06, 3858851.99	0.04249	1.25E-03	1.28E-03	1.28E-03
1674	495111.06, 3858851.99	0.04138	1.22E-03	1.24E-03	1.24E-03
1675	495161.06, 3858851.99	0.04075	1.20E-03	1.23E-03	1.22E-03
1676	495211.06, 3858851.99	0.04069	1.20E-03	1.22E-03	1.22E-03
1677	495261.06, 3858851.99	0.04045	1.19E-03	1.22E-03	1.21E-03
1678	495311.06, 3858851.99	0.04033	1.19E-03	1.21E-03	1.21E-03
1679	495361.06, 3858851.99	0.04012	1.18E-03	1.21E-03	1.20E-03
1680	495411.06, 3858851.99	0.03992	1.18E-03	1.20E-03	1.20E-03
1681	495461.06, 3858851.99	0.03974	1.17E-03	1.19E-03	1.19E-03
1682	495511.06, 3858851.99	0.03935	1.16E-03	1.18E-03	1.18E-03
1683	495561.06, 3858851.99	0.03887	1.15E-03	1.17E-03	1.17E-03
1684	495611.06, 3858851.99	0.03839	1.13E-03	1.15E-03	1.15E-03
1685	495661.06, 3858851.99	0.03821	1.13E-03	1.15E-03	1.15E-03
1686	494311.06, 3858901.99	0.05197	1.53E-03	1.56E-03	1.56E-03
1687	494361.06, 3858901.99	0.05303	1.56E-03	1.59E-03	1.59E-03
1688	494411.06, 3858901.99	0.05302	1.56E-03	1.59E-03	1.59E-03
1689	494461.06, 3858901.99	0.05341	1.57E-03	1.61E-03	1.60E-03
1690	494511.06, 3858901.99	0.05324	1.57E-03	1.60E-03	1.60E-03
1691	494561.06, 3858901.99	0.05256	1.55E-03	1.58E-03	1.58E-03
1692	494611.06, 3858901.99	0.05142	1.52E-03	1.55E-03	1.54E-03
1693	494661.06, 3858901.99	0.05077	1.50E-03	1.53E-03	1.52E-03
1694	494711.06, 3858901.99	0.04972	1.47E-03	1.49E-03	1.49E-03
1695	494761.06, 3858901.99	0.04852	1.43E-03	1.46E-03	1.46E-03
1696	494811.06, 3858901.99	0.04778	1.41E-03	1.44E-03	1.43E-03
1697	494861.06, 3858901.99	0.04721	1.39E-03	1.42E-03	1.42E-03
1698	494911.06, 3858901.99	0.04607	1.36E-03	1.39E-03	1.38E-03
1699	494961.06, 3858901.99	0.04541	1.34E-03	1.37E-03	1.36E-03
1700	495011.06, 3858901.99	0.04478	1.32E-03	1.35E-03	1.34E-03
1701	495061.06, 3858901.99	0.0439	1.29E-03	1.32E-03	1.32E-03
1702	495111.06, 3858901.99	0.04271	1.26E-03	1.28E-03	1.28E-03
1703	495161.06, 3858901.99	0.04229	1.25E-03	1.27E-03	1.27E-03
1704	495211.06, 3858901.99	0.04238	1.25E-03	1.27E-03	1.27E-03

1705	495261.06, 3858901.99	0.0422	1.24E-03	1.27E-03	1.27E-03
1706	495311.06, 3858901.99	0.04193	1.24E-03	1.26E-03	1.26E-03
1707	495361.06, 3858901.99	0.04169	1.23E-03	1.25E-03	1.25E-03
1708	495411.06, 3858901.99	0.04159	1.23E-03	1.25E-03	1.25E-03
1709	495461.06, 3858901.99	0.04126	1.22E-03	1.24E-03	1.24E-03
1710	495511.06, 3858901.99	0.0408	1.20E-03	1.23E-03	1.23E-03
1711	495561.06, 3858901.99	0.0404	1.19E-03	1.21E-03	1.21E-03
1712	495611.06, 3858901.99	0.0399	1.18E-03	1.20E-03	1.20E-03
1713	495661.06, 3858901.99	0.03974	1.17E-03	1.19E-03	1.19E-03
1714	494311.06, 3858951.99	0.05583	1.65E-03	1.68E-03	1.68E-03
1715	494361.06, 3858951.99	0.05619	1.66E-03	1.69E-03	1.69E-03
1716	494411.06, 3858951.99	0.05565	1.64E-03	1.67E-03	1.67E-03
1717	494461.06, 3858951.99	0.05609	1.65E-03	1.69E-03	1.68E-03
1718	494511.06, 3858951.99	0.05566	1.64E-03	1.67E-03	1.67E-03
1719	494561.06, 3858951.99	0.05493	1.62E-03	1.65E-03	1.65E-03
1720	494611.06, 3858951.99	0.05389	1.59E-03	1.62E-03	1.62E-03
1721	494661.06, 3858951.99	0.05293	1.56E-03	1.59E-03	1.59E-03
1722	494711.06, 3858951.99	0.05163	1.52E-03	1.55E-03	1.55E-03
1723	494761.06, 3858951.99	0.05066	1.49E-03	1.52E-03	1.52E-03
1724	494811.06, 3858951.99	0.04996	1.47E-03	1.50E-03	1.50E-03
1725	494861.06, 3858951.99	0.04927	1.45E-03	1.48E-03	1.48E-03
1726	494911.06, 3858951.99	0.0483	1.42E-03	1.45E-03	1.45E-03
1727	494961.06, 3858951.99	0.04776	1.41E-03	1.44E-03	1.43E-03
1728	495011.06, 3858951.99	0.04637	1.37E-03	1.39E-03	1.39E-03
1729	495061.06, 3858951.99	0.04507	1.33E-03	1.36E-03	1.35E-03
1730	495111.06, 3858951.99	0.04407	1.30E-03	1.33E-03	1.32E-03
1731	495161.06, 3858951.99	0.04432	1.31E-03	1.33E-03	1.33E-03
1732	495211.06, 3858951.99	0.04414	1.30E-03	1.33E-03	1.33E-03
1733	495261.06, 3858951.99	0.04395	1.30E-03	1.32E-03	1.32E-03
1734	495311.06, 3858951.99	0.0434	1.28E-03	1.30E-03	1.30E-03
1735	495361.06, 3858951.99	0.04326	1.27E-03	1.30E-03	1.30E-03
1736	495411.06, 3858951.99	0.04319	1.27E-03	1.30E-03	1.30E-03
1737	495461.06, 3858951.99	0.04288	1.26E-03	1.29E-03	1.29E-03
1738	495511.06, 3858951.99	0.04271	1.26E-03	1.28E-03	1.28E-03
1739	495561.06, 3858951.99	0.04196	1.24E-03	1.26E-03	1.26E-03
1740	495611.06, 3858951.99	0.04148	1.22E-03	1.25E-03	1.25E-03
1741	495661.06, 3858951.99	0.04132	1.22E-03	1.24E-03	1.24E-03
1742	494311.06, 3859001.99	0.05935	1.75E-03	1.78E-03	1.78E-03
1743	494361.06, 3859001.99	0.05913	1.74E-03	1.78E-03	1.78E-03
1744	494411.06, 3859001.99	0.0593	1.75E-03	1.78E-03	1.78E-03
1745	494461.06, 3859001.99	0.05885	1.73E-03	1.77E-03	1.77E-03
1746	494511.06, 3859001.99	0.05839	1.72E-03	1.76E-03	1.75E-03
1747	494561.06, 3859001.99	0.05729	1.69E-03	1.72E-03	1.72E-03
1748	494611.06, 3859001.99	0.05628	1.66E-03	1.69E-03	1.69E-03
1749	494661.06, 3859001.99	0.05508	1.62E-03	1.66E-03	1.65E-03
1750	494711.06, 3859001.99	0.05371	1.58E-03	1.61E-03	1.61E-03
1751	494761.06, 3859001.99	0.05285	1.56E-03	1.59E-03	1.59E-03
1752	494811.06, 3859001.99	0.05229	1.54E-03	1.57E-03	1.57E-03
1753	494861.06, 3859001.99	0.05138	1.51E-03	1.54E-03	1.54E-03
1754	494911.06, 3859001.99	0.05042	1.49E-03	1.52E-03	1.51E-03
1755	494961.06, 3859001.99	0.04946	1.46E-03	1.49E-03	1.49E-03
1756	495011.06, 3859001.99	0.04719	1.39E-03	1.42E-03	1.42E-03
1757	495061.06, 3859001.99	0.04664	1.37E-03	1.40E-03	1.40E-03
1758	495111.06, 3859001.99	0.04564	1.34E-03	1.37E-03	1.37E-03
1759	495161.06, 3859001.99	0.04615	1.36E-03	1.39E-03	1.39E-03
1760	495211.06, 3859001.99	0.04582	1.35E-03	1.38E-03	1.38E-03
1761	495261.06, 3859001.99	0.04566	1.35E-03	1.37E-03	1.37E-03
1762	495311.06, 3859001.99	0.04529	1.33E-03	1.36E-03	1.36E-03
1763	495361.06, 3859001.99	0.04511	1.33E-03	1.36E-03	1.35E-03
1764	495411.06, 3859001.99	0.04483	1.32E-03	1.35E-03	1.35E-03
1765	495461.06, 3859001.99	0.0446	1.31E-03	1.34E-03	1.34E-03

1766	495511.06, 3859001.99	0.04396	1.30E-03	1.32E-03	1.32E-03
1767	495561.06, 3859001.99	0.04354	1.28E-03	1.31E-03	1.31E-03
1768	495611.06, 3859001.99	0.04308	1.27E-03	1.30E-03	1.29E-03
1769	495661.06, 3859001.99	0.04314	1.27E-03	1.30E-03	1.30E-03
1770	494311.06, 3859051.99	0.06272	1.85E-03	1.89E-03	1.88E-03
1771	494361.06, 3859051.99	0.06304	1.86E-03	1.90E-03	1.89E-03
1772	494411.06, 3859051.99	0.06236	1.84E-03	1.88E-03	1.87E-03
1773	494461.06, 3859051.99	0.06156	1.81E-03	1.85E-03	1.85E-03
1774	494511.06, 3859051.99	0.06055	1.78E-03	1.82E-03	1.82E-03
1775	494561.06, 3859051.99	0.0597	1.76E-03	1.80E-03	1.79E-03
1776	494611.06, 3859051.99	0.05858	1.73E-03	1.76E-03	1.76E-03
1777	494661.06, 3859051.99	0.0574	1.69E-03	1.73E-03	1.72E-03
1778	494711.06, 3859051.99	0.05631	1.66E-03	1.69E-03	1.69E-03
1779	494761.06, 3859051.99	0.05519	1.63E-03	1.66E-03	1.66E-03
1780	494811.06, 3859051.99	0.05438	1.60E-03	1.64E-03	1.63E-03
1781	494861.06, 3859051.99	0.05355	1.58E-03	1.61E-03	1.61E-03
1782	494911.06, 3859051.99	0.05235	1.54E-03	1.57E-03	1.57E-03
1783	494961.06, 3859051.99	0.05068	1.49E-03	1.52E-03	1.52E-03
1784	495011.06, 3859051.99	0.04942	1.46E-03	1.49E-03	1.48E-03
1785	495061.06, 3859051.99	0.04855	1.43E-03	1.46E-03	1.46E-03
1786	495111.06, 3859051.99	0.04801	1.41E-03	1.44E-03	1.44E-03
1787	495161.06, 3859051.99	0.04818	1.42E-03	1.45E-03	1.45E-03
1788	495211.06, 3859051.99	0.04756	1.40E-03	1.43E-03	1.43E-03
1789	495261.06, 3859051.99	0.04754	1.40E-03	1.43E-03	1.43E-03
1790	495311.06, 3859051.99	0.04708	1.39E-03	1.42E-03	1.41E-03
1791	495361.06, 3859051.99	0.0468	1.38E-03	1.41E-03	1.41E-03
1792	495411.06, 3859051.99	0.04664	1.37E-03	1.40E-03	1.40E-03
1793	495461.06, 3859051.99	0.04647	1.37E-03	1.40E-03	1.40E-03
1794	495511.06, 3859051.99	0.04576	1.35E-03	1.38E-03	1.37E-03
1795	495561.06, 3859051.99	0.0452	1.33E-03	1.36E-03	1.36E-03
1796	495611.06, 3859051.99	0.04469	1.32E-03	1.34E-03	1.34E-03
1797	495661.06, 3859051.99	0.0447	1.32E-03	1.34E-03	1.34E-03
1798	494311.06, 3859101.99	0.06684	1.97E-03	2.01E-03	2.01E-03
1799	494361.06, 3859101.99	0.06615	1.95E-03	1.99E-03	1.99E-03
1800	494411.06, 3859101.99	0.06559	1.93E-03	1.97E-03	1.97E-03
1801	494461.06, 3859101.99	0.06466	1.91E-03	1.94E-03	1.94E-03
1802	494511.06, 3859101.99	0.06337	1.87E-03	1.91E-03	1.90E-03
1803	494561.06, 3859101.99	0.06235	1.84E-03	1.87E-03	1.87E-03
1804	494611.06, 3859101.99	0.06086	1.79E-03	1.83E-03	1.83E-03
1805	494661.06, 3859101.99	0.0599	1.77E-03	1.80E-03	1.80E-03
1806	494711.06, 3859101.99	0.0583	1.72E-03	1.75E-03	1.75E-03
1807	494761.06, 3859101.99	0.05779	1.70E-03	1.74E-03	1.74E-03
1808	494811.06, 3859101.99	0.05672	1.67E-03	1.71E-03	1.70E-03
1809	494861.06, 3859101.99	0.05576	1.64E-03	1.68E-03	1.67E-03
1810	494911.06, 3859101.99	0.05445	1.60E-03	1.64E-03	1.64E-03
1811	494961.06, 3859101.99	0.05258	1.55E-03	1.58E-03	1.58E-03
1812	495011.06, 3859101.99	0.0507	1.49E-03	1.52E-03	1.52E-03
1813	495061.06, 3859101.99	0.05054	1.49E-03	1.52E-03	1.52E-03
1814	495111.06, 3859101.99	0.04991	1.47E-03	1.50E-03	1.50E-03
1815	495161.06, 3859101.99	0.05005	1.47E-03	1.50E-03	1.50E-03
1816	495211.06, 3859101.99	0.04946	1.46E-03	1.49E-03	1.49E-03
1817	495261.06, 3859101.99	0.0493	1.45E-03	1.48E-03	1.48E-03
1818	495311.06, 3859101.99	0.04882	1.44E-03	1.47E-03	1.47E-03
1819	495361.06, 3859101.99	0.04885	1.44E-03	1.47E-03	1.47E-03
1820	495411.06, 3859101.99	0.04857	1.43E-03	1.46E-03	1.46E-03
1821	495461.06, 3859101.99	0.0478	1.41E-03	1.44E-03	1.44E-03
1822	495511.06, 3859101.99	0.04742	1.40E-03	1.43E-03	1.42E-03
1823	495561.06, 3859101.99	0.04709	1.39E-03	1.42E-03	1.41E-03
1824	495611.06, 3859101.99	0.04647	1.37E-03	1.40E-03	1.40E-03
1825	495661.06, 3859101.99	0.04628	1.36E-03	1.39E-03	1.39E-03
1826	494311.06, 3859151.99	0.07033	2.07E-03	2.11E-03	2.11E-03

1827	494361.06, 3859151.99	0.0698	2.06E-03	2.10E-03	2.10E-03
1828	494411.06, 3859151.99	0.06862	2.02E-03	2.06E-03	2.06E-03
1829	494461.06, 3859151.99	0.06743	1.99E-03	2.03E-03	2.03E-03
1830	494511.06, 3859151.99	0.06594	1.94E-03	1.98E-03	1.98E-03
1831	494561.06, 3859151.99	0.06502	1.92E-03	1.96E-03	1.95E-03
1832	494611.06, 3859151.99	0.06358	1.87E-03	1.91E-03	1.91E-03
1833	494661.06, 3859151.99	0.06262	1.85E-03	1.88E-03	1.88E-03
1834	494711.06, 3859151.99	0.06179	1.82E-03	1.86E-03	1.86E-03
1835	494761.06, 3859151.99	0.06021	1.77E-03	1.81E-03	1.81E-03
1836	494811.06, 3859151.99	0.0589	1.74E-03	1.77E-03	1.77E-03
1837	494861.06, 3859151.99	0.05801	1.71E-03	1.74E-03	1.74E-03
1838	494911.06, 3859151.99	0.05648	1.66E-03	1.70E-03	1.70E-03
1839	494961.06, 3859151.99	0.05433	1.60E-03	1.63E-03	1.63E-03
1840	495011.06, 3859151.99	0.05274	1.55E-03	1.59E-03	1.58E-03
1841	495061.06, 3859151.99	0.05241	1.54E-03	1.58E-03	1.57E-03
1842	495111.06, 3859151.99	0.05193	1.53E-03	1.56E-03	1.56E-03
1843	495161.06, 3859151.99	0.05206	1.53E-03	1.57E-03	1.56E-03
1844	495211.06, 3859151.99	0.05164	1.52E-03	1.55E-03	1.55E-03
1845	495261.06, 3859151.99	0.05123	1.51E-03	1.54E-03	1.54E-03
1846	495311.06, 3859151.99	0.0509	1.50E-03	1.53E-03	1.53E-03
1847	495361.06, 3859151.99	0.05052	1.49E-03	1.52E-03	1.52E-03
1848	495411.06, 3859151.99	0.05059	1.49E-03	1.52E-03	1.52E-03
1849	495461.06, 3859151.99	0.05025	1.48E-03	1.51E-03	1.51E-03
1850	495511.06, 3859151.99	0.04951	1.46E-03	1.49E-03	1.49E-03
1851	495561.06, 3859151.99	0.04894	1.44E-03	1.47E-03	1.47E-03
1852	495611.06, 3859151.99	0.04844	1.43E-03	1.46E-03	1.45E-03
1853	495661.06, 3859151.99	0.04799	1.41E-03	1.44E-03	1.44E-03
1854	494311.06, 3859201.99	0.07392	2.18E-03	2.22E-03	2.22E-03
1855	494361.06, 3859201.99	0.07305	2.15E-03	2.20E-03	2.19E-03
1856	494411.06, 3859201.99	0.07192	2.12E-03	2.16E-03	2.16E-03
1857	494461.06, 3859201.99	0.07036	2.07E-03	2.12E-03	2.11E-03
1858	494511.06, 3859201.99	0.06929	2.04E-03	2.08E-03	2.08E-03
1859	494561.06, 3859201.99	0.06763	1.99E-03	2.03E-03	2.03E-03
1860	494611.06, 3859201.99	0.06633	1.95E-03	1.99E-03	1.99E-03
1861	494661.06, 3859201.99	0.06528	1.92E-03	1.96E-03	1.96E-03
1862	494711.06, 3859201.99	0.06424	1.89E-03	1.93E-03	1.93E-03
1863	494761.06, 3859201.99	0.06265	1.85E-03	1.88E-03	1.88E-03
1864	494811.06, 3859201.99	0.06134	1.81E-03	1.84E-03	1.84E-03
1865	494861.06, 3859201.99	0.05968	1.76E-03	1.79E-03	1.79E-03
1866	494911.06, 3859201.99	0.05811	1.71E-03	1.75E-03	1.75E-03
1867	494961.06, 3859201.99	0.05632	1.66E-03	1.69E-03	1.69E-03
1868	495011.06, 3859201.99	0.05407	1.59E-03	1.63E-03	1.62E-03
1869	495061.06, 3859201.99	0.05461	1.61E-03	1.64E-03	1.64E-03
1870	495111.06, 3859201.99	0.05436	1.60E-03	1.63E-03	1.63E-03
1871	495161.06, 3859201.99	0.05402	1.59E-03	1.62E-03	1.62E-03
1872	495211.06, 3859201.99	0.05339	1.57E-03	1.61E-03	1.60E-03
1873	495261.06, 3859201.99	0.05318	1.57E-03	1.60E-03	1.60E-03
1874	495311.06, 3859201.99	0.05283	1.56E-03	1.59E-03	1.59E-03
1875	495361.06, 3859201.99	0.05254	1.55E-03	1.58E-03	1.58E-03
1876	495411.06, 3859201.99	0.05252	1.55E-03	1.58E-03	1.58E-03
1877	495461.06, 3859201.99	0.05204	1.53E-03	1.56E-03	1.56E-03
1878	495511.06, 3859201.99	0.05158	1.52E-03	1.55E-03	1.55E-03
1879	495561.06, 3859201.99	0.05075	1.50E-03	1.53E-03	1.52E-03
1880	495611.06, 3859201.99	0.05012	1.48E-03	1.51E-03	1.51E-03
1881	495661.06, 3859201.99	0.04966	1.46E-03	1.49E-03	1.49E-03
1882	494311.06, 3859251.99	0.07771	2.29E-03	2.34E-03	2.33E-03
1883	494361.06, 3859251.99	0.07636	2.25E-03	2.30E-03	2.29E-03
1884	494411.06, 3859251.99	0.0746	2.20E-03	2.24E-03	2.24E-03
1885	494461.06, 3859251.99	0.07342	2.16E-03	2.21E-03	2.20E-03
1886	494511.06, 3859251.99	0.0716	2.11E-03	2.15E-03	2.15E-03
1887	494561.06, 3859251.99	0.07038	2.07E-03	2.12E-03	2.11E-03

1888 494611.06, 3859251.99	0.06887	2.03E-03	2.07E-03	2.07E-03
1889 494661.06, 3859251.99	0.06798	2.00E-03	2.04E-03	2.04E-03
1890 494711.06, 3859251.99	0.06684	1.97E-03	2.01E-03	2.01E-03
1891 494761.06, 3859251.99	0.06412	1.89E-03	1.93E-03	1.93E-03
1892 494811.06, 3859251.99	0.06378	1.88E-03	1.92E-03	1.92E-03
1893 494861.06, 3859251.99	0.06131	1.81E-03	1.84E-03	1.84E-03
1894 494911.06, 3859251.99	0.05974	1.76E-03	1.80E-03	1.79E-03
1895 494961.06, 3859251.99	0.05869	1.73E-03	1.76E-03	1.76E-03
1896 495011.06, 3859251.99	0.05748	1.69E-03	1.73E-03	1.73E-03
1897 495061.06, 3859251.99	0.0573	1.69E-03	1.72E-03	1.72E-03
1898 495111.06, 3859251.99	0.05669	1.67E-03	1.70E-03	1.70E-03
1899 495161.06, 3859251.99	0.05629	1.66E-03	1.69E-03	1.69E-03
1900 495211.06, 3859251.99	0.05565	1.64E-03	1.67E-03	1.67E-03
1901 495261.06, 3859251.99	0.05507	1.62E-03	1.66E-03	1.65E-03
1902 495311.06, 3859251.99	0.05507	1.62E-03	1.66E-03	1.65E-03
1903 495361.06, 3859251.99	0.05462	1.61E-03	1.64E-03	1.64E-03
1904 495411.06, 3859251.99	0.05451	1.61E-03	1.64E-03	1.64E-03
1905 495461.06, 3859251.99	0.05403	1.59E-03	1.62E-03	1.62E-03
1906 495511.06, 3859251.99	0.05314	1.57E-03	1.60E-03	1.60E-03
1907 495561.06, 3859251.99	0.05257	1.55E-03	1.58E-03	1.58E-03
1908 495611.06, 3859251.99	0.05179	1.53E-03	1.56E-03	1.56E-03
1909 495661.06, 3859251.99	0.05122	1.51E-03	1.54E-03	1.54E-03
1910 494311.06, 3859301.99	0.0815	2.40E-03	2.45E-03	2.45E-03
1911 494361.06, 3859301.99	0.07995	2.36E-03	2.40E-03	2.40E-03
1912 494411.06, 3859301.99	0.07804	2.30E-03	2.35E-03	2.34E-03
1913 494461.06, 3859301.99	0.07618	2.24E-03	2.29E-03	2.29E-03
1914 494511.06, 3859301.99	0.07457	2.20E-03	2.24E-03	2.24E-03
1915 494561.06, 3859301.99	0.07328	2.16E-03	2.20E-03	2.20E-03
1916 494611.06, 3859301.99	0.07188	2.12E-03	2.16E-03	2.16E-03
1917 494661.06, 3859301.99	0.07055	2.08E-03	2.12E-03	2.12E-03
1918 494711.06, 3859301.99	0.069	2.03E-03	2.07E-03	2.07E-03
1919 494761.06, 3859301.99	0.06764	1.99E-03	2.03E-03	2.03E-03
1920 494811.06, 3859301.99	0.06583	1.94E-03	1.98E-03	1.98E-03
1921 494861.06, 3859301.99	0.06349	1.87E-03	1.91E-03	1.91E-03
1922 494911.06, 3859301.99	0.06225	1.83E-03	1.87E-03	1.87E-03
1923 494961.06, 3859301.99	0.05997	1.77E-03	1.80E-03	1.80E-03
1924 495011.06, 3859301.99	0.05904	1.74E-03	1.78E-03	1.77E-03
1925 495061.06, 3859301.99	0.05945	1.75E-03	1.79E-03	1.79E-03
1926 495111.06, 3859301.99	0.05839	1.72E-03	1.76E-03	1.75E-03
1927 495161.06, 3859301.99	0.05809	1.71E-03	1.75E-03	1.74E-03
1928 495211.06, 3859301.99	0.05806	1.71E-03	1.75E-03	1.74E-03
1929 495261.06, 3859301.99	0.05777	1.70E-03	1.74E-03	1.73E-03
1930 495311.06, 3859301.99	0.0569	1.68E-03	1.71E-03	1.71E-03
1931 495361.06, 3859301.99	0.0567	1.67E-03	1.70E-03	1.70E-03
1932 495411.06, 3859301.99	0.05629	1.66E-03	1.69E-03	1.69E-03
1933 495461.06, 3859301.99	0.05595	1.65E-03	1.68E-03	1.68E-03
1934 495511.06, 3859301.99	0.05516	1.63E-03	1.66E-03	1.66E-03
1935 495561.06, 3859301.99	0.05402	1.59E-03	1.62E-03	1.62E-03
1936 495611.06, 3859301.99	0.05343	1.57E-03	1.61E-03	1.60E-03
1937 495661.06, 3859301.99	0.05283	1.56E-03	1.59E-03	1.59E-03
1938 494311.06, 3859351.99	0.08493	2.50E-03	2.55E-03	2.55E-03
1939 494361.06, 3859351.99	0.08323	2.45E-03	2.50E-03	2.50E-03
1940 494411.06, 3859351.99	0.08101	2.39E-03	2.44E-03	2.43E-03
1941 494461.06, 3859351.99	0.07913	2.33E-03	2.38E-03	2.38E-03
1942 494511.06, 3859351.99	0.07747	2.28E-03	2.33E-03	2.33E-03
1943 494561.06, 3859351.99	0.0762	2.25E-03	2.29E-03	2.29E-03
1944 494611.06, 3859351.99	0.07477	2.20E-03	2.25E-03	2.25E-03
1945 494661.06, 3859351.99	0.07331	2.16E-03	2.20E-03	2.20E-03
1946 494711.06, 3859351.99	0.07153	2.11E-03	2.15E-03	2.15E-03
1947 494761.06, 3859351.99	0.0691	2.04E-03	2.08E-03	2.08E-03
1948 494811.06, 3859351.99	0.06678	1.97E-03	2.01E-03	2.01E-03

1949	494861.06, 3859351.99	0.06564	1.93E-03	1.97E-03	1.97E-03
1950	494911.06, 3859351.99	0.0648	1.91E-03	1.95E-03	1.95E-03
1951	494961.06, 3859351.99	0.06355	1.87E-03	1.91E-03	1.91E-03
1952	495011.06, 3859351.99	0.06261	1.84E-03	1.88E-03	1.88E-03
1953	495061.06, 3859351.99	0.06275	1.85E-03	1.89E-03	1.88E-03
1954	495111.06, 3859351.99	0.06173	1.82E-03	1.86E-03	1.85E-03
1955	495161.06, 3859351.99	0.06113	1.80E-03	1.84E-03	1.84E-03
1956	495211.06, 3859351.99	0.06049	1.78E-03	1.82E-03	1.82E-03
1957	495261.06, 3859351.99	0.06013	1.77E-03	1.81E-03	1.81E-03
1958	495311.06, 3859351.99	0.05928	1.75E-03	1.78E-03	1.78E-03
1959	495361.06, 3859351.99	0.05871	1.73E-03	1.77E-03	1.76E-03
1960	495411.06, 3859351.99	0.05833	1.72E-03	1.75E-03	1.75E-03
1961	495461.06, 3859351.99	0.05807	1.71E-03	1.75E-03	1.74E-03
1962	495511.06, 3859351.99	0.05701	1.68E-03	1.71E-03	1.71E-03
1963	495561.06, 3859351.99	0.05618	1.66E-03	1.69E-03	1.69E-03
1964	495611.06, 3859351.99	0.05554	1.64E-03	1.67E-03	1.67E-03
1965	495661.06, 3859351.99	0.05452	1.61E-03	1.64E-03	1.64E-03
1966	494311.06, 3859401.99	0.08894	2.62E-03	2.67E-03	2.67E-03
1967	494361.06, 3859401.99	0.08649	2.55E-03	2.60E-03	2.60E-03
1968	494411.06, 3859401.99	0.08403	2.48E-03	2.53E-03	2.52E-03
1969	494461.06, 3859401.99	0.08219	2.42E-03	2.47E-03	2.47E-03
1970	494511.06, 3859401.99	0.0809	2.38E-03	2.43E-03	2.43E-03
1971	494561.06, 3859401.99	0.07943	2.34E-03	2.39E-03	2.39E-03
1972	494611.06, 3859401.99	0.0777	2.29E-03	2.34E-03	2.33E-03
1973	494661.06, 3859401.99	0.07641	2.25E-03	2.30E-03	2.29E-03
1974	494711.06, 3859401.99	0.07493	2.21E-03	2.25E-03	2.25E-03
1975	494761.06, 3859401.99	0.07206	2.12E-03	2.17E-03	2.16E-03
1976	494811.06, 3859401.99	0.07063	2.08E-03	2.12E-03	2.12E-03
1977	494861.06, 3859401.99	0.06847	2.02E-03	2.06E-03	2.06E-03
1978	494911.06, 3859401.99	0.06687	1.97E-03	2.01E-03	2.01E-03
1979	494961.06, 3859401.99	0.06619	1.95E-03	1.99E-03	1.99E-03
1980	495011.06, 3859401.99	0.06552	1.93E-03	1.97E-03	1.97E-03
1981	495061.06, 3859401.99	0.06472	1.91E-03	1.95E-03	1.94E-03
1982	495111.06, 3859401.99	0.06363	1.87E-03	1.91E-03	1.91E-03
1983	495161.06, 3859401.99	0.06335	1.87E-03	1.90E-03	1.90E-03
1984	495211.06, 3859401.99	0.06299	1.86E-03	1.89E-03	1.89E-03
1985	495261.06, 3859401.99	0.06232	1.84E-03	1.87E-03	1.87E-03
1986	495311.06, 3859401.99	0.0616	1.82E-03	1.85E-03	1.85E-03
1987	495361.06, 3859401.99	0.06134	1.81E-03	1.84E-03	1.84E-03
1988	495411.06, 3859401.99	0.06081	1.79E-03	1.83E-03	1.83E-03
1989	495461.06, 3859401.99	0.06	1.77E-03	1.80E-03	1.80E-03
1990	495511.06, 3859401.99	0.05891	1.74E-03	1.77E-03	1.77E-03
1991	495561.06, 3859401.99	0.0577	1.70E-03	1.73E-03	1.73E-03
1992	495611.06, 3859401.99	0.05696	1.68E-03	1.71E-03	1.71E-03
1993	495661.06, 3859401.99	0.05631	1.66E-03	1.69E-03	1.69E-03
1994	494311.06, 3859451.99	0.09203	2.71E-03	2.77E-03	2.76E-03
1995	494361.06, 3859451.99	0.08967	2.64E-03	2.70E-03	2.69E-03
1996	494411.06, 3859451.99	0.08652	2.55E-03	2.60E-03	2.60E-03
1997	494461.06, 3859451.99	0.08533	2.51E-03	2.57E-03	2.56E-03
1998	494511.06, 3859451.99	0.08347	2.46E-03	2.51E-03	2.51E-03
1999	494561.06, 3859451.99	0.08195	2.41E-03	2.46E-03	2.46E-03
2000	494611.06, 3859451.99	0.08097	2.39E-03	2.43E-03	2.43E-03
2001	494661.06, 3859451.99	0.0791	2.33E-03	2.38E-03	2.38E-03
2002	494711.06, 3859451.99	0.07728	2.28E-03	2.32E-03	2.32E-03
2003	494761.06, 3859451.99	0.07575	2.23E-03	2.28E-03	2.27E-03
2004	494811.06, 3859451.99	0.0736	2.17E-03	2.21E-03	2.21E-03
2005	494861.06, 3859451.99	0.07186	2.12E-03	2.16E-03	2.16E-03
2006	494911.06, 3859451.99	0.07051	2.08E-03	2.12E-03	2.12E-03
2007	494961.06, 3859451.99	0.06963	2.05E-03	2.09E-03	2.09E-03
2008	495011.06, 3859451.99	0.0686	2.02E-03	2.06E-03	2.06E-03
2009	495061.06, 3859451.99	0.06759	1.99E-03	2.03E-03	2.03E-03

2010 495111.06, 3859451.99	0.06657	1.96E-03	2.00E-03	2.00E-03
2011 495161.06, 3859451.99	0.06598	1.94E-03	1.98E-03	1.98E-03
2012 495211.06, 3859451.99	0.06553	1.93E-03	1.97E-03	1.97E-03
2013 495261.06, 3859451.99	0.06502	1.92E-03	1.96E-03	1.95E-03
2014 495311.06, 3859451.99	0.06421	1.89E-03	1.93E-03	1.93E-03
2015 495361.06, 3859451.99	0.06354	1.87E-03	1.91E-03	1.91E-03
2016 495411.06, 3859451.99	0.06272	1.85E-03	1.89E-03	1.88E-03
2017 495461.06, 3859451.99	0.06204	1.83E-03	1.87E-03	1.86E-03
2018 495511.06, 3859451.99	0.06075	1.79E-03	1.83E-03	1.82E-03
2019 495561.06, 3859451.99	0.05987	1.76E-03	1.80E-03	1.80E-03
2020 495611.06, 3859451.99	0.05903	1.74E-03	1.77E-03	1.77E-03
2021 495661.06, 3859451.99	0.05825	1.72E-03	1.75E-03	1.75E-03
2022 494311.06, 3859501.99	0.0956	2.82E-03	2.87E-03	2.87E-03
2023 494361.06, 3859501.99	0.09306	2.74E-03	2.80E-03	2.79E-03
2024 494411.06, 3859501.99	0.08905	2.62E-03	2.68E-03	2.67E-03
2025 494461.06, 3859501.99	0.08869	2.61E-03	2.67E-03	2.66E-03
2026 494511.06, 3859501.99	0.0865	2.55E-03	2.60E-03	2.60E-03
2027 494561.06, 3859501.99	0.08465	2.49E-03	2.55E-03	2.54E-03
2028 494611.06, 3859501.99	0.08441	2.49E-03	2.54E-03	2.54E-03
2029 494661.06, 3859501.99	0.08214	2.42E-03	2.47E-03	2.47E-03
2030 494711.06, 3859501.99	0.0796	2.35E-03	2.39E-03	2.39E-03
2031 494761.06, 3859501.99	0.0789	2.32E-03	2.37E-03	2.37E-03
2032 494811.06, 3859501.99	0.07589	2.24E-03	2.28E-03	2.28E-03
2033 494861.06, 3859501.99	0.07457	2.20E-03	2.24E-03	2.24E-03
2034 494911.06, 3859501.99	0.07365	2.17E-03	2.21E-03	2.21E-03
2035 494961.06, 3859501.99	0.07211	2.12E-03	2.17E-03	2.17E-03
2036 495011.06, 3859501.99	0.07127	2.10E-03	2.14E-03	2.14E-03
2037 495061.06, 3859501.99	0.07048	2.08E-03	2.12E-03	2.12E-03
2038 495111.06, 3859501.99	0.06907	2.04E-03	2.08E-03	2.07E-03
2039 495161.06, 3859501.99	0.06835	2.01E-03	2.06E-03	2.05E-03
2040 495211.06, 3859501.99	0.0679	2.00E-03	2.04E-03	2.04E-03
2041 495261.06, 3859501.99	0.06718	1.98E-03	2.02E-03	2.02E-03
2042 495311.06, 3859501.99	0.06658	1.96E-03	2.00E-03	2.00E-03
2043 495361.06, 3859501.99	0.06578	1.94E-03	1.98E-03	1.98E-03
2044 495411.06, 3859501.99	0.06503	1.92E-03	1.96E-03	1.95E-03
2045 495461.06, 3859501.99	0.06416	1.89E-03	1.93E-03	1.93E-03
2046 495511.06, 3859501.99	0.06232	1.84E-03	1.87E-03	1.87E-03
2047 495561.06, 3859501.99	0.06203	1.83E-03	1.87E-03	1.86E-03
2048 495611.06, 3859501.99	0.06108	1.80E-03	1.84E-03	1.83E-03
2049 495661.06, 3859501.99	0.06006	1.77E-03	1.81E-03	1.80E-03
2050 494311.06, 3859551.99	0.09898	2.92E-03	2.98E-03	2.97E-03
2051 494361.06, 3859551.99	0.09543	2.81E-03	2.87E-03	2.87E-03
2052 494411.06, 3859551.99	0.0914	2.69E-03	2.75E-03	2.74E-03
2053 494461.06, 3859551.99	0.09171	2.70E-03	2.76E-03	2.75E-03
2054 494511.06, 3859551.99	0.08946	2.64E-03	2.69E-03	2.69E-03
2055 494561.06, 3859551.99	0.08772	2.58E-03	2.64E-03	2.63E-03
2056 494611.06, 3859551.99	0.08663	2.55E-03	2.60E-03	2.60E-03
2057 494661.06, 3859551.99	0.08517	2.51E-03	2.56E-03	2.56E-03
2058 494711.06, 3859551.99	0.08132	2.40E-03	2.45E-03	2.44E-03
2059 494761.06, 3859551.99	0.08163	2.41E-03	2.45E-03	2.45E-03
2060 494811.06, 3859551.99	0.0789	2.32E-03	2.37E-03	2.37E-03
2061 494861.06, 3859551.99	0.07755	2.29E-03	2.33E-03	2.33E-03
2062 494911.06, 3859551.99	0.076	2.24E-03	2.29E-03	2.28E-03
2063 494961.06, 3859551.99	0.07509	2.21E-03	2.26E-03	2.26E-03
2064 495011.06, 3859551.99	0.07436	2.19E-03	2.24E-03	2.23E-03
2065 495061.06, 3859551.99	0.07319	2.16E-03	2.20E-03	2.20E-03
2066 495111.06, 3859551.99	0.07178	2.12E-03	2.16E-03	2.16E-03
2067 495161.06, 3859551.99	0.07112	2.10E-03	2.14E-03	2.14E-03
2068 495211.06, 3859551.99	0.07063	2.08E-03	2.12E-03	2.12E-03
2069 495261.06, 3859551.99	0.06951	2.05E-03	2.09E-03	2.09E-03
2070 495311.06, 3859551.99	0.06859	2.02E-03	2.06E-03	2.06E-03

2071	495361.06, 3859551.99	0.06784	2.00E-03	2.04E-03	2.04E-03
2072	495411.06, 3859551.99	0.06723	1.98E-03	2.02E-03	2.02E-03
2073	495461.06, 3859551.99	0.06593	1.94E-03	1.98E-03	1.98E-03
2074	495511.06, 3859551.99	0.06461	1.90E-03	1.94E-03	1.94E-03
2075	495561.06, 3859551.99	0.06376	1.88E-03	1.92E-03	1.91E-03
2076	495611.06, 3859551.99	0.0629	1.85E-03	1.89E-03	1.89E-03
2077	495661.06, 3859551.99	0.06187	1.82E-03	1.86E-03	1.86E-03
2078	494311.06, 3859601.99	0.10282	3.03E-03	3.09E-03	3.09E-03
2079	494361.06, 3859601.99	0.09765	2.88E-03	2.94E-03	2.93E-03
2080	494411.06, 3859601.99	0.09491	2.80E-03	2.85E-03	2.85E-03
2081	494461.06, 3859601.99	0.09484	2.79E-03	2.85E-03	2.85E-03
2082	494511.06, 3859601.99	0.09169	2.70E-03	2.76E-03	2.75E-03
2083	494561.06, 3859601.99	0.09121	2.69E-03	2.74E-03	2.74E-03
2084	494611.06, 3859601.99	0.09016	2.66E-03	2.71E-03	2.71E-03
2085	494661.06, 3859601.99	0.08671	2.56E-03	2.61E-03	2.60E-03
2086	494711.06, 3859601.99	0.08411	2.48E-03	2.53E-03	2.53E-03
2087	494761.06, 3859601.99	0.08506	2.51E-03	2.56E-03	2.55E-03
2088	494811.06, 3859601.99	0.08206	2.42E-03	2.47E-03	2.46E-03
2089	494861.06, 3859601.99	0.08077	2.38E-03	2.43E-03	2.43E-03
2090	494911.06, 3859601.99	0.0786	2.32E-03	2.36E-03	2.36E-03
2091	494961.06, 3859601.99	0.07856	2.31E-03	2.36E-03	2.36E-03
2092	495011.06, 3859601.99	0.07635	2.25E-03	2.30E-03	2.29E-03
2093	495061.06, 3859601.99	0.07587	2.24E-03	2.28E-03	2.28E-03
2094	495111.06, 3859601.99	0.07429	2.19E-03	2.23E-03	2.23E-03
2095	495161.06, 3859601.99	0.07363	2.17E-03	2.21E-03	2.21E-03
2096	495211.06, 3859601.99	0.07268	2.14E-03	2.19E-03	2.18E-03
2097	495261.06, 3859601.99	0.0719	2.12E-03	2.16E-03	2.16E-03
2098	495311.06, 3859601.99	0.0712	2.10E-03	2.14E-03	2.14E-03
2099	495361.06, 3859601.99	0.07019	2.07E-03	2.11E-03	2.11E-03
2100	495411.06, 3859601.99	0.06947	2.05E-03	2.09E-03	2.09E-03
2101	495461.06, 3859601.99	0.06783	2.00E-03	2.04E-03	2.04E-03
2102	495511.06, 3859601.99	0.06637	1.96E-03	2.00E-03	1.99E-03
2103	495561.06, 3859601.99	0.06592	1.94E-03	1.98E-03	1.98E-03
2104	495611.06, 3859601.99	0.06434	1.90E-03	1.93E-03	1.93E-03
2105	495661.06, 3859601.99	0.06369	1.88E-03	1.92E-03	1.91E-03
2106	494311.06, 3859651.99	0.10517	3.10E-03	3.16E-03	3.16E-03
2107	494361.06, 3859651.99	0.10036	2.96E-03	3.02E-03	3.01E-03
2108	494411.06, 3859651.99	0.09839	2.90E-03	2.96E-03	2.95E-03
2109	494461.06, 3859651.99	0.09815	2.89E-03	2.95E-03	2.95E-03
2110	494511.06, 3859651.99	0.09604	2.83E-03	2.89E-03	2.88E-03
2111	494561.06, 3859651.99	0.09464	2.79E-03	2.85E-03	2.84E-03
2112	494611.06, 3859651.99	0.09315	2.74E-03	2.80E-03	2.80E-03
2113	494661.06, 3859651.99	0.08899	2.62E-03	2.68E-03	2.67E-03
2114	494711.06, 3859651.99	0.08777	2.59E-03	2.64E-03	2.64E-03
2115	494761.06, 3859651.99	0.08718	2.57E-03	2.62E-03	2.62E-03
2116	494811.06, 3859651.99	0.08501	2.50E-03	2.56E-03	2.55E-03
2117	494861.06, 3859651.99	0.08385	2.47E-03	2.52E-03	2.52E-03
2118	494911.06, 3859651.99	0.08227	2.42E-03	2.47E-03	2.47E-03
2119	494961.06, 3859651.99	0.08106	2.39E-03	2.44E-03	2.43E-03
2120	495011.06, 3859651.99	0.07967	2.35E-03	2.40E-03	2.39E-03
2121	495061.06, 3859651.99	0.07875	2.32E-03	2.37E-03	2.37E-03
2122	495111.06, 3859651.99	0.07728	2.28E-03	2.32E-03	2.32E-03
2123	495161.06, 3859651.99	0.0762	2.25E-03	2.29E-03	2.29E-03
2124	495211.06, 3859651.99	0.07534	2.22E-03	2.27E-03	2.26E-03
2125	495261.06, 3859651.99	0.07425	2.19E-03	2.23E-03	2.23E-03
2126	495311.06, 3859651.99	0.07332	2.16E-03	2.20E-03	2.20E-03
2127	495361.06, 3859651.99	0.07249	2.14E-03	2.18E-03	2.18E-03
2128	495411.06, 3859651.99	0.07144	2.11E-03	2.15E-03	2.15E-03
2129	495461.06, 3859651.99	0.06979	2.06E-03	2.10E-03	2.10E-03
2130	495511.06, 3859651.99	0.06838	2.01E-03	2.06E-03	2.05E-03
2131	495561.06, 3859651.99	0.0676	1.99E-03	2.03E-03	2.03E-03

2132	495611.06, 3859651.99	0.06655	1.96E-03	2.00E-03	2.00E-03
2133	495661.06, 3859651.99	0.06542	1.93E-03	1.97E-03	1.96E-03
2134	494311.06, 3859701.99	0.10449	3.08E-03	3.14E-03	3.14E-03
2135	494361.06, 3859701.99	0.10224	3.01E-03	3.07E-03	3.07E-03
2136	494411.06, 3859701.99	0.10096	2.97E-03	3.04E-03	3.03E-03
2137	494461.06, 3859701.99	0.10132	2.99E-03	3.05E-03	3.04E-03
2138	494511.06, 3859701.99	0.09938	2.93E-03	2.99E-03	2.98E-03
2139	494561.06, 3859701.99	0.098	2.89E-03	2.95E-03	2.94E-03
2140	494611.06, 3859701.99	0.0965	2.84E-03	2.90E-03	2.90E-03
2141	494661.06, 3859701.99	0.09214	2.72E-03	2.77E-03	2.77E-03
2142	494711.06, 3859701.99	0.09149	2.70E-03	2.75E-03	2.75E-03
2143	494761.06, 3859701.99	0.08942	2.63E-03	2.69E-03	2.69E-03
2144	494811.06, 3859701.99	0.08736	2.57E-03	2.63E-03	2.62E-03
2145	494861.06, 3859701.99	0.0869	2.56E-03	2.61E-03	2.61E-03
2146	494911.06, 3859701.99	0.08521	2.51E-03	2.56E-03	2.56E-03
2147	494961.06, 3859701.99	0.08362	2.46E-03	2.51E-03	2.51E-03
2148	495011.06, 3859701.99	0.08264	2.44E-03	2.48E-03	2.48E-03
2149	495061.06, 3859701.99	0.08133	2.40E-03	2.45E-03	2.44E-03
2150	495111.06, 3859701.99	0.08003	2.36E-03	2.41E-03	2.40E-03
2151	495161.06, 3859701.99	0.07863	2.32E-03	2.36E-03	2.36E-03
2152	495211.06, 3859701.99	0.0772	2.27E-03	2.32E-03	2.32E-03
2153	495261.06, 3859701.99	0.0767	2.26E-03	2.31E-03	2.30E-03
2154	495311.06, 3859701.99	0.07541	2.22E-03	2.27E-03	2.26E-03
2155	495361.06, 3859701.99	0.07424	2.19E-03	2.23E-03	2.23E-03
2156	495411.06, 3859701.99	0.07274	2.14E-03	2.19E-03	2.18E-03
2157	495461.06, 3859701.99	0.07156	2.11E-03	2.15E-03	2.15E-03
2158	495511.06, 3859701.99	0.0696	2.05E-03	2.09E-03	2.09E-03
2159	495561.06, 3859701.99	0.06937	2.04E-03	2.09E-03	2.08E-03
2160	495611.06, 3859701.99	0.06834	2.01E-03	2.05E-03	2.05E-03
2161	495661.06, 3859701.99	0.06723	1.98E-03	2.02E-03	2.02E-03
2162	494311.06, 3859751.99	0.10872	3.20E-03	3.27E-03	3.27E-03
2163	494361.06, 3859751.99	0.10658	3.14E-03	3.20E-03	3.20E-03
2164	494411.06, 3859751.99	0.10406	3.07E-03	3.13E-03	3.13E-03
2165	494461.06, 3859751.99	0.10391	3.06E-03	3.12E-03	3.12E-03
2166	494511.06, 3859751.99	0.10305	3.04E-03	3.10E-03	3.09E-03
2167	494561.06, 3859751.99	0.10112	2.98E-03	3.04E-03	3.04E-03
2168	494611.06, 3859751.99	0.09873	2.91E-03	2.97E-03	2.97E-03
2169	494661.06, 3859751.99	0.09493	2.80E-03	2.85E-03	2.85E-03
2170	494711.06, 3859751.99	0.09453	2.79E-03	2.84E-03	2.84E-03
2171	494761.06, 3859751.99	0.09323	2.75E-03	2.80E-03	2.80E-03
2172	494811.06, 3859751.99	0.09124	2.69E-03	2.74E-03	2.74E-03
2173	494861.06, 3859751.99	0.08981	2.65E-03	2.70E-03	2.70E-03
2174	494911.06, 3859751.99	0.08836	2.60E-03	2.66E-03	2.65E-03
2175	494961.06, 3859751.99	0.08695	2.56E-03	2.61E-03	2.61E-03
2176	495011.06, 3859751.99	0.08545	2.52E-03	2.57E-03	2.57E-03
2177	495061.06, 3859751.99	0.08439	2.49E-03	2.54E-03	2.53E-03
2178	495111.06, 3859751.99	0.08297	2.44E-03	2.49E-03	2.49E-03
2179	495161.06, 3859751.99	0.08145	2.40E-03	2.45E-03	2.45E-03
2180	495211.06, 3859751.99	0.07992	2.35E-03	2.40E-03	2.40E-03
2181	495261.06, 3859751.99	0.07888	2.32E-03	2.37E-03	2.37E-03
2182	495311.06, 3859751.99	0.07755	2.29E-03	2.33E-03	2.33E-03
2183	495361.06, 3859751.99	0.07635	2.25E-03	2.30E-03	2.29E-03
2184	495411.06, 3859751.99	0.0752	2.22E-03	2.26E-03	2.26E-03
2185	495461.06, 3859751.99	0.07361	2.17E-03	2.21E-03	2.21E-03
2186	495511.06, 3859751.99	0.07207	2.12E-03	2.17E-03	2.16E-03
2187	495561.06, 3859751.99	0.07098	2.09E-03	2.13E-03	2.13E-03
2188	495611.06, 3859751.99	0.06992	2.06E-03	2.10E-03	2.10E-03
2189	495661.06, 3859751.99	0.06911	2.04E-03	2.08E-03	2.08E-03
2190	494311.06, 3859801.99	0.11283	3.32E-03	3.39E-03	3.39E-03
2191	494361.06, 3859801.99	0.10977	3.23E-03	3.30E-03	3.30E-03
2192	494411.06, 3859801.99	0.10663	3.14E-03	3.21E-03	3.20E-03

2193	494461.06, 3859801.99	0.10626	3.13E-03	3.20E-03	3.19E-03
2194	494511.06, 3859801.99	0.1061	3.13E-03	3.19E-03	3.19E-03
2195	494561.06, 3859801.99	0.10418	3.07E-03	3.13E-03	3.13E-03
2196	494611.06, 3859801.99	0.10069	2.97E-03	3.03E-03	3.02E-03
2197	494661.06, 3859801.99	0.09864	2.91E-03	2.97E-03	2.96E-03
2198	494711.06, 3859801.99	0.09624	2.84E-03	2.89E-03	2.89E-03
2199	494761.06, 3859801.99	0.09604	2.83E-03	2.89E-03	2.88E-03
2200	494811.06, 3859801.99	0.09415	2.77E-03	2.83E-03	2.83E-03
2201	494861.06, 3859801.99	0.09279	2.73E-03	2.79E-03	2.79E-03
2202	494911.06, 3859801.99	0.09081	2.68E-03	2.73E-03	2.73E-03
2203	494961.06, 3859801.99	0.08934	2.63E-03	2.69E-03	2.68E-03
2204	495011.06, 3859801.99	0.08782	2.59E-03	2.64E-03	2.64E-03
2205	495061.06, 3859801.99	0.08658	2.55E-03	2.60E-03	2.60E-03
2206	495111.06, 3859801.99	0.08489	2.50E-03	2.55E-03	2.55E-03
2207	495161.06, 3859801.99	0.08334	2.46E-03	2.51E-03	2.50E-03
2208	495211.06, 3859801.99	0.08219	2.42E-03	2.47E-03	2.47E-03
2209	495261.06, 3859801.99	0.08065	2.38E-03	2.42E-03	2.42E-03
2210	495311.06, 3859801.99	0.07962	2.35E-03	2.39E-03	2.39E-03
2211	495361.06, 3859801.99	0.07827	2.31E-03	2.35E-03	2.35E-03
2212	495411.06, 3859801.99	0.07676	2.26E-03	2.31E-03	2.31E-03
2213	495461.06, 3859801.99	0.07554	2.23E-03	2.27E-03	2.27E-03
2214	495511.06, 3859801.99	0.07386	2.18E-03	2.22E-03	2.22E-03
2215	495561.06, 3859801.99	0.07285	2.15E-03	2.19E-03	2.19E-03
2216	495611.06, 3859801.99	0.07226	2.13E-03	2.17E-03	2.17E-03
2217	495661.06, 3859801.99	0.07081	2.09E-03	2.13E-03	2.13E-03
2218	494311.06, 3859851.99	0.11574	3.41E-03	3.48E-03	3.48E-03
2219	494361.06, 3859851.99	0.11308	3.33E-03	3.40E-03	3.40E-03
2220	494411.06, 3859851.99	0.1102	3.25E-03	3.31E-03	3.31E-03
2221	494461.06, 3859851.99	0.10803	3.18E-03	3.25E-03	3.24E-03
2222	494511.06, 3859851.99	0.10717	3.16E-03	3.22E-03	3.22E-03
2223	494561.06, 3859851.99	0.10662	3.14E-03	3.21E-03	3.20E-03
2224	494611.06, 3859851.99	0.10284	3.03E-03	3.09E-03	3.09E-03
2225	494661.06, 3859851.99	0.10177	3.00E-03	3.06E-03	3.06E-03
2226	494711.06, 3859851.99	0.09899	2.92E-03	2.98E-03	2.97E-03
2227	494761.06, 3859851.99	0.09853	2.90E-03	2.96E-03	2.96E-03
2228	494811.06, 3859851.99	0.09669	2.85E-03	2.91E-03	2.90E-03
2229	494861.06, 3859851.99	0.09547	2.81E-03	2.87E-03	2.87E-03
2230	494911.06, 3859851.99	0.09346	2.75E-03	2.81E-03	2.81E-03
2231	494961.06, 3859851.99	0.09191	2.71E-03	2.76E-03	2.76E-03
2232	495011.06, 3859851.99	0.09036	2.66E-03	2.72E-03	2.71E-03
2233	495061.06, 3859851.99	0.08908	2.62E-03	2.68E-03	2.68E-03
2234	495111.06, 3859851.99	0.08721	2.57E-03	2.62E-03	2.62E-03
2235	495161.06, 3859851.99	0.08567	2.52E-03	2.58E-03	2.57E-03
2236	495211.06, 3859851.99	0.08427	2.48E-03	2.53E-03	2.53E-03
2237	495261.06, 3859851.99	0.0828	2.44E-03	2.49E-03	2.49E-03
2238	495311.06, 3859851.99	0.08163	2.41E-03	2.45E-03	2.45E-03
2239	495361.06, 3859851.99	0.08035	2.37E-03	2.42E-03	2.41E-03
2240	495411.06, 3859851.99	0.07882	2.32E-03	2.37E-03	2.37E-03
2241	495461.06, 3859851.99	0.07737	2.28E-03	2.33E-03	2.32E-03
2242	495511.06, 3859851.99	0.0758	2.23E-03	2.28E-03	2.28E-03
2243	495561.06, 3859851.99	0.07489	2.21E-03	2.25E-03	2.25E-03
2244	495611.06, 3859851.99	0.07393	2.18E-03	2.22E-03	2.22E-03
2245	495661.06, 3859851.99	0.07249	2.14E-03	2.18E-03	2.18E-03
2246	494311.06, 3859901.99	0.11821	3.48E-03	3.55E-03	3.55E-03
2247	494361.06, 3859901.99	0.11439	3.37E-03	3.44E-03	3.44E-03
2248	494411.06, 3859901.99	0.11299	3.33E-03	3.40E-03	3.39E-03
2249	494461.06, 3859901.99	0.11081	3.27E-03	3.33E-03	3.33E-03
2250	494511.06, 3859901.99	0.10932	3.22E-03	3.29E-03	3.28E-03
2251	494561.06, 3859901.99	0.10923	3.22E-03	3.28E-03	3.28E-03
2252	494611.06, 3859901.99	0.10518	3.10E-03	3.16E-03	3.16E-03
2253	494661.06, 3859901.99	0.10478	3.09E-03	3.15E-03	3.15E-03

2254	494711.06, 3859901.99	0.10103	2.98E-03	3.04E-03	3.03E-03
2255	494761.06, 3859901.99	0.10017	2.95E-03	3.01E-03	3.01E-03
2256	494811.06, 3859901.99	0.09934	2.93E-03	2.99E-03	2.98E-03
2257	494861.06, 3859901.99	0.09798	2.89E-03	2.95E-03	2.94E-03
2258	494911.06, 3859901.99	0.09587	2.82E-03	2.88E-03	2.88E-03
2259	494961.06, 3859901.99	0.09447	2.78E-03	2.84E-03	2.84E-03
2260	495011.06, 3859901.99	0.09263	2.73E-03	2.79E-03	2.78E-03
2261	495061.06, 3859901.99	0.09103	2.68E-03	2.74E-03	2.73E-03
2262	495111.06, 3859901.99	0.08909	2.63E-03	2.68E-03	2.68E-03
2263	495161.06, 3859901.99	0.08732	2.57E-03	2.63E-03	2.62E-03
2264	495211.06, 3859901.99	0.08622	2.54E-03	2.59E-03	2.59E-03
2265	495261.06, 3859901.99	0.08428	2.48E-03	2.53E-03	2.53E-03
2266	495311.06, 3859901.99	0.08325	2.45E-03	2.50E-03	2.50E-03
2267	495361.06, 3859901.99	0.08179	2.41E-03	2.46E-03	2.46E-03
2268	495411.06, 3859901.99	0.08018	2.36E-03	2.41E-03	2.41E-03
2269	495461.06, 3859901.99	0.07877	2.32E-03	2.37E-03	2.37E-03
2270	495511.06, 3859901.99	0.07774	2.29E-03	2.34E-03	2.33E-03
2271	495561.06, 3859901.99	0.07673	2.26E-03	2.31E-03	2.30E-03
2272	495611.06, 3859901.99	0.07532	2.22E-03	2.26E-03	2.26E-03
2273	495661.06, 3859901.99	0.07386	2.18E-03	2.22E-03	2.22E-03
2274	494311.06, 3859951.99	0.12095	3.56E-03	3.64E-03	3.63E-03
2275	494361.06, 3859951.99	0.11801	3.48E-03	3.55E-03	3.54E-03
2276	494411.06, 3859951.99	0.11539	3.40E-03	3.47E-03	3.47E-03
2277	494461.06, 3859951.99	0.11319	3.34E-03	3.40E-03	3.40E-03
2278	494511.06, 3859951.99	0.11169	3.29E-03	3.36E-03	3.35E-03
2279	494561.06, 3859951.99	0.11196	3.30E-03	3.37E-03	3.36E-03
2280	494611.06, 3859951.99	0.10822	3.19E-03	3.25E-03	3.25E-03
2281	494661.06, 3859951.99	0.10756	3.17E-03	3.23E-03	3.23E-03
2282	494711.06, 3859951.99	0.10423	3.07E-03	3.13E-03	3.13E-03
2283	494761.06, 3859951.99	0.10286	3.03E-03	3.09E-03	3.09E-03
2284	494811.06, 3859951.99	0.10129	2.98E-03	3.05E-03	3.04E-03
2285	494861.06, 3859951.99	0.10027	2.95E-03	3.01E-03	3.01E-03
2286	494911.06, 3859951.99	0.09806	2.89E-03	2.95E-03	2.94E-03
2287	494961.06, 3859951.99	0.09607	2.83E-03	2.89E-03	2.89E-03
2288	495011.06, 3859951.99	0.09428	2.78E-03	2.83E-03	2.83E-03
2289	495061.06, 3859951.99	0.09279	2.73E-03	2.79E-03	2.79E-03
2290	495111.06, 3859951.99	0.09082	2.68E-03	2.73E-03	2.73E-03
2291	495161.06, 3859951.99	0.08897	2.62E-03	2.68E-03	2.67E-03
2292	495211.06, 3859951.99	0.0872	2.57E-03	2.62E-03	2.62E-03
2293	495261.06, 3859951.99	0.08573	2.53E-03	2.58E-03	2.57E-03
2294	495311.06, 3859951.99	0.08478	2.50E-03	2.55E-03	2.55E-03
2295	495361.06, 3859951.99	0.0835	2.46E-03	2.51E-03	2.51E-03
2296	495411.06, 3859951.99	0.08187	2.41E-03	2.46E-03	2.46E-03
2297	495461.06, 3859951.99	0.08044	2.37E-03	2.42E-03	2.42E-03
2298	495511.06, 3859951.99	0.07901	2.33E-03	2.38E-03	2.37E-03
2299	495561.06, 3859951.99	0.07828	2.31E-03	2.35E-03	2.35E-03
2300	495611.06, 3859951.99	0.07683	2.26E-03	2.31E-03	2.31E-03
2301	495661.06, 3859951.99	0.07522	2.22E-03	2.26E-03	2.26E-03
2302	494311.06, 3860001.99	0.12325	3.63E-03	3.71E-03	3.70E-03
2303	494361.06, 3860001.99	0.12077	3.56E-03	3.63E-03	3.63E-03
2304	494411.06, 3860001.99	0.11737	3.46E-03	3.53E-03	3.52E-03
2305	494461.06, 3860001.99	0.1156	3.41E-03	3.48E-03	3.47E-03
2306	494511.06, 3860001.99	0.11302	3.33E-03	3.40E-03	3.39E-03
2307	494561.06, 3860001.99	0.1141	3.36E-03	3.43E-03	3.43E-03
2308	494611.06, 3860001.99	0.11137	3.28E-03	3.35E-03	3.34E-03
2309	494661.06, 3860001.99	0.10967	3.23E-03	3.30E-03	3.29E-03
2310	494711.06, 3860001.99	0.1052	3.10E-03	3.16E-03	3.16E-03
2311	494761.06, 3860001.99	0.10498	3.09E-03	3.16E-03	3.15E-03
2312	494811.06, 3860001.99	0.10361	3.05E-03	3.12E-03	3.11E-03
2313	494861.06, 3860001.99	0.10248	3.02E-03	3.08E-03	3.08E-03
2314	494911.06, 3860001.99	0.09866	2.91E-03	2.97E-03	2.96E-03

2315	494961.06, 3860001.99	0.0975	2.87E-03	2.93E-03	2.93E-03
2316	495011.06, 3860001.99	0.09551	2.81E-03	2.87E-03	2.87E-03
2317	495061.06, 3860001.99	0.09446	2.78E-03	2.84E-03	2.84E-03
2318	495111.06, 3860001.99	0.09248	2.73E-03	2.78E-03	2.78E-03
2319	495161.06, 3860001.99	0.09057	2.67E-03	2.72E-03	2.72E-03
2320	495211.06, 3860001.99	0.08953	2.64E-03	2.69E-03	2.69E-03
2321	495261.06, 3860001.99	0.08782	2.59E-03	2.64E-03	2.64E-03
2322	495311.06, 3860001.99	0.08648	2.55E-03	2.60E-03	2.60E-03
2323	495361.06, 3860001.99	0.08425	2.48E-03	2.53E-03	2.53E-03
2324	495411.06, 3860001.99	0.08352	2.46E-03	2.51E-03	2.51E-03
2325	495461.06, 3860001.99	0.08211	2.42E-03	2.47E-03	2.47E-03
2326	495511.06, 3860001.99	0.08078	2.38E-03	2.43E-03	2.43E-03
2327	495561.06, 3860001.99	0.07985	2.35E-03	2.40E-03	2.40E-03
2328	495611.06, 3860001.99	0.07826	2.31E-03	2.35E-03	2.35E-03
2329	495661.06, 3860001.99	0.07676	2.26E-03	2.31E-03	2.31E-03
2330	494411.06, 3860051.99	0.11988	3.53E-03	3.60E-03	3.60E-03
2331	494461.06, 3860051.99	0.11744	3.46E-03	3.53E-03	3.53E-03
2332	494511.06, 3860051.99	0.11524	3.40E-03	3.47E-03	3.46E-03
2333	494561.06, 3860051.99	0.11483	3.38E-03	3.45E-03	3.45E-03
2334	494611.06, 3860051.99	0.11336	3.34E-03	3.41E-03	3.40E-03
2335	494661.06, 3860051.99	0.11163	3.29E-03	3.36E-03	3.35E-03
2336	494711.06, 3860051.99	0.10836	3.19E-03	3.26E-03	3.25E-03
2337	494761.06, 3860051.99	0.10686	3.15E-03	3.21E-03	3.21E-03
2338	494811.06, 3860051.99	0.10599	3.12E-03	3.19E-03	3.18E-03
2339	494861.06, 3860051.99	0.10494	3.09E-03	3.16E-03	3.15E-03
2340	494911.06, 3860051.99	0.10242	3.02E-03	3.08E-03	3.08E-03
2341	494961.06, 3860051.99	0.09986	2.94E-03	3.00E-03	3.00E-03
2342	495011.06, 3860051.99	0.09766	2.88E-03	2.94E-03	2.93E-03
2343	495061.06, 3860051.99	0.09588	2.83E-03	2.88E-03	2.88E-03
2344	495111.06, 3860051.99	0.09363	2.76E-03	2.82E-03	2.81E-03
2345	495161.06, 3860051.99	0.092	2.71E-03	2.77E-03	2.76E-03
2346	495211.06, 3860051.99	0.09019	2.66E-03	2.71E-03	2.71E-03
2347	495261.06, 3860051.99	0.08889	2.62E-03	2.67E-03	2.67E-03
2348	495311.06, 3860051.99	0.08777	2.59E-03	2.64E-03	2.64E-03
2349	495361.06, 3860051.99	0.08644	2.55E-03	2.60E-03	2.60E-03
2350	495411.06, 3860051.99	0.08504	2.51E-03	2.56E-03	2.55E-03
2351	495461.06, 3860051.99	0.08352	2.46E-03	2.51E-03	2.51E-03
2352	495511.06, 3860051.99	0.0824	2.43E-03	2.48E-03	2.47E-03
2353	495561.06, 3860051.99	0.08109	2.39E-03	2.44E-03	2.44E-03
2354	495611.06, 3860051.99	0.07965	2.35E-03	2.39E-03	2.39E-03
2355	495661.06, 3860051.99	0.07796	2.30E-03	2.34E-03	2.34E-03
2356	494411.06, 3860101.99	0.12015	3.54E-03	3.61E-03	3.61E-03
2357	494461.06, 3860101.99	0.11942	3.52E-03	3.59E-03	3.59E-03
2358	494511.06, 3860101.99	0.11619	3.42E-03	3.49E-03	3.49E-03
2359	494561.06, 3860101.99	0.11485	3.38E-03	3.45E-03	3.45E-03
2360	494611.06, 3860101.99	0.11436	3.37E-03	3.44E-03	3.43E-03
2361	494661.06, 3860101.99	0.11283	3.32E-03	3.39E-03	3.39E-03
2362	494711.06, 3860101.99	0.1099	3.24E-03	3.30E-03	3.30E-03
2363	494761.06, 3860101.99	0.1083	3.19E-03	3.26E-03	3.25E-03
2364	494811.06, 3860101.99	0.10684	3.15E-03	3.21E-03	3.21E-03
2365	494861.06, 3860101.99	0.10717	3.16E-03	3.22E-03	3.22E-03
2366	494911.06, 3860101.99	0.10262	3.02E-03	3.09E-03	3.08E-03
2367	494961.06, 3860101.99	0.10101	2.98E-03	3.04E-03	3.03E-03
2368	495011.06, 3860101.99	0.09884	2.91E-03	2.97E-03	2.97E-03
2369	495061.06, 3860101.99	0.09685	2.85E-03	2.91E-03	2.91E-03
2370	495111.06, 3860101.99	0.09452	2.79E-03	2.84E-03	2.84E-03
2371	495161.06, 3860101.99	0.09322	2.75E-03	2.80E-03	2.80E-03
2372	495211.06, 3860101.99	0.09162	2.70E-03	2.75E-03	2.75E-03
2373	495261.06, 3860101.99	0.09003	2.65E-03	2.71E-03	2.70E-03
2374	495311.06, 3860101.99	0.08866	2.61E-03	2.67E-03	2.66E-03
2375	495361.06, 3860101.99	0.08759	2.58E-03	2.63E-03	2.63E-03

2376 495411.06, 3860101.99	0.08609	2.54E-03	2.59E-03	2.59E-03
2377 495461.06, 3860101.99	0.08419	2.48E-03	2.53E-03	2.53E-03
2378 495511.06, 3860101.99	0.08322	2.45E-03	2.50E-03	2.50E-03
2379 495561.06, 3860101.99	0.08225	2.42E-03	2.47E-03	2.47E-03
2380 495611.06, 3860101.99	0.08047	2.37E-03	2.42E-03	2.42E-03
2381 495661.06, 3860101.99	0.07924	2.33E-03	2.38E-03	2.38E-03
2382 494861.06, 3860151.99	0.10886	3.21E-03	3.27E-03	3.27E-03
2383 494911.06, 3860151.99	0.10412	3.07E-03	3.13E-03	3.13E-03
2384 494961.06, 3860151.99	0.10203	3.01E-03	3.07E-03	3.06E-03
2385 495011.06, 3860151.99	0.09985	2.94E-03	3.00E-03	3.00E-03
2386 495061.06, 3860151.99	0.09777	2.88E-03	2.94E-03	2.94E-03
2387 495111.06, 3860151.99	0.09602	2.83E-03	2.89E-03	2.88E-03
2388 495161.06, 3860151.99	0.09444	2.78E-03	2.84E-03	2.84E-03
2389 495211.06, 3860151.99	0.09272	2.73E-03	2.79E-03	2.78E-03
2390 495261.06, 3860151.99	0.09129	2.69E-03	2.74E-03	2.74E-03
2391 495311.06, 3860151.99	0.08986	2.65E-03	2.70E-03	2.70E-03
2392 495361.06, 3860151.99	0.08854	2.61E-03	2.66E-03	2.66E-03
2393 495411.06, 3860151.99	0.08707	2.57E-03	2.62E-03	2.61E-03
2394 495461.06, 3860151.99	0.08569	2.52E-03	2.58E-03	2.57E-03
2395 495511.06, 3860151.99	0.08414	2.48E-03	2.53E-03	2.53E-03
2396 495561.06, 3860151.99	0.08296	2.44E-03	2.49E-03	2.49E-03
2397 495611.06, 3860151.99	0.08152	2.40E-03	2.45E-03	2.45E-03
2398 495661.06, 3860151.99	0.08001	2.36E-03	2.41E-03	2.40E-03
2399 495718.25, 3859442.96	0.05694	1.68E-03	1.71E-03	1.71E-03
2400 495818.25, 3859442.96	0.05528	1.63E-03	1.66E-03	1.66E-03
2401 495918.25, 3859442.96	0.054	1.59E-03	1.62E-03	1.62E-03
2402 496018.25, 3859442.96	0.05288	1.56E-03	1.59E-03	1.59E-03
2403 496118.25, 3859442.96	0.05282	1.56E-03	1.59E-03	1.59E-03
2404 496218.25, 3859442.96	0.05263	1.55E-03	1.58E-03	1.58E-03
2405 496318.25, 3859442.96	0.05164	1.52E-03	1.55E-03	1.55E-03
2406 496418.25, 3859442.96	0.05061	1.49E-03	1.52E-03	1.52E-03
2407 495718.25, 3859542.96	0.06054	1.78E-03	1.82E-03	1.82E-03
2408 495818.25, 3859542.96	0.05904	1.74E-03	1.78E-03	1.77E-03
2409 495918.25, 3859542.96	0.05735	1.69E-03	1.72E-03	1.72E-03
2410 496018.25, 3859542.96	0.05591	1.65E-03	1.68E-03	1.68E-03
2411 496118.25, 3859542.96	0.05578	1.64E-03	1.68E-03	1.68E-03
2412 496218.25, 3859542.96	0.05531	1.63E-03	1.66E-03	1.66E-03
2413 496318.25, 3859542.96	0.05463	1.61E-03	1.64E-03	1.64E-03
2414 496418.25, 3859542.96	0.05324	1.57E-03	1.60E-03	1.60E-03
2415 495718.25, 3859642.96	0.06374	1.88E-03	1.92E-03	1.91E-03
2416 495818.25, 3859642.96	0.06188	1.82E-03	1.86E-03	1.86E-03
2417 495918.25, 3859642.96	0.06053	1.78E-03	1.82E-03	1.82E-03
2418 496018.25, 3859642.96	0.05893	1.74E-03	1.77E-03	1.77E-03
2419 496118.25, 3859642.96	0.05896	1.74E-03	1.77E-03	1.77E-03
2420 496218.25, 3859642.96	0.05858	1.73E-03	1.76E-03	1.76E-03
2421 496318.25, 3859642.96	0.05723	1.69E-03	1.72E-03	1.72E-03
2422 496418.25, 3859642.96	0.05386	1.59E-03	1.62E-03	1.62E-03
2423 495718.25, 3859742.96	0.06766	1.99E-03	2.03E-03	2.03E-03
2424 495818.25, 3859742.96	0.06533	1.93E-03	1.96E-03	1.96E-03
2425 495918.25, 3859742.96	0.06355	1.87E-03	1.91E-03	1.91E-03
2426 496018.25, 3859742.96	0.06173	1.82E-03	1.86E-03	1.85E-03
2427 496118.25, 3859742.96	0.06151	1.81E-03	1.85E-03	1.85E-03
2428 496218.25, 3859742.96	0.0616	1.82E-03	1.85E-03	1.85E-03
2429 496318.25, 3859742.96	0.05826	1.72E-03	1.75E-03	1.75E-03
2430 496418.25, 3859742.96	0.05521	1.63E-03	1.66E-03	1.66E-03
2431 495718.25, 3859842.96	0.071	2.09E-03	2.13E-03	2.13E-03
2432 495818.25, 3859842.96	0.0689	2.03E-03	2.07E-03	2.07E-03
2433 495918.25, 3859842.96	0.06684	1.97E-03	2.01E-03	2.01E-03
2434 496018.25, 3859842.96	0.06543	1.93E-03	1.97E-03	1.97E-03
2435 496118.25, 3859842.96	0.06558	1.93E-03	1.97E-03	1.97E-03
2436 496218.25, 3859842.96	0.06223	1.83E-03	1.87E-03	1.87E-03

2437	496318.25, 3859842.96	0.05667	1.67E-03	1.70E-03	1.70E-03
2438	496418.25, 3859842.96	0.0533	1.57E-03	1.60E-03	1.60E-03
2439	495718.25, 3859942.96	0.07387	2.18E-03	2.22E-03	2.22E-03
2440	495818.25, 3859942.96	0.07148	2.11E-03	2.15E-03	2.15E-03
2441	495918.25, 3859942.96	0.0697	2.05E-03	2.10E-03	2.09E-03
2442	496018.25, 3859942.96	0.0692	2.04E-03	2.08E-03	2.08E-03
2443	496118.25, 3859942.96	0.0661	1.95E-03	1.99E-03	1.99E-03
2444	496218.25, 3859942.96	0.06179	1.82E-03	1.86E-03	1.86E-03
2445	496318.25, 3859942.96	0.05778	1.70E-03	1.74E-03	1.74E-03
2446	496418.25, 3859942.96	0.05317	1.57E-03	1.60E-03	1.60E-03
2447	496856.82, 3858864.83	0.0336	9.90E-04	1.01E-03	1.01E-03
2448	496956.82, 3858864.83	0.033	9.72E-04	9.92E-04	9.91E-04
2449	497056.82, 3858864.83	0.03244	9.56E-04	9.75E-04	9.74E-04
2450	497156.82, 3858864.83	0.03178	9.36E-04	9.56E-04	9.54E-04
2451	497256.82, 3858864.83	0.03149	9.28E-04	9.47E-04	9.46E-04
2452	496856.82, 3858964.83	0.0357	1.05E-03	1.07E-03	1.07E-03
2453	496956.82, 3858964.83	0.03482	1.03E-03	1.05E-03	1.05E-03
2454	497056.82, 3858964.83	0.03414	1.01E-03	1.03E-03	1.03E-03
2455	497156.82, 3858964.83	0.03345	9.86E-04	1.01E-03	1.00E-03
2456	497256.82, 3858964.83	0.03352	9.88E-04	1.01E-03	1.01E-03
2457	496856.82, 3859064.83	0.03739	1.10E-03	1.12E-03	1.12E-03
2458	496956.82, 3859064.83	0.03658	1.08E-03	1.10E-03	1.10E-03
2459	497056.82, 3859064.83	0.03589	1.06E-03	1.08E-03	1.08E-03
2460	497156.82, 3859064.83	0.03527	1.04E-03	1.06E-03	1.06E-03
2461	497256.82, 3859064.83	0.03559	1.05E-03	1.07E-03	1.07E-03
2462	496856.82, 3859164.83	0.03873	1.14E-03	1.16E-03	1.16E-03
2463	496956.82, 3859164.83	0.03781	1.11E-03	1.14E-03	1.14E-03
2464	497056.82, 3859164.83	0.03729	1.10E-03	1.12E-03	1.12E-03
2465	497156.82, 3859164.83	0.03722	1.10E-03	1.12E-03	1.12E-03
2466	497256.82, 3859164.83	0.03771	1.11E-03	1.13E-03	1.13E-03
2467	496856.82, 3859264.83	0.03977	1.17E-03	1.20E-03	1.19E-03
2468	496956.82, 3859264.83	0.03937	1.16E-03	1.18E-03	1.18E-03
2469	497056.82, 3859264.83	0.03932	1.16E-03	1.18E-03	1.18E-03
2470	497156.82, 3859264.83	0.03921	1.16E-03	1.18E-03	1.18E-03
2471	497256.82, 3859264.83	0.03956	1.17E-03	1.19E-03	1.19E-03
2472	497088.92, 3858620.93	0.02785	8.21E-04	8.37E-04	8.36E-04
2473	497138.92, 3858620.93	0.02779	8.19E-04	8.36E-04	8.35E-04
2474	497188.92, 3858620.93	0.02768	8.16E-04	8.32E-04	8.31E-04
2475	497238.92, 3858620.93	0.02753	8.11E-04	8.28E-04	8.27E-04
2476	497088.92, 3858670.93	0.0285	8.40E-04	8.57E-04	8.56E-04
2477	497138.92, 3858670.93	0.02856	8.42E-04	8.59E-04	8.58E-04
2478	497188.92, 3858670.93	0.02832	8.34E-04	8.52E-04	8.51E-04
2479	497238.92, 3858670.93	0.02824	8.32E-04	8.49E-04	8.48E-04
2480	497088.92, 3858720.93	0.02958	8.72E-04	8.89E-04	8.88E-04
2481	497138.92, 3858720.93	0.02895	8.53E-04	8.70E-04	8.69E-04
2482	497188.92, 3858720.93	0.02878	8.48E-04	8.65E-04	8.64E-04
2483	497238.92, 3858720.93	0.02903	8.55E-04	8.73E-04	8.72E-04
2484	497088.92, 3858770.93	0.03029	8.93E-04	9.11E-04	9.10E-04
2485	497138.92, 3858770.93	0.02998	8.83E-04	9.01E-04	9.00E-04
2486	497188.92, 3858770.93	0.02966	8.74E-04	8.92E-04	8.91E-04
2487	497238.92, 3858770.93	0.02984	8.79E-04	8.97E-04	8.96E-04
2488	497396.65, 3858622.63	0.02837	8.36E-04	8.53E-04	8.52E-04
2489	497496.65, 3858622.63	0.02882	8.49E-04	8.67E-04	8.66E-04
2490	497596.65, 3858622.63	0.02967	8.74E-04	8.92E-04	8.91E-04
2491	497696.65, 3858622.63	0.02998	8.83E-04	9.01E-04	9.00E-04
2492	497796.65, 3858622.63	0.03055	9.00E-04	9.19E-04	9.17E-04
2493	497896.65, 3858622.63	0.03114	9.18E-04	9.36E-04	9.35E-04
2494	497396.65, 3858722.63	0.03003	8.85E-04	9.03E-04	9.02E-04
2495	497496.65, 3858722.63	0.03048	8.98E-04	9.16E-04	9.15E-04
2496	497596.65, 3858722.63	0.03135	9.24E-04	9.43E-04	9.42E-04
2497	497696.65, 3858722.63	0.03181	9.37E-04	9.56E-04	9.55E-04

2498	497796.65, 3858722.63	0.03202	9.44E-04	9.63E-04	9.62E-04
2499	497896.65, 3858722.63	0.03241	9.55E-04	9.75E-04	9.73E-04
2500	497396.65, 3858822.63	0.03149	9.28E-04	9.47E-04	9.46E-04
2501	497496.65, 3858822.63	0.03184	9.38E-04	9.57E-04	9.56E-04
2502	497596.65, 3858822.63	0.03277	9.66E-04	9.85E-04	9.84E-04
2503	497696.65, 3858822.63	0.03319	9.78E-04	9.98E-04	9.97E-04
2504	497796.65, 3858822.63	0.0333	9.81E-04	1.00E-03	1.00E-03
2505	497896.65, 3858822.63	0.03412	1.01E-03	1.03E-03	1.02E-03
2506	497396.65, 3858922.63	0.03305	9.74E-04	9.94E-04	9.93E-04
2507	497496.65, 3858922.63	0.03392	9.99E-04	1.02E-03	1.02E-03
2508	497596.65, 3858922.63	0.03374	9.94E-04	1.01E-03	1.01E-03
2509	497696.65, 3858922.63	0.0347	1.02E-03	1.04E-03	1.04E-03
2510	497796.65, 3858922.63	0.03534	1.04E-03	1.06E-03	1.06E-03
2511	497896.65, 3858922.63	0.03625	1.07E-03	1.09E-03	1.09E-03
2512	497364.44, 3858201.52	0.02351	6.93E-04	7.07E-04	7.06E-04
2513	497414.44, 3858201.52	0.0237	6.98E-04	7.13E-04	7.12E-04
2514	497464.44, 3858201.52	0.02391	7.05E-04	7.19E-04	7.18E-04
2515	497514.44, 3858201.52	0.02407	7.09E-04	7.24E-04	7.23E-04
2516	497564.44, 3858201.52	0.02402	7.08E-04	7.22E-04	7.21E-04
2517	497614.44, 3858201.52	0.02408	7.10E-04	7.24E-04	7.23E-04
2518	497364.44, 3858251.52	0.02425	7.15E-04	7.29E-04	7.28E-04
2519	497414.44, 3858251.52	0.02457	7.24E-04	7.39E-04	7.38E-04
2520	497464.44, 3858251.52	0.02442	7.20E-04	7.34E-04	7.33E-04
2521	497514.44, 3858251.52	0.02423	7.14E-04	7.29E-04	7.28E-04
2522	497564.44, 3858251.52	0.02419	7.13E-04	7.27E-04	7.26E-04
2523	497614.44, 3858251.52	0.02415	7.12E-04	7.26E-04	7.25E-04
2524	497364.44, 3858301.52	0.02471	7.28E-04	7.43E-04	7.42E-04
2525	497414.44, 3858301.52	0.02493	7.35E-04	7.50E-04	7.49E-04
2526	497464.44, 3858301.52	0.02472	7.28E-04	7.43E-04	7.42E-04
2527	497514.44, 3858301.52	0.02459	7.25E-04	7.39E-04	7.39E-04
2528	497564.44, 3858301.52	0.02438	7.18E-04	7.33E-04	7.32E-04
2529	497614.44, 3858301.52	0.02432	7.17E-04	7.31E-04	7.30E-04
2530	497364.44, 3858351.52	0.02528	7.45E-04	7.60E-04	7.59E-04
2531	497414.44, 3858351.52	0.02515	7.41E-04	7.56E-04	7.55E-04
2532	497464.44, 3858351.52	0.02511	7.40E-04	7.55E-04	7.54E-04
2533	497514.44, 3858351.52	0.025	7.37E-04	7.52E-04	7.51E-04
2534	497564.44, 3858351.52	0.02472	7.28E-04	7.43E-04	7.42E-04
2535	497614.44, 3858351.52	0.02467	7.27E-04	7.42E-04	7.41E-04
2536	497364.44, 3858401.52	0.02543	7.49E-04	7.65E-04	7.64E-04
2537	497414.44, 3858401.52	0.02548	7.51E-04	7.66E-04	7.65E-04
2538	497464.44, 3858401.52	0.02533	7.46E-04	7.62E-04	7.61E-04
2539	497514.44, 3858401.52	0.02525	7.44E-04	7.59E-04	7.58E-04
2540	497564.44, 3858401.52	0.02548	7.51E-04	7.66E-04	7.65E-04
2541	497614.44, 3858401.52	0.02563	7.55E-04	7.71E-04	7.70E-04
2542	493478.11, 3860497.94	0.18395	5.42E-03	5.53E-03	5.52E-03
2543	493528.11, 3860497.94	0.17907	5.28E-03	5.38E-03	5.38E-03
2544	493478.11, 3860547.94	0.17751	5.23E-03	5.34E-03	5.33E-03
2545	493528.11, 3860547.94	0.17293	5.10E-03	5.20E-03	5.19E-03
2546	493478.11, 3860597.94	0.17032	5.02E-03	5.12E-03	5.12E-03
2547	493528.11, 3860597.94	0.16599	4.89E-03	4.99E-03	4.99E-03
2548	493561.88, 3860524.64	0.17279	5.09E-03	5.20E-03	5.19E-03
2549	493591.88, 3860524.64	0.1701	5.01E-03	5.11E-03	5.11E-03
2550	493561.88, 3860554.64	0.16904	4.98E-03	5.08E-03	5.08E-03
2551	493591.88, 3860554.64	0.16653	4.91E-03	5.01E-03	5.00E-03
2552	492880.5, 3860293.11	0.30572	9.01E-03	9.19E-03	9.18E-03
2553	492930.5, 3860293.11	0.29252	8.62E-03	8.80E-03	8.79E-03
2554	492980.5, 3860293.11	0.27995	8.25E-03	8.42E-03	8.41E-03
2555	493030.5, 3860293.11	0.26316	7.75E-03	7.91E-03	7.90E-03
2556	493080.5, 3860293.11	0.2437	7.18E-03	7.33E-03	7.32E-03
2557	493130.5, 3860293.11	0.24308	7.16E-03	7.31E-03	7.30E-03
2558	493180.5, 3860293.11	0.23946	7.06E-03	7.20E-03	7.19E-03

2559 493230.5, 3860293.11	0.23249	6.85E-03	6.99E-03	6.98E-03
2560 493280.5, 3860293.11	0.22263	6.56E-03	6.69E-03	6.69E-03
2561 493330.5, 3860293.11	0.21462	6.32E-03	6.45E-03	6.45E-03
2562 493380.5, 3860293.11	0.20779	6.12E-03	6.25E-03	6.24E-03
2563 492880.5, 3860343.11	0.30377	8.95E-03	9.13E-03	9.12E-03
2564 492930.5, 3860343.11	0.2911	8.58E-03	8.75E-03	8.74E-03
2565 492980.5, 3860343.11	0.2742	8.08E-03	8.24E-03	8.23E-03
2566 493030.5, 3860343.11	0.26359	7.77E-03	7.93E-03	7.92E-03
2567 493080.5, 3860343.11	0.24746	7.29E-03	7.44E-03	7.43E-03
2568 493130.5, 3860343.11	0.24128	7.11E-03	7.25E-03	7.25E-03
2569 493180.5, 3860343.11	0.23742	7.00E-03	7.14E-03	7.13E-03
2570 493230.5, 3860343.11	0.23014	6.78E-03	6.92E-03	6.91E-03
2571 493280.5, 3860343.11	0.22084	6.51E-03	6.64E-03	6.63E-03
2572 493330.5, 3860343.11	0.2126	6.26E-03	6.39E-03	6.38E-03
2573 493380.5, 3860343.11	0.20611	6.07E-03	6.20E-03	6.19E-03
2574 492880.5, 3860393.11	0.29804	8.78E-03	8.96E-03	8.95E-03
2575 492930.5, 3860393.11	0.28553	8.41E-03	8.59E-03	8.58E-03
2576 492980.5, 3860393.11	0.27246	8.03E-03	8.19E-03	8.18E-03
2577 493030.5, 3860393.11	0.26046	7.67E-03	7.83E-03	7.82E-03
2578 493080.5, 3860393.11	0.24552	7.23E-03	7.38E-03	7.37E-03
2579 493130.5, 3860393.11	0.23953	7.06E-03	7.20E-03	7.19E-03
2580 493180.5, 3860393.11	0.2344	6.91E-03	7.05E-03	7.04E-03
2581 493230.5, 3860393.11	0.22644	6.67E-03	6.81E-03	6.80E-03
2582 493280.5, 3860393.11	0.2172	6.40E-03	6.53E-03	6.52E-03
2583 493330.5, 3860393.11	0.20938	6.17E-03	6.30E-03	6.29E-03
2584 493380.5, 3860393.11	0.20286	5.98E-03	6.10E-03	6.09E-03
2585 492880.5, 3860443.11	0.28839	8.50E-03	8.67E-03	8.66E-03
2586 492930.5, 3860443.11	0.2767	8.15E-03	8.32E-03	8.31E-03
2587 492980.5, 3860443.11	0.26576	7.83E-03	7.99E-03	7.98E-03
2588 493030.5, 3860443.11	0.25485	7.51E-03	7.66E-03	7.65E-03
2589 493080.5, 3860443.11	0.24521	7.23E-03	7.37E-03	7.36E-03
2590 493130.5, 3860443.11	0.23628	6.96E-03	7.10E-03	7.10E-03
2591 493180.5, 3860443.11	0.22945	6.76E-03	6.90E-03	6.89E-03
2592 493230.5, 3860443.11	0.22058	6.50E-03	6.63E-03	6.62E-03
2593 493280.5, 3860443.11	0.21273	6.27E-03	6.40E-03	6.39E-03
2594 493330.5, 3860443.11	0.20448	6.03E-03	6.15E-03	6.14E-03
2595 493380.5, 3860443.11	0.19888	5.86E-03	5.98E-03	5.97E-03
2596 493180.5, 3860493.11	0.22128	6.52E-03	6.65E-03	6.65E-03
2597 493230.5, 3860493.11	0.21373	6.30E-03	6.43E-03	6.42E-03
2598 493280.5, 3860493.11	0.20641	6.08E-03	6.21E-03	6.20E-03
2599 493330.5, 3860493.11	0.19969	5.88E-03	6.00E-03	6.00E-03
2600 493380.5, 3860493.11	0.19419	5.72E-03	5.84E-03	5.83E-03
2601 493330.5, 3860543.11	0.19275	5.68E-03	5.80E-03	5.79E-03
2602 493380.5, 3860543.11	0.18758	5.53E-03	5.64E-03	5.63E-03
2603 494135.94, 3860876.85	0.10302	3.04E-03	3.10E-03	3.09E-03
2604 494185.94, 3860876.85	0.1015	2.99E-03	3.05E-03	3.05E-03
2605 494135.94, 3860926.85	0.09852	2.90E-03	2.96E-03	2.96E-03
2606 494185.94, 3860926.85	0.09721	2.86E-03	2.92E-03	2.92E-03
2607 494135.94, 3860976.85	0.09412	2.77E-03	2.83E-03	2.83E-03
2608 494185.94, 3860976.85	0.09298	2.74E-03	2.80E-03	2.79E-03
2609 494135.94, 3861026.85	0.08975	2.64E-03	2.70E-03	2.70E-03
2610 494185.94, 3861026.85	0.08877	2.62E-03	2.67E-03	2.67E-03
2611 494135.94, 3861076.85	0.08555	2.52E-03	2.57E-03	2.57E-03
2612 494185.94, 3861076.85	0.08467	2.49E-03	2.55E-03	2.54E-03
2613 490360.04, 3858710.04	0.16059	4.73E-03	4.83E-03	4.82E-03
2614 490410.04, 3858710.04	0.15672	4.62E-03	4.71E-03	4.71E-03
2615 490460.04, 3858710.04	0.15116	4.45E-03	4.55E-03	4.54E-03
2616 490510.04, 3858710.04	0.14749	4.35E-03	4.43E-03	4.43E-03
2617 490560.04, 3858710.04	0.14447	4.26E-03	4.34E-03	4.34E-03
2618 490610.04, 3858710.04	0.14124	4.16E-03	4.25E-03	4.24E-03
2619 490660.04, 3858710.04	0.13968	4.12E-03	4.20E-03	4.19E-03

2620	490710.04, 3858710.04	0.13557	3.99E-03	4.08E-03	4.07E-03
2621	490760.04, 3858710.04	0.13218	3.89E-03	3.97E-03	3.97E-03
2622	490810.04, 3858710.04	0.12884	3.80E-03	3.87E-03	3.87E-03
2623	490860.04, 3858710.04	0.1246	3.67E-03	3.75E-03	3.74E-03
2624	490360.04, 3858760.04	0.18078	5.33E-03	5.44E-03	5.43E-03
2625	490410.04, 3858760.04	0.17532	5.17E-03	5.27E-03	5.27E-03
2626	490460.04, 3858760.04	0.16942	4.99E-03	5.09E-03	5.09E-03
2627	490510.04, 3858760.04	0.16341	4.82E-03	4.91E-03	4.91E-03
2628	490560.04, 3858760.04	0.15886	4.68E-03	4.78E-03	4.77E-03
2629	490610.04, 3858760.04	0.15405	4.54E-03	4.63E-03	4.63E-03
2630	490660.04, 3858760.04	0.14994	4.42E-03	4.51E-03	4.50E-03
2631	490710.04, 3858760.04	0.14588	4.30E-03	4.39E-03	4.38E-03
2632	490760.04, 3858760.04	0.14112	4.16E-03	4.24E-03	4.24E-03
2633	490810.04, 3858760.04	0.13683	4.03E-03	4.11E-03	4.11E-03
2634	490860.04, 3858760.04	0.13325	3.93E-03	4.01E-03	4.00E-03
2635	490360.04, 3858810.04	0.20178	5.95E-03	6.07E-03	6.06E-03
2636	490410.04, 3858810.04	0.19453	5.73E-03	5.85E-03	5.84E-03
2637	490460.04, 3858810.04	0.18727	5.52E-03	5.63E-03	5.62E-03
2638	490510.04, 3858810.04	0.18176	5.36E-03	5.47E-03	5.46E-03
2639	490560.04, 3858810.04	0.17604	5.19E-03	5.29E-03	5.29E-03
2640	490610.04, 3858810.04	0.16889	4.98E-03	5.08E-03	5.07E-03
2641	490660.04, 3858810.04	0.16331	4.81E-03	4.91E-03	4.90E-03
2642	490710.04, 3858810.04	0.15741	4.64E-03	4.73E-03	4.73E-03
2643	490760.04, 3858810.04	0.15035	4.43E-03	4.52E-03	4.52E-03
2644	490810.04, 3858810.04	0.14735	4.34E-03	4.43E-03	4.43E-03
2645	490860.04, 3858810.04	0.14206	4.19E-03	4.27E-03	4.27E-03
2646	490360.04, 3858860.04	0.22275	6.56E-03	6.70E-03	6.69E-03
2647	490410.04, 3858860.04	0.21673	6.39E-03	6.52E-03	6.51E-03
2648	490460.04, 3858860.04	0.20697	6.10E-03	6.22E-03	6.22E-03
2649	490510.04, 3858860.04	0.20181	5.95E-03	6.07E-03	6.06E-03
2650	490560.04, 3858860.04	0.19361	5.70E-03	5.82E-03	5.81E-03
2651	490610.04, 3858860.04	0.18343	5.41E-03	5.52E-03	5.51E-03
2652	490660.04, 3858860.04	0.17695	5.21E-03	5.32E-03	5.31E-03
2653	490710.04, 3858860.04	0.17202	5.07E-03	5.17E-03	5.17E-03
2654	490760.04, 3858860.04	0.16399	4.83E-03	4.93E-03	4.93E-03
2655	490810.04, 3858860.04	0.15697	4.63E-03	4.72E-03	4.71E-03
2656	490860.04, 3858860.04	0.15016	4.42E-03	4.52E-03	4.51E-03
2657	490360.04, 3858910.04	0.25188	7.42E-03	7.57E-03	7.56E-03
2658	490410.04, 3858910.04	0.24175	7.12E-03	7.27E-03	7.26E-03
2659	490460.04, 3858910.04	0.23141	6.82E-03	6.96E-03	6.95E-03
2660	490510.04, 3858910.04	0.22087	6.51E-03	6.64E-03	6.63E-03
2661	490560.04, 3858910.04	0.21017	6.19E-03	6.32E-03	6.31E-03
2662	490610.04, 3858910.04	0.19987	5.89E-03	6.01E-03	6.00E-03
2663	490660.04, 3858910.04	0.1919	5.65E-03	5.77E-03	5.76E-03
2664	490710.04, 3858910.04	0.1832	5.40E-03	5.51E-03	5.50E-03
2665	490760.04, 3858910.04	0.17364	5.12E-03	5.22E-03	5.21E-03
2666	490810.04, 3858910.04	0.16711	4.92E-03	5.02E-03	5.02E-03
2667	490860.04, 3858910.04	0.15861	4.67E-03	4.77E-03	4.76E-03
2668	490360.04, 3858960.04	0.27927	8.23E-03	8.40E-03	8.39E-03
2669	490410.04, 3858960.04	0.26547	7.82E-03	7.98E-03	7.97E-03
2670	490460.04, 3858960.04	0.25148	7.41E-03	7.56E-03	7.55E-03
2671	490510.04, 3858960.04	0.2394	7.05E-03	7.20E-03	7.19E-03
2672	490560.04, 3858960.04	0.22803	6.72E-03	6.86E-03	6.85E-03
2673	490610.04, 3858960.04	0.21461	6.32E-03	6.45E-03	6.45E-03
2674	490660.04, 3858960.04	0.20786	6.12E-03	6.25E-03	6.24E-03
2675	490710.04, 3858960.04	0.19602	5.78E-03	5.89E-03	5.89E-03
2676	490760.04, 3858960.04	0.18625	5.49E-03	5.60E-03	5.59E-03
2677	490810.04, 3858960.04	0.17704	5.22E-03	5.32E-03	5.32E-03
2678	490860.04, 3858960.04	0.16719	4.93E-03	5.03E-03	5.02E-03
2679	490360.04, 3859010.04	0.30891	9.10E-03	9.29E-03	9.28E-03
2680	490410.04, 3859010.04	0.29112	8.58E-03	8.75E-03	8.74E-03

2681	490460.04, 3859010.04	0.27182	8.01E-03	8.17E-03	8.16E-03
2682	490510.04, 3859010.04	0.25442	7.50E-03	7.65E-03	7.64E-03
2683	490560.04, 3859010.04	0.24435	7.20E-03	7.35E-03	7.34E-03
2684	490610.04, 3859010.04	0.22946	6.76E-03	6.90E-03	6.89E-03
2685	490660.04, 3859010.04	0.22208	6.54E-03	6.68E-03	6.67E-03
2686	490710.04, 3859010.04	0.20838	6.14E-03	6.27E-03	6.26E-03
2687	490760.04, 3859010.04	0.1969	5.80E-03	5.92E-03	5.91E-03
2688	490810.04, 3859010.04	0.18618	5.49E-03	5.60E-03	5.59E-03
2689	490860.04, 3859010.04	0.17707	5.22E-03	5.32E-03	5.32E-03
2690	490360.04, 3859060.04	0.33926	1.00E-02	1.02E-02	1.02E-02
2691	490410.04, 3859060.04	0.3131	9.23E-03	9.41E-03	9.40E-03
2692	490460.04, 3859060.04	0.29271	8.63E-03	8.80E-03	8.79E-03
2693	490510.04, 3859060.04	0.27568	8.12E-03	8.29E-03	8.28E-03
2694	490560.04, 3859060.04	0.25743	7.59E-03	7.74E-03	7.73E-03
2695	490610.04, 3859060.04	0.24531	7.23E-03	7.38E-03	7.37E-03
2696	490660.04, 3859060.04	0.23452	6.91E-03	7.05E-03	7.04E-03
2697	490710.04, 3859060.04	0.21939	6.46E-03	6.60E-03	6.59E-03
2698	490760.04, 3859060.04	0.20676	6.09E-03	6.22E-03	6.21E-03
2699	490810.04, 3859060.04	0.19489	5.74E-03	5.86E-03	5.85E-03
2700	490860.04, 3859060.04	0.18494	5.45E-03	5.56E-03	5.55E-03
2701	490360.04, 3859110.04	0.37638	1.11E-02	1.13E-02	1.13E-02
2702	490410.04, 3859110.04	0.34549	1.02E-02	1.04E-02	1.04E-02
2703	490460.04, 3859110.04	0.32408	9.55E-03	9.74E-03	9.73E-03
2704	490510.04, 3859110.04	0.29401	8.66E-03	8.84E-03	8.83E-03
2705	490560.04, 3859110.04	0.27555	8.12E-03	8.29E-03	8.28E-03
2706	490610.04, 3859110.04	0.25741	7.58E-03	7.74E-03	7.73E-03
2707	490660.04, 3859110.04	0.23944	7.06E-03	7.20E-03	7.19E-03
2708	490710.04, 3859110.04	0.22833	6.73E-03	6.87E-03	6.86E-03
2709	490760.04, 3859110.04	0.21576	6.36E-03	6.49E-03	6.48E-03
2710	490810.04, 3859110.04	0.20244	5.97E-03	6.09E-03	6.08E-03
2711	490860.04, 3859110.04	0.19066	5.62E-03	5.73E-03	5.73E-03
2712	490360.04, 3859160.04	0.42051	1.24E-02	1.26E-02	1.26E-02
2713	490410.04, 3859160.04	0.38533	1.14E-02	1.16E-02	1.16E-02
2714	490460.04, 3859160.04	0.3555	1.05E-02	1.07E-02	1.07E-02
2715	490510.04, 3859160.04	0.32789	9.66E-03	9.86E-03	9.85E-03
2716	490560.04, 3859160.04	0.29928	8.82E-03	9.00E-03	8.99E-03
2717	490610.04, 3859160.04	0.28066	8.27E-03	8.44E-03	8.43E-03
2718	490660.04, 3859160.04	0.25151	7.41E-03	7.56E-03	7.55E-03
2719	490710.04, 3859160.04	0.2386	7.03E-03	7.17E-03	7.17E-03
2720	490760.04, 3859160.04	0.22048	6.50E-03	6.63E-03	6.62E-03
2721	490810.04, 3859160.04	0.20992	6.19E-03	6.31E-03	6.30E-03
2722	490860.04, 3859160.04	0.19945	5.88E-03	6.00E-03	5.99E-03
2723	490360.04, 3859210.04	0.47026	1.39E-02	1.41E-02	1.41E-02
2724	490410.04, 3859210.04	0.44048	1.30E-02	1.32E-02	1.32E-02
2725	490460.04, 3859210.04	0.39135	1.15E-02	1.18E-02	1.18E-02
2726	490510.04, 3859210.04	0.35793	1.05E-02	1.08E-02	1.07E-02
2727	490560.04, 3859210.04	0.33449	9.86E-03	1.01E-02	1.00E-02
2728	490610.04, 3859210.04	0.30784	9.07E-03	9.26E-03	9.25E-03
2729	490660.04, 3859210.04	0.27612	8.14E-03	8.30E-03	8.29E-03
2730	490710.04, 3859210.04	0.25689	7.57E-03	7.72E-03	7.72E-03
2731	490760.04, 3859210.04	0.23798	7.01E-03	7.16E-03	7.15E-03
2732	490810.04, 3859210.04	0.23109	6.81E-03	6.95E-03	6.94E-03
2733	490860.04, 3859210.04	0.224	6.60E-03	6.74E-03	6.73E-03
2734	490360.04, 3859260.04	0.52105	1.54E-02	1.57E-02	1.56E-02
2735	490410.04, 3859260.04	0.48164	1.42E-02	1.45E-02	1.45E-02
2736	490460.04, 3859260.04	0.45002	1.33E-02	1.35E-02	1.35E-02
2737	490510.04, 3859260.04	0.41924	1.24E-02	1.26E-02	1.26E-02
2738	490560.04, 3859260.04	0.38421	1.13E-02	1.16E-02	1.15E-02
2739	490610.04, 3859260.04	0.34349	1.01E-02	1.03E-02	1.03E-02
2740	490660.04, 3859260.04	0.32934	9.70E-03	9.90E-03	9.89E-03
2741	490710.04, 3859260.04	0.30592	9.01E-03	9.20E-03	9.19E-03

2742	490760.04, 3859260.04	0.27906	8.22E-03	8.39E-03	8.38E-03
2743	490810.04, 3859260.04	0.2676	7.89E-03	8.05E-03	8.04E-03
2744	490860.04, 3859260.04	0.25685	7.57E-03	7.72E-03	7.71E-03
2745	490360.04, 3859310.04	0.59794	1.76E-02	1.80E-02	1.80E-02
2746	490410.04, 3859310.04	0.54989	1.62E-02	1.65E-02	1.65E-02
2747	490460.04, 3859310.04	0.50938	1.50E-02	1.53E-02	1.53E-02
2748	490510.04, 3859310.04	0.4779	1.41E-02	1.44E-02	1.44E-02
2749	490560.04, 3859310.04	0.44649	1.32E-02	1.34E-02	1.34E-02
2750	490610.04, 3859310.04	0.42053	1.24E-02	1.26E-02	1.26E-02
2751	490660.04, 3859310.04	0.39125	1.15E-02	1.18E-02	1.18E-02
2752	490710.04, 3859310.04	0.34997	1.03E-02	1.05E-02	1.05E-02
2753	490760.04, 3859310.04	0.32585	9.60E-03	9.80E-03	9.79E-03
2754	490810.04, 3859310.04	0.31034	9.14E-03	9.33E-03	9.32E-03
2755	490860.04, 3859310.04	0.29141	8.59E-03	8.76E-03	8.75E-03
2756	490360.04, 3859360.04	0.69396	2.04E-02	2.09E-02	2.08E-02
2757	490410.04, 3859360.04	0.64431	1.90E-02	1.94E-02	1.94E-02
2758	490460.04, 3859360.04	0.60175	1.77E-02	1.81E-02	1.81E-02
2759	490510.04, 3859360.04	0.56198	1.66E-02	1.69E-02	1.69E-02
2760	490560.04, 3859360.04	0.51702	1.52E-02	1.55E-02	1.55E-02
2761	490610.04, 3859360.04	0.47733	1.41E-02	1.44E-02	1.43E-02
2762	490660.04, 3859360.04	0.44548	1.31E-02	1.34E-02	1.34E-02
2763	490710.04, 3859360.04	0.40838	1.20E-02	1.23E-02	1.23E-02
2764	490760.04, 3859360.04	0.37375	1.10E-02	1.12E-02	1.12E-02
2765	490810.04, 3859360.04	0.3596	1.06E-02	1.08E-02	1.08E-02
2766	490860.04, 3859360.04	0.33848	9.97E-03	1.02E-02	1.02E-02
2767	490360.04, 3859410.04	0.81531	2.40E-02	2.45E-02	2.45E-02
2768	490410.04, 3859410.04	0.75675	2.23E-02	2.28E-02	2.27E-02
2769	490460.04, 3859410.04	0.7035	2.07E-02	2.12E-02	2.11E-02
2770	490510.04, 3859410.04	0.65427	1.93E-02	1.97E-02	1.96E-02
2771	490560.04, 3859410.04	0.60942	1.80E-02	1.83E-02	1.83E-02
2772	490610.04, 3859410.04	0.56733	1.67E-02	1.71E-02	1.70E-02
2773	490660.04, 3859410.04	0.51555	1.52E-02	1.55E-02	1.55E-02
2774	490710.04, 3859410.04	0.47406	1.40E-02	1.43E-02	1.42E-02
2775	490760.04, 3859410.04	0.43079	1.27E-02	1.30E-02	1.29E-02
2776	490810.04, 3859410.04	0.41244	1.22E-02	1.24E-02	1.24E-02
2777	490860.04, 3859410.04	0.39878	1.18E-02	1.20E-02	1.20E-02
2778	490360.04, 3859460.04	0.97776	2.88E-02	2.94E-02	2.94E-02
2779	490410.04, 3859460.04	0.89091	2.63E-02	2.68E-02	2.68E-02
2780	490460.04, 3859460.04	0.82512	2.43E-02	2.48E-02	2.48E-02
2781	490510.04, 3859460.04	0.76509	2.25E-02	2.30E-02	2.30E-02
2782	490560.04, 3859460.04	0.71248	2.10E-02	2.14E-02	2.14E-02
2783	490610.04, 3859460.04	0.6585	1.94E-02	1.98E-02	1.98E-02
2784	490660.04, 3859460.04	0.60624	1.79E-02	1.82E-02	1.82E-02
2785	490710.04, 3859460.04	0.564	1.66E-02	1.70E-02	1.69E-02
2786	490760.04, 3859460.04	0.52267	1.54E-02	1.57E-02	1.57E-02
2787	490810.04, 3859460.04	0.48528	1.43E-02	1.46E-02	1.46E-02
2788	490860.04, 3859460.04	0.4638	1.37E-02	1.39E-02	1.39E-02
2789	490360.04, 3859510.04	1.21799	3.59E-02	3.66E-02	3.66E-02
2790	490410.04, 3859510.04	1.10046	3.24E-02	3.31E-02	3.30E-02
2791	490460.04, 3859510.04	0.99635	2.94E-02	3.00E-02	2.99E-02
2792	490510.04, 3859510.04	0.91564	2.70E-02	2.75E-02	2.75E-02
2793	490560.04, 3859510.04	0.84581	2.49E-02	2.54E-02	2.54E-02
2794	490610.04, 3859510.04	0.77909	2.30E-02	2.34E-02	2.34E-02
2795	490660.04, 3859510.04	0.71875	2.12E-02	2.16E-02	2.16E-02
2796	490710.04, 3859510.04	0.66233	1.95E-02	1.99E-02	1.99E-02
2797	490760.04, 3859510.04	0.6134	1.81E-02	1.84E-02	1.84E-02
2798	490810.04, 3859510.04	0.57523	1.69E-02	1.73E-02	1.73E-02
2799	490860.04, 3859510.04	0.53684	1.58E-02	1.61E-02	1.61E-02
2800	490360.04, 3859560.04	1.58186	4.66E-02	4.76E-02	4.75E-02
2801	490410.04, 3859560.04	1.41139	4.16E-02	4.24E-02	4.24E-02
2802	490460.04, 3859560.04	1.27177	3.75E-02	3.82E-02	3.82E-02

2803 490510.04, 3859560.04	1.12994	3.33E-02	3.40E-02	3.39E-02
2804 490560.04, 3859560.04	1.03505	3.05E-02	3.11E-02	3.11E-02
2805 490610.04, 3859560.04	0.94358	2.78E-02	2.84E-02	2.83E-02
2806 490660.04, 3859560.04	0.86629	2.55E-02	2.60E-02	2.60E-02
2807 490710.04, 3859560.04	0.79395	2.34E-02	2.39E-02	2.38E-02
2808 490760.04, 3859560.04	0.72191	2.13E-02	2.17E-02	2.17E-02
2809 490810.04, 3859560.04	0.66678	1.96E-02	2.00E-02	2.00E-02
2810 490860.04, 3859560.04	0.61614	1.82E-02	1.85E-02	1.85E-02
2811 490187.25, 3859422.08	1.16791	3.44E-02	3.51E-02	3.51E-02
2812 490237.25, 3859422.08	1.06109	3.13E-02	3.19E-02	3.19E-02
2813 490287.25, 3859422.08	0.96691	2.85E-02	2.91E-02	2.90E-02
2814 490337.25, 3859422.08	0.87911	2.59E-02	2.64E-02	2.64E-02
2815 490187.25, 3859472.08	1.44256	4.25E-02	4.34E-02	4.33E-02
2816 490237.25, 3859472.08	1.30098	3.83E-02	3.91E-02	3.91E-02
2817 490287.25, 3859472.08	1.17394	3.46E-02	3.53E-02	3.53E-02
2818 490337.25, 3859472.08	1.06985	3.15E-02	3.22E-02	3.21E-02
2819 490297.07, 3859500.42	1.31036	3.86E-02	3.94E-02	3.94E-02
2820 490327.07, 3859500.42	1.24183	3.66E-02	3.73E-02	3.73E-02
2821 490297.07, 3859530.42	1.5366	4.53E-02	4.62E-02	4.61E-02
2822 490327.07, 3859530.42	1.44192	4.25E-02	4.34E-02	4.33E-02
2823 490319.73, 3859055.34	0.35789	1.05E-02	1.08E-02	1.07E-02
2824 490319.73, 3859105.34	0.39658	1.17E-02	1.19E-02	1.19E-02
2825 490069.73, 3859155.34	0.5974	1.76E-02	1.80E-02	1.79E-02
2826 490119.73, 3859155.34	0.56257	1.66E-02	1.69E-02	1.69E-02
2827 490269.73, 3859155.34	0.47768	1.41E-02	1.44E-02	1.43E-02
2828 490319.73, 3859155.34	0.4445	1.31E-02	1.34E-02	1.33E-02
2829 490069.73, 3859205.34	0.694	2.04E-02	2.09E-02	2.08E-02
2830 490119.73, 3859205.34	0.65565	1.93E-02	1.97E-02	1.97E-02
2831 490169.73, 3859205.34	0.61525	1.81E-02	1.85E-02	1.85E-02
2832 490219.73, 3859205.34	0.57165	1.68E-02	1.72E-02	1.72E-02
2833 490269.73, 3859205.34	0.52782	1.56E-02	1.59E-02	1.59E-02
2834 490319.73, 3859205.34	0.49499	1.46E-02	1.49E-02	1.49E-02
2835 490069.73, 3859255.34	0.80406	2.37E-02	2.42E-02	2.41E-02
2836 490119.73, 3859255.34	0.7524	2.22E-02	2.26E-02	2.26E-02
2837 490169.73, 3859255.34	0.70262	2.07E-02	2.11E-02	2.11E-02
2838 490219.73, 3859255.34	0.64889	1.91E-02	1.95E-02	1.95E-02
2839 490269.73, 3859255.34	0.60014	1.77E-02	1.80E-02	1.80E-02
2840 490319.73, 3859255.34	0.55964	1.65E-02	1.68E-02	1.68E-02
2841 490069.73, 3859305.34	0.94086	2.77E-02	2.83E-02	2.83E-02
2842 490119.73, 3859305.34	0.87474	2.58E-02	2.63E-02	2.63E-02
2843 490169.73, 3859305.34	0.81081	2.39E-02	2.44E-02	2.44E-02
2844 490219.73, 3859305.34	0.74709	2.20E-02	2.25E-02	2.24E-02
2845 490269.73, 3859305.34	0.68932	2.03E-02	2.07E-02	2.07E-02
2846 490319.73, 3859305.34	0.634	1.87E-02	1.91E-02	1.90E-02
2847 490069.73, 3859355.34	1.12944	3.33E-02	3.40E-02	3.39E-02
2848 490119.73, 3859355.34	1.03626	3.05E-02	3.12E-02	3.11E-02
2849 490169.73, 3859355.34	0.95206	2.81E-02	2.86E-02	2.86E-02
2850 490219.73, 3859355.34	0.87166	2.57E-02	2.62E-02	2.62E-02
2851 490269.73, 3859355.34	0.79917	2.35E-02	2.40E-02	2.40E-02
2852 490319.73, 3859355.34	0.73394	2.16E-02	2.21E-02	2.20E-02
2853 490069.73, 3859405.34	1.38575	4.08E-02	4.17E-02	4.16E-02
2854 490119.73, 3859405.34	1.24872	3.68E-02	3.75E-02	3.75E-02
2855 490169.73, 3859405.34	1.13334	3.34E-02	3.41E-02	3.40E-02
2856 490219.73, 3859405.34	1.0333	3.04E-02	3.11E-02	3.10E-02
2857 490269.73, 3859405.34	0.93974	2.77E-02	2.83E-02	2.82E-02
2858 490319.73, 3859405.34	0.85315	2.51E-02	2.57E-02	2.56E-02
2859 490161.89, 3859541.83	2.35783	6.95E-02	7.09E-02	7.08E-02
2860 490171.89, 3859541.83	2.2868	6.74E-02	6.88E-02	6.87E-02
2861 490161.89, 3859551.83	2.57972	7.60E-02	7.76E-02	7.75E-02
2862 490171.89, 3859551.83	2.49339	7.35E-02	7.50E-02	7.49E-02
2863 489799.72, 3859348.21	2.18616	6.44E-02	6.57E-02	6.57E-02

2864 489819.72, 3859348.21	2.03308	5.99E-02	6.11E-02	6.11E-02
2865 489799.72, 3859368.21	2.55188	7.52E-02	7.67E-02	7.66E-02
2866 489819.72, 3859368.21	2.34341	6.91E-02	7.05E-02	7.04E-02
2867 489775.41, 3859329.72	2.10221	6.19E-02	6.32E-02	6.31E-02
2868 489795.41, 3859329.72	1.9596	5.77E-02	5.89E-02	5.89E-02
2869 489775.41, 3859349.72	2.43844	7.19E-02	7.33E-02	7.32E-02
2870 489795.41, 3859349.72	2.2471	6.62E-02	6.76E-02	6.75E-02
2871 489595.05, 3859219.43	1.88219	5.55E-02	5.66E-02	5.65E-02
2872 489615.05, 3859219.43	1.76124	5.19E-02	5.30E-02	5.29E-02
2873 489595.05, 3859239.43	2.16717	6.39E-02	6.52E-02	6.51E-02
2874 489615.05, 3859239.43	2.00957	5.92E-02	6.04E-02	6.04E-02
2875 489372.4, 3859092.58	1.70884	5.04E-02	5.14E-02	5.13E-02
2876 489422.4, 3859092.58	1.46127	4.31E-02	4.39E-02	4.39E-02
2877 489372.4, 3859142.58	2.49843	7.36E-02	7.51E-02	7.50E-02
2878 489422.4, 3859142.58	2.02975	5.98E-02	6.10E-02	6.10E-02
2879 488870.84, 3858666.64	0.14258	4.20E-03	4.29E-03	4.28E-03
2880 488900.84, 3858666.64	0.14259	4.20E-03	4.29E-03	4.28E-03
2881 488870.84, 3858696.64	0.15856	4.67E-03	4.77E-03	4.76E-03
2882 488900.84, 3858696.64	0.15858	4.67E-03	4.77E-03	4.76E-03
2883 488889.67, 3858683.97	0.15138	4.46E-03	4.55E-03	4.55E-03
2884 488919.67, 3858683.97	0.15129	4.46E-03	4.55E-03	4.54E-03
2885 488889.67, 3858713.97	0.16989	5.01E-03	5.11E-03	5.10E-03
2886 488919.67, 3858713.97	0.16979	5.00E-03	5.11E-03	5.10E-03
2887 488906.61, 3858703.33	0.16271	4.79E-03	4.89E-03	4.89E-03
2888 488936.61, 3858703.33	0.16259	4.79E-03	4.89E-03	4.88E-03
2889 488906.61, 3858733.33	0.18486	5.45E-03	5.56E-03	5.55E-03
2890 488936.61, 3858733.33	0.1849	5.45E-03	5.56E-03	5.55E-03
2891 488637.63, 3858467.85	0.08578	2.53E-03	2.58E-03	2.58E-03
2892 488662.63, 3858467.85	0.08615	2.54E-03	2.59E-03	2.59E-03
2893 488637.63, 3858492.85	0.08947	2.64E-03	2.69E-03	2.69E-03
2894 488662.63, 3858492.85	0.08997	2.65E-03	2.71E-03	2.70E-03
2895 488687.63, 3858492.85	0.09036	2.66E-03	2.72E-03	2.71E-03
2896 488637.63, 3858517.85	0.09345	2.75E-03	2.81E-03	2.81E-03
2897 488662.63, 3858517.85	0.09414	2.77E-03	2.83E-03	2.83E-03
2898 488687.63, 3858517.85	0.09465	2.79E-03	2.85E-03	2.84E-03
2899 488194.42, 3857168.98	0.03267	9.63E-04	9.82E-04	9.81E-04
2900 488244.42, 3857168.98	0.03283	9.67E-04	9.87E-04	9.86E-04
2901 488294.42, 3857168.98	0.03291	9.70E-04	9.90E-04	9.88E-04
2902 488244.42, 3857218.98	0.0331	9.75E-04	9.95E-04	9.94E-04
2903 488294.42, 3857218.98	0.03324	9.79E-04	9.99E-04	9.98E-04
2904 488294.42, 3857268.98	0.03362	9.91E-04	1.01E-03	1.01E-03
2905 488139.13, 3857111.68	0.03228	9.51E-04	9.71E-04	9.69E-04
2906 488189.13, 3857111.68	0.03246	9.56E-04	9.76E-04	9.75E-04
2907 488189.13, 3857161.68	0.03262	9.61E-04	9.81E-04	9.80E-04
2908 487951.04, 3856961.26	0.0315	9.28E-04	9.47E-04	9.46E-04
2909 488001.04, 3856961.26	0.03158	9.31E-04	9.50E-04	9.48E-04
2910 488051.04, 3856961.26	0.03153	9.29E-04	9.48E-04	9.47E-04
2911 488101.04, 3856961.26	0.0317	9.34E-04	9.53E-04	9.52E-04
2912 487951.04, 3857011.26	0.03172	9.35E-04	9.54E-04	9.53E-04
2913 488001.04, 3857011.26	0.03171	9.34E-04	9.53E-04	9.52E-04
2914 488051.04, 3857011.26	0.03169	9.34E-04	9.53E-04	9.52E-04
2915 488101.04, 3857011.26	0.03188	9.39E-04	9.59E-04	9.57E-04
2916 488001.04, 3857061.26	0.03189	9.40E-04	9.59E-04	9.58E-04
2917 488051.04, 3857061.26	0.03198	9.42E-04	9.62E-04	9.60E-04
2918 488101.04, 3857061.26	0.03209	9.46E-04	9.65E-04	9.64E-04
2919 487638.98, 3856673.79	0.03038	8.95E-04	9.13E-04	9.12E-04
2920 487688.98, 3856673.79	0.03049	8.98E-04	9.17E-04	9.16E-04
2921 487638.98, 3856723.79	0.03043	8.97E-04	9.15E-04	9.14E-04
2922 487688.98, 3856723.79	0.03053	9.00E-04	9.18E-04	9.17E-04
2923 486324.61, 3855740.57	0.03305	9.74E-04	9.94E-04	9.93E-04
2924 486374.61, 3855740.57	0.03263	9.61E-04	9.81E-04	9.80E-04

2925	486424.61, 3855740.57	0.03248	9.57E-04	9.77E-04	9.75E-04
2926	486324.61, 3855790.57	0.03273	9.64E-04	9.84E-04	9.83E-04
2927	486374.61, 3855790.57	0.03234	9.53E-04	9.72E-04	9.71E-04
2928	486424.61, 3855790.57	0.03228	9.51E-04	9.71E-04	9.69E-04
2929	486324.61, 3855840.57	0.03242	9.55E-04	9.75E-04	9.74E-04
2930	486374.61, 3855840.57	0.0323	9.52E-04	9.71E-04	9.70E-04
2931	486424.61, 3855840.57	0.03211	9.46E-04	9.65E-04	9.64E-04
2932	486324.61, 3855890.57	0.0324	9.55E-04	9.74E-04	9.73E-04
2933	486374.61, 3855890.57	0.03223	9.50E-04	9.69E-04	9.68E-04
2934	486424.61, 3855890.57	0.032	9.43E-04	9.62E-04	9.61E-04
2935	488735.69, 3858285.64	0.06666	1.96E-03	2.00E-03	2.00E-03
2936	488765.69, 3858285.64	0.06686	1.97E-03	2.01E-03	2.01E-03
2937	488735.69, 3858315.64	0.06922	2.04E-03	2.08E-03	2.08E-03
2938	488765.69, 3858315.64	0.06943	2.05E-03	2.09E-03	2.09E-03
2939	478676.63, 3849871.93	0.72155	2.13E-02	2.17E-02	2.17E-02
2940	479326.63, 3849871.93	0.4446	1.31E-02	1.34E-02	1.34E-02
2941	479376.63, 3849871.93	0.43171	1.27E-02	1.30E-02	1.30E-02
2942	479426.63, 3849871.93	0.42218	1.24E-02	1.27E-02	1.27E-02
2943	478726.63, 3849921.93	0.75483	2.22E-02	2.27E-02	2.27E-02
2944	478776.63, 3849921.93	0.72303	2.13E-02	2.17E-02	2.17E-02
2945	478826.63, 3849921.93	0.69304	2.04E-02	2.08E-02	2.08E-02
2946	478976.63, 3849921.93	0.61443	1.81E-02	1.85E-02	1.85E-02
2947	479026.63, 3849921.93	0.59518	1.75E-02	1.79E-02	1.79E-02
2948	479076.63, 3849921.93	0.57452	1.69E-02	1.73E-02	1.73E-02
2949	479126.63, 3849921.93	0.55449	1.63E-02	1.67E-02	1.67E-02
2950	479176.63, 3849921.93	0.53737	1.58E-02	1.62E-02	1.61E-02
2951	479226.63, 3849921.93	0.51538	1.52E-02	1.55E-02	1.55E-02
2952	479276.63, 3849921.93	0.48612	1.43E-02	1.46E-02	1.46E-02
2953	479326.63, 3849921.93	0.48572	1.43E-02	1.46E-02	1.46E-02
2954	479376.63, 3849921.93	0.45909	1.35E-02	1.38E-02	1.38E-02
2955	479426.63, 3849921.93	0.45482	1.34E-02	1.37E-02	1.37E-02
2956	478726.63, 3849971.93	0.82841	2.44E-02	2.49E-02	2.49E-02
2957	478776.63, 3849971.93	0.79057	2.33E-02	2.38E-02	2.37E-02
2958	478826.63, 3849971.93	0.75523	2.23E-02	2.27E-02	2.27E-02
2959	478976.63, 3849971.93	0.66823	1.97E-02	2.01E-02	2.01E-02
2960	479026.63, 3849971.93	0.64161	1.89E-02	1.93E-02	1.93E-02
2961	479076.63, 3849971.93	0.61673	1.82E-02	1.85E-02	1.85E-02
2962	479126.63, 3849971.93	0.59447	1.75E-02	1.79E-02	1.79E-02
2963	479176.63, 3849971.93	0.5744	1.69E-02	1.73E-02	1.73E-02
2964	479226.63, 3849971.93	0.53801	1.59E-02	1.62E-02	1.62E-02
2965	479276.63, 3849971.93	0.53172	1.57E-02	1.60E-02	1.60E-02
2966	479326.63, 3849971.93	0.52189	1.54E-02	1.57E-02	1.57E-02
2967	479376.63, 3849971.93	0.49574	1.46E-02	1.49E-02	1.49E-02
2968	479426.63, 3849971.93	0.48434	1.43E-02	1.46E-02	1.45E-02
2969	478726.63, 3850021.93	0.91814	2.71E-02	2.76E-02	2.76E-02
2970	478776.63, 3850021.93	0.87128	2.57E-02	2.62E-02	2.62E-02
2971	478826.63, 3850021.93	0.82941	2.44E-02	2.49E-02	2.49E-02
2972	478976.63, 3850021.93	0.72548	2.14E-02	2.18E-02	2.18E-02
2973	478726.63, 3850071.93	1.03099	3.04E-02	3.10E-02	3.10E-02
2974	478776.63, 3850071.93	0.97202	2.86E-02	2.92E-02	2.92E-02
2975	478826.63, 3850071.93	0.92012	2.71E-02	2.77E-02	2.76E-02
2976	478876.63, 3850071.93	0.87356	2.57E-02	2.63E-02	2.62E-02
2977	478976.63, 3850071.93	0.79379	2.34E-02	2.39E-02	2.38E-02
2978	478726.63, 3850121.93	1.17842	3.47E-02	3.54E-02	3.54E-02
2979	478776.63, 3850121.93	1.10002	3.24E-02	3.31E-02	3.30E-02
2980	478826.63, 3850121.93	1.03301	3.04E-02	3.11E-02	3.10E-02
2981	478876.63, 3850121.93	0.97443	2.87E-02	2.93E-02	2.93E-02
2982	478976.63, 3850121.93	0.87507	2.58E-02	2.63E-02	2.63E-02
2983	479026.63, 3850121.93	0.83342	2.46E-02	2.51E-02	2.50E-02
2984	479076.63, 3850121.93	0.79528	2.34E-02	2.39E-02	2.39E-02
2985	479126.63, 3850121.93	0.75956	2.24E-02	2.28E-02	2.28E-02

2986 478776.63, 3850171.93	1.27318	3.75E-02	3.83E-02	3.82E-02
2987 478826.63, 3850171.93	1.1824	3.48E-02	3.56E-02	3.55E-02
2988 478876.63, 3850171.93	1.10437	3.25E-02	3.32E-02	3.32E-02
2989 478976.63, 3850171.93	0.97706	2.88E-02	2.94E-02	2.93E-02
2990 479026.63, 3850171.93	0.92466	2.72E-02	2.78E-02	2.78E-02
2991 479076.63, 3850171.93	0.87842	2.59E-02	2.64E-02	2.64E-02
2992 479126.63, 3850171.93	0.83543	2.46E-02	2.51E-02	2.51E-02
2993 479176.63, 3850171.93	0.79764	2.35E-02	2.40E-02	2.40E-02
2994 479226.63, 3850171.93	0.76528	2.25E-02	2.30E-02	2.30E-02
2995 479276.63, 3850171.93	0.73355	2.16E-02	2.21E-02	2.20E-02
2996 479326.63, 3850171.93	0.7056	2.08E-02	2.12E-02	2.12E-02
2997 479376.63, 3850171.93	0.67665	1.99E-02	2.03E-02	2.03E-02
2998 478676.63, 3850221.93	1.92529	5.67E-02	5.79E-02	5.78E-02
2999 478726.63, 3850221.93	1.69644	5.00E-02	5.10E-02	5.09E-02
3000 478976.63, 3850221.93	1.10675	3.26E-02	3.33E-02	3.32E-02
3001 479026.63, 3850221.93	1.03808	3.06E-02	3.12E-02	3.12E-02
3002 479076.63, 3850221.93	0.98008	2.89E-02	2.95E-02	2.94E-02
3003 479126.63, 3850221.93	0.92827	2.74E-02	2.79E-02	2.79E-02
3004 479176.63, 3850221.93	0.8808	2.60E-02	2.65E-02	2.65E-02
3005 479226.63, 3850221.93	0.83849	2.47E-02	2.52E-02	2.52E-02
3006 479276.63, 3850221.93	0.79981	2.36E-02	2.40E-02	2.40E-02
3007 479326.63, 3850221.93	0.76739	2.26E-02	2.31E-02	2.30E-02
3008 479376.63, 3850221.93	0.73636	2.17E-02	2.21E-02	2.21E-02
3009 478676.63, 3850271.93	2.68582	7.91E-02	8.08E-02	8.07E-02
3010 478726.63, 3850271.93	2.23385	6.58E-02	6.72E-02	6.71E-02
3011 478976.63, 3850271.93	1.2844	3.78E-02	3.86E-02	3.86E-02
3012 479026.63, 3850271.93	1.18797	3.50E-02	3.57E-02	3.57E-02
3013 479076.63, 3850271.93	1.10953	3.27E-02	3.34E-02	3.33E-02
3014 479126.63, 3850271.93	1.04171	3.07E-02	3.13E-02	3.13E-02
3015 479176.63, 3850271.93	0.98131	2.89E-02	2.95E-02	2.95E-02
3016 479226.63, 3850271.93	0.92751	2.73E-02	2.79E-02	2.79E-02
3017 479276.63, 3850271.93	0.88136	2.60E-02	2.65E-02	2.65E-02
3018 479326.63, 3850271.93	0.84173	2.48E-02	2.53E-02	2.53E-02
3019 479376.63, 3850271.93	0.80482	2.37E-02	2.42E-02	2.42E-02
3020 479053.24, 3850293.52	1.2174	3.59E-02	3.66E-02	3.66E-02
3021 479103.24, 3850293.52	1.1341	3.34E-02	3.41E-02	3.41E-02
3022 479153.24, 3850293.52	1.06416	3.14E-02	3.20E-02	3.20E-02
3023 479203.24, 3850293.52	1.00012	2.95E-02	3.01E-02	3.00E-02
3024 479253.24, 3850293.52	0.94529	2.79E-02	2.84E-02	2.84E-02
3025 479303.24, 3850293.52	0.89911	2.65E-02	2.70E-02	2.70E-02
3026 479353.24, 3850293.52	0.85761	2.53E-02	2.58E-02	2.58E-02
3027 479153.24, 3850343.52	1.22026	3.60E-02	3.67E-02	3.66E-02
3028 479203.24, 3850343.52	1.13566	3.35E-02	3.41E-02	3.41E-02
3029 479253.24, 3850343.52	1.06716	3.14E-02	3.21E-02	3.20E-02
3030 479303.24, 3850343.52	1.00798	2.97E-02	3.03E-02	3.03E-02
3031 479353.24, 3850343.52	0.95469	2.81E-02	2.87E-02	2.87E-02
3032 479203.24, 3850393.52	1.32506	3.90E-02	3.98E-02	3.98E-02
3033 479253.24, 3850393.52	1.22954	3.62E-02	3.70E-02	3.69E-02
3034 479303.24, 3850393.52	1.14963	3.39E-02	3.46E-02	3.45E-02
3035 479353.24, 3850393.52	1.0797	3.18E-02	3.25E-02	3.24E-02
3036 479403.24, 3850393.52	1.01691	3.00E-02	3.06E-02	3.05E-02
3037 479453.24, 3850393.52	0.96	2.83E-02	2.89E-02	2.88E-02
3038 479503.24, 3850393.52	0.90477	2.67E-02	2.72E-02	2.72E-02
3039 479303.24, 3850443.52	1.34867	3.97E-02	4.06E-02	4.05E-02
3040 479353.24, 3850443.52	1.25085	3.69E-02	3.76E-02	3.76E-02
3041 479403.24, 3850443.52	1.16459	3.43E-02	3.50E-02	3.50E-02
3042 479453.24, 3850443.52	1.08721	3.20E-02	3.27E-02	3.27E-02
3043 479503.24, 3850443.52	1.01551	2.99E-02	3.05E-02	3.05E-02
3044 480327.18, 3850987.04	1.61767	4.77E-02	4.86E-02	4.86E-02
3045 480377.18, 3850987.04	1.4729	4.34E-02	4.43E-02	4.42E-02
3046 480427.18, 3850987.04	1.35126	3.98E-02	4.06E-02	4.06E-02

3047	480477.18, 3850987.04	1.24524	3.67E-02	3.74E-02	3.74E-02
3048	480327.18, 3851037.04	2.08393	6.14E-02	6.27E-02	6.26E-02
3049	480377.18, 3851037.04	1.84307	5.43E-02	5.54E-02	5.54E-02
3050	480427.18, 3851037.04	1.64955	4.86E-02	4.96E-02	4.95E-02
3051	480477.18, 3851037.04	1.48961	4.39E-02	4.48E-02	4.47E-02
3052	480622.06, 3851087.39	1.37894	4.06E-02	4.15E-02	4.14E-02
3053	480672.06, 3851087.39	1.26782	3.74E-02	3.81E-02	3.81E-02
3054	480622.06, 3851137.39	1.69858	5.01E-02	5.11E-02	5.10E-02
3055	480672.06, 3851137.39	1.52648	4.50E-02	4.59E-02	4.58E-02
3056	480722.06, 3851137.39	1.39023	4.10E-02	4.18E-02	4.18E-02
3057	480622.06, 3851187.39	2.24293	6.61E-02	6.74E-02	6.74E-02
3058	480672.06, 3851187.39	1.93941	5.71E-02	5.83E-02	5.82E-02
3059	480722.06, 3851187.39	1.71489	5.05E-02	5.16E-02	5.15E-02
3060	471363.09, 3845877.25	0.00882	2.60E-04	2.65E-04	2.65E-04
3061	471863.09, 3845877.25	0.00854	2.52E-04	2.57E-04	2.56E-04
3062	472363.09, 3845877.25	0.01106	3.26E-04	3.33E-04	3.32E-04
3063	472863.09, 3845877.25	0.00833	2.45E-04	2.50E-04	2.50E-04
3064	473363.09, 3845877.25	0.00875	2.58E-04	2.63E-04	2.63E-04
3065	473863.09, 3845877.25	0.00916	2.70E-04	2.75E-04	2.75E-04
3066	474363.09, 3845877.25	0.01066	3.14E-04	3.21E-04	3.20E-04
3067	474863.09, 3845877.25	0.01241	3.66E-04	3.73E-04	3.73E-04
3068	475363.09, 3845877.25	0.01435	4.23E-04	4.31E-04	4.31E-04
3069	475863.09, 3845877.25	0.01479	4.36E-04	4.45E-04	4.44E-04
3070	476363.09, 3845877.25	0.01385	4.08E-04	4.16E-04	4.16E-04
3071	476863.09, 3845877.25	0.01292	3.81E-04	3.88E-04	3.88E-04
3072	477363.09, 3845877.25	0.01289	3.80E-04	3.88E-04	3.87E-04
3073	477863.09, 3845877.25	0.01223	3.60E-04	3.68E-04	3.67E-04
3074	478363.09, 3845877.25	0.01251	3.69E-04	3.76E-04	3.76E-04
3075	478863.09, 3845877.25	0.01274	3.75E-04	3.83E-04	3.83E-04
3076	479363.09, 3845877.25	0.01358	4.00E-04	4.08E-04	4.08E-04
3077	479863.09, 3845877.25	0.01366	4.03E-04	4.11E-04	4.10E-04
3078	480363.09, 3845877.25	0.01268	3.74E-04	3.81E-04	3.81E-04
3079	480863.09, 3845877.25	0.01246	3.67E-04	3.75E-04	3.74E-04
3080	481363.09, 3845877.25	0.01234	3.64E-04	3.71E-04	3.71E-04
3081	481863.09, 3845877.25	0.01184	3.49E-04	3.56E-04	3.56E-04
3082	482363.09, 3845877.25	0.01114	3.28E-04	3.35E-04	3.35E-04
3083	482863.09, 3845877.25	0.009	2.65E-04	2.71E-04	2.70E-04
3084	483363.09, 3845877.25	0.00814	2.40E-04	2.45E-04	2.44E-04
3085	483863.09, 3845877.25	0.01033	3.04E-04	3.11E-04	3.10E-04
3086	484363.09, 3845877.25	0.01052	3.10E-04	3.16E-04	3.16E-04
3087	484863.09, 3845877.25	0.01032	3.04E-04	3.10E-04	3.10E-04
3088	485363.09, 3845877.25	0.00988	2.91E-04	2.97E-04	2.97E-04
3089	485863.09, 3845877.25	0.0102	3.01E-04	3.07E-04	3.06E-04
3090	486363.09, 3845877.25	0.01009	2.97E-04	3.03E-04	3.03E-04
3091	486863.09, 3845877.25	0.00942	2.78E-04	2.83E-04	2.83E-04
3092	487363.09, 3845877.25	0.00931	2.74E-04	2.80E-04	2.80E-04
3093	487863.09, 3845877.25	0.0087	2.56E-04	2.62E-04	2.61E-04
3094	488363.09, 3845877.25	0.00845	2.49E-04	2.54E-04	2.54E-04
3095	488863.09, 3845877.25	0.00976	2.88E-04	2.93E-04	2.93E-04
3096	489363.09, 3845877.25	0.00971	2.86E-04	2.92E-04	2.92E-04
3097	489863.09, 3845877.25	0.00905	2.67E-04	2.72E-04	2.72E-04
3098	490363.09, 3845877.25	0.00814	2.40E-04	2.45E-04	2.44E-04
3099	490863.09, 3845877.25	0.00654	1.93E-04	1.97E-04	1.96E-04
3100	491363.09, 3845877.25	0.00736	2.17E-04	2.21E-04	2.21E-04
3101	491863.09, 3845877.25	0.00784	2.31E-04	2.36E-04	2.35E-04
3102	492363.09, 3845877.25	0.00666	1.96E-04	2.00E-04	2.00E-04
3103	492863.09, 3845877.25	0.0081	2.39E-04	2.44E-04	2.43E-04
3104	493363.09, 3845877.25	0.00857	2.53E-04	2.58E-04	2.57E-04
3105	493863.09, 3845877.25	0.00902	2.66E-04	2.71E-04	2.71E-04
3106	494363.09, 3845877.25	0.00929	2.74E-04	2.79E-04	2.79E-04
3107	494863.09, 3845877.25	0.00937	2.76E-04	2.82E-04	2.81E-04

3108	495363.09, 3845877.25	0.00963	2.84E-04	2.90E-04	2.89E-04
3109	495863.09, 3845877.25	0.0099	2.92E-04	2.98E-04	2.97E-04
3110	496363.09, 3845877.25	0.01014	2.99E-04	3.05E-04	3.05E-04
3111	496863.09, 3845877.25	0.01013	2.98E-04	3.05E-04	3.04E-04
3112	497363.09, 3845877.25	0.01012	2.98E-04	3.04E-04	3.04E-04
3113	497863.09, 3845877.25	0.01016	2.99E-04	3.05E-04	3.05E-04
3114	498363.09, 3845877.25	0.01009	2.97E-04	3.03E-04	3.03E-04
3115	471363.09, 3846377.25	0.02222	6.55E-04	6.68E-04	6.67E-04
3116	471863.09, 3846377.25	0.01991	5.87E-04	5.99E-04	5.98E-04
3117	472363.09, 3846377.25	0.01046	3.08E-04	3.15E-04	3.14E-04
3118	472863.09, 3846377.25	0.01174	3.46E-04	3.53E-04	3.53E-04
3119	473363.09, 3846377.25	0.01175	3.46E-04	3.53E-04	3.53E-04
3120	473863.09, 3846377.25	0.01351	3.98E-04	4.06E-04	4.06E-04
3121	474363.09, 3846377.25	0.01423	4.19E-04	4.28E-04	4.27E-04
3122	474863.09, 3846377.25	0.01619	4.77E-04	4.87E-04	4.86E-04
3123	475363.09, 3846377.25	0.01849	5.45E-04	5.56E-04	5.55E-04
3124	475863.09, 3846377.25	0.02134	6.29E-04	6.42E-04	6.41E-04
3125	476363.09, 3846377.25	0.02099	6.18E-04	6.31E-04	6.30E-04
3126	476863.09, 3846377.25	0.02076	6.12E-04	6.24E-04	6.23E-04
3127	477363.09, 3846377.25	0.02087	6.15E-04	6.28E-04	6.27E-04
3128	477863.09, 3846377.25	0.02018	5.95E-04	6.07E-04	6.06E-04
3129	478363.09, 3846377.25	0.01993	5.87E-04	5.99E-04	5.99E-04
3130	478863.09, 3846377.25	0.02084	6.14E-04	6.27E-04	6.26E-04
3131	479363.09, 3846377.25	0.02106	6.21E-04	6.33E-04	6.32E-04
3132	479863.09, 3846377.25	0.02049	6.04E-04	6.16E-04	6.15E-04
3133	480363.09, 3846377.25	0.02076	6.12E-04	6.24E-04	6.23E-04
3134	480863.09, 3846377.25	0.01869	5.51E-04	5.62E-04	5.61E-04
3135	481363.09, 3846377.25	0.0185	5.45E-04	5.56E-04	5.56E-04
3136	481863.09, 3846377.25	0.01744	5.14E-04	5.24E-04	5.24E-04
3137	482363.09, 3846377.25	0.0159	4.69E-04	4.78E-04	4.78E-04
3138	482863.09, 3846377.25	0.01358	4.00E-04	4.08E-04	4.08E-04
3139	483363.09, 3846377.25	0.01443	4.25E-04	4.34E-04	4.33E-04
3140	483863.09, 3846377.25	0.01432	4.22E-04	4.31E-04	4.30E-04
3141	484363.09, 3846377.25	0.01312	3.87E-04	3.94E-04	3.94E-04
3142	484863.09, 3846377.25	0.01453	4.28E-04	4.37E-04	4.36E-04
3143	485363.09, 3846377.25	0.01454	4.28E-04	4.37E-04	4.37E-04
3144	485863.09, 3846377.25	0.01355	3.99E-04	4.07E-04	4.07E-04
3145	486363.09, 3846377.25	0.01142	3.37E-04	3.43E-04	3.43E-04
3146	486863.09, 3846377.25	0.01086	3.20E-04	3.27E-04	3.26E-04
3147	487363.09, 3846377.25	0.01123	3.31E-04	3.38E-04	3.37E-04
3148	487863.09, 3846377.25	0.01253	3.69E-04	3.77E-04	3.76E-04
3149	488363.09, 3846377.25	0.01223	3.60E-04	3.68E-04	3.67E-04
3150	488863.09, 3846377.25	0.01208	3.56E-04	3.63E-04	3.63E-04
3151	489363.09, 3846377.25	0.01185	3.49E-04	3.56E-04	3.56E-04
3152	489863.09, 3846377.25	0.01106	3.26E-04	3.33E-04	3.32E-04
3153	490363.09, 3846377.25	0.00896	2.64E-04	2.69E-04	2.69E-04
3154	490863.09, 3846377.25	0.00815	2.40E-04	2.45E-04	2.45E-04
3155	491363.09, 3846377.25	0.00796	2.35E-04	2.39E-04	2.39E-04
3156	491863.09, 3846377.25	0.00925	2.73E-04	2.78E-04	2.78E-04
3157	492363.09, 3846377.25	0.00885	2.61E-04	2.66E-04	2.66E-04
3158	492863.09, 3846377.25	0.00892	2.63E-04	2.68E-04	2.68E-04
3159	493363.09, 3846377.25	0.00983	2.90E-04	2.96E-04	2.95E-04
3160	493863.09, 3846377.25	0.01021	3.01E-04	3.07E-04	3.07E-04
3161	494363.09, 3846377.25	0.01048	3.09E-04	3.15E-04	3.15E-04
3162	494863.09, 3846377.25	0.01065	3.14E-04	3.20E-04	3.20E-04
3163	495363.09, 3846377.25	0.01077	3.17E-04	3.24E-04	3.23E-04
3164	495863.09, 3846377.25	0.01104	3.25E-04	3.32E-04	3.32E-04
3165	496363.09, 3846377.25	0.01126	3.32E-04	3.39E-04	3.38E-04
3166	496863.09, 3846377.25	0.01137	3.35E-04	3.42E-04	3.41E-04
3167	497363.09, 3846377.25	0.0114	3.36E-04	3.43E-04	3.42E-04
3168	497863.09, 3846377.25	0.0113	3.33E-04	3.40E-04	3.39E-04

3169	498363.09, 3846377.25	0.01111	3.27E-04	3.34E-04	3.34E-04
3170	471363.09, 3846877.25	0.02416	7.12E-04	7.26E-04	7.26E-04
3171	471863.09, 3846877.25	0.02854	8.41E-04	8.58E-04	8.57E-04
3172	472363.09, 3846877.25	0.03102	9.14E-04	9.33E-04	9.32E-04
3173	472863.09, 3846877.25	0.01376	4.05E-04	4.14E-04	4.13E-04
3174	473363.09, 3846877.25	0.01734	5.11E-04	5.21E-04	5.21E-04
3175	473863.09, 3846877.25	0.02086	6.15E-04	6.27E-04	6.26E-04
3176	474363.09, 3846877.25	0.0206	6.07E-04	6.19E-04	6.19E-04
3177	474863.09, 3846877.25	0.02155	6.35E-04	6.48E-04	6.47E-04
3178	475363.09, 3846877.25	0.02295	6.76E-04	6.90E-04	6.89E-04
3179	475863.09, 3846877.25	0.03146	9.27E-04	9.46E-04	9.45E-04
3180	476363.09, 3846877.25	0.03649	1.08E-03	1.10E-03	1.10E-03
3181	476863.09, 3846877.25	0.03665	1.08E-03	1.10E-03	1.10E-03
3182	477363.09, 3846877.25	0.03673	1.08E-03	1.10E-03	1.10E-03
3183	477863.09, 3846877.25	0.03522	1.04E-03	1.06E-03	1.06E-03
3184	478363.09, 3846877.25	0.03454	1.02E-03	1.04E-03	1.04E-03
3185	478863.09, 3846877.25	0.03487	1.03E-03	1.05E-03	1.05E-03
3186	479363.09, 3846877.25	0.0335	9.87E-04	1.01E-03	1.01E-03
3187	479863.09, 3846877.25	0.02818	8.30E-04	8.47E-04	8.46E-04
3188	480363.09, 3846877.25	0.02509	7.39E-04	7.54E-04	7.54E-04
3189	480863.09, 3846877.25	0.0238	7.01E-04	7.16E-04	7.15E-04
3190	481363.09, 3846877.25	0.02477	7.30E-04	7.45E-04	7.44E-04
3191	481863.09, 3846877.25	0.02419	7.13E-04	7.27E-04	7.26E-04
3192	482363.09, 3846877.25	0.02122	6.25E-04	6.38E-04	6.37E-04
3193	482863.09, 3846877.25	0.02066	6.09E-04	6.21E-04	6.20E-04
3194	483363.09, 3846877.25	0.02005	5.91E-04	6.03E-04	6.02E-04
3195	483863.09, 3846877.25	0.01959	5.77E-04	5.89E-04	5.88E-04
3196	484363.09, 3846877.25	0.01959	5.77E-04	5.89E-04	5.88E-04
3197	484863.09, 3846877.25	0.01894	5.58E-04	5.69E-04	5.69E-04
3198	485363.09, 3846877.25	0.01893	5.58E-04	5.69E-04	5.69E-04
3199	485863.09, 3846877.25	0.01782	5.25E-04	5.36E-04	5.35E-04
3200	486363.09, 3846877.25	0.01855	5.47E-04	5.58E-04	5.57E-04
3201	486863.09, 3846877.25	0.01575	4.64E-04	4.74E-04	4.73E-04
3202	487363.09, 3846877.25	0.01599	4.71E-04	4.81E-04	4.80E-04
3203	487863.09, 3846877.25	0.01569	4.62E-04	4.72E-04	4.71E-04
3204	488363.09, 3846877.25	0.01502	4.43E-04	4.52E-04	4.51E-04
3205	488863.09, 3846877.25	0.01481	4.36E-04	4.45E-04	4.45E-04
3206	489363.09, 3846877.25	0.01455	4.29E-04	4.37E-04	4.37E-04
3207	489863.09, 3846877.25	0.01365	4.02E-04	4.10E-04	4.10E-04
3208	490363.09, 3846877.25	0.01142	3.37E-04	3.43E-04	3.43E-04
3209	490863.09, 3846877.25	0.01076	3.17E-04	3.24E-04	3.23E-04
3210	491363.09, 3846877.25	0.01058	3.12E-04	3.18E-04	3.18E-04
3211	491863.09, 3846877.25	0.00979	2.88E-04	2.94E-04	2.94E-04
3212	492363.09, 3846877.25	0.01123	3.31E-04	3.38E-04	3.37E-04
3213	492863.09, 3846877.25	0.01122	3.31E-04	3.37E-04	3.37E-04
3214	493363.09, 3846877.25	0.01159	3.42E-04	3.48E-04	3.48E-04
3215	493863.09, 3846877.25	0.01173	3.46E-04	3.53E-04	3.52E-04
3216	494363.09, 3846877.25	0.01165	3.43E-04	3.50E-04	3.50E-04
3217	494863.09, 3846877.25	0.01169	3.44E-04	3.51E-04	3.51E-04
3218	495363.09, 3846877.25	0.01168	3.44E-04	3.51E-04	3.51E-04
3219	495863.09, 3846877.25	0.01167	3.44E-04	3.51E-04	3.50E-04
3220	496363.09, 3846877.25	0.01172	3.45E-04	3.52E-04	3.52E-04
3221	496863.09, 3846877.25	0.01194	3.52E-04	3.59E-04	3.59E-04
3222	497363.09, 3846877.25	0.01232	3.63E-04	3.70E-04	3.70E-04
3223	497863.09, 3846877.25	0.01251	3.69E-04	3.76E-04	3.76E-04
3224	498363.09, 3846877.25	0.01216	3.58E-04	3.66E-04	3.65E-04
3225	471363.09, 3847377.25	0.02878	8.48E-04	8.65E-04	8.64E-04
3226	471863.09, 3847377.25	0.03298	9.72E-04	9.92E-04	9.90E-04
3227	472363.09, 3847377.25	0.03963	1.17E-03	1.19E-03	1.19E-03
3228	472863.09, 3847377.25	0.05005	1.47E-03	1.50E-03	1.50E-03
3229	473363.09, 3847377.25	0.03436	1.01E-03	1.03E-03	1.03E-03

3230	473863.09, 3847377.25	0.03483	1.03E-03	1.05E-03	1.05E-03
3231	474363.09, 3847377.25	0.04012	1.18E-03	1.21E-03	1.20E-03
3232	474863.09, 3847377.25	0.04291	1.26E-03	1.29E-03	1.29E-03
3233	475363.09, 3847377.25	0.04761	1.40E-03	1.43E-03	1.43E-03
3234	475863.09, 3847377.25	0.06393	1.88E-03	1.92E-03	1.92E-03
3235	476363.09, 3847377.25	0.07624	2.25E-03	2.29E-03	2.29E-03
3236	476863.09, 3847377.25	0.07128	2.10E-03	2.14E-03	2.14E-03
3237	477363.09, 3847377.25	0.06823	2.01E-03	2.05E-03	2.05E-03
3238	477863.09, 3847377.25	0.0626	1.84E-03	1.88E-03	1.88E-03
3239	478363.09, 3847377.25	0.0593	1.75E-03	1.78E-03	1.78E-03
3240	478863.09, 3847377.25	0.05724	1.69E-03	1.72E-03	1.72E-03
3241	479363.09, 3847377.25	0.04759	1.40E-03	1.43E-03	1.43E-03
3242	479863.09, 3847377.25	0.037	1.09E-03	1.11E-03	1.11E-03
3243	480363.09, 3847377.25	0.02781	8.19E-04	8.36E-04	8.35E-04
3244	480863.09, 3847377.25	0.02501	7.37E-04	7.52E-04	7.51E-04
3245	481363.09, 3847377.25	0.02733	8.05E-04	8.22E-04	8.21E-04
3246	481863.09, 3847377.25	0.03276	9.65E-04	9.85E-04	9.84E-04
3247	482363.09, 3847377.25	0.03135	9.24E-04	9.43E-04	9.42E-04
3248	482863.09, 3847377.25	0.0291	8.57E-04	8.75E-04	8.74E-04
3249	483363.09, 3847377.25	0.02698	7.95E-04	8.11E-04	8.10E-04
3250	483863.09, 3847377.25	0.02623	7.73E-04	7.89E-04	7.88E-04
3251	484363.09, 3847377.25	0.02699	7.95E-04	8.12E-04	8.11E-04
3252	484863.09, 3847377.25	0.02564	7.56E-04	7.71E-04	7.70E-04
3253	485363.09, 3847377.25	0.02494	7.35E-04	7.50E-04	7.49E-04
3254	485863.09, 3847377.25	0.02482	7.31E-04	7.46E-04	7.45E-04
3255	486363.09, 3847377.25	0.02457	7.24E-04	7.39E-04	7.38E-04
3256	486863.09, 3847377.25	0.02178	6.42E-04	6.55E-04	6.54E-04
3257	487363.09, 3847377.25	0.02165	6.38E-04	6.51E-04	6.50E-04
3258	487863.09, 3847377.25	0.0197	5.80E-04	5.92E-04	5.92E-04
3259	488363.09, 3847377.25	0.01884	5.55E-04	5.66E-04	5.66E-04
3260	488863.09, 3847377.25	0.01831	5.40E-04	5.51E-04	5.50E-04
3261	489363.09, 3847377.25	0.01783	5.25E-04	5.36E-04	5.35E-04
3262	489863.09, 3847377.25	0.01618	4.77E-04	4.87E-04	4.86E-04
3263	490363.09, 3847377.25	0.01466	4.32E-04	4.41E-04	4.40E-04
3264	490863.09, 3847377.25	0.01416	4.17E-04	4.26E-04	4.25E-04
3265	491363.09, 3847377.25	0.01347	3.97E-04	4.05E-04	4.05E-04
3266	491863.09, 3847377.25	0.01405	4.14E-04	4.22E-04	4.22E-04
3267	492363.09, 3847377.25	0.01338	3.94E-04	4.02E-04	4.02E-04
3268	492863.09, 3847377.25	0.01351	3.98E-04	4.06E-04	4.06E-04
3269	493363.09, 3847377.25	0.01339	3.95E-04	4.03E-04	4.02E-04
3270	493863.09, 3847377.25	0.01279	3.77E-04	3.85E-04	3.84E-04
3271	494363.09, 3847377.25	0.01229	3.62E-04	3.70E-04	3.69E-04
3272	494863.09, 3847377.25	0.01206	3.55E-04	3.63E-04	3.62E-04
3273	495363.09, 3847377.25	0.01184	3.49E-04	3.56E-04	3.56E-04
3274	495863.09, 3847377.25	0.01183	3.49E-04	3.56E-04	3.55E-04
3275	496363.09, 3847377.25	0.01174	3.46E-04	3.53E-04	3.53E-04
3276	496863.09, 3847377.25	0.01209	3.56E-04	3.64E-04	3.63E-04
3277	497363.09, 3847377.25	0.0127	3.74E-04	3.82E-04	3.81E-04
3278	497863.09, 3847377.25	0.01347	3.97E-04	4.05E-04	4.05E-04
3279	498363.09, 3847377.25	0.01334	3.93E-04	4.01E-04	4.01E-04
3280	471363.09, 3847877.25	0.03444	1.01E-03	1.04E-03	1.03E-03
3281	471863.09, 3847877.25	0.04089	1.20E-03	1.23E-03	1.23E-03
3282	472363.09, 3847877.25	0.05001	1.47E-03	1.50E-03	1.50E-03
3283	472863.09, 3847877.25	0.06659	1.96E-03	2.00E-03	2.00E-03
3284	473363.09, 3847877.25	0.10884	3.21E-03	3.27E-03	3.27E-03
3285	473863.09, 3847877.25	0.66865	1.97E-02	2.01E-02	2.01E-02
3286	474363.09, 3847877.25	0.29534	8.70E-03	8.88E-03	8.87E-03
3287	474863.09, 3847877.25	0.24266	7.15E-03	7.30E-03	7.29E-03
3288	475363.09, 3847877.25	0.16773	4.94E-03	5.04E-03	5.04E-03
3289	475863.09, 3847877.25	0.13135	3.87E-03	3.95E-03	3.94E-03
3290	476363.09, 3847877.25	0.14861	4.38E-03	4.47E-03	4.46E-03

3291	476863.09, 3847877.25	0.13427	3.96E-03	4.04E-03	4.03E-03
3292	477363.09, 3847877.25	0.11985	3.53E-03	3.60E-03	3.60E-03
3293	477863.09, 3847877.25	0.10743	3.17E-03	3.23E-03	3.23E-03
3294	478363.09, 3847877.25	0.09605	2.83E-03	2.89E-03	2.88E-03
3295	478863.09, 3847877.25	0.08794	2.59E-03	2.64E-03	2.64E-03
3296	479363.09, 3847877.25	0.06519	1.92E-03	1.96E-03	1.96E-03
3297	479863.09, 3847877.25	0.04185	1.23E-03	1.26E-03	1.26E-03
3298	480363.09, 3847877.25	0.04268	1.26E-03	1.28E-03	1.28E-03
3299	480863.09, 3847877.25	0.03756	1.11E-03	1.13E-03	1.13E-03
3300	481363.09, 3847877.25	0.03702	1.09E-03	1.11E-03	1.11E-03
3301	481863.09, 3847877.25	0.0463	1.36E-03	1.39E-03	1.39E-03
3302	482363.09, 3847877.25	0.04297	1.27E-03	1.29E-03	1.29E-03
3303	482863.09, 3847877.25	0.03883	1.14E-03	1.17E-03	1.17E-03
3304	483363.09, 3847877.25	0.03614	1.06E-03	1.09E-03	1.09E-03
3305	483863.09, 3847877.25	0.03503	1.03E-03	1.05E-03	1.05E-03
3306	484363.09, 3847877.25	0.03523	1.04E-03	1.06E-03	1.06E-03
3307	484863.09, 3847877.25	0.03379	9.96E-04	1.02E-03	1.01E-03
3308	485363.09, 3847877.25	0.03337	9.83E-04	1.00E-03	1.00E-03
3309	485863.09, 3847877.25	0.03291	9.70E-04	9.90E-04	9.88E-04
3310	486363.09, 3847877.25	0.03026	8.92E-04	9.10E-04	9.09E-04
3311	486863.09, 3847877.25	0.02816	8.30E-04	8.47E-04	8.46E-04
3312	487363.09, 3847877.25	0.02665	7.85E-04	8.01E-04	8.00E-04
3313	487863.09, 3847877.25	0.02445	7.20E-04	7.35E-04	7.34E-04
3314	488363.09, 3847877.25	0.0232	6.84E-04	6.98E-04	6.97E-04
3315	488863.09, 3847877.25	0.02245	6.62E-04	6.75E-04	6.74E-04
3316	489363.09, 3847877.25	0.02173	6.40E-04	6.53E-04	6.53E-04
3317	489863.09, 3847877.25	0.02183	6.43E-04	6.56E-04	6.56E-04
3318	490363.09, 3847877.25	0.02077	6.12E-04	6.25E-04	6.24E-04
3319	490863.09, 3847877.25	0.01933	5.70E-04	5.81E-04	5.81E-04
3320	491363.09, 3847877.25	0.0173	5.10E-04	5.20E-04	5.20E-04
3321	491863.09, 3847877.25	0.01664	4.90E-04	5.00E-04	5.00E-04
3322	492363.09, 3847877.25	0.01623	4.78E-04	4.88E-04	4.87E-04
3323	492863.09, 3847877.25	0.01559	4.59E-04	4.69E-04	4.68E-04
3324	493363.09, 3847877.25	0.0141	4.15E-04	4.24E-04	4.23E-04
3325	493863.09, 3847877.25	0.0131	3.86E-04	3.94E-04	3.93E-04
3326	494363.09, 3847877.25	0.01258	3.71E-04	3.78E-04	3.78E-04
3327	494863.09, 3847877.25	0.0123	3.62E-04	3.70E-04	3.69E-04
3328	495363.09, 3847877.25	0.01168	3.44E-04	3.51E-04	3.51E-04
3329	495863.09, 3847877.25	0.00985	2.90E-04	2.96E-04	2.96E-04
3330	496363.09, 3847877.25	0.01153	3.40E-04	3.47E-04	3.46E-04
3331	496863.09, 3847877.25	0.01186	3.49E-04	3.57E-04	3.56E-04
3332	497363.09, 3847877.25	0.0125	3.68E-04	3.76E-04	3.75E-04
3333	497863.09, 3847877.25	0.01422	4.19E-04	4.28E-04	4.27E-04
3334	498363.09, 3847877.25	0.01447	4.26E-04	4.35E-04	4.35E-04
3335	471363.09, 3848377.25	0.03667	1.08E-03	1.10E-03	1.10E-03
3336	471863.09, 3848377.25	0.04461	1.31E-03	1.34E-03	1.34E-03
3337	472363.09, 3848377.25	0.05671	1.67E-03	1.71E-03	1.70E-03
3338	472863.09, 3848377.25	0.0771	2.27E-03	2.32E-03	2.32E-03
3339	473363.09, 3848377.25	0.11574	3.41E-03	3.48E-03	3.48E-03
3340	473863.09, 3848377.25	0.21293	6.27E-03	6.40E-03	6.39E-03
3341	474363.09, 3848377.25	0.77108	2.27E-02	2.32E-02	2.32E-02
3342	474863.09, 3848377.25	0.71615	2.11E-02	2.15E-02	2.15E-02
3343	475363.09, 3848377.25	0.49031	1.44E-02	1.47E-02	1.47E-02
3344	475863.09, 3848377.25	0.29819	8.79E-03	8.97E-03	8.96E-03
3345	476363.09, 3848377.25	0.20763	6.12E-03	6.24E-03	6.24E-03
3346	476863.09, 3848377.25	0.22275	6.56E-03	6.70E-03	6.69E-03
3347	477363.09, 3848377.25	0.19196	5.66E-03	5.77E-03	5.77E-03
3348	477863.09, 3848377.25	0.17311	5.10E-03	5.21E-03	5.20E-03
3349	478363.09, 3848377.25	0.15221	4.49E-03	4.58E-03	4.57E-03
3350	478863.09, 3848377.25	0.12919	3.81E-03	3.88E-03	3.88E-03
3351	479363.09, 3848377.25	0.09667	2.85E-03	2.91E-03	2.90E-03

3352	479863.09, 3848377.25	0.04108	1.21E-03	1.24E-03	1.23E-03
3353	480363.09, 3848377.25	0.05428	1.60E-03	1.63E-03	1.63E-03
3354	480863.09, 3848377.25	0.06696	1.97E-03	2.01E-03	2.01E-03
3355	481363.09, 3848377.25	0.06388	1.88E-03	1.92E-03	1.92E-03
3356	481863.09, 3848377.25	0.06265	1.85E-03	1.88E-03	1.88E-03
3357	482363.09, 3848377.25	0.0597	1.76E-03	1.80E-03	1.79E-03
3358	482863.09, 3848377.25	0.05246	1.55E-03	1.58E-03	1.58E-03
3359	483363.09, 3848377.25	0.049	1.44E-03	1.47E-03	1.47E-03
3360	483863.09, 3848377.25	0.04435	1.31E-03	1.33E-03	1.33E-03
3361	484363.09, 3848377.25	0.04309	1.27E-03	1.30E-03	1.29E-03
3362	484863.09, 3848377.25	0.04417	1.30E-03	1.33E-03	1.33E-03
3363	485363.09, 3848377.25	0.04227	1.25E-03	1.27E-03	1.27E-03
3364	485863.09, 3848377.25	0.04075	1.20E-03	1.23E-03	1.22E-03
3365	486363.09, 3848377.25	0.03806	1.12E-03	1.14E-03	1.14E-03
3366	486863.09, 3848377.25	0.03495	1.03E-03	1.05E-03	1.05E-03
3367	487363.09, 3848377.25	0.03129	9.22E-04	9.41E-04	9.40E-04
3368	487863.09, 3848377.25	0.02987	8.80E-04	8.98E-04	8.97E-04
3369	488363.09, 3848377.25	0.02831	8.34E-04	8.51E-04	8.50E-04
3370	488863.09, 3848377.25	0.0271	7.99E-04	8.15E-04	8.14E-04
3371	489363.09, 3848377.25	0.02632	7.76E-04	7.91E-04	7.90E-04
3372	489863.09, 3848377.25	0.02638	7.77E-04	7.93E-04	7.92E-04
3373	490363.09, 3848377.25	0.02487	7.33E-04	7.48E-04	7.47E-04
3374	490863.09, 3848377.25	0.02264	6.67E-04	6.81E-04	6.80E-04
3375	491363.09, 3848377.25	0.02087	6.15E-04	6.28E-04	6.27E-04
3376	491863.09, 3848377.25	0.01956	5.76E-04	5.88E-04	5.87E-04
3377	492363.09, 3848377.25	0.01743	5.14E-04	5.24E-04	5.23E-04
3378	492863.09, 3848377.25	0.0153	4.51E-04	4.60E-04	4.59E-04
3379	493363.09, 3848377.25	0.01422	4.19E-04	4.28E-04	4.27E-04
3380	493863.09, 3848377.25	0.01326	3.91E-04	3.99E-04	3.98E-04
3381	494363.09, 3848377.25	0.0124	3.65E-04	3.73E-04	3.72E-04
3382	494863.09, 3848377.25	0.01222	3.60E-04	3.67E-04	3.67E-04
3383	495363.09, 3848377.25	0.01082	3.19E-04	3.25E-04	3.25E-04
3384	495863.09, 3848377.25	0.01039	3.06E-04	3.12E-04	3.12E-04
3385	496363.09, 3848377.25	0.01098	3.24E-04	3.30E-04	3.30E-04
3386	496863.09, 3848377.25	0.01038	3.06E-04	3.12E-04	3.12E-04
3387	497363.09, 3848377.25	0.01152	3.39E-04	3.46E-04	3.46E-04
3388	497863.09, 3848377.25	0.01539	4.53E-04	4.63E-04	4.62E-04
3389	498363.09, 3848377.25	0.01528	4.50E-04	4.59E-04	4.59E-04
3390	471363.09, 3848877.25	0.037	1.09E-03	1.11E-03	1.11E-03
3391	471863.09, 3848877.25	0.04504	1.33E-03	1.35E-03	1.35E-03
3392	472363.09, 3848877.25	0.05616	1.65E-03	1.69E-03	1.69E-03
3393	472863.09, 3848877.25	0.07255	2.14E-03	2.18E-03	2.18E-03
3394	473363.09, 3848877.25	0.09912	2.92E-03	2.98E-03	2.98E-03
3395	473863.09, 3848877.25	0.14503	4.27E-03	4.36E-03	4.36E-03
3396	474363.09, 3848877.25	0.23033	6.79E-03	6.93E-03	6.92E-03
3397	474863.09, 3848877.25	0.65326	1.92E-02	1.96E-02	1.96E-02
3398	475363.09, 3848877.25	1.28778	3.79E-02	3.87E-02	3.87E-02
3399	475863.09, 3848877.25	0.71252	2.10E-02	2.14E-02	2.14E-02
3400	476363.09, 3848877.25	0.49475	1.46E-02	1.49E-02	1.49E-02
3401	476863.09, 3848877.25	0.37564	1.11E-02	1.13E-02	1.13E-02
3402	477363.09, 3848877.25	0.37423	1.10E-02	1.13E-02	1.12E-02
3403	477863.09, 3848877.25	0.30334	8.94E-03	9.12E-03	9.11E-03
3404	478363.09, 3848877.25	0.2571	7.58E-03	7.73E-03	7.72E-03
3405	478863.09, 3848877.25	0.20851	6.14E-03	6.27E-03	6.26E-03
3406	479363.09, 3848877.25	0.16194	4.77E-03	4.87E-03	4.86E-03
3407	479863.09, 3848877.25	0.12442	3.67E-03	3.74E-03	3.74E-03
3408	480363.09, 3848877.25	0.11624	3.43E-03	3.50E-03	3.49E-03
3409	480863.09, 3848877.25	0.10901	3.21E-03	3.28E-03	3.27E-03
3410	481363.09, 3848877.25	0.09671	2.85E-03	2.91E-03	2.90E-03
3411	481863.09, 3848877.25	0.08223	2.42E-03	2.47E-03	2.47E-03
3412	482363.09, 3848877.25	0.06816	2.01E-03	2.05E-03	2.05E-03

3413	482863.09, 3848877.25	0.05747	1.69E-03	1.73E-03	1.73E-03
3414	483363.09, 3848877.25	0.04986	1.47E-03	1.50E-03	1.50E-03
3415	483863.09, 3848877.25	0.04712	1.39E-03	1.42E-03	1.42E-03
3416	484363.09, 3848877.25	0.05208	1.53E-03	1.57E-03	1.56E-03
3417	484863.09, 3848877.25	0.05585	1.65E-03	1.68E-03	1.68E-03
3418	485363.09, 3848877.25	0.05272	1.55E-03	1.59E-03	1.58E-03
3419	485863.09, 3848877.25	0.04984	1.47E-03	1.50E-03	1.50E-03
3420	486363.09, 3848877.25	0.04514	1.33E-03	1.36E-03	1.36E-03
3421	486863.09, 3848877.25	0.0403	1.19E-03	1.21E-03	1.21E-03
3422	487363.09, 3848877.25	0.03877	1.14E-03	1.17E-03	1.16E-03
3423	487863.09, 3848877.25	0.03606	1.06E-03	1.08E-03	1.08E-03
3424	488363.09, 3848877.25	0.03432	1.01E-03	1.03E-03	1.03E-03
3425	488863.09, 3848877.25	0.03224	9.50E-04	9.69E-04	9.68E-04
3426	489363.09, 3848877.25	0.0313	9.22E-04	9.41E-04	9.40E-04
3427	489863.09, 3848877.25	0.03043	8.97E-04	9.15E-04	9.14E-04
3428	490363.09, 3848877.25	0.02773	8.17E-04	8.34E-04	8.33E-04
3429	490863.09, 3848877.25	0.02513	7.40E-04	7.56E-04	7.55E-04
3430	491363.09, 3848877.25	0.0234	6.90E-04	7.04E-04	7.03E-04
3431	491863.09, 3848877.25	0.02057	6.06E-04	6.18E-04	6.18E-04
3432	492363.09, 3848877.25	0.01789	5.27E-04	5.38E-04	5.37E-04
3433	492863.09, 3848877.25	0.01516	4.47E-04	4.56E-04	4.55E-04
3434	493363.09, 3848877.25	0.01278	3.77E-04	3.84E-04	3.84E-04
3435	493863.09, 3848877.25	0.01261	3.72E-04	3.79E-04	3.79E-04
3436	494363.09, 3848877.25	0.01201	3.54E-04	3.61E-04	3.61E-04
3437	494863.09, 3848877.25	0.01213	3.57E-04	3.65E-04	3.64E-04
3438	495363.09, 3848877.25	0.01196	3.52E-04	3.60E-04	3.59E-04
3439	495863.09, 3848877.25	0.01037	3.06E-04	3.12E-04	3.11E-04
3440	496363.09, 3848877.25	0.01024	3.02E-04	3.08E-04	3.08E-04
3441	496863.09, 3848877.25	0.01138	3.35E-04	3.42E-04	3.42E-04
3442	497363.09, 3848877.25	0.01442	4.25E-04	4.34E-04	4.33E-04
3443	497863.09, 3848877.25	0.01545	4.55E-04	4.65E-04	4.64E-04
3444	498363.09, 3848877.25	0.01601	4.72E-04	4.81E-04	4.81E-04
3445	471363.09, 3849377.25	0.03592	1.06E-03	1.08E-03	1.08E-03
3446	471863.09, 3849377.25	0.04334	1.28E-03	1.30E-03	1.30E-03
3447	472363.09, 3849377.25	0.05215	1.54E-03	1.57E-03	1.57E-03
3448	472863.09, 3849377.25	0.06467	1.91E-03	1.94E-03	1.94E-03
3449	473363.09, 3849377.25	0.08292	2.44E-03	2.49E-03	2.49E-03
3450	473863.09, 3849377.25	0.10851	3.20E-03	3.26E-03	3.26E-03
3451	474363.09, 3849377.25	0.14606	4.30E-03	4.39E-03	4.39E-03
3452	474863.09, 3849377.25	0.20916	6.16E-03	6.29E-03	6.28E-03
3453	475363.09, 3849377.25	0.3473	1.02E-02	1.04E-02	1.04E-02
3454	475863.09, 3849377.25	0.6019	1.77E-02	1.81E-02	1.81E-02
3455	476363.09, 3849377.25	1.11806	3.29E-02	3.36E-02	3.36E-02
3456	476863.09, 3849377.25	2.47839	7.30E-02	7.45E-02	7.44E-02
3457	477363.09, 3849377.25	0.89283	2.63E-02	2.68E-02	2.68E-02
3458	477863.09, 3849377.25	0.57422	1.69E-02	1.73E-02	1.72E-02
3459	478363.09, 3849377.25	0.43294	1.28E-02	1.30E-02	1.30E-02
3460	478863.09, 3849377.25	0.32207	9.49E-03	9.68E-03	9.67E-03
3461	479363.09, 3849377.25	0.25722	7.58E-03	7.73E-03	7.72E-03
3462	479863.09, 3849377.25	0.19009	5.60E-03	5.72E-03	5.71E-03
3463	480363.09, 3849377.25	0.18386	5.42E-03	5.53E-03	5.52E-03
3464	480863.09, 3849377.25	0.15605	4.60E-03	4.69E-03	4.69E-03
3465	481363.09, 3849377.25	0.12435	3.66E-03	3.74E-03	3.73E-03
3466	481863.09, 3849377.25	0.09184	2.71E-03	2.76E-03	2.76E-03
3467	482363.09, 3849377.25	0.07786	2.29E-03	2.34E-03	2.34E-03
3468	482863.09, 3849377.25	0.06323	1.86E-03	1.90E-03	1.90E-03
3469	483363.09, 3849377.25	0.05563	1.64E-03	1.67E-03	1.67E-03
3470	483863.09, 3849377.25	0.04604	1.36E-03	1.38E-03	1.38E-03
3471	484363.09, 3849377.25	0.06153	1.81E-03	1.85E-03	1.85E-03
3472	484863.09, 3849377.25	0.06778	2.00E-03	2.04E-03	2.04E-03
3473	485363.09, 3849377.25	0.06402	1.89E-03	1.92E-03	1.92E-03

3474	485863.09, 3849377.25	0.05167	1.52E-03	1.55E-03	1.55E-03
3475	486363.09, 3849377.25	0.0422	1.24E-03	1.27E-03	1.27E-03
3476	486863.09, 3849377.25	0.04676	1.38E-03	1.41E-03	1.40E-03
3477	487363.09, 3849377.25	0.04584	1.35E-03	1.38E-03	1.38E-03
3478	487863.09, 3849377.25	0.04281	1.26E-03	1.29E-03	1.29E-03
3479	488363.09, 3849377.25	0.04027	1.19E-03	1.21E-03	1.21E-03
3480	488863.09, 3849377.25	0.03832	1.13E-03	1.15E-03	1.15E-03
3481	489363.09, 3849377.25	0.03646	1.07E-03	1.10E-03	1.09E-03
3482	489863.09, 3849377.25	0.03407	1.00E-03	1.02E-03	1.02E-03
3483	490363.09, 3849377.25	0.03062	9.02E-04	9.21E-04	9.20E-04
3484	490863.09, 3849377.25	0.02793	8.23E-04	8.40E-04	8.39E-04
3485	491363.09, 3849377.25	0.02565	7.56E-04	7.71E-04	7.70E-04
3486	491863.09, 3849377.25	0.02235	6.59E-04	6.72E-04	6.71E-04
3487	492363.09, 3849377.25	0.0194	5.72E-04	5.83E-04	5.83E-04
3488	492863.09, 3849377.25	0.01565	4.61E-04	4.71E-04	4.70E-04
3489	493363.09, 3849377.25	0.01404	4.14E-04	4.22E-04	4.22E-04
3490	493863.09, 3849377.25	0.01308	3.85E-04	3.93E-04	3.93E-04
3491	494363.09, 3849377.25	0.01304	3.84E-04	3.92E-04	3.92E-04
3492	494863.09, 3849377.25	0.01471	4.33E-04	4.42E-04	4.42E-04
3493	495363.09, 3849377.25	0.01484	4.37E-04	4.46E-04	4.46E-04
3494	495863.09, 3849377.25	0.01068	3.15E-04	3.21E-04	3.21E-04
3495	496363.09, 3849377.25	0.00988	2.91E-04	2.97E-04	2.97E-04
3496	496863.09, 3849377.25	0.01363	4.02E-04	4.10E-04	4.09E-04
3497	497363.09, 3849377.25	0.01444	4.25E-04	4.34E-04	4.34E-04
3498	497863.09, 3849377.25	0.01815	5.35E-04	5.46E-04	5.45E-04
3499	498363.09, 3849377.25	0.01687	4.97E-04	5.07E-04	5.07E-04
3500	471363.09, 3849877.25	0.02816	8.30E-04	8.47E-04	8.46E-04
3501	471863.09, 3849877.25	0.03816	1.12E-03	1.15E-03	1.15E-03
3502	472363.09, 3849877.25	0.04755	1.40E-03	1.43E-03	1.43E-03
3503	472863.09, 3849877.25	0.05742	1.69E-03	1.73E-03	1.72E-03
3504	473363.09, 3849877.25	0.07005	2.06E-03	2.11E-03	2.10E-03
3505	473863.09, 3849877.25	0.08606	2.54E-03	2.59E-03	2.58E-03
3506	474363.09, 3849877.25	0.10593	3.12E-03	3.19E-03	3.18E-03
3507	474863.09, 3849877.25	0.13117	3.87E-03	3.94E-03	3.94E-03
3508	475363.09, 3849877.25	0.16492	4.86E-03	4.96E-03	4.95E-03
3509	475863.09, 3849877.25	0.20954	6.17E-03	6.30E-03	6.29E-03
3510	476363.09, 3849877.25	0.27371	8.07E-03	8.23E-03	8.22E-03
3511	476863.09, 3849877.25	0.38814	1.14E-02	1.17E-02	1.17E-02
3512	477363.09, 3849877.25	0.7303	2.15E-02	2.20E-02	2.19E-02
3513	477863.09, 3849877.25	2.69511	7.94E-02	8.10E-02	8.09E-02
3514	478363.09, 3849877.25	0.97353	2.87E-02	2.93E-02	2.92E-02
3515	478863.09, 3849877.25	0.62898	1.85E-02	1.89E-02	1.89E-02
3516	479363.09, 3849877.25	0.43725	1.29E-02	1.31E-02	1.31E-02
3517	479863.09, 3849877.25	0.34899	1.03E-02	1.05E-02	1.05E-02
3518	480363.09, 3849877.25	0.25563	7.53E-03	7.69E-03	7.68E-03
3519	480863.09, 3849877.25	0.19751	5.82E-03	5.94E-03	5.93E-03
3520	481363.09, 3849877.25	0.16241	4.79E-03	4.88E-03	4.88E-03
3521	481863.09, 3849877.25	0.11031	3.25E-03	3.32E-03	3.31E-03
3522	482363.09, 3849877.25	0.08842	2.61E-03	2.66E-03	2.66E-03
3523	482863.09, 3849877.25	0.0737	2.17E-03	2.22E-03	2.21E-03
3524	483363.09, 3849877.25	0.06135	1.81E-03	1.84E-03	1.84E-03
3525	483863.09, 3849877.25	0.0579	1.71E-03	1.74E-03	1.74E-03
3526	484363.09, 3849877.25	0.07159	2.11E-03	2.15E-03	2.15E-03
3527	484863.09, 3849877.25	0.08274	2.44E-03	2.49E-03	2.48E-03
3528	485363.09, 3849877.25	0.07443	2.19E-03	2.24E-03	2.24E-03
3529	485863.09, 3849877.25	0.06324	1.86E-03	1.90E-03	1.90E-03
3530	486363.09, 3849877.25	0.05676	1.67E-03	1.71E-03	1.70E-03
3531	486863.09, 3849877.25	0.05759	1.70E-03	1.73E-03	1.73E-03
3532	487363.09, 3849877.25	0.05425	1.60E-03	1.63E-03	1.63E-03
3533	487863.09, 3849877.25	0.05026	1.48E-03	1.51E-03	1.51E-03
3534	488363.09, 3849877.25	0.04704	1.39E-03	1.41E-03	1.41E-03

3535 488863.09, 3849877.25	0.04433	1.31E-03	1.33E-03	1.33E-03
3536 489363.09, 3849877.25	0.04129	1.22E-03	1.24E-03	1.24E-03
3537 489863.09, 3849877.25	0.03771	1.11E-03	1.13E-03	1.13E-03
3538 490363.09, 3849877.25	0.03387	9.98E-04	1.02E-03	1.02E-03
3539 490863.09, 3849877.25	0.03105	9.15E-04	9.34E-04	9.33E-04
3540 491363.09, 3849877.25	0.0283	8.34E-04	8.51E-04	8.50E-04
3541 491863.09, 3849877.25	0.0247	7.28E-04	7.43E-04	7.42E-04
3542 492363.09, 3849877.25	0.02169	6.39E-04	6.52E-04	6.51E-04
3543 492863.09, 3849877.25	0.01827	5.38E-04	5.49E-04	5.49E-04
3544 493363.09, 3849877.25	0.01542	4.54E-04	4.64E-04	4.63E-04
3545 493863.09, 3849877.25	0.01368	4.03E-04	4.11E-04	4.11E-04
3546 494363.09, 3849877.25	0.01635	4.82E-04	4.92E-04	4.91E-04
3547 494863.09, 3849877.25	0.01782	5.25E-04	5.36E-04	5.35E-04
3548 495363.09, 3849877.25	0.01449	4.27E-04	4.36E-04	4.35E-04
3549 495863.09, 3849877.25	0.01622	4.78E-04	4.88E-04	4.87E-04
3550 496363.09, 3849877.25	0.01634	4.81E-04	4.91E-04	4.91E-04
3551 496863.09, 3849877.25	0.0162	4.77E-04	4.87E-04	4.87E-04
3552 497363.09, 3849877.25	0.01858	5.47E-04	5.59E-04	5.58E-04
3553 497863.09, 3849877.25	0.01886	5.56E-04	5.67E-04	5.66E-04
3554 498363.09, 3849877.25	0.01753	5.17E-04	5.27E-04	5.26E-04
3555 471363.09, 3850377.25	0.01485	4.38E-04	4.47E-04	4.46E-04
3556 471863.09, 3850377.25	0.02821	8.31E-04	8.48E-04	8.47E-04
3557 472363.09, 3850377.25	0.03761	1.11E-03	1.13E-03	1.13E-03
3558 472863.09, 3850377.25	0.05047	1.49E-03	1.52E-03	1.52E-03
3559 473363.09, 3850377.25	0.05965	1.76E-03	1.79E-03	1.79E-03
3560 473863.09, 3850377.25	0.07026	2.07E-03	2.11E-03	2.11E-03
3561 474363.09, 3850377.25	0.08158	2.40E-03	2.45E-03	2.45E-03
3562 474863.09, 3850377.25	0.09545	2.81E-03	2.87E-03	2.87E-03
3563 475363.09, 3850377.25	0.11144	3.28E-03	3.35E-03	3.35E-03
3564 475863.09, 3850377.25	0.13241	3.90E-03	3.98E-03	3.98E-03
3565 476363.09, 3850377.25	0.16148	4.76E-03	4.86E-03	4.85E-03
3566 476863.09, 3850377.25	0.2002	5.90E-03	6.02E-03	6.01E-03
3567 477363.09, 3850377.25	0.25496	7.51E-03	7.67E-03	7.66E-03
3568 477863.09, 3850377.25	0.36752	1.08E-02	1.11E-02	1.10E-02
3569 478363.09, 3850377.25	0.72463	2.14E-02	2.18E-02	2.18E-02
3570 478863.09, 3850377.25	2.96374	8.73E-02	8.91E-02	8.90E-02
3571 479363.09, 3850377.25	1.02354	3.02E-02	3.08E-02	3.07E-02
3572 479863.09, 3850377.25	0.61174	1.80E-02	1.84E-02	1.84E-02
3573 480363.09, 3850377.25	0.42598	1.26E-02	1.28E-02	1.28E-02
3574 480863.09, 3850377.25	0.34013	1.00E-02	1.02E-02	1.02E-02
3575 481363.09, 3850377.25	0.21396	6.30E-03	6.43E-03	6.43E-03
3576 481863.09, 3850377.25	0.18056	5.32E-03	5.43E-03	5.42E-03
3577 482363.09, 3850377.25	0.15247	4.49E-03	4.58E-03	4.58E-03
3578 482863.09, 3850377.25	0.10942	3.22E-03	3.29E-03	3.29E-03
3579 483363.09, 3850377.25	0.08644	2.55E-03	2.60E-03	2.60E-03
3580 483863.09, 3850377.25	0.08675	2.56E-03	2.61E-03	2.61E-03
3581 484363.09, 3850377.25	0.09282	2.74E-03	2.79E-03	2.79E-03
3582 484863.09, 3850377.25	0.09709	2.86E-03	2.92E-03	2.92E-03
3583 485363.09, 3850377.25	0.08993	2.65E-03	2.70E-03	2.70E-03
3584 485863.09, 3850377.25	0.07909	2.33E-03	2.38E-03	2.38E-03
3585 486363.09, 3850377.25	0.07354	2.17E-03	2.21E-03	2.21E-03
3586 486863.09, 3850377.25	0.06862	2.02E-03	2.06E-03	2.06E-03
3587 487363.09, 3850377.25	0.06213	1.83E-03	1.87E-03	1.87E-03
3588 487863.09, 3850377.25	0.05797	1.71E-03	1.74E-03	1.74E-03
3589 488363.09, 3850377.25	0.05357	1.58E-03	1.61E-03	1.61E-03
3590 488863.09, 3850377.25	0.04974	1.47E-03	1.50E-03	1.49E-03
3591 489363.09, 3850377.25	0.04587	1.35E-03	1.38E-03	1.38E-03
3592 489863.09, 3850377.25	0.04133	1.22E-03	1.24E-03	1.24E-03
3593 490363.09, 3850377.25	0.03742	1.10E-03	1.13E-03	1.12E-03
3594 490863.09, 3850377.25	0.03414	1.01E-03	1.03E-03	1.03E-03
3595 491363.09, 3850377.25	0.03094	9.12E-04	9.30E-04	9.29E-04

3596	491863.09, 3850377.25	0.02688	7.92E-04	8.08E-04	8.07E-04
3597	492363.09, 3850377.25	0.02292	6.75E-04	6.89E-04	6.88E-04
3598	492863.09, 3850377.25	0.02029	5.98E-04	6.10E-04	6.09E-04
3599	493363.09, 3850377.25	0.01735	5.11E-04	5.22E-04	5.21E-04
3600	493863.09, 3850377.25	0.01794	5.29E-04	5.39E-04	5.39E-04
3601	494363.09, 3850377.25	0.0181	5.33E-04	5.44E-04	5.44E-04
3602	494863.09, 3850377.25	0.01922	5.66E-04	5.78E-04	5.77E-04
3603	495363.09, 3850377.25	0.02062	6.08E-04	6.20E-04	6.19E-04
3604	495863.09, 3850377.25	0.01852	5.46E-04	5.57E-04	5.56E-04
3605	496363.09, 3850377.25	0.01977	5.83E-04	5.94E-04	5.94E-04
3606	496863.09, 3850377.25	0.02065	6.08E-04	6.21E-04	6.20E-04
3607	497363.09, 3850377.25	0.02043	6.02E-04	6.14E-04	6.14E-04
3608	497863.09, 3850377.25	0.01941	5.72E-04	5.84E-04	5.83E-04
3609	498363.09, 3850377.25	0.01842	5.43E-04	5.54E-04	5.53E-04
3610	471363.09, 3850877.25	0.01821	5.37E-04	5.48E-04	5.47E-04
3611	471863.09, 3850877.25	0.02421	7.13E-04	7.28E-04	7.27E-04
3612	472363.09, 3850877.25	0.03342	9.85E-04	1.00E-03	1.00E-03
3613	472863.09, 3850877.25	0.04242	1.25E-03	1.28E-03	1.27E-03
3614	473363.09, 3850877.25	0.04557	1.34E-03	1.37E-03	1.37E-03
3615	473863.09, 3850877.25	0.05671	1.67E-03	1.71E-03	1.70E-03
3616	474363.09, 3850877.25	0.06641	1.96E-03	2.00E-03	1.99E-03
3617	474863.09, 3850877.25	0.07541	2.22E-03	2.27E-03	2.26E-03
3618	475363.09, 3850877.25	0.08561	2.52E-03	2.57E-03	2.57E-03
3619	475863.09, 3850877.25	0.09752	2.87E-03	2.93E-03	2.93E-03
3620	476363.09, 3850877.25	0.11309	3.33E-03	3.40E-03	3.40E-03
3621	476863.09, 3850877.25	0.13325	3.93E-03	4.01E-03	4.00E-03
3622	477363.09, 3850877.25	0.15894	4.68E-03	4.78E-03	4.77E-03
3623	477863.09, 3850877.25	0.19258	5.67E-03	5.79E-03	5.78E-03
3624	478363.09, 3850877.25	0.24985	7.36E-03	7.51E-03	7.50E-03
3625	478863.09, 3850877.25	0.35195	1.04E-02	1.06E-02	1.06E-02
3626	479363.09, 3850877.25	0.6397	1.88E-02	1.92E-02	1.92E-02
3627	479863.09, 3850877.25	3.69076	1.09E-01	1.11E-01	1.11E-01
3628	480363.09, 3850877.25	1.0648	3.14E-02	3.20E-02	3.20E-02
3629	480863.09, 3850877.25	0.62771	1.85E-02	1.89E-02	1.89E-02
3630	481363.09, 3850877.25	0.43178	1.27E-02	1.30E-02	1.30E-02
3631	481863.09, 3850877.25	0.30436	8.97E-03	9.15E-03	9.14E-03
3632	482363.09, 3850877.25	0.21208	6.25E-03	6.38E-03	6.37E-03
3633	482863.09, 3850877.25	0.16526	4.87E-03	4.97E-03	4.96E-03
3634	483363.09, 3850877.25	0.12736	3.75E-03	3.83E-03	3.82E-03
3635	483863.09, 3850877.25	0.11516	3.39E-03	3.46E-03	3.46E-03
3636	484363.09, 3850877.25	0.11778	3.47E-03	3.54E-03	3.54E-03
3637	484863.09, 3850877.25	0.10939	3.22E-03	3.29E-03	3.29E-03
3638	485363.09, 3850877.25	0.10348	3.05E-03	3.11E-03	3.11E-03
3639	485863.09, 3850877.25	0.08894	2.62E-03	2.67E-03	2.67E-03
3640	486363.09, 3850877.25	0.08491	2.50E-03	2.55E-03	2.55E-03
3641	486863.09, 3850877.25	0.07796	2.30E-03	2.34E-03	2.34E-03
3642	487363.09, 3850877.25	0.06984	2.06E-03	2.10E-03	2.10E-03
3643	487863.09, 3850877.25	0.06425	1.89E-03	1.93E-03	1.93E-03
3644	488363.09, 3850877.25	0.05933	1.75E-03	1.78E-03	1.78E-03
3645	488863.09, 3850877.25	0.05429	1.60E-03	1.63E-03	1.63E-03
3646	489363.09, 3850877.25	0.04987	1.47E-03	1.50E-03	1.50E-03
3647	489863.09, 3850877.25	0.04522	1.33E-03	1.36E-03	1.36E-03
3648	490363.09, 3850877.25	0.04144	1.22E-03	1.25E-03	1.24E-03
3649	490863.09, 3850877.25	0.03772	1.11E-03	1.13E-03	1.13E-03
3650	491363.09, 3850877.25	0.03354	9.88E-04	1.01E-03	1.01E-03
3651	491863.09, 3850877.25	0.02947	8.68E-04	8.86E-04	8.85E-04
3652	492363.09, 3850877.25	0.02593	7.64E-04	7.80E-04	7.79E-04
3653	492863.09, 3850877.25	0.02326	6.85E-04	6.99E-04	6.99E-04
3654	493363.09, 3850877.25	0.02158	6.36E-04	6.49E-04	6.48E-04
3655	493863.09, 3850877.25	0.02212	6.52E-04	6.65E-04	6.64E-04
3656	494363.09, 3850877.25	0.02149	6.33E-04	6.46E-04	6.45E-04

3657	494863.09, 3850877.25	0.02219	6.54E-04	6.67E-04	6.66E-04
3658	495363.09, 3850877.25	0.02292	6.75E-04	6.89E-04	6.88E-04
3659	495863.09, 3850877.25	0.02198	6.48E-04	6.61E-04	6.60E-04
3660	496363.09, 3850877.25	0.02178	6.42E-04	6.55E-04	6.54E-04
3661	496863.09, 3850877.25	0.02218	6.54E-04	6.67E-04	6.66E-04
3662	497363.09, 3850877.25	0.02123	6.26E-04	6.38E-04	6.38E-04
3663	497863.09, 3850877.25	0.01999	5.89E-04	6.01E-04	6.00E-04
3664	498363.09, 3850877.25	0.01879	5.54E-04	5.65E-04	5.64E-04
3665	471363.09, 3851377.25	0.01782	5.25E-04	5.36E-04	5.35E-04
3666	471863.09, 3851377.25	0.02602	7.67E-04	7.82E-04	7.81E-04
3667	472363.09, 3851377.25	0.02884	8.50E-04	8.67E-04	8.66E-04
3668	472863.09, 3851377.25	0.03213	9.47E-04	9.66E-04	9.65E-04
3669	473363.09, 3851377.25	0.03041	8.96E-04	9.14E-04	9.13E-04
3670	473863.09, 3851377.25	0.03621	1.07E-03	1.09E-03	1.09E-03
3671	474363.09, 3851377.25	0.05002	1.47E-03	1.50E-03	1.50E-03
3672	474863.09, 3851377.25	0.06086	1.79E-03	1.83E-03	1.83E-03
3673	475363.09, 3851377.25	0.06926	2.04E-03	2.08E-03	2.08E-03
3674	475863.09, 3851377.25	0.07759	2.29E-03	2.33E-03	2.33E-03
3675	476363.09, 3851377.25	0.08774	2.59E-03	2.64E-03	2.64E-03
3676	476863.09, 3851377.25	0.10034	2.96E-03	3.02E-03	3.01E-03
3677	477363.09, 3851377.25	0.11486	3.38E-03	3.45E-03	3.45E-03
3678	477863.09, 3851377.25	0.13365	3.94E-03	4.02E-03	4.01E-03
3679	478363.09, 3851377.25	0.15862	4.67E-03	4.77E-03	4.76E-03
3680	478863.09, 3851377.25	0.19274	5.68E-03	5.80E-03	5.79E-03
3681	479363.09, 3851377.25	0.24801	7.31E-03	7.46E-03	7.45E-03
3682	479863.09, 3851377.25	0.34652	1.02E-02	1.04E-02	1.04E-02
3683	480363.09, 3851377.25	0.62139	1.83E-02	1.87E-02	1.87E-02
3684	480863.09, 3851377.25	3.07324	9.06E-02	9.24E-02	9.23E-02
3685	481363.09, 3851377.25	0.99945	2.95E-02	3.01E-02	3.00E-02
3686	481863.09, 3851377.25	0.51215	1.51E-02	1.54E-02	1.54E-02
3687	482363.09, 3851377.25	0.33847	9.97E-03	1.02E-02	1.02E-02
3688	482863.09, 3851377.25	0.22605	6.66E-03	6.80E-03	6.79E-03
3689	483363.09, 3851377.25	0.16339	4.81E-03	4.91E-03	4.91E-03
3690	483863.09, 3851377.25	0.13628	4.02E-03	4.10E-03	4.09E-03
3691	484363.09, 3851377.25	0.14285	4.21E-03	4.30E-03	4.29E-03
3692	484863.09, 3851377.25	0.11077	3.26E-03	3.33E-03	3.33E-03
3693	485363.09, 3851377.25	0.11746	3.46E-03	3.53E-03	3.53E-03
3694	485863.09, 3851377.25	0.09905	2.92E-03	2.98E-03	2.97E-03
3695	486363.09, 3851377.25	0.09517	2.80E-03	2.86E-03	2.86E-03
3696	486863.09, 3851377.25	0.0853	2.51E-03	2.56E-03	2.56E-03
3697	487363.09, 3851377.25	0.07193	2.12E-03	2.16E-03	2.16E-03
3698	487863.09, 3851377.25	0.06917	2.04E-03	2.08E-03	2.08E-03
3699	488363.09, 3851377.25	0.06402	1.89E-03	1.92E-03	1.92E-03
3700	488863.09, 3851377.25	0.0583	1.72E-03	1.75E-03	1.75E-03
3701	489363.09, 3851377.25	0.05316	1.57E-03	1.60E-03	1.60E-03
3702	489863.09, 3851377.25	0.04819	1.42E-03	1.45E-03	1.45E-03
3703	490363.09, 3851377.25	0.04391	1.29E-03	1.32E-03	1.32E-03
3704	490863.09, 3851377.25	0.03974	1.17E-03	1.19E-03	1.19E-03
3705	491363.09, 3851377.25	0.03523	1.04E-03	1.06E-03	1.06E-03
3706	491863.09, 3851377.25	0.03148	9.28E-04	9.47E-04	9.45E-04
3707	492363.09, 3851377.25	0.02864	8.44E-04	8.61E-04	8.60E-04
3708	492863.09, 3851377.25	0.02566	7.56E-04	7.72E-04	7.71E-04
3709	493363.09, 3851377.25	0.02102	6.19E-04	6.32E-04	6.31E-04
3710	493863.09, 3851377.25	0.0215	6.34E-04	6.46E-04	6.46E-04
3711	494363.09, 3851377.25	0.02397	7.06E-04	7.21E-04	7.20E-04
3712	494863.09, 3851377.25	0.02329	6.86E-04	7.00E-04	6.99E-04
3713	495363.09, 3851377.25	0.02503	7.38E-04	7.53E-04	7.52E-04
3714	495863.09, 3851377.25	0.02469	7.28E-04	7.42E-04	7.42E-04
3715	496363.09, 3851377.25	0.02389	7.04E-04	7.18E-04	7.17E-04
3716	496863.09, 3851377.25	0.02284	6.73E-04	6.87E-04	6.86E-04
3717	497363.09, 3851377.25	0.02178	6.42E-04	6.55E-04	6.54E-04

3718	497863.09, 3851377.25	0.02054	6.05E-04	6.18E-04	6.17E-04
3719	498363.09, 3851377.25	0.01878	5.53E-04	5.65E-04	5.64E-04
3720	471363.09, 3851877.25	0.01806	5.32E-04	5.43E-04	5.42E-04
3721	471863.09, 3851877.25	0.01817	5.35E-04	5.46E-04	5.46E-04
3722	472363.09, 3851877.25	0.0229	6.75E-04	6.89E-04	6.88E-04
3723	472863.09, 3851877.25	0.0277	8.16E-04	8.33E-04	8.32E-04
3724	473363.09, 3851877.25	0.02664	7.85E-04	8.01E-04	8.00E-04
3725	473863.09, 3851877.25	0.02892	8.52E-04	8.70E-04	8.69E-04
3726	474363.09, 3851877.25	0.03788	1.12E-03	1.14E-03	1.14E-03
3727	474863.09, 3851877.25	0.04746	1.40E-03	1.43E-03	1.43E-03
3728	475363.09, 3851877.25	0.05493	1.62E-03	1.65E-03	1.65E-03
3729	475863.09, 3851877.25	0.06158	1.81E-03	1.85E-03	1.85E-03
3730	476363.09, 3851877.25	0.06487	1.91E-03	1.95E-03	1.95E-03
3731	476863.09, 3851877.25	0.07523	2.22E-03	2.26E-03	2.26E-03
3732	477363.09, 3851877.25	0.08667	2.55E-03	2.61E-03	2.60E-03
3733	477863.09, 3851877.25	0.09879	2.91E-03	2.97E-03	2.97E-03
3734	478363.09, 3851877.25	0.11081	3.27E-03	3.33E-03	3.33E-03
3735	478863.09, 3851877.25	0.13248	3.90E-03	3.98E-03	3.98E-03
3736	479363.09, 3851877.25	0.15923	4.69E-03	4.79E-03	4.78E-03
3737	479863.09, 3851877.25	0.19254	5.67E-03	5.79E-03	5.78E-03
3738	480363.09, 3851877.25	0.25076	7.39E-03	7.54E-03	7.53E-03
3739	480863.09, 3851877.25	0.36497	1.08E-02	1.10E-02	1.10E-02
3740	481363.09, 3851877.25	0.88552	2.61E-02	2.66E-02	2.66E-02
3741	481863.09, 3851877.25	0.97843	2.88E-02	2.94E-02	2.94E-02
3742	482363.09, 3851877.25	0.38462	1.13E-02	1.16E-02	1.16E-02
3743	482863.09, 3851877.25	0.23366	6.89E-03	7.03E-03	7.02E-03
3744	483363.09, 3851877.25	0.20555	6.06E-03	6.18E-03	6.17E-03
3745	483863.09, 3851877.25	0.1715	5.05E-03	5.16E-03	5.15E-03
3746	484363.09, 3851877.25	0.16246	4.79E-03	4.88E-03	4.88E-03
3747	484863.09, 3851877.25	0.13853	4.08E-03	4.17E-03	4.16E-03
3748	485363.09, 3851877.25	0.12692	3.74E-03	3.82E-03	3.81E-03
3749	485863.09, 3851877.25	0.11553	3.40E-03	3.47E-03	3.47E-03
3750	486363.09, 3851877.25	0.0989	2.91E-03	2.97E-03	2.97E-03
3751	486863.09, 3851877.25	0.08915	2.63E-03	2.68E-03	2.68E-03
3752	487363.09, 3851877.25	0.08024	2.36E-03	2.41E-03	2.41E-03
3753	487863.09, 3851877.25	0.0677	1.99E-03	2.04E-03	2.03E-03
3754	488363.09, 3851877.25	0.06183	1.82E-03	1.86E-03	1.86E-03
3755	488863.09, 3851877.25	0.05432	1.60E-03	1.63E-03	1.63E-03
3756	489363.09, 3851877.25	0.04811	1.42E-03	1.45E-03	1.44E-03
3757	489863.09, 3851877.25	0.0435	1.28E-03	1.31E-03	1.31E-03
3758	490363.09, 3851877.25	0.04039	1.19E-03	1.21E-03	1.21E-03
3759	490863.09, 3851877.25	0.03792	1.12E-03	1.14E-03	1.14E-03
3760	491363.09, 3851877.25	0.03596	1.06E-03	1.08E-03	1.08E-03
3761	491863.09, 3851877.25	0.03377	9.95E-04	1.02E-03	1.01E-03
3762	492363.09, 3851877.25	0.03041	8.96E-04	9.14E-04	9.13E-04
3763	492863.09, 3851877.25	0.02426	7.15E-04	7.29E-04	7.29E-04
3764	493363.09, 3851877.25	0.02696	7.94E-04	8.11E-04	8.10E-04
3765	493863.09, 3851877.25	0.02924	8.62E-04	8.79E-04	8.78E-04
3766	494363.09, 3851877.25	0.02674	7.88E-04	8.04E-04	8.03E-04
3767	494863.09, 3851877.25	0.02736	8.06E-04	8.23E-04	8.22E-04
3768	495363.09, 3851877.25	0.02702	7.96E-04	8.12E-04	8.11E-04
3769	495863.09, 3851877.25	0.02632	7.76E-04	7.91E-04	7.90E-04
3770	496363.09, 3851877.25	0.02487	7.33E-04	7.48E-04	7.47E-04
3771	496863.09, 3851877.25	0.0234	6.90E-04	7.04E-04	7.03E-04
3772	497363.09, 3851877.25	0.02194	6.46E-04	6.60E-04	6.59E-04
3773	497863.09, 3851877.25	0.01992	5.87E-04	5.99E-04	5.98E-04
3774	498363.09, 3851877.25	0.01813	5.34E-04	5.45E-04	5.44E-04
3775	471363.09, 3852377.25	0.01395	4.11E-04	4.19E-04	4.19E-04
3776	471863.09, 3852377.25	0.01737	5.12E-04	5.22E-04	5.22E-04
3777	472363.09, 3852377.25	0.02004	5.91E-04	6.03E-04	6.02E-04
3778	472863.09, 3852377.25	0.0228	6.72E-04	6.86E-04	6.85E-04

3779	473363.09, 3852377.25	0.02487	7.33E-04	7.48E-04	7.47E-04
3780	473863.09, 3852377.25	0.02629	7.75E-04	7.90E-04	7.90E-04
3781	474363.09, 3852377.25	0.02798	8.24E-04	8.41E-04	8.40E-04
3782	474863.09, 3852377.25	0.03935	1.16E-03	1.18E-03	1.18E-03
3783	475363.09, 3852377.25	0.04238	1.25E-03	1.27E-03	1.27E-03
3784	475863.09, 3852377.25	0.04508	1.33E-03	1.36E-03	1.35E-03
3785	476363.09, 3852377.25	0.04613	1.36E-03	1.39E-03	1.39E-03
3786	476863.09, 3852377.25	0.05168	1.52E-03	1.55E-03	1.55E-03
3787	477363.09, 3852377.25	0.05511	1.62E-03	1.66E-03	1.66E-03
3788	477863.09, 3852377.25	0.04674	1.38E-03	1.41E-03	1.40E-03
3789	478363.09, 3852377.25	0.04224	1.24E-03	1.27E-03	1.27E-03
3790	478863.09, 3852377.25	0.06332	1.87E-03	1.90E-03	1.90E-03
3791	479363.09, 3852377.25	0.08156	2.40E-03	2.45E-03	2.45E-03
3792	479863.09, 3852377.25	0.1246	3.67E-03	3.75E-03	3.74E-03
3793	480363.09, 3852377.25	0.16162	4.76E-03	4.86E-03	4.85E-03
3794	480863.09, 3852377.25	0.20871	6.15E-03	6.28E-03	6.27E-03
3795	481363.09, 3852377.25	0.31432	9.26E-03	9.45E-03	9.44E-03
3796	481863.09, 3852377.25	0.88839	2.62E-02	2.67E-02	2.67E-02
3797	482363.09, 3852377.25	0.88087	2.60E-02	2.65E-02	2.65E-02
3798	482863.09, 3852377.25	0.41641	1.23E-02	1.25E-02	1.25E-02
3799	483363.09, 3852377.25	0.24432	7.20E-03	7.35E-03	7.34E-03
3800	483863.09, 3852377.25	0.18476	5.44E-03	5.56E-03	5.55E-03
3801	484363.09, 3852377.25	0.17498	5.16E-03	5.26E-03	5.26E-03
3802	484863.09, 3852377.25	0.15883	4.68E-03	4.78E-03	4.77E-03
3803	485363.09, 3852377.25	0.14288	4.21E-03	4.30E-03	4.29E-03
3804	485863.09, 3852377.25	0.12034	3.55E-03	3.62E-03	3.61E-03
3805	486363.09, 3852377.25	0.09857	2.90E-03	2.96E-03	2.96E-03
3806	486863.09, 3852377.25	0.08614	2.54E-03	2.59E-03	2.59E-03
3807	487363.09, 3852377.25	0.07403	2.18E-03	2.23E-03	2.22E-03
3808	487863.09, 3852377.25	0.06383	1.88E-03	1.92E-03	1.92E-03
3809	488363.09, 3852377.25	0.05516	1.63E-03	1.66E-03	1.66E-03
3810	488863.09, 3852377.25	0.04722	1.39E-03	1.42E-03	1.42E-03
3811	489363.09, 3852377.25	0.04148	1.22E-03	1.25E-03	1.25E-03
3812	489863.09, 3852377.25	0.03526	1.04E-03	1.06E-03	1.06E-03
3813	490363.09, 3852377.25	0.03551	1.05E-03	1.07E-03	1.07E-03
3814	490863.09, 3852377.25	0.03499	1.03E-03	1.05E-03	1.05E-03
3815	491363.09, 3852377.25	0.0372	1.10E-03	1.12E-03	1.12E-03
3816	491863.09, 3852377.25	0.03533	1.04E-03	1.06E-03	1.06E-03
3817	492363.09, 3852377.25	0.03336	9.83E-04	1.00E-03	1.00E-03
3818	492863.09, 3852377.25	0.03281	9.67E-04	9.87E-04	9.85E-04
3819	493363.09, 3852377.25	0.0333	9.81E-04	1.00E-03	1.00E-03
3820	493863.09, 3852377.25	0.03123	9.20E-04	9.39E-04	9.38E-04
3821	494363.09, 3852377.25	0.02935	8.65E-04	8.82E-04	8.81E-04
3822	494863.09, 3852377.25	0.029	8.55E-04	8.72E-04	8.71E-04
3823	495363.09, 3852377.25	0.02865	8.44E-04	8.61E-04	8.60E-04
3824	495863.09, 3852377.25	0.02674	7.88E-04	8.04E-04	8.03E-04
3825	496363.09, 3852377.25	0.02488	7.33E-04	7.48E-04	7.47E-04
3826	496863.09, 3852377.25	0.02346	6.91E-04	7.05E-04	7.05E-04
3827	497363.09, 3852377.25	0.02104	6.20E-04	6.33E-04	6.32E-04
3828	497863.09, 3852377.25	0.01865	5.50E-04	5.61E-04	5.60E-04
3829	498363.09, 3852377.25	0.0165	4.86E-04	4.96E-04	4.96E-04
3830	471363.09, 3852877.25	0.01406	4.14E-04	4.23E-04	4.22E-04
3831	471863.09, 3852877.25	0.01633	4.81E-04	4.91E-04	4.90E-04
3832	472363.09, 3852877.25	0.01863	5.49E-04	5.60E-04	5.60E-04
3833	472863.09, 3852877.25	0.0209	6.16E-04	6.28E-04	6.28E-04
3834	473363.09, 3852877.25	0.02328	6.86E-04	7.00E-04	6.99E-04
3835	473863.09, 3852877.25	0.02634	7.76E-04	7.92E-04	7.91E-04
3836	474363.09, 3852877.25	0.02952	8.70E-04	8.88E-04	8.87E-04
3837	474863.09, 3852877.25	0.02774	8.17E-04	8.34E-04	8.33E-04
3838	475363.09, 3852877.25	0.03218	9.48E-04	9.68E-04	9.66E-04
3839	475863.09, 3852877.25	0.03436	1.01E-03	1.03E-03	1.03E-03

3840	476363.09, 3852877.25	0.0323	9.52E-04	9.71E-04	9.70E-04
3841	476863.09, 3852877.25	0.02709	7.98E-04	8.15E-04	8.14E-04
3842	477363.09, 3852877.25	0.02385	7.03E-04	7.17E-04	7.16E-04
3843	477863.09, 3852877.25	0.02015	5.94E-04	6.06E-04	6.05E-04
3844	478363.09, 3852877.25	0.01433	4.22E-04	4.31E-04	4.30E-04
3845	478863.09, 3852877.25	0.01958	5.77E-04	5.89E-04	5.88E-04
3846	479363.09, 3852877.25	0.03268	9.63E-04	9.83E-04	9.81E-04
3847	479863.09, 3852877.25	0.06853	2.02E-03	2.06E-03	2.06E-03
3848	480363.09, 3852877.25	0.11352	3.35E-03	3.41E-03	3.41E-03
3849	480863.09, 3852877.25	0.14185	4.18E-03	4.27E-03	4.26E-03
3850	481363.09, 3852877.25	0.18765	5.53E-03	5.64E-03	5.64E-03
3851	481863.09, 3852877.25	0.29533	8.70E-03	8.88E-03	8.87E-03
3852	482363.09, 3852877.25	0.98021	2.89E-02	2.95E-02	2.94E-02
3853	482863.09, 3852877.25	0.81701	2.41E-02	2.46E-02	2.45E-02
3854	483363.09, 3852877.25	0.37016	1.09E-02	1.11E-02	1.11E-02
3855	483863.09, 3852877.25	0.21244	6.26E-03	6.39E-03	6.38E-03
3856	484363.09, 3852877.25	0.19155	5.64E-03	5.76E-03	5.75E-03
3857	484863.09, 3852877.25	0.16532	4.87E-03	4.97E-03	4.96E-03
3858	485363.09, 3852877.25	0.11898	3.51E-03	3.58E-03	3.57E-03
3859	485863.09, 3852877.25	0.09852	2.90E-03	2.96E-03	2.96E-03
3860	486363.09, 3852877.25	0.08171	2.41E-03	2.46E-03	2.45E-03
3861	486863.09, 3852877.25	0.07208	2.12E-03	2.17E-03	2.16E-03
3862	487363.09, 3852877.25	0.0617	1.82E-03	1.86E-03	1.85E-03
3863	487863.09, 3852877.25	0.05406	1.59E-03	1.63E-03	1.62E-03
3864	488363.09, 3852877.25	0.03812	1.12E-03	1.15E-03	1.14E-03
3865	488863.09, 3852877.25	0.03788	1.12E-03	1.14E-03	1.14E-03
3866	489363.09, 3852877.25	0.03579	1.05E-03	1.08E-03	1.07E-03
3867	489863.09, 3852877.25	0.03378	9.95E-04	1.02E-03	1.01E-03
3868	490363.09, 3852877.25	0.03873	1.14E-03	1.16E-03	1.16E-03
3869	490863.09, 3852877.25	0.03871	1.14E-03	1.16E-03	1.16E-03
3870	491363.09, 3852877.25	0.03826	1.13E-03	1.15E-03	1.15E-03
3871	491863.09, 3852877.25	0.03656	1.08E-03	1.10E-03	1.10E-03
3872	492363.09, 3852877.25	0.03529	1.04E-03	1.06E-03	1.06E-03
3873	492863.09, 3852877.25	0.03517	1.04E-03	1.06E-03	1.06E-03
3874	493363.09, 3852877.25	0.03434	1.01E-03	1.03E-03	1.03E-03
3875	493863.09, 3852877.25	0.03245	9.56E-04	9.76E-04	9.75E-04
3876	494363.09, 3852877.25	0.0309	9.11E-04	9.29E-04	9.28E-04
3877	494863.09, 3852877.25	0.02984	8.79E-04	8.97E-04	8.96E-04
3878	495363.09, 3852877.25	0.02772	8.17E-04	8.33E-04	8.33E-04
3879	495863.09, 3852877.25	0.02575	7.59E-04	7.74E-04	7.73E-04
3880	496363.09, 3852877.25	0.02461	7.25E-04	7.40E-04	7.39E-04
3881	496863.09, 3852877.25	0.02311	6.81E-04	6.95E-04	6.94E-04
3882	497363.09, 3852877.25	0.01999	5.89E-04	6.01E-04	6.00E-04
3883	497863.09, 3852877.25	0.01516	4.47E-04	4.56E-04	4.55E-04
3884	498363.09, 3852877.25	0.01401	4.13E-04	4.21E-04	4.21E-04
3885	471363.09, 3853377.25	0.01403	4.13E-04	4.22E-04	4.21E-04
3886	471863.09, 3853377.25	0.01574	4.64E-04	4.73E-04	4.73E-04
3887	472363.09, 3853377.25	0.01743	5.14E-04	5.24E-04	5.23E-04
3888	472863.09, 3853377.25	0.01933	5.70E-04	5.81E-04	5.81E-04
3889	473363.09, 3853377.25	0.02067	6.09E-04	6.22E-04	6.21E-04
3890	473863.09, 3853377.25	0.02225	6.56E-04	6.69E-04	6.68E-04
3891	474363.09, 3853377.25	0.02355	6.94E-04	7.08E-04	7.07E-04
3892	474863.09, 3853377.25	0.02295	6.76E-04	6.90E-04	6.89E-04
3893	475363.09, 3853377.25	0.02308	6.80E-04	6.94E-04	6.93E-04
3894	475863.09, 3853377.25	0.0231	6.81E-04	6.95E-04	6.94E-04
3895	476363.09, 3853377.25	0.02058	6.06E-04	6.19E-04	6.18E-04
3896	476863.09, 3853377.25	0.01581	4.66E-04	4.75E-04	4.75E-04
3897	477363.09, 3853377.25	0.01524	4.49E-04	4.58E-04	4.58E-04
3898	477863.09, 3853377.25	0.0158	4.66E-04	4.75E-04	4.75E-04
3899	478363.09, 3853377.25	0.01243	3.66E-04	3.74E-04	3.73E-04
3900	478863.09, 3853377.25	0.00827	2.44E-04	2.49E-04	2.48E-04

3901	479363.09, 3853377.25	0.01849	5.45E-04	5.56E-04	5.55E-04
3902	479863.09, 3853377.25	0.03346	9.86E-04	1.01E-03	1.00E-03
3903	480363.09, 3853377.25	0.06516	1.92E-03	1.96E-03	1.96E-03
3904	480863.09, 3853377.25	0.06543	1.93E-03	1.97E-03	1.97E-03
3905	481363.09, 3853377.25	0.10822	3.19E-03	3.25E-03	3.25E-03
3906	481863.09, 3853377.25	0.1644	4.84E-03	4.94E-03	4.94E-03
3907	482363.09, 3853377.25	0.27034	7.97E-03	8.13E-03	8.12E-03
3908	482863.09, 3853377.25	1.90988	5.63E-02	5.74E-02	5.74E-02
3909	483363.09, 3853377.25	0.3664	1.08E-02	1.10E-02	1.10E-02
3910	483863.09, 3853377.25	0.2162	6.37E-03	6.50E-03	6.49E-03
3911	484363.09, 3853377.25	0.17291	5.10E-03	5.20E-03	5.19E-03
3912	484863.09, 3853377.25	0.12651	3.73E-03	3.80E-03	3.80E-03
3913	485363.09, 3853377.25	0.08773	2.59E-03	2.64E-03	2.63E-03
3914	485863.09, 3853377.25	0.06504	1.92E-03	1.96E-03	1.95E-03
3915	486363.09, 3853377.25	0.06117	1.80E-03	1.84E-03	1.84E-03
3916	486863.09, 3853377.25	0.05646	1.66E-03	1.70E-03	1.70E-03
3917	487363.09, 3853377.25	0.0545	1.61E-03	1.64E-03	1.64E-03
3918	487863.09, 3853377.25	0.05171	1.52E-03	1.55E-03	1.55E-03
3919	488363.09, 3853377.25	0.05001	1.47E-03	1.50E-03	1.50E-03
3920	488863.09, 3853377.25	0.04693	1.38E-03	1.41E-03	1.41E-03
3921	489363.09, 3853377.25	0.04397	1.30E-03	1.32E-03	1.32E-03
3922	489863.09, 3853377.25	0.04048	1.19E-03	1.22E-03	1.22E-03
3923	490363.09, 3853377.25	0.03985	1.17E-03	1.20E-03	1.20E-03
3924	490863.09, 3853377.25	0.03882	1.14E-03	1.17E-03	1.17E-03
3925	491363.09, 3853377.25	0.03772	1.11E-03	1.13E-03	1.13E-03
3926	491863.09, 3853377.25	0.03649	1.08E-03	1.10E-03	1.10E-03
3927	492363.09, 3853377.25	0.03601	1.06E-03	1.08E-03	1.08E-03
3928	492863.09, 3853377.25	0.03547	1.05E-03	1.07E-03	1.07E-03
3929	493363.09, 3853377.25	0.03412	1.01E-03	1.03E-03	1.02E-03
3930	493863.09, 3853377.25	0.0327	9.64E-04	9.83E-04	9.82E-04
3931	494363.09, 3853377.25	0.03076	9.06E-04	9.25E-04	9.24E-04
3932	494863.09, 3853377.25	0.0287	8.46E-04	8.63E-04	8.62E-04
3933	495363.09, 3853377.25	0.02731	8.05E-04	8.21E-04	8.20E-04
3934	495863.09, 3853377.25	0.02562	7.55E-04	7.70E-04	7.69E-04
3935	496363.09, 3853377.25	0.02361	6.96E-04	7.10E-04	7.09E-04
3936	496863.09, 3853377.25	0.02097	6.18E-04	6.31E-04	6.30E-04
3937	497363.09, 3853377.25	0.01768	5.21E-04	5.32E-04	5.31E-04
3938	497863.09, 3853377.25	0.01179	3.47E-04	3.55E-04	3.54E-04
3939	498363.09, 3853377.25	0.00913	2.69E-04	2.75E-04	2.74E-04
3940	471363.09, 3853877.25	0.01366	4.03E-04	4.11E-04	4.10E-04
3941	471863.09, 3853877.25	0.01531	4.51E-04	4.60E-04	4.60E-04
3942	472363.09, 3853877.25	0.01643	4.84E-04	4.94E-04	4.93E-04
3943	472863.09, 3853877.25	0.01791	5.28E-04	5.39E-04	5.38E-04
3944	473363.09, 3853877.25	0.01875	5.52E-04	5.64E-04	5.63E-04
3945	473863.09, 3853877.25	0.01963	5.78E-04	5.90E-04	5.90E-04
3946	474363.09, 3853877.25	0.02071	6.10E-04	6.23E-04	6.22E-04
3947	474863.09, 3853877.25	0.02135	6.29E-04	6.42E-04	6.41E-04
3948	475363.09, 3853877.25	0.02003	5.90E-04	6.02E-04	6.02E-04
3949	475863.09, 3853877.25	0.01605	4.73E-04	4.83E-04	4.82E-04
3950	476363.09, 3853877.25	0.01214	3.58E-04	3.65E-04	3.65E-04
3951	476863.09, 3853877.25	0.00798	2.35E-04	2.40E-04	2.40E-04
3952	477363.09, 3853877.25	0.00887	2.61E-04	2.67E-04	2.66E-04
3953	477863.09, 3853877.25	0.01094	3.22E-04	3.29E-04	3.29E-04
3954	478363.09, 3853877.25	0.01156	3.41E-04	3.48E-04	3.47E-04
3955	478863.09, 3853877.25	0.00657	1.94E-04	1.98E-04	1.97E-04
3956	479363.09, 3853877.25	0.0107	3.15E-04	3.22E-04	3.21E-04
3957	479863.09, 3853877.25	0.0246	7.25E-04	7.40E-04	7.39E-04
3958	480363.09, 3853877.25	0.03735	1.10E-03	1.12E-03	1.12E-03
3959	480863.09, 3853877.25	0.06139	1.81E-03	1.85E-03	1.84E-03
3960	481363.09, 3853877.25	0.07956	2.34E-03	2.39E-03	2.39E-03
3961	481863.09, 3853877.25	0.10026	2.95E-03	3.01E-03	3.01E-03

3962 482363.09, 3853877.25	0.11601	3.42E-03	3.49E-03	3.48E-03
3963 482863.09, 3853877.25	0.12178	3.59E-03	3.66E-03	3.66E-03
3964 483363.09, 3853877.25	0.11751	3.46E-03	3.53E-03	3.53E-03
3965 483863.09, 3853877.25	0.11148	3.28E-03	3.35E-03	3.35E-03
3966 484363.09, 3853877.25	0.09409	2.77E-03	2.83E-03	2.83E-03
3967 484863.09, 3853877.25	0.07663	2.26E-03	2.30E-03	2.30E-03
3968 485363.09, 3853877.25	0.05752	1.69E-03	1.73E-03	1.73E-03
3969 485863.09, 3853877.25	0.05843	1.72E-03	1.76E-03	1.75E-03
3970 486363.09, 3853877.25	0.05298	1.56E-03	1.59E-03	1.59E-03
3971 486863.09, 3853877.25	0.04824	1.42E-03	1.45E-03	1.45E-03
3972 487363.09, 3853877.25	0.04746	1.40E-03	1.43E-03	1.43E-03
3973 487863.09, 3853877.25	0.04878	1.44E-03	1.47E-03	1.46E-03
3974 488363.09, 3853877.25	0.04751	1.40E-03	1.43E-03	1.43E-03
3975 488863.09, 3853877.25	0.04708	1.39E-03	1.42E-03	1.41E-03
3976 489363.09, 3853877.25	0.04344	1.28E-03	1.31E-03	1.30E-03
3977 489863.09, 3853877.25	0.04196	1.24E-03	1.26E-03	1.26E-03
3978 490363.09, 3853877.25	0.03972	1.17E-03	1.19E-03	1.19E-03
3979 490863.09, 3853877.25	0.03823	1.13E-03	1.15E-03	1.15E-03
3980 491363.09, 3853877.25	0.03695	1.09E-03	1.11E-03	1.11E-03
3981 491863.09, 3853877.25	0.03574	1.05E-03	1.07E-03	1.07E-03
3982 492363.09, 3853877.25	0.0353	1.04E-03	1.06E-03	1.06E-03
3983 492863.09, 3853877.25	0.03441	1.01E-03	1.03E-03	1.03E-03
3984 493363.09, 3853877.25	0.03299	9.72E-04	9.92E-04	9.91E-04
3985 493863.09, 3853877.25	0.03138	9.25E-04	9.44E-04	9.42E-04
3986 494363.09, 3853877.25	0.03003	8.85E-04	9.03E-04	9.02E-04
3987 494863.09, 3853877.25	0.02837	8.36E-04	8.53E-04	8.52E-04
3988 495363.09, 3853877.25	0.02543	7.49E-04	7.65E-04	7.64E-04
3989 495863.09, 3853877.25	0.02294	6.76E-04	6.90E-04	6.89E-04
3990 496363.09, 3853877.25	0.02123	6.26E-04	6.38E-04	6.38E-04
3991 496863.09, 3853877.25	0.01834	5.40E-04	5.51E-04	5.51E-04
3992 497363.09, 3853877.25	0.01586	4.67E-04	4.77E-04	4.76E-04
3993 497863.09, 3853877.25	0.01254	3.70E-04	3.77E-04	3.77E-04
3994 498363.09, 3853877.25	0.01067	3.14E-04	3.21E-04	3.20E-04
3995 471363.09, 3854377.25	0.01324	3.90E-04	3.98E-04	3.98E-04
3996 471863.09, 3854377.25	0.01463	4.31E-04	4.40E-04	4.39E-04
3997 472363.09, 3854377.25	0.01577	4.65E-04	4.74E-04	4.74E-04
3998 472863.09, 3854377.25	0.01658	4.89E-04	4.99E-04	4.98E-04
3999 473363.09, 3854377.25	0.01766	5.20E-04	5.31E-04	5.30E-04
4000 473863.09, 3854377.25	0.01897	5.59E-04	5.70E-04	5.70E-04
4001 474363.09, 3854377.25	0.02007	5.91E-04	6.03E-04	6.03E-04
4002 474863.09, 3854377.25	0.01885	5.55E-04	5.67E-04	5.66E-04
4003 475363.09, 3854377.25	0.01549	4.56E-04	4.66E-04	4.65E-04
4004 475863.09, 3854377.25	0.00908	2.68E-04	2.73E-04	2.73E-04
4005 476363.09, 3854377.25	0.00738	2.17E-04	2.22E-04	2.22E-04
4006 476863.09, 3854377.25	0.00656	1.93E-04	1.97E-04	1.97E-04
4007 477363.09, 3854377.25	0.00609	1.79E-04	1.83E-04	1.83E-04
4008 477863.09, 3854377.25	0.00595	1.75E-04	1.79E-04	1.79E-04
4009 478363.09, 3854377.25	0.00739	2.18E-04	2.22E-04	2.22E-04
4010 478863.09, 3854377.25	0.00809	2.38E-04	2.43E-04	2.43E-04
4011 479363.09, 3854377.25	0.015	4.42E-04	4.51E-04	4.50E-04
4012 479863.09, 3854377.25	0.01996	5.88E-04	6.00E-04	5.99E-04
4013 480363.09, 3854377.25	0.02779	8.19E-04	8.36E-04	8.35E-04
4014 480863.09, 3854377.25	0.04114	1.21E-03	1.24E-03	1.24E-03
4015 481363.09, 3854377.25	0.05449	1.61E-03	1.64E-03	1.64E-03
4016 481863.09, 3854377.25	0.06796	2.00E-03	2.04E-03	2.04E-03
4017 482363.09, 3854377.25	0.07012	2.07E-03	2.11E-03	2.11E-03
4018 482863.09, 3854377.25	0.06985	2.06E-03	2.10E-03	2.10E-03
4019 483363.09, 3854377.25	0.06843	2.02E-03	2.06E-03	2.06E-03
4020 483863.09, 3854377.25	0.06205	1.83E-03	1.87E-03	1.86E-03
4021 484363.09, 3854377.25	0.05256	1.55E-03	1.58E-03	1.58E-03
4022 484863.09, 3854377.25	0.04359	1.28E-03	1.31E-03	1.31E-03

4023	485363.09, 3854377.25	0.04993	1.47E-03	1.50E-03	1.50E-03
4024	485863.09, 3854377.25	0.04449	1.31E-03	1.34E-03	1.34E-03
4025	486363.09, 3854377.25	0.04647	1.37E-03	1.40E-03	1.40E-03
4026	486863.09, 3854377.25	0.04369	1.29E-03	1.31E-03	1.31E-03
4027	487363.09, 3854377.25	0.04311	1.27E-03	1.30E-03	1.29E-03
4028	487863.09, 3854377.25	0.04399	1.30E-03	1.32E-03	1.32E-03
4029	488363.09, 3854377.25	0.04388	1.29E-03	1.32E-03	1.32E-03
4030	488863.09, 3854377.25	0.04304	1.27E-03	1.29E-03	1.29E-03
4031	489363.09, 3854377.25	0.04176	1.23E-03	1.26E-03	1.25E-03
4032	489863.09, 3854377.25	0.04014	1.18E-03	1.21E-03	1.21E-03
4033	490363.09, 3854377.25	0.03832	1.13E-03	1.15E-03	1.15E-03
4034	490863.09, 3854377.25	0.03349	9.87E-04	1.01E-03	1.01E-03
4035	491363.09, 3854377.25	0.03434	1.01E-03	1.03E-03	1.03E-03
4036	491863.09, 3854377.25	0.03444	1.01E-03	1.04E-03	1.03E-03
4037	492363.09, 3854377.25	0.03374	9.94E-04	1.01E-03	1.01E-03
4038	492863.09, 3854377.25	0.03255	9.59E-04	9.79E-04	9.78E-04
4039	493363.09, 3854377.25	0.03111	9.17E-04	9.35E-04	9.34E-04
4040	493863.09, 3854377.25	0.02963	8.73E-04	8.91E-04	8.90E-04
4041	494363.09, 3854377.25	0.02827	8.33E-04	8.50E-04	8.49E-04
4042	494863.09, 3854377.25	0.02469	7.28E-04	7.42E-04	7.42E-04
4043	495363.09, 3854377.25	0.02069	6.10E-04	6.22E-04	6.21E-04
4044	495863.09, 3854377.25	0.0179	5.27E-04	5.38E-04	5.38E-04
4045	496363.09, 3854377.25	0.01657	4.88E-04	4.98E-04	4.98E-04
4046	496863.09, 3854377.25	0.01476	4.35E-04	4.44E-04	4.43E-04
4047	497363.09, 3854377.25	0.01182	3.48E-04	3.55E-04	3.55E-04
4048	497863.09, 3854377.25	0.01236	3.64E-04	3.72E-04	3.71E-04
4049	498363.09, 3854377.25	0.01083	3.19E-04	3.26E-04	3.25E-04
4050	471363.09, 3854877.25	0.01303	3.84E-04	3.92E-04	3.91E-04
4051	471863.09, 3854877.25	0.014	4.13E-04	4.21E-04	4.20E-04
4052	472363.09, 3854877.25	0.01491	4.39E-04	4.48E-04	4.48E-04
4053	472863.09, 3854877.25	0.0152	4.48E-04	4.57E-04	4.56E-04
4054	473363.09, 3854877.25	0.01647	4.85E-04	4.95E-04	4.95E-04
4055	473863.09, 3854877.25	0.01764	5.20E-04	5.30E-04	5.30E-04
4056	474363.09, 3854877.25	0.01911	5.63E-04	5.75E-04	5.74E-04
4057	474863.09, 3854877.25	0.01574	4.64E-04	4.73E-04	4.73E-04
4058	475363.09, 3854877.25	0.01133	3.34E-04	3.41E-04	3.40E-04
4059	475863.09, 3854877.25	0.00733	2.16E-04	2.20E-04	2.20E-04
4060	476363.09, 3854877.25	0.0034	1.00E-04	1.02E-04	1.02E-04
4061	476863.09, 3854877.25	0.00311	9.16E-05	9.35E-05	9.34E-05
4062	477363.09, 3854877.25	0.00408	1.20E-04	1.23E-04	1.23E-04
4063	477863.09, 3854877.25	0.00501	1.48E-04	1.51E-04	1.50E-04
4064	478363.09, 3854877.25	0.00768	2.26E-04	2.31E-04	2.31E-04
4065	478863.09, 3854877.25	0.01211	3.57E-04	3.64E-04	3.64E-04
4066	479363.09, 3854877.25	0.01778	5.24E-04	5.35E-04	5.34E-04
4067	479863.09, 3854877.25	0.0242	7.13E-04	7.28E-04	7.27E-04
4068	480363.09, 3854877.25	0.02914	8.59E-04	8.76E-04	8.75E-04
4069	480863.09, 3854877.25	0.03791	1.12E-03	1.14E-03	1.14E-03
4070	481363.09, 3854877.25	0.04304	1.27E-03	1.29E-03	1.29E-03
4071	481863.09, 3854877.25	0.04071	1.20E-03	1.22E-03	1.22E-03
4072	482363.09, 3854877.25	0.05106	1.50E-03	1.54E-03	1.53E-03
4073	482863.09, 3854877.25	0.0506	1.49E-03	1.52E-03	1.52E-03
4074	483363.09, 3854877.25	0.0507	1.49E-03	1.52E-03	1.52E-03
4075	483863.09, 3854877.25	0.04961	1.46E-03	1.49E-03	1.49E-03
4076	484363.09, 3854877.25	0.04548	1.34E-03	1.37E-03	1.37E-03
4077	484863.09, 3854877.25	0.0441	1.30E-03	1.33E-03	1.32E-03
4078	485363.09, 3854877.25	0.04191	1.23E-03	1.26E-03	1.26E-03
4079	485863.09, 3854877.25	0.04083	1.20E-03	1.23E-03	1.23E-03
4080	486363.09, 3854877.25	0.03967	1.17E-03	1.19E-03	1.19E-03
4081	486863.09, 3854877.25	0.0394	1.16E-03	1.18E-03	1.18E-03
4082	487363.09, 3854877.25	0.04075	1.20E-03	1.23E-03	1.22E-03
4083	487863.09, 3854877.25	0.04058	1.20E-03	1.22E-03	1.22E-03

4084	488363.09, 3854877.25	0.03977	1.17E-03	1.20E-03	1.19E-03
4085	488863.09, 3854877.25	0.03932	1.16E-03	1.18E-03	1.18E-03
4086	489363.09, 3854877.25	0.03838	1.13E-03	1.15E-03	1.15E-03
4087	489863.09, 3854877.25	0.03643	1.07E-03	1.10E-03	1.09E-03
4088	490363.09, 3854877.25	0.03093	9.11E-04	9.30E-04	9.29E-04
4089	490863.09, 3854877.25	0.02425	7.15E-04	7.29E-04	7.28E-04
4090	491363.09, 3854877.25	0.02582	7.61E-04	7.76E-04	7.75E-04
4091	491863.09, 3854877.25	0.03211	9.46E-04	9.65E-04	9.64E-04
4092	492363.09, 3854877.25	0.03168	9.33E-04	9.53E-04	9.51E-04
4093	492863.09, 3854877.25	0.03054	9.00E-04	9.18E-04	9.17E-04
4094	493363.09, 3854877.25	0.02909	8.57E-04	8.75E-04	8.74E-04
4095	493863.09, 3854877.25	0.02783	8.20E-04	8.37E-04	8.36E-04
4096	494363.09, 3854877.25	0.02368	6.98E-04	7.12E-04	7.11E-04
4097	494863.09, 3854877.25	0.01872	5.52E-04	5.63E-04	5.62E-04
4098	495363.09, 3854877.25	0.01544	4.55E-04	4.64E-04	4.64E-04
4099	495863.09, 3854877.25	0.01367	4.03E-04	4.11E-04	4.11E-04
4100	496363.09, 3854877.25	0.01124	3.31E-04	3.38E-04	3.38E-04
4101	496863.09, 3854877.25	0.00989	2.91E-04	2.97E-04	2.97E-04
4102	497363.09, 3854877.25	0.00966	2.85E-04	2.90E-04	2.90E-04
4103	497863.09, 3854877.25	0.01086	3.20E-04	3.27E-04	3.26E-04
4104	498363.09, 3854877.25	0.01083	3.19E-04	3.26E-04	3.25E-04
4105	471363.09, 3855377.25	0.01293	3.81E-04	3.89E-04	3.88E-04
4106	471863.09, 3855377.25	0.01348	3.97E-04	4.05E-04	4.05E-04
4107	472363.09, 3855377.25	0.01454	4.28E-04	4.37E-04	4.37E-04
4108	472863.09, 3855377.25	0.015	4.42E-04	4.51E-04	4.50E-04
4109	473363.09, 3855377.25	0.01626	4.79E-04	4.89E-04	4.88E-04
4110	473863.09, 3855377.25	0.01726	5.09E-04	5.19E-04	5.18E-04
4111	474363.09, 3855377.25	0.01804	5.32E-04	5.42E-04	5.42E-04
4112	474863.09, 3855377.25	0.01531	4.51E-04	4.60E-04	4.60E-04
4113	475363.09, 3855377.25	0.00592	1.74E-04	1.78E-04	1.78E-04
4114	475863.09, 3855377.25	0.00361	1.06E-04	1.09E-04	1.08E-04
4115	476363.09, 3855377.25	0.00449	1.32E-04	1.35E-04	1.35E-04
4116	476863.09, 3855377.25	0.00405	1.19E-04	1.22E-04	1.22E-04
4117	477363.09, 3855377.25	0.00453	1.33E-04	1.36E-04	1.36E-04
4118	477863.09, 3855377.25	0.00656	1.93E-04	1.97E-04	1.97E-04
4119	478363.09, 3855377.25	0.00913	2.69E-04	2.75E-04	2.74E-04
4120	478863.09, 3855377.25	0.01187	3.50E-04	3.57E-04	3.56E-04
4121	479363.09, 3855377.25	0.01562	4.60E-04	4.70E-04	4.69E-04
4122	479863.09, 3855377.25	0.01912	5.63E-04	5.75E-04	5.74E-04
4123	480363.09, 3855377.25	0.02556	7.53E-04	7.69E-04	7.68E-04
4124	480863.09, 3855377.25	0.03317	9.77E-04	9.97E-04	9.96E-04
4125	481363.09, 3855377.25	0.03869	1.14E-03	1.16E-03	1.16E-03
4126	481863.09, 3855377.25	0.04064	1.20E-03	1.22E-03	1.22E-03
4127	482363.09, 3855377.25	0.04046	1.19E-03	1.22E-03	1.22E-03
4128	482863.09, 3855377.25	0.04022	1.19E-03	1.21E-03	1.21E-03
4129	483363.09, 3855377.25	0.04037	1.19E-03	1.21E-03	1.21E-03
4130	483863.09, 3855377.25	0.04063	1.20E-03	1.22E-03	1.22E-03
4131	484363.09, 3855377.25	0.04052	1.19E-03	1.22E-03	1.22E-03
4132	484863.09, 3855377.25	0.03982	1.17E-03	1.20E-03	1.20E-03
4133	485363.09, 3855377.25	0.03921	1.16E-03	1.18E-03	1.18E-03
4134	485863.09, 3855377.25	0.03713	1.09E-03	1.12E-03	1.12E-03
4135	486363.09, 3855377.25	0.03567	1.05E-03	1.07E-03	1.07E-03
4136	486863.09, 3855377.25	0.03452	1.02E-03	1.04E-03	1.04E-03
4137	487363.09, 3855377.25	0.03585	1.06E-03	1.08E-03	1.08E-03
4138	487863.09, 3855377.25	0.03699	1.09E-03	1.11E-03	1.11E-03
4139	488363.09, 3855377.25	0.03731	1.10E-03	1.12E-03	1.12E-03
4140	488863.09, 3855377.25	0.03667	1.08E-03	1.10E-03	1.10E-03
4141	489363.09, 3855377.25	0.03521	1.04E-03	1.06E-03	1.06E-03
4142	489863.09, 3855377.25	0.03356	9.89E-04	1.01E-03	1.01E-03
4143	490363.09, 3855377.25	0.03297	9.72E-04	9.91E-04	9.90E-04
4144	490863.09, 3855377.25	0.0261	7.69E-04	7.85E-04	7.84E-04

4145	491363.09, 3855377.25	0.02354	6.94E-04	7.08E-04	7.07E-04
4146	491863.09, 3855377.25	0.02949	8.69E-04	8.87E-04	8.86E-04
4147	492363.09, 3855377.25	0.02919	8.60E-04	8.78E-04	8.77E-04
4148	492863.09, 3855377.25	0.02825	8.32E-04	8.49E-04	8.48E-04
4149	493363.09, 3855377.25	0.02645	7.79E-04	7.95E-04	7.94E-04
4150	493863.09, 3855377.25	0.02285	6.73E-04	6.87E-04	6.86E-04
4151	494363.09, 3855377.25	0.01851	5.45E-04	5.57E-04	5.56E-04
4152	494863.09, 3855377.25	0.01421	4.19E-04	4.27E-04	4.27E-04
4153	495363.09, 3855377.25	0.01131	3.33E-04	3.40E-04	3.40E-04
4154	495863.09, 3855377.25	0.00952	2.81E-04	2.86E-04	2.86E-04
4155	496363.09, 3855377.25	0.00939	2.77E-04	2.82E-04	2.82E-04
4156	496863.09, 3855377.25	0.00936	2.76E-04	2.81E-04	2.81E-04
4157	497363.09, 3855377.25	0.00975	2.87E-04	2.93E-04	2.93E-04
4158	497863.09, 3855377.25	0.01052	3.10E-04	3.16E-04	3.16E-04
4159	498363.09, 3855377.25	0.01149	3.39E-04	3.45E-04	3.45E-04
4160	471363.09, 3855877.25	0.01263	3.72E-04	3.80E-04	3.79E-04
4161	471863.09, 3855877.25	0.0132	3.89E-04	3.97E-04	3.96E-04
4162	472363.09, 3855877.25	0.01439	4.24E-04	4.33E-04	4.32E-04
4163	472863.09, 3855877.25	0.01459	4.30E-04	4.39E-04	4.38E-04
4164	473363.09, 3855877.25	0.01598	4.71E-04	4.80E-04	4.80E-04
4165	473863.09, 3855877.25	0.01693	4.99E-04	5.09E-04	5.08E-04
4166	474363.09, 3855877.25	0.01743	5.14E-04	5.24E-04	5.23E-04
4167	474863.09, 3855877.25	0.01395	4.11E-04	4.19E-04	4.19E-04
4168	475363.09, 3855877.25	0.008	2.36E-04	2.41E-04	2.40E-04
4169	475863.09, 3855877.25	0.00232	6.84E-05	6.98E-05	6.97E-05
4170	476363.09, 3855877.25	0.00244	7.19E-05	7.34E-05	7.33E-05
4171	476863.09, 3855877.25	0.00437	1.29E-04	1.31E-04	1.31E-04
4172	477363.09, 3855877.25	0.00557	1.64E-04	1.67E-04	1.67E-04
4173	477863.09, 3855877.25	0.00714	2.10E-04	2.15E-04	2.14E-04
4174	478363.09, 3855877.25	0.00948	2.79E-04	2.85E-04	2.85E-04
4175	478863.09, 3855877.25	0.01255	3.70E-04	3.77E-04	3.77E-04
4176	479363.09, 3855877.25	0.0164	4.83E-04	4.93E-04	4.93E-04
4177	479863.09, 3855877.25	0.0196	5.78E-04	5.89E-04	5.89E-04
4178	480363.09, 3855877.25	0.02378	7.01E-04	7.15E-04	7.14E-04
4179	480863.09, 3855877.25	0.02821	8.31E-04	8.48E-04	8.47E-04
4180	481363.09, 3855877.25	0.02806	8.27E-04	8.44E-04	8.43E-04
4181	481863.09, 3855877.25	0.03325	9.80E-04	1.00E-03	9.99E-04
4182	482363.09, 3855877.25	0.03333	9.82E-04	1.00E-03	1.00E-03
4183	482863.09, 3855877.25	0.03356	9.89E-04	1.01E-03	1.01E-03
4184	483363.09, 3855877.25	0.03418	1.01E-03	1.03E-03	1.03E-03
4185	483863.09, 3855877.25	0.03412	1.01E-03	1.03E-03	1.02E-03
4186	484363.09, 3855877.25	0.03504	1.03E-03	1.05E-03	1.05E-03
4187	484863.09, 3855877.25	0.03504	1.03E-03	1.05E-03	1.05E-03
4188	485363.09, 3855877.25	0.03449	1.02E-03	1.04E-03	1.04E-03
4189	485863.09, 3855877.25	0.03452	1.02E-03	1.04E-03	1.04E-03
4190	486363.09, 3855877.25	0.03228	9.51E-04	9.71E-04	9.69E-04
4191	486863.09, 3855877.25	0.03129	9.22E-04	9.41E-04	9.40E-04
4192	487363.09, 3855877.25	0.03206	9.45E-04	9.64E-04	9.63E-04
4193	487863.09, 3855877.25	0.03259	9.60E-04	9.80E-04	9.79E-04
4194	488363.09, 3855877.25	0.03334	9.82E-04	1.00E-03	1.00E-03
4195	488863.09, 3855877.25	0.03379	9.96E-04	1.02E-03	1.01E-03
4196	489363.09, 3855877.25	0.03319	9.78E-04	9.98E-04	9.97E-04
4197	489863.09, 3855877.25	0.03214	9.47E-04	9.66E-04	9.65E-04
4198	490363.09, 3855877.25	0.03117	9.18E-04	9.37E-04	9.36E-04
4199	490863.09, 3855877.25	0.02952	8.70E-04	8.88E-04	8.87E-04
4200	491363.09, 3855877.25	0.02699	7.95E-04	8.12E-04	8.11E-04
4201	491863.09, 3855877.25	0.02814	8.29E-04	8.46E-04	8.45E-04
4202	492363.09, 3855877.25	0.02703	7.96E-04	8.13E-04	8.12E-04
4203	492863.09, 3855877.25	0.0261	7.69E-04	7.85E-04	7.84E-04
4204	493363.09, 3855877.25	0.02274	6.70E-04	6.84E-04	6.83E-04
4205	493863.09, 3855877.25	0.01828	5.39E-04	5.50E-04	5.49E-04

4206	494363.09, 3855877.25	0.01392	4.10E-04	4.19E-04	4.18E-04
4207	494863.09, 3855877.25	0.01101	3.24E-04	3.31E-04	3.31E-04
4208	495363.09, 3855877.25	0.00827	2.44E-04	2.49E-04	2.48E-04
4209	495863.09, 3855877.25	0.00837	2.47E-04	2.52E-04	2.51E-04
4210	496363.09, 3855877.25	0.0086	2.53E-04	2.59E-04	2.58E-04
4211	496863.09, 3855877.25	0.00925	2.73E-04	2.78E-04	2.78E-04
4212	497363.09, 3855877.25	0.01	2.95E-04	3.01E-04	3.00E-04
4213	497863.09, 3855877.25	0.01097	3.23E-04	3.30E-04	3.29E-04
4214	498363.09, 3855877.25	0.01281	3.77E-04	3.85E-04	3.85E-04
4215	471363.09, 3856377.25	0.01216	3.58E-04	3.66E-04	3.65E-04
4216	471863.09, 3856377.25	0.01263	3.72E-04	3.80E-04	3.79E-04
4217	472363.09, 3856377.25	0.01345	3.96E-04	4.04E-04	4.04E-04
4218	472863.09, 3856377.25	0.01436	4.23E-04	4.32E-04	4.31E-04
4219	473363.09, 3856377.25	0.01512	4.46E-04	4.55E-04	4.54E-04
4220	473863.09, 3856377.25	0.01641	4.84E-04	4.93E-04	4.93E-04
4221	474363.09, 3856377.25	0.01607	4.74E-04	4.83E-04	4.83E-04
4222	474863.09, 3856377.25	0.01501	4.42E-04	4.51E-04	4.51E-04
4223	475363.09, 3856377.25	0.01194	3.52E-04	3.59E-04	3.59E-04
4224	475863.09, 3856377.25	0.00752	2.22E-04	2.26E-04	2.26E-04
4225	476363.09, 3856377.25	0.00673	1.98E-04	2.02E-04	2.02E-04
4226	476863.09, 3856377.25	0.00668	1.97E-04	2.01E-04	2.01E-04
4227	477363.09, 3856377.25	0.00697	2.05E-04	2.10E-04	2.09E-04
4228	477863.09, 3856377.25	0.00488	1.44E-04	1.47E-04	1.47E-04
4229	478363.09, 3856377.25	0.0039	1.15E-04	1.17E-04	1.17E-04
4230	478863.09, 3856377.25	0.00933	2.75E-04	2.81E-04	2.80E-04
4231	479363.09, 3856377.25	0.01207	3.56E-04	3.63E-04	3.62E-04
4232	479863.09, 3856377.25	0.01799	5.30E-04	5.41E-04	5.40E-04
4233	480363.09, 3856377.25	0.02307	6.80E-04	6.94E-04	6.93E-04
4234	480863.09, 3856377.25	0.02599	7.66E-04	7.81E-04	7.81E-04
4235	481363.09, 3856377.25	0.02789	8.22E-04	8.39E-04	8.38E-04
4236	481863.09, 3856377.25	0.02901	8.55E-04	8.72E-04	8.71E-04
4237	482363.09, 3856377.25	0.02878	8.48E-04	8.65E-04	8.64E-04
4238	482863.09, 3856377.25	0.02886	8.50E-04	8.68E-04	8.67E-04
4239	483363.09, 3856377.25	0.02946	8.68E-04	8.86E-04	8.85E-04
4240	483863.09, 3856377.25	0.02995	8.83E-04	9.01E-04	8.99E-04
4241	484363.09, 3856377.25	0.03068	9.04E-04	9.22E-04	9.21E-04
4242	484863.09, 3856377.25	0.03156	9.30E-04	9.49E-04	9.48E-04
4243	485363.09, 3856377.25	0.03175	9.36E-04	9.55E-04	9.54E-04
4244	485863.09, 3856377.25	0.03126	9.21E-04	9.40E-04	9.39E-04
4245	486363.09, 3856377.25	0.03069	9.04E-04	9.23E-04	9.22E-04
4246	486863.09, 3856377.25	0.03017	8.89E-04	9.07E-04	9.06E-04
4247	487363.09, 3856377.25	0.03014	8.88E-04	9.06E-04	9.05E-04
4248	487863.09, 3856377.25	0.03046	8.98E-04	9.16E-04	9.15E-04
4249	488363.09, 3856377.25	0.03034	8.94E-04	9.12E-04	9.11E-04
4250	488863.09, 3856377.25	0.03109	9.16E-04	9.35E-04	9.34E-04
4251	489363.09, 3856377.25	0.03122	9.20E-04	9.39E-04	9.38E-04
4252	489863.09, 3856377.25	0.03086	9.09E-04	9.28E-04	9.27E-04
4253	490363.09, 3856377.25	0.03008	8.86E-04	9.04E-04	9.03E-04
4254	490863.09, 3856377.25	0.02895	8.53E-04	8.70E-04	8.69E-04
4255	491363.09, 3856377.25	0.02797	8.24E-04	8.41E-04	8.40E-04
4256	491863.09, 3856377.25	0.0269	7.93E-04	8.09E-04	8.08E-04
4257	492363.09, 3856377.25	0.02554	7.53E-04	7.68E-04	7.67E-04
4258	492863.09, 3856377.25	0.02328	6.86E-04	7.00E-04	6.99E-04
4259	493363.09, 3856377.25	0.01787	5.27E-04	5.37E-04	5.37E-04
4260	493863.09, 3856377.25	0.01506	4.44E-04	4.53E-04	4.52E-04
4261	494363.09, 3856377.25	0.01163	3.43E-04	3.50E-04	3.49E-04
4262	494863.09, 3856377.25	0.00932	2.75E-04	2.80E-04	2.80E-04
4263	495363.09, 3856377.25	0.00814	2.40E-04	2.45E-04	2.44E-04
4264	495863.09, 3856377.25	0.00827	2.44E-04	2.49E-04	2.48E-04
4265	496363.09, 3856377.25	0.00878	2.59E-04	2.64E-04	2.64E-04
4266	496863.09, 3856377.25	0.00988	2.91E-04	2.97E-04	2.97E-04

4267	497363.09, 3856377.25	0.01095	3.23E-04	3.29E-04	3.29E-04
4268	497863.09, 3856377.25	0.01244	3.67E-04	3.74E-04	3.74E-04
4269	498363.09, 3856377.25	0.0143	4.21E-04	4.30E-04	4.29E-04
4270	471363.09, 3856877.25	0.01187	3.50E-04	3.57E-04	3.56E-04
4271	471863.09, 3856877.25	0.0122	3.59E-04	3.67E-04	3.66E-04
4272	472363.09, 3856877.25	0.01286	3.79E-04	3.87E-04	3.86E-04
4273	472863.09, 3856877.25	0.01346	3.97E-04	4.05E-04	4.04E-04
4274	473363.09, 3856877.25	0.01459	4.30E-04	4.39E-04	4.38E-04
4275	473863.09, 3856877.25	0.01523	4.49E-04	4.58E-04	4.57E-04
4276	474363.09, 3856877.25	0.01486	4.38E-04	4.47E-04	4.46E-04
4277	474863.09, 3856877.25	0.01391	4.10E-04	4.18E-04	4.18E-04
4278	475363.09, 3856877.25	0.01186	3.49E-04	3.57E-04	3.56E-04
4279	475863.09, 3856877.25	0.01158	3.41E-04	3.48E-04	3.48E-04
4280	476363.09, 3856877.25	0.00982	2.89E-04	2.95E-04	2.95E-04
4281	476863.09, 3856877.25	0.00918	2.71E-04	2.76E-04	2.76E-04
4282	477363.09, 3856877.25	0.00764	2.25E-04	2.30E-04	2.29E-04
4283	477863.09, 3856877.25	0.00439	1.29E-04	1.32E-04	1.32E-04
4284	478363.09, 3856877.25	0.00349	1.03E-04	1.05E-04	1.05E-04
4285	478863.09, 3856877.25	0.00466	1.37E-04	1.40E-04	1.40E-04
4286	479363.09, 3856877.25	0.00665	1.96E-04	2.00E-04	2.00E-04
4287	479863.09, 3856877.25	0.01568	4.62E-04	4.71E-04	4.71E-04
4288	480363.09, 3856877.25	0.02058	6.06E-04	6.19E-04	6.18E-04
4289	480863.09, 3856877.25	0.02391	7.05E-04	7.19E-04	7.18E-04
4290	481363.09, 3856877.25	0.02545	7.50E-04	7.65E-04	7.64E-04
4291	481863.09, 3856877.25	0.02631	7.75E-04	7.91E-04	7.90E-04
4292	482363.09, 3856877.25	0.02624	7.73E-04	7.89E-04	7.88E-04
4293	482863.09, 3856877.25	0.02614	7.70E-04	7.86E-04	7.85E-04
4294	483363.09, 3856877.25	0.0265	7.81E-04	7.97E-04	7.96E-04
4295	483863.09, 3856877.25	0.02684	7.91E-04	8.07E-04	8.06E-04
4296	484363.09, 3856877.25	0.02733	8.05E-04	8.22E-04	8.21E-04
4297	484863.09, 3856877.25	0.02856	8.42E-04	8.59E-04	8.58E-04
4298	485363.09, 3856877.25	0.02997	8.83E-04	9.01E-04	9.00E-04
4299	485863.09, 3856877.25	0.03055	9.00E-04	9.19E-04	9.17E-04
4300	486363.09, 3856877.25	0.0286	8.43E-04	8.60E-04	8.59E-04
4301	486863.09, 3856877.25	0.0299	8.81E-04	8.99E-04	8.98E-04
4302	487363.09, 3856877.25	0.03071	9.05E-04	9.23E-04	9.22E-04
4303	487863.09, 3856877.25	0.03116	9.18E-04	9.37E-04	9.36E-04
4304	488363.09, 3856877.25	0.03089	9.10E-04	9.29E-04	9.28E-04
4305	488863.09, 3856877.25	0.03043	8.97E-04	9.15E-04	9.14E-04
4306	489363.09, 3856877.25	0.03039	8.95E-04	9.14E-04	9.13E-04
4307	489863.09, 3856877.25	0.03016	8.89E-04	9.07E-04	9.06E-04
4308	490363.09, 3856877.25	0.0295	8.69E-04	8.87E-04	8.86E-04
4309	490863.09, 3856877.25	0.02906	8.56E-04	8.74E-04	8.73E-04
4310	491363.09, 3856877.25	0.02817	8.30E-04	8.47E-04	8.46E-04
4311	491863.09, 3856877.25	0.02723	8.02E-04	8.19E-04	8.18E-04
4312	492363.09, 3856877.25	0.02413	7.11E-04	7.26E-04	7.25E-04
4313	492863.09, 3856877.25	0.02143	6.31E-04	6.44E-04	6.44E-04
4314	493363.09, 3856877.25	0.01794	5.29E-04	5.39E-04	5.39E-04
4315	493863.09, 3856877.25	0.01379	4.06E-04	4.15E-04	4.14E-04
4316	494363.09, 3856877.25	0.01077	3.17E-04	3.24E-04	3.23E-04
4317	494863.09, 3856877.25	0.00981	2.89E-04	2.95E-04	2.95E-04
4318	495363.09, 3856877.25	0.0095	2.80E-04	2.86E-04	2.85E-04
4319	495863.09, 3856877.25	0.00987	2.91E-04	2.97E-04	2.96E-04
4320	496363.09, 3856877.25	0.01035	3.05E-04	3.11E-04	3.11E-04
4321	496863.09, 3856877.25	0.01116	3.29E-04	3.36E-04	3.35E-04
4322	497363.09, 3856877.25	0.01235	3.64E-04	3.71E-04	3.71E-04
4323	497863.09, 3856877.25	0.01446	4.26E-04	4.35E-04	4.34E-04
4324	498363.09, 3856877.25	0.01694	4.99E-04	5.09E-04	5.09E-04
4325	471363.09, 3857377.25	0.0116	3.42E-04	3.49E-04	3.48E-04
4326	471863.09, 3857377.25	0.01186	3.49E-04	3.57E-04	3.56E-04
4327	472363.09, 3857377.25	0.01232	3.63E-04	3.70E-04	3.70E-04

4328	472863.09, 3857377.25	0.01288	3.80E-04	3.87E-04	3.87E-04
4329	473363.09, 3857377.25	0.01363	4.02E-04	4.10E-04	4.09E-04
4330	473863.09, 3857377.25	0.01455	4.29E-04	4.37E-04	4.37E-04
4331	474363.09, 3857377.25	0.01386	4.08E-04	4.17E-04	4.16E-04
4332	474863.09, 3857377.25	0.01102	3.25E-04	3.31E-04	3.31E-04
4333	475363.09, 3857377.25	0.00736	2.17E-04	2.21E-04	2.21E-04
4334	475863.09, 3857377.25	0.00653	1.92E-04	1.96E-04	1.96E-04
4335	476363.09, 3857377.25	0.00865	2.55E-04	2.60E-04	2.60E-04
4336	476863.09, 3857377.25	0.00902	2.66E-04	2.71E-04	2.71E-04
4337	477363.09, 3857377.25	0.00758	2.23E-04	2.28E-04	2.28E-04
4338	477863.09, 3857377.25	0.00512	1.51E-04	1.54E-04	1.54E-04
4339	478363.09, 3857377.25	0.00338	9.96E-05	1.02E-04	1.02E-04
4340	478863.09, 3857377.25	0.00263	7.75E-05	7.91E-05	7.90E-05
4341	479363.09, 3857377.25	0.00479	1.41E-04	1.44E-04	1.44E-04
4342	479863.09, 3857377.25	0.01302	3.84E-04	3.91E-04	3.91E-04
4343	480363.09, 3857377.25	0.01067	3.14E-04	3.21E-04	3.20E-04
4344	480863.09, 3857377.25	0.02186	6.44E-04	6.57E-04	6.57E-04
4345	481363.09, 3857377.25	0.02185	6.44E-04	6.57E-04	6.56E-04
4346	481863.09, 3857377.25	0.02316	6.82E-04	6.96E-04	6.96E-04
4347	482363.09, 3857377.25	0.02426	7.15E-04	7.29E-04	7.29E-04
4348	482863.09, 3857377.25	0.02453	7.23E-04	7.38E-04	7.37E-04
4349	483363.09, 3857377.25	0.02505	7.38E-04	7.53E-04	7.52E-04
4350	483863.09, 3857377.25	0.02562	7.55E-04	7.70E-04	7.69E-04
4351	484363.09, 3857377.25	0.02583	7.61E-04	7.77E-04	7.76E-04
4352	484863.09, 3857377.25	0.02645	7.79E-04	7.95E-04	7.94E-04
4353	485363.09, 3857377.25	0.02757	8.12E-04	8.29E-04	8.28E-04
4354	485863.09, 3857377.25	0.02928	8.63E-04	8.80E-04	8.79E-04
4355	486363.09, 3857377.25	0.03117	9.18E-04	9.37E-04	9.36E-04
4356	486863.09, 3857377.25	0.03007	8.86E-04	9.04E-04	9.03E-04
4357	487363.09, 3857377.25	0.03209	9.46E-04	9.65E-04	9.64E-04
4358	487863.09, 3857377.25	0.03426	1.01E-03	1.03E-03	1.03E-03
4359	488363.09, 3857377.25	0.03482	1.03E-03	1.05E-03	1.05E-03
4360	488863.09, 3857377.25	0.03473	1.02E-03	1.04E-03	1.04E-03
4361	489363.09, 3857377.25	0.03302	9.73E-04	9.93E-04	9.92E-04
4362	489863.09, 3857377.25	0.03158	9.31E-04	9.50E-04	9.48E-04
4363	490363.09, 3857377.25	0.03082	9.08E-04	9.27E-04	9.26E-04
4364	490863.09, 3857377.25	0.03065	9.03E-04	9.22E-04	9.20E-04
4365	491363.09, 3857377.25	0.0309	9.11E-04	9.29E-04	9.28E-04
4366	491863.09, 3857377.25	0.02982	8.79E-04	8.97E-04	8.96E-04
4367	492363.09, 3857377.25	0.0254	7.48E-04	7.64E-04	7.63E-04
4368	492863.09, 3857377.25	0.02117	6.24E-04	6.37E-04	6.36E-04
4369	493363.09, 3857377.25	0.01649	4.86E-04	4.96E-04	4.95E-04
4370	493863.09, 3857377.25	0.01491	4.39E-04	4.48E-04	4.48E-04
4371	494363.09, 3857377.25	0.01333	3.93E-04	4.01E-04	4.00E-04
4372	494863.09, 3857377.25	0.01293	3.81E-04	3.89E-04	3.88E-04
4373	495363.09, 3857377.25	0.01265	3.73E-04	3.80E-04	3.80E-04
4374	495863.09, 3857377.25	0.01302	3.84E-04	3.91E-04	3.91E-04
4375	496363.09, 3857377.25	0.0135	3.98E-04	4.06E-04	4.05E-04
4376	496863.09, 3857377.25	0.01408	4.15E-04	4.23E-04	4.23E-04
4377	497363.09, 3857377.25	0.0152	4.48E-04	4.57E-04	4.56E-04
4378	497863.09, 3857377.25	0.0169	4.98E-04	5.08E-04	5.08E-04
4379	498363.09, 3857377.25	0.02069	6.10E-04	6.22E-04	6.21E-04
4380	471363.09, 3857877.25	0.01112	3.28E-04	3.34E-04	3.34E-04
4381	471863.09, 3857877.25	0.01143	3.37E-04	3.44E-04	3.43E-04
4382	472363.09, 3857877.25	0.01185	3.49E-04	3.56E-04	3.56E-04
4383	472863.09, 3857877.25	0.01253	3.69E-04	3.77E-04	3.76E-04
4384	473363.09, 3857877.25	0.01297	3.82E-04	3.90E-04	3.90E-04
4385	473863.09, 3857877.25	0.0136	4.01E-04	4.09E-04	4.08E-04
4386	474363.09, 3857877.25	0.0127	3.74E-04	3.82E-04	3.81E-04
4387	474863.09, 3857877.25	0.00982	2.89E-04	2.95E-04	2.95E-04
4388	475363.09, 3857877.25	0.00516	1.52E-04	1.55E-04	1.55E-04

4389	475863.09, 3857877.25	0.0018	5.30E-05	5.41E-05	5.41E-05
4390	476363.09, 3857877.25	0.00569	1.68E-04	1.71E-04	1.71E-04
4391	476863.09, 3857877.25	0.00708	2.09E-04	2.13E-04	2.13E-04
4392	477363.09, 3857877.25	0.00676	1.99E-04	2.03E-04	2.03E-04
4393	477863.09, 3857877.25	0.00623	1.84E-04	1.87E-04	1.87E-04
4394	478363.09, 3857877.25	0.0028	8.25E-05	8.42E-05	8.41E-05
4395	478863.09, 3857877.25	0.00211	6.22E-05	6.34E-05	6.34E-05
4396	479363.09, 3857877.25	0.012	3.54E-04	3.61E-04	3.60E-04
4397	479863.09, 3857877.25	0.0179	5.27E-04	5.38E-04	5.38E-04
4398	480363.09, 3857877.25	0.01964	5.79E-04	5.91E-04	5.90E-04
4399	480863.09, 3857877.25	0.02001	5.90E-04	6.02E-04	6.01E-04
4400	481363.09, 3857877.25	0.02065	6.08E-04	6.21E-04	6.20E-04
4401	481863.09, 3857877.25	0.02132	6.28E-04	6.41E-04	6.40E-04
4402	482363.09, 3857877.25	0.02252	6.64E-04	6.77E-04	6.76E-04
4403	482863.09, 3857877.25	0.02306	6.79E-04	6.93E-04	6.93E-04
4404	483363.09, 3857877.25	0.02381	7.02E-04	7.16E-04	7.15E-04
4405	483863.09, 3857877.25	0.02478	7.30E-04	7.45E-04	7.44E-04
4406	484363.09, 3857877.25	0.02557	7.53E-04	7.69E-04	7.68E-04
4407	484863.09, 3857877.25	0.02658	7.83E-04	7.99E-04	7.98E-04
4408	485363.09, 3857877.25	0.02784	8.20E-04	8.37E-04	8.36E-04
4409	485863.09, 3857877.25	0.029	8.55E-04	8.72E-04	8.71E-04
4410	486363.09, 3857877.25	0.03068	9.04E-04	9.22E-04	9.21E-04
4411	486863.09, 3857877.25	0.03414	1.01E-03	1.03E-03	1.03E-03
4412	487363.09, 3857877.25	0.0381	1.12E-03	1.15E-03	1.14E-03
4413	487863.09, 3857877.25	0.04056	1.20E-03	1.22E-03	1.22E-03
4414	488363.09, 3857877.25	0.04471	1.32E-03	1.34E-03	1.34E-03
4415	488863.09, 3857877.25	0.04631	1.36E-03	1.39E-03	1.39E-03
4416	489363.09, 3857877.25	0.04238	1.25E-03	1.27E-03	1.27E-03
4417	489863.09, 3857877.25	0.03916	1.15E-03	1.18E-03	1.18E-03
4418	490363.09, 3857877.25	0.03865	1.14E-03	1.16E-03	1.16E-03
4419	490863.09, 3857877.25	0.03993	1.18E-03	1.20E-03	1.20E-03
4420	491363.09, 3857877.25	0.03794	1.12E-03	1.14E-03	1.14E-03
4421	491863.09, 3857877.25	0.03457	1.02E-03	1.04E-03	1.04E-03
4422	492363.09, 3857877.25	0.0284	8.37E-04	8.54E-04	8.53E-04
4423	492863.09, 3857877.25	0.02331	6.87E-04	7.01E-04	7.00E-04
4424	493363.09, 3857877.25	0.02149	6.33E-04	6.46E-04	6.45E-04
4425	493863.09, 3857877.25	0.02078	6.12E-04	6.25E-04	6.24E-04
4426	494363.09, 3857877.25	0.02015	5.94E-04	6.06E-04	6.05E-04
4427	494863.09, 3857877.25	0.0184	5.42E-04	5.53E-04	5.53E-04
4428	495363.09, 3857877.25	0.01816	5.35E-04	5.46E-04	5.45E-04
4429	495863.09, 3857877.25	0.01787	5.27E-04	5.37E-04	5.37E-04
4430	496363.09, 3857877.25	0.01836	5.41E-04	5.52E-04	5.51E-04
4431	496863.09, 3857877.25	0.01891	5.57E-04	5.69E-04	5.68E-04
4432	497363.09, 3857877.25	0.01903	5.61E-04	5.72E-04	5.72E-04
4433	497863.09, 3857877.25	0.02156	6.35E-04	6.48E-04	6.48E-04
4434	498363.09, 3857877.25	0.02397	7.06E-04	7.21E-04	7.20E-04
4435	471363.09, 3858377.25	0.01087	3.20E-04	3.27E-04	3.26E-04
4436	471863.09, 3858377.25	0.01116	3.29E-04	3.36E-04	3.35E-04
4437	472363.09, 3858377.25	0.01141	3.36E-04	3.43E-04	3.43E-04
4438	472863.09, 3858377.25	0.01185	3.49E-04	3.56E-04	3.56E-04
4439	473363.09, 3858377.25	0.01261	3.72E-04	3.79E-04	3.79E-04
4440	473863.09, 3858377.25	0.01262	3.72E-04	3.79E-04	3.79E-04
4441	474363.09, 3858377.25	0.01158	3.41E-04	3.48E-04	3.48E-04
4442	474863.09, 3858377.25	0.00965	2.84E-04	2.90E-04	2.90E-04
4443	475363.09, 3858377.25	0.00644	1.90E-04	1.94E-04	1.93E-04
4444	475863.09, 3858377.25	0.00427	1.26E-04	1.28E-04	1.28E-04
4445	476363.09, 3858377.25	0.00462	1.36E-04	1.39E-04	1.39E-04
4446	476863.09, 3858377.25	0.00502	1.48E-04	1.51E-04	1.51E-04
4447	477363.09, 3858377.25	0.0046	1.36E-04	1.38E-04	1.38E-04
4448	477863.09, 3858377.25	0.00628	1.85E-04	1.89E-04	1.89E-04
4449	478363.09, 3858377.25	0.00661	1.95E-04	1.99E-04	1.99E-04

4450	478863.09, 3858377.25	0.00407	1.20E-04	1.22E-04	1.22E-04
4451	479363.09, 3858377.25	0.01186	3.49E-04	3.57E-04	3.56E-04
4452	479863.09, 3858377.25	0.01698	5.00E-04	5.11E-04	5.10E-04
4453	480363.09, 3858377.25	0.01817	5.35E-04	5.46E-04	5.46E-04
4454	480863.09, 3858377.25	0.01845	5.44E-04	5.55E-04	5.54E-04
4455	481363.09, 3858377.25	0.01912	5.63E-04	5.75E-04	5.74E-04
4456	481863.09, 3858377.25	0.01932	5.69E-04	5.81E-04	5.80E-04
4457	482363.09, 3858377.25	0.02011	5.93E-04	6.05E-04	6.04E-04
4458	482863.09, 3858377.25	0.02151	6.34E-04	6.47E-04	6.46E-04
4459	483363.09, 3858377.25	0.0225	6.63E-04	6.77E-04	6.76E-04
4460	483863.09, 3858377.25	0.02356	6.94E-04	7.08E-04	7.08E-04
4461	484363.09, 3858377.25	0.02485	7.32E-04	7.47E-04	7.46E-04
4462	484863.09, 3858377.25	0.02638	7.77E-04	7.93E-04	7.92E-04
4463	485363.09, 3858377.25	0.02844	8.38E-04	8.55E-04	8.54E-04
4464	485863.09, 3858377.25	0.03104	9.15E-04	9.33E-04	9.32E-04
4465	486363.09, 3858377.25	0.03402	1.00E-03	1.02E-03	1.02E-03
4466	486863.09, 3858377.25	0.03741	1.10E-03	1.12E-03	1.12E-03
4467	487363.09, 3858377.25	0.04198	1.24E-03	1.26E-03	1.26E-03
4468	487863.09, 3858377.25	0.0524	1.54E-03	1.58E-03	1.57E-03
4469	488363.09, 3858377.25	0.06748	1.99E-03	2.03E-03	2.03E-03
4470	488863.09, 3858377.25	0.07609	2.24E-03	2.29E-03	2.29E-03
4471	489363.09, 3858377.25	0.07291	2.15E-03	2.19E-03	2.19E-03
4472	489863.09, 3858377.25	0.07251	2.14E-03	2.18E-03	2.18E-03
4473	490363.09, 3858377.25	0.07496	2.21E-03	2.25E-03	2.25E-03
4474	490863.09, 3858377.25	0.07522	2.22E-03	2.26E-03	2.26E-03
4475	491363.09, 3858377.25	0.06472	1.91E-03	1.95E-03	1.94E-03
4476	491863.09, 3858377.25	0.04745	1.40E-03	1.43E-03	1.43E-03
4477	492363.09, 3858377.25	0.03552	1.05E-03	1.07E-03	1.07E-03
4478	492863.09, 3858377.25	0.03884	1.14E-03	1.17E-03	1.17E-03
4479	493363.09, 3858377.25	0.03601	1.06E-03	1.08E-03	1.08E-03
4480	493863.09, 3858377.25	0.03441	1.01E-03	1.03E-03	1.03E-03
4481	494363.09, 3858377.25	0.03194	9.41E-04	9.60E-04	9.59E-04
4482	494863.09, 3858377.25	0.02963	8.73E-04	8.91E-04	8.90E-04
4483	495363.09, 3858377.25	0.0266	7.84E-04	8.00E-04	7.99E-04
4484	495863.09, 3858377.25	0.02577	7.59E-04	7.75E-04	7.74E-04
4485	496363.09, 3858377.25	0.02481	7.31E-04	7.46E-04	7.45E-04
4486	496863.09, 3858377.25	0.02547	7.51E-04	7.66E-04	7.65E-04
4487	497363.09, 3858377.25	0.02524	7.44E-04	7.59E-04	7.58E-04
4488	497863.09, 3858377.25	0.02735	8.06E-04	8.22E-04	8.21E-04
4489	498363.09, 3858377.25	0.03019	8.90E-04	9.08E-04	9.07E-04
4490	471363.09, 3858877.25	0.01048	3.09E-04	3.15E-04	3.15E-04
4491	471863.09, 3858877.25	0.01066	3.14E-04	3.21E-04	3.20E-04
4492	472363.09, 3858877.25	0.01108	3.26E-04	3.33E-04	3.33E-04
4493	472863.09, 3858877.25	0.01144	3.37E-04	3.44E-04	3.44E-04
4494	473363.09, 3858877.25	0.01202	3.54E-04	3.61E-04	3.61E-04
4495	473863.09, 3858877.25	0.01215	3.58E-04	3.65E-04	3.65E-04
4496	474363.09, 3858877.25	0.0115	3.39E-04	3.46E-04	3.45E-04
4497	474863.09, 3858877.25	0.00634	1.87E-04	1.91E-04	1.90E-04
4498	475363.09, 3858877.25	0.00438	1.29E-04	1.32E-04	1.32E-04
4499	475863.09, 3858877.25	0.00498	1.47E-04	1.50E-04	1.50E-04
4500	476363.09, 3858877.25	0.0027	7.96E-05	8.12E-05	8.11E-05
4501	476863.09, 3858877.25	0.00356	1.05E-04	1.07E-04	1.07E-04
4502	477363.09, 3858877.25	0.00365	1.08E-04	1.10E-04	1.10E-04
4503	477863.09, 3858877.25	0.00467	1.38E-04	1.40E-04	1.40E-04
4504	478363.09, 3858877.25	0.00926	2.73E-04	2.78E-04	2.78E-04
4505	478863.09, 3858877.25	0.0078	2.30E-04	2.35E-04	2.34E-04
4506	479363.09, 3858877.25	0.00619	1.82E-04	1.86E-04	1.86E-04
4507	479863.09, 3858877.25	0.01628	4.80E-04	4.90E-04	4.89E-04
4508	480363.09, 3858877.25	0.01696	5.00E-04	5.10E-04	5.09E-04
4509	480863.09, 3858877.25	0.01751	5.16E-04	5.26E-04	5.26E-04
4510	481363.09, 3858877.25	0.01796	5.29E-04	5.40E-04	5.39E-04

4511 481863.09, 3858877.25	0.01826	5.38E-04	5.49E-04	5.48E-04
4512 482363.09, 3858877.25	0.01867	5.50E-04	5.61E-04	5.61E-04
4513 482863.09, 3858877.25	0.0194	5.72E-04	5.83E-04	5.83E-04
4514 483363.09, 3858877.25	0.02097	6.18E-04	6.31E-04	6.30E-04
4515 483863.09, 3858877.25	0.02208	6.51E-04	6.64E-04	6.63E-04
4516 484363.09, 3858877.25	0.02347	6.92E-04	7.06E-04	7.05E-04
4517 484863.09, 3858877.25	0.02515	7.41E-04	7.56E-04	7.55E-04
4518 485363.09, 3858877.25	0.02748	8.10E-04	8.26E-04	8.25E-04
4519 485863.09, 3858877.25	0.03082	9.08E-04	9.27E-04	9.26E-04
4520 486363.09, 3858877.25	0.03507	1.03E-03	1.05E-03	1.05E-03
4521 486863.09, 3858877.25	0.04125	1.22E-03	1.24E-03	1.24E-03
4522 487363.09, 3858877.25	0.05165	1.52E-03	1.55E-03	1.55E-03
4523 487863.09, 3858877.25	0.06922	2.04E-03	2.08E-03	2.08E-03
4524 488363.09, 3858877.25	0.11598	3.42E-03	3.49E-03	3.48E-03
4525 488863.09, 3858877.25	0.5422	1.60E-02	1.63E-02	1.63E-02
4526 489363.09, 3858877.25	0.51315	1.51E-02	1.54E-02	1.54E-02
4527 489863.09, 3858877.25	0.3302	9.73E-03	9.93E-03	9.92E-03
4528 490363.09, 3858877.25	0.23195	6.83E-03	6.97E-03	6.97E-03
4529 490863.09, 3858877.25	0.15256	4.50E-03	4.59E-03	4.58E-03
4530 491363.09, 3858877.25	0.09749	2.87E-03	2.93E-03	2.93E-03
4531 491863.09, 3858877.25	0.06825	2.01E-03	2.05E-03	2.05E-03
4532 492363.09, 3858877.25	0.07305	2.15E-03	2.20E-03	2.19E-03
4533 492863.09, 3858877.25	0.08134	2.40E-03	2.45E-03	2.44E-03
4534 493363.09, 3858877.25	0.07029	2.07E-03	2.11E-03	2.11E-03
4535 493863.09, 3858877.25	0.057	1.68E-03	1.71E-03	1.71E-03
4536 494363.09, 3858877.25	0.05167	1.52E-03	1.55E-03	1.55E-03
4537 494863.09, 3858877.25	0.04617	1.36E-03	1.39E-03	1.39E-03
4538 495363.09, 3858877.25	0.04091	1.21E-03	1.23E-03	1.23E-03
4539 495863.09, 3858877.25	0.03767	1.11E-03	1.13E-03	1.13E-03
4540 496363.09, 3858877.25	0.03569	1.05E-03	1.07E-03	1.07E-03
4541 496863.09, 3858877.25	0.03387	9.98E-04	1.02E-03	1.02E-03
4542 497363.09, 3858877.25	0.0322	9.49E-04	9.68E-04	9.67E-04
4543 497863.09, 3858877.25	0.03442	1.01E-03	1.03E-03	1.03E-03
4544 498363.09, 3858877.25	0.0369	1.09E-03	1.11E-03	1.11E-03
4545 471363.09, 3859377.25	0.00993	2.93E-04	2.99E-04	2.98E-04
4546 471863.09, 3859377.25	0.01019	3.00E-04	3.06E-04	3.06E-04
4547 472363.09, 3859377.25	0.0106	3.12E-04	3.19E-04	3.18E-04
4548 472863.09, 3859377.25	0.01097	3.23E-04	3.30E-04	3.29E-04
4549 473363.09, 3859377.25	0.0114	3.36E-04	3.43E-04	3.42E-04
4550 473863.09, 3859377.25	0.01167	3.44E-04	3.51E-04	3.50E-04
4551 474363.09, 3859377.25	0.01102	3.25E-04	3.31E-04	3.31E-04
4552 474863.09, 3859377.25	0.00891	2.63E-04	2.68E-04	2.68E-04
4553 475363.09, 3859377.25	0.00607	1.79E-04	1.83E-04	1.82E-04
4554 475863.09, 3859377.25	0.00365	1.08E-04	1.10E-04	1.10E-04
4555 476363.09, 3859377.25	0.0031	9.13E-05	9.32E-05	9.31E-05
4556 476863.09, 3859377.25	0.00233	6.87E-05	7.01E-05	7.00E-05
4557 477363.09, 3859377.25	0.00256	7.54E-05	7.70E-05	7.69E-05
4558 477863.09, 3859377.25	0.00534	1.57E-04	1.61E-04	1.60E-04
4559 478363.09, 3859377.25	0.00805	2.37E-04	2.42E-04	2.42E-04
4560 478863.09, 3859377.25	0.01104	3.25E-04	3.32E-04	3.32E-04
4561 479363.09, 3859377.25	0.01317	3.88E-04	3.96E-04	3.96E-04
4562 479863.09, 3859377.25	0.01455	4.29E-04	4.37E-04	4.37E-04
4563 480363.09, 3859377.25	0.01559	4.59E-04	4.69E-04	4.68E-04
4564 480863.09, 3859377.25	0.01633	4.81E-04	4.91E-04	4.90E-04
4565 481363.09, 3859377.25	0.01681	4.95E-04	5.05E-04	5.05E-04
4566 481863.09, 3859377.25	0.01717	5.06E-04	5.16E-04	5.16E-04
4567 482363.09, 3859377.25	0.01762	5.19E-04	5.30E-04	5.29E-04
4568 482863.09, 3859377.25	0.01834	5.40E-04	5.51E-04	5.51E-04
4569 483363.09, 3859377.25	0.0196	5.78E-04	5.89E-04	5.89E-04
4570 483863.09, 3859377.25	0.02074	6.11E-04	6.24E-04	6.23E-04
4571 484363.09, 3859377.25	0.02214	6.52E-04	6.66E-04	6.65E-04

4572	484863.09, 3859377.25	0.02384	7.02E-04	7.17E-04	7.16E-04
4573	485363.09, 3859377.25	0.02608	7.68E-04	7.84E-04	7.83E-04
4574	485863.09, 3859377.25	0.02924	8.62E-04	8.79E-04	8.78E-04
4575	486363.09, 3859377.25	0.03373	9.94E-04	1.01E-03	1.01E-03
4576	486863.09, 3859377.25	0.04005	1.18E-03	1.20E-03	1.20E-03
4577	487363.09, 3859377.25	0.05042	1.49E-03	1.52E-03	1.51E-03
4578	487863.09, 3859377.25	0.0711	2.10E-03	2.14E-03	2.14E-03
4579	488363.09, 3859377.25	0.11196	3.30E-03	3.37E-03	3.36E-03
4580	488863.09, 3859377.25	0.22568	6.65E-03	6.79E-03	6.78E-03
4581	489363.09, 3859377.25	0.60889	1.79E-02	1.83E-02	1.83E-02
4582	489863.09, 3859377.25	2.1193	6.24E-02	6.37E-02	6.36E-02
4583	490363.09, 3859377.25	0.72957	2.15E-02	2.19E-02	2.19E-02
4584	490863.09, 3859377.25	0.35826	1.06E-02	1.08E-02	1.08E-02
4585	491363.09, 3859377.25	0.17791	5.24E-03	5.35E-03	5.34E-03
4586	491863.09, 3859377.25	0.18884	5.56E-03	5.68E-03	5.67E-03
4587	492363.09, 3859377.25	0.16089	4.74E-03	4.84E-03	4.83E-03
4588	492863.09, 3859377.25	0.14386	4.24E-03	4.33E-03	4.32E-03
4589	493363.09, 3859377.25	0.11385	3.35E-03	3.42E-03	3.42E-03
4590	493863.09, 3859377.25	0.10013	2.95E-03	3.01E-03	3.01E-03
4591	494363.09, 3859377.25	0.08493	2.50E-03	2.55E-03	2.55E-03
4592	494863.09, 3859377.25	0.0668	1.97E-03	2.01E-03	2.01E-03
4593	495363.09, 3859377.25	0.06009	1.77E-03	1.81E-03	1.80E-03
4594	495863.09, 3859377.25	0.05268	1.55E-03	1.58E-03	1.58E-03
4595	496363.09, 3859377.25	0.04943	1.46E-03	1.49E-03	1.48E-03
4596	496863.09, 3859377.25	0.0425	1.25E-03	1.28E-03	1.28E-03
4597	497363.09, 3859377.25	0.04177	1.23E-03	1.26E-03	1.25E-03
4598	497863.09, 3859377.25	0.04343	1.28E-03	1.31E-03	1.30E-03
4599	498363.09, 3859377.25	0.04423	1.30E-03	1.33E-03	1.33E-03
4600	471363.09, 3859877.25	0.00945	2.78E-04	2.84E-04	2.84E-04
4601	471863.09, 3859877.25	0.00976	2.88E-04	2.93E-04	2.93E-04
4602	472363.09, 3859877.25	0.01003	2.96E-04	3.02E-04	3.01E-04
4603	472863.09, 3859877.25	0.01042	3.07E-04	3.13E-04	3.13E-04
4604	473363.09, 3859877.25	0.01078	3.18E-04	3.24E-04	3.24E-04
4605	473863.09, 3859877.25	0.01108	3.26E-04	3.33E-04	3.33E-04
4606	474363.09, 3859877.25	0.01076	3.17E-04	3.24E-04	3.23E-04
4607	474863.09, 3859877.25	0.00979	2.88E-04	2.94E-04	2.94E-04
4608	475363.09, 3859877.25	0.00692	2.04E-04	2.08E-04	2.08E-04
4609	475863.09, 3859877.25	0.00349	1.03E-04	1.05E-04	1.05E-04
4610	476363.09, 3859877.25	0.00186	5.48E-05	5.59E-05	5.59E-05
4611	476863.09, 3859877.25	0.00222	6.54E-05	6.68E-05	6.67E-05
4612	477363.09, 3859877.25	0.00239	7.04E-05	7.19E-05	7.18E-05
4613	477863.09, 3859877.25	0.00473	1.39E-04	1.42E-04	1.42E-04
4614	478363.09, 3859877.25	0.00772	2.27E-04	2.32E-04	2.32E-04
4615	478863.09, 3859877.25	0.01046	3.08E-04	3.15E-04	3.14E-04
4616	479363.09, 3859877.25	0.01268	3.74E-04	3.81E-04	3.81E-04
4617	479863.09, 3859877.25	0.01386	4.08E-04	4.17E-04	4.16E-04
4618	480363.09, 3859877.25	0.01475	4.35E-04	4.44E-04	4.43E-04
4619	480863.09, 3859877.25	0.0154	4.54E-04	4.63E-04	4.63E-04
4620	481363.09, 3859877.25	0.01585	4.67E-04	4.77E-04	4.76E-04
4621	481863.09, 3859877.25	0.01625	4.79E-04	4.89E-04	4.88E-04
4622	482363.09, 3859877.25	0.01683	4.96E-04	5.06E-04	5.05E-04
4623	482863.09, 3859877.25	0.01748	5.15E-04	5.26E-04	5.25E-04
4624	483363.09, 3859877.25	0.01844	5.43E-04	5.54E-04	5.54E-04
4625	483863.09, 3859877.25	0.01976	5.82E-04	5.94E-04	5.93E-04
4626	484363.09, 3859877.25	0.02102	6.19E-04	6.32E-04	6.31E-04
4627	484863.09, 3859877.25	0.02263	6.67E-04	6.80E-04	6.80E-04
4628	485363.09, 3859877.25	0.02475	7.29E-04	7.44E-04	7.43E-04
4629	485863.09, 3859877.25	0.02774	8.17E-04	8.34E-04	8.33E-04
4630	486363.09, 3859877.25	0.03207	9.45E-04	9.64E-04	9.63E-04
4631	486863.09, 3859877.25	0.03871	1.14E-03	1.16E-03	1.16E-03
4632	487363.09, 3859877.25	0.04729	1.39E-03	1.42E-03	1.42E-03

4633	487863.09, 3859877.25	0.06197	1.83E-03	1.86E-03	1.86E-03
4634	488363.09, 3859877.25	0.0845	2.49E-03	2.54E-03	2.54E-03
4635	488863.09, 3859877.25	0.12415	3.66E-03	3.73E-03	3.73E-03
4636	489363.09, 3859877.25	0.18908	5.57E-03	5.69E-03	5.68E-03
4637	489863.09, 3859877.25	0.31711	9.34E-03	9.53E-03	9.52E-03
4638	490363.09, 3859877.25	0.61838	1.82E-02	1.86E-02	1.86E-02
4639	490863.09, 3859877.25	3.0508	8.99E-02	9.17E-02	9.16E-02
4640	491363.09, 3859877.25	0.9772	2.88E-02	2.94E-02	2.93E-02
4641	491863.09, 3859877.25	0.50719	1.49E-02	1.53E-02	1.52E-02
4642	492363.09, 3859877.25	0.34054	1.00E-02	1.02E-02	1.02E-02
4643	492863.09, 3859877.25	0.23595	6.95E-03	7.09E-03	7.09E-03
4644	493363.09, 3859877.25	0.18178	5.36E-03	5.47E-03	5.46E-03
4645	493863.09, 3859877.25	0.14435	4.25E-03	4.34E-03	4.34E-03
4646	494363.09, 3859877.25	0.11342	3.34E-03	3.41E-03	3.41E-03
4647	494863.09, 3859877.25	0.09664	2.85E-03	2.91E-03	2.90E-03
4648	495363.09, 3859877.25	0.08097	2.39E-03	2.43E-03	2.43E-03
4649	495863.09, 3859877.25	0.06845	2.02E-03	2.06E-03	2.06E-03
4650	496363.09, 3859877.25	0.05574	1.64E-03	1.68E-03	1.67E-03
4651	496863.09, 3859877.25	0.04017	1.18E-03	1.21E-03	1.21E-03
4652	497363.09, 3859877.25	0.04436	1.31E-03	1.33E-03	1.33E-03
4653	497863.09, 3859877.25	0.04834	1.42E-03	1.45E-03	1.45E-03
4654	498363.09, 3859877.25	0.04809	1.42E-03	1.45E-03	1.44E-03
4655	471363.09, 3860377.25	0.00905	2.67E-04	2.72E-04	2.72E-04
4656	471863.09, 3860377.25	0.00933	2.75E-04	2.81E-04	2.80E-04
4657	472363.09, 3860377.25	0.00964	2.84E-04	2.90E-04	2.90E-04
4658	472863.09, 3860377.25	0.00997	2.94E-04	3.00E-04	2.99E-04
4659	473363.09, 3860377.25	0.01027	3.03E-04	3.09E-04	3.08E-04
4660	473863.09, 3860377.25	0.01052	3.10E-04	3.16E-04	3.16E-04
4661	474363.09, 3860377.25	0.0106	3.12E-04	3.19E-04	3.18E-04
4662	474863.09, 3860377.25	0.01042	3.07E-04	3.13E-04	3.13E-04
4663	475363.09, 3860377.25	0.00962	2.83E-04	2.89E-04	2.89E-04
4664	475863.09, 3860377.25	0.00851	2.51E-04	2.56E-04	2.56E-04
4665	476363.09, 3860377.25	0.00703	2.07E-04	2.11E-04	2.11E-04
4666	476863.09, 3860377.25	0.00638	1.88E-04	1.92E-04	1.92E-04
4667	477363.09, 3860377.25	0.0039	1.15E-04	1.17E-04	1.17E-04
4668	477863.09, 3860377.25	0.00491	1.45E-04	1.48E-04	1.47E-04
4669	478363.09, 3860377.25	0.00806	2.37E-04	2.42E-04	2.42E-04
4670	478863.09, 3860377.25	0.01016	2.99E-04	3.05E-04	3.05E-04
4671	479363.09, 3860377.25	0.01198	3.53E-04	3.60E-04	3.60E-04
4672	479863.09, 3860377.25	0.01322	3.90E-04	3.97E-04	3.97E-04
4673	480363.09, 3860377.25	0.01403	4.13E-04	4.22E-04	4.21E-04
4674	480863.09, 3860377.25	0.0146	4.30E-04	4.39E-04	4.38E-04
4675	481363.09, 3860377.25	0.01494	4.40E-04	4.49E-04	4.49E-04
4676	481863.09, 3860377.25	0.01543	4.55E-04	4.64E-04	4.63E-04
4677	482363.09, 3860377.25	0.01594	4.70E-04	4.79E-04	4.79E-04
4678	482863.09, 3860377.25	0.01651	4.86E-04	4.96E-04	4.96E-04
4679	483363.09, 3860377.25	0.01746	5.14E-04	5.25E-04	5.24E-04
4680	483863.09, 3860377.25	0.01867	5.50E-04	5.61E-04	5.61E-04
4681	484363.09, 3860377.25	0.02007	5.91E-04	6.03E-04	6.03E-04
4682	484863.09, 3860377.25	0.02171	6.40E-04	6.53E-04	6.52E-04
4683	485363.09, 3860377.25	0.02376	7.00E-04	7.14E-04	7.14E-04
4684	485863.09, 3860377.25	0.0267	7.87E-04	8.03E-04	8.02E-04
4685	486363.09, 3860377.25	0.03042	8.96E-04	9.15E-04	9.14E-04
4686	486863.09, 3860377.25	0.03501	1.03E-03	1.05E-03	1.05E-03
4687	487363.09, 3860377.25	0.04115	1.21E-03	1.24E-03	1.24E-03
4688	487863.09, 3860377.25	0.05107	1.50E-03	1.54E-03	1.53E-03
4689	488363.09, 3860377.25	0.06453	1.90E-03	1.94E-03	1.94E-03
4690	488863.09, 3860377.25	0.08254	2.43E-03	2.48E-03	2.48E-03
4691	489363.09, 3860377.25	0.10557	3.11E-03	3.17E-03	3.17E-03
4692	489863.09, 3860377.25	0.13999	4.12E-03	4.21E-03	4.20E-03
4693	490363.09, 3860377.25	0.18683	5.51E-03	5.62E-03	5.61E-03

4694	490863.09, 3860377.25	0.27573	8.12E-03	8.29E-03	8.28E-03
4695	491363.09, 3860377.25	0.61145	1.80E-02	1.84E-02	1.84E-02
4696	491863.09, 3860377.25	1.22637	3.61E-02	3.69E-02	3.68E-02
4697	492363.09, 3860377.25	0.51704	1.52E-02	1.55E-02	1.55E-02
4698	492863.09, 3860377.25	0.30494	8.99E-03	9.17E-03	9.16E-03
4699	493363.09, 3860377.25	0.20606	6.07E-03	6.20E-03	6.19E-03
4700	493863.09, 3860377.25	0.16	4.71E-03	4.81E-03	4.81E-03
4701	494363.09, 3860377.25	0.12631	3.72E-03	3.80E-03	3.79E-03
4702	494863.09, 3860377.25	0.10676	3.15E-03	3.21E-03	3.21E-03
4703	495363.09, 3860377.25	0.08948	2.64E-03	2.69E-03	2.69E-03
4704	495863.09, 3860377.25	0.07157	2.11E-03	2.15E-03	2.15E-03
4705	496363.09, 3860377.25	0.05765	1.70E-03	1.73E-03	1.73E-03
4706	496863.09, 3860377.25	0.04863	1.43E-03	1.46E-03	1.46E-03
4707	497363.09, 3860377.25	0.04042	1.19E-03	1.22E-03	1.21E-03
4708	497863.09, 3860377.25	0.04416	1.30E-03	1.33E-03	1.33E-03
4709	498363.09, 3860377.25	0.04552	1.34E-03	1.37E-03	1.37E-03
4710	471363.09, 3860877.25	0.00879	2.59E-04	2.64E-04	2.64E-04
4711	471863.09, 3860877.25	0.00906	2.67E-04	2.72E-04	2.72E-04
4712	472363.09, 3860877.25	0.00932	2.75E-04	2.80E-04	2.80E-04
4713	472863.09, 3860877.25	0.00961	2.83E-04	2.89E-04	2.89E-04
4714	473363.09, 3860877.25	0.00986	2.91E-04	2.96E-04	2.96E-04
4715	473863.09, 3860877.25	0.0101	2.98E-04	3.04E-04	3.03E-04
4716	474363.09, 3860877.25	0.01032	3.04E-04	3.10E-04	3.10E-04
4717	474863.09, 3860877.25	0.01052	3.10E-04	3.16E-04	3.16E-04
4718	475363.09, 3860877.25	0.01049	3.09E-04	3.15E-04	3.15E-04
4719	475863.09, 3860877.25	0.0102	3.01E-04	3.07E-04	3.06E-04
4720	476363.09, 3860877.25	0.00948	2.79E-04	2.85E-04	2.85E-04
4721	476863.09, 3860877.25	0.00913	2.69E-04	2.75E-04	2.74E-04
4722	477363.09, 3860877.25	0.00918	2.71E-04	2.76E-04	2.76E-04
4723	477863.09, 3860877.25	0.00828	2.44E-04	2.49E-04	2.49E-04
4724	478363.09, 3860877.25	0.00556	1.64E-04	1.67E-04	1.67E-04
4725	478863.09, 3860877.25	0.00946	2.79E-04	2.84E-04	2.84E-04
4726	479363.09, 3860877.25	0.01142	3.37E-04	3.43E-04	3.43E-04
4727	479863.09, 3860877.25	0.0126	3.71E-04	3.79E-04	3.78E-04
4728	480363.09, 3860877.25	0.01336	3.94E-04	4.02E-04	4.01E-04
4729	480863.09, 3860877.25	0.01378	4.06E-04	4.14E-04	4.14E-04
4730	481363.09, 3860877.25	0.01416	4.17E-04	4.26E-04	4.25E-04
4731	481863.09, 3860877.25	0.0146	4.30E-04	4.39E-04	4.38E-04
4732	482363.09, 3860877.25	0.01517	4.47E-04	4.56E-04	4.56E-04
4733	482863.09, 3860877.25	0.01582	4.66E-04	4.76E-04	4.75E-04
4734	483363.09, 3860877.25	0.01672	4.93E-04	5.03E-04	5.02E-04
4735	483863.09, 3860877.25	0.01793	5.28E-04	5.39E-04	5.38E-04
4736	484363.09, 3860877.25	0.01939	5.71E-04	5.83E-04	5.82E-04
4737	484863.09, 3860877.25	0.02081	6.13E-04	6.26E-04	6.25E-04
4738	485363.09, 3860877.25	0.0228	6.72E-04	6.86E-04	6.85E-04
4739	485863.09, 3860877.25	0.02521	7.43E-04	7.58E-04	7.57E-04
4740	486363.09, 3860877.25	0.02772	8.17E-04	8.33E-04	8.33E-04
4741	486863.09, 3860877.25	0.03121	9.20E-04	9.38E-04	9.37E-04
4742	487363.09, 3860877.25	0.03591	1.06E-03	1.08E-03	1.08E-03
4743	487863.09, 3860877.25	0.04198	1.24E-03	1.26E-03	1.26E-03
4744	488363.09, 3860877.25	0.05122	1.51E-03	1.54E-03	1.54E-03
4745	488863.09, 3860877.25	0.05945	1.75E-03	1.79E-03	1.79E-03
4746	489363.09, 3860877.25	0.07162	2.11E-03	2.15E-03	2.15E-03
4747	489863.09, 3860877.25	0.08155	2.40E-03	2.45E-03	2.45E-03
4748	490363.09, 3860877.25	0.09853	2.90E-03	2.96E-03	2.96E-03
4749	490863.09, 3860877.25	0.1208	3.56E-03	3.63E-03	3.63E-03
4750	491363.09, 3860877.25	0.14515	4.28E-03	4.36E-03	4.36E-03
4751	491863.09, 3860877.25	0.15769	4.65E-03	4.74E-03	4.74E-03
4752	492363.09, 3860877.25	0.15274	4.50E-03	4.59E-03	4.59E-03
4753	492863.09, 3860877.25	0.1482	4.37E-03	4.46E-03	4.45E-03
4754	493363.09, 3860877.25	0.1317	3.88E-03	3.96E-03	3.96E-03

4755 493863.09, 3860877.25	0.11167	3.29E-03	3.36E-03	3.35E-03
4756 494363.09, 3860877.25	0.09634	2.84E-03	2.90E-03	2.89E-03
4757 494863.09, 3860877.25	0.08453	2.49E-03	2.54E-03	2.54E-03
4758 495363.09, 3860877.25	0.0752	2.22E-03	2.26E-03	2.26E-03
4759 495863.09, 3860877.25	0.06715	1.98E-03	2.02E-03	2.02E-03
4760 496363.09, 3860877.25	0.06088	1.79E-03	1.83E-03	1.83E-03
4761 496863.09, 3860877.25	0.05154	1.52E-03	1.55E-03	1.55E-03
4762 497363.09, 3860877.25	0.0476	1.40E-03	1.43E-03	1.43E-03
4763 497863.09, 3860877.25	0.04309	1.27E-03	1.30E-03	1.29E-03
4764 498363.09, 3860877.25	0.04229	1.25E-03	1.27E-03	1.27E-03
4765 471363.09, 3861377.25	0.00856	2.52E-04	2.57E-04	2.57E-04
4766 471863.09, 3861377.25	0.0088	2.59E-04	2.65E-04	2.64E-04
4767 472363.09, 3861377.25	0.00903	2.66E-04	2.72E-04	2.71E-04
4768 472863.09, 3861377.25	0.00928	2.73E-04	2.79E-04	2.79E-04
4769 473363.09, 3861377.25	0.00951	2.80E-04	2.86E-04	2.86E-04
4770 473863.09, 3861377.25	0.00973	2.87E-04	2.93E-04	2.92E-04
4771 474363.09, 3861377.25	0.00998	2.94E-04	3.00E-04	3.00E-04
4772 474863.09, 3861377.25	0.01016	2.99E-04	3.05E-04	3.05E-04
4773 475363.09, 3861377.25	0.01041	3.07E-04	3.13E-04	3.13E-04
4774 475863.09, 3861377.25	0.01049	3.09E-04	3.15E-04	3.15E-04
4775 476363.09, 3861377.25	0.01041	3.07E-04	3.13E-04	3.13E-04
4776 476863.09, 3861377.25	0.01031	3.04E-04	3.10E-04	3.10E-04
4777 477363.09, 3861377.25	0.01027	3.03E-04	3.09E-04	3.08E-04
4778 477863.09, 3861377.25	0.00914	2.69E-04	2.75E-04	2.74E-04
4779 478363.09, 3861377.25	0.00638	1.88E-04	1.92E-04	1.92E-04
4780 478863.09, 3861377.25	0.00733	2.16E-04	2.20E-04	2.20E-04
4781 479363.09, 3861377.25	0.01056	3.11E-04	3.18E-04	3.17E-04
4782 479863.09, 3861377.25	0.01191	3.51E-04	3.58E-04	3.58E-04
4783 480363.09, 3861377.25	0.01276	3.76E-04	3.84E-04	3.83E-04
4784 480863.09, 3861377.25	0.01315	3.87E-04	3.95E-04	3.95E-04
4785 481363.09, 3861377.25	0.01355	3.99E-04	4.07E-04	4.07E-04
4786 481863.09, 3861377.25	0.01405	4.14E-04	4.22E-04	4.22E-04
4787 482363.09, 3861377.25	0.01461	4.31E-04	4.39E-04	4.39E-04
4788 482863.09, 3861377.25	0.01524	4.49E-04	4.58E-04	4.58E-04
4789 483363.09, 3861377.25	0.01609	4.74E-04	4.84E-04	4.83E-04
4790 483863.09, 3861377.25	0.01731	5.10E-04	5.20E-04	5.20E-04
4791 484363.09, 3861377.25	0.01864	5.49E-04	5.60E-04	5.60E-04
4792 484863.09, 3861377.25	0.01993	5.87E-04	5.99E-04	5.99E-04
4793 485363.09, 3861377.25	0.02112	6.22E-04	6.35E-04	6.34E-04
4794 485863.09, 3861377.25	0.0229	6.75E-04	6.89E-04	6.88E-04
4795 486363.09, 3861377.25	0.02497	7.36E-04	7.51E-04	7.50E-04
4796 486863.09, 3861377.25	0.02772	8.17E-04	8.33E-04	8.33E-04
4797 487363.09, 3861377.25	0.03115	9.18E-04	9.37E-04	9.36E-04
4798 487863.09, 3861377.25	0.03523	1.04E-03	1.06E-03	1.06E-03
4799 488363.09, 3861377.25	0.03949	1.16E-03	1.19E-03	1.19E-03
4800 488863.09, 3861377.25	0.04503	1.33E-03	1.35E-03	1.35E-03
4801 489363.09, 3861377.25	0.04984	1.47E-03	1.50E-03	1.50E-03
4802 489863.09, 3861377.25	0.05555	1.64E-03	1.67E-03	1.67E-03
4803 490363.09, 3861377.25	0.06009	1.77E-03	1.81E-03	1.80E-03
4804 490863.09, 3861377.25	0.06587	1.94E-03	1.98E-03	1.98E-03
4805 491363.09, 3861377.25	0.06925	2.04E-03	2.08E-03	2.08E-03
4806 491863.09, 3861377.25	0.0682	2.01E-03	2.05E-03	2.05E-03
4807 492363.09, 3861377.25	0.0689	2.03E-03	2.07E-03	2.07E-03
4808 492863.09, 3861377.25	0.0665	1.96E-03	2.00E-03	2.00E-03
4809 493363.09, 3861377.25	0.06861	2.02E-03	2.06E-03	2.06E-03
4810 493863.09, 3861377.25	0.06701	1.97E-03	2.01E-03	2.01E-03
4811 494363.09, 3861377.25	0.06245	1.84E-03	1.88E-03	1.88E-03
4812 494863.09, 3861377.25	0.05834	1.72E-03	1.75E-03	1.75E-03
4813 495363.09, 3861377.25	0.05439	1.60E-03	1.64E-03	1.63E-03
4814 495863.09, 3861377.25	0.05052	1.49E-03	1.52E-03	1.52E-03
4815 496363.09, 3861377.25	0.04801	1.41E-03	1.44E-03	1.44E-03

4816	496863.09, 3861377.25	0.04581	1.35E-03	1.38E-03	1.38E-03
4817	497363.09, 3861377.25	0.04306	1.27E-03	1.29E-03	1.29E-03
4818	497863.09, 3861377.25	0.04055	1.19E-03	1.22E-03	1.22E-03
4819	498363.09, 3861377.25	0.03843	1.13E-03	1.16E-03	1.15E-03
4820	471363.09, 3861877.25	0.00826	2.43E-04	2.48E-04	2.48E-04
4821	471863.09, 3861877.25	0.00846	2.49E-04	2.54E-04	2.54E-04
4822	472363.09, 3861877.25	0.00867	2.55E-04	2.61E-04	2.60E-04
4823	472863.09, 3861877.25	0.0089	2.62E-04	2.68E-04	2.67E-04
4824	473363.09, 3861877.25	0.00912	2.69E-04	2.74E-04	2.74E-04
4825	473863.09, 3861877.25	0.00933	2.75E-04	2.81E-04	2.80E-04
4826	474363.09, 3861877.25	0.00955	2.81E-04	2.87E-04	2.87E-04
4827	474863.09, 3861877.25	0.00974	2.87E-04	2.93E-04	2.93E-04
4828	475363.09, 3861877.25	0.00992	2.92E-04	2.98E-04	2.98E-04
4829	475863.09, 3861877.25	0.01009	2.97E-04	3.03E-04	3.03E-04
4830	476363.09, 3861877.25	0.01023	3.01E-04	3.08E-04	3.07E-04
4831	476863.09, 3861877.25	0.01028	3.03E-04	3.09E-04	3.09E-04
4832	477363.09, 3861877.25	0.01024	3.02E-04	3.08E-04	3.08E-04
4833	477863.09, 3861877.25	0.00885	2.61E-04	2.66E-04	2.66E-04
4834	478363.09, 3861877.25	0.0054	1.59E-04	1.62E-04	1.62E-04
4835	478863.09, 3861877.25	0.00769	2.27E-04	2.31E-04	2.31E-04
4836	479363.09, 3861877.25	0.00713	2.10E-04	2.14E-04	2.14E-04
4837	479863.09, 3861877.25	0.01128	3.32E-04	3.39E-04	3.39E-04
4838	480363.09, 3861877.25	0.0122	3.59E-04	3.67E-04	3.66E-04
4839	480863.09, 3861877.25	0.01255	3.70E-04	3.77E-04	3.77E-04
4840	481363.09, 3861877.25	0.01292	3.81E-04	3.88E-04	3.88E-04
4841	481863.09, 3861877.25	0.01338	3.94E-04	4.02E-04	4.02E-04
4842	482363.09, 3861877.25	0.01393	4.10E-04	4.19E-04	4.18E-04
4843	482863.09, 3861877.25	0.01462	4.31E-04	4.40E-04	4.39E-04
4844	483363.09, 3861877.25	0.01546	4.56E-04	4.65E-04	4.64E-04
4845	483863.09, 3861877.25	0.01641	4.84E-04	4.93E-04	4.93E-04
4846	484363.09, 3861877.25	0.01737	5.12E-04	5.22E-04	5.22E-04
4847	484863.09, 3861877.25	0.01845	5.44E-04	5.55E-04	5.54E-04
4848	485363.09, 3861877.25	0.01961	5.78E-04	5.90E-04	5.89E-04
4849	485863.09, 3861877.25	0.02076	6.12E-04	6.24E-04	6.23E-04
4850	486363.09, 3861877.25	0.02244	6.61E-04	6.75E-04	6.74E-04
4851	486863.09, 3861877.25	0.02455	7.23E-04	7.38E-04	7.37E-04
4852	487363.09, 3861877.25	0.02709	7.98E-04	8.15E-04	8.14E-04
4853	487863.09, 3861877.25	0.02966	8.74E-04	8.92E-04	8.91E-04
4854	488363.09, 3861877.25	0.03236	9.54E-04	9.73E-04	9.72E-04
4855	488863.09, 3861877.25	0.03506	1.03E-03	1.05E-03	1.05E-03
4856	489363.09, 3861877.25	0.03701	1.09E-03	1.11E-03	1.11E-03
4857	489863.09, 3861877.25	0.0396	1.17E-03	1.19E-03	1.19E-03
4858	490363.09, 3861877.25	0.04145	1.22E-03	1.25E-03	1.24E-03
4859	490863.09, 3861877.25	0.04296	1.27E-03	1.29E-03	1.29E-03
4860	491363.09, 3861877.25	0.04334	1.28E-03	1.30E-03	1.30E-03
4861	491863.09, 3861877.25	0.04336	1.28E-03	1.30E-03	1.30E-03
4862	492363.09, 3861877.25	0.04293	1.26E-03	1.29E-03	1.29E-03
4863	492863.09, 3861877.25	0.04312	1.27E-03	1.30E-03	1.30E-03
4864	493363.09, 3861877.25	0.04174	1.23E-03	1.26E-03	1.25E-03
4865	493863.09, 3861877.25	0.04105	1.21E-03	1.23E-03	1.23E-03
4866	494363.09, 3861877.25	0.04256	1.25E-03	1.28E-03	1.28E-03
4867	494863.09, 3861877.25	0.04209	1.24E-03	1.27E-03	1.26E-03
4868	495363.09, 3861877.25	0.04009	1.18E-03	1.21E-03	1.20E-03
4869	495863.09, 3861877.25	0.03812	1.12E-03	1.15E-03	1.14E-03
4870	496363.09, 3861877.25	0.03656	1.08E-03	1.10E-03	1.10E-03
4871	496863.09, 3861877.25	0.03652	1.08E-03	1.10E-03	1.10E-03
4872	497363.09, 3861877.25	0.03439	1.01E-03	1.03E-03	1.03E-03
4873	497863.09, 3861877.25	0.03268	9.63E-04	9.83E-04	9.81E-04
4874	498363.09, 3861877.25	0.03136	9.24E-04	9.43E-04	9.42E-04
4875	471363.09, 3862377.25	0.0079	2.33E-04	2.38E-04	2.37E-04
4876	471863.09, 3862377.25	0.00808	2.38E-04	2.43E-04	2.43E-04

4877	472363.09, 3862377.25	0.00828	2.44E-04	2.49E-04	2.49E-04
4878	472863.09, 3862377.25	0.00848	2.50E-04	2.55E-04	2.55E-04
4879	473363.09, 3862377.25	0.00869	2.56E-04	2.61E-04	2.61E-04
4880	473863.09, 3862377.25	0.0089	2.62E-04	2.68E-04	2.67E-04
4881	474363.09, 3862377.25	0.0091	2.68E-04	2.74E-04	2.73E-04
4882	474863.09, 3862377.25	0.00923	2.72E-04	2.78E-04	2.77E-04
4883	475363.09, 3862377.25	0.00939	2.77E-04	2.82E-04	2.82E-04
4884	475863.09, 3862377.25	0.00954	2.81E-04	2.87E-04	2.87E-04
4885	476363.09, 3862377.25	0.0097	2.86E-04	2.92E-04	2.91E-04
4886	476863.09, 3862377.25	0.00988	2.91E-04	2.97E-04	2.97E-04
4887	477363.09, 3862377.25	0.00993	2.93E-04	2.99E-04	2.98E-04
4888	477863.09, 3862377.25	0.00905	2.67E-04	2.72E-04	2.72E-04
4889	478363.09, 3862377.25	0.00785	2.31E-04	2.36E-04	2.36E-04
4890	478863.09, 3862377.25	0.00806	2.37E-04	2.42E-04	2.42E-04
4891	479363.09, 3862377.25	0.00892	2.63E-04	2.68E-04	2.68E-04
4892	479863.09, 3862377.25	0.01103	3.25E-04	3.32E-04	3.31E-04
4893	480363.09, 3862377.25	0.01167	3.44E-04	3.51E-04	3.50E-04
4894	480863.09, 3862377.25	0.01198	3.53E-04	3.60E-04	3.60E-04
4895	481363.09, 3862377.25	0.01239	3.65E-04	3.73E-04	3.72E-04
4896	481863.09, 3862377.25	0.01289	3.80E-04	3.88E-04	3.87E-04
4897	482363.09, 3862377.25	0.01344	3.96E-04	4.04E-04	4.04E-04
4898	482863.09, 3862377.25	0.014	4.13E-04	4.21E-04	4.20E-04
4899	483363.09, 3862377.25	0.0146	4.30E-04	4.39E-04	4.38E-04
4900	483863.09, 3862377.25	0.0153	4.51E-04	4.60E-04	4.59E-04
4901	484363.09, 3862377.25	0.01615	4.76E-04	4.86E-04	4.85E-04
4902	484863.09, 3862377.25	0.017	5.01E-04	5.11E-04	5.11E-04
4903	485363.09, 3862377.25	0.01782	5.25E-04	5.36E-04	5.35E-04
4904	485863.09, 3862377.25	0.01887	5.56E-04	5.67E-04	5.67E-04
4905	486363.09, 3862377.25	0.02005	5.91E-04	6.03E-04	6.02E-04
4906	486863.09, 3862377.25	0.02156	6.35E-04	6.48E-04	6.48E-04
4907	487363.09, 3862377.25	0.02329	6.86E-04	7.00E-04	6.99E-04
4908	487863.09, 3862377.25	0.02498	7.36E-04	7.51E-04	7.50E-04
4909	488363.09, 3862377.25	0.02657	7.83E-04	7.99E-04	7.98E-04
4910	488863.09, 3862377.25	0.02821	8.31E-04	8.48E-04	8.47E-04
4911	489363.09, 3862377.25	0.02976	8.77E-04	8.95E-04	8.94E-04
4912	489863.09, 3862377.25	0.03125	9.21E-04	9.40E-04	9.39E-04
4913	490363.09, 3862377.25	0.03238	9.54E-04	9.74E-04	9.72E-04
4914	490863.09, 3862377.25	0.03234	9.53E-04	9.72E-04	9.71E-04
4915	491363.09, 3862377.25	0.032	9.43E-04	9.62E-04	9.61E-04
4916	491863.09, 3862377.25	0.03133	9.23E-04	9.42E-04	9.41E-04
4917	492363.09, 3862377.25	0.03164	9.32E-04	9.51E-04	9.50E-04
4918	492863.09, 3862377.25	0.0321	9.46E-04	9.65E-04	9.64E-04
4919	493363.09, 3862377.25	0.03186	9.39E-04	9.58E-04	9.57E-04
4920	493863.09, 3862377.25	0.03077	9.07E-04	9.25E-04	9.24E-04
4921	494363.09, 3862377.25	0.02955	8.71E-04	8.89E-04	8.87E-04
4922	494863.09, 3862377.25	0.03021	8.90E-04	9.08E-04	9.07E-04
4923	495363.09, 3862377.25	0.03069	9.04E-04	9.23E-04	9.22E-04
4924	495863.09, 3862377.25	0.03009	8.87E-04	9.05E-04	9.04E-04
4925	496363.09, 3862377.25	0.02889	8.51E-04	8.69E-04	8.68E-04
4926	496863.09, 3862377.25	0.0282	8.31E-04	8.48E-04	8.47E-04
4927	497363.09, 3862377.25	0.02701	7.96E-04	8.12E-04	8.11E-04
4928	497863.09, 3862377.25	0.0261	7.69E-04	7.85E-04	7.84E-04
4929	498363.09, 3862377.25	0.02517	7.42E-04	7.57E-04	7.56E-04
4930	471363.09, 3862877.25	0.00754	2.22E-04	2.27E-04	2.26E-04
4931	471863.09, 3862877.25	0.0077	2.27E-04	2.32E-04	2.31E-04
4932	472363.09, 3862877.25	0.00788	2.32E-04	2.37E-04	2.37E-04
4933	472863.09, 3862877.25	0.00807	2.38E-04	2.43E-04	2.42E-04
4934	473363.09, 3862877.25	0.00828	2.44E-04	2.49E-04	2.49E-04
4935	473863.09, 3862877.25	0.00847	2.50E-04	2.55E-04	2.54E-04
4936	474363.09, 3862877.25	0.00865	2.55E-04	2.60E-04	2.60E-04
4937	474863.09, 3862877.25	0.00879	2.59E-04	2.64E-04	2.64E-04

4938	475363.09, 3862877.25	0.00894	2.63E-04	2.69E-04	2.68E-04
4939	475863.09, 3862877.25	0.00909	2.68E-04	2.73E-04	2.73E-04
4940	476363.09, 3862877.25	0.00926	2.73E-04	2.78E-04	2.78E-04
4941	476863.09, 3862877.25	0.00945	2.78E-04	2.84E-04	2.84E-04
4942	477363.09, 3862877.25	0.0096	2.83E-04	2.89E-04	2.88E-04
4943	477863.09, 3862877.25	0.00945	2.78E-04	2.84E-04	2.84E-04
4944	478363.09, 3862877.25	0.00843	2.48E-04	2.53E-04	2.53E-04
4945	478863.09, 3862877.25	0.0086	2.53E-04	2.59E-04	2.58E-04
4946	479363.09, 3862877.25	0.00894	2.63E-04	2.69E-04	2.68E-04
4947	479863.09, 3862877.25	0.01086	3.20E-04	3.27E-04	3.26E-04
4948	480363.09, 3862877.25	0.01123	3.31E-04	3.38E-04	3.37E-04
4949	480863.09, 3862877.25	0.01158	3.41E-04	3.48E-04	3.48E-04
4950	481363.09, 3862877.25	0.01196	3.52E-04	3.60E-04	3.59E-04
4951	481863.09, 3862877.25	0.01238	3.65E-04	3.72E-04	3.72E-04
4952	482363.09, 3862877.25	0.01276	3.76E-04	3.84E-04	3.83E-04
4953	482863.09, 3862877.25	0.01318	3.88E-04	3.96E-04	3.96E-04
4954	483363.09, 3862877.25	0.01368	4.03E-04	4.11E-04	4.11E-04
4955	483863.09, 3862877.25	0.01426	4.20E-04	4.29E-04	4.28E-04
4956	484363.09, 3862877.25	0.01491	4.39E-04	4.48E-04	4.48E-04
4957	484863.09, 3862877.25	0.01546	4.56E-04	4.65E-04	4.64E-04
4958	485363.09, 3862877.25	0.01614	4.76E-04	4.85E-04	4.85E-04
4959	485863.09, 3862877.25	0.01693	4.99E-04	5.09E-04	5.08E-04
4960	486363.09, 3862877.25	0.01795	5.29E-04	5.40E-04	5.39E-04
4961	486863.09, 3862877.25	0.01896	5.59E-04	5.70E-04	5.69E-04
4962	487363.09, 3862877.25	0.02001	5.90E-04	6.02E-04	6.01E-04
4963	487863.09, 3862877.25	0.02116	6.24E-04	6.36E-04	6.35E-04
4964	488363.09, 3862877.25	0.02247	6.62E-04	6.76E-04	6.75E-04
4965	488863.09, 3862877.25	0.02366	6.97E-04	7.11E-04	7.11E-04
4966	489363.09, 3862877.25	0.02455	7.23E-04	7.38E-04	7.37E-04
4967	489863.09, 3862877.25	0.02532	7.46E-04	7.61E-04	7.60E-04
4968	490363.09, 3862877.25	0.02566	7.56E-04	7.72E-04	7.71E-04
4969	490863.09, 3862877.25	0.02546	7.50E-04	7.66E-04	7.65E-04
4970	491363.09, 3862877.25	0.02544	7.50E-04	7.65E-04	7.64E-04
4971	491863.09, 3862877.25	0.02473	7.29E-04	7.44E-04	7.43E-04
4972	492363.09, 3862877.25	0.02493	7.35E-04	7.50E-04	7.49E-04
4973	492863.09, 3862877.25	0.02486	7.33E-04	7.47E-04	7.47E-04
4974	493363.09, 3862877.25	0.02538	7.48E-04	7.63E-04	7.62E-04
4975	493863.09, 3862877.25	0.0253	7.45E-04	7.61E-04	7.60E-04
4976	494363.09, 3862877.25	0.0245	7.22E-04	7.37E-04	7.36E-04
4977	494863.09, 3862877.25	0.02317	6.83E-04	6.97E-04	6.96E-04
4978	495363.09, 3862877.25	0.02292	6.75E-04	6.89E-04	6.88E-04
4979	495863.09, 3862877.25	0.02358	6.95E-04	7.09E-04	7.08E-04
4980	496363.09, 3862877.25	0.02393	7.05E-04	7.20E-04	7.19E-04
4981	496863.09, 3862877.25	0.02346	6.91E-04	7.05E-04	7.05E-04
4982	497363.09, 3862877.25	0.02259	6.66E-04	6.79E-04	6.78E-04
4983	497863.09, 3862877.25	0.02185	6.44E-04	6.57E-04	6.56E-04
4984	498363.09, 3862877.25	0.02132	6.28E-04	6.41E-04	6.40E-04
4985	471363.09, 3863377.25	0.0072	2.12E-04	2.16E-04	2.16E-04
4986	471863.09, 3863377.25	0.00736	2.17E-04	2.21E-04	2.21E-04
4987	472363.09, 3863377.25	0.00754	2.22E-04	2.27E-04	2.26E-04
4988	472863.09, 3863377.25	0.00773	2.28E-04	2.32E-04	2.32E-04
4989	473363.09, 3863377.25	0.00792	2.33E-04	2.38E-04	2.38E-04
4990	473863.09, 3863377.25	0.00811	2.39E-04	2.44E-04	2.44E-04
4991	474363.09, 3863377.25	0.00828	2.44E-04	2.49E-04	2.49E-04
4992	474863.09, 3863377.25	0.00843	2.48E-04	2.53E-04	2.53E-04
4993	475363.09, 3863377.25	0.00858	2.53E-04	2.58E-04	2.58E-04
4994	475863.09, 3863377.25	0.00875	2.58E-04	2.63E-04	2.63E-04
4995	476363.09, 3863377.25	0.00893	2.63E-04	2.69E-04	2.68E-04
4996	476863.09, 3863377.25	0.0091	2.68E-04	2.74E-04	2.73E-04
4997	477363.09, 3863377.25	0.00928	2.73E-04	2.79E-04	2.79E-04
4998	477863.09, 3863377.25	0.00937	2.76E-04	2.82E-04	2.81E-04

4999 478363.09, 3863377.25	0.00908	2.68E-04	2.73E-04	2.73E-04
5000 478863.09, 3863377.25	0.00942	2.78E-04	2.83E-04	2.83E-04
5001 479363.09, 3863377.25	0.0101	2.98E-04	3.04E-04	3.03E-04
5002 479863.09, 3863377.25	0.01055	3.11E-04	3.17E-04	3.17E-04
5003 480363.09, 3863377.25	0.01083	3.19E-04	3.26E-04	3.25E-04
5004 480863.09, 3863377.25	0.01113	3.28E-04	3.35E-04	3.34E-04
5005 481363.09, 3863377.25	0.0114	3.36E-04	3.43E-04	3.42E-04
5006 481863.09, 3863377.25	0.01167	3.44E-04	3.51E-04	3.50E-04
5007 482363.09, 3863377.25	0.01196	3.52E-04	3.60E-04	3.59E-04
5008 482863.09, 3863377.25	0.01227	3.62E-04	3.69E-04	3.68E-04
5009 483363.09, 3863377.25	0.01266	3.73E-04	3.81E-04	3.80E-04
5010 483863.09, 3863377.25	0.0131	3.86E-04	3.94E-04	3.93E-04
5011 484363.09, 3863377.25	0.01354	3.99E-04	4.07E-04	4.07E-04
5012 484863.09, 3863377.25	0.01407	4.15E-04	4.23E-04	4.23E-04
5013 485363.09, 3863377.25	0.01462	4.31E-04	4.40E-04	4.39E-04
5014 485863.09, 3863377.25	0.01524	4.49E-04	4.58E-04	4.58E-04
5015 486363.09, 3863377.25	0.01594	4.70E-04	4.79E-04	4.79E-04
5016 486863.09, 3863377.25	0.01671	4.92E-04	5.02E-04	5.02E-04
5017 487363.09, 3863377.25	0.01752	5.16E-04	5.27E-04	5.26E-04
5018 487863.09, 3863377.25	0.01849	5.45E-04	5.56E-04	5.55E-04
5019 488363.09, 3863377.25	0.01941	5.72E-04	5.84E-04	5.83E-04
5020 488863.09, 3863377.25	0.02024	5.96E-04	6.09E-04	6.08E-04
5021 489363.09, 3863377.25	0.02072	6.11E-04	6.23E-04	6.22E-04
5022 489863.09, 3863377.25	0.02094	6.17E-04	6.30E-04	6.29E-04
5023 490363.09, 3863377.25	0.02102	6.19E-04	6.32E-04	6.31E-04
5024 490863.09, 3863377.25	0.02103	6.20E-04	6.32E-04	6.32E-04
5025 491363.09, 3863377.25	0.02056	6.06E-04	6.18E-04	6.17E-04
5026 491863.09, 3863377.25	0.02031	5.98E-04	6.11E-04	6.10E-04
5027 492363.09, 3863377.25	0.02079	6.13E-04	6.25E-04	6.24E-04
5028 492863.09, 3863377.25	0.0211	6.22E-04	6.34E-04	6.34E-04
5029 493363.09, 3863377.25	0.02137	6.30E-04	6.43E-04	6.42E-04
5030 493863.09, 3863377.25	0.02147	6.33E-04	6.46E-04	6.45E-04
5031 494363.09, 3863377.25	0.02125	6.26E-04	6.39E-04	6.38E-04
5032 494863.09, 3863377.25	0.02073	6.11E-04	6.23E-04	6.23E-04
5033 495363.09, 3863377.25	0.01989	5.86E-04	5.98E-04	5.97E-04
5034 495863.09, 3863377.25	0.0195	5.75E-04	5.86E-04	5.86E-04
5035 496363.09, 3863377.25	0.01919	5.65E-04	5.77E-04	5.76E-04
5036 496863.09, 3863377.25	0.01922	5.66E-04	5.78E-04	5.77E-04
5037 497363.09, 3863377.25	0.01935	5.70E-04	5.82E-04	5.81E-04
5038 497863.09, 3863377.25	0.01906	5.62E-04	5.73E-04	5.72E-04
5039 498363.09, 3863377.25	0.0185	5.45E-04	5.56E-04	5.56E-04
5040 471363.09, 3863877.25	0.00692	2.04E-04	2.08E-04	2.08E-04
5041 471863.09, 3863877.25	0.00708	2.09E-04	2.13E-04	2.13E-04
5042 472363.09, 3863877.25	0.00727	2.14E-04	2.19E-04	2.18E-04
5043 472863.09, 3863877.25	0.00746	2.20E-04	2.24E-04	2.24E-04
5044 473363.09, 3863877.25	0.00764	2.25E-04	2.30E-04	2.29E-04
5045 473863.09, 3863877.25	0.00782	2.30E-04	2.35E-04	2.35E-04
5046 474363.09, 3863877.25	0.00798	2.35E-04	2.40E-04	2.40E-04
5047 474863.09, 3863877.25	0.00812	2.39E-04	2.44E-04	2.44E-04
5048 475363.09, 3863877.25	0.00827	2.44E-04	2.49E-04	2.48E-04
5049 475863.09, 3863877.25	0.00842	2.48E-04	2.53E-04	2.53E-04
5050 476363.09, 3863877.25	0.00858	2.53E-04	2.58E-04	2.58E-04
5051 476863.09, 3863877.25	0.00873	2.57E-04	2.62E-04	2.62E-04
5052 477363.09, 3863877.25	0.0089	2.62E-04	2.68E-04	2.67E-04
5053 477863.09, 3863877.25	0.00908	2.68E-04	2.73E-04	2.73E-04
5054 478363.09, 3863877.25	0.00905	2.67E-04	2.72E-04	2.72E-04
5055 478863.09, 3863877.25	0.00957	2.82E-04	2.88E-04	2.87E-04
5056 479363.09, 3863877.25	0.00991	2.92E-04	2.98E-04	2.98E-04
5057 479863.09, 3863877.25	0.01015	2.99E-04	3.05E-04	3.05E-04
5058 480363.09, 3863877.25	0.01033	3.04E-04	3.11E-04	3.10E-04
5059 480863.09, 3863877.25	0.01052	3.10E-04	3.16E-04	3.16E-04

5060	481363.09, 3863877.25	0.0107	3.15E-04	3.22E-04	3.21E-04
5061	481863.09, 3863877.25	0.0109	3.21E-04	3.28E-04	3.27E-04
5062	482363.09, 3863877.25	0.01113	3.28E-04	3.35E-04	3.34E-04
5063	482863.09, 3863877.25	0.01135	3.34E-04	3.41E-04	3.41E-04
5064	483363.09, 3863877.25	0.01163	3.43E-04	3.50E-04	3.49E-04
5065	483863.09, 3863877.25	0.01199	3.53E-04	3.61E-04	3.60E-04
5066	484363.09, 3863877.25	0.01236	3.64E-04	3.72E-04	3.71E-04
5067	484863.09, 3863877.25	0.01282	3.78E-04	3.85E-04	3.85E-04
5068	485363.09, 3863877.25	0.01324	3.90E-04	3.98E-04	3.98E-04
5069	485863.09, 3863877.25	0.01375	4.05E-04	4.13E-04	4.13E-04
5070	486363.09, 3863877.25	0.01432	4.22E-04	4.31E-04	4.30E-04
5071	486863.09, 3863877.25	0.01498	4.41E-04	4.50E-04	4.50E-04
5072	487363.09, 3863877.25	0.01562	4.60E-04	4.70E-04	4.69E-04
5073	487863.09, 3863877.25	0.01633	4.81E-04	4.91E-04	4.90E-04
5074	488363.09, 3863877.25	0.01701	5.01E-04	5.11E-04	5.11E-04
5075	488863.09, 3863877.25	0.01759	5.18E-04	5.29E-04	5.28E-04
5076	489363.09, 3863877.25	0.01779	5.24E-04	5.35E-04	5.34E-04
5077	489863.09, 3863877.25	0.01779	5.24E-04	5.35E-04	5.34E-04
5078	490363.09, 3863877.25	0.01775	5.23E-04	5.34E-04	5.33E-04
5079	490863.09, 3863877.25	0.01774	5.23E-04	5.33E-04	5.33E-04
5080	491363.09, 3863877.25	0.01744	5.14E-04	5.24E-04	5.24E-04
5081	491863.09, 3863877.25	0.01767	5.21E-04	5.31E-04	5.31E-04
5082	492363.09, 3863877.25	0.01757	5.18E-04	5.28E-04	5.28E-04
5083	492863.09, 3863877.25	0.0164	4.83E-04	4.93E-04	4.93E-04
5084	493363.09, 3863877.25	0.01668	4.91E-04	5.02E-04	5.01E-04
5085	493863.09, 3863877.25	0.01728	5.09E-04	5.20E-04	5.19E-04
5086	494363.09, 3863877.25	0.01796	5.29E-04	5.40E-04	5.39E-04
5087	494863.09, 3863877.25	0.01788	5.27E-04	5.38E-04	5.37E-04
5088	495363.09, 3863877.25	0.01771	5.22E-04	5.33E-04	5.32E-04
5089	495863.09, 3863877.25	0.01685	4.97E-04	5.07E-04	5.06E-04
5090	496363.09, 3863877.25	0.01633	4.81E-04	4.91E-04	4.90E-04
5091	496863.09, 3863877.25	0.01609	4.74E-04	4.84E-04	4.83E-04
5092	497363.09, 3863877.25	0.01619	4.77E-04	4.87E-04	4.86E-04
5093	497863.09, 3863877.25	0.01646	4.85E-04	4.95E-04	4.94E-04
5094	498363.09, 3863877.25	0.01638	4.83E-04	4.93E-04	4.92E-04
5095	471363.09, 3864377.25	0.0067	1.97E-04	2.01E-04	2.01E-04
5096	471863.09, 3864377.25	0.00687	2.02E-04	2.07E-04	2.06E-04
5097	472363.09, 3864377.25	0.00705	2.08E-04	2.12E-04	2.12E-04
5098	472863.09, 3864377.25	0.00723	2.13E-04	2.17E-04	2.17E-04
5099	473363.09, 3864377.25	0.00739	2.18E-04	2.22E-04	2.22E-04
5100	473863.09, 3864377.25	0.00755	2.22E-04	2.27E-04	2.27E-04
5101	474363.09, 3864377.25	0.00769	2.27E-04	2.31E-04	2.31E-04
5102	474863.09, 3864377.25	0.00783	2.31E-04	2.35E-04	2.35E-04
5103	475363.09, 3864377.25	0.00797	2.35E-04	2.40E-04	2.39E-04
5104	475863.09, 3864377.25	0.00811	2.39E-04	2.44E-04	2.44E-04
5105	476363.09, 3864377.25	0.00825	2.43E-04	2.48E-04	2.48E-04
5106	476863.09, 3864377.25	0.00841	2.48E-04	2.53E-04	2.53E-04
5107	477363.09, 3864377.25	0.00857	2.53E-04	2.58E-04	2.57E-04
5108	477863.09, 3864377.25	0.00876	2.58E-04	2.63E-04	2.63E-04
5109	478363.09, 3864377.25	0.00899	2.65E-04	2.70E-04	2.70E-04
5110	478863.09, 3864377.25	0.00924	2.72E-04	2.78E-04	2.78E-04
5111	479363.09, 3864377.25	0.00944	2.78E-04	2.84E-04	2.84E-04
5112	479863.09, 3864377.25	0.00959	2.83E-04	2.88E-04	2.88E-04
5113	480363.09, 3864377.25	0.00972	2.86E-04	2.92E-04	2.92E-04
5114	480863.09, 3864377.25	0.00982	2.89E-04	2.95E-04	2.95E-04
5115	481363.09, 3864377.25	0.00998	2.94E-04	3.00E-04	3.00E-04
5116	481863.09, 3864377.25	0.01015	2.99E-04	3.05E-04	3.05E-04
5117	482363.09, 3864377.25	0.01031	3.04E-04	3.10E-04	3.10E-04
5118	482863.09, 3864377.25	0.01048	3.09E-04	3.15E-04	3.15E-04
5119	483363.09, 3864377.25	0.01068	3.15E-04	3.21E-04	3.21E-04
5120	483863.09, 3864377.25	0.01095	3.23E-04	3.29E-04	3.29E-04

5121	484363.09, 3864377.25	0.01129	3.33E-04	3.39E-04	3.39E-04
5122	484863.09, 3864377.25	0.01163	3.43E-04	3.50E-04	3.49E-04
5123	485363.09, 3864377.25	0.01204	3.55E-04	3.62E-04	3.62E-04
5124	485863.09, 3864377.25	0.01255	3.70E-04	3.77E-04	3.77E-04
5125	486363.09, 3864377.25	0.01309	3.86E-04	3.94E-04	3.93E-04
5126	486863.09, 3864377.25	0.01355	3.99E-04	4.07E-04	4.07E-04
5127	487363.09, 3864377.25	0.01405	4.14E-04	4.22E-04	4.22E-04
5128	487863.09, 3864377.25	0.0146	4.30E-04	4.39E-04	4.38E-04
5129	488363.09, 3864377.25	0.01506	4.44E-04	4.53E-04	4.52E-04
5130	488863.09, 3864377.25	0.01543	4.55E-04	4.64E-04	4.63E-04
5131	489363.09, 3864377.25	0.01552	4.57E-04	4.67E-04	4.66E-04
5132	489863.09, 3864377.25	0.01542	4.54E-04	4.64E-04	4.63E-04
5133	490363.09, 3864377.25	0.0154	4.54E-04	4.63E-04	4.63E-04
5134	490863.09, 3864377.25	0.01545	4.55E-04	4.65E-04	4.64E-04
5135	491363.09, 3864377.25	0.01548	4.56E-04	4.65E-04	4.65E-04
5136	491863.09, 3864377.25	0.0072	2.12E-04	2.16E-04	2.16E-04
5137	492363.09, 3864377.25	0.01186	3.49E-04	3.57E-04	3.56E-04
5138	492863.09, 3864377.25	0.00817	2.41E-04	2.46E-04	2.45E-04
5139	493363.09, 3864377.25	0.01102	3.25E-04	3.31E-04	3.31E-04
5140	493863.09, 3864377.25	0.01342	3.95E-04	4.04E-04	4.03E-04
5141	494363.09, 3864377.25	0.01453	4.28E-04	4.37E-04	4.36E-04
5142	494863.09, 3864377.25	0.0154	4.54E-04	4.63E-04	4.63E-04
5143	495363.09, 3864377.25	0.01545	4.55E-04	4.65E-04	4.64E-04
5144	495863.09, 3864377.25	0.01535	4.52E-04	4.62E-04	4.61E-04
5145	496363.09, 3864377.25	0.01467	4.32E-04	4.41E-04	4.41E-04
5146	496863.09, 3864377.25	0.01416	4.17E-04	4.26E-04	4.25E-04
5147	497363.09, 3864377.25	0.0139	4.10E-04	4.18E-04	4.17E-04
5148	497863.09, 3864377.25	0.01402	4.13E-04	4.22E-04	4.21E-04
5149	498363.09, 3864377.25	0.0141	4.15E-04	4.24E-04	4.23E-04
5150	471363.09, 3864877.25	0.00652	1.92E-04	1.96E-04	1.96E-04
5151	471863.09, 3864877.25	0.00668	1.97E-04	2.01E-04	2.01E-04
5152	472363.09, 3864877.25	0.00685	2.02E-04	2.06E-04	2.06E-04
5153	472863.09, 3864877.25	0.00701	2.07E-04	2.11E-04	2.11E-04
5154	473363.09, 3864877.25	0.00715	2.11E-04	2.15E-04	2.15E-04
5155	473863.09, 3864877.25	0.00728	2.15E-04	2.19E-04	2.19E-04
5156	474363.09, 3864877.25	0.00742	2.19E-04	2.23E-04	2.23E-04
5157	474863.09, 3864877.25	0.00754	2.22E-04	2.27E-04	2.26E-04
5158	475363.09, 3864877.25	0.00767	2.26E-04	2.31E-04	2.30E-04
5159	475863.09, 3864877.25	0.00779	2.30E-04	2.34E-04	2.34E-04
5160	476363.09, 3864877.25	0.00792	2.33E-04	2.38E-04	2.38E-04
5161	476863.09, 3864877.25	0.0081	2.39E-04	2.44E-04	2.43E-04
5162	477363.09, 3864877.25	0.00825	2.43E-04	2.48E-04	2.48E-04
5163	477863.09, 3864877.25	0.00841	2.48E-04	2.53E-04	2.53E-04
5164	478363.09, 3864877.25	0.00858	2.53E-04	2.58E-04	2.58E-04
5165	478863.09, 3864877.25	0.00874	2.58E-04	2.63E-04	2.62E-04
5166	479363.09, 3864877.25	0.00888	2.62E-04	2.67E-04	2.67E-04
5167	479863.09, 3864877.25	0.00897	2.64E-04	2.70E-04	2.69E-04
5168	480363.09, 3864877.25	0.00908	2.68E-04	2.73E-04	2.73E-04
5169	480863.09, 3864877.25	0.00918	2.71E-04	2.76E-04	2.76E-04
5170	481363.09, 3864877.25	0.00932	2.75E-04	2.80E-04	2.80E-04
5171	481863.09, 3864877.25	0.00943	2.78E-04	2.84E-04	2.83E-04
5172	482363.09, 3864877.25	0.00955	2.81E-04	2.87E-04	2.87E-04
5173	482863.09, 3864877.25	0.00966	2.85E-04	2.90E-04	2.90E-04
5174	483363.09, 3864877.25	0.0098	2.89E-04	2.95E-04	2.94E-04
5175	483863.09, 3864877.25	0.01002	2.95E-04	3.01E-04	3.01E-04
5176	484363.09, 3864877.25	0.01035	3.05E-04	3.11E-04	3.11E-04
5177	484863.09, 3864877.25	0.01073	3.16E-04	3.23E-04	3.22E-04
5178	485363.09, 3864877.25	0.01118	3.29E-04	3.36E-04	3.36E-04
5179	485863.09, 3864877.25	0.0116	3.42E-04	3.49E-04	3.48E-04
5180	486363.09, 3864877.25	0.01198	3.53E-04	3.60E-04	3.60E-04
5181	486863.09, 3864877.25	0.01231	3.63E-04	3.70E-04	3.70E-04

5182	487363.09, 3864877.25	0.01272	3.75E-04	3.82E-04	3.82E-04
5183	487863.09, 3864877.25	0.01313	3.87E-04	3.95E-04	3.94E-04
5184	488363.09, 3864877.25	0.01343	3.96E-04	4.04E-04	4.03E-04
5185	488863.09, 3864877.25	0.01367	4.03E-04	4.11E-04	4.11E-04
5186	489363.09, 3864877.25	0.0137	4.04E-04	4.12E-04	4.11E-04
5187	489863.09, 3864877.25	0.01358	4.00E-04	4.08E-04	4.08E-04
5188	490363.09, 3864877.25	0.0136	4.01E-04	4.09E-04	4.08E-04
5189	490863.09, 3864877.25	0.0129	3.80E-04	3.88E-04	3.87E-04
5190	491363.09, 3864877.25	0.01359	4.00E-04	4.09E-04	4.08E-04
5191	491863.09, 3864877.25	0.01224	3.61E-04	3.68E-04	3.68E-04
5192	492363.09, 3864877.25	0.0051	1.50E-04	1.53E-04	1.53E-04
5193	492863.09, 3864877.25	0.00619	1.82E-04	1.86E-04	1.86E-04
5194	493363.09, 3864877.25	0.00604	1.78E-04	1.82E-04	1.81E-04
5195	493863.09, 3864877.25	0.01056	3.11E-04	3.18E-04	3.17E-04
5196	494363.09, 3864877.25	0.01245	3.67E-04	3.74E-04	3.74E-04
5197	494863.09, 3864877.25	0.01293	3.81E-04	3.89E-04	3.88E-04
5198	495363.09, 3864877.25	0.01349	3.98E-04	4.06E-04	4.05E-04
5199	495863.09, 3864877.25	0.01355	3.99E-04	4.07E-04	4.07E-04
5200	496363.09, 3864877.25	0.01352	3.98E-04	4.07E-04	4.06E-04
5201	496863.09, 3864877.25	0.01297	3.82E-04	3.90E-04	3.90E-04
5202	497363.09, 3864877.25	0.01248	3.68E-04	3.75E-04	3.75E-04
5203	497863.09, 3864877.25	0.01228	3.62E-04	3.69E-04	3.69E-04
5204	498363.09, 3864877.25	0.01216	3.58E-04	3.66E-04	3.65E-04
5205	471363.09, 3865377.25	0.00634	1.87E-04	1.91E-04	1.90E-04
5206	471863.09, 3865377.25	0.00649	1.91E-04	1.95E-04	1.95E-04
5207	472363.09, 3865377.25	0.00663	1.95E-04	1.99E-04	1.99E-04
5208	472863.09, 3865377.25	0.00678	2.00E-04	2.04E-04	2.04E-04
5209	473363.09, 3865377.25	0.00689	2.03E-04	2.07E-04	2.07E-04
5210	473863.09, 3865377.25	0.00701	2.07E-04	2.11E-04	2.11E-04
5211	474363.09, 3865377.25	0.00713	2.10E-04	2.14E-04	2.14E-04
5212	474863.09, 3865377.25	0.00726	2.14E-04	2.18E-04	2.18E-04
5213	475363.09, 3865377.25	0.00737	2.17E-04	2.22E-04	2.21E-04
5214	475863.09, 3865377.25	0.00749	2.21E-04	2.25E-04	2.25E-04
5215	476363.09, 3865377.25	0.00768	2.26E-04	2.31E-04	2.31E-04
5216	476863.09, 3865377.25	0.00767	2.26E-04	2.31E-04	2.30E-04
5217	477363.09, 3865377.25	0.00792	2.33E-04	2.38E-04	2.38E-04
5218	477863.09, 3865377.25	0.008	2.36E-04	2.41E-04	2.40E-04
5219	478363.09, 3865377.25	0.00813	2.40E-04	2.44E-04	2.44E-04
5220	478863.09, 3865377.25	0.00823	2.43E-04	2.47E-04	2.47E-04
5221	479363.09, 3865377.25	0.00833	2.45E-04	2.50E-04	2.50E-04
5222	479863.09, 3865377.25	0.00843	2.48E-04	2.53E-04	2.53E-04
5223	480363.09, 3865377.25	0.00849	2.50E-04	2.55E-04	2.55E-04
5224	480863.09, 3865377.25	0.00857	2.53E-04	2.58E-04	2.57E-04
5225	481363.09, 3865377.25	0.00868	2.56E-04	2.61E-04	2.61E-04
5226	481863.09, 3865377.25	0.00875	2.58E-04	2.63E-04	2.63E-04
5227	482363.09, 3865377.25	0.00881	2.60E-04	2.65E-04	2.65E-04
5228	482863.09, 3865377.25	0.00888	2.62E-04	2.67E-04	2.67E-04
5229	483363.09, 3865377.25	0.00905	2.67E-04	2.72E-04	2.72E-04
5230	483863.09, 3865377.25	0.00931	2.74E-04	2.80E-04	2.80E-04
5231	484363.09, 3865377.25	0.00964	2.84E-04	2.90E-04	2.90E-04
5232	484863.09, 3865377.25	0.01002	2.95E-04	3.01E-04	3.01E-04
5233	485363.09, 3865377.25	0.01041	3.07E-04	3.13E-04	3.13E-04
5234	485863.09, 3865377.25	0.01074	3.16E-04	3.23E-04	3.23E-04
5235	486363.09, 3865377.25	0.01102	3.25E-04	3.31E-04	3.31E-04
5236	486863.09, 3865377.25	0.01129	3.33E-04	3.39E-04	3.39E-04
5237	487363.09, 3865377.25	0.01162	3.42E-04	3.49E-04	3.49E-04
5238	487863.09, 3865377.25	0.01187	3.50E-04	3.57E-04	3.56E-04
5239	488363.09, 3865377.25	0.01208	3.56E-04	3.63E-04	3.63E-04
5240	488863.09, 3865377.25	0.01224	3.61E-04	3.68E-04	3.68E-04
5241	489363.09, 3865377.25	0.01226	3.61E-04	3.69E-04	3.68E-04
5242	489863.09, 3865377.25	0.01226	3.61E-04	3.69E-04	3.68E-04

5243	490363.09, 3865377.25	0.01189	3.50E-04	3.58E-04	3.57E-04
5244	490863.09, 3865377.25	0.01134	3.34E-04	3.41E-04	3.41E-04
5245	491363.09, 3865377.25	0.01099	3.24E-04	3.30E-04	3.30E-04
5246	491863.09, 3865377.25	0.0109	3.21E-04	3.28E-04	3.27E-04
5247	492363.09, 3865377.25	0.00868	2.56E-04	2.61E-04	2.61E-04
5248	492863.09, 3865377.25	0.00675	1.99E-04	2.03E-04	2.03E-04
5249	493363.09, 3865377.25	0.00567	1.67E-04	1.70E-04	1.70E-04
5250	493863.09, 3865377.25	0.00766	2.26E-04	2.30E-04	2.30E-04
5251	494363.09, 3865377.25	0.01004	2.96E-04	3.02E-04	3.02E-04
5252	494863.09, 3865377.25	0.01105	3.26E-04	3.32E-04	3.32E-04
5253	495363.09, 3865377.25	0.01153	3.40E-04	3.47E-04	3.46E-04
5254	495863.09, 3865377.25	0.01205	3.55E-04	3.62E-04	3.62E-04
5255	496363.09, 3865377.25	0.01197	3.53E-04	3.60E-04	3.59E-04
5256	496863.09, 3865377.25	0.01193	3.52E-04	3.59E-04	3.58E-04
5257	497363.09, 3865377.25	0.01161	3.42E-04	3.49E-04	3.49E-04
5258	497863.09, 3865377.25	0.01116	3.29E-04	3.36E-04	3.35E-04
5259	498363.09, 3865377.25	0.01097	3.23E-04	3.30E-04	3.29E-04
5260	471363.09, 3865877.25	0.00615	1.81E-04	1.85E-04	1.85E-04
5261	471863.09, 3865877.25	0.00628	1.85E-04	1.89E-04	1.89E-04
5262	472363.09, 3865877.25	0.00642	1.89E-04	1.93E-04	1.93E-04
5263	472863.09, 3865877.25	0.00652	1.92E-04	1.96E-04	1.96E-04
5264	473363.09, 3865877.25	0.00662	1.95E-04	1.99E-04	1.99E-04
5265	473863.09, 3865877.25	0.00675	1.99E-04	2.03E-04	2.03E-04
5266	474363.09, 3865877.25	0.00687	2.02E-04	2.07E-04	2.06E-04
5267	474863.09, 3865877.25	0.007	2.06E-04	2.10E-04	2.10E-04
5268	475363.09, 3865877.25	0.0071	2.09E-04	2.13E-04	2.13E-04
5269	475863.09, 3865877.25	0.00722	2.13E-04	2.17E-04	2.17E-04
5270	476363.09, 3865877.25	0.00738	2.17E-04	2.22E-04	2.22E-04
5271	476863.09, 3865877.25	0.00729	2.15E-04	2.19E-04	2.19E-04
5272	477363.09, 3865877.25	0.00754	2.22E-04	2.27E-04	2.26E-04
5273	477863.09, 3865877.25	0.00759	2.24E-04	2.28E-04	2.28E-04
5274	478363.09, 3865877.25	0.00767	2.26E-04	2.31E-04	2.30E-04
5275	478863.09, 3865877.25	0.00776	2.29E-04	2.33E-04	2.33E-04
5276	479363.09, 3865877.25	0.00785	2.31E-04	2.36E-04	2.36E-04
5277	479863.09, 3865877.25	0.0079	2.33E-04	2.38E-04	2.37E-04
5278	480363.09, 3865877.25	0.00795	2.34E-04	2.39E-04	2.39E-04
5279	480863.09, 3865877.25	0.00802	2.36E-04	2.41E-04	2.41E-04
5280	481363.09, 3865877.25	0.00806	2.37E-04	2.42E-04	2.42E-04
5281	481863.09, 3865877.25	0.0081	2.39E-04	2.44E-04	2.43E-04
5282	482363.09, 3865877.25	0.00817	2.41E-04	2.46E-04	2.45E-04
5283	482863.09, 3865877.25	0.00829	2.44E-04	2.49E-04	2.49E-04
5284	483363.09, 3865877.25	0.00849	2.50E-04	2.55E-04	2.55E-04
5285	483863.09, 3865877.25	0.00875	2.58E-04	2.63E-04	2.63E-04
5286	484363.09, 3865877.25	0.00906	2.67E-04	2.72E-04	2.72E-04
5287	484863.09, 3865877.25	0.00937	2.76E-04	2.82E-04	2.81E-04
5288	485363.09, 3865877.25	0.00968	2.85E-04	2.91E-04	2.91E-04
5289	485863.09, 3865877.25	0.00996	2.93E-04	2.99E-04	2.99E-04
5290	486363.09, 3865877.25	0.01019	3.00E-04	3.06E-04	3.06E-04
5291	486863.09, 3865877.25	0.0104	3.06E-04	3.13E-04	3.12E-04
5292	487363.09, 3865877.25	0.01063	3.13E-04	3.20E-04	3.19E-04
5293	487863.09, 3865877.25	0.01082	3.19E-04	3.25E-04	3.25E-04
5294	488363.09, 3865877.25	0.01095	3.23E-04	3.29E-04	3.29E-04
5295	488863.09, 3865877.25	0.01106	3.26E-04	3.33E-04	3.32E-04
5296	489363.09, 3865877.25	0.0111	3.27E-04	3.34E-04	3.33E-04
5297	489863.09, 3865877.25	0.01112	3.28E-04	3.34E-04	3.34E-04
5298	490363.09, 3865877.25	0.01111	3.27E-04	3.34E-04	3.34E-04
5299	490863.09, 3865877.25	0.01052	3.10E-04	3.16E-04	3.16E-04
5300	491363.09, 3865877.25	0.00977	2.88E-04	2.94E-04	2.93E-04
5301	491863.09, 3865877.25	0.00948	2.79E-04	2.85E-04	2.85E-04
5302	492363.09, 3865877.25	0.00897	2.64E-04	2.70E-04	2.69E-04
5303	492863.09, 3865877.25	0.0068	2.00E-04	2.04E-04	2.04E-04

5304	493363.09, 3865877.25	0.00664	1.96E-04	2.00E-04	1.99E-04
5305	493863.09, 3865877.25	0.00757	2.23E-04	2.28E-04	2.27E-04
5306	494363.09, 3865877.25	0.00875	2.58E-04	2.63E-04	2.63E-04
5307	494863.09, 3865877.25	0.01023	3.01E-04	3.08E-04	3.07E-04
5308	495363.09, 3865877.25	0.01031	3.04E-04	3.10E-04	3.10E-04
5309	495863.09, 3865877.25	0.01039	3.06E-04	3.12E-04	3.12E-04
5310	496363.09, 3865877.25	0.01043	3.07E-04	3.14E-04	3.13E-04
5311	496863.09, 3865877.25	0.01031	3.04E-04	3.10E-04	3.10E-04
5312	497363.09, 3865877.25	0.01065	3.14E-04	3.20E-04	3.20E-04
5313	497863.09, 3865877.25	0.01037	3.06E-04	3.12E-04	3.11E-04
5314	498363.09, 3865877.25	0.00968	2.85E-04	2.91E-04	2.91E-04
5315	471363.09, 3866377.25	0.00595	1.75E-04	1.79E-04	1.79E-04
5316	471863.09, 3866377.25	0.00607	1.79E-04	1.83E-04	1.82E-04
5317	472363.09, 3866377.25	0.00619	1.82E-04	1.86E-04	1.86E-04
5318	472863.09, 3866377.25	0.00627	1.85E-04	1.89E-04	1.88E-04
5319	473363.09, 3866377.25	0.00639	1.88E-04	1.92E-04	1.92E-04
5320	473863.09, 3866377.25	0.00651	1.92E-04	1.96E-04	1.96E-04
5321	474363.09, 3866377.25	0.00663	1.95E-04	1.99E-04	1.99E-04
5322	474863.09, 3866377.25	0.00674	1.99E-04	2.03E-04	2.02E-04
5323	475363.09, 3866377.25	0.00682	2.01E-04	2.05E-04	2.05E-04
5324	475863.09, 3866377.25	0.00689	2.03E-04	2.07E-04	2.07E-04
5325	476363.09, 3866377.25	0.00703	2.07E-04	2.11E-04	2.11E-04
5326	476863.09, 3866377.25	0.00683	2.01E-04	2.05E-04	2.05E-04
5327	477363.09, 3866377.25	0.0071	2.09E-04	2.13E-04	2.13E-04
5328	477863.09, 3866377.25	0.0072	2.12E-04	2.16E-04	2.16E-04
5329	478363.09, 3866377.25	0.00725	2.14E-04	2.18E-04	2.18E-04
5330	478863.09, 3866377.25	0.00733	2.16E-04	2.20E-04	2.20E-04
5331	479363.09, 3866377.25	0.0074	2.18E-04	2.23E-04	2.22E-04
5332	479863.09, 3866377.25	0.00745	2.20E-04	2.24E-04	2.24E-04
5333	480363.09, 3866377.25	0.00749	2.21E-04	2.25E-04	2.25E-04
5334	480863.09, 3866377.25	0.00751	2.21E-04	2.26E-04	2.26E-04
5335	481363.09, 3866377.25	0.00755	2.22E-04	2.27E-04	2.27E-04
5336	481863.09, 3866377.25	0.00759	2.24E-04	2.28E-04	2.28E-04
5337	482363.09, 3866377.25	0.00769	2.27E-04	2.31E-04	2.31E-04
5338	482863.09, 3866377.25	0.00785	2.31E-04	2.36E-04	2.36E-04
5339	483363.09, 3866377.25	0.00802	2.36E-04	2.41E-04	2.41E-04
5340	483863.09, 3866377.25	0.00824	2.43E-04	2.48E-04	2.47E-04
5341	484363.09, 3866377.25	0.00849	2.50E-04	2.55E-04	2.55E-04
5342	484863.09, 3866377.25	0.00879	2.59E-04	2.64E-04	2.64E-04
5343	485363.09, 3866377.25	0.00904	2.66E-04	2.72E-04	2.71E-04
5344	485863.09, 3866377.25	0.00926	2.73E-04	2.78E-04	2.78E-04
5345	486363.09, 3866377.25	0.00945	2.78E-04	2.84E-04	2.84E-04
5346	486863.09, 3866377.25	0.00963	2.84E-04	2.90E-04	2.89E-04
5347	487363.09, 3866377.25	0.00992	2.92E-04	2.98E-04	2.98E-04
5348	487863.09, 3866377.25	0.01008	2.97E-04	3.03E-04	3.03E-04
5349	488363.09, 3866377.25	0.01017	3.00E-04	3.06E-04	3.05E-04
5350	488863.09, 3866377.25	0.01008	2.97E-04	3.03E-04	3.03E-04
5351	489363.09, 3866377.25	0.00989	2.91E-04	2.97E-04	2.97E-04
5352	489863.09, 3866377.25	0.00949	2.80E-04	2.85E-04	2.85E-04
5353	490363.09, 3866377.25	0.01007	2.97E-04	3.03E-04	3.02E-04
5354	490863.09, 3866377.25	0.00997	2.94E-04	3.00E-04	2.99E-04
5355	491363.09, 3866377.25	0.00977	2.88E-04	2.94E-04	2.93E-04
5356	491863.09, 3866377.25	0.00823	2.43E-04	2.47E-04	2.47E-04
5357	492363.09, 3866377.25	0.00836	2.46E-04	2.51E-04	2.51E-04
5358	492863.09, 3866377.25	0.00738	2.17E-04	2.22E-04	2.22E-04
5359	493363.09, 3866377.25	0.00771	2.27E-04	2.32E-04	2.32E-04
5360	493863.09, 3866377.25	0.00819	2.41E-04	2.46E-04	2.46E-04
5361	494363.09, 3866377.25	0.0089	2.62E-04	2.68E-04	2.67E-04
5362	494863.09, 3866377.25	0.00885	2.61E-04	2.66E-04	2.66E-04
5363	495363.09, 3866377.25	0.00878	2.59E-04	2.64E-04	2.64E-04
5364	495863.09, 3866377.25	0.00868	2.56E-04	2.61E-04	2.61E-04

5365	496363.09, 3866377.25	0.00883	2.60E-04	2.66E-04	2.65E-04
5366	496863.09, 3866377.25	0.00872	2.57E-04	2.62E-04	2.62E-04
5367	497363.09, 3866377.25	0.00892	2.63E-04	2.68E-04	2.68E-04
5368	497863.09, 3866377.25	0.00929	2.74E-04	2.79E-04	2.79E-04
5369	498363.09, 3866377.25	0.00811	2.39E-04	2.44E-04	2.44E-04
5370	474494.92, 3848334.16	3.03162	8.93E-02	9.12E-02	9.10E-02
5371	475167.27, 3848920.79	3.36147	9.91E-02	1.01E-01	1.01E-01
5372	475297.89, 3848997.96	3.44912	1.02E-01	1.04E-01	1.04E-01
5373	475439.05, 3849062	3.43186	1.01E-01	1.03E-01	1.03E-01
5374	475486.86, 3849061.09	2.68247	7.90E-02	8.07E-02	8.06E-02
5375	475538.46, 3849075.56	2.65233	7.82E-02	7.98E-02	7.97E-02
5376	475751.79, 3849137.15	3.55027	1.05E-01	1.07E-01	1.07E-01
5377	476303.62, 3849223.38	4.05125	1.19E-01	1.22E-01	1.22E-01
5378	476304.51, 3849238.92	3.86398	1.14E-01	1.16E-01	1.16E-01
5379	476365.04, 3849247.98	3.78093	1.11E-01	1.14E-01	1.14E-01
5380	476444.86, 3849267.13	3.88839	1.15E-01	1.17E-01	1.17E-01
5381	476550.75, 3849300.66	4.15397	1.22E-01	1.25E-01	1.25E-01
5382	476656.71, 3849346.88	4.25234	1.25E-01	1.28E-01	1.28E-01
5383	476873.55, 3849454.53	3.88465	1.14E-01	1.17E-01	1.17E-01
5384	477700, 3849859.7	2.74322	8.08E-02	8.25E-02	8.24E-02
5385	477743.16, 3849856.38	3.84794	1.13E-01	1.16E-01	1.16E-01
5386	478477.35, 3850216.33	3.57311	1.05E-01	1.07E-01	1.07E-01
5387	478485.8, 3850201.6	3.3177	9.78E-02	9.98E-02	9.96E-02
5388	479113.21, 3850501.53	3.08636	9.09E-02	9.28E-02	9.27E-02
5389	479108.11, 3850382.28	1.51283	4.46E-02	4.55E-02	4.54E-02
5390	479689.85, 3850674.28	1.60546	4.73E-02	4.83E-02	4.82E-02
5391	479952.42, 3850774.28	1.43348	4.22E-02	4.31E-02	4.31E-02
5392	479911.32, 3850884.85	3.12193	9.20E-02	9.39E-02	9.38E-02
5393	480500.92, 3851178.12	3.34846	9.87E-02	1.01E-01	1.01E-01
5394	480738.01, 3851289.27	3.20915	9.46E-02	9.65E-02	9.64E-02
5395	481055.42, 3851443.58	3.20804	9.45E-02	9.65E-02	9.63E-02
5396	481110.22, 3851443.15	2.48406	7.32E-02	7.47E-02	7.46E-02
5397	481111.1, 3851417.45	2.09507	6.17E-02	6.30E-02	6.29E-02
5398	482248.44, 3852605.09	3.06273	9.02E-02	9.21E-02	9.20E-02
5399	482273.34, 3852632.31	3.16487	9.33E-02	9.52E-02	9.50E-02
5400	482665.46, 3853038.72	2.61859	7.72E-02	7.87E-02	7.86E-02
5401	483077.95, 3853844.31	0.12856	3.79E-03	3.87E-03	3.86E-03
5402	483121.38, 3853909.38	0.11448	3.37E-03	3.44E-03	3.44E-03
5403	483492.64, 3853911.49	0.11309	3.33E-03	3.40E-03	3.40E-03
5404	483498.29, 3854204.73	0.07963	2.35E-03	2.39E-03	2.39E-03
5405	484132.44, 3854662.55	0.04699	1.38E-03	1.41E-03	1.41E-03
5406	484627.62, 3854876.13	0.04527	1.33E-03	1.36E-03	1.36E-03
5407	484756.14, 3854949.04	0.04474	1.32E-03	1.35E-03	1.34E-03
5408	486697.51, 3856599.17	0.03017	8.89E-04	9.07E-04	9.06E-04
5409	487105.31, 3856962.27	0.03089	9.10E-04	9.29E-04	9.28E-04
5410	487157.57, 3856901.7	0.03095	9.12E-04	9.31E-04	9.30E-04
5411	487173.5, 3856853.74	0.03084	9.09E-04	9.27E-04	9.26E-04
5412	487564.41, 3856860.83	0.03064	9.03E-04	9.21E-04	9.20E-04
5413	487563.31, 3856931.58	0.0309	9.11E-04	9.29E-04	9.28E-04
5414	487782.7, 3856926.85	0.03115	9.18E-04	9.37E-04	9.36E-04
5415	487782.39, 3856757.07	0.03076	9.06E-04	9.25E-04	9.24E-04
5416	487917.26, 3856752.41	0.0309	9.11E-04	9.29E-04	9.28E-04
5417	487919.57, 3856953.35	0.03154	9.29E-04	9.48E-04	9.47E-04
5418	487932.76, 3857000.32	0.03164	9.32E-04	9.51E-04	9.50E-04
5419	487960.5, 3857044.75	0.03181	9.37E-04	9.56E-04	9.55E-04
5420	488016.54, 3857089.54	0.03205	9.44E-04	9.64E-04	9.63E-04
5421	488114.39, 3857165.47	0.03258	9.60E-04	9.80E-04	9.78E-04
5422	488171.49, 3857234.24	0.03318	9.78E-04	9.98E-04	9.96E-04
5423	488193.16, 3857297.8	0.03385	9.97E-04	1.02E-03	1.02E-03
5424	488189.27, 3857649.94	0.03863	1.14E-03	1.16E-03	1.16E-03
5425	488127.43, 3857732.32	0.03981	1.17E-03	1.20E-03	1.20E-03

5426	488149.93, 3857752.94	0.04022	1.19E-03	1.21E-03	1.21E-03
5427	488144.76, 3857758.71	0.04029	1.19E-03	1.21E-03	1.21E-03
5428	488335.58, 3857932.55	0.04622	1.36E-03	1.39E-03	1.39E-03
5429	488372.29, 3857943.79	0.04686	1.38E-03	1.41E-03	1.41E-03
5430	488828.64, 3857936.4	0.04834	1.42E-03	1.45E-03	1.45E-03
5431	488829.08, 3857959.58	0.04908	1.45E-03	1.48E-03	1.47E-03
5432	488351.61, 3857964.55	0.04742	1.40E-03	1.43E-03	1.42E-03
5433	488316.87, 3857947.65	0.04654	1.37E-03	1.40E-03	1.40E-03
5434	488129.1, 3857775.77	0.04053	1.19E-03	1.22E-03	1.22E-03
5435	488062.53, 3857846.13	0.0417	1.23E-03	1.25E-03	1.25E-03
5436	488330.41, 3858091.34	0.05131	1.51E-03	1.54E-03	1.54E-03
5437	488470.87, 3858174.45	0.05745	1.69E-03	1.73E-03	1.73E-03
5438	488568.9, 3858262.31	0.06424	1.89E-03	1.93E-03	1.93E-03
5439	488964.27, 3858025.71	0.05167	1.52E-03	1.55E-03	1.55E-03
5440	489147.25, 3857956.64	0.0479	1.41E-03	1.44E-03	1.44E-03
5441	489343.52, 3857932.45	0.04433	1.31E-03	1.33E-03	1.33E-03
5442	489866.19, 3857923.19	0.04055	1.19E-03	1.22E-03	1.22E-03
5443	489955.65, 3857902.27	0.03933	1.16E-03	1.18E-03	1.18E-03
5444	490079.44, 3857847.9	0.03836	1.13E-03	1.15E-03	1.15E-03
5445	490108.49, 3857934.13	0.04041	1.19E-03	1.22E-03	1.21E-03
5446	489884.48, 3858014.17	0.04359	1.28E-03	1.31E-03	1.31E-03
5447	489326.56, 3858025.86	0.04826	1.42E-03	1.45E-03	1.45E-03
5448	489130.38, 3858056.71	0.05142	1.52E-03	1.55E-03	1.54E-03
5449	488936.49, 3858143.93	0.0572	1.69E-03	1.72E-03	1.72E-03
5450	488638.08, 3858327.45	0.06982	2.06E-03	2.10E-03	2.10E-03
5451	488663.79, 3858349.57	0.07201	2.12E-03	2.17E-03	2.16E-03
5452	488694.56, 3858349.5	0.07219	2.13E-03	2.17E-03	2.17E-03
5453	488694.35, 3858336.75	0.07096	2.09E-03	2.13E-03	2.13E-03
5454	488712.81, 3858336.38	0.07105	2.09E-03	2.14E-03	2.13E-03
5455	488713.23, 3858367.46	0.07415	2.18E-03	2.23E-03	2.23E-03
5456	488704.63, 3858384.05	0.07586	2.24E-03	2.28E-03	2.28E-03
5457	488604.15, 3858488.29	0.08784	2.59E-03	2.64E-03	2.64E-03
5458	488605.66, 3858550.47	0.09747	2.87E-03	2.93E-03	2.93E-03
5459	488692.68, 3858548.71	0.10071	2.97E-03	3.03E-03	3.02E-03
5460	488759.93, 3858461.81	0.08644	2.55E-03	2.60E-03	2.60E-03
5461	488816.57, 3858541.79	0.1018	3.00E-03	3.06E-03	3.06E-03
5462	488944.63, 3858656.77	0.13793	4.06E-03	4.15E-03	4.14E-03
5463	489134.91, 3858830.7	0.43964	1.30E-02	1.32E-02	1.32E-02
5464	489193.99, 3858886.05	0.69449	2.05E-02	2.09E-02	2.09E-02
5465	489295.2, 3858954.34	0.92255	2.72E-02	2.77E-02	2.77E-02
5466	489295.64, 3858992.74	1.16994	3.45E-02	3.52E-02	3.51E-02
5467	489183.74, 3858911.72	0.88105	2.60E-02	2.65E-02	2.65E-02
5468	488873.37, 3858625.59	0.1258	3.71E-03	3.78E-03	3.78E-03
5469	488842.84, 3858658.69	0.13849	4.08E-03	4.16E-03	4.16E-03
5470	488856.39, 3858670.93	0.14448	4.26E-03	4.34E-03	4.34E-03
5471	488805.7, 3858724.5	0.17448	5.14E-03	5.25E-03	5.24E-03
5472	488805.87, 3858804.16	0.27032	7.97E-03	8.13E-03	8.12E-03
5473	488995.78, 3858936.96	2.48079	7.31E-02	7.46E-02	7.45E-02
5474	489130.76, 3859017.38	2.78393	8.20E-02	8.37E-02	8.36E-02
5475	489130.92, 3859052.24	2.4599	7.25E-02	7.40E-02	7.39E-02
5476	489200.33, 3859090.6	3.13071	9.23E-02	9.41E-02	9.40E-02
5477	489296.07, 3859143.7	3.37285	9.94E-02	1.01E-01	1.01E-01
5478	489296.43, 3858954.74	0.92228	2.72E-02	2.77E-02	2.77E-02
5479	489410.33, 3859033.19	1.09406	3.22E-02	3.29E-02	3.29E-02
5480	489371.37, 3859089.8	1.68416	4.96E-02	5.06E-02	5.06E-02
5481	489390.52, 3859102.82	1.7185	5.06E-02	5.17E-02	5.16E-02
5482	489382.3, 3859114.53	1.917	5.65E-02	5.76E-02	5.76E-02
5483	489363.04, 3859102.45	1.88905	5.57E-02	5.68E-02	5.67E-02
5484	489337.52, 3859140.71	2.91013	8.58E-02	8.75E-02	8.74E-02
5485	489375.14, 3859164.55	3.07274	9.05E-02	9.24E-02	9.23E-02
5486	489409.3, 3859114.5	1.74303	5.14E-02	5.24E-02	5.23E-02

5487	489434.87, 3859131.81	1.79722	5.30E-02	5.40E-02	5.40E-02
5488	489471.87, 3859075.75	1.17188	3.45E-02	3.52E-02	3.52E-02
5489	489602.62, 3859164.69	1.34196	3.95E-02	4.04E-02	4.03E-02
5490	489558.29, 3859232.45	2.38352	7.02E-02	7.17E-02	7.16E-02
5491	489620.11, 3859273.56	2.56301	7.55E-02	7.71E-02	7.70E-02
5492	489666.06, 3859206.42	1.41795	4.18E-02	4.26E-02	4.26E-02
5493	489787.9, 3859285.65	1.55362	4.58E-02	4.67E-02	4.67E-02
5494	489752.17, 3859343.13	2.55557	7.53E-02	7.68E-02	7.68E-02
5495	489814.94, 3859385.33	2.75645	8.12E-02	8.29E-02	8.28E-02
5496	489853.42, 3859330.74	1.64976	4.86E-02	4.96E-02	4.95E-02
5497	489969.5, 3859401.91	1.75034	5.16E-02	5.26E-02	5.26E-02
5498	490166.91, 3859486.96	1.6252	4.79E-02	4.89E-02	4.88E-02
5499	490128.86, 3859571.46	3.77569	1.11E-01	1.14E-01	1.13E-01
5500	490186.65, 3859593.65	3.83973	1.13E-01	1.15E-01	1.15E-01
5501	490223.74, 3859517.48	1.6826	4.96E-02	5.06E-02	5.05E-02
5502	490846.34, 3859817.22	2.49196	7.34E-02	7.49E-02	7.48E-02
5503	490925.65, 3859844.59	2.31012	6.81E-02	6.95E-02	6.94E-02
5504	491159.29, 3859896.28	1.678	4.94E-02	5.05E-02	5.04E-02
5505	491370.69, 3859960.89	1.25795	3.71E-02	3.78E-02	3.78E-02
5506	491330.28, 3860063.17	1.98585	5.85E-02	5.97E-02	5.96E-02
5507	491636.45, 3860180.75	1.26186	3.72E-02	3.79E-02	3.79E-02
5508	491617.94, 3860203.93	1.42517	4.20E-02	4.29E-02	4.28E-02
5509	491805.68, 3860271.59	1.11085	3.27E-02	3.34E-02	3.34E-02
5510	491654.23, 3860414.02	1.93323	5.70E-02	5.81E-02	5.81E-02
5511	491592.62, 3860510.76	0.65984	1.94E-02	1.98E-02	1.98E-02
5512	491475.41, 3860368.93	1.01554	2.99E-02	3.05E-02	3.05E-02
5513	491445.61, 3860337.28	1.1126	3.28E-02	3.35E-02	3.34E-02
5514	491399.05, 3860300.37	1.16676	3.44E-02	3.51E-02	3.50E-02
5515	491228.84, 3860235.98	0.78868	2.32E-02	2.37E-02	2.37E-02
5516	491228.47, 3860174.57	1.24363	3.66E-02	3.74E-02	3.73E-02
5517	491145.77, 3860112.55	1.27821	3.77E-02	3.84E-02	3.84E-02
5518	490844.41, 3859966.22	1.21866	3.59E-02	3.66E-02	3.66E-02
5519	490845.55, 3859928.15	1.93807	5.71E-02	5.83E-02	5.82E-02
5520	490046.91, 3859625.6	1.49387	4.40E-02	4.49E-02	4.49E-02
5521	489970.48, 3859589.4	1.49397	4.40E-02	4.49E-02	4.49E-02
5522	489865.89, 3859529.06	1.58832	4.68E-02	4.78E-02	4.77E-02
5523	489826.89, 3859531.74	1.224	3.61E-02	3.68E-02	3.68E-02
5524	489410.47, 3859303.06	1.17898	3.47E-02	3.54E-02	3.54E-02
5525	489407.15, 3859286.09	1.38886	4.09E-02	4.18E-02	4.17E-02
5526	488806.07, 3858963.62	0.55568	1.64E-02	1.67E-02	1.67E-02
5527	488817.64, 3859546.3	0.16855	4.97E-03	5.07E-03	5.06E-03
5528	489187.25, 3859549.52	0.26344	7.76E-03	7.92E-03	7.91E-03
5529	489187.66, 3859523.74	0.27769	8.18E-03	8.35E-03	8.34E-03
5530	489232.59, 3859522.85	0.29849	8.80E-03	8.98E-03	8.96E-03
5531	489224.98, 3859759.91	0.19339	5.70E-03	5.81E-03	5.81E-03
5532	488401.39, 3859763.34	0.09289	2.74E-03	2.79E-03	2.79E-03
5533	488405.51, 3859966.16	0.08271	2.44E-03	2.49E-03	2.48E-03
5534	489202.85, 3859956.57	0.14841	4.37E-03	4.46E-03	4.46E-03
5535	489191.9, 3860676.74	0.0763	2.25E-03	2.29E-03	2.29E-03
5536	488392.82, 3860687.88	0.05629	1.66E-03	1.69E-03	1.69E-03
5537	488392.82, 3860760.27	0.05468	1.61E-03	1.64E-03	1.64E-03
5538	487549.05, 3860777.45	0.03937	1.16E-03	1.18E-03	1.18E-03
5539	487554.62, 3859571.83	0.05587	1.65E-03	1.68E-03	1.68E-03
5540	485949.46, 3859558.54	0.02927	8.62E-04	8.80E-04	8.79E-04
5541	485947.55, 3857943.61	0.02957	8.71E-04	8.89E-04	8.88E-04
5542	484738.38, 3857940.21	0.02631	7.75E-04	7.91E-04	7.90E-04
5543	484737.06, 3857535.68	0.02618	7.71E-04	7.87E-04	7.86E-04
5544	483730.2, 3857530.13	0.02524	7.44E-04	7.59E-04	7.58E-04
5545	483727.27, 3857130.01	0.02601	7.66E-04	7.82E-04	7.81E-04
5546	483124.42, 3857123.45	0.02549	7.51E-04	7.66E-04	7.66E-04
5547	483111.13, 3855921.03	0.03334	9.82E-04	1.00E-03	1.00E-03

5548 482701.73, 3855918.24	0.03305	9.74E-04	9.94E-04	9.93E-04
5549 482668.02, 3853521.78	0.33284	9.81E-03	1.00E-02	1.00E-02
5550 482579.91, 3853219.19	0.66694	1.97E-02	2.01E-02	2.00E-02
5551 482434.06, 3852961.94	0.9139	2.69E-02	2.75E-02	2.74E-02
5552 482332.11, 3852832.85	1.05547	3.11E-02	3.17E-02	3.17E-02
5553 481334.99, 3851818.96	1.0575	3.12E-02	3.18E-02	3.18E-02
5554 481127.62, 3851646.36	1.11443	3.28E-02	3.35E-02	3.35E-02
5555 481025.04, 3851591.73	1.04174	3.07E-02	3.13E-02	3.13E-02
5556 480513.6, 3851335.76	1.04373	3.08E-02	3.14E-02	3.13E-02
5557 480523.56, 3851317.66	1.22609	3.61E-02	3.69E-02	3.68E-02
5558 476921.56, 3849569.11	1.29756	3.82E-02	3.90E-02	3.90E-02
5559 476521.19, 3849373.96	1.72807	5.09E-02	5.20E-02	5.19E-02
5560 476391.45, 3849333.38	1.77023	5.22E-02	5.32E-02	5.32E-02
5561 476219.41, 3849304.29	1.69056	4.98E-02	5.08E-02	5.08E-02
5562 475679.11, 3849218.47	1.48862	4.39E-02	4.48E-02	4.47E-02
5563 475677.71, 3849233.88	1.22819	3.62E-02	3.69E-02	3.69E-02
5564 475492.74, 3849204.66	0.78153	2.30E-02	2.35E-02	2.35E-02
5565 475497.64, 3849158.75	1.90732	5.62E-02	5.73E-02	5.73E-02
5566 475391.35, 3849141.94	1.30262	3.84E-02	3.92E-02	3.91E-02
5567 475277, 3849095.47	1.12273	3.31E-02	3.38E-02	3.37E-02
5568 475183.93, 3849025.66	1.29314	3.81E-02	3.89E-02	3.88E-02
5569 474453.23, 3848378.77	1.47362	4.34E-02	4.43E-02	4.43E-02
5570 474569.63, 3848399.34	2.8156	8.30E-02	8.47E-02	8.46E-02
5571 474644.33, 3848464.52	2.6013	7.67E-02	7.82E-02	7.81E-02
5572 474719.04, 3848529.7	3.38839	9.98E-02	1.02E-01	1.02E-01
5573 474793.74, 3848594.88	2.89637	8.53E-02	8.71E-02	8.70E-02
5574 474868.45, 3848660.07	3.35253	9.88E-02	1.01E-01	1.01E-01
5575 474943.15, 3848725.25	3.34227	9.85E-02	1.00E-01	1.00E-01
5576 475017.86, 3848790.43	3.3682	9.92E-02	1.01E-01	1.01E-01
5577 475092.56, 3848855.61	3.36711	9.92E-02	1.01E-01	1.01E-01
5578 475232.58, 3848959.38	3.24463	9.56E-02	9.76E-02	9.74E-02
5579 475368.47, 3849029.98	3.31804	9.78E-02	9.98E-02	9.96E-02
5580 475609.57, 3849096.09	2.79471	8.23E-02	8.40E-02	8.39E-02
5581 475680.68, 3849116.62	3.09401	9.12E-02	9.30E-02	9.29E-02
5582 475843.76, 3849151.52	3.70198	1.09E-01	1.11E-01	1.11E-01
5583 475935.73, 3849165.89	3.54769	1.05E-01	1.07E-01	1.07E-01
5584 476027.71, 3849180.27	3.59591	1.06E-01	1.08E-01	1.08E-01
5585 476119.68, 3849194.64	4.05406	1.19E-01	1.22E-01	1.22E-01
5586 476211.65, 3849209.01	4.21855	1.24E-01	1.27E-01	1.27E-01
5587 476497.81, 3849283.9	3.9298	1.16E-01	1.18E-01	1.18E-01
5588 476603.73, 3849323.77	4.19453	1.24E-01	1.26E-01	1.26E-01
5589 476728.99, 3849382.76	3.26783	9.63E-02	9.83E-02	9.81E-02
5590 476801.27, 3849418.65	3.43165	1.01E-01	1.03E-01	1.03E-01
5591 476956.2, 3849495.05	3.72729	1.10E-01	1.12E-01	1.12E-01
5592 477038.84, 3849535.56	3.49886	1.03E-01	1.05E-01	1.05E-01
5593 477121.49, 3849576.08	3.43318	1.01E-01	1.03E-01	1.03E-01
5594 477204.13, 3849616.6	3.34142	9.85E-02	1.00E-01	1.00E-01
5595 477286.78, 3849657.12	3.12064	9.20E-02	9.38E-02	9.37E-02
5596 477369.42, 3849697.63	3.03281	8.94E-02	9.12E-02	9.11E-02
5597 477452.07, 3849738.15	3.08789	9.10E-02	9.28E-02	9.27E-02
5598 477534.71, 3849778.67	2.95667	8.71E-02	8.89E-02	8.88E-02
5599 477617.36, 3849819.18	2.94108	8.67E-02	8.84E-02	8.83E-02
5600 477824.74, 3849896.37	3.70228	1.09E-01	1.11E-01	1.11E-01
5601 477906.31, 3849936.37	3.96435	1.17E-01	1.19E-01	1.19E-01
5602 477987.89, 3849976.36	3.85189	1.14E-01	1.16E-01	1.16E-01
5603 478069.47, 3850016.36	4.00601	1.18E-01	1.20E-01	1.20E-01
5604 478151.04, 3850056.35	3.58095	1.06E-01	1.08E-01	1.08E-01
5605 478232.62, 3850096.35	3.59836	1.06E-01	1.08E-01	1.08E-01
5606 478314.2, 3850136.34	3.58823	1.06E-01	1.08E-01	1.08E-01
5607 478395.77, 3850176.34	3.56486	1.05E-01	1.07E-01	1.07E-01
5608 478575.43, 3850244.45	3.26792	9.63E-02	9.83E-02	9.81E-02

5609	478665.06, 3850287.29	3.24599	9.56E-02	9.76E-02	9.75E-02
5610	478754.69, 3850330.14	3.21427	9.47E-02	9.66E-02	9.65E-02
5611	478844.32, 3850372.99	3.14056	9.25E-02	9.44E-02	9.43E-02
5612	478933.95, 3850415.84	3.03616	8.95E-02	9.13E-02	9.12E-02
5613	479023.58, 3850458.68	3.14645	9.27E-02	9.46E-02	9.45E-02
5614	479110.66, 3850441.91	1.99168	5.87E-02	5.99E-02	5.98E-02
5615	479191.22, 3850423.99	1.51718	4.47E-02	4.56E-02	4.56E-02
5616	479274.32, 3850465.71	1.54177	4.54E-02	4.64E-02	4.63E-02
5617	479357.43, 3850507.42	1.57395	4.64E-02	4.73E-02	4.73E-02
5618	479440.53, 3850549.14	1.58192	4.66E-02	4.76E-02	4.75E-02
5619	479523.64, 3850590.85	1.58587	4.67E-02	4.77E-02	4.76E-02
5620	479606.74, 3850632.57	1.59786	4.71E-02	4.80E-02	4.80E-02
5621	479777.37, 3850707.61	1.53842	4.53E-02	4.63E-02	4.62E-02
5622	479864.9, 3850740.95	1.48558	4.38E-02	4.47E-02	4.46E-02
5623	479931.87, 3850829.57	1.94052	5.72E-02	5.83E-02	5.83E-02
5624	479995.55, 3850926.75	3.09817	9.13E-02	9.32E-02	9.30E-02
5625	480079.78, 3850968.64	3.09235	9.11E-02	9.30E-02	9.29E-02
5626	480164.01, 3851010.54	3.07912	9.07E-02	9.26E-02	9.25E-02
5627	480248.23, 3851052.43	3.0465	8.98E-02	9.16E-02	9.15E-02
5628	480332.46, 3851094.33	3.08321	9.09E-02	9.27E-02	9.26E-02
5629	480416.69, 3851136.22	3.24205	9.55E-02	9.75E-02	9.74E-02
5630	480579.95, 3851215.17	3.3106	9.76E-02	9.95E-02	9.94E-02
5631	480658.98, 3851252.22	3.27737	9.66E-02	9.85E-02	9.84E-02
5632	480817.36, 3851327.85	3.23817	9.54E-02	9.74E-02	9.73E-02
5633	480896.72, 3851366.43	3.25531	9.59E-02	9.79E-02	9.78E-02
5634	480976.07, 3851405	3.24901	9.57E-02	9.77E-02	9.76E-02
5635	481178, 3851487.31	2.44209	7.20E-02	7.34E-02	7.33E-02
5636	481244.9, 3851557.17	2.7024	7.96E-02	8.13E-02	8.12E-02
5637	481311.81, 3851627.03	2.99418	8.82E-02	9.00E-02	8.99E-02
5638	481378.71, 3851696.89	3.05157	8.99E-02	9.18E-02	9.16E-02
5639	481445.61, 3851766.76	3.19102	9.40E-02	9.59E-02	9.58E-02
5640	481512.51, 3851836.62	3.20691	9.45E-02	9.64E-02	9.63E-02
5641	481579.42, 3851906.48	3.17256	9.35E-02	9.54E-02	9.53E-02
5642	481646.32, 3851976.34	3.17095	9.34E-02	9.53E-02	9.52E-02
5643	481713.22, 3852046.2	3.14733	9.27E-02	9.46E-02	9.45E-02
5644	481780.12, 3852116.06	3.15832	9.31E-02	9.50E-02	9.49E-02
5645	481847.03, 3852185.92	3.16074	9.31E-02	9.50E-02	9.49E-02
5646	481913.93, 3852255.78	3.14067	9.25E-02	9.44E-02	9.43E-02
5647	481980.83, 3852325.65	2.97943	8.78E-02	8.96E-02	8.95E-02
5648	482047.73, 3852395.51	3.0365	8.95E-02	9.13E-02	9.12E-02
5649	482114.64, 3852465.37	2.92192	8.61E-02	8.79E-02	8.78E-02
5650	482181.54, 3852535.23	3.02707	8.92E-02	9.10E-02	9.09E-02
5651	482338.69, 3852700.05	3.07879	9.07E-02	9.26E-02	9.25E-02
5652	482404.05, 3852767.78	3.05966	9.02E-02	9.20E-02	9.19E-02
5653	482469.4, 3852835.52	3.09467	9.12E-02	9.31E-02	9.29E-02
5654	482534.75, 3852903.25	3.07121	9.05E-02	9.23E-02	9.22E-02
5655	482600.11, 3852970.99	2.85418	8.41E-02	8.58E-02	8.57E-02
5656	482706.71, 3853119.28	2.66569	7.85E-02	8.02E-02	8.01E-02
5657	482747.96, 3853199.84	2.69871	7.95E-02	8.11E-02	8.10E-02
5658	482789.21, 3853280.4	2.49666	7.36E-02	7.51E-02	7.50E-02
5659	482830.46, 3853360.96	2.25117	6.63E-02	6.77E-02	6.76E-02
5660	482871.71, 3853441.52	1.87931	5.54E-02	5.65E-02	5.64E-02
5661	482912.95, 3853522.07	0.52214	1.54E-02	1.57E-02	1.57E-02
5662	482954.2, 3853602.63	0.26903	7.93E-03	8.09E-03	8.08E-03
5663	482995.45, 3853683.19	0.19364	5.71E-03	5.82E-03	5.82E-03
5664	483036.7, 3853763.75	0.15478	4.56E-03	4.65E-03	4.65E-03
5665	483214.2, 3853909.91	0.11222	3.31E-03	3.37E-03	3.37E-03
5666	483307.01, 3853910.44	0.11373	3.35E-03	3.42E-03	3.42E-03
5667	483399.83, 3853910.96	0.1133	3.34E-03	3.41E-03	3.40E-03
5668	483494.52, 3854009.24	0.09959	2.93E-03	2.99E-03	2.99E-03
5669	483496.41, 3854106.98	0.08915	2.63E-03	2.68E-03	2.68E-03

5670 483577.56, 3854261.96	0.07421	2.19E-03	2.23E-03	2.23E-03
5671 483656.83, 3854319.19	0.06912	2.04E-03	2.08E-03	2.08E-03
5672 483736.1, 3854376.41	0.06437	1.90E-03	1.94E-03	1.93E-03
5673 483815.37, 3854433.64	0.06006	1.77E-03	1.81E-03	1.80E-03
5674 483894.63, 3854490.87	0.05592	1.65E-03	1.68E-03	1.68E-03
5675 483973.9, 3854548.1	0.05224	1.54E-03	1.57E-03	1.57E-03
5676 484053.17, 3854605.32	0.04958	1.46E-03	1.49E-03	1.49E-03
5677 484214.97, 3854698.15	0.04658	1.37E-03	1.40E-03	1.40E-03
5678 484297.5, 3854733.74	0.04675	1.38E-03	1.41E-03	1.40E-03
5679 484380.03, 3854769.34	0.04605	1.36E-03	1.38E-03	1.38E-03
5680 484462.56, 3854804.94	0.04603	1.36E-03	1.38E-03	1.38E-03
5681 484545.09, 3854840.53	0.04515	1.33E-03	1.36E-03	1.36E-03
5682 484691.88, 3854912.59	0.04507	1.33E-03	1.36E-03	1.35E-03
5683 484830.81, 3855012.51	0.0441	1.30E-03	1.33E-03	1.32E-03
5684 484905.48, 3855075.97	0.04383	1.29E-03	1.32E-03	1.32E-03
5685 484980.14, 3855139.44	0.04314	1.27E-03	1.30E-03	1.30E-03
5686 485054.81, 3855202.91	0.04217	1.24E-03	1.27E-03	1.27E-03
5687 485129.48, 3855266.37	0.0409	1.21E-03	1.23E-03	1.23E-03
5688 485204.15, 3855329.84	0.04032	1.19E-03	1.21E-03	1.21E-03
5689 485278.82, 3855393.31	0.03944	1.16E-03	1.19E-03	1.18E-03
5690 485353.48, 3855456.77	0.03875	1.14E-03	1.17E-03	1.16E-03
5691 485428.15, 3855520.24	0.03795	1.12E-03	1.14E-03	1.14E-03
5692 485502.82, 3855583.71	0.03722	1.10E-03	1.12E-03	1.12E-03
5693 485577.49, 3855647.17	0.0367	1.08E-03	1.10E-03	1.10E-03
5694 485652.16, 3855710.64	0.0362	1.07E-03	1.09E-03	1.09E-03
5695 485726.83, 3855774.11	0.03559	1.05E-03	1.07E-03	1.07E-03
5696 485801.49, 3855837.57	0.03495	1.03E-03	1.05E-03	1.05E-03
5697 485876.16, 3855901.04	0.03441	1.01E-03	1.03E-03	1.03E-03
5698 485950.83, 3855964.5	0.03386	9.98E-04	1.02E-03	1.02E-03
5699 486025.5, 3856027.97	0.03326	9.80E-04	1.00E-03	9.99E-04
5700 486100.17, 3856091.44	0.03304	9.74E-04	9.93E-04	9.92E-04
5701 486174.83, 3856154.9	0.03247	9.57E-04	9.76E-04	9.75E-04
5702 486249.5, 3856218.37	0.03165	9.33E-04	9.52E-04	9.51E-04
5703 486324.17, 3856281.84	0.0309	9.11E-04	9.29E-04	9.28E-04
5704 486398.84, 3856345.3	0.03069	9.04E-04	9.23E-04	9.22E-04
5705 486473.51, 3856408.77	0.03037	8.95E-04	9.13E-04	9.12E-04
5706 486548.17, 3856472.24	0.03025	8.91E-04	9.10E-04	9.08E-04
5707 486622.84, 3856535.7	0.03017	8.89E-04	9.07E-04	9.06E-04
5708 486765.48, 3856659.69	0.03026	8.92E-04	9.10E-04	9.09E-04
5709 486833.44, 3856720.2	0.03029	8.93E-04	9.11E-04	9.10E-04
5710 486901.41, 3856780.72	0.03042	8.96E-04	9.15E-04	9.14E-04
5711 486969.38, 3856841.24	0.03054	9.00E-04	9.18E-04	9.17E-04
5712 487037.34, 3856901.75	0.0307	9.05E-04	9.23E-04	9.22E-04
5713 487271.23, 3856855.51	0.03074	9.06E-04	9.24E-04	9.23E-04
5714 487368.96, 3856857.29	0.03065	9.03E-04	9.22E-04	9.20E-04
5715 487466.68, 3856859.06	0.03065	9.03E-04	9.22E-04	9.20E-04
5716 487636.44, 3856930	0.03089	9.10E-04	9.29E-04	9.28E-04
5717 487709.57, 3856928.43	0.03102	9.14E-04	9.33E-04	9.32E-04
5718 487782.55, 3856841.96	0.03091	9.11E-04	9.29E-04	9.28E-04
5719 487849.83, 3856754.74	0.03083	9.08E-04	9.27E-04	9.26E-04
5720 487918.03, 3856819.39	0.03111	9.17E-04	9.35E-04	9.34E-04
5721 487918.8, 3856886.37	0.03136	9.24E-04	9.43E-04	9.42E-04
5722 488065.47, 3857127.51	0.03234	9.53E-04	9.72E-04	9.71E-04
5723 488192.19, 3857385.84	0.03471	1.02E-03	1.04E-03	1.04E-03
5724 488191.22, 3857473.87	0.03582	1.06E-03	1.08E-03	1.08E-03
5725 488190.24, 3857561.91	0.03713	1.09E-03	1.12E-03	1.12E-03
5726 488158.35, 3857691.13	0.03925	1.16E-03	1.18E-03	1.18E-03
5727 488208.37, 3857816.66	0.04201	1.24E-03	1.26E-03	1.26E-03
5728 488271.97, 3857874.6	0.04372	1.29E-03	1.31E-03	1.31E-03
5729 488463.56, 3857942.31	0.04722	1.39E-03	1.42E-03	1.42E-03
5730 488554.83, 3857940.83	0.04747	1.40E-03	1.43E-03	1.43E-03

5731 488646.1, 3857939.36	0.04772	1.41E-03	1.43E-03	1.43E-03
5732 488737.37, 3857937.88	0.04805	1.42E-03	1.44E-03	1.44E-03
5733 488733.59, 3857960.57	0.04877	1.44E-03	1.47E-03	1.46E-03
5734 488638.09, 3857961.57	0.04843	1.43E-03	1.46E-03	1.45E-03
5735 488542.6, 3857962.56	0.04827	1.42E-03	1.45E-03	1.45E-03
5736 488447.1, 3857963.56	0.04793	1.41E-03	1.44E-03	1.44E-03
5737 488254.28, 3857890.36	0.04413	1.30E-03	1.33E-03	1.33E-03
5738 488191.69, 3857833.06	0.04228	1.25E-03	1.27E-03	1.27E-03
5739 488129.5, 3857907.43	0.04381	1.29E-03	1.32E-03	1.32E-03
5740 488196.47, 3857968.74	0.04602	1.36E-03	1.38E-03	1.38E-03
5741 488263.44, 3858030.04	0.04858	1.43E-03	1.46E-03	1.46E-03
5742 488400.64, 3858132.9	0.05423	1.60E-03	1.63E-03	1.63E-03
5743 488519.89, 3858218.38	0.06092	1.80E-03	1.83E-03	1.83E-03
5744 488647.97, 3858214.99	0.06111	1.80E-03	1.84E-03	1.84E-03
5745 488727.05, 3858167.67	0.05844	1.72E-03	1.76E-03	1.76E-03
5746 488806.12, 3858120.35	0.05604	1.65E-03	1.69E-03	1.68E-03
5747 488885.2, 3858073.03	0.05375	1.58E-03	1.62E-03	1.61E-03
5748 489055.76, 3857991.18	0.04971	1.46E-03	1.49E-03	1.49E-03
5749 489245.39, 3857944.55	0.04554	1.34E-03	1.37E-03	1.37E-03
5750 489430.63, 3857930.91	0.04331	1.28E-03	1.30E-03	1.30E-03
5751 489517.74, 3857929.36	0.04246	1.25E-03	1.28E-03	1.28E-03
5752 489604.86, 3857927.82	0.04168	1.23E-03	1.25E-03	1.25E-03
5753 489691.97, 3857926.28	0.04128	1.22E-03	1.24E-03	1.24E-03
5754 489779.08, 3857924.73	0.04088	1.20E-03	1.23E-03	1.23E-03
5755 490017.55, 3857875.09	0.03845	1.13E-03	1.16E-03	1.15E-03
5756 490033.82, 3857960.81	0.04137	1.22E-03	1.24E-03	1.24E-03
5757 489959.15, 3857987.49	0.04294	1.27E-03	1.29E-03	1.29E-03
5758 489791.49, 3858016.12	0.04393	1.29E-03	1.32E-03	1.32E-03
5759 489698.51, 3858018.07	0.04455	1.31E-03	1.34E-03	1.34E-03
5760 489605.52, 3858020.02	0.04527	1.33E-03	1.36E-03	1.36E-03
5761 489512.53, 3858021.96	0.04615	1.36E-03	1.39E-03	1.39E-03
5762 489419.55, 3858023.91	0.04732	1.39E-03	1.42E-03	1.42E-03
5763 489228.47, 3858041.29	0.0492	1.45E-03	1.48E-03	1.48E-03
5764 489065.75, 3858085.78	0.05347	1.58E-03	1.61E-03	1.61E-03
5765 489001.12, 3858114.86	0.05547	1.63E-03	1.67E-03	1.67E-03
5766 488861.89, 3858189.81	0.05989	1.76E-03	1.80E-03	1.80E-03
5767 488787.29, 3858235.69	0.06309	1.86E-03	1.90E-03	1.89E-03
5768 488712.68, 3858281.57	0.06611	1.95E-03	1.99E-03	1.99E-03
5769 488654.39, 3858436.17	0.0817	2.41E-03	2.46E-03	2.45E-03
5770 488726.31, 3858505.26	0.093	2.74E-03	2.80E-03	2.79E-03
5771 488880.6, 3858599.28	0.1172	3.45E-03	3.52E-03	3.52E-03
5772 489008.06, 3858714.75	0.17174	5.06E-03	5.16E-03	5.16E-03
5773 489071.48, 3858772.72	0.24899	7.34E-03	7.49E-03	7.48E-03
5774 489244.6, 3858920.2	0.8208	2.42E-02	2.47E-02	2.47E-02
5775 489239.69, 3858952.23	1.04254	3.07E-02	3.13E-02	3.13E-02
5776 489121.67, 3858854.49	0.56847	1.68E-02	1.71E-02	1.71E-02
5777 489059.59, 3858797.27	0.30553	9.00E-03	9.19E-03	9.18E-03
5778 488997.52, 3858740.04	0.19313	5.69E-03	5.81E-03	5.80E-03
5779 488935.44, 3858682.82	0.15059	4.44E-03	4.53E-03	4.52E-03
5780 488869.17, 3858848.43	0.45894	1.35E-02	1.38E-02	1.38E-02
5781 488932.48, 3858892.69	1.58376	4.67E-02	4.76E-02	4.76E-02
5782 489063.27, 3858977.17	2.69657	7.95E-02	8.11E-02	8.10E-02
5783 489248.2, 3859117.15	3.25467	9.59E-02	9.79E-02	9.77E-02
5784 489296.25, 3859049.22	1.67677	4.94E-02	5.04E-02	5.04E-02
5785 489353.38, 3858993.97	1.01615	2.99E-02	3.06E-02	3.05E-02
5786 489537.25, 3859120.22	1.25379	3.69E-02	3.77E-02	3.77E-02
5787 489726.98, 3859246.04	1.48586	4.38E-02	4.47E-02	4.46E-02
5788 489911.46, 3859366.33	1.68798	4.97E-02	5.08E-02	5.07E-02
5789 490035.3, 3859430.26	1.69561	5.00E-02	5.10E-02	5.09E-02
5790 490101.11, 3859458.61	1.65314	4.87E-02	4.97E-02	4.96E-02
5791 490312.68, 3859560.3	1.77584	5.23E-02	5.34E-02	5.33E-02

5792	490401.63, 3859603.12	1.88481	5.55E-02	5.67E-02	5.66E-02
5793	490490.57, 3859645.94	1.9998	5.89E-02	6.01E-02	6.01E-02
5794	490579.51, 3859688.76	2.1144	6.23E-02	6.36E-02	6.35E-02
5795	490668.45, 3859731.58	2.17834	6.42E-02	6.55E-02	6.54E-02
5796	490757.4, 3859774.4	2.37797	7.01E-02	7.15E-02	7.14E-02
5797	491003.53, 3859861.82	2.14311	6.31E-02	6.44E-02	6.44E-02
5798	491081.41, 3859879.05	1.91119	5.63E-02	5.75E-02	5.74E-02
5799	491229.76, 3859917.82	1.5417	4.54E-02	4.64E-02	4.63E-02
5800	491300.22, 3859939.35	1.39029	4.10E-02	4.18E-02	4.18E-02
5801	491350.49, 3860012.03	1.54404	4.55E-02	4.64E-02	4.64E-02
5802	491406.82, 3860092.57	1.74039	5.13E-02	5.23E-02	5.23E-02
5803	491483.37, 3860121.96	1.55026	4.57E-02	4.66E-02	4.66E-02
5804	491559.91, 3860151.36	1.39341	4.11E-02	4.19E-02	4.18E-02
5805	491711.81, 3860237.76	0.96147	2.83E-02	2.89E-02	2.89E-02
5806	491755.2, 3860319.07	1.38717	4.09E-02	4.17E-02	4.17E-02
5807	491704.71, 3860366.54	1.98444	5.85E-02	5.97E-02	5.96E-02
5808	491623.43, 3860462.39	1.17416	3.46E-02	3.53E-02	3.53E-02
5809	491534.02, 3860439.85	0.67158	1.98E-02	2.02E-02	2.02E-02
5810	491313.95, 3860268.18	0.90957	2.68E-02	2.73E-02	2.73E-02
5811	491187.12, 3860143.56	1.26549	3.73E-02	3.81E-02	3.80E-02
5812	491070.43, 3860075.97	1.17417	3.46E-02	3.53E-02	3.53E-02
5813	490995.09, 3860039.39	1.1005	3.24E-02	3.31E-02	3.31E-02
5814	490919.75, 3860002.8	1.10646	3.26E-02	3.33E-02	3.32E-02
5815	490756.81, 3859894.53	1.90085	5.60E-02	5.72E-02	5.71E-02
5816	490668.07, 3859860.92	1.81776	5.36E-02	5.47E-02	5.46E-02
5817	490579.34, 3859827.3	1.81598	5.35E-02	5.46E-02	5.45E-02
5818	490490.6, 3859793.68	1.72863	5.09E-02	5.20E-02	5.19E-02
5819	490401.86, 3859760.07	1.6686	4.92E-02	5.02E-02	5.01E-02
5820	490313.12, 3859726.45	1.65508	4.88E-02	4.98E-02	4.97E-02
5821	490224.39, 3859692.83	1.63161	4.81E-02	4.91E-02	4.90E-02
5822	490135.65, 3859659.22	1.59662	4.70E-02	4.80E-02	4.80E-02
5823	489918.19, 3859559.23	1.56003	4.60E-02	4.69E-02	4.69E-02
5824	489743.61, 3859486	1.2156	3.58E-02	3.66E-02	3.65E-02
5825	489660.32, 3859440.27	1.20373	3.55E-02	3.62E-02	3.62E-02
5826	489577.04, 3859394.53	1.19826	3.53E-02	3.60E-02	3.60E-02
5827	489493.75, 3859348.8	1.18344	3.49E-02	3.56E-02	3.55E-02
5828	489321.28, 3859240.02	1.34456	3.96E-02	4.04E-02	4.04E-02
5829	489235.41, 3859193.96	1.31003	3.86E-02	3.94E-02	3.93E-02
5830	489149.54, 3859147.89	1.15201	3.39E-02	3.46E-02	3.46E-02
5831	489063.68, 3859101.82	1.05325	3.10E-02	3.17E-02	3.16E-02
5832	488977.81, 3859055.75	0.94447	2.78E-02	2.84E-02	2.84E-02
5833	488891.94, 3859009.69	0.76993	2.27E-02	2.32E-02	2.31E-02
5834	488808, 3859060.73	0.39675	1.17E-02	1.19E-02	1.19E-02
5835	488809.93, 3859157.85	0.30985	9.13E-03	9.32E-03	9.31E-03
5836	488811.86, 3859254.96	0.25477	7.51E-03	7.66E-03	7.65E-03
5837	488813.78, 3859352.07	0.21668	6.38E-03	6.52E-03	6.51E-03
5838	488815.71, 3859449.19	0.1897	5.59E-03	5.70E-03	5.70E-03
5839	488910.04, 3859547.11	0.18623	5.49E-03	5.60E-03	5.59E-03
5840	489002.45, 3859547.91	0.20768	6.12E-03	6.24E-03	6.24E-03
5841	489094.85, 3859548.72	0.23372	6.89E-03	7.03E-03	7.02E-03
5842	489230.05, 3859601.87	0.25155	7.41E-03	7.56E-03	7.55E-03
5843	489227.52, 3859680.89	0.21879	6.45E-03	6.58E-03	6.57E-03
5844	489133.47, 3859760.29	0.17712	5.22E-03	5.33E-03	5.32E-03
5845	489041.96, 3859760.67	0.16256	4.79E-03	4.89E-03	4.88E-03
5846	488950.45, 3859761.05	0.14951	4.41E-03	4.50E-03	4.49E-03
5847	488858.94, 3859761.43	0.13823	4.07E-03	4.16E-03	4.15E-03
5848	488767.43, 3859761.82	0.12709	3.74E-03	3.82E-03	3.82E-03
5849	488675.92, 3859762.2	0.11759	3.46E-03	3.54E-03	3.53E-03
5850	488584.41, 3859762.58	0.10841	3.19E-03	3.26E-03	3.26E-03
5851	488492.9, 3859762.96	0.10043	2.96E-03	3.02E-03	3.02E-03
5852	488402.76, 3859830.95	0.08975	2.64E-03	2.70E-03	2.70E-03

5853 488404.14, 3859898.55	0.08589	2.53E-03	2.58E-03	2.58E-03
5854 488505.18, 3859964.96	0.08852	2.61E-03	2.66E-03	2.66E-03
5855 488604.85, 3859963.76	0.09497	2.80E-03	2.86E-03	2.85E-03
5856 488704.51, 3859962.56	0.10215	3.01E-03	3.07E-03	3.07E-03
5857 488804.18, 3859961.37	0.11002	3.24E-03	3.31E-03	3.30E-03
5858 488903.85, 3859960.17	0.11848	3.49E-03	3.56E-03	3.56E-03
5859 489003.52, 3859958.97	0.12731	3.75E-03	3.83E-03	3.82E-03
5860 489103.18, 3859957.77	0.13707	4.04E-03	4.12E-03	4.12E-03
5861 489201.48, 3860046.59	0.13445	3.96E-03	4.04E-03	4.04E-03
5862 489200.11, 3860136.61	0.12217	3.60E-03	3.67E-03	3.67E-03
5863 489198.74, 3860226.63	0.11177	3.29E-03	3.36E-03	3.36E-03
5864 489197.38, 3860316.66	0.10261	3.02E-03	3.09E-03	3.08E-03
5865 489196.01, 3860406.68	0.09496	2.80E-03	2.86E-03	2.85E-03
5866 489194.64, 3860496.7	0.08759	2.58E-03	2.63E-03	2.63E-03
5867 489193.27, 3860586.72	0.08165	2.41E-03	2.46E-03	2.45E-03
5868 489092.02, 3860678.13	0.07315	2.16E-03	2.20E-03	2.20E-03
5869 488992.13, 3860679.53	0.07025	2.07E-03	2.11E-03	2.11E-03
5870 488892.25, 3860680.92	0.06762	1.99E-03	2.03E-03	2.03E-03
5871 488792.36, 3860682.31	0.06497	1.91E-03	1.95E-03	1.95E-03
5872 488692.48, 3860683.7	0.06256	1.84E-03	1.88E-03	1.88E-03
5873 488592.59, 3860685.1	0.05988	1.76E-03	1.80E-03	1.80E-03
5874 488492.71, 3860686.49	0.05795	1.71E-03	1.74E-03	1.74E-03
5875 488299.07, 3860762.18	0.0529	1.56E-03	1.59E-03	1.59E-03
5876 488205.32, 3860764.09	0.05079	1.50E-03	1.53E-03	1.53E-03
5877 488111.56, 3860766	0.04865	1.43E-03	1.46E-03	1.46E-03
5878 488017.81, 3860767.91	0.0466	1.37E-03	1.40E-03	1.40E-03
5879 487924.06, 3860769.81	0.04477	1.32E-03	1.35E-03	1.34E-03
5880 487830.31, 3860771.72	0.04312	1.27E-03	1.30E-03	1.30E-03
5881 487736.55, 3860773.63	0.04162	1.23E-03	1.25E-03	1.25E-03
5882 487642.8, 3860775.54	0.04037	1.19E-03	1.21E-03	1.21E-03
5883 487549.48, 3860684.71	0.04035	1.19E-03	1.21E-03	1.21E-03
5884 487549.91, 3860591.97	0.04127	1.22E-03	1.24E-03	1.24E-03
5885 487550.34, 3860499.23	0.04244	1.25E-03	1.28E-03	1.27E-03
5886 487550.76, 3860406.49	0.04375	1.29E-03	1.32E-03	1.31E-03
5887 487551.19, 3860313.75	0.04494	1.32E-03	1.35E-03	1.35E-03
5888 487551.62, 3860221.01	0.04625	1.36E-03	1.39E-03	1.39E-03
5889 487552.05, 3860128.27	0.04788	1.41E-03	1.44E-03	1.44E-03
5890 487552.48, 3860035.53	0.04943	1.46E-03	1.49E-03	1.48E-03
5891 487552.91, 3859942.79	0.05053	1.49E-03	1.52E-03	1.52E-03
5892 487553.33, 3859850.05	0.05218	1.54E-03	1.57E-03	1.57E-03
5893 487553.76, 3859757.31	0.05349	1.58E-03	1.61E-03	1.61E-03
5894 487554.19, 3859664.57	0.05467	1.61E-03	1.64E-03	1.64E-03
5895 487460.2, 3859571.05	0.05245	1.55E-03	1.58E-03	1.58E-03
5896 487365.78, 3859570.27	0.04983	1.47E-03	1.50E-03	1.50E-03
5897 487271.36, 3859569.48	0.04742	1.40E-03	1.43E-03	1.42E-03
5898 487176.94, 3859568.7	0.04524	1.33E-03	1.36E-03	1.36E-03
5899 487082.51, 3859567.92	0.04332	1.28E-03	1.30E-03	1.30E-03
5900 486988.09, 3859567.14	0.04155	1.22E-03	1.25E-03	1.25E-03
5901 486893.67, 3859566.36	0.03995	1.18E-03	1.20E-03	1.20E-03
5902 486799.25, 3859565.58	0.03847	1.13E-03	1.16E-03	1.16E-03
5903 486704.83, 3859564.79	0.03713	1.09E-03	1.12E-03	1.12E-03
5904 486610.41, 3859564.01	0.0359	1.06E-03	1.08E-03	1.08E-03
5905 486515.99, 3859563.23	0.03469	1.02E-03	1.04E-03	1.04E-03
5906 486421.57, 3859562.45	0.03362	9.91E-04	1.01E-03	1.01E-03
5907 486327.14, 3859561.67	0.03266	9.62E-04	9.82E-04	9.81E-04
5908 486232.72, 3859560.89	0.03171	9.34E-04	9.53E-04	9.52E-04
5909 486138.3, 3859560.1	0.03085	9.09E-04	9.28E-04	9.27E-04
5910 486043.88, 3859559.32	0.03003	8.85E-04	9.03E-04	9.02E-04
5911 485949.35, 3859463.54	0.02959	8.72E-04	8.90E-04	8.89E-04
5912 485949.24, 3859368.55	0.02991	8.81E-04	8.99E-04	8.98E-04
5913 485949.12, 3859273.55	0.03022	8.90E-04	9.09E-04	9.08E-04

5914	485949.01, 3859178.56	0.03051	8.99E-04	9.17E-04	9.16E-04
5915	485948.9, 3859083.56	0.03084	9.09E-04	9.27E-04	9.26E-04
5916	485948.79, 3858988.56	0.03113	9.17E-04	9.36E-04	9.35E-04
5917	485948.67, 3858893.57	0.03138	9.25E-04	9.44E-04	9.42E-04
5918	485948.56, 3858798.57	0.03162	9.32E-04	9.51E-04	9.50E-04
5919	485948.45, 3858703.58	0.03168	9.33E-04	9.53E-04	9.51E-04
5920	485948.34, 3858608.58	0.03175	9.36E-04	9.55E-04	9.54E-04
5921	485948.22, 3858513.59	0.03173	9.35E-04	9.54E-04	9.53E-04
5922	485948.11, 3858418.59	0.03158	9.31E-04	9.50E-04	9.48E-04
5923	485948, 3858323.59	0.03135	9.24E-04	9.43E-04	9.42E-04
5924	485947.89, 3858228.6	0.03094	9.12E-04	9.30E-04	9.29E-04
5925	485947.77, 3858133.6	0.03045	8.97E-04	9.16E-04	9.14E-04
5926	485947.66, 3858038.61	0.03001	8.84E-04	9.02E-04	9.01E-04
5927	485854.54, 3857943.35	0.02924	8.62E-04	8.79E-04	8.78E-04
5928	485761.52, 3857943.09	0.029	8.55E-04	8.72E-04	8.71E-04
5929	485668.51, 3857942.83	0.02878	8.48E-04	8.65E-04	8.64E-04
5930	485575.5, 3857942.56	0.02852	8.40E-04	8.58E-04	8.57E-04
5931	485482.48, 3857942.3	0.02829	8.34E-04	8.51E-04	8.50E-04
5932	485389.47, 3857942.04	0.02804	8.26E-04	8.43E-04	8.42E-04
5933	485296.46, 3857941.78	0.02779	8.19E-04	8.36E-04	8.35E-04
5934	485203.45, 3857941.52	0.02755	8.12E-04	8.28E-04	8.27E-04
5935	485110.43, 3857941.26	0.02728	8.04E-04	8.20E-04	8.19E-04
5936	485017.42, 3857940.99	0.02701	7.96E-04	8.12E-04	8.11E-04
5937	484924.41, 3857940.73	0.02675	7.88E-04	8.04E-04	8.03E-04
5938	484831.39, 3857940.47	0.02651	7.81E-04	7.97E-04	7.96E-04
5939	484738.12, 3857859.3	0.02627	7.74E-04	7.90E-04	7.89E-04
5940	484737.85, 3857778.4	0.02627	7.74E-04	7.90E-04	7.89E-04
5941	484737.59, 3857697.49	0.02624	7.73E-04	7.89E-04	7.88E-04
5942	484737.32, 3857616.59	0.02621	7.72E-04	7.88E-04	7.87E-04
5943	484645.53, 3857535.18	0.02606	7.68E-04	7.84E-04	7.83E-04
5944	484553.99, 3857534.67	0.02595	7.65E-04	7.80E-04	7.79E-04
5945	484462.46, 3857534.17	0.02586	7.62E-04	7.78E-04	7.77E-04
5946	484370.93, 3857533.66	0.02578	7.60E-04	7.75E-04	7.74E-04
5947	484279.4, 3857533.16	0.02571	7.58E-04	7.73E-04	7.72E-04
5948	484187.86, 3857532.65	0.02564	7.56E-04	7.71E-04	7.70E-04
5949	484096.33, 3857532.15	0.02559	7.54E-04	7.69E-04	7.69E-04
5950	484004.8, 3857531.64	0.02551	7.52E-04	7.67E-04	7.66E-04
5951	483913.27, 3857531.14	0.02541	7.49E-04	7.64E-04	7.63E-04
5952	483821.73, 3857530.63	0.0253	7.45E-04	7.61E-04	7.60E-04
5953	483729.61, 3857450.11	0.02535	7.47E-04	7.62E-04	7.61E-04
5954	483729.03, 3857370.08	0.02553	7.52E-04	7.68E-04	7.67E-04
5955	483728.44, 3857290.06	0.02569	7.57E-04	7.72E-04	7.72E-04
5956	483727.86, 3857210.03	0.02585	7.62E-04	7.77E-04	7.76E-04
5957	483641.15, 3857129.07	0.02599	7.66E-04	7.81E-04	7.81E-04
5958	483555.03, 3857128.14	0.02592	7.64E-04	7.79E-04	7.78E-04
5959	483468.91, 3857127.2	0.02581	7.61E-04	7.76E-04	7.75E-04
5960	483382.78, 3857126.26	0.02575	7.59E-04	7.74E-04	7.73E-04
5961	483296.66, 3857125.32	0.02565	7.56E-04	7.71E-04	7.70E-04
5962	483210.54, 3857124.39	0.02553	7.52E-04	7.68E-04	7.67E-04
5963	483123.4, 3857030.96	0.02573	7.58E-04	7.74E-04	7.73E-04
5964	483122.38, 3856938.46	0.02606	7.68E-04	7.84E-04	7.83E-04
5965	483121.35, 3856845.97	0.02643	7.79E-04	7.95E-04	7.94E-04
5966	483120.33, 3856753.47	0.0268	7.90E-04	8.06E-04	8.05E-04
5967	483119.31, 3856660.98	0.02723	8.02E-04	8.19E-04	8.18E-04
5968	483118.29, 3856568.49	0.02776	8.18E-04	8.35E-04	8.34E-04
5969	483117.26, 3856475.99	0.02838	8.36E-04	8.53E-04	8.52E-04
5970	483116.24, 3856383.5	0.02904	8.56E-04	8.73E-04	8.72E-04
5971	483115.22, 3856291.01	0.02978	8.78E-04	8.95E-04	8.94E-04
5972	483114.2, 3856198.51	0.03055	9.00E-04	9.19E-04	9.17E-04
5973	483113.17, 3856106.02	0.03146	9.27E-04	9.46E-04	9.45E-04
5974	483112.15, 3856013.52	0.03238	9.54E-04	9.74E-04	9.72E-04

5975 483029.25, 3855920.47	0.03326	9.80E-04	1.00E-03	9.99E-04
5976 482947.37, 3855919.91	0.03316	9.77E-04	9.97E-04	9.96E-04
5977 482865.49, 3855919.36	0.03308	9.75E-04	9.95E-04	9.93E-04
5978 482783.61, 3855918.8	0.03307	9.74E-04	9.94E-04	9.93E-04
5979 482700.33, 3855818.39	0.03419	1.01E-03	1.03E-03	1.03E-03
5980 482698.92, 3855718.54	0.03548	1.05E-03	1.07E-03	1.07E-03
5981 482697.52, 3855618.68	0.03679	1.08E-03	1.11E-03	1.10E-03
5982 482696.11, 3855518.83	0.03826	1.13E-03	1.15E-03	1.15E-03
5983 482694.71, 3855418.98	0.03974	1.17E-03	1.19E-03	1.19E-03
5984 482693.3, 3855319.13	0.04135	1.22E-03	1.24E-03	1.24E-03
5985 482691.9, 3855219.27	0.04314	1.27E-03	1.30E-03	1.30E-03
5986 482690.49, 3855119.42	0.04505	1.33E-03	1.35E-03	1.35E-03
5987 482689.09, 3855019.57	0.0473	1.39E-03	1.42E-03	1.42E-03
5988 482687.68, 3854919.72	0.04971	1.46E-03	1.49E-03	1.49E-03
5989 482686.28, 3854819.86	0.05253	1.55E-03	1.58E-03	1.58E-03
5990 482684.88, 3854720.01	0.05554	1.64E-03	1.67E-03	1.67E-03
5991 482683.47, 3854620.16	0.05919	1.74E-03	1.78E-03	1.78E-03
5992 482682.07, 3854520.31	0.06328	1.86E-03	1.90E-03	1.90E-03
5993 482680.66, 3854420.45	0.06806	2.01E-03	2.05E-03	2.04E-03
5994 482679.26, 3854320.6	0.07374	2.17E-03	2.22E-03	2.21E-03
5995 482677.85, 3854220.75	0.08082	2.38E-03	2.43E-03	2.43E-03
5996 482676.45, 3854120.9	0.08922	2.63E-03	2.68E-03	2.68E-03
5997 482675.04, 3854021.04	0.09998	2.95E-03	3.01E-03	3.00E-03
5998 482673.64, 3853921.19	0.11396	3.36E-03	3.43E-03	3.42E-03
5999 482672.23, 3853821.34	0.13494	3.98E-03	4.06E-03	4.05E-03
6000 482670.83, 3853721.49	0.16768	4.94E-03	5.04E-03	5.04E-03
6001 482669.42, 3853621.63	0.22285	6.57E-03	6.70E-03	6.69E-03
6002 482645.99, 3853446.13	0.43445	1.28E-02	1.31E-02	1.30E-02
6003 482623.97, 3853370.49	0.51767	1.53E-02	1.56E-02	1.55E-02
6004 482601.94, 3853294.84	0.58809	1.73E-02	1.77E-02	1.77E-02
6005 482531.29, 3853133.44	0.70631	2.08E-02	2.12E-02	2.12E-02
6006 482482.68, 3853047.69	0.78686	2.32E-02	2.37E-02	2.36E-02
6007 482383.09, 3852897.4	0.98006	2.89E-02	2.95E-02	2.94E-02
6008 482265.64, 3852765.26	1.04718	3.09E-02	3.15E-02	3.14E-02
6009 482199.16, 3852697.66	1.0461	3.08E-02	3.15E-02	3.14E-02
6010 482132.69, 3852630.07	1.05222	3.10E-02	3.16E-02	3.16E-02
6011 482066.21, 3852562.48	1.04494	3.08E-02	3.14E-02	3.14E-02
6012 481999.74, 3852494.89	1.0256	3.02E-02	3.08E-02	3.08E-02
6013 481933.26, 3852427.29	1.00147	2.95E-02	3.01E-02	3.01E-02
6014 481866.79, 3852359.7	0.99528	2.93E-02	2.99E-02	2.99E-02
6015 481800.31, 3852292.11	0.99193	2.92E-02	2.98E-02	2.98E-02
6016 481733.84, 3852224.52	0.98545	2.90E-02	2.96E-02	2.96E-02
6017 481667.36, 3852156.92	1.00501	2.96E-02	3.02E-02	3.02E-02
6018 481600.89, 3852089.33	0.99513	2.93E-02	2.99E-02	2.99E-02
6019 481534.41, 3852021.74	0.98612	2.91E-02	2.97E-02	2.96E-02
6020 481467.94, 3851954.15	0.99273	2.93E-02	2.98E-02	2.98E-02
6021 481401.46, 3851886.55	1.02291	3.01E-02	3.08E-02	3.07E-02
6022 481265.87, 3851761.43	1.04512	3.08E-02	3.14E-02	3.14E-02
6023 481196.74, 3851703.89	1.06442	3.14E-02	3.20E-02	3.20E-02
6024 481076.33, 3851619.05	1.06806	3.15E-02	3.21E-02	3.21E-02
6025 480939.8, 3851549.07	1.01795	3.00E-02	3.06E-02	3.06E-02
6026 480854.56, 3851506.41	1.01516	2.99E-02	3.05E-02	3.05E-02
6027 480769.32, 3851463.75	1.02883	3.03E-02	3.09E-02	3.09E-02
6028 480684.08, 3851421.08	1.04599	3.08E-02	3.15E-02	3.14E-02
6029 480598.84, 3851378.42	1.04315	3.07E-02	3.14E-02	3.13E-02
6030 480435.71, 3851275.01	1.23447	3.64E-02	3.71E-02	3.71E-02
6031 480347.85, 3851232.36	1.22886	3.62E-02	3.69E-02	3.69E-02
6032 480260, 3851189.72	1.22593	3.61E-02	3.69E-02	3.68E-02
6033 480172.15, 3851147.07	1.22271	3.60E-02	3.68E-02	3.67E-02
6034 480084.29, 3851104.42	1.22618	3.61E-02	3.69E-02	3.68E-02
6035 479996.44, 3851061.77	1.23023	3.63E-02	3.70E-02	3.69E-02

6036	479908.58, 3851019.13	1.2866	3.79E-02	3.87E-02	3.86E-02
6037	479820.73, 3850976.48	1.28461	3.79E-02	3.86E-02	3.86E-02
6038	479732.88, 3850933.83	1.28665	3.79E-02	3.87E-02	3.86E-02
6039	479645.02, 3850891.18	1.28824	3.80E-02	3.87E-02	3.87E-02
6040	479557.17, 3850848.54	1.27744	3.76E-02	3.84E-02	3.84E-02
6041	479469.32, 3850805.89	1.30838	3.86E-02	3.93E-02	3.93E-02
6042	479381.46, 3850763.24	1.29465	3.81E-02	3.89E-02	3.89E-02
6043	479293.61, 3850720.59	1.25791	3.71E-02	3.78E-02	3.78E-02
6044	479205.76, 3850677.95	1.22947	3.62E-02	3.70E-02	3.69E-02
6045	479117.9, 3850635.3	1.17801	3.47E-02	3.54E-02	3.54E-02
6046	479030.05, 3850592.65	1.14876	3.38E-02	3.45E-02	3.45E-02
6047	478942.19, 3850550	1.1724	3.45E-02	3.53E-02	3.52E-02
6048	478854.34, 3850507.36	1.29449	3.81E-02	3.89E-02	3.89E-02
6049	478766.49, 3850464.71	1.31678	3.88E-02	3.96E-02	3.95E-02
6050	478678.63, 3850422.06	1.31733	3.88E-02	3.96E-02	3.96E-02
6051	478590.78, 3850379.41	1.32793	3.91E-02	3.99E-02	3.99E-02
6052	478502.93, 3850336.77	1.32356	3.90E-02	3.98E-02	3.97E-02
6053	478415.07, 3850294.12	1.30813	3.85E-02	3.93E-02	3.93E-02
6054	478327.22, 3850251.47	1.32636	3.91E-02	3.99E-02	3.98E-02
6055	478239.36, 3850208.82	1.33632	3.94E-02	4.02E-02	4.01E-02
6056	478151.51, 3850166.18	1.34162	3.95E-02	4.03E-02	4.03E-02
6057	478063.66, 3850123.53	1.34747	3.97E-02	4.05E-02	4.05E-02
6058	477975.8, 3850080.88	1.28033	3.77E-02	3.85E-02	3.85E-02
6059	477887.95, 3850038.23	1.26908	3.74E-02	3.82E-02	3.81E-02
6060	477800.1, 3849995.59	1.24197	3.66E-02	3.73E-02	3.73E-02
6061	477712.24, 3849952.94	1.24729	3.68E-02	3.75E-02	3.75E-02
6062	477624.39, 3849910.29	1.24391	3.67E-02	3.74E-02	3.74E-02
6063	477536.54, 3849867.64	1.2214	3.60E-02	3.67E-02	3.67E-02
6064	477448.68, 3849825	1.21837	3.59E-02	3.66E-02	3.66E-02
6065	477360.83, 3849782.35	1.21179	3.57E-02	3.64E-02	3.64E-02
6066	477272.97, 3849739.7	1.20801	3.56E-02	3.63E-02	3.63E-02
6067	477185.12, 3849697.05	1.203	3.54E-02	3.62E-02	3.61E-02
6068	477097.27, 3849654.41	1.21634	3.58E-02	3.66E-02	3.65E-02
6069	477009.41, 3849611.76	1.27032	3.74E-02	3.82E-02	3.82E-02
6070	476841.49, 3849530.08	1.30482	3.84E-02	3.92E-02	3.92E-02
6071	476761.41, 3849491.05	1.31688	3.88E-02	3.96E-02	3.95E-02
6072	476681.34, 3849452.02	1.3743	4.05E-02	4.13E-02	4.13E-02
6073	476601.26, 3849412.99	1.49088	4.39E-02	4.48E-02	4.48E-02
6074	476456.32, 3849353.67	1.78368	5.26E-02	5.36E-02	5.36E-02
6075	476305.43, 3849318.84	1.69401	4.99E-02	5.09E-02	5.09E-02
6076	476129.36, 3849289.99	1.66793	4.91E-02	5.02E-02	5.01E-02
6077	476039.31, 3849275.68	1.63347	4.81E-02	4.91E-02	4.91E-02
6078	475949.26, 3849261.38	1.69705	5.00E-02	5.10E-02	5.10E-02
6079	475859.21, 3849247.08	1.63299	4.81E-02	4.91E-02	4.90E-02
6080	475769.16, 3849232.77	1.57163	4.63E-02	4.73E-02	4.72E-02
6081	475585.23, 3849219.27	0.85668	2.52E-02	2.58E-02	2.57E-02
6082	475444.5, 3849150.35	1.62188	4.78E-02	4.88E-02	4.87E-02
6083	475334.18, 3849118.71	1.22332	3.60E-02	3.68E-02	3.67E-02
6084	475230.47, 3849060.57	1.22698	3.62E-02	3.69E-02	3.68E-02
6085	475110.86, 3848960.97	1.46637	4.32E-02	4.41E-02	4.40E-02
6086	475037.79, 3848896.28	1.52514	4.49E-02	4.59E-02	4.58E-02
6087	474964.72, 3848831.59	1.57689	4.65E-02	4.74E-02	4.74E-02
6088	474891.65, 3848766.9	1.5727	4.63E-02	4.73E-02	4.72E-02
6089	474818.58, 3848702.22	1.58558	4.67E-02	4.77E-02	4.76E-02
6090	474745.51, 3848637.53	1.4324	4.22E-02	4.31E-02	4.30E-02
6091	474672.44, 3848572.84	1.41151	4.16E-02	4.24E-02	4.24E-02
6092	474599.37, 3848508.15	1.45217	4.28E-02	4.37E-02	4.36E-02
6093	474526.3, 3848443.46	1.44582	4.26E-02	4.35E-02	4.34E-02

Leads - Operational Risk (Residential Exposure)

			2028	2033	2048	Residential Dose		Risk by Age Group											
Rec#	X	Y	Conc	Conc	Conc	3rd	0<2	2<9 (2028)	2<9 (2033)	9<16	16<30(2033)	16<30(2048)	3rd	0<2	2<9 (2028)	2<9 (2033)	9<16	16<30(2033)	16<30(2048)	Total Risk
1	485973.61	3854936.51	1.18E-03	1.21E-03	1.21E-03	4.10E-07	1.24E-06	7.17E-07	7.32E-07	6.63E-07	3.03E-07	3.02E-07	1.37E-08	3.31E-07	7.30E-08	9.93E-08	1.58E-07	2.78E-08	1.99E-08	7.22E-07
2	486023.61	3854936.51	1.18E-03	1.20E-03	1.20E-03	4.07E-07	1.23E-06	7.12E-07	7.27E-07	6.59E-07	2.95E-07	3.00E-07	1.36E-08	3.29E-07	7.25E-08	9.87E-08	1.57E-07	2.70E-08	1.98E-08	7.17E-07
3	486073.61	3854936.51	1.17E-03	1.20E-03	1.20E-03	4.07E-07	1.23E-06	7.11E-07	7.25E-07	6.57E-07	2.94E-07	3.00E-07	1.36E-08	3.28E-07	7.24E-08	9.85E-08	1.56E-07	2.70E-08	1.98E-08	7.15E-07
4	486123.61	3854936.51	1.16E-03	1.18E-03	1.18E-03	4.01E-07	1.21E-06	7.01E-07	7.15E-07	6.48E-07	2.90E-07	2.95E-07	1.34E-08	3.23E-07	7.14E-08	9.71E-08	1.54E-07	2.66E-08	1.95E-08	7.05E-07
5	486173.61	3854936.51	1.16E-03	1.19E-03	1.18E-03	4.02E-07	1.21E-06	7.03E-07	7.18E-07	6.50E-07	2.91E-07	2.96E-07	1.34E-08	3.24E-07	7.16E-08	9.74E-08	1.55E-07	2.67E-08	1.96E-08	7.08E-07
6	486223.61	3854936.51	1.15E-03	1.18E-03	1.18E-03	3.99E-07	1.21E-06	6.98E-07	7.12E-07	6.46E-07	2.89E-07	2.94E-07	1.33E-08	3.22E-07	7.11E-08	9.67E-08	1.53E-07	2.65E-08	1.94E-08	7.03E-07
7	486273.61	3854936.51	1.15E-03	1.17E-03	1.17E-03	3.98E-07	1.20E-06	6.96E-07	7.10E-07	6.43E-07	2.88E-07	2.93E-07	1.33E-08	3.21E-07	7.08E-08	9.64E-08	1.53E-07	2.64E-08	1.93E-08	7.00E-07
8	486323.61	3854936.51	1.15E-03	1.17E-03	1.17E-03	3.97E-07	1.20E-06	6.93E-07	7.08E-07	6.41E-07	2.87E-07	2.92E-07	1.32E-08	3.20E-07	7.06E-08	9.61E-08	1.52E-07	2.63E-08	1.93E-08	6.98E-07
9	485973.61	3854986.51	1.17E-03	1.20E-03	1.19E-03	4.05E-07	1.22E-06	7.09E-07	7.23E-07	6.56E-07	2.93E-07	2.99E-07	1.35E-08	3.27E-07	7.22E-08	9.82E-08	1.56E-07	2.69E-08	1.97E-08	7.13E-07
10	486023.61	3854986.51	1.17E-03	1.19E-03	1.19E-03	4.04E-07	1.22E-06	7.06E-07	7.20E-07	6.53E-07	2.92E-07	2.98E-07	1.35E-08	3.26E-07	7.19E-08	9.78E-08	1.55E-07	2.68E-08	1.96E-08	7.10E-07
11	486073.61	3854986.51	1.16E-03	1.18E-03	1.18E-03	4.01E-07	1.21E-06	7.01E-07	7.15E-07	6.48E-07	2.90E-07	2.96E-07	1.34E-08	3.24E-07	7.14E-08	9.71E-08	1.54E-07	2.66E-08	1.95E-08	7.06E-07
12	486123.61	3854986.51	1.15E-03	1.17E-03	1.17E-03	3.98E-07	1.20E-06	6.96E-07	7.11E-07	6.44E-07	2.88E-07	2.94E-07	1.33E-08	3.21E-07	7.09E-08	9.65E-08	1.53E-07	2.64E-08	1.94E-08	7.01E-07
13	486173.61	3854986.51	1.15E-03	1.17E-03	1.17E-03	3.98E-07	1.20E-06	6.96E-07	7.10E-07	6.44E-07	2.88E-07	2.93E-07	1.33E-08	3.21E-07	7.09E-08	9.64E-08	1.53E-07	2.64E-08	1.94E-08	7.00E-07
14	486223.61	3854986.51	1.14E-03	1.16E-03	1.16E-03	3.95E-07	1.19E-06	6.91E-07	7.05E-07	6.39E-07	2.86E-07	2.91E-07	1.32E-08	3.19E-07	7.03E-08	9.57E-08	1.52E-07	2.62E-08	1.92E-08	6.95E-07
15	486273.61	3854986.51	1.13E-03	1.15E-03	1.15E-03	3.91E-07	1.18E-06	6.84E-07	6.98E-07	6.33E-07	2.83E-07	2.88E-07	1.31E-08	3.16E-07	6.97E-08	9.48E-08	1.50E-07	2.60E-08	1.90E-08	6.89E-07
16	486323.61	3854986.51	1.14E-03	1.16E-03	1.16E-03	3.93E-07	1.19E-06	6.87E-07	7.02E-07	6.36E-07	2.84E-07	2.90E-07	1.31E-08	3.17E-07	7.00E-08	9.52E-08	1.51E-07	2.61E-08	1.91E-08	6.92E-07
17	485973.61	3855036.51	1.16E-03	1.18E-03	1.18E-03	4.01E-07	1.21E-06	7.02E-07	7.16E-07	6.49E-07	2.90E-07	2.96E-07	1.34E-08	3.24E-07	7.15E-08	9.72E-08	1.54E-07	2.66E-08	1.95E-08	7.06E-07
18	486023.61	3855036.51	1.15E-03	1.18E-03	1.18E-03	3.99E-07	1.21E-06	6.98E-07	7.12E-07	6.46E-07	2.89E-07	2.94E-07	1.33E-08	3.22E-07	7.11E-08	9.67E-08	1.53E-07	2.65E-08	1.94E-08	7.03E-07
19	486073.61	3855036.51	1.14E-03	1.17E-03	1.16E-03	3.96E-07	1.19E-06	6.91E-07	7.06E-07	6.40E-07	2.86E-07	2.91E-07	1.32E-08	3.19E-07	7.04E-08	9.58E-08	1.52E-07	2.62E-08	1.92E-08	6.96E-07
20	486123.61	3855036.51	1.14E-03	1.16E-03	1.16E-03	3.93E-07	1.19E-06	6.87E-07	7.02E-07	6.36E-07	2.84E-07	2.90E-07	1.31E-08	3.17E-07	7.00E-08	9.52E-08	1.51E-07	2.61E-08	1.91E-08	6.92E-07
21	486173.61	3855036.51	1.14E-03	1.16E-03	1.16E-03	3.93E-07	1.19E-06	6.87E-07	7.01E-07	6.36E-07	2.84E-07	2.90E-07	1.31E-08	3.17E-07	7.00E-08	9.52E-08	1.51E-07	2.61E-08	1.91E-08	6.92E-07
22	486223.61	3855036.51	1.13E-03	1.15E-03	1.15E-03	3.89E-07	1.18E-06	6.81E-07	6.95E-07	6.30E-07	2.82E-07	2.87E-07	1.30E-08	3.14E-07	6.93E-08	9.43E-08	1.50E-07	2.58E-08	1.89E-08	6.85E-07
23	486273.61	3855036.51	1.13E-03	1.15E-03	1.15E-03	3.90E-07	1.18E-06	6.81E-07	6.95E-07	6.30E-07	2.82E-07	2.87E-07	1.30E-08	3.14E-07	6.94E-08	9.44E-08	1.50E-07	2.59E-08	1.89E-08	6.86E-07
24	486323.61	3855036.51	1.12E-03	1.14E-03	1.14E-03	3.87E-07	1.17E-06	6.77E-07	6.91E-07	6.26E-07	2.80E-07	2.85E-07	1.29E-08	3.12E-07	6.90E-08	9.38E-08	1.49E-07	2.57E-08	1.88E-08	6.82E-07
25	485973.61	3855086.51	1.15E-03	1.17E-03	1.17E-03	3.96E-07	1.20E-06	6.93E-07	7.07E-07	6.41E-07	2.87E-07	2.92E-07	1.32E-08	3.20E-07	7.06E-08	9.60E-08	1.52E-07	2.63E-08	1.93E-08	6.98E-07
26	486023.61	3855086.51	1.14E-03	1.17E-03	1.16E-03	3.95E-07	1.19E-06	6.91E-07	7.05E-07	6.39E-07	2.86E-07	2.91E-07	1.32E-08	3.19E-07	7.04E-08	9.57E-08	1.52E-07	2.62E-08	1.92E-08	6.96E-07
27	486073.61	3855086.51	1.13E-03	1.15E-03	1.15E-03	3.92E-07	1.18E-06	6.85E-07	6.99E-07	6.33E-07	2.83E-07	2.89E-07	1.31E-08	3.16E-07	6.97E-08	9.49E-08	1.50E-07	2.60E-08	1.90E-08	6.89E-07
28	486123.61	3855086.51	1.13E-03	1.15E-03	1.15E-03	3.91E-07	1.18E-06	6.83E-07	6.97E-07	6.32E-07	2.82E-07	2.88E-07	1.30E-08	3.15E-07	6.95E-08	9.46E-08	1.50E-07	2.59E-08	1.90E-08	6.87E-07
29	486173.61	3855086.51	1.12E-03	1.14E-03	1.14E-03	3.87E-07	1.17E-06	6.77E-07	6.91E-07	6.26E-07	2.80E-07	2.85E-07	1.29E-08	3.12E-07	6.90E-08	9.38E-08	1.49E-07	2.57E-08	1.88E-08	6.82E-07
30	486223.61	3855086.51	1.12E-03	1.14E-03	1.14E-03	3.86E-07	1.17E-06	6.75E-07	6.89E-07	6.24E-07	2.79E-07	2.85E-07	1.29E-08	3.11E-07	6.87E-08	9.35E-08	1.48E-07	2.56E-08	1.88E-08	6.79E-07
31	485973.61	3855136.51	1.13E-03	1.16E-03	1.16E-03	3.93E-07	1.19E-06	6.87E-07	7.01E-07	6.35E-07	2.84E-07	2.89E-07	1.31E-08	3.17E-07	6.99E-08	9.51E-08	1.51E-07	2.61E-08	1.91E-08	6.91E-07
32	486023.61	3855136.51	1.13E-03	1.15E-03	1.15E-03	3.91E-07	1.18E-06	6.83E-07	6.97E-07	6.32E-07	2.83E-07	2.88E-07	1.30E-08	3.15E-07	6.96E-08	9.46E-08	1.50E-07	2.59E-08	1.90E-08	6.87E-07
33	486073.61	3855136.51	1.12E-03	1.14E-03	1.14E-03	3.88E-07	1.17E-06	6.79E-07	6.93E-07	6.28E-07	2.81E-07	2.86E-07	1.30E-08	3.13E-07	6.91E-08	9.41E-08	1.49E-07	2.58E-08	1.89E-08	6.83E-07
34	486123.61	3855136.51	1.12E-03	1.14E-03	1.14E-03	3.87E-07	1.17E-06	6.76E-07	6.90E-07	6.25E-07	2.79E-07	2.85E-07	1.29E-08	3.12E-07	6.88E-08	9.36E-08	1.49E-07	2.57E-08	1.88E-08	6.80E-07
35	486173.61	3855136.51	1.11E-03	1.13E-03	1.13E-03	3.84E-07	1.16E-06	6.71E-07	6.85E-07	6.21E-07	2.78E-07	2.83E-07	1.28E-08	3.10E-07	6.84E-08	9.30E-08	1.48E-07	2.55E-08	1.87E-08	6.76E-07
36	486223.61	3855136.51	1.10E-03	1.13E-03	1.13E-03	3.82E-07	1.15E-06	6.68E-07	6.82E-07	6.18E-07	2.76E-07	2.82E-07	1.28E-08	3.08E-07	6.80E-08	9.25E-08	1.47E-07	2.54E-08	1.86E-08	6.72E-07
37	485973.61	3855186.51	1.12E-03	1.15E-03	1.15E-03	3.89E-07	1.17E-06	6.80E-07	6.94E-07	6.29E-07	2.81E-07	2.87E-07	1.30E-08	3.14E-07	6.93E-08	9.42E-08	1.49E-07	2.58E-08	1.89E-08	6.85E-07
38	486023.61	3855186.51	1.12E-03	1.14E-03	1.14E-03	3.87E-07	1.17E-06	6.77E-07	6.91E-07	6.26E-07	2.80E-07	2.85E-07	1.29E-08	3.12E-07	6.89E-08	9.38E-08	1.49E-07	2.57E-08	1.88E-08	6.81E-07
39	486073.61	3855186.51	1.11E-03	1.13E-03	1.13E-03	3.84E-07	1.16E-06	6.71E-07	6.85E-07	6.21E-07	2.78E-07	2.83E-07	1.28E-08	3.10E-07	6.84E-08	9.30E-08	1.48E-07	2.55E-08	1.87E-08	6.76E-07
40	486123.61	3855186.51	1.10E-03	1.12E-03	1.12E-03	3.81E-07	1.15E-06	6.66E-07	6.80E-07	6.16E-07	2.75E-07	2.81E-07	1.27E-08	3.07E-07	6.78E-08	9.23E-08	1.46E-07	2.53E-08	1.85E-08	6.70E-07
41	486173.61	3855186.51	1.10E-03	1.12E-03	1.12E-03	3.79E-07	1.14E-06	6.63E-07	6.76E-07	6.13E-07	2.74E-07	2.79E-07	1.27E-08	3.06E-07	6.75E-08	9.18E-08	1.46E-07	2.52E-08	1.84E-08	6.67E-07
42	486223.61	3855186.51	1.09E-03	1.11E-03	1.11E-03	3.77E-07	1.14E-06	6.59E-07	6.73E-07	6.10E-07	2.73E-07	2.78E-07	1.26E-08	3.04E-07	6.71E-08	9.13E-08	1.45E-07	2.50E-08	1.83E-08	6.64E-07
43	486273.61	3855186.51	1.08E-03	1.11E-03	1.10E-03	3.75E-07	1.13E-06	6.55E-07	6.69E-07	6.06E-07	2.71E-07	2.76E-07	1.25E-08	3.02E-07	6.67E-08	9.08E-08	1.44E-07	2.49E-08	1.82E-08	6.59E-07
44	486323.61	3855186.51	1.09E-03	1.11E-03	1.11E-03	3.78E-07	1.14E-06	6.60E-07	6.73E-07	6.10E-07	2.73E-07	2.78E-07	1.26E-08	3.05E-07	6.72E-08	9.14E-08	1.45E-07	2.50E-08	1.83E-08	6.64E-07
45	485973.61	3855236.51	1.11E-03	1.13E-03	1.13E-03	3.85E-07	1.16E-06	6.73E-07	6.87E-07	6.22E-07	2.78E-07	2.84E-07	1.29E-08	3.11E-07	6.85E-08	9.32E-08	1.48E-07	2.55E-08	1.87E-08	6.77E-07
46	486023.61	3855236.51	1.10E-03	1.13E-03	1.12E-03	3.82E-07	1.15E-06	6.68E-07	6.81E-07	6.18E-07	2.76E-07	2.81E-07	1.28E-08	3.08E-07	6.80E-08	9.25E-08	1.47E-07	2.53E-08	1.86E-08	6.72E-07
47	486073.61	3855236.51	1.09E-03	1.12E-03	1.11E-03	3.79E-07	1.14E-06	6.62E-07	6.75E-07	6.12E-07	2.74E-07	2.79E-07	1.26E-08	3.05E-07	6.74E-08	9.17E-08	1.45E-07	2.51E-08	1.84E-08	6.66E-07
48	486123.61	3855236.51	1.09E-03	1.11E-03	1.11E-03	3.76E-07	1.14E-06	6.58E-07	6.72E-07	6.09E-07	2.72E-07	2.77E-07	1.26E-08	3.04E-07	6.70E-08	9.12E-08	1.45E-07	2.50E-08	1.83E-08	6.62E-07
49	486173.61	3855236.51	1.08E-03	1.10E-03	1.10E-03	3.75E-07	1.13E-06	6.55E-07	6.68E-07	6.06E-07	2.71E-07	2.76E-07	1.25E-08	3.02E-07	6.67E-08	9.08E-08	1.44E-07	2.49E-08	1.82E-08	6.59E-07
50	486223.61	3855236.51	1.08E-03	1.10E-03	1.10E-03	3.73E-07	1.12E-06	6.51E-07	6.64E-07	6.02E-07	2.69E-07	2.74E-07	1.24E-08	3.00E-07	6.63E-08	9.02E-08	1.43E-07	2.47E-08	1.81E-08	6.55E-07

51	486273.61	3855236.51	1.06E-03	1.08E-03	1.08E-03	3.68E-07	1.11E-06	6.43E-07	6.56E-07	5.95E-07	2.66E-07	2.71E-07	1.23E-08	2.97E-07	6.55E-08	8.91E-08	1.41E-07	2.44E-08	1.79E-08	6.47E-07
52	486323.61	3855236.51	1.08E-03	1.10E-03	1.10E-03	3.73E-07	1.13E-06	6.52E-07	6.65E-07	6.03E-07	2.70E-07	2.75E-07	1.25E-08	3.01E-07	6.64E-08	9.03E-08	1.43E-07	2.47E-08	1.81E-08	6.56E-07
53	485973.61	3855286.51	1.10E-03	1.12E-03	1.12E-03	3.81E-07	1.15E-06	6.65E-07	6.79E-07	6.15E-07	2.75E-07	2.81E-07	1.27E-08	3.07E-07	6.78E-08	9.22E-08	1.46E-07	2.53E-08	1.85E-08	6.70E-07
54	486023.61	3855286.51	1.09E-03	1.11E-03	1.11E-03	3.77E-07	1.14E-06	6.60E-07	6.73E-07	6.10E-07	2.73E-07	2.78E-07	1.26E-08	3.04E-07	6.72E-08	9.14E-08	1.45E-07	2.50E-08	1.83E-08	6.64E-07
55	486073.61	3855286.51	1.08E-03	1.10E-03	1.10E-03	3.75E-07	1.13E-06	6.55E-07	6.68E-07	6.06E-07	2.71E-07	2.76E-07	1.25E-08	3.02E-07	6.67E-08	9.07E-08	1.44E-07	2.49E-08	1.82E-08	6.59E-07
56	486123.61	3855286.51	1.07E-03	1.10E-03	1.09E-03	3.72E-07	1.12E-06	6.50E-07	6.63E-07	6.01E-07	2.69E-07	2.74E-07	1.24E-08	3.00E-07	6.61E-08	9.00E-08	1.43E-07	2.47E-08	1.81E-08	6.54E-07
57	486173.61	3855286.51	1.07E-03	1.09E-03	1.09E-03	3.69E-07	1.11E-06	6.45E-07	6.58E-07	5.97E-07	2.67E-07	2.72E-07	1.23E-08	2.98E-07	6.57E-08	8.94E-08	1.42E-07	2.45E-08	1.79E-08	6.49E-07
58	486223.61	3855286.51	1.06E-03	1.08E-03	1.08E-03	3.68E-07	1.11E-06	6.43E-07	6.56E-07	5.95E-07	2.66E-07	2.71E-07	1.23E-08	2.97E-07	6.54E-08	8.90E-08	1.41E-07	2.44E-08	1.79E-08	6.47E-07
59	486123.61	3855336.51	1.06E-03	1.08E-03	1.08E-03	3.67E-07	1.11E-06	6.41E-07	6.54E-07	5.93E-07	2.65E-07	2.70E-07	1.22E-08	2.96E-07	6.53E-08	8.88E-08	1.41E-07	2.43E-08	1.78E-08	6.45E-07
60	486173.61	3855336.51	1.05E-03	1.08E-03	1.07E-03	3.65E-07	1.10E-06	6.38E-07	6.51E-07	5.90E-07	2.64E-07	2.69E-07	1.22E-08	2.94E-07	6.50E-08	8.84E-08	1.40E-07	2.42E-08	1.77E-08	6.42E-07
61	486223.61	3855336.51	1.05E-03	1.07E-03	1.07E-03	3.63E-07	1.10E-06	6.35E-07	6.47E-07	5.87E-07	2.62E-07	2.68E-07	1.21E-08	2.93E-07	6.46E-08	8.79E-08	1.39E-07	2.41E-08	1.76E-08	6.39E-07
62	486123.61	3855386.51	1.05E-03	1.07E-03	1.07E-03	3.63E-07	1.09E-06	6.34E-07	6.47E-07	5.86E-07	2.62E-07	2.67E-07	1.21E-08	2.92E-07	6.45E-08	8.78E-08	1.39E-07	2.41E-08	1.76E-08	6.38E-07
63	486173.61	3855386.51	1.04E-03	1.06E-03	1.06E-03	3.61E-07	1.09E-06	6.31E-07	6.43E-07	5.83E-07	2.61E-07	2.66E-07	1.20E-08	2.91E-07	6.42E-08	8.74E-08	1.39E-07	2.39E-08	1.75E-08	6.35E-07
64	486223.61	3855386.51	1.04E-03	1.06E-03	1.06E-03	3.59E-07	1.08E-06	6.28E-07	6.41E-07	5.81E-07	2.60E-07	2.65E-07	1.20E-08	2.90E-07	6.39E-08	8.70E-08	1.38E-07	2.38E-08	1.75E-08	6.32E-07
65	486533.18	3855443.15	1.01E-03	1.03E-03	1.03E-03	3.49E-07	1.05E-06	6.10E-07	6.23E-07	5.64E-07	2.52E-07	2.57E-07	1.17E-08	2.82E-07	6.21E-08	8.45E-08	1.34E-07	2.32E-08	1.70E-08	6.14E-07
66	486583.18	3855443.15	1.00E-03	1.02E-03	1.02E-03	3.48E-07	1.05E-06	6.07E-07	6.20E-07	5.62E-07	2.51E-07	2.56E-07	1.16E-08	2.80E-07	6.19E-08	8.42E-08	1.34E-07	2.31E-08	1.69E-08	6.11E-07
67	486633.18	3855443.15	9.99E-04	1.02E-03	1.02E-03	3.46E-07	1.04E-06	6.05E-07	6.17E-07	5.59E-07	2.50E-07	2.55E-07	1.16E-08	2.79E-07	6.16E-08	8.38E-08	1.33E-07	2.30E-08	1.68E-08	6.09E-07
68	486683.18	3855443.15	9.98E-04	1.02E-03	1.02E-03	3.45E-07	1.04E-06	6.04E-07	6.16E-07	5.59E-07	2.50E-07	2.55E-07	1.15E-08	2.79E-07	6.15E-08	8.37E-08	1.33E-07	2.29E-08	1.68E-08	6.08E-07
69	486533.18	3855493.15	9.96E-04	1.02E-03	1.02E-03	3.45E-07	1.04E-06	6.03E-07	6.15E-07	5.57E-07	2.49E-07	2.54E-07	1.15E-08	2.78E-07	6.14E-08	8.35E-08	1.32E-07	2.29E-08	1.68E-08	6.07E-07
70	486583.18	3855493.15	9.93E-04	1.01E-03	1.01E-03	3.44E-07	1.04E-06	6.01E-07	6.13E-07	5.56E-07	2.49E-07	2.53E-07	1.15E-08	2.77E-07	6.12E-08	8.32E-08	1.32E-07	2.28E-08	1.67E-08	6.05E-07
71	486633.18	3855493.15	9.89E-04	1.01E-03	1.01E-03	3.42E-07	1.03E-06	5.99E-07	6.11E-07	5.54E-07	2.48E-07	2.52E-07	1.14E-08	2.76E-07	6.09E-08	8.29E-08	1.32E-07	2.27E-08	1.66E-08	6.02E-07
72	486683.18	3855493.15	9.85E-04	1.01E-03	1.00E-03	3.41E-07	1.03E-06	5.96E-07	6.08E-07	5.51E-07	2.47E-07	2.51E-07	1.14E-08	2.75E-07	6.07E-08	8.26E-08	1.31E-07	2.26E-08	1.66E-08	6.00E-07
73	486533.18	3855543.15	9.86E-04	1.01E-03	1.00E-03	3.41E-07	1.03E-06	5.97E-07	6.09E-07	5.52E-07	2.47E-07	2.51E-07	1.14E-08	2.75E-07	6.07E-08	8.27E-08	1.31E-07	2.26E-08	1.66E-08	6.00E-07
74	486583.18	3855543.15	9.80E-04	1.00E-03	9.99E-04	3.39E-07	1.02E-06	5.93E-07	6.05E-07	5.48E-07	2.45E-07	2.50E-07	1.13E-08	2.74E-07	6.04E-08	8.21E-08	1.30E-07	2.25E-08	1.65E-08	5.97E-07
75	486633.18	3855543.15	9.77E-04	9.97E-04	9.96E-04	3.38E-07	1.02E-06	5.91E-07	6.03E-07	5.47E-07	2.44E-07	2.49E-07	1.13E-08	2.73E-07	6.02E-08	8.19E-08	1.30E-07	2.24E-08	1.64E-08	5.95E-07
76	486683.18	3855543.15	9.70E-04	9.90E-04	9.88E-04	3.36E-07	1.01E-06	5.87E-07	5.99E-07	5.43E-07	2.43E-07	2.47E-07	1.12E-08	2.71E-07	5.97E-08	8.13E-08	1.29E-07	2.23E-08	1.63E-08	5.91E-07
77	486533.18	3855593.15	9.74E-04	9.94E-04	9.93E-04	3.37E-07	1.02E-06	5.89E-07	6.01E-07	5.45E-07	2.44E-07	2.48E-07	1.13E-08	2.72E-07	6.00E-08	8.16E-08	1.30E-07	2.24E-08	1.64E-08	5.93E-07
78	486583.18	3855593.15	9.69E-04	9.89E-04	9.88E-04	3.35E-07	1.01E-06	5.86E-07	5.98E-07	5.42E-07	2.43E-07	2.47E-07	1.12E-08	2.71E-07	5.97E-08	8.12E-08	1.29E-07	2.23E-08	1.63E-08	5.90E-07
79	486633.18	3855593.15	9.65E-04	9.85E-04	9.84E-04	3.34E-07	1.01E-06	5.84E-07	5.96E-07	5.40E-07	2.42E-07	2.46E-07	1.12E-08	2.70E-07	5.95E-08	8.09E-08	1.28E-07	2.22E-08	1.62E-08	5.88E-07
80	486683.18	3855593.15	9.63E-04	9.82E-04	9.81E-04	3.33E-07	1.01E-06	5.82E-07	5.94E-07	5.39E-07	2.41E-07	2.46E-07	1.11E-08	2.69E-07	5.93E-08	8.07E-08	1.28E-07	2.21E-08	1.62E-08	5.86E-07
81	486533.18	3855643.15	9.63E-04	9.83E-04	9.82E-04	3.33E-07	1.01E-06	5.83E-07	5.95E-07	5.39E-07	2.41E-07	2.46E-07	1.11E-08	2.69E-07	5.93E-08	8.07E-08	1.28E-07	2.21E-08	1.62E-08	5.87E-07
82	486583.18	3855643.15	9.59E-04	9.79E-04	9.78E-04	3.32E-07	1.00E-06	5.81E-07	5.92E-07	5.37E-07	2.40E-07	2.45E-07	1.11E-08	2.68E-07	5.91E-08	8.04E-08	1.28E-07	2.20E-08	1.61E-08	5.84E-07
83	486633.18	3855643.15	9.55E-04	9.75E-04	9.74E-04	3.31E-07	9.98E-07	5.78E-07	5.90E-07	5.35E-07	2.39E-07	2.44E-07	1.10E-08	2.67E-07	5.89E-08	8.01E-08	1.27E-07	2.19E-08	1.61E-08	5.82E-07
84	486683.18	3855643.15	9.52E-04	9.71E-04	9.70E-04	3.29E-07	9.95E-07	5.76E-07	5.88E-07	5.33E-07	2.38E-07	2.43E-07	1.10E-08	2.66E-07	5.86E-08	7.98E-08	1.27E-07	2.19E-08	1.60E-08	5.80E-07
85	486533.18	3855693.15	9.55E-04	9.75E-04	9.74E-04	3.31E-07	9.98E-07	5.78E-07	5.90E-07	5.35E-07	2.39E-07	2.44E-07	1.10E-08	2.67E-07	5.89E-08	8.01E-08	1.27E-07	2.19E-08	1.61E-08	5.82E-07
86	486583.18	3855693.15	9.48E-04	9.68E-04	9.66E-04	3.28E-07	9.91E-07	5.74E-07	5.85E-07	5.31E-07	2.37E-07	2.42E-07	1.10E-08	2.65E-07	5.84E-08	7.95E-08	1.26E-07	2.18E-08	1.60E-08	5.77E-07
87	486633.18	3855693.15	9.41E-04	9.60E-04	9.59E-04	3.26E-07	9.83E-07	5.69E-07	5.81E-07	5.27E-07	2.35E-07	2.40E-07	1.09E-08	2.63E-07	5.80E-08	7.89E-08	1.25E-07	2.16E-08	1.58E-08	5.73E-07
88	486683.18	3855693.15	9.41E-04	9.60E-04	9.59E-04	3.26E-07	9.84E-07	5.69E-07	5.81E-07	5.27E-07	2.36E-07	2.40E-07	1.09E-08	2.63E-07	5.80E-08	7.89E-08	1.25E-07	2.16E-08	1.58E-08	5.73E-07
89	486733.18	3855693.15	9.45E-04	9.64E-04	9.63E-04	3.27E-07	9.87E-07	5.72E-07	5.83E-07	5.29E-07	2.36E-07	2.41E-07	1.09E-08	2.64E-07	5.82E-08	7.92E-08	1.26E-07	2.17E-08	1.59E-08	5.75E-07
90	486783.18	3855693.15	9.50E-04	9.69E-04	9.68E-04	3.29E-07	9.93E-07	5.75E-07	5.86E-07	5.32E-07	2.38E-07	2.42E-07	1.10E-08	2.65E-07	5.85E-08	7.96E-08	1.26E-07	2.18E-08	1.60E-08	5.78E-07
91	486533.18	3855743.15	9.46E-04	9.65E-04	9.64E-04	3.27E-07	9.89E-07	5.72E-07	5.84E-07	5.29E-07	2.37E-07	2.41E-07	1.09E-08	2.64E-07	5.83E-08	7.93E-08	1.26E-07	2.17E-08	1.59E-08	5.76E-07
92	486583.18	3855743.15	9.36E-04	9.55E-04	9.54E-04	3.24E-07	9.78E-07	5.66E-07	5.78E-07	5.24E-07	2.34E-07	2.39E-07	1.08E-08	2.61E-07	5.77E-08	7.85E-08	1.24E-07	2.15E-08	1.58E-08	5.70E-07
93	486633.18	3855743.15	9.31E-04	9.50E-04	9.49E-04	3.22E-07	9.74E-07	5.64E-07	5.75E-07	5.21E-07	2.33E-07	2.38E-07	1.08E-08	2.60E-07	5.74E-08	7.81E-08	1.24E-07	2.14E-08	1.57E-08	5.67E-07
94	486683.18	3855743.15	9.34E-04	9.53E-04	9.52E-04	3.23E-07	9.76E-07	5.65E-07	5.77E-07	5.23E-07	2.34E-07	2.38E-07	1.08E-08	2.61E-07	5.75E-08	7.83E-08	1.24E-07	2.14E-08	1.57E-08	5.69E-07
95	486733.18	3855743.15	9.33E-04	9.53E-04	9.51E-04	3.23E-07	9.76E-07	5.65E-07	5.76E-07	5.22E-07	2.34E-07	2.38E-07	1.08E-08	2.61E-07	5.75E-08	7.83E-08	1.24E-07	2.14E-08	1.57E-08	5.68E-07
96	486783.18	3855743.15	9.40E-04	9.59E-04	9.58E-04	3.25E-07	9.83E-07	5.69E-07	5.81E-07	5.26E-07	2.35E-07	2.40E-07	1.09E-08	2.63E-07	5.79E-08	7.88E-08	1.25E-07	2.16E-08	1.58E-08	5.73E-07
97	486533.18	3855793.15	9.38E-04	9.57E-04	9.56E-04	3.25E-07	9.80E-07	5.67E-07	5.79E-07	5.25E-07	2.35E-07	2.39E-07	1.08E-08	2.62E-07	5.78E-08	7.86E-08	1.25E-07	2.15E-08	1.58E-08	5.71E-07
98	486583.18	3855793.15	9.24E-04	9.43E-04	9.42E-04	3.20E-07	9.66E-07	5.59E-07	5.70E-07	5.17E-07	2.31E-07	2.36E-07	1.07E-08	2.58E-07	5.69E-08	7.74E-08	1.23E-07	2.12E-08	1.55E-08	5.63E-07
99	486633.18	3855793.15	9.25E-04	9.44E-04	9.43E-04	3.20E-07	9.67E-07	5.60E-07	5.71E-07	5.18E-07	2.32E-07	2.36E-07	1.07E-08	2.58E-07	5.70E-08	7.76E-08	1.23E-07	2.13E-08	1.56E-08	5.63E-07
100	486683.18	3855793.15	9.28E-04	9.47E-04	9.45E-04	3.21E-07	9.70E-07	5.61E-07	5.73E-07	5.19E-07	2.32E-07	2.37E-07	1.07E-08	2.59E-07	5.72E-08	7.78E-08	1.23E-07	2.13E-08	1.56E-08	5.65E-07
101	486733.18	3855793.15	9.28E-04	9.47E-04	9.46E-04	3.21E-07	9.70E-07	5.62E-07	5.73E-07	5.20E-07	2.32E-07	2.37E-07	1.07E-08	2.59E-07	5.72E-08	7.78E-08	1.23E-07	2.13E-08	1.56E-08	5.65E-07
102	486783.18	3855793.15	9.30E-04	9.49E-04	9.48E-04	3.22E-07	9.72E-07	5.63E-07	5.74E-07	5.21E-07	2.33E-07	2.37E-07	1.08E-08	2.60E-07	5.73E-08	7.80E-08	1.24E-07	2.14E-08	1.57E-08	5.67E-07
103	486533.18	3855843.15	9.27E-04	9.46E-04	9.45E-04	3.21E-07	9.69E-07	5.61E-07	5.72E-07	5.19E-07	2.32E-07	2.36E-07	1.07E-08	2.59E-07	5.71E-08	7.77E-08	1.23E-07	2.13E-08	1.56E-08	5.65E-07
104	486583.18	3855843.15	9.17E-04	9.36E-04	9.35E-04	3.17E-07	9.58E-07	5.55E-07	5.66E-07	5.13E-07	2.29E-07	2.34E-07	1.06E-08	2.56E-07	5.65E-08	7.69E-08	1.22E-07	2.11E-08	1.54E-08	5.58E-07
105	486633.18	3855843.15	9.18E-04	9.37E-04	9.36E-04	3.18E-07	9.60E-07	5.56E-07	5.67E-07	5.14E-07	2.30E-07	2.34E-07	1.06E-08	2.56E-07	5.66E-08	7.70E-08	1.22E-07	2.11E-08	1.54E-08	5.59E-07
106	486683.18	3855843.15	9.20E-04	9.39E-04	9.38E-04	3.18E-07	9.62E-07	5.57E-07	5.68E-07	5.15E-07	2.30E-07	2.35E-07	1.06E-08	2.57E-07	5.67E-08	7.71E-08	1.22E-07	2.11E-08	1.55E-08	5.60E-07
107	486733.18	3855843.15	9.22E-04	9.41E-04	9.39E-04	3.19E-07	9.63E-07	5.58E-07	5.69E-07	5.16E-07	2.31E-07	2.35E-07	1.07E-08	2.57E-07	5.68E-08	7.73E-08	1.23E-07	2.12E-08	1.55E-08	5.61E-07

108	486783.18	3855843.15	9.23E-04	9.42E-04	9.41E-04	3.19E-07	9.65E-07	5.58E-07	5.70E-07	5.17E-07	2.31E-07	2.35E-07	1.07E-08	2.58E-07	5.69E-08	7.74E-08	1.23E-07	2.12E-08	1.55E-08	5.62E-07
109	486533.18	3855893.15	9.13E-04	9.32E-04	9.31E-04	3.16E-07	9.55E-07	5.53E-07	5.64E-07	5.11E-07	2.29E-07	2.33E-07	1.06E-08	2.55E-07	5.63E-08	7.66E-08	1.21E-07	2.10E-08	1.54E-08	5.56E-07
110	486583.18	3855893.15	9.13E-04	9.31E-04	9.30E-04	3.16E-07	9.54E-07	5.52E-07	5.63E-07	5.11E-07	2.28E-07	2.33E-07	1.05E-08	2.55E-07	5.62E-08	7.65E-08	1.21E-07	2.10E-08	1.54E-08	5.56E-07
111	486633.18	3855893.15	9.12E-04	9.30E-04	9.29E-04	3.16E-07	9.53E-07	5.52E-07	5.63E-07	5.10E-07	2.28E-07	2.33E-07	1.05E-08	2.55E-07	5.62E-08	7.64E-08	1.21E-07	2.09E-08	1.53E-08	5.55E-07
112	486683.18	3855893.15	9.13E-04	9.32E-04	9.30E-04	3.16E-07	9.54E-07	5.52E-07	5.64E-07	5.11E-07	2.28E-07	2.33E-07	1.06E-08	2.55E-07	5.62E-08	7.65E-08	1.21E-07	2.10E-08	1.54E-08	5.56E-07
113	486733.18	3855893.15	9.14E-04	9.33E-04	9.32E-04	3.17E-07	9.56E-07	5.53E-07	5.65E-07	5.12E-07	2.29E-07	2.33E-07	1.06E-08	2.55E-07	5.63E-08	7.66E-08	1.22E-07	2.10E-08	1.54E-08	5.57E-07
114	486783.18	3855893.15	9.17E-04	9.36E-04	9.35E-04	3.17E-07	9.58E-07	5.55E-07	5.66E-07	5.13E-07	2.29E-07	2.34E-07	1.06E-08	2.56E-07	5.65E-08	7.69E-08	1.22E-07	2.11E-08	1.54E-08	5.58E-07
115	486533.18	3855943.15	9.07E-04	9.26E-04	9.25E-04	3.14E-07	9.48E-07	5.49E-07	5.60E-07	5.08E-07	2.27E-07	2.31E-07	1.05E-08	2.53E-07	5.59E-08	7.61E-08	1.21E-07	2.08E-08	1.53E-08	5.53E-07
116	486583.18	3855943.15	9.09E-04	9.27E-04	9.26E-04	3.15E-07	9.50E-07	5.50E-07	5.61E-07	5.09E-07	2.27E-07	2.32E-07	1.05E-08	2.54E-07	5.60E-08	7.62E-08	1.21E-07	2.09E-08	1.53E-08	5.53E-07
117	486633.18	3855943.15	9.06E-04	9.25E-04	9.24E-04	3.14E-07	9.47E-07	5.48E-07	5.60E-07	5.07E-07	2.27E-07	2.31E-07	1.05E-08	2.53E-07	5.58E-08	7.60E-08	1.21E-07	2.08E-08	1.53E-08	5.52E-07
118	486683.18	3855943.15	9.08E-04	9.26E-04	9.25E-04	3.14E-07	9.49E-07	5.49E-07	5.61E-07	5.08E-07	2.27E-07	2.32E-07	1.05E-08	2.53E-07	5.59E-08	7.61E-08	1.21E-07	2.09E-08	1.53E-08	5.53E-07
119	486733.18	3855943.15	9.08E-04	9.26E-04	9.25E-04	3.14E-07	9.49E-07	5.49E-07	5.60E-07	5.08E-07	2.27E-07	2.32E-07	1.05E-08	2.53E-07	5.59E-08	7.61E-08	1.21E-07	2.08E-08	1.53E-08	5.53E-07
120	486783.18	3855943.15	9.10E-04	9.29E-04	9.28E-04	3.15E-07	9.51E-07	5.51E-07	5.62E-07	5.09E-07	2.28E-07	2.32E-07	1.05E-08	2.54E-07	5.61E-08	7.63E-08	1.21E-07	2.09E-08	1.53E-08	5.54E-07
121	486533.18	3855993.15	9.05E-04	9.23E-04	9.22E-04	3.13E-07	9.46E-07	5.47E-07	5.59E-07	5.06E-07	2.26E-07	2.31E-07	1.05E-08	2.53E-07	5.57E-08	7.58E-08	1.20E-07	2.08E-08	1.52E-08	5.51E-07
122	486583.18	3855993.15	9.03E-04	9.22E-04	9.21E-04	3.13E-07	9.44E-07	5.47E-07	5.58E-07	5.06E-07	2.26E-07	2.30E-07	1.04E-08	2.52E-07	5.57E-08	7.57E-08	1.20E-07	2.08E-08	1.52E-08	5.50E-07
123	486633.18	3855993.15	9.02E-04	9.20E-04	9.19E-04	3.12E-07	9.43E-07	5.46E-07	5.57E-07	5.05E-07	2.26E-07	2.30E-07	1.04E-08	2.52E-07	5.56E-08	7.56E-08	1.20E-07	2.07E-08	1.52E-08	5.49E-07
124	486683.18	3855993.15	9.03E-04	9.21E-04	9.20E-04	3.12E-07	9.43E-07	5.46E-07	5.57E-07	5.05E-07	2.26E-07	2.30E-07	1.04E-08	2.52E-07	5.56E-08	7.57E-08	1.20E-07	2.07E-08	1.52E-08	5.50E-07
125	486733.18	3855993.15	9.02E-04	9.21E-04	9.20E-04	3.12E-07	9.43E-07	5.46E-07	5.57E-07	5.05E-07	2.26E-07	2.30E-07	1.04E-08	2.52E-07	5.56E-08	7.56E-08	1.20E-07	2.07E-08	1.52E-08	5.49E-07
126	486783.18	3855993.15	9.03E-04	9.22E-04	9.21E-04	3.13E-07	9.44E-07	5.47E-07	5.58E-07	5.06E-07	2.26E-07	2.30E-07	1.04E-08	2.52E-07	5.57E-08	7.57E-08	1.20E-07	2.08E-08	1.52E-08	5.50E-07
127	486533.18	3856043.15	9.02E-04	9.21E-04	9.20E-04	3.12E-07	9.43E-07	5.46E-07	5.57E-07	5.05E-07	2.26E-07	2.30E-07	1.04E-08	2.52E-07	5.56E-08	7.56E-08	1.20E-07	2.07E-08	1.52E-08	5.49E-07
128	486583.18	3856043.15	9.01E-04	9.20E-04	9.19E-04	3.12E-07	9.42E-07	5.45E-07	5.57E-07	5.04E-07	2.26E-07	2.30E-07	1.04E-08	2.52E-07	5.55E-08	7.56E-08	1.20E-07	2.07E-08	1.52E-08	5.49E-07
129	486633.18	3856043.15	8.98E-04	9.17E-04	9.16E-04	3.11E-07	9.39E-07	5.44E-07	5.55E-07	5.03E-07	2.25E-07	2.29E-07	1.04E-08	2.51E-07	5.54E-08	7.53E-08	1.19E-07	2.06E-08	1.51E-08	5.47E-07
130	486683.18	3856043.15	8.99E-04	9.17E-04	9.16E-04	3.11E-07	9.39E-07	5.44E-07	5.55E-07	5.03E-07	2.25E-07	2.29E-07	1.04E-08	2.51E-07	5.54E-08	7.53E-08	1.20E-07	2.06E-08	1.51E-08	5.47E-07
131	486733.18	3856043.15	8.97E-04	9.16E-04	9.14E-04	3.11E-07	9.38E-07	5.43E-07	5.54E-07	5.02E-07	2.25E-07	2.29E-07	1.04E-08	2.51E-07	5.53E-08	7.52E-08	1.19E-07	2.06E-08	1.51E-08	5.46E-07
132	486783.18	3856043.15	8.99E-04	9.18E-04	9.17E-04	3.11E-07	9.40E-07	5.44E-07	5.55E-07	5.03E-07	2.25E-07	2.29E-07	1.04E-08	2.51E-07	5.54E-08	7.54E-08	1.20E-07	2.07E-08	1.51E-08	5.48E-07
133	486533.18	3856093.15	9.02E-04	9.20E-04	9.19E-04	3.12E-07	9.42E-07	5.46E-07	5.57E-07	5.05E-07	2.26E-07	2.30E-07	1.04E-08	2.52E-07	5.56E-08	7.56E-08	1.20E-07	2.07E-08	1.52E-08	5.49E-07
134	486583.18	3856093.15	8.99E-04	9.17E-04	9.16E-04	3.11E-07	9.40E-07	5.44E-07	5.55E-07	5.03E-07	2.25E-07	2.29E-07	1.04E-08	2.51E-07	5.54E-08	7.54E-08	1.20E-07	2.06E-08	1.51E-08	5.47E-07
135	486633.18	3856093.15	8.96E-04	9.15E-04	9.14E-04	3.10E-07	9.37E-07	5.42E-07	5.53E-07	5.02E-07	2.24E-07	2.29E-07	1.04E-08	2.50E-07	5.52E-08	7.51E-08	1.19E-07	2.06E-08	1.51E-08	5.46E-07
136	486683.18	3856093.15	8.95E-04	9.14E-04	9.13E-04	3.10E-07	9.36E-07	5.42E-07	5.53E-07	5.01E-07	2.24E-07	2.28E-07	1.04E-08	2.50E-07	5.52E-08	7.51E-08	1.19E-07	2.06E-08	1.51E-08	5.45E-07
137	486733.18	3856093.15	8.94E-04	9.12E-04	9.11E-04	3.09E-07	9.34E-07	5.41E-07	5.52E-07	5.00E-07	2.24E-07	2.28E-07	1.03E-08	2.50E-07	5.51E-08	7.49E-08	1.19E-07	2.05E-08	1.50E-08	5.44E-07
138	486783.18	3856093.15	8.94E-04	9.13E-04	9.11E-04	3.10E-07	9.35E-07	5.41E-07	5.52E-07	5.01E-07	2.24E-07	2.28E-07	1.03E-08	2.50E-07	5.51E-08	7.50E-08	1.19E-07	2.05E-08	1.50E-08	5.45E-07
139	486533.18	3856143.15	9.00E-04	9.19E-04	9.18E-04	3.12E-07	9.41E-07	5.45E-07	5.56E-07	5.04E-07	2.25E-07	2.30E-07	1.04E-08	2.51E-07	5.55E-08	7.55E-08	1.20E-07	2.07E-08	1.52E-08	5.48E-07
140	486583.18	3856143.15	8.97E-04	9.15E-04	9.14E-04	3.10E-07	9.37E-07	5.43E-07	5.54E-07	5.02E-07	2.24E-07	2.29E-07	1.04E-08	2.50E-07	5.52E-08	7.52E-08	1.19E-07	2.06E-08	1.51E-08	5.46E-07
141	486633.18	3856143.15	8.95E-04	9.13E-04	9.12E-04	3.10E-07	9.35E-07	5.41E-07	5.53E-07	5.01E-07	2.24E-07	2.28E-07	1.03E-08	2.50E-07	5.51E-08	7.50E-08	1.19E-07	2.06E-08	1.51E-08	5.45E-07
142	486683.18	3856143.15	8.93E-04	9.11E-04	9.10E-04	3.09E-07	9.33E-07	5.40E-07	5.51E-07	5.00E-07	2.23E-07	2.28E-07	1.03E-08	2.49E-07	5.50E-08	7.48E-08	1.19E-07	2.05E-08	1.50E-08	5.44E-07
143	486733.18	3856143.15	8.91E-04	9.10E-04	9.08E-04	3.09E-07	9.32E-07	5.39E-07	5.50E-07	4.99E-07	2.23E-07	2.27E-07	1.03E-08	2.49E-07	5.49E-08	7.47E-08	1.19E-07	2.05E-08	1.50E-08	5.43E-07
144	486783.18	3856143.15	8.93E-04	9.11E-04	9.10E-04	3.09E-07	9.33E-07	5.40E-07	5.51E-07	5.00E-07	2.23E-07	2.28E-07	1.03E-08	2.49E-07	5.50E-08	7.48E-08	1.19E-07	2.05E-08	1.50E-08	5.44E-07
145	486533.18	3856193.15	9.01E-04	9.19E-04	9.18E-04	3.12E-07	9.42E-07	5.45E-07	5.56E-07	5.04E-07	2.25E-07	2.30E-07	1.04E-08	2.52E-07	5.55E-08	7.55E-08	1.20E-07	2.07E-08	1.52E-08	5.49E-07
146	486583.18	3856193.15	8.96E-04	9.14E-04	9.13E-04	3.10E-07	9.36E-07	5.42E-07	5.53E-07	5.01E-07	2.24E-07	2.28E-07	1.04E-08	2.50E-07	5.52E-08	7.51E-08	1.19E-07	2.06E-08	1.51E-08	5.46E-07
147	486633.18	3856193.15	8.94E-04	9.12E-04	9.11E-04	3.09E-07	9.34E-07	5.41E-07	5.52E-07	5.00E-07	2.24E-07	2.28E-07	1.03E-08	2.50E-07	5.51E-08	7.49E-08	1.19E-07	2.05E-08	1.50E-08	5.44E-07
148	486683.18	3856193.15	8.93E-04	9.12E-04	9.11E-04	3.09E-07	9.34E-07	5.41E-07	5.52E-07	5.00E-07	2.24E-07	2.28E-07	1.03E-08	2.49E-07	5.50E-08	7.49E-08	1.19E-07	2.05E-08	1.50E-08	5.44E-07
149	486733.18	3856193.15	8.90E-04	9.09E-04	9.08E-04	3.08E-07	9.31E-07	5.39E-07	5.50E-07	4.98E-07	2.23E-07	2.27E-07	1.03E-08	2.49E-07	5.49E-08	7.46E-08	1.18E-07	2.05E-08	1.50E-08	5.42E-07
150	486783.18	3856193.15	8.91E-04	9.09E-04	9.08E-04	3.08E-07	9.31E-07	5.39E-07	5.50E-07	4.99E-07	2.23E-07	2.27E-07	1.03E-08	2.49E-07	5.49E-08	7.47E-08	1.18E-07	2.05E-08	1.50E-08	5.43E-07
151	486533.18	3856243.15	9.00E-04	9.18E-04	9.17E-04	3.12E-07	9.41E-07	5.45E-07	5.56E-07	5.04E-07	2.25E-07	2.30E-07	1.04E-08	2.51E-07	5.54E-08	7.54E-08	1.20E-07	2.07E-08	1.51E-08	5.48E-07
152	486583.18	3856243.15	8.97E-04	9.15E-04	9.14E-04	3.10E-07	9.38E-07	5.43E-07	5.54E-07	5.02E-07	2.24E-07	2.29E-07	1.04E-08	2.50E-07	5.53E-08	7.52E-08	1.19E-07	2.06E-08	1.51E-08	5.46E-07
153	486633.18	3856243.15	8.94E-04	9.13E-04	9.11E-04	3.10E-07	9.35E-07	5.41E-07	5.52E-07	5.01E-07	2.24E-07	2.28E-07	1.03E-08	2.50E-07	5.51E-08	7.50E-08	1.19E-07	2.05E-08	1.50E-08	5.45E-07
154	486683.18	3856243.15	8.92E-04	9.10E-04	9.09E-04	3.09E-07	9.33E-07	5.40E-07	5.51E-07	4.99E-07	2.23E-07	2.28E-07	1.03E-08	2.49E-07	5.50E-08	7.48E-08	1.19E-07	2.05E-08	1.50E-08	5.43E-07
155	486733.18	3856243.15	8.91E-04	9.10E-04	9.08E-04	3.09E-07	9.32E-07	5.39E-07	5.50E-07	4.99E-07	2.23E-07	2.27E-07	1.03E-08	2.49E-07	5.49E-08	7.47E-08	1.19E-07	2.05E-08	1.50E-08	5.43E-07
156	486783.18	3856243.15	8.90E-04	9.08E-04	9.07E-04	3.08E-07	9.30E-07	5.38E-07	5.49E-07	4.98E-07	2.23E-07	2.27E-07	1.03E-08	2.48E-07	5.48E-08	7.46E-08	1.18E-07	2.04E-08	1.50E-08	5.42E-07
157	486533.18	3856293.15	8.99E-04	9.18E-04	9.17E-04	3.11E-07	9.40E-07	5.44E-07	5.55E-07	5.03E-07	2.25E-07	2.29E-07	1.04E-08	2.51E-07	5.54E-08	7.54E-08	1.20E-07	2.07E-08	1.51E-08	5.48E-07
158	486583.18	3856293.15	8.97E-04	9.15E-04	9.14E-04	3.10E-07	9.37E-07	5.43E-07	5.54E-07	5.02E-07	2.24E-07	2.29E-07	1.04E-08	2.50E-07	5.52E-08	7.52E-08	1.19E-07	2.06E-08	1.51E-08	5.46E-07
159	486633.18	3856293.15	8.95E-04	9.13E-04	9.12E-04	3.10E-07	9.35E-07	5.41E-07	5.52E-07	5.01E-07	2.24E-07	2.28E-07	1.03E-08	2.50E-07	5.51E-08	7.50E-08	1.19E-07	2.05E-08	1.51E-08	5.45E-07
160	486683.18	3856293.15	8.93E-04	9.11E-04	9.10E-04	3.09E-07	9.33E-07	5.40E-07	5.51E-07	5.00E-07	2.23E-07	2.28E-07	1.03E-08	2.49E-07	5.50E-08	7.48E-08	1.19E-07	2.05E-08	1.50E-08	5.44E-07
161	486733.18	3856293.15	8.92E-04	9.10E-04	9.09E-04	3.09E-07	9.33E-07	5.40E-07	5.51E-07	4.99E-07	2.23E-07	2.28E-07	1.03E-08	2.49E-07	5.50E-08	7.48E-08	1.19E-07	2.05E-08	1.50E-08	5.43E-07
162	486783.18	3856293.15	8.90E-04	9.08E-04	9.07E-04	3.08E-07	9.30E-07	5.38E-07	5.49E-07	4.98E-07	2.23E-07	2.27E-07	1.03E-08	2.48E-07	5.48E-08	7.46E-08	1.18E-07	2.04E-08	1.50E-08	5.42E-07
163	486783.18	3856343.15	8.92E-04	9.10E-04	9.09E-04	3.09E-07	9.33E-07	5.40E-07	5.51E-07	4.99E-07	2.23E-07	2.28E-07	1.03E-08	2.49E-07	5.50E-08	7.48E-08	1.19E-07	2.05E-08	1.50E-08	5.43E-07
164	486833.18	3856343.15	8.90E-04	9.09E-04	9.08E-04	3.08E-07	9.31E-07	5.39E-07	5.50E-07	4.98E-07	2.23E-07	2.27E-07	1.03E-08	2.49E-07	5.49E-08	7.46E-08	1.18E-07	2.05E-08	1.50E-08	5.42E-07

165	486883.18	3856343.15	8.89E-04	9.07E-04	9.06E-04	3.08E-07	9.29E-07	5.38E-07	5.49E-07	4.98E-07	2.23E-07	2.27E-07	1.03E-08	2.48E-07	5.48E-08	7.45E-08	1.18E-07	2.04E-08	1.50E-08	5.42E-07
166	486783.18	3856393.15	8.92E-04	9.10E-04	9.09E-04	3.09E-07	9.33E-07	5.40E-07	5.51E-07	4.99E-07	2.23E-07	2.28E-07	1.03E-08	2.49E-07	5.50E-08	7.48E-08	1.19E-07	2.05E-08	1.50E-08	5.43E-07
167	486833.18	3856393.15	8.91E-04	9.09E-04	9.08E-04	3.08E-07	9.31E-07	5.39E-07	5.50E-07	4.99E-07	2.23E-07	2.27E-07	1.03E-08	2.49E-07	5.49E-08	7.47E-08	1.18E-07	2.05E-08	1.50E-08	5.43E-07
168	486883.18	3856393.15	8.88E-04	9.07E-04	9.05E-04	3.08E-07	9.29E-07	5.38E-07	5.49E-07	4.97E-07	2.22E-07	2.27E-07	1.03E-08	2.48E-07	5.47E-08	7.45E-08	1.18E-07	2.04E-08	1.49E-08	5.41E-07
169	487208.74	3856886.11	9.11E-04	9.30E-04	9.29E-04	3.15E-07	9.52E-07	5.51E-07	5.63E-07	5.10E-07	2.28E-07	2.32E-07	1.05E-08	2.54E-07	5.61E-08	7.64E-08	1.21E-07	2.09E-08	1.53E-08	5.55E-07
170	487258.74	3856886.11	9.10E-04	9.29E-04	9.27E-04	3.15E-07	9.51E-07	5.51E-07	5.62E-07	5.09E-07	2.28E-07	2.32E-07	1.05E-08	2.54E-07	5.61E-08	7.63E-08	1.21E-07	2.09E-08	1.53E-08	5.54E-07
171	487308.74	3856886.11	9.08E-04	9.27E-04	9.26E-04	3.14E-07	9.50E-07	5.50E-07	5.61E-07	5.08E-07	2.27E-07	2.32E-07	1.05E-08	2.54E-07	5.60E-08	7.62E-08	1.21E-07	2.09E-08	1.53E-08	5.53E-07
172	487358.74	3856886.11	9.06E-04	9.25E-04	9.24E-04	3.14E-07	9.47E-07	5.48E-07	5.60E-07	5.07E-07	2.27E-07	2.31E-07	1.05E-08	2.53E-07	5.58E-08	7.60E-08	1.21E-07	2.08E-08	1.53E-08	5.52E-07
173	487208.74	3856936.11	9.16E-04	9.34E-04	9.33E-04	3.17E-07	9.57E-07	5.54E-07	5.65E-07	5.12E-07	2.29E-07	2.34E-07	1.06E-08	2.56E-07	5.64E-08	7.67E-08	1.22E-07	2.10E-08	1.54E-08	5.58E-07
174	487258.74	3856936.11	9.15E-04	9.34E-04	9.33E-04	3.17E-07	9.57E-07	5.54E-07	5.65E-07	5.12E-07	2.29E-07	2.33E-07	1.06E-08	2.56E-07	5.64E-08	7.67E-08	1.22E-07	2.10E-08	1.54E-08	5.57E-07
175	487308.74	3856936.11	9.15E-04	9.33E-04	9.32E-04	3.17E-07	9.56E-07	5.53E-07	5.65E-07	5.12E-07	2.29E-07	2.33E-07	1.06E-08	2.55E-07	5.64E-08	7.67E-08	1.22E-07	2.10E-08	1.54E-08	5.57E-07
176	487358.74	3856936.11	9.13E-04	9.32E-04	9.31E-04	3.16E-07	9.54E-07	5.53E-07	5.64E-07	5.11E-07	2.29E-07	2.33E-07	1.06E-08	2.55E-07	5.63E-08	7.65E-08	1.21E-07	2.10E-08	1.54E-08	5.56E-07
177	487208.74	3856986.11	9.18E-04	9.37E-04	9.36E-04	3.18E-07	9.60E-07	5.56E-07	5.67E-07	5.14E-07	2.30E-07	2.34E-07	1.06E-08	2.56E-07	5.66E-08	7.70E-08	1.22E-07	2.11E-08	1.55E-08	5.59E-07
178	487258.74	3856986.11	9.21E-04	9.40E-04	9.39E-04	3.19E-07	9.63E-07	5.57E-07	5.69E-07	5.16E-07	2.31E-07	2.35E-07	1.06E-08	2.57E-07	5.68E-08	7.72E-08	1.22E-07	2.12E-08	1.55E-08	5.61E-07
179	487308.74	3856986.11	9.21E-04	9.40E-04	9.39E-04	3.19E-07	9.62E-07	5.57E-07	5.69E-07	5.15E-07	2.30E-07	2.35E-07	1.06E-08	2.57E-07	5.67E-08	7.72E-08	1.22E-07	2.11E-08	1.55E-08	5.61E-07
180	487358.74	3856986.11	9.21E-04	9.40E-04	9.39E-04	3.19E-07	9.62E-07	5.57E-07	5.69E-07	5.15E-07	2.30E-07	2.35E-07	1.06E-08	2.57E-07	5.67E-08	7.72E-08	1.22E-07	2.11E-08	1.55E-08	5.61E-07
181	487208.74	3857036.11	9.21E-04	9.40E-04	9.39E-04	3.19E-07	9.63E-07	5.57E-07	5.69E-07	5.16E-07	2.31E-07	2.35E-07	1.06E-08	2.57E-07	5.68E-08	7.72E-08	1.22E-07	2.12E-08	1.55E-08	5.61E-07
182	487258.74	3857036.11	9.25E-04	9.44E-04	9.43E-04	3.20E-07	9.67E-07	5.60E-07	5.71E-07	5.18E-07	2.31E-07	2.36E-07	1.07E-08	2.58E-07	5.70E-08	7.75E-08	1.23E-07	2.12E-08	1.56E-08	5.63E-07
183	487308.74	3857036.11	9.28E-04	9.47E-04	9.46E-04	3.21E-07	9.70E-07	5.61E-07	5.73E-07	5.19E-07	2.32E-07	2.37E-07	1.07E-08	2.59E-07	5.72E-08	7.78E-08	1.23E-07	2.13E-08	1.56E-08	5.65E-07
184	487358.74	3857036.11	9.29E-04	9.48E-04	9.47E-04	3.22E-07	9.71E-07	5.62E-07	5.73E-07	5.20E-07	2.32E-07	2.37E-07	1.07E-08	2.59E-07	5.72E-08	7.79E-08	1.24E-07	2.13E-08	1.56E-08	5.66E-07
185	487427.14	3856878.23	9.05E-04	9.24E-04	9.23E-04	3.13E-07	9.46E-07	5.48E-07	5.59E-07	5.07E-07	2.27E-07	2.31E-07	1.05E-08	2.53E-07	5.58E-08	7.59E-08	1.20E-07	2.08E-08	1.52E-08	5.51E-07
186	487477.14	3856878.23	9.05E-04	9.23E-04	9.22E-04	3.13E-07	9.46E-07	5.48E-07	5.59E-07	5.06E-07	2.26E-07	2.31E-07	1.05E-08	2.53E-07	5.58E-08	7.59E-08	1.20E-07	2.08E-08	1.52E-08	5.51E-07
187	487527.14	3856878.23	9.05E-04	9.23E-04	9.22E-04	3.13E-07	9.46E-07	5.47E-07	5.59E-07	5.06E-07	2.26E-07	2.31E-07	1.05E-08	2.53E-07	5.57E-08	7.58E-08	1.20E-07	2.08E-08	1.52E-08	5.51E-07
188	487427.14	3856928.23	9.11E-04	9.30E-04	9.29E-04	3.15E-07	9.53E-07	5.51E-07	5.63E-07	5.10E-07	2.28E-07	2.32E-07	1.05E-08	2.54E-07	5.62E-08	7.64E-08	1.21E-07	2.09E-08	1.53E-08	5.55E-07
189	487477.14	3856928.23	9.10E-04	9.29E-04	9.27E-04	3.15E-07	9.51E-07	5.51E-07	5.62E-07	5.09E-07	2.28E-07	2.32E-07	1.05E-08	2.54E-07	5.61E-08	7.63E-08	1.21E-07	2.09E-08	1.53E-08	5.54E-07
190	487527.14	3856928.23	9.10E-04	9.29E-04	9.27E-04	3.15E-07	9.51E-07	5.51E-07	5.62E-07	5.09E-07	2.28E-07	2.32E-07	1.05E-08	2.54E-07	5.61E-08	7.63E-08	1.21E-07	2.09E-08	1.53E-08	5.54E-07
191	487577.14	3856928.23	9.10E-04	9.29E-04	9.28E-04	3.15E-07	9.51E-07	5.51E-07	5.62E-07	5.09E-07	2.28E-07	2.32E-07	1.05E-08	2.54E-07	5.61E-08	7.63E-08	1.21E-07	2.09E-08	1.53E-08	5.54E-07
192	487627.14	3856928.23	9.10E-04	9.28E-04	9.27E-04	3.15E-07	9.51E-07	5.50E-07	5.62E-07	5.09E-07	2.28E-07	2.32E-07	1.05E-08	2.54E-07	5.60E-08	7.63E-08	1.21E-07	2.09E-08	1.53E-08	5.54E-07
193	487677.14	3856928.23	9.12E-04	9.31E-04	9.30E-04	3.16E-07	9.53E-07	5.52E-07	5.63E-07	5.10E-07	2.28E-07	2.33E-07	1.05E-08	2.55E-07	5.62E-08	7.65E-08	1.21E-07	2.09E-08	1.53E-08	5.55E-07
194	487727.14	3856928.23	9.15E-04	9.34E-04	9.33E-04	3.17E-07	9.57E-07	5.54E-07	5.65E-07	5.12E-07	2.29E-07	2.33E-07	1.06E-08	2.56E-07	5.64E-08	7.67E-08	1.22E-07	2.10E-08	1.54E-08	5.57E-07
195	487777.14	3856928.23	9.18E-04	9.36E-04	9.35E-04	3.18E-07	9.59E-07	5.55E-07	5.67E-07	5.14E-07	2.30E-07	2.34E-07	1.06E-08	2.56E-07	5.65E-08	7.69E-08	1.22E-07	2.11E-08	1.54E-08	5.59E-07
196	487427.14	3856978.23	9.18E-04	9.37E-04	9.36E-04	3.18E-07	9.59E-07	5.55E-07	5.67E-07	5.14E-07	2.30E-07	2.34E-07	1.06E-08	2.56E-07	5.66E-08	7.69E-08	1.22E-07	2.11E-08	1.54E-08	5.59E-07
197	487477.14	3856978.23	9.18E-04	9.36E-04	9.35E-04	3.18E-07	9.59E-07	5.55E-07	5.67E-07	5.14E-07	2.30E-07	2.34E-07	1.06E-08	2.56E-07	5.65E-08	7.69E-08	1.22E-07	2.11E-08	1.54E-08	5.59E-07
198	487527.14	3856978.23	9.17E-04	9.36E-04	9.35E-04	3.18E-07	9.59E-07	5.55E-07	5.66E-07	5.13E-07	2.30E-07	2.34E-07	1.06E-08	2.56E-07	5.65E-08	7.69E-08	1.22E-07	2.11E-08	1.54E-08	5.59E-07
199	487577.14	3856978.23	9.17E-04	9.36E-04	9.35E-04	3.17E-07	9.58E-07	5.55E-07	5.66E-07	5.13E-07	2.29E-07	2.34E-07	1.06E-08	2.56E-07	5.65E-08	7.69E-08	1.22E-07	2.11E-08	1.54E-08	5.58E-07
200	487627.14	3856978.23	9.16E-04	9.35E-04	9.33E-04	3.17E-07	9.57E-07	5.54E-07	5.65E-07	5.13E-07	2.29E-07	2.34E-07	1.06E-08	2.56E-07	5.64E-08	7.68E-08	1.22E-07	2.10E-08	1.54E-08	5.58E-07
201	487677.14	3856978.23	9.18E-04	9.36E-04	9.35E-04	3.18E-07	9.59E-07	5.55E-07	5.67E-07	5.14E-07	2.30E-07	2.34E-07	1.06E-08	2.56E-07	5.65E-08	7.69E-08	1.22E-07	2.11E-08	1.54E-08	5.59E-07
202	487727.14	3856978.23	9.16E-04	9.35E-04	9.34E-04	3.17E-07	9.58E-07	5.54E-07	5.66E-07	5.13E-07	2.29E-07	2.34E-07	1.06E-08	2.56E-07	5.64E-08	7.68E-08	1.22E-07	2.10E-08	1.54E-08	5.58E-07
203	487777.14	3856978.23	9.23E-04	9.42E-04	9.41E-04	3.20E-07	9.65E-07	5.59E-07	5.70E-07	5.17E-07	2.31E-07	2.36E-07	1.07E-08	2.58E-07	5.69E-08	7.74E-08	1.23E-07	2.12E-08	1.55E-08	5.62E-07
204	487427.14	3857028.23	9.27E-04	9.46E-04	9.45E-04	3.21E-07	9.69E-07	5.61E-07	5.72E-07	5.19E-07	2.32E-07	2.36E-07	1.07E-08	2.59E-07	5.71E-08	7.77E-08	1.23E-07	2.13E-08	1.56E-08	5.64E-07
205	487477.14	3857028.23	9.26E-04	9.45E-04	9.44E-04	3.21E-07	9.68E-07	5.60E-07	5.72E-07	5.18E-07	2.32E-07	2.36E-07	1.07E-08	2.59E-07	5.71E-08	7.76E-08	1.23E-07	2.13E-08	1.56E-08	5.64E-07
206	487527.14	3857028.23	9.25E-04	9.44E-04	9.43E-04	3.20E-07	9.67E-07	5.60E-07	5.71E-07	5.18E-07	2.31E-07	2.36E-07	1.07E-08	2.58E-07	5.70E-08	7.75E-08	1.23E-07	2.12E-08	1.56E-08	5.63E-07
207	487577.14	3857028.23	9.25E-04	9.44E-04	9.42E-04	3.20E-07	9.66E-07	5.59E-07	5.71E-07	5.18E-07	2.31E-07	2.36E-07	1.07E-08	2.58E-07	5.70E-08	7.75E-08	1.23E-07	2.12E-08	1.56E-08	5.63E-07
208	487627.14	3857028.23	9.23E-04	9.42E-04	9.41E-04	3.20E-07	9.65E-07	5.59E-07	5.70E-07	5.17E-07	2.31E-07	2.35E-07	1.07E-08	2.58E-07	5.69E-08	7.74E-08	1.23E-07	2.12E-08	1.55E-08	5.62E-07
209	487677.14	3857028.23	9.24E-04	9.43E-04	9.42E-04	3.20E-07	9.66E-07	5.59E-07	5.70E-07	5.17E-07	2.31E-07	2.36E-07	1.07E-08	2.58E-07	5.69E-08	7.74E-08	1.23E-07	2.12E-08	1.55E-08	5.63E-07
210	487727.14	3857028.23	9.26E-04	9.45E-04	9.44E-04	3.21E-07	9.68E-07	5.61E-07	5.72E-07	5.19E-07	2.32E-07	2.36E-07	1.07E-08	2.59E-07	5.71E-08	7.77E-08	1.23E-07	2.13E-08	1.56E-08	5.64E-07
211	487777.14	3857028.23	9.29E-04	9.48E-04	9.47E-04	3.22E-07	9.71E-07	5.62E-07	5.73E-07	5.20E-07	2.32E-07	2.37E-07	1.07E-08	2.59E-07	5.72E-08	7.79E-08	1.24E-07	2.13E-08	1.56E-08	5.66E-07
212	487427.14	3857078.23	9.35E-04	9.54E-04	9.53E-04	3.24E-07	9.78E-07	5.66E-07	5.77E-07	5.23E-07	2.34E-07	2.39E-07	1.08E-08	2.61E-07	5.76E-08	7.84E-08	1.24E-07	2.15E-08	1.57E-08	5.70E-07
213	487477.14	3857078.23	9.34E-04	9.53E-04	9.52E-04	3.23E-07	9.77E-07	5.65E-07	5.77E-07	5.23E-07	2.34E-07	2.38E-07	1.08E-08	2.61E-07	5.76E-08	7.83E-08	1.24E-07	2.15E-08	1.57E-08	5.69E-07
214	487527.14	3857078.23	9.34E-04	9.53E-04	9.52E-04	3.23E-07	9.76E-07	5.65E-07	5.77E-07	5.23E-07	2.34E-07	2.38E-07	1.08E-08	2.61E-07	5.76E-08	7.83E-08	1.24E-07	2.15E-08	1.57E-08	5.69E-07
215	487577.14	3857078.23	9.33E-04	9.52E-04	9.51E-04	3.23E-07	9.75E-07	5.65E-07	5.76E-07	5.22E-07	2.34E-07	2.38E-07	1.08E-08	2.61E-07	5.75E-08	7.82E-08	1.24E-07	2.14E-08	1.57E-08	5.68E-07
216	487627.14	3857078.23	9.32E-04	9.51E-04	9.50E-04	3.23E-07	9.74E-07	5.64E-07	5.76E-07	5.22E-07	2.33E-07	2.38E-07	1.08E-08	2.60E-07	5.74E-08	7.82E-08	1.24E-07	2.14E-08	1.57E-08	5.68E-07
217	487677.14	3857078.23	9.32E-04	9.51E-04	9.50E-04	3.23E-07	9.74E-07	5.64E-07	5.76E-07	5.22E-07	2.33E-07	2.38E-07	1.08E-08	2.60E-07	5.74E-08	7.82E-08	1.24E-07	2.14E-08	1.57E-08	5.68E-07
218	487727.14	3857078.23	9.34E-04	9.53E-04	9.52E-04	3.23E-07	9.76E-07	5.65E-07	5.77E-07	5.23E-07	2.34E-07	2.38E-07	1.08E-08	2.61E-07	5.75E-08	7.83E-08	1.24E-07	2.14E-08	1.57E-08	5.69E-07
219	487777.14	3857078.23	9.35E-04	9.54E-04	9.53E-04	3.24E-07	9.77E-07	5.66E-07	5.77E-07	5.23E-07	2.34E-07	2.38E-07	1.08E-08	2.61E-07	5.76E-08	7.84E-08	1.24E-07	2.15E-08	1.57E-08	5.69E-07
220	487427.14	3857128.23	9.44E-04	9.63E-04	9.62E-04	3.27E-07	9.86E-07	5.71E-07	5.83E-07	5.28E-07	2.36E-07	2.41E-07	1.09E-08	2.64E-07	5.82E-08	7.91E-08	1.26E-07	2.17E-08	1.59E-08	5.75E-07
221	487477.14	3857128.23	9.44E-04	9.63E-04	9.62E-04	3.27E-07	9.86E-07	5.71E-07	5.83E-07	5.28E-07	2.36E-07	2.41E-07	1.09E-08	2.63E-07	5.81E-08	7.91E-08	1.25E-07	2.17E-08	1.59E-08	5.75E-07

222	487527.14	3857128.23	9.43E-04	9.62E-04	9.61E-04	3.26E-07	9.85E-07	5.70E-07	5.82E-07	5.28E-07	2.36E-07	2.40E-07	1.09E-08	2.63E-07	5.81E-08	7.90E-08	1.25E-07	2.17E-08	1.59E-08	5.74E-07
223	487577.14	3857128.23	9.42E-04	9.62E-04	9.60E-04	3.26E-07	9.85E-07	5.70E-07	5.82E-07	5.27E-07	2.36E-07	2.40E-07	1.09E-08	2.63E-07	5.81E-08	7.90E-08	1.25E-07	2.16E-08	1.59E-08	5.74E-07
224	487627.14	3857128.23	9.42E-04	9.61E-04	9.60E-04	3.26E-07	9.85E-07	5.70E-07	5.82E-07	5.27E-07	2.36E-07	2.40E-07	1.09E-08	2.63E-07	5.80E-08	7.90E-08	1.25E-07	2.16E-08	1.59E-08	5.74E-07
225	487677.14	3857128.23	9.41E-04	9.60E-04	9.59E-04	3.26E-07	9.83E-07	5.69E-07	5.81E-07	5.27E-07	2.35E-07	2.40E-07	1.09E-08	2.63E-07	5.80E-08	7.89E-08	1.25E-07	2.16E-08	1.58E-08	5.73E-07
226	487727.14	3857128.23	9.43E-04	9.62E-04	9.61E-04	3.26E-07	9.86E-07	5.71E-07	5.82E-07	5.28E-07	2.36E-07	2.41E-07	1.09E-08	2.63E-07	5.81E-08	7.90E-08	1.25E-07	2.17E-08	1.59E-08	5.74E-07
227	487777.14	3857128.23	9.43E-04	9.62E-04	9.61E-04	3.26E-07	9.86E-07	5.71E-07	5.82E-07	5.28E-07	2.36E-07	2.41E-07	1.09E-08	2.63E-07	5.81E-08	7.90E-08	1.25E-07	2.17E-08	1.59E-08	5.74E-07
228	488049.44	3856539.39	8.93E-04	9.11E-04	9.10E-04	3.09E-07	9.33E-07	5.40E-07	5.51E-07	5.00E-07	2.24E-07	2.28E-07	1.03E-08	2.49E-07	5.50E-08	7.49E-08	1.19E-07	2.05E-08	1.50E-08	5.44E-07
229	488099.44	3856539.39	8.90E-04	9.08E-04	9.07E-04	3.08E-07	9.30E-07	5.39E-07	5.50E-07	4.98E-07	2.23E-07	2.27E-07	1.03E-08	2.49E-07	5.48E-08	7.46E-08	1.18E-07	2.04E-08	1.50E-08	5.42E-07
230	488149.44	3856539.39	8.89E-04	9.07E-04	9.06E-04	3.08E-07	9.29E-07	5.38E-07	5.49E-07	4.98E-07	2.22E-07	2.27E-07	1.03E-08	2.48E-07	5.48E-08	7.45E-08	1.18E-07	2.04E-08	1.50E-08	5.41E-07
231	488049.44	3856589.39	8.95E-04	9.13E-04	9.12E-04	3.10E-07	9.35E-07	5.41E-07	5.53E-07	5.01E-07	2.24E-07	2.28E-07	1.03E-08	2.50E-07	5.51E-08	7.50E-08	1.19E-07	2.06E-08	1.51E-08	5.45E-07
232	488099.44	3856589.39	8.92E-04	9.10E-04	9.09E-04	3.09E-07	9.33E-07	5.40E-07	5.51E-07	4.99E-07	2.23E-07	2.28E-07	1.03E-08	2.49E-07	5.50E-08	7.48E-08	1.19E-07	2.05E-08	1.50E-08	5.43E-07
233	488149.44	3856589.39	8.90E-04	9.08E-04	9.07E-04	3.08E-07	9.30E-07	5.39E-07	5.50E-07	4.98E-07	2.23E-07	2.27E-07	1.03E-08	2.49E-07	5.48E-08	7.46E-08	1.18E-07	2.04E-08	1.50E-08	5.42E-07
234	488199.44	3856589.39	8.87E-04	9.05E-04	9.04E-04	3.07E-07	9.27E-07	5.37E-07	5.48E-07	4.97E-07	2.22E-07	2.26E-07	1.03E-08	2.48E-07	5.47E-08	7.44E-08	1.18E-07	2.04E-08	1.49E-08	5.40E-07
235	488249.44	3856589.39	8.88E-04	9.07E-04	9.05E-04	3.08E-07	9.29E-07	5.38E-07	5.49E-07	4.97E-07	2.22E-07	2.27E-07	1.03E-08	2.48E-07	5.47E-08	7.45E-08	1.18E-07	2.04E-08	1.49E-08	5.41E-07
236	488049.44	3856639.39	8.97E-04	9.16E-04	9.14E-04	3.11E-07	9.38E-07	5.43E-07	5.54E-07	5.02E-07	2.25E-07	2.29E-07	1.04E-08	2.51E-07	5.53E-08	7.52E-08	1.19E-07	2.06E-08	1.51E-08	5.46E-07
237	488099.44	3856639.39	8.94E-04	9.13E-04	9.11E-04	3.10E-07	9.35E-07	5.41E-07	5.52E-07	5.01E-07	2.24E-07	2.28E-07	1.03E-08	2.50E-07	5.51E-08	7.50E-08	1.19E-07	2.05E-08	1.50E-08	5.45E-07
238	488149.44	3856639.39	8.92E-04	9.10E-04	9.09E-04	3.09E-07	9.32E-07	5.40E-07	5.51E-07	4.99E-07	2.23E-07	2.28E-07	1.03E-08	2.49E-07	5.50E-08	7.48E-08	1.19E-07	2.05E-08	1.50E-08	5.43E-07
239	488199.44	3856639.39	8.91E-04	9.09E-04	9.08E-04	3.08E-07	9.31E-07	5.39E-07	5.50E-07	4.99E-07	2.23E-07	2.27E-07	1.03E-08	2.49E-07	5.49E-08	7.47E-08	1.18E-07	2.05E-08	1.50E-08	5.42E-07
240	488249.44	3856639.39	8.89E-04	9.07E-04	9.06E-04	3.08E-07	9.29E-07	5.38E-07	5.49E-07	4.98E-07	2.23E-07	2.27E-07	1.03E-08	2.48E-07	5.48E-08	7.45E-08	1.18E-07	2.04E-08	1.50E-08	5.42E-07
241	488299.44	3856639.39	8.88E-04	9.06E-04	9.05E-04	3.07E-07	9.28E-07	5.37E-07	5.48E-07	4.97E-07	2.22E-07	2.26E-07	1.03E-08	2.48E-07	5.47E-08	7.44E-08	1.18E-07	2.04E-08	1.49E-08	5.41E-07
242	488349.44	3856639.39	8.86E-04	9.04E-04	9.03E-04	3.07E-07	9.26E-07	5.36E-07	5.47E-07	4.96E-07	2.22E-07	2.26E-07	1.02E-08	2.47E-07	5.46E-08	7.43E-08	1.18E-07	2.03E-08	1.49E-08	5.39E-07
243	488399.44	3856639.39	8.86E-04	9.04E-04	9.03E-04	3.07E-07	9.26E-07	5.36E-07	5.47E-07	4.96E-07	2.22E-07	2.26E-07	1.02E-08	2.47E-07	5.46E-08	7.43E-08	1.18E-07	2.04E-08	1.49E-08	5.40E-07
244	488099.44	3856689.39	8.98E-04	9.17E-04	9.16E-04	3.11E-07	9.39E-07	5.44E-07	5.55E-07	5.03E-07	2.25E-07	2.29E-07	1.04E-08	2.51E-07	5.54E-08	7.53E-08	1.19E-07	2.06E-08	1.51E-08	5.47E-07
245	488149.44	3856689.39	8.95E-04	9.13E-04	9.12E-04	3.10E-07	9.36E-07	5.42E-07	5.53E-07	5.01E-07	2.24E-07	2.28E-07	1.03E-08	2.50E-07	5.52E-08	7.50E-08	1.19E-07	2.06E-08	1.51E-08	5.45E-07
246	488199.44	3856689.39	8.94E-04	9.12E-04	9.11E-04	3.09E-07	9.34E-07	5.41E-07	5.52E-07	5.00E-07	2.24E-07	2.28E-07	1.03E-08	2.50E-07	5.51E-08	7.49E-08	1.19E-07	2.05E-08	1.50E-08	5.44E-07
247	488249.44	3856689.39	8.91E-04	9.09E-04	9.08E-04	3.08E-07	9.31E-07	5.39E-07	5.50E-07	4.99E-07	2.23E-07	2.27E-07	1.03E-08	2.49E-07	5.49E-08	7.47E-08	1.18E-07	2.05E-08	1.50E-08	5.43E-07
248	488299.44	3856689.39	8.91E-04	9.09E-04	9.08E-04	3.08E-07	9.31E-07	5.39E-07	5.50E-07	4.99E-07	2.23E-07	2.27E-07	1.03E-08	2.49E-07	5.49E-08	7.47E-08	1.18E-07	2.05E-08	1.50E-08	5.42E-07
249	488349.44	3856689.39	8.88E-04	9.07E-04	9.05E-04	3.08E-07	9.29E-07	5.38E-07	5.49E-07	4.97E-07	2.22E-07	2.27E-07	1.03E-08	2.48E-07	5.47E-08	7.45E-08	1.18E-07	2.04E-08	1.49E-08	5.41E-07
250	488399.44	3856689.39	8.85E-04	9.03E-04	9.02E-04	3.06E-07	9.25E-07	5.35E-07	5.46E-07	4.95E-07	2.21E-07	2.26E-07	1.02E-08	2.47E-07	5.45E-08	7.42E-08	1.18E-07	2.03E-08	1.49E-08	5.39E-07
251	488099.44	3856739.39	9.04E-04	9.22E-04	9.21E-04	3.13E-07	9.45E-07	5.47E-07	5.58E-07	5.06E-07	2.26E-07	2.31E-07	1.05E-08	2.52E-07	5.57E-08	7.58E-08	1.20E-07	2.08E-08	1.52E-08	5.51E-07
252	488149.44	3856739.39	9.00E-04	9.18E-04	9.17E-04	3.12E-07	9.41E-07	5.45E-07	5.56E-07	5.04E-07	2.25E-07	2.30E-07	1.04E-08	2.51E-07	5.54E-08	7.54E-08	1.20E-07	2.07E-08	1.51E-08	5.48E-07
253	488199.44	3856739.39	8.99E-04	9.17E-04	9.16E-04	3.11E-07	9.40E-07	5.44E-07	5.55E-07	5.03E-07	2.25E-07	2.29E-07	1.04E-08	2.51E-07	5.54E-08	7.54E-08	1.20E-07	2.06E-08	1.51E-08	5.47E-07
254	488249.44	3856739.39	8.96E-04	9.14E-04	9.13E-04	3.10E-07	9.37E-07	5.42E-07	5.53E-07	5.02E-07	2.24E-07	2.29E-07	1.04E-08	2.50E-07	5.52E-08	7.51E-08	1.19E-07	2.06E-08	1.51E-08	5.46E-07
255	488299.44	3856739.39	8.91E-04	9.10E-04	9.08E-04	3.09E-07	9.32E-07	5.39E-07	5.50E-07	4.99E-07	2.23E-07	2.27E-07	1.03E-08	2.49E-07	5.49E-08	7.47E-08	1.19E-07	2.05E-08	1.50E-08	5.43E-07
256	488349.44	3856739.39	8.92E-04	9.10E-04	9.09E-04	3.09E-07	9.33E-07	5.40E-07	5.51E-07	4.99E-07	2.23E-07	2.28E-07	1.03E-08	2.49E-07	5.50E-08	7.48E-08	1.19E-07	2.05E-08	1.50E-08	5.43E-07
257	488399.44	3856739.39	8.93E-04	9.11E-04	9.10E-04	3.09E-07	9.33E-07	5.40E-07	5.51E-07	5.00E-07	2.24E-07	2.28E-07	1.03E-08	2.49E-07	5.50E-08	7.49E-08	1.19E-07	2.05E-08	1.50E-08	5.44E-07
258	487999.44	3856789.39	9.12E-04	9.30E-04	9.29E-04	3.16E-07	9.53E-07	5.52E-07	5.63E-07	5.10E-07	2.28E-07	2.33E-07	1.05E-08	2.55E-07	5.62E-08	7.64E-08	1.21E-07	2.09E-08	1.53E-08	5.55E-07
259	488049.44	3856789.39	9.10E-04	9.28E-04	9.27E-04	3.15E-07	9.51E-07	5.50E-07	5.62E-07	5.09E-07	2.28E-07	2.32E-07	1.05E-08	2.54E-07	5.60E-08	7.63E-08	1.21E-07	2.09E-08	1.53E-08	5.54E-07
260	488099.44	3856789.39	9.09E-04	9.27E-04	9.26E-04	3.15E-07	9.50E-07	5.50E-07	5.61E-07	5.09E-07	2.27E-07	2.32E-07	1.05E-08	2.54E-07	5.60E-08	7.62E-08	1.21E-07	2.09E-08	1.53E-08	5.53E-07
261	488149.44	3856789.39	9.06E-04	9.24E-04	9.23E-04	3.13E-07	9.46E-07	5.48E-07	5.59E-07	5.07E-07	2.27E-07	2.31E-07	1.05E-08	2.53E-07	5.58E-08	7.59E-08	1.20E-07	2.08E-08	1.52E-08	5.51E-07
262	488199.44	3856789.39	9.04E-04	9.22E-04	9.21E-04	3.13E-07	9.45E-07	5.47E-07	5.58E-07	5.06E-07	2.26E-07	2.31E-07	1.04E-08	2.52E-07	5.57E-08	7.58E-08	1.20E-07	2.08E-08	1.52E-08	5.50E-07
263	488249.44	3856789.39	9.01E-04	9.19E-04	9.18E-04	3.12E-07	9.42E-07	5.45E-07	5.56E-07	5.04E-07	2.26E-07	2.30E-07	1.04E-08	2.52E-07	5.55E-08	7.55E-08	1.20E-07	2.07E-08	1.52E-08	5.49E-07
264	488299.44	3856789.39	8.97E-04	9.16E-04	9.14E-04	3.11E-07	9.38E-07	5.43E-07	5.54E-07	5.02E-07	2.25E-07	2.29E-07	1.04E-08	2.51E-07	5.53E-08	7.52E-08	1.19E-07	2.06E-08	1.51E-08	5.46E-07
265	488349.44	3856789.39	8.98E-04	9.16E-04	9.15E-04	3.11E-07	9.39E-07	5.43E-07	5.55E-07	5.03E-07	2.25E-07	2.29E-07	1.04E-08	2.51E-07	5.53E-08	7.53E-08	1.19E-07	2.06E-08	1.51E-08	5.47E-07
266	488399.44	3856789.39	8.98E-04	9.16E-04	9.15E-04	3.11E-07	9.38E-07	5.43E-07	5.54E-07	5.02E-07	2.25E-07	2.29E-07	1.04E-08	2.51E-07	5.53E-08	7.52E-08	1.19E-07	2.06E-08	1.51E-08	5.47E-07
267	487949.44	3856839.39	9.18E-04	9.36E-04	9.35E-04	3.18E-07	9.59E-07	5.55E-07	5.67E-07	5.14E-07	2.30E-07	2.34E-07	1.06E-08	2.56E-07	5.65E-08	7.69E-08	1.22E-07	2.11E-08	1.54E-08	5.59E-07
268	487999.44	3856839.39	9.17E-04	9.36E-04	9.35E-04	3.17E-07	9.58E-07	5.55E-07	5.66E-07	5.13E-07	2.29E-07	2.34E-07	1.06E-08	2.56E-07	5.65E-08	7.69E-08	1.22E-07	2.11E-08	1.54E-08	5.58E-07
269	488049.44	3856839.39	9.15E-04	9.34E-04	9.33E-04	3.17E-07	9.56E-07	5.54E-07	5.65E-07	5.12E-07	2.29E-07	2.33E-07	1.06E-08	2.55E-07	5.64E-08	7.67E-08	1.22E-07	2.10E-08	1.54E-08	5.57E-07
270	488099.44	3856839.39	9.13E-04	9.32E-04	9.31E-04	3.16E-07	9.55E-07	5.53E-07	5.64E-07	5.11E-07	2.29E-07	2.33E-07	1.06E-08	2.55E-07	5.63E-08	7.66E-08	1.21E-07	2.10E-08	1.54E-08	5.56E-07
271	488149.44	3856839.39	9.12E-04	9.31E-04	9.30E-04	3.16E-07	9.53E-07	5.52E-07	5.63E-07	5.10E-07	2.28E-07	2.33E-07	1.05E-08	2.55E-07	5.62E-08	7.65E-08	1.21E-07	2.09E-08	1.53E-08	5.55E-07
272	488199.44	3856839.39	9.10E-04	9.29E-04	9.28E-04	3.15E-07	9.51E-07	5.51E-07	5.62E-07	5.09E-07	2.28E-07	2.32E-07	1.05E-08	2.54E-07	5.61E-08	7.63E-08	1.21E-07	2.09E-08	1.53E-08	5.54E-07
273	487949.44	3856889.39	9.21E-04	9.40E-04	9.39E-04	3.19E-07	9.63E-07	5.58E-07	5.69E-07	5.16E-07	2.31E-07	2.35E-07	1.07E-08	2.57E-07	5.68E-08	7.72E-08	1.23E-07	2.12E-08	1.55E-08	5.61E-07
274	487999.44	3856889.39	9.23E-04	9.42E-04	9.41E-04	3.20E-07	9.65E-07	5.59E-07	5.70E-07	5.17E-07	2.31E-07	2.35E-07	1.07E-08	2.58E-07	5.69E-08	7.74E-08	1.23E-07	2.12E-08	1.55E-08	5.62E-07
275	488049.44	3856889.39	9.20E-04	9.39E-04	9.38E-04	3.19E-07	9.62E-07	5.57E-07	5.68E-07	5.15E-07	2.30E-07	2.35E-07	1.06E-08	2.57E-07	5.67E-08	7.71E-08	1.22E-07	2.11E-08	1.55E-08	5.60E-07
276	488099.44	3856889.39	9.20E-04	9.39E-04	9.38E-04	3.19E-07	9.62E-07	5.57E-07	5.68E-07	5.15E-07	2.30E-07	2.35E-07	1.06E-08	2.57E-07	5.67E-08	7.71E-08	1.22E-07	2.11E-08	1.55E-08	5.60E-07
277	488635.86	3857895.05	1.35E-03	1.38E-03	1.38E-03	4.68E-07	1.41E-06	8.18E-07	8.35E-07	7.57E-07	3.38E-07	3.45E-07	1.56E-08	3.78E-07	8.33E-08	1.13E-07	1.80E-07	3.11E-08	2.28E-08	8.24E-07
278	489137.64	3857804.15	1.25E-03	1.28E-03	1.28E-03	4.34E-07	1.31E-06	7.58E-07	7.74E-07	7.02E-07	3.14E-07	3.20E-07	1.45E-08	3.50E-07	7.72E-08	1.05E-07	1.67E-07	2.88E-08	2.11E-08	7.63E-07

279	488617.32	3857859.41	1.32E-03	1.34E-03	1.34E-03	4.56E-07	1.38E-06	7.97E-07	8.13E-07	7.37E-07	3.30E-07	3.36E-07	1.52E-08	3.68E-07	8.12E-08	1.10E-07	1.75E-07	3.03E-08	2.22E-08	8.02E-07
280	488667.32	3857859.41	1.32E-03	1.35E-03	1.35E-03	4.57E-07	1.38E-06	7.99E-07	8.15E-07	7.39E-07	3.30E-07	3.37E-07	1.53E-08	3.69E-07	8.13E-08	1.11E-07	1.76E-07	3.03E-08	2.22E-08	8.04E-07
281	488717.32	3857859.41	1.33E-03	1.35E-03	1.35E-03	4.59E-07	1.39E-06	8.02E-07	8.19E-07	7.42E-07	3.32E-07	3.38E-07	1.53E-08	3.70E-07	8.17E-08	1.11E-07	1.76E-07	3.04E-08	2.23E-08	8.07E-07
282	488767.32	3857859.41	1.34E-03	1.36E-03	1.36E-03	4.63E-07	1.40E-06	8.09E-07	8.25E-07	7.48E-07	3.34E-07	3.41E-07	1.54E-08	3.73E-07	8.23E-08	1.12E-07	1.78E-07	3.07E-08	2.25E-08	8.14E-07
283	488617.32	3857909.41	1.37E-03	1.39E-03	1.39E-03	4.73E-07	1.43E-06	8.26E-07	8.43E-07	7.64E-07	3.42E-07	3.48E-07	1.58E-08	3.81E-07	8.41E-08	1.14E-07	1.82E-07	3.14E-08	2.30E-08	8.32E-07
284	488667.32	3857909.41	1.38E-03	1.41E-03	1.41E-03	4.78E-07	1.44E-06	8.35E-07	8.52E-07	7.73E-07	3.46E-07	3.52E-07	1.60E-08	3.85E-07	8.51E-08	1.16E-07	1.84E-07	3.17E-08	2.32E-08	8.41E-07
285	488717.32	3857909.41	1.37E-03	1.40E-03	1.40E-03	4.76E-07	1.44E-06	8.31E-07	8.48E-07	7.69E-07	3.44E-07	3.50E-07	1.59E-08	3.84E-07	8.46E-08	1.15E-07	1.83E-07	3.16E-08	2.31E-08	8.37E-07
286	488767.32	3857909.41	1.39E-03	1.42E-03	1.41E-03	4.80E-07	1.45E-06	8.39E-07	8.56E-07	7.76E-07	3.47E-07	3.54E-07	1.60E-08	3.87E-07	8.55E-08	1.16E-07	1.84E-07	3.19E-08	2.33E-08	8.45E-07
287	488417.32	3857959.41	1.41E-03	1.43E-03	1.43E-03	4.87E-07	1.47E-06	8.51E-07	8.68E-07	7.87E-07	3.52E-07	3.59E-07	1.63E-08	3.93E-07	8.66E-08	1.18E-07	1.87E-07	3.23E-08	2.37E-08	8.56E-07
288	488467.32	3857959.41	1.41E-03	1.44E-03	1.44E-03	4.88E-07	1.47E-06	8.54E-07	8.71E-07	7.90E-07	3.53E-07	3.60E-07	1.63E-08	3.94E-07	8.69E-08	1.18E-07	1.88E-07	3.24E-08	2.37E-08	8.59E-07
289	488517.32	3857959.41	1.42E-03	1.45E-03	1.44E-03	4.90E-07	1.48E-06	8.57E-07	8.75E-07	7.93E-07	3.54E-07	3.61E-07	1.64E-08	3.95E-07	8.73E-08	1.19E-07	1.88E-07	3.25E-08	2.38E-08	8.63E-07
290	488567.32	3857959.41	1.42E-03	1.45E-03	1.45E-03	4.92E-07	1.48E-06	8.59E-07	8.77E-07	7.95E-07	3.55E-07	3.62E-07	1.64E-08	3.97E-07	8.75E-08	1.19E-07	1.89E-07	3.26E-08	2.39E-08	8.65E-07
291	488617.32	3857959.41	1.42E-03	1.45E-03	1.45E-03	4.93E-07	1.49E-06	8.61E-07	8.79E-07	7.96E-07	3.56E-07	3.63E-07	1.64E-08	3.97E-07	8.77E-08	1.19E-07	1.89E-07	3.27E-08	2.39E-08	8.67E-07
292	488667.32	3857959.41	1.43E-03	1.46E-03	1.45E-03	4.94E-07	1.49E-06	8.64E-07	8.81E-07	7.99E-07	3.57E-07	3.64E-07	1.65E-08	3.99E-07	8.79E-08	1.20E-07	1.90E-07	3.28E-08	2.40E-08	8.69E-07
293	488717.32	3857959.41	1.43E-03	1.46E-03	1.46E-03	4.96E-07	1.50E-06	8.68E-07	8.85E-07	8.03E-07	3.59E-07	3.66E-07	1.66E-08	4.00E-07	8.84E-08	1.20E-07	1.91E-07	3.29E-08	2.41E-08	8.73E-07
294	488767.32	3857959.41	1.44E-03	1.47E-03	1.47E-03	4.98E-07	1.50E-06	8.71E-07	8.89E-07	8.06E-07	3.60E-07	3.67E-07	1.66E-08	4.02E-07	8.87E-08	1.21E-07	1.91E-07	3.31E-08	2.42E-08	8.77E-07
295	488417.32	3858009.41	1.46E-03	1.49E-03	1.49E-03	5.06E-07	1.53E-06	8.85E-07	9.03E-07	8.19E-07	3.66E-07	3.73E-07	1.69E-08	4.08E-07	9.01E-08	1.23E-07	1.95E-07	3.36E-08	2.46E-08	8.91E-07
296	488467.32	3858009.41	1.47E-03	1.50E-03	1.50E-03	5.09E-07	1.54E-06	8.90E-07	9.08E-07	8.23E-07	3.68E-07	3.75E-07	1.70E-08	4.11E-07	9.06E-08	1.23E-07	1.96E-07	3.38E-08	2.48E-08	8.96E-07
297	488517.32	3858009.41	1.47E-03	1.50E-03	1.50E-03	5.10E-07	1.54E-06	8.92E-07	9.10E-07	8.25E-07	3.69E-07	3.76E-07	1.70E-08	4.12E-07	9.08E-08	1.24E-07	1.96E-07	3.39E-08	2.48E-08	8.98E-07
298	488567.32	3858009.41	1.48E-03	1.51E-03	1.51E-03	5.12E-07	1.55E-06	8.94E-07	9.13E-07	8.27E-07	3.70E-07	3.77E-07	1.71E-08	4.13E-07	9.11E-08	1.24E-07	1.97E-07	3.40E-08	2.49E-08	9.00E-07
299	488617.32	3858009.41	1.48E-03	1.51E-03	1.51E-03	5.12E-07	1.55E-06	8.95E-07	9.14E-07	8.28E-07	3.70E-07	3.77E-07	1.71E-08	4.13E-07	9.12E-08	1.24E-07	1.97E-07	3.40E-08	2.49E-08	9.01E-07
300	488667.32	3858009.41	1.48E-03	1.51E-03	1.51E-03	5.13E-07	1.55E-06	8.97E-07	9.16E-07	8.30E-07	3.71E-07	3.78E-07	1.71E-08	4.14E-07	9.14E-08	1.24E-07	1.97E-07	3.41E-08	2.50E-08	9.03E-07
301	488717.32	3858009.41	1.49E-03	1.52E-03	1.52E-03	5.15E-07	1.56E-06	9.01E-07	9.19E-07	8.33E-07	3.73E-07	3.80E-07	1.72E-08	4.16E-07	9.17E-08	1.25E-07	1.98E-07	3.42E-08	2.51E-08	9.07E-07
302	488767.32	3858009.41	1.50E-03	1.53E-03	1.52E-03	5.18E-07	1.56E-06	9.05E-07	9.23E-07	8.37E-07	3.74E-07	3.81E-07	1.73E-08	4.17E-07	9.21E-08	1.25E-07	1.99E-07	3.43E-08	2.52E-08	9.11E-07
303	488417.32	3858059.41	1.53E-03	1.56E-03	1.56E-03	5.28E-07	1.60E-06	9.23E-07	9.42E-07	8.54E-07	3.82E-07	3.89E-07	1.76E-08	4.26E-07	9.40E-08	1.28E-07	2.03E-07	3.51E-08	2.57E-08	9.29E-07
304	488467.32	3858059.41	1.53E-03	1.57E-03	1.56E-03	5.31E-07	1.60E-06	9.28E-07	9.47E-07	8.59E-07	3.84E-07	3.91E-07	1.77E-08	4.28E-07	9.45E-08	1.29E-07	2.04E-07	3.52E-08	2.58E-08	9.34E-07
305	488517.32	3858059.41	1.54E-03	1.57E-03	1.57E-03	5.33E-07	1.61E-06	9.32E-07	9.51E-07	8.62E-07	3.85E-07	3.93E-07	1.78E-08	4.30E-07	9.49E-08	1.29E-07	2.05E-07	3.54E-08	2.59E-08	9.38E-07
306	488567.32	3858059.41	1.54E-03	1.57E-03	1.57E-03	5.34E-07	1.61E-06	9.33E-07	9.52E-07	8.63E-07	3.86E-07	3.93E-07	1.78E-08	4.31E-07	9.50E-08	1.29E-07	2.05E-07	3.54E-08	2.59E-08	9.39E-07
307	488617.32	3858059.41	1.55E-03	1.58E-03	1.58E-03	5.35E-07	1.62E-06	9.35E-07	9.54E-07	8.65E-07	3.87E-07	3.94E-07	1.79E-08	4.32E-07	9.52E-08	1.30E-07	2.06E-07	3.55E-08	2.60E-08	9.41E-07
308	488667.32	3858059.41	1.55E-03	1.58E-03	1.58E-03	5.36E-07	1.62E-06	9.37E-07	9.56E-07	8.67E-07	3.88E-07	3.95E-07	1.79E-08	4.32E-07	9.54E-08	1.30E-07	2.06E-07	3.56E-08	2.61E-08	9.43E-07
309	488417.32	3858109.41	1.59E-03	1.62E-03	1.62E-03	5.50E-07	1.66E-06	9.61E-07	9.80E-07	8.89E-07	3.97E-07	4.05E-07	1.84E-08	4.43E-07	9.78E-08	1.33E-07	2.11E-07	3.65E-08	2.67E-08	9.67E-07
310	488467.32	3858109.41	1.60E-03	1.63E-03	1.63E-03	5.54E-07	1.67E-06	9.68E-07	9.88E-07	8.96E-07	4.01E-07	4.08E-07	1.85E-08	4.47E-07	9.86E-08	1.34E-07	2.13E-07	3.68E-08	2.69E-08	9.75E-07
311	488517.32	3858109.41	1.61E-03	1.64E-03	1.64E-03	5.57E-07	1.68E-06	9.74E-07	9.94E-07	9.01E-07	4.03E-07	4.11E-07	1.86E-08	4.49E-07	9.92E-08	1.35E-07	2.14E-07	3.70E-08	2.71E-08	9.80E-07
312	488567.32	3858109.41	1.61E-03	1.65E-03	1.64E-03	5.58E-07	1.69E-06	9.76E-07	9.96E-07	9.03E-07	4.04E-07	4.11E-07	1.86E-08	4.50E-07	9.94E-08	1.35E-07	2.15E-07	3.70E-08	2.71E-08	9.82E-07
313	488617.32	3858109.41	1.62E-03	1.65E-03	1.65E-03	5.60E-07	1.69E-06	9.78E-07	9.98E-07	9.05E-07	4.05E-07	4.12E-07	1.87E-08	4.52E-07	9.96E-08	1.36E-07	2.15E-07	3.71E-08	2.72E-08	9.85E-07
314	488667.32	3858109.41	1.62E-03	1.65E-03	1.65E-03	5.61E-07	1.69E-06	9.80E-07	1.00E-06	9.06E-07	4.05E-07	4.13E-07	1.87E-08	4.52E-07	9.98E-08	1.36E-07	2.15E-07	3.72E-08	2.72E-08	9.86E-07
315	488769.93	3858449.27	2.50E-03	2.55E-03	2.55E-03	8.64E-07	2.61E-06	1.51E-06	1.54E-06	1.40E-06	6.25E-07	6.37E-07	2.89E-08	6.97E-07	1.54E-07	2.09E-07	3.32E-07	5.74E-08	4.20E-08	1.52E-06
316	488819.93	3858449.27	2.51E-03	2.56E-03	2.56E-03	8.70E-07	2.63E-06	1.52E-06	1.55E-06	1.41E-06	6.29E-07	6.41E-07	2.90E-08	7.02E-07	1.55E-07	2.11E-07	3.34E-07	5.77E-08	4.23E-08	1.53E-06
317	488819.93	3858499.27	2.75E-03	2.81E-03	2.81E-03	9.53E-07	2.88E-06	1.67E-06	1.70E-06	1.54E-06	6.89E-07	7.02E-07	3.18E-08	7.69E-07	1.70E-07	2.31E-07	3.66E-07	6.32E-08	4.63E-08	1.68E-06
318	488869.93	3858499.27	2.76E-03	2.82E-03	2.82E-03	9.56E-07	2.89E-06	1.67E-06	1.71E-06	1.55E-06	6.91E-07	7.05E-07	3.19E-08	7.71E-07	1.70E-07	2.32E-07	3.67E-07	6.34E-08	4.65E-08	1.68E-06
319	488869.93	3858549.27	3.06E-03	3.13E-03	3.12E-03	1.06E-06	3.20E-06	1.85E-06	1.89E-06	1.72E-06	7.67E-07	7.82E-07	3.54E-08	8.56E-07	1.89E-07	2.57E-07	4.07E-07	7.04E-08	5.16E-08	1.87E-06
320	489438.17	3859571.48	1.08E-02	1.11E-02	1.10E-02	3.75E-06	1.13E-05	6.56E-06	6.69E-06	6.07E-06	2.71E-06	2.76E-06	1.25E-07	3.03E-06	6.68E-07	9.09E-07	1.44E-06	2.49E-07	1.82E-07	6.60E-06
321	489488.17	3859571.48	1.18E-02	1.20E-02	1.20E-02	4.09E-06	1.23E-05	7.14E-06	7.29E-06	6.61E-06	2.95E-06	3.01E-06	1.36E-07	3.30E-06	7.27E-07	9.90E-07	1.57E-06	2.71E-07	1.99E-07	7.19E-06
322	489538.17	3859571.48	1.29E-02	1.32E-02	1.32E-02	4.47E-06	1.35E-05	7.82E-06	7.98E-06	7.23E-06	3.23E-06	3.30E-06	1.49E-07	3.61E-06	7.96E-07	1.08E-06	1.72E-06	2.97E-07	2.17E-07	7.87E-06
323	489588.17	3859571.48	1.42E-02	1.44E-02	1.44E-02	4.90E-06	1.48E-05	8.56E-06	8.74E-06	7.92E-06	3.54E-06	3.61E-06	1.64E-07	3.95E-06	8.72E-07	1.19E-06	1.88E-06	3.25E-07	2.38E-07	8.62E-06
324	489438.17	3859621.48	9.53E-03	9.73E-03	9.71E-03	3.30E-06	9.96E-06	5.77E-06	5.88E-06	5.33E-06	2.39E-06	2.43E-06	1.10E-07	2.66E-06	5.87E-07	7.99E-07	1.27E-06	2.19E-07	1.60E-07	5.80E-06
325	489488.17	3859621.48	1.03E-02	1.05E-02	1.05E-02	3.55E-06	1.07E-05	6.21E-06	6.34E-06	5.75E-06	2.57E-06	2.62E-06	1.19E-07	2.87E-06	6.33E-07	8.61E-07	1.37E-06	2.36E-07	1.73E-07	6.25E-06
326	489538.17	3859621.48	1.11E-02	1.14E-02	1.13E-02	3.85E-06	1.16E-05	6.73E-06	6.87E-06	6.23E-06	2.78E-06	2.84E-06	1.29E-07	3.11E-06	6.85E-07	9.33E-07	1.48E-06	2.56E-07	1.87E-07	6.77E-06
327	489588.17	3859621.48	1.22E-02	1.24E-02	1.24E-02	4.21E-06	1.27E-05	7.36E-06	7.51E-06	6.81E-06	3.04E-06	3.10E-06	1.41E-07	3.40E-06	7.49E-07	1.02E-06	1.62E-06	2.79E-07	2.05E-07	7.41E-06
328	489238.17	3859671.48	6.63E-03	6.77E-03	6.76E-03	2.30E-06	6.93E-06	4.01E-06	4.10E-06	3.71E-06	1.66E-06	1.69E-06	7.67E-08	1.85E-06	4.09E-07	5.56E-07	8.82E-07	1.52E-07	1.12E-07	4.04E-06
329	489288.17	3859671.48	7.02E-03	7.16E-03	7.15E-03	2.43E-06	7.34E-06	4.25E-06	4.33E-06	3.93E-06	1.76E-06	1.79E-06	8.11E-08	1.96E-06	4.33E-07	5.88E-07	9.34E-07	1.61E-07	1.18E-07	4.28E-06
330	489338.17	3859671.48	7.47E-03	7.62E-03	7.61E-03	2.59E-06	7.81E-06	4.52E-06	4.61E-06	4.18E-06	1.87E-06	1.91E-06	8.63E-08	2.09E-06	4.60E-07	6.26E-07	9.93E-07	1.72E-07	1.26E-07	4.55E-06
331	489388.17	3859671.48	8.00E-03	8.16E-03	8.15E-03	2.77E-06	8.36E-06	4.84E-06	4.94E-06	4.47E-06	2.00E-06	2.04E-06	9.24E-08	2.23E-06	4.93E-07	6.70E-07	1.06E-06	1.84E-07	1.35E-07	4.87E-06
332	489438.17	3859671.48	8.52E-03	8.69E-03	8.68E-03	2.95E-06	8.90E-06	5.15E-06	5.26E-06	4.77E-06	2.13E-06	2.17E-06	9.85E-08	2.38E-06	5.25E-07	7.14E-07	1.13E-06	1.96E-07	1.43E-07	5.19E-06
333	489488.17	3859671.48	9.17E-03	9.35E-03	9.34E-03	3.17E-06	9.58E-06	5.55E-06	5.66E-06	5.13E-06	2.29E-06	2.34E-06	1.06E-07	2.56E-06	5.65E-07	7.69E-07	1.22E-06	2.11E-07	1.54E-07	5.58E-06
334	489538.17	3859671.48	9.86E-03	1.01E-02	1.01E-02	3.41E-06	1.03E-05	5.97E-06	6.09E-06	5.52E-06	2.47E-06	2.52E-06	1.14E-07	2.75E-06	6.08E-07	8.27E-07	1.31E-06	2.27E-07	1.66E-07	6.01E-06
335	489588.17	3859671.48	1.07E-02	1.09E-02	1.09E-02	3.69E-06	1.11E-05	6.45E-06	6.58E-06	5.97E-06	2.67E-06	2.72E-06	1.23E-07	2.98E-06	6.57E-07	8.94E-07	1.42E-06	2.45E-07	1.79E-07	6.49E-06

336	489238.17	3859721.48	6.13E-03	6.25E-03	6.25E-03	2.12E-06	6.41E-06	3.71E-06	3.78E-06	3.43E-06	1.53E-06	1.56E-06	7.09E-08	1.71E-06	3.78E-07	5.14E-07	8.15E-07	1.41E-07	1.03E-07	3.73E-06
337	489288.17	3859721.48	6.50E-03	6.63E-03	6.62E-03	2.25E-06	6.79E-06	3.93E-06	4.01E-06	3.64E-06	1.63E-06	1.66E-06	7.51E-08	1.81E-06	4.00E-07	5.45E-07	8.64E-07	1.49E-07	1.09E-07	3.96E-06
338	489338.17	3859721.48	6.87E-03	7.01E-03	7.01E-03	2.38E-06	7.18E-06	4.16E-06	4.24E-06	3.85E-06	1.72E-06	1.75E-06	7.94E-08	1.92E-06	4.23E-07	5.76E-07	9.14E-07	1.58E-07	1.16E-07	4.19E-06
339	489388.17	3859721.48	7.28E-03	7.43E-03	7.42E-03	2.52E-06	7.61E-06	4.41E-06	4.50E-06	4.08E-06	1.82E-06	1.86E-06	8.42E-08	2.03E-06	4.49E-07	6.10E-07	9.68E-07	1.67E-07	1.23E-07	4.43E-06
340	489438.17	3859721.48	7.72E-03	7.88E-03	7.87E-03	2.67E-06	8.07E-06	4.67E-06	4.77E-06	4.32E-06	1.93E-06	1.97E-06	8.92E-08	2.16E-06	4.76E-07	6.47E-07	1.03E-06	1.77E-07	1.30E-07	4.70E-06
341	489488.17	3859721.48	8.26E-03	8.43E-03	8.42E-03	2.86E-06	8.64E-06	5.00E-06	5.10E-06	4.63E-06	2.07E-06	2.11E-06	9.55E-08	2.31E-06	5.09E-07	6.93E-07	1.10E-06	1.90E-07	1.39E-07	5.03E-06
342	489538.17	3859721.48	8.84E-03	9.02E-03	9.01E-03	3.06E-06	9.24E-06	5.35E-06	5.46E-06	4.95E-06	2.21E-06	2.25E-06	1.02E-07	2.47E-06	5.45E-07	7.41E-07	1.18E-06	2.03E-07	1.49E-07	5.38E-06
343	489588.17	3859721.48	9.48E-03	9.67E-03	9.66E-03	3.28E-06	9.90E-06	5.73E-06	5.85E-06	5.30E-06	2.37E-06	2.42E-06	1.10E-07	2.65E-06	5.84E-07	7.94E-07	1.26E-06	2.18E-07	1.59E-07	5.77E-06
344	489238.17	3859771.48	5.70E-03	5.82E-03	5.81E-03	1.97E-06	5.96E-06	3.45E-06	3.52E-06	3.19E-06	1.43E-06	1.45E-06	6.59E-08	1.59E-06	3.51E-07	4.78E-07	7.58E-07	1.31E-07	9.60E-08	3.47E-06
345	489288.17	3859771.48	6.02E-03	6.14E-03	6.14E-03	2.08E-06	6.29E-06	3.64E-06	3.72E-06	3.37E-06	1.51E-06	1.54E-06	6.96E-08	1.68E-06	3.71E-07	5.05E-07	8.01E-07	1.38E-07	1.01E-07	3.67E-06
346	489338.17	3859771.48	6.33E-03	6.46E-03	6.45E-03	2.19E-06	6.62E-06	3.83E-06	3.91E-06	3.54E-06	1.58E-06	1.61E-06	7.32E-08	1.77E-06	3.90E-07	5.31E-07	8.42E-07	1.45E-07	1.06E-07	3.85E-06
347	489388.17	3859771.48	6.68E-03	6.82E-03	6.81E-03	2.31E-06	6.99E-06	4.04E-06	4.13E-06	3.74E-06	1.67E-06	1.70E-06	7.73E-08	1.87E-06	4.12E-07	5.60E-07	8.89E-07	1.54E-07	1.12E-07	4.07E-06
348	489438.17	3859771.48	7.05E-03	7.19E-03	7.18E-03	2.44E-06	7.37E-06	4.27E-06	4.35E-06	3.95E-06	1.76E-06	1.80E-06	8.15E-08	1.97E-06	4.34E-07	5.91E-07	9.37E-07	1.62E-07	1.19E-07	4.29E-06
349	489488.17	3859771.48	7.52E-03	7.67E-03	7.67E-03	2.60E-06	7.86E-06	4.55E-06	4.64E-06	4.21E-06	1.88E-06	1.92E-06	8.69E-08	2.10E-06	4.63E-07	6.30E-07	1.00E-06	1.73E-07	1.27E-07	4.58E-06
350	489538.17	3859771.48	8.01E-03	8.17E-03	8.16E-03	2.77E-06	8.37E-06	4.85E-06	4.95E-06	4.48E-06	2.00E-06	2.04E-06	9.26E-08	2.24E-06	4.93E-07	6.71E-07	1.07E-06	1.84E-07	1.35E-07	4.88E-06
351	489588.17	3859771.48	8.51E-03	8.69E-03	8.68E-03	2.95E-06	8.90E-06	5.15E-06	5.26E-06	4.76E-06	2.13E-06	2.17E-06	9.84E-08	2.38E-06	5.24E-07	7.14E-07	1.13E-06	1.95E-07	1.43E-07	5.18E-06
352	489238.17	3859821.48	5.32E-03	5.43E-03	5.42E-03	1.84E-06	5.56E-06	3.22E-06	3.29E-06	2.98E-06	1.33E-06	1.36E-06	6.15E-08	1.49E-06	3.28E-07	4.46E-07	7.08E-07	1.22E-07	8.95E-08	3.24E-06
353	489288.17	3859821.48	5.60E-03	5.72E-03	5.71E-03	1.94E-06	5.86E-06	3.39E-06	3.46E-06	3.14E-06	1.40E-06	1.43E-06	6.48E-08	1.56E-06	3.45E-07	4.70E-07	7.45E-07	1.29E-07	9.43E-08	3.41E-06
354	489338.17	3859821.48	5.88E-03	6.00E-03	5.99E-03	2.03E-06	6.14E-06	3.56E-06	3.63E-06	3.29E-06	1.47E-06	1.50E-06	6.79E-08	1.64E-06	3.62E-07	4.93E-07	7.81E-07	1.35E-07	9.89E-08	3.58E-06
355	489388.17	3859821.48	6.18E-03	6.30E-03	6.30E-03	2.14E-06	6.46E-06	3.74E-06	3.81E-06	3.46E-06	1.55E-06	1.58E-06	7.14E-08	1.73E-06	3.81E-07	5.18E-07	8.22E-07	1.42E-07	1.04E-07	3.76E-06
356	489438.17	3859821.48	6.53E-03	6.67E-03	6.66E-03	2.26E-06	6.83E-06	3.95E-06	4.03E-06	3.66E-06	1.63E-06	1.67E-06	7.55E-08	1.82E-06	4.02E-07	5.48E-07	8.69E-07	1.50E-07	1.10E-07	3.98E-06
357	489488.17	3859821.48	6.91E-03	7.05E-03	7.04E-03	2.39E-06	7.22E-06	4.18E-06	4.26E-06	3.87E-06	1.73E-06	1.76E-06	7.98E-08	1.93E-06	4.26E-07	5.79E-07	9.19E-07	1.59E-07	1.16E-07	4.21E-06
358	489538.17	3859821.48	7.31E-03	7.46E-03	7.45E-03	2.53E-06	7.64E-06	4.42E-06	4.51E-06	4.09E-06	1.83E-06	1.86E-06	8.45E-08	2.04E-06	4.50E-07	6.13E-07	9.72E-07	1.68E-07	1.23E-07	4.45E-06
359	489588.17	3859821.48	7.72E-03	7.88E-03	7.87E-03	2.67E-06	8.07E-06	4.67E-06	4.77E-06	4.32E-06	1.93E-06	1.97E-06	8.93E-08	2.16E-06	4.76E-07	6.47E-07	1.03E-06	1.77E-07	1.30E-07	4.70E-06
360	489238.17	3859871.48	5.00E-03	5.10E-03	5.09E-03	1.73E-06	5.22E-06	3.02E-06	3.08E-06	2.80E-06	1.25E-06	1.27E-06	5.77E-08	1.39E-06	3.08E-07	4.19E-07	6.64E-07	1.15E-07	8.40E-08	3.04E-06
361	489288.17	3859871.48	5.23E-03	5.34E-03	5.33E-03	1.81E-06	5.46E-06	3.16E-06	3.23E-06	2.93E-06	1.31E-06	1.33E-06	6.04E-08	1.46E-06	3.22E-07	4.38E-07	6.95E-07	1.20E-07	8.80E-08	3.18E-06
362	489338.17	3859871.48	5.48E-03	5.59E-03	5.58E-03	1.90E-06	5.73E-06	3.31E-06	3.38E-06	3.07E-06	1.37E-06	1.40E-06	6.33E-08	1.53E-06	3.37E-07	4.59E-07	7.28E-07	1.26E-07	9.22E-08	3.34E-06
363	489388.17	3859871.48	5.76E-03	5.88E-03	5.87E-03	1.99E-06	6.02E-06	3.48E-06	3.56E-06	3.22E-06	1.44E-06	1.47E-06	6.66E-08	1.61E-06	3.55E-07	4.83E-07	7.66E-07	1.32E-07	9.69E-08	3.51E-06
364	489438.17	3859871.48	6.07E-03	6.20E-03	6.19E-03	2.10E-06	6.35E-06	3.67E-06	3.75E-06	3.40E-06	1.52E-06	1.55E-06	7.02E-08	1.70E-06	3.74E-07	5.09E-07	8.08E-07	1.39E-07	1.02E-07	3.70E-06
365	489488.17	3859871.48	6.39E-03	6.52E-03	6.51E-03	2.21E-06	6.68E-06	3.87E-06	3.94E-06	3.58E-06	1.60E-06	1.63E-06	7.38E-08	1.78E-06	3.94E-07	5.35E-07	8.49E-07	1.47E-07	1.07E-07	3.89E-06
366	489538.17	3859871.48	6.71E-03	6.84E-03	6.83E-03	2.32E-06	7.01E-06	4.06E-06	4.14E-06	3.75E-06	1.68E-06	1.71E-06	7.75E-08	1.87E-06	4.13E-07	5.62E-07	8.92E-07	1.54E-07	1.13E-07	4.08E-06
367	489588.17	3859871.48	7.05E-03	7.19E-03	7.18E-03	2.44E-06	7.37E-06	4.26E-06	4.35E-06	3.94E-06	1.76E-06	1.80E-06	8.15E-08	1.97E-06	4.34E-07	5.91E-07	9.37E-07	1.62E-07	1.19E-07	4.29E-06
368	489238.17	3859921.48	4.71E-03	4.81E-03	4.81E-03	1.63E-06	4.93E-06	2.85E-06	2.91E-06	2.64E-06	1.18E-06	1.20E-06	5.45E-08	1.32E-06	2.91E-07	3.95E-07	6.27E-07	1.08E-07	7.93E-08	2.87E-06
369	489288.17	3859921.48	4.94E-03	5.04E-03	5.03E-03	1.71E-06	5.16E-06	2.99E-06	3.05E-06	2.76E-06	1.24E-06	1.26E-06	5.71E-08	1.38E-06	3.04E-07	4.14E-07	6.56E-07	1.13E-07	8.31E-08	3.01E-06
370	489338.17	3859921.48	5.16E-03	5.26E-03	5.26E-03	1.78E-06	5.39E-06	3.12E-06	3.18E-06	2.89E-06	1.29E-06	1.32E-06	5.96E-08	1.44E-06	3.18E-07	4.32E-07	6.86E-07	1.18E-07	8.68E-08	3.14E-06
371	489388.17	3859921.48	5.40E-03	5.51E-03	5.51E-03	1.87E-06	5.65E-06	3.27E-06	3.34E-06	3.02E-06	1.35E-06	1.38E-06	6.24E-08	1.51E-06	3.33E-07	4.53E-07	7.18E-07	1.24E-07	9.09E-08	3.29E-06
372	489438.17	3859921.48	5.66E-03	5.77E-03	5.77E-03	1.96E-06	5.91E-06	3.42E-06	3.49E-06	3.17E-06	1.42E-06	1.44E-06	6.54E-08	1.58E-06	3.49E-07	4.74E-07	7.52E-07	1.30E-07	9.52E-08	3.44E-06
373	489488.17	3859921.48	5.91E-03	6.03E-03	6.02E-03	2.04E-06	6.17E-06	3.57E-06	3.65E-06	3.31E-06	1.48E-06	1.51E-06	6.83E-08	1.65E-06	3.64E-07	4.95E-07	7.85E-07	1.36E-07	9.94E-08	3.60E-06
374	489538.17	3859921.48	6.17E-03	6.30E-03	6.29E-03	2.14E-06	6.45E-06	3.73E-06	3.81E-06	3.45E-06	1.54E-06	1.57E-06	7.13E-08	1.72E-06	3.80E-07	5.17E-07	8.20E-07	1.42E-07	1.04E-07	3.76E-06
375	489588.17	3859921.48	6.43E-03	6.56E-03	6.55E-03	2.22E-06	6.72E-06	3.89E-06	3.97E-06	3.60E-06	1.61E-06	1.64E-06	7.43E-08	1.79E-06	3.96E-07	5.39E-07	8.55E-07	1.48E-07	1.08E-07	3.91E-06
376	489238.17	3859971.48	4.46E-03	4.56E-03	4.55E-03	1.55E-06	4.67E-06	2.70E-06	2.76E-06	2.50E-06	1.12E-06	1.14E-06	5.16E-08	1.25E-06	2.75E-07	3.74E-07	5.94E-07	1.03E-07	7.51E-08	2.72E-06
377	489288.17	3859971.48	4.65E-03	4.75E-03	4.74E-03	1.61E-06	4.86E-06	2.81E-06	2.87E-06	2.60E-06	1.16E-06	1.19E-06	5.38E-08	1.30E-06	2.87E-07	3.90E-07	6.18E-07	1.07E-07	7.82E-08	2.83E-06
378	489338.17	3859971.48	4.85E-03	4.95E-03	4.95E-03	1.68E-06	5.07E-06	2.94E-06	3.00E-06	2.72E-06	1.21E-06	1.24E-06	5.61E-08	1.36E-06	2.99E-07	4.07E-07	6.45E-07	1.11E-07	8.17E-08	2.96E-06
379	489388.17	3859971.48	5.07E-03	5.17E-03	5.16E-03	1.75E-06	5.30E-06	3.07E-06	3.13E-06	2.84E-06	1.27E-06	1.29E-06	5.86E-08	1.41E-06	3.12E-07	4.25E-07	6.74E-07	1.16E-07	8.52E-08	3.09E-06
380	489438.17	3859971.48	5.25E-03	5.36E-03	5.35E-03	1.82E-06	5.49E-06	3.18E-06	3.24E-06	2.94E-06	1.31E-06	1.34E-06	6.07E-08	1.47E-06	3.23E-07	4.40E-07	6.98E-07	1.21E-07	8.83E-08	3.20E-06
381	489488.17	3859971.48	5.31E-03	5.42E-03	5.42E-03	1.84E-06	5.55E-06	3.21E-06	3.28E-06	2.97E-06	1.33E-06	1.36E-06	6.14E-08	1.48E-06	3.27E-07	4.45E-07	7.07E-07	1.22E-07	8.94E-08	3.24E-06
382	489538.17	3859971.48	5.40E-03	5.51E-03	5.50E-03	1.87E-06	5.64E-06	3.26E-06	3.33E-06	3.02E-06	1.35E-06	1.38E-06	6.24E-08	1.51E-06	3.32E-07	4.52E-07	7.18E-07	1.24E-07	9.08E-08	3.29E-06
383	489588.17	3859971.48	5.47E-03	5.58E-03	5.58E-03	1.89E-06	5.72E-06	3.31E-06	3.38E-06	3.06E-06	1.37E-06	1.40E-06	6.33E-08	1.53E-06	3.37E-07	4.59E-07	7.28E-07	1.26E-07	9.21E-08	3.33E-06
384	483577.7	3854071	2.72E-03	2.77E-03	2.77E-03	9.41E-07	2.84E-06	1.64E-06	1.68E-06	1.52E-06	6.80E-07	6.93E-07	3.14E-08	7.59E-07	1.67E-07	2.28E-07	3.61E-07	6.24E-08	4.57E-08	1.66E-06
385	483627.7	3854071	2.71E-03	2.76E-03	2.76E-03	9.37E-07	2.83E-06	1.64E-06	1.67E-06	1.51E-06	6.77E-07	6.90E-07	3.13E-08	7.56E-07	1.67E-07	2.27E-07	3.60E-07	6.21E-08	4.55E-08	1.65E-06
386	483677.7	3854071	2.69E-03	2.74E-03	2.74E-03	9.30E-07	2.81E-06	1.63E-06	1.66E-06	1.50E-06	6.73E-07	6.85E-07	3.11E-08	7.50E-07	1.66E-07	2.25E-07	3.57E-07	6.17E-08	4.52E-08	1.64E-06
387	483727.7	3854071	2.67E-03	2.72E-03	2.72E-03	9.23E-07	2.79E-06	1.61E-06	1.65E-06	1.49E-06	6.67E-07	6.80E-07	3.08E-08	7.45E-07	1.64E-07	2.24E-07	3.55E-07	6.12E-08	4.49E-08	1.62E-06
388	483777.7	3854071	2.63E-03	2.68E-03	2.68E-03	9.09E-07	2.74E-06	1.59E-06	1.62E-06	1.47E-06	6.57E-07	6.70E-07	3.04E-08	7.33E-07	1.62E-07	2.20E-07	3.49E-07	6.03E-08	4.42E-08	1.60E-06
389	483577.7	3854121	2.57E-03	2.62E-03	2.62E-03	8.90E-07	2.69E-06	1.56E-06	1.59E-06	1.44E-06	6.44E-07	6.56E-07	2.97E-08	7.18E-07	1.58E-07	2.16E-07	3.42E-07	5.91E-08	4.33E-08	1.57E-06
390	483627.7	3854121	2.55E-03	2.60E-03	2.60E-03	8.83E-07	2.67E-06	1.54E-06	1.58E-06	1.43E-06	6.39E-07	6.51E-07	2.95E-08	7.13E-07	1.57E-07	2.14E-07	3.39E-07	5.86E-08	4.29E-08	1.55E-06
391	483677.7	3854121	2.52E-03	2.57E-03	2.57E-03	8.73E-07	2.64E-06	1.53E-06	1.56E-06	1.41E-06	6.31E-07	6.43E-07	2.91E-08	7.04E-07	1.55E-07	2.11E-07	3.35E-07	5.79E-08	4.24E-08	1.54E-06
392	483727.7	3854121	2.49E-03	2.54E-03	2.53E-03	8.61E-07	2.60E-06	1.50E-06	1.54E-06	1.39E-06	6.22E-07	6.34E-07	2.87E-08	6.94E-07	1.53E-07	2.08E-07	3.31E-07	5.71E-08	4.18E-08	1.51E-06

393	483777.7	3854121	2.46E-03	2.51E-03	2.51E-03	8.53E-07	2.58E-06	1.49E-06	1.52E-06	1.38E-06	6.17E-07	6.29E-07	2.85E-08	6.88E-07	1.52E-07	2.07E-07	3.28E-07	5.66E-08	4.15E-08	1.50E-06
394	483577.7	3854171	2.42E-03	2.47E-03	2.46E-03	8.37E-07	2.53E-06	1.46E-06	1.49E-06	1.35E-06	6.05E-07	6.16E-07	2.79E-08	6.75E-07	1.49E-07	2.03E-07	3.21E-07	5.55E-08	4.07E-08	1.47E-06
395	483627.7	3854171	2.38E-03	2.43E-03	2.43E-03	8.25E-07	2.49E-06	1.44E-06	1.47E-06	1.33E-06	5.97E-07	6.08E-07	2.76E-08	6.66E-07	1.47E-07	2.00E-07	3.17E-07	5.47E-08	4.01E-08	1.45E-06
396	483677.7	3854171	2.36E-03	2.41E-03	2.40E-03	8.16E-07	2.47E-06	1.43E-06	1.46E-06	1.32E-06	5.90E-07	6.02E-07	2.73E-08	6.59E-07	1.45E-07	1.98E-07	3.14E-07	5.42E-08	3.97E-08	1.44E-06
397	483727.7	3854171	2.34E-03	2.39E-03	2.38E-03	8.10E-07	2.45E-06	1.42E-06	1.44E-06	1.31E-06	5.85E-07	5.97E-07	2.70E-08	6.53E-07	1.44E-07	1.96E-07	3.11E-07	5.37E-08	3.94E-08	1.42E-06
398	483777.7	3854171	2.32E-03	2.36E-03	2.36E-03	8.01E-07	2.42E-06	1.40E-06	1.43E-06	1.30E-06	5.79E-07	5.91E-07	2.68E-08	6.46E-07	1.43E-07	1.94E-07	3.08E-07	5.32E-08	3.90E-08	1.41E-06
399	483827.7	3854171	2.27E-03	2.32E-03	2.31E-03	7.86E-07	2.37E-06	1.37E-06	1.40E-06	1.27E-06	5.68E-07	5.79E-07	2.62E-08	6.34E-07	1.40E-07	1.90E-07	3.02E-07	5.21E-08	3.82E-08	1.38E-06
400	483877.7	3854171	2.24E-03	2.29E-03	2.29E-03	7.77E-07	2.35E-06	1.36E-06	1.39E-06	1.26E-06	5.62E-07	5.72E-07	2.59E-08	6.27E-07	1.38E-07	1.88E-07	2.98E-07	5.15E-08	3.78E-08	1.37E-06
401	483727.7	3854221	2.21E-03	2.25E-03	2.25E-03	7.65E-07	2.31E-06	1.34E-06	1.36E-06	1.24E-06	5.53E-07	5.64E-07	2.55E-08	6.17E-07	1.36E-07	1.85E-07	2.94E-07	5.07E-08	3.72E-08	1.35E-06
402	483777.7	3854221	2.18E-03	2.23E-03	2.23E-03	7.56E-07	2.28E-06	1.32E-06	1.35E-06	1.22E-06	5.46E-07	5.57E-07	2.52E-08	6.10E-07	1.35E-07	1.83E-07	2.90E-07	5.01E-08	3.67E-08	1.33E-06
403	483827.7	3854221	2.18E-03	2.23E-03	2.23E-03	7.56E-07	2.28E-06	1.32E-06	1.35E-06	1.22E-06	5.46E-07	5.57E-07	2.52E-08	6.10E-07	1.35E-07	1.83E-07	2.90E-07	5.01E-08	3.67E-08	1.33E-06
404	483877.7	3854221	2.15E-03	2.19E-03	2.19E-03	7.44E-07	2.25E-06	1.30E-06	1.33E-06	1.20E-06	5.38E-07	5.48E-07	2.48E-08	6.00E-07	1.32E-07	1.80E-07	2.86E-07	4.94E-08	3.62E-08	1.31E-06
405	489150.19	3858726.45	5.68E-03	5.80E-03	5.79E-03	1.97E-06	5.94E-06	3.44E-06	3.51E-06	3.18E-06	1.42E-06	1.45E-06	6.57E-08	1.59E-06	3.50E-07	4.76E-07	7.55E-07	1.30E-07	9.56E-08	3.46E-06
406	489200.19	3858726.45	5.84E-03	5.96E-03	5.95E-03	2.02E-06	6.10E-06	3.53E-06	3.60E-06	3.27E-06	1.46E-06	1.49E-06	6.75E-08	1.63E-06	3.60E-07	4.89E-07	7.76E-07	1.34E-07	9.82E-08	3.55E-06
407	489150.19	3858776.45	7.97E-03	8.13E-03	8.12E-03	2.76E-06	8.33E-06	4.82E-06	4.92E-06	4.46E-06	1.99E-06	2.03E-06	9.21E-08	2.23E-06	4.91E-07	6.68E-07	1.06E-06	1.83E-07	1.34E-07	4.85E-06
408	489200.19	3858776.45	8.11E-03	8.28E-03	8.27E-03	2.81E-06	8.48E-06	4.91E-06	5.01E-06	4.54E-06	2.03E-06	2.07E-06	9.38E-08	2.27E-06	5.00E-07	6.80E-07	1.08E-06	1.86E-07	1.37E-07	4.94E-06
409	488919.6	3856400.76	9.14E-04	9.33E-04	9.32E-04	3.17E-07	9.56E-07	5.53E-07	5.65E-07	5.12E-07	2.29E-07	2.33E-07	1.06E-08	2.55E-07	5.63E-08	7.66E-08	1.22E-07	2.10E-08	1.54E-08	5.57E-07
410	488919.6	3856450.76	9.09E-04	9.27E-04	9.26E-04	3.15E-07	9.50E-07	5.50E-07	5.61E-07	5.09E-07	2.27E-07	2.32E-07	1.05E-08	2.54E-07	5.60E-08	7.62E-08	1.21E-07	2.09E-08	1.53E-08	5.53E-07
411	488969.6	3856450.76	9.09E-04	9.28E-04	9.27E-04	3.15E-07	9.50E-07	5.50E-07	5.61E-07	5.09E-07	2.28E-07	2.32E-07	1.05E-08	2.54E-07	5.60E-08	7.62E-08	1.21E-07	2.09E-08	1.53E-08	5.54E-07
412	488919.6	3856500.76	9.04E-04	9.22E-04	9.21E-04	3.13E-07	9.45E-07	5.47E-07	5.58E-07	5.06E-07	2.26E-07	2.31E-07	1.04E-08	2.52E-07	5.57E-08	7.58E-08	1.20E-07	2.08E-08	1.52E-08	5.50E-07
413	488969.6	3856500.76	9.05E-04	9.23E-04	9.22E-04	3.13E-07	9.46E-07	5.48E-07	5.59E-07	5.06E-07	2.26E-07	2.31E-07	1.05E-08	2.53E-07	5.58E-08	7.59E-08	1.20E-07	2.08E-08	1.52E-08	5.51E-07
414	488919.6	3856550.76	9.00E-04	9.19E-04	9.18E-04	3.12E-07	9.41E-07	5.45E-07	5.56E-07	5.04E-07	2.25E-07	2.30E-07	1.04E-08	2.51E-07	5.55E-08	7.55E-08	1.20E-07	2.07E-08	1.52E-08	5.48E-07
415	488969.6	3856550.76	9.01E-04	9.19E-04	9.18E-04	3.12E-07	9.42E-07	5.45E-07	5.56E-07	5.04E-07	2.25E-07	2.30E-07	1.04E-08	2.52E-07	5.55E-08	7.55E-08	1.20E-07	2.07E-08	1.52E-08	5.49E-07
416	488819.6	3856600.76	8.95E-04	9.13E-04	9.12E-04	3.10E-07	9.35E-07	5.41E-07	5.52E-07	5.01E-07	2.24E-07	2.28E-07	1.03E-08	2.50E-07	5.51E-08	7.50E-08	1.19E-07	2.05E-08	1.51E-08	5.45E-07
417	488869.6	3856600.76	8.95E-04	9.14E-04	9.13E-04	3.10E-07	9.36E-07	5.42E-07	5.53E-07	5.01E-07	2.24E-07	2.28E-07	1.04E-08	2.50E-07	5.52E-08	7.51E-08	1.19E-07	2.06E-08	1.51E-08	5.45E-07
418	488919.6	3856600.76	8.97E-04	9.15E-04	9.14E-04	3.10E-07	9.37E-07	5.43E-07	5.54E-07	5.02E-07	2.24E-07	2.29E-07	1.04E-08	2.50E-07	5.52E-08	7.52E-08	1.19E-07	2.06E-08	1.51E-08	5.46E-07
419	488819.6	3856650.76	8.92E-04	9.10E-04	9.09E-04	3.09E-07	9.32E-07	5.40E-07	5.51E-07	4.99E-07	2.23E-07	2.28E-07	1.03E-08	2.49E-07	5.50E-08	7.48E-08	1.19E-07	2.05E-08	1.50E-08	5.43E-07
420	488869.6	3856650.76	8.93E-04	9.11E-04	9.10E-04	3.09E-07	9.33E-07	5.40E-07	5.51E-07	5.00E-07	2.23E-07	2.28E-07	1.03E-08	2.49E-07	5.50E-08	7.48E-08	1.19E-07	2.05E-08	1.50E-08	5.44E-07
421	488819.6	3856700.76	8.91E-04	9.09E-04	9.08E-04	3.08E-07	9.31E-07	5.39E-07	5.50E-07	4.99E-07	2.23E-07	2.27E-07	1.03E-08	2.49E-07	5.49E-08	7.47E-08	1.18E-07	2.05E-08	1.50E-08	5.43E-07
422	488869.6	3856700.76	8.92E-04	9.10E-04	9.09E-04	3.09E-07	9.32E-07	5.40E-07	5.51E-07	4.99E-07	2.23E-07	2.27E-07	1.03E-08	2.49E-07	5.49E-08	7.47E-08	1.19E-07	2.05E-08	1.50E-08	5.43E-07
423	488819.6	3856750.76	8.90E-04	9.09E-04	9.08E-04	3.08E-07	9.31E-07	5.39E-07	5.50E-07	4.98E-07	2.23E-07	2.27E-07	1.03E-08	2.49E-07	5.49E-08	7.46E-08	1.18E-07	2.05E-08	1.50E-08	5.42E-07
424	488869.6	3856750.76	8.92E-04	9.10E-04	9.09E-04	3.09E-07	9.32E-07	5.40E-07	5.51E-07	4.99E-07	2.23E-07	2.27E-07	1.03E-08	2.49E-07	5.49E-08	7.47E-08	1.19E-07	2.05E-08	1.50E-08	5.43E-07
425	488819.6	3857050.76	9.21E-04	9.39E-04	9.38E-04	3.19E-07	9.62E-07	5.57E-07	5.68E-07	5.15E-07	2.30E-07	2.35E-07	1.06E-08	2.57E-07	5.67E-08	7.72E-08	1.22E-07	2.11E-08	1.55E-08	5.61E-07
426	488869.6	3857050.76	9.19E-04	9.38E-04	9.37E-04	3.18E-07	9.61E-07	5.56E-07	5.67E-07	5.14E-07	2.30E-07	2.34E-07	1.06E-08	2.57E-07	5.66E-08	7.70E-08	1.22E-07	2.11E-08	1.55E-08	5.60E-07
427	488919.6	3857050.76	9.17E-04	9.36E-04	9.35E-04	3.18E-07	9.59E-07	5.55E-07	5.66E-07	5.13E-07	2.30E-07	2.34E-07	1.06E-08	2.56E-07	5.65E-08	7.69E-08	1.22E-07	2.11E-08	1.54E-08	5.59E-07
428	488819.6	3857100.76	9.32E-04	9.51E-04	9.50E-04	3.23E-07	9.74E-07	5.64E-07	5.75E-07	5.21E-07	2.33E-07	2.38E-07	1.08E-08	2.60E-07	5.74E-08	7.81E-08	1.24E-07	2.14E-08	1.57E-08	5.67E-07
429	488869.6	3857100.76	9.29E-04	9.48E-04	9.47E-04	3.22E-07	9.71E-07	5.62E-07	5.73E-07	5.20E-07	2.32E-07	2.37E-07	1.07E-08	2.59E-07	5.72E-08	7.79E-08	1.24E-07	2.13E-08	1.56E-08	5.66E-07
430	488919.6	3857100.76	9.27E-04	9.46E-04	9.45E-04	3.21E-07	9.69E-07	5.61E-07	5.73E-07	5.19E-07	2.32E-07	2.37E-07	1.07E-08	2.59E-07	5.71E-08	7.77E-08	1.23E-07	2.13E-08	1.56E-08	5.65E-07
431	488819.6	3857150.76	9.45E-04	9.64E-04	9.63E-04	3.27E-07	9.87E-07	5.72E-07	5.83E-07	5.29E-07	2.36E-07	2.41E-07	1.09E-08	2.64E-07	5.82E-08	7.92E-08	1.26E-07	2.17E-08	1.59E-08	5.75E-07
432	488869.6	3857150.76	9.42E-04	9.61E-04	9.60E-04	3.26E-07	9.84E-07	5.70E-07	5.81E-07	5.27E-07	2.36E-07	2.40E-07	1.09E-08	2.63E-07	5.80E-08	7.89E-08	1.25E-07	2.16E-08	1.58E-08	5.74E-07
433	488919.6	3857150.76	9.39E-04	9.58E-04	9.57E-04	3.25E-07	9.81E-07	5.68E-07	5.79E-07	5.25E-07	2.35E-07	2.39E-07	1.08E-08	2.62E-07	5.78E-08	7.87E-08	1.25E-07	2.16E-08	1.58E-08	5.72E-07
434	488969.6	3857150.76	9.36E-04	9.55E-04	9.54E-04	3.24E-07	9.78E-07	5.66E-07	5.78E-07	5.24E-07	2.34E-07	2.39E-07	1.08E-08	2.61E-07	5.77E-08	7.85E-08	1.24E-07	2.15E-08	1.57E-08	5.70E-07
435	488819.6	3857200.76	9.60E-04	9.80E-04	9.78E-04	3.32E-07	1.00E-06	5.81E-07	5.93E-07	5.37E-07	2.40E-07	2.45E-07	1.11E-08	2.68E-07	5.91E-08	8.05E-08	1.28E-07	2.20E-08	1.62E-08	5.85E-07
436	488869.6	3857200.76	9.57E-04	9.76E-04	9.75E-04	3.31E-07	1.00E-06	5.79E-07	5.91E-07	5.35E-07	2.39E-07	2.44E-07	1.11E-08	2.67E-07	5.89E-08	8.02E-08	1.27E-07	2.20E-08	1.61E-08	5.83E-07
437	488919.6	3857200.76	9.53E-04	9.72E-04	9.71E-04	3.30E-07	9.96E-07	5.77E-07	5.88E-07	5.33E-07	2.38E-07	2.43E-07	1.10E-08	2.66E-07	5.87E-08	7.99E-08	1.27E-07	2.19E-08	1.60E-08	5.80E-07
438	488969.6	3857200.76	9.49E-04	9.68E-04	9.67E-04	3.28E-07	9.91E-07	5.74E-07	5.86E-07	5.31E-07	2.37E-07	2.42E-07	1.10E-08	2.65E-07	5.84E-08	7.95E-08	1.26E-07	2.18E-08	1.60E-08	5.78E-07
439	488819.6	3857250.76	9.76E-04	9.96E-04	9.95E-04	3.38E-07	1.02E-06	5.91E-07	6.03E-07	5.46E-07	2.44E-07	2.49E-07	1.13E-08	2.73E-07	6.01E-08	8.18E-08	1.30E-07	2.24E-08	1.64E-08	5.95E-07
440	488869.6	3857250.76	9.72E-04	9.92E-04	9.91E-04	3.37E-07	1.02E-06	5.88E-07	6.00E-07	5.44E-07	2.43E-07	2.48E-07	1.12E-08	2.72E-07	5.99E-08	8.15E-08	1.29E-07	2.23E-08	1.64E-08	5.92E-07
441	488919.6	3857250.76	9.68E-04	9.88E-04	9.87E-04	3.35E-07	1.01E-06	5.86E-07	5.98E-07	5.42E-07	2.42E-07	2.47E-07	1.12E-08	2.70E-07	5.97E-08	8.12E-08	1.29E-07	2.22E-08	1.63E-08	5.90E-07
442	488969.6	3857250.76	9.64E-04	9.84E-04	9.82E-04	3.34E-07	1.01E-06	5.83E-07	5.95E-07	5.39E-07	2.41E-07	2.46E-07	1.11E-08	2.69E-07	5.94E-08	8.08E-08	1.28E-07	2.21E-08	1.62E-08	5.87E-07
443	488819.6	3857300.76	9.95E-04	1.02E-03	1.01E-03	3.45E-07	1.04E-06	6.02E-07	6.15E-07	5.57E-07	2.49E-07	2.54E-07	1.15E-08	2.78E-07	6.13E-08	8.34E-08	1.32E-07	2.29E-08	1.67E-08	6.06E-07
444	488869.6	3857300.76	9.91E-04	1.01E-03	1.01E-03	3.43E-07	1.04E-06	6.00E-07	6.12E-07	5.55E-07	2.48E-07	2.53E-07	1.15E-08	2.77E-07	6.11E-08	8.31E-08	1.32E-07	2.28E-08	1.67E-08	6.03E-07
445	488919.6	3857300.76	9.87E-04	1.01E-03	1.01E-03	3.42E-07	1.03E-06	5.97E-07	6.09E-07	5.52E-07	2.47E-07	2.52E-07	1.14E-08	2.76E-07	6.08E-08	8.27E-08	1.31E-07	2.27E-08	1.66E-08	6.01E-07
446	488819.6	3857450.76	1.06E-03	1.08E-03	1.08E-03	3.67E-07	1.11E-06	6.42E-07	6.55E-07	5.94E-07	2.66E-07	2.71E-07	1.23E-08	2.96E-07	6.54E-08	8.90E-08	1.41E-07	2.44E-08	1.79E-08	6.46E-07
447	488869.6	3857450.76	1.06E-03	1.08E-03	1.08E-03	3.66E-07	1.10E-06	6.40E-07	6.53E-07	5.92E-07	2.65E-07	2.70E-07	1.22E-08	2.95E-07	6.51E-08	8.86E-08	1.41E-07	2.43E-08	1.78E-08	6.44E-07
448	488919.6	3857450.76	1.05E-03	1.08E-03	1.07E-03	3.65E-07	1.10E-06	6.38E-07	6.51E-07	5.90E-07	2.64E-07	2.69E-07	1.22E-08	2.94E-07	6.49E-08	8.83E-08	1.40E-07	2.42E-08	1.77E-08	6.42E-07
449	488819.6	3857500.76	1.09E-03	1.11E-03	1.11E-03	3.76E-07	1.13E-06	6.57E-07	6.70E-07	6.08E-07	2.72E-07	2.77E-07	1.25E-08	3.03E-07	6.69E-08	9.10E-08	1.44E-07	2.49E-08	1.83E-08	6.61E-07

450	488869.6	3857500.76	1.08E-03	1.11E-03	1.10E-03	3.75E-07	1.13E-06	6.55E-07	6.69E-07	6.06E-07	2.71E-07	2.76E-07	1.25E-08	3.02E-07	6.67E-08	9.08E-08	1.44E-07	2.49E-08	1.82E-08	6.60E-07
451	488919.6	3857500.76	1.08E-03	1.10E-03	1.10E-03	3.74E-07	1.13E-06	6.53E-07	6.67E-07	6.04E-07	2.70E-07	2.75E-07	1.25E-08	3.02E-07	6.65E-08	9.05E-08	1.44E-07	2.48E-08	1.82E-08	6.58E-07
452	488819.6	3857550.76	1.11E-03	1.14E-03	1.13E-03	3.85E-07	1.16E-06	6.73E-07	6.87E-07	6.23E-07	2.78E-07	2.84E-07	1.29E-08	3.11E-07	6.85E-08	9.32E-08	1.48E-07	2.55E-08	1.87E-08	6.77E-07
453	488869.6	3857550.76	1.11E-03	1.13E-03	1.13E-03	3.84E-07	1.16E-06	6.72E-07	6.86E-07	6.21E-07	2.78E-07	2.83E-07	1.28E-08	3.10E-07	6.84E-08	9.31E-08	1.48E-07	2.55E-08	1.87E-08	6.76E-07
454	488919.6	3857550.76	1.11E-03	1.13E-03	1.13E-03	3.84E-07	1.16E-06	6.70E-07	6.84E-07	6.20E-07	2.77E-07	2.83E-07	1.28E-08	3.09E-07	6.83E-08	9.29E-08	1.47E-07	2.54E-08	1.86E-08	6.75E-07
455	489663.71	3860900.05	2.20E-03	2.25E-03	2.25E-03	7.63E-07	2.30E-06	1.33E-06	1.36E-06	1.23E-06	5.52E-07	5.62E-07	2.55E-08	6.15E-07	1.36E-07	1.85E-07	2.93E-07	5.06E-08	3.71E-08	1.34E-06
456	489813.71	3860900.05	2.32E-03	2.37E-03	2.37E-03	8.03E-07	2.43E-06	1.40E-06	1.43E-06	1.30E-06	5.81E-07	5.92E-07	2.68E-08	6.48E-07	1.43E-07	1.95E-07	3.09E-07	5.33E-08	3.90E-08	1.41E-06
457	489863.71	3860900.05	2.35E-03	2.40E-03	2.40E-03	8.15E-07	2.46E-06	1.42E-06	1.45E-06	1.32E-06	5.89E-07	6.01E-07	2.72E-08	6.57E-07	1.45E-07	1.97E-07	3.13E-07	5.41E-08	3.96E-08	1.43E-06
458	489913.71	3860900.05	2.40E-03	2.45E-03	2.45E-03	8.32E-07	2.51E-06	1.46E-06	1.48E-06	1.35E-06	6.02E-07	6.13E-07	2.78E-08	6.71E-07	1.48E-07	2.02E-07	3.20E-07	5.52E-08	4.05E-08	1.46E-06
459	489963.71	3860900.05	2.44E-03	2.49E-03	2.49E-03	8.45E-07	2.55E-06	1.48E-06	1.51E-06	1.37E-06	6.11E-07	6.23E-07	2.82E-08	6.82E-07	1.50E-07	2.05E-07	3.25E-07	5.61E-08	4.11E-08	1.49E-06
460	490013.71	3860900.05	2.50E-03	2.55E-03	2.54E-03	8.64E-07	2.61E-06	1.51E-06	1.54E-06	1.40E-06	6.25E-07	6.37E-07	2.89E-08	6.97E-07	1.54E-07	2.09E-07	3.32E-07	5.73E-08	4.20E-08	1.52E-06
461	490063.71	3860900.05	2.55E-03	2.60E-03	2.59E-03	8.81E-07	2.66E-06	1.54E-06	1.57E-06	1.42E-06	6.37E-07	6.49E-07	2.94E-08	7.11E-07	1.57E-07	2.13E-07	3.39E-07	5.85E-08	4.28E-08	1.55E-06
462	489663.71	3860950.05	2.12E-03	2.17E-03	2.16E-03	7.35E-07	2.22E-06	1.28E-06	1.31E-06	1.19E-06	5.31E-07	5.41E-07	2.45E-08	5.93E-07	1.31E-07	1.78E-07	2.82E-07	4.88E-08	3.57E-08	1.29E-06
463	489813.71	3860950.05	2.23E-03	2.27E-03	2.27E-03	7.72E-07	2.33E-06	1.35E-06	1.38E-06	1.25E-06	5.58E-07	5.69E-07	2.58E-08	6.22E-07	1.37E-07	1.87E-07	2.96E-07	5.12E-08	3.75E-08	1.36E-06
464	489863.71	3860950.05	2.26E-03	2.30E-03	2.30E-03	7.82E-07	2.36E-06	1.37E-06	1.39E-06	1.26E-06	5.65E-07	5.76E-07	2.61E-08	6.30E-07	1.39E-07	1.89E-07	3.00E-07	5.19E-08	3.80E-08	1.38E-06
465	489913.71	3860950.05	2.30E-03	2.35E-03	2.34E-03	7.96E-07	2.40E-06	1.39E-06	1.42E-06	1.29E-06	5.76E-07	5.87E-07	2.66E-08	6.42E-07	1.42E-07	1.93E-07	3.06E-07	5.28E-08	3.87E-08	1.40E-06
466	489963.71	3860950.05	2.34E-03	2.38E-03	2.38E-03	8.09E-07	2.44E-06	1.41E-06	1.44E-06	1.31E-06	5.85E-07	5.96E-07	2.70E-08	6.52E-07	1.44E-07	1.96E-07	3.11E-07	5.37E-08	3.93E-08	1.42E-06
467	490013.71	3860950.05	2.38E-03	2.43E-03	2.43E-03	8.24E-07	2.49E-06	1.44E-06	1.47E-06	1.33E-06	5.96E-07	6.07E-07	2.75E-08	6.65E-07	1.47E-07	2.00E-07	3.16E-07	5.47E-08	4.00E-08	1.45E-06
468	490063.71	3860950.05	2.43E-03	2.48E-03	2.47E-03	8.40E-07	2.54E-06	1.47E-06	1.50E-06	1.36E-06	6.07E-07	6.19E-07	2.80E-08	6.77E-07	1.49E-07	2.03E-07	3.23E-07	5.57E-08	4.08E-08	1.48E-06
469	489513.71	3861000.05	1.96E-03	2.00E-03	2.00E-03	6.78E-07	2.05E-06	1.19E-06	1.21E-06	1.10E-06	4.90E-07	5.00E-07	2.27E-08	5.47E-07	1.21E-07	1.64E-07	2.61E-07	4.50E-08	3.30E-08	1.19E-06
470	489563.71	3861000.05	1.99E-03	2.03E-03	2.02E-03	6.88E-07	2.08E-06	1.20E-06	1.23E-06	1.11E-06	4.97E-07	5.07E-07	2.30E-08	5.55E-07	1.22E-07	1.67E-07	2.64E-07	4.56E-08	3.34E-08	1.21E-06
471	489613.71	3861000.05	2.02E-03	2.06E-03	2.06E-03	6.99E-07	2.11E-06	1.22E-06	1.25E-06	1.13E-06	5.05E-07	5.15E-07	2.33E-08	5.64E-07	1.24E-07	1.69E-07	2.68E-07	4.64E-08	3.40E-08	1.23E-06
472	489663.71	3861000.05	2.05E-03	2.09E-03	2.09E-03	7.09E-07	2.14E-06	1.24E-06	1.26E-06	1.15E-06	5.13E-07	5.23E-07	2.37E-08	5.72E-07	1.26E-07	1.72E-07	2.72E-07	4.71E-08	3.45E-08	1.25E-06
473	489713.71	3861000.05	2.08E-03	2.12E-03	2.12E-03	7.19E-07	2.17E-06	1.26E-06	1.28E-06	1.16E-06	5.20E-07	5.30E-07	2.40E-08	5.80E-07	1.28E-07	1.74E-07	2.76E-07	4.77E-08	3.49E-08	1.26E-06
474	489763.71	3861000.05	2.11E-03	2.15E-03	2.15E-03	7.29E-07	2.20E-06	1.27E-06	1.30E-06	1.18E-06	5.27E-07	5.37E-07	2.44E-08	5.88E-07	1.30E-07	1.77E-07	2.80E-07	4.84E-08	3.54E-08	1.28E-06
475	489813.71	3861000.05	2.15E-03	2.19E-03	2.19E-03	7.43E-07	2.24E-06	1.30E-06	1.33E-06	1.20E-06	5.37E-07	5.47E-07	2.48E-08	5.99E-07	1.32E-07	1.80E-07	2.85E-07	4.93E-08	3.61E-08	1.31E-06
476	489863.71	3861000.05	2.17E-03	2.22E-03	2.21E-03	7.52E-07	2.27E-06	1.31E-06	1.34E-06	1.22E-06	5.43E-07	5.54E-07	2.51E-08	6.06E-07	1.34E-07	1.82E-07	2.89E-07	4.99E-08	3.65E-08	1.32E-06
477	489913.71	3861000.05	2.21E-03	2.25E-03	2.25E-03	7.65E-07	2.31E-06	1.34E-06	1.36E-06	1.24E-06	5.53E-07	5.64E-07	2.55E-08	6.17E-07	1.36E-07	1.85E-07	2.94E-07	5.07E-08	3.72E-08	1.35E-06
478	489963.71	3861000.05	2.24E-03	2.28E-03	2.28E-03	7.75E-07	2.34E-06	1.35E-06	1.38E-06	1.25E-06	5.60E-07	5.71E-07	2.59E-08	6.25E-07	1.38E-07	1.88E-07	2.98E-07	5.14E-08	3.77E-08	1.36E-06
479	490013.71	3861000.05	2.28E-03	2.32E-03	2.32E-03	7.88E-07	2.38E-06	1.38E-06	1.41E-06	1.27E-06	5.70E-07	5.81E-07	2.63E-08	6.36E-07	1.40E-07	1.91E-07	3.03E-07	5.23E-08	3.83E-08	1.39E-06
480	490063.71	3861000.05	2.32E-03	2.36E-03	2.36E-03	8.02E-07	2.42E-06	1.40E-06	1.43E-06	1.30E-06	5.80E-07	5.91E-07	2.68E-08	6.47E-07	1.43E-07	1.94E-07	3.08E-07	5.32E-08	3.90E-08	1.41E-06
481	489513.71	3861050.05	1.90E-03	1.94E-03	1.94E-03	6.57E-07	1.98E-06	1.15E-06	1.17E-06	1.06E-06	4.75E-07	4.84E-07	2.20E-08	5.30E-07	1.17E-07	1.59E-07	2.53E-07	4.36E-08	3.20E-08	1.16E-06
482	489563.71	3861050.05	1.92E-03	1.96E-03	1.96E-03	6.66E-07	2.01E-06	1.16E-06	1.19E-06	1.08E-06	4.81E-07	4.91E-07	2.22E-08	5.37E-07	1.18E-07	1.61E-07	2.56E-07	4.42E-08	3.24E-08	1.17E-06
483	489613.71	3861050.05	1.96E-03	2.00E-03	1.99E-03	6.77E-07	2.05E-06	1.18E-06	1.21E-06	1.10E-06	4.90E-07	4.99E-07	2.26E-08	5.46E-07	1.21E-07	1.64E-07	2.60E-07	4.49E-08	3.29E-08	1.19E-06
484	489663.71	3861050.05	1.98E-03	2.02E-03	2.02E-03	6.85E-07	2.07E-06	1.20E-06	1.22E-06	1.11E-06	4.95E-07	5.05E-07	2.29E-08	5.52E-07	1.22E-07	1.66E-07	2.63E-07	4.54E-08	3.33E-08	1.20E-06
485	489713.71	3861050.05	2.00E-03	2.04E-03	2.04E-03	6.93E-07	2.09E-06	1.21E-06	1.24E-06	1.12E-06	5.01E-07	5.11E-07	2.31E-08	5.59E-07	1.23E-07	1.68E-07	2.66E-07	4.60E-08	3.37E-08	1.22E-06
486	489763.71	3861050.05	2.03E-03	2.07E-03	2.07E-03	7.03E-07	2.12E-06	1.23E-06	1.25E-06	1.14E-06	5.08E-07	5.18E-07	2.35E-08	5.67E-07	1.25E-07	1.70E-07	2.70E-07	4.66E-08	3.42E-08	1.24E-06
487	489813.71	3861050.05	2.06E-03	2.10E-03	2.10E-03	7.14E-07	2.16E-06	1.25E-06	1.27E-06	1.15E-06	5.16E-07	5.26E-07	2.38E-08	5.76E-07	1.27E-07	1.73E-07	2.74E-07	4.74E-08	3.47E-08	1.26E-06
488	489863.71	3861050.05	2.09E-03	2.13E-03	2.13E-03	7.23E-07	2.18E-06	1.26E-06	1.29E-06	1.17E-06	5.23E-07	5.33E-07	2.42E-08	5.83E-07	1.29E-07	1.75E-07	2.78E-07	4.80E-08	3.52E-08	1.27E-06
489	489913.71	3861050.05	2.12E-03	2.16E-03	2.16E-03	7.34E-07	2.22E-06	1.28E-06	1.31E-06	1.19E-06	5.30E-07	5.41E-07	2.45E-08	5.92E-07	1.31E-07	1.78E-07	2.82E-07	4.87E-08	3.57E-08	1.29E-06
490	489963.71	3861050.05	2.15E-03	2.19E-03	2.19E-03	7.44E-07	2.25E-06	1.30E-06	1.33E-06	1.20E-06	5.38E-07	5.48E-07	2.48E-08	6.00E-07	1.32E-07	1.80E-07	2.86E-07	4.94E-08	3.62E-08	1.31E-06
491	490013.71	3861050.05	2.19E-03	2.23E-03	2.23E-03	7.57E-07	2.29E-06	1.32E-06	1.35E-06	1.22E-06	5.47E-07	5.58E-07	2.53E-08	6.10E-07	1.35E-07	1.83E-07	2.91E-07	5.02E-08	3.68E-08	1.33E-06
492	490063.71	3861050.05	2.22E-03	2.26E-03	2.26E-03	7.68E-07	2.32E-06	1.34E-06	1.37E-06	1.24E-06	5.55E-07	5.66E-07	2.56E-08	6.19E-07	1.37E-07	1.86E-07	2.95E-07	5.10E-08	3.73E-08	1.35E-06
493	489513.71	3861100.05	1.85E-03	1.88E-03	1.88E-03	6.39E-07	1.93E-06	1.12E-06	1.14E-06	1.03E-06	4.62E-07	4.71E-07	2.13E-08	5.16E-07	1.14E-07	1.55E-07	2.46E-07	4.24E-08	3.11E-08	1.12E-06
494	489563.71	3861100.05	1.86E-03	1.90E-03	1.90E-03	6.44E-07	1.95E-06	1.13E-06	1.15E-06	1.04E-06	4.66E-07	4.75E-07	2.15E-08	5.20E-07	1.15E-07	1.56E-07	2.48E-07	4.28E-08	3.13E-08	1.13E-06
495	489613.71	3861100.05	1.88E-03	1.91E-03	1.91E-03	6.49E-07	1.96E-06	1.14E-06	1.16E-06	1.05E-06	4.70E-07	4.79E-07	2.17E-08	5.24E-07	1.16E-07	1.57E-07	2.49E-07	4.31E-08	3.16E-08	1.14E-06
496	489663.71	3861100.05	1.90E-03	1.94E-03	1.94E-03	6.58E-07	1.99E-06	1.15E-06	1.17E-06	1.06E-06	4.76E-07	4.85E-07	2.20E-08	5.31E-07	1.17E-07	1.59E-07	2.53E-07	4.37E-08	3.20E-08	1.16E-06
497	489713.71	3861100.05	1.93E-03	1.97E-03	1.97E-03	6.67E-07	2.02E-06	1.17E-06	1.19E-06	1.08E-06	4.83E-07	4.92E-07	2.23E-08	5.38E-07	1.19E-07	1.62E-07	2.56E-07	4.43E-08	3.24E-08	1.17E-06
498	489763.71	3861100.05	1.95E-03	1.99E-03	1.99E-03	6.76E-07	2.04E-06	1.18E-06	1.21E-06	1.09E-06	4.89E-07	4.98E-07	2.26E-08	5.46E-07	1.20E-07	1.64E-07	2.60E-07	4.49E-08	3.29E-08	1.19E-06
499	489813.71	3861100.05	1.98E-03	2.02E-03	2.02E-03	6.86E-07	2.07E-06	1.20E-06	1.22E-06	1.11E-06	4.96E-07	5.06E-07	2.29E-08	5.54E-07	1.22E-07	1.66E-07	2.64E-07	4.55E-08	3.34E-08	1.21E-06
500	489863.71	3861100.05	2.02E-03	2.06E-03	2.05E-03	6.98E-07	2.11E-06	1.22E-06	1.24E-06	1.13E-06	5.04E-07	5.14E-07	2.33E-08	5.63E-07	1.24E-07	1.69E-07	2.68E-07	4.63E-08	3.39E-08	1.23E-06
501	489913.71	3861100.05	2.04E-03	2.08E-03	2.08E-03	7.05E-07	2.13E-06	1.23E-06	1.26E-06	1.14E-06	5.10E-07	5.20E-07	2.35E-08	5.69E-07	1.25E-07	1.71E-07	2.71E-07	4.68E-08	3.43E-08	1.24E-06
502	489963.71	3861100.05	2.06E-03	2.11E-03	2.10E-03	7.15E-07	2.16E-06	1.25E-06	1.27E-06	1.16E-06	5.17E-07	5.27E-07	2.39E-08	5.76E-07	1.27E-07	1.73E-07	2.74E-07	4.74E-08	3.47E-08	1.26E-06
503	490013.71	3861100.05	2.09E-03	2.13E-03	2.13E-03	7.23E-07	2.18E-06	1.26E-06	1.29E-06	1.17E-06	5.23E-07	5.33E-07	2.41E-08	5.83E-07	1.29E-07	1.75E-07	2.78E-07	4.80E-08	3.51E-08	1.27E-06
504	490063.71	3861100.05	2.12E-03	2.16E-03	2.16E-03	7.33E-07	2.21E-06	1.28E-06	1.31E-06	1.19E-06	5.30E-07	5.40E-07	2.45E-08	5.92E-07	1.31E-07	1.78E-07	2.82E-07	4.87E-08	3.56E-08	1.29E-06
505	489713.71	3861150.05	1.86E-03	1.90E-03	1.89E-03	6.44E-07	1.94E-06	1.12E-06	1.15E-06	1.04E-06	4.65E-07	4.74E-07	2.15E-08	5.19E-07	1.15E-07	1.56E-07	2.47E-07	4.27E-08	3.13E-08	1.13E-06
506	489763.71	3861150.05	1.88E-03	1.92E-03	1.92E-03	6.52E-07	1.97E-06	1.14E-06	1.16E-06	1.05E-06	4.72E-07	4.81E-07	2.18E-08	5.26E-07	1.16E-07	1.58E-07	2.51E-07	4.33E-08	3.17E-08	1.15E-06

507	489813.71	3861150.05	1.91E-03	1.95E-03	1.95E-03	6.61E-07	2.00E-06	1.16E-06	1.18E-06	1.07E-06	4.78E-07	4.87E-07	2.21E-08	5.33E-07	1.18E-07	1.60E-07	2.54E-07	4.39E-08	3.21E-08	1.16E-06
508	489863.71	3861150.05	1.93E-03	1.97E-03	1.97E-03	6.70E-07	2.02E-06	1.17E-06	1.19E-06	1.08E-06	4.84E-07	4.93E-07	2.24E-08	5.40E-07	1.19E-07	1.62E-07	2.57E-07	4.44E-08	3.25E-08	1.18E-06
509	489913.71	3861150.05	1.96E-03	2.00E-03	1.99E-03	6.77E-07	2.05E-06	1.18E-06	1.21E-06	1.10E-06	4.90E-07	4.99E-07	2.26E-08	5.46E-07	1.21E-07	1.64E-07	2.60E-07	4.49E-08	3.29E-08	1.19E-06
510	489963.71	3861150.05	1.98E-03	2.02E-03	2.02E-03	6.85E-07	2.07E-06	1.20E-06	1.22E-06	1.11E-06	4.95E-07	5.05E-07	2.29E-08	5.52E-07	1.22E-07	1.66E-07	2.63E-07	4.54E-08	3.33E-08	1.20E-06
511	490013.71	3861150.05	2.00E-03	2.04E-03	2.04E-03	6.92E-07	2.09E-06	1.21E-06	1.24E-06	1.12E-06	5.01E-07	5.10E-07	2.31E-08	5.59E-07	1.23E-07	1.68E-07	2.66E-07	4.59E-08	3.37E-08	1.22E-06
512	490063.71	3861150.05	2.03E-03	2.07E-03	2.07E-03	7.02E-07	2.12E-06	1.23E-06	1.25E-06	1.14E-06	5.08E-07	5.18E-07	2.35E-08	5.67E-07	1.25E-07	1.70E-07	2.70E-07	4.66E-08	3.41E-08	1.24E-06
513	489613.71	3861200.05	1.75E-03	1.78E-03	1.78E-03	6.05E-07	1.83E-06	1.06E-06	1.08E-06	9.78E-07	4.37E-07	4.46E-07	2.02E-08	4.88E-07	1.08E-07	1.47E-07	2.32E-07	4.01E-08	2.94E-08	1.06E-06
514	489663.71	3861200.05	1.77E-03	1.81E-03	1.80E-03	6.13E-07	1.85E-06	1.07E-06	1.09E-06	9.91E-07	4.43E-07	4.52E-07	2.05E-08	4.94E-07	1.09E-07	1.48E-07	2.35E-07	4.07E-08	2.98E-08	1.08E-06
515	489713.71	3861200.05	1.79E-03	1.83E-03	1.83E-03	6.21E-07	1.88E-06	1.09E-06	1.11E-06	1.00E-06	4.49E-07	4.58E-07	2.07E-08	5.01E-07	1.11E-07	1.50E-07	2.39E-07	4.12E-08	3.02E-08	1.09E-06
516	489763.71	3861200.05	1.82E-03	1.85E-03	1.85E-03	6.29E-07	1.90E-06	1.10E-06	1.12E-06	1.02E-06	4.55E-07	4.63E-07	2.10E-08	5.07E-07	1.12E-07	1.52E-07	2.42E-07	4.17E-08	3.06E-08	1.11E-06
517	489813.71	3861200.05	1.84E-03	1.88E-03	1.88E-03	6.37E-07	1.92E-06	1.11E-06	1.14E-06	1.03E-06	4.61E-07	4.69E-07	2.13E-08	5.14E-07	1.13E-07	1.54E-07	2.45E-07	4.23E-08	3.10E-08	1.12E-06
518	489863.71	3861200.05	1.87E-03	1.90E-03	1.90E-03	6.46E-07	1.95E-06	1.13E-06	1.15E-06	1.04E-06	4.67E-07	4.76E-07	2.16E-08	5.21E-07	1.15E-07	1.56E-07	2.48E-07	4.28E-08	3.14E-08	1.14E-06
519	489913.71	3861200.05	1.88E-03	1.92E-03	1.92E-03	6.52E-07	1.97E-06	1.14E-06	1.16E-06	1.05E-06	4.72E-07	4.81E-07	2.18E-08	5.26E-07	1.16E-07	1.58E-07	2.51E-07	4.33E-08	3.17E-08	1.15E-06
520	489963.71	3861200.05	1.90E-03	1.94E-03	1.94E-03	6.59E-07	1.99E-06	1.15E-06	1.17E-06	1.06E-06	4.76E-07	4.85E-07	2.20E-08	5.31E-07	1.17E-07	1.59E-07	2.53E-07	4.37E-08	3.20E-08	1.16E-06
521	490013.71	3861200.05	1.92E-03	1.96E-03	1.96E-03	6.66E-07	2.01E-06	1.16E-06	1.19E-06	1.08E-06	4.82E-07	4.91E-07	2.22E-08	5.37E-07	1.19E-07	1.61E-07	2.56E-07	4.42E-08	3.24E-08	1.17E-06
522	490063.71	3861200.05	1.94E-03	1.98E-03	1.98E-03	6.73E-07	2.03E-06	1.18E-06	1.20E-06	1.09E-06	4.87E-07	4.96E-07	2.25E-08	5.43E-07	1.20E-07	1.63E-07	2.59E-07	4.47E-08	3.27E-08	1.18E-06
523	489513.71	3861250.05	1.65E-03	1.68E-03	1.68E-03	5.70E-07	1.72E-06	9.97E-07	1.02E-06	9.22E-07	4.12E-07	4.20E-07	1.90E-08	4.60E-07	1.01E-07	1.38E-07	2.19E-07	3.78E-08	2.77E-08	1.00E-06
524	489563.71	3861250.05	1.67E-03	1.70E-03	1.70E-03	5.78E-07	1.75E-06	1.01E-06	1.03E-06	9.35E-07	4.18E-07	4.26E-07	1.93E-08	4.66E-07	1.03E-07	1.40E-07	2.22E-07	3.84E-08	2.81E-08	1.02E-06
525	489613.71	3861250.05	1.69E-03	1.73E-03	1.72E-03	5.86E-07	1.77E-06	1.02E-06	1.04E-06	9.47E-07	4.24E-07	4.32E-07	1.96E-08	4.73E-07	1.04E-07	1.42E-07	2.25E-07	3.89E-08	2.85E-08	1.03E-06
526	489663.71	3861250.05	1.71E-03	1.75E-03	1.74E-03	5.92E-07	1.79E-06	1.04E-06	1.06E-06	9.58E-07	4.28E-07	4.37E-07	1.98E-08	4.78E-07	1.05E-07	1.43E-07	2.28E-07	3.93E-08	2.88E-08	1.04E-06
527	489713.71	3861250.05	1.73E-03	1.77E-03	1.77E-03	6.00E-07	1.81E-06	1.05E-06	1.07E-06	9.69E-07	4.33E-07	4.42E-07	2.00E-08	4.84E-07	1.07E-07	1.45E-07	2.30E-07	3.98E-08	2.91E-08	1.05E-06
528	489763.71	3861250.05	1.75E-03	1.79E-03	1.79E-03	6.07E-07	1.83E-06	1.06E-06	1.08E-06	9.81E-07	4.39E-07	4.47E-07	2.03E-08	4.89E-07	1.08E-07	1.47E-07	2.33E-07	4.03E-08	2.95E-08	1.07E-06
529	489813.71	3861250.05	1.77E-03	1.81E-03	1.81E-03	6.14E-07	1.85E-06	1.07E-06	1.10E-06	9.93E-07	4.44E-07	4.52E-07	2.05E-08	4.95E-07	1.09E-07	1.49E-07	2.36E-07	4.07E-08	2.98E-08	1.08E-06
530	489863.71	3861250.05	1.79E-03	1.83E-03	1.83E-03	6.21E-07	1.87E-06	1.09E-06	1.11E-06	1.00E-06	4.49E-07	4.58E-07	2.07E-08	5.01E-07	1.11E-07	1.50E-07	2.39E-07	4.12E-08	3.02E-08	1.09E-06
531	489913.71	3861250.05	1.82E-03	1.85E-03	1.85E-03	6.28E-07	1.90E-06	1.10E-06	1.12E-06	1.02E-06	4.54E-07	4.63E-07	2.10E-08	5.07E-07	1.12E-07	1.52E-07	2.41E-07	4.17E-08	3.05E-08	1.11E-06
532	489963.71	3861250.05	1.83E-03	1.87E-03	1.87E-03	6.35E-07	1.92E-06	1.11E-06	1.13E-06	1.03E-06	4.59E-07	4.68E-07	2.12E-08	5.12E-07	1.13E-07	1.54E-07	2.44E-07	4.21E-08	3.09E-08	1.12E-06
533	490013.71	3861250.05	1.85E-03	1.89E-03	1.89E-03	6.41E-07	1.94E-06	1.12E-06	1.14E-06	1.04E-06	4.63E-07	4.72E-07	2.14E-08	5.17E-07	1.14E-07	1.55E-07	2.46E-07	4.25E-08	3.12E-08	1.13E-06
534	490063.71	3861250.05	1.87E-03	1.90E-03	1.90E-03	6.46E-07	1.95E-06	1.13E-06	1.15E-06	1.04E-06	4.67E-07	4.76E-07	2.16E-08	5.21E-07	1.15E-07	1.56E-07	2.48E-07	4.29E-08	3.14E-08	1.14E-06
535	489528.13	3861308.47	1.59E-03	1.62E-03	1.62E-03	5.51E-07	1.66E-06	9.63E-07	9.82E-07	8.90E-07	3.98E-07	4.06E-07	1.84E-08	4.44E-07	9.80E-08	1.33E-07	2.12E-07	3.65E-08	2.68E-08	9.69E-07
536	489578.13	3861308.47	1.61E-03	1.64E-03	1.64E-03	5.58E-07	1.68E-06	9.75E-07	9.94E-07	9.01E-07	4.03E-07	4.11E-07	1.86E-08	4.50E-07	9.92E-08	1.35E-07	2.14E-07	3.70E-08	2.71E-08	9.81E-07
537	489628.13	3861308.47	1.63E-03	1.66E-03	1.66E-03	5.64E-07	1.70E-06	9.86E-07	1.01E-06	9.12E-07	4.08E-07	4.16E-07	1.88E-08	4.55E-07	1.00E-07	1.37E-07	2.17E-07	3.74E-08	2.74E-08	9.93E-07
538	489678.13	3861308.47	1.65E-03	1.68E-03	1.68E-03	5.71E-07	1.72E-06	9.98E-07	1.02E-06	9.23E-07	4.13E-07	4.21E-07	1.91E-08	4.61E-07	1.02E-07	1.38E-07	2.19E-07	3.79E-08	2.78E-08	1.00E-06
539	489728.13	3861308.47	1.67E-03	1.70E-03	1.70E-03	5.78E-07	1.74E-06	1.01E-06	1.03E-06	9.34E-07	4.18E-07	4.26E-07	1.93E-08	4.66E-07	1.03E-07	1.40E-07	2.22E-07	3.83E-08	2.81E-08	1.02E-06
540	489778.13	3861308.47	1.69E-03	1.72E-03	1.72E-03	5.84E-07	1.76E-06	1.02E-06	1.04E-06	9.44E-07	4.22E-07	4.30E-07	1.95E-08	4.71E-07	1.04E-07	1.41E-07	2.24E-07	3.87E-08	2.84E-08	1.03E-06
541	489678.13	3861358.47	1.59E-03	1.63E-03	1.62E-03	5.52E-07	1.67E-06	9.64E-07	9.84E-07	8.92E-07	3.99E-07	4.06E-07	1.84E-08	4.45E-07	9.82E-08	1.34E-07	2.12E-07	3.66E-08	2.68E-08	9.70E-07
542	489728.13	3861358.47	1.61E-03	1.64E-03	1.64E-03	5.57E-07	1.68E-06	9.74E-07	9.94E-07	9.01E-07	4.03E-07	4.11E-07	1.86E-08	4.50E-07	9.92E-08	1.35E-07	2.14E-07	3.70E-08	2.71E-08	9.81E-07
543	489528.13	3861408.47	1.49E-03	1.52E-03	1.52E-03	5.16E-07	1.56E-06	9.01E-07	9.20E-07	8.34E-07	3.73E-07	3.80E-07	1.72E-08	4.16E-07	9.18E-08	1.25E-07	1.98E-07	3.42E-08	2.51E-08	9.07E-07
544	489578.13	3861408.47	1.51E-03	1.54E-03	1.54E-03	5.21E-07	1.57E-06	9.11E-07	9.30E-07	8.43E-07	3.77E-07	3.84E-07	1.74E-08	4.21E-07	9.28E-08	1.26E-07	2.00E-07	3.46E-08	2.53E-08	9.17E-07
545	489628.13	3861408.47	1.53E-03	1.56E-03	1.56E-03	5.29E-07	1.60E-06	9.24E-07	9.43E-07	8.55E-07	3.82E-07	3.89E-07	1.77E-08	4.26E-07	9.41E-08	1.28E-07	2.03E-07	3.51E-08	2.57E-08	9.30E-07
546	489678.13	3861408.47	1.54E-03	1.57E-03	1.57E-03	5.33E-07	1.61E-06	9.32E-07	9.52E-07	8.63E-07	3.86E-07	3.93E-07	1.78E-08	4.30E-07	9.50E-08	1.29E-07	2.05E-07	3.54E-08	2.59E-08	9.39E-07
547	489728.13	3861408.47	1.55E-03	1.59E-03	1.58E-03	5.38E-07	1.62E-06	9.41E-07	9.60E-07	8.70E-07	3.89E-07	3.97E-07	1.80E-08	4.34E-07	9.58E-08	1.30E-07	2.07E-07	3.57E-08	2.62E-08	9.47E-07
548	489528.13	3861458.47	1.44E-03	1.47E-03	1.47E-03	5.00E-07	1.51E-06	8.74E-07	8.92E-07	8.09E-07	3.62E-07	3.69E-07	1.67E-08	4.03E-07	8.90E-08	1.21E-07	1.92E-07	3.32E-08	2.43E-08	8.80E-07
549	489578.13	3861458.47	1.46E-03	1.49E-03	1.49E-03	5.06E-07	1.53E-06	8.84E-07	9.02E-07	8.17E-07	3.65E-07	3.73E-07	1.69E-08	4.08E-07	9.00E-08	1.22E-07	1.94E-07	3.35E-08	2.46E-08	8.89E-07
550	489628.13	3861458.47	1.48E-03	1.51E-03	1.50E-03	5.11E-07	1.54E-06	8.93E-07	9.11E-07	8.26E-07	3.69E-07	3.76E-07	1.71E-08	4.12E-07	9.09E-08	1.24E-07	1.96E-07	3.39E-08	2.48E-08	8.99E-07
551	489678.13	3861458.47	1.49E-03	1.52E-03	1.52E-03	5.15E-07	1.56E-06	9.01E-07	9.19E-07	8.33E-07	3.73E-07	3.80E-07	1.72E-08	4.16E-07	9.17E-08	1.25E-07	1.98E-07	3.42E-08	2.50E-08	9.07E-07
552	489728.13	3861458.47	1.50E-03	1.53E-03	1.53E-03	5.19E-07	1.57E-06	9.07E-07	9.25E-07	8.39E-07	3.75E-07	3.82E-07	1.73E-08	4.19E-07	9.24E-08	1.26E-07	1.99E-07	3.44E-08	2.52E-08	9.13E-07
553	489528.13	3861508.47	1.40E-03	1.43E-03	1.43E-03	4.85E-07	1.46E-06	8.47E-07	8.65E-07	7.84E-07	3.50E-07	3.57E-07	1.62E-08	3.91E-07	8.63E-08	1.17E-07	1.86E-07	3.22E-08	2.36E-08	8.53E-07
554	489578.13	3861508.47	1.41E-03	1.44E-03	1.44E-03	4.89E-07	1.48E-06	8.55E-07	8.73E-07	7.91E-07	3.54E-07	3.60E-07	1.63E-08	3.95E-07	8.71E-08	1.18E-07	1.88E-07	3.25E-08	2.38E-08	8.61E-07
555	489628.13	3861508.47	1.43E-03	1.45E-03	1.45E-03	4.93E-07	1.49E-06	8.63E-07	8.80E-07	7.98E-07	3.57E-07	3.64E-07	1.65E-08	3.98E-07	8.78E-08	1.20E-07	1.90E-07	3.27E-08	2.40E-08	8.68E-07
556	489678.13	3861508.47	1.44E-03	1.47E-03	1.46E-03	4.97E-07	1.50E-06	8.70E-07	8.87E-07	8.04E-07	3.60E-07	3.67E-07	1.66E-08	4.01E-07	8.85E-08	1.20E-07	1.91E-07	3.30E-08	2.42E-08	8.75E-07
557	489728.13	3861508.47	1.45E-03	1.48E-03	1.48E-03	5.01E-07	1.51E-06	8.76E-07	8.94E-07	8.10E-07	3.62E-07	3.69E-07	1.67E-08	4.04E-07	8.92E-08	1.21E-07	1.93E-07	3.33E-08	2.44E-08	8.82E-07
558	489628.13	3861558.47	1.38E-03	1.41E-03	1.41E-03	4.78E-07	1.44E-06	8.36E-07	8.53E-07	7.73E-07	3.46E-07	3.53E-07	1.60E-08	3.86E-07	8.51E-08	1.16E-07	1.84E-07	3.17E-08	2.33E-08	8.42E-07
559	489678.13	3861558.47	1.40E-03	1.42E-03	1.42E-03	4.83E-07	1.46E-06	8.44E-07	8.62E-07	7.81E-07	3.49E-07	3.56E-07	1.61E-08	3.90E-07	8.60E-08	1.17E-07	1.86E-07	3.21E-08	2.35E-08	8.50E-07
560	489728.13	3861558.47	1.41E-03	1.43E-03	1.43E-03	4.87E-07	1.47E-06	8.50E-07	8.68E-07	7.87E-07	3.52E-07	3.59E-07	1.62E-08	3.92E-07	8.66E-08	1.18E-07	1.87E-07	3.23E-08	2.36E-08	8.56E-07
561	489357.08	3861015.81	1.86E-03	1.89E-03	1.89E-03	6.42E-07	1.94E-06	1.12E-06	1.15E-06	1.04E-06	4.64E-07	4.73E-07	2.14E-08	5.18E-07	1.14E-07	1.56E-07	2.47E-07	4.26E-08	3.12E-08	1.13E-06
562	489407.08	3861015.81	1.88E-03	1.92E-03	1.91E-03	6.50E-07	1.96E-06	1.14E-06	1.16E-06	1.05E-06	4.70E-07	4.79E-07	2.17E-08	5.24E-07	1.16E-07	1.57E-07	2.50E-07	4.31E-08	3.16E-08	1.14E-06
563	489457.08	3861015.81	1.90E-03	1.94E-03	1.94E-03	6.59E-07	1.99E-06	1.15E-06	1.18E-06	1.07E-06	4.76E-07	4.86E-07	2.20E-08	5.32E-07	1.17E-07	1.60E-07	2.53E-07	4.37E-08	3.20E-08	1.16E-06

564	489357.08	3861065.81	1.80E-03	1.84E-03	1.83E-03	6.23E-07	1.88E-06	1.09E-06	1.11E-06	1.01E-06	4.50E-07	4.59E-07	2.08E-08	5.02E-07	1.11E-07	1.51E-07	2.39E-07	4.13E-08	3.03E-08	1.10E-06
565	489407.08	3861065.81	1.82E-03	1.86E-03	1.85E-03	6.30E-07	1.90E-06	1.10E-06	1.12E-06	1.02E-06	4.55E-07	4.64E-07	2.10E-08	5.08E-07	1.12E-07	1.52E-07	2.42E-07	4.18E-08	3.06E-08	1.11E-06
566	489457.08	3861065.81	1.84E-03	1.88E-03	1.88E-03	6.38E-07	1.93E-06	1.12E-06	1.14E-06	1.03E-06	4.61E-07	4.70E-07	2.13E-08	5.15E-07	1.14E-07	1.55E-07	2.45E-07	4.23E-08	3.10E-08	1.12E-06
567	489357.08	3861115.81	1.74E-03	1.78E-03	1.78E-03	6.03E-07	1.82E-06	1.05E-06	1.08E-06	9.76E-07	4.36E-07	4.45E-07	2.02E-08	4.87E-07	1.07E-07	1.46E-07	2.32E-07	4.00E-08	2.93E-08	1.06E-06
568	489407.08	3861115.81	1.77E-03	1.80E-03	1.80E-03	6.12E-07	1.85E-06	1.07E-06	1.09E-06	9.89E-07	4.42E-07	4.51E-07	2.04E-08	4.93E-07	1.09E-07	1.48E-07	2.35E-07	4.06E-08	2.97E-08	1.08E-06
569	489457.08	3861115.81	1.79E-03	1.83E-03	1.83E-03	6.20E-07	1.87E-06	1.08E-06	1.11E-06	1.00E-06	4.48E-07	4.57E-07	2.07E-08	5.00E-07	1.10E-07	1.50E-07	2.38E-07	4.11E-08	3.01E-08	1.09E-06
570	489407.08	3861165.81	1.72E-03	1.75E-03	1.75E-03	5.94E-07	1.79E-06	1.04E-06	1.06E-06	9.61E-07	4.30E-07	4.38E-07	1.98E-08	4.79E-07	1.06E-07	1.44E-07	2.28E-07	3.94E-08	2.89E-08	1.05E-06
571	489457.08	3861165.81	1.73E-03	1.77E-03	1.77E-03	6.01E-07	1.81E-06	1.05E-06	1.07E-06	9.71E-07	4.34E-07	4.43E-07	2.01E-08	4.84E-07	1.07E-07	1.45E-07	2.31E-07	3.98E-08	2.92E-08	1.06E-06
572	489407.08	3861215.81	1.65E-03	1.68E-03	1.68E-03	5.72E-07	1.73E-06	9.99E-07	1.02E-06	9.24E-07	4.13E-07	4.21E-07	1.91E-08	4.61E-07	1.02E-07	1.38E-07	2.20E-07	3.79E-08	2.78E-08	1.01E-06
573	489457.08	3861215.81	1.67E-03	1.70E-03	1.70E-03	5.78E-07	1.75E-06	1.01E-06	1.03E-06	9.35E-07	4.18E-07	4.26E-07	1.93E-08	4.66E-07	1.03E-07	1.40E-07	2.22E-07	3.84E-08	2.81E-08	1.02E-06
574	489407.08	3861265.81	1.59E-03	1.62E-03	1.62E-03	5.50E-07	1.66E-06	9.61E-07	9.80E-07	8.89E-07	3.97E-07	4.05E-07	1.84E-08	4.43E-07	9.78E-08	1.33E-07	2.11E-07	3.65E-08	2.67E-08	9.67E-07
575	489457.08	3861265.81	1.61E-03	1.64E-03	1.64E-03	5.57E-07	1.68E-06	9.73E-07	9.93E-07	9.00E-07	4.03E-07	4.10E-07	1.86E-08	4.49E-07	9.91E-08	1.35E-07	2.14E-07	3.70E-08	2.71E-08	9.80E-07
576	489309.86	3861110.14	1.73E-03	1.76E-03	1.76E-03	5.97E-07	1.80E-06	1.04E-06	1.07E-06	9.66E-07	4.32E-07	4.40E-07	1.99E-08	4.82E-07	1.06E-07	1.45E-07	2.29E-07	3.96E-08	2.90E-08	1.05E-06
577	489407.08	3861315.81	1.54E-03	1.57E-03	1.57E-03	5.33E-07	1.61E-06	9.31E-07	9.50E-07	8.61E-07	3.85E-07	3.93E-07	1.78E-08	4.30E-07	9.48E-08	1.29E-07	2.05E-07	3.53E-08	2.59E-08	9.37E-07
578	489457.08	3861315.81	1.56E-03	1.59E-03	1.59E-03	5.39E-07	1.63E-06	9.43E-07	9.62E-07	8.72E-07	3.90E-07	3.97E-07	1.80E-08	4.35E-07	9.60E-08	1.31E-07	2.07E-07	3.58E-08	2.62E-08	9.49E-07
579	488906.03	3861006.75	1.66E-03	1.70E-03	1.70E-03	5.76E-07	1.74E-06	1.01E-06	1.03E-06	9.31E-07	4.16E-07	4.24E-07	1.92E-08	4.64E-07	1.02E-07	1.39E-07	2.21E-07	3.82E-08	2.80E-08	1.01E-06
580	488956.03	3861006.75	1.69E-03	1.73E-03	1.73E-03	5.87E-07	1.77E-06	1.03E-06	1.05E-06	9.48E-07	4.24E-07	4.32E-07	1.96E-08	4.73E-07	1.04E-07	1.42E-07	2.25E-07	3.89E-08	2.85E-08	1.03E-06
581	488904.24	3861051.87	1.65E-03	1.68E-03	1.68E-03	5.70E-07	1.72E-06	9.96E-07	1.02E-06	9.21E-07	4.12E-07	4.20E-07	1.90E-08	4.60E-07	1.01E-07	1.38E-07	2.19E-07	3.78E-08	2.77E-08	1.00E-06
582	488954.24	3861051.87	1.66E-03	1.69E-03	1.69E-03	5.74E-07	1.73E-06	1.00E-06	1.02E-06	9.29E-07	4.15E-07	4.23E-07	1.92E-08	4.63E-07	1.02E-07	1.39E-07	2.21E-07	3.81E-08	2.79E-08	1.01E-06
583	489004.24	3861051.87	1.69E-03	1.73E-03	1.72E-03	5.85E-07	1.77E-06	1.02E-06	1.04E-06	9.46E-07	4.23E-07	4.31E-07	1.95E-08	4.72E-07	1.04E-07	1.42E-07	2.25E-07	3.88E-08	2.84E-08	1.03E-06
584	488804.24	3861101.87	1.54E-03	1.58E-03	1.57E-03	5.35E-07	1.61E-06	9.34E-07	9.54E-07	8.64E-07	3.87E-07	3.94E-07	1.79E-08	4.31E-07	9.52E-08	1.29E-07	2.05E-07	3.55E-08	2.60E-08	9.40E-07
585	488854.24	3861101.87	1.57E-03	1.60E-03	1.60E-03	5.44E-07	1.64E-06	9.51E-07	9.70E-07	8.79E-07	3.93E-07	4.01E-07	1.82E-08	4.39E-07	9.68E-08	1.32E-07	2.09E-07	3.61E-08	2.64E-08	9.57E-07
586	488904.24	3861101.87	1.57E-03	1.60E-03	1.60E-03	5.44E-07	1.64E-06	9.51E-07	9.71E-07	8.80E-07	3.93E-07	4.01E-07	1.82E-08	4.39E-07	9.69E-08	1.32E-07	2.09E-07	3.61E-08	2.65E-08	9.57E-07
587	488954.24	3861101.87	1.59E-03	1.62E-03	1.62E-03	5.49E-07	1.66E-06	9.60E-07	9.79E-07	8.88E-07	3.97E-07	4.05E-07	1.83E-08	4.43E-07	9.77E-08	1.33E-07	2.11E-07	3.64E-08	2.67E-08	9.66E-07
588	489004.24	3861101.87	1.61E-03	1.64E-03	1.64E-03	5.57E-07	1.68E-06	9.73E-07	9.93E-07	9.00E-07	4.02E-07	4.10E-07	1.86E-08	4.49E-07	9.91E-08	1.35E-07	2.14E-07	3.69E-08	2.71E-08	9.79E-07
589	488804.24	3861151.87	1.48E-03	1.51E-03	1.50E-03	5.11E-07	1.54E-06	8.93E-07	9.11E-07	8.26E-07	3.69E-07	3.76E-07	1.71E-08	4.12E-07	9.09E-08	1.24E-07	1.96E-07	3.39E-08	2.48E-08	8.99E-07
590	488854.24	3861151.87	1.49E-03	1.52E-03	1.52E-03	5.16E-07	1.56E-06	9.02E-07	9.21E-07	8.35E-07	3.73E-07	3.80E-07	1.72E-08	4.16E-07	9.19E-08	1.25E-07	1.98E-07	3.43E-08	2.51E-08	9.08E-07
591	489129.49	3861187.55	1.56E-03	1.60E-03	1.59E-03	5.41E-07	1.63E-06	9.46E-07	9.65E-07	8.75E-07	3.91E-07	3.99E-07	1.81E-08	4.37E-07	9.63E-08	1.31E-07	2.08E-07	3.59E-08	2.63E-08	9.52E-07
592	489179.49	3861187.55	1.58E-03	1.61E-03	1.61E-03	5.47E-07	1.65E-06	9.57E-07	9.76E-07	8.85E-07	3.96E-07	4.03E-07	1.83E-08	4.42E-07	9.74E-08	1.33E-07	2.10E-07	3.63E-08	2.66E-08	9.63E-07
593	488804.24	3861201.87	1.44E-03	1.47E-03	1.47E-03	4.98E-07	1.50E-06	8.70E-07	8.88E-07	8.05E-07	3.60E-07	3.67E-07	1.66E-08	4.02E-07	8.86E-08	1.21E-07	1.91E-07	3.30E-08	2.42E-08	8.76E-07
594	488854.24	3861201.87	1.45E-03	1.48E-03	1.48E-03	5.01E-07	1.51E-06	8.76E-07	8.94E-07	8.10E-07	3.62E-07	3.69E-07	1.67E-08	4.04E-07	8.92E-08	1.21E-07	1.92E-07	3.32E-08	2.44E-08	8.81E-07
595	489129.49	3861237.55	1.53E-03	1.56E-03	1.55E-03	5.28E-07	1.59E-06	9.23E-07	9.42E-07	8.54E-07	3.82E-07	3.89E-07	1.76E-08	4.26E-07	9.40E-08	1.28E-07	2.03E-07	3.50E-08	2.57E-08	9.29E-07
596	489179.49	3861237.55	1.54E-03	1.57E-03	1.57E-03	5.32E-07	1.61E-06	9.30E-07	9.49E-07	8.60E-07	3.85E-07	3.92E-07	1.78E-08	4.29E-07	9.47E-08	1.29E-07	2.04E-07	3.53E-08	2.59E-08	9.36E-07
597	488804.24	3861251.87	1.40E-03	1.43E-03	1.43E-03	4.86E-07	1.47E-06	8.50E-07	8.67E-07	7.86E-07	3.51E-07	3.58E-07	1.62E-08	3.92E-07	8.65E-08	1.18E-07	1.87E-07	3.22E-08	2.36E-08	8.55E-07
598	488854.24	3861251.87	1.41E-03	1.44E-03	1.44E-03	4.89E-07	1.48E-06	8.54E-07	8.71E-07	7.90E-07	3.53E-07	3.60E-07	1.63E-08	3.94E-07	8.70E-08	1.18E-07	1.88E-07	3.24E-08	2.37E-08	8.60E-07
599	488804.24	3861301.87	1.37E-03	1.39E-03	1.39E-03	4.73E-07	1.43E-06	8.26E-07	8.43E-07	7.64E-07	3.42E-07	3.48E-07	1.58E-08	3.81E-07	8.41E-08	1.14E-07	1.82E-07	3.14E-08	2.30E-08	8.32E-07
600	488854.24	3861301.87	1.38E-03	1.40E-03	1.40E-03	4.76E-07	1.44E-06	8.33E-07	8.50E-07	7.70E-07	3.44E-07	3.51E-07	1.59E-08	3.84E-07	8.48E-08	1.15E-07	1.83E-07	3.16E-08	2.32E-08	8.38E-07
601	490943.5	3860181.97	1.44E-02	1.47E-02	1.47E-02	4.98E-06	1.50E-05	8.71E-06	8.89E-06	8.06E-06	3.60E-06	3.67E-06	1.66E-07	4.02E-06	8.87E-07	1.21E-06	1.91E-06	3.31E-07	2.42E-07	8.77E-06
602	490993.5	3860181.97	1.58E-02	1.61E-02	1.61E-02	5.46E-06	1.65E-05	9.55E-06	9.74E-06	8.83E-06	3.95E-06	4.03E-06	1.82E-07	4.41E-06	9.72E-07	1.32E-06	2.10E-06	3.62E-07	2.66E-07	9.61E-06
603	491043.5	3860181.97	1.76E-02	1.79E-02	1.79E-02	6.08E-06	1.83E-05	1.06E-05	1.08E-05	9.82E-06	4.39E-06	4.48E-06	2.03E-07	4.90E-06	1.08E-06	1.47E-06	2.33E-06	4.03E-07	2.95E-07	1.07E-05
604	491093.5	3860181.97	1.97E-02	2.01E-02	2.01E-02	6.83E-06	2.06E-05	1.19E-05	1.22E-05	1.10E-05	4.94E-06	5.04E-06	2.28E-07	5.51E-06	1.22E-06	1.65E-06	2.63E-06	4.53E-07	3.32E-07	1.20E-05
605	490943.5	3860231.97	1.25E-02	1.27E-02	1.27E-02	4.32E-06	1.30E-05	7.55E-06	7.70E-06	6.98E-06	3.12E-06	3.18E-06	1.44E-07	3.48E-06	7.69E-07	1.05E-06	1.66E-06	2.87E-07	2.10E-07	7.60E-06
606	490993.5	3860231.97	1.37E-02	1.40E-02	1.40E-02	4.74E-06	1.43E-05	8.29E-06	8.46E-06	7.67E-06	3.43E-06	3.49E-06	1.58E-07	3.83E-06	8.44E-07	1.15E-06	1.82E-06	3.15E-07	2.31E-07	8.34E-06
607	491043.5	3860231.97	1.49E-02	1.52E-02	1.52E-02	5.16E-06	1.56E-05	9.01E-06	9.19E-06	8.34E-06	3.73E-06	3.80E-06	1.72E-07	4.16E-06	9.18E-07	1.25E-06	1.98E-06	3.42E-07	2.51E-07	9.07E-06
608	491093.5	3860231.97	1.64E-02	1.67E-02	1.67E-02	5.67E-06	1.71E-05	9.90E-06	1.01E-05	9.16E-06	4.10E-06	4.18E-06	1.89E-07	4.57E-06	1.01E-06	1.37E-06	2.18E-06	3.76E-07	2.75E-07	9.97E-06
609	490943.5	3860281.97	1.10E-02	1.12E-02	1.12E-02	3.80E-06	1.15E-05	6.64E-06	6.78E-06	6.14E-06	2.75E-06	2.80E-06	1.27E-07	3.06E-06	6.76E-07	9.20E-07	1.46E-06	2.52E-07	1.85E-07	6.68E-06
610	490993.5	3860281.97	1.19E-02	1.21E-02	1.21E-02	4.12E-06	1.24E-05	7.20E-06	7.35E-06	6.66E-06	2.98E-06	3.04E-06	1.38E-07	3.32E-06	7.34E-07	9.98E-07	1.58E-06	2.73E-07	2.00E-07	7.25E-06
611	491043.5	3860281.97	1.29E-02	1.31E-02	1.31E-02	4.45E-06	1.34E-05	7.78E-06	7.94E-06	7.20E-06	3.22E-06	3.28E-06	1.49E-07	3.59E-06	7.92E-07	1.08E-06	1.71E-06	2.95E-07	2.16E-07	7.83E-06
612	491093.5	3860281.97	1.40E-02	1.43E-02	1.42E-02	4.84E-06	1.46E-05	8.46E-06	8.63E-06	7.82E-06	3.50E-06	3.57E-06	1.62E-07	3.90E-06	8.61E-07	1.17E-06	1.86E-06	3.21E-07	2.35E-07	8.51E-06
613	490943.5	3860331.97	9.74E-03	9.94E-03	9.92E-03	3.37E-06	1.02E-05	5.89E-06	6.01E-06	5.45E-06	2.44E-06	2.48E-06	1.13E-07	2.72E-06	6.00E-07	8.16E-07	1.29E-06	2.24E-07	1.64E-07	5.93E-06
614	490993.5	3860331.97	1.04E-02	1.06E-02	1.06E-02	3.59E-06	1.08E-05	6.27E-06	6.40E-06	5.80E-06	2.59E-06	2.64E-06	1.20E-07	2.89E-06	6.38E-07	8.68E-07	1.38E-06	2.38E-07	1.74E-07	6.31E-06
615	491043.5	3860331.97	1.11E-02	1.13E-02	1.13E-02	3.84E-06	1.16E-05	6.71E-06	6.85E-06	6.21E-06	2.78E-06	2.83E-06	1.28E-07	3.10E-06	6.84E-07	9.30E-07	1.48E-06	2.55E-07	1.87E-07	6.76E-06
616	491093.5	3860331.97	1.20E-02	1.22E-02	1.22E-02	4.14E-06	1.25E-05	7.24E-06	7.39E-06	6.70E-06	3.00E-06	3.05E-06	1.38E-07	3.34E-06	7.38E-07	1.00E-06	1.59E-06	2.75E-07	2.01E-07	7.29E-06
617	490086.72	3859935.12	1.04E-02	1.06E-02	1.06E-02	3.59E-06	1.08E-05	6.27E-06	6.40E-06	5.80E-06	2.59E-06	2.64E-06	1.20E-07	2.89E-06	6.38E-07	8.69E-07	1.38E-06	2.38E-07	1.74E-07	6.31E-06
618	490136.72	3859935.12	1.09E-02	1.12E-02	1.12E-02	3.79E-06	1.14E-05	6.62E-06	6.76E-06	6.13E-06	2.74E-06	2.79E-06	1.27E-07	3.06E-06	6.75E-07	9.18E-07	1.46E-06	2.51E-07	1.84E-07	6.67E-06
619	490186.72	3859935.12	1.16E-02	1.18E-02	1.18E-02	4.01E-06	1.21E-05	7.02E-06	7.16E-06	6.49E-06	2.90E-06	2.96E-06	1.34E-07	3.24E-06	7.15E-07	9.72E-07	1.54E-06	2.66E-07	1.95E-07	7.06E-06
620	490236.72	3859935.12	1.23E-02	1.26E-02	1.25E-02	4.26E-06	1.29E-05	7.45E-06	7.60E-06	6.89E-06	3.08E-06	3.14E-06	1.42E-07	3.44E-06	7.59E-07	1.03E-06	1.64E-06	2.83E-07	2.07E-07	7.50E-06

621	490286.72	3859935.12	1.31E-02	1.33E-02	1.33E-02	4.52E-06	1.36E-05	7.90E-06	8.06E-06	7.31E-06	3.27E-06	3.33E-06	1.51E-07	3.65E-06	8.04E-07	1.09E-06	1.74E-06	3.00E-07	2.20E-07	7.95E-06
622	490336.72	3859935.12	1.39E-02	1.42E-02	1.41E-02	4.80E-06	1.45E-05	8.40E-06	8.57E-06	7.77E-06	3.47E-06	3.54E-06	1.60E-07	3.87E-06	8.55E-07	1.16E-06	1.85E-06	3.19E-07	2.33E-07	8.45E-06
623	490386.72	3859935.12	1.48E-02	1.52E-02	1.51E-02	5.14E-06	1.55E-05	8.99E-06	9.17E-06	8.31E-06	3.72E-06	3.79E-06	1.72E-07	4.15E-06	9.15E-07	1.24E-06	1.97E-06	3.41E-07	2.50E-07	9.04E-06
624	490436.72	3859935.12	1.59E-02	1.63E-02	1.62E-02	5.51E-06	1.66E-05	9.64E-06	9.83E-06	8.91E-06	3.99E-06	4.06E-06	1.84E-07	4.45E-06	9.81E-07	1.34E-06	2.12E-06	3.66E-07	2.68E-07	9.70E-06
625	490486.72	3859935.12	1.72E-02	1.76E-02	1.76E-02	5.96E-06	1.80E-05	1.04E-05	1.06E-05	9.64E-06	4.31E-06	4.40E-06	1.99E-07	4.81E-06	1.06E-06	1.44E-06	2.29E-06	3.96E-07	2.90E-07	1.05E-05
626	490536.72	3859935.12	1.91E-02	1.95E-02	1.95E-02	6.62E-06	2.00E-05	1.16E-05	1.18E-05	1.07E-05	4.79E-06	4.88E-06	2.21E-07	5.34E-06	1.18E-06	1.60E-06	2.54E-06	4.39E-07	3.22E-07	1.16E-05
627	490586.72	3859935.12	2.16E-02	2.20E-02	2.20E-02	7.46E-06	2.25E-05	1.30E-05	1.33E-05	1.21E-05	5.39E-06	5.50E-06	2.49E-07	6.02E-06	1.33E-06	1.81E-06	2.87E-06	4.95E-07	3.63E-07	1.31E-05
628	490636.72	3859935.12	2.42E-02	2.47E-02	2.46E-02	8.37E-06	2.53E-05	1.46E-05	1.49E-05	1.35E-05	6.05E-06	6.16E-06	2.79E-07	6.75E-06	1.49E-06	2.03E-06	3.21E-06	5.55E-07	4.07E-07	1.47E-05
629	490686.72	3859935.12	2.83E-02	2.89E-02	2.89E-02	9.80E-06	2.96E-05	1.71E-05	1.75E-05	1.59E-05	7.09E-06	7.22E-06	3.27E-07	7.91E-06	1.75E-06	2.37E-06	3.77E-06	6.51E-07	4.77E-07	1.72E-05
630	490736.72	3859935.12	3.33E-02	3.39E-02	3.39E-02	1.15E-05	3.48E-05	2.01E-05	2.05E-05	1.86E-05	8.32E-06	8.48E-06	3.84E-07	9.29E-06	2.05E-06	2.79E-06	4.42E-06	7.64E-07	5.60E-07	2.03E-05
631	490086.72	3859985.12	9.19E-03	9.38E-03	9.37E-03	3.18E-06	9.61E-06	5.56E-06	5.68E-06	5.14E-06	2.30E-06	2.34E-06	1.06E-07	2.57E-06	5.66E-07	7.71E-07	1.22E-06	2.11E-07	1.55E-07	5.60E-06
632	490136.72	3859985.12	9.64E-03	9.84E-03	9.83E-03	3.34E-06	1.01E-05	5.83E-06	5.95E-06	5.40E-06	2.41E-06	2.46E-06	1.11E-07	2.69E-06	5.94E-07	8.08E-07	1.28E-06	2.21E-07	1.62E-07	5.87E-06
633	490186.72	3859985.12	1.02E-02	1.04E-02	1.04E-02	3.52E-06	1.06E-05	6.15E-06	6.28E-06	5.69E-06	2.54E-06	2.59E-06	1.18E-07	2.84E-06	6.27E-07	8.52E-07	1.35E-06	2.34E-07	1.71E-07	6.19E-06
634	490236.72	3859985.12	1.08E-02	1.10E-02	1.10E-02	3.73E-06	1.13E-05	6.51E-06	6.65E-06	6.03E-06	2.69E-06	2.75E-06	1.24E-07	3.01E-06	6.63E-07	9.03E-07	1.43E-06	2.47E-07	1.81E-07	6.56E-06
635	490286.72	3859985.12	1.13E-02	1.16E-02	1.16E-02	3.93E-06	1.19E-05	6.86E-06	7.01E-06	6.35E-06	2.84E-06	2.89E-06	1.31E-07	3.17E-06	6.99E-07	9.51E-07	1.51E-06	2.61E-07	1.91E-07	6.91E-06
636	490336.72	3859985.12	1.20E-02	1.22E-02	1.22E-02	4.14E-06	1.25E-05	7.24E-06	7.39E-06	6.70E-06	2.99E-06	3.05E-06	1.38E-07	3.34E-06	7.37E-07	1.00E-06	1.59E-06	2.75E-07	2.01E-07	7.29E-06
637	490386.72	3859985.12	1.26E-02	1.28E-02	1.28E-02	4.35E-06	1.31E-05	7.61E-06	7.76E-06	7.04E-06	3.15E-06	3.21E-06	1.45E-07	3.51E-06	7.74E-07	1.05E-06	1.67E-06	2.89E-07	2.11E-07	7.65E-06
638	490436.72	3859985.12	1.33E-02	1.36E-02	1.36E-02	4.61E-06	1.39E-05	8.05E-06	8.22E-06	7.45E-06	3.33E-06	3.40E-06	1.54E-07	3.72E-06	8.20E-07	1.12E-06	1.77E-06	3.06E-07	2.24E-07	8.11E-06
639	490486.72	3859985.12	1.42E-02	1.45E-02	1.45E-02	4.92E-06	1.48E-05	8.59E-06	8.77E-06	7.95E-06	3.56E-06	3.62E-06	1.64E-07	3.97E-06	8.75E-07	1.19E-06	1.89E-06	3.26E-07	2.39E-07	8.65E-06
640	490536.72	3859985.12	1.53E-02	1.57E-02	1.56E-02	5.31E-06	1.60E-05	9.29E-06	9.48E-06	8.59E-06	3.84E-06	3.92E-06	1.77E-07	4.29E-06	9.46E-07	1.29E-06	2.04E-06	3.53E-07	2.58E-07	9.35E-06
641	490586.72	3859985.12	1.68E-02	1.71E-02	1.71E-02	5.81E-06	1.75E-05	1.02E-05	1.04E-05	9.39E-06	4.20E-06	4.28E-06	1.94E-07	4.69E-06	1.03E-06	1.41E-06	2.23E-06	3.85E-07	2.82E-07	1.02E-05
642	490636.72	3859985.12	1.86E-02	1.90E-02	1.89E-02	6.43E-06	1.94E-05	1.12E-05	1.15E-05	1.04E-05	4.65E-06	4.74E-06	2.15E-07	5.19E-06	1.14E-06	1.56E-06	2.47E-06	4.27E-07	3.12E-07	1.13E-05
643	490686.72	3859985.12	2.11E-02	2.15E-02	2.15E-02	7.29E-06	2.20E-05	1.27E-05	1.30E-05	1.18E-05	5.27E-06	5.37E-06	2.43E-07	5.88E-06	1.30E-06	1.76E-06	2.80E-06	4.84E-07	3.54E-07	1.28E-05
644	490736.72	3859985.12	2.34E-02	2.39E-02	2.39E-02	8.11E-06	2.45E-05	1.42E-05	1.45E-05	1.31E-05	5.86E-06	5.97E-06	2.71E-07	6.54E-06	1.44E-06	1.96E-06	3.11E-06	5.38E-07	3.94E-07	1.43E-05
645	490786.72	3859985.12	2.64E-02	2.69E-02	2.69E-02	9.12E-06	2.75E-05	1.59E-05	1.63E-05	1.47E-05	6.59E-06	6.72E-06	3.05E-07	7.36E-06	1.62E-06	2.21E-06	3.50E-06	6.05E-07	4.43E-07	1.60E-05
646	490086.72	3860035.12	8.25E-03	8.42E-03	8.41E-03	2.85E-06	8.62E-06	4.99E-06	5.09E-06	4.62E-06	2.06E-06	2.10E-06	9.53E-08	2.30E-06	5.08E-07	6.91E-07	1.10E-06	1.89E-07	1.39E-07	5.02E-06
647	490136.72	3860035.12	8.62E-03	8.80E-03	8.79E-03	2.98E-06	9.01E-06	5.22E-06	5.32E-06	4.82E-06	2.16E-06	2.20E-06	9.96E-08	2.41E-06	5.31E-07	7.23E-07	1.15E-06	1.98E-07	1.45E-07	5.25E-06
648	490186.72	3860035.12	9.03E-03	9.21E-03	9.20E-03	3.12E-06	9.43E-06	5.46E-06	5.57E-06	5.05E-06	2.26E-06	2.30E-06	1.04E-07	2.52E-06	5.56E-07	7.57E-07	1.20E-06	2.07E-07	1.52E-07	5.50E-06
649	490236.72	3860035.12	9.47E-03	9.66E-03	9.65E-03	3.28E-06	9.90E-06	5.73E-06	5.85E-06	5.30E-06	2.37E-06	2.42E-06	1.09E-07	2.64E-06	5.83E-07	7.94E-07	1.26E-06	2.17E-07	1.59E-07	5.77E-06
650	490286.72	3860035.12	9.92E-03	1.01E-02	1.01E-02	3.43E-06	1.04E-05	6.00E-06	6.13E-06	5.55E-06	2.48E-06	2.53E-06	1.15E-07	2.77E-06	6.11E-07	8.32E-07	1.32E-06	2.28E-07	1.67E-07	6.04E-06
651	490336.72	3860035.12	1.05E-02	1.07E-02	1.07E-02	3.62E-06	1.09E-05	6.33E-06	6.46E-06	5.86E-06	2.62E-06	2.67E-06	1.21E-07	2.92E-06	6.45E-07	8.77E-07	1.39E-06	2.40E-07	1.76E-07	6.37E-06
652	490386.72	3860035.12	1.09E-02	1.12E-02	1.11E-02	3.79E-06	1.14E-05	6.62E-06	6.75E-06	6.12E-06	2.74E-06	2.79E-06	1.26E-07	3.05E-06	6.74E-07	9.17E-07	1.45E-06	2.51E-07	1.84E-07	6.66E-06
653	490436.72	3860035.12	1.15E-02	1.17E-02	1.17E-02	3.98E-06	1.20E-05	6.95E-06	7.09E-06	6.43E-06	2.87E-06	2.93E-06	1.33E-07	3.21E-06	7.08E-07	9.63E-07	1.53E-06	2.64E-07	1.93E-07	6.99E-06
654	490486.72	3860035.12	1.21E-02	1.24E-02	1.24E-02	4.20E-06	1.27E-05	7.34E-06	7.49E-06	6.79E-06	3.04E-06	3.09E-06	1.40E-07	3.39E-06	7.47E-07	1.02E-06	1.61E-06	2.79E-07	2.04E-07	7.39E-06
655	490536.72	3860035.12	1.29E-02	1.32E-02	1.32E-02	4.48E-06	1.35E-05	7.82E-06	7.98E-06	7.24E-06	3.24E-06	3.30E-06	1.49E-07	3.61E-06	7.97E-07	1.08E-06	1.72E-06	2.97E-07	2.18E-07	7.87E-06
656	490586.72	3860035.12	1.38E-02	1.41E-02	1.41E-02	4.79E-06	1.45E-05	8.37E-06	8.54E-06	7.74E-06	3.46E-06	3.53E-06	1.60E-07	3.86E-06	8.52E-07	1.16E-06	1.84E-06	3.18E-07	2.33E-07	8.43E-06
657	490636.72	3860035.12	1.48E-02	1.51E-02	1.51E-02	5.12E-06	1.55E-05	8.95E-06	9.13E-06	8.28E-06	3.70E-06	3.77E-06	1.71E-07	4.13E-06	9.11E-07	1.24E-06	1.97E-06	3.40E-07	2.49E-07	9.01E-06
658	490686.72	3860035.12	1.62E-02	1.65E-02	1.65E-02	5.59E-06	1.69E-05	9.77E-06	9.97E-06	9.04E-06	4.04E-06	4.12E-06	1.87E-07	4.51E-06	9.95E-07	1.35E-06	2.15E-06	3.71E-07	2.72E-07	9.84E-06
659	490736.72	3860035.12	1.81E-02	1.85E-02	1.84E-02	6.26E-06	1.89E-05	1.09E-05	1.12E-05	1.01E-05	4.53E-06	4.61E-06	2.09E-07	5.05E-06	1.11E-06	1.52E-06	2.41E-06	4.16E-07	3.04E-07	1.10E-05
660	490786.72	3860035.12	1.99E-02	2.03E-02	2.02E-02	6.88E-06	2.08E-05	1.20E-05	1.23E-05	1.11E-05	4.97E-06	5.07E-06	2.30E-07	5.55E-06	1.22E-06	1.66E-06	2.64E-06	4.56E-07	3.34E-07	1.21E-05
661	490836.72	3860035.12	2.20E-02	2.24E-02	2.24E-02	7.60E-06	2.30E-05	1.33E-05	1.36E-05	1.23E-05	5.50E-06	5.60E-06	2.54E-07	6.13E-06	1.35E-06	1.84E-06	2.92E-06	5.05E-07	3.70E-07	1.34E-05
662	490086.72	3860085.12	7.54E-03	7.69E-03	7.69E-03	2.61E-06	7.88E-06	4.56E-06	4.66E-06	4.22E-06	1.89E-06	1.92E-06	8.72E-08	2.11E-06	4.65E-07	6.32E-07	1.00E-06	1.73E-07	1.27E-07	4.59E-06
663	490136.72	3860085.12	7.78E-03	7.94E-03	7.93E-03	2.69E-06	8.13E-06	4.71E-06	4.80E-06	4.35E-06	1.95E-06	1.98E-06	8.99E-08	2.17E-06	4.79E-07	6.52E-07	1.03E-06	1.79E-07	1.31E-07	4.74E-06
664	490186.72	3860085.12	8.15E-03	8.31E-03	8.30E-03	2.82E-06	8.52E-06	4.93E-06	5.03E-06	4.56E-06	2.04E-06	2.08E-06	9.42E-08	2.28E-06	5.02E-07	6.83E-07	1.08E-06	1.87E-07	1.37E-07	4.96E-06
665	490236.72	3860085.12	8.50E-03	8.67E-03	8.66E-03	2.94E-06	8.88E-06	5.14E-06	5.25E-06	4.76E-06	2.13E-06	2.17E-06	9.82E-08	2.37E-06	5.24E-07	7.12E-07	1.13E-06	1.95E-07	1.43E-07	5.18E-06
666	490286.72	3860085.12	8.87E-03	9.05E-03	9.04E-03	3.07E-06	9.27E-06	5.37E-06	5.48E-06	4.97E-06	2.22E-06	2.26E-06	1.03E-07	2.48E-06	5.47E-07	7.44E-07	1.18E-06	2.04E-07	1.49E-07	5.40E-06
667	490336.72	3860085.12	9.25E-03	9.44E-03	9.42E-03	3.20E-06	9.66E-06	5.59E-06	5.71E-06	5.18E-06	2.31E-06	2.36E-06	1.07E-07	2.58E-06	5.70E-07	7.75E-07	1.23E-06	2.12E-07	1.56E-07	5.63E-06
668	490386.72	3860085.12	9.66E-03	9.85E-03	9.84E-03	3.34E-06	1.01E-05	5.84E-06	5.96E-06	5.40E-06	2.42E-06	2.46E-06	1.12E-07	2.70E-06	5.95E-07	8.09E-07	1.28E-06	2.22E-07	1.62E-07	5.88E-06
669	490436.72	3860085.12	1.01E-02	1.03E-02	1.03E-02	3.50E-06	1.06E-05	6.11E-06	6.24E-06	5.65E-06	2.53E-06	2.58E-06	1.17E-07	2.82E-06	6.22E-07	8.47E-07	1.34E-06	2.32E-07	1.70E-07	6.15E-06
670	490486.72	3860085.12	1.06E-02	1.08E-02	1.08E-02	3.66E-06	1.10E-05	6.39E-06	6.52E-06	5.91E-06	2.64E-06	2.70E-06	1.22E-07	2.95E-06	6.51E-07	8.86E-07	1.41E-06	2.43E-07	1.78E-07	6.43E-06
671	490536.72	3860085.12	1.12E-02	1.14E-02	1.14E-02	3.86E-06	1.17E-05	6.75E-06	6.89E-06	6.25E-06	2.79E-06	2.85E-06	1.29E-07	3.12E-06	6.88E-07	9.36E-07	1.48E-06	2.56E-07	1.88E-07	6.80E-06
672	490586.72	3860085.12	1.18E-02	1.21E-02	1.21E-02	4.10E-06	1.24E-05	7.16E-06	7.31E-06	6.62E-06	2.96E-06	3.02E-06	1.37E-07	3.30E-06	7.29E-07	9.92E-07	1.57E-06	2.72E-07	1.99E-07	7.21E-06
673	490636.72	3860085.12	1.25E-02	1.28E-02	1.28E-02	4.34E-06	1.31E-05	7.59E-06	7.75E-06	7.02E-06	3.14E-06	3.20E-06	1.45E-07	3.50E-06	7.73E-07	1.05E-06	1.67E-06	2.88E-07	2.11E-07	7.64E-06
674	490686.72	3860085.12	1.35E-02	1.37E-02	1.37E-02	4.66E-06	1.41E-05	8.15E-06	8.32E-06	7.54E-06	3.37E-06	3.44E-06	1.56E-07	3.76E-06	8.30E-07	1.13E-06	1.79E-06	3.09E-07	2.27E-07	8.20E-06
675	490736.72	3860085.12	1.46E-02	1.49E-02	1.49E-02	5.06E-06	1.53E-05	8.84E-06	9.02E-06	8.18E-06	3.66E-06	3.73E-06	1.69E-07	4.08E-06	9.00E-07	1.23E-06	1.94E-06	3.36E-07	2.46E-07	8.90E-06
676	490786.72	3860085.12	1.60E-02	1.63E-02	1.63E-02	5.53E-06	1.67E-05	9.66E-06	9.86E-06	8.93E-06	4.00E-06	4.07E-06	1.85E-07	4.46E-06	9.84E-07	1.34E-06	2.12E-06	3.67E-07	2.69E-07	9.72E-06
677	490836.72	3860085.12	1.74E-02	1.77E-02	1.77E-02	6.01E-06	1.82E-05	1.05E-05	1.07E-05	9.72E-06	4.35E-06	4.43E-06	2.01E-07	4.85E-06	1.07E-06	1.46E-06	2.31E-06	3.99E-07	2.92E-07	1.06E-05

678	490086.72	3860135.12	6.77E-03	6.91E-03	6.90E-03	2.34E-06	7.08E-06	4.10E-06	4.18E-06	3.79E-06	1.69E-06	1.73E-06	7.83E-08	1.89E-06	4.17E-07	5.68E-07	9.01E-07	1.56E-07	1.14E-07	4.12E-06
679	490136.72	3860135.12	7.06E-03	7.20E-03	7.19E-03	2.44E-06	7.38E-06	4.27E-06	4.36E-06	3.95E-06	1.77E-06	1.80E-06	8.16E-08	1.97E-06	4.35E-07	5.92E-07	9.39E-07	1.62E-07	1.19E-07	4.30E-06
680	490186.72	3860135.12	7.37E-03	7.52E-03	7.51E-03	2.55E-06	7.70E-06	4.46E-06	4.55E-06	4.12E-06	1.84E-06	1.88E-06	8.52E-08	2.06E-06	4.54E-07	6.18E-07	9.80E-07	1.69E-07	1.24E-07	4.49E-06
681	490236.72	3860135.12	7.66E-03	7.81E-03	7.80E-03	2.65E-06	8.00E-06	4.63E-06	4.73E-06	4.29E-06	1.92E-06	1.95E-06	8.85E-08	2.14E-06	4.72E-07	6.42E-07	1.02E-06	1.76E-07	1.29E-07	4.66E-06
682	490286.72	3860135.12	7.98E-03	8.14E-03	8.13E-03	2.76E-06	8.34E-06	4.83E-06	4.92E-06	4.46E-06	2.00E-06	2.03E-06	9.22E-08	2.23E-06	4.91E-07	6.69E-07	1.06E-06	1.83E-07	1.34E-07	4.86E-06
683	490336.72	3860135.12	8.31E-03	8.48E-03	8.47E-03	2.88E-06	8.68E-06	5.03E-06	5.13E-06	4.65E-06	2.08E-06	2.12E-06	9.60E-08	2.32E-06	5.12E-07	6.96E-07	1.10E-06	1.91E-07	1.40E-07	5.06E-06
684	490386.72	3860135.12	8.64E-03	8.82E-03	8.81E-03	2.99E-06	9.04E-06	5.23E-06	5.34E-06	4.84E-06	2.16E-06	2.21E-06	9.99E-08	2.41E-06	5.33E-07	7.25E-07	1.15E-06	1.99E-07	1.45E-07	5.26E-06
685	490436.72	3860135.12	8.99E-03	9.17E-03	9.16E-03	3.11E-06	9.39E-06	5.44E-06	5.55E-06	5.03E-06	2.25E-06	2.29E-06	1.04E-07	2.51E-06	5.54E-07	7.53E-07	1.20E-06	2.06E-07	1.51E-07	5.47E-06
686	490486.72	3860135.12	9.38E-03	9.57E-03	9.56E-03	3.25E-06	9.80E-06	5.67E-06	5.79E-06	5.25E-06	2.35E-06	2.39E-06	1.08E-07	2.62E-06	5.78E-07	7.86E-07	1.25E-06	2.15E-07	1.58E-07	5.71E-06
687	490536.72	3860135.12	9.86E-03	1.01E-02	1.00E-02	3.41E-06	1.03E-05	5.96E-06	6.09E-06	5.52E-06	2.47E-06	2.51E-06	1.14E-07	2.75E-06	6.07E-07	8.26E-07	1.31E-06	2.26E-07	1.66E-07	6.00E-06
688	490586.72	3860135.12	1.04E-02	1.06E-02	1.06E-02	3.59E-06	1.08E-05	6.27E-06	6.40E-06	5.80E-06	2.59E-06	2.64E-06	1.20E-07	2.89E-06	6.38E-07	8.69E-07	1.38E-06	2.38E-07	1.74E-07	6.31E-06
689	490636.72	3860135.12	1.09E-02	1.11E-02	1.11E-02	3.78E-06	1.14E-05	6.61E-06	6.74E-06	6.11E-06	2.73E-06	2.79E-06	1.26E-07	3.05E-06	6.73E-07	9.16E-07	1.45E-06	2.51E-07	1.84E-07	6.65E-06
690	490686.72	3860135.12	1.16E-02	1.18E-02	1.18E-02	4.00E-06	1.21E-05	6.99E-06	7.13E-06	6.47E-06	2.89E-06	2.95E-06	1.34E-07	3.23E-06	7.12E-07	9.68E-07	1.54E-06	2.65E-07	1.94E-07	7.03E-06
691	490736.72	3860135.12	1.23E-02	1.26E-02	1.26E-02	4.27E-06	1.29E-05	7.46E-06	7.61E-06	6.90E-06	3.09E-06	3.14E-06	1.43E-07	3.44E-06	7.60E-07	1.03E-06	1.64E-06	2.83E-07	2.07E-07	7.51E-06
692	490786.72	3860135.12	1.33E-02	1.36E-02	1.36E-02	4.62E-06	1.39E-05	8.07E-06	8.23E-06	7.46E-06	3.34E-06	3.40E-06	1.54E-07	3.72E-06	8.22E-07	1.12E-06	1.77E-06	3.06E-07	2.24E-07	8.12E-06
693	490836.72	3860135.12	1.44E-02	1.47E-02	1.46E-02	4.97E-06	1.50E-05	8.69E-06	8.86E-06	8.04E-06	3.59E-06	3.66E-06	1.66E-07	4.01E-06	8.85E-07	1.20E-06	1.91E-06	3.30E-07	2.42E-07	8.74E-06
694	490086.72	3860185.12	6.19E-03	6.32E-03	6.31E-03	2.14E-06	6.47E-06	3.75E-06	3.82E-06	3.46E-06	1.55E-06	1.58E-06	7.15E-08	1.73E-06	3.81E-07	5.19E-07	8.23E-07	1.42E-07	1.04E-07	3.77E-06
695	490136.72	3860185.12	6.46E-03	6.59E-03	6.58E-03	2.23E-06	6.75E-06	3.91E-06	3.99E-06	3.61E-06	1.62E-06	1.65E-06	7.46E-08	1.80E-06	3.98E-07	5.41E-07	8.58E-07	1.48E-07	1.09E-07	3.93E-06
696	490186.72	3860185.12	6.72E-03	6.85E-03	6.85E-03	2.33E-06	7.02E-06	4.06E-06	4.15E-06	3.76E-06	1.68E-06	1.71E-06	7.76E-08	1.88E-06	4.14E-07	5.63E-07	8.93E-07	1.54E-07	1.13E-07	4.09E-06
697	490236.72	3860185.12	6.97E-03	7.11E-03	7.10E-03	2.41E-06	7.28E-06	4.21E-06	4.30E-06	3.90E-06	1.74E-06	1.78E-06	8.05E-08	1.95E-06	4.29E-07	5.84E-07	9.26E-07	1.60E-07	1.17E-07	4.24E-06
698	490286.72	3860185.12	7.23E-03	7.38E-03	7.37E-03	2.50E-06	7.56E-06	4.37E-06	4.46E-06	4.05E-06	1.81E-06	1.84E-06	8.36E-08	2.02E-06	4.45E-07	6.06E-07	9.61E-07	1.66E-07	1.22E-07	4.40E-06
699	490336.72	3860185.12	7.50E-03	7.66E-03	7.65E-03	2.60E-06	7.84E-06	4.54E-06	4.63E-06	4.20E-06	1.88E-06	1.91E-06	8.67E-08	2.10E-06	4.62E-07	6.29E-07	9.98E-07	1.72E-07	1.26E-07	4.57E-06
700	490386.72	3860185.12	7.79E-03	7.95E-03	7.94E-03	2.70E-06	8.15E-06	4.72E-06	4.81E-06	4.36E-06	1.95E-06	1.99E-06	9.01E-08	2.18E-06	4.80E-07	6.53E-07	1.04E-06	1.79E-07	1.31E-07	4.75E-06
701	490436.72	3860185.12	8.10E-03	8.27E-03	8.26E-03	2.80E-06	8.47E-06	4.90E-06	5.00E-06	4.53E-06	2.03E-06	2.07E-06	9.36E-08	2.26E-06	4.99E-07	6.79E-07	1.08E-06	1.86E-07	1.36E-07	4.93E-06
702	490486.72	3860185.12	8.42E-03	8.59E-03	8.58E-03	2.92E-06	8.80E-06	5.10E-06	5.20E-06	4.71E-06	2.11E-06	2.15E-06	9.74E-08	2.35E-06	5.19E-07	7.06E-07	1.12E-06	1.93E-07	1.42E-07	5.13E-06
703	490536.72	3860185.12	8.80E-03	8.98E-03	8.96E-03	3.04E-06	9.19E-06	5.32E-06	5.43E-06	4.92E-06	2.20E-06	2.24E-06	1.02E-07	2.46E-06	5.42E-07	7.37E-07	1.17E-06	2.02E-07	1.48E-07	5.36E-06
704	490586.72	3860185.12	9.24E-03	9.43E-03	9.42E-03	3.20E-06	9.66E-06	5.59E-06	5.71E-06	5.17E-06	2.31E-06	2.36E-06	1.07E-07	2.58E-06	5.69E-07	7.75E-07	1.23E-06	2.12E-07	1.55E-07	5.63E-06
705	490636.72	3860185.12	9.67E-03	9.87E-03	9.85E-03	3.35E-06	1.01E-05	5.85E-06	5.97E-06	5.41E-06	2.42E-06	2.47E-06	1.12E-07	2.70E-06	5.96E-07	8.10E-07	1.29E-06	2.22E-07	1.63E-07	5.89E-06
706	490686.72	3860185.12	1.02E-02	1.04E-02	1.04E-02	3.53E-06	1.07E-05	6.17E-06	6.30E-06	5.71E-06	2.55E-06	2.60E-06	1.18E-07	2.85E-06	6.29E-07	8.55E-07	1.36E-06	2.34E-07	1.72E-07	6.21E-06
707	490736.72	3860185.12	1.07E-02	1.10E-02	1.09E-02	3.72E-06	1.12E-05	6.50E-06	6.63E-06	6.01E-06	2.69E-06	2.74E-06	1.24E-07	3.00E-06	6.62E-07	9.01E-07	1.43E-06	2.47E-07	1.81E-07	6.54E-06
708	490786.72	3860185.12	1.15E-02	1.17E-02	1.17E-02	3.96E-06	1.20E-05	6.93E-06	7.07E-06	6.41E-06	2.87E-06	2.92E-06	1.32E-07	3.20E-06	7.06E-07	9.60E-07	1.52E-06	2.63E-07	1.93E-07	6.97E-06
709	490836.72	3860185.12	1.23E-02	1.25E-02	1.25E-02	4.25E-06	1.28E-05	7.42E-06	7.58E-06	6.87E-06	3.07E-06	3.13E-06	1.42E-07	3.43E-06	7.56E-07	1.03E-06	1.63E-06	2.82E-07	2.06E-07	7.47E-06
710	490086.72	3860235.12	5.71E-03	5.83E-03	5.82E-03	1.98E-06	5.97E-06	3.46E-06	3.53E-06	3.20E-06	1.43E-06	1.46E-06	6.60E-08	1.59E-06	3.52E-07	4.79E-07	7.60E-07	1.31E-07	9.61E-08	3.48E-06
711	490136.72	3860235.12	5.93E-03	6.05E-03	6.04E-03	2.05E-06	6.20E-06	3.59E-06	3.66E-06	3.32E-06	1.48E-06	1.51E-06	6.85E-08	1.65E-06	3.65E-07	4.97E-07	7.88E-07	1.36E-07	9.97E-08	3.61E-06
712	490186.72	3860235.12	6.15E-03	6.28E-03	6.27E-03	2.13E-06	6.43E-06	3.72E-06	3.80E-06	3.44E-06	1.54E-06	1.57E-06	7.11E-08	1.72E-06	3.79E-07	5.16E-07	8.19E-07	1.41E-07	1.04E-07	3.75E-06
713	490236.72	3860235.12	6.38E-03	6.51E-03	6.50E-03	2.21E-06	6.67E-06	3.86E-06	3.94E-06	3.57E-06	1.60E-06	1.63E-06	7.37E-08	1.78E-06	3.93E-07	5.35E-07	8.48E-07	1.46E-07	1.07E-07	3.88E-06
714	490286.72	3860235.12	6.60E-03	6.74E-03	6.73E-03	2.29E-06	6.90E-06	4.00E-06	4.08E-06	3.70E-06	1.65E-06	1.68E-06	7.63E-08	1.84E-06	4.07E-07	5.54E-07	8.78E-07	1.52E-07	1.11E-07	4.02E-06
715	490336.72	3860235.12	6.85E-03	6.98E-03	6.98E-03	2.37E-06	7.15E-06	4.14E-06	4.23E-06	3.83E-06	1.71E-06	1.75E-06	7.91E-08	1.91E-06	4.22E-07	5.74E-07	9.10E-07	1.57E-07	1.15E-07	4.17E-06
716	490386.72	3860235.12	7.10E-03	7.24E-03	7.23E-03	2.46E-06	7.42E-06	4.29E-06	4.38E-06	3.97E-06	1.78E-06	1.81E-06	8.20E-08	1.98E-06	4.37E-07	5.95E-07	9.44E-07	1.63E-07	1.19E-07	4.32E-06
717	490436.72	3860235.12	7.37E-03	7.52E-03	7.51E-03	2.55E-06	7.70E-06	4.46E-06	4.55E-06	4.12E-06	1.84E-06	1.88E-06	8.51E-08	2.06E-06	4.54E-07	6.17E-07	9.79E-07	1.69E-07	1.24E-07	4.49E-06
718	490486.72	3860235.12	7.64E-03	7.79E-03	7.79E-03	2.64E-06	7.98E-06	4.62E-06	4.72E-06	4.28E-06	1.91E-06	1.95E-06	8.83E-08	2.13E-06	4.71E-07	6.40E-07	1.02E-06	1.75E-07	1.29E-07	4.65E-06
719	490536.72	3860235.12	7.95E-03	8.12E-03	8.11E-03	2.75E-06	8.31E-06	4.81E-06	4.91E-06	4.45E-06	1.99E-06	2.03E-06	9.19E-08	2.22E-06	4.90E-07	6.67E-07	1.06E-06	1.83E-07	1.34E-07	4.84E-06
720	490586.72	3860235.12	8.31E-03	8.48E-03	8.47E-03	2.88E-06	8.68E-06	5.03E-06	5.13E-06	4.65E-06	2.08E-06	2.12E-06	9.60E-08	2.32E-06	5.12E-07	6.96E-07	1.10E-06	1.91E-07	1.40E-07	5.06E-06
721	490636.72	3860235.12	8.69E-03	8.87E-03	8.86E-03	3.01E-06	9.08E-06	5.26E-06	5.37E-06	4.86E-06	2.18E-06	2.22E-06	1.00E-07	2.43E-06	5.35E-07	7.29E-07	1.16E-06	2.00E-07	1.46E-07	5.29E-06
722	490686.72	3860235.12	9.12E-03	9.31E-03	9.30E-03	3.16E-06	9.53E-06	5.52E-06	5.63E-06	5.10E-06	2.28E-06	2.33E-06	1.05E-07	2.55E-06	5.62E-07	7.65E-07	1.21E-06	2.09E-07	1.53E-07	5.55E-06
723	490736.72	3860235.12	9.59E-03	9.78E-03	9.77E-03	3.32E-06	1.00E-05	5.80E-06	5.92E-06	5.37E-06	2.40E-06	2.45E-06	1.11E-07	2.68E-06	5.91E-07	8.04E-07	1.27E-06	2.20E-07	1.61E-07	5.84E-06
724	490786.72	3860235.12	1.01E-02	1.03E-02	1.03E-02	3.50E-06	1.06E-05	6.12E-06	6.24E-06	5.66E-06	2.53E-06	2.58E-06	1.17E-07	2.82E-06	6.23E-07	8.47E-07	1.34E-06	2.32E-07	1.70E-07	6.16E-06
725	490086.72	3860285.12	5.29E-03	5.39E-03	5.39E-03	1.83E-06	5.52E-06	3.20E-06	3.26E-06	2.96E-06	1.32E-06	1.35E-06	6.11E-08	1.48E-06	3.26E-07	4.43E-07	7.03E-07	1.21E-07	8.89E-08	3.22E-06
726	490136.72	3860285.12	5.48E-03	5.59E-03	5.58E-03	1.90E-06	5.72E-06	3.31E-06	3.38E-06	3.07E-06	1.37E-06	1.40E-06	6.33E-08	1.53E-06	3.37E-07	4.59E-07	7.28E-07	1.26E-07	9.22E-08	3.34E-06
727	490186.72	3860285.12	5.67E-03	5.78E-03	5.77E-03	1.96E-06	5.92E-06	3.43E-06	3.50E-06	3.17E-06	1.42E-06	1.45E-06	6.55E-08	1.58E-06	3.49E-07	4.75E-07	7.53E-07	1.30E-07	9.53E-08	3.45E-06
728	490236.72	3860285.12	5.87E-03	5.99E-03	5.98E-03	2.03E-06	6.14E-06	3.55E-06	3.63E-06	3.29E-06	1.47E-06	1.50E-06	6.79E-08	1.64E-06	3.62E-07	4.92E-07	7.81E-07	1.35E-07	9.88E-08	3.58E-06
729	490286.72	3860285.12	6.07E-03	6.19E-03	6.18E-03	2.10E-06	6.34E-06	3.67E-06	3.75E-06	3.40E-06	1.52E-06	1.55E-06	7.01E-08	1.69E-06	3.74E-07	5.08E-07	8.07E-07	1.39E-07	1.02E-07	3.69E-06
730	490336.72	3860285.12	6.27E-03	6.40E-03	6.39E-03	2.17E-06	6.55E-06	3.79E-06	3.87E-06	3.51E-06	1.57E-06	1.60E-06	7.25E-08	1.75E-06	3.86E-07	5.26E-07	8.34E-07	1.44E-07	1.06E-07	3.82E-06
731	490386.72	3860285.12	6.50E-03	6.63E-03	6.62E-03	2.25E-06	6.79E-06	3.93E-06	4.01E-06	3.64E-06	1.63E-06	1.66E-06	7.51E-08	1.81E-06	4.00E-07	5.45E-07	8.64E-07	1.49E-07	1.09E-07	3.96E-06
732	490436.72	3860285.12	6.73E-03	6.87E-03	6.86E-03	2.33E-06	7.03E-06	4.07E-06	4.15E-06	3.77E-06	1.68E-06	1.72E-06	7.78E-08	1.88E-06	4.15E-07	5.64E-07	8.95E-07	1.55E-07	1.13E-07	4.10E-06
733	490486.72	3860285.12	6.98E-03	7.12E-03	7.11E-03	2.42E-06	7.29E-06	4.22E-06	4.31E-06	3.91E-06	1.75E-06	1.78E-06	8.07E-08	1.95E-06	4.30E-07	5.85E-07	9.28E-07	1.60E-07	1.17E-07	4.25E-06
734	490536.72	3860285.12	7.23E-03	7.38E-03	7.37E-03	2.50E-06	7.56E-06	4.38E-06	4.47E-06	4.05E-06	1.81E-06	1.85E-06	8.36E-08	2.02E-06	4.46E-07	6.06E-07	9.62E-07	1.66E-07	1.22E-07	4.41E-06

735	490586.72	3860285.12	7.52E-03	7.67E-03	7.66E-03	2.60E-06	7.86E-06	4.55E-06	4.64E-06	4.21E-06	1.88E-06	1.92E-06	8.69E-08	2.10E-06	4.63E-07	6.30E-07	1.00E-06	1.73E-07	1.27E-07	4.58E-06
736	490636.72	3860285.12	7.85E-03	8.01E-03	8.00E-03	2.72E-06	8.20E-06	4.75E-06	4.85E-06	4.39E-06	1.96E-06	2.00E-06	9.07E-08	2.19E-06	4.84E-07	6.58E-07	1.04E-06	1.80E-07	1.32E-07	4.78E-06
737	490686.72	3860285.12	8.22E-03	8.39E-03	8.38E-03	2.85E-06	8.59E-06	4.97E-06	5.08E-06	4.60E-06	2.06E-06	2.10E-06	9.50E-08	2.30E-06	5.06E-07	6.89E-07	1.09E-06	1.89E-07	1.38E-07	5.01E-06
738	490736.72	3860285.12	8.62E-03	8.79E-03	8.78E-03	2.98E-06	9.01E-06	5.21E-06	5.32E-06	4.82E-06	2.16E-06	2.20E-06	9.96E-08	2.41E-06	5.31E-07	7.22E-07	1.15E-06	1.98E-07	1.45E-07	5.25E-06
739	490786.72	3860285.12	9.07E-03	9.26E-03	9.25E-03	3.14E-06	9.48E-06	5.49E-06	5.60E-06	5.08E-06	2.27E-06	2.31E-06	1.05E-07	2.53E-06	5.59E-07	7.61E-07	1.21E-06	2.08E-07	1.53E-07	5.53E-06
740	490086.72	3860335.12	4.91E-03	5.01E-03	5.01E-03	1.70E-06	5.13E-06	2.97E-06	3.03E-06	2.75E-06	1.23E-06	1.25E-06	5.68E-08	1.37E-06	3.03E-07	4.12E-07	6.53E-07	1.13E-07	8.26E-08	2.99E-06
741	490136.72	3860335.12	5.08E-03	5.19E-03	5.18E-03	1.76E-06	5.31E-06	3.08E-06	3.14E-06	2.85E-06	1.27E-06	1.30E-06	5.88E-08	1.42E-06	3.13E-07	4.26E-07	6.76E-07	1.17E-07	8.55E-08	3.10E-06
742	490186.72	3860335.12	5.25E-03	5.36E-03	5.35E-03	1.82E-06	5.49E-06	3.18E-06	3.24E-06	2.94E-06	1.31E-06	1.34E-06	6.07E-08	1.47E-06	3.23E-07	4.40E-07	6.98E-07	1.21E-07	8.83E-08	3.20E-06
743	490236.72	3860335.12	5.43E-03	5.54E-03	5.54E-03	1.88E-06	5.68E-06	3.29E-06	3.35E-06	3.04E-06	1.36E-06	1.39E-06	6.28E-08	1.52E-06	3.35E-07	4.55E-07	7.22E-07	1.25E-07	9.14E-08	3.31E-06
744	490286.72	3860335.12	5.60E-03	5.72E-03	5.71E-03	1.94E-06	5.86E-06	3.39E-06	3.46E-06	3.14E-06	1.40E-06	1.43E-06	6.48E-08	1.56E-06	3.45E-07	4.70E-07	7.45E-07	1.29E-07	9.43E-08	3.41E-06
745	490336.72	3860335.12	5.78E-03	5.90E-03	5.89E-03	2.00E-06	6.04E-06	3.50E-06	3.57E-06	3.24E-06	1.45E-06	1.47E-06	6.68E-08	1.61E-06	3.56E-07	4.85E-07	7.69E-07	1.33E-07	9.73E-08	3.52E-06
746	490386.72	3860335.12	5.98E-03	6.10E-03	6.09E-03	2.07E-06	6.25E-06	3.62E-06	3.69E-06	3.34E-06	1.50E-06	1.52E-06	6.91E-08	1.67E-06	3.68E-07	5.01E-07	7.95E-07	1.37E-07	1.01E-07	3.64E-06
747	490436.72	3860335.12	6.18E-03	6.31E-03	6.30E-03	2.14E-06	6.46E-06	3.74E-06	3.82E-06	3.46E-06	1.55E-06	1.58E-06	7.15E-08	1.73E-06	3.81E-07	5.18E-07	8.22E-07	1.42E-07	1.04E-07	3.77E-06
748	490486.72	3860335.12	6.40E-03	6.53E-03	6.52E-03	2.21E-06	6.69E-06	3.87E-06	3.95E-06	3.58E-06	1.60E-06	1.63E-06	7.40E-08	1.79E-06	3.94E-07	5.36E-07	8.51E-07	1.47E-07	1.08E-07	3.90E-06
749	490536.72	3860335.12	6.64E-03	6.78E-03	6.77E-03	2.30E-06	6.94E-06	4.02E-06	4.10E-06	3.72E-06	1.66E-06	1.69E-06	7.68E-08	1.85E-06	4.09E-07	5.57E-07	8.83E-07	1.53E-07	1.12E-07	4.04E-06
750	490586.72	3860335.12	6.88E-03	7.02E-03	7.01E-03	2.38E-06	7.19E-06	4.16E-06	4.25E-06	3.85E-06	1.72E-06	1.75E-06	7.95E-08	1.92E-06	4.24E-07	5.77E-07	9.15E-07	1.58E-07	1.16E-07	4.19E-06
751	490636.72	3860335.12	7.16E-03	7.30E-03	7.29E-03	2.48E-06	7.48E-06	4.33E-06	4.42E-06	4.00E-06	1.79E-06	1.83E-06	8.27E-08	2.00E-06	4.41E-07	6.00E-07	9.52E-07	1.64E-07	1.20E-07	4.36E-06
752	490686.72	3860335.12	7.46E-03	7.61E-03	7.61E-03	2.58E-06	7.80E-06	4.52E-06	4.61E-06	4.18E-06	1.87E-06	1.90E-06	8.63E-08	2.08E-06	4.60E-07	6.26E-07	9.92E-07	1.71E-07	1.26E-07	4.54E-06
753	490736.72	3860335.12	7.80E-03	7.96E-03	7.95E-03	2.70E-06	8.16E-06	4.72E-06	4.82E-06	4.37E-06	1.95E-06	1.99E-06	9.02E-08	2.18E-06	4.81E-07	6.54E-07	1.04E-06	1.79E-07	1.31E-07	4.75E-06
754	490786.72	3860335.12	8.22E-03	8.38E-03	8.37E-03	2.84E-06	8.59E-06	4.97E-06	5.07E-06	4.60E-06	2.06E-06	2.10E-06	9.50E-08	2.29E-06	5.06E-07	6.89E-07	1.09E-06	1.89E-07	1.38E-07	5.00E-06
755	490086.72	3860385.12	4.58E-03	4.68E-03	4.67E-03	1.59E-06	4.79E-06	2.77E-06	2.83E-06	2.57E-06	1.15E-06	1.17E-06	5.30E-08	1.28E-06	2.82E-07	3.84E-07	6.10E-07	1.05E-07	7.71E-08	2.79E-06
756	490136.72	3860385.12	4.74E-03	4.84E-03	4.83E-03	1.64E-06	4.95E-06	2.87E-06	2.93E-06	2.65E-06	1.19E-06	1.21E-06	5.48E-08	1.32E-06	2.92E-07	3.97E-07	6.30E-07	1.09E-07	7.97E-08	2.89E-06
757	490186.72	3860385.12	4.88E-03	4.98E-03	4.97E-03	1.69E-06	5.10E-06	2.95E-06	3.01E-06	2.73E-06	1.22E-06	1.24E-06	5.64E-08	1.36E-06	3.01E-07	4.09E-07	6.49E-07	1.12E-07	8.21E-08	2.97E-06
758	490236.72	3860385.12	5.04E-03	5.14E-03	5.13E-03	1.74E-06	5.27E-06	3.05E-06	3.11E-06	2.82E-06	1.26E-06	1.29E-06	5.82E-08	1.41E-06	3.10E-07	4.22E-07	6.70E-07	1.16E-07	8.48E-08	3.07E-06
759	490286.72	3860385.12	5.19E-03	5.30E-03	5.29E-03	1.80E-06	5.43E-06	3.14E-06	3.21E-06	2.91E-06	1.30E-06	1.32E-06	6.00E-08	1.45E-06	3.20E-07	4.35E-07	6.91E-07	1.19E-07	8.74E-08	3.16E-06
760	490336.72	3860385.12	5.36E-03	5.46E-03	5.46E-03	1.85E-06	5.60E-06	3.24E-06	3.31E-06	3.00E-06	1.34E-06	1.37E-06	6.19E-08	1.50E-06	3.30E-07	4.49E-07	7.12E-07	1.23E-07	9.01E-08	3.26E-06
761	490386.72	3860385.12	5.52E-03	5.64E-03	5.63E-03	1.91E-06	5.77E-06	3.34E-06	3.41E-06	3.09E-06	1.38E-06	1.41E-06	6.39E-08	1.54E-06	3.40E-07	4.63E-07	7.35E-07	1.27E-07	9.29E-08	3.36E-06
762	490436.72	3860385.12	5.71E-03	5.82E-03	5.81E-03	1.97E-06	5.96E-06	3.45E-06	3.52E-06	3.19E-06	1.43E-06	1.46E-06	6.59E-08	1.59E-06	3.52E-07	4.78E-07	7.59E-07	1.31E-07	9.60E-08	3.47E-06
763	490486.72	3860385.12	5.90E-03	6.03E-03	6.02E-03	2.04E-06	6.17E-06	3.57E-06	3.65E-06	3.30E-06	1.48E-06	1.51E-06	6.83E-08	1.65E-06	3.64E-07	4.95E-07	7.85E-07	1.36E-07	9.94E-08	3.60E-06
764	490536.72	3860385.12	6.11E-03	6.24E-03	6.23E-03	2.12E-06	6.39E-06	3.70E-06	3.77E-06	3.42E-06	1.53E-06	1.56E-06	7.07E-08	1.71E-06	3.77E-07	5.12E-07	8.13E-07	1.40E-07	1.03E-07	3.72E-06
765	490586.72	3860385.12	6.33E-03	6.46E-03	6.45E-03	2.19E-06	6.62E-06	3.83E-06	3.91E-06	3.54E-06	1.58E-06	1.62E-06	7.32E-08	1.77E-06	3.90E-07	5.31E-07	8.42E-07	1.45E-07	1.07E-07	3.86E-06
766	490636.72	3860385.12	6.56E-03	6.70E-03	6.69E-03	2.27E-06	6.86E-06	3.97E-06	4.05E-06	3.67E-06	1.64E-06	1.67E-06	7.59E-08	1.83E-06	4.04E-07	5.50E-07	8.73E-07	1.51E-07	1.10E-07	4.00E-06
767	490686.72	3860385.12	6.83E-03	6.97E-03	6.96E-03	2.36E-06	7.14E-06	4.13E-06	4.22E-06	3.82E-06	1.71E-06	1.74E-06	7.90E-08	1.91E-06	4.21E-07	5.73E-07	9.08E-07	1.57E-07	1.15E-07	4.16E-06
768	490736.72	3860385.12	7.11E-03	7.25E-03	7.24E-03	2.46E-06	7.43E-06	4.30E-06	4.39E-06	3.98E-06	1.78E-06	1.81E-06	8.21E-08	1.98E-06	4.38E-07	5.96E-07	9.45E-07	1.63E-07	1.20E-07	4.33E-06
769	490786.72	3860385.12	7.43E-03	7.58E-03	7.57E-03	2.57E-06	7.76E-06	4.49E-06	4.59E-06	4.16E-06	1.86E-06	1.89E-06	8.58E-08	2.07E-06	4.58E-07	6.23E-07	9.88E-07	1.71E-07	1.25E-07	4.52E-06
770	490136.72	3860435.12	4.42E-03	4.51E-03	4.51E-03	1.53E-06	4.62E-06	2.67E-06	2.73E-06	2.47E-06	1.11E-06	1.13E-06	5.11E-08	1.23E-06	2.72E-07	3.71E-07	5.88E-07	1.02E-07	7.44E-08	2.69E-06
771	490186.72	3860435.12	4.56E-03	4.65E-03	4.65E-03	1.58E-06	4.76E-06	2.76E-06	2.81E-06	2.55E-06	1.14E-06	1.16E-06	5.27E-08	1.27E-06	2.81E-07	3.82E-07	6.06E-07	1.05E-07	7.67E-08	2.78E-06
772	490236.72	3860435.12	4.69E-03	4.79E-03	4.78E-03	1.62E-06	4.91E-06	2.84E-06	2.90E-06	2.63E-06	1.17E-06	1.20E-06	5.43E-08	1.31E-06	2.89E-07	3.94E-07	6.24E-07	1.08E-07	7.90E-08	2.86E-06
773	490286.72	3860435.12	4.83E-03	4.93E-03	4.93E-03	1.67E-06	5.05E-06	2.92E-06	2.98E-06	2.71E-06	1.21E-06	1.23E-06	5.59E-08	1.35E-06	2.98E-07	4.05E-07	6.43E-07	1.11E-07	8.13E-08	2.94E-06
774	490336.72	3860435.12	4.97E-03	5.07E-03	5.07E-03	1.72E-06	5.20E-06	3.01E-06	3.07E-06	2.78E-06	1.24E-06	1.27E-06	5.75E-08	1.39E-06	3.06E-07	4.17E-07	6.61E-07	1.14E-07	8.36E-08	3.03E-06
775	490386.72	3860435.12	5.13E-03	5.23E-03	5.22E-03	1.77E-06	5.36E-06	3.10E-06	3.16E-06	2.87E-06	1.28E-06	1.31E-06	5.92E-08	1.43E-06	3.16E-07	4.30E-07	6.82E-07	1.18E-07	8.62E-08	3.12E-06
776	490436.72	3860435.12	5.29E-03	5.39E-03	5.39E-03	1.83E-06	5.53E-06	3.20E-06	3.26E-06	2.96E-06	1.32E-06	1.35E-06	6.11E-08	1.48E-06	3.26E-07	4.43E-07	7.03E-07	1.21E-07	8.89E-08	3.22E-06
777	490486.72	3860435.12	5.46E-03	5.57E-03	5.56E-03	1.89E-06	5.70E-06	3.30E-06	3.37E-06	3.05E-06	1.37E-06	1.39E-06	6.31E-08	1.52E-06	3.36E-07	4.57E-07	7.26E-07	1.25E-07	9.18E-08	3.32E-06
778	490536.72	3860435.12	5.64E-03	5.76E-03	5.75E-03	1.95E-06	5.90E-06	3.41E-06	3.48E-06	3.16E-06	1.41E-06	1.44E-06	6.52E-08	1.58E-06	3.48E-07	4.73E-07	7.51E-07	1.30E-07	9.50E-08	3.44E-06
779	490586.72	3860435.12	5.83E-03	5.95E-03	5.95E-03	2.02E-06	6.10E-06	3.53E-06	3.60E-06	3.27E-06	1.46E-06	1.49E-06	6.74E-08	1.63E-06	3.59E-07	4.89E-07	7.76E-07	1.34E-07	9.82E-08	3.55E-06
780	490636.72	3860435.12	6.03E-03	6.16E-03	6.15E-03	2.09E-06	6.31E-06	3.65E-06	3.73E-06	3.38E-06	1.51E-06	1.54E-06	6.98E-08	1.68E-06	3.72E-07	5.06E-07	8.02E-07	1.39E-07	1.02E-07	3.67E-06
781	490686.72	3860435.12	6.26E-03	6.39E-03	6.38E-03	2.17E-06	6.55E-06	3.79E-06	3.87E-06	3.50E-06	1.57E-06	1.60E-06	7.24E-08	1.75E-06	3.86E-07	5.25E-07	8.33E-07	1.44E-07	1.05E-07	3.81E-06
782	490736.72	3860435.12	6.52E-03	6.65E-03	6.65E-03	2.26E-06	6.82E-06	3.95E-06	4.03E-06	3.65E-06	1.63E-06	1.66E-06	7.54E-08	1.82E-06	4.02E-07	5.47E-07	8.67E-07	1.50E-07	1.10E-07	3.97E-06
783	490786.72	3860435.12	6.78E-03	6.92E-03	6.91E-03	2.35E-06	7.09E-06	4.10E-06	4.19E-06	3.80E-06	1.70E-06	1.73E-06	7.84E-08	1.89E-06	4.18E-07	5.69E-07	9.02E-07	1.56E-07	1.14E-07	4.13E-06
784	490136.72	3860485.12	4.16E-03	4.24E-03	4.24E-03	1.44E-06	4.34E-06	2.51E-06	2.57E-06	2.33E-06	1.04E-06	1.06E-06	4.80E-08	1.16E-06	2.56E-07	3.48E-07	5.53E-07	9.55E-08	6.99E-08	2.53E-06
785	490186.72	3860485.12	4.27E-03	4.36E-03	4.35E-03	1.48E-06	4.47E-06	2.59E-06	2.64E-06	2.39E-06	1.07E-06	1.09E-06	4.94E-08	1.19E-06	2.63E-07	3.58E-07	5.68E-07	9.81E-08	7.19E-08	2.60E-06
786	490236.72	3860485.12	4.39E-03	4.48E-03	4.47E-03	1.52E-06	4.59E-06	2.65E-06	2.71E-06	2.46E-06	1.10E-06	1.12E-06	5.07E-08	1.23E-06	2.70E-07	3.68E-07	5.83E-07	1.01E-07	7.38E-08	2.67E-06
787	490286.72	3860485.12	4.52E-03	4.61E-03	4.60E-03	1.56E-06	4.72E-06	2.73E-06	2.79E-06	2.53E-06	1.13E-06	1.15E-06	5.22E-08	1.26E-06	2.78E-07	3.79E-07	6.01E-07	1.04E-07	7.60E-08	2.75E-06
788	490336.72	3860485.12	4.64E-03	4.73E-03	4.73E-03	1.61E-06	4.85E-06	2.81E-06	2.86E-06	2.60E-06	1.16E-06	1.18E-06	5.36E-08	1.30E-06	2.86E-07	3.89E-07	6.17E-07	1.07E-07	7.81E-08	2.83E-06
789	490386.72	3860485.12	4.78E-03	4.88E-03	4.87E-03	1.65E-06	4.99E-06	2.89E-06	2.95E-06	2.67E-06	1.20E-06	1.22E-06	5.52E-08	1.33E-06	2.94E-07	4.01E-07	6.35E-07	1.10E-07	8.04E-08	2.91E-06
790	490436.72	3860485.12	4.93E-03	5.03E-03	5.03E-03	1.71E-06	5.16E-06	2.99E-06	3.05E-06	2.76E-06	1.23E-06	1.26E-06	5.70E-08	1.38E-06	3.04E-07	4.14E-07	6.56E-07	1.13E-07	8.30E-08	3.00E-06
791	490486.72	3860485.12	5.08E-03	5.18E-03	5.18E-03	1.76E-06	5.31E-06	3.07E-06	3.14E-06	2.84E-06	1.27E-06	1.30E-06	5.87E-08	1.42E-06	3.13E-07	4.26E-07	6.75E-07	1.17E-07	8.54E-08	3.09E-06

792	490536.72	3860485.12	5.23E-03	5.33E-03	5.33E-03	1.81E-06	5.46E-06	3.16E-06	3.23E-06	2.93E-06	1.31E-06	1.33E-06	6.04E-08	1.46E-06	3.22E-07	4.38E-07	6.95E-07	1.20E-07	8.80E-08	3.18E-06
793	490586.72	3860485.12	5.39E-03	5.50E-03	5.49E-03	1.87E-06	5.63E-06	3.26E-06	3.33E-06	3.02E-06	1.35E-06	1.38E-06	6.23E-08	1.51E-06	3.32E-07	4.52E-07	7.17E-07	1.24E-07	9.07E-08	3.28E-06
794	490636.72	3860485.12	5.58E-03	5.69E-03	5.69E-03	1.93E-06	5.83E-06	3.38E-06	3.44E-06	3.12E-06	1.40E-06	1.42E-06	6.45E-08	1.56E-06	3.44E-07	4.68E-07	7.42E-07	1.28E-07	9.39E-08	3.40E-06
795	490686.72	3860485.12	5.76E-03	5.88E-03	5.87E-03	1.99E-06	6.02E-06	3.49E-06	3.56E-06	3.23E-06	1.44E-06	1.47E-06	6.66E-08	1.61E-06	3.55E-07	4.83E-07	7.66E-07	1.32E-07	9.70E-08	3.51E-06
796	490736.72	3860485.12	5.98E-03	6.10E-03	6.10E-03	2.07E-06	6.25E-06	3.62E-06	3.69E-06	3.35E-06	1.50E-06	1.53E-06	6.91E-08	1.67E-06	3.68E-07	5.01E-07	7.95E-07	1.37E-07	1.01E-07	3.64E-06
797	490786.72	3860485.12	6.21E-03	6.34E-03	6.33E-03	2.15E-06	6.49E-06	3.76E-06	3.84E-06	3.48E-06	1.56E-06	1.58E-06	7.18E-08	1.73E-06	3.83E-07	5.21E-07	8.26E-07	1.43E-07	1.05E-07	3.78E-06
798	490136.72	3860535.12	3.91E-03	3.99E-03	3.99E-03	1.35E-06	4.09E-06	2.37E-06	2.42E-06	2.19E-06	9.79E-07	9.98E-07	4.52E-08	1.09E-06	2.41E-07	3.28E-07	5.20E-07	8.99E-08	6.58E-08	2.38E-06
799	490186.72	3860535.12	4.04E-03	4.12E-03	4.11E-03	1.40E-06	4.22E-06	2.44E-06	2.49E-06	2.26E-06	1.01E-06	1.03E-06	4.66E-08	1.13E-06	2.49E-07	3.38E-07	5.37E-07	9.27E-08	6.79E-08	2.46E-06
800	490236.72	3860535.12	4.12E-03	4.21E-03	4.20E-03	1.43E-06	4.31E-06	2.49E-06	2.54E-06	2.31E-06	1.03E-06	1.05E-06	4.76E-08	1.15E-06	2.54E-07	3.45E-07	5.48E-07	9.47E-08	6.93E-08	2.51E-06
801	490286.72	3860535.12	4.23E-03	4.31E-03	4.31E-03	1.46E-06	4.42E-06	2.56E-06	2.61E-06	2.37E-06	1.06E-06	1.08E-06	4.88E-08	1.18E-06	2.60E-07	3.54E-07	5.62E-07	9.71E-08	7.11E-08	2.57E-06
802	490336.72	3860535.12	4.34E-03	4.43E-03	4.43E-03	1.50E-06	4.54E-06	2.63E-06	2.68E-06	2.43E-06	1.09E-06	1.11E-06	5.02E-08	1.21E-06	2.68E-07	3.64E-07	5.78E-07	9.98E-08	7.31E-08	2.65E-06
803	490386.72	3860535.12	4.48E-03	4.57E-03	4.56E-03	1.55E-06	4.68E-06	2.71E-06	2.76E-06	2.50E-06	1.12E-06	1.14E-06	5.17E-08	1.25E-06	2.76E-07	3.75E-07	5.95E-07	1.03E-07	7.53E-08	2.73E-06
804	490436.72	3860535.12	4.61E-03	4.70E-03	4.70E-03	1.60E-06	4.82E-06	2.79E-06	2.85E-06	2.58E-06	1.15E-06	1.18E-06	5.33E-08	1.29E-06	2.84E-07	3.86E-07	6.13E-07	1.06E-07	7.76E-08	2.81E-06
805	490486.72	3860535.12	4.75E-03	4.84E-03	4.84E-03	1.64E-06	4.96E-06	2.87E-06	2.93E-06	2.66E-06	1.19E-06	1.21E-06	5.49E-08	1.33E-06	2.92E-07	3.98E-07	6.31E-07	1.09E-07	7.99E-08	2.89E-06
806	490536.72	3860535.12	4.92E-03	5.02E-03	5.02E-03	1.70E-06	5.14E-06	2.98E-06	3.04E-06	2.75E-06	1.23E-06	1.26E-06	5.69E-08	1.37E-06	3.03E-07	4.13E-07	6.54E-07	1.13E-07	8.28E-08	3.00E-06
807	490586.72	3860535.12	5.02E-03	5.12E-03	5.12E-03	1.74E-06	5.25E-06	3.04E-06	3.10E-06	2.81E-06	1.26E-06	1.28E-06	5.80E-08	1.40E-06	3.09E-07	4.21E-07	6.67E-07	1.15E-07	8.44E-08	3.06E-06
808	490636.72	3860535.12	5.17E-03	5.27E-03	5.27E-03	1.79E-06	5.40E-06	3.13E-06	3.19E-06	2.89E-06	1.29E-06	1.32E-06	5.97E-08	1.44E-06	3.18E-07	4.33E-07	6.87E-07	1.19E-07	8.70E-08	3.15E-06
809	490686.72	3860535.12	5.34E-03	5.45E-03	5.44E-03	1.85E-06	5.58E-06	3.23E-06	3.30E-06	2.99E-06	1.34E-06	1.36E-06	6.17E-08	1.49E-06	3.29E-07	4.47E-07	7.10E-07	1.23E-07	8.98E-08	3.25E-06
810	490736.72	3860535.12	5.51E-03	5.62E-03	5.62E-03	1.91E-06	5.76E-06	3.33E-06	3.40E-06	3.08E-06	1.38E-06	1.41E-06	6.37E-08	1.54E-06	3.40E-07	4.62E-07	7.33E-07	1.27E-07	9.27E-08	3.36E-06
811	490786.72	3860535.12	5.71E-03	5.83E-03	5.82E-03	1.98E-06	5.97E-06	3.46E-06	3.53E-06	3.20E-06	1.43E-06	1.46E-06	6.61E-08	1.60E-06	3.52E-07	4.79E-07	7.60E-07	1.31E-07	9.62E-08	3.48E-06
812	490136.72	3860585.12	3.71E-03	3.78E-03	3.78E-03	1.28E-06	3.88E-06	2.24E-06	2.29E-06	2.08E-06	9.28E-07	9.46E-07	4.29E-08	1.04E-06	2.28E-07	3.11E-07	4.93E-07	8.52E-08	6.24E-08	2.26E-06
813	490186.72	3860585.12	3.75E-03	3.83E-03	3.83E-03	1.30E-06	3.92E-06	2.27E-06	2.32E-06	2.10E-06	9.40E-07	9.58E-07	4.34E-08	1.05E-06	2.31E-07	3.15E-07	4.99E-07	8.62E-08	6.32E-08	2.29E-06
814	490236.72	3860585.12	3.86E-03	3.94E-03	3.94E-03	1.34E-06	4.04E-06	2.34E-06	2.39E-06	2.16E-06	9.67E-07	9.86E-07	4.47E-08	1.08E-06	2.38E-07	3.24E-07	5.14E-07	8.88E-08	6.50E-08	2.35E-06
815	490286.72	3860585.12	3.97E-03	4.05E-03	4.05E-03	1.38E-06	4.15E-06	2.40E-06	2.45E-06	2.22E-06	9.94E-07	1.01E-06	4.59E-08	1.11E-06	2.45E-07	3.33E-07	5.28E-07	9.12E-08	6.68E-08	2.42E-06
816	490336.72	3860585.12	4.08E-03	4.16E-03	4.15E-03	1.41E-06	4.26E-06	2.47E-06	2.52E-06	2.28E-06	1.02E-06	1.04E-06	4.71E-08	1.14E-06	2.51E-07	3.42E-07	5.42E-07	9.36E-08	6.86E-08	2.48E-06
817	490386.72	3860585.12	4.18E-03	4.27E-03	4.26E-03	1.45E-06	4.37E-06	2.53E-06	2.58E-06	2.34E-06	1.05E-06	1.07E-06	4.83E-08	1.17E-06	2.58E-07	3.51E-07	5.56E-07	9.61E-08	7.04E-08	2.55E-06
818	490436.72	3860585.12	4.33E-03	4.42E-03	4.41E-03	1.50E-06	4.53E-06	2.62E-06	2.67E-06	2.42E-06	1.08E-06	1.10E-06	5.01E-08	1.21E-06	2.67E-07	3.63E-07	5.76E-07	9.95E-08	7.29E-08	2.64E-06
819	490486.72	3860585.12	4.48E-03	4.57E-03	4.56E-03	1.55E-06	4.68E-06	2.71E-06	2.76E-06	2.51E-06	1.12E-06	1.14E-06	5.18E-08	1.25E-06	2.76E-07	3.75E-07	5.95E-07	1.03E-07	7.53E-08	2.73E-06
820	490536.72	3860585.12	4.59E-03	4.69E-03	4.68E-03	1.59E-06	4.80E-06	2.78E-06	2.84E-06	2.57E-06	1.15E-06	1.17E-06	5.31E-08	1.28E-06	2.83E-07	3.85E-07	6.11E-07	1.06E-07	7.73E-08	2.80E-06
821	490586.72	3860585.12	4.66E-03	4.76E-03	4.75E-03	1.61E-06	4.87E-06	2.82E-06	2.88E-06	2.61E-06	1.17E-06	1.19E-06	5.39E-08	1.30E-06	2.87E-07	3.91E-07	6.20E-07	1.07E-07	7.84E-08	2.84E-06
822	490636.72	3860585.12	4.80E-03	4.90E-03	4.89E-03	1.66E-06	5.02E-06	2.91E-06	2.96E-06	2.69E-06	1.20E-06	1.22E-06	5.55E-08	1.34E-06	2.96E-07	4.02E-07	6.38E-07	1.10E-07	8.08E-08	2.92E-06
823	490686.72	3860585.12	4.95E-03	5.05E-03	5.04E-03	1.71E-06	5.17E-06	2.99E-06	3.05E-06	2.77E-06	1.24E-06	1.26E-06	5.72E-08	1.38E-06	3.05E-07	4.15E-07	6.58E-07	1.14E-07	8.32E-08	3.01E-06
824	490736.72	3860585.12	5.10E-03	5.21E-03	5.20E-03	1.77E-06	5.33E-06	3.09E-06	3.15E-06	2.86E-06	1.28E-06	1.30E-06	5.90E-08	1.42E-06	3.14E-07	4.28E-07	6.78E-07	1.17E-07	8.58E-08	3.11E-06
825	490786.72	3860585.12	5.26E-03	5.37E-03	5.36E-03	1.82E-06	5.50E-06	3.18E-06	3.25E-06	2.95E-06	1.32E-06	1.34E-06	6.08E-08	1.47E-06	3.24E-07	4.41E-07	7.00E-07	1.21E-07	8.85E-08	3.20E-06
826	490136.72	3860635.12	3.53E-03	3.60E-03	3.60E-03	1.22E-06	3.69E-06	2.14E-06	2.18E-06	1.98E-06	8.84E-07	9.01E-07	4.08E-08	9.86E-07	2.18E-07	2.96E-07	4.70E-07	8.11E-08	5.94E-08	2.15E-06
827	490186.72	3860635.12	3.59E-03	3.66E-03	3.66E-03	1.24E-06	3.75E-06	2.17E-06	2.22E-06	2.01E-06	8.99E-07	9.16E-07	4.15E-08	1.00E-06	2.21E-07	3.01E-07	4.78E-07	8.25E-08	6.04E-08	2.19E-06
828	490236.72	3860635.12	3.65E-03	3.72E-03	3.72E-03	1.26E-06	3.81E-06	2.21E-06	2.25E-06	2.04E-06	9.13E-07	9.31E-07	4.22E-08	1.02E-06	2.25E-07	3.06E-07	4.85E-07	8.38E-08	6.14E-08	2.22E-06
829	490286.72	3860635.12	3.73E-03	3.81E-03	3.80E-03	1.29E-06	3.90E-06	2.26E-06	2.30E-06	2.09E-06	9.34E-07	9.52E-07	4.31E-08	1.04E-06	2.30E-07	3.13E-07	4.96E-07	8.57E-08	6.28E-08	2.27E-06
830	490336.72	3860635.12	3.83E-03	3.91E-03	3.90E-03	1.33E-06	4.00E-06	2.32E-06	2.36E-06	2.14E-06	9.59E-07	9.77E-07	4.43E-08	1.07E-06	2.36E-07	3.21E-07	5.09E-07	8.80E-08	6.44E-08	2.33E-06
831	490386.72	3860635.12	3.93E-03	4.01E-03	4.01E-03	1.36E-06	4.11E-06	2.38E-06	2.43E-06	2.20E-06	9.84E-07	1.00E-06	4.54E-08	1.10E-06	2.42E-07	3.29E-07	5.23E-07	9.03E-08	6.61E-08	2.39E-06
832	490436.72	3860635.12	4.03E-03	4.11E-03	4.11E-03	1.39E-06	4.21E-06	2.44E-06	2.49E-06	2.25E-06	1.01E-06	1.03E-06	4.66E-08	1.12E-06	2.48E-07	3.38E-07	5.36E-07	9.25E-08	6.78E-08	2.45E-06
833	490486.72	3860635.12	4.14E-03	4.22E-03	4.22E-03	1.43E-06	4.32E-06	2.50E-06	2.55E-06	2.32E-06	1.04E-06	1.06E-06	4.78E-08	1.16E-06	2.55E-07	3.47E-07	5.50E-07	9.50E-08	6.96E-08	2.52E-06
834	490536.72	3860635.12	4.27E-03	4.35E-03	4.35E-03	1.48E-06	4.46E-06	2.58E-06	2.63E-06	2.39E-06	1.07E-06	1.09E-06	4.93E-08	1.19E-06	2.63E-07	3.58E-07	5.67E-07	9.80E-08	7.18E-08	2.60E-06
835	490586.72	3860635.12	4.36E-03	4.45E-03	4.44E-03	1.51E-06	4.56E-06	2.64E-06	2.69E-06	2.44E-06	1.09E-06	1.11E-06	5.04E-08	1.22E-06	2.69E-07	3.65E-07	5.80E-07	1.00E-07	7.34E-08	2.66E-06
836	490636.72	3860635.12	4.48E-03	4.58E-03	4.57E-03	1.55E-06	4.69E-06	2.71E-06	2.77E-06	2.51E-06	1.12E-06	1.14E-06	5.18E-08	1.25E-06	2.76E-07	3.76E-07	5.96E-07	1.03E-07	7.54E-08	2.73E-06
837	490686.72	3860635.12	4.61E-03	4.70E-03	4.70E-03	1.60E-06	4.82E-06	2.79E-06	2.85E-06	2.58E-06	1.15E-06	1.18E-06	5.33E-08	1.29E-06	2.84E-07	3.86E-07	6.13E-07	1.06E-07	7.75E-08	2.81E-06
838	490736.72	3860635.12	4.73E-03	4.82E-03	4.82E-03	1.64E-06	4.94E-06	2.86E-06	2.92E-06	2.65E-06	1.18E-06	1.21E-06	5.46E-08	1.32E-06	2.91E-07	3.96E-07	6.29E-07	1.09E-07	7.95E-08	2.88E-06
839	490786.72	3860635.12	4.87E-03	4.97E-03	4.96E-03	1.69E-06	5.09E-06	2.95E-06	3.01E-06	2.73E-06	1.22E-06	1.24E-06	5.63E-08	1.36E-06	3.00E-07	4.08E-07	6.48E-07	1.12E-07	8.20E-08	2.97E-06
840	490136.72	3860685.12	3.33E-03	3.40E-03	3.40E-03	1.15E-06	3.48E-06	2.02E-06	2.06E-06	1.87E-06	8.34E-07	8.50E-07	3.85E-08	9.31E-07	2.05E-07	2.79E-07	4.43E-07	7.66E-08	5.61E-08	2.03E-06
841	490186.72	3860685.12	3.43E-03	3.50E-03	3.50E-03	1.19E-06	3.59E-06	2.08E-06	2.12E-06	1.92E-06	8.59E-07	8.76E-07	3.97E-08	9.59E-07	2.12E-07	2.88E-07	4.57E-07	7.89E-08	5.78E-08	2.09E-06
842	490236.72	3860685.12	3.48E-03	3.55E-03	3.55E-03	1.21E-06	3.64E-06	2.11E-06	2.15E-06	1.95E-06	8.71E-07	8.88E-07	4.03E-08	9.72E-07	2.15E-07	2.92E-07	4.63E-07	8.00E-08	5.86E-08	2.12E-06
843	490286.72	3860685.12	3.51E-03	3.58E-03	3.58E-03	1.22E-06	3.67E-06	2.13E-06	2.17E-06	1.97E-06	8.79E-07	8.96E-07	4.06E-08	9.81E-07	2.16E-07	2.94E-07	4.67E-07	8.07E-08	5.91E-08	2.14E-06
844	490336.72	3860685.12	3.61E-03	3.68E-03	3.68E-03	1.25E-06	3.77E-06	2.18E-06	2.23E-06	2.02E-06	9.03E-07	9.21E-07	4.17E-08	1.01E-06	2.22E-07	3.03E-07	4.80E-07	8.29E-08	6.07E-08	2.20E-06
845	490386.72	3860685.12	3.70E-03	3.77E-03	3.77E-03	1.28E-06	3.87E-06	2.24E-06	2.28E-06	2.07E-06	9.26E-07	9.43E-07	4.28E-08	1.03E-06	2.28E-07	3.10E-07	4.92E-07	8.49E-08	6.22E-08	2.25E-06
846	490436.72	3860685.12	3.78E-03	3.86E-03	3.85E-03	1.31E-06	3.95E-06	2.29E-06	2.33E-06	2.11E-06	9.46E-07	9.64E-07	4.37E-08	1.06E-06	2.33E-07	3.17E-07	5.02E-07	8.68E-08	6.36E-08	2.30E-06
847	490486.72	3860685.12	3.86E-03	3.94E-03	3.94E-03	1.34E-06	4.04E-06	2.34E-06	2.38E-06	2.16E-06	9.66E-07	9.85E-07	4.46E-08	1.08E-06	2.38E-07	3.24E-07	5.13E-07	8.87E-08	6.50E-08	2.35E-06
848	490536.72	3860685.12	3.96E-03	4.04E-03	4.04E-03	1.37E-06	4.14E-06	2.40E-06	2.45E-06	2.22E-06	9.92E-07	1.01E-06	4.58E-08	1.11E-06	2.44E-07	3.32E-07	5.27E-07	9.10E-08	6.67E-08	2.41E-06

849	490586.72	3860685.12	4.07E-03	4.15E-03	4.15E-03	1.41E-06	4.25E-06	2.46E-06	2.51E-06	2.28E-06	1.02E-06	1.04E-06	4.70E-08	1.14E-06	2.51E-07	3.41E-07	5.41E-07	9.34E-08	6.85E-08	2.48E-06
850	490636.72	3860685.12	4.18E-03	4.27E-03	4.26E-03	1.45E-06	4.37E-06	2.53E-06	2.58E-06	2.34E-06	1.05E-06	1.07E-06	4.84E-08	1.17E-06	2.58E-07	3.51E-07	5.56E-07	9.61E-08	7.04E-08	2.55E-06
851	490686.72	3860685.12	4.31E-03	4.39E-03	4.39E-03	1.49E-06	4.50E-06	2.61E-06	2.66E-06	2.41E-06	1.08E-06	1.10E-06	4.98E-08	1.20E-06	2.65E-07	3.61E-07	5.73E-07	9.89E-08	7.25E-08	2.62E-06
852	490736.72	3860685.12	4.42E-03	4.51E-03	4.50E-03	1.53E-06	4.61E-06	2.67E-06	2.73E-06	2.47E-06	1.11E-06	1.13E-06	5.10E-08	1.23E-06	2.72E-07	3.70E-07	5.87E-07	1.01E-07	7.43E-08	2.69E-06
853	490786.72	3860685.12	4.56E-03	4.65E-03	4.65E-03	1.58E-06	4.76E-06	2.76E-06	2.81E-06	2.55E-06	1.14E-06	1.16E-06	5.27E-08	1.27E-06	2.81E-07	3.82E-07	6.06E-07	1.05E-07	7.67E-08	2.78E-06
854	490136.72	3860735.12	3.12E-03	3.19E-03	3.18E-03	1.08E-06	3.26E-06	1.89E-06	1.93E-06	1.75E-06	7.81E-07	7.96E-07	3.61E-08	8.72E-07	1.92E-07	2.62E-07	4.15E-07	7.17E-08	5.25E-08	1.90E-06
855	490186.72	3860735.12	3.18E-03	3.24E-03	3.24E-03	1.10E-06	3.32E-06	1.92E-06	1.96E-06	1.78E-06	7.96E-07	8.11E-07	3.67E-08	8.88E-07	1.96E-07	2.66E-07	4.23E-07	7.30E-08	5.35E-08	1.94E-06
856	490236.72	3860735.12	3.25E-03	3.31E-03	3.31E-03	1.12E-06	3.39E-06	1.96E-06	2.00E-06	1.82E-06	8.12E-07	8.28E-07	3.75E-08	9.06E-07	2.00E-07	2.72E-07	4.32E-07	7.46E-08	5.46E-08	1.98E-06
857	490286.72	3860735.12	3.32E-03	3.39E-03	3.38E-03	1.15E-06	3.47E-06	2.01E-06	2.05E-06	1.86E-06	8.31E-07	8.47E-07	3.84E-08	9.27E-07	2.05E-07	2.78E-07	4.42E-07	7.63E-08	5.59E-08	2.02E-06
858	490336.72	3860735.12	3.39E-03	3.46E-03	3.46E-03	1.17E-06	3.55E-06	2.05E-06	2.10E-06	1.90E-06	8.49E-07	8.66E-07	3.92E-08	9.48E-07	2.09E-07	2.85E-07	4.51E-07	7.80E-08	5.71E-08	2.07E-06
859	490386.72	3860735.12	3.48E-03	3.55E-03	3.55E-03	1.20E-06	3.64E-06	2.11E-06	2.15E-06	1.95E-06	8.71E-07	8.88E-07	4.02E-08	9.72E-07	2.14E-07	2.92E-07	4.63E-07	7.99E-08	5.86E-08	2.12E-06
860	490436.72	3860735.12	3.59E-03	3.66E-03	3.66E-03	1.24E-06	3.75E-06	2.17E-06	2.21E-06	2.01E-06	8.98E-07	9.15E-07	4.15E-08	1.00E-06	2.21E-07	3.01E-07	4.77E-07	8.24E-08	6.03E-08	2.18E-06
861	490486.72	3860735.12	3.65E-03	3.73E-03	3.72E-03	1.26E-06	3.82E-06	2.21E-06	2.26E-06	2.05E-06	9.15E-07	9.32E-07	4.22E-08	1.02E-06	2.25E-07	3.06E-07	4.86E-07	8.39E-08	6.15E-08	2.23E-06
862	490536.72	3860735.12	3.71E-03	3.78E-03	3.78E-03	1.28E-06	3.88E-06	2.24E-06	2.29E-06	2.08E-06	9.28E-07	9.46E-07	4.29E-08	1.04E-06	2.28E-07	3.11E-07	4.93E-07	8.52E-08	6.24E-08	2.26E-06
863	490586.72	3860735.12	3.79E-03	3.87E-03	3.87E-03	1.31E-06	3.96E-06	2.29E-06	2.34E-06	2.12E-06	9.49E-07	9.67E-07	4.38E-08	1.06E-06	2.34E-07	3.18E-07	5.04E-07	8.71E-08	6.38E-08	2.31E-06
864	490636.72	3860735.12	3.89E-03	3.97E-03	3.96E-03	1.35E-06	4.06E-06	2.35E-06	2.40E-06	2.18E-06	9.73E-07	9.92E-07	4.49E-08	1.09E-06	2.40E-07	3.26E-07	5.17E-07	8.93E-08	6.54E-08	2.37E-06
865	490686.72	3860735.12	4.01E-03	4.09E-03	4.08E-03	1.39E-06	4.19E-06	2.42E-06	2.47E-06	2.24E-06	1.00E-06	1.02E-06	4.63E-08	1.12E-06	2.47E-07	3.36E-07	5.33E-07	9.20E-08	6.74E-08	2.44E-06
866	490736.72	3860735.12	4.13E-03	4.21E-03	4.21E-03	1.43E-06	4.31E-06	2.50E-06	2.55E-06	2.31E-06	1.03E-06	1.05E-06	4.77E-08	1.15E-06	2.54E-07	3.46E-07	5.49E-07	9.48E-08	6.94E-08	2.51E-06
867	490136.72	3860785.12	2.94E-03	3.00E-03	2.99E-03	1.02E-06	3.07E-06	1.78E-06	1.81E-06	1.64E-06	7.35E-07	7.50E-07	3.40E-08	8.20E-07	1.81E-07	2.46E-07	3.91E-07	6.75E-08	4.94E-08	1.79E-06
868	490186.72	3860785.12	3.00E-03	3.06E-03	3.06E-03	1.04E-06	3.14E-06	1.82E-06	1.85E-06	1.68E-06	7.51E-07	7.65E-07	3.47E-08	8.38E-07	1.85E-07	2.51E-07	3.99E-07	6.89E-08	5.05E-08	1.83E-06
869	490236.72	3860785.12	3.06E-03	3.12E-03	3.12E-03	1.06E-06	3.20E-06	1.85E-06	1.89E-06	1.71E-06	7.66E-07	7.81E-07	3.54E-08	8.55E-07	1.89E-07	2.57E-07	4.07E-07	7.03E-08	5.15E-08	1.86E-06
870	490286.72	3860785.12	3.13E-03	3.19E-03	3.19E-03	1.08E-06	3.27E-06	1.89E-06	1.93E-06	1.75E-06	7.82E-07	7.97E-07	3.61E-08	8.73E-07	1.93E-07	2.62E-07	4.16E-07	7.18E-08	5.26E-08	1.90E-06
871	490336.72	3860785.12	3.19E-03	3.26E-03	3.25E-03	1.10E-06	3.34E-06	1.93E-06	1.97E-06	1.79E-06	7.99E-07	8.14E-07	3.69E-08	8.91E-07	1.97E-07	2.68E-07	4.24E-07	7.33E-08	5.37E-08	1.94E-06
872	490386.72	3860785.12	3.28E-03	3.34E-03	3.34E-03	1.13E-06	3.43E-06	1.98E-06	2.02E-06	1.83E-06	8.20E-07	8.36E-07	3.79E-08	9.15E-07	2.02E-07	2.75E-07	4.36E-07	7.53E-08	5.52E-08	2.00E-06
873	490436.72	3860785.12	3.35E-03	3.42E-03	3.41E-03	1.16E-06	3.50E-06	2.03E-06	2.07E-06	1.87E-06	8.38E-07	8.54E-07	3.87E-08	9.35E-07	2.06E-07	2.81E-07	4.45E-07	7.69E-08	5.63E-08	2.04E-06
874	490486.72	3860785.12	3.44E-03	3.51E-03	3.50E-03	1.19E-06	3.59E-06	2.08E-06	2.12E-06	1.92E-06	8.60E-07	8.77E-07	3.97E-08	9.60E-07	2.12E-07	2.88E-07	4.57E-07	7.90E-08	5.78E-08	2.09E-06
875	490536.72	3860785.12	3.50E-03	3.57E-03	3.57E-03	1.21E-06	3.66E-06	2.12E-06	2.16E-06	1.96E-06	8.76E-07	8.93E-07	4.05E-08	9.78E-07	2.16E-07	2.94E-07	4.66E-07	8.04E-08	5.89E-08	2.13E-06
876	490586.72	3860785.12	3.55E-03	3.62E-03	3.62E-03	1.23E-06	3.71E-06	2.15E-06	2.19E-06	1.99E-06	8.88E-07	9.05E-07	4.10E-08	9.91E-07	2.19E-07	2.98E-07	4.72E-07	8.15E-08	5.97E-08	2.16E-06
877	490636.72	3860785.12	3.63E-03	3.70E-03	3.70E-03	1.26E-06	3.79E-06	2.19E-06	2.24E-06	2.03E-06	9.07E-07	9.25E-07	4.19E-08	1.01E-06	2.23E-07	3.04E-07	4.82E-07	8.33E-08	6.10E-08	2.21E-06
878	490686.72	3860785.12	3.72E-03	3.80E-03	3.79E-03	1.29E-06	3.89E-06	2.25E-06	2.30E-06	2.08E-06	9.31E-07	9.49E-07	4.30E-08	1.04E-06	2.29E-07	3.12E-07	4.95E-07	8.54E-08	6.26E-08	2.27E-06
879	490736.72	3860785.12	3.83E-03	3.91E-03	3.90E-03	1.33E-06	4.00E-06	2.32E-06	2.36E-06	2.14E-06	9.59E-07	9.77E-07	4.43E-08	1.07E-06	2.36E-07	3.21E-07	5.09E-07	8.80E-08	6.44E-08	2.33E-06
880	490086.72	3860835.12	2.73E-03	2.79E-03	2.78E-03	9.46E-07	2.86E-06	1.65E-06	1.69E-06	1.53E-06	6.84E-07	6.97E-07	3.16E-08	7.63E-07	1.68E-07	2.29E-07	3.63E-07	6.27E-08	4.60E-08	1.66E-06
881	490136.72	3860835.12	2.79E-03	2.85E-03	2.85E-03	9.67E-07	2.92E-06	1.69E-06	1.73E-06	1.56E-06	6.99E-07	7.13E-07	3.23E-08	7.80E-07	1.72E-07	2.34E-07	3.72E-07	6.42E-08	4.70E-08	1.70E-06
882	490186.72	3860835.12	2.84E-03	2.90E-03	2.90E-03	9.84E-07	2.97E-06	1.72E-06	1.76E-06	1.59E-06	7.11E-07	7.25E-07	3.29E-08	7.94E-07	1.75E-07	2.38E-07	3.78E-07	6.53E-08	4.78E-08	1.73E-06
883	490236.72	3860835.12	2.90E-03	2.95E-03	2.95E-03	1.00E-06	3.03E-06	1.75E-06	1.79E-06	1.62E-06	7.25E-07	7.39E-07	3.35E-08	8.08E-07	1.78E-07	2.43E-07	3.85E-07	6.65E-08	4.87E-08	1.76E-06
884	490286.72	3860835.12	2.96E-03	3.02E-03	3.01E-03	1.02E-06	3.09E-06	1.79E-06	1.83E-06	1.65E-06	7.40E-07	7.54E-07	3.42E-08	8.26E-07	1.82E-07	2.48E-07	3.93E-07	6.79E-08	4.98E-08	1.80E-06
885	490336.72	3860835.12	3.01E-03	3.07E-03	3.07E-03	1.04E-06	3.15E-06	1.82E-06	1.86E-06	1.69E-06	7.54E-07	7.68E-07	3.48E-08	8.41E-07	1.86E-07	2.53E-07	4.01E-07	6.92E-08	5.07E-08	1.83E-06
886	490386.72	3860835.12	3.07E-03	3.14E-03	3.13E-03	1.06E-06	3.21E-06	1.86E-06	1.90E-06	1.72E-06	7.69E-07	7.84E-07	3.55E-08	8.58E-07	1.89E-07	2.58E-07	4.09E-07	7.06E-08	5.17E-08	1.87E-06
887	490436.72	3860835.12	3.15E-03	3.21E-03	3.21E-03	1.09E-06	3.29E-06	1.90E-06	1.94E-06	1.76E-06	7.88E-07	8.03E-07	3.64E-08	8.79E-07	1.94E-07	2.64E-07	4.19E-07	7.23E-08	5.30E-08	1.92E-06
888	490486.72	3860835.12	3.22E-03	3.29E-03	3.28E-03	1.11E-06	3.37E-06	1.95E-06	1.99E-06	1.80E-06	8.06E-07	8.21E-07	3.72E-08	8.99E-07	1.98E-07	2.70E-07	4.28E-07	7.39E-08	5.42E-08	1.96E-06
889	490536.72	3860835.12	3.29E-03	3.35E-03	3.35E-03	1.14E-06	3.43E-06	1.99E-06	2.03E-06	1.84E-06	8.22E-07	8.38E-07	3.80E-08	9.17E-07	2.02E-07	2.75E-07	4.37E-07	7.55E-08	5.53E-08	2.00E-06
890	490586.72	3860835.12	3.34E-03	3.41E-03	3.41E-03	1.16E-06	3.49E-06	2.02E-06	2.06E-06	1.87E-06	8.37E-07	8.53E-07	3.86E-08	9.33E-07	2.06E-07	2.80E-07	4.45E-07	7.68E-08	5.62E-08	2.04E-06
891	490636.72	3860835.12	3.40E-03	3.47E-03	3.47E-03	1.18E-06	3.56E-06	2.06E-06	2.10E-06	1.90E-06	8.52E-07	8.68E-07	3.93E-08	9.50E-07	2.10E-07	2.85E-07	4.53E-07	7.82E-08	5.73E-08	2.07E-06
892	490686.72	3860835.12	3.48E-03	3.55E-03	3.55E-03	1.20E-06	3.64E-06	2.11E-06	2.15E-06	1.95E-06	8.71E-07	8.88E-07	4.02E-08	9.72E-07	2.14E-07	2.92E-07	4.63E-07	7.99E-08	5.86E-08	2.12E-06
893	490736.72	3860835.12	3.57E-03	3.65E-03	3.64E-03	1.24E-06	3.74E-06	2.16E-06	2.21E-06	2.00E-06	8.95E-07	9.12E-07	4.13E-08	9.98E-07	2.20E-07	3.00E-07	4.75E-07	8.21E-08	6.01E-08	2.18E-06
894	490086.72	3860885.12	2.61E-03	2.66E-03	2.66E-03	9.02E-07	2.72E-06	1.58E-06	1.61E-06	1.46E-06	6.52E-07	6.65E-07	3.01E-08	7.28E-07	1.61E-07	2.18E-07	3.47E-07	5.99E-08	4.38E-08	1.59E-06
895	490136.72	3860885.12	2.65E-03	2.71E-03	2.71E-03	9.19E-07	2.77E-06	1.61E-06	1.64E-06	1.49E-06	6.64E-07	6.77E-07	3.07E-08	7.41E-07	1.64E-07	2.22E-07	3.53E-07	6.10E-08	4.47E-08	1.62E-06
896	490186.72	3860885.12	2.70E-03	2.76E-03	2.75E-03	9.35E-07	2.82E-06	1.63E-06	1.67E-06	1.51E-06	6.76E-07	6.89E-07	3.12E-08	7.54E-07	1.66E-07	2.26E-07	3.59E-07	6.20E-08	4.54E-08	1.64E-06
897	490236.72	3860885.12	2.75E-03	2.81E-03	2.80E-03	9.52E-07	2.87E-06	1.66E-06	1.70E-06	1.54E-06	6.88E-07	7.02E-07	3.18E-08	7.68E-07	1.69E-07	2.31E-07	3.66E-07	6.32E-08	4.63E-08	1.67E-06
898	490286.72	3860885.12	2.80E-03	2.86E-03	2.85E-03	9.69E-07	2.93E-06	1.69E-06	1.73E-06	1.57E-06	7.01E-07	7.14E-07	3.24E-08	7.82E-07	1.73E-07	2.35E-07	3.72E-07	6.43E-08	4.71E-08	1.71E-06
899	490336.72	3860885.12	2.85E-03	2.91E-03	2.90E-03	9.86E-07	2.98E-06	1.72E-06	1.76E-06	1.59E-06	7.13E-07	7.27E-07	3.29E-08	7.95E-07	1.76E-07	2.39E-07	3.79E-07	6.54E-08	4.79E-08	1.73E-06
900	490386.72	3860885.12	2.91E-03	2.97E-03	2.96E-03	1.01E-06	3.04E-06	1.76E-06	1.80E-06	1.63E-06	7.28E-07	7.42E-07	3.36E-08	8.12E-07	1.79E-07	2.44E-07	3.87E-07	6.68E-08	4.89E-08	1.77E-06
901	490436.72	3860885.12	2.97E-03	3.03E-03	3.03E-03	1.03E-06	3.11E-06	1.80E-06	1.84E-06	1.66E-06	7.44E-07	7.58E-07	3.44E-08	8.30E-07	1.83E-07	2.49E-07	3.95E-07	6.83E-08	5.00E-08	1.81E-06
902	490486.72	3860885.12	3.03E-03	3.09E-03	3.09E-03	1.05E-06	3.17E-06	1.83E-06	1.87E-06	1.70E-06	7.59E-07	7.74E-07	3.51E-08	8.47E-07	1.87E-07	2.54E-07	4.03E-07	6.97E-08	5.10E-08	1.85E-06
903	490536.72	3860885.12	3.09E-03	3.15E-03	3.15E-03	1.07E-06	3.23E-06	1.87E-06	1.91E-06	1.73E-06	7.73E-07	7.88E-07	3.57E-08	8.63E-07	1.90E-07	2.59E-07	4.11E-07	7.10E-08	5.20E-08	1.88E-06
904	490586.72	3860885.12	3.14E-03	3.21E-03	3.21E-03	1.09E-06	3.29E-06	1.90E-06	1.94E-06	1.76E-06	7.87E-07	8.02E-07	3.64E-08	8.78E-07	1.94E-07	2.64E-07	4.18E-07	7.22E-08	5.29E-08	1.92E-06
905	490636.72	3860885.12	3.20E-03	3.26E-03	3.26E-03	1.11E-06	3.34E-06	1.93E-06	1.97E-06	1.79E-06	8.00E-07	8.16E-07	3.70E-08	8.93E-07	1.97E-07	2.68E-07	4.25E-07	7.35E-08	5.38E-08	1.95E-06

906	490686.72	3860885.12	3.26E-03	3.33E-03	3.32E-03	1.13E-06	3.41E-06	1.97E-06	2.01E-06	1.82E-06	8.16E-07	8.31E-07	3.77E-08	9.10E-07	2.01E-07	2.73E-07	4.33E-07	7.49E-08	5.48E-08	1.98E-06
907	490736.72	3860885.12	3.33E-03	3.39E-03	3.39E-03	1.15E-06	3.48E-06	2.01E-06	2.05E-06	1.86E-06	8.33E-07	8.49E-07	3.85E-08	9.29E-07	2.05E-07	2.79E-07	4.42E-07	7.64E-08	5.60E-08	2.03E-06
908	490086.72	3860935.12	2.48E-03	2.53E-03	2.53E-03	8.58E-07	2.59E-06	1.50E-06	1.53E-06	1.39E-06	6.20E-07	6.32E-07	2.87E-08	6.92E-07	1.53E-07	2.08E-07	3.30E-07	5.69E-08	4.17E-08	1.51E-06
909	490136.72	3860935.12	2.51E-03	2.57E-03	2.56E-03	8.71E-07	2.63E-06	1.52E-06	1.55E-06	1.41E-06	6.29E-07	6.42E-07	2.91E-08	7.02E-07	1.55E-07	2.11E-07	3.34E-07	5.78E-08	4.23E-08	1.53E-06
910	490186.72	3860935.12	2.56E-03	2.62E-03	2.61E-03	8.87E-07	2.68E-06	1.55E-06	1.58E-06	1.43E-06	6.41E-07	6.54E-07	2.96E-08	7.16E-07	1.58E-07	2.15E-07	3.41E-07	5.89E-08	4.31E-08	1.56E-06
911	490236.72	3860935.12	2.61E-03	2.66E-03	2.66E-03	9.04E-07	2.73E-06	1.58E-06	1.61E-06	1.46E-06	6.53E-07	6.66E-07	3.02E-08	7.29E-07	1.61E-07	2.19E-07	3.47E-07	6.00E-08	4.39E-08	1.59E-06
912	490286.72	3860935.12	2.66E-03	2.71E-03	2.71E-03	9.21E-07	2.78E-06	1.61E-06	1.64E-06	1.49E-06	6.66E-07	6.78E-07	3.07E-08	7.43E-07	1.64E-07	2.23E-07	3.54E-07	6.11E-08	4.47E-08	1.62E-06
913	490336.72	3860935.12	2.70E-03	2.76E-03	2.75E-03	9.35E-07	2.82E-06	1.63E-06	1.67E-06	1.51E-06	6.76E-07	6.89E-07	3.12E-08	7.54E-07	1.66E-07	2.26E-07	3.59E-07	6.21E-08	4.55E-08	1.65E-06
914	490386.72	3860935.12	2.76E-03	2.81E-03	2.81E-03	9.54E-07	2.88E-06	1.67E-06	1.70E-06	1.54E-06	6.90E-07	7.03E-07	3.19E-08	7.70E-07	1.70E-07	2.31E-07	3.67E-07	6.33E-08	4.64E-08	1.68E-06
915	490436.72	3860935.12	2.81E-03	2.87E-03	2.87E-03	9.74E-07	2.94E-06	1.70E-06	1.74E-06	1.57E-06	7.04E-07	7.17E-07	3.25E-08	7.85E-07	1.73E-07	2.36E-07	3.74E-07	6.46E-08	4.73E-08	1.71E-06
916	490486.72	3860935.12	2.86E-03	2.92E-03	2.92E-03	9.91E-07	2.99E-06	1.73E-06	1.77E-06	1.60E-06	7.16E-07	7.30E-07	3.31E-08	7.99E-07	1.76E-07	2.40E-07	3.81E-07	6.57E-08	4.82E-08	1.74E-06
917	490536.72	3860935.12	2.92E-03	2.98E-03	2.97E-03	1.01E-06	3.05E-06	1.76E-06	1.80E-06	1.63E-06	7.30E-07	7.44E-07	3.37E-08	8.14E-07	1.80E-07	2.44E-07	3.88E-07	6.70E-08	4.91E-08	1.78E-06
918	490586.72	3860935.12	2.96E-03	3.02E-03	3.02E-03	1.03E-06	3.10E-06	1.79E-06	1.83E-06	1.66E-06	7.42E-07	7.56E-07	3.43E-08	8.27E-07	1.83E-07	2.48E-07	3.94E-07	6.81E-08	4.99E-08	1.80E-06
919	490636.72	3860935.12	3.01E-03	3.07E-03	3.07E-03	1.04E-06	3.15E-06	1.82E-06	1.86E-06	1.68E-06	7.53E-07	7.68E-07	3.48E-08	8.40E-07	1.85E-07	2.52E-07	4.00E-07	6.91E-08	5.06E-08	1.83E-06
920	490686.72	3860935.12	3.06E-03	3.12E-03	3.12E-03	1.06E-06	3.20E-06	1.85E-06	1.89E-06	1.71E-06	7.66E-07	7.81E-07	3.54E-08	8.55E-07	1.89E-07	2.57E-07	4.07E-07	7.03E-08	5.15E-08	1.86E-06
921	490736.72	3860935.12	3.11E-03	3.18E-03	3.17E-03	1.08E-06	3.26E-06	1.88E-06	1.92E-06	1.74E-06	7.79E-07	7.94E-07	3.60E-08	8.70E-07	1.92E-07	2.61E-07	4.14E-07	7.15E-08	5.24E-08	1.90E-06
922	490786.72	3860935.12	3.17E-03	3.24E-03	3.23E-03	1.10E-06	3.31E-06	1.92E-06	1.96E-06	1.77E-06	7.94E-07	8.09E-07	3.67E-08	8.85E-07	1.95E-07	2.66E-07	4.22E-07	7.28E-08	5.34E-08	1.93E-06
923	490836.72	3860935.12	3.24E-03	3.31E-03	3.30E-03	1.12E-06	3.39E-06	1.96E-06	2.00E-06	1.81E-06	8.11E-07	8.27E-07	3.75E-08	9.05E-07	2.00E-07	2.72E-07	4.31E-07	7.45E-08	5.45E-08	1.97E-06
924	490086.72	3860985.12	2.37E-03	2.42E-03	2.41E-03	8.20E-07	2.47E-06	1.43E-06	1.46E-06	1.33E-06	5.93E-07	6.04E-07	2.74E-08	6.61E-07	1.46E-07	1.98E-07	3.15E-07	5.44E-08	3.98E-08	1.44E-06
925	490136.72	3860985.12	2.41E-03	2.45E-03	2.45E-03	8.33E-07	2.51E-06	1.46E-06	1.48E-06	1.35E-06	6.02E-07	6.13E-07	2.78E-08	6.72E-07	1.48E-07	2.02E-07	3.20E-07	5.52E-08	4.05E-08	1.46E-06
926	490186.72	3860985.12	2.45E-03	2.50E-03	2.50E-03	8.48E-07	2.56E-06	1.48E-06	1.51E-06	1.37E-06	6.13E-07	6.25E-07	2.83E-08	6.84E-07	1.51E-07	2.05E-07	3.26E-07	5.62E-08	4.12E-08	1.49E-06
927	490236.72	3860985.12	2.48E-03	2.53E-03	2.53E-03	8.60E-07	2.60E-06	1.50E-06	1.53E-06	1.39E-06	6.22E-07	6.33E-07	2.87E-08	6.93E-07	1.53E-07	2.08E-07	3.30E-07	5.70E-08	4.18E-08	1.51E-06
928	490286.72	3860985.12	2.52E-03	2.57E-03	2.57E-03	8.73E-07	2.64E-06	1.53E-06	1.56E-06	1.41E-06	6.31E-07	6.44E-07	2.92E-08	7.05E-07	1.55E-07	2.12E-07	3.36E-07	5.80E-08	4.25E-08	1.54E-06
929	490336.72	3860985.12	2.57E-03	2.62E-03	2.61E-03	8.88E-07	2.68E-06	1.55E-06	1.58E-06	1.44E-06	6.42E-07	6.54E-07	2.97E-08	7.16E-07	1.58E-07	2.15E-07	3.41E-07	5.89E-08	4.32E-08	1.56E-06
930	490386.72	3860985.12	2.61E-03	2.66E-03	2.66E-03	9.04E-07	2.73E-06	1.58E-06	1.61E-06	1.46E-06	6.54E-07	6.66E-07	3.02E-08	7.29E-07	1.61E-07	2.19E-07	3.47E-07	6.00E-08	4.39E-08	1.59E-06
931	490436.72	3860985.12	2.67E-03	2.72E-03	2.72E-03	9.23E-07	2.79E-06	1.61E-06	1.65E-06	1.49E-06	6.67E-07	6.80E-07	3.08E-08	7.44E-07	1.64E-07	2.23E-07	3.55E-07	6.12E-08	4.49E-08	1.62E-06
932	490486.72	3860985.12	2.71E-03	2.76E-03	2.76E-03	9.38E-07	2.83E-06	1.64E-06	1.67E-06	1.52E-06	6.78E-07	6.91E-07	3.13E-08	7.56E-07	1.67E-07	2.27E-07	3.60E-07	6.22E-08	4.56E-08	1.65E-06
933	490536.72	3860985.12	2.75E-03	2.81E-03	2.80E-03	9.52E-07	2.87E-06	1.66E-06	1.70E-06	1.54E-06	6.88E-07	7.01E-07	3.18E-08	7.68E-07	1.69E-07	2.30E-07	3.66E-07	6.32E-08	4.63E-08	1.67E-06
934	490586.72	3860985.12	2.79E-03	2.85E-03	2.84E-03	9.66E-07	2.92E-06	1.69E-06	1.72E-06	1.56E-06	6.99E-07	7.12E-07	3.23E-08	7.79E-07	1.72E-07	2.34E-07	3.71E-07	6.41E-08	4.70E-08	1.70E-06
935	490636.72	3860985.12	2.84E-03	2.90E-03	2.89E-03	9.82E-07	2.97E-06	1.72E-06	1.75E-06	1.59E-06	7.10E-07	7.24E-07	3.28E-08	7.92E-07	1.75E-07	2.38E-07	3.77E-07	6.52E-08	4.77E-08	1.73E-06
936	490686.72	3860985.12	2.88E-03	2.94E-03	2.93E-03	9.96E-07	3.01E-06	1.74E-06	1.78E-06	1.61E-06	7.20E-07	7.34E-07	3.33E-08	8.04E-07	1.77E-07	2.41E-07	3.83E-07	6.61E-08	4.84E-08	1.75E-06
937	490736.72	3860985.12	2.92E-03	2.98E-03	2.97E-03	1.01E-06	3.05E-06	1.77E-06	1.80E-06	1.63E-06	7.30E-07	7.44E-07	3.37E-08	8.15E-07	1.80E-07	2.45E-07	3.88E-07	6.70E-08	4.91E-08	1.78E-06
938	490786.72	3860985.12	2.97E-03	3.03E-03	3.02E-03	1.03E-06	3.10E-06	1.79E-06	1.83E-06	1.66E-06	7.42E-07	7.57E-07	3.43E-08	8.28E-07	1.83E-07	2.49E-07	3.94E-07	6.81E-08	4.99E-08	1.81E-06
939	490836.72	3860985.12	3.02E-03	3.08E-03	3.08E-03	1.05E-06	3.16E-06	1.83E-06	1.86E-06	1.69E-06	7.56E-07	7.71E-07	3.49E-08	8.43E-07	1.86E-07	2.53E-07	4.02E-07	6.94E-08	5.08E-08	1.84E-06
940	490086.72	3861035.12	2.26E-03	2.31E-03	2.31E-03	7.83E-07	2.36E-06	1.37E-06	1.40E-06	1.27E-06	5.66E-07	5.77E-07	2.61E-08	6.32E-07	1.39E-07	1.90E-07	3.01E-07	5.20E-08	3.81E-08	1.38E-06
941	490136.72	3861035.12	2.30E-03	2.34E-03	2.34E-03	7.95E-07	2.40E-06	1.39E-06	1.42E-06	1.29E-06	5.75E-07	5.86E-07	2.66E-08	6.41E-07	1.42E-07	1.93E-07	3.05E-07	5.28E-08	3.87E-08	1.40E-06
942	490186.72	3861035.12	2.33E-03	2.38E-03	2.38E-03	8.07E-07	2.44E-06	1.41E-06	1.44E-06	1.30E-06	5.83E-07	5.95E-07	2.69E-08	6.51E-07	1.44E-07	1.95E-07	3.10E-07	5.35E-08	3.92E-08	1.42E-06
943	490236.72	3861035.12	2.37E-03	2.42E-03	2.41E-03	8.20E-07	2.48E-06	1.43E-06	1.46E-06	1.33E-06	5.93E-07	6.04E-07	2.74E-08	6.61E-07	1.46E-07	1.99E-07	3.15E-07	5.44E-08	3.99E-08	1.44E-06
944	490286.72	3861035.12	2.40E-03	2.45E-03	2.45E-03	8.31E-07	2.51E-06	1.45E-06	1.48E-06	1.34E-06	6.01E-07	6.12E-07	2.77E-08	6.70E-07	1.48E-07	2.01E-07	3.19E-07	5.51E-08	4.04E-08	1.46E-06
945	490336.72	3861035.12	2.43E-03	2.48E-03	2.48E-03	8.43E-07	2.54E-06	1.47E-06	1.50E-06	1.36E-06	6.09E-07	6.21E-07	2.81E-08	6.80E-07	1.50E-07	2.04E-07	3.24E-07	5.59E-08	4.10E-08	1.48E-06
946	490386.72	3861035.12	2.48E-03	2.53E-03	2.53E-03	8.59E-07	2.59E-06	1.50E-06	1.53E-06	1.39E-06	6.21E-07	6.33E-07	2.87E-08	6.93E-07	1.53E-07	2.08E-07	3.30E-07	5.70E-08	4.17E-08	1.51E-06
947	490436.72	3861035.12	2.53E-03	2.58E-03	2.58E-03	8.75E-07	2.64E-06	1.53E-06	1.56E-06	1.42E-06	6.33E-07	6.45E-07	2.92E-08	7.06E-07	1.56E-07	2.12E-07	3.36E-07	5.81E-08	4.25E-08	1.54E-06
948	490486.72	3861035.12	2.57E-03	2.62E-03	2.62E-03	8.89E-07	2.68E-06	1.55E-06	1.59E-06	1.44E-06	6.43E-07	6.55E-07	2.97E-08	7.17E-07	1.58E-07	2.15E-07	3.41E-07	5.90E-08	4.32E-08	1.56E-06
949	490536.72	3861035.12	2.60E-03	2.66E-03	2.65E-03	9.01E-07	2.72E-06	1.58E-06	1.61E-06	1.46E-06	6.51E-07	6.64E-07	3.01E-08	7.27E-07	1.60E-07	2.18E-07	3.46E-07	5.98E-08	4.38E-08	1.59E-06
950	490586.72	3861035.12	2.64E-03	2.69E-03	2.69E-03	9.13E-07	2.76E-06	1.60E-06	1.63E-06	1.48E-06	6.60E-07	6.73E-07	3.05E-08	7.36E-07	1.63E-07	2.21E-07	3.51E-07	6.06E-08	4.44E-08	1.61E-06
951	490636.72	3861035.12	2.67E-03	2.73E-03	2.72E-03	9.25E-07	2.79E-06	1.62E-06	1.65E-06	1.50E-06	6.69E-07	6.81E-07	3.09E-08	7.46E-07	1.65E-07	2.24E-07	3.55E-07	6.14E-08	4.49E-08	1.63E-06
952	490686.72	3861035.12	2.71E-03	2.76E-03	2.76E-03	9.36E-07	2.83E-06	1.64E-06	1.67E-06	1.51E-06	6.77E-07	6.90E-07	3.13E-08	7.55E-07	1.67E-07	2.27E-07	3.60E-07	6.21E-08	4.55E-08	1.65E-06
953	490736.72	3861035.12	2.74E-03	2.80E-03	2.79E-03	9.49E-07	2.86E-06	1.66E-06	1.69E-06	1.53E-06	6.86E-07	6.99E-07	3.17E-08	7.65E-07	1.69E-07	2.30E-07	3.64E-07	6.29E-08	4.61E-08	1.67E-06
954	490786.72	3861035.12	2.78E-03	2.84E-03	2.83E-03	9.62E-07	2.91E-06	1.68E-06	1.72E-06	1.56E-06	6.96E-07	7.09E-07	3.21E-08	7.76E-07	1.71E-07	2.33E-07	3.70E-07	6.39E-08	4.68E-08	1.69E-06
955	490836.72	3861035.12	2.82E-03	2.88E-03	2.88E-03	9.77E-07	2.95E-06	1.71E-06	1.74E-06	1.58E-06	7.06E-07	7.20E-07	3.26E-08	7.88E-07	1.74E-07	2.37E-07	3.75E-07	6.48E-08	4.75E-08	1.72E-06
956	490086.72	3861085.12	2.16E-03	2.21E-03	2.20E-03	7.49E-07	2.26E-06	1.31E-06	1.34E-06	1.21E-06	5.41E-07	5.52E-07	2.50E-08	6.04E-07	1.33E-07	1.81E-07	2.88E-07	4.97E-08	3.64E-08	1.32E-06
957	490136.72	3861085.12	2.20E-03	2.24E-03	2.24E-03	7.62E-07	2.30E-06	1.33E-06	1.36E-06	1.23E-06	5.51E-07	5.61E-07	2.54E-08	6.14E-07	1.36E-07	1.84E-07	2.93E-07	5.05E-08	3.70E-08	1.34E-06
958	490186.72	3861085.12	2.24E-03	2.28E-03	2.28E-03	7.75E-07	2.34E-06	1.35E-06	1.38E-06	1.25E-06	5.60E-07	5.71E-07	2.59E-08	6.25E-07	1.38E-07	1.88E-07	2.98E-07	5.14E-08	3.77E-08	1.36E-06
959	490236.72	3861085.12	2.26E-03	2.31E-03	2.31E-03	7.84E-07	2.37E-06	1.37E-06	1.40E-06	1.27E-06	5.67E-07	5.78E-07	2.62E-08	6.32E-07	1.40E-07	1.90E-07	3.01E-07	5.20E-08	3.81E-08	1.38E-06
960	490286.72	3861085.12	2.29E-03	2.34E-03	2.34E-03	7.93E-07	2.40E-06	1.39E-06	1.42E-06	1.28E-06	5.74E-07	5.85E-07	2.65E-08	6.40E-07	1.41E-07	1.92E-07	3.05E-07	5.26E-08	3.86E-08	1.40E-06
961	490336.72	3861085.12	2.32E-03	2.37E-03	2.37E-03	8.03E-07	2.43E-06	1.40E-06	1.43E-06	1.30E-06	5.81E-07	5.92E-07	2.68E-08	6.48E-07	1.43E-07	1.95E-07	3.09E-07	5.33E-08	3.90E-08	1.41E-06
962	490386.72	3861085.12	2.36E-03	2.41E-03	2.41E-03	8.17E-07	2.47E-06	1.43E-06	1.46E-06	1.32E-06	5.91E-07	6.02E-07	2.73E-08	6.59E-07	1.45E-07	1.98E-07	3.14E-07	5.42E-08	3.97E-08	1.44E-06

963	490436.72	3861085.12	2.39E-03	2.44E-03	2.44E-03	8.29E-07	2.50E-06	1.45E-06	1.48E-06	1.34E-06	5.99E-07	6.11E-07	2.77E-08	6.69E-07	1.48E-07	2.01E-07	3.18E-07	5.50E-08	4.03E-08	1.46E-06
964	490486.72	3861085.12	2.43E-03	2.48E-03	2.48E-03	8.41E-07	2.54E-06	1.47E-06	1.50E-06	1.36E-06	6.08E-07	6.20E-07	2.81E-08	6.78E-07	1.50E-07	2.04E-07	3.23E-07	5.58E-08	4.09E-08	1.48E-06
965	490536.72	3861085.12	2.47E-03	2.52E-03	2.51E-03	8.54E-07	2.58E-06	1.49E-06	1.52E-06	1.38E-06	6.18E-07	6.29E-07	2.85E-08	6.89E-07	1.52E-07	2.07E-07	3.28E-07	5.67E-08	4.15E-08	1.50E-06
966	490586.72	3861085.12	2.50E-03	2.55E-03	2.54E-03	8.64E-07	2.61E-06	1.51E-06	1.54E-06	1.40E-06	6.24E-07	6.36E-07	2.88E-08	6.97E-07	1.54E-07	2.09E-07	3.32E-07	5.73E-08	4.20E-08	1.52E-06
967	490636.72	3861085.12	2.52E-03	2.57E-03	2.57E-03	8.72E-07	2.63E-06	1.52E-06	1.55E-06	1.41E-06	6.30E-07	6.42E-07	2.91E-08	7.03E-07	1.55E-07	2.11E-07	3.35E-07	5.78E-08	4.24E-08	1.53E-06
968	490686.72	3861085.12	2.55E-03	2.60E-03	2.59E-03	8.81E-07	2.66E-06	1.54E-06	1.57E-06	1.42E-06	6.37E-07	6.49E-07	2.94E-08	7.11E-07	1.57E-07	2.13E-07	3.38E-07	5.85E-08	4.28E-08	1.55E-06
969	490736.72	3861085.12	2.58E-03	2.63E-03	2.63E-03	8.92E-07	2.69E-06	1.56E-06	1.59E-06	1.44E-06	6.45E-07	6.57E-07	2.98E-08	7.20E-07	1.59E-07	2.16E-07	3.43E-07	5.92E-08	4.34E-08	1.57E-06
970	490786.72	3861085.12	2.61E-03	2.66E-03	2.66E-03	9.03E-07	2.73E-06	1.58E-06	1.61E-06	1.46E-06	6.53E-07	6.66E-07	3.02E-08	7.29E-07	1.61E-07	2.19E-07	3.47E-07	5.99E-08	4.39E-08	1.59E-06
971	490836.72	3861085.12	2.64E-03	2.70E-03	2.69E-03	9.15E-07	2.76E-06	1.60E-06	1.63E-06	1.48E-06	6.61E-07	6.74E-07	3.05E-08	7.38E-07	1.63E-07	2.22E-07	3.51E-07	6.07E-08	4.45E-08	1.61E-06
972	490086.72	3861135.12	2.07E-03	2.11E-03	2.11E-03	7.16E-07	2.16E-06	1.25E-06	1.28E-06	1.16E-06	5.18E-07	5.28E-07	2.39E-08	5.78E-07	1.28E-07	1.74E-07	2.75E-07	4.75E-08	3.48E-08	1.26E-06
973	490136.72	3861135.12	2.10E-03	2.14E-03	2.14E-03	7.27E-07	2.20E-06	1.27E-06	1.30E-06	1.18E-06	5.26E-07	5.36E-07	2.43E-08	5.86E-07	1.29E-07	1.76E-07	2.79E-07	4.82E-08	3.53E-08	1.28E-06
974	490186.72	3861135.12	2.13E-03	2.18E-03	2.17E-03	7.38E-07	2.23E-06	1.29E-06	1.32E-06	1.19E-06	5.34E-07	5.44E-07	2.47E-08	5.96E-07	1.31E-07	1.79E-07	2.84E-07	4.90E-08	3.59E-08	1.30E-06
975	490236.72	3861135.12	2.16E-03	2.21E-03	2.20E-03	7.49E-07	2.26E-06	1.31E-06	1.34E-06	1.21E-06	5.41E-07	5.52E-07	2.50E-08	6.04E-07	1.33E-07	1.81E-07	2.88E-07	4.97E-08	3.64E-08	1.32E-06
976	490286.72	3861135.12	2.19E-03	2.24E-03	2.23E-03	7.58E-07	2.29E-06	1.33E-06	1.35E-06	1.23E-06	5.48E-07	5.59E-07	2.53E-08	6.12E-07	1.35E-07	1.84E-07	2.91E-07	5.03E-08	3.69E-08	1.33E-06
977	490336.72	3861135.12	2.22E-03	2.26E-03	2.26E-03	7.67E-07	2.32E-06	1.34E-06	1.37E-06	1.24E-06	5.55E-07	5.65E-07	2.56E-08	6.19E-07	1.37E-07	1.86E-07	2.95E-07	5.09E-08	3.73E-08	1.35E-06
978	490386.72	3861135.12	2.25E-03	2.29E-03	2.29E-03	7.77E-07	2.35E-06	1.36E-06	1.39E-06	1.26E-06	5.62E-07	5.73E-07	2.60E-08	6.27E-07	1.38E-07	1.88E-07	2.99E-07	5.16E-08	3.78E-08	1.37E-06
979	490436.72	3861135.12	2.27E-03	2.32E-03	2.32E-03	7.87E-07	2.38E-06	1.38E-06	1.40E-06	1.27E-06	5.69E-07	5.80E-07	2.63E-08	6.35E-07	1.40E-07	1.91E-07	3.02E-07	5.22E-08	3.83E-08	1.38E-06
980	490486.72	3861135.12	2.30E-03	2.35E-03	2.35E-03	7.98E-07	2.41E-06	1.39E-06	1.42E-06	1.29E-06	5.77E-07	5.88E-07	2.66E-08	6.43E-07	1.42E-07	1.93E-07	3.06E-07	5.29E-08	3.88E-08	1.40E-06
981	490536.72	3861135.12	2.33E-03	2.38E-03	2.38E-03	8.08E-07	2.44E-06	1.41E-06	1.44E-06	1.31E-06	5.84E-07	5.95E-07	2.70E-08	6.52E-07	1.44E-07	1.96E-07	3.10E-07	5.36E-08	3.93E-08	1.42E-06
982	490586.72	3861135.12	2.36E-03	2.41E-03	2.40E-03	8.17E-07	2.47E-06	1.43E-06	1.46E-06	1.32E-06	5.90E-07	6.02E-07	2.73E-08	6.59E-07	1.45E-07	1.98E-07	3.14E-07	5.42E-08	3.97E-08	1.44E-06
983	490636.72	3861135.12	2.38E-03	2.43E-03	2.42E-03	8.23E-07	2.49E-06	1.44E-06	1.47E-06	1.33E-06	5.95E-07	6.07E-07	2.75E-08	6.64E-07	1.47E-07	1.99E-07	3.16E-07	5.46E-08	4.00E-08	1.45E-06
984	490686.72	3861135.12	2.40E-03	2.45E-03	2.45E-03	8.32E-07	2.51E-06	1.45E-06	1.48E-06	1.35E-06	6.02E-07	6.13E-07	2.78E-08	6.71E-07	1.48E-07	2.02E-07	3.20E-07	5.52E-08	4.05E-08	1.46E-06
985	490736.72	3861135.12	2.43E-03	2.48E-03	2.48E-03	8.42E-07	2.54E-06	1.47E-06	1.50E-06	1.36E-06	6.09E-07	6.20E-07	2.81E-08	6.79E-07	1.50E-07	2.04E-07	3.23E-07	5.59E-08	4.09E-08	1.48E-06
986	490786.72	3861135.12	2.46E-03	2.51E-03	2.51E-03	8.52E-07	2.57E-06	1.49E-06	1.52E-06	1.38E-06	6.16E-07	6.27E-07	2.84E-08	6.87E-07	1.52E-07	2.06E-07	3.27E-07	5.65E-08	4.14E-08	1.50E-06
987	490836.72	3861135.12	2.49E-03	2.54E-03	2.53E-03	8.61E-07	2.60E-06	1.50E-06	1.54E-06	1.39E-06	6.22E-07	6.34E-07	2.87E-08	6.94E-07	1.53E-07	2.08E-07	3.31E-07	5.71E-08	4.18E-08	1.51E-06
988	490086.72	3861185.12	1.98E-03	2.02E-03	2.02E-03	6.86E-07	2.07E-06	1.20E-06	1.22E-06	1.11E-06	4.96E-07	5.05E-07	2.29E-08	5.53E-07	1.22E-07	1.66E-07	2.63E-07	4.55E-08	3.33E-08	1.21E-06
989	490136.72	3861185.12	2.00E-03	2.04E-03	2.04E-03	6.93E-07	2.09E-06	1.21E-06	1.24E-06	1.12E-06	5.01E-07	5.11E-07	2.31E-08	5.59E-07	1.23E-07	1.68E-07	2.66E-07	4.60E-08	3.37E-08	1.22E-06
990	490186.72	3861185.12	2.03E-03	2.07E-03	2.07E-03	7.02E-07	2.12E-06	1.23E-06	1.25E-06	1.14E-06	5.08E-07	5.18E-07	2.35E-08	5.66E-07	1.25E-07	1.70E-07	2.70E-07	4.66E-08	3.41E-08	1.24E-06
991	490236.72	3861185.12	2.06E-03	2.10E-03	2.10E-03	7.12E-07	2.15E-06	1.24E-06	1.27E-06	1.15E-06	5.15E-07	5.25E-07	2.38E-08	5.74E-07	1.27E-07	1.72E-07	2.74E-07	4.72E-08	3.46E-08	1.25E-06
992	490286.72	3861185.12	2.09E-03	2.13E-03	2.13E-03	7.23E-07	2.18E-06	1.26E-06	1.29E-06	1.17E-06	5.23E-07	5.33E-07	2.41E-08	5.83E-07	1.29E-07	1.75E-07	2.78E-07	4.80E-08	3.51E-08	1.27E-06
993	490336.72	3861185.12	2.10E-03	2.15E-03	2.14E-03	7.28E-07	2.20E-06	1.27E-06	1.30E-06	1.18E-06	5.26E-07	5.37E-07	2.43E-08	5.87E-07	1.30E-07	1.76E-07	2.80E-07	4.83E-08	3.54E-08	1.28E-06
994	490386.72	3861185.12	2.13E-03	2.17E-03	2.17E-03	7.37E-07	2.23E-06	1.29E-06	1.32E-06	1.19E-06	5.33E-07	5.43E-07	2.46E-08	5.95E-07	1.31E-07	1.79E-07	2.83E-07	4.89E-08	3.58E-08	1.30E-06
995	490436.72	3861185.12	2.16E-03	2.20E-03	2.20E-03	7.48E-07	2.26E-06	1.31E-06	1.33E-06	1.21E-06	5.41E-07	5.51E-07	2.50E-08	6.03E-07	1.33E-07	1.81E-07	2.87E-07	4.96E-08	3.64E-08	1.32E-06
996	490486.72	3861185.12	2.18E-03	2.23E-03	2.23E-03	7.56E-07	2.28E-06	1.32E-06	1.35E-06	1.22E-06	5.47E-07	5.57E-07	2.53E-08	6.10E-07	1.35E-07	1.83E-07	2.91E-07	5.02E-08	3.68E-08	1.33E-06
997	490536.72	3861185.12	2.22E-03	2.26E-03	2.26E-03	7.68E-07	2.32E-06	1.34E-06	1.37E-06	1.24E-06	5.55E-07	5.66E-07	2.57E-08	6.20E-07	1.37E-07	1.86E-07	2.95E-07	5.10E-08	3.73E-08	1.35E-06
998	490586.72	3861185.12	2.24E-03	2.28E-03	2.28E-03	7.75E-07	2.34E-06	1.35E-06	1.38E-06	1.25E-06	5.60E-07	5.71E-07	2.59E-08	6.25E-07	1.38E-07	1.88E-07	2.98E-07	5.14E-08	3.77E-08	1.36E-06
999	490636.72	3861185.12	2.25E-03	2.30E-03	2.29E-03	7.79E-07	2.35E-06	1.36E-06	1.39E-06	1.26E-06	5.63E-07	5.74E-07	2.60E-08	6.28E-07	1.39E-07	1.89E-07	2.99E-07	5.17E-08	3.79E-08	1.37E-06
1000	490686.72	3861185.12	2.27E-03	2.32E-03	2.32E-03	7.86E-07	2.37E-06	1.37E-06	1.40E-06	1.27E-06	5.69E-07	5.80E-07	2.63E-08	6.34E-07	1.40E-07	1.90E-07	3.02E-07	5.22E-08	3.82E-08	1.38E-06
1001	490736.72	3861185.12	2.30E-03	2.35E-03	2.35E-03	7.97E-07	2.41E-06	1.39E-06	1.42E-06	1.29E-06	5.76E-07	5.87E-07	2.66E-08	6.43E-07	1.42E-07	1.93E-07	3.06E-07	5.29E-08	3.87E-08	1.40E-06
1002	490786.72	3861185.12	2.33E-03	2.38E-03	2.37E-03	8.06E-07	2.43E-06	1.41E-06	1.44E-06	1.30E-06	5.83E-07	5.94E-07	2.69E-08	6.50E-07	1.43E-07	1.95E-07	3.10E-07	5.35E-08	3.92E-08	1.42E-06
1003	490836.72	3861185.12	2.35E-03	2.40E-03	2.40E-03	8.15E-07	2.46E-06	1.42E-06	1.45E-06	1.32E-06	5.89E-07	6.00E-07	2.72E-08	6.57E-07	1.45E-07	1.97E-07	3.13E-07	5.40E-08	3.96E-08	1.43E-06
1004	490086.72	3861235.12	1.90E-03	1.94E-03	1.93E-03	6.56E-07	1.98E-06	1.15E-06	1.17E-06	1.06E-06	4.75E-07	4.84E-07	2.19E-08	5.30E-07	1.17E-07	1.59E-07	2.52E-07	4.36E-08	3.19E-08	1.15E-06
1005	490136.72	3861235.12	1.92E-03	1.96E-03	1.95E-03	6.63E-07	2.00E-06	1.16E-06	1.18E-06	1.07E-06	4.80E-07	4.89E-07	2.21E-08	5.35E-07	1.18E-07	1.61E-07	2.55E-07	4.40E-08	3.22E-08	1.17E-06
1006	490186.72	3861235.12	1.94E-03	1.98E-03	1.98E-03	6.71E-07	2.03E-06	1.17E-06	1.20E-06	1.09E-06	4.85E-07	4.95E-07	2.24E-08	5.42E-07	1.20E-07	1.63E-07	2.58E-07	4.46E-08	3.26E-08	1.18E-06
1007	490236.72	3861235.12	1.96E-03	2.00E-03	2.00E-03	6.78E-07	2.05E-06	1.18E-06	1.21E-06	1.10E-06	4.90E-07	5.00E-07	2.26E-08	5.47E-07	1.21E-07	1.64E-07	2.60E-07	4.50E-08	3.29E-08	1.19E-06
1008	490386.72	3861235.12	2.02E-03	2.06E-03	2.06E-03	7.00E-07	2.11E-06	1.22E-06	1.25E-06	1.13E-06	5.06E-07	5.16E-07	2.34E-08	5.65E-07	1.25E-07	1.69E-07	2.69E-07	4.64E-08	3.40E-08	1.23E-06
1009	490436.72	3861235.12	2.04E-03	2.08E-03	2.08E-03	7.07E-07	2.13E-06	1.24E-06	1.26E-06	1.14E-06	5.11E-07	5.21E-07	2.36E-08	5.70E-07	1.26E-07	1.71E-07	2.72E-07	4.69E-08	3.44E-08	1.24E-06
1010	490486.72	3861235.12	2.06E-03	2.11E-03	2.10E-03	7.14E-07	2.16E-06	1.25E-06	1.27E-06	1.16E-06	5.17E-07	5.26E-07	2.39E-08	5.76E-07	1.27E-07	1.73E-07	2.74E-07	4.74E-08	3.47E-08	1.26E-06
1011	490536.72	3861235.12	2.10E-03	2.14E-03	2.14E-03	7.28E-07	2.20E-06	1.27E-06	1.30E-06	1.18E-06	5.26E-07	5.36E-07	2.43E-08	5.87E-07	1.30E-07	1.76E-07	2.80E-07	4.83E-08	3.54E-08	1.28E-06
1012	490586.72	3861235.12	2.13E-03	2.18E-03	2.17E-03	7.38E-07	2.23E-06	1.29E-06	1.32E-06	1.19E-06	5.34E-07	5.44E-07	2.46E-08	5.95E-07	1.31E-07	1.79E-07	2.84E-07	4.90E-08	3.59E-08	1.30E-06
1013	490636.72	3861235.12	2.13E-03	2.18E-03	2.17E-03	7.38E-07	2.23E-06	1.29E-06	1.32E-06	1.19E-06	5.34E-07	5.44E-07	2.47E-08	5.96E-07	1.31E-07	1.79E-07	2.84E-07	4.90E-08	3.59E-08	1.30E-06
1014	490686.72	3861235.12	2.15E-03	2.20E-03	2.20E-03	7.46E-07	2.25E-06	1.30E-06	1.33E-06	1.21E-06	5.39E-07	5.50E-07	2.49E-08	6.02E-07	1.33E-07	1.81E-07	2.86E-07	4.95E-08	3.62E-08	1.31E-06
1015	490736.72	3861235.12	2.18E-03	2.23E-03	2.22E-03	7.55E-07	2.28E-06	1.32E-06	1.35E-06	1.22E-06	5.46E-07	5.57E-07	2.52E-08	6.09E-07	1.34E-07	1.83E-07	2.90E-07	5.01E-08	3.67E-08	1.33E-06
1016	490786.72	3861235.12	2.21E-03	2.26E-03	2.25E-03	7.65E-07	2.31E-06	1.34E-06	1.36E-06	1.24E-06	5.53E-07	5.64E-07	2.55E-08	6.17E-07	1.36E-07	1.85E-07	2.94E-07	5.08E-08	3.72E-08	1.35E-06
1017	490836.72	3861235.12	2.23E-03	2.28E-03	2.28E-03	7.73E-07	2.33E-06	1.35E-06	1.38E-06	1.25E-06	5.59E-07	5.70E-07	2.58E-08	6.24E-07	1.38E-07	1.87E-07	2.97E-07	5.13E-08	3.76E-08	1.36E-06
1018	490086.72	3861285.12	1.82E-03	1.86E-03	1.86E-03	6.31E-07	1.90E-06	1.10E-06	1.13E-06	1.02E-06	4.56E-07	4.65E-07	2.11E-08	5.09E-07	1.12E-07	1.53E-07	2.42E-07	4.19E-08	3.07E-08	1.11E-06
1019	490136.72	3861285.12	1.85E-03	1.88E-03	1.88E-03	6.39E-07	1.93E-06	1.12E-06	1.14E-06	1.03E-06	4.62E-07	4.71E-07	2.13E-08	5.15E-07	1.14E-07	1.55E-07	2.45E-07	4.24E-08	3.11E-08	1.12E-06

1020	490186.72	3861285.12	1.86E-03	1.90E-03	1.89E-03	6.43E-07	1.94E-06	1.12E-06	1.15E-06	1.04E-06	4.65E-07	4.74E-07	2.15E-08	5.19E-07	1.15E-07	1.56E-07	2.47E-07	4.27E-08	3.13E-08	1.13E-06
1021	490236.72	3861285.12	1.87E-03	1.91E-03	1.91E-03	6.49E-07	1.96E-06	1.13E-06	1.16E-06	1.05E-06	4.69E-07	4.78E-07	2.17E-08	5.24E-07	1.16E-07	1.57E-07	2.49E-07	4.31E-08	3.15E-08	1.14E-06
1022	490386.72	3861285.12	1.93E-03	1.97E-03	1.97E-03	6.68E-07	2.02E-06	1.17E-06	1.19E-06	1.08E-06	4.83E-07	4.92E-07	2.23E-08	5.38E-07	1.19E-07	1.62E-07	2.56E-07	4.43E-08	3.24E-08	1.17E-06
1023	490436.72	3861285.12	1.95E-03	1.99E-03	1.99E-03	6.75E-07	2.04E-06	1.18E-06	1.20E-06	1.09E-06	4.88E-07	4.97E-07	2.25E-08	5.44E-07	1.20E-07	1.63E-07	2.59E-07	4.48E-08	3.28E-08	1.19E-06
1024	490486.72	3861285.12	1.97E-03	2.01E-03	2.00E-03	6.81E-07	2.06E-06	1.19E-06	1.21E-06	1.10E-06	4.92E-07	5.02E-07	2.27E-08	5.49E-07	1.21E-07	1.65E-07	2.61E-07	4.52E-08	3.31E-08	1.20E-06
1025	490536.72	3861285.12	1.99E-03	2.03E-03	2.03E-03	6.88E-07	2.08E-06	1.20E-06	1.23E-06	1.11E-06	4.97E-07	5.07E-07	2.30E-08	5.55E-07	1.22E-07	1.67E-07	2.64E-07	4.57E-08	3.34E-08	1.21E-06
1026	490586.72	3861285.12	2.01E-03	2.05E-03	2.05E-03	6.97E-07	2.10E-06	1.22E-06	1.24E-06	1.13E-06	5.04E-07	5.13E-07	2.33E-08	5.62E-07	1.24E-07	1.69E-07	2.68E-07	4.62E-08	3.39E-08	1.23E-06
1027	490636.72	3861285.12	2.02E-03	2.06E-03	2.06E-03	7.00E-07	2.11E-06	1.22E-06	1.25E-06	1.13E-06	5.06E-07	5.16E-07	2.34E-08	5.65E-07	1.25E-07	1.70E-07	2.69E-07	4.65E-08	3.40E-08	1.23E-06
1028	490686.72	3861285.12	2.04E-03	2.09E-03	2.08E-03	7.08E-07	2.14E-06	1.24E-06	1.26E-06	1.14E-06	5.12E-07	5.22E-07	2.36E-08	5.71E-07	1.26E-07	1.71E-07	2.72E-07	4.70E-08	3.44E-08	1.25E-06
1029	490736.72	3861285.12	2.08E-03	2.12E-03	2.12E-03	7.19E-07	2.17E-06	1.26E-06	1.28E-06	1.16E-06	5.20E-07	5.30E-07	2.40E-08	5.80E-07	1.28E-07	1.74E-07	2.76E-07	4.77E-08	3.50E-08	1.27E-06
1030	490786.72	3861285.12	2.10E-03	2.14E-03	2.14E-03	7.26E-07	2.19E-06	1.27E-06	1.30E-06	1.17E-06	5.25E-07	5.35E-07	2.43E-08	5.86E-07	1.29E-07	1.76E-07	2.79E-07	4.82E-08	3.53E-08	1.28E-06
1031	490836.72	3861285.12	2.11E-03	2.16E-03	2.16E-03	7.32E-07	2.21E-06	1.28E-06	1.31E-06	1.18E-06	5.29E-07	5.39E-07	2.44E-08	5.90E-07	1.30E-07	1.77E-07	2.81E-07	4.86E-08	3.56E-08	1.29E-06
1032	490061.24	3859716.13	2.21E-02	2.26E-02	2.26E-02	7.66E-06	2.31E-05	1.34E-05	1.37E-05	1.24E-05	5.54E-06	5.64E-06	2.56E-07	6.18E-06	1.36E-06	1.85E-06	2.94E-06	5.08E-07	3.72E-07	1.35E-05
1033	490111.24	3859716.13	2.53E-02	2.58E-02	2.58E-02	8.76E-06	2.64E-05	1.53E-05	1.56E-05	1.42E-05	6.33E-06	6.45E-06	2.92E-07	7.06E-06	1.56E-06	2.12E-06	3.36E-06	5.81E-07	4.26E-07	1.54E-05
1034	490161.24	3859716.13	2.93E-02	2.99E-02	2.98E-02	1.01E-05	3.06E-05	1.77E-05	1.81E-05	1.64E-05	7.33E-06	7.47E-06	3.39E-07	8.18E-06	1.80E-06	2.46E-06	3.89E-06	6.73E-07	4.93E-07	1.78E-05
1035	490211.24	3859716.13	3.44E-02	3.51E-02	3.51E-02	1.19E-05	3.60E-05	2.08E-05	2.13E-05	1.93E-05	8.62E-06	8.78E-06	3.98E-07	9.62E-06	2.12E-06	2.89E-06	4.58E-06	7.91E-07	5.79E-07	2.10E-05
1036	490061.24	3859766.13	1.74E-02	1.78E-02	1.78E-02	6.04E-06	1.82E-05	1.06E-05	1.08E-05	9.76E-06	4.37E-06	4.45E-06	2.02E-07	4.87E-06	1.07E-06	1.46E-06	2.32E-06	4.01E-07	2.93E-07	1.06E-05
1037	490111.24	3859766.13	1.92E-02	1.96E-02	1.96E-02	6.65E-06	2.01E-05	1.16E-05	1.19E-05	1.08E-05	4.81E-06	4.90E-06	2.22E-07	5.37E-06	1.18E-06	1.61E-06	2.56E-06	4.41E-07	3.23E-07	1.17E-05
1038	490161.24	3859766.13	2.13E-02	2.17E-02	2.17E-02	7.37E-06	2.22E-05	1.29E-05	1.31E-05	1.19E-05	5.33E-06	5.43E-06	2.46E-07	5.94E-06	1.31E-06	1.78E-06	2.83E-06	4.89E-07	3.58E-07	1.30E-05
1039	490211.24	3859766.13	2.39E-02	2.43E-02	2.43E-02	8.26E-06	2.49E-05	1.44E-05	1.47E-05	1.34E-05	5.97E-06	6.09E-06	2.76E-07	6.66E-06	1.47E-06	2.00E-06	3.17E-06	5.48E-07	4.01E-07	1.45E-05
1040	490061.24	3859816.13	1.44E-02	1.47E-02	1.46E-02	4.97E-06	1.50E-05	8.69E-06	8.87E-06	8.04E-06	3.60E-06	3.66E-06	1.66E-07	4.01E-06	8.85E-07	1.20E-06	1.91E-06	3.30E-07	2.42E-07	8.75E-06
1041	490111.24	3859816.13	1.55E-02	1.58E-02	1.58E-02	5.37E-06	1.62E-05	9.38E-06	9.57E-06	8.68E-06	3.88E-06	3.95E-06	1.79E-07	4.33E-06	9.55E-07	1.30E-06	2.06E-06	3.56E-07	2.61E-07	9.44E-06
1042	490161.24	3859816.13	1.68E-02	1.72E-02	1.71E-02	5.82E-06	1.76E-05	1.02E-05	1.04E-05	9.42E-06	4.21E-06	4.29E-06	1.94E-07	4.70E-06	1.04E-06	1.41E-06	2.24E-06	3.86E-07	2.83E-07	1.02E-05
1043	490211.24	3859816.13	1.83E-02	1.87E-02	1.87E-02	6.35E-06	1.92E-05	1.11E-05	1.13E-05	1.03E-05	4.59E-06	4.68E-06	2.12E-07	5.12E-06	1.13E-06	1.54E-06	2.44E-06	4.21E-07	3.08E-07	1.12E-05
1044	490061.24	3859866.13	1.22E-02	1.24E-02	1.24E-02	4.22E-06	1.27E-05	7.38E-06	7.53E-06	6.82E-06	3.05E-06	3.11E-06	1.41E-07	3.40E-06	7.51E-07	1.02E-06	1.62E-06	2.80E-07	2.05E-07	7.43E-06
1045	490111.24	3859866.13	1.30E-02	1.33E-02	1.33E-02	4.51E-06	1.36E-05	7.88E-06	8.04E-06	7.29E-06	3.26E-06	3.32E-06	1.51E-07	3.64E-06	8.02E-07	1.09E-06	1.73E-06	2.99E-07	2.19E-07	7.93E-06
1046	490161.24	3859866.13	1.40E-02	1.42E-02	1.42E-02	4.83E-06	1.46E-05	8.45E-06	8.62E-06	7.81E-06	3.49E-06	3.56E-06	1.61E-07	3.90E-06	8.60E-07	1.17E-06	1.86E-06	3.21E-07	2.35E-07	8.50E-06
1047	490211.24	3859866.13	1.50E-02	1.53E-02	1.53E-02	5.20E-06	1.57E-05	9.08E-06	9.27E-06	8.40E-06	3.76E-06	3.83E-06	1.73E-07	4.19E-06	9.25E-07	1.26E-06	2.00E-06	3.45E-07	2.53E-07	9.14E-06
1048	490061.24	3859916.13	1.06E-02	1.08E-02	1.08E-02	3.66E-06	1.10E-05	6.39E-06	6.52E-06	5.91E-06	2.64E-06	2.69E-06	1.22E-07	2.95E-06	6.51E-07	8.86E-07	1.40E-06	2.43E-07	1.78E-07	6.43E-06
1049	490111.24	3859916.13	1.12E-02	1.14E-02	1.14E-02	3.88E-06	1.17E-05	6.78E-06	6.92E-06	6.28E-06	2.81E-06	2.86E-06	1.30E-07	3.13E-06	6.91E-07	9.40E-07	1.49E-06	2.58E-07	1.89E-07	6.83E-06
1050	490161.24	3859916.13	1.19E-02	1.21E-02	1.21E-02	4.12E-06	1.24E-05	7.20E-06	7.35E-06	6.66E-06	2.98E-06	3.04E-06	1.38E-07	3.32E-06	7.33E-07	9.98E-07	1.58E-06	2.73E-07	2.00E-07	7.25E-06
1051	490211.24	3859916.13	1.26E-02	1.29E-02	1.29E-02	4.38E-06	1.32E-05	7.65E-06	7.81E-06	7.08E-06	3.16E-06	3.22E-06	1.46E-07	3.53E-06	7.79E-07	1.06E-06	1.68E-06	2.90E-07	2.13E-07	7.70E-06
1052	490229.25	3859815.26	1.91E-02	1.95E-02	1.95E-02	6.61E-06	2.00E-05	1.16E-05	1.18E-05	1.07E-05	4.78E-06	4.87E-06	2.21E-07	5.33E-06	1.18E-06	1.60E-06	2.54E-06	4.39E-07	3.21E-07	1.16E-05
1053	490279.25	3859815.26	2.10E-02	2.14E-02	2.14E-02	7.25E-06	2.19E-05	1.27E-05	1.29E-05	1.17E-05	5.24E-06	5.35E-06	2.42E-07	5.85E-06	1.29E-06	1.76E-06	2.79E-06	4.81E-07	3.53E-07	1.28E-05
1054	490329.25	3859815.26	2.32E-02	2.37E-02	2.36E-02	8.03E-06	2.42E-05	1.40E-05	1.43E-05	1.30E-05	5.80E-06	5.91E-06	2.68E-07	6.47E-06	1.43E-06	1.94E-06	3.08E-06	5.33E-07	3.90E-07	1.41E-05
1055	490379.25	3859815.26	2.64E-02	2.69E-02	2.69E-02	9.13E-06	2.76E-05	1.60E-05	1.63E-05	1.48E-05	6.60E-06	6.73E-06	3.05E-07	7.36E-06	1.62E-06	2.21E-06	3.51E-06	6.06E-07	4.44E-07	1.61E-05
1056	490429.25	3859815.26	3.10E-02	3.16E-02	3.15E-02	1.07E-05	3.24E-05	1.87E-05	1.91E-05	1.73E-05	7.75E-06	7.90E-06	3.58E-07	8.64E-06	1.91E-06	2.59E-06	4.12E-06	7.11E-07	5.21E-07	1.89E-05
1057	490229.25	3859865.26	1.55E-02	1.58E-02	1.58E-02	5.35E-06	1.62E-05	9.36E-06	9.55E-06	8.66E-06	3.87E-06	3.95E-06	1.79E-07	4.32E-06	9.53E-07	1.30E-06	2.06E-06	3.55E-07	2.60E-07	9.42E-06
1058	490279.25	3859865.26	1.67E-02	1.70E-02	1.70E-02	5.77E-06	1.74E-05	1.01E-05	1.03E-05	9.32E-06	4.17E-06	4.25E-06	1.93E-07	4.65E-06	1.03E-06	1.40E-06	2.22E-06	3.83E-07	2.80E-07	1.01E-05
1059	490329.25	3859865.26	1.80E-02	1.84E-02	1.84E-02	6.24E-06	1.88E-05	1.09E-05	1.11E-05	1.01E-05	4.51E-06	4.59E-06	2.08E-07	5.03E-06	1.11E-06	1.51E-06	2.40E-06	4.14E-07	3.03E-07	1.10E-05
1060	490379.25	3859865.26	1.97E-02	2.01E-02	2.01E-02	6.83E-06	2.06E-05	1.19E-05	1.22E-05	1.10E-05	4.94E-06	5.03E-06	2.28E-07	5.51E-06	1.22E-06	1.65E-06	2.62E-06	4.53E-07	3.32E-07	1.20E-05
1061	490429.25	3859865.26	2.19E-02	2.23E-02	2.23E-02	7.57E-06	2.29E-05	1.32E-05	1.35E-05	1.22E-05	5.48E-06	5.58E-06	2.53E-07	6.11E-06	1.35E-06	1.83E-06	2.91E-06	5.03E-07	3.68E-07	1.33E-05
1062	490229.25	3859915.26	1.30E-02	1.32E-02	1.32E-02	4.49E-06	1.36E-05	7.85E-06	8.02E-06	7.27E-06	3.25E-06	3.31E-06	1.50E-07	3.62E-06	8.00E-07	1.09E-06	1.73E-06	2.98E-07	2.18E-07	7.91E-06
1063	490279.25	3859915.26	1.38E-02	1.41E-02	1.40E-02	4.77E-06	1.44E-05	8.34E-06	8.51E-06	7.72E-06	3.45E-06	3.52E-06	1.59E-07	3.85E-06	8.49E-07	1.16E-06	1.83E-06	3.17E-07	2.32E-07	8.39E-06
1064	490329.25	3859915.26	1.47E-02	1.50E-02	1.50E-02	5.10E-06	1.54E-05	8.91E-06	9.09E-06	8.24E-06	3.69E-06	3.76E-06	1.70E-07	4.11E-06	9.07E-07	1.23E-06	1.96E-06	3.38E-07	2.48E-07	8.97E-06
1065	490379.25	3859915.26	1.58E-02	1.62E-02	1.61E-02	5.48E-06	1.65E-05	9.58E-06	9.77E-06	8.86E-06	3.96E-06	4.04E-06	1.83E-07	4.42E-06	9.75E-07	1.33E-06	2.11E-06	3.64E-07	2.66E-07	9.64E-06
1066	490429.25	3859915.26	1.71E-02	1.74E-02	1.74E-02	5.91E-06	1.79E-05	1.03E-05	1.05E-05	9.56E-06	4.28E-06	4.36E-06	1.97E-07	4.77E-06	1.05E-06	1.43E-06	2.27E-06	3.92E-07	2.87E-07	1.04E-05
1067	490451.43	3859872.59	2.20E-02	2.24E-02	2.24E-02	7.61E-06	2.30E-05	1.33E-05	1.36E-05	1.23E-05	5.50E-06	5.61E-06	2.54E-07	6.14E-06	1.35E-06	1.84E-06	2.92E-06	5.05E-07	3.70E-07	1.34E-05
1068	490501.43	3859872.59	2.50E-02	2.55E-02	2.54E-02	8.64E-06	2.61E-05	1.51E-05	1.54E-05	1.40E-05	6.25E-06	6.37E-06	2.89E-07	6.97E-06	1.54E-06	2.09E-06	3.32E-06	5.73E-07	4.20E-07	1.52E-05
1069	490551.43	3859872.59	2.93E-02	2.99E-02	2.99E-02	1.02E-05	3.07E-05	1.77E-05	1.81E-05	1.64E-05	7.34E-06	7.48E-06	3.39E-07	8.19E-06	1.81E-06	2.46E-06	3.90E-06	6.74E-07	4.93E-07	1.79E-05
1070	490601.43	3859872.59	3.53E-02	3.60E-02	3.60E-02	1.22E-05	3.69E-05	2.14E-05	2.18E-05	1.98E-05	8.83E-06	9.00E-06	4.08E-07	9.85E-06	2.17E-06	2.96E-06	4.69E-06	8.11E-07	5.94E-07	2.15E-05
1071	490451.43	3859922.59	1.72E-02	1.75E-02	1.75E-02	5.94E-06	1.79E-05	1.04E-05	1.06E-05	9.61E-06	4.30E-06	4.38E-06	1.98E-07	4.79E-06	1.06E-06	1.44E-06	2.28E-06	3.94E-07	2.89E-07	1.05E-05
1072	490501.43	3859922.59	1.88E-02	1.92E-02	1.92E-02	6.51E-06	1.96E-05	1.14E-05	1.16E-05	1.05E-05	4.70E-06	4.79E-06	2.17E-07	5.25E-06	1.16E-06	1.58E-06	2.50E-06	4.32E-07	3.16E-07	1.14E-05
1073	490551.43	3859922.59	2.11E-02	2.15E-02	2.15E-02	7.29E-06	2.20E-05	1.27E-05	1.30E-05	1.18E-05	5.27E-06	5.37E-06	2.43E-07	5.88E-06	1.30E-06	1.77E-06	2.80E-06	4.84E-07	3.54E-07	1.28E-05
1074	490601.43	3859922.59	2.41E-02	2.46E-02	2.45E-02	8.33E-06	2.52E-05	1.46E-05	1.49E-05	1.35E-05	6.02E-06	6.14E-06	2.78E-07	6.72E-06	1.48E-06	2.02E-06	3.20E-06	5.53E-07	4.05E-07	1.47E-05
1075	482129.67	3852241.07	3.62E-02	3.69E-02	3.69E-02	1.25E-05	3.78E-05	2.19E-05	2.23E-05	2.03E-05	9.06E-06	9.23E-06	4.18E-07	1.01E-05	2.23E-06	3.03E-06	4.81E-06	8.31E-07	6.09E-07	2.20E-05
1076	482029.67	3852291.07	5.89E-02	6.01E-02	6.00E-02	2.04E-05	6.15E-05	3.56E-05	3.63E-05	3.30E-05	1.47E-05	1.50E-05	6.81E-07	1.64E-05	3.63E-06	4.94E-06	7.83E-06	1.35E-06	9.91E-07	3.59E-05

1077	482079.67	3852291.07	4.84E-02	4.94E-02	4.93E-02	1.68E-05	5.06E-05	2.93E-05	2.99E-05	2.71E-05	1.21E-05	1.23E-05	5.60E-07	1.35E-05	2.98E-06	4.06E-06	6.44E-06	1.11E-06	8.14E-07	2.95E-05
1078	482129.67	3852291.07	4.11E-02	4.19E-02	4.19E-02	1.42E-05	4.30E-05	2.49E-05	2.54E-05	2.30E-05	1.03E-05	1.05E-05	4.75E-07	1.15E-05	2.53E-06	3.45E-06	5.47E-06	9.44E-07	6.92E-07	2.50E-05
1079	482179.67	3852291.07	3.54E-02	3.61E-02	3.61E-02	1.23E-05	3.70E-05	2.14E-05	2.19E-05	1.98E-05	8.86E-06	9.04E-06	4.09E-07	9.89E-06	2.18E-06	2.97E-06	4.71E-06	8.14E-07	5.96E-07	2.16E-05
1080	482229.67	3852291.07	3.05E-02	3.11E-02	3.10E-02	1.05E-05	3.18E-05	1.84E-05	1.88E-05	1.70E-05	7.62E-06	7.77E-06	3.52E-07	8.51E-06	1.88E-06	2.55E-06	4.05E-06	7.00E-07	5.13E-07	1.86E-05
1081	482029.67	3852341.07	7.40E-02	7.55E-02	7.55E-02	2.56E-05	7.74E-05	4.48E-05	4.57E-05	4.14E-05	1.85E-05	1.89E-05	8.56E-07	2.07E-05	4.56E-06	6.21E-06	9.85E-06	1.70E-06	1.25E-06	4.51E-05
1082	482079.67	3852341.07	5.83E-02	5.95E-02	5.94E-02	2.02E-05	6.09E-05	3.53E-05	3.60E-05	3.26E-05	1.46E-05	1.49E-05	6.74E-07	1.63E-05	3.59E-06	4.89E-06	7.75E-06	1.34E-06	9.81E-07	3.55E-05
1083	482129.67	3852341.07	4.80E-02	4.90E-02	4.89E-02	1.66E-05	5.01E-05	2.90E-05	2.96E-05	2.68E-05	1.20E-05	1.22E-05	5.55E-07	1.34E-05	2.96E-06	4.02E-06	6.38E-06	1.10E-06	8.07E-07	2.92E-05
1084	482179.67	3852341.07	4.06E-02	4.15E-02	4.14E-02	1.41E-05	4.25E-05	2.46E-05	2.51E-05	2.27E-05	1.02E-05	1.04E-05	4.70E-07	1.13E-05	2.50E-06	3.41E-06	5.41E-06	9.34E-07	6.84E-07	2.48E-05
1085	482259.06	3852400.14	3.85E-02	3.93E-02	3.92E-02	1.33E-05	4.02E-05	2.33E-05	2.38E-05	2.15E-05	9.63E-06	9.81E-06	4.45E-07	1.07E-05	2.37E-06	3.23E-06	5.12E-06	8.84E-07	6.47E-07	2.34E-05
1086	482309.06	3852400.14	3.29E-02	3.36E-02	3.35E-02	1.14E-05	3.44E-05	1.99E-05	2.03E-05	1.84E-05	8.24E-06	8.39E-06	3.80E-07	9.19E-06	2.03E-06	2.76E-06	4.38E-06	7.56E-07	5.54E-07	2.00E-05
1087	482209.06	3852450.14	5.20E-02	5.31E-02	5.30E-02	1.80E-05	5.44E-05	3.15E-05	3.21E-05	2.91E-05	1.30E-05	1.33E-05	6.01E-07	1.45E-05	3.20E-06	4.36E-06	6.92E-06	1.19E-06	8.75E-07	3.17E-05
1088	482259.06	3852450.14	4.42E-02	4.51E-02	4.50E-02	1.53E-05	4.61E-05	2.67E-05	2.73E-05	2.47E-05	1.11E-05	1.13E-05	5.10E-07	1.23E-05	2.72E-06	3.70E-06	5.87E-06	1.01E-06	7.43E-07	2.69E-05
1089	482309.06	3852450.14	3.79E-02	3.86E-02	3.86E-02	1.31E-05	3.96E-05	2.29E-05	2.34E-05	2.12E-05	9.48E-06	9.66E-06	4.38E-07	1.06E-05	2.33E-06	3.17E-06	5.03E-06	8.70E-07	6.37E-07	2.31E-05
1090	482209.06	3852500.14	6.30E-02	6.43E-02	6.42E-02	2.18E-05	6.58E-05	3.81E-05	3.89E-05	3.53E-05	1.58E-05	1.61E-05	7.28E-07	1.76E-05	3.88E-06	5.28E-06	8.38E-06	1.45E-06	1.06E-06	3.84E-05
1091	482259.06	3852500.14	5.21E-02	5.32E-02	5.31E-02	1.80E-05	5.45E-05	3.15E-05	3.22E-05	2.92E-05	1.30E-05	1.33E-05	6.03E-07	1.46E-05	3.21E-06	4.37E-06	6.93E-06	1.20E-06	8.77E-07	3.17E-05
1092	482309.06	3852500.14	4.37E-02	4.46E-02	4.45E-02	1.51E-05	4.57E-05	2.64E-05	2.70E-05	2.45E-05	1.09E-05	1.11E-05	5.05E-07	1.22E-05	2.69E-06	3.66E-06	5.81E-06	1.00E-06	7.35E-07	2.66E-05
1093	482283.91	3852513.62	4.99E-02	5.10E-02	5.09E-02	1.73E-05	5.22E-05	3.02E-05	3.08E-05	2.80E-05	1.25E-05	1.27E-05	5.77E-07	1.39E-05	3.08E-06	4.19E-06	6.64E-06	1.15E-06	8.40E-07	3.04E-05
1094	482333.91	3852513.62	4.21E-02	4.30E-02	4.29E-02	1.46E-05	4.40E-05	2.55E-05	2.60E-05	2.36E-05	1.05E-05	1.07E-05	4.87E-07	1.18E-05	2.59E-06	3.53E-06	5.60E-06	9.67E-07	7.08E-07	2.56E-05
1095	482283.91	3852563.62	5.98E-02	6.10E-02	6.09E-02	2.07E-05	6.25E-05	3.62E-05	3.69E-05	3.35E-05	1.50E-05	1.52E-05	6.91E-07	1.67E-05	3.68E-06	5.01E-06	7.95E-06	1.37E-06	1.01E-06	3.64E-05
1096	482333.91	3852563.62	4.95E-02	5.05E-02	5.04E-02	1.71E-05	5.17E-05	2.99E-05	3.06E-05	2.77E-05	1.24E-05	1.26E-05	5.72E-07	1.38E-05	3.05E-06	4.15E-06	6.58E-06	1.14E-06	8.33E-07	3.01E-05
1097	482383.91	3852563.62	4.19E-02	4.28E-02	4.27E-02	1.45E-05	4.38E-05	2.54E-05	2.59E-05	2.35E-05	1.05E-05	1.07E-05	4.84E-07	1.17E-05	2.58E-06	3.51E-06	5.57E-06	9.63E-07	7.05E-07	2.55E-05
1098	482283.91	3852613.62	7.70E-02	7.85E-02	7.84E-02	2.66E-05	8.04E-05	4.66E-05	4.75E-05	4.31E-05	1.93E-05	1.96E-05	8.90E-07	2.15E-05	4.74E-06	6.45E-06	1.02E-05	1.77E-06	1.29E-06	4.69E-05
1099	482333.91	3852613.62	5.97E-02	6.09E-02	6.08E-02	2.07E-05	6.24E-05	3.61E-05	3.68E-05	3.34E-05	1.49E-05	1.52E-05	6.90E-07	1.67E-05	3.68E-06	5.00E-06	7.94E-06	1.37E-06	1.00E-06	3.63E-05
1100	482383.91	3852613.62	4.89E-02	4.99E-02	4.99E-02	1.69E-05	5.11E-05	2.96E-05	3.02E-05	2.74E-05	1.22E-05	1.25E-05	5.66E-07	1.37E-05	3.01E-06	4.10E-06	6.51E-06	1.12E-06	8.23E-07	2.98E-05
1101	482602.38	3852600.87	2.54E-02	2.60E-02	2.59E-02	8.81E-06	2.66E-05	1.54E-05	1.57E-05	1.42E-05	6.37E-06	6.49E-06	2.94E-07	7.11E-06	1.57E-06	2.13E-06	3.38E-06	5.85E-07	4.28E-07	1.55E-05
1102	482652.38	3852600.87	2.32E-02	2.37E-02	2.36E-02	8.03E-06	2.42E-05	1.40E-05	1.43E-05	1.30E-05	5.81E-06	5.92E-06	2.68E-07	6.48E-06	1.43E-06	1.94E-06	3.08E-06	5.33E-07	3.90E-07	1.41E-05
1103	482702.38	3852600.87	2.04E-02	2.09E-02	2.08E-02	7.07E-06	2.14E-05	1.24E-05	1.26E-05	1.14E-05	5.11E-06	5.21E-06	2.36E-07	5.71E-06	1.26E-06	1.71E-06	2.72E-06	4.69E-07	3.44E-07	1.24E-05
1104	482552.38	3852650.87	3.28E-02	3.35E-02	3.34E-02	1.13E-05	3.43E-05	1.98E-05	2.02E-05	1.83E-05	8.20E-06	8.36E-06	3.79E-07	9.15E-06	2.02E-06	2.75E-06	4.36E-06	7.53E-07	5.52E-07	2.00E-05
1105	482602.38	3852650.87	2.84E-02	2.90E-02	2.89E-02	9.83E-06	2.97E-05	1.72E-05	1.75E-05	1.59E-05	7.11E-06	7.24E-06	3.28E-07	7.93E-06	1.75E-06	2.38E-06	3.78E-06	6.52E-07	4.78E-07	1.73E-05
1106	482652.38	3852650.87	2.57E-02	2.62E-02	2.62E-02	8.90E-06	2.69E-05	1.55E-05	1.59E-05	1.44E-05	6.43E-06	6.56E-06	2.97E-07	7.18E-06	1.58E-06	2.15E-06	3.42E-06	5.90E-07	4.32E-07	1.57E-05
1107	482702.38	3852650.87	2.35E-02	2.40E-02	2.39E-02	8.13E-06	2.45E-05	1.42E-05	1.45E-05	1.31E-05	5.88E-06	5.99E-06	2.71E-07	6.56E-06	1.45E-06	1.97E-06	3.12E-06	5.39E-07	3.95E-07	1.43E-05
1108	482552.38	3852700.87	3.71E-02	3.79E-02	3.78E-02	1.29E-05	3.88E-05	2.25E-05	2.29E-05	2.08E-05	9.29E-06	9.47E-06	4.29E-07	1.04E-05	2.29E-06	3.11E-06	4.94E-06	8.53E-07	6.25E-07	2.26E-05
1109	482602.38	3852700.87	3.27E-02	3.34E-02	3.34E-02	1.13E-05	3.42E-05	1.98E-05	2.02E-05	1.83E-05	8.19E-06	8.35E-06	3.78E-07	9.14E-06	2.02E-06	2.74E-06	4.35E-06	7.52E-07	5.51E-07	1.99E-05
1110	482652.38	3852700.87	2.96E-02	3.02E-02	3.02E-02	1.03E-05	3.10E-05	1.79E-05	1.83E-05	1.66E-05	7.42E-06	7.56E-06	3.43E-07	8.27E-06	1.83E-06	2.48E-06	3.94E-06	6.81E-07	4.99E-07	1.80E-05
1111	482702.38	3852700.87	2.66E-02	2.72E-02	2.72E-02	9.22E-06	2.79E-05	1.61E-05	1.65E-05	1.49E-05	6.67E-06	6.80E-06	3.08E-07	7.44E-06	1.64E-06	2.23E-06	3.54E-06	6.12E-07	4.48E-07	1.62E-05
1112	482452.38	3852750.87	6.41E-02	6.54E-02	6.54E-02	2.22E-05	6.70E-05	3.88E-05	3.96E-05	3.59E-05	1.61E-05	1.64E-05	7.41E-07	1.79E-05	3.95E-06	5.38E-06	8.53E-06	1.47E-06	1.08E-06	3.91E-05
1113	482521.29	3852749.74	4.77E-02	4.86E-02	4.86E-02	1.65E-05	4.98E-05	2.88E-05	2.94E-05	2.67E-05	1.19E-05	1.22E-05	5.51E-07	1.33E-05	2.94E-06	4.00E-06	6.34E-06	1.09E-06	8.02E-07	2.90E-05
1114	482571.29	3852749.74	4.04E-02	4.12E-02	4.12E-02	1.40E-05	4.22E-05	2.44E-05	2.49E-05	2.26E-05	1.01E-05	1.03E-05	4.67E-07	1.13E-05	2.49E-06	3.39E-06	5.37E-06	9.28E-07	6.79E-07	2.46E-05
1115	482521.29	3852799.74	5.77E-02	5.89E-02	5.88E-02	2.00E-05	6.03E-05	3.49E-05	3.56E-05	3.23E-05	1.44E-05	1.47E-05	6.67E-07	1.61E-05	3.55E-06	4.84E-06	7.67E-06	1.32E-06	9.71E-07	3.51E-05
1116	482571.29	3852799.74	4.73E-02	4.83E-02	4.82E-02	1.64E-05	4.94E-05	2.86E-05	2.92E-05	2.65E-05	1.18E-05	1.21E-05	5.47E-07	1.32E-05	2.91E-06	3.96E-06	6.29E-06	1.09E-06	7.96E-07	2.88E-05
1117	482621.29	3852799.74	4.01E-02	4.09E-02	4.09E-02	1.39E-05	4.19E-05	2.43E-05	2.48E-05	2.25E-05	1.00E-05	1.02E-05	4.64E-07	1.12E-05	2.47E-06	3.36E-06	5.34E-06	9.22E-07	6.75E-07	2.44E-05
1118	482571.29	3852849.74	5.70E-02	5.81E-02	5.80E-02	1.97E-05	5.95E-05	3.45E-05	3.52E-05	3.19E-05	1.43E-05	1.45E-05	6.58E-07	1.59E-05	3.51E-06	4.77E-06	7.57E-06	1.31E-06	9.58E-07	3.47E-05
1119	482621.29	3852849.74	4.67E-02	4.77E-02	4.76E-02	1.62E-05	4.88E-05	2.83E-05	2.88E-05	2.61E-05	1.17E-05	1.19E-05	5.40E-07	1.30E-05	2.88E-06	3.92E-06	6.21E-06	1.07E-06	7.86E-07	2.84E-05
1120	482577.42	3852901.55	7.00E-02	7.15E-02	7.14E-02	2.42E-05	7.32E-05	4.24E-05	4.32E-05	3.92E-05	1.75E-05	1.79E-05	8.09E-07	1.96E-05	4.31E-06	5.87E-06	9.31E-06	1.61E-06	1.18E-06	4.26E-05
1121	482627.42	3852901.55	5.51E-02	5.62E-02	5.61E-02	1.91E-05	5.75E-05	3.33E-05	3.40E-05	3.08E-05	1.38E-05	1.40E-05	6.36E-07	1.54E-05	3.39E-06	4.62E-06	7.32E-06	1.26E-06	9.26E-07	3.35E-05
1122	482629.96	3852955.85	6.83E-02	6.96E-02	6.96E-02	2.36E-05	7.13E-05	4.13E-05	4.21E-05	3.82E-05	1.71E-05	1.74E-05	7.89E-07	1.91E-05	4.21E-06	5.72E-06	9.08E-06	1.57E-06	1.15E-06	4.16E-05
1123	482679.96	3852955.85	5.32E-02	5.43E-02	5.43E-02	1.84E-05	5.57E-05	3.22E-05	3.29E-05	2.98E-05	1.33E-05	1.36E-05	6.16E-07	1.49E-05	3.28E-06	4.46E-06	7.08E-06	1.22E-06	8.96E-07	3.24E-05
1124	482781.63	3853034.48	4.31E-02	4.40E-02	4.40E-02	1.49E-05	4.51E-05	2.61E-05	2.66E-05	2.41E-05	1.08E-05	1.10E-05	4.98E-07	1.20E-05	2.66E-06	3.61E-06	5.73E-06	9.90E-07	7.26E-07	2.63E-05
1125	482831.63	3853034.48	3.60E-02	3.67E-02	3.67E-02	1.25E-05	3.76E-05	2.18E-05	2.22E-05	2.02E-05	9.01E-06	9.19E-06	4.16E-07	1.01E-05	2.22E-06	3.02E-06	4.79E-06	8.27E-07	6.06E-07	2.19E-05
1126	482881.63	3853034.48	3.07E-02	3.13E-02	3.13E-02	1.06E-05	3.21E-05	1.86E-05	1.89E-05	1.72E-05	7.68E-06	7.82E-06	3.55E-07	8.56E-06	1.89E-06	2.57E-06	4.08E-06	7.04E-07	5.16E-07	1.87E-05
1127	482781.63	3853084.48	4.75E-02	4.85E-02	4.84E-02	1.64E-05	4.96E-05	2.87E-05	2.93E-05	2.66E-05	1.19E-05	1.21E-05	5.49E-07	1.33E-05	2.93E-06	3.98E-06	6.32E-06	1.09E-06	7.99E-07	2.89E-05
1128	482831.63	3853084.48	3.90E-02	3.98E-02	3.97E-02	1.35E-05	4.08E-05	2.36E-05	2.41E-05	2.18E-05	9.76E-06	9.95E-06	4.51E-07	1.09E-05	2.40E-06	3.27E-06	5.19E-06	8.96E-07	6.56E-07	2.37E-05
1129	482881.63	3853084.48	3.31E-02	3.38E-02	3.37E-02	1.15E-05	3.46E-05	2.00E-05	2.04E-05	1.85E-05	8.29E-06	8.44E-06	3.83E-07	9.24E-06	2.04E-06	2.78E-06	4.40E-06	7.60E-07	5.57E-07	2.02E-05
1130	482781.63	3853134.48	5.31E-02	5.42E-02	5.41E-02	1.84E-05	5.55E-05	3.21E-05	3.28E-05	2.97E-05	1.33E-05	1.35E-05	6.14E-07	1.48E-05	3.27E-06	4.45E-06	7.06E-06	1.22E-06	8.93E-07	3.23E-05
1131	482831.63	3853134.48	4.26E-02	4.34E-02	4.34E-02	1.47E-05	4.45E-05	2.58E-05	2.63E-05	2.38E-05	1.07E-05	1.09E-05	4.92E-07	1.19E-05	2.62E-06	3.57E-06	5.66E-06	9.78E-07	7.16E-07	2.59E-05
1132	482881.63	3853134.48	3.58E-02	3.65E-02	3.65E-02	1.24E-05	3.74E-05	2.17E-05	2.21E-05	2.00E-05	8.96E-06	9.13E-06	4.14E-07	1.00E-05	2.21E-06	3.00E-06	4.76E-06	8.23E-07	6.03E-07	2.18E-05
1133	482831.63	3853184.48	4.72E-02	4.82E-02	4.81E-02	1.63E-05	4.93E-05	2.86E-05	2.91E-05	2.64E-05	1.18E-05	1.20E-05	5.46E-07	1.32E-05	2.91E-06	3.96E-06	6.28E-06	1.08E-06	7.94E-07	2.87E-05

1134	482881.63	3853184.48	3.88E-02	3.95E-02	3.95E-02	1.34E-05	4.05E-05	2.35E-05	2.39E-05	2.17E-05	9.70E-06	9.89E-06	4.48E-07	1.08E-05	2.39E-06	3.25E-06	5.15E-06	8.90E-07	6.52E-07	2.36E-05
1135	484154.84	3854250.98	1.91E-03	1.95E-03	1.94E-03	6.60E-07	1.99E-06	1.15E-06	1.18E-06	1.07E-06	4.77E-07	4.86E-07	2.20E-08	5.32E-07	1.17E-07	1.60E-07	2.54E-07	4.38E-08	3.21E-08	1.16E-06
1136	484204.84	3854250.98	1.89E-03	1.93E-03	1.92E-03	6.54E-07	1.97E-06	1.14E-06	1.17E-06	1.06E-06	4.72E-07	4.82E-07	2.18E-08	5.27E-07	1.16E-07	1.58E-07	2.51E-07	4.34E-08	3.18E-08	1.15E-06
1137	484154.84	3854300.98	1.80E-03	1.84E-03	1.84E-03	6.24E-07	1.88E-06	1.09E-06	1.11E-06	1.01E-06	4.51E-07	4.59E-07	2.08E-08	5.03E-07	1.11E-07	1.51E-07	2.40E-07	4.14E-08	3.03E-08	1.10E-06
1138	484204.84	3854300.98	1.80E-03	1.83E-03	1.83E-03	6.21E-07	1.88E-06	1.09E-06	1.11E-06	1.00E-06	4.49E-07	4.58E-07	2.08E-08	5.01E-07	1.11E-07	1.50E-07	2.39E-07	4.12E-08	3.02E-08	1.09E-06
1139	484074.19	3854519.8	1.51E-03	1.54E-03	1.54E-03	5.22E-07	1.58E-06	9.12E-07	9.31E-07	8.44E-07	3.77E-07	3.85E-07	1.74E-08	4.21E-07	9.29E-08	1.26E-07	2.01E-07	3.46E-08	2.54E-08	9.18E-07
1140	484124.19	3854519.8	1.50E-03	1.53E-03	1.52E-03	5.18E-07	1.56E-06	9.05E-07	9.23E-07	8.37E-07	3.74E-07	3.81E-07	1.73E-08	4.17E-07	9.21E-08	1.25E-07	1.99E-07	3.43E-08	2.52E-08	9.11E-07
1141	484074.19	3854569.8	1.45E-03	1.48E-03	1.48E-03	5.02E-07	1.52E-06	8.78E-07	8.96E-07	8.12E-07	3.63E-07	3.70E-07	1.68E-08	4.05E-07	8.94E-08	1.22E-07	1.93E-07	3.33E-08	2.44E-08	8.84E-07
1142	484124.19	3854569.8	1.43E-03	1.46E-03	1.46E-03	4.95E-07	1.49E-06	8.65E-07	8.83E-07	8.00E-07	3.58E-07	3.65E-07	1.65E-08	3.99E-07	8.81E-08	1.20E-07	1.90E-07	3.28E-08	2.41E-08	8.71E-07
1143	485205.11	3855188.89	1.21E-03	1.23E-03	1.23E-03	4.18E-07	1.26E-06	7.31E-07	7.46E-07	6.76E-07	3.02E-07	3.08E-07	1.40E-08	3.37E-07	7.44E-08	1.01E-07	1.61E-07	2.77E-08	2.03E-08	7.36E-07
1144	485255.11	3855188.89	1.19E-03	1.22E-03	1.21E-03	4.12E-07	1.25E-06	7.21E-07	7.36E-07	6.67E-07	2.98E-07	3.04E-07	1.38E-08	3.33E-07	7.34E-08	9.99E-08	1.58E-07	2.74E-08	2.00E-08	7.26E-07
1145	485205.11	3855238.89	1.19E-03	1.21E-03	1.21E-03	4.11E-07	1.24E-06	7.19E-07	7.33E-07	6.65E-07	2.97E-07	3.03E-07	1.37E-08	3.32E-07	7.32E-08	9.96E-08	1.58E-07	2.73E-08	2.00E-08	7.23E-07
1146	485255.11	3855238.89	1.18E-03	1.20E-03	1.20E-03	4.09E-07	1.23E-06	7.14E-07	7.29E-07	6.61E-07	2.96E-07	3.01E-07	1.36E-08	3.30E-07	7.27E-08	9.90E-08	1.57E-07	2.71E-08	1.99E-08	7.19E-07
1147	485205.11	3855288.89	1.19E-03	1.22E-03	1.21E-03	4.12E-07	1.25E-06	7.21E-07	7.36E-07	6.67E-07	2.98E-07	3.04E-07	1.38E-08	3.33E-07	7.34E-08	9.99E-08	1.58E-07	2.74E-08	2.00E-08	7.26E-07
1148	485255.11	3855288.89	1.18E-03	1.20E-03	1.20E-03	4.09E-07	1.23E-06	7.14E-07	7.29E-07	6.61E-07	2.96E-07	3.01E-07	1.36E-08	3.30E-07	7.27E-08	9.90E-08	1.57E-07	2.71E-08	1.99E-08	7.19E-07
1149	485255.11	3855338.89	1.18E-03	1.20E-03	1.20E-03	4.08E-07	1.23E-06	7.13E-07	7.27E-07	6.59E-07	2.95E-07	3.01E-07	1.36E-08	3.29E-07	7.26E-08	9.88E-08	1.57E-07	2.71E-08	1.98E-08	7.17E-07
1150	485305.11	3855338.89	1.17E-03	1.19E-03	1.19E-03	4.04E-07	1.22E-06	7.07E-07	7.21E-07	6.54E-07	2.92E-07	2.98E-07	1.35E-08	3.26E-07	7.19E-08	9.79E-08	1.55E-07	2.68E-08	1.96E-08	7.11E-07
1151	485852.5	3855635.28	1.05E-03	1.08E-03	1.07E-03	3.65E-07	1.10E-06	6.38E-07	6.51E-07	5.90E-07	2.64E-07	2.69E-07	1.22E-08	2.94E-07	6.49E-08	8.83E-08	1.40E-07	2.42E-08	1.77E-08	6.42E-07
1152	485902.5	3855635.28	1.04E-03	1.07E-03	1.06E-03	3.61E-07	1.09E-06	6.32E-07	6.44E-07	5.84E-07	2.61E-07	2.66E-07	1.21E-08	2.91E-07	6.43E-08	8.75E-08	1.39E-07	2.40E-08	1.76E-08	6.36E-07
1153	485852.5	3855685.28	1.05E-03	1.07E-03	1.07E-03	3.62E-07	1.09E-06	6.33E-07	6.46E-07	5.86E-07	2.62E-07	2.67E-07	1.21E-08	2.92E-07	6.45E-08	8.77E-08	1.39E-07	2.40E-08	1.76E-08	6.37E-07
1154	485902.5	3855685.28	1.04E-03	1.06E-03	1.06E-03	3.59E-07	1.08E-06	6.27E-07	6.40E-07	5.80E-07	2.59E-07	2.64E-07	1.20E-08	2.89E-07	6.39E-08	8.69E-08	1.38E-07	2.38E-08	1.74E-08	6.31E-07
1155	485852.5	3855735.28	1.04E-03	1.06E-03	1.06E-03	3.60E-07	1.09E-06	6.29E-07	6.41E-07	5.82E-07	2.60E-07	2.65E-07	1.20E-08	2.90E-07	6.40E-08	8.71E-08	1.38E-07	2.39E-08	1.75E-08	6.33E-07
1156	485902.5	3855735.28	1.03E-03	1.05E-03	1.05E-03	3.57E-07	1.08E-06	6.25E-07	6.37E-07	5.78E-07	2.58E-07	2.63E-07	1.19E-08	2.88E-07	6.36E-08	8.65E-08	1.37E-07	2.37E-08	1.74E-08	6.29E-07
1157	485852.5	3855785.28	1.03E-03	1.05E-03	1.05E-03	3.58E-07	1.08E-06	6.25E-07	6.38E-07	5.78E-07	2.59E-07	2.64E-07	1.19E-08	2.89E-07	6.37E-08	8.66E-08	1.37E-07	2.37E-08	1.74E-08	6.29E-07
1158	485902.5	3855785.28	1.02E-03	1.05E-03	1.04E-03	3.55E-07	1.07E-06	6.20E-07	6.33E-07	5.73E-07	2.56E-07	2.61E-07	1.18E-08	2.86E-07	6.31E-08	8.59E-08	1.36E-07	2.35E-08	1.72E-08	6.24E-07
1159	486809.46	3856465.28	8.94E-04	9.12E-04	9.11E-04	3.09E-07	9.34E-07	5.41E-07	5.52E-07	5.00E-07	2.24E-07	2.28E-07	1.03E-08	2.50E-07	5.51E-08	7.49E-08	1.19E-07	2.05E-08	1.50E-08	5.44E-07
1160	486859.46	3856465.28	8.92E-04	9.10E-04	9.09E-04	3.09E-07	9.32E-07	5.40E-07	5.51E-07	4.99E-07	2.23E-07	2.28E-07	1.03E-08	2.49E-07	5.50E-08	7.48E-08	1.19E-07	2.05E-08	1.50E-08	5.43E-07
1161	486909.46	3856465.28	8.89E-04	9.07E-04	9.06E-04	3.08E-07	9.29E-07	5.38E-07	5.49E-07	4.98E-07	2.22E-07	2.27E-07	1.03E-08	2.48E-07	5.48E-08	7.45E-08	1.18E-07	2.04E-08	1.50E-08	5.41E-07
1162	486809.46	3856515.28	8.95E-04	9.13E-04	9.12E-04	3.10E-07	9.35E-07	5.41E-07	5.52E-07	5.01E-07	2.24E-07	2.28E-07	1.03E-08	2.50E-07	5.51E-08	7.50E-08	1.19E-07	2.05E-08	1.51E-08	5.45E-07
1163	486859.46	3856515.28	8.94E-04	9.13E-04	9.11E-04	3.10E-07	9.35E-07	5.41E-07	5.52E-07	5.01E-07	2.24E-07	2.28E-07	1.03E-08	2.50E-07	5.51E-08	7.50E-08	1.19E-07	2.05E-08	1.50E-08	5.45E-07
1164	486909.46	3856515.28	8.93E-04	9.11E-04	9.10E-04	3.09E-07	9.33E-07	5.40E-07	5.51E-07	5.00E-07	2.23E-07	2.28E-07	1.03E-08	2.49E-07	5.50E-08	7.48E-08	1.19E-07	2.05E-08	1.50E-08	5.44E-07
1165	486980.94	3856357.95	8.85E-04	9.03E-04	9.02E-04	3.06E-07	9.25E-07	5.36E-07	5.47E-07	4.95E-07	2.22E-07	2.26E-07	1.02E-08	2.47E-07	5.45E-08	7.42E-08	1.18E-07	2.03E-08	1.49E-08	5.39E-07
1166	487030.94	3856357.95	8.85E-04	9.03E-04	9.02E-04	3.06E-07	9.25E-07	5.35E-07	5.46E-07	4.95E-07	2.21E-07	2.26E-07	1.02E-08	2.47E-07	5.45E-08	7.42E-08	1.18E-07	2.03E-08	1.49E-08	5.39E-07
1167	486980.94	3856407.95	8.86E-04	9.04E-04	9.03E-04	3.07E-07	9.26E-07	5.36E-07	5.47E-07	4.96E-07	2.22E-07	2.26E-07	1.02E-08	2.47E-07	5.46E-08	7.43E-08	1.18E-07	2.03E-08	1.49E-08	5.39E-07
1168	487030.94	3856407.95	8.84E-04	9.02E-04	9.01E-04	3.06E-07	9.24E-07	5.35E-07	5.46E-07	4.95E-07	2.21E-07	2.26E-07	1.02E-08	2.47E-07	5.45E-08	7.41E-08	1.18E-07	2.03E-08	1.49E-08	5.39E-07
1169	487447.18	3856437.45	8.88E-04	9.06E-04	9.05E-04	3.07E-07	9.28E-07	5.37E-07	5.48E-07	4.97E-07	2.22E-07	2.27E-07	1.03E-08	2.48E-07	5.47E-08	7.44E-08	1.18E-07	2.04E-08	1.49E-08	5.41E-07
1170	487497.18	3856437.45	8.90E-04	9.08E-04	9.07E-04	3.08E-07	9.30E-07	5.39E-07	5.50E-07	4.98E-07	2.23E-07	2.27E-07	1.03E-08	2.49E-07	5.48E-08	7.46E-08	1.18E-07	2.04E-08	1.50E-08	5.42E-07
1171	487547.18	3856437.45	8.92E-04	9.10E-04	9.09E-04	3.09E-07	9.33E-07	5.40E-07	5.51E-07	4.99E-07	2.23E-07	2.28E-07	1.03E-08	2.49E-07	5.50E-08	7.48E-08	1.19E-07	2.05E-08	1.50E-08	5.43E-07
1172	487447.18	3856487.45	8.87E-04	9.05E-04	9.04E-04	3.07E-07	9.27E-07	5.37E-07	5.48E-07	4.96E-07	2.22E-07	2.26E-07	1.03E-08	2.48E-07	5.46E-08	7.44E-08	1.18E-07	2.04E-08	1.49E-08	5.40E-07
1173	487497.18	3856487.45	8.88E-04	9.07E-04	9.05E-04	3.08E-07	9.29E-07	5.38E-07	5.49E-07	4.97E-07	2.22E-07	2.27E-07	1.03E-08	2.48E-07	5.47E-08	7.45E-08	1.18E-07	2.04E-08	1.49E-08	5.41E-07
1174	487547.18	3856487.45	8.91E-04	9.09E-04	9.08E-04	3.08E-07	9.31E-07	5.39E-07	5.50E-07	4.99E-07	2.23E-07	2.27E-07	1.03E-08	2.49E-07	5.49E-08	7.47E-08	1.18E-07	2.05E-08	1.50E-08	5.43E-07
1175	487447.18	3856537.45	8.86E-04	9.04E-04	9.03E-04	3.07E-07	9.26E-07	5.36E-07	5.47E-07	4.96E-07	2.22E-07	2.26E-07	1.02E-08	2.47E-07	5.46E-08	7.43E-08	1.18E-07	2.04E-08	1.49E-08	5.40E-07
1176	487497.18	3856537.45	8.88E-04	9.06E-04	9.05E-04	3.07E-07	9.28E-07	5.37E-07	5.48E-07	4.97E-07	2.22E-07	2.26E-07	1.03E-08	2.48E-07	5.47E-08	7.44E-08	1.18E-07	2.04E-08	1.49E-08	5.41E-07
1177	487547.18	3856537.45	8.90E-04	9.09E-04	9.08E-04	3.08E-07	9.31E-07	5.39E-07	5.50E-07	4.98E-07	2.23E-07	2.27E-07	1.03E-08	2.49E-07	5.49E-08	7.46E-08	1.18E-07	2.05E-08	1.50E-08	5.42E-07
1178	489285.89	3858826.54	1.16E-02	1.19E-02	1.18E-02	4.02E-06	1.21E-05	7.03E-06	7.18E-06	6.51E-06	2.91E-06	2.97E-06	1.34E-07	3.25E-06	7.16E-07	9.74E-07	1.55E-06	2.67E-07	1.96E-07	7.08E-06
1179	489335.89	3858826.54	1.13E-02	1.15E-02	1.15E-02	3.91E-06	1.18E-05	6.83E-06	6.97E-06	6.32E-06	2.82E-06	2.88E-06	1.30E-07	3.15E-06	6.95E-07	9.46E-07	1.50E-06	2.59E-07	1.90E-07	6.87E-06
1180	489385.89	3858826.54	1.09E-02	1.11E-02	1.11E-02	3.78E-06	1.14E-05	6.61E-06	6.75E-06	6.12E-06	2.73E-06	2.79E-06	1.26E-07	3.05E-06	6.73E-07	9.16E-07	1.45E-06	2.51E-07	1.84E-07	6.65E-06
1181	489435.89	3858826.54	1.06E-02	1.08E-02	1.08E-02	3.66E-06	1.11E-05	6.40E-06	6.53E-06	5.92E-06	2.65E-06	2.70E-06	1.22E-07	2.96E-06	6.52E-07	8.87E-07	1.41E-06	2.43E-07	1.78E-07	6.45E-06
1182	489485.89	3858826.54	1.03E-02	1.05E-02	1.04E-02	3.55E-06	1.07E-05	6.20E-06	6.33E-06	5.74E-06	2.57E-06	2.62E-06	1.19E-07	2.86E-06	6.32E-07	8.59E-07	1.36E-06	2.35E-07	1.72E-07	6.24E-06
1183	489535.89	3858826.54	9.93E-03	1.01E-02	1.01E-02	3.44E-06	1.04E-05	6.01E-06	6.13E-06	5.56E-06	2.49E-06	2.53E-06	1.15E-07	2.77E-06	6.12E-07	8.33E-07	1.32E-06	2.28E-07	1.67E-07	6.05E-06
1184	489585.89	3858826.54	9.63E-03	9.83E-03	9.82E-03	3.33E-06	1.01E-05	5.83E-06	5.95E-06	5.39E-06	2.41E-06	2.46E-06	1.11E-07	2.69E-06	5.93E-07	8.07E-07	1.28E-06	2.21E-07	1.62E-07	5.87E-06
1185	489635.89	3858826.54	9.34E-03	9.53E-03	9.52E-03	3.23E-06	9.76E-06	5.65E-06	5.77E-06	5.23E-06	2.34E-06	2.38E-06	1.08E-07	2.61E-06	5.75E-07	7.83E-07	1.24E-06	2.14E-07	1.57E-07	5.69E-06
1186	489685.89	3858826.54	9.06E-03	9.25E-03	9.23E-03	3.14E-06	9.47E-06	5.48E-06	5.59E-06	5.07E-06	2.27E-06	2.31E-06	1.05E-07	2.53E-06	5.58E-07	7.60E-07	1.20E-06	2.08E-07	1.52E-07	5.52E-06
1187	489735.89	3858826.54	8.80E-03	8.98E-03	8.97E-03	3.05E-06	9.20E-06	5.33E-06	5.43E-06	4.93E-06	2.20E-06	2.25E-06	1.02E-07	2.46E-06	5.42E-07	7.38E-07	1.17E-06	2.02E-07	1.48E-07	5.36E-06
1188	489785.89	3858826.54	8.57E-03	8.75E-03	8.74E-03	2.97E-06	8.96E-06	5.19E-06	5.29E-06	4.80E-06	2.15E-06	2.19E-06	9.91E-08	2.39E-06	5.28E-07	7.19E-07	1.14E-06	1.97E-07	1.44E-07	5.22E-06
1189	489835.89	3858826.54	8.33E-03	8.51E-03	8.50E-03	2.89E-06	8.71E-06	5.04E-06	5.15E-06	4.66E-06	2.09E-06	2.13E-06	9.63E-08	2.33E-06	5.14E-07	6.99E-07	1.11E-06	1.91E-07	1.40E-07	5.08E-06
1190	489885.89	3858826.54	8.14E-03	8.30E-03	8.29E-03	2.82E-06	8.50E-06	4.92E-06	5.02E-06	4.55E-06	2.04E-06	2.08E-06	9.41E-08	2.27E-06	5.01E-07	6.82E-07	1.08E-06	1.87E-07	1.37E-07	4.95E-06

1191	489935.89	3858826.54	7.93E-03	8.09E-03	8.08E-03	2.75E-06	8.29E-06	4.80E-06	4.90E-06	4.44E-06	1.99E-06	2.02E-06	9.17E-08	2.21E-06	4.89E-07	6.65E-07	1.05E-06	1.82E-07	1.33E-07	4.83E-06
1192	489985.89	3858826.54	7.72E-03	7.88E-03	7.87E-03	2.67E-06	8.07E-06	4.67E-06	4.77E-06	4.32E-06	1.93E-06	1.97E-06	8.92E-08	2.16E-06	4.76E-07	6.47E-07	1.03E-06	1.77E-07	1.30E-07	4.70E-06
1193	490035.89	3858826.54	7.43E-03	7.59E-03	7.58E-03	2.57E-06	7.77E-06	4.50E-06	4.59E-06	4.16E-06	1.86E-06	1.90E-06	8.59E-08	2.08E-06	4.58E-07	6.23E-07	9.89E-07	1.71E-07	1.25E-07	4.53E-06
1194	489285.89	3858876.54	1.66E-02	1.69E-02	1.69E-02	5.73E-06	1.73E-05	1.00E-05	1.02E-05	9.27E-06	4.14E-06	4.22E-06	1.91E-07	4.62E-06	1.02E-06	1.39E-06	2.20E-06	3.80E-07	2.79E-07	1.01E-05
1195	489335.89	3858876.54	1.55E-02	1.59E-02	1.58E-02	5.38E-06	1.62E-05	9.40E-06	9.60E-06	8.70E-06	3.89E-06	3.96E-06	1.80E-07	4.34E-06	9.58E-07	1.30E-06	2.07E-06	3.57E-07	2.62E-07	9.47E-06
1196	489385.89	3858876.54	1.47E-02	1.50E-02	1.49E-02	5.07E-06	1.53E-05	8.87E-06	9.05E-06	8.21E-06	3.67E-06	3.74E-06	1.69E-07	4.09E-06	9.03E-07	1.23E-06	1.95E-06	3.37E-07	2.47E-07	8.93E-06
1197	489435.89	3858876.54	1.39E-02	1.42E-02	1.41E-02	4.80E-06	1.45E-05	8.40E-06	8.57E-06	7.77E-06	3.47E-06	3.54E-06	1.60E-07	3.88E-06	8.55E-07	1.16E-06	1.85E-06	3.19E-07	2.34E-07	8.45E-06
1198	489485.89	3858876.54	1.32E-02	1.35E-02	1.34E-02	4.57E-06	1.38E-05	7.98E-06	8.14E-06	7.38E-06	3.30E-06	3.36E-06	1.52E-07	3.68E-06	8.13E-07	1.11E-06	1.75E-06	3.03E-07	2.22E-07	8.03E-06
1199	489535.89	3858876.54	1.26E-02	1.28E-02	1.28E-02	4.35E-06	1.31E-05	7.60E-06	7.75E-06	7.03E-06	3.14E-06	3.20E-06	1.45E-07	3.51E-06	7.74E-07	1.05E-06	1.67E-06	2.88E-07	2.11E-07	7.65E-06
1200	489585.89	3858876.54	1.20E-02	1.22E-02	1.22E-02	4.15E-06	1.25E-05	7.25E-06	7.40E-06	6.71E-06	3.00E-06	3.06E-06	1.39E-07	3.35E-06	7.38E-07	1.00E-06	1.59E-06	2.75E-07	2.02E-07	7.30E-06
1201	489635.89	3858876.54	1.15E-02	1.17E-02	1.17E-02	3.97E-06	1.20E-05	6.95E-06	7.09E-06	6.43E-06	2.87E-06	2.93E-06	1.33E-07	3.21E-06	7.07E-07	9.62E-07	1.53E-06	2.64E-07	1.93E-07	6.99E-06
1202	489685.89	3858876.54	1.10E-02	1.12E-02	1.12E-02	3.81E-06	1.15E-05	6.67E-06	6.80E-06	6.17E-06	2.76E-06	2.81E-06	1.27E-07	3.08E-06	6.79E-07	9.24E-07	1.47E-06	2.53E-07	1.85E-07	6.71E-06
1203	489735.89	3858876.54	1.06E-02	1.08E-02	1.08E-02	3.67E-06	1.11E-05	6.41E-06	6.54E-06	5.93E-06	2.65E-06	2.70E-06	1.22E-07	2.96E-06	6.53E-07	8.88E-07	1.41E-06	2.43E-07	1.78E-07	6.45E-06
1204	489785.89	3858876.54	1.02E-02	1.04E-02	1.04E-02	3.54E-06	1.07E-05	6.18E-06	6.31E-06	5.72E-06	2.56E-06	2.61E-06	1.18E-07	2.85E-06	6.30E-07	8.57E-07	1.36E-06	2.35E-07	1.72E-07	6.23E-06
1205	489835.89	3858876.54	9.87E-03	1.01E-02	1.01E-02	3.42E-06	1.03E-05	5.97E-06	6.09E-06	5.52E-06	2.47E-06	2.52E-06	1.14E-07	2.76E-06	6.08E-07	8.27E-07	1.31E-06	2.27E-07	1.66E-07	6.01E-06
1206	489885.89	3858876.54	9.57E-03	9.77E-03	9.76E-03	3.31E-06	1.00E-05	5.79E-06	5.91E-06	5.36E-06	2.40E-06	2.44E-06	1.11E-07	2.67E-06	5.90E-07	8.02E-07	1.27E-06	2.20E-07	1.61E-07	5.83E-06
1207	489935.89	3858876.54	9.26E-03	9.45E-03	9.44E-03	3.21E-06	9.68E-06	5.60E-06	5.72E-06	5.18E-06	2.32E-06	2.36E-06	1.07E-07	2.59E-06	5.71E-07	7.76E-07	1.23E-06	2.13E-07	1.56E-07	5.64E-06
1208	489985.89	3858876.54	8.94E-03	9.13E-03	9.12E-03	3.10E-06	9.35E-06	5.41E-06	5.52E-06	5.01E-06	2.24E-06	2.28E-06	1.03E-07	2.50E-06	5.51E-07	7.50E-07	1.19E-06	2.05E-07	1.50E-07	5.45E-06
1209	490035.89	3858876.54	8.59E-03	8.77E-03	8.76E-03	2.97E-06	8.98E-06	5.20E-06	5.31E-06	4.81E-06	2.15E-06	2.19E-06	9.93E-08	2.40E-06	5.29E-07	7.20E-07	1.14E-06	1.97E-07	1.45E-07	5.23E-06
1210	489285.89	3858926.54	2.32E-02	2.37E-02	2.37E-02	8.04E-06	2.43E-05	1.41E-05	1.43E-05	1.30E-05	5.81E-06	5.92E-06	2.68E-07	6.48E-06	1.43E-06	1.95E-06	3.09E-06	5.33E-07	3.91E-07	1.41E-05
1211	489335.89	3858926.54	2.11E-02	2.16E-02	2.15E-02	7.32E-06	2.21E-05	1.28E-05	1.30E-05	1.18E-05	5.29E-06	5.39E-06	2.44E-07	5.90E-06	1.30E-06	1.77E-06	2.81E-06	4.85E-07	3.56E-07	1.29E-05
1212	489385.89	3858926.54	1.94E-02	1.98E-02	1.98E-02	6.72E-06	2.03E-05	1.17E-05	1.20E-05	1.09E-05	4.86E-06	4.95E-06	2.24E-07	5.42E-06	1.20E-06	1.63E-06	2.58E-06	4.46E-07	3.27E-07	1.18E-05
1213	489435.89	3858926.54	1.80E-02	1.84E-02	1.83E-02	6.23E-06	1.88E-05	1.09E-05	1.11E-05	1.01E-05	4.50E-06	4.59E-06	2.08E-07	5.02E-06	1.11E-06	1.51E-06	2.39E-06	4.13E-07	3.03E-07	1.10E-05
1214	489485.89	3858926.54	1.68E-02	1.71E-02	1.71E-02	5.81E-06	1.75E-05	1.01E-05	1.04E-05	9.39E-06	4.20E-06	4.28E-06	1.94E-07	4.68E-06	1.03E-06	1.41E-06	2.23E-06	3.85E-07	2.82E-07	1.02E-05
1215	489535.89	3858926.54	1.57E-02	1.61E-02	1.60E-02	5.45E-06	1.64E-05	9.52E-06	9.71E-06	8.81E-06	3.94E-06	4.01E-06	1.82E-07	4.39E-06	9.69E-07	1.32E-06	2.09E-06	3.61E-07	2.65E-07	9.58E-06
1216	489585.89	3858926.54	1.48E-02	1.51E-02	1.51E-02	5.13E-06	1.55E-05	8.97E-06	9.15E-06	8.29E-06	3.71E-06	3.78E-06	1.71E-07	4.14E-06	9.13E-07	1.24E-06	1.97E-06	3.40E-07	2.49E-07	9.02E-06
1217	489635.89	3858926.54	1.40E-02	1.43E-02	1.43E-02	4.85E-06	1.47E-05	8.48E-06	8.66E-06	7.85E-06	3.51E-06	3.58E-06	1.62E-07	3.91E-06	8.64E-07	1.18E-06	1.86E-06	3.22E-07	2.36E-07	8.54E-06
1218	489685.89	3858926.54	1.33E-02	1.36E-02	1.36E-02	4.61E-06	1.39E-05	8.05E-06	8.21E-06	7.45E-06	3.33E-06	3.39E-06	1.54E-07	3.71E-06	8.20E-07	1.12E-06	1.77E-06	3.06E-07	2.24E-07	8.10E-06
1219	489735.89	3858926.54	1.27E-02	1.29E-02	1.29E-02	4.39E-06	1.33E-05	7.68E-06	7.83E-06	7.10E-06	3.18E-06	3.24E-06	1.47E-07	3.54E-06	7.82E-07	1.06E-06	1.69E-06	2.91E-07	2.13E-07	7.73E-06
1220	489785.89	3858926.54	1.21E-02	1.24E-02	1.24E-02	4.20E-06	1.27E-05	7.34E-06	7.49E-06	6.79E-06	3.04E-06	3.09E-06	1.40E-07	3.39E-06	7.48E-07	1.02E-06	1.61E-06	2.79E-07	2.04E-07	7.39E-06
1221	489835.89	3858926.54	1.16E-02	1.19E-02	1.18E-02	4.02E-06	1.21E-05	7.03E-06	7.17E-06	6.50E-06	2.91E-06	2.96E-06	1.34E-07	3.24E-06	7.16E-07	9.74E-07	1.54E-06	2.67E-07	1.95E-07	7.07E-06
1222	489885.89	3858926.54	1.12E-02	1.14E-02	1.14E-02	3.87E-06	1.17E-05	6.76E-06	6.90E-06	6.26E-06	2.80E-06	2.85E-06	1.29E-07	3.12E-06	6.89E-07	9.37E-07	1.49E-06	2.57E-07	1.88E-07	6.81E-06
1223	489935.89	3858926.54	1.08E-02	1.10E-02	1.10E-02	3.72E-06	1.12E-05	6.51E-06	6.64E-06	6.02E-06	2.69E-06	2.74E-06	1.24E-07	3.00E-06	6.63E-07	9.02E-07	1.43E-06	2.47E-07	1.81E-07	6.55E-06
1224	489985.89	3858926.54	1.03E-02	1.06E-02	1.05E-02	3.58E-06	1.08E-05	6.26E-06	6.39E-06	5.79E-06	2.59E-06	2.64E-06	1.20E-07	2.89E-06	6.38E-07	8.68E-07	1.38E-06	2.38E-07	1.74E-07	6.30E-06
1225	490035.89	3858926.54	9.82E-03	1.00E-02	1.00E-02	3.40E-06	1.03E-05	5.94E-06	6.06E-06	5.50E-06	2.46E-06	2.51E-06	1.14E-07	2.74E-06	6.05E-07	8.23E-07	1.31E-06	2.26E-07	1.65E-07	5.98E-06
1226	489335.89	3858976.54	2.83E-02	2.89E-02	2.88E-02	9.79E-06	2.96E-05	1.71E-05	1.75E-05	1.58E-05	7.08E-06	7.21E-06	3.27E-07	7.90E-06	1.74E-06	2.37E-06	3.76E-06	6.50E-07	4.76E-07	1.72E-05
1227	489385.89	3858976.54	2.54E-02	2.59E-02	2.59E-02	8.78E-06	2.65E-05	1.54E-05	1.57E-05	1.42E-05	6.35E-06	6.47E-06	2.93E-07	7.08E-06	1.56E-06	2.13E-06	3.37E-06	5.83E-07	4.27E-07	1.55E-05
1228	489435.89	3858976.54	2.31E-02	2.35E-02	2.35E-02	7.99E-06	2.41E-05	1.40E-05	1.42E-05	1.29E-05	5.77E-06	5.88E-06	2.67E-07	6.44E-06	1.42E-06	1.93E-06	3.07E-06	5.30E-07	3.88E-07	1.40E-05
1229	489485.89	3858976.54	2.11E-02	2.16E-02	2.16E-02	7.32E-06	2.21E-05	1.28E-05	1.31E-05	1.18E-05	5.29E-06	5.39E-06	2.44E-07	5.90E-06	1.30E-06	1.77E-06	2.81E-06	4.86E-07	3.56E-07	1.29E-05
1230	489535.89	3858976.54	1.95E-02	1.99E-02	1.99E-02	6.76E-06	2.04E-05	1.18E-05	1.21E-05	1.09E-05	4.89E-06	4.98E-06	2.26E-07	5.45E-06	1.20E-06	1.64E-06	2.60E-06	4.49E-07	3.29E-07	1.19E-05
1231	489585.89	3858976.54	1.82E-02	1.86E-02	1.85E-02	6.30E-06	1.90E-05	1.10E-05	1.12E-05	1.02E-05	4.55E-06	4.64E-06	2.10E-07	5.08E-06	1.12E-06	1.52E-06	2.42E-06	4.18E-07	3.06E-07	1.11E-05
1232	489635.89	3858976.54	1.70E-02	1.74E-02	1.74E-02	5.89E-06	1.78E-05	1.03E-05	1.05E-05	9.53E-06	4.26E-06	4.34E-06	1.97E-07	4.75E-06	1.05E-06	1.43E-06	2.26E-06	3.91E-07	2.86E-07	1.04E-05
1233	489685.89	3858976.54	1.60E-02	1.63E-02	1.63E-02	5.54E-06	1.67E-05	9.68E-06	9.88E-06	8.95E-06	4.00E-06	4.08E-06	1.85E-07	4.47E-06	9.85E-07	1.34E-06	2.13E-06	3.67E-07	2.69E-07	9.74E-06
1234	489735.89	3858976.54	1.51E-02	1.54E-02	1.54E-02	5.23E-06	1.58E-05	9.14E-06	9.33E-06	8.46E-06	3.78E-06	3.85E-06	1.75E-07	4.22E-06	9.31E-07	1.27E-06	2.01E-06	3.47E-07	2.54E-07	9.20E-06
1235	489785.89	3858976.54	1.43E-02	1.46E-02	1.46E-02	4.97E-06	1.50E-05	8.68E-06	8.86E-06	8.03E-06	3.59E-06	3.66E-06	1.66E-07	4.01E-06	8.84E-07	1.20E-06	1.91E-06	3.30E-07	2.41E-07	8.74E-06
1236	489835.89	3858976.54	1.37E-02	1.39E-02	1.39E-02	4.73E-06	1.43E-05	8.27E-06	8.43E-06	7.65E-06	3.42E-06	3.48E-06	1.58E-07	3.81E-06	8.42E-07	1.15E-06	1.82E-06	3.14E-07	2.30E-07	8.32E-06
1237	489885.89	3858976.54	1.30E-02	1.33E-02	1.32E-02	4.50E-06	1.36E-05	7.86E-06	8.02E-06	7.27E-06	3.25E-06	3.31E-06	1.50E-07	3.63E-06	8.01E-07	1.09E-06	1.73E-06	2.98E-07	2.19E-07	7.91E-06
1238	489935.89	3858976.54	1.24E-02	1.27E-02	1.27E-02	4.30E-06	1.30E-05	7.52E-06	7.67E-06	6.95E-06	3.11E-06	3.17E-06	1.44E-07	3.47E-06	7.66E-07	1.04E-06	1.65E-06	2.85E-07	2.09E-07	7.57E-06
1239	489985.89	3858976.54	1.19E-02	1.21E-02	1.21E-02	4.12E-06	1.24E-05	7.20E-06	7.35E-06	6.66E-06	2.98E-06	3.04E-06	1.38E-07	3.32E-06	7.33E-07	9.97E-07	1.58E-06	2.73E-07	2.00E-07	7.25E-06
1240	490035.89	3858976.54	1.11E-02	1.13E-02	1.13E-02	3.84E-06	1.16E-05	6.71E-06	6.84E-06	6.20E-06	2.77E-06	2.83E-06	1.28E-07	3.09E-06	6.83E-07	9.29E-07	1.47E-06	2.55E-07	1.86E-07	6.75E-06
1241	489385.89	3859026.54	3.30E-02	3.37E-02	3.37E-02	1.14E-05	3.45E-05	2.00E-05	2.04E-05	1.85E-05	8.27E-06	8.43E-06	3.82E-07	9.23E-06	2.04E-06	2.77E-06	4.39E-06	7.59E-07	5.56E-07	2.01E-05
1242	489435.89	3859026.54	2.94E-02	3.00E-02	3.00E-02	1.02E-05	3.08E-05	1.78E-05	1.82E-05	1.65E-05	7.36E-06	7.50E-06	3.40E-07	8.21E-06	1.81E-06	2.47E-06	3.91E-06	6.76E-07	4.95E-07	1.79E-05
1243	489485.89	3859026.54	2.65E-02	2.71E-02	2.70E-02	9.18E-06	2.77E-05	1.61E-05	1.64E-05	1.48E-05	6.64E-06	6.77E-06	3.07E-07	7.41E-06	1.63E-06	2.22E-06	3.53E-06	6.09E-07	4.46E-07	1.62E-05
1244	489535.89	3859026.54	2.42E-02	2.47E-02	2.47E-02	8.37E-06	2.53E-05	1.46E-05	1.49E-05	1.35E-05	6.05E-06	6.17E-06	2.80E-07	6.75E-06	1.49E-06	2.03E-06	3.22E-06	5.56E-07	4.07E-07	1.47E-05
1245	489585.89	3859026.54	2.22E-02	2.27E-02	2.27E-02	7.69E-06	2.32E-05	1.34E-05	1.37E-05	1.24E-05	5.56E-06	5.67E-06	2.57E-07	6.21E-06	1.37E-06	1.86E-06	2.96E-06	5.10E-07	3.74E-07	1.35E-05
1246	489635.89	3859026.54	2.06E-02	2.10E-02	2.10E-02	7.13E-06	2.15E-05	1.25E-05	1.27E-05	1.15E-05	5.16E-06	5.25E-06	2.38E-07	5.75E-06	1.27E-06	1.73E-06	2.74E-06	4.73E-07	3.47E-07	1.25E-05
1247	489685.89	3859026.54	1.92E-02	1.96E-02	1.96E-02	6.65E-06	2.01E-05	1.16E-05	1.19E-05	1.07E-05	4.80E-06	4.90E-06	2.22E-07	5.36E-06	1.18E-06	1.61E-06	2.55E-06	4.41E-07	3.23E-07	1.17E-05

1248	489735.89	3859026.54	1.80E-02	1.84E-02	1.83E-02	6.23E-06	1.88E-05	1.09E-05	1.11E-05	1.01E-05	4.51E-06	4.59E-06	2.08E-07	5.03E-06	1.11E-06	1.51E-06	2.39E-06	4.13E-07	3.03E-07	1.10E-05
1249	489785.89	3859026.54	1.69E-02	1.73E-02	1.73E-02	5.87E-06	1.77E-05	1.03E-05	1.05E-05	9.48E-06	4.24E-06	4.32E-06	1.96E-07	4.73E-06	1.04E-06	1.42E-06	2.25E-06	3.89E-07	2.85E-07	1.03E-05
1250	489835.89	3859026.54	1.60E-02	1.63E-02	1.63E-02	5.53E-06	1.67E-05	9.67E-06	9.86E-06	8.94E-06	4.00E-06	4.07E-06	1.85E-07	4.46E-06	9.84E-07	1.34E-06	2.12E-06	3.67E-07	2.69E-07	9.73E-06
1251	489885.89	3859026.54	1.51E-02	1.54E-02	1.54E-02	5.23E-06	1.58E-05	9.15E-06	9.34E-06	8.46E-06	3.78E-06	3.86E-06	1.75E-07	4.22E-06	9.32E-07	1.27E-06	2.01E-06	3.47E-07	2.54E-07	9.21E-06
1252	489935.89	3859026.54	1.43E-02	1.46E-02	1.46E-02	4.96E-06	1.50E-05	8.68E-06	8.86E-06	8.03E-06	3.59E-06	3.66E-06	1.66E-07	4.00E-06	8.84E-07	1.20E-06	1.91E-06	3.29E-07	2.41E-07	8.73E-06
1253	489985.89	3859026.54	1.36E-02	1.39E-02	1.39E-02	4.72E-06	1.43E-05	8.25E-06	8.42E-06	7.63E-06	3.41E-06	3.48E-06	1.58E-07	3.81E-06	8.40E-07	1.14E-06	1.81E-06	3.13E-07	2.29E-07	8.30E-06
1254	490035.89	3859026.54	1.26E-02	1.28E-02	1.28E-02	4.35E-06	1.31E-05	7.60E-06	7.76E-06	7.03E-06	3.14E-06	3.20E-06	1.45E-07	3.51E-06	7.74E-07	1.05E-06	1.67E-06	2.89E-07	2.11E-07	7.65E-06
1255	489485.89	3859076.54	3.36E-02	3.43E-02	3.42E-02	1.16E-05	3.51E-05	2.03E-05	2.07E-05	1.88E-05	8.40E-06	8.56E-06	3.88E-07	9.37E-06	2.07E-06	2.81E-06	4.46E-06	7.71E-07	5.65E-07	2.04E-05
1256	489535.89	3859076.54	3.01E-02	3.07E-02	3.07E-02	1.04E-05	3.15E-05	1.82E-05	1.86E-05	1.69E-05	7.54E-06	7.68E-06	3.48E-07	8.41E-06	1.86E-06	2.52E-06	4.00E-06	6.92E-07	5.07E-07	1.83E-05
1257	489585.89	3859076.54	2.73E-02	2.79E-02	2.78E-02	9.45E-06	2.85E-05	1.65E-05	1.69E-05	1.53E-05	6.83E-06	6.96E-06	3.16E-07	7.62E-06	1.68E-06	2.29E-06	3.63E-06	6.27E-07	4.59E-07	1.66E-05
1258	489635.89	3859076.54	2.50E-02	2.55E-02	2.55E-02	8.66E-06	2.62E-05	1.51E-05	1.55E-05	1.40E-05	6.26E-06	6.38E-06	2.89E-07	6.99E-06	1.54E-06	2.10E-06	3.33E-06	5.75E-07	4.21E-07	1.52E-05
1259	489685.89	3859076.54	2.31E-02	2.36E-02	2.35E-02	8.00E-06	2.41E-05	1.40E-05	1.43E-05	1.29E-05	5.78E-06	5.89E-06	2.67E-07	6.45E-06	1.42E-06	1.94E-06	3.07E-06	5.31E-07	3.89E-07	1.41E-05
1260	489735.89	3859076.54	2.15E-02	2.19E-02	2.19E-02	7.43E-06	2.24E-05	1.30E-05	1.32E-05	1.20E-05	5.37E-06	5.47E-06	2.48E-07	5.99E-06	1.32E-06	1.80E-06	2.85E-06	4.93E-07	3.61E-07	1.31E-05
1261	489785.89	3859076.54	2.00E-02	2.04E-02	2.04E-02	6.93E-06	2.09E-05	1.21E-05	1.24E-05	1.12E-05	5.01E-06	5.11E-06	2.32E-07	5.59E-06	1.23E-06	1.68E-06	2.66E-06	4.60E-07	3.37E-07	1.22E-05
1262	489835.89	3859076.54	1.88E-02	1.91E-02	1.91E-02	6.49E-06	1.96E-05	1.13E-05	1.16E-05	1.05E-05	4.69E-06	4.78E-06	2.17E-07	5.24E-06	1.16E-06	1.57E-06	2.49E-06	4.31E-07	3.16E-07	1.14E-05
1263	489885.89	3859076.54	1.76E-02	1.80E-02	1.80E-02	6.10E-06	1.84E-05	1.07E-05	1.09E-05	9.86E-06	4.41E-06	4.50E-06	2.04E-07	4.92E-06	1.09E-06	1.48E-06	2.34E-06	4.05E-07	2.97E-07	1.07E-05
1264	489935.89	3859076.54	1.66E-02	1.70E-02	1.70E-02	5.76E-06	1.74E-05	1.01E-05	1.03E-05	9.31E-06	4.16E-06	4.24E-06	1.92E-07	4.65E-06	1.03E-06	1.39E-06	2.21E-06	3.82E-07	2.80E-07	1.01E-05
1265	489985.89	3859076.54	1.57E-02	1.60E-02	1.60E-02	5.43E-06	1.64E-05	9.50E-06	9.69E-06	8.78E-06	3.93E-06	4.00E-06	1.81E-07	4.38E-06	9.67E-07	1.32E-06	2.09E-06	3.60E-07	2.64E-07	9.56E-06
1266	490035.89	3859076.54	1.44E-02	1.47E-02	1.47E-02	5.00E-06	1.51E-05	8.74E-06	8.92E-06	8.08E-06	3.61E-06	3.68E-06	1.67E-07	4.03E-06	8.90E-07	1.21E-06	1.92E-06	3.32E-07	2.43E-07	8.80E-06
1267	489585.89	3859126.54	3.41E-02	3.48E-02	3.48E-02	1.18E-05	3.57E-05	2.06E-05	2.11E-05	1.91E-05	8.54E-06	8.70E-06	3.94E-07	9.53E-06	2.10E-06	2.86E-06	4.54E-06	7.84E-07	5.74E-07	2.08E-05
1268	489635.89	3859126.54	3.08E-02	3.14E-02	3.14E-02	1.07E-05	3.22E-05	1.86E-05	1.90E-05	1.72E-05	7.70E-06	7.85E-06	3.56E-07	8.60E-06	1.90E-06	2.58E-06	4.09E-06	7.07E-07	5.18E-07	1.87E-05
1269	489685.89	3859126.54	2.80E-02	2.86E-02	2.86E-02	9.70E-06	2.93E-05	1.70E-05	1.73E-05	1.57E-05	7.01E-06	7.15E-06	3.24E-07	7.83E-06	1.73E-06	2.35E-06	3.73E-06	6.44E-07	4.72E-07	1.71E-05
1270	489735.89	3859126.54	2.57E-02	2.63E-02	2.62E-02	8.91E-06	2.69E-05	1.56E-05	1.59E-05	1.44E-05	6.44E-06	6.56E-06	2.97E-07	7.19E-06	1.59E-06	2.16E-06	3.42E-06	5.91E-07	4.33E-07	1.57E-05
1271	489785.89	3859126.54	2.38E-02	2.43E-02	2.43E-02	8.24E-06	2.49E-05	1.44E-05	1.47E-05	1.33E-05	5.96E-06	6.07E-06	2.75E-07	6.64E-06	1.47E-06	1.99E-06	3.16E-06	5.47E-07	4.00E-07	1.45E-05
1272	489835.89	3859126.54	2.21E-02	2.25E-02	2.25E-02	7.65E-06	2.31E-05	1.34E-05	1.36E-05	1.24E-05	5.53E-06	5.64E-06	2.55E-07	6.17E-06	1.36E-06	1.85E-06	2.94E-06	5.07E-07	3.72E-07	1.35E-05
1273	489885.89	3859126.54	2.06E-02	2.10E-02	2.10E-02	7.13E-06	2.15E-05	1.25E-05	1.27E-05	1.15E-05	5.15E-06	5.25E-06	2.38E-07	5.75E-06	1.27E-06	1.73E-06	2.74E-06	4.73E-07	3.46E-07	1.25E-05
1274	489935.89	3859126.54	1.93E-02	1.97E-02	1.97E-02	6.68E-06	2.02E-05	1.17E-05	1.19E-05	1.08E-05	4.83E-06	4.92E-06	2.23E-07	5.39E-06	1.19E-06	1.62E-06	2.57E-06	4.43E-07	3.25E-07	1.18E-05
1275	489985.89	3859126.54	1.80E-02	1.84E-02	1.83E-02	6.23E-06	1.88E-05	1.09E-05	1.11E-05	1.01E-05	4.50E-06	4.59E-06	2.08E-07	5.02E-06	1.11E-06	1.51E-06	2.39E-06	4.13E-07	3.03E-07	1.10E-05
1276	490035.89	3859126.54	1.67E-02	1.70E-02	1.70E-02	5.77E-06	1.74E-05	1.01E-05	1.03E-05	9.32E-06	4.17E-06	4.25E-06	1.93E-07	4.65E-06	1.03E-06	1.40E-06	2.21E-06	3.83E-07	2.80E-07	1.01E-05
1277	489585.89	3859176.54	4.39E-02	4.48E-02	4.48E-02	1.52E-05	4.59E-05	2.66E-05	2.71E-05	2.46E-05	1.10E-05	1.12E-05	5.08E-07	1.23E-05	2.71E-06	3.68E-06	5.84E-06	1.01E-06	7.39E-07	2.68E-05
1278	489635.89	3859176.54	3.87E-02	3.95E-02	3.95E-02	1.34E-05	4.05E-05	2.34E-05	2.39E-05	2.17E-05	9.69E-06	9.87E-06	4.47E-07	1.08E-05	2.39E-06	3.24E-06	5.15E-06	8.89E-07	6.51E-07	2.36E-05
1279	489685.89	3859176.54	3.46E-02	3.53E-02	3.53E-02	1.20E-05	3.62E-05	2.09E-05	2.14E-05	1.94E-05	8.66E-06	8.83E-06	4.00E-07	9.66E-06	2.13E-06	2.90E-06	4.60E-06	7.95E-07	5.82E-07	2.11E-05
1280	489735.89	3859176.54	3.13E-02	3.19E-02	3.19E-02	1.08E-05	3.27E-05	1.89E-05	1.93E-05	1.75E-05	7.84E-06	7.99E-06	3.62E-07	8.74E-06	1.93E-06	2.62E-06	4.16E-06	7.19E-07	5.27E-07	1.91E-05
1281	489785.89	3859176.54	2.85E-02	2.91E-02	2.91E-02	9.88E-06	2.98E-05	1.73E-05	1.76E-05	1.60E-05	7.14E-06	7.28E-06	3.30E-07	7.97E-06	1.76E-06	2.39E-06	3.80E-06	6.56E-07	4.80E-07	1.74E-05
1282	489835.89	3859176.54	2.62E-02	2.68E-02	2.67E-02	9.08E-06	2.74E-05	1.59E-05	1.62E-05	1.47E-05	6.57E-06	6.69E-06	3.03E-07	7.32E-06	1.62E-06	2.20E-06	3.49E-06	6.03E-07	4.41E-07	1.60E-05
1283	489885.89	3859176.54	2.42E-02	2.47E-02	2.47E-02	8.39E-06	2.53E-05	1.47E-05	1.50E-05	1.36E-05	6.06E-06	6.18E-06	2.80E-07	6.77E-06	1.49E-06	2.03E-06	3.22E-06	5.57E-07	4.08E-07	1.48E-05
1284	489935.89	3859176.54	2.25E-02	2.30E-02	2.29E-02	7.79E-06	2.35E-05	1.36E-05	1.39E-05	1.26E-05	5.64E-06	5.74E-06	2.60E-07	6.29E-06	1.39E-06	1.89E-06	2.99E-06	5.17E-07	3.79E-07	1.37E-05
1285	489985.89	3859176.54	2.08E-02	2.13E-02	2.12E-02	7.21E-06	2.18E-05	1.26E-05	1.29E-05	1.17E-05	5.21E-06	5.31E-06	2.41E-07	5.82E-06	1.28E-06	1.75E-06	2.77E-06	4.79E-07	3.51E-07	1.27E-05
1286	490035.89	3859176.54	1.95E-02	1.99E-02	1.99E-02	6.76E-06	2.04E-05	1.18E-05	1.21E-05	1.09E-05	4.89E-06	4.98E-06	2.26E-07	5.46E-06	1.20E-06	1.64E-06	2.60E-06	4.49E-07	3.29E-07	1.19E-05
1287	489685.89	3859226.54	4.40E-02	4.49E-02	4.49E-02	1.52E-05	4.60E-05	2.66E-05	2.72E-05	2.46E-05	1.10E-05	1.12E-05	5.09E-07	1.23E-05	2.71E-06	3.69E-06	5.86E-06	1.01E-06	7.41E-07	2.68E-05
1288	489735.89	3859226.54	3.89E-02	3.97E-02	3.97E-02	1.35E-05	4.07E-05	2.36E-05	2.40E-05	2.18E-05	9.74E-06	9.93E-06	4.50E-07	1.09E-05	2.40E-06	3.26E-06	5.18E-06	8.94E-07	6.55E-07	2.37E-05
1289	489785.89	3859226.54	3.49E-02	3.56E-02	3.55E-02	1.21E-05	3.64E-05	2.11E-05	2.15E-05	1.95E-05	8.73E-06	8.90E-06	4.03E-07	9.74E-06	2.15E-06	2.92E-06	4.64E-06	8.01E-07	5.87E-07	2.12E-05
1290	489835.89	3859226.54	3.15E-02	3.22E-02	3.21E-02	1.09E-05	3.30E-05	1.91E-05	1.95E-05	1.76E-05	7.89E-06	8.04E-06	3.65E-07	8.80E-06	1.94E-06	2.64E-06	4.19E-06	7.24E-07	5.31E-07	1.92E-05
1291	489885.89	3859226.54	2.88E-02	2.94E-02	2.93E-02	9.97E-06	3.01E-05	1.74E-05	1.78E-05	1.61E-05	7.21E-06	7.34E-06	3.33E-07	8.04E-06	1.77E-06	2.41E-06	3.83E-06	6.61E-07	4.84E-07	1.75E-05
1292	489935.89	3859226.54	2.65E-02	2.70E-02	2.70E-02	9.16E-06	2.77E-05	1.60E-05	1.63E-05	1.48E-05	6.62E-06	6.75E-06	3.06E-07	7.39E-06	1.63E-06	2.22E-06	3.52E-06	6.08E-07	4.45E-07	1.61E-05
1293	489985.89	3859226.54	2.42E-02	2.47E-02	2.46E-02	8.36E-06	2.53E-05	1.46E-05	1.49E-05	1.35E-05	6.05E-06	6.16E-06	2.79E-07	6.75E-06	1.49E-06	2.03E-06	3.21E-06	5.55E-07	4.06E-07	1.47E-05
1294	490035.89	3859226.54	2.25E-02	2.30E-02	2.30E-02	7.80E-06	2.36E-05	1.36E-05	1.39E-05	1.26E-05	5.64E-06	5.75E-06	2.61E-07	6.29E-06	1.39E-06	1.89E-06	3.00E-06	5.18E-07	3.79E-07	1.37E-05
1295	489735.89	3859276.54	5.04E-02	5.15E-02	5.14E-02	1.75E-05	5.27E-05	3.05E-05	3.11E-05	2.82E-05	1.26E-05	1.29E-05	5.83E-07	1.41E-05	3.11E-06	4.23E-06	6.71E-06	1.16E-06	8.49E-07	3.07E-05
1296	489785.89	3859276.54	4.39E-02	4.48E-02	4.48E-02	1.52E-05	4.59E-05	2.66E-05	2.71E-05	2.46E-05	1.10E-05	1.12E-05	5.08E-07	1.23E-05	2.71E-06	3.68E-06	5.84E-06	1.01E-06	7.39E-07	2.67E-05
1297	489835.89	3859276.54	3.89E-02	3.96E-02	3.96E-02	1.34E-05	4.06E-05	2.35E-05	2.40E-05	2.17E-05	9.72E-06	9.91E-06	4.49E-07	1.08E-05	2.39E-06	3.26E-06	5.17E-06	8.92E-07	6.54E-07	2.37E-05
1298	489885.89	3859276.54	3.49E-02	3.56E-02	3.55E-02	1.21E-05	3.65E-05	2.11E-05	2.15E-05	1.95E-05	8.73E-06	8.90E-06	4.03E-07	9.74E-06	2.15E-06	2.92E-06	4.64E-06	8.01E-07	5.87E-07	2.12E-05
1299	489935.89	3859276.54	3.16E-02	3.22E-02	3.22E-02	1.09E-05	3.30E-05	1.91E-05	1.95E-05	1.77E-05	7.90E-06	8.05E-06	3.65E-07	8.81E-06	1.94E-06	2.65E-06	4.20E-06	7.25E-07	5.31E-07	1.92E-05
1300	489985.89	3859276.54	2.83E-02	2.89E-02	2.89E-02	9.81E-06	2.96E-05	1.71E-05	1.75E-05	1.59E-05	7.09E-06	7.23E-06	3.28E-07	7.91E-06	1.75E-06	2.38E-06	3.77E-06	6.51E-07	4.77E-07	1.73E-05
1301	490035.89	3859276.54	2.64E-02	2.69E-02	2.69E-02	9.14E-06	2.76E-05	1.60E-05	1.63E-05	1.48E-05	6.61E-06	6.73E-06	3.05E-07	7.37E-06	1.63E-06	2.21E-06	3.51E-06	6.06E-07	4.44E-07	1.61E-05
1302	490458.06	3859590.74	4.46E-02	4.55E-02	4.55E-02	1.54E-05	4.66E-05	2.70E-05	2.76E-05	2.50E-05	1.12E-05	1.14E-05	5.16E-07	1.25E-05	2.75E-06	3.74E-06	5.94E-06	1.03E-06	7.51E-07	2.72E-05
1303	490508.06	3859590.74	3.99E-02	4.07E-02	4.07E-02	1.38E-05	4.17E-05	2.41E-05	2.46E-05	2.23E-05	9.98E-06	1.02E-05	4.61E-07	1.11E-05	2.46E-06	3.34E-06	5.30E-06	9.16E-07	6.71E-07	2.43E-05
1304	490558.06	3859590.74	3.54E-02	3.61E-02	3.61E-02	1.23E-05	3.70E-05	2.14E-05	2.19E-05	1.98E-05	8.86E-06	9.03E-06	4.09E-07	9.89E-06	2.18E-06	2.97E-06	4.71E-06	8.13E-07	5.96E-07	2.16E-05

1305	490608.06	3859590.74	3.19E-02	3.25E-02	3.25E-02	1.10E-05	3.33E-05	1.93E-05	1.97E-05	1.78E-05	7.97E-06	8.13E-06	3.68E-07	8.90E-06	1.96E-06	2.67E-06	4.24E-06	7.32E-07	5.36E-07	1.94E-05
1306	490658.06	3859590.74	2.88E-02	2.94E-02	2.94E-02	9.98E-06	3.01E-05	1.74E-05	1.78E-05	1.61E-05	7.22E-06	7.35E-06	3.33E-07	8.05E-06	1.78E-06	2.42E-06	3.83E-06	6.62E-07	4.85E-07	1.76E-05
1307	490708.06	3859590.74	2.62E-02	2.68E-02	2.67E-02	9.08E-06	2.74E-05	1.59E-05	1.62E-05	1.47E-05	6.56E-06	6.69E-06	3.03E-07	7.32E-06	1.62E-06	2.20E-06	3.49E-06	6.02E-07	4.41E-07	1.60E-05
1308	490758.06	3859590.74	2.38E-02	2.43E-02	2.42E-02	8.24E-06	2.49E-05	1.44E-05	1.47E-05	1.33E-05	5.95E-06	6.07E-06	2.75E-07	6.64E-06	1.47E-06	1.99E-06	3.16E-06	5.46E-07	4.00E-07	1.45E-05
1309	490808.06	3859590.74	2.19E-02	2.24E-02	2.23E-02	7.59E-06	2.29E-05	1.33E-05	1.35E-05	1.23E-05	5.49E-06	5.59E-06	2.53E-07	6.12E-06	1.35E-06	1.84E-06	2.91E-06	5.03E-07	3.69E-07	1.33E-05
1310	490858.06	3859590.74	2.02E-02	2.06E-02	2.06E-02	6.98E-06	2.11E-05	1.22E-05	1.25E-05	1.13E-05	5.05E-06	5.15E-06	2.33E-07	5.63E-06	1.24E-06	1.69E-06	2.68E-06	4.63E-07	3.39E-07	1.23E-05
1311	490458.06	3859640.74	6.23E-02	6.36E-02	6.35E-02	2.16E-05	6.52E-05	3.77E-05	3.85E-05	3.49E-05	1.56E-05	1.59E-05	7.21E-07	1.74E-05	3.84E-06	5.23E-06	8.29E-06	1.43E-06	1.05E-06	3.80E-05
1312	490508.06	3859640.74	5.41E-02	5.52E-02	5.51E-02	1.87E-05	5.65E-05	3.27E-05	3.34E-05	3.03E-05	1.35E-05	1.38E-05	6.25E-07	1.51E-05	3.33E-06	4.53E-06	7.19E-06	1.24E-06	9.10E-07	3.29E-05
1313	490558.06	3859640.74	4.74E-02	4.84E-02	4.83E-02	1.64E-05	4.96E-05	2.87E-05	2.93E-05	2.65E-05	1.19E-05	1.21E-05	5.48E-07	1.32E-05	2.92E-06	3.98E-06	6.31E-06	1.09E-06	7.98E-07	2.89E-05
1314	490608.06	3859640.74	4.14E-02	4.23E-02	4.22E-02	1.43E-05	4.33E-05	2.51E-05	2.56E-05	2.32E-05	1.04E-05	1.06E-05	4.79E-07	1.16E-05	2.55E-06	3.47E-06	5.51E-06	9.52E-07	6.97E-07	2.52E-05
1315	490658.06	3859640.74	3.61E-02	3.68E-02	3.68E-02	1.25E-05	3.77E-05	2.18E-05	2.23E-05	2.02E-05	9.03E-06	9.21E-06	4.17E-07	1.01E-05	2.22E-06	3.03E-06	4.80E-06	8.29E-07	6.07E-07	2.20E-05
1316	490708.06	3859640.74	3.23E-02	3.29E-02	3.29E-02	1.12E-05	3.37E-05	1.95E-05	1.99E-05	1.81E-05	8.07E-06	8.23E-06	3.73E-07	9.01E-06	1.99E-06	2.70E-06	4.29E-06	7.41E-07	5.43E-07	1.96E-05
1317	490758.06	3859640.74	2.89E-02	2.95E-02	2.95E-02	1.00E-05	3.02E-05	1.75E-05	1.79E-05	1.62E-05	7.24E-06	7.38E-06	3.34E-07	8.07E-06	1.78E-06	2.42E-06	3.84E-06	6.64E-07	4.86E-07	1.76E-05
1318	490808.06	3859640.74	2.65E-02	2.70E-02	2.70E-02	9.18E-06	2.77E-05	1.60E-05	1.64E-05	1.48E-05	6.63E-06	6.76E-06	3.06E-07	7.40E-06	1.63E-06	2.22E-06	3.52E-06	6.09E-07	4.46E-07	1.61E-05
1319	490858.06	3859640.74	2.44E-02	2.49E-02	2.49E-02	8.46E-06	2.55E-05	1.48E-05	1.51E-05	1.37E-05	6.11E-06	6.23E-06	2.82E-07	6.82E-06	1.50E-06	2.05E-06	3.25E-06	5.61E-07	4.11E-07	1.49E-05
1320	490608.06	3859690.74	5.76E-02	5.88E-02	5.87E-02	1.99E-05	6.02E-05	3.49E-05	3.56E-05	3.22E-05	1.44E-05	1.47E-05	6.66E-07	1.61E-05	3.55E-06	4.83E-06	7.66E-06	1.32E-06	9.69E-07	3.51E-05
1321	490658.06	3859690.74	4.83E-02	4.93E-02	4.93E-02	1.67E-05	5.05E-05	2.92E-05	2.98E-05	2.70E-05	1.21E-05	1.23E-05	5.59E-07	1.35E-05	2.98E-06	4.05E-06	6.43E-06	1.11E-06	8.13E-07	2.94E-05
1322	490708.06	3859690.74	4.17E-02	4.26E-02	4.25E-02	1.44E-05	4.36E-05	2.52E-05	2.58E-05	2.33E-05	1.04E-05	1.06E-05	4.82E-07	1.16E-05	2.57E-06	3.50E-06	5.55E-06	9.58E-07	7.02E-07	2.54E-05
1323	490758.06	3859690.74	3.64E-02	3.72E-02	3.71E-02	1.26E-05	3.81E-05	2.20E-05	2.25E-05	2.04E-05	9.12E-06	9.29E-06	4.21E-07	1.02E-05	2.24E-06	3.05E-06	4.84E-06	8.37E-07	6.13E-07	2.22E-05
1324	490808.06	3859690.74	3.26E-02	3.33E-02	3.33E-02	1.13E-05	3.41E-05	1.97E-05	2.01E-05	1.83E-05	8.17E-06	8.32E-06	3.77E-07	9.11E-06	2.01E-06	2.74E-06	4.34E-06	7.50E-07	5.49E-07	1.99E-05
1325	490858.06	3859690.74	3.03E-02	3.09E-02	3.08E-02	1.05E-05	3.16E-05	1.83E-05	1.87E-05	1.69E-05	7.57E-06	7.72E-06	3.50E-07	8.45E-06	1.86E-06	2.54E-06	4.02E-06	6.95E-07	5.09E-07	1.84E-05
1326	490708.06	3859740.74	6.04E-02	6.16E-02	6.15E-02	2.09E-05	6.31E-05	3.65E-05	3.73E-05	3.38E-05	1.51E-05	1.54E-05	6.98E-07	1.69E-05	3.72E-06	5.06E-06	8.03E-06	1.39E-06	1.02E-06	3.68E-05
1327	490758.06	3859740.74	5.15E-02	5.26E-02	5.25E-02	1.78E-05	5.38E-05	3.12E-05	3.18E-05	2.88E-05	1.29E-05	1.31E-05	5.95E-07	1.44E-05	3.17E-06	4.32E-06	6.85E-06	1.18E-06	8.67E-07	3.14E-05
1328	490808.06	3859740.74	4.45E-02	4.54E-02	4.54E-02	1.54E-05	4.65E-05	2.69E-05	2.75E-05	2.49E-05	1.11E-05	1.14E-05	5.14E-07	1.24E-05	2.74E-06	3.73E-06	5.92E-06	1.02E-06	7.49E-07	2.71E-05
1329	490858.06	3859740.74	3.96E-02	4.04E-02	4.04E-02	1.37E-05	4.14E-05	2.40E-05	2.45E-05	2.22E-05	9.91E-06	1.01E-05	4.58E-07	1.11E-05	2.44E-06	3.32E-06	5.27E-06	9.10E-07	6.66E-07	2.41E-05
1330	490786.56	3859749.39	5.07E-02	5.18E-02	5.17E-02	1.76E-05	5.30E-05	3.07E-05	3.13E-05	2.84E-05	1.27E-05	1.29E-05	5.87E-07	1.42E-05	3.13E-06	4.25E-06	6.75E-06	1.17E-06	8.54E-07	3.09E-05
1331	490836.56	3859749.39	4.38E-02	4.47E-02	4.47E-02	1.52E-05	4.58E-05	2.65E-05	2.71E-05	2.45E-05	1.10E-05	1.12E-05	5.07E-07	1.22E-05	2.70E-06	3.67E-06	5.83E-06	1.01E-06	7.37E-07	2.67E-05
1332	490786.56	3859799.39	7.95E-02	8.12E-02	8.11E-02	2.75E-05	8.31E-05	4.81E-05	4.91E-05	4.45E-05	1.99E-05	2.03E-05	9.19E-07	2.22E-05	4.90E-06	6.67E-06	1.06E-05	1.83E-06	1.34E-06	4.84E-05
1333	490836.56	3859799.39	6.54E-02	6.67E-02	6.66E-02	2.26E-05	6.83E-05	3.96E-05	4.04E-05	3.66E-05	1.64E-05	1.67E-05	7.56E-07	1.83E-05	4.03E-06	5.48E-06	8.69E-06	1.50E-06	1.10E-06	3.98E-05
1334	492307.84	3854508.36	9.82E-04	1.00E-03	1.00E-03	3.40E-07	1.03E-06	5.94E-07	6.07E-07	5.50E-07	2.46E-07	2.51E-07	1.14E-08	2.74E-07	6.05E-08	8.24E-08	1.31E-07	2.26E-08	1.65E-08	5.98E-07
1335	486445.7	3854753.6	1.22E-03	1.25E-03	1.25E-03	4.24E-07	1.28E-06	7.41E-07	7.56E-07	6.85E-07	3.06E-07	3.12E-07	1.42E-08	3.42E-07	7.54E-08	1.03E-07	1.63E-07	2.81E-08	2.06E-08	7.46E-07
1336	472599.75	3877830.11	7.87E-05	8.03E-05	8.02E-05	2.72E-08	8.22E-08	4.76E-08	4.86E-08	4.40E-08	1.97E-08	2.01E-08	9.09E-10	2.20E-08	4.85E-09	6.60E-09	1.05E-08	1.81E-09	1.32E-09	4.79E-08
1337	493107.48	3866840.19	2.02E-04	2.06E-04	2.06E-04	7.00E-08	2.11E-07	1.22E-07	1.25E-07	1.13E-07	5.06E-08	5.16E-08	2.34E-09	5.64E-08	1.25E-08	1.69E-08	2.69E-08	4.64E-09	3.40E-09	1.23E-07
1338	495815.8	3861662.87	1.24E-03	1.27E-03	1.27E-03	4.31E-07	1.30E-06	7.53E-07	7.69E-07	6.97E-07	3.12E-07	3.18E-07	1.44E-08	3.48E-07	7.67E-08	1.04E-07	1.66E-07	2.86E-08	2.09E-08	7.58E-07
1339	480272.33	3841389.2	4.48E-05	4.57E-05	4.56E-05	1.55E-08	4.68E-08	2.71E-08	2.77E-08	2.51E-08	1.12E-08	1.14E-08	5.18E-10	1.25E-08	2.76E-09	3.75E-09	5.96E-09	1.03E-09	7.54E-10	2.73E-08
1340	497005.18	3862813.64	6.96E-04	7.10E-04	7.09E-04	2.41E-07	7.27E-07	4.21E-07	4.30E-07	3.90E-07	1.74E-07	1.78E-07	8.05E-09	1.94E-07	4.29E-08	5.83E-08	9.26E-08	1.60E-08	1.17E-08	4.24E-07
1341	493677.33	3860302.55	5.30E-03	5.40E-03	5.40E-03	1.83E-06	5.53E-06	3.20E-06	3.27E-06	2.96E-06	1.33E-06	1.35E-06	6.12E-08	1.48E-06	3.26E-07	4.44E-07	7.04E-07	1.22E-07	8.91E-08	3.22E-06
1342	493727.33	3860302.55	5.16E-03	5.26E-03	5.26E-03	1.79E-06	5.39E-06	3.12E-06	3.18E-06	2.89E-06	1.29E-06	1.32E-06	5.96E-08	1.44E-06	3.18E-07	4.32E-07	6.86E-07	1.18E-07	8.68E-08	3.14E-06
1343	493777.33	3860302.55	5.02E-03	5.13E-03	5.12E-03	1.74E-06	5.25E-06	3.04E-06	3.10E-06	2.81E-06	1.26E-06	1.28E-06	5.81E-08	1.40E-06	3.09E-07	4.21E-07	6.68E-07	1.15E-07	8.45E-08	3.06E-06
1344	493827.33	3860302.55	4.89E-03	4.99E-03	4.99E-03	1.69E-06	5.12E-06	2.96E-06	3.02E-06	2.74E-06	1.23E-06	1.25E-06	5.66E-08	1.37E-06	3.02E-07	4.10E-07	6.51E-07	1.12E-07	8.24E-08	2.98E-06
1345	493877.33	3860302.55	4.78E-03	4.88E-03	4.87E-03	1.65E-06	5.00E-06	2.89E-06	2.95E-06	2.68E-06	1.20E-06	1.22E-06	5.53E-08	1.33E-06	2.95E-07	4.01E-07	6.36E-07	1.10E-07	8.04E-08	2.91E-06
1346	493927.33	3860302.55	4.67E-03	4.77E-03	4.76E-03	1.62E-06	4.88E-06	2.83E-06	2.88E-06	2.61E-06	1.17E-06	1.19E-06	5.40E-08	1.30E-06	2.88E-07	3.92E-07	6.21E-07	1.07E-07	7.86E-08	2.84E-06
1347	493977.33	3860302.55	4.53E-03	4.63E-03	4.62E-03	1.57E-06	4.74E-06	2.74E-06	2.80E-06	2.54E-06	1.13E-06	1.16E-06	5.24E-08	1.27E-06	2.79E-07	3.80E-07	6.03E-07	1.04E-07	7.63E-08	2.76E-06
1348	494027.33	3860302.55	4.41E-03	4.51E-03	4.50E-03	1.53E-06	4.61E-06	2.67E-06	2.73E-06	2.47E-06	1.10E-06	1.13E-06	5.10E-08	1.23E-06	2.72E-07	3.70E-07	5.87E-07	1.01E-07	7.43E-08	2.69E-06
1349	493677.33	3860352.55	5.22E-03	5.33E-03	5.32E-03	1.81E-06	5.46E-06	3.16E-06	3.22E-06	2.92E-06	1.31E-06	1.33E-06	6.03E-08	1.46E-06	3.22E-07	4.38E-07	6.94E-07	1.20E-07	8.78E-08	3.18E-06
1350	493727.33	3860352.55	5.09E-03	5.19E-03	5.19E-03	1.76E-06	5.32E-06	3.08E-06	3.14E-06	2.85E-06	1.27E-06	1.30E-06	5.88E-08	1.42E-06	3.14E-07	4.27E-07	6.77E-07	1.17E-07	8.56E-08	3.10E-06
1351	493777.33	3860352.55	4.96E-03	5.07E-03	5.06E-03	1.72E-06	5.19E-06	3.00E-06	3.06E-06	2.78E-06	1.24E-06	1.27E-06	5.74E-08	1.39E-06	3.06E-07	4.16E-07	6.60E-07	1.14E-07	8.35E-08	3.02E-06
1352	493827.33	3860352.55	4.84E-03	4.94E-03	4.94E-03	1.68E-06	5.06E-06	2.93E-06	2.99E-06	2.71E-06	1.21E-06	1.24E-06	5.60E-08	1.35E-06	2.98E-07	4.06E-07	6.44E-07	1.11E-07	8.15E-08	2.95E-06
1353	493877.33	3860352.55	4.72E-03	4.82E-03	4.81E-03	1.63E-06	4.94E-06	2.86E-06	2.92E-06	2.64E-06	1.18E-06	1.20E-06	5.46E-08	1.32E-06	2.91E-07	3.96E-07	6.28E-07	1.08E-07	7.94E-08	2.88E-06
1354	493927.33	3860352.55	4.60E-03	4.70E-03	4.69E-03	1.59E-06	4.81E-06	2.78E-06	2.84E-06	2.58E-06	1.15E-06	1.17E-06	5.32E-08	1.29E-06	2.84E-07	3.86E-07	6.12E-07	1.06E-07	7.74E-08	2.80E-06
1355	493977.33	3860352.55	4.48E-03	4.57E-03	4.57E-03	1.55E-06	4.68E-06	2.71E-06	2.77E-06	2.51E-06	1.12E-06	1.14E-06	5.18E-08	1.25E-06	2.76E-07	3.76E-07	5.96E-07	1.03E-07	7.54E-08	2.73E-06
1356	494027.33	3860352.55	4.38E-03	4.47E-03	4.46E-03	1.52E-06	4.58E-06	2.65E-06	2.70E-06	2.45E-06	1.10E-06	1.12E-06	5.06E-08	1.22E-06	2.70E-07	3.67E-07	5.82E-07	1.01E-07	7.37E-08	2.67E-06
1357	493677.33	3860402.55	5.13E-03	5.24E-03	5.23E-03	1.78E-06	5.36E-06	3.10E-06	3.17E-06	2.87E-06	1.28E-06	1.31E-06	5.93E-08	1.43E-06	3.16E-07	4.30E-07	6.82E-07	1.18E-07	8.63E-08	3.12E-06
1358	493727.33	3860402.55	5.00E-03	5.10E-03	5.10E-03	1.73E-06	5.23E-06	3.03E-06	3.09E-06	2.80E-06	1.25E-06	1.28E-06	5.78E-08	1.40E-06	3.08E-07	4.19E-07	6.65E-07	1.15E-07	8.42E-08	3.05E-06
1359	493777.33	3860402.55	4.86E-03	4.96E-03	4.96E-03	1.68E-06	5.08E-06	2.94E-06	3.00E-06	2.72E-06	1.22E-06	1.24E-06	5.62E-08	1.36E-06	3.00E-07	4.08E-07	6.47E-07	1.12E-07	8.18E-08	2.96E-06
1360	493827.33	3860402.55	4.75E-03	4.85E-03	4.84E-03	1.64E-06	4.97E-06	2.88E-06	2.93E-06	2.66E-06	1.19E-06	1.21E-06	5.49E-08	1.33E-06	2.93E-07	3.98E-07	6.32E-07	1.09E-07	8.00E-08	2.89E-06
1361	493877.33	3860402.55	4.64E-03	4.73E-03	4.73E-03	1.61E-06	4.85E-06	2.81E-06	2.86E-06	2.60E-06	1.16E-06	1.18E-06	5.36E-08	1.30E-06	2.86E-07	3.89E-07	6.17E-07	1.07E-07	7.81E-08	2.83E-06

1362	493927.33	3860402.55	4.52E-03	4.61E-03	4.61E-03	1.56E-06	4.72E-06	2.74E-06	2.79E-06	2.53E-06	1.13E-06	1.15E-06	5.23E-08	1.26E-06	2.79E-07	3.79E-07	6.01E-07	1.04E-07	7.61E-08	2.75E-06
1363	493977.33	3860402.55	4.40E-03	4.49E-03	4.49E-03	1.52E-06	4.60E-06	2.66E-06	2.72E-06	2.47E-06	1.10E-06	1.12E-06	5.09E-08	1.23E-06	2.71E-07	3.69E-07	5.86E-07	1.01E-07	7.41E-08	2.68E-06
1364	494027.33	3860402.55	4.31E-03	4.40E-03	4.39E-03	1.49E-06	4.50E-06	2.61E-06	2.66E-06	2.41E-06	1.08E-06	1.10E-06	4.98E-08	1.20E-06	2.66E-07	3.61E-07	5.73E-07	9.90E-08	7.25E-08	2.62E-06
1365	493677.33	3860452.55	5.01E-03	5.11E-03	5.10E-03	1.73E-06	5.23E-06	3.03E-06	3.09E-06	2.80E-06	1.25E-06	1.28E-06	5.79E-08	1.40E-06	3.09E-07	4.20E-07	6.66E-07	1.15E-07	8.43E-08	3.05E-06
1366	493727.33	3860452.55	4.89E-03	4.99E-03	4.99E-03	1.69E-06	5.11E-06	2.96E-06	3.02E-06	2.74E-06	1.22E-06	1.25E-06	5.66E-08	1.37E-06	3.01E-07	4.10E-07	6.51E-07	1.12E-07	8.23E-08	2.98E-06
1367	493777.33	3860452.55	4.77E-03	4.87E-03	4.86E-03	1.65E-06	4.99E-06	2.89E-06	2.95E-06	2.67E-06	1.19E-06	1.22E-06	5.52E-08	1.33E-06	2.94E-07	4.00E-07	6.35E-07	1.10E-07	8.03E-08	2.91E-06
1368	493827.33	3860452.55	4.65E-03	4.75E-03	4.74E-03	1.61E-06	4.86E-06	2.81E-06	2.87E-06	2.60E-06	1.16E-06	1.19E-06	5.38E-08	1.30E-06	2.87E-07	3.90E-07	6.19E-07	1.07E-07	7.83E-08	2.83E-06
1369	493877.33	3860452.55	4.54E-03	4.63E-03	4.62E-03	1.57E-06	4.74E-06	2.75E-06	2.80E-06	2.54E-06	1.14E-06	1.16E-06	5.24E-08	1.27E-06	2.80E-07	3.80E-07	6.03E-07	1.04E-07	7.63E-08	2.76E-06
1370	493927.33	3860452.55	4.42E-03	4.51E-03	4.50E-03	1.53E-06	4.62E-06	2.67E-06	2.73E-06	2.47E-06	1.11E-06	1.13E-06	5.11E-08	1.23E-06	2.72E-07	3.70E-07	5.87E-07	1.01E-07	7.43E-08	2.69E-06
1371	493977.33	3860452.55	4.32E-03	4.41E-03	4.40E-03	1.49E-06	4.51E-06	2.61E-06	2.67E-06	2.42E-06	1.08E-06	1.10E-06	4.99E-08	1.21E-06	2.66E-07	3.62E-07	5.74E-07	9.92E-08	7.26E-08	2.63E-06
1372	494027.33	3860452.55	4.22E-03	4.31E-03	4.30E-03	1.46E-06	4.41E-06	2.55E-06	2.61E-06	2.36E-06	1.06E-06	1.08E-06	4.88E-08	1.18E-06	2.60E-07	3.54E-07	5.62E-07	9.70E-08	7.10E-08	2.57E-06
1373	493677.33	3860502.55	4.87E-03	4.97E-03	4.96E-03	1.69E-06	5.09E-06	2.95E-06	3.01E-06	2.72E-06	1.22E-06	1.24E-06	5.63E-08	1.36E-06	3.00E-07	4.08E-07	6.47E-07	1.12E-07	8.19E-08	2.97E-06
1374	493727.33	3860502.55	4.75E-03	4.85E-03	4.84E-03	1.65E-06	4.97E-06	2.88E-06	2.93E-06	2.66E-06	1.19E-06	1.21E-06	5.49E-08	1.33E-06	2.93E-07	3.98E-07	6.32E-07	1.09E-07	8.00E-08	2.89E-06
1375	493777.33	3860502.55	4.64E-03	4.73E-03	4.73E-03	1.61E-06	4.85E-06	2.81E-06	2.86E-06	2.60E-06	1.16E-06	1.18E-06	5.36E-08	1.30E-06	2.86E-07	3.89E-07	6.17E-07	1.07E-07	7.81E-08	2.83E-06
1376	493827.33	3860502.55	4.53E-03	4.62E-03	4.62E-03	1.57E-06	4.74E-06	2.74E-06	2.80E-06	2.54E-06	1.13E-06	1.16E-06	5.24E-08	1.27E-06	2.79E-07	3.80E-07	6.03E-07	1.04E-07	7.62E-08	2.76E-06
1377	493877.33	3860502.55	4.42E-03	4.51E-03	4.51E-03	1.53E-06	4.62E-06	2.68E-06	2.73E-06	2.48E-06	1.11E-06	1.13E-06	5.11E-08	1.24E-06	2.73E-07	3.71E-07	5.88E-07	1.02E-07	7.44E-08	2.69E-06
1378	493927.33	3860502.55	4.32E-03	4.40E-03	4.40E-03	1.49E-06	4.51E-06	2.61E-06	2.66E-06	2.42E-06	1.08E-06	1.10E-06	4.99E-08	1.20E-06	2.66E-07	3.62E-07	5.74E-07	9.91E-08	7.26E-08	2.63E-06
1379	493977.33	3860502.55	4.22E-03	4.31E-03	4.30E-03	1.46E-06	4.41E-06	2.55E-06	2.61E-06	2.36E-06	1.06E-06	1.08E-06	4.88E-08	1.18E-06	2.60E-07	3.54E-07	5.61E-07	9.70E-08	7.10E-08	2.57E-06
1380	494027.33	3860502.55	4.13E-03	4.21E-03	4.21E-03	1.43E-06	4.32E-06	2.50E-06	2.55E-06	2.31E-06	1.03E-06	1.05E-06	4.77E-08	1.15E-06	2.54E-07	3.46E-07	5.49E-07	9.48E-08	6.95E-08	2.51E-06
1381	493627.33	3860552.55	4.83E-03	4.93E-03	4.92E-03	1.67E-06	5.05E-06	2.92E-06	2.98E-06	2.70E-06	1.21E-06	1.23E-06	5.58E-08	1.35E-06	2.97E-07	4.05E-07	6.42E-07	1.11E-07	8.12E-08	2.94E-06
1382	493677.33	3860552.55	4.71E-03	4.81E-03	4.80E-03	1.63E-06	4.92E-06	2.85E-06	2.91E-06	2.64E-06	1.18E-06	1.20E-06	5.44E-08	1.32E-06	2.90E-07	3.95E-07	6.26E-07	1.08E-07	7.93E-08	2.87E-06
1383	493727.33	3860552.55	4.60E-03	4.69E-03	4.69E-03	1.59E-06	4.81E-06	2.78E-06	2.84E-06	2.57E-06	1.15E-06	1.17E-06	5.32E-08	1.28E-06	2.83E-07	3.85E-07	6.11E-07	1.06E-07	7.74E-08	2.80E-06
1384	493777.33	3860552.55	4.49E-03	4.58E-03	4.58E-03	1.56E-06	4.70E-06	2.72E-06	2.77E-06	2.51E-06	1.12E-06	1.15E-06	5.19E-08	1.25E-06	2.77E-07	3.77E-07	5.97E-07	1.03E-07	7.56E-08	2.74E-06
1385	493827.33	3860552.55	4.39E-03	4.48E-03	4.48E-03	1.52E-06	4.59E-06	2.66E-06	2.71E-06	2.46E-06	1.10E-06	1.12E-06	5.08E-08	1.23E-06	2.71E-07	3.68E-07	5.84E-07	1.01E-07	7.39E-08	2.67E-06
1386	493877.33	3860552.55	4.29E-03	4.38E-03	4.38E-03	1.49E-06	4.49E-06	2.60E-06	2.65E-06	2.40E-06	1.07E-06	1.10E-06	4.96E-08	1.20E-06	2.65E-07	3.60E-07	5.71E-07	9.86E-08	7.23E-08	2.62E-06
1387	493927.33	3860552.55	4.20E-03	4.28E-03	4.28E-03	1.45E-06	4.39E-06	2.54E-06	2.59E-06	2.35E-06	1.05E-06	1.07E-06	4.85E-08	1.17E-06	2.59E-07	3.52E-07	5.58E-07	9.64E-08	7.07E-08	2.56E-06
1388	493977.33	3860552.55	4.11E-03	4.19E-03	4.19E-03	1.42E-06	4.29E-06	2.48E-06	2.54E-06	2.30E-06	1.03E-06	1.05E-06	4.75E-08	1.15E-06	2.53E-07	3.44E-07	5.46E-07	9.43E-08	6.91E-08	2.50E-06
1389	494027.33	3860552.55	4.02E-03	4.10E-03	4.10E-03	1.39E-06	4.20E-06	2.43E-06	2.48E-06	2.25E-06	1.01E-06	1.03E-06	4.65E-08	1.12E-06	2.48E-07	3.37E-07	5.35E-07	9.24E-08	6.77E-08	2.45E-06
1390	493627.33	3860602.55	4.64E-03	4.74E-03	4.73E-03	1.61E-06	4.85E-06	2.81E-06	2.87E-06	2.60E-06	1.16E-06	1.18E-06	5.37E-08	1.30E-06	2.86E-07	3.89E-07	6.18E-07	1.07E-07	7.81E-08	2.83E-06
1391	493727.33	3860602.55	4.42E-03	4.51E-03	4.50E-03	1.53E-06	4.62E-06	2.67E-06	2.73E-06	2.47E-06	1.11E-06	1.13E-06	5.11E-08	1.23E-06	2.72E-07	3.70E-07	5.88E-07	1.01E-07	7.44E-08	2.69E-06
1392	493777.33	3860602.55	4.33E-03	4.42E-03	4.41E-03	1.50E-06	4.52E-06	2.62E-06	2.67E-06	2.42E-06	1.08E-06	1.10E-06	5.00E-08	1.21E-06	2.67E-07	3.63E-07	5.76E-07	9.94E-08	7.28E-08	2.64E-06
1393	493827.33	3860602.55	4.24E-03	4.32E-03	4.32E-03	1.47E-06	4.43E-06	2.56E-06	2.62E-06	2.37E-06	1.06E-06	1.08E-06	4.90E-08	1.18E-06	2.61E-07	3.55E-07	5.63E-07	9.73E-08	7.13E-08	2.58E-06
1394	493877.33	3860602.55	4.15E-03	4.24E-03	4.23E-03	1.44E-06	4.34E-06	2.51E-06	2.56E-06	2.32E-06	1.04E-06	1.06E-06	4.80E-08	1.16E-06	2.56E-07	3.48E-07	5.52E-07	9.53E-08	6.98E-08	2.53E-06
1395	493927.33	3860602.55	4.06E-03	4.15E-03	4.14E-03	1.41E-06	4.25E-06	2.46E-06	2.51E-06	2.27E-06	1.02E-06	1.04E-06	4.70E-08	1.13E-06	2.50E-07	3.41E-07	5.40E-07	9.33E-08	6.84E-08	2.48E-06
1396	493977.33	3860602.55	3.98E-03	4.06E-03	4.06E-03	1.38E-06	4.16E-06	2.41E-06	2.46E-06	2.23E-06	9.96E-07	1.02E-06	4.60E-08	1.11E-06	2.45E-07	3.34E-07	5.29E-07	9.14E-08	6.70E-08	2.42E-06
1397	494027.33	3860602.55	3.90E-03	3.98E-03	3.98E-03	1.35E-06	4.08E-06	2.36E-06	2.41E-06	2.18E-06	9.76E-07	9.95E-07	4.51E-08	1.09E-06	2.40E-07	3.27E-07	5.19E-07	8.96E-08	6.56E-08	2.38E-06
1398	493627.33	3860652.55	4.45E-03	4.54E-03	4.53E-03	1.54E-06	4.65E-06	2.69E-06	2.75E-06	2.49E-06	1.11E-06	1.13E-06	5.14E-08	1.24E-06	2.74E-07	3.73E-07	5.91E-07	1.02E-07	7.48E-08	2.71E-06
1399	493727.33	3860652.55	4.24E-03	4.32E-03	4.32E-03	1.47E-06	4.43E-06	2.56E-06	2.62E-06	2.37E-06	1.06E-06	1.08E-06	4.90E-08	1.18E-06	2.61E-07	3.55E-07	5.64E-07	9.73E-08	7.13E-08	2.58E-06
1400	493777.33	3860652.55	4.15E-03	4.24E-03	4.23E-03	1.44E-06	4.34E-06	2.51E-06	2.56E-06	2.32E-06	1.04E-06	1.06E-06	4.80E-08	1.16E-06	2.56E-07	3.48E-07	5.52E-07	9.54E-08	6.99E-08	2.53E-06
1401	493827.33	3860652.55	4.07E-03	4.16E-03	4.15E-03	1.41E-06	4.26E-06	2.46E-06	2.51E-06	2.28E-06	1.02E-06	1.04E-06	4.71E-08	1.14E-06	2.51E-07	3.41E-07	5.42E-07	9.35E-08	6.85E-08	2.48E-06
1402	493877.33	3860652.55	3.99E-03	4.08E-03	4.07E-03	1.38E-06	4.18E-06	2.42E-06	2.47E-06	2.24E-06	1.00E-06	1.02E-06	4.62E-08	1.12E-06	2.46E-07	3.35E-07	5.31E-07	9.18E-08	6.72E-08	2.43E-06
1403	493927.33	3860652.55	3.92E-03	4.00E-03	3.99E-03	1.36E-06	4.09E-06	2.37E-06	2.42E-06	2.19E-06	9.80E-07	9.99E-07	4.53E-08	1.09E-06	2.41E-07	3.28E-07	5.21E-07	9.00E-08	6.59E-08	2.39E-06
1404	493977.33	3860652.55	3.84E-03	3.92E-03	3.91E-03	1.33E-06	4.01E-06	2.32E-06	2.37E-06	2.15E-06	9.61E-07	9.80E-07	4.44E-08	1.07E-06	2.37E-07	3.22E-07	5.11E-07	8.82E-08	6.46E-08	2.34E-06
1405	494027.33	3860652.55	3.77E-03	3.85E-03	3.84E-03	1.31E-06	3.94E-06	2.28E-06	2.33E-06	2.11E-06	9.44E-07	9.62E-07	4.36E-08	1.05E-06	2.32E-07	3.16E-07	5.02E-07	8.66E-08	6.35E-08	2.30E-06
1406	494311.06	3858401.99	9.74E-04	9.94E-04	9.93E-04	3.37E-07	1.02E-06	5.89E-07	6.01E-07	5.45E-07	2.44E-07	2.48E-07	1.13E-08	2.72E-07	6.00E-08	8.16E-08	1.30E-07	2.24E-08	1.64E-08	5.93E-07
1407	494361.06	3858401.99	9.63E-04	9.82E-04	9.81E-04	3.33E-07	1.01E-06	5.82E-07	5.94E-07	5.39E-07	2.41E-07	2.46E-07	1.11E-08	2.69E-07	5.93E-08	8.07E-08	1.28E-07	2.21E-08	1.62E-08	5.86E-07
1408	494411.06	3858401.99	9.56E-04	9.75E-04	9.74E-04	3.31E-07	9.99E-07	5.78E-07	5.90E-07	5.35E-07	2.39E-07	2.44E-07	1.10E-08	2.67E-07	5.89E-08	8.01E-08	1.27E-07	2.19E-08	1.61E-08	5.82E-07
1409	494461.06	3858401.99	9.54E-04	9.73E-04	9.72E-04	3.30E-07	9.97E-07	5.77E-07	5.89E-07	5.34E-07	2.39E-07	2.43E-07	1.10E-08	2.66E-07	5.88E-08	7.99E-08	1.27E-07	2.19E-08	1.60E-08	5.81E-07
1410	494511.06	3858401.99	9.46E-04	9.65E-04	9.64E-04	3.27E-07	9.89E-07	5.72E-07	5.84E-07	5.29E-07	2.37E-07	2.41E-07	1.09E-08	2.64E-07	5.83E-08	7.93E-08	1.26E-07	2.17E-08	1.59E-08	5.76E-07
1411	494561.06	3858401.99	9.43E-04	9.62E-04	9.61E-04	3.27E-07	9.86E-07	5.71E-07	5.82E-07	5.28E-07	2.36E-07	2.41E-07	1.09E-08	2.63E-07	5.81E-08	7.91E-08	1.25E-07	2.17E-08	1.59E-08	5.74E-07
1412	494611.06	3858401.99	9.35E-04	9.54E-04	9.53E-04	3.24E-07	9.77E-07	5.66E-07	5.77E-07	5.23E-07	2.34E-07	2.38E-07	1.08E-08	2.61E-07	5.76E-08	7.84E-08	1.24E-07	2.15E-08	1.57E-08	5.69E-07
1413	494661.06	3858401.99	9.28E-04	9.47E-04	9.46E-04	3.21E-07	9.70E-07	5.61E-07	5.73E-07	5.19E-07	2.32E-07	2.37E-07	1.07E-08	2.59E-07	5.72E-08	7.78E-08	1.23E-07	2.13E-08	1.56E-08	5.65E-07
1414	494711.06	3858401.99	9.16E-04	9.35E-04	9.34E-04	3.17E-07	9.58E-07	5.54E-07	5.66E-07	5.13E-07	2.29E-07	2.34E-07	1.06E-08	2.56E-07	5.65E-08	7.68E-08	1.22E-07	2.10E-08	1.54E-08	5.58E-07
1415	494761.06	3858401.99	9.11E-04	9.30E-04	9.29E-04	3.15E-07	9.53E-07	5.51E-07	5.63E-07	5.10E-07	2.28E-07	2.32E-07	1.05E-08	2.54E-07	5.62E-08	7.64E-08	1.21E-07	2.09E-08	1.53E-08	5.55E-07
1416	494811.06	3858401.99	9.03E-04	9.21E-04	9.20E-04	3.12E-07	9.43E-07	5.46E-07	5.57E-07	5.05E-07	2.26E-07	2.30E-07	1.04E-08	2.52E-07	5.56E-08	7.57E-08	1.20E-07	2.07E-08	1.52E-08	5.50E-07
1417	494861.06	3858401.99	8.95E-04	9.13E-04	9.12E-04	3.10E-07	9.35E-07	5.41E-07	5.53E-07	5.01E-07	2.24E-07	2.28E-07	1.03E-08	2.50E-07	5.51E-08	7.50E-08	1.19E-07	2.06E-08	1.51E-08	5.45E-07
1418	494911.06	3858401.99	8.87E-04	9.05E-04	9.04E-04	3.07E-07	9.27E-07	5.37E-07	5.48E-07	4.97E-07	2.22E-07	2.26E-07	1.03E-08	2.48E-07	5.47E-08	7.44E-08	1.18E-07	2.04E-08	1.49E-08	5.40E-07

1419	494961.06	3858401.99	8.79E-04	8.97E-04	8.96E-04	3.04E-07	9.18E-07	5.32E-07	5.43E-07	4.92E-07	2.20E-07	2.24E-07	1.02E-08	2.45E-07	5.41E-08	7.37E-08	1.17E-07	2.02E-08	1.48E-08	5.35E-07
1420	495011.06	3858401.99	8.67E-04	8.85E-04	8.84E-04	3.00E-07	9.07E-07	5.25E-07	5.36E-07	4.86E-07	2.17E-07	2.21E-07	1.00E-08	2.42E-07	5.34E-08	7.27E-08	1.15E-07	1.99E-08	1.46E-08	5.28E-07
1421	495061.06	3858401.99	8.59E-04	8.76E-04	8.75E-04	2.97E-07	8.98E-07	5.20E-07	5.30E-07	4.81E-07	2.15E-07	2.19E-07	9.93E-09	2.40E-07	5.29E-08	7.20E-08	1.14E-07	1.97E-08	1.45E-08	5.23E-07
1422	495111.06	3858401.99	8.42E-04	8.59E-04	8.58E-04	2.91E-07	8.80E-07	5.09E-07	5.20E-07	4.71E-07	2.11E-07	2.15E-07	9.73E-09	2.35E-07	5.19E-08	7.06E-08	1.12E-07	1.93E-08	1.42E-08	5.13E-07
1423	495161.06	3858401.99	8.39E-04	8.56E-04	8.55E-04	2.91E-07	8.77E-07	5.08E-07	5.18E-07	4.70E-07	2.10E-07	2.14E-07	9.70E-09	2.34E-07	5.17E-08	7.03E-08	1.12E-07	1.93E-08	1.41E-08	5.11E-07
1424	495211.06	3858401.99	8.24E-04	8.41E-04	8.40E-04	2.85E-07	8.61E-07	4.99E-07	5.09E-07	4.61E-07	2.06E-07	2.10E-07	9.52E-09	2.30E-07	5.08E-08	6.91E-08	1.10E-07	1.89E-08	1.39E-08	5.02E-07
1425	495261.06	3858401.99	8.16E-04	8.33E-04	8.32E-04	2.82E-07	8.53E-07	4.94E-07	5.04E-07	4.57E-07	2.04E-07	2.08E-07	9.43E-09	2.28E-07	5.03E-08	6.84E-08	1.09E-07	1.87E-08	1.37E-08	4.97E-07
1426	495311.06	3858401.99	8.07E-04	8.24E-04	8.23E-04	2.79E-07	8.44E-07	4.89E-07	4.98E-07	4.52E-07	2.02E-07	2.06E-07	9.33E-09	2.25E-07	4.97E-08	6.77E-08	1.07E-07	1.85E-08	1.36E-08	4.92E-07
1427	495361.06	3858401.99	8.01E-04	8.18E-04	8.17E-04	2.77E-07	8.38E-07	4.85E-07	4.95E-07	4.49E-07	2.01E-07	2.04E-07	9.26E-09	2.24E-07	4.94E-08	6.72E-08	1.07E-07	1.84E-08	1.35E-08	4.88E-07
1428	495411.06	3858401.99	7.98E-04	8.15E-04	8.14E-04	2.76E-07	8.34E-07	4.83E-07	4.93E-07	4.47E-07	2.00E-07	2.04E-07	9.23E-09	2.23E-07	4.92E-08	6.69E-08	1.06E-07	1.83E-08	1.34E-08	4.86E-07
1429	495461.06	3858401.99	7.96E-04	8.12E-04	8.11E-04	2.76E-07	8.32E-07	4.82E-07	4.91E-07	4.45E-07	1.99E-07	2.03E-07	9.20E-09	2.22E-07	4.90E-08	6.67E-08	1.06E-07	1.83E-08	1.34E-08	4.85E-07
1430	495511.06	3858401.99	7.93E-04	8.09E-04	8.08E-04	2.74E-07	8.28E-07	4.80E-07	4.89E-07	4.44E-07	1.98E-07	2.02E-07	9.16E-09	2.21E-07	4.88E-08	6.64E-08	1.05E-07	1.82E-08	1.33E-08	4.83E-07
1431	495561.06	3858401.99	7.83E-04	7.99E-04	7.98E-04	2.71E-07	8.18E-07	4.74E-07	4.83E-07	4.38E-07	1.96E-07	2.00E-07	9.05E-09	2.19E-07	4.82E-08	6.56E-08	1.04E-07	1.80E-08	1.32E-08	4.77E-07
1432	495611.06	3858401.99	7.79E-04	7.95E-04	7.94E-04	2.70E-07	8.15E-07	4.72E-07	4.81E-07	4.36E-07	1.95E-07	1.99E-07	9.01E-09	2.18E-07	4.80E-08	6.53E-08	1.04E-07	1.79E-08	1.31E-08	4.75E-07
1433	495661.06	3858401.99	7.85E-04	8.01E-04	8.00E-04	2.72E-07	8.21E-07	4.75E-07	4.85E-07	4.40E-07	1.97E-07	2.00E-07	9.08E-09	2.19E-07	4.84E-08	6.58E-08	1.04E-07	1.80E-08	1.32E-08	4.78E-07
1434	494311.06	3858451.99	1.03E-03	1.05E-03	1.05E-03	3.56E-07	1.07E-06	6.22E-07	6.34E-07	5.75E-07	2.57E-07	2.62E-07	1.19E-08	2.87E-07	6.33E-08	8.61E-08	1.37E-07	2.36E-08	1.73E-08	6.26E-07
1435	494361.06	3858451.99	1.02E-03	1.04E-03	1.04E-03	3.52E-07	1.06E-06	6.16E-07	6.28E-07	5.70E-07	2.55E-07	2.60E-07	1.18E-08	2.84E-07	6.27E-08	8.53E-08	1.35E-07	2.34E-08	1.71E-08	6.20E-07
1436	494411.06	3858451.99	1.01E-03	1.03E-03	1.03E-03	3.50E-07	1.06E-06	6.11E-07	6.24E-07	5.66E-07	2.53E-07	2.58E-07	1.17E-08	2.82E-07	6.23E-08	8.47E-08	1.34E-07	2.32E-08	1.70E-08	6.15E-07
1437	494461.06	3858451.99	1.00E-03	1.02E-03	1.02E-03	3.48E-07	1.05E-06	6.07E-07	6.20E-07	5.62E-07	2.51E-07	2.56E-07	1.16E-08	2.80E-07	6.19E-08	8.42E-08	1.34E-07	2.31E-08	1.69E-08	6.11E-07
1438	494511.06	3858451.99	1.00E-03	1.02E-03	1.02E-03	3.46E-07	1.05E-06	6.05E-07	6.18E-07	5.60E-07	2.50E-07	2.55E-07	1.16E-08	2.79E-07	6.17E-08	8.39E-08	1.33E-07	2.30E-08	1.68E-08	6.09E-07
1439	494561.06	3858451.99	9.92E-04	1.01E-03	1.01E-03	3.43E-07	1.04E-06	6.00E-07	6.12E-07	5.55E-07	2.48E-07	2.53E-07	1.15E-08	2.77E-07	6.11E-08	8.31E-08	1.32E-07	2.28E-08	1.67E-08	6.04E-07
1440	494611.06	3858451.99	9.85E-04	1.00E-03	1.00E-03	3.41E-07	1.03E-06	5.96E-07	6.08E-07	5.51E-07	2.46E-07	2.51E-07	1.14E-08	2.75E-07	6.07E-08	8.26E-08	1.31E-07	2.26E-08	1.66E-08	6.00E-07
1441	494661.06	3858451.99	9.78E-04	9.98E-04	9.96E-04	3.38E-07	1.02E-06	5.92E-07	6.04E-07	5.47E-07	2.45E-07	2.49E-07	1.13E-08	2.73E-07	6.02E-08	8.20E-08	1.30E-07	2.25E-08	1.65E-08	5.95E-07
1442	494711.06	3858451.99	9.67E-04	9.87E-04	9.86E-04	3.35E-07	1.01E-06	5.85E-07	5.97E-07	5.41E-07	2.42E-07	2.47E-07	1.12E-08	2.70E-07	5.96E-08	8.11E-08	1.29E-07	2.22E-08	1.63E-08	5.89E-07
1443	494761.06	3858451.99	9.57E-04	9.76E-04	9.75E-04	3.31E-07	1.00E-06	5.79E-07	5.91E-07	5.35E-07	2.39E-07	2.44E-07	1.11E-08	2.67E-07	5.89E-08	8.02E-08	1.27E-07	2.20E-08	1.61E-08	5.83E-07
1444	494811.06	3858451.99	9.49E-04	9.68E-04	9.67E-04	3.28E-07	9.91E-07	5.74E-07	5.86E-07	5.31E-07	2.37E-07	2.42E-07	1.10E-08	2.65E-07	5.84E-08	7.95E-08	1.26E-07	2.18E-08	1.60E-08	5.78E-07
1445	494861.06	3858451.99	9.39E-04	9.58E-04	9.57E-04	3.25E-07	9.81E-07	5.68E-07	5.80E-07	5.25E-07	2.35E-07	2.39E-07	1.09E-08	2.62E-07	5.78E-08	7.87E-08	1.25E-07	2.16E-08	1.58E-08	5.72E-07
1446	494911.06	3858451.99	9.25E-04	9.44E-04	9.43E-04	3.20E-07	9.67E-07	5.60E-07	5.71E-07	5.18E-07	2.31E-07	2.36E-07	1.07E-08	2.58E-07	5.70E-08	7.75E-08	1.23E-07	2.12E-08	1.56E-08	5.63E-07
1447	494961.06	3858451.99	9.16E-04	9.35E-04	9.34E-04	3.17E-07	9.58E-07	5.54E-07	5.66E-07	5.13E-07	2.29E-07	2.34E-07	1.06E-08	2.56E-07	5.64E-08	7.68E-08	1.22E-07	2.10E-08	1.54E-08	5.58E-07
1448	495011.06	3858451.99	9.03E-04	9.22E-04	9.21E-04	3.13E-07	9.44E-07	5.47E-07	5.58E-07	5.06E-07	2.26E-07	2.30E-07	1.04E-08	2.52E-07	5.57E-08	7.57E-08	1.20E-07	2.08E-08	1.52E-08	5.50E-07
1449	495061.06	3858451.99	8.98E-04	9.16E-04	9.15E-04	3.11E-07	9.38E-07	5.43E-07	5.54E-07	5.03E-07	2.25E-07	2.29E-07	1.04E-08	2.51E-07	5.53E-08	7.53E-08	1.19E-07	2.06E-08	1.51E-08	5.47E-07
1450	495111.06	3858451.99	8.85E-04	9.04E-04	9.02E-04	3.07E-07	9.25E-07	5.36E-07	5.47E-07	4.96E-07	2.22E-07	2.26E-07	1.02E-08	2.47E-07	5.46E-08	7.42E-08	1.18E-07	2.03E-08	1.49E-08	5.39E-07
1451	495161.06	3858451.99	8.71E-04	8.89E-04	8.88E-04	3.02E-07	9.11E-07	5.27E-07	5.38E-07	4.88E-07	2.18E-07	2.22E-07	1.01E-08	2.43E-07	5.37E-08	7.30E-08	1.16E-07	2.00E-08	1.47E-08	5.31E-07
1452	495211.06	3858451.99	8.59E-04	8.76E-04	8.75E-04	2.97E-07	8.97E-07	5.20E-07	5.30E-07	4.81E-07	2.15E-07	2.19E-07	9.93E-09	2.40E-07	5.29E-08	7.20E-08	1.14E-07	1.97E-08	1.44E-08	5.23E-07
1453	495261.06	3858451.99	8.50E-04	8.67E-04	8.66E-04	2.94E-07	8.89E-07	5.14E-07	5.25E-07	4.76E-07	2.13E-07	2.17E-07	9.83E-09	2.37E-07	5.24E-08	7.13E-08	1.13E-07	1.95E-08	1.43E-08	5.18E-07
1454	495311.06	3858451.99	8.43E-04	8.61E-04	8.60E-04	2.92E-07	8.81E-07	5.10E-07	5.21E-07	4.72E-07	2.11E-07	2.15E-07	9.75E-09	2.35E-07	5.20E-08	7.07E-08	1.12E-07	1.94E-08	1.42E-08	5.14E-07
1455	495361.06	3858451.99	8.37E-04	8.55E-04	8.54E-04	2.90E-07	8.75E-07	5.07E-07	5.17E-07	4.69E-07	2.10E-07	2.14E-07	9.68E-09	2.34E-07	5.16E-08	7.02E-08	1.11E-07	1.92E-08	1.41E-08	5.10E-07
1456	495411.06	3858451.99	8.34E-04	8.52E-04	8.51E-04	2.89E-07	8.72E-07	5.05E-07	5.15E-07	4.67E-07	2.09E-07	2.13E-07	9.65E-09	2.33E-07	5.14E-08	7.00E-08	1.11E-07	1.92E-08	1.40E-08	5.08E-07
1457	495461.06	3858451.99	8.32E-04	8.49E-04	8.48E-04	2.88E-07	8.70E-07	5.04E-07	5.14E-07	4.66E-07	2.08E-07	2.12E-07	9.62E-09	2.32E-07	5.13E-08	6.98E-08	1.11E-07	1.91E-08	1.40E-08	5.07E-07
1458	495511.06	3858451.99	8.25E-04	8.42E-04	8.41E-04	2.86E-07	8.62E-07	4.99E-07	5.09E-07	4.62E-07	2.06E-07	2.10E-07	9.54E-09	2.30E-07	5.08E-08	6.92E-08	1.10E-07	1.89E-08	1.39E-08	5.02E-07
1459	495561.06	3858451.99	8.26E-04	8.43E-04	8.42E-04	2.86E-07	8.63E-07	5.00E-07	5.10E-07	4.62E-07	2.07E-07	2.11E-07	9.54E-09	2.31E-07	5.09E-08	6.92E-08	1.10E-07	1.90E-08	1.39E-08	5.03E-07
1460	495611.06	3858451.99	8.17E-04	8.33E-04	8.33E-04	2.83E-07	8.54E-07	4.94E-07	5.04E-07	4.57E-07	2.04E-07	2.08E-07	9.44E-09	2.28E-07	5.03E-08	6.85E-08	1.09E-07	1.88E-08	1.37E-08	4.97E-07
1461	495661.06	3858451.99	8.15E-04	8.32E-04	8.31E-04	2.82E-07	8.52E-07	4.93E-07	5.03E-07	4.56E-07	2.04E-07	2.08E-07	9.42E-09	2.28E-07	5.02E-08	6.83E-08	1.08E-07	1.87E-08	1.37E-08	4.97E-07
1462	494311.06	3858501.99	1.07E-03	1.09E-03	1.09E-03	3.70E-07	1.12E-06	6.47E-07	6.60E-07	5.98E-07	2.67E-07	2.73E-07	1.24E-08	2.98E-07	6.58E-08	8.96E-08	1.42E-07	2.45E-08	1.80E-08	6.51E-07
1463	494361.06	3858501.99	1.06E-03	1.08E-03	1.08E-03	3.68E-07	1.11E-06	6.43E-07	6.56E-07	5.95E-07	2.66E-07	2.71E-07	1.23E-08	2.97E-07	6.55E-08	8.91E-08	1.41E-07	2.44E-08	1.79E-08	6.47E-07
1464	494411.06	3858501.99	1.06E-03	1.08E-03	1.08E-03	3.65E-07	1.10E-06	6.39E-07	6.52E-07	5.91E-07	2.64E-07	2.69E-07	1.22E-08	2.95E-07	6.50E-08	8.85E-08	1.40E-07	2.42E-08	1.78E-08	6.43E-07
1465	494461.06	3858501.99	1.05E-03	1.07E-03	1.07E-03	3.64E-07	1.10E-06	6.36E-07	6.49E-07	5.89E-07	2.63E-07	2.68E-07	1.22E-08	2.94E-07	6.48E-08	8.82E-08	1.40E-07	2.42E-08	1.77E-08	6.40E-07
1466	494511.06	3858501.99	1.04E-03	1.06E-03	1.06E-03	3.60E-07	1.09E-06	6.30E-07	6.43E-07	5.83E-07	2.60E-07	2.65E-07	1.20E-08	2.91E-07	6.41E-08	8.72E-08	1.38E-07	2.39E-08	1.75E-08	6.34E-07
1467	494561.06	3858501.99	1.04E-03	1.06E-03	1.06E-03	3.61E-07	1.09E-06	6.31E-07	6.44E-07	5.84E-07	2.61E-07	2.66E-07	1.21E-08	2.91E-07	6.43E-08	8.75E-08	1.39E-07	2.40E-08	1.76E-08	6.35E-07
1468	494611.06	3858501.99	1.03E-03	1.06E-03	1.05E-03	3.58E-07	1.08E-06	6.26E-07	6.39E-07	5.79E-07	2.59E-07	2.64E-07	1.20E-08	2.89E-07	6.37E-08	8.67E-08	1.38E-07	2.38E-08	1.74E-08	6.30E-07
1469	494661.06	3858501.99	1.03E-03	1.05E-03	1.05E-03	3.56E-07	1.08E-06	6.22E-07	6.35E-07	5.76E-07	2.57E-07	2.62E-07	1.19E-08	2.87E-07	6.34E-08	8.62E-08	1.37E-07	2.36E-08	1.73E-08	6.26E-07
1470	494711.06	3858501.99	1.02E-03	1.04E-03	1.04E-03	3.52E-07	1.06E-06	6.16E-07	6.28E-07	5.69E-07	2.55E-07	2.60E-07	1.18E-08	2.84E-07	6.27E-08	8.53E-08	1.35E-07	2.34E-08	1.71E-08	6.20E-07
1471	494761.06	3858501.99	1.00E-03	1.03E-03	1.02E-03	3.48E-07	1.05E-06	6.08E-07	6.20E-07	5.62E-07	2.51E-07	2.56E-07	1.16E-08	2.80E-07	6.19E-08	8.42E-08	1.34E-07	2.31E-08	1.69E-08	6.12E-07
1472	494811.06	3858501.99	9.92E-04	1.01E-03	1.01E-03	3.44E-07	1.04E-06	6.00E-07	6.13E-07	5.55E-07	2.48E-07	2.53E-07	1.15E-08	2.77E-07	6.11E-08	8.32E-08	1.32E-07	2.28E-08	1.67E-08	6.04E-07
1473	494861.06	3858501.99	9.84E-04	1.00E-03	1.00E-03	3.41E-07	1.03E-06	5.95E-07	6.08E-07	5.51E-07	2.46E-07	2.51E-07	1.14E-08	2.75E-07	6.06E-08	8.25E-08	1.31E-07	2.26E-08	1.66E-08	5.99E-07
1474	494911.06	3858501.99	9.67E-04	9.87E-04	9.86E-04	3.35E-07	1.01E-06	5.85E-07	5.97E-07	5.41E-07	2.42E-07	2.47E-07	1.12E-08	2.70E-07	5.96E-08	8.11E-08	1.29E-07	2.22E-08	1.63E-08	5.89E-07
1475	494961.06	3858501.99	9.59E-04	9.78E-04	9.77E-04	3.32E-07	1.00E-06	5.80E-07	5.92E-07	5.36E-07	2.40E-07	2.45E-07	1.11E-08	2.68E-07	5.91E-08	8.04E-08	1.27E-07	2.20E-08	1.61E-08	5.84E-07

1476	495011.06	3858501.99	9.44E-04	9.63E-04	9.62E-04	3.27E-07	9.86E-07	5.71E-07	5.83E-07	5.28E-07	2.36E-07	2.41E-07	1.09E-08	2.63E-07	5.81E-08	7.91E-08	1.25E-07	2.17E-08	1.59E-08	5.75E-07
1477	495061.06	3858501.99	9.38E-04	9.57E-04	9.56E-04	3.25E-07	9.80E-07	5.67E-07	5.79E-07	5.25E-07	2.35E-07	2.39E-07	1.08E-08	2.62E-07	5.78E-08	7.86E-08	1.25E-07	2.15E-08	1.58E-08	5.71E-07
1478	495111.06	3858501.99	9.18E-04	9.37E-04	9.36E-04	3.18E-07	9.60E-07	5.56E-07	5.67E-07	5.14E-07	2.30E-07	2.34E-07	1.06E-08	2.56E-07	5.66E-08	7.70E-08	1.22E-07	2.11E-08	1.55E-08	5.59E-07
1479	495161.06	3858501.99	9.06E-04	9.25E-04	9.24E-04	3.14E-07	9.47E-07	5.48E-07	5.60E-07	5.07E-07	2.27E-07	2.31E-07	1.05E-08	2.53E-07	5.58E-08	7.60E-08	1.21E-07	2.08E-08	1.53E-08	5.52E-07
1480	495211.06	3858501.99	8.95E-04	9.13E-04	9.12E-04	3.10E-07	9.35E-07	5.41E-07	5.52E-07	5.01E-07	2.24E-07	2.28E-07	1.03E-08	2.50E-07	5.51E-08	7.50E-08	1.19E-07	2.05E-08	1.51E-08	5.45E-07
1481	495261.06	3858501.99	8.86E-04	9.04E-04	9.03E-04	3.07E-07	9.26E-07	5.36E-07	5.47E-07	4.96E-07	2.22E-07	2.26E-07	1.02E-08	2.47E-07	5.46E-08	7.43E-08	1.18E-07	2.04E-08	1.49E-08	5.40E-07
1482	495311.06	3858501.99	8.81E-04	8.99E-04	8.98E-04	3.05E-07	9.21E-07	5.33E-07	5.44E-07	4.93E-07	2.20E-07	2.25E-07	1.02E-08	2.46E-07	5.43E-08	7.38E-08	1.17E-07	2.02E-08	1.48E-08	5.36E-07
1483	495361.06	3858501.99	8.76E-04	8.94E-04	8.93E-04	3.03E-07	9.16E-07	5.30E-07	5.41E-07	4.90E-07	2.19E-07	2.23E-07	1.01E-08	2.45E-07	5.40E-08	7.34E-08	1.16E-07	2.01E-08	1.47E-08	5.34E-07
1484	495411.06	3858501.99	8.72E-04	8.90E-04	8.89E-04	3.02E-07	9.12E-07	5.28E-07	5.39E-07	4.88E-07	2.18E-07	2.23E-07	1.01E-08	2.44E-07	5.38E-08	7.31E-08	1.16E-07	2.00E-08	1.47E-08	5.31E-07
1485	495461.06	3858501.99	8.69E-04	8.87E-04	8.86E-04	3.01E-07	9.09E-07	5.26E-07	5.37E-07	4.87E-07	2.18E-07	2.22E-07	1.00E-08	2.43E-07	5.36E-08	7.29E-08	1.16E-07	2.00E-08	1.46E-08	5.29E-07
1486	495511.06	3858501.99	8.64E-04	8.82E-04	8.81E-04	2.99E-07	9.03E-07	5.23E-07	5.33E-07	4.84E-07	2.16E-07	2.20E-07	9.99E-09	2.41E-07	5.32E-08	7.24E-08	1.15E-07	1.98E-08	1.45E-08	5.26E-07
1487	495561.06	3858501.99	8.64E-04	8.82E-04	8.81E-04	2.99E-07	9.03E-07	5.23E-07	5.33E-07	4.84E-07	2.16E-07	2.20E-07	9.99E-09	2.41E-07	5.32E-08	7.24E-08	1.15E-07	1.98E-08	1.45E-08	5.26E-07
1488	495611.06	3858501.99	8.52E-04	8.70E-04	8.69E-04	2.95E-07	8.91E-07	5.16E-07	5.26E-07	4.77E-07	2.13E-07	2.17E-07	9.85E-09	2.38E-07	5.25E-08	7.15E-08	1.13E-07	1.96E-08	1.43E-08	5.19E-07
1489	495661.06	3858501.99	8.54E-04	8.72E-04	8.71E-04	2.96E-07	8.93E-07	5.17E-07	5.27E-07	4.78E-07	2.14E-07	2.18E-07	9.87E-09	2.39E-07	5.26E-08	7.16E-08	1.14E-07	1.96E-08	1.44E-08	5.20E-07
1490	494311.06	3858551.99	1.09E-03	1.11E-03	1.11E-03	3.77E-07	1.14E-06	6.59E-07	6.73E-07	6.10E-07	2.73E-07	2.78E-07	1.26E-08	3.04E-07	6.71E-08	9.13E-08	1.45E-07	2.50E-08	1.83E-08	6.63E-07
1491	494361.06	3858551.99	1.10E-03	1.12E-03	1.12E-03	3.79E-07	1.15E-06	6.63E-07	6.77E-07	6.14E-07	2.74E-07	2.80E-07	1.27E-08	3.06E-07	6.75E-08	9.19E-08	1.46E-07	2.52E-08	1.84E-08	6.68E-07
1492	494411.06	3858551.99	1.11E-03	1.13E-03	1.13E-03	3.84E-07	1.16E-06	6.71E-07	6.84E-07	6.20E-07	2.77E-07	2.83E-07	1.28E-08	3.10E-07	6.83E-08	9.29E-08	1.47E-07	2.55E-08	1.87E-08	6.75E-07
1493	494461.06	3858551.99	1.11E-03	1.13E-03	1.13E-03	3.83E-07	1.16E-06	6.70E-07	6.84E-07	6.20E-07	2.77E-07	2.82E-07	1.28E-08	3.09E-07	6.82E-08	9.28E-08	1.47E-07	2.54E-08	1.86E-08	6.74E-07
1494	494511.06	3858551.99	1.10E-03	1.12E-03	1.12E-03	3.81E-07	1.15E-06	6.66E-07	6.80E-07	6.16E-07	2.76E-07	2.81E-07	1.27E-08	3.08E-07	6.79E-08	9.23E-08	1.46E-07	2.53E-08	1.85E-08	6.71E-07
1495	494561.06	3858551.99	1.10E-03	1.12E-03	1.12E-03	3.80E-07	1.15E-06	6.64E-07	6.77E-07	6.14E-07	2.75E-07	2.80E-07	1.27E-08	3.06E-07	6.76E-08	9.20E-08	1.46E-07	2.52E-08	1.85E-08	6.68E-07
1496	494611.06	3858551.99	1.09E-03	1.11E-03	1.11E-03	3.77E-07	1.14E-06	6.59E-07	6.73E-07	6.10E-07	2.73E-07	2.78E-07	1.26E-08	3.04E-07	6.71E-08	9.13E-08	1.45E-07	2.50E-08	1.83E-08	6.63E-07
1497	494661.06	3858551.99	1.08E-03	1.10E-03	1.10E-03	3.75E-07	1.13E-06	6.55E-07	6.68E-07	6.06E-07	2.71E-07	2.76E-07	1.25E-08	3.02E-07	6.67E-08	9.08E-08	1.44E-07	2.49E-08	1.82E-08	6.59E-07
1498	494711.06	3858551.99	1.07E-03	1.09E-03	1.09E-03	3.70E-07	1.12E-06	6.47E-07	6.60E-07	5.98E-07	2.68E-07	2.73E-07	1.24E-08	2.98E-07	6.59E-08	8.96E-08	1.42E-07	2.46E-08	1.80E-08	6.51E-07
1499	494761.06	3858551.99	1.06E-03	1.08E-03	1.08E-03	3.65E-07	1.10E-06	6.39E-07	6.52E-07	5.91E-07	2.64E-07	2.69E-07	1.22E-08	2.95E-07	6.50E-08	8.85E-08	1.40E-07	2.42E-08	1.78E-08	6.43E-07
1500	494811.06	3858551.99	1.05E-03	1.07E-03	1.07E-03	3.62E-07	1.09E-06	6.32E-07	6.45E-07	5.85E-07	2.62E-07	2.67E-07	1.21E-08	2.92E-07	6.44E-08	8.76E-08	1.39E-07	2.40E-08	1.76E-08	6.37E-07
1501	494861.06	3858551.99	1.03E-03	1.05E-03	1.05E-03	3.57E-07	1.08E-06	6.24E-07	6.37E-07	5.77E-07	2.58E-07	2.63E-07	1.19E-08	2.88E-07	6.35E-08	8.65E-08	1.37E-07	2.37E-08	1.74E-08	6.28E-07
1502	494911.06	3858551.99	1.02E-03	1.04E-03	1.03E-03	3.51E-07	1.06E-06	6.14E-07	6.27E-07	5.68E-07	2.54E-07	2.59E-07	1.17E-08	2.84E-07	6.26E-08	8.51E-08	1.35E-07	2.33E-08	1.71E-08	6.18E-07
1503	494961.06	3858551.99	1.00E-03	1.02E-03	1.02E-03	3.47E-07	1.05E-06	6.07E-07	6.19E-07	5.61E-07	2.51E-07	2.56E-07	1.16E-08	2.80E-07	6.18E-08	8.41E-08	1.33E-07	2.30E-08	1.69E-08	6.11E-07
1504	495011.06	3858551.99	9.87E-04	1.01E-03	1.01E-03	3.42E-07	1.03E-06	5.97E-07	6.09E-07	5.52E-07	2.47E-07	2.52E-07	1.14E-08	2.75E-07	6.08E-08	8.27E-08	1.31E-07	2.27E-08	1.66E-08	6.01E-07
1505	495061.06	3858551.99	9.77E-04	9.96E-04	9.95E-04	3.38E-07	1.02E-06	5.91E-07	6.03E-07	5.47E-07	2.44E-07	2.49E-07	1.13E-08	2.73E-07	6.02E-08	8.19E-08	1.30E-07	2.24E-08	1.64E-08	5.95E-07
1506	495111.06	3858551.99	9.57E-04	9.76E-04	9.75E-04	3.31E-07	1.00E-06	5.79E-07	5.91E-07	5.35E-07	2.39E-07	2.44E-07	1.11E-08	2.67E-07	5.89E-08	8.02E-08	1.27E-07	2.20E-08	1.61E-08	5.83E-07
1507	495161.06	3858551.99	9.44E-04	9.63E-04	9.62E-04	3.27E-07	9.87E-07	5.71E-07	5.83E-07	5.28E-07	2.36E-07	2.41E-07	1.09E-08	2.64E-07	5.82E-08	7.91E-08	1.26E-07	2.17E-08	1.59E-08	5.75E-07
1508	495211.06	3858551.99	9.33E-04	9.52E-04	9.51E-04	3.23E-07	9.75E-07	5.64E-07	5.76E-07	5.22E-07	2.33E-07	2.38E-07	1.08E-08	2.60E-07	5.75E-08	7.82E-08	1.24E-07	2.14E-08	1.57E-08	5.68E-07
1509	495261.06	3858551.99	9.24E-04	9.43E-04	9.42E-04	3.20E-07	9.66E-07	5.59E-07	5.71E-07	5.17E-07	2.31E-07	2.36E-07	1.07E-08	2.58E-07	5.70E-08	7.75E-08	1.23E-07	2.12E-08	1.56E-08	5.63E-07
1510	495311.06	3858551.99	9.20E-04	9.39E-04	9.38E-04	3.19E-07	9.62E-07	5.57E-07	5.68E-07	5.15E-07	2.30E-07	2.35E-07	1.06E-08	2.57E-07	5.67E-08	7.71E-08	1.22E-07	2.11E-08	1.55E-08	5.60E-07
1511	495361.06	3858551.99	9.15E-04	9.34E-04	9.33E-04	3.17E-07	9.56E-07	5.54E-07	5.65E-07	5.12E-07	2.29E-07	2.33E-07	1.06E-08	2.55E-07	5.64E-08	7.67E-08	1.22E-07	2.10E-08	1.54E-08	5.57E-07
1512	495411.06	3858551.99	9.12E-04	9.31E-04	9.30E-04	3.16E-07	9.54E-07	5.52E-07	5.63E-07	5.11E-07	2.28E-07	2.33E-07	1.05E-08	2.55E-07	5.62E-08	7.65E-08	1.21E-07	2.10E-08	1.53E-08	5.56E-07
1513	495461.06	3858551.99	9.08E-04	9.26E-04	9.25E-04	3.14E-07	9.49E-07	5.49E-07	5.61E-07	5.08E-07	2.27E-07	2.32E-07	1.05E-08	2.53E-07	5.59E-08	7.61E-08	1.21E-07	2.09E-08	1.53E-08	5.53E-07
1514	495511.06	3858551.99	9.05E-04	9.24E-04	9.23E-04	3.13E-07	9.46E-07	5.48E-07	5.59E-07	5.07E-07	2.27E-07	2.31E-07	1.05E-08	2.53E-07	5.58E-08	7.59E-08	1.20E-07	2.08E-08	1.52E-08	5.51E-07
1515	495561.06	3858551.99	9.00E-04	9.19E-04	9.18E-04	3.12E-07	9.41E-07	5.45E-07	5.56E-07	5.04E-07	2.25E-07	2.30E-07	1.04E-08	2.51E-07	5.55E-08	7.55E-08	1.20E-07	2.07E-08	1.52E-08	5.48E-07
1516	495611.06	3858551.99	8.95E-04	9.13E-04	9.12E-04	3.10E-07	9.35E-07	5.41E-07	5.53E-07	5.01E-07	2.24E-07	2.28E-07	1.03E-08	2.50E-07	5.51E-08	7.50E-08	1.19E-07	2.06E-08	1.51E-08	5.45E-07
1517	495661.06	3858551.99	8.88E-04	9.07E-04	9.05E-04	3.08E-07	9.29E-07	5.38E-07	5.49E-07	4.97E-07	2.22E-07	2.27E-07	1.03E-08	2.48E-07	5.47E-08	7.45E-08	1.18E-07	2.04E-08	1.49E-08	5.41E-07
1518	494311.06	3858601.99	1.09E-03	1.11E-03	1.11E-03	3.78E-07	1.14E-06	6.61E-07	6.74E-07	6.11E-07	2.73E-07	2.79E-07	1.26E-08	3.05E-07	6.73E-08	9.16E-08	1.45E-07	2.51E-08	1.84E-08	6.65E-07
1519	494361.06	3858601.99	1.13E-03	1.15E-03	1.15E-03	3.91E-07	1.18E-06	6.84E-07	6.98E-07	6.33E-07	2.83E-07	2.88E-07	1.31E-08	3.16E-07	6.97E-08	9.48E-08	1.50E-07	2.60E-08	1.90E-08	6.89E-07
1520	494411.06	3858601.99	1.17E-03	1.19E-03	1.19E-03	4.05E-07	1.22E-06	7.07E-07	7.22E-07	6.54E-07	2.93E-07	2.98E-07	1.35E-08	3.26E-07	7.20E-08	9.80E-08	1.55E-07	2.69E-08	1.97E-08	7.12E-07
1521	494461.06	3858601.99	1.17E-03	1.19E-03	1.19E-03	4.04E-07	1.22E-06	7.06E-07	7.21E-07	6.53E-07	2.92E-07	2.98E-07	1.35E-08	3.26E-07	7.19E-08	9.78E-08	1.55E-07	2.68E-08	1.96E-08	7.11E-07
1522	494511.06	3858601.99	1.15E-03	1.18E-03	1.18E-03	3.99E-07	1.21E-06	6.98E-07	7.12E-07	6.45E-07	2.89E-07	2.94E-07	1.33E-08	3.22E-07	7.10E-08	9.67E-08	1.53E-07	2.65E-08	1.94E-08	7.02E-07
1523	494561.06	3858601.99	1.16E-03	1.18E-03	1.18E-03	4.01E-07	1.21E-06	7.00E-07	7.15E-07	6.48E-07	2.90E-07	2.95E-07	1.34E-08	3.23E-07	7.13E-08	9.70E-08	1.54E-07	2.66E-08	1.95E-08	7.05E-07
1524	494611.06	3858601.99	1.15E-03	1.17E-03	1.17E-03	3.97E-07	1.20E-06	6.93E-07	7.08E-07	6.41E-07	2.87E-07	2.92E-07	1.32E-08	3.20E-07	7.06E-08	9.61E-08	1.52E-07	2.63E-08	1.93E-08	6.98E-07
1525	494661.06	3858601.99	1.14E-03	1.16E-03	1.16E-03	3.94E-07	1.19E-06	6.88E-07	7.02E-07	6.37E-07	2.85E-07	2.90E-07	1.31E-08	3.18E-07	7.01E-08	9.53E-08	1.51E-07	2.61E-08	1.91E-08	6.93E-07
1526	494711.06	3858601.99	1.12E-03	1.15E-03	1.15E-03	3.89E-07	1.17E-06	6.80E-07	6.94E-07	6.29E-07	2.81E-07	2.87E-07	1.30E-08	3.14E-07	6.92E-08	9.42E-08	1.49E-07	2.58E-08	1.89E-08	6.84E-07
1527	494761.06	3858601.99	1.11E-03	1.13E-03	1.13E-03	3.84E-07	1.16E-06	6.72E-07	6.86E-07	6.21E-07	2.78E-07	2.83E-07	1.28E-08	3.10E-07	6.84E-08	9.31E-08	1.48E-07	2.55E-08	1.87E-08	6.76E-07
1528	494811.06	3858601.99	1.09E-03	1.11E-03	1.11E-03	3.77E-07	1.14E-06	6.59E-07	6.73E-07	6.10E-07	2.73E-07	2.78E-07	1.26E-08	3.04E-07	6.71E-08	9.13E-08	1.45E-07	2.50E-08	1.83E-08	6.64E-07
1529	494861.06	3858601.99	1.08E-03	1.10E-03	1.10E-03	3.73E-07	1.13E-06	6.53E-07	6.66E-07	6.04E-07	2.70E-07	2.75E-07	1.25E-08	3.01E-07	6.65E-08	9.04E-08	1.43E-07	2.48E-08	1.82E-08	6.57E-07
1530	494911.06	3858601.99	1.06E-03	1.08E-03	1.08E-03	3.67E-07	1.11E-06	6.41E-07	6.54E-07	5.93E-07	2.65E-07	2.70E-07	1.22E-08	2.96E-07	6.53E-08	8.88E-08	1.41E-07	2.43E-08	1.78E-08	6.45E-07
1531	494961.06	3858601.99	1.05E-03	1.07E-03	1.07E-03	3.62E-07	1.09E-06	6.33E-07	6.46E-07	5.85E-07	2.62E-07	2.67E-07	1.21E-08	2.92E-07	6.44E-08	8.77E-08	1.39E-07	2.40E-08	1.76E-08	6.37E-07
1532	495011.06	3858601.99	1.03E-03	1.05E-03	1.05E-03	3.57E-07	1.08E-06	6.24E-07	6.37E-07	5.77E-07	2.58E-07	2.63E-07	1.19E-08	2.88E-07	6.36E-08	8.65E-08	1.37E-07	2.37E-08	1.74E-08	6.28E-07

1533	495061.06	3858601.99	1.02E-03	1.04E-03	1.04E-03	3.52E-07	1.06E-06	6.15E-07	6.28E-07	5.69E-07	2.54E-07	2.59E-07	1.18E-08	2.84E-07	6.26E-08	8.52E-08	1.35E-07	2.33E-08	1.71E-08	6.19E-07
1534	495111.06	3858601.99	9.95E-04	1.02E-03	1.01E-03	3.44E-07	1.04E-06	6.02E-07	6.14E-07	5.57E-07	2.49E-07	2.54E-07	1.15E-08	2.78E-07	6.13E-08	8.34E-08	1.32E-07	2.28E-08	1.67E-08	6.06E-07
1535	495161.06	3858601.99	9.83E-04	1.00E-03	1.00E-03	3.40E-07	1.03E-06	5.95E-07	6.07E-07	5.50E-07	2.46E-07	2.51E-07	1.14E-08	2.74E-07	6.05E-08	8.24E-08	1.31E-07	2.26E-08	1.65E-08	5.98E-07
1536	495211.06	3858601.99	9.75E-04	9.95E-04	9.93E-04	3.37E-07	1.02E-06	5.90E-07	6.02E-07	5.46E-07	2.44E-07	2.49E-07	1.13E-08	2.72E-07	6.01E-08	8.17E-08	1.30E-07	2.24E-08	1.64E-08	5.94E-07
1537	495261.06	3858601.99	9.66E-04	9.85E-04	9.84E-04	3.34E-07	1.01E-06	5.84E-07	5.96E-07	5.40E-07	2.42E-07	2.46E-07	1.12E-08	2.70E-07	5.95E-08	8.09E-08	1.28E-07	2.22E-08	1.62E-08	5.88E-07
1538	495311.06	3858601.99	9.59E-04	9.78E-04	9.77E-04	3.32E-07	1.00E-06	5.80E-07	5.92E-07	5.37E-07	2.40E-07	2.45E-07	1.11E-08	2.68E-07	5.91E-08	8.04E-08	1.28E-07	2.20E-08	1.61E-08	5.84E-07
1539	495361.06	3858601.99	9.54E-04	9.74E-04	9.73E-04	3.30E-07	9.98E-07	5.77E-07	5.89E-07	5.34E-07	2.39E-07	2.43E-07	1.10E-08	2.66E-07	5.88E-08	8.00E-08	1.27E-07	2.19E-08	1.61E-08	5.81E-07
1540	495411.06	3858601.99	9.50E-04	9.70E-04	9.69E-04	3.29E-07	9.93E-07	5.75E-07	5.87E-07	5.32E-07	2.38E-07	2.42E-07	1.10E-08	2.65E-07	5.86E-08	7.97E-08	1.26E-07	2.18E-08	1.60E-08	5.79E-07
1541	495461.06	3858601.99	9.47E-04	9.66E-04	9.65E-04	3.28E-07	9.90E-07	5.73E-07	5.85E-07	5.30E-07	2.37E-07	2.42E-07	1.09E-08	2.64E-07	5.83E-08	7.94E-08	1.26E-07	2.17E-08	1.59E-08	5.77E-07
1542	495511.06	3858601.99	9.39E-04	9.58E-04	9.57E-04	3.25E-07	9.82E-07	5.68E-07	5.80E-07	5.26E-07	2.35E-07	2.40E-07	1.09E-08	2.62E-07	5.79E-08	7.87E-08	1.25E-07	2.16E-08	1.58E-08	5.72E-07
1543	495561.06	3858601.99	9.37E-04	9.56E-04	9.55E-04	3.24E-07	9.79E-07	5.67E-07	5.79E-07	5.24E-07	2.35E-07	2.39E-07	1.08E-08	2.62E-07	5.77E-08	7.85E-08	1.25E-07	2.15E-08	1.58E-08	5.71E-07
1544	495611.06	3858601.99	9.28E-04	9.47E-04	9.46E-04	3.21E-07	9.70E-07	5.62E-07	5.73E-07	5.20E-07	2.32E-07	2.37E-07	1.07E-08	2.59E-07	5.72E-08	7.78E-08	1.23E-07	2.13E-08	1.56E-08	5.65E-07
1545	495661.06	3858601.99	9.25E-04	9.44E-04	9.43E-04	3.20E-07	9.67E-07	5.60E-07	5.71E-07	5.18E-07	2.31E-07	2.36E-07	1.07E-08	2.58E-07	5.70E-08	7.75E-08	1.23E-07	2.12E-08	1.56E-08	5.63E-07
1546	494311.06	3858651.99	1.13E-03	1.15E-03	1.15E-03	3.90E-07	1.18E-06	6.81E-07	6.95E-07	6.30E-07	2.82E-07	2.87E-07	1.30E-08	3.14E-07	6.94E-08	9.44E-08	1.50E-07	2.59E-08	1.89E-08	6.85E-07
1547	494361.06	3858651.99	1.16E-03	1.19E-03	1.19E-03	4.03E-07	1.22E-06	7.04E-07	7.18E-07	6.51E-07	2.91E-07	2.97E-07	1.34E-08	3.25E-07	7.17E-08	9.75E-08	1.55E-07	2.67E-08	1.96E-08	7.08E-07
1548	494411.06	3858651.99	1.21E-03	1.24E-03	1.24E-03	4.20E-07	1.27E-06	7.35E-07	7.50E-07	6.80E-07	3.04E-07	3.10E-07	1.40E-08	3.39E-07	7.48E-08	1.02E-07	1.61E-07	2.79E-08	2.04E-08	7.40E-07
1549	494461.06	3858651.99	1.23E-03	1.25E-03	1.25E-03	4.25E-07	1.28E-06	7.42E-07	7.57E-07	6.86E-07	3.07E-07	3.13E-07	1.42E-08	3.42E-07	7.56E-08	1.03E-07	1.63E-07	2.82E-08	2.06E-08	7.47E-07
1550	494511.06	3858651.99	1.22E-03	1.24E-03	1.24E-03	4.22E-07	1.27E-06	7.38E-07	7.53E-07	6.82E-07	3.05E-07	3.11E-07	1.41E-08	3.40E-07	7.51E-08	1.02E-07	1.62E-07	2.80E-08	2.05E-08	7.42E-07
1551	494561.06	3858651.99	1.21E-03	1.24E-03	1.24E-03	4.20E-07	1.27E-06	7.35E-07	7.50E-07	6.80E-07	3.04E-07	3.10E-07	1.40E-08	3.39E-07	7.48E-08	1.02E-07	1.61E-07	2.79E-08	2.04E-08	7.40E-07
1552	494611.06	3858651.99	1.21E-03	1.23E-03	1.23E-03	4.18E-07	1.26E-06	7.30E-07	7.45E-07	6.76E-07	3.02E-07	3.08E-07	1.40E-08	3.37E-07	7.44E-08	1.01E-07	1.61E-07	2.77E-08	2.03E-08	7.35E-07
1553	494661.06	3858651.99	1.19E-03	1.22E-03	1.22E-03	4.14E-07	1.25E-06	7.23E-07	7.38E-07	6.69E-07	2.99E-07	3.05E-07	1.38E-08	3.34E-07	7.36E-08	1.00E-07	1.59E-07	2.74E-08	2.01E-08	7.28E-07
1554	494711.06	3858651.99	1.18E-03	1.20E-03	1.20E-03	4.08E-07	1.23E-06	7.13E-07	7.28E-07	6.60E-07	2.95E-07	3.01E-07	1.36E-08	3.29E-07	7.26E-08	9.88E-08	1.57E-07	2.71E-08	1.98E-08	7.18E-07
1555	494761.06	3858651.99	1.17E-03	1.19E-03	1.19E-03	4.03E-07	1.22E-06	7.05E-07	7.19E-07	6.52E-07	2.92E-07	2.97E-07	1.35E-08	3.25E-07	7.18E-08	9.77E-08	1.55E-07	2.68E-08	1.96E-08	7.10E-07
1556	494811.06	3858651.99	1.15E-03	1.17E-03	1.17E-03	3.97E-07	1.20E-06	6.93E-07	7.07E-07	6.41E-07	2.87E-07	2.92E-07	1.32E-08	3.20E-07	7.06E-08	9.60E-08	1.52E-07	2.63E-08	1.93E-08	6.98E-07
1557	494861.06	3858651.99	1.13E-03	1.15E-03	1.15E-03	3.90E-07	1.18E-06	6.82E-07	6.96E-07	6.31E-07	2.82E-07	2.88E-07	1.30E-08	3.15E-07	6.95E-08	9.45E-08	1.50E-07	2.59E-08	1.90E-08	6.87E-07
1558	494911.06	3858651.99	1.11E-03	1.13E-03	1.13E-03	3.84E-07	1.16E-06	6.70E-07	6.84E-07	6.20E-07	2.77E-07	2.83E-07	1.28E-08	3.09E-07	6.83E-08	9.29E-08	1.47E-07	2.54E-08	1.86E-08	6.75E-07
1559	494961.06	3858651.99	1.09E-03	1.11E-03	1.11E-03	3.77E-07	1.14E-06	6.60E-07	6.73E-07	6.10E-07	2.73E-07	2.78E-07	1.26E-08	3.04E-07	6.72E-08	9.14E-08	1.45E-07	2.50E-08	1.83E-08	6.64E-07
1560	495011.06	3858651.99	1.08E-03	1.10E-03	1.10E-03	3.72E-07	1.12E-06	6.51E-07	6.64E-07	6.02E-07	2.69E-07	2.74E-07	1.24E-08	3.00E-07	6.63E-08	9.02E-08	1.43E-07	2.47E-08	1.81E-08	6.55E-07
1561	495061.06	3858651.99	1.06E-03	1.08E-03	1.08E-03	3.67E-07	1.11E-06	6.41E-07	6.54E-07	5.93E-07	2.65E-07	2.70E-07	1.22E-08	2.96E-07	6.53E-08	8.88E-08	1.41E-07	2.43E-08	1.78E-08	6.45E-07
1562	495111.06	3858651.99	1.04E-03	1.06E-03	1.06E-03	3.60E-07	1.09E-06	6.30E-07	6.43E-07	5.83E-07	2.61E-07	2.66E-07	1.20E-08	2.91E-07	6.41E-08	8.73E-08	1.38E-07	2.39E-08	1.75E-08	6.34E-07
1563	495161.06	3858651.99	1.03E-03	1.05E-03	1.05E-03	3.56E-07	1.08E-06	6.23E-07	6.35E-07	5.76E-07	2.58E-07	2.62E-07	1.19E-08	2.87E-07	6.34E-08	8.63E-08	1.37E-07	2.36E-08	1.73E-08	6.27E-07
1564	495211.06	3858651.99	1.01E-03	1.04E-03	1.03E-03	3.51E-07	1.06E-06	6.14E-07	6.26E-07	5.68E-07	2.54E-07	2.59E-07	1.17E-08	2.83E-07	6.25E-08	8.50E-08	1.35E-07	2.33E-08	1.71E-08	6.18E-07
1565	495261.06	3858651.99	1.01E-03	1.03E-03	1.03E-03	3.50E-07	1.06E-06	6.11E-07	6.23E-07	5.65E-07	2.53E-07	2.58E-07	1.17E-08	2.82E-07	6.22E-08	8.47E-08	1.34E-07	2.32E-08	1.70E-08	6.15E-07
1566	495311.06	3858651.99	1.00E-03	1.02E-03	1.02E-03	3.47E-07	1.05E-06	6.06E-07	6.19E-07	5.61E-07	2.51E-07	2.56E-07	1.16E-08	2.80E-07	6.17E-08	8.40E-08	1.33E-07	2.30E-08	1.69E-08	6.10E-07
1567	495361.06	3858651.99	9.97E-04	1.02E-03	1.02E-03	3.45E-07	1.04E-06	6.03E-07	6.16E-07	5.58E-07	2.50E-07	2.54E-07	1.15E-08	2.78E-07	6.14E-08	8.36E-08	1.33E-07	2.29E-08	1.68E-08	6.07E-07
1568	495411.06	3858651.99	9.93E-04	1.01E-03	1.01E-03	3.44E-07	1.04E-06	6.01E-07	6.13E-07	5.56E-07	2.49E-07	2.53E-07	1.15E-08	2.77E-07	6.12E-08	8.33E-08	1.32E-07	2.28E-08	1.67E-08	6.05E-07
1569	495461.06	3858651.99	9.92E-04	1.01E-03	1.01E-03	3.43E-07	1.04E-06	6.00E-07	6.12E-07	5.55E-07	2.48E-07	2.53E-07	1.15E-08	2.77E-07	6.11E-08	8.31E-08	1.32E-07	2.28E-08	1.67E-08	6.04E-07
1570	495511.06	3858651.99	9.82E-04	1.00E-03	1.00E-03	3.40E-07	1.03E-06	5.94E-07	6.07E-07	5.50E-07	2.46E-07	2.51E-07	1.14E-08	2.74E-07	6.05E-08	8.24E-08	1.31E-07	2.26E-08	1.65E-08	5.98E-07
1571	495561.06	3858651.99	9.75E-04	9.95E-04	9.94E-04	3.38E-07	1.02E-06	5.90E-07	6.02E-07	5.46E-07	2.44E-07	2.49E-07	1.13E-08	2.72E-07	6.01E-08	8.18E-08	1.30E-07	2.24E-08	1.64E-08	5.94E-07
1572	495611.06	3858651.99	9.65E-04	9.84E-04	9.83E-04	3.34E-07	1.01E-06	5.84E-07	5.96E-07	5.40E-07	2.41E-07	2.46E-07	1.12E-08	2.69E-07	5.94E-08	8.09E-08	1.28E-07	2.22E-08	1.62E-08	5.88E-07
1573	495661.06	3858651.99	9.61E-04	9.81E-04	9.79E-04	3.33E-07	1.00E-06	5.81E-07	5.93E-07	5.38E-07	2.40E-07	2.45E-07	1.11E-08	2.68E-07	5.92E-08	8.06E-08	1.28E-07	2.21E-08	1.62E-08	5.85E-07
1574	494311.06	3858701.99	1.18E-03	1.21E-03	1.20E-03	4.09E-07	1.23E-06	7.15E-07	7.29E-07	6.61E-07	2.96E-07	3.01E-07	1.37E-08	3.30E-07	7.28E-08	9.90E-08	1.57E-07	2.71E-08	1.99E-08	7.19E-07
1575	494361.06	3858701.99	1.24E-03	1.26E-03	1.26E-03	4.28E-07	1.29E-06	7.49E-07	7.64E-07	6.93E-07	3.10E-07	3.16E-07	1.43E-08	3.46E-07	7.63E-08	1.04E-07	1.65E-07	2.84E-08	2.08E-08	7.54E-07
1576	494411.06	3858701.99	1.27E-03	1.30E-03	1.30E-03	4.41E-07	1.33E-06	7.71E-07	7.87E-07	7.13E-07	3.19E-07	3.25E-07	1.47E-08	3.56E-07	7.85E-08	1.07E-07	1.70E-07	2.93E-08	2.14E-08	7.76E-07
1577	494461.06	3858701.99	1.27E-03	1.30E-03	1.30E-03	4.41E-07	1.33E-06	7.71E-07	7.87E-07	7.13E-07	3.19E-07	3.25E-07	1.47E-08	3.56E-07	7.85E-08	1.07E-07	1.69E-07	2.93E-08	2.14E-08	7.76E-07
1578	494511.06	3858701.99	1.28E-03	1.31E-03	1.31E-03	4.43E-07	1.34E-06	7.75E-07	7.91E-07	7.17E-07	3.21E-07	3.27E-07	1.48E-08	3.58E-07	7.89E-08	1.07E-07	1.70E-07	2.94E-08	2.15E-08	7.80E-07
1579	494561.06	3858701.99	1.27E-03	1.30E-03	1.30E-03	4.41E-07	1.33E-06	7.70E-07	7.86E-07	7.12E-07	3.19E-07	3.25E-07	1.47E-08	3.55E-07	7.84E-08	1.07E-07	1.69E-07	2.92E-08	2.14E-08	7.75E-07
1580	494611.06	3858701.99	1.25E-03	1.28E-03	1.28E-03	4.33E-07	1.31E-06	7.57E-07	7.73E-07	7.01E-07	3.13E-07	3.19E-07	1.45E-08	3.50E-07	7.71E-08	1.05E-07	1.66E-07	2.87E-08	2.11E-08	7.62E-07
1581	494661.06	3858701.99	1.25E-03	1.28E-03	1.27E-03	4.33E-07	1.31E-06	7.56E-07	7.72E-07	6.99E-07	3.13E-07	3.19E-07	1.44E-08	3.49E-07	7.70E-08	1.05E-07	1.66E-07	2.87E-08	2.10E-08	7.61E-07
1582	494711.06	3858701.99	1.20E-03	1.23E-03	1.23E-03	4.17E-07	1.26E-06	7.29E-07	7.44E-07	6.74E-07	3.02E-07	3.07E-07	1.39E-08	3.36E-07	7.42E-08	1.01E-07	1.60E-07	2.77E-08	2.03E-08	7.34E-07
1583	494761.06	3858701.99	1.21E-03	1.24E-03	1.24E-03	4.20E-07	1.27E-06	7.34E-07	7.49E-07	6.79E-07	3.04E-07	3.09E-07	1.40E-08	3.39E-07	7.47E-08	1.02E-07	1.61E-07	2.79E-08	2.04E-08	7.39E-07
1584	494811.06	3858701.99	1.19E-03	1.22E-03	1.22E-03	4.13E-07	1.25E-06	7.21E-07	7.36E-07	6.67E-07	2.98E-07	3.04E-07	1.38E-08	3.33E-07	7.35E-08	9.99E-08	1.59E-07	2.74E-08	2.01E-08	7.26E-07
1585	494861.06	3858701.99	1.18E-03	1.20E-03	1.20E-03	4.07E-07	1.23E-06	7.11E-07	7.26E-07	6.58E-07	2.94E-07	3.00E-07	1.36E-08	3.28E-07	7.24E-08	9.85E-08	1.56E-07	2.70E-08	1.98E-08	7.16E-07
1586	494911.06	3858701.99	1.16E-03	1.18E-03	1.18E-03	4.02E-07	1.21E-06	7.02E-07	7.17E-07	6.50E-07	2.90E-07	2.96E-07	1.34E-08	3.24E-07	7.15E-08	9.73E-08	1.54E-07	2.67E-08	1.95E-08	7.07E-07
1587	494961.06	3858701.99	1.13E-03	1.16E-03	1.15E-03	3.92E-07	1.18E-06	6.85E-07	6.99E-07	6.34E-07	2.83E-07	2.89E-07	1.31E-08	3.16E-07	6.98E-08	9.49E-08	1.51E-07	2.60E-08	1.90E-08	6.89E-07
1588	495011.06	3858701.99	1.11E-03	1.14E-03	1.14E-03	3.86E-07	1.16E-06	6.74E-07	6.88E-07	6.24E-07	2.79E-07	2.84E-07	1.29E-08	3.11E-07	6.86E-08	9.34E-08	1.48E-07	2.56E-08	1.87E-08	6.78E-07
1589	495061.06	3858701.99	1.11E-03	1.13E-03	1.13E-03	3.83E-07	1.16E-06	6.69E-07	6.82E-07	6.19E-07	2.77E-07	2.82E-07	1.28E-08	3.09E-07	6.81E-08	9.27E-08	1.47E-07	2.54E-08	1.86E-08	6.73E-07

1590	495111.06	3858701.99	1.08E-03	1.11E-03	1.11E-03	3.75E-07	1.13E-06	6.56E-07	6.70E-07	6.07E-07	2.71E-07	2.77E-07	1.25E-08	3.03E-07	6.68E-08	9.09E-08	1.44E-07	2.49E-08	1.82E-08	6.60E-07
1591	495161.06	3858701.99	1.07E-03	1.10E-03	1.09E-03	3.71E-07	1.12E-06	6.49E-07	6.63E-07	6.01E-07	2.69E-07	2.74E-07	1.24E-08	3.00E-07	6.61E-08	9.00E-08	1.43E-07	2.46E-08	1.81E-08	6.54E-07
1592	495211.06	3858701.99	1.06E-03	1.08E-03	1.08E-03	3.66E-07	1.11E-06	6.40E-07	6.53E-07	5.92E-07	2.65E-07	2.70E-07	1.22E-08	2.95E-07	6.52E-08	8.87E-08	1.41E-07	2.43E-08	1.78E-08	6.44E-07
1593	495261.06	3858701.99	1.05E-03	1.08E-03	1.07E-03	3.65E-07	1.10E-06	6.38E-07	6.51E-07	5.90E-07	2.64E-07	2.69E-07	1.22E-08	2.94E-07	6.49E-08	8.83E-08	1.40E-07	2.42E-08	1.77E-08	6.42E-07
1594	495311.06	3858701.99	1.05E-03	1.07E-03	1.07E-03	3.63E-07	1.10E-06	6.35E-07	6.48E-07	5.87E-07	2.63E-07	2.68E-07	1.21E-08	2.93E-07	6.46E-08	8.79E-08	1.39E-07	2.41E-08	1.76E-08	6.39E-07
1595	495361.06	3858701.99	1.04E-03	1.06E-03	1.06E-03	3.61E-07	1.09E-06	6.31E-07	6.43E-07	5.83E-07	2.61E-07	2.66E-07	1.20E-08	2.91E-07	6.42E-08	8.74E-08	1.39E-07	2.39E-08	1.75E-08	6.35E-07
1596	495411.06	3858701.99	1.04E-03	1.06E-03	1.06E-03	3.60E-07	1.09E-06	6.29E-07	6.42E-07	5.82E-07	2.60E-07	2.65E-07	1.20E-08	2.90E-07	6.40E-08	8.71E-08	1.38E-07	2.39E-08	1.75E-08	6.33E-07
1597	495461.06	3858701.99	1.03E-03	1.05E-03	1.05E-03	3.58E-07	1.08E-06	6.25E-07	6.38E-07	5.79E-07	2.59E-07	2.64E-07	1.19E-08	2.89E-07	6.37E-08	8.67E-08	1.37E-07	2.37E-08	1.74E-08	6.30E-07
1598	495511.06	3858701.99	1.03E-03	1.05E-03	1.05E-03	3.55E-07	1.07E-06	6.21E-07	6.33E-07	5.74E-07	2.57E-07	2.62E-07	1.19E-08	2.86E-07	6.32E-08	8.60E-08	1.36E-07	2.36E-08	1.73E-08	6.25E-07
1599	495561.06	3858701.99	1.02E-03	1.04E-03	1.04E-03	3.52E-07	1.06E-06	6.15E-07	6.27E-07	5.69E-07	2.54E-07	2.59E-07	1.17E-08	2.84E-07	6.26E-08	8.52E-08	1.35E-07	2.33E-08	1.71E-08	6.19E-07
1600	495611.06	3858701.99	1.01E-03	1.03E-03	1.03E-03	3.48E-07	1.05E-06	6.09E-07	6.21E-07	5.63E-07	2.52E-07	2.57E-07	1.16E-08	2.81E-07	6.20E-08	8.44E-08	1.34E-07	2.31E-08	1.69E-08	6.13E-07
1601	495661.06	3858701.99	1.00E-03	1.02E-03	1.02E-03	3.46E-07	1.04E-06	6.05E-07	6.17E-07	5.60E-07	2.50E-07	2.55E-07	1.16E-08	2.79E-07	6.16E-08	8.38E-08	1.33E-07	2.30E-08	1.68E-08	6.09E-07
1602	494311.06	3858751.99	1.24E-03	1.26E-03	1.26E-03	4.29E-07	1.30E-06	7.50E-07	7.65E-07	6.94E-07	3.10E-07	3.16E-07	1.43E-08	3.46E-07	7.64E-08	1.04E-07	1.65E-07	2.85E-08	2.09E-08	7.55E-07
1603	494361.06	3858751.99	1.31E-03	1.34E-03	1.34E-03	4.54E-07	1.37E-06	7.94E-07	8.10E-07	7.34E-07	3.28E-07	3.35E-07	1.52E-08	3.66E-07	8.08E-08	1.10E-07	1.74E-07	3.01E-08	2.21E-08	7.99E-07
1604	494411.06	3858751.99	1.34E-03	1.37E-03	1.37E-03	4.64E-07	1.40E-06	8.11E-07	8.28E-07	7.51E-07	3.36E-07	3.42E-07	1.55E-08	3.74E-07	8.26E-08	1.12E-07	1.78E-07	3.08E-08	2.26E-08	8.17E-07
1605	494461.06	3858751.99	1.34E-03	1.37E-03	1.37E-03	4.64E-07	1.40E-06	8.11E-07	8.27E-07	7.50E-07	3.35E-07	3.42E-07	1.55E-08	3.74E-07	8.26E-08	1.12E-07	1.78E-07	3.08E-08	2.25E-08	8.16E-07
1606	494511.06	3858751.99	1.35E-03	1.38E-03	1.38E-03	4.67E-07	1.41E-06	8.17E-07	8.33E-07	7.55E-07	3.38E-07	3.44E-07	1.56E-08	3.77E-07	8.32E-08	1.13E-07	1.79E-07	3.10E-08	2.27E-08	8.22E-07
1607	494561.06	3858751.99	1.33E-03	1.36E-03	1.35E-03	4.60E-07	1.39E-06	8.04E-07	8.21E-07	7.44E-07	3.33E-07	3.39E-07	1.54E-08	3.71E-07	8.19E-08	1.11E-07	1.77E-07	3.05E-08	2.24E-08	8.09E-07
1608	494611.06	3858751.99	1.31E-03	1.34E-03	1.34E-03	4.54E-07	1.37E-06	7.94E-07	8.11E-07	7.35E-07	3.29E-07	3.35E-07	1.52E-08	3.67E-07	8.09E-08	1.10E-07	1.75E-07	3.02E-08	2.21E-08	7.99E-07
1609	494661.06	3858751.99	1.30E-03	1.32E-03	1.32E-03	4.49E-07	1.36E-06	7.85E-07	8.01E-07	7.26E-07	3.25E-07	3.31E-07	1.50E-08	3.62E-07	7.99E-08	1.09E-07	1.72E-07	2.98E-08	2.18E-08	7.90E-07
1610	494711.06	3858751.99	1.27E-03	1.30E-03	1.29E-03	4.40E-07	1.33E-06	7.68E-07	7.84E-07	7.11E-07	3.18E-07	3.24E-07	1.47E-08	3.55E-07	7.82E-08	1.06E-07	1.69E-07	2.92E-08	2.14E-08	7.73E-07
1611	494761.06	3858751.99	1.27E-03	1.29E-03	1.29E-03	4.39E-07	1.33E-06	7.67E-07	7.83E-07	7.10E-07	3.17E-07	3.24E-07	1.47E-08	3.54E-07	7.81E-08	1.06E-07	1.69E-07	2.91E-08	2.13E-08	7.72E-07
1612	494811.06	3858751.99	1.24E-03	1.27E-03	1.27E-03	4.31E-07	1.30E-06	7.53E-07	7.68E-07	6.96E-07	3.11E-07	3.17E-07	1.44E-08	3.47E-07	7.67E-08	1.04E-07	1.65E-07	2.86E-08	2.09E-08	7.58E-07
1613	494861.06	3858751.99	1.22E-03	1.25E-03	1.25E-03	4.23E-07	1.28E-06	7.40E-07	7.55E-07	6.84E-07	3.06E-07	3.12E-07	1.41E-08	3.41E-07	7.53E-08	1.03E-07	1.63E-07	2.81E-08	2.06E-08	7.45E-07
1614	494911.06	3858751.99	1.20E-03	1.22E-03	1.22E-03	4.15E-07	1.25E-06	7.26E-07	7.41E-07	6.71E-07	3.00E-07	3.06E-07	1.39E-08	3.35E-07	7.39E-08	1.01E-07	1.60E-07	2.76E-08	2.02E-08	7.31E-07
1615	494961.06	3858751.99	1.18E-03	1.21E-03	1.21E-03	4.09E-07	1.24E-06	7.15E-07	7.30E-07	6.62E-07	2.96E-07	3.02E-07	1.37E-08	3.30E-07	7.29E-08	9.91E-08	1.57E-07	2.72E-08	1.99E-08	7.20E-07
1616	495011.06	3858751.99	1.17E-03	1.19E-03	1.19E-03	4.05E-07	1.22E-06	7.08E-07	7.23E-07	6.55E-07	2.93E-07	2.99E-07	1.35E-08	3.27E-07	7.21E-08	9.81E-08	1.56E-07	2.69E-08	1.97E-08	7.13E-07
1617	495061.06	3858751.99	1.15E-03	1.18E-03	1.17E-03	3.99E-07	1.20E-06	6.97E-07	7.12E-07	6.45E-07	2.88E-07	2.94E-07	1.33E-08	3.22E-07	7.10E-08	9.66E-08	1.53E-07	2.65E-08	1.94E-08	7.02E-07
1618	495111.06	3858751.99	1.13E-03	1.16E-03	1.15E-03	3.92E-07	1.18E-06	6.85E-07	6.99E-07	6.34E-07	2.83E-07	2.89E-07	1.31E-08	3.16E-07	6.98E-08	9.49E-08	1.51E-07	2.60E-08	1.90E-08	6.89E-07
1619	495161.06	3858751.99	1.12E-03	1.14E-03	1.14E-03	3.88E-07	1.17E-06	6.78E-07	6.91E-07	6.27E-07	2.80E-07	2.86E-07	1.29E-08	3.13E-07	6.90E-08	9.39E-08	1.49E-07	2.57E-08	1.88E-08	6.82E-07
1620	495211.06	3858751.99	1.10E-03	1.13E-03	1.13E-03	3.82E-07	1.15E-06	6.68E-07	6.82E-07	6.18E-07	2.76E-07	2.82E-07	1.28E-08	3.08E-07	6.80E-08	9.26E-08	1.47E-07	2.54E-08	1.86E-08	6.72E-07
1621	495261.06	3858751.99	1.10E-03	1.12E-03	1.12E-03	3.80E-07	1.15E-06	6.64E-07	6.78E-07	6.15E-07	2.75E-07	2.80E-07	1.27E-08	3.07E-07	6.77E-08	9.21E-08	1.46E-07	2.52E-08	1.85E-08	6.69E-07
1622	495311.06	3858751.99	1.09E-03	1.12E-03	1.11E-03	3.79E-07	1.14E-06	6.62E-07	6.75E-07	6.12E-07	2.74E-07	2.79E-07	1.26E-08	3.05E-07	6.74E-08	9.17E-08	1.45E-07	2.51E-08	1.84E-08	6.66E-07
1623	495361.06	3858751.99	1.09E-03	1.11E-03	1.11E-03	3.76E-07	1.14E-06	6.57E-07	6.71E-07	6.08E-07	2.72E-07	2.77E-07	1.26E-08	3.03E-07	6.69E-08	9.10E-08	1.44E-07	2.49E-08	1.83E-08	6.61E-07
1624	495411.06	3858751.99	1.08E-03	1.11E-03	1.11E-03	3.75E-07	1.13E-06	6.56E-07	6.70E-07	6.07E-07	2.71E-07	2.77E-07	1.25E-08	3.03E-07	6.68E-08	9.09E-08	1.44E-07	2.49E-08	1.82E-08	6.60E-07
1625	495461.06	3858751.99	1.08E-03	1.10E-03	1.10E-03	3.73E-07	1.13E-06	6.52E-07	6.66E-07	6.03E-07	2.70E-07	2.75E-07	1.25E-08	3.01E-07	6.64E-08	9.04E-08	1.43E-07	2.48E-08	1.81E-08	6.57E-07
1626	495511.06	3858751.99	1.07E-03	1.09E-03	1.09E-03	3.70E-07	1.12E-06	6.47E-07	6.60E-07	5.98E-07	2.68E-07	2.73E-07	1.24E-08	2.99E-07	6.59E-08	8.96E-08	1.42E-07	2.46E-08	1.80E-08	6.51E-07
1627	495561.06	3858751.99	1.06E-03	1.08E-03	1.08E-03	3.67E-07	1.11E-06	6.41E-07	6.54E-07	5.93E-07	2.65E-07	2.70E-07	1.22E-08	2.96E-07	6.53E-08	8.88E-08	1.41E-07	2.43E-08	1.78E-08	6.45E-07
1628	495611.06	3858751.99	1.05E-03	1.07E-03	1.07E-03	3.63E-07	1.10E-06	6.35E-07	6.48E-07	5.87E-07	2.63E-07	2.68E-07	1.21E-08	2.93E-07	6.47E-08	8.80E-08	1.40E-07	2.41E-08	1.77E-08	6.39E-07
1629	495661.06	3858751.99	1.04E-03	1.06E-03	1.06E-03	3.60E-07	1.09E-06	6.30E-07	6.43E-07	5.83E-07	2.61E-07	2.66E-07	1.20E-08	2.91E-07	6.42E-08	8.73E-08	1.38E-07	2.39E-08	1.75E-08	6.34E-07
1630	494311.06	3858801.99	1.32E-03	1.34E-03	1.34E-03	4.55E-07	1.38E-06	7.96E-07	8.12E-07	7.36E-07	3.29E-07	3.36E-07	1.52E-08	3.67E-07	8.11E-08	1.10E-07	1.75E-07	3.02E-08	2.21E-08	8.01E-07
1631	494361.06	3858801.99	1.38E-03	1.41E-03	1.41E-03	4.79E-07	1.45E-06	8.37E-07	8.55E-07	7.75E-07	3.46E-07	3.53E-07	1.60E-08	3.86E-07	8.53E-08	1.16E-07	1.84E-07	3.18E-08	2.33E-08	8.43E-07
1632	494411.06	3858801.99	1.40E-03	1.43E-03	1.43E-03	4.84E-07	1.46E-06	8.47E-07	8.64E-07	7.83E-07	3.50E-07	3.57E-07	1.62E-08	3.91E-07	8.62E-08	1.17E-07	1.86E-07	3.21E-08	2.35E-08	8.52E-07
1633	494461.06	3858801.99	1.41E-03	1.43E-03	1.43E-03	4.87E-07	1.47E-06	8.51E-07	8.68E-07	7.87E-07	3.52E-07	3.59E-07	1.63E-08	3.93E-07	8.66E-08	1.18E-07	1.87E-07	3.23E-08	2.37E-08	8.56E-07
1634	494511.06	3858801.99	1.42E-03	1.45E-03	1.44E-03	4.91E-07	1.48E-06	8.58E-07	8.75E-07	7.93E-07	3.55E-07	3.62E-07	1.64E-08	3.96E-07	8.73E-08	1.19E-07	1.89E-07	3.26E-08	2.39E-08	8.63E-07
1635	494561.06	3858801.99	1.41E-03	1.44E-03	1.44E-03	4.88E-07	1.47E-06	8.53E-07	8.71E-07	7.89E-07	3.53E-07	3.60E-07	1.63E-08	3.94E-07	8.69E-08	1.18E-07	1.88E-07	3.24E-08	2.37E-08	8.59E-07
1636	494611.06	3858801.99	1.40E-03	1.43E-03	1.42E-03	4.84E-07	1.46E-06	8.45E-07	8.63E-07	7.82E-07	3.50E-07	3.56E-07	1.62E-08	3.90E-07	8.61E-08	1.17E-07	1.86E-07	3.21E-08	2.35E-08	8.51E-07
1637	494661.06	3858801.99	1.38E-03	1.40E-03	1.40E-03	4.76E-07	1.44E-06	8.32E-07	8.49E-07	7.70E-07	3.44E-07	3.51E-07	1.59E-08	3.84E-07	8.47E-08	1.15E-07	1.83E-07	3.16E-08	2.31E-08	8.38E-07
1638	494711.06	3858801.99	1.35E-03	1.38E-03	1.38E-03	4.67E-07	1.41E-06	8.17E-07	8.34E-07	7.56E-07	3.38E-07	3.44E-07	1.56E-08	3.77E-07	8.32E-08	1.13E-07	1.80E-07	3.10E-08	2.27E-08	8.22E-07
1639	494761.06	3858801.99	1.32E-03	1.35E-03	1.35E-03	4.57E-07	1.38E-06	7.99E-07	8.16E-07	7.40E-07	3.31E-07	3.37E-07	1.53E-08	3.69E-07	8.14E-08	1.11E-07	1.76E-07	3.03E-08	2.22E-08	8.05E-07
1640	494811.06	3858801.99	1.29E-03	1.32E-03	1.32E-03	4.47E-07	1.35E-06	7.82E-07	7.98E-07	7.23E-07	3.23E-07	3.30E-07	1.49E-08	3.61E-07	7.96E-08	1.08E-07	1.72E-07	2.97E-08	2.17E-08	7.87E-07
1641	494861.06	3858801.99	1.28E-03	1.30E-03	1.30E-03	4.41E-07	1.33E-06	7.72E-07	7.87E-07	7.14E-07	3.19E-07	3.25E-07	1.47E-08	3.56E-07	7.86E-08	1.07E-07	1.70E-07	2.93E-08	2.15E-08	7.77E-07
1642	494911.06	3858801.99	1.25E-03	1.28E-03	1.28E-03	4.33E-07	1.31E-06	7.57E-07	7.73E-07	7.00E-07	3.13E-07	3.19E-07	1.45E-08	3.49E-07	7.71E-08	1.05E-07	1.66E-07	2.87E-08	2.11E-08	7.62E-07
1643	494961.06	3858801.99	1.23E-03	1.26E-03	1.26E-03	4.27E-07	1.29E-06	7.46E-07	7.62E-07	6.90E-07	3.09E-07	3.15E-07	1.43E-08	3.44E-07	7.60E-08	1.03E-07	1.64E-07	2.83E-08	2.08E-08	7.51E-07
1644	495011.06	3858801.99	1.21E-03	1.24E-03	1.24E-03	4.20E-07	1.27E-06	7.35E-07	7.50E-07	6.80E-07	3.04E-07	3.10E-07	1.40E-08	3.39E-07	7.48E-08	1.02E-07	1.62E-07	2.79E-08	2.04E-08	7.40E-07
1645	495061.06	3858801.99	1.20E-03	1.23E-03	1.23E-03	4.16E-07	1.26E-06	7.27E-07	7.42E-07	6.73E-07	3.01E-07	3.07E-07	1.39E-08	3.36E-07	7.41E-08	1.01E-07	1.60E-07	2.76E-08	2.02E-08	7.32E-07
1646	495111.06	3858801.99	1.18E-03	1.20E-03	1.20E-03	4.08E-07	1.23E-06	7.13E-07	7.27E-07	6.59E-07	2.95E-07	3.01E-07	1.36E-08	3.29E-07	7.26E-08	9.88E-08	1.57E-07	2.71E-08	1.98E-08	7.17E-07

1647	495161.06	3858801.99	1.16E-03	1.18E-03	1.18E-03	4.02E-07	1.21E-06	7.02E-07	7.16E-07	6.49E-07	2.90E-07	2.96E-07	1.34E-08	3.24E-07	7.15E-08	9.73E-08	1.54E-07	2.67E-08	1.95E-08	7.07E-07
1648	495211.06	3858801.99	1.15E-03	1.17E-03	1.17E-03	3.98E-07	1.20E-06	6.96E-07	7.10E-07	6.44E-07	2.88E-07	2.93E-07	1.33E-08	3.21E-07	7.08E-08	9.64E-08	1.53E-07	2.64E-08	1.93E-08	7.00E-07
1649	495261.06	3858801.99	1.14E-03	1.17E-03	1.17E-03	3.96E-07	1.20E-06	6.92E-07	7.06E-07	6.40E-07	2.86E-07	2.92E-07	1.32E-08	3.19E-07	7.05E-08	9.59E-08	1.52E-07	2.63E-08	1.92E-08	6.97E-07
1650	495311.06	3858801.99	1.14E-03	1.16E-03	1.16E-03	3.94E-07	1.19E-06	6.89E-07	7.04E-07	6.38E-07	2.85E-07	2.91E-07	1.32E-08	3.18E-07	7.02E-08	9.55E-08	1.52E-07	2.62E-08	1.92E-08	6.94E-07
1651	495361.06	3858801.99	1.13E-03	1.16E-03	1.15E-03	3.92E-07	1.18E-06	6.85E-07	6.99E-07	6.34E-07	2.83E-07	2.89E-07	1.31E-08	3.16E-07	6.98E-08	9.49E-08	1.51E-07	2.60E-08	1.91E-08	6.90E-07
1652	495411.06	3858801.99	1.13E-03	1.16E-03	1.15E-03	3.92E-07	1.18E-06	6.85E-07	6.99E-07	6.34E-07	2.83E-07	2.89E-07	1.31E-08	3.16E-07	6.98E-08	9.49E-08	1.51E-07	2.60E-08	1.91E-08	6.90E-07
1653	495461.06	3858801.99	1.12E-03	1.15E-03	1.15E-03	3.89E-07	1.18E-06	6.80E-07	6.94E-07	6.29E-07	2.81E-07	2.87E-07	1.30E-08	3.14E-07	6.93E-08	9.43E-08	1.50E-07	2.58E-08	1.89E-08	6.85E-07
1654	495511.06	3858801.99	1.11E-03	1.14E-03	1.14E-03	3.86E-07	1.16E-06	6.74E-07	6.88E-07	6.23E-07	2.79E-07	2.84E-07	1.29E-08	3.11E-07	6.86E-08	9.34E-08	1.48E-07	2.56E-08	1.87E-08	6.78E-07
1655	495561.06	3858801.99	1.10E-03	1.13E-03	1.13E-03	3.82E-07	1.15E-06	6.68E-07	6.82E-07	6.18E-07	2.76E-07	2.82E-07	1.28E-08	3.08E-07	6.81E-08	9.26E-08	1.47E-07	2.54E-08	1.86E-08	6.73E-07
1656	495611.06	3858801.99	1.09E-03	1.11E-03	1.11E-03	3.78E-07	1.14E-06	6.61E-07	6.74E-07	6.11E-07	2.73E-07	2.79E-07	1.26E-08	3.05E-07	6.73E-08	9.16E-08	1.45E-07	2.51E-08	1.84E-08	6.65E-07
1657	495661.06	3858801.99	1.08E-03	1.11E-03	1.11E-03	3.76E-07	1.13E-06	6.56E-07	6.70E-07	6.07E-07	2.72E-07	2.77E-07	1.25E-08	3.03E-07	6.68E-08	9.09E-08	1.44E-07	2.49E-08	1.83E-08	6.61E-07
1658	494311.06	3858851.99	1.44E-03	1.47E-03	1.47E-03	5.00E-07	1.51E-06	8.73E-07	8.91E-07	8.08E-07	3.61E-07	3.68E-07	1.67E-08	4.03E-07	8.89E-08	1.21E-07	1.92E-07	3.32E-08	2.43E-08	8.79E-07
1659	494361.06	3858851.99	1.48E-03	1.52E-03	1.51E-03	5.14E-07	1.55E-06	8.98E-07	9.17E-07	8.31E-07	3.72E-07	3.79E-07	1.72E-08	4.15E-07	9.15E-08	1.24E-07	1.97E-07	3.41E-08	2.50E-08	9.04E-07
1660	494411.06	3858851.99	1.48E-03	1.51E-03	1.51E-03	5.12E-07	1.55E-06	8.95E-07	9.13E-07	8.28E-07	3.70E-07	3.77E-07	1.71E-08	4.13E-07	9.11E-08	1.24E-07	1.97E-07	3.40E-08	2.49E-08	9.01E-07
1661	494461.06	3858851.99	1.48E-03	1.51E-03	1.51E-03	5.12E-07	1.55E-06	8.95E-07	9.13E-07	8.28E-07	3.70E-07	3.77E-07	1.71E-08	4.13E-07	9.12E-08	1.24E-07	1.97E-07	3.40E-08	2.49E-08	9.01E-07
1662	494511.06	3858851.99	1.49E-03	1.52E-03	1.51E-03	5.14E-07	1.55E-06	8.99E-07	9.17E-07	8.32E-07	3.72E-07	3.79E-07	1.72E-08	4.15E-07	9.15E-08	1.25E-07	1.98E-07	3.41E-08	2.50E-08	9.05E-07
1663	494561.06	3858851.99	1.48E-03	1.51E-03	1.50E-03	5.11E-07	1.54E-06	8.93E-07	9.11E-07	8.26E-07	3.69E-07	3.76E-07	1.71E-08	4.12E-07	9.09E-08	1.24E-07	1.96E-07	3.39E-08	2.48E-08	8.99E-07
1664	494611.06	3858851.99	1.46E-03	1.49E-03	1.49E-03	5.05E-07	1.52E-06	8.82E-07	9.00E-07	8.16E-07	3.65E-07	3.72E-07	1.68E-08	4.07E-07	8.98E-08	1.22E-07	1.94E-07	3.35E-08	2.45E-08	8.88E-07
1665	494661.06	3858851.99	1.44E-03	1.46E-03	1.46E-03	4.97E-07	1.50E-06	8.68E-07	8.86E-07	8.03E-07	3.59E-07	3.66E-07	1.66E-08	4.01E-07	8.84E-08	1.20E-07	1.91E-07	3.30E-08	2.41E-08	8.74E-07
1666	494711.06	3858851.99	1.40E-03	1.43E-03	1.43E-03	4.86E-07	1.47E-06	8.49E-07	8.67E-07	7.86E-07	3.51E-07	3.58E-07	1.62E-08	3.92E-07	8.65E-08	1.18E-07	1.87E-07	3.22E-08	2.36E-08	8.55E-07
1667	494761.06	3858851.99	1.37E-03	1.40E-03	1.40E-03	4.75E-07	1.44E-06	8.31E-07	8.48E-07	7.69E-07	3.44E-07	3.50E-07	1.59E-08	3.83E-07	8.46E-08	1.15E-07	1.83E-07	3.15E-08	2.31E-08	8.36E-07
1668	494811.06	3858851.99	1.35E-03	1.38E-03	1.37E-03	4.67E-07	1.41E-06	8.16E-07	8.33E-07	7.55E-07	3.38E-07	3.44E-07	1.56E-08	3.77E-07	8.31E-08	1.13E-07	1.79E-07	3.10E-08	2.27E-08	8.21E-07
1669	494861.06	3858851.99	1.33E-03	1.36E-03	1.36E-03	4.61E-07	1.39E-06	8.06E-07	8.22E-07	7.45E-07	3.33E-07	3.40E-07	1.54E-08	3.72E-07	8.20E-08	1.12E-07	1.77E-07	3.06E-08	2.24E-08	8.11E-07
1670	494911.06	3858851.99	1.31E-03	1.34E-03	1.33E-03	4.53E-07	1.37E-06	7.92E-07	8.08E-07	7.32E-07	3.28E-07	3.34E-07	1.51E-08	3.65E-07	8.06E-08	1.10E-07	1.74E-07	3.01E-08	2.20E-08	7.97E-07
1671	494961.06	3858851.99	1.29E-03	1.31E-03	1.31E-03	4.46E-07	1.35E-06	7.79E-07	7.95E-07	7.21E-07	3.22E-07	3.29E-07	1.49E-08	3.60E-07	7.94E-08	1.08E-07	1.71E-07	2.96E-08	2.17E-08	7.85E-07
1672	495011.06	3858851.99	1.27E-03	1.30E-03	1.30E-03	4.40E-07	1.33E-06	7.69E-07	7.85E-07	7.12E-07	3.18E-07	3.24E-07	1.47E-08	3.55E-07	7.83E-08	1.07E-07	1.69E-07	2.92E-08	2.14E-08	7.74E-07
1673	495061.06	3858851.99	1.25E-03	1.28E-03	1.28E-03	4.33E-07	1.31E-06	7.58E-07	7.73E-07	7.01E-07	3.13E-07	3.19E-07	1.45E-08	3.50E-07	7.71E-08	1.05E-07	1.66E-07	2.88E-08	2.11E-08	7.62E-07
1674	495111.06	3858851.99	1.22E-03	1.24E-03	1.24E-03	4.22E-07	1.27E-06	7.38E-07	7.53E-07	6.82E-07	3.05E-07	3.11E-07	1.41E-08	3.40E-07	7.51E-08	1.02E-07	1.62E-07	2.80E-08	2.05E-08	7.43E-07
1675	495161.06	3858851.99	1.20E-03	1.23E-03	1.22E-03	4.16E-07	1.26E-06	7.27E-07	7.41E-07	6.72E-07	3.01E-07	3.06E-07	1.39E-08	3.35E-07	7.40E-08	1.01E-07	1.60E-07	2.76E-08	2.02E-08	7.31E-07
1676	495211.06	3858851.99	1.20E-03	1.22E-03	1.22E-03	4.15E-07	1.25E-06	7.25E-07	7.40E-07	6.71E-07	3.00E-07	3.06E-07	1.39E-08	3.35E-07	7.39E-08	1.01E-07	1.59E-07	2.75E-08	2.02E-08	7.30E-07
1677	495261.06	3858851.99	1.19E-03	1.22E-03	1.21E-03	4.13E-07	1.25E-06	7.21E-07	7.36E-07	6.67E-07	2.98E-07	3.04E-07	1.38E-08	3.33E-07	7.34E-08	9.99E-08	1.59E-07	2.74E-08	2.01E-08	7.26E-07
1678	495311.06	3858851.99	1.19E-03	1.21E-03	1.21E-03	4.11E-07	1.24E-06	7.19E-07	7.34E-07	6.65E-07	2.97E-07	3.03E-07	1.37E-08	3.32E-07	7.32E-08	9.96E-08	1.58E-07	2.73E-08	2.00E-08	7.24E-07
1679	495361.06	3858851.99	1.18E-03	1.21E-03	1.20E-03	4.09E-07	1.24E-06	7.15E-07	7.30E-07	6.62E-07	2.96E-07	3.02E-07	1.37E-08	3.30E-07	7.28E-08	9.91E-08	1.57E-07	2.72E-08	1.99E-08	7.20E-07
1680	495411.06	3858851.99	1.18E-03	1.20E-03	1.20E-03	4.07E-07	1.23E-06	7.12E-07	7.26E-07	6.58E-07	2.94E-07	3.00E-07	1.36E-08	3.28E-07	7.25E-08	9.86E-08	1.56E-07	2.70E-08	1.98E-08	7.16E-07
1681	495461.06	3858851.99	1.17E-03	1.19E-03	1.19E-03	4.05E-07	1.22E-06	7.09E-07	7.23E-07	6.55E-07	2.93E-07	2.99E-07	1.35E-08	3.27E-07	7.21E-08	9.82E-08	1.56E-07	2.69E-08	1.97E-08	7.13E-07
1682	495511.06	3858851.99	1.16E-03	1.18E-03	1.18E-03	4.01E-07	1.21E-06	7.02E-07	7.16E-07	6.49E-07	2.90E-07	2.96E-07	1.34E-08	3.24E-07	7.14E-08	9.72E-08	1.54E-07	2.66E-08	1.95E-08	7.06E-07
1683	495561.06	3858851.99	1.15E-03	1.17E-03	1.17E-03	3.96E-07	1.20E-06	6.93E-07	7.07E-07	6.41E-07	2.87E-07	2.92E-07	1.32E-08	3.20E-07	7.06E-08	9.60E-08	1.52E-07	2.63E-08	1.93E-08	6.98E-07
1684	495611.06	3858851.99	1.13E-03	1.15E-03	1.15E-03	3.92E-07	1.18E-06	6.84E-07	6.98E-07	6.33E-07	2.83E-07	2.89E-07	1.31E-08	3.16E-07	6.97E-08	9.48E-08	1.50E-07	2.60E-08	1.90E-08	6.89E-07
1685	495661.06	3858851.99	1.13E-03	1.15E-03	1.15E-03	3.90E-07	1.18E-06	6.81E-07	6.95E-07	6.30E-07	2.82E-07	2.87E-07	1.30E-08	3.14E-07	6.94E-08	9.44E-08	1.50E-07	2.59E-08	1.89E-08	6.86E-07
1686	494311.06	3858901.99	1.53E-03	1.56E-03	1.56E-03	5.30E-07	1.60E-06	9.27E-07	9.46E-07	8.57E-07	3.83E-07	3.91E-07	1.77E-08	4.28E-07	9.44E-08	1.28E-07	2.04E-07	3.52E-08	2.58E-08	9.33E-07
1687	494361.06	3858901.99	1.56E-03	1.59E-03	1.59E-03	5.41E-07	1.63E-06	9.45E-07	9.65E-07	8.75E-07	3.91E-07	3.99E-07	1.81E-08	4.36E-07	9.63E-08	1.31E-07	2.08E-07	3.59E-08	2.63E-08	9.52E-07
1688	494411.06	3858901.99	1.56E-03	1.59E-03	1.59E-03	5.41E-07	1.63E-06	9.45E-07	9.65E-07	8.74E-07	3.91E-07	3.99E-07	1.81E-08	4.36E-07	9.63E-08	1.31E-07	2.08E-07	3.59E-08	2.63E-08	9.51E-07
1689	494461.06	3858901.99	1.57E-03	1.61E-03	1.60E-03	5.45E-07	1.64E-06	9.52E-07	9.72E-07	8.81E-07	3.94E-07	4.01E-07	1.82E-08	4.39E-07	9.70E-08	1.32E-07	2.09E-07	3.61E-08	2.65E-08	9.58E-07
1690	494511.06	3858901.99	1.57E-03	1.60E-03	1.60E-03	5.43E-07	1.64E-06	9.49E-07	9.69E-07	8.78E-07	3.93E-07	4.00E-07	1.81E-08	4.38E-07	9.67E-08	1.32E-07	2.09E-07	3.60E-08	2.64E-08	9.55E-07
1691	494561.06	3858901.99	1.55E-03	1.58E-03	1.58E-03	5.36E-07	1.62E-06	9.37E-07	9.56E-07	8.67E-07	3.88E-07	3.95E-07	1.79E-08	4.32E-07	9.54E-08	1.30E-07	2.06E-07	3.56E-08	2.61E-08	9.43E-07
1692	494611.06	3858901.99	1.52E-03	1.55E-03	1.54E-03	5.24E-07	1.58E-06	9.17E-07	9.35E-07	8.48E-07	3.79E-07	3.86E-07	1.75E-08	4.23E-07	9.34E-08	1.27E-07	2.01E-07	3.48E-08	2.55E-08	9.23E-07
1693	494661.06	3858901.99	1.50E-03	1.53E-03	1.52E-03	5.18E-07	1.56E-06	9.05E-07	9.24E-07	8.37E-07	3.74E-07	3.82E-07	1.73E-08	4.18E-07	9.22E-08	1.25E-07	1.99E-07	3.44E-08	2.52E-08	9.11E-07
1694	494711.06	3858901.99	1.47E-03	1.49E-03	1.49E-03	5.07E-07	1.53E-06	8.86E-07	9.05E-07	8.20E-07	3.67E-07	3.74E-07	1.69E-08	4.09E-07	9.03E-08	1.23E-07	1.95E-07	3.36E-08	2.47E-08	8.92E-07
1695	494761.06	3858901.99	1.43E-03	1.46E-03	1.46E-03	4.95E-07	1.49E-06	8.65E-07	8.83E-07	8.00E-07	3.58E-07	3.65E-07	1.65E-08	3.99E-07	8.81E-08	1.20E-07	1.90E-07	3.28E-08	2.41E-08	8.71E-07
1696	494811.06	3858901.99	1.41E-03	1.44E-03	1.43E-03	4.87E-07	1.47E-06	8.52E-07	8.69E-07	7.88E-07	3.52E-07	3.59E-07	1.63E-08	3.93E-07	8.67E-08	1.18E-07	1.87E-07	3.23E-08	2.37E-08	8.57E-07
1697	494861.06	3858901.99	1.39E-03	1.42E-03	1.42E-03	4.82E-07	1.45E-06	8.42E-07	8.59E-07	7.79E-07	3.48E-07	3.55E-07	1.61E-08	3.88E-07	8.57E-08	1.17E-07	1.85E-07	3.20E-08	2.34E-08	8.47E-07
1698	494911.06	3858901.99	1.36E-03	1.39E-03	1.38E-03	4.70E-07	1.42E-06	8.21E-07	8.38E-07	7.60E-07	3.40E-07	3.46E-07	1.57E-08	3.79E-07	8.36E-08	1.14E-07	1.81E-07	3.12E-08	2.28E-08	8.27E-07
1699	494961.06	3858901.99	1.34E-03	1.37E-03	1.36E-03	4.63E-07	1.40E-06	8.10E-07	8.26E-07	7.49E-07	3.35E-07	3.41E-07	1.55E-08	3.74E-07	8.24E-08	1.12E-07	1.78E-07	3.07E-08	2.25E-08	8.15E-07
1700	495011.06	3858901.99	1.32E-03	1.35E-03	1.34E-03	4.57E-07	1.38E-06	7.98E-07	8.15E-07	7.39E-07	3.30E-07	3.37E-07	1.53E-08	3.68E-07	8.13E-08	1.11E-07	1.75E-07	3.03E-08	2.22E-08	8.04E-07
1701	495061.06	3858901.99	1.29E-03	1.32E-03	1.32E-03	4.48E-07	1.35E-06	7.83E-07	7.99E-07	7.24E-07	3.24E-07	3.30E-07	1.50E-08	3.61E-07	7.97E-08	1.08E-07	1.72E-07	2.97E-08	2.18E-08	7.88E-07
1702	495111.06	3858901.99	1.26E-03	1.28E-03	1.28E-03	4.36E-07	1.32E-06	7.61E-07	7.77E-07	7.04E-07	3.15E-07	3.21E-07	1.45E-08	3.51E-07	7.75E-08	1.05E-07	1.67E-07	2.89E-08	2.12E-08	7.66E-07
1703	495161.06	3858901.99	1.25E-03	1.27E-03	1.27E-03	4.31E-07	1.30E-06	7.54E-07	7.69E-07	6.97E-07	3.12E-07	3.18E-07	1.44E-08	3.48E-07	7.68E-08	1.04E-07	1.66E-07	2.86E-08	2.10E-08	7.59E-07

1704	495211.06	3858901.99	1.25E-03	1.27E-03	1.27E-03	4.32E-07	1.31E-06	7.56E-07	7.71E-07	6.99E-07	3.13E-07	3.19E-07	1.44E-08	3.49E-07	7.69E-08	1.05E-07	1.66E-07	2.87E-08	2.10E-08	7.61E-07
1705	495261.06	3858901.99	1.24E-03	1.27E-03	1.27E-03	4.30E-07	1.30E-06	7.52E-07	7.68E-07	6.96E-07	3.11E-07	3.17E-07	1.44E-08	3.47E-07	7.66E-08	1.04E-07	1.65E-07	2.86E-08	2.09E-08	7.57E-07
1706	495311.06	3858901.99	1.24E-03	1.26E-03	1.26E-03	4.28E-07	1.29E-06	7.48E-07	7.63E-07	6.92E-07	3.09E-07	3.15E-07	1.43E-08	3.45E-07	7.61E-08	1.04E-07	1.64E-07	2.84E-08	2.08E-08	7.52E-07
1707	495361.06	3858901.99	1.23E-03	1.25E-03	1.25E-03	4.25E-07	1.28E-06	7.43E-07	7.58E-07	6.88E-07	3.07E-07	3.13E-07	1.42E-08	3.43E-07	7.57E-08	1.03E-07	1.63E-07	2.82E-08	2.07E-08	7.48E-07
1708	495411.06	3858901.99	1.23E-03	1.25E-03	1.25E-03	4.24E-07	1.28E-06	7.42E-07	7.57E-07	6.86E-07	3.07E-07	3.13E-07	1.42E-08	3.42E-07	7.55E-08	1.03E-07	1.63E-07	2.81E-08	2.06E-08	7.46E-07
1709	495461.06	3858901.99	1.22E-03	1.24E-03	1.24E-03	4.21E-07	1.27E-06	7.36E-07	7.51E-07	6.80E-07	3.04E-07	3.10E-07	1.41E-08	3.39E-07	7.49E-08	1.02E-07	1.62E-07	2.79E-08	2.05E-08	7.40E-07
1710	495511.06	3858901.99	1.20E-03	1.23E-03	1.23E-03	4.16E-07	1.26E-06	7.27E-07	7.42E-07	6.73E-07	3.01E-07	3.07E-07	1.39E-08	3.36E-07	7.41E-08	1.01E-07	1.60E-07	2.76E-08	2.02E-08	7.32E-07
1711	495561.06	3858901.99	1.19E-03	1.21E-03	1.21E-03	4.12E-07	1.24E-06	7.20E-07	7.35E-07	6.66E-07	2.98E-07	3.04E-07	1.38E-08	3.32E-07	7.33E-08	9.98E-08	1.58E-07	2.73E-08	2.00E-08	7.25E-07
1712	495611.06	3858901.99	1.18E-03	1.20E-03	1.20E-03	4.07E-07	1.23E-06	7.11E-07	7.26E-07	6.58E-07	2.94E-07	3.00E-07	1.36E-08	3.28E-07	7.24E-08	9.86E-08	1.56E-07	2.70E-08	1.98E-08	7.16E-07
1713	495661.06	3858901.99	1.17E-03	1.19E-03	1.19E-03	4.05E-07	1.22E-06	7.09E-07	7.23E-07	6.55E-07	2.93E-07	2.99E-07	1.35E-08	3.27E-07	7.21E-08	9.82E-08	1.56E-07	2.69E-08	1.97E-08	7.13E-07
1714	494311.06	3858951.99	1.65E-03	1.68E-03	1.68E-03	5.69E-07	1.72E-06	9.95E-07	1.02E-06	9.21E-07	4.12E-07	4.20E-07	1.90E-08	4.59E-07	1.01E-07	1.38E-07	2.19E-07	3.78E-08	2.77E-08	1.00E-06
1715	494361.06	3858951.99	1.66E-03	1.69E-03	1.69E-03	5.73E-07	1.73E-06	1.00E-06	1.02E-06	9.27E-07	4.14E-07	4.22E-07	1.91E-08	4.62E-07	1.02E-07	1.39E-07	2.20E-07	3.80E-08	2.79E-08	1.01E-06
1716	494411.06	3858951.99	1.64E-03	1.67E-03	1.67E-03	5.68E-07	1.71E-06	9.92E-07	1.01E-06	9.18E-07	4.10E-07	4.18E-07	1.90E-08	4.58E-07	1.01E-07	1.37E-07	2.18E-07	3.77E-08	2.76E-08	9.99E-07
1717	494461.06	3858951.99	1.65E-03	1.69E-03	1.68E-03	5.72E-07	1.73E-06	1.00E-06	1.02E-06	9.25E-07	4.14E-07	4.22E-07	1.91E-08	4.61E-07	1.02E-07	1.39E-07	2.20E-07	3.80E-08	2.78E-08	1.01E-06
1718	494511.06	3858951.99	1.64E-03	1.67E-03	1.67E-03	5.68E-07	1.71E-06	9.92E-07	1.01E-06	9.18E-07	4.10E-07	4.18E-07	1.90E-08	4.58E-07	1.01E-07	1.37E-07	2.18E-07	3.77E-08	2.76E-08	9.99E-07
1719	494561.06	3858951.99	1.62E-03	1.65E-03	1.65E-03	5.60E-07	1.69E-06	9.79E-07	9.99E-07	9.06E-07	4.05E-07	4.13E-07	1.87E-08	4.52E-07	9.97E-08	1.36E-07	2.15E-07	3.72E-08	2.72E-08	9.86E-07
1720	494611.06	3858951.99	1.59E-03	1.62E-03	1.62E-03	5.50E-07	1.66E-06	9.61E-07	9.80E-07	8.89E-07	3.97E-07	4.05E-07	1.84E-08	4.43E-07	9.78E-08	1.33E-07	2.11E-07	3.65E-08	2.67E-08	9.67E-07
1721	494661.06	3858951.99	1.56E-03	1.59E-03	1.59E-03	5.40E-07	1.63E-06	9.44E-07	9.63E-07	8.73E-07	3.90E-07	3.98E-07	1.80E-08	4.35E-07	9.61E-08	1.31E-07	2.07E-07	3.58E-08	2.62E-08	9.50E-07
1722	494711.06	3858951.99	1.52E-03	1.55E-03	1.55E-03	5.27E-07	1.59E-06	9.21E-07	9.39E-07	8.51E-07	3.81E-07	3.88E-07	1.76E-08	4.25E-07	9.37E-08	1.28E-07	2.02E-07	3.49E-08	2.56E-08	9.26E-07
1723	494761.06	3858951.99	1.49E-03	1.52E-03	1.52E-03	5.17E-07	1.56E-06	9.03E-07	9.22E-07	8.35E-07	3.74E-07	3.81E-07	1.73E-08	4.17E-07	9.20E-08	1.25E-07	1.99E-07	3.43E-08	2.51E-08	9.09E-07
1724	494811.06	3858951.99	1.47E-03	1.50E-03	1.50E-03	5.10E-07	1.54E-06	8.91E-07	9.09E-07	8.24E-07	3.68E-07	3.76E-07	1.70E-08	4.11E-07	9.07E-08	1.23E-07	1.96E-07	3.38E-08	2.48E-08	8.97E-07
1725	494861.06	3858951.99	1.45E-03	1.48E-03	1.48E-03	5.03E-07	1.52E-06	8.78E-07	8.96E-07	8.13E-07	3.63E-07	3.70E-07	1.68E-08	4.05E-07	8.95E-08	1.22E-07	1.93E-07	3.33E-08	2.44E-08	8.84E-07
1726	494911.06	3858951.99	1.42E-03	1.45E-03	1.45E-03	4.93E-07	1.49E-06	8.61E-07	8.79E-07	7.97E-07	3.56E-07	3.63E-07	1.65E-08	3.97E-07	8.77E-08	1.19E-07	1.89E-07	3.27E-08	2.39E-08	8.67E-07
1727	494961.06	3858951.99	1.41E-03	1.44E-03	1.43E-03	4.87E-07	1.47E-06	8.52E-07	8.69E-07	7.88E-07	3.52E-07	3.59E-07	1.63E-08	3.93E-07	8.67E-08	1.18E-07	1.87E-07	3.23E-08	2.37E-08	8.57E-07
1728	495011.06	3858951.99	1.37E-03	1.39E-03	1.39E-03	4.73E-07	1.43E-06	8.27E-07	8.44E-07	7.65E-07	3.42E-07	3.49E-07	1.58E-08	3.82E-07	8.42E-08	1.15E-07	1.82E-07	3.14E-08	2.30E-08	8.32E-07
1729	495061.06	3858951.99	1.33E-03	1.36E-03	1.35E-03	4.60E-07	1.39E-06	8.04E-07	8.20E-07	7.43E-07	3.32E-07	3.39E-07	1.54E-08	3.71E-07	8.18E-08	1.11E-07	1.77E-07	3.05E-08	2.23E-08	8.09E-07
1730	495111.06	3858951.99	1.30E-03	1.33E-03	1.32E-03	4.50E-07	1.36E-06	7.86E-07	8.02E-07	7.27E-07	3.25E-07	3.31E-07	1.50E-08	3.63E-07	8.00E-08	1.09E-07	1.73E-07	2.98E-08	2.18E-08	7.91E-07
1731	495161.06	3858951.99	1.31E-03	1.33E-03	1.33E-03	4.52E-07	1.36E-06	7.90E-07	8.06E-07	7.31E-07	3.27E-07	3.33E-07	1.51E-08	3.65E-07	8.05E-08	1.09E-07	1.74E-07	3.00E-08	2.20E-08	7.95E-07
1732	495211.06	3858951.99	1.30E-03	1.33E-03	1.33E-03	4.50E-07	1.36E-06	7.87E-07	8.03E-07	7.28E-07	3.26E-07	3.32E-07	1.50E-08	3.63E-07	8.01E-08	1.09E-07	1.73E-07	2.99E-08	2.19E-08	7.92E-07
1733	495261.06	3858951.99	1.30E-03	1.32E-03	1.32E-03	4.48E-07	1.35E-06	7.84E-07	8.00E-07	7.25E-07	3.24E-07	3.30E-07	1.50E-08	3.62E-07	7.98E-08	1.09E-07	1.72E-07	2.97E-08	2.18E-08	7.89E-07
1734	495311.06	3858951.99	1.28E-03	1.30E-03	1.30E-03	4.43E-07	1.34E-06	7.74E-07	7.90E-07	7.16E-07	3.20E-07	3.26E-07	1.48E-08	3.57E-07	7.88E-08	1.07E-07	1.70E-07	2.94E-08	2.15E-08	7.79E-07
1735	495361.06	3858951.99	1.27E-03	1.30E-03	1.30E-03	4.41E-07	1.33E-06	7.71E-07	7.87E-07	7.13E-07	3.19E-07	3.25E-07	1.47E-08	3.56E-07	7.85E-08	1.07E-07	1.70E-07	2.93E-08	2.14E-08	7.76E-07
1736	495411.06	3858951.99	1.27E-03	1.30E-03	1.30E-03	4.41E-07	1.33E-06	7.70E-07	7.86E-07	7.12E-07	3.19E-07	3.25E-07	1.47E-08	3.55E-07	7.84E-08	1.07E-07	1.69E-07	2.92E-08	2.14E-08	7.75E-07
1737	495461.06	3858951.99	1.26E-03	1.29E-03	1.29E-03	4.37E-07	1.32E-06	7.65E-07	7.80E-07	7.07E-07	3.16E-07	3.22E-07	1.46E-08	3.53E-07	7.78E-08	1.06E-07	1.68E-07	2.90E-08	2.13E-08	7.69E-07
1738	495511.06	3858951.99	1.26E-03	1.28E-03	1.28E-03	4.36E-07	1.32E-06	7.61E-07	7.77E-07	7.04E-07	3.15E-07	3.21E-07	1.45E-08	3.51E-07	7.75E-08	1.05E-07	1.67E-07	2.89E-08	2.12E-08	7.66E-07
1739	495561.06	3858951.99	1.24E-03	1.26E-03	1.26E-03	4.28E-07	1.29E-06	7.48E-07	7.63E-07	6.92E-07	3.09E-07	3.15E-07	1.43E-08	3.45E-07	7.62E-08	1.04E-07	1.64E-07	2.84E-08	2.08E-08	7.53E-07
1740	495611.06	3858951.99	1.22E-03	1.25E-03	1.25E-03	4.23E-07	1.28E-06	7.40E-07	7.55E-07	6.84E-07	3.06E-07	3.12E-07	1.41E-08	3.41E-07	7.53E-08	1.02E-07	1.63E-07	2.81E-08	2.06E-08	7.44E-07
1741	495661.06	3858951.99	1.22E-03	1.24E-03	1.24E-03	4.21E-07	1.27E-06	7.37E-07	7.52E-07	6.81E-07	3.05E-07	3.11E-07	1.41E-08	3.40E-07	7.50E-08	1.02E-07	1.62E-07	2.80E-08	2.05E-08	7.41E-07
1742	494311.06	3859001.99	1.75E-03	1.78E-03	1.78E-03	6.05E-07	1.83E-06	1.06E-06	1.08E-06	9.79E-07	4.38E-07	4.46E-07	2.02E-08	4.88E-07	1.08E-07	1.47E-07	2.33E-07	4.02E-08	2.94E-08	1.07E-06
1743	494361.06	3859001.99	1.74E-03	1.78E-03	1.78E-03	6.03E-07	1.82E-06	1.05E-06	1.08E-06	9.75E-07	4.36E-07	4.44E-07	2.01E-08	4.86E-07	1.07E-07	1.46E-07	2.32E-07	4.00E-08	2.93E-08	1.06E-06
1744	494411.06	3859001.99	1.75E-03	1.78E-03	1.78E-03	6.05E-07	1.83E-06	1.06E-06	1.08E-06	9.78E-07	4.37E-07	4.46E-07	2.02E-08	4.88E-07	1.08E-07	1.46E-07	2.32E-07	4.01E-08	2.94E-08	1.06E-06
1745	494461.06	3859001.99	1.73E-03	1.77E-03	1.77E-03	6.00E-07	1.81E-06	1.05E-06	1.07E-06	9.71E-07	4.34E-07	4.42E-07	2.00E-08	4.84E-07	1.07E-07	1.45E-07	2.31E-07	3.98E-08	2.92E-08	1.06E-06
1746	494511.06	3859001.99	1.72E-03	1.76E-03	1.75E-03	5.96E-07	1.80E-06	1.04E-06	1.06E-06	9.63E-07	4.31E-07	4.39E-07	1.99E-08	4.80E-07	1.06E-07	1.44E-07	2.29E-07	3.95E-08	2.89E-08	1.05E-06
1747	494561.06	3859001.99	1.69E-03	1.72E-03	1.72E-03	5.84E-07	1.76E-06	1.02E-06	1.04E-06	9.45E-07	4.22E-07	4.31E-07	1.95E-08	4.71E-07	1.04E-07	1.42E-07	2.24E-07	3.88E-08	2.84E-08	1.03E-06
1748	494611.06	3859001.99	1.66E-03	1.69E-03	1.69E-03	5.74E-07	1.73E-06	1.00E-06	1.02E-06	9.28E-07	4.15E-07	4.23E-07	1.92E-08	4.63E-07	1.02E-07	1.39E-07	2.21E-07	3.81E-08	2.79E-08	1.01E-06
1749	494661.06	3859001.99	1.62E-03	1.66E-03	1.65E-03	5.62E-07	1.70E-06	9.82E-07	1.00E-06	9.08E-07	4.06E-07	4.14E-07	1.88E-08	4.53E-07	1.00E-07	1.36E-07	2.16E-07	3.73E-08	2.73E-08	9.88E-07
1750	494711.06	3859001.99	1.58E-03	1.61E-03	1.61E-03	5.48E-07	1.65E-06	9.58E-07	9.77E-07	8.86E-07	3.96E-07	4.04E-07	1.83E-08	4.42E-07	9.75E-08	1.33E-07	2.10E-07	3.64E-08	2.66E-08	9.64E-07
1751	494761.06	3859001.99	1.56E-03	1.59E-03	1.59E-03	5.39E-07	1.63E-06	9.42E-07	9.62E-07	8.72E-07	3.90E-07	3.97E-07	1.80E-08	4.35E-07	9.60E-08	1.31E-07	2.07E-07	3.58E-08	2.62E-08	9.48E-07
1752	494811.06	3859001.99	1.54E-03	1.57E-03	1.57E-03	5.33E-07	1.61E-06	9.32E-07	9.51E-07	8.62E-07	3.86E-07	3.93E-07	1.78E-08	4.30E-07	9.49E-08	1.29E-07	2.05E-07	3.54E-08	2.59E-08	9.38E-07
1753	494861.06	3859001.99	1.51E-03	1.54E-03	1.54E-03	5.24E-07	1.58E-06	9.16E-07	9.35E-07	8.47E-07	3.79E-07	3.86E-07	1.75E-08	4.23E-07	9.33E-08	1.27E-07	2.01E-07	3.48E-08	2.55E-08	9.22E-07
1754	494911.06	3859001.99	1.49E-03	1.52E-03	1.51E-03	5.14E-07	1.55E-06	8.99E-07	9.17E-07	8.32E-07	3.72E-07	3.79E-07	1.72E-08	4.15E-07	9.15E-08	1.25E-07	1.98E-07	3.41E-08	2.50E-08	9.05E-07
1755	494961.06	3859001.99	1.46E-03	1.49E-03	1.49E-03	5.05E-07	1.52E-06	8.82E-07	9.00E-07	8.16E-07	3.65E-07	3.72E-07	1.68E-08	4.07E-07	8.98E-08	1.22E-07	1.94E-07	3.35E-08	2.45E-08	8.88E-07
1756	495011.06	3859001.99	1.39E-03	1.42E-03	1.42E-03	4.81E-07	1.45E-06	8.41E-07	8.59E-07	7.78E-07	3.48E-07	3.55E-07	1.61E-08	3.88E-07	8.57E-08	1.17E-07	1.85E-07	3.19E-08	2.34E-08	8.47E-07
1757	495061.06	3859001.99	1.37E-03	1.40E-03	1.40E-03	4.76E-07	1.44E-06	8.32E-07	8.49E-07	7.69E-07	3.44E-07	3.51E-07	1.59E-08	3.84E-07	8.47E-08	1.15E-07	1.83E-07	3.16E-08	2.31E-08	8.37E-07
1758	495111.06	3859001.99	1.34E-03	1.37E-03	1.37E-03	4.66E-07	1.41E-06	8.14E-07	8.30E-07	7.53E-07	3.37E-07	3.43E-07	1.55E-08	3.76E-07	8.29E-08	1.13E-07	1.79E-07	3.09E-08	2.26E-08	8.19E-07
1759	495161.06	3859001.99	1.36E-03	1.39E-03	1.39E-03	4.71E-07	1.42E-06	8.23E-07	8.40E-07	7.61E-07	3.40E-07	3.47E-07	1.57E-08	3.80E-07	8.38E-08	1.14E-07	1.81E-07	3.12E-08	2.29E-08	8.28E-07
1760	495211.06	3859001.99	1.35E-03	1.38E-03	1.38E-03	4.67E-07	1.41E-06	8.17E-07	8.34E-07	7.56E-07	3.38E-07	3.44E-07	1.56E-08	3.77E-07	8.32E-08	1.13E-07	1.80E-07	3.10E-08	2.27E-08	8.22E-07

1761	495261.06	3859001.99	1.35E-03	1.37E-03	1.37E-03	4.66E-07	1.41E-06	8.14E-07	8.31E-07	7.53E-07	3.37E-07	3.43E-07	1.56E-08	3.76E-07	8.29E-08	1.13E-07	1.79E-07	3.09E-08	2.26E-08	8.19E-07
1762	495311.06	3859001.99	1.33E-03	1.36E-03	1.36E-03	4.62E-07	1.39E-06	8.07E-07	8.24E-07	7.47E-07	3.34E-07	3.40E-07	1.54E-08	3.73E-07	8.22E-08	1.12E-07	1.77E-07	3.07E-08	2.25E-08	8.13E-07
1763	495361.06	3859001.99	1.33E-03	1.36E-03	1.35E-03	4.60E-07	1.39E-06	8.04E-07	8.21E-07	7.44E-07	3.33E-07	3.39E-07	1.54E-08	3.71E-07	8.19E-08	1.11E-07	1.77E-07	3.05E-08	2.24E-08	8.09E-07
1764	495411.06	3859001.99	1.32E-03	1.35E-03	1.35E-03	4.57E-07	1.38E-06	7.99E-07	8.16E-07	7.39E-07	3.31E-07	3.37E-07	1.53E-08	3.69E-07	8.14E-08	1.11E-07	1.76E-07	3.03E-08	2.22E-08	8.04E-07
1765	495461.06	3859001.99	1.31E-03	1.34E-03	1.34E-03	4.55E-07	1.37E-06	7.95E-07	8.11E-07	7.36E-07	3.29E-07	3.35E-07	1.52E-08	3.67E-07	8.10E-08	1.10E-07	1.75E-07	3.02E-08	2.21E-08	8.00E-07
1766	495511.06	3859001.99	1.30E-03	1.32E-03	1.32E-03	4.48E-07	1.35E-06	7.84E-07	8.00E-07	7.25E-07	3.24E-07	3.30E-07	1.50E-08	3.62E-07	7.98E-08	1.09E-07	1.72E-07	2.98E-08	2.18E-08	7.89E-07
1767	495561.06	3859001.99	1.28E-03	1.31E-03	1.31E-03	4.44E-07	1.34E-06	7.76E-07	7.92E-07	7.18E-07	3.21E-07	3.27E-07	1.48E-08	3.58E-07	7.90E-08	1.08E-07	1.71E-07	2.95E-08	2.16E-08	7.81E-07
1768	495611.06	3859001.99	1.27E-03	1.30E-03	1.29E-03	4.39E-07	1.33E-06	7.68E-07	7.84E-07	7.10E-07	3.18E-07	3.24E-07	1.47E-08	3.54E-07	7.82E-08	1.06E-07	1.69E-07	2.92E-08	2.14E-08	7.73E-07
1769	495661.06	3859001.99	1.27E-03	1.30E-03	1.30E-03	4.40E-07	1.33E-06	7.69E-07	7.85E-07	7.11E-07	3.18E-07	3.24E-07	1.47E-08	3.55E-07	7.83E-08	1.07E-07	1.69E-07	2.92E-08	2.14E-08	7.74E-07
1770	494311.06	3859051.99	1.85E-03	1.89E-03	1.88E-03	6.40E-07	1.93E-06	1.12E-06	1.14E-06	1.03E-06	4.63E-07	4.71E-07	2.14E-08	5.16E-07	1.14E-07	1.55E-07	2.46E-07	4.24E-08	3.11E-08	1.13E-06
1771	494361.06	3859051.99	1.86E-03	1.90E-03	1.89E-03	6.43E-07	1.94E-06	1.12E-06	1.15E-06	1.04E-06	4.65E-07	4.74E-07	2.15E-08	5.19E-07	1.14E-07	1.56E-07	2.47E-07	4.27E-08	3.13E-08	1.13E-06
1772	494411.06	3859051.99	1.84E-03	1.88E-03	1.87E-03	6.36E-07	1.92E-06	1.11E-06	1.13E-06	1.03E-06	4.60E-07	4.69E-07	2.12E-08	5.13E-07	1.13E-07	1.54E-07	2.44E-07	4.22E-08	3.09E-08	1.12E-06
1773	494461.06	3859051.99	1.81E-03	1.85E-03	1.85E-03	6.28E-07	1.90E-06	1.10E-06	1.12E-06	1.02E-06	4.54E-07	4.63E-07	2.10E-08	5.06E-07	1.12E-07	1.52E-07	2.41E-07	4.17E-08	3.05E-08	1.10E-06
1774	494511.06	3859051.99	1.78E-03	1.82E-03	1.82E-03	6.18E-07	1.86E-06	1.08E-06	1.10E-06	9.99E-07	4.47E-07	4.55E-07	2.06E-08	4.98E-07	1.10E-07	1.50E-07	2.37E-07	4.10E-08	3.00E-08	1.09E-06
1775	494561.06	3859051.99	1.76E-03	1.80E-03	1.79E-03	6.09E-07	1.84E-06	1.06E-06	1.09E-06	9.85E-07	4.40E-07	4.49E-07	2.03E-08	4.91E-07	1.08E-07	1.47E-07	2.34E-07	4.04E-08	2.96E-08	1.07E-06
1776	494611.06	3859051.99	1.73E-03	1.76E-03	1.76E-03	5.98E-07	1.80E-06	1.04E-06	1.07E-06	9.66E-07	4.32E-07	4.40E-07	2.00E-08	4.82E-07	1.06E-07	1.45E-07	2.30E-07	3.96E-08	2.90E-08	1.05E-06
1777	494661.06	3859051.99	1.69E-03	1.73E-03	1.72E-03	5.85E-07	1.77E-06	1.02E-06	1.04E-06	9.47E-07	4.23E-07	4.31E-07	1.96E-08	4.72E-07	1.04E-07	1.42E-07	2.25E-07	3.88E-08	2.85E-08	1.03E-06
1778	494711.06	3859051.99	1.66E-03	1.69E-03	1.69E-03	5.74E-07	1.73E-06	1.00E-06	1.02E-06	9.29E-07	4.15E-07	4.23E-07	1.92E-08	4.63E-07	1.02E-07	1.39E-07	2.21E-07	3.81E-08	2.79E-08	1.01E-06
1779	494761.06	3859051.99	1.63E-03	1.66E-03	1.66E-03	5.63E-07	1.70E-06	9.84E-07	1.00E-06	9.10E-07	4.07E-07	4.15E-07	1.88E-08	4.54E-07	1.00E-07	1.36E-07	2.16E-07	3.74E-08	2.74E-08	9.90E-07
1780	494811.06	3859051.99	1.60E-03	1.64E-03	1.63E-03	5.55E-07	1.67E-06	9.70E-07	9.89E-07	8.97E-07	4.01E-07	4.09E-07	1.85E-08	4.47E-07	9.87E-08	1.34E-07	2.13E-07	3.68E-08	2.70E-08	9.76E-07
1781	494861.06	3859051.99	1.58E-03	1.61E-03	1.61E-03	5.46E-07	1.65E-06	9.55E-07	9.74E-07	8.83E-07	3.95E-07	4.03E-07	1.82E-08	4.41E-07	9.72E-08	1.32E-07	2.10E-07	3.62E-08	2.65E-08	9.61E-07
1782	494911.06	3859051.99	1.54E-03	1.57E-03	1.57E-03	5.34E-07	1.61E-06	9.33E-07	9.52E-07	8.63E-07	3.86E-07	3.93E-07	1.78E-08	4.31E-07	9.50E-08	1.29E-07	2.05E-07	3.54E-08	2.60E-08	9.39E-07
1783	494961.06	3859051.99	1.49E-03	1.52E-03	1.52E-03	5.17E-07	1.56E-06	9.04E-07	9.22E-07	8.36E-07	3.74E-07	3.81E-07	1.73E-08	4.17E-07	9.20E-08	1.25E-07	1.99E-07	3.43E-08	2.51E-08	9.09E-07
1784	495011.06	3859051.99	1.46E-03	1.49E-03	1.48E-03	5.04E-07	1.52E-06	8.81E-07	8.99E-07	8.15E-07	3.64E-07	3.71E-07	1.68E-08	4.07E-07	8.97E-08	1.22E-07	1.94E-07	3.34E-08	2.45E-08	8.87E-07
1785	495061.06	3859051.99	1.43E-03	1.46E-03	1.46E-03	4.95E-07	1.50E-06	8.66E-07	8.83E-07	8.01E-07	3.58E-07	3.65E-07	1.65E-08	3.99E-07	8.81E-08	1.20E-07	1.90E-07	3.29E-08	2.41E-08	8.71E-07
1786	495111.06	3859051.99	1.41E-03	1.44E-03	1.44E-03	4.90E-07	1.48E-06	8.56E-07	8.73E-07	7.92E-07	3.54E-07	3.61E-07	1.64E-08	3.95E-07	8.72E-08	1.19E-07	1.88E-07	3.25E-08	2.38E-08	8.62E-07
1787	495161.06	3859051.99	1.42E-03	1.45E-03	1.45E-03	4.91E-07	1.48E-06	8.59E-07	8.77E-07	7.95E-07	3.55E-07	3.62E-07	1.64E-08	3.96E-07	8.75E-08	1.19E-07	1.89E-07	3.26E-08	2.39E-08	8.65E-07
1788	495211.06	3859051.99	1.40E-03	1.43E-03	1.43E-03	4.85E-07	1.46E-06	8.48E-07	8.65E-07	7.84E-07	3.51E-07	3.57E-07	1.62E-08	3.91E-07	8.63E-08	1.17E-07	1.86E-07	3.22E-08	2.36E-08	8.53E-07
1789	495261.06	3859051.99	1.40E-03	1.43E-03	1.43E-03	4.85E-07	1.46E-06	8.48E-07	8.65E-07	7.84E-07	3.51E-07	3.57E-07	1.62E-08	3.91E-07	8.63E-08	1.17E-07	1.86E-07	3.22E-08	2.36E-08	8.53E-07
1790	495311.06	3859051.99	1.39E-03	1.42E-03	1.41E-03	4.80E-07	1.45E-06	8.39E-07	8.57E-07	7.76E-07	3.47E-07	3.54E-07	1.60E-08	3.87E-07	8.55E-08	1.16E-07	1.84E-07	3.19E-08	2.33E-08	8.45E-07
1791	495361.06	3859051.99	1.38E-03	1.41E-03	1.41E-03	4.77E-07	1.44E-06	8.34E-07	8.51E-07	7.72E-07	3.45E-07	3.52E-07	1.59E-08	3.85E-07	8.50E-08	1.16E-07	1.83E-07	3.17E-08	2.32E-08	8.40E-07
1792	495411.06	3859051.99	1.37E-03	1.40E-03	1.40E-03	4.76E-07	1.44E-06	8.32E-07	8.49E-07	7.69E-07	3.44E-07	3.51E-07	1.59E-08	3.84E-07	8.47E-08	1.15E-07	1.83E-07	3.16E-08	2.31E-08	8.37E-07
1793	495461.06	3859051.99	1.37E-03	1.40E-03	1.40E-03	4.74E-07	1.43E-06	8.29E-07	8.45E-07	7.66E-07	3.43E-07	3.49E-07	1.58E-08	3.82E-07	8.44E-08	1.15E-07	1.82E-07	3.15E-08	2.30E-08	8.34E-07
1794	495511.06	3859051.99	1.35E-03	1.38E-03	1.37E-03	4.67E-07	1.41E-06	8.16E-07	8.33E-07	7.55E-07	3.37E-07	3.44E-07	1.56E-08	3.76E-07	8.31E-08	1.13E-07	1.79E-07	3.10E-08	2.27E-08	8.21E-07
1795	495561.06	3859051.99	1.33E-03	1.36E-03	1.36E-03	4.61E-07	1.39E-06	8.06E-07	8.22E-07	7.45E-07	3.33E-07	3.40E-07	1.54E-08	3.72E-07	8.21E-08	1.12E-07	1.77E-07	3.06E-08	2.24E-08	8.11E-07
1796	495611.06	3859051.99	1.32E-03	1.34E-03	1.34E-03	4.56E-07	1.38E-06	7.97E-07	8.13E-07	7.37E-07	3.30E-07	3.36E-07	1.52E-08	3.68E-07	8.11E-08	1.10E-07	1.75E-07	3.02E-08	2.22E-08	8.02E-07
1797	495661.06	3859051.99	1.32E-03	1.34E-03	1.34E-03	4.56E-07	1.38E-06	7.97E-07	8.13E-07	7.37E-07	3.30E-07	3.36E-07	1.52E-08	3.68E-07	8.12E-08	1.10E-07	1.75E-07	3.03E-08	2.22E-08	8.02E-07
1798	494311.06	3859101.99	1.97E-03	2.01E-03	2.01E-03	6.82E-07	2.06E-06	1.19E-06	1.22E-06	1.10E-06	4.93E-07	5.02E-07	2.28E-08	5.50E-07	1.21E-07	1.65E-07	2.62E-07	4.52E-08	3.31E-08	1.20E-06
1799	494361.06	3859101.99	1.95E-03	1.99E-03	1.99E-03	6.75E-07	2.04E-06	1.18E-06	1.20E-06	1.09E-06	4.88E-07	4.97E-07	2.25E-08	5.44E-07	1.20E-07	1.63E-07	2.59E-07	4.48E-08	3.28E-08	1.19E-06
1800	494411.06	3859101.99	1.93E-03	1.97E-03	1.97E-03	6.69E-07	2.02E-06	1.17E-06	1.19E-06	1.08E-06	4.84E-07	4.93E-07	2.23E-08	5.40E-07	1.19E-07	1.62E-07	2.57E-07	4.44E-08	3.25E-08	1.18E-06
1801	494461.06	3859101.99	1.91E-03	1.94E-03	1.94E-03	6.60E-07	1.99E-06	1.15E-06	1.18E-06	1.07E-06	4.77E-07	4.86E-07	2.20E-08	5.32E-07	1.17E-07	1.60E-07	2.53E-07	4.38E-08	3.21E-08	1.16E-06
1802	494511.06	3859101.99	1.87E-03	1.91E-03	1.90E-03	6.46E-07	1.95E-06	1.13E-06	1.15E-06	1.05E-06	4.67E-07	4.76E-07	2.16E-08	5.21E-07	1.15E-07	1.57E-07	2.48E-07	4.29E-08	3.14E-08	1.14E-06
1803	494561.06	3859101.99	1.84E-03	1.87E-03	1.87E-03	6.36E-07	1.92E-06	1.11E-06	1.13E-06	1.03E-06	4.60E-07	4.69E-07	2.12E-08	5.13E-07	1.13E-07	1.54E-07	2.44E-07	4.22E-08	3.09E-08	1.12E-06
1804	494611.06	3859101.99	1.79E-03	1.83E-03	1.83E-03	6.21E-07	1.87E-06	1.09E-06	1.11E-06	1.00E-06	4.49E-07	4.57E-07	2.07E-08	5.01E-07	1.10E-07	1.50E-07	2.38E-07	4.12E-08	3.02E-08	1.09E-06
1805	494661.06	3859101.99	1.77E-03	1.80E-03	1.80E-03	6.11E-07	1.84E-06	1.07E-06	1.09E-06	9.88E-07	4.42E-07	4.50E-07	2.04E-08	4.93E-07	1.09E-07	1.48E-07	2.35E-07	4.05E-08	2.97E-08	1.07E-06
1806	494711.06	3859101.99	1.72E-03	1.75E-03	1.75E-03	5.95E-07	1.80E-06	1.04E-06	1.06E-06	9.61E-07	4.30E-07	4.38E-07	1.99E-08	4.80E-07	1.06E-07	1.44E-07	2.28E-07	3.95E-08	2.89E-08	1.05E-06
1807	494761.06	3859101.99	1.70E-03	1.74E-03	1.74E-03	5.89E-07	1.78E-06	1.03E-06	1.05E-06	9.53E-07	4.26E-07	4.34E-07	1.97E-08	4.75E-07	1.05E-07	1.43E-07	2.26E-07	3.91E-08	2.87E-08	1.04E-06
1808	494811.06	3859101.99	1.67E-03	1.71E-03	1.70E-03	5.79E-07	1.75E-06	1.01E-06	1.03E-06	9.35E-07	4.18E-07	4.26E-07	1.93E-08	4.67E-07	1.03E-07	1.40E-07	2.22E-07	3.84E-08	2.81E-08	1.02E-06
1809	494861.06	3859101.99	1.64E-03	1.68E-03	1.67E-03	5.69E-07	1.72E-06	9.94E-07	1.01E-06	9.20E-07	4.11E-07	4.19E-07	1.90E-08	4.59E-07	1.01E-07	1.38E-07	2.18E-07	3.77E-08	2.76E-08	1.00E-06
1810	494911.06	3859101.99	1.60E-03	1.64E-03	1.64E-03	5.55E-07	1.68E-06	9.71E-07	9.91E-07	8.98E-07	4.02E-07	4.09E-07	1.85E-08	4.48E-07	9.89E-08	1.34E-07	2.13E-07	3.69E-08	2.70E-08	9.77E-07
1811	494961.06	3859101.99	1.55E-03	1.58E-03	1.58E-03	5.36E-07	1.62E-06	9.37E-07	9.57E-07	8.67E-07	3.88E-07	3.95E-07	1.79E-08	4.33E-07	9.55E-08	1.30E-07	2.06E-07	3.56E-08	2.61E-08	9.44E-07
1812	495011.06	3859101.99	1.49E-03	1.52E-03	1.52E-03	5.17E-07	1.56E-06	9.04E-07	9.22E-07	8.36E-07	3.74E-07	3.81E-07	1.73E-08	4.17E-07	9.20E-08	1.25E-07	1.99E-07	3.43E-08	2.51E-08	9.10E-07
1813	495061.06	3859101.99	1.49E-03	1.52E-03	1.52E-03	5.16E-07	1.56E-06	9.01E-07	9.19E-07	8.34E-07	3.73E-07	3.80E-07	1.72E-08	4.16E-07	9.18E-08	1.25E-07	1.98E-07	3.42E-08	2.51E-08	9.07E-07
1814	495111.06	3859101.99	1.47E-03	1.50E-03	1.50E-03	5.09E-07	1.54E-06	8.90E-07	9.08E-07	8.23E-07	3.68E-07	3.75E-07	1.70E-08	4.11E-07	9.06E-08	1.23E-07	1.96E-07	3.38E-08	2.47E-08	8.96E-07
1815	495161.06	3859101.99	1.47E-03	1.50E-03	1.50E-03	5.11E-07	1.54E-06	8.92E-07	9.11E-07	8.25E-07	3.69E-07	3.76E-07	1.70E-08	4.12E-07	9.09E-08	1.24E-07	1.96E-07	3.39E-08	2.48E-08	8.98E-07
1816	495211.06	3859101.99	1.46E-03	1.49E-03	1.49E-03	5.05E-07	1.52E-06	8.82E-07	9.00E-07	8.16E-07	3.65E-07	3.72E-07	1.68E-08	4.07E-07	8.98E-08	1.22E-07	1.94E-07	3.35E-08	2.45E-08	8.88E-07
1817	495261.06	3859101.99	1.45E-03	1.48E-03	1.48E-03	5.03E-07	1.52E-06	8.79E-07	8.97E-07	8.13E-07	3.64E-07	3.71E-07	1.68E-08	4.06E-07	8.95E-08	1.22E-07	1.93E-07	3.34E-08	2.44E-08	8.85E-07

1818	495311.06	3859101.99	1.44E-03	1.47E-03	1.47E-03	4.98E-07	1.50E-06	8.70E-07	8.88E-07	8.05E-07	3.60E-07	3.67E-07	1.66E-08	4.02E-07	8.86E-08	1.21E-07	1.91E-07	3.30E-08	2.42E-08	8.76E-07
1819	495361.06	3859101.99	1.44E-03	1.47E-03	1.47E-03	4.98E-07	1.50E-06	8.71E-07	8.89E-07	8.06E-07	3.60E-07	3.67E-07	1.66E-08	4.02E-07	8.87E-08	1.21E-07	1.91E-07	3.31E-08	2.42E-08	8.77E-07
1820	495411.06	3859101.99	1.43E-03	1.46E-03	1.46E-03	4.95E-07	1.50E-06	8.66E-07	8.84E-07	8.01E-07	3.58E-07	3.65E-07	1.65E-08	4.00E-07	8.82E-08	1.20E-07	1.90E-07	3.29E-08	2.41E-08	8.72E-07
1821	495461.06	3859101.99	1.41E-03	1.44E-03	1.44E-03	4.88E-07	1.47E-06	8.52E-07	8.70E-07	7.88E-07	3.53E-07	3.59E-07	1.63E-08	3.93E-07	8.68E-08	1.18E-07	1.87E-07	3.24E-08	2.37E-08	8.58E-07
1822	495511.06	3859101.99	1.40E-03	1.43E-03	1.42E-03	4.84E-07	1.46E-06	8.45E-07	8.63E-07	7.82E-07	3.50E-07	3.56E-07	1.62E-08	3.90E-07	8.61E-08	1.17E-07	1.86E-07	3.21E-08	2.35E-08	8.51E-07
1823	495561.06	3859101.99	1.39E-03	1.42E-03	1.41E-03	4.80E-07	1.45E-06	8.40E-07	8.57E-07	7.77E-07	3.47E-07	3.54E-07	1.60E-08	3.87E-07	8.55E-08	1.16E-07	1.85E-07	3.19E-08	2.33E-08	8.45E-07
1824	495611.06	3859101.99	1.37E-03	1.40E-03	1.40E-03	4.74E-07	1.43E-06	8.29E-07	8.45E-07	7.66E-07	3.43E-07	3.49E-07	1.58E-08	3.82E-07	8.44E-08	1.15E-07	1.82E-07	3.15E-08	2.30E-08	8.34E-07
1825	495661.06	3859101.99	1.36E-03	1.39E-03	1.39E-03	4.72E-07	1.43E-06	8.25E-07	8.42E-07	7.63E-07	3.41E-07	3.48E-07	1.58E-08	3.81E-07	8.40E-08	1.14E-07	1.81E-07	3.13E-08	2.29E-08	8.30E-07
1826	494311.06	3859151.99	2.07E-03	2.11E-03	2.11E-03	7.17E-07	2.17E-06	1.25E-06	1.28E-06	1.16E-06	5.19E-07	5.29E-07	2.40E-08	5.79E-07	1.28E-07	1.74E-07	2.76E-07	4.76E-08	3.49E-08	1.26E-06
1827	494361.06	3859151.99	2.06E-03	2.10E-03	2.10E-03	7.12E-07	2.15E-06	1.24E-06	1.27E-06	1.15E-06	5.15E-07	5.25E-07	2.38E-08	5.74E-07	1.27E-07	1.72E-07	2.74E-07	4.72E-08	3.46E-08	1.25E-06
1828	494411.06	3859151.99	2.02E-03	2.06E-03	2.06E-03	7.00E-07	2.11E-06	1.22E-06	1.25E-06	1.13E-06	5.06E-07	5.16E-07	2.34E-08	5.65E-07	1.25E-07	1.69E-07	2.69E-07	4.64E-08	3.40E-08	1.23E-06
1829	494461.06	3859151.99	1.99E-03	2.03E-03	2.03E-03	6.88E-07	2.08E-06	1.20E-06	1.23E-06	1.11E-06	4.97E-07	5.07E-07	2.30E-08	5.55E-07	1.22E-07	1.67E-07	2.64E-07	4.56E-08	3.34E-08	1.21E-06
1830	494511.06	3859151.99	1.94E-03	1.98E-03	1.98E-03	6.73E-07	2.03E-06	1.18E-06	1.20E-06	1.09E-06	4.86E-07	4.96E-07	2.25E-08	5.43E-07	1.20E-07	1.63E-07	2.58E-07	4.46E-08	3.27E-08	1.18E-06
1831	494561.06	3859151.99	1.92E-03	1.96E-03	1.95E-03	6.63E-07	2.00E-06	1.16E-06	1.18E-06	1.07E-06	4.80E-07	4.89E-07	2.21E-08	5.35E-07	1.18E-07	1.61E-07	2.55E-07	4.40E-08	3.22E-08	1.17E-06
1832	494611.06	3859151.99	1.87E-03	1.91E-03	1.91E-03	6.49E-07	1.96E-06	1.13E-06	1.16E-06	1.05E-06	4.69E-07	4.78E-07	2.17E-08	5.23E-07	1.15E-07	1.57E-07	2.49E-07	4.30E-08	3.15E-08	1.14E-06
1833	494661.06	3859151.99	1.85E-03	1.88E-03	1.88E-03	6.39E-07	1.93E-06	1.12E-06	1.14E-06	1.03E-06	4.62E-07	4.71E-07	2.13E-08	5.15E-07	1.14E-07	1.55E-07	2.45E-07	4.24E-08	3.10E-08	1.12E-06
1834	494711.06	3859151.99	1.82E-03	1.86E-03	1.86E-03	6.30E-07	1.90E-06	1.10E-06	1.12E-06	1.02E-06	4.56E-07	4.64E-07	2.10E-08	5.08E-07	1.12E-07	1.53E-07	2.42E-07	4.18E-08	3.06E-08	1.11E-06
1835	494761.06	3859151.99	1.77E-03	1.81E-03	1.81E-03	6.14E-07	1.85E-06	1.07E-06	1.10E-06	9.93E-07	4.44E-07	4.53E-07	2.05E-08	4.95E-07	1.09E-07	1.49E-07	2.36E-07	4.07E-08	2.99E-08	1.08E-06
1836	494811.06	3859151.99	1.74E-03	1.77E-03	1.77E-03	6.01E-07	1.81E-06	1.05E-06	1.07E-06	9.71E-07	4.34E-07	4.43E-07	2.01E-08	4.85E-07	1.07E-07	1.45E-07	2.31E-07	3.99E-08	2.92E-08	1.06E-06
1837	494861.06	3859151.99	1.71E-03	1.74E-03	1.74E-03	5.92E-07	1.79E-06	1.03E-06	1.06E-06	9.57E-07	4.28E-07	4.36E-07	1.98E-08	4.77E-07	1.05E-07	1.43E-07	2.27E-07	3.93E-08	2.88E-08	1.04E-06
1838	494911.06	3859151.99	1.66E-03	1.70E-03	1.70E-03	5.76E-07	1.74E-06	1.01E-06	1.03E-06	9.31E-07	4.17E-07	4.25E-07	1.92E-08	4.65E-07	1.03E-07	1.40E-07	2.21E-07	3.82E-08	2.80E-08	1.01E-06
1839	494961.06	3859151.99	1.60E-03	1.63E-03	1.63E-03	5.54E-07	1.67E-06	9.69E-07	9.88E-07	8.96E-07	4.01E-07	4.08E-07	1.85E-08	4.47E-07	9.86E-08	1.34E-07	2.13E-07	3.68E-08	2.69E-08	9.75E-07
1840	495011.06	3859151.99	1.55E-03	1.59E-03	1.58E-03	5.38E-07	1.62E-06	9.40E-07	9.60E-07	8.70E-07	3.89E-07	3.96E-07	1.80E-08	4.34E-07	9.58E-08	1.30E-07	2.07E-07	3.57E-08	2.61E-08	9.46E-07
1841	495061.06	3859151.99	1.54E-03	1.58E-03	1.57E-03	5.35E-07	1.61E-06	9.34E-07	9.54E-07	8.64E-07	3.87E-07	3.94E-07	1.79E-08	4.31E-07	9.52E-08	1.29E-07	2.05E-07	3.55E-08	2.60E-08	9.40E-07
1842	495111.06	3859151.99	1.53E-03	1.56E-03	1.56E-03	5.30E-07	1.60E-06	9.26E-07	9.45E-07	8.56E-07	3.83E-07	3.90E-07	1.77E-08	4.27E-07	9.43E-08	1.28E-07	2.03E-07	3.51E-08	2.57E-08	9.32E-07
1843	495161.06	3859151.99	1.53E-03	1.57E-03	1.56E-03	5.31E-07	1.60E-06	9.28E-07	9.47E-07	8.59E-07	3.84E-07	3.91E-07	1.77E-08	4.28E-07	9.45E-08	1.29E-07	2.04E-07	3.52E-08	2.58E-08	9.34E-07
1844	495211.06	3859151.99	1.52E-03	1.55E-03	1.55E-03	5.27E-07	1.59E-06	9.21E-07	9.39E-07	8.52E-07	3.81E-07	3.88E-07	1.76E-08	4.25E-07	9.38E-08	1.28E-07	2.02E-07	3.49E-08	2.56E-08	9.27E-07
1845	495261.06	3859151.99	1.51E-03	1.54E-03	1.54E-03	5.23E-07	1.58E-06	9.13E-07	9.32E-07	8.45E-07	3.78E-07	3.85E-07	1.74E-08	4.21E-07	9.30E-08	1.27E-07	2.01E-07	3.47E-08	2.54E-08	9.19E-07
1846	495311.06	3859151.99	1.50E-03	1.53E-03	1.53E-03	5.19E-07	1.57E-06	9.08E-07	9.26E-07	8.39E-07	3.75E-07	3.83E-07	1.73E-08	4.19E-07	9.24E-08	1.26E-07	1.99E-07	3.44E-08	2.52E-08	9.13E-07
1847	495361.06	3859151.99	1.49E-03	1.52E-03	1.52E-03	5.15E-07	1.56E-06	9.01E-07	9.19E-07	8.33E-07	3.73E-07	3.80E-07	1.72E-08	4.16E-07	9.17E-08	1.25E-07	1.98E-07	3.42E-08	2.50E-08	9.07E-07
1848	495411.06	3859151.99	1.49E-03	1.52E-03	1.52E-03	5.16E-07	1.56E-06	9.02E-07	9.20E-07	8.34E-07	3.73E-07	3.80E-07	1.72E-08	4.16E-07	9.18E-08	1.25E-07	1.98E-07	3.42E-08	2.51E-08	9.08E-07
1849	495461.06	3859151.99	1.48E-03	1.51E-03	1.51E-03	5.13E-07	1.55E-06	8.96E-07	9.14E-07	8.29E-07	3.71E-07	3.78E-07	1.71E-08	4.13E-07	9.12E-08	1.24E-07	1.97E-07	3.40E-08	2.49E-08	9.02E-07
1850	495511.06	3859151.99	1.46E-03	1.49E-03	1.49E-03	5.05E-07	1.52E-06	8.83E-07	9.01E-07	8.17E-07	3.65E-07	3.72E-07	1.69E-08	4.07E-07	8.99E-08	1.22E-07	1.94E-07	3.35E-08	2.45E-08	8.88E-07
1851	495561.06	3859151.99	1.44E-03	1.47E-03	1.47E-03	4.99E-07	1.51E-06	8.73E-07	8.90E-07	8.07E-07	3.61E-07	3.68E-07	1.67E-08	4.03E-07	8.89E-08	1.21E-07	1.92E-07	3.31E-08	2.43E-08	8.78E-07
1852	495611.06	3859151.99	1.43E-03	1.46E-03	1.45E-03	4.94E-07	1.49E-06	8.64E-07	8.81E-07	7.99E-07	3.57E-07	3.64E-07	1.65E-08	3.99E-07	8.79E-08	1.20E-07	1.90E-07	3.28E-08	2.40E-08	8.69E-07
1853	495661.06	3859151.99	1.41E-03	1.44E-03	1.44E-03	4.90E-07	1.48E-06	8.56E-07	8.73E-07	7.91E-07	3.54E-07	3.61E-07	1.63E-08	3.95E-07	8.71E-08	1.19E-07	1.88E-07	3.25E-08	2.38E-08	8.61E-07
1854	494311.06	3859201.99	2.18E-03	2.22E-03	2.22E-03	7.54E-07	2.28E-06	1.32E-06	1.34E-06	1.22E-06	5.45E-07	5.56E-07	2.52E-08	6.08E-07	1.34E-07	1.83E-07	2.90E-07	5.00E-08	3.66E-08	1.33E-06
1855	494361.06	3859201.99	2.15E-03	2.20E-03	2.19E-03	7.45E-07	2.25E-06	1.30E-06	1.33E-06	1.20E-06	5.39E-07	5.49E-07	2.49E-08	6.01E-07	1.33E-07	1.80E-07	2.86E-07	4.94E-08	3.62E-08	1.31E-06
1856	494411.06	3859201.99	2.12E-03	2.16E-03	2.16E-03	7.34E-07	2.22E-06	1.28E-06	1.31E-06	1.19E-06	5.30E-07	5.41E-07	2.45E-08	5.92E-07	1.31E-07	1.78E-07	2.82E-07	4.87E-08	3.57E-08	1.29E-06
1857	494461.06	3859201.99	2.07E-03	2.12E-03	2.11E-03	7.18E-07	2.17E-06	1.25E-06	1.28E-06	1.16E-06	5.19E-07	5.29E-07	2.40E-08	5.79E-07	1.28E-07	1.74E-07	2.76E-07	4.76E-08	3.49E-08	1.26E-06
1858	494511.06	3859201.99	2.04E-03	2.08E-03	2.08E-03	7.07E-07	2.13E-06	1.24E-06	1.26E-06	1.14E-06	5.11E-07	5.21E-07	2.36E-08	5.70E-07	1.26E-07	1.71E-07	2.72E-07	4.69E-08	3.44E-08	1.24E-06
1859	494561.06	3859201.99	1.99E-03	2.03E-03	2.03E-03	6.90E-07	2.08E-06	1.21E-06	1.23E-06	1.12E-06	4.99E-07	5.08E-07	2.30E-08	5.56E-07	1.23E-07	1.67E-07	2.65E-07	4.58E-08	3.35E-08	1.21E-06
1860	494611.06	3859201.99	1.95E-03	1.99E-03	1.99E-03	6.77E-07	2.04E-06	1.18E-06	1.21E-06	1.09E-06	4.89E-07	4.99E-07	2.26E-08	5.46E-07	1.20E-07	1.64E-07	2.60E-07	4.49E-08	3.29E-08	1.19E-06
1861	494661.06	3859201.99	1.92E-03	1.96E-03	1.96E-03	6.66E-07	2.01E-06	1.16E-06	1.19E-06	1.08E-06	4.81E-07	4.91E-07	2.22E-08	5.37E-07	1.19E-07	1.61E-07	2.56E-07	4.42E-08	3.24E-08	1.17E-06
1862	494711.06	3859201.99	1.89E-03	1.93E-03	1.93E-03	6.55E-07	1.98E-06	1.15E-06	1.17E-06	1.06E-06	4.74E-07	4.83E-07	2.19E-08	5.29E-07	1.17E-07	1.59E-07	2.52E-07	4.35E-08	3.18E-08	1.15E-06
1863	494761.06	3859201.99	1.85E-03	1.88E-03	1.88E-03	6.39E-07	1.93E-06	1.12E-06	1.14E-06	1.03E-06	4.62E-07	4.71E-07	2.13E-08	5.15E-07	1.14E-07	1.55E-07	2.45E-07	4.24E-08	3.11E-08	1.12E-06
1864	494811.06	3859201.99	1.81E-03	1.84E-03	1.84E-03	6.26E-07	1.89E-06	1.09E-06	1.12E-06	1.01E-06	4.52E-07	4.61E-07	2.09E-08	5.05E-07	1.11E-07	1.52E-07	2.40E-07	4.15E-08	3.04E-08	1.10E-06
1865	494861.06	3859201.99	1.76E-03	1.79E-03	1.79E-03	6.09E-07	1.84E-06	1.06E-06	1.09E-06	9.84E-07	4.40E-07	4.49E-07	2.03E-08	4.91E-07	1.08E-07	1.47E-07	2.34E-07	4.04E-08	2.96E-08	1.07E-06
1866	494911.06	3859201.99	1.71E-03	1.75E-03	1.75E-03	5.93E-07	1.79E-06	1.04E-06	1.06E-06	9.58E-07	4.29E-07	4.37E-07	1.98E-08	4.78E-07	1.05E-07	1.44E-07	2.28E-07	3.93E-08	2.88E-08	1.04E-06
1867	494961.06	3859201.99	1.66E-03	1.69E-03	1.69E-03	5.74E-07	1.73E-06	1.00E-06	1.02E-06	9.29E-07	4.15E-07	4.23E-07	1.92E-08	4.63E-07	1.02E-07	1.39E-07	2.21E-07	3.81E-08	2.79E-08	1.01E-06
1868	495011.06	3859201.99	1.59E-03	1.63E-03	1.62E-03	5.52E-07	1.67E-06	9.64E-07	9.84E-07	8.92E-07	3.99E-07	4.06E-07	1.84E-08	4.45E-07	9.82E-08	1.34E-07	2.12E-07	3.66E-08	2.68E-08	9.70E-07
1869	495061.06	3859201.99	1.61E-03	1.64E-03	1.64E-03	5.57E-07	1.68E-06	9.74E-07	9.94E-07	9.01E-07	4.03E-07	4.10E-07	1.86E-08	4.49E-07	9.91E-08	1.35E-07	2.14E-07	3.70E-08	2.71E-08	9.80E-07
1870	495111.06	3859201.99	1.60E-03	1.63E-03	1.63E-03	5.54E-07	1.67E-06	9.69E-07	9.89E-07	8.97E-07	4.01E-07	4.09E-07	1.85E-08	4.47E-07	9.87E-08	1.34E-07	2.13E-07	3.68E-08	2.70E-08	9.75E-07
1871	495161.06	3859201.99	1.59E-03	1.62E-03	1.62E-03	5.51E-07	1.66E-06	9.63E-07	9.83E-07	8.91E-07	3.98E-07	4.06E-07	1.84E-08	4.44E-07	9.81E-08	1.33E-07	2.12E-07	3.66E-08	2.68E-08	9.69E-07
1872	495211.06	3859201.99	1.57E-03	1.61E-03	1.60E-03	5.45E-07	1.64E-06	9.52E-07	9.71E-07	8.81E-07	3.94E-07	4.01E-07	1.82E-08	4.39E-07	9.69E-08	1.32E-07	2.09E-07	3.61E-08	2.65E-08	9.58E-07
1873	495261.06	3859201.99	1.57E-03	1.60E-03	1.60E-03	5.42E-07	1.64E-06	9.48E-07	9.68E-07	8.77E-07	3.92E-07	4.00E-07	1.81E-08	4.38E-07	9.65E-08	1.31E-07	2.08E-07	3.60E-08	2.64E-08	9.54E-07
1874	495311.06	3859201.99	1.56E-03	1.59E-03	1.59E-03	5.39E-07	1.63E-06	9.42E-07	9.61E-07	8.71E-07	3.90E-07	3.97E-07	1.80E-08	4.35E-07	9.59E-08	1.30E-07	2.07E-07	3.58E-08	2.62E-08	9.48E-07

1875	495361.06	3859201.99	1.55E-03	1.58E-03	1.58E-03	5.36E-07	1.62E-06	9.37E-07	9.56E-07	8.66E-07	3.87E-07	3.95E-07	1.79E-08	4.32E-07	9.54E-08	1.30E-07	2.06E-07	3.56E-08	2.60E-08	9.43E-07
1876	495411.06	3859201.99	1.55E-03	1.58E-03	1.58E-03	5.36E-07	1.62E-06	9.36E-07	9.56E-07	8.66E-07	3.87E-07	3.95E-07	1.79E-08	4.32E-07	9.54E-08	1.30E-07	2.06E-07	3.55E-08	2.60E-08	9.42E-07
1877	495461.06	3859201.99	1.53E-03	1.56E-03	1.56E-03	5.31E-07	1.60E-06	9.28E-07	9.47E-07	8.58E-07	3.84E-07	3.91E-07	1.77E-08	4.28E-07	9.45E-08	1.29E-07	2.04E-07	3.52E-08	2.58E-08	9.34E-07
1878	495511.06	3859201.99	1.52E-03	1.55E-03	1.55E-03	5.26E-07	1.59E-06	9.20E-07	9.38E-07	8.51E-07	3.80E-07	3.88E-07	1.76E-08	4.24E-07	9.36E-08	1.27E-07	2.02E-07	3.49E-08	2.56E-08	9.26E-07
1879	495561.06	3859201.99	1.50E-03	1.53E-03	1.52E-03	5.18E-07	1.56E-06	9.05E-07	9.23E-07	8.37E-07	3.74E-07	3.81E-07	1.73E-08	4.18E-07	9.21E-08	1.25E-07	1.99E-07	3.43E-08	2.52E-08	9.11E-07
1880	495611.06	3859201.99	1.48E-03	1.51E-03	1.51E-03	5.11E-07	1.54E-06	8.94E-07	9.12E-07	8.27E-07	3.70E-07	3.77E-07	1.71E-08	4.12E-07	9.10E-08	1.24E-07	1.96E-07	3.39E-08	2.48E-08	8.99E-07
1881	495661.06	3859201.99	1.46E-03	1.49E-03	1.49E-03	5.07E-07	1.53E-06	8.85E-07	9.03E-07	8.19E-07	3.66E-07	3.73E-07	1.69E-08	4.09E-07	9.02E-08	1.23E-07	1.95E-07	3.36E-08	2.46E-08	8.91E-07
1882	494311.06	3859251.99	2.29E-03	2.34E-03	2.33E-03	7.93E-07	2.39E-06	1.39E-06	1.41E-06	1.28E-06	5.73E-07	5.84E-07	2.65E-08	6.39E-07	1.41E-07	1.92E-07	3.05E-07	5.26E-08	3.85E-08	1.39E-06
1883	494361.06	3859251.99	2.25E-03	2.30E-03	2.29E-03	7.79E-07	2.35E-06	1.36E-06	1.39E-06	1.26E-06	5.63E-07	5.74E-07	2.60E-08	6.28E-07	1.39E-07	1.89E-07	2.99E-07	5.17E-08	3.79E-08	1.37E-06
1884	494411.06	3859251.99	2.20E-03	2.24E-03	2.24E-03	7.61E-07	2.30E-06	1.33E-06	1.36E-06	1.23E-06	5.50E-07	5.61E-07	2.54E-08	6.14E-07	1.35E-07	1.84E-07	2.92E-07	5.05E-08	3.70E-08	1.34E-06
1885	494461.06	3859251.99	2.16E-03	2.21E-03	2.20E-03	7.49E-07	2.26E-06	1.31E-06	1.34E-06	1.21E-06	5.41E-07	5.52E-07	2.50E-08	6.04E-07	1.33E-07	1.81E-07	2.88E-07	4.97E-08	3.64E-08	1.32E-06
1886	494511.06	3859251.99	2.11E-03	2.15E-03	2.15E-03	7.30E-07	2.21E-06	1.28E-06	1.30E-06	1.18E-06	5.28E-07	5.38E-07	2.44E-08	5.89E-07	1.30E-07	1.77E-07	2.81E-07	4.85E-08	3.55E-08	1.28E-06
1887	494561.06	3859251.99	2.07E-03	2.12E-03	2.11E-03	7.18E-07	2.17E-06	1.25E-06	1.28E-06	1.16E-06	5.19E-07	5.29E-07	2.40E-08	5.79E-07	1.28E-07	1.74E-07	2.76E-07	4.76E-08	3.49E-08	1.26E-06
1888	494611.06	3859251.99	2.03E-03	2.07E-03	2.07E-03	7.02E-07	2.12E-06	1.23E-06	1.25E-06	1.14E-06	5.08E-07	5.18E-07	2.35E-08	5.67E-07	1.25E-07	1.70E-07	2.70E-07	4.66E-08	3.41E-08	1.24E-06
1889	494661.06	3859251.99	2.00E-03	2.04E-03	2.04E-03	6.93E-07	2.09E-06	1.21E-06	1.24E-06	1.12E-06	5.01E-07	5.11E-07	2.32E-08	5.59E-07	1.23E-07	1.68E-07	2.66E-07	4.60E-08	3.37E-08	1.22E-06
1890	494711.06	3859251.99	1.97E-03	2.01E-03	2.01E-03	6.82E-07	2.06E-06	1.19E-06	1.22E-06	1.10E-06	4.93E-07	5.02E-07	2.28E-08	5.50E-07	1.21E-07	1.65E-07	2.62E-07	4.52E-08	3.31E-08	1.20E-06
1891	494761.06	3859251.99	1.89E-03	1.93E-03	1.93E-03	6.54E-07	1.97E-06	1.14E-06	1.17E-06	1.06E-06	4.73E-07	4.82E-07	2.18E-08	5.28E-07	1.16E-07	1.58E-07	2.51E-07	4.34E-08	3.18E-08	1.15E-06
1892	494811.06	3859251.99	1.88E-03	1.92E-03	1.92E-03	6.51E-07	1.96E-06	1.14E-06	1.16E-06	1.05E-06	4.70E-07	4.79E-07	2.17E-08	5.25E-07	1.16E-07	1.58E-07	2.50E-07	4.32E-08	3.16E-08	1.14E-06
1893	494861.06	3859251.99	1.81E-03	1.84E-03	1.84E-03	6.25E-07	1.89E-06	1.09E-06	1.12E-06	1.01E-06	4.52E-07	4.61E-07	2.09E-08	5.04E-07	1.11E-07	1.51E-07	2.40E-07	4.15E-08	3.04E-08	1.10E-06
1894	494911.06	3859251.99	1.76E-03	1.80E-03	1.79E-03	6.09E-07	1.84E-06	1.07E-06	1.09E-06	9.85E-07	4.41E-07	4.49E-07	2.03E-08	4.92E-07	1.08E-07	1.48E-07	2.34E-07	4.04E-08	2.96E-08	1.07E-06
1895	494961.06	3859251.99	1.73E-03	1.76E-03	1.76E-03	5.99E-07	1.81E-06	1.05E-06	1.07E-06	9.68E-07	4.33E-07	4.41E-07	2.00E-08	4.83E-07	1.07E-07	1.45E-07	2.30E-07	3.97E-08	2.91E-08	1.05E-06
1896	495011.06	3859251.99	1.69E-03	1.73E-03	1.73E-03	5.86E-07	1.77E-06	1.02E-06	1.05E-06	9.48E-07	4.24E-07	4.32E-07	1.96E-08	4.73E-07	1.04E-07	1.42E-07	2.25E-07	3.89E-08	2.85E-08	1.03E-06
1897	495061.06	3859251.99	1.69E-03	1.72E-03	1.72E-03	5.84E-07	1.76E-06	1.02E-06	1.04E-06	9.45E-07	4.23E-07	4.31E-07	1.95E-08	4.71E-07	1.04E-07	1.42E-07	2.25E-07	3.88E-08	2.84E-08	1.03E-06
1898	495111.06	3859251.99	1.67E-03	1.70E-03	1.70E-03	5.78E-07	1.75E-06	1.01E-06	1.03E-06	9.35E-07	4.18E-07	4.26E-07	1.93E-08	4.66E-07	1.03E-07	1.40E-07	2.22E-07	3.84E-08	2.81E-08	1.02E-06
1899	495161.06	3859251.99	1.66E-03	1.69E-03	1.69E-03	5.74E-07	1.73E-06	1.00E-06	1.02E-06	9.28E-07	4.15E-07	4.23E-07	1.92E-08	4.63E-07	1.02E-07	1.39E-07	2.21E-07	3.81E-08	2.79E-08	1.01E-06
1900	495211.06	3859251.99	1.64E-03	1.67E-03	1.67E-03	5.68E-07	1.71E-06	9.92E-07	1.01E-06	9.18E-07	4.10E-07	4.18E-07	1.90E-08	4.58E-07	1.01E-07	1.37E-07	2.18E-07	3.77E-08	2.76E-08	9.99E-07
1901	495261.06	3859251.99	1.62E-03	1.66E-03	1.65E-03	5.62E-07	1.70E-06	9.82E-07	1.00E-06	9.08E-07	4.06E-07	4.14E-07	1.88E-08	4.53E-07	1.00E-07	1.36E-07	2.16E-07	3.73E-08	2.73E-08	9.88E-07
1902	495311.06	3859251.99	1.62E-03	1.66E-03	1.65E-03	5.62E-07	1.70E-06	9.82E-07	1.00E-06	9.08E-07	4.06E-07	4.14E-07	1.88E-08	4.53E-07	1.00E-07	1.36E-07	2.16E-07	3.73E-08	2.73E-08	9.88E-07
1903	495361.06	3859251.99	1.61E-03	1.64E-03	1.64E-03	5.57E-07	1.68E-06	9.74E-07	9.94E-07	9.01E-07	4.03E-07	4.11E-07	1.86E-08	4.49E-07	9.92E-08	1.35E-07	2.14E-07	3.70E-08	2.71E-08	9.80E-07
1904	495411.06	3859251.99	1.61E-03	1.64E-03	1.64E-03	5.56E-07	1.68E-06	9.72E-07	9.92E-07	8.99E-07	4.02E-07	4.10E-07	1.86E-08	4.48E-07	9.90E-08	1.35E-07	2.14E-07	3.69E-08	2.70E-08	9.78E-07
1905	495461.06	3859251.99	1.59E-03	1.62E-03	1.62E-03	5.51E-07	1.66E-06	9.63E-07	9.83E-07	8.91E-07	3.98E-07	4.06E-07	1.84E-08	4.45E-07	9.81E-08	1.33E-07	2.12E-07	3.66E-08	2.68E-08	9.70E-07
1906	495511.06	3859251.99	1.57E-03	1.60E-03	1.60E-03	5.42E-07	1.64E-06	9.47E-07	9.67E-07	8.76E-07	3.92E-07	3.99E-07	1.81E-08	4.37E-07	9.65E-08	1.31E-07	2.08E-07	3.60E-08	2.63E-08	9.54E-07
1907	495561.06	3859251.99	1.55E-03	1.58E-03	1.58E-03	5.36E-07	1.62E-06	9.37E-07	9.56E-07	8.67E-07	3.88E-07	3.95E-07	1.79E-08	4.33E-07	9.54E-08	1.30E-07	2.06E-07	3.56E-08	2.61E-08	9.43E-07
1908	495611.06	3859251.99	1.53E-03	1.56E-03	1.56E-03	5.28E-07	1.60E-06	9.23E-07	9.42E-07	8.54E-07	3.82E-07	3.89E-07	1.76E-08	4.26E-07	9.40E-08	1.28E-07	2.03E-07	3.51E-08	2.57E-08	9.29E-07
1909	495661.06	3859251.99	1.51E-03	1.54E-03	1.54E-03	5.22E-07	1.58E-06	9.13E-07	9.32E-07	8.45E-07	3.78E-07	3.85E-07	1.74E-08	4.21E-07	9.30E-08	1.27E-07	2.01E-07	3.47E-08	2.54E-08	9.19E-07
1910	494311.06	3859301.99	2.40E-03	2.45E-03	2.45E-03	8.31E-07	2.51E-06	1.45E-06	1.48E-06	1.34E-06	6.01E-07	6.13E-07	2.78E-08	6.71E-07	1.48E-07	2.01E-07	3.19E-07	5.52E-08	4.04E-08	1.46E-06
1911	494361.06	3859301.99	2.36E-03	2.40E-03	2.40E-03	8.16E-07	2.46E-06	1.43E-06	1.45E-06	1.32E-06	5.90E-07	6.01E-07	2.72E-08	6.58E-07	1.45E-07	1.97E-07	3.13E-07	5.41E-08	3.96E-08	1.43E-06
1912	494411.06	3859301.99	2.30E-03	2.35E-03	2.34E-03	7.96E-07	2.40E-06	1.39E-06	1.42E-06	1.29E-06	5.76E-07	5.87E-07	2.66E-08	6.42E-07	1.42E-07	1.93E-07	3.06E-07	5.28E-08	3.87E-08	1.40E-06
1913	494461.06	3859301.99	2.24E-03	2.29E-03	2.29E-03	7.77E-07	2.35E-06	1.36E-06	1.39E-06	1.26E-06	5.62E-07	5.73E-07	2.59E-08	6.27E-07	1.38E-07	1.88E-07	2.99E-07	5.16E-08	3.78E-08	1.37E-06
1914	494511.06	3859301.99	2.20E-03	2.24E-03	2.24E-03	7.61E-07	2.30E-06	1.33E-06	1.36E-06	1.23E-06	5.50E-07	5.60E-07	2.54E-08	6.14E-07	1.35E-07	1.84E-07	2.92E-07	5.05E-08	3.70E-08	1.34E-06
1915	494561.06	3859301.99	2.16E-03	2.20E-03	2.20E-03	7.47E-07	2.26E-06	1.31E-06	1.33E-06	1.21E-06	5.40E-07	5.51E-07	2.50E-08	6.03E-07	1.33E-07	1.81E-07	2.87E-07	4.96E-08	3.63E-08	1.32E-06
1916	494611.06	3859301.99	2.12E-03	2.16E-03	2.16E-03	7.33E-07	2.21E-06	1.28E-06	1.31E-06	1.19E-06	5.30E-07	5.40E-07	2.45E-08	5.91E-07	1.30E-07	1.78E-07	2.82E-07	4.86E-08	3.56E-08	1.29E-06
1917	494661.06	3859301.99	2.08E-03	2.12E-03	2.12E-03	7.20E-07	2.17E-06	1.26E-06	1.28E-06	1.16E-06	5.20E-07	5.30E-07	2.40E-08	5.80E-07	1.28E-07	1.74E-07	2.76E-07	4.77E-08	3.50E-08	1.27E-06
1918	494711.06	3859301.99	2.03E-03	2.07E-03	2.07E-03	7.04E-07	2.13E-06	1.23E-06	1.26E-06	1.14E-06	5.09E-07	5.19E-07	2.35E-08	5.68E-07	1.25E-07	1.70E-07	2.70E-07	4.67E-08	3.42E-08	1.24E-06
1919	494761.06	3859301.99	1.99E-03	2.03E-03	2.03E-03	6.90E-07	2.08E-06	1.21E-06	1.23E-06	1.12E-06	4.99E-07	5.08E-07	2.30E-08	5.57E-07	1.23E-07	1.67E-07	2.65E-07	4.58E-08	3.35E-08	1.21E-06
1920	494811.06	3859301.99	1.94E-03	1.98E-03	1.98E-03	6.71E-07	2.03E-06	1.17E-06	1.20E-06	1.09E-06	4.85E-07	4.95E-07	2.24E-08	5.42E-07	1.20E-07	1.63E-07	2.58E-07	4.46E-08	3.26E-08	1.18E-06
1921	494861.06	3859301.99	1.87E-03	1.91E-03	1.91E-03	6.48E-07	1.96E-06	1.13E-06	1.16E-06	1.05E-06	4.68E-07	4.77E-07	2.16E-08	5.22E-07	1.15E-07	1.57E-07	2.49E-07	4.30E-08	3.15E-08	1.14E-06
1922	494911.06	3859301.99	1.83E-03	1.87E-03	1.87E-03	6.35E-07	1.92E-06	1.11E-06	1.13E-06	1.03E-06	4.59E-07	4.68E-07	2.12E-08	5.12E-07	1.13E-07	1.54E-07	2.44E-07	4.21E-08	3.09E-08	1.12E-06
1923	494961.06	3859301.99	1.77E-03	1.80E-03	1.80E-03	6.12E-07	1.85E-06	1.07E-06	1.09E-06	9.89E-07	4.42E-07	4.51E-07	2.04E-08	4.93E-07	1.09E-07	1.48E-07	2.35E-07	4.06E-08	2.97E-08	1.08E-06
1924	495011.06	3859301.99	1.74E-03	1.78E-03	1.77E-03	6.02E-07	1.82E-06	1.05E-06	1.07E-06	9.74E-07	4.35E-07	4.44E-07	2.01E-08	4.86E-07	1.07E-07	1.46E-07	2.31E-07	4.00E-08	2.93E-08	1.06E-06
1925	495061.06	3859301.99	1.75E-03	1.79E-03	1.79E-03	6.06E-07	1.83E-06	1.06E-06	1.08E-06	9.80E-07	4.38E-07	4.47E-07	2.02E-08	4.89E-07	1.08E-07	1.47E-07	2.33E-07	4.02E-08	2.95E-08	1.07E-06
1926	495111.06	3859301.99	1.72E-03	1.76E-03	1.75E-03	5.96E-07	1.80E-06	1.04E-06	1.06E-06	9.63E-07	4.31E-07	4.39E-07	1.99E-08	4.80E-07	1.06E-07	1.44E-07	2.29E-07	3.95E-08	2.89E-08	1.05E-06
1927	495161.06	3859301.99	1.71E-03	1.75E-03	1.74E-03	5.93E-07	1.79E-06	1.04E-06	1.06E-06	9.58E-07	4.28E-07	4.37E-07	1.98E-08	4.78E-07	1.05E-07	1.43E-07	2.28E-07	3.93E-08	2.88E-08	1.04E-06
1928	495211.06	3859301.99	1.71E-03	1.75E-03	1.74E-03	5.92E-07	1.79E-06	1.04E-06	1.06E-06	9.58E-07	4.28E-07	4.36E-07	1.98E-08	4.78E-07	1.05E-07	1.43E-07	2.28E-07	3.93E-08	2.88E-08	1.04E-06
1929	495261.06	3859301.99	1.70E-03	1.74E-03	1.73E-03	5.89E-07	1.78E-06	1.03E-06	1.05E-06	9.53E-07	4.26E-07	4.34E-07	1.97E-08	4.75E-07	1.05E-07	1.43E-07	2.26E-07	3.91E-08	2.86E-08	1.04E-06
1930	495311.06	3859301.99	1.68E-03	1.71E-03	1.71E-03	5.80E-07	1.75E-06	1.01E-06	1.04E-06	9.38E-07	4.20E-07	4.28E-07	1.94E-08	4.68E-07	1.03E-07	1.41E-07	2.23E-07	3.85E-08	2.82E-08	1.02E-06
1931	495361.06	3859301.99	1.67E-03	1.70E-03	1.70E-03	5.78E-07	1.75E-06	1.01E-06	1.03E-06	9.35E-07	4.18E-07	4.26E-07	1.93E-08	4.67E-07	1.03E-07	1.40E-07	2.22E-07	3.84E-08	2.81E-08	1.02E-06

1932	495411.06	3859301.99	1.66E-03	1.69E-03	1.69E-03	5.74E-07	1.73E-06	1.00E-06	1.02E-06	9.28E-07	4.15E-07	4.23E-07	1.92E-08	4.63E-07	1.02E-07	1.39E-07	2.21E-07	3.81E-08	2.79E-08	1.01E-06
1933	495461.06	3859301.99	1.65E-03	1.68E-03	1.68E-03	5.71E-07	1.72E-06	9.98E-07	1.02E-06	9.23E-07	4.13E-07	4.21E-07	1.91E-08	4.60E-07	1.02E-07	1.38E-07	2.19E-07	3.79E-08	2.77E-08	1.00E-06
1934	495511.06	3859301.99	1.63E-03	1.66E-03	1.66E-03	5.63E-07	1.70E-06	9.83E-07	1.00E-06	9.10E-07	4.07E-07	4.15E-07	1.88E-08	4.54E-07	1.00E-07	1.36E-07	2.16E-07	3.73E-08	2.73E-08	9.90E-07
1935	495561.06	3859301.99	1.59E-03	1.62E-03	1.62E-03	5.51E-07	1.66E-06	9.63E-07	9.83E-07	8.91E-07	3.98E-07	4.06E-07	1.84E-08	4.44E-07	9.81E-08	1.33E-07	2.12E-07	3.66E-08	2.68E-08	9.69E-07
1936	495611.06	3859301.99	1.57E-03	1.61E-03	1.60E-03	5.45E-07	1.65E-06	9.53E-07	9.72E-07	8.81E-07	3.94E-07	4.02E-07	1.82E-08	4.40E-07	9.70E-08	1.32E-07	2.09E-07	3.62E-08	2.65E-08	9.59E-07
1937	495661.06	3859301.99	1.56E-03	1.59E-03	1.59E-03	5.39E-07	1.63E-06	9.42E-07	9.61E-07	8.71E-07	3.90E-07	3.97E-07	1.80E-08	4.35E-07	9.59E-08	1.30E-07	2.07E-07	3.58E-08	2.62E-08	9.48E-07
1938	494311.06	3859351.99	2.50E-03	2.55E-03	2.55E-03	8.66E-07	2.62E-06	1.51E-06	1.55E-06	1.40E-06	6.26E-07	6.38E-07	2.89E-08	6.99E-07	1.54E-07	2.10E-07	3.33E-07	5.75E-08	4.21E-08	1.52E-06
1939	494361.06	3859351.99	2.45E-03	2.50E-03	2.50E-03	8.49E-07	2.56E-06	1.48E-06	1.51E-06	1.37E-06	6.14E-07	6.26E-07	2.83E-08	6.85E-07	1.51E-07	2.06E-07	3.26E-07	5.63E-08	4.13E-08	1.49E-06
1940	494411.06	3859351.99	2.39E-03	2.44E-03	2.43E-03	8.26E-07	2.49E-06	1.44E-06	1.47E-06	1.34E-06	5.97E-07	6.09E-07	2.76E-08	6.67E-07	1.47E-07	2.00E-07	3.17E-07	5.48E-08	4.02E-08	1.45E-06
1941	494461.06	3859351.99	2.33E-03	2.38E-03	2.38E-03	8.07E-07	2.44E-06	1.41E-06	1.44E-06	1.31E-06	5.84E-07	5.95E-07	2.70E-08	6.51E-07	1.44E-07	1.95E-07	3.10E-07	5.36E-08	3.92E-08	1.42E-06
1942	494511.06	3859351.99	2.28E-03	2.33E-03	2.33E-03	7.90E-07	2.39E-06	1.38E-06	1.41E-06	1.28E-06	5.71E-07	5.82E-07	2.64E-08	6.37E-07	1.41E-07	1.91E-07	3.04E-07	5.24E-08	3.84E-08	1.39E-06
1943	494561.06	3859351.99	2.25E-03	2.29E-03	2.29E-03	7.77E-07	2.35E-06	1.36E-06	1.39E-06	1.26E-06	5.62E-07	5.73E-07	2.60E-08	6.27E-07	1.38E-07	1.88E-07	2.99E-07	5.16E-08	3.78E-08	1.37E-06
1944	494611.06	3859351.99	2.20E-03	2.25E-03	2.25E-03	7.63E-07	2.30E-06	1.33E-06	1.36E-06	1.23E-06	5.51E-07	5.62E-07	2.55E-08	6.15E-07	1.36E-07	1.85E-07	2.93E-07	5.06E-08	3.71E-08	1.34E-06
1945	494661.06	3859351.99	2.16E-03	2.20E-03	2.20E-03	7.48E-07	2.26E-06	1.31E-06	1.33E-06	1.21E-06	5.41E-07	5.51E-07	2.50E-08	6.03E-07	1.33E-07	1.81E-07	2.87E-07	4.96E-08	3.63E-08	1.32E-06
1946	494711.06	3859351.99	2.11E-03	2.15E-03	2.15E-03	7.30E-07	2.20E-06	1.28E-06	1.30E-06	1.18E-06	5.28E-07	5.38E-07	2.44E-08	5.89E-07	1.30E-07	1.77E-07	2.80E-07	4.84E-08	3.55E-08	1.28E-06
1947	494761.06	3859351.99	2.04E-03	2.08E-03	2.08E-03	7.05E-07	2.13E-06	1.23E-06	1.26E-06	1.14E-06	5.10E-07	5.19E-07	2.35E-08	5.69E-07	1.25E-07	1.71E-07	2.71E-07	4.68E-08	3.43E-08	1.24E-06
1948	494811.06	3859351.99	1.97E-03	2.01E-03	2.01E-03	6.81E-07	2.06E-06	1.19E-06	1.21E-06	1.10E-06	4.92E-07	5.02E-07	2.27E-08	5.49E-07	1.21E-07	1.65E-07	2.62E-07	4.52E-08	3.31E-08	1.20E-06
1949	494861.06	3859351.99	1.93E-03	1.97E-03	1.97E-03	6.70E-07	2.02E-06	1.17E-06	1.19E-06	1.08E-06	4.84E-07	4.93E-07	2.24E-08	5.40E-07	1.19E-07	1.62E-07	2.57E-07	4.44E-08	3.25E-08	1.18E-06
1950	494911.06	3859351.99	1.91E-03	1.95E-03	1.95E-03	6.61E-07	2.00E-06	1.16E-06	1.18E-06	1.07E-06	4.78E-07	4.87E-07	2.21E-08	5.33E-07	1.18E-07	1.60E-07	2.54E-07	4.39E-08	3.21E-08	1.16E-06
1951	494961.06	3859351.99	1.87E-03	1.91E-03	1.91E-03	6.48E-07	1.96E-06	1.13E-06	1.16E-06	1.05E-06	4.69E-07	4.78E-07	2.16E-08	5.23E-07	1.15E-07	1.57E-07	2.49E-07	4.30E-08	3.15E-08	1.14E-06
1952	495011.06	3859351.99	1.84E-03	1.88E-03	1.88E-03	6.39E-07	1.93E-06	1.12E-06	1.14E-06	1.03E-06	4.62E-07	4.71E-07	2.13E-08	5.15E-07	1.14E-07	1.55E-07	2.45E-07	4.24E-08	3.10E-08	1.12E-06
1953	495061.06	3859351.99	1.85E-03	1.89E-03	1.88E-03	6.40E-07	1.93E-06	1.12E-06	1.14E-06	1.03E-06	4.63E-07	4.72E-07	2.14E-08	5.16E-07	1.14E-07	1.55E-07	2.46E-07	4.25E-08	3.11E-08	1.13E-06
1954	495111.06	3859351.99	1.82E-03	1.86E-03	1.85E-03	6.30E-07	1.90E-06	1.10E-06	1.12E-06	1.02E-06	4.55E-07	4.64E-07	2.10E-08	5.08E-07	1.12E-07	1.52E-07	2.42E-07	4.18E-08	3.06E-08	1.11E-06
1955	495161.06	3859351.99	1.80E-03	1.84E-03	1.84E-03	6.24E-07	1.88E-06	1.09E-06	1.11E-06	1.01E-06	4.51E-07	4.59E-07	2.08E-08	5.03E-07	1.11E-07	1.51E-07	2.40E-07	4.14E-08	3.03E-08	1.10E-06
1956	495211.06	3859351.99	1.78E-03	1.82E-03	1.82E-03	6.17E-07	1.86E-06	1.08E-06	1.10E-06	9.98E-07	4.46E-07	4.55E-07	2.06E-08	4.98E-07	1.10E-07	1.49E-07	2.37E-07	4.09E-08	3.00E-08	1.09E-06
1957	495261.06	3859351.99	1.77E-03	1.81E-03	1.81E-03	6.13E-07	1.85E-06	1.07E-06	1.09E-06	9.92E-07	4.43E-07	4.52E-07	2.05E-08	4.95E-07	1.09E-07	1.49E-07	2.36E-07	4.07E-08	2.98E-08	1.08E-06
1958	495311.06	3859351.99	1.75E-03	1.78E-03	1.78E-03	6.05E-07	1.83E-06	1.06E-06	1.08E-06	9.78E-07	4.37E-07	4.46E-07	2.02E-08	4.88E-07	1.08E-07	1.46E-07	2.32E-07	4.01E-08	2.94E-08	1.06E-06
1959	495361.06	3859351.99	1.73E-03	1.77E-03	1.76E-03	5.99E-07	1.81E-06	1.05E-06	1.07E-06	9.68E-07	4.33E-07	4.41E-07	2.00E-08	4.83E-07	1.07E-07	1.45E-07	2.30E-07	3.97E-08	2.91E-08	1.05E-06
1960	495411.06	3859351.99	1.72E-03	1.75E-03	1.75E-03	5.95E-07	1.80E-06	1.04E-06	1.06E-06	9.62E-07	4.30E-07	4.38E-07	1.99E-08	4.80E-07	1.06E-07	1.44E-07	2.29E-07	3.95E-08	2.89E-08	1.05E-06
1961	495461.06	3859351.99	1.71E-03	1.75E-03	1.74E-03	5.92E-07	1.79E-06	1.04E-06	1.06E-06	9.58E-07	4.28E-07	4.36E-07	1.98E-08	4.78E-07	1.05E-07	1.43E-07	2.28E-07	3.93E-08	2.88E-08	1.04E-06
1962	495511.06	3859351.99	1.68E-03	1.71E-03	1.71E-03	5.82E-07	1.76E-06	1.02E-06	1.04E-06	9.40E-07	4.20E-07	4.29E-07	1.94E-08	4.69E-07	1.04E-07	1.41E-07	2.23E-07	3.86E-08	2.83E-08	1.02E-06
1963	495561.06	3859351.99	1.66E-03	1.69E-03	1.69E-03	5.73E-07	1.73E-06	1.00E-06	1.02E-06	9.27E-07	4.14E-07	4.22E-07	1.91E-08	4.62E-07	1.02E-07	1.39E-07	2.20E-07	3.80E-08	2.79E-08	1.01E-06
1964	495611.06	3859351.99	1.64E-03	1.67E-03	1.67E-03	5.67E-07	1.71E-06	9.90E-07	1.01E-06	9.16E-07	4.10E-07	4.17E-07	1.89E-08	4.57E-07	1.01E-07	1.37E-07	2.18E-07	3.76E-08	2.75E-08	9.97E-07
1965	495661.06	3859351.99	1.61E-03	1.64E-03	1.64E-03	5.56E-07	1.68E-06	9.72E-07	9.92E-07	8.99E-07	4.02E-07	4.10E-07	1.86E-08	4.49E-07	9.90E-08	1.35E-07	2.14E-07	3.69E-08	2.70E-08	9.78E-07
1966	494311.06	3859401.99	2.62E-03	2.67E-03	2.67E-03	9.07E-07	2.74E-06	1.59E-06	1.62E-06	1.47E-06	6.56E-07	6.69E-07	3.03E-08	7.32E-07	1.61E-07	2.20E-07	3.49E-07	6.02E-08	4.41E-08	1.60E-06
1967	494361.06	3859401.99	2.55E-03	2.60E-03	2.60E-03	8.82E-07	2.66E-06	1.54E-06	1.57E-06	1.43E-06	6.38E-07	6.50E-07	2.95E-08	7.12E-07	1.57E-07	2.14E-07	3.39E-07	5.85E-08	4.29E-08	1.55E-06
1968	494411.06	3859401.99	2.48E-03	2.53E-03	2.52E-03	8.57E-07	2.59E-06	1.50E-06	1.53E-06	1.39E-06	6.20E-07	6.32E-07	2.86E-08	6.91E-07	1.53E-07	2.08E-07	3.29E-07	5.69E-08	4.17E-08	1.51E-06
1969	494461.06	3859401.99	2.42E-03	2.47E-03	2.47E-03	8.38E-07	2.53E-06	1.47E-06	1.50E-06	1.36E-06	6.06E-07	6.18E-07	2.80E-08	6.76E-07	1.49E-07	2.03E-07	3.22E-07	5.56E-08	4.07E-08	1.47E-06
1970	494511.06	3859401.99	2.38E-03	2.43E-03	2.43E-03	8.25E-07	2.49E-06	1.44E-06	1.47E-06	1.33E-06	5.97E-07	6.08E-07	2.76E-08	6.66E-07	1.47E-07	2.00E-07	3.17E-07	5.48E-08	4.01E-08	1.45E-06
1971	494561.06	3859401.99	2.34E-03	2.39E-03	2.39E-03	8.10E-07	2.45E-06	1.42E-06	1.45E-06	1.31E-06	5.86E-07	5.97E-07	2.71E-08	6.54E-07	1.44E-07	1.96E-07	3.11E-07	5.38E-08	3.94E-08	1.43E-06
1972	494611.06	3859401.99	2.29E-03	2.34E-03	2.33E-03	7.93E-07	2.39E-06	1.39E-06	1.41E-06	1.28E-06	5.73E-07	5.84E-07	2.65E-08	6.39E-07	1.41E-07	1.92E-07	3.04E-07	5.26E-08	3.85E-08	1.39E-06
1973	494661.06	3859401.99	2.25E-03	2.30E-03	2.29E-03	7.79E-07	2.35E-06	1.36E-06	1.39E-06	1.26E-06	5.63E-07	5.74E-07	2.60E-08	6.29E-07	1.39E-07	1.89E-07	2.99E-07	5.17E-08	3.79E-08	1.37E-06
1974	494711.06	3859401.99	2.21E-03	2.25E-03	2.25E-03	7.64E-07	2.31E-06	1.34E-06	1.36E-06	1.24E-06	5.53E-07	5.63E-07	2.55E-08	6.16E-07	1.36E-07	1.85E-07	2.94E-07	5.07E-08	3.71E-08	1.34E-06
1975	494761.06	3859401.99	2.12E-03	2.17E-03	2.16E-03	7.35E-07	2.22E-06	1.28E-06	1.31E-06	1.19E-06	5.31E-07	5.42E-07	2.45E-08	5.93E-07	1.31E-07	1.78E-07	2.82E-07	4.88E-08	3.57E-08	1.29E-06
1976	494811.06	3859401.99	2.08E-03	2.12E-03	2.12E-03	7.20E-07	2.18E-06	1.26E-06	1.28E-06	1.16E-06	5.21E-07	5.31E-07	2.41E-08	5.81E-07	1.28E-07	1.74E-07	2.77E-07	4.78E-08	3.50E-08	1.27E-06
1977	494861.06	3859401.99	2.02E-03	2.06E-03	2.06E-03	6.98E-07	2.11E-06	1.22E-06	1.25E-06	1.13E-06	5.05E-07	5.15E-07	2.33E-08	5.63E-07	1.24E-07	1.69E-07	2.68E-07	4.63E-08	3.39E-08	1.23E-06
1978	494911.06	3859401.99	1.97E-03	2.01E-03	2.01E-03	6.82E-07	2.06E-06	1.19E-06	1.22E-06	1.10E-06	4.93E-07	5.03E-07	2.28E-08	5.50E-07	1.21E-07	1.65E-07	2.62E-07	4.53E-08	3.32E-08	1.20E-06
1979	494961.06	3859401.99	1.95E-03	1.99E-03	1.99E-03	6.75E-07	2.04E-06	1.18E-06	1.20E-06	1.09E-06	4.88E-07	4.98E-07	2.25E-08	5.45E-07	1.20E-07	1.63E-07	2.59E-07	4.48E-08	3.28E-08	1.19E-06
1980	495011.06	3859401.99	1.93E-03	1.97E-03	1.97E-03	6.68E-07	2.02E-06	1.17E-06	1.19E-06	1.08E-06	4.83E-07	4.92E-07	2.23E-08	5.39E-07	1.19E-07	1.62E-07	2.57E-07	4.43E-08	3.25E-08	1.18E-06
1981	495061.06	3859401.99	1.91E-03	1.95E-03	1.94E-03	6.60E-07	1.99E-06	1.15E-06	1.18E-06	1.07E-06	4.77E-07	4.86E-07	2.20E-08	5.32E-07	1.18E-07	1.60E-07	2.54E-07	4.38E-08	3.21E-08	1.16E-06
1982	495111.06	3859401.99	1.87E-03	1.91E-03	1.91E-03	6.49E-07	1.96E-06	1.13E-06	1.16E-06	1.05E-06	4.69E-07	4.78E-07	2.17E-08	5.24E-07	1.16E-07	1.57E-07	2.49E-07	4.31E-08	3.15E-08	1.14E-06
1983	495161.06	3859401.99	1.87E-03	1.90E-03	1.90E-03	6.46E-07	1.95E-06	1.13E-06	1.15E-06	1.04E-06	4.67E-07	4.76E-07	2.16E-08	5.21E-07	1.15E-07	1.56E-07	2.48E-07	4.29E-08	3.14E-08	1.14E-06
1984	495211.06	3859401.99	1.86E-03	1.89E-03	1.89E-03	6.43E-07	1.94E-06	1.12E-06	1.15E-06	1.04E-06	4.65E-07	4.73E-07	2.15E-08	5.18E-07	1.14E-07	1.56E-07	2.47E-07	4.26E-08	3.12E-08	1.13E-06
1985	495261.06	3859401.99	1.84E-03	1.87E-03	1.87E-03	6.36E-07	1.92E-06	1.11E-06	1.13E-06	1.03E-06	4.60E-07	4.68E-07	2.12E-08	5.13E-07	1.13E-07	1.54E-07	2.44E-07	4.22E-08	3.09E-08	1.12E-06
1986	495311.06	3859401.99	1.82E-03	1.85E-03	1.85E-03	6.28E-07	1.90E-06	1.10E-06	1.12E-06	1.02E-06	4.54E-07	4.63E-07	2.10E-08	5.07E-07	1.12E-07	1.52E-07	2.41E-07	4.17E-08	3.05E-08	1.11E-06
1987	495361.06	3859401.99	1.81E-03	1.84E-03	1.84E-03	6.26E-07	1.89E-06	1.09E-06	1.12E-06	1.01E-06	4.52E-07	4.61E-07	2.09E-08	5.05E-07	1.11E-07	1.52E-07	2.40E-07	4.15E-08	3.04E-08	1.10E-06
1988	495411.06	3859401.99	1.79E-03	1.83E-03	1.83E-03	6.20E-07	1.87E-06	1.08E-06	1.11E-06	1.00E-06	4.48E-07	4.57E-07	2.07E-08	5.00E-07	1.10E-07	1.50E-07	2.38E-07	4.12E-08	3.01E-08	1.09E-06

1989	495461.06	3859401.99	1.77E-03	1.80E-03	1.80E-03	6.12E-07	1.85E-06	1.07E-06	1.09E-06	9.90E-07	4.42E-07	4.51E-07	2.04E-08	4.94E-07	1.09E-07	1.48E-07	2.35E-07	4.06E-08	2.97E-08	1.08E-06
1990	495511.06	3859401.99	1.74E-03	1.77E-03	1.77E-03	6.01E-07	1.81E-06	1.05E-06	1.07E-06	9.72E-07	4.34E-07	4.43E-07	2.01E-08	4.85E-07	1.07E-07	1.46E-07	2.31E-07	3.99E-08	2.92E-08	1.06E-06
1991	495561.06	3859401.99	1.70E-03	1.73E-03	1.73E-03	5.89E-07	1.78E-06	1.03E-06	1.05E-06	9.52E-07	4.26E-07	4.34E-07	1.97E-08	4.75E-07	1.05E-07	1.43E-07	2.26E-07	3.91E-08	2.86E-08	1.04E-06
1992	495611.06	3859401.99	1.68E-03	1.71E-03	1.71E-03	5.81E-07	1.75E-06	1.02E-06	1.04E-06	9.39E-07	4.20E-07	4.28E-07	1.94E-08	4.69E-07	1.03E-07	1.41E-07	2.23E-07	3.85E-08	2.82E-08	1.02E-06
1993	495661.06	3859401.99	1.66E-03	1.69E-03	1.69E-03	5.74E-07	1.73E-06	1.00E-06	1.02E-06	9.29E-07	4.15E-07	4.23E-07	1.92E-08	4.63E-07	1.02E-07	1.39E-07	2.21E-07	3.81E-08	2.79E-08	1.01E-06
1994	494311.06	3859451.99	2.71E-03	2.77E-03	2.76E-03	9.39E-07	2.83E-06	1.64E-06	1.67E-06	1.52E-06	6.79E-07	6.92E-07	3.13E-08	7.57E-07	1.67E-07	2.27E-07	3.61E-07	6.23E-08	4.56E-08	1.65E-06
1995	494361.06	3859451.99	2.64E-03	2.70E-03	2.69E-03	9.15E-07	2.76E-06	1.60E-06	1.63E-06	1.48E-06	6.61E-07	6.74E-07	3.05E-08	7.38E-07	1.63E-07	2.21E-07	3.51E-07	6.07E-08	4.45E-08	1.61E-06
1996	494411.06	3859451.99	2.55E-03	2.60E-03	2.60E-03	8.83E-07	2.66E-06	1.54E-06	1.57E-06	1.43E-06	6.38E-07	6.50E-07	2.95E-08	7.12E-07	1.57E-07	2.14E-07	3.39E-07	5.86E-08	4.29E-08	1.55E-06
1997	494461.06	3859451.99	2.51E-03	2.57E-03	2.56E-03	8.70E-07	2.63E-06	1.52E-06	1.55E-06	1.41E-06	6.29E-07	6.41E-07	2.91E-08	7.02E-07	1.55E-07	2.11E-07	3.34E-07	5.77E-08	4.23E-08	1.53E-06
1998	494511.06	3859451.99	2.46E-03	2.51E-03	2.51E-03	8.51E-07	2.57E-06	1.49E-06	1.52E-06	1.38E-06	6.16E-07	6.27E-07	2.84E-08	6.87E-07	1.52E-07	2.06E-07	3.27E-07	5.65E-08	4.14E-08	1.50E-06
1999	494561.06	3859451.99	2.41E-03	2.46E-03	2.46E-03	8.36E-07	2.52E-06	1.46E-06	1.49E-06	1.35E-06	6.04E-07	6.16E-07	2.79E-08	6.74E-07	1.49E-07	2.02E-07	3.21E-07	5.55E-08	4.06E-08	1.47E-06
2000	494611.06	3859451.99	2.39E-03	2.43E-03	2.43E-03	8.26E-07	2.49E-06	1.44E-06	1.47E-06	1.34E-06	5.97E-07	6.09E-07	2.76E-08	6.66E-07	1.47E-07	2.00E-07	3.17E-07	5.48E-08	4.01E-08	1.45E-06
2001	494661.06	3859451.99	2.33E-03	2.38E-03	2.38E-03	8.07E-07	2.44E-06	1.41E-06	1.44E-06	1.30E-06	5.83E-07	5.95E-07	2.69E-08	6.51E-07	1.44E-07	1.95E-07	3.10E-07	5.35E-08	3.92E-08	1.42E-06
2002	494711.06	3859451.99	2.28E-03	2.32E-03	2.32E-03	7.88E-07	2.38E-06	1.38E-06	1.41E-06	1.27E-06	5.70E-07	5.81E-07	2.63E-08	6.36E-07	1.40E-07	1.91E-07	3.03E-07	5.23E-08	3.83E-08	1.39E-06
2003	494761.06	3859451.99	2.23E-03	2.28E-03	2.27E-03	7.73E-07	2.33E-06	1.35E-06	1.38E-06	1.25E-06	5.59E-07	5.69E-07	2.58E-08	6.23E-07	1.38E-07	1.87E-07	2.97E-07	5.13E-08	3.76E-08	1.36E-06
2004	494811.06	3859451.99	2.17E-03	2.21E-03	2.21E-03	7.51E-07	2.27E-06	1.31E-06	1.34E-06	1.21E-06	5.43E-07	5.53E-07	2.51E-08	6.06E-07	1.34E-07	1.82E-07	2.88E-07	4.98E-08	3.65E-08	1.32E-06
2005	494861.06	3859451.99	2.12E-03	2.16E-03	2.16E-03	7.33E-07	2.21E-06	1.28E-06	1.31E-06	1.19E-06	5.30E-07	5.40E-07	2.45E-08	5.91E-07	1.30E-07	1.78E-07	2.82E-07	4.86E-08	3.56E-08	1.29E-06
2006	494911.06	3859451.99	2.08E-03	2.12E-03	2.12E-03	7.19E-07	2.17E-06	1.26E-06	1.28E-06	1.16E-06	5.20E-07	5.30E-07	2.40E-08	5.80E-07	1.28E-07	1.74E-07	2.76E-07	4.77E-08	3.50E-08	1.27E-06
2007	494961.06	3859451.99	2.05E-03	2.09E-03	2.09E-03	7.10E-07	2.14E-06	1.24E-06	1.27E-06	1.15E-06	5.13E-07	5.23E-07	2.37E-08	5.73E-07	1.26E-07	1.72E-07	2.73E-07	4.71E-08	3.45E-08	1.25E-06
2008	495011.06	3859451.99	2.02E-03	2.06E-03	2.06E-03	7.00E-07	2.11E-06	1.22E-06	1.25E-06	1.13E-06	5.06E-07	5.16E-07	2.34E-08	5.64E-07	1.25E-07	1.69E-07	2.69E-07	4.64E-08	3.40E-08	1.23E-06
2009	495061.06	3859451.99	1.99E-03	2.03E-03	2.03E-03	6.89E-07	2.08E-06	1.21E-06	1.23E-06	1.11E-06	4.98E-07	5.08E-07	2.30E-08	5.56E-07	1.23E-07	1.67E-07	2.65E-07	4.57E-08	3.35E-08	1.21E-06
2010	495111.06	3859451.99	1.96E-03	2.00E-03	2.00E-03	6.79E-07	2.05E-06	1.19E-06	1.21E-06	1.10E-06	4.91E-07	5.00E-07	2.27E-08	5.48E-07	1.21E-07	1.64E-07	2.61E-07	4.51E-08	3.30E-08	1.19E-06
2011	495161.06	3859451.99	1.94E-03	1.98E-03	1.98E-03	6.73E-07	2.03E-06	1.18E-06	1.20E-06	1.09E-06	4.87E-07	4.96E-07	2.25E-08	5.43E-07	1.20E-07	1.63E-07	2.59E-07	4.47E-08	3.27E-08	1.18E-06
2012	495211.06	3859451.99	1.93E-03	1.97E-03	1.97E-03	6.68E-07	2.02E-06	1.17E-06	1.19E-06	1.08E-06	4.83E-07	4.93E-07	2.23E-08	5.39E-07	1.19E-07	1.62E-07	2.57E-07	4.43E-08	3.25E-08	1.18E-06
2013	495261.06	3859451.99	1.92E-03	1.96E-03	1.95E-03	6.63E-07	2.00E-06	1.16E-06	1.18E-06	1.07E-06	4.80E-07	4.89E-07	2.21E-08	5.35E-07	1.18E-07	1.61E-07	2.55E-07	4.40E-08	3.22E-08	1.17E-06
2014	495311.06	3859451.99	1.89E-03	1.93E-03	1.93E-03	6.55E-07	1.98E-06	1.14E-06	1.17E-06	1.06E-06	4.74E-07	4.83E-07	2.19E-08	5.28E-07	1.17E-07	1.59E-07	2.52E-07	4.35E-08	3.18E-08	1.15E-06
2015	495361.06	3859451.99	1.87E-03	1.91E-03	1.91E-03	6.48E-07	1.96E-06	1.13E-06	1.16E-06	1.05E-06	4.69E-07	4.78E-07	2.16E-08	5.23E-07	1.15E-07	1.57E-07	2.49E-07	4.30E-08	3.15E-08	1.14E-06
2016	495411.06	3859451.99	1.85E-03	1.89E-03	1.88E-03	6.40E-07	1.93E-06	1.12E-06	1.14E-06	1.03E-06	4.63E-07	4.71E-07	2.14E-08	5.16E-07	1.14E-07	1.55E-07	2.46E-07	4.24E-08	3.11E-08	1.13E-06
2017	495461.06	3859451.99	1.83E-03	1.87E-03	1.86E-03	6.33E-07	1.91E-06	1.11E-06	1.13E-06	1.02E-06	4.58E-07	4.66E-07	2.11E-08	5.10E-07	1.13E-07	1.53E-07	2.43E-07	4.20E-08	3.08E-08	1.11E-06
2018	495511.06	3859451.99	1.79E-03	1.83E-03	1.82E-03	6.20E-07	1.87E-06	1.08E-06	1.11E-06	1.00E-06	4.48E-07	4.57E-07	2.07E-08	5.00E-07	1.10E-07	1.50E-07	2.38E-07	4.11E-08	3.01E-08	1.09E-06
2019	495561.06	3859451.99	1.76E-03	1.80E-03	1.80E-03	6.11E-07	1.84E-06	1.07E-06	1.09E-06	9.87E-07	4.42E-07	4.50E-07	2.04E-08	4.93E-07	1.09E-07	1.48E-07	2.35E-07	4.05E-08	2.97E-08	1.07E-06
2020	495611.06	3859451.99	1.74E-03	1.77E-03	1.77E-03	6.02E-07	1.82E-06	1.05E-06	1.07E-06	9.74E-07	4.35E-07	4.44E-07	2.01E-08	4.86E-07	1.07E-07	1.46E-07	2.31E-07	4.00E-08	2.93E-08	1.06E-06
2021	495661.06	3859451.99	1.72E-03	1.75E-03	1.75E-03	5.94E-07	1.79E-06	1.04E-06	1.06E-06	9.61E-07	4.30E-07	4.38E-07	1.98E-08	4.79E-07	1.06E-07	1.44E-07	2.28E-07	3.94E-08	2.89E-08	1.05E-06
2022	494311.06	3859501.99	2.82E-03	2.87E-03	2.87E-03	9.75E-07	2.94E-06	1.70E-06	1.74E-06	1.58E-06	7.05E-07	7.19E-07	3.26E-08	7.87E-07	1.74E-07	2.36E-07	3.75E-07	6.47E-08	4.74E-08	1.72E-06
2023	494361.06	3859501.99	2.74E-03	2.80E-03	2.79E-03	9.49E-07	2.87E-06	1.66E-06	1.69E-06	1.53E-06	6.86E-07	6.99E-07	3.17E-08	7.66E-07	1.69E-07	2.30E-07	3.65E-07	6.30E-08	4.61E-08	1.67E-06
2024	494411.06	3859501.99	2.62E-03	2.68E-03	2.67E-03	9.08E-07	2.74E-06	1.59E-06	1.62E-06	1.47E-06	6.57E-07	6.69E-07	3.03E-08	7.33E-07	1.62E-07	2.20E-07	3.49E-07	6.03E-08	4.41E-08	1.60E-06
2025	494461.06	3859501.99	2.61E-03	2.67E-03	2.66E-03	9.05E-07	2.73E-06	1.58E-06	1.61E-06	1.46E-06	6.54E-07	6.67E-07	3.02E-08	7.30E-07	1.61E-07	2.19E-07	3.48E-07	6.00E-08	4.40E-08	1.59E-06
2026	494511.06	3859501.99	2.55E-03	2.60E-03	2.60E-03	8.82E-07	2.66E-06	1.54E-06	1.57E-06	1.43E-06	6.38E-07	6.50E-07	2.95E-08	7.12E-07	1.57E-07	2.14E-07	3.39E-07	5.85E-08	4.29E-08	1.55E-06
2027	494561.06	3859501.99	2.49E-03	2.55E-03	2.54E-03	8.63E-07	2.61E-06	1.51E-06	1.54E-06	1.40E-06	6.24E-07	6.36E-07	2.88E-08	6.96E-07	1.54E-07	2.09E-07	3.32E-07	5.73E-08	4.20E-08	1.52E-06
2028	494611.06	3859501.99	2.49E-03	2.54E-03	2.54E-03	8.61E-07	2.60E-06	1.50E-06	1.54E-06	1.39E-06	6.22E-07	6.34E-07	2.88E-08	6.94E-07	1.53E-07	2.09E-07	3.31E-07	5.71E-08	4.18E-08	1.51E-06
2029	494661.06	3859501.99	2.42E-03	2.47E-03	2.47E-03	8.38E-07	2.53E-06	1.46E-06	1.49E-06	1.35E-06	6.06E-07	6.17E-07	2.80E-08	6.76E-07	1.49E-07	2.03E-07	3.22E-07	5.56E-08	4.07E-08	1.47E-06
2030	494711.06	3859501.99	2.35E-03	2.39E-03	2.39E-03	8.12E-07	2.45E-06	1.42E-06	1.45E-06	1.31E-06	5.87E-07	5.98E-07	2.71E-08	6.55E-07	1.45E-07	1.97E-07	3.12E-07	5.39E-08	3.95E-08	1.43E-06
2031	494761.06	3859501.99	2.32E-03	2.37E-03	2.37E-03	8.05E-07	2.43E-06	1.41E-06	1.44E-06	1.30E-06	5.82E-07	5.93E-07	2.69E-08	6.49E-07	1.43E-07	1.95E-07	3.09E-07	5.34E-08	3.91E-08	1.42E-06
2032	494811.06	3859501.99	2.24E-03	2.28E-03	2.28E-03	7.74E-07	2.34E-06	1.35E-06	1.38E-06	1.25E-06	5.60E-07	5.70E-07	2.58E-08	6.24E-07	1.38E-07	1.87E-07	2.97E-07	5.14E-08	3.76E-08	1.36E-06
2033	494861.06	3859501.99	2.20E-03	2.24E-03	2.24E-03	7.61E-07	2.30E-06	1.33E-06	1.36E-06	1.23E-06	5.50E-07	5.60E-07	2.54E-08	6.14E-07	1.35E-07	1.84E-07	2.92E-07	5.05E-08	3.70E-08	1.34E-06
2034	494911.06	3859501.99	2.17E-03	2.21E-03	2.21E-03	7.51E-07	2.27E-06	1.31E-06	1.34E-06	1.21E-06	5.43E-07	5.54E-07	2.51E-08	6.06E-07	1.34E-07	1.82E-07	2.89E-07	4.98E-08	3.65E-08	1.32E-06
2035	494961.06	3859501.99	2.12E-03	2.17E-03	2.17E-03	7.36E-07	2.22E-06	1.29E-06	1.31E-06	1.19E-06	5.32E-07	5.42E-07	2.46E-08	5.93E-07	1.31E-07	1.78E-07	2.83E-07	4.88E-08	3.58E-08	1.29E-06
2036	495011.06	3859501.99	2.10E-03	2.14E-03	2.14E-03	7.27E-07	2.20E-06	1.27E-06	1.30E-06	1.18E-06	5.26E-07	5.36E-07	2.43E-08	5.86E-07	1.29E-07	1.76E-07	2.79E-07	4.82E-08	3.53E-08	1.28E-06
2037	495061.06	3859501.99	2.08E-03	2.12E-03	2.12E-03	7.19E-07	2.17E-06	1.26E-06	1.28E-06	1.16E-06	5.20E-07	5.30E-07	2.40E-08	5.80E-07	1.28E-07	1.74E-07	2.76E-07	4.77E-08	3.49E-08	1.26E-06
2038	495111.06	3859501.99	2.04E-03	2.08E-03	2.07E-03	7.05E-07	2.13E-06	1.23E-06	1.26E-06	1.14E-06	5.09E-07	5.19E-07	2.35E-08	5.68E-07	1.25E-07	1.71E-07	2.71E-07	4.67E-08	3.42E-08	1.24E-06
2039	495161.06	3859501.99	2.01E-03	2.06E-03	2.05E-03	6.97E-07	2.11E-06	1.22E-06	1.24E-06	1.13E-06	5.04E-07	5.14E-07	2.33E-08	5.62E-07	1.24E-07	1.69E-07	2.68E-07	4.63E-08	3.39E-08	1.23E-06
2040	495211.06	3859501.99	2.00E-03	2.04E-03	2.04E-03	6.93E-07	2.09E-06	1.21E-06	1.24E-06	1.12E-06	5.01E-07	5.10E-07	2.31E-08	5.59E-07	1.23E-07	1.68E-07	2.66E-07	4.60E-08	3.37E-08	1.22E-06
2041	495261.06	3859501.99	1.98E-03	2.02E-03	2.02E-03	6.85E-07	2.07E-06	1.20E-06	1.22E-06	1.11E-06	4.95E-07	5.05E-07	2.29E-08	5.53E-07	1.22E-07	1.66E-07	2.63E-07	4.55E-08	3.33E-08	1.21E-06
2042	495311.06	3859501.99	1.96E-03	2.00E-03	2.00E-03	6.79E-07	2.05E-06	1.19E-06	1.21E-06	1.10E-06	4.91E-07	5.00E-07	2.27E-08	5.48E-07	1.21E-07	1.64E-07	2.61E-07	4.51E-08	3.30E-08	1.19E-06
2043	495361.06	3859501.99	1.94E-03	1.98E-03	1.98E-03	6.71E-07	2.03E-06	1.17E-06	1.20E-06	1.08E-06	4.85E-07	4.94E-07	2.24E-08	5.41E-07	1.19E-07	1.62E-07	2.58E-07	4.45E-08	3.26E-08	1.18E-06
2044	495411.06	3859501.99	1.92E-03	1.96E-03	1.95E-03	6.63E-07	2.00E-06	1.16E-06	1.18E-06	1.07E-06	4.80E-07	4.89E-07	2.22E-08	5.35E-07	1.18E-07	1.61E-07	2.55E-07	4.40E-08	3.22E-08	1.17E-06
2045	495461.06	3859501.99	1.89E-03	1.93E-03	1.93E-03	6.54E-07	1.98E-06	1.14E-06	1.17E-06	1.06E-06	4.73E-07	4.82E-07	2.19E-08	5.28E-07	1.16E-07	1.58E-07	2.51E-07	4.34E-08	3.18E-08	1.15E-06

2046	495511.06	3859501.99	1.84E-03	1.87E-03	1.87E-03	6.36E-07	1.92E-06	1.11E-06	1.13E-06	1.03E-06	4.60E-07	4.68E-07	2.12E-08	5.13E-07	1.13E-07	1.54E-07	2.44E-07	4.22E-08	3.09E-08	1.12E-06
2047	495561.06	3859501.99	1.83E-03	1.87E-03	1.86E-03	6.33E-07	1.91E-06	1.11E-06	1.13E-06	1.02E-06	4.57E-07	4.66E-07	2.11E-08	5.10E-07	1.13E-07	1.53E-07	2.43E-07	4.20E-08	3.08E-08	1.11E-06
2048	495611.06	3859501.99	1.80E-03	1.84E-03	1.83E-03	6.23E-07	1.88E-06	1.09E-06	1.11E-06	1.01E-06	4.50E-07	4.59E-07	2.08E-08	5.03E-07	1.11E-07	1.51E-07	2.39E-07	4.13E-08	3.03E-08	1.10E-06
2049	495661.06	3859501.99	1.77E-03	1.81E-03	1.80E-03	6.13E-07	1.85E-06	1.07E-06	1.09E-06	9.91E-07	4.43E-07	4.51E-07	2.05E-08	4.94E-07	1.09E-07	1.48E-07	2.35E-07	4.06E-08	2.98E-08	1.08E-06
2050	494311.06	3859551.99	2.92E-03	2.98E-03	2.97E-03	1.01E-06	3.05E-06	1.76E-06	1.80E-06	1.63E-06	7.30E-07	7.44E-07	3.37E-08	8.14E-07	1.80E-07	2.44E-07	3.88E-07	6.70E-08	4.91E-08	1.78E-06
2051	494361.06	3859551.99	2.81E-03	2.87E-03	2.87E-03	9.73E-07	2.94E-06	1.70E-06	1.74E-06	1.57E-06	7.04E-07	7.17E-07	3.25E-08	7.85E-07	1.73E-07	2.36E-07	3.74E-07	6.46E-08	4.73E-08	1.71E-06
2052	494411.06	3859551.99	2.69E-03	2.75E-03	2.74E-03	9.32E-07	2.81E-06	1.63E-06	1.66E-06	1.51E-06	6.74E-07	6.87E-07	3.11E-08	7.52E-07	1.66E-07	2.26E-07	3.58E-07	6.19E-08	4.53E-08	1.64E-06
2053	494461.06	3859551.99	2.70E-03	2.76E-03	2.75E-03	9.35E-07	2.82E-06	1.64E-06	1.67E-06	1.51E-06	6.76E-07	6.89E-07	3.12E-08	7.55E-07	1.67E-07	2.27E-07	3.59E-07	6.21E-08	4.55E-08	1.65E-06
2054	494511.06	3859551.99	2.64E-03	2.69E-03	2.69E-03	9.13E-07	2.76E-06	1.59E-06	1.63E-06	1.48E-06	6.60E-07	6.72E-07	3.05E-08	7.36E-07	1.62E-07	2.21E-07	3.51E-07	6.05E-08	4.44E-08	1.61E-06
2055	494561.06	3859551.99	2.58E-03	2.64E-03	2.63E-03	8.95E-07	2.70E-06	1.56E-06	1.60E-06	1.45E-06	6.47E-07	6.59E-07	2.99E-08	7.22E-07	1.59E-07	2.17E-07	3.44E-07	5.94E-08	4.35E-08	1.57E-06
2056	494611.06	3859551.99	2.55E-03	2.60E-03	2.60E-03	8.84E-07	2.67E-06	1.54E-06	1.58E-06	1.43E-06	6.39E-07	6.51E-07	2.95E-08	7.13E-07	1.57E-07	2.14E-07	3.39E-07	5.86E-08	4.29E-08	1.55E-06
2057	494661.06	3859551.99	2.51E-03	2.56E-03	2.56E-03	8.69E-07	2.62E-06	1.52E-06	1.55E-06	1.40E-06	6.28E-07	6.40E-07	2.90E-08	7.01E-07	1.55E-07	2.10E-07	3.34E-07	5.76E-08	4.22E-08	1.53E-06
2058	494711.06	3859551.99	2.40E-03	2.45E-03	2.44E-03	8.29E-07	2.50E-06	1.45E-06	1.48E-06	1.34E-06	6.00E-07	6.11E-07	2.77E-08	6.69E-07	1.48E-07	2.01E-07	3.19E-07	5.50E-08	4.03E-08	1.46E-06
2059	494761.06	3859551.99	2.41E-03	2.45E-03	2.45E-03	8.33E-07	2.51E-06	1.46E-06	1.49E-06	1.35E-06	6.02E-07	6.14E-07	2.78E-08	6.72E-07	1.48E-07	2.02E-07	3.20E-07	5.52E-08	4.05E-08	1.46E-06
2060	494811.06	3859551.99	2.32E-03	2.37E-03	2.37E-03	8.05E-07	2.43E-06	1.41E-06	1.44E-06	1.30E-06	5.82E-07	5.93E-07	2.69E-08	6.49E-07	1.43E-07	1.95E-07	3.09E-07	5.34E-08	3.91E-08	1.42E-06
2061	494861.06	3859551.99	2.29E-03	2.33E-03	2.33E-03	7.91E-07	2.39E-06	1.38E-06	1.41E-06	1.28E-06	5.72E-07	5.83E-07	2.64E-08	6.38E-07	1.41E-07	1.92E-07	3.04E-07	5.25E-08	3.84E-08	1.39E-06
2062	494911.06	3859551.99	2.24E-03	2.29E-03	2.28E-03	7.75E-07	2.34E-06	1.36E-06	1.38E-06	1.25E-06	5.60E-07	5.71E-07	2.59E-08	6.25E-07	1.38E-07	1.88E-07	2.98E-07	5.14E-08	3.77E-08	1.36E-06
2063	494961.06	3859551.99	2.21E-03	2.26E-03	2.26E-03	7.66E-07	2.31E-06	1.34E-06	1.37E-06	1.24E-06	5.54E-07	5.64E-07	2.56E-08	6.18E-07	1.36E-07	1.85E-07	2.94E-07	5.08E-08	3.72E-08	1.35E-06
2064	495011.06	3859551.99	2.19E-03	2.24E-03	2.23E-03	7.58E-07	2.29E-06	1.33E-06	1.35E-06	1.23E-06	5.48E-07	5.59E-07	2.53E-08	6.12E-07	1.35E-07	1.84E-07	2.91E-07	5.03E-08	3.69E-08	1.33E-06
2065	495061.06	3859551.99	2.16E-03	2.20E-03	2.20E-03	7.47E-07	2.25E-06	1.30E-06	1.33E-06	1.21E-06	5.40E-07	5.50E-07	2.49E-08	6.02E-07	1.33E-07	1.81E-07	2.87E-07	4.95E-08	3.63E-08	1.31E-06
2066	495111.06	3859551.99	2.12E-03	2.16E-03	2.16E-03	7.32E-07	2.21E-06	1.28E-06	1.31E-06	1.18E-06	5.29E-07	5.40E-07	2.44E-08	5.91E-07	1.30E-07	1.77E-07	2.81E-07	4.86E-08	3.56E-08	1.29E-06
2067	495161.06	3859551.99	2.10E-03	2.14E-03	2.14E-03	7.25E-07	2.19E-06	1.27E-06	1.29E-06	1.17E-06	5.24E-07	5.35E-07	2.42E-08	5.85E-07	1.29E-07	1.76E-07	2.79E-07	4.81E-08	3.53E-08	1.28E-06
2068	495211.06	3859551.99	2.08E-03	2.12E-03	2.12E-03	7.20E-07	2.18E-06	1.26E-06	1.28E-06	1.16E-06	5.21E-07	5.31E-07	2.41E-08	5.81E-07	1.28E-07	1.74E-07	2.77E-07	4.78E-08	3.50E-08	1.27E-06
2069	495261.06	3859551.99	2.05E-03	2.09E-03	2.09E-03	7.09E-07	2.14E-06	1.24E-06	1.26E-06	1.15E-06	5.13E-07	5.22E-07	2.37E-08	5.72E-07	1.26E-07	1.72E-07	2.72E-07	4.70E-08	3.45E-08	1.25E-06
2070	495311.06	3859551.99	2.02E-03	2.06E-03	2.06E-03	7.00E-07	2.11E-06	1.22E-06	1.25E-06	1.13E-06	5.06E-07	5.16E-07	2.34E-08	5.64E-07	1.25E-07	1.69E-07	2.69E-07	4.64E-08	3.40E-08	1.23E-06
2071	495361.06	3859551.99	2.00E-03	2.04E-03	2.04E-03	6.92E-07	2.09E-06	1.21E-06	1.23E-06	1.12E-06	5.00E-07	5.10E-07	2.31E-08	5.58E-07	1.23E-07	1.68E-07	2.66E-07	4.59E-08	3.36E-08	1.22E-06
2072	495411.06	3859551.99	1.98E-03	2.02E-03	2.02E-03	6.86E-07	2.07E-06	1.20E-06	1.22E-06	1.11E-06	4.96E-07	5.05E-07	2.29E-08	5.53E-07	1.22E-07	1.66E-07	2.63E-07	4.55E-08	3.33E-08	1.21E-06
2073	495461.06	3859551.99	1.94E-03	1.98E-03	1.98E-03	6.72E-07	2.03E-06	1.18E-06	1.20E-06	1.09E-06	4.86E-07	4.96E-07	2.25E-08	5.42E-07	1.20E-07	1.63E-07	2.58E-07	4.46E-08	3.27E-08	1.18E-06
2074	495511.06	3859551.99	1.90E-03	1.94E-03	1.94E-03	6.59E-07	1.99E-06	1.15E-06	1.18E-06	1.07E-06	4.76E-07	4.86E-07	2.20E-08	5.32E-07	1.17E-07	1.60E-07	2.53E-07	4.37E-08	3.20E-08	1.16E-06
2075	495561.06	3859551.99	1.88E-03	1.92E-03	1.91E-03	6.50E-07	1.96E-06	1.14E-06	1.16E-06	1.05E-06	4.70E-07	4.79E-07	2.17E-08	5.25E-07	1.16E-07	1.57E-07	2.50E-07	4.32E-08	3.16E-08	1.14E-06
2076	495611.06	3859551.99	1.85E-03	1.89E-03	1.89E-03	6.42E-07	1.94E-06	1.12E-06	1.14E-06	1.04E-06	4.64E-07	4.73E-07	2.14E-08	5.18E-07	1.14E-07	1.55E-07	2.46E-07	4.26E-08	3.12E-08	1.13E-06
2077	495661.06	3859551.99	1.82E-03	1.86E-03	1.86E-03	6.31E-07	1.91E-06	1.10E-06	1.13E-06	1.02E-06	4.56E-07	4.65E-07	2.11E-08	5.09E-07	1.12E-07	1.53E-07	2.42E-07	4.19E-08	3.07E-08	1.11E-06
2078	494311.06	3859601.99	3.03E-03	3.09E-03	3.09E-03	1.05E-06	3.17E-06	1.83E-06	1.87E-06	1.70E-06	7.58E-07	7.73E-07	3.50E-08	8.46E-07	1.87E-07	2.54E-07	4.03E-07	6.96E-08	5.10E-08	1.85E-06
2079	494361.06	3859601.99	2.88E-03	2.94E-03	2.93E-03	9.96E-07	3.01E-06	1.74E-06	1.78E-06	1.61E-06	7.20E-07	7.34E-07	3.33E-08	8.03E-07	1.77E-07	2.41E-07	3.83E-07	6.61E-08	4.84E-08	1.75E-06
2080	494411.06	3859601.99	2.80E-03	2.85E-03	2.85E-03	9.68E-07	2.92E-06	1.69E-06	1.73E-06	1.57E-06	7.00E-07	7.13E-07	3.23E-08	7.81E-07	1.72E-07	2.34E-07	3.72E-07	6.42E-08	4.71E-08	1.70E-06
2081	494461.06	3859601.99	2.79E-03	2.85E-03	2.85E-03	9.67E-07	2.92E-06	1.69E-06	1.73E-06	1.56E-06	6.99E-07	7.13E-07	3.23E-08	7.80E-07	1.72E-07	2.34E-07	3.72E-07	6.42E-08	4.70E-08	1.70E-06
2082	494511.06	3859601.99	2.70E-03	2.76E-03	2.75E-03	9.35E-07	2.82E-06	1.63E-06	1.67E-06	1.51E-06	6.76E-07	6.89E-07	3.12E-08	7.54E-07	1.66E-07	2.26E-07	3.59E-07	6.21E-08	4.55E-08	1.65E-06
2083	494561.06	3859601.99	2.69E-03	2.74E-03	2.74E-03	9.30E-07	2.81E-06	1.63E-06	1.66E-06	1.50E-06	6.73E-07	6.86E-07	3.11E-08	7.50E-07	1.66E-07	2.25E-07	3.57E-07	6.17E-08	4.52E-08	1.64E-06
2084	494611.06	3859601.99	2.66E-03	2.71E-03	2.71E-03	9.20E-07	2.78E-06	1.61E-06	1.64E-06	1.49E-06	6.65E-07	6.78E-07	3.07E-08	7.42E-07	1.64E-07	2.23E-07	3.53E-07	6.10E-08	4.47E-08	1.62E-06
2085	494661.06	3859601.99	2.56E-03	2.61E-03	2.60E-03	8.84E-07	2.67E-06	1.55E-06	1.58E-06	1.43E-06	6.39E-07	6.52E-07	2.95E-08	7.13E-07	1.57E-07	2.14E-07	3.40E-07	5.87E-08	4.30E-08	1.56E-06
2086	494711.06	3859601.99	2.48E-03	2.53E-03	2.53E-03	8.58E-07	2.59E-06	1.50E-06	1.53E-06	1.39E-06	6.20E-07	6.32E-07	2.86E-08	6.92E-07	1.53E-07	2.08E-07	3.30E-07	5.69E-08	4.17E-08	1.51E-06
2087	494761.06	3859601.99	2.51E-03	2.56E-03	2.55E-03	8.68E-07	2.62E-06	1.52E-06	1.55E-06	1.40E-06	6.27E-07	6.39E-07	2.90E-08	7.00E-07	1.54E-07	2.10E-07	3.33E-07	5.76E-08	4.22E-08	1.53E-06
2088	494811.06	3859601.99	2.42E-03	2.47E-03	2.46E-03	8.37E-07	2.53E-06	1.46E-06	1.49E-06	1.35E-06	6.05E-07	6.17E-07	2.80E-08	6.75E-07	1.49E-07	2.03E-07	3.22E-07	5.55E-08	4.07E-08	1.47E-06
2089	494861.06	3859601.99	2.38E-03	2.43E-03	2.43E-03	8.24E-07	2.49E-06	1.44E-06	1.47E-06	1.33E-06	5.96E-07	6.07E-07	2.75E-08	6.65E-07	1.47E-07	2.00E-07	3.16E-07	5.47E-08	4.00E-08	1.45E-06
2090	494911.06	3859601.99	2.32E-03	2.36E-03	2.36E-03	8.02E-07	2.42E-06	1.40E-06	1.43E-06	1.30E-06	5.80E-07	5.91E-07	2.68E-08	6.47E-07	1.43E-07	1.94E-07	3.08E-07	5.32E-08	3.90E-08	1.41E-06
2091	494961.06	3859601.99	2.31E-03	2.36E-03	2.36E-03	8.01E-07	2.42E-06	1.40E-06	1.43E-06	1.30E-06	5.79E-07	5.90E-07	2.68E-08	6.46E-07	1.43E-07	1.94E-07	3.08E-07	5.32E-08	3.89E-08	1.41E-06
2092	495011.06	3859601.99	2.25E-03	2.30E-03	2.29E-03	7.79E-07	2.35E-06	1.36E-06	1.39E-06	1.26E-06	5.63E-07	5.74E-07	2.60E-08	6.28E-07	1.39E-07	1.89E-07	2.99E-07	5.17E-08	3.79E-08	1.37E-06
2093	495061.06	3859601.99	2.24E-03	2.28E-03	2.28E-03	7.74E-07	2.34E-06	1.35E-06	1.38E-06	1.25E-06	5.60E-07	5.70E-07	2.58E-08	6.24E-07	1.38E-07	1.87E-07	2.97E-07	5.13E-08	3.76E-08	1.36E-06
2094	495111.06	3859601.99	2.19E-03	2.23E-03	2.23E-03	7.58E-07	2.29E-06	1.32E-06	1.35E-06	1.23E-06	5.48E-07	5.58E-07	2.53E-08	6.11E-07	1.35E-07	1.84E-07	2.91E-07	5.03E-08	3.68E-08	1.33E-06
2095	495161.06	3859601.99	2.17E-03	2.21E-03	2.21E-03	7.51E-07	2.27E-06	1.31E-06	1.34E-06	1.21E-06	5.43E-07	5.53E-07	2.51E-08	6.06E-07	1.34E-07	1.82E-07	2.89E-07	4.98E-08	3.65E-08	1.32E-06
2096	495211.06	3859601.99	2.14E-03	2.19E-03	2.18E-03	7.41E-07	2.24E-06	1.30E-06	1.32E-06	1.20E-06	5.36E-07	5.46E-07	2.48E-08	5.98E-07	1.32E-07	1.80E-07	2.85E-07	4.92E-08	3.60E-08	1.30E-06
2097	495261.06	3859601.99	2.12E-03	2.16E-03	2.16E-03	7.33E-07	2.21E-06	1.28E-06	1.31E-06	1.19E-06	5.30E-07	5.40E-07	2.45E-08	5.92E-07	1.31E-07	1.78E-07	2.82E-07	4.87E-08	3.56E-08	1.29E-06
2098	495311.06	3859601.99	2.10E-03	2.14E-03	2.14E-03	7.26E-07	2.19E-06	1.27E-06	1.30E-06	1.17E-06	5.25E-07	5.35E-07	2.43E-08	5.86E-07	1.29E-07	1.76E-07	2.79E-07	4.82E-08	3.53E-08	1.28E-06
2099	495361.06	3859601.99	2.07E-03	2.11E-03	2.11E-03	7.16E-07	2.16E-06	1.25E-06	1.28E-06	1.16E-06	5.18E-07	5.28E-07	2.39E-08	5.77E-07	1.27E-07	1.73E-07	2.75E-07	4.75E-08	3.48E-08	1.26E-06
2100	495411.06	3859601.99	2.05E-03	2.09E-03	2.09E-03	7.09E-07	2.14E-06	1.24E-06	1.26E-06	1.15E-06	5.12E-07	5.22E-07	2.37E-08	5.72E-07	1.26E-07	1.72E-07	2.72E-07	4.70E-08	3.44E-08	1.25E-06
2101	495461.06	3859601.99	2.00E-03	2.04E-03	2.04E-03	6.92E-07	2.09E-06	1.21E-06	1.23E-06	1.12E-06	5.00E-07	5.10E-07	2.31E-08	5.58E-07	1.23E-07	1.68E-07	2.66E-07	4.59E-08	3.36E-08	1.22E-06
2102	495511.06	3859601.99	1.96E-03	2.00E-03	1.99E-03	6.77E-07	2.04E-06	1.18E-06	1.21E-06	1.09E-06	4.89E-07	4.99E-07	2.26E-08	5.46E-07	1.20E-07	1.64E-07	2.60E-07	4.49E-08	3.29E-08	1.19E-06

2103	495561.06	3859601.99	1.94E-03	1.98E-03	1.98E-03	6.72E-07	2.03E-06	1.18E-06	1.20E-06	1.09E-06	4.86E-07	4.95E-07	2.25E-08	5.42E-07	1.20E-07	1.63E-07	2.58E-07	4.46E-08	3.27E-08	1.18E-06
2104	495611.06	3859601.99	1.90E-03	1.93E-03	1.93E-03	6.56E-07	1.98E-06	1.15E-06	1.17E-06	1.06E-06	4.74E-07	4.84E-07	2.19E-08	5.29E-07	1.17E-07	1.59E-07	2.52E-07	4.35E-08	3.19E-08	1.15E-06
2105	495661.06	3859601.99	1.88E-03	1.92E-03	1.91E-03	6.50E-07	1.96E-06	1.14E-06	1.16E-06	1.05E-06	4.70E-07	4.79E-07	2.17E-08	5.24E-07	1.16E-07	1.57E-07	2.50E-07	4.31E-08	3.16E-08	1.14E-06
2106	494311.06	3859651.99	3.10E-03	3.16E-03	3.16E-03	1.07E-06	3.24E-06	1.88E-06	1.91E-06	1.73E-06	7.76E-07	7.90E-07	3.58E-08	8.65E-07	1.91E-07	2.60E-07	4.12E-07	7.12E-08	5.21E-08	1.89E-06
2107	494361.06	3859651.99	2.96E-03	3.02E-03	3.01E-03	1.02E-06	3.09E-06	1.79E-06	1.83E-06	1.66E-06	7.40E-07	7.54E-07	3.42E-08	8.26E-07	1.82E-07	2.48E-07	3.93E-07	6.79E-08	4.98E-08	1.80E-06
2108	494411.06	3859651.99	2.90E-03	2.96E-03	2.95E-03	1.00E-06	3.03E-06	1.75E-06	1.79E-06	1.62E-06	7.26E-07	7.40E-07	3.35E-08	8.10E-07	1.79E-07	2.43E-07	3.86E-07	6.66E-08	4.88E-08	1.77E-06
2109	494461.06	3859651.99	2.89E-03	2.95E-03	2.95E-03	1.00E-06	3.02E-06	1.75E-06	1.79E-06	1.62E-06	7.24E-07	7.38E-07	3.34E-08	8.08E-07	1.78E-07	2.42E-07	3.85E-07	6.64E-08	4.87E-08	1.76E-06
2110	494511.06	3859651.99	2.83E-03	2.89E-03	2.88E-03	9.80E-07	2.96E-06	1.71E-06	1.75E-06	1.58E-06	7.08E-07	7.22E-07	3.27E-08	7.90E-07	1.74E-07	2.37E-07	3.76E-07	6.50E-08	4.76E-08	1.72E-06
2111	494561.06	3859651.99	2.79E-03	2.85E-03	2.84E-03	9.65E-07	2.91E-06	1.69E-06	1.72E-06	1.56E-06	6.98E-07	7.11E-07	3.22E-08	7.79E-07	1.72E-07	2.34E-07	3.71E-07	6.41E-08	4.69E-08	1.70E-06
2112	494611.06	3859651.99	2.74E-03	2.80E-03	2.80E-03	9.50E-07	2.87E-06	1.66E-06	1.69E-06	1.54E-06	6.87E-07	7.00E-07	3.17E-08	7.66E-07	1.69E-07	2.30E-07	3.65E-07	6.30E-08	4.62E-08	1.67E-06
2113	494661.06	3859651.99	2.62E-03	2.68E-03	2.67E-03	9.08E-07	2.74E-06	1.59E-06	1.62E-06	1.47E-06	6.56E-07	6.69E-07	3.03E-08	7.32E-07	1.62E-07	2.20E-07	3.49E-07	6.02E-08	4.41E-08	1.60E-06
2114	494711.06	3859651.99	2.59E-03	2.64E-03	2.64E-03	8.95E-07	2.70E-06	1.56E-06	1.60E-06	1.45E-06	6.47E-07	6.60E-07	2.99E-08	7.22E-07	1.59E-07	2.17E-07	3.44E-07	5.94E-08	4.35E-08	1.58E-06
2115	494761.06	3859651.99	2.57E-03	2.62E-03	2.62E-03	8.89E-07	2.69E-06	1.55E-06	1.59E-06	1.44E-06	6.43E-07	6.55E-07	2.97E-08	7.17E-07	1.58E-07	2.15E-07	3.42E-07	5.90E-08	4.32E-08	1.56E-06
2116	494811.06	3859651.99	2.50E-03	2.56E-03	2.55E-03	8.67E-07	2.62E-06	1.52E-06	1.55E-06	1.40E-06	6.27E-07	6.39E-07	2.90E-08	6.99E-07	1.54E-07	2.10E-07	3.33E-07	5.75E-08	4.21E-08	1.53E-06
2117	494861.06	3859651.99	2.47E-03	2.52E-03	2.52E-03	8.55E-07	2.58E-06	1.49E-06	1.53E-06	1.38E-06	6.18E-07	6.30E-07	2.86E-08	6.90E-07	1.52E-07	2.07E-07	3.29E-07	5.67E-08	4.16E-08	1.50E-06
2118	494911.06	3859651.99	2.42E-03	2.47E-03	2.47E-03	8.39E-07	2.53E-06	1.47E-06	1.50E-06	1.36E-06	6.07E-07	6.18E-07	2.80E-08	6.77E-07	1.49E-07	2.03E-07	3.22E-07	5.57E-08	4.08E-08	1.48E-06
2119	494961.06	3859651.99	2.39E-03	2.44E-03	2.43E-03	8.27E-07	2.50E-06	1.45E-06	1.47E-06	1.34E-06	5.98E-07	6.09E-07	2.76E-08	6.67E-07	1.47E-07	2.00E-07	3.18E-07	5.49E-08	4.02E-08	1.45E-06
2120	495011.06	3859651.99	2.35E-03	2.40E-03	2.39E-03	8.13E-07	2.45E-06	1.42E-06	1.45E-06	1.31E-06	5.88E-07	5.99E-07	2.71E-08	6.55E-07	1.45E-07	1.97E-07	3.12E-07	5.39E-08	3.95E-08	1.43E-06
2121	495061.06	3859651.99	2.32E-03	2.37E-03	2.37E-03	8.03E-07	2.43E-06	1.40E-06	1.43E-06	1.30E-06	5.81E-07	5.92E-07	2.68E-08	6.48E-07	1.43E-07	1.95E-07	3.09E-07	5.33E-08	3.90E-08	1.41E-06
2122	495111.06	3859651.99	2.28E-03	2.32E-03	2.32E-03	7.88E-07	2.38E-06	1.38E-06	1.41E-06	1.27E-06	5.70E-07	5.81E-07	2.63E-08	6.36E-07	1.40E-07	1.91E-07	3.03E-07	5.23E-08	3.83E-08	1.39E-06
2123	495161.06	3859651.99	2.25E-03	2.29E-03	2.29E-03	7.77E-07	2.35E-06	1.36E-06	1.39E-06	1.26E-06	5.62E-07	5.73E-07	2.60E-08	6.27E-07	1.38E-07	1.88E-07	2.99E-07	5.16E-08	3.78E-08	1.37E-06
2124	495211.06	3859651.99	2.22E-03	2.27E-03	2.26E-03	7.68E-07	2.32E-06	1.34E-06	1.37E-06	1.24E-06	5.56E-07	5.66E-07	2.57E-08	6.20E-07	1.37E-07	1.86E-07	2.95E-07	5.10E-08	3.74E-08	1.35E-06
2125	495261.06	3859651.99	2.19E-03	2.23E-03	2.23E-03	7.57E-07	2.29E-06	1.32E-06	1.35E-06	1.22E-06	5.48E-07	5.58E-07	2.53E-08	6.11E-07	1.35E-07	1.83E-07	2.91E-07	5.03E-08	3.68E-08	1.33E-06
2126	495311.06	3859651.99	2.16E-03	2.20E-03	2.20E-03	7.48E-07	2.26E-06	1.31E-06	1.33E-06	1.21E-06	5.41E-07	5.51E-07	2.50E-08	6.03E-07	1.33E-07	1.81E-07	2.87E-07	4.96E-08	3.64E-08	1.32E-06
2127	495361.06	3859651.99	2.14E-03	2.18E-03	2.18E-03	7.39E-07	2.23E-06	1.29E-06	1.32E-06	1.20E-06	5.35E-07	5.45E-07	2.47E-08	5.96E-07	1.32E-07	1.79E-07	2.84E-07	4.91E-08	3.59E-08	1.30E-06
2128	495411.06	3859651.99	2.11E-03	2.15E-03	2.15E-03	7.29E-07	2.20E-06	1.27E-06	1.30E-06	1.18E-06	5.27E-07	5.37E-07	2.43E-08	5.88E-07	1.30E-07	1.76E-07	2.80E-07	4.83E-08	3.54E-08	1.28E-06
2129	495461.06	3859651.99	2.06E-03	2.10E-03	2.10E-03	7.12E-07	2.15E-06	1.24E-06	1.27E-06	1.15E-06	5.15E-07	5.25E-07	2.38E-08	5.74E-07	1.27E-07	1.72E-07	2.73E-07	4.72E-08	3.46E-08	1.25E-06
2130	495511.06	3859651.99	2.01E-03	2.06E-03	2.05E-03	6.97E-07	2.11E-06	1.22E-06	1.24E-06	1.13E-06	5.04E-07	5.14E-07	2.33E-08	5.63E-07	1.24E-07	1.69E-07	2.68E-07	4.63E-08	3.39E-08	1.23E-06
2131	495561.06	3859651.99	1.99E-03	2.03E-03	2.03E-03	6.90E-07	2.08E-06	1.21E-06	1.23E-06	1.11E-06	4.99E-07	5.08E-07	2.30E-08	5.56E-07	1.23E-07	1.67E-07	2.65E-07	4.58E-08	3.35E-08	1.21E-06
2132	495611.06	3859651.99	1.96E-03	2.00E-03	2.00E-03	6.79E-07	2.05E-06	1.19E-06	1.21E-06	1.10E-06	4.91E-07	5.00E-07	2.27E-08	5.48E-07	1.21E-07	1.64E-07	2.61E-07	4.50E-08	3.30E-08	1.19E-06
2133	495661.06	3859651.99	1.93E-03	1.97E-03	1.96E-03	6.67E-07	2.01E-06	1.17E-06	1.19E-06	1.08E-06	4.82E-07	4.92E-07	2.23E-08	5.38E-07	1.19E-07	1.62E-07	2.56E-07	4.43E-08	3.24E-08	1.17E-06
2134	494311.06	3859701.99	3.08E-03	3.14E-03	3.14E-03	1.07E-06	3.22E-06	1.86E-06	1.90E-06	1.72E-06	7.71E-07	7.85E-07	3.56E-08	8.60E-07	1.90E-07	2.58E-07	4.09E-07	7.07E-08	5.18E-08	1.88E-06
2135	494361.06	3859701.99	3.01E-03	3.07E-03	3.07E-03	1.04E-06	3.15E-06	1.82E-06	1.86E-06	1.69E-06	7.54E-07	7.68E-07	3.48E-08	8.41E-07	1.86E-07	2.53E-07	4.01E-07	6.92E-08	5.07E-08	1.83E-06
2136	494411.06	3859701.99	2.97E-03	3.04E-03	3.03E-03	1.03E-06	3.11E-06	1.80E-06	1.84E-06	1.67E-06	7.45E-07	7.59E-07	3.44E-08	8.31E-07	1.83E-07	2.49E-07	3.96E-07	6.83E-08	5.01E-08	1.81E-06
2137	494461.06	3859701.99	2.99E-03	3.05E-03	3.04E-03	1.03E-06	3.12E-06	1.81E-06	1.84E-06	1.67E-06	7.47E-07	7.62E-07	3.45E-08	8.34E-07	1.84E-07	2.50E-07	3.97E-07	6.86E-08	5.02E-08	1.82E-06
2138	494511.06	3859701.99	2.93E-03	2.99E-03	2.98E-03	1.01E-06	3.06E-06	1.77E-06	1.81E-06	1.64E-06	7.33E-07	7.47E-07	3.39E-08	8.18E-07	1.80E-07	2.45E-07	3.89E-07	6.73E-08	4.93E-08	1.78E-06
2139	494561.06	3859701.99	2.89E-03	2.95E-03	2.94E-03	1.00E-06	3.02E-06	1.75E-06	1.78E-06	1.62E-06	7.23E-07	7.37E-07	3.34E-08	8.06E-07	1.78E-07	2.42E-07	3.84E-07	6.63E-08	4.86E-08	1.76E-06
2140	494611.06	3859701.99	2.84E-03	2.90E-03	2.90E-03	9.84E-07	2.97E-06	1.72E-06	1.76E-06	1.59E-06	7.12E-07	7.25E-07	3.29E-08	7.94E-07	1.75E-07	2.38E-07	3.78E-07	6.53E-08	4.78E-08	1.73E-06
2141	494661.06	3859701.99	2.72E-03	2.77E-03	2.77E-03	9.40E-07	2.84E-06	1.64E-06	1.68E-06	1.52E-06	6.80E-07	6.93E-07	3.14E-08	7.58E-07	1.67E-07	2.28E-07	3.61E-07	6.24E-08	4.57E-08	1.65E-06
2142	494711.06	3859701.99	2.70E-03	2.75E-03	2.75E-03	9.33E-07	2.82E-06	1.63E-06	1.66E-06	1.51E-06	6.75E-07	6.88E-07	3.12E-08	7.53E-07	1.66E-07	2.26E-07	3.59E-07	6.19E-08	4.54E-08	1.64E-06
2143	494761.06	3859701.99	2.63E-03	2.69E-03	2.69E-03	9.12E-07	2.75E-06	1.59E-06	1.63E-06	1.47E-06	6.59E-07	6.72E-07	3.05E-08	7.36E-07	1.62E-07	2.21E-07	3.50E-07	6.05E-08	4.43E-08	1.60E-06
2144	494811.06	3859701.99	2.57E-03	2.63E-03	2.62E-03	8.91E-07	2.69E-06	1.56E-06	1.59E-06	1.44E-06	6.44E-07	6.57E-07	2.98E-08	7.19E-07	1.59E-07	2.16E-07	3.42E-07	5.91E-08	4.33E-08	1.57E-06
2145	494861.06	3859701.99	2.56E-03	2.61E-03	2.61E-03	8.86E-07	2.68E-06	1.55E-06	1.58E-06	1.43E-06	6.41E-07	6.53E-07	2.96E-08	7.15E-07	1.58E-07	2.15E-07	3.41E-07	5.88E-08	4.31E-08	1.56E-06
2146	494911.06	3859701.99	2.51E-03	2.56E-03	2.56E-03	8.69E-07	2.62E-06	1.52E-06	1.55E-06	1.41E-06	6.28E-07	6.40E-07	2.90E-08	7.01E-07	1.55E-07	2.10E-07	3.34E-07	5.77E-08	4.22E-08	1.53E-06
2147	494961.06	3859701.99	2.46E-03	2.51E-03	2.51E-03	8.53E-07	2.58E-06	1.49E-06	1.52E-06	1.38E-06	6.17E-07	6.29E-07	2.85E-08	6.88E-07	1.52E-07	2.07E-07	3.28E-07	5.66E-08	4.15E-08	1.50E-06
2148	495011.06	3859701.99	2.44E-03	2.48E-03	2.48E-03	8.43E-07	2.55E-06	1.47E-06	1.50E-06	1.36E-06	6.09E-07	6.21E-07	2.81E-08	6.80E-07	1.50E-07	2.04E-07	3.24E-07	5.59E-08	4.10E-08	1.48E-06
2149	495061.06	3859701.99	2.40E-03	2.45E-03	2.44E-03	8.30E-07	2.50E-06	1.45E-06	1.48E-06	1.34E-06	6.00E-07	6.11E-07	2.77E-08	6.69E-07	1.48E-07	2.01E-07	3.19E-07	5.50E-08	4.03E-08	1.46E-06
2150	495111.06	3859701.99	2.36E-03	2.41E-03	2.40E-03	8.16E-07	2.46E-06	1.43E-06	1.46E-06	1.32E-06	5.90E-07	6.02E-07	2.73E-08	6.58E-07	1.45E-07	1.98E-07	3.14E-07	5.42E-08	3.97E-08	1.44E-06
2151	495161.06	3859701.99	2.32E-03	2.36E-03	2.36E-03	8.02E-07	2.42E-06	1.40E-06	1.43E-06	1.30E-06	5.80E-07	5.91E-07	2.68E-08	6.47E-07	1.43E-07	1.94E-07	3.08E-07	5.32E-08	3.90E-08	1.41E-06
2152	495211.06	3859701.99	2.27E-03	2.32E-03	2.32E-03	7.87E-07	2.38E-06	1.38E-06	1.40E-06	1.27E-06	5.69E-07	5.80E-07	2.63E-08	6.35E-07	1.40E-07	1.91E-07	3.03E-07	5.22E-08	3.83E-08	1.39E-06
2153	495261.06	3859701.99	2.26E-03	2.31E-03	2.30E-03	7.82E-07	2.36E-06	1.37E-06	1.40E-06	1.26E-06	5.66E-07	5.77E-07	2.61E-08	6.31E-07	1.39E-07	1.89E-07	3.01E-07	5.19E-08	3.80E-08	1.38E-06
2154	495311.06	3859701.99	2.22E-03	2.27E-03	2.26E-03	7.69E-07	2.32E-06	1.34E-06	1.37E-06	1.24E-06	5.56E-07	5.67E-07	2.57E-08	6.20E-07	1.37E-07	1.86E-07	2.95E-07	5.10E-08	3.74E-08	1.35E-06
2155	495361.06	3859701.99	2.19E-03	2.23E-03	2.23E-03	7.57E-07	2.29E-06	1.32E-06	1.35E-06	1.22E-06	5.47E-07	5.58E-07	2.53E-08	6.11E-07	1.35E-07	1.83E-07	2.91E-07	5.02E-08	3.68E-08	1.33E-06
2156	495411.06	3859701.99	2.14E-03	2.19E-03	2.18E-03	7.42E-07	2.24E-06	1.30E-06	1.32E-06	1.20E-06	5.36E-07	5.47E-07	2.48E-08	5.98E-07	1.32E-07	1.80E-07	2.85E-07	4.92E-08	3.61E-08	1.31E-06
2157	495461.06	3859701.99	2.11E-03	2.15E-03	2.15E-03	7.30E-07	2.20E-06	1.28E-06	1.30E-06	1.18E-06	5.28E-07	5.38E-07	2.44E-08	5.89E-07	1.30E-07	1.77E-07	2.80E-07	4.84E-08	3.55E-08	1.28E-06
2158	495511.06	3859701.99	2.05E-03	2.09E-03	2.09E-03	7.10E-07	2.14E-06	1.24E-06	1.27E-06	1.15E-06	5.13E-07	5.23E-07	2.37E-08	5.73E-07	1.26E-07	1.72E-07	2.73E-07	4.71E-08	3.45E-08	1.25E-06
2159	495561.06	3859701.99	2.04E-03	2.09E-03	2.08E-03	7.08E-07	2.14E-06	1.24E-06	1.26E-06	1.14E-06	5.12E-07	5.21E-07	2.36E-08	5.71E-07	1.26E-07	1.71E-07	2.72E-07	4.69E-08	3.44E-08	1.24E-06

2160	495611.06	3859701.99	2.01E-03	2.05E-03	2.05E-03	6.97E-07	2.10E-06	1.22E-06	1.24E-06	1.13E-06	5.04E-07	5.14E-07	2.33E-08	5.62E-07	1.24E-07	1.69E-07	2.68E-07	4.63E-08	3.39E-08	1.23E-06
2161	495661.06	3859701.99	1.98E-03	2.02E-03	2.02E-03	6.86E-07	2.07E-06	1.20E-06	1.22E-06	1.11E-06	4.96E-07	5.05E-07	2.29E-08	5.53E-07	1.22E-07	1.66E-07	2.63E-07	4.55E-08	3.33E-08	1.21E-06
2162	494311.06	3859751.99	3.20E-03	3.27E-03	3.27E-03	1.11E-06	3.35E-06	1.94E-06	1.98E-06	1.79E-06	8.02E-07	8.17E-07	3.70E-08	8.95E-07	1.97E-07	2.69E-07	4.26E-07	7.36E-08	5.39E-08	1.95E-06
2163	494361.06	3859751.99	3.14E-03	3.20E-03	3.20E-03	1.09E-06	3.28E-06	1.90E-06	1.94E-06	1.76E-06	7.86E-07	8.01E-07	3.63E-08	8.77E-07	1.93E-07	2.63E-07	4.18E-07	7.21E-08	5.28E-08	1.91E-06
2164	494411.06	3859751.99	3.07E-03	3.13E-03	3.13E-03	1.06E-06	3.20E-06	1.86E-06	1.89E-06	1.72E-06	7.67E-07	7.82E-07	3.54E-08	8.56E-07	1.89E-07	2.57E-07	4.08E-07	7.04E-08	5.16E-08	1.87E-06
2165	494461.06	3859751.99	3.06E-03	3.12E-03	3.12E-03	1.06E-06	3.20E-06	1.85E-06	1.89E-06	1.71E-06	7.66E-07	7.81E-07	3.54E-08	8.55E-07	1.89E-07	2.57E-07	4.07E-07	7.03E-08	5.15E-08	1.86E-06
2166	494511.06	3859751.99	3.04E-03	3.10E-03	3.09E-03	1.05E-06	3.17E-06	1.84E-06	1.87E-06	1.70E-06	7.60E-07	7.75E-07	3.51E-08	8.48E-07	1.87E-07	2.55E-07	4.04E-07	6.97E-08	5.11E-08	1.85E-06
2167	494561.06	3859751.99	2.98E-03	3.04E-03	3.04E-03	1.03E-06	3.11E-06	1.80E-06	1.84E-06	1.67E-06	7.46E-07	7.60E-07	3.44E-08	8.32E-07	1.84E-07	2.50E-07	3.96E-07	6.84E-08	5.01E-08	1.81E-06
2168	494611.06	3859751.99	2.91E-03	2.97E-03	2.97E-03	1.01E-06	3.04E-06	1.76E-06	1.80E-06	1.63E-06	7.28E-07	7.42E-07	3.36E-08	8.12E-07	1.79E-07	2.44E-07	3.87E-07	6.68E-08	4.89E-08	1.77E-06
2169	494661.06	3859751.99	2.80E-03	2.85E-03	2.85E-03	9.68E-07	2.92E-06	1.69E-06	1.73E-06	1.57E-06	7.00E-07	7.14E-07	3.23E-08	7.81E-07	1.72E-07	2.34E-07	3.72E-07	6.42E-08	4.71E-08	1.70E-06
2170	494711.06	3859751.99	2.79E-03	2.84E-03	2.84E-03	9.64E-07	2.91E-06	1.69E-06	1.72E-06	1.56E-06	6.97E-07	7.11E-07	3.22E-08	7.78E-07	1.72E-07	2.34E-07	3.70E-07	6.40E-08	4.69E-08	1.70E-06
2171	494761.06	3859751.99	2.75E-03	2.80E-03	2.80E-03	9.51E-07	2.87E-06	1.66E-06	1.70E-06	1.54E-06	6.88E-07	7.01E-07	3.18E-08	7.67E-07	1.69E-07	2.30E-07	3.65E-07	6.31E-08	4.62E-08	1.67E-06
2172	494811.06	3859751.99	2.69E-03	2.74E-03	2.74E-03	9.31E-07	2.81E-06	1.63E-06	1.66E-06	1.50E-06	6.73E-07	6.86E-07	3.11E-08	7.51E-07	1.66E-07	2.25E-07	3.58E-07	6.17E-08	4.52E-08	1.64E-06
2173	494861.06	3859751.99	2.65E-03	2.70E-03	2.70E-03	9.16E-07	2.77E-06	1.60E-06	1.63E-06	1.48E-06	6.62E-07	6.75E-07	3.06E-08	7.39E-07	1.63E-07	2.22E-07	3.52E-07	6.08E-08	4.45E-08	1.61E-06
2174	494911.06	3859751.99	2.60E-03	2.66E-03	2.65E-03	9.01E-07	2.72E-06	1.58E-06	1.61E-06	1.46E-06	6.52E-07	6.64E-07	3.01E-08	7.27E-07	1.60E-07	2.18E-07	3.46E-07	5.98E-08	4.38E-08	1.59E-06
2175	494961.06	3859751.99	2.56E-03	2.61E-03	2.61E-03	8.87E-07	2.68E-06	1.55E-06	1.58E-06	1.43E-06	6.41E-07	6.54E-07	2.96E-08	7.15E-07	1.58E-07	2.15E-07	3.41E-07	5.88E-08	4.31E-08	1.56E-06
2176	495011.06	3859751.99	2.52E-03	2.57E-03	2.57E-03	8.72E-07	2.63E-06	1.52E-06	1.55E-06	1.41E-06	6.30E-07	6.42E-07	2.91E-08	7.03E-07	1.55E-07	2.11E-07	3.35E-07	5.78E-08	4.24E-08	1.53E-06
2177	495061.06	3859751.99	2.49E-03	2.54E-03	2.53E-03	8.61E-07	2.60E-06	1.50E-06	1.54E-06	1.39E-06	6.22E-07	6.34E-07	2.87E-08	6.94E-07	1.53E-07	2.08E-07	3.31E-07	5.71E-08	4.18E-08	1.51E-06
2178	495111.06	3859751.99	2.44E-03	2.49E-03	2.49E-03	8.46E-07	2.56E-06	1.48E-06	1.51E-06	1.37E-06	6.12E-07	6.24E-07	2.83E-08	6.83E-07	1.51E-07	2.05E-07	3.25E-07	5.62E-08	4.11E-08	1.49E-06
2179	495161.06	3859751.99	2.40E-03	2.45E-03	2.45E-03	8.31E-07	2.51E-06	1.45E-06	1.48E-06	1.34E-06	6.01E-07	6.12E-07	2.77E-08	6.70E-07	1.48E-07	2.01E-07	3.19E-07	5.51E-08	4.04E-08	1.46E-06
2180	495211.06	3859751.99	2.35E-03	2.40E-03	2.40E-03	8.15E-07	2.46E-06	1.42E-06	1.45E-06	1.32E-06	5.89E-07	6.01E-07	2.72E-08	6.58E-07	1.45E-07	1.97E-07	3.13E-07	5.41E-08	3.96E-08	1.43E-06
2181	495261.06	3859751.99	2.32E-03	2.37E-03	2.37E-03	8.05E-07	2.43E-06	1.41E-06	1.44E-06	1.30E-06	5.82E-07	5.93E-07	2.69E-08	6.49E-07	1.43E-07	1.95E-07	3.09E-07	5.34E-08	3.91E-08	1.42E-06
2182	495311.06	3859751.99	2.29E-03	2.33E-03	2.33E-03	7.91E-07	2.39E-06	1.38E-06	1.41E-06	1.28E-06	5.72E-07	5.83E-07	2.64E-08	6.38E-07	1.41E-07	1.92E-07	3.04E-07	5.25E-08	3.84E-08	1.39E-06
2183	495361.06	3859751.99	2.25E-03	2.30E-03	2.29E-03	7.79E-07	2.35E-06	1.36E-06	1.39E-06	1.26E-06	5.63E-07	5.74E-07	2.60E-08	6.28E-07	1.39E-07	1.89E-07	2.99E-07	5.17E-08	3.79E-08	1.37E-06
2184	495411.06	3859751.99	2.22E-03	2.26E-03	2.26E-03	7.67E-07	2.32E-06	1.34E-06	1.37E-06	1.24E-06	5.55E-07	5.65E-07	2.56E-08	6.19E-07	1.37E-07	1.86E-07	2.95E-07	5.09E-08	3.73E-08	1.35E-06
2185	495461.06	3859751.99	2.17E-03	2.21E-03	2.21E-03	7.51E-07	2.27E-06	1.31E-06	1.34E-06	1.21E-06	5.43E-07	5.53E-07	2.51E-08	6.06E-07	1.34E-07	1.82E-07	2.88E-07	4.98E-08	3.65E-08	1.32E-06
2186	495511.06	3859751.99	2.12E-03	2.17E-03	2.16E-03	7.35E-07	2.22E-06	1.28E-06	1.31E-06	1.19E-06	5.31E-07	5.42E-07	2.45E-08	5.93E-07	1.31E-07	1.78E-07	2.82E-07	4.88E-08	3.57E-08	1.29E-06
2187	495561.06	3859751.99	2.09E-03	2.13E-03	2.13E-03	7.24E-07	2.19E-06	1.27E-06	1.29E-06	1.17E-06	5.23E-07	5.34E-07	2.42E-08	5.84E-07	1.29E-07	1.75E-07	2.78E-07	4.80E-08	3.52E-08	1.27E-06
2188	495611.06	3859751.99	2.06E-03	2.10E-03	2.10E-03	7.13E-07	2.15E-06	1.25E-06	1.27E-06	1.15E-06	5.16E-07	5.26E-07	2.38E-08	5.75E-07	1.27E-07	1.73E-07	2.74E-07	4.73E-08	3.47E-08	1.25E-06
2189	495661.06	3859751.99	2.04E-03	2.08E-03	2.08E-03	7.05E-07	2.13E-06	1.23E-06	1.26E-06	1.14E-06	5.10E-07	5.19E-07	2.35E-08	5.69E-07	1.25E-07	1.71E-07	2.71E-07	4.68E-08	3.43E-08	1.24E-06
2190	494311.06	3859801.99	3.32E-03	3.39E-03	3.39E-03	1.15E-06	3.47E-06	2.01E-06	2.05E-06	1.86E-06	8.32E-07	8.48E-07	3.84E-08	9.28E-07	2.05E-07	2.79E-07	4.42E-07	7.64E-08	5.59E-08	2.02E-06
2191	494361.06	3859801.99	3.23E-03	3.30E-03	3.30E-03	1.12E-06	3.38E-06	1.96E-06	2.00E-06	1.81E-06	8.10E-07	8.25E-07	3.74E-08	9.03E-07	1.99E-07	2.71E-07	4.30E-07	7.43E-08	5.44E-08	1.97E-06
2192	494411.06	3859801.99	3.14E-03	3.21E-03	3.20E-03	1.09E-06	3.28E-06	1.90E-06	1.94E-06	1.76E-06	7.86E-07	8.01E-07	3.63E-08	8.77E-07	1.94E-07	2.63E-07	4.18E-07	7.22E-08	5.29E-08	1.91E-06
2193	494461.06	3859801.99	3.13E-03	3.20E-03	3.19E-03	1.08E-06	3.27E-06	1.89E-06	1.93E-06	1.75E-06	7.84E-07	7.99E-07	3.62E-08	8.74E-07	1.93E-07	2.62E-07	4.16E-07	7.19E-08	5.27E-08	1.91E-06
2194	494511.06	3859801.99	3.13E-03	3.19E-03	3.19E-03	1.08E-06	3.27E-06	1.89E-06	1.93E-06	1.75E-06	7.82E-07	7.97E-07	3.61E-08	8.73E-07	1.93E-07	2.62E-07	4.16E-07	7.18E-08	5.26E-08	1.90E-06
2195	494561.06	3859801.99	3.07E-03	3.13E-03	3.13E-03	1.06E-06	3.21E-06	1.86E-06	1.90E-06	1.72E-06	7.68E-07	7.83E-07	3.55E-08	8.57E-07	1.89E-07	2.57E-07	4.08E-07	7.05E-08	5.17E-08	1.87E-06
2196	494611.06	3859801.99	2.97E-03	3.03E-03	3.02E-03	1.03E-06	3.10E-06	1.80E-06	1.83E-06	1.66E-06	7.43E-07	7.57E-07	3.43E-08	8.28E-07	1.83E-07	2.49E-07	3.95E-07	6.81E-08	4.99E-08	1.81E-06
2197	494661.06	3859801.99	2.91E-03	2.97E-03	2.96E-03	1.01E-06	3.04E-06	1.76E-06	1.79E-06	1.63E-06	7.27E-07	7.41E-07	3.36E-08	8.12E-07	1.79E-07	2.44E-07	3.87E-07	6.68E-08	4.89E-08	1.77E-06
2198	494711.06	3859801.99	2.84E-03	2.89E-03	2.89E-03	9.82E-07	2.96E-06	1.72E-06	1.75E-06	1.59E-06	7.10E-07	7.23E-07	3.28E-08	7.92E-07	1.75E-07	2.38E-07	3.77E-07	6.51E-08	4.77E-08	1.73E-06
2199	494761.06	3859801.99	2.83E-03	2.89E-03	2.88E-03	9.80E-07	2.96E-06	1.71E-06	1.75E-06	1.58E-06	7.08E-07	7.22E-07	3.27E-08	7.90E-07	1.74E-07	2.37E-07	3.76E-07	6.50E-08	4.76E-08	1.72E-06
2200	494811.06	3859801.99	2.77E-03	2.83E-03	2.83E-03	9.60E-07	2.90E-06	1.68E-06	1.71E-06	1.55E-06	6.94E-07	7.08E-07	3.21E-08	7.75E-07	1.71E-07	2.33E-07	3.69E-07	6.37E-08	4.67E-08	1.69E-06
2201	494861.06	3859801.99	2.73E-03	2.79E-03	2.79E-03	9.46E-07	2.86E-06	1.65E-06	1.69E-06	1.53E-06	6.84E-07	6.97E-07	3.16E-08	7.63E-07	1.68E-07	2.29E-07	3.64E-07	6.28E-08	4.60E-08	1.67E-06
2202	494911.06	3859801.99	2.68E-03	2.73E-03	2.73E-03	9.26E-07	2.80E-06	1.62E-06	1.65E-06	1.50E-06	6.70E-07	6.83E-07	3.09E-08	7.47E-07	1.65E-07	2.24E-07	3.56E-07	6.15E-08	4.50E-08	1.63E-06
2203	494961.06	3859801.99	2.63E-03	2.69E-03	2.68E-03	9.11E-07	2.75E-06	1.59E-06	1.63E-06	1.47E-06	6.59E-07	6.72E-07	3.04E-08	7.35E-07	1.62E-07	2.21E-07	3.50E-07	6.05E-08	4.43E-08	1.60E-06
2204	495011.06	3859801.99	2.59E-03	2.64E-03	2.64E-03	8.96E-07	2.70E-06	1.57E-06	1.60E-06	1.45E-06	6.48E-07	6.60E-07	2.99E-08	7.23E-07	1.59E-07	2.17E-07	3.44E-07	5.94E-08	4.35E-08	1.58E-06
2205	495061.06	3859801.99	2.55E-03	2.60E-03	2.60E-03	8.83E-07	2.67E-06	1.54E-06	1.58E-06	1.43E-06	6.38E-07	6.51E-07	2.95E-08	7.12E-07	1.57E-07	2.14E-07	3.39E-07	5.86E-08	4.29E-08	1.55E-06
2206	495111.06	3859801.99	2.50E-03	2.55E-03	2.55E-03	8.66E-07	2.61E-06	1.51E-06	1.54E-06	1.40E-06	6.26E-07	6.38E-07	2.89E-08	6.98E-07	1.54E-07	2.10E-07	3.33E-07	5.75E-08	4.21E-08	1.52E-06
2207	495161.06	3859801.99	2.46E-03	2.51E-03	2.50E-03	8.50E-07	2.57E-06	1.49E-06	1.52E-06	1.37E-06	6.15E-07	6.26E-07	2.84E-08	6.86E-07	1.51E-07	2.06E-07	3.27E-07	5.64E-08	4.13E-08	1.50E-06
2208	495211.06	3859801.99	2.42E-03	2.47E-03	2.47E-03	8.38E-07	2.53E-06	1.47E-06	1.50E-06	1.36E-06	6.06E-07	6.18E-07	2.80E-08	6.76E-07	1.49E-07	2.03E-07	3.22E-07	5.56E-08	4.07E-08	1.47E-06
2209	495261.06	3859801.99	2.38E-03	2.42E-03	2.42E-03	8.23E-07	2.48E-06	1.44E-06	1.47E-06	1.33E-06	5.95E-07	6.06E-07	2.75E-08	6.64E-07	1.46E-07	1.99E-07	3.16E-07	5.46E-08	4.00E-08	1.45E-06
2210	495311.06	3859801.99	2.35E-03	2.39E-03	2.39E-03	8.12E-07	2.45E-06	1.42E-06	1.45E-06	1.31E-06	5.87E-07	5.98E-07	2.71E-08	6.55E-07	1.45E-07	1.97E-07	3.12E-07	5.39E-08	3.95E-08	1.43E-06
2211	495361.06	3859801.99	2.31E-03	2.35E-03	2.35E-03	7.98E-07	2.41E-06	1.40E-06	1.42E-06	1.29E-06	5.77E-07	5.88E-07	2.67E-08	6.44E-07	1.42E-07	1.93E-07	3.07E-07	5.30E-08	3.88E-08	1.40E-06
2212	495411.06	3859801.99	2.26E-03	2.31E-03	2.31E-03	7.83E-07	2.36E-06	1.37E-06	1.40E-06	1.27E-06	5.66E-07	5.77E-07	2.61E-08	6.32E-07	1.39E-07	1.90E-07	3.01E-07	5.19E-08	3.81E-08	1.38E-06
2213	495461.06	3859801.99	2.23E-03	2.27E-03	2.27E-03	7.71E-07	2.33E-06	1.35E-06	1.37E-06	1.25E-06	5.57E-07	5.68E-07	2.57E-08	6.22E-07	1.37E-07	1.87E-07	2.96E-07	5.11E-08	3.75E-08	1.36E-06
2214	495511.06	3859801.99	2.18E-03	2.22E-03	2.22E-03	7.53E-07	2.27E-06	1.32E-06	1.34E-06	1.22E-06	5.45E-07	5.55E-07	2.52E-08	6.08E-07	1.34E-07	1.82E-07	2.89E-07	5.00E-08	3.66E-08	1.33E-06
2215	495561.06	3859801.99	2.15E-03	2.19E-03	2.19E-03	7.43E-07	2.24E-06	1.30E-06	1.33E-06	1.20E-06	5.37E-07	5.48E-07	2.48E-08	5.99E-07	1.32E-07	1.80E-07	2.85E-07	4.93E-08	3.61E-08	1.31E-06
2216	495611.06	3859801.99	2.13E-03	2.17E-03	2.17E-03	7.37E-07	2.23E-06	1.29E-06	1.31E-06	1.19E-06	5.33E-07	5.43E-07	2.46E-08	5.95E-07	1.31E-07	1.78E-07	2.83E-07	4.89E-08	3.58E-08	1.30E-06

2217	495661.06	3859801.99	2.09E-03	2.13E-03	2.13E-03	7.22E-07	2.18E-06	1.26E-06	1.29E-06	1.17E-06	5.22E-07	5.32E-07	2.41E-08	5.83E-07	1.29E-07	1.75E-07	2.77E-07	4.79E-08	3.51E-08	1.27E-06
2218	494311.06	3859851.99	3.41E-03	3.48E-03	3.48E-03	1.18E-06	3.56E-06	2.06E-06	2.11E-06	1.91E-06	8.54E-07	8.70E-07	3.94E-08	9.52E-07	2.10E-07	2.86E-07	4.54E-07	7.83E-08	5.74E-08	2.08E-06
2219	494361.06	3859851.99	3.33E-03	3.40E-03	3.40E-03	1.15E-06	3.48E-06	2.02E-06	2.06E-06	1.86E-06	8.34E-07	8.50E-07	3.85E-08	9.30E-07	2.05E-07	2.79E-07	4.43E-07	7.65E-08	5.61E-08	2.03E-06
2220	494411.06	3859851.99	3.25E-03	3.31E-03	3.31E-03	1.12E-06	3.39E-06	1.96E-06	2.00E-06	1.82E-06	8.13E-07	8.28E-07	3.75E-08	9.07E-07	2.00E-07	2.72E-07	4.32E-07	7.46E-08	5.46E-08	1.98E-06
2221	494461.06	3859851.99	3.18E-03	3.25E-03	3.24E-03	1.10E-06	3.33E-06	1.93E-06	1.97E-06	1.78E-06	7.97E-07	8.12E-07	3.68E-08	8.89E-07	1.96E-07	2.67E-07	4.23E-07	7.31E-08	5.36E-08	1.94E-06
2222	494511.06	3859851.99	3.16E-03	3.22E-03	3.22E-03	1.09E-06	3.30E-06	1.91E-06	1.95E-06	1.77E-06	7.90E-07	8.06E-07	3.65E-08	8.82E-07	1.95E-07	2.65E-07	4.20E-07	7.25E-08	5.31E-08	1.92E-06
2223	494561.06	3859851.99	3.14E-03	3.21E-03	3.20E-03	1.09E-06	3.28E-06	1.90E-06	1.94E-06	1.76E-06	7.86E-07	8.01E-07	3.63E-08	8.77E-07	1.94E-07	2.63E-07	4.18E-07	7.22E-08	5.29E-08	1.91E-06
2224	494611.06	3859851.99	3.03E-03	3.09E-03	3.09E-03	1.05E-06	3.17E-06	1.83E-06	1.87E-06	1.70E-06	7.58E-07	7.73E-07	3.50E-08	8.46E-07	1.87E-07	2.54E-07	4.03E-07	6.96E-08	5.10E-08	1.85E-06
2225	494661.06	3859851.99	3.00E-03	3.06E-03	3.06E-03	1.04E-06	3.13E-06	1.81E-06	1.85E-06	1.68E-06	7.51E-07	7.65E-07	3.47E-08	8.37E-07	1.85E-07	2.51E-07	3.99E-07	6.89E-08	5.05E-08	1.83E-06
2226	494711.06	3859851.99	2.92E-03	2.98E-03	2.97E-03	1.01E-06	3.05E-06	1.76E-06	1.80E-06	1.63E-06	7.30E-07	7.44E-07	3.37E-08	8.14E-07	1.80E-07	2.45E-07	3.88E-07	6.70E-08	4.91E-08	1.78E-06
2227	494761.06	3859851.99	2.90E-03	2.96E-03	2.96E-03	1.01E-06	3.03E-06	1.76E-06	1.79E-06	1.62E-06	7.27E-07	7.41E-07	3.36E-08	8.11E-07	1.79E-07	2.43E-07	3.86E-07	6.67E-08	4.88E-08	1.77E-06
2228	494811.06	3859851.99	2.85E-03	2.91E-03	2.90E-03	9.86E-07	2.98E-06	1.72E-06	1.76E-06	1.59E-06	7.13E-07	7.27E-07	3.29E-08	7.96E-07	1.76E-07	2.39E-07	3.79E-07	6.54E-08	4.79E-08	1.74E-06
2229	494861.06	3859851.99	2.81E-03	2.87E-03	2.87E-03	9.74E-07	2.94E-06	1.70E-06	1.74E-06	1.57E-06	7.04E-07	7.18E-07	3.25E-08	7.85E-07	1.73E-07	2.36E-07	3.74E-07	6.46E-08	4.73E-08	1.71E-06
2230	494911.06	3859851.99	2.75E-03	2.81E-03	2.81E-03	9.53E-07	2.88E-06	1.67E-06	1.70E-06	1.54E-06	6.89E-07	7.02E-07	3.18E-08	7.69E-07	1.70E-07	2.31E-07	3.66E-07	6.33E-08	4.63E-08	1.68E-06
2231	494961.06	3859851.99	2.71E-03	2.76E-03	2.76E-03	9.38E-07	2.83E-06	1.64E-06	1.67E-06	1.52E-06	6.78E-07	6.91E-07	3.13E-08	7.56E-07	1.67E-07	2.27E-07	3.60E-07	6.22E-08	4.56E-08	1.65E-06
2232	495011.06	3859851.99	2.66E-03	2.72E-03	2.71E-03	9.22E-07	2.78E-06	1.61E-06	1.64E-06	1.49E-06	6.66E-07	6.79E-07	3.08E-08	7.43E-07	1.64E-07	2.23E-07	3.54E-07	6.12E-08	4.48E-08	1.62E-06
2233	495061.06	3859851.99	2.62E-03	2.68E-03	2.68E-03	9.09E-07	2.74E-06	1.59E-06	1.62E-06	1.47E-06	6.57E-07	6.70E-07	3.03E-08	7.33E-07	1.62E-07	2.20E-07	3.49E-07	6.03E-08	4.42E-08	1.60E-06
2234	495111.06	3859851.99	2.57E-03	2.62E-03	2.62E-03	8.90E-07	2.69E-06	1.55E-06	1.59E-06	1.44E-06	6.43E-07	6.56E-07	2.97E-08	7.18E-07	1.58E-07	2.15E-07	3.42E-07	5.90E-08	4.32E-08	1.56E-06
2235	495161.06	3859851.99	2.52E-03	2.58E-03	2.57E-03	8.74E-07	2.64E-06	1.53E-06	1.56E-06	1.41E-06	6.32E-07	6.44E-07	2.92E-08	7.05E-07	1.56E-07	2.12E-07	3.36E-07	5.80E-08	4.25E-08	1.54E-06
2236	495211.06	3859851.99	2.48E-03	2.53E-03	2.53E-03	8.60E-07	2.60E-06	1.50E-06	1.53E-06	1.39E-06	6.21E-07	6.33E-07	2.87E-08	6.93E-07	1.53E-07	2.08E-07	3.30E-07	5.70E-08	4.18E-08	1.51E-06
2237	495261.06	3859851.99	2.44E-03	2.49E-03	2.49E-03	8.45E-07	2.55E-06	1.48E-06	1.51E-06	1.37E-06	6.11E-07	6.22E-07	2.82E-08	6.81E-07	1.50E-07	2.05E-07	3.24E-07	5.60E-08	4.11E-08	1.49E-06
2238	495311.06	3859851.99	2.41E-03	2.45E-03	2.45E-03	8.33E-07	2.51E-06	1.46E-06	1.49E-06	1.35E-06	6.02E-07	6.14E-07	2.78E-08	6.72E-07	1.48E-07	2.02E-07	3.20E-07	5.52E-08	4.05E-08	1.46E-06
2239	495361.06	3859851.99	2.37E-03	2.42E-03	2.41E-03	8.20E-07	2.47E-06	1.43E-06	1.46E-06	1.33E-06	5.93E-07	6.04E-07	2.74E-08	6.61E-07	1.46E-07	1.98E-07	3.15E-07	5.44E-08	3.98E-08	1.44E-06
2240	495411.06	3859851.99	2.32E-03	2.37E-03	2.37E-03	8.04E-07	2.43E-06	1.41E-06	1.43E-06	1.30E-06	5.81E-07	5.92E-07	2.68E-08	6.48E-07	1.43E-07	1.95E-07	3.09E-07	5.33E-08	3.91E-08	1.41E-06
2241	495461.06	3859851.99	2.28E-03	2.33E-03	2.32E-03	7.89E-07	2.38E-06	1.38E-06	1.41E-06	1.28E-06	5.71E-07	5.82E-07	2.64E-08	6.37E-07	1.40E-07	1.91E-07	3.03E-07	5.24E-08	3.84E-08	1.39E-06
2242	495511.06	3859851.99	2.23E-03	2.28E-03	2.28E-03	7.73E-07	2.33E-06	1.35E-06	1.38E-06	1.25E-06	5.59E-07	5.70E-07	2.58E-08	6.24E-07	1.38E-07	1.87E-07	2.97E-07	5.13E-08	3.76E-08	1.36E-06
2243	495561.06	3859851.99	2.21E-03	2.25E-03	2.25E-03	7.64E-07	2.31E-06	1.34E-06	1.36E-06	1.24E-06	5.52E-07	5.63E-07	2.55E-08	6.16E-07	1.36E-07	1.85E-07	2.93E-07	5.07E-08	3.71E-08	1.34E-06
2244	495611.06	3859851.99	2.18E-03	2.22E-03	2.22E-03	7.54E-07	2.28E-06	1.32E-06	1.35E-06	1.22E-06	5.45E-07	5.56E-07	2.52E-08	6.08E-07	1.34E-07	1.83E-07	2.90E-07	5.00E-08	3.67E-08	1.33E-06
2245	495661.06	3859851.99	2.14E-03	2.18E-03	2.18E-03	7.39E-07	2.23E-06	1.29E-06	1.32E-06	1.20E-06	5.35E-07	5.45E-07	2.47E-08	5.96E-07	1.32E-07	1.79E-07	2.84E-07	4.91E-08	3.59E-08	1.30E-06
2246	494311.06	3859901.99	3.48E-03	3.55E-03	3.55E-03	1.21E-06	3.64E-06	2.11E-06	2.15E-06	1.95E-06	8.72E-07	8.89E-07	4.03E-08	9.73E-07	2.15E-07	2.92E-07	4.63E-07	8.00E-08	5.86E-08	2.12E-06
2247	494361.06	3859901.99	3.37E-03	3.44E-03	3.44E-03	1.17E-06	3.52E-06	2.04E-06	2.08E-06	1.89E-06	8.44E-07	8.60E-07	3.90E-08	9.41E-07	2.08E-07	2.83E-07	4.48E-07	7.74E-08	5.67E-08	2.05E-06
2248	494411.06	3859901.99	3.33E-03	3.40E-03	3.39E-03	1.15E-06	3.48E-06	2.01E-06	2.06E-06	1.86E-06	8.33E-07	8.49E-07	3.85E-08	9.30E-07	2.05E-07	2.79E-07	4.43E-07	7.65E-08	5.60E-08	2.03E-06
2249	494461.06	3859901.99	3.27E-03	3.33E-03	3.33E-03	1.13E-06	3.41E-06	1.98E-06	2.02E-06	1.83E-06	8.17E-07	8.33E-07	3.77E-08	9.12E-07	2.01E-07	2.74E-07	4.34E-07	7.50E-08	5.49E-08	1.99E-06
2250	494511.06	3859901.99	3.22E-03	3.29E-03	3.28E-03	1.12E-06	3.37E-06	1.95E-06	1.99E-06	1.80E-06	8.06E-07	8.22E-07	3.72E-08	8.99E-07	1.98E-07	2.70E-07	4.28E-07	7.40E-08	5.42E-08	1.96E-06
2251	494561.06	3859901.99	3.22E-03	3.28E-03	3.28E-03	1.11E-06	3.36E-06	1.95E-06	1.99E-06	1.80E-06	8.06E-07	8.21E-07	3.72E-08	8.99E-07	1.98E-07	2.70E-07	4.28E-07	7.39E-08	5.42E-08	1.96E-06
2252	494611.06	3859901.99	3.10E-03	3.16E-03	3.16E-03	1.07E-06	3.24E-06	1.88E-06	1.91E-06	1.73E-06	7.76E-07	7.91E-07	3.58E-08	8.65E-07	1.91E-07	2.60E-07	4.12E-07	7.12E-08	5.21E-08	1.89E-06
2253	494661.06	3859901.99	3.09E-03	3.15E-03	3.15E-03	1.07E-06	3.23E-06	1.87E-06	1.91E-06	1.73E-06	7.73E-07	7.88E-07	3.57E-08	8.62E-07	1.90E-07	2.59E-07	4.11E-07	7.09E-08	5.19E-08	1.88E-06
2254	494711.06	3859901.99	2.98E-03	3.04E-03	3.03E-03	1.03E-06	3.11E-06	1.80E-06	1.84E-06	1.67E-06	7.45E-07	7.59E-07	3.44E-08	8.31E-07	1.83E-07	2.50E-07	3.96E-07	6.84E-08	5.01E-08	1.81E-06
2255	494761.06	3859901.99	2.95E-03	3.01E-03	3.01E-03	1.02E-06	3.09E-06	1.79E-06	1.82E-06	1.65E-06	7.39E-07	7.53E-07	3.41E-08	8.24E-07	1.82E-07	2.47E-07	3.93E-07	6.78E-08	4.97E-08	1.80E-06
2256	494811.06	3859901.99	2.93E-03	2.99E-03	2.98E-03	1.01E-06	3.06E-06	1.77E-06	1.81E-06	1.64E-06	7.33E-07	7.47E-07	3.38E-08	8.17E-07	1.80E-07	2.45E-07	3.89E-07	6.72E-08	4.93E-08	1.78E-06
2257	494861.06	3859901.99	2.89E-03	2.95E-03	2.94E-03	9.99E-07	3.02E-06	1.75E-06	1.78E-06	1.62E-06	7.23E-07	7.36E-07	3.34E-08	8.06E-07	1.78E-07	2.42E-07	3.84E-07	6.63E-08	4.86E-08	1.76E-06
2258	494911.06	3859901.99	2.82E-03	2.88E-03	2.88E-03	9.78E-07	2.95E-06	1.71E-06	1.74E-06	1.58E-06	7.07E-07	7.21E-07	3.27E-08	7.89E-07	1.74E-07	2.37E-07	3.76E-07	6.49E-08	4.75E-08	1.72E-06
2259	494961.06	3859901.99	2.78E-03	2.84E-03	2.84E-03	9.64E-07	2.91E-06	1.68E-06	1.72E-06	1.56E-06	6.97E-07	7.10E-07	3.22E-08	7.77E-07	1.72E-07	2.33E-07	3.70E-07	6.39E-08	4.68E-08	1.70E-06
2260	495011.06	3859901.99	2.73E-03	2.79E-03	2.78E-03	9.45E-07	2.85E-06	1.65E-06	1.69E-06	1.53E-06	6.83E-07	6.96E-07	3.16E-08	7.62E-07	1.68E-07	2.29E-07	3.63E-07	6.27E-08	4.59E-08	1.66E-06
2261	495061.06	3859901.99	2.68E-03	2.74E-03	2.73E-03	9.29E-07	2.80E-06	1.62E-06	1.66E-06	1.50E-06	6.71E-07	6.84E-07	3.10E-08	7.49E-07	1.65E-07	2.25E-07	3.57E-07	6.16E-08	4.51E-08	1.63E-06
2262	495111.06	3859901.99	2.63E-03	2.68E-03	2.68E-03	9.09E-07	2.74E-06	1.59E-06	1.62E-06	1.47E-06	6.57E-07	6.70E-07	3.03E-08	7.33E-07	1.62E-07	2.20E-07	3.49E-07	6.03E-08	4.42E-08	1.60E-06
2263	495161.06	3859901.99	2.57E-03	2.63E-03	2.62E-03	8.91E-07	2.69E-06	1.56E-06	1.59E-06	1.44E-06	6.44E-07	6.56E-07	2.97E-08	7.18E-07	1.59E-07	2.16E-07	3.42E-07	5.91E-08	4.33E-08	1.57E-06
2264	495211.06	3859901.99	2.54E-03	2.59E-03	2.59E-03	8.79E-07	2.66E-06	1.54E-06	1.57E-06	1.42E-06	6.36E-07	6.48E-07	2.94E-08	7.09E-07	1.57E-07	2.13E-07	3.38E-07	5.84E-08	4.27E-08	1.55E-06
2265	495261.06	3859901.99	2.48E-03	2.53E-03	2.53E-03	8.60E-07	2.60E-06	1.50E-06	1.53E-06	1.39E-06	6.22E-07	6.33E-07	2.87E-08	6.93E-07	1.53E-07	2.08E-07	3.30E-07	5.70E-08	4.18E-08	1.51E-06
2266	495311.06	3859901.99	2.45E-03	2.50E-03	2.50E-03	8.49E-07	2.56E-06	1.48E-06	1.51E-06	1.37E-06	6.14E-07	6.26E-07	2.84E-08	6.85E-07	1.51E-07	2.06E-07	3.26E-07	5.63E-08	4.13E-08	1.49E-06
2267	495361.06	3859901.99	2.41E-03	2.46E-03	2.46E-03	8.34E-07	2.52E-06	1.46E-06	1.49E-06	1.35E-06	6.03E-07	6.15E-07	2.79E-08	6.73E-07	1.48E-07	2.02E-07	3.20E-07	5.54E-08	4.06E-08	1.47E-06
2268	495411.06	3859901.99	2.36E-03	2.41E-03	2.41E-03	8.18E-07	2.47E-06	1.43E-06	1.46E-06	1.32E-06	5.91E-07	6.03E-07	2.73E-08	6.60E-07	1.46E-07	1.98E-07	3.14E-07	5.43E-08	3.98E-08	1.44E-06
2269	495461.06	3859901.99	2.32E-03	2.37E-03	2.37E-03	8.03E-07	2.43E-06	1.40E-06	1.43E-06	1.30E-06	5.81E-07	5.92E-07	2.68E-08	6.48E-07	1.43E-07	1.95E-07	3.09E-07	5.33E-08	3.91E-08	1.41E-06
2270	495511.06	3859901.99	2.29E-03	2.34E-03	2.33E-03	7.93E-07	2.39E-06	1.39E-06	1.41E-06	1.28E-06	5.73E-07	5.84E-07	2.65E-08	6.40E-07	1.41E-07	1.92E-07	3.05E-07	5.26E-08	3.85E-08	1.40E-06
2271	495561.06	3859901.99	2.26E-03	2.31E-03	2.30E-03	7.83E-07	2.36E-06	1.37E-06	1.40E-06	1.27E-06	5.66E-07	5.77E-07	2.61E-08	6.31E-07	1.39E-07	1.90E-07	3.01E-07	5.19E-08	3.80E-08	1.38E-06
2272	495611.06	3859901.99	2.22E-03	2.26E-03	2.26E-03	7.68E-07	2.32E-06	1.34E-06	1.37E-06	1.24E-06	5.55E-07	5.66E-07	2.57E-08	6.20E-07	1.37E-07	1.86E-07	2.95E-07	5.10E-08	3.73E-08	1.35E-06
2273	495661.06	3859901.99	2.18E-03	2.22E-03	2.22E-03	7.53E-07	2.27E-06	1.32E-06	1.34E-06	1.22E-06	5.45E-07	5.55E-07	2.52E-08	6.08E-07	1.34E-07	1.82E-07	2.89E-07	5.00E-08	3.66E-08	1.33E-06

2274	494311.06	3859951.99	3.56E-03	3.64E-03	3.63E-03	1.23E-06	3.73E-06	2.16E-06	2.20E-06	1.99E-06	8.92E-07	9.09E-07	4.12E-08	9.95E-07	2.20E-07	2.99E-07	4.74E-07	8.19E-08	6.00E-08	2.17E-06
2275	494361.06	3859951.99	3.48E-03	3.55E-03	3.54E-03	1.20E-06	3.63E-06	2.10E-06	2.15E-06	1.95E-06	8.70E-07	8.87E-07	4.02E-08	9.71E-07	2.14E-07	2.91E-07	4.62E-07	7.99E-08	5.85E-08	2.12E-06
2276	494411.06	3859951.99	3.40E-03	3.47E-03	3.47E-03	1.18E-06	3.55E-06	2.06E-06	2.10E-06	1.90E-06	8.51E-07	8.67E-07	3.93E-08	9.49E-07	2.09E-07	2.85E-07	4.52E-07	7.81E-08	5.72E-08	2.07E-06
2277	494461.06	3859951.99	3.34E-03	3.40E-03	3.40E-03	1.15E-06	3.49E-06	2.02E-06	2.06E-06	1.87E-06	8.35E-07	8.51E-07	3.86E-08	9.31E-07	2.05E-07	2.80E-07	4.44E-07	7.66E-08	5.61E-08	2.03E-06
2278	494511.06	3859951.99	3.29E-03	3.36E-03	3.35E-03	1.14E-06	3.44E-06	1.99E-06	2.03E-06	1.84E-06	8.24E-07	8.40E-07	3.80E-08	9.19E-07	2.03E-07	2.76E-07	4.38E-07	7.56E-08	5.54E-08	2.00E-06
2279	494561.06	3859951.99	3.30E-03	3.37E-03	3.36E-03	1.14E-06	3.45E-06	2.00E-06	2.04E-06	1.85E-06	8.26E-07	8.42E-07	3.81E-08	9.21E-07	2.03E-07	2.77E-07	4.39E-07	7.58E-08	5.55E-08	2.01E-06
2280	494611.06	3859951.99	3.19E-03	3.25E-03	3.25E-03	1.10E-06	3.33E-06	1.93E-06	1.97E-06	1.78E-06	7.98E-07	8.13E-07	3.69E-08	8.90E-07	1.96E-07	2.67E-07	4.24E-07	7.32E-08	5.37E-08	1.94E-06
2281	494661.06	3859951.99	3.17E-03	3.23E-03	3.23E-03	1.10E-06	3.31E-06	1.92E-06	1.96E-06	1.77E-06	7.93E-07	8.08E-07	3.66E-08	8.85E-07	1.95E-07	2.66E-07	4.21E-07	7.28E-08	5.33E-08	1.93E-06
2282	494711.06	3859951.99	3.07E-03	3.13E-03	3.13E-03	1.06E-06	3.21E-06	1.86E-06	1.90E-06	1.72E-06	7.69E-07	7.83E-07	3.55E-08	8.58E-07	1.89E-07	2.57E-07	4.08E-07	7.05E-08	5.17E-08	1.87E-06
2283	494761.06	3859951.99	3.03E-03	3.09E-03	3.09E-03	1.05E-06	3.17E-06	1.83E-06	1.87E-06	1.70E-06	7.59E-07	7.73E-07	3.50E-08	8.46E-07	1.87E-07	2.54E-07	4.03E-07	6.96E-08	5.10E-08	1.85E-06
2284	494811.06	3859951.99	2.98E-03	3.05E-03	3.04E-03	1.03E-06	3.12E-06	1.81E-06	1.84E-06	1.67E-06	7.47E-07	7.61E-07	3.45E-08	8.33E-07	1.84E-07	2.50E-07	3.97E-07	6.86E-08	5.02E-08	1.82E-06
2285	494861.06	3859951.99	2.95E-03	3.01E-03	3.01E-03	1.02E-06	3.09E-06	1.79E-06	1.82E-06	1.65E-06	7.39E-07	7.54E-07	3.42E-08	8.25E-07	1.82E-07	2.48E-07	3.93E-07	6.79E-08	4.97E-08	1.80E-06
2286	494911.06	3859951.99	2.89E-03	2.95E-03	2.94E-03	1.00E-06	3.02E-06	1.75E-06	1.78E-06	1.62E-06	7.23E-07	7.37E-07	3.34E-08	8.07E-07	1.78E-07	2.42E-07	3.84E-07	6.64E-08	4.86E-08	1.76E-06
2287	494961.06	3859951.99	2.83E-03	2.89E-03	2.89E-03	9.80E-07	2.96E-06	1.71E-06	1.75E-06	1.58E-06	7.08E-07	7.22E-07	3.27E-08	7.90E-07	1.74E-07	2.37E-07	3.76E-07	6.50E-08	4.76E-08	1.72E-06
2288	495011.06	3859951.99	2.78E-03	2.83E-03	2.83E-03	9.62E-07	2.90E-06	1.68E-06	1.72E-06	1.55E-06	6.95E-07	7.09E-07	3.21E-08	7.76E-07	1.71E-07	2.33E-07	3.69E-07	6.38E-08	4.67E-08	1.69E-06
2289	495061.06	3859951.99	2.73E-03	2.79E-03	2.79E-03	9.46E-07	2.86E-06	1.65E-06	1.69E-06	1.53E-06	6.84E-07	6.97E-07	3.16E-08	7.63E-07	1.68E-07	2.29E-07	3.64E-07	6.28E-08	4.60E-08	1.67E-06
2290	495111.06	3859951.99	2.68E-03	2.73E-03	2.73E-03	9.26E-07	2.80E-06	1.62E-06	1.65E-06	1.50E-06	6.70E-07	6.83E-07	3.09E-08	7.47E-07	1.65E-07	2.24E-07	3.56E-07	6.15E-08	4.50E-08	1.63E-06
2291	495161.06	3859951.99	2.62E-03	2.68E-03	2.67E-03	9.08E-07	2.74E-06	1.59E-06	1.62E-06	1.47E-06	6.56E-07	6.69E-07	3.03E-08	7.32E-07	1.62E-07	2.20E-07	3.49E-07	6.02E-08	4.41E-08	1.60E-06
2292	495211.06	3859951.99	2.57E-03	2.62E-03	2.62E-03	8.89E-07	2.69E-06	1.55E-06	1.59E-06	1.44E-06	6.43E-07	6.55E-07	2.97E-08	7.17E-07	1.58E-07	2.15E-07	3.42E-07	5.90E-08	4.32E-08	1.56E-06
2293	495261.06	3859951.99	2.53E-03	2.58E-03	2.57E-03	8.74E-07	2.64E-06	1.53E-06	1.56E-06	1.41E-06	6.32E-07	6.44E-07	2.92E-08	7.05E-07	1.56E-07	2.12E-07	3.36E-07	5.80E-08	4.25E-08	1.54E-06
2294	495311.06	3859951.99	2.50E-03	2.55E-03	2.55E-03	8.65E-07	2.61E-06	1.51E-06	1.54E-06	1.40E-06	6.25E-07	6.37E-07	2.89E-08	6.98E-07	1.54E-07	2.09E-07	3.32E-07	5.74E-08	4.20E-08	1.52E-06
2295	495361.06	3859951.99	2.46E-03	2.51E-03	2.51E-03	8.52E-07	2.57E-06	1.49E-06	1.52E-06	1.38E-06	6.16E-07	6.28E-07	2.84E-08	6.87E-07	1.52E-07	2.06E-07	3.27E-07	5.65E-08	4.14E-08	1.50E-06
2296	495411.06	3859951.99	2.41E-03	2.46E-03	2.46E-03	8.35E-07	2.52E-06	1.46E-06	1.49E-06	1.35E-06	6.04E-07	6.15E-07	2.79E-08	6.74E-07	1.49E-07	2.02E-07	3.21E-07	5.54E-08	4.06E-08	1.47E-06
2297	495461.06	3859951.99	2.37E-03	2.42E-03	2.42E-03	8.21E-07	2.48E-06	1.43E-06	1.46E-06	1.33E-06	5.93E-07	6.05E-07	2.74E-08	6.62E-07	1.46E-07	1.99E-07	3.15E-07	5.44E-08	3.99E-08	1.44E-06
2298	495511.06	3859951.99	2.33E-03	2.38E-03	2.37E-03	8.06E-07	2.43E-06	1.41E-06	1.44E-06	1.30E-06	5.83E-07	5.94E-07	2.69E-08	6.50E-07	1.43E-07	1.95E-07	3.10E-07	5.35E-08	3.92E-08	1.42E-06
2299	495561.06	3859951.99	2.31E-03	2.35E-03	2.35E-03	7.98E-07	2.41E-06	1.40E-06	1.42E-06	1.29E-06	5.77E-07	5.88E-07	2.67E-08	6.44E-07	1.42E-07	1.93E-07	3.07E-07	5.30E-08	3.88E-08	1.40E-06
2300	495611.06	3859951.99	2.26E-03	2.31E-03	2.31E-03	7.84E-07	2.37E-06	1.37E-06	1.40E-06	1.27E-06	5.67E-07	5.77E-07	2.62E-08	6.32E-07	1.39E-07	1.90E-07	3.01E-07	5.20E-08	3.81E-08	1.38E-06
2301	495661.06	3859951.99	2.22E-03	2.26E-03	2.26E-03	7.67E-07	2.32E-06	1.34E-06	1.37E-06	1.24E-06	5.55E-07	5.65E-07	2.56E-08	6.19E-07	1.37E-07	1.86E-07	2.95E-07	5.09E-08	3.73E-08	1.35E-06
2302	494311.06	3860001.99	3.63E-03	3.71E-03	3.70E-03	1.26E-06	3.80E-06	2.20E-06	2.24E-06	2.03E-06	9.09E-07	9.26E-07	4.20E-08	1.01E-06	2.24E-07	3.04E-07	4.83E-07	8.34E-08	6.11E-08	2.21E-06
2303	494361.06	3860001.99	3.56E-03	3.63E-03	3.63E-03	1.23E-06	3.72E-06	2.15E-06	2.20E-06	1.99E-06	8.91E-07	9.08E-07	4.11E-08	9.94E-07	2.19E-07	2.98E-07	4.73E-07	8.17E-08	5.99E-08	2.17E-06
2304	494411.06	3860001.99	3.46E-03	3.53E-03	3.52E-03	1.20E-06	3.61E-06	2.09E-06	2.14E-06	1.94E-06	8.66E-07	8.82E-07	4.00E-08	9.66E-07	2.13E-07	2.90E-07	4.60E-07	7.94E-08	5.82E-08	2.11E-06
2305	494461.06	3860001.99	3.41E-03	3.48E-03	3.47E-03	1.18E-06	3.56E-06	2.06E-06	2.10E-06	1.91E-06	8.53E-07	8.69E-07	3.94E-08	9.51E-07	2.10E-07	2.86E-07	4.53E-07	7.82E-08	5.73E-08	2.07E-06
2306	494511.06	3860001.99	3.33E-03	3.40E-03	3.39E-03	1.15E-06	3.48E-06	2.02E-06	2.06E-06	1.86E-06	8.33E-07	8.49E-07	3.85E-08	9.30E-07	2.05E-07	2.79E-07	4.43E-07	7.65E-08	5.60E-08	2.03E-06
2307	494561.06	3860001.99	3.36E-03	3.43E-03	3.43E-03	1.16E-06	3.51E-06	2.03E-06	2.08E-06	1.88E-06	8.41E-07	8.58E-07	3.89E-08	9.39E-07	2.07E-07	2.82E-07	4.47E-07	7.72E-08	5.66E-08	2.05E-06
2308	494611.06	3860001.99	3.28E-03	3.35E-03	3.34E-03	1.14E-06	3.43E-06	1.99E-06	2.03E-06	1.84E-06	8.21E-07	8.37E-07	3.79E-08	9.16E-07	2.02E-07	2.75E-07	4.36E-07	7.54E-08	5.52E-08	2.00E-06
2309	494661.06	3860001.99	3.23E-03	3.30E-03	3.29E-03	1.12E-06	3.38E-06	1.96E-06	2.00E-06	1.81E-06	8.09E-07	8.24E-07	3.74E-08	9.02E-07	1.99E-07	2.71E-07	4.30E-07	7.42E-08	5.44E-08	1.97E-06
2310	494711.06	3860001.99	3.10E-03	3.16E-03	3.16E-03	1.07E-06	3.24E-06	1.88E-06	1.91E-06	1.73E-06	7.76E-07	7.91E-07	3.58E-08	8.66E-07	1.91E-07	2.60E-07	4.12E-07	7.12E-08	5.22E-08	1.89E-06
2311	494761.06	3860001.99	3.09E-03	3.16E-03	3.15E-03	1.07E-06	3.23E-06	1.87E-06	1.91E-06	1.73E-06	7.74E-07	7.89E-07	3.58E-08	8.64E-07	1.91E-07	2.59E-07	4.11E-07	7.10E-08	5.20E-08	1.88E-06
2312	494811.06	3860001.99	3.05E-03	3.12E-03	3.11E-03	1.06E-06	3.19E-06	1.85E-06	1.88E-06	1.71E-06	7.64E-07	7.79E-07	3.53E-08	8.52E-07	1.88E-07	2.56E-07	4.06E-07	7.01E-08	5.14E-08	1.86E-06
2313	494861.06	3860001.99	3.02E-03	3.08E-03	3.08E-03	1.05E-06	3.16E-06	1.83E-06	1.86E-06	1.69E-06	7.56E-07	7.70E-07	3.49E-08	8.43E-07	1.86E-07	2.53E-07	4.02E-07	6.94E-08	5.08E-08	1.84E-06
2314	494911.06	3860001.99	2.91E-03	2.97E-03	2.96E-03	1.01E-06	3.04E-06	1.76E-06	1.79E-06	1.63E-06	7.28E-07	7.42E-07	3.36E-08	8.12E-07	1.79E-07	2.44E-07	3.87E-07	6.68E-08	4.89E-08	1.77E-06
2315	494961.06	3860001.99	2.87E-03	2.93E-03	2.93E-03	9.95E-07	3.00E-06	1.74E-06	1.77E-06	1.61E-06	7.19E-07	7.33E-07	3.32E-08	8.02E-07	1.77E-07	2.41E-07	3.82E-07	6.60E-08	4.83E-08	1.75E-06
2316	495011.06	3860001.99	2.81E-03	2.87E-03	2.87E-03	9.74E-07	2.94E-06	1.70E-06	1.74E-06	1.58E-06	7.04E-07	7.18E-07	3.25E-08	7.86E-07	1.73E-07	2.36E-07	3.74E-07	6.46E-08	4.74E-08	1.71E-06
2317	495061.06	3860001.99	2.78E-03	2.84E-03	2.84E-03	9.64E-07	2.91E-06	1.68E-06	1.72E-06	1.56E-06	6.97E-07	7.10E-07	3.22E-08	7.77E-07	1.71E-07	2.33E-07	3.70E-07	6.39E-08	4.68E-08	1.70E-06
2318	495111.06	3860001.99	2.73E-03	2.78E-03	2.78E-03	9.43E-07	2.85E-06	1.65E-06	1.68E-06	1.53E-06	6.82E-07	6.95E-07	3.15E-08	7.61E-07	1.68E-07	2.28E-07	3.62E-07	6.26E-08	4.59E-08	1.66E-06
2319	495161.06	3860001.99	2.67E-03	2.72E-03	2.72E-03	9.24E-07	2.79E-06	1.61E-06	1.65E-06	1.49E-06	6.68E-07	6.81E-07	3.08E-08	7.45E-07	1.64E-07	2.24E-07	3.55E-07	6.13E-08	4.49E-08	1.63E-06
2320	495211.06	3860001.99	2.64E-03	2.69E-03	2.69E-03	9.13E-07	2.76E-06	1.60E-06	1.63E-06	1.48E-06	6.60E-07	6.73E-07	3.05E-08	7.37E-07	1.63E-07	2.21E-07	3.51E-07	6.06E-08	4.44E-08	1.61E-06
2321	495261.06	3860001.99	2.59E-03	2.64E-03	2.64E-03	8.96E-07	2.70E-06	1.57E-06	1.60E-06	1.45E-06	6.48E-07	6.60E-07	2.99E-08	7.23E-07	1.59E-07	2.17E-07	3.44E-07	5.94E-08	4.35E-08	1.58E-06
2322	495311.06	3860001.99	2.55E-03	2.60E-03	2.60E-03	8.82E-07	2.66E-06	1.54E-06	1.57E-06	1.43E-06	6.38E-07	6.50E-07	2.95E-08	7.12E-07	1.57E-07	2.14E-07	3.39E-07	5.85E-08	4.29E-08	1.55E-06
2323	495361.06	3860001.99	2.48E-03	2.53E-03	2.53E-03	8.59E-07	2.59E-06	1.50E-06	1.53E-06	1.39E-06	6.21E-07	6.33E-07	2.87E-08	6.93E-07	1.53E-07	2.08E-07	3.30E-07	5.70E-08	4.18E-08	1.51E-06
2324	495411.06	3860001.99	2.46E-03	2.51E-03	2.51E-03	8.52E-07	2.57E-06	1.49E-06	1.52E-06	1.38E-06	6.16E-07	6.28E-07	2.84E-08	6.87E-07	1.52E-07	2.06E-07	3.27E-07	5.65E-08	4.14E-08	1.50E-06
2325	495461.06	3860001.99	2.42E-03	2.47E-03	2.47E-03	8.38E-07	2.53E-06	1.46E-06	1.49E-06	1.35E-06	6.06E-07	6.17E-07	2.80E-08	6.76E-07	1.49E-07	2.03E-07	3.22E-07	5.56E-08	4.07E-08	1.47E-06
2326	495511.06	3860001.99	2.38E-03	2.43E-03	2.43E-03	8.24E-07	2.49E-06	1.44E-06	1.47E-06	1.33E-06	5.96E-07	6.07E-07	2.75E-08	6.65E-07	1.47E-07	2.00E-07	3.17E-07	5.47E-08	4.00E-08	1.45E-06
2327	495561.06	3860001.99	2.35E-03	2.40E-03	2.40E-03	8.14E-07	2.46E-06	1.42E-06	1.45E-06	1.32E-06	5.89E-07	6.00E-07	2.72E-08	6.57E-07	1.45E-07	1.97E-07	3.13E-07	5.40E-08	3.96E-08	1.43E-06
2328	495611.06	3860001.99	2.31E-03	2.35E-03	2.35E-03	7.98E-07	2.41E-06	1.40E-06	1.42E-06	1.29E-06	5.77E-07	5.88E-07	2.67E-08	6.44E-07	1.42E-07	1.93E-07	3.07E-07	5.30E-08	3.88E-08	1.40E-06
2329	495661.06	3860001.99	2.26E-03	2.31E-03	2.31E-03	7.83E-07	2.36E-06	1.37E-06	1.40E-06	1.27E-06	5.66E-07	5.77E-07	2.61E-08	6.32E-07	1.39E-07	1.90E-07	3.01E-07	5.19E-08	3.81E-08	1.38E-06
2330	494411.06	3860051.99	3.53E-03	3.60E-03	3.60E-03	1.22E-06	3.69E-06	2.14E-06	2.18E-06	1.98E-06	8.84E-07	9.01E-07	4.08E-08	9.86E-07	2.18E-07	2.96E-07	4.70E-07	8.11E-08	5.94E-08	2.15E-06

2331	494461.06	3860051.99	3.46E-03	3.53E-03	3.53E-03	1.20E-06	3.62E-06	2.09E-06	2.14E-06	1.94E-06	8.66E-07	8.83E-07	4.00E-08	9.66E-07	2.13E-07	2.90E-07	4.60E-07	7.95E-08	5.82E-08	2.11E-06
2332	494511.06	3860051.99	3.40E-03	3.47E-03	3.46E-03	1.18E-06	3.55E-06	2.05E-06	2.10E-06	1.90E-06	8.50E-07	8.66E-07	3.93E-08	9.48E-07	2.09E-07	2.85E-07	4.52E-07	7.80E-08	5.71E-08	2.07E-06
2333	494561.06	3860051.99	3.38E-03	3.45E-03	3.45E-03	1.17E-06	3.54E-06	2.05E-06	2.09E-06	1.89E-06	8.47E-07	8.63E-07	3.91E-08	9.45E-07	2.08E-07	2.84E-07	4.50E-07	7.77E-08	5.69E-08	2.06E-06
2334	494611.06	3860051.99	3.34E-03	3.41E-03	3.40E-03	1.16E-06	3.49E-06	2.02E-06	2.06E-06	1.87E-06	8.36E-07	8.52E-07	3.86E-08	9.33E-07	2.06E-07	2.80E-07	4.44E-07	7.67E-08	5.62E-08	2.03E-06
2335	494661.06	3860051.99	3.29E-03	3.36E-03	3.35E-03	1.14E-06	3.44E-06	1.99E-06	2.03E-06	1.84E-06	8.23E-07	8.39E-07	3.80E-08	9.18E-07	2.03E-07	2.76E-07	4.37E-07	7.55E-08	5.53E-08	2.00E-06
2336	494711.06	3860051.99	3.19E-03	3.26E-03	3.25E-03	1.11E-06	3.34E-06	1.93E-06	1.97E-06	1.79E-06	7.99E-07	8.14E-07	3.69E-08	8.92E-07	1.97E-07	2.68E-07	4.25E-07	7.33E-08	5.37E-08	1.94E-06
2337	494761.06	3860051.99	3.15E-03	3.21E-03	3.21E-03	1.09E-06	3.29E-06	1.91E-06	1.94E-06	1.76E-06	7.88E-07	8.03E-07	3.64E-08	8.79E-07	1.94E-07	2.64E-07	4.19E-07	7.23E-08	5.30E-08	1.92E-06
2338	494811.06	3860051.99	3.12E-03	3.19E-03	3.18E-03	1.08E-06	3.26E-06	1.89E-06	1.93E-06	1.75E-06	7.82E-07	7.97E-07	3.61E-08	8.72E-07	1.92E-07	2.62E-07	4.15E-07	7.17E-08	5.25E-08	1.90E-06
2339	494861.06	3860051.99	3.09E-03	3.16E-03	3.15E-03	1.07E-06	3.23E-06	1.87E-06	1.91E-06	1.73E-06	7.74E-07	7.89E-07	3.57E-08	8.63E-07	1.91E-07	2.59E-07	4.11E-07	7.10E-08	5.20E-08	1.88E-06
2340	494911.06	3860051.99	3.02E-03	3.08E-03	3.08E-03	1.04E-06	3.15E-06	1.83E-06	1.86E-06	1.69E-06	7.55E-07	7.70E-07	3.49E-08	8.43E-07	1.86E-07	2.53E-07	4.01E-07	6.93E-08	5.08E-08	1.84E-06
2341	494961.06	3860051.99	2.94E-03	3.00E-03	3.00E-03	1.02E-06	3.08E-06	1.78E-06	1.82E-06	1.65E-06	7.36E-07	7.51E-07	3.40E-08	8.22E-07	1.81E-07	2.47E-07	3.91E-07	6.76E-08	4.95E-08	1.79E-06
2342	495011.06	3860051.99	2.88E-03	2.94E-03	2.93E-03	9.96E-07	3.01E-06	1.74E-06	1.78E-06	1.61E-06	7.20E-07	7.34E-07	3.33E-08	8.04E-07	1.77E-07	2.41E-07	3.83E-07	6.61E-08	4.84E-08	1.75E-06
2343	495061.06	3860051.99	2.83E-03	2.88E-03	2.88E-03	9.78E-07	2.95E-06	1.71E-06	1.74E-06	1.58E-06	7.07E-07	7.21E-07	3.27E-08	7.89E-07	1.74E-07	2.37E-07	3.76E-07	6.49E-08	4.75E-08	1.72E-06
2344	495111.06	3860051.99	2.76E-03	2.82E-03	2.81E-03	9.55E-07	2.88E-06	1.67E-06	1.70E-06	1.54E-06	6.90E-07	7.04E-07	3.19E-08	7.70E-07	1.70E-07	2.31E-07	3.67E-07	6.34E-08	4.64E-08	1.68E-06
2345	495161.06	3860051.99	2.71E-03	2.77E-03	2.76E-03	9.38E-07	2.83E-06	1.64E-06	1.67E-06	1.52E-06	6.78E-07	6.92E-07	3.13E-08	7.57E-07	1.67E-07	2.27E-07	3.61E-07	6.23E-08	4.56E-08	1.65E-06
2346	495211.06	3860051.99	2.66E-03	2.71E-03	2.71E-03	9.20E-07	2.78E-06	1.61E-06	1.64E-06	1.49E-06	6.65E-07	6.78E-07	3.07E-08	7.42E-07	1.64E-07	2.23E-07	3.53E-07	6.10E-08	4.47E-08	1.62E-06
2347	495261.06	3860051.99	2.62E-03	2.67E-03	2.67E-03	9.07E-07	2.74E-06	1.58E-06	1.62E-06	1.47E-06	6.56E-07	6.68E-07	3.03E-08	7.31E-07	1.61E-07	2.20E-07	3.48E-07	6.02E-08	4.41E-08	1.60E-06
2348	495311.06	3860051.99	2.59E-03	2.64E-03	2.64E-03	8.95E-07	2.70E-06	1.56E-06	1.60E-06	1.45E-06	6.47E-07	6.60E-07	2.99E-08	7.22E-07	1.59E-07	2.17E-07	3.44E-07	5.94E-08	4.35E-08	1.58E-06
2349	495361.06	3860051.99	2.55E-03	2.60E-03	2.60E-03	8.82E-07	2.66E-06	1.54E-06	1.57E-06	1.43E-06	6.37E-07	6.50E-07	2.94E-08	7.11E-07	1.57E-07	2.14E-07	3.39E-07	5.85E-08	4.29E-08	1.55E-06
2350	495411.06	3860051.99	2.51E-03	2.56E-03	2.55E-03	8.67E-07	2.62E-06	1.52E-06	1.55E-06	1.40E-06	6.27E-07	6.39E-07	2.90E-08	7.00E-07	1.54E-07	2.10E-07	3.33E-07	5.76E-08	4.22E-08	1.53E-06
2351	495461.06	3860051.99	2.46E-03	2.51E-03	2.51E-03	8.52E-07	2.57E-06	1.49E-06	1.52E-06	1.38E-06	6.16E-07	6.28E-07	2.84E-08	6.87E-07	1.52E-07	2.06E-07	3.27E-07	5.65E-08	4.14E-08	1.50E-06
2352	495511.06	3860051.99	2.43E-03	2.48E-03	2.47E-03	8.40E-07	2.54E-06	1.47E-06	1.50E-06	1.36E-06	6.08E-07	6.19E-07	2.81E-08	6.78E-07	1.50E-07	2.04E-07	3.23E-07	5.58E-08	4.09E-08	1.48E-06
2353	495561.06	3860051.99	2.39E-03	2.44E-03	2.44E-03	8.27E-07	2.50E-06	1.45E-06	1.48E-06	1.34E-06	5.98E-07	6.10E-07	2.76E-08	6.67E-07	1.47E-07	2.00E-07	3.18E-07	5.49E-08	4.02E-08	1.46E-06
2354	495611.06	3860051.99	2.35E-03	2.39E-03	2.39E-03	8.12E-07	2.45E-06	1.42E-06	1.45E-06	1.31E-06	5.87E-07	5.99E-07	2.71E-08	6.55E-07	1.45E-07	1.97E-07	3.12E-07	5.39E-08	3.95E-08	1.43E-06
2355	495661.06	3860051.99	2.30E-03	2.34E-03	2.34E-03	7.95E-07	2.40E-06	1.39E-06	1.42E-06	1.29E-06	5.75E-07	5.86E-07	2.66E-08	6.41E-07	1.42E-07	1.93E-07	3.05E-07	5.28E-08	3.87E-08	1.40E-06
2356	494411.06	3860101.99	3.54E-03	3.61E-03	3.61E-03	1.23E-06	3.70E-06	2.14E-06	2.19E-06	1.98E-06	8.86E-07	9.03E-07	4.09E-08	9.89E-07	2.18E-07	2.97E-07	4.71E-07	8.13E-08	5.96E-08	2.16E-06
2357	494461.06	3860101.99	3.52E-03	3.59E-03	3.59E-03	1.22E-06	3.68E-06	2.13E-06	2.17E-06	1.97E-06	8.81E-07	8.98E-07	4.07E-08	9.83E-07	2.17E-07	2.95E-07	4.68E-07	8.08E-08	5.92E-08	2.14E-06
2358	494511.06	3860101.99	3.42E-03	3.49E-03	3.49E-03	1.19E-06	3.58E-06	2.07E-06	2.11E-06	1.92E-06	8.57E-07	8.73E-07	3.96E-08	9.56E-07	2.11E-07	2.87E-07	4.55E-07	7.86E-08	5.76E-08	2.09E-06
2359	494561.06	3860101.99	3.38E-03	3.45E-03	3.45E-03	1.17E-06	3.54E-06	2.05E-06	2.09E-06	1.89E-06	8.47E-07	8.63E-07	3.91E-08	9.45E-07	2.09E-07	2.84E-07	4.50E-07	7.77E-08	5.69E-08	2.06E-06
2360	494611.06	3860101.99	3.37E-03	3.44E-03	3.43E-03	1.17E-06	3.52E-06	2.04E-06	2.08E-06	1.89E-06	8.43E-07	8.60E-07	3.90E-08	9.41E-07	2.08E-07	2.82E-07	4.48E-07	7.74E-08	5.67E-08	2.05E-06
2361	494661.06	3860101.99	3.32E-03	3.39E-03	3.39E-03	1.15E-06	3.47E-06	2.01E-06	2.05E-06	1.86E-06	8.32E-07	8.48E-07	3.84E-08	9.28E-07	2.05E-07	2.79E-07	4.42E-07	7.64E-08	5.59E-08	2.02E-06
2362	494711.06	3860101.99	3.24E-03	3.30E-03	3.30E-03	1.12E-06	3.38E-06	1.96E-06	2.00E-06	1.81E-06	8.10E-07	8.26E-07	3.74E-08	9.04E-07	2.00E-07	2.71E-07	4.31E-07	7.44E-08	5.45E-08	1.97E-06
2363	494761.06	3860101.99	3.19E-03	3.26E-03	3.25E-03	1.10E-06	3.34E-06	1.93E-06	1.97E-06	1.79E-06	7.99E-07	8.14E-07	3.69E-08	8.91E-07	1.97E-07	2.68E-07	4.24E-07	7.33E-08	5.37E-08	1.94E-06
2364	494811.06	3860101.99	3.15E-03	3.21E-03	3.21E-03	1.09E-06	3.29E-06	1.90E-06	1.94E-06	1.76E-06	7.88E-07	8.03E-07	3.64E-08	8.79E-07	1.94E-07	2.64E-07	4.19E-07	7.23E-08	5.30E-08	1.92E-06
2365	494861.06	3860101.99	3.16E-03	3.22E-03	3.22E-03	1.09E-06	3.30E-06	1.91E-06	1.95E-06	1.77E-06	7.90E-07	8.06E-07	3.65E-08	8.82E-07	1.95E-07	2.65E-07	4.20E-07	7.25E-08	5.31E-08	1.92E-06
2366	494911.06	3860101.99	3.02E-03	3.09E-03	3.08E-03	1.05E-06	3.16E-06	1.83E-06	1.87E-06	1.69E-06	7.57E-07	7.71E-07	3.50E-08	8.44E-07	1.86E-07	2.53E-07	4.02E-07	6.95E-08	5.09E-08	1.84E-06
2367	494961.06	3860101.99	2.98E-03	3.04E-03	3.03E-03	1.03E-06	3.11E-06	1.80E-06	1.84E-06	1.67E-06	7.45E-07	7.59E-07	3.44E-08	8.31E-07	1.83E-07	2.50E-07	3.96E-07	6.84E-08	5.01E-08	1.81E-06
2368	495011.06	3860101.99	2.91E-03	2.97E-03	2.97E-03	1.01E-06	3.04E-06	1.76E-06	1.80E-06	1.63E-06	7.29E-07	7.43E-07	3.37E-08	8.13E-07	1.79E-07	2.44E-07	3.87E-07	6.69E-08	4.90E-08	1.77E-06
2369	495061.06	3860101.99	2.85E-03	2.91E-03	2.91E-03	9.88E-07	2.98E-06	1.73E-06	1.76E-06	1.60E-06	7.14E-07	7.28E-07	3.30E-08	7.97E-07	1.76E-07	2.39E-07	3.80E-07	6.55E-08	4.80E-08	1.74E-06
2370	495111.06	3860101.99	2.79E-03	2.84E-03	2.84E-03	9.64E-07	2.91E-06	1.69E-06	1.72E-06	1.56E-06	6.97E-07	7.10E-07	3.22E-08	7.78E-07	1.72E-07	2.33E-07	3.70E-07	6.40E-08	4.69E-08	1.70E-06
2371	495161.06	3860101.99	2.75E-03	2.80E-03	2.80E-03	9.51E-07	2.87E-06	1.66E-06	1.70E-06	1.54E-06	6.87E-07	7.01E-07	3.18E-08	7.67E-07	1.69E-07	2.30E-07	3.65E-07	6.31E-08	4.62E-08	1.67E-06
2372	495211.06	3860101.99	2.70E-03	2.75E-03	2.75E-03	9.35E-07	2.82E-06	1.63E-06	1.67E-06	1.51E-06	6.76E-07	6.89E-07	3.12E-08	7.54E-07	1.66E-07	2.26E-07	3.59E-07	6.20E-08	4.54E-08	1.64E-06
2373	495261.06	3860101.99	2.65E-03	2.71E-03	2.70E-03	9.18E-07	2.77E-06	1.61E-06	1.64E-06	1.48E-06	6.64E-07	6.77E-07	3.07E-08	7.41E-07	1.63E-07	2.22E-07	3.53E-07	6.09E-08	4.46E-08	1.62E-06
2374	495311.06	3860101.99	2.61E-03	2.67E-03	2.66E-03	9.04E-07	2.73E-06	1.58E-06	1.61E-06	1.46E-06	6.54E-07	6.66E-07	3.02E-08	7.29E-07	1.61E-07	2.19E-07	3.47E-07	6.00E-08	4.40E-08	1.59E-06
2375	495361.06	3860101.99	2.58E-03	2.63E-03	2.63E-03	8.93E-07	2.70E-06	1.56E-06	1.59E-06	1.44E-06	6.46E-07	6.58E-07	2.98E-08	7.21E-07	1.59E-07	2.16E-07	3.43E-07	5.93E-08	4.34E-08	1.57E-06
2376	495411.06	3860101.99	2.54E-03	2.59E-03	2.59E-03	8.78E-07	2.65E-06	1.53E-06	1.57E-06	1.42E-06	6.35E-07	6.47E-07	2.93E-08	7.08E-07	1.56E-07	2.13E-07	3.37E-07	5.83E-08	4.27E-08	1.54E-06
2377	495461.06	3860101.99	2.48E-03	2.53E-03	2.53E-03	8.59E-07	2.59E-06	1.50E-06	1.53E-06	1.39E-06	6.21E-07	6.33E-07	2.87E-08	6.93E-07	1.53E-07	2.08E-07	3.30E-07	5.70E-08	4.17E-08	1.51E-06
2378	495511.06	3860101.99	2.45E-03	2.50E-03	2.50E-03	8.49E-07	2.56E-06	1.48E-06	1.51E-06	1.37E-06	6.14E-07	6.26E-07	2.83E-08	6.85E-07	1.51E-07	2.06E-07	3.26E-07	5.63E-08	4.13E-08	1.49E-06
2379	495561.06	3860101.99	2.42E-03	2.47E-03	2.47E-03	8.39E-07	2.53E-06	1.47E-06	1.50E-06	1.36E-06	6.07E-07	6.18E-07	2.80E-08	6.77E-07	1.49E-07	2.03E-07	3.22E-07	5.57E-08	4.08E-08	1.48E-06
2380	495611.06	3860101.99	2.37E-03	2.42E-03	2.42E-03	8.21E-07	2.48E-06	1.43E-06	1.46E-06	1.33E-06	5.93E-07	6.05E-07	2.74E-08	6.62E-07	1.46E-07	1.99E-07	3.15E-07	5.45E-08	3.99E-08	1.44E-06
2381	495661.06	3860101.99	2.33E-03	2.38E-03	2.38E-03	8.08E-07	2.44E-06	1.41E-06	1.44E-06	1.31E-06	5.84E-07	5.96E-07	2.70E-08	6.52E-07	1.44E-07	1.96E-07	3.11E-07	5.36E-08	3.93E-08	1.42E-06
2382	494861.06	3860151.99	3.21E-03	3.27E-03	3.27E-03	1.11E-06	3.35E-06	1.94E-06	1.98E-06	1.80E-06	8.03E-07	8.18E-07	3.71E-08	8.96E-07	1.98E-07	2.69E-07	4.27E-07	7.37E-08	5.40E-08	1.95E-06
2383	494911.06	3860151.99	3.07E-03	3.13E-03	3.13E-03	1.06E-06	3.21E-06	1.86E-06	1.89E-06	1.72E-06	7.68E-07	7.83E-07	3.55E-08	8.57E-07	1.89E-07	2.57E-07	4.08E-07	7.05E-08	5.16E-08	1.87E-06
2384	494961.06	3860151.99	3.01E-03	3.07E-03	3.06E-03	1.04E-06	3.14E-06	1.82E-06	1.86E-06	1.68E-06	7.52E-07	7.67E-07	3.48E-08	8.39E-07	1.85E-07	2.52E-07	4.00E-07	6.91E-08	5.06E-08	1.83E-06
2385	495011.06	3860151.99	2.94E-03	3.00E-03	3.00E-03	1.02E-06	3.08E-06	1.78E-06	1.82E-06	1.65E-06	7.36E-07	7.51E-07	3.40E-08	8.22E-07	1.81E-07	2.47E-07	3.91E-07	6.76E-08	4.95E-08	1.79E-06
2386	495061.06	3860151.99	2.88E-03	2.94E-03	2.94E-03	9.97E-07	3.01E-06	1.74E-06	1.78E-06	1.61E-06	7.21E-07	7.35E-07	3.33E-08	8.04E-07	1.78E-07	2.42E-07	3.83E-07	6.62E-08	4.85E-08	1.75E-06
2387	495111.06	3860151.99	2.83E-03	2.89E-03	2.88E-03	9.79E-07	2.96E-06	1.71E-06	1.75E-06	1.58E-06	7.08E-07	7.22E-07	3.27E-08	7.90E-07	1.74E-07	2.37E-07	3.76E-07	6.50E-08	4.76E-08	1.72E-06

2388	495161.06	3860151.99	2.78E-03	2.84E-03	2.84E-03	9.63E-07	2.91E-06	1.68E-06	1.72E-06	1.56E-06	6.96E-07	7.10E-07	3.22E-08	7.77E-07	1.71E-07	2.33E-07	3.70E-07	6.39E-08	4.68E-08	1.69E-06
2389	495211.06	3860151.99	2.73E-03	2.79E-03	2.78E-03	9.46E-07	2.86E-06	1.65E-06	1.69E-06	1.53E-06	6.84E-07	6.97E-07	3.16E-08	7.63E-07	1.68E-07	2.29E-07	3.63E-07	6.28E-08	4.60E-08	1.66E-06
2390	495261.06	3860151.99	2.69E-03	2.74E-03	2.74E-03	9.31E-07	2.81E-06	1.63E-06	1.66E-06	1.51E-06	6.73E-07	6.86E-07	3.11E-08	7.51E-07	1.66E-07	2.25E-07	3.58E-07	6.18E-08	4.53E-08	1.64E-06
2391	495311.06	3860151.99	2.65E-03	2.70E-03	2.70E-03	9.17E-07	2.77E-06	1.60E-06	1.63E-06	1.48E-06	6.63E-07	6.75E-07	3.06E-08	7.39E-07	1.63E-07	2.22E-07	3.52E-07	6.08E-08	4.46E-08	1.61E-06
2392	495361.06	3860151.99	2.61E-03	2.66E-03	2.66E-03	9.03E-07	2.73E-06	1.58E-06	1.61E-06	1.46E-06	6.53E-07	6.65E-07	3.02E-08	7.28E-07	1.61E-07	2.19E-07	3.47E-07	5.99E-08	4.39E-08	1.59E-06
2393	495411.06	3860151.99	2.57E-03	2.62E-03	2.61E-03	8.88E-07	2.68E-06	1.55E-06	1.58E-06	1.44E-06	6.42E-07	6.54E-07	2.97E-08	7.16E-07	1.58E-07	2.15E-07	3.41E-07	5.89E-08	4.32E-08	1.56E-06
2394	495461.06	3860151.99	2.52E-03	2.58E-03	2.57E-03	8.74E-07	2.64E-06	1.53E-06	1.56E-06	1.41E-06	6.32E-07	6.44E-07	2.92E-08	7.05E-07	1.56E-07	2.12E-07	3.36E-07	5.80E-08	4.25E-08	1.54E-06
2395	495511.06	3860151.99	2.48E-03	2.53E-03	2.53E-03	8.58E-07	2.59E-06	1.50E-06	1.53E-06	1.39E-06	6.21E-07	6.32E-07	2.87E-08	6.92E-07	1.53E-07	2.08E-07	3.30E-07	5.69E-08	4.17E-08	1.51E-06
2396	495561.06	3860151.99	2.44E-03	2.49E-03	2.49E-03	8.46E-07	2.56E-06	1.48E-06	1.51E-06	1.37E-06	6.12E-07	6.24E-07	2.83E-08	6.83E-07	1.51E-07	2.05E-07	3.25E-07	5.61E-08	4.11E-08	1.49E-06
2397	495611.06	3860151.99	2.40E-03	2.45E-03	2.45E-03	8.32E-07	2.51E-06	1.45E-06	1.48E-06	1.34E-06	6.01E-07	6.13E-07	2.78E-08	6.71E-07	1.48E-07	2.01E-07	3.19E-07	5.52E-08	4.04E-08	1.46E-06
2398	495661.06	3860151.99	2.36E-03	2.41E-03	2.40E-03	8.16E-07	2.46E-06	1.43E-06	1.46E-06	1.32E-06	5.90E-07	6.01E-07	2.73E-08	6.58E-07	1.45E-07	1.98E-07	3.14E-07	5.41E-08	3.97E-08	1.44E-06
2399	495718.25	3859442.96	1.68E-03	1.71E-03	1.71E-03	5.81E-07	1.75E-06	1.02E-06	1.04E-06	9.39E-07	4.20E-07	4.28E-07	1.94E-08	4.68E-07	1.03E-07	1.41E-07	2.23E-07	3.85E-08	2.82E-08	1.02E-06
2400	495818.25	3859442.96	1.63E-03	1.66E-03	1.66E-03	5.64E-07	1.70E-06	9.86E-07	1.01E-06	9.12E-07	4.08E-07	4.16E-07	1.88E-08	4.55E-07	1.00E-07	1.37E-07	2.17E-07	3.74E-08	2.74E-08	9.92E-07
2401	495918.25	3859442.96	1.59E-03	1.62E-03	1.62E-03	5.51E-07	1.66E-06	9.63E-07	9.82E-07	8.91E-07	3.98E-07	4.06E-07	1.84E-08	4.44E-07	9.80E-08	1.33E-07	2.12E-07	3.65E-08	2.68E-08	9.69E-07
2402	496018.25	3859442.96	1.56E-03	1.59E-03	1.59E-03	5.39E-07	1.63E-06	9.43E-07	9.62E-07	8.72E-07	3.90E-07	3.97E-07	1.80E-08	4.35E-07	9.60E-08	1.31E-07	2.07E-07	3.58E-08	2.62E-08	9.49E-07
2403	496118.25	3859442.96	1.56E-03	1.59E-03	1.59E-03	5.39E-07	1.63E-06	9.42E-07	9.61E-07	8.71E-07	3.90E-07	3.97E-07	1.80E-08	4.35E-07	9.59E-08	1.30E-07	2.07E-07	3.57E-08	2.62E-08	9.48E-07
2404	496218.25	3859442.96	1.55E-03	1.58E-03	1.58E-03	5.37E-07	1.62E-06	9.38E-07	9.58E-07	8.68E-07	3.88E-07	3.96E-07	1.79E-08	4.33E-07	9.56E-08	1.30E-07	2.06E-07	3.56E-08	2.61E-08	9.44E-07
2405	496318.25	3859442.96	1.52E-03	1.55E-03	1.55E-03	5.27E-07	1.59E-06	9.21E-07	9.39E-07	8.52E-07	3.81E-07	3.88E-07	1.76E-08	4.25E-07	9.38E-08	1.28E-07	2.02E-07	3.49E-08	2.56E-08	9.27E-07
2406	496418.25	3859442.96	1.49E-03	1.52E-03	1.52E-03	5.16E-07	1.56E-06	9.02E-07	9.21E-07	8.35E-07	3.73E-07	3.80E-07	1.72E-08	4.16E-07	9.19E-08	1.25E-07	1.98E-07	3.43E-08	2.51E-08	9.08E-07
2407	495718.25	3859542.96	1.78E-03	1.82E-03	1.82E-03	6.18E-07	1.86E-06	1.08E-06	1.10E-06	9.98E-07	4.46E-07	4.55E-07	2.06E-08	4.98E-07	1.10E-07	1.50E-07	2.37E-07	4.10E-08	3.00E-08	1.09E-06
2408	495818.25	3859542.96	1.74E-03	1.78E-03	1.77E-03	6.02E-07	1.82E-06	1.05E-06	1.07E-06	9.74E-07	4.35E-07	4.44E-07	2.01E-08	4.86E-07	1.07E-07	1.46E-07	2.31E-07	4.00E-08	2.93E-08	1.06E-06
2409	495918.25	3859542.96	1.69E-03	1.72E-03	1.72E-03	5.85E-07	1.77E-06	1.02E-06	1.04E-06	9.46E-07	4.23E-07	4.31E-07	1.95E-08	4.72E-07	1.04E-07	1.42E-07	2.25E-07	3.88E-08	2.84E-08	1.03E-06
2410	496018.25	3859542.96	1.65E-03	1.68E-03	1.68E-03	5.70E-07	1.72E-06	9.97E-07	1.02E-06	9.22E-07	4.12E-07	4.20E-07	1.90E-08	4.60E-07	1.02E-07	1.38E-07	2.19E-07	3.78E-08	2.77E-08	1.00E-06
2411	496118.25	3859542.96	1.64E-03	1.68E-03	1.68E-03	5.69E-07	1.72E-06	9.95E-07	1.01E-06	9.20E-07	4.11E-07	4.19E-07	1.90E-08	4.59E-07	1.01E-07	1.38E-07	2.19E-07	3.78E-08	2.77E-08	1.00E-06
2412	496218.25	3859542.96	1.63E-03	1.66E-03	1.66E-03	5.64E-07	1.70E-06	9.86E-07	1.01E-06	9.12E-07	4.08E-07	4.16E-07	1.88E-08	4.55E-07	1.00E-07	1.37E-07	2.17E-07	3.74E-08	2.74E-08	9.93E-07
2413	496318.25	3859542.96	1.61E-03	1.64E-03	1.64E-03	5.57E-07	1.68E-06	9.74E-07	9.94E-07	9.01E-07	4.03E-07	4.11E-07	1.86E-08	4.49E-07	9.92E-08	1.35E-07	2.14E-07	3.70E-08	2.71E-08	9.80E-07
2414	496418.25	3859542.96	1.57E-03	1.60E-03	1.60E-03	5.43E-07	1.64E-06	9.49E-07	9.69E-07	8.78E-07	3.93E-07	4.00E-07	1.81E-08	4.38E-07	9.67E-08	1.32E-07	2.09E-07	3.60E-08	2.64E-08	9.55E-07
2415	495718.25	3859642.96	1.88E-03	1.92E-03	1.91E-03	6.50E-07	1.96E-06	1.14E-06	1.16E-06	1.05E-06	4.70E-07	4.79E-07	2.17E-08	5.24E-07	1.16E-07	1.57E-07	2.50E-07	4.31E-08	3.16E-08	1.14E-06
2416	495818.25	3859642.96	1.82E-03	1.86E-03	1.86E-03	6.31E-07	1.91E-06	1.10E-06	1.13E-06	1.02E-06	4.56E-07	4.65E-07	2.11E-08	5.09E-07	1.12E-07	1.53E-07	2.42E-07	4.19E-08	3.07E-08	1.11E-06
2417	495918.25	3859642.96	1.78E-03	1.82E-03	1.82E-03	6.17E-07	1.86E-06	1.08E-06	1.10E-06	9.98E-07	4.46E-07	4.55E-07	2.06E-08	4.98E-07	1.10E-07	1.50E-07	2.37E-07	4.10E-08	3.00E-08	1.09E-06
2418	496018.25	3859642.96	1.74E-03	1.77E-03	1.77E-03	6.01E-07	1.81E-06	1.05E-06	1.07E-06	9.72E-07	4.35E-07	4.43E-07	2.01E-08	4.85E-07	1.07E-07	1.46E-07	2.31E-07	3.99E-08	2.92E-08	1.06E-06
2419	496118.25	3859642.96	1.74E-03	1.77E-03	1.77E-03	6.01E-07	1.82E-06	1.05E-06	1.07E-06	9.72E-07	4.35E-07	4.43E-07	2.01E-08	4.85E-07	1.07E-07	1.46E-07	2.31E-07	3.99E-08	2.92E-08	1.06E-06
2420	496218.25	3859642.96	1.73E-03	1.76E-03	1.76E-03	5.98E-07	1.80E-06	1.04E-06	1.07E-06	9.66E-07	4.32E-07	4.40E-07	2.00E-08	4.82E-07	1.06E-07	1.45E-07	2.30E-07	3.96E-08	2.90E-08	1.05E-06
2421	496318.25	3859642.96	1.69E-03	1.72E-03	1.72E-03	5.84E-07	1.76E-06	1.02E-06	1.04E-06	9.44E-07	4.22E-07	4.30E-07	1.95E-08	4.71E-07	1.04E-07	1.41E-07	2.24E-07	3.87E-08	2.84E-08	1.03E-06
2422	496418.25	3859642.96	1.59E-03	1.62E-03	1.62E-03	5.49E-07	1.66E-06	9.60E-07	9.80E-07	8.88E-07	3.97E-07	4.05E-07	1.83E-08	4.43E-07	9.78E-08	1.33E-07	2.11E-07	3.65E-08	2.67E-08	9.67E-07
2423	495718.25	3859742.96	1.99E-03	2.03E-03	2.03E-03	6.90E-07	2.08E-06	1.21E-06	1.23E-06	1.12E-06	4.99E-07	5.09E-07	2.30E-08	5.57E-07	1.23E-07	1.67E-07	2.65E-07	4.58E-08	3.35E-08	1.21E-06
2424	495818.25	3859742.96	1.93E-03	1.96E-03	1.96E-03	6.66E-07	2.01E-06	1.16E-06	1.19E-06	1.08E-06	4.82E-07	4.91E-07	2.23E-08	5.38E-07	1.19E-07	1.61E-07	2.56E-07	4.42E-08	3.24E-08	1.17E-06
2425	495918.25	3859742.96	1.87E-03	1.91E-03	1.91E-03	6.48E-07	1.96E-06	1.13E-06	1.16E-06	1.05E-06	4.69E-07	4.78E-07	2.16E-08	5.23E-07	1.15E-07	1.57E-07	2.49E-07	4.30E-08	3.15E-08	1.14E-06
2426	496018.25	3859742.96	1.82E-03	1.86E-03	1.85E-03	6.30E-07	1.90E-06	1.10E-06	1.12E-06	1.02E-06	4.55E-07	4.64E-07	2.10E-08	5.08E-07	1.12E-07	1.52E-07	2.42E-07	4.18E-08	3.06E-08	1.11E-06
2427	496118.25	3859742.96	1.81E-03	1.85E-03	1.85E-03	6.27E-07	1.89E-06	1.10E-06	1.12E-06	1.01E-06	4.54E-07	4.62E-07	2.10E-08	5.06E-07	1.12E-07	1.52E-07	2.41E-07	4.16E-08	3.05E-08	1.10E-06
2428	496218.25	3859742.96	1.82E-03	1.85E-03	1.85E-03	6.28E-07	1.90E-06	1.10E-06	1.12E-06	1.02E-06	4.54E-07	4.63E-07	2.10E-08	5.07E-07	1.12E-07	1.52E-07	2.41E-07	4.17E-08	3.05E-08	1.11E-06
2429	496318.25	3859742.96	1.72E-03	1.75E-03	1.75E-03	5.94E-07	1.79E-06	1.04E-06	1.06E-06	9.61E-07	4.30E-07	4.38E-07	1.98E-08	4.79E-07	1.06E-07	1.44E-07	2.28E-07	3.94E-08	2.89E-08	1.05E-06
2430	496418.25	3859742.96	1.63E-03	1.66E-03	1.66E-03	5.63E-07	1.70E-06	9.84E-07	1.00E-06	9.11E-07	4.07E-07	4.15E-07	1.88E-08	4.54E-07	1.00E-07	1.36E-07	2.16E-07	3.74E-08	2.74E-08	9.91E-07
2431	495718.25	3859842.96	2.09E-03	2.13E-03	2.13E-03	7.24E-07	2.19E-06	1.27E-06	1.29E-06	1.17E-06	5.24E-07	5.34E-07	2.42E-08	5.84E-07	1.29E-07	1.75E-07	2.78E-07	4.81E-08	3.52E-08	1.27E-06
2432	495818.25	3859842.96	2.03E-03	2.07E-03	2.07E-03	7.03E-07	2.12E-06	1.23E-06	1.25E-06	1.14E-06	5.08E-07	5.18E-07	2.35E-08	5.67E-07	1.25E-07	1.70E-07	2.70E-07	4.66E-08	3.42E-08	1.24E-06
2433	495918.25	3859842.96	1.97E-03	2.01E-03	2.01E-03	6.82E-07	2.06E-06	1.19E-06	1.22E-06	1.10E-06	4.93E-07	5.02E-07	2.28E-08	5.50E-07	1.21E-07	1.65E-07	2.62E-07	4.52E-08	3.31E-08	1.20E-06
2434	496018.25	3859842.96	1.93E-03	1.97E-03	1.97E-03	6.67E-07	2.02E-06	1.17E-06	1.19E-06	1.08E-06	4.83E-07	4.92E-07	2.23E-08	5.38E-07	1.19E-07	1.62E-07	2.56E-07	4.43E-08	3.24E-08	1.17E-06
2435	496118.25	3859842.96	1.93E-03	1.97E-03	1.97E-03	6.69E-07	2.02E-06	1.17E-06	1.19E-06	1.08E-06	4.84E-07	4.93E-07	2.23E-08	5.40E-07	1.19E-07	1.62E-07	2.57E-07	4.44E-08	3.25E-08	1.18E-06
2436	496218.25	3859842.96	1.83E-03	1.87E-03	1.87E-03	6.35E-07	1.92E-06	1.11E-06	1.13E-06	1.03E-06	4.59E-07	4.68E-07	2.12E-08	5.12E-07	1.13E-07	1.54E-07	2.44E-07	4.21E-08	3.09E-08	1.12E-06
2437	496318.25	3859842.96	1.67E-03	1.70E-03	1.70E-03	5.78E-07	1.75E-06	1.01E-06	1.03E-06	9.35E-07	4.18E-07	4.26E-07	1.93E-08	4.66E-07	1.03E-07	1.40E-07	2.22E-07	3.84E-08	2.81E-08	1.02E-06
2438	496418.25	3859842.96	1.57E-03	1.60E-03	1.60E-03	5.44E-07	1.64E-06	9.50E-07	9.70E-07	8.79E-07	3.93E-07	4.01E-07	1.82E-08	4.39E-07	9.68E-08	1.32E-07	2.09E-07	3.61E-08	2.64E-08	9.56E-07
2439	495718.25	3859942.96	2.18E-03	2.22E-03	2.22E-03	7.53E-07	2.28E-06	1.32E-06	1.34E-06	1.22E-06	5.45E-07	5.55E-07	2.52E-08	6.08E-07	1.34E-07	1.82E-07	2.89E-07	5.00E-08	3.66E-08	1.33E-06
2440	495818.25	3859942.96	2.11E-03	2.15E-03	2.15E-03	7.29E-07	2.20E-06	1.27E-06	1.30E-06	1.18E-06	5.27E-07	5.37E-07	2.43E-08	5.88E-07	1.30E-07	1.77E-07	2.80E-07	4.84E-08	3.54E-08	1.28E-06
2441	495918.25	3859942.96	2.05E-03	2.10E-03	2.09E-03	7.11E-07	2.15E-06	1.24E-06	1.27E-06	1.15E-06	5.14E-07	5.24E-07	2.37E-08	5.73E-07	1.27E-07	1.72E-07	2.73E-07	4.72E-08	3.46E-08	1.25E-06
2442	496018.25	3859942.96	2.04E-03	2.08E-03	2.08E-03	7.06E-07	2.13E-06	1.23E-06	1.26E-06	1.14E-06	5.10E-07	5.20E-07	2.36E-08	5.69E-07	1.26E-07	1.71E-07	2.71E-07	4.68E-08	3.43E-08	1.24E-06
2443	496118.25	3859942.96	1.95E-03	1.99E-03	1.99E-03	6.74E-07	2.04E-06	1.18E-06	1.20E-06	1.09E-06	4.87E-07	4.97E-07	2.25E-08	5.44E-07	1.20E-07	1.63E-07	2.59E-07	4.47E-08	3.28E-08	1.19E-06
2444	496218.25	3859942.96	1.82E-03	1.86E-03	1.86E-03	6.30E-07	1.90E-06	1.10E-06	1.12E-06	1.02E-06	4.56E-07	4.64E-07	2.10E-08	5.08E-07	1.12E-07	1.53E-07	2.42E-07	4.18E-08	3.06E-08	1.11E-06

2445	496318.25	3859942.96	1.70E-03	1.74E-03	1.74E-03	5.89E-07	1.78E-06	1.03E-06	1.05E-06	9.53E-07	4.26E-07	4.34E-07	1.97E-08	4.75E-07	1.05E-07	1.43E-07	2.26E-07	3.91E-08	2.86E-08	1.04E-06
2446	496418.25	3859942.96	1.57E-03	1.60E-03	1.60E-03	5.42E-07	1.64E-06	9.48E-07	9.67E-07	8.77E-07	3.92E-07	4.00E-07	1.81E-08	4.37E-07	9.65E-08	1.31E-07	2.08E-07	3.60E-08	2.64E-08	9.54E-07
2447	496856.82	3858864.83	9.90E-04	1.01E-03	1.01E-03	3.43E-07	1.03E-06	5.99E-07	6.11E-07	5.54E-07	2.48E-07	2.53E-07	1.14E-08	2.76E-07	6.10E-08	8.30E-08	1.32E-07	2.27E-08	1.67E-08	6.03E-07
2448	496956.82	3858864.83	9.72E-04	9.92E-04	9.91E-04	3.37E-07	1.02E-06	5.88E-07	6.00E-07	5.44E-07	2.43E-07	2.48E-07	1.12E-08	2.72E-07	5.99E-08	8.15E-08	1.29E-07	2.23E-08	1.64E-08	5.92E-07
2449	497056.82	3858864.83	9.56E-04	9.75E-04	9.74E-04	3.31E-07	9.99E-07	5.78E-07	5.90E-07	5.35E-07	2.39E-07	2.44E-07	1.10E-08	2.67E-07	5.89E-08	8.01E-08	1.27E-07	2.20E-08	1.61E-08	5.82E-07
2450	497156.82	3858864.83	9.36E-04	9.56E-04	9.54E-04	3.24E-07	9.79E-07	5.67E-07	5.78E-07	5.24E-07	2.34E-07	2.39E-07	1.08E-08	2.61E-07	5.77E-08	7.85E-08	1.25E-07	2.15E-08	1.58E-08	5.70E-07
2451	497256.82	3858864.83	9.28E-04	9.47E-04	9.46E-04	3.21E-07	9.70E-07	5.61E-07	5.73E-07	5.19E-07	2.32E-07	2.37E-07	1.07E-08	2.59E-07	5.72E-08	7.78E-08	1.23E-07	2.13E-08	1.56E-08	5.65E-07
2452	496856.82	3858964.83	1.05E-03	1.07E-03	1.07E-03	3.64E-07	1.10E-06	6.37E-07	6.49E-07	5.89E-07	2.63E-07	2.68E-07	1.22E-08	2.94E-07	6.48E-08	8.82E-08	1.40E-07	2.42E-08	1.77E-08	6.41E-07
2453	496956.82	3858964.83	1.03E-03	1.05E-03	1.05E-03	3.55E-07	1.07E-06	6.21E-07	6.33E-07	5.74E-07	2.57E-07	2.62E-07	1.19E-08	2.86E-07	6.32E-08	8.60E-08	1.36E-07	2.36E-08	1.73E-08	6.25E-07
2454	497056.82	3858964.83	1.01E-03	1.03E-03	1.03E-03	3.48E-07	1.05E-06	6.09E-07	6.21E-07	5.63E-07	2.52E-07	2.57E-07	1.16E-08	2.81E-07	6.20E-08	8.43E-08	1.34E-07	2.31E-08	1.69E-08	6.13E-07
2455	497156.82	3858964.83	9.86E-04	1.01E-03	1.00E-03	3.41E-07	1.03E-06	5.96E-07	6.09E-07	5.52E-07	2.47E-07	2.51E-07	1.14E-08	2.75E-07	6.07E-08	8.26E-08	1.31E-07	2.26E-08	1.66E-08	6.00E-07
2456	497256.82	3858964.83	9.88E-04	1.01E-03	1.01E-03	3.42E-07	1.03E-06	5.98E-07	6.10E-07	5.53E-07	2.47E-07	2.52E-07	1.14E-08	2.76E-07	6.09E-08	8.28E-08	1.31E-07	2.27E-08	1.66E-08	6.02E-07
2457	496856.82	3859064.83	1.10E-03	1.12E-03	1.12E-03	3.81E-07	1.15E-06	6.67E-07	6.80E-07	6.17E-07	2.76E-07	2.81E-07	1.27E-08	3.08E-07	6.79E-08	9.24E-08	1.47E-07	2.53E-08	1.85E-08	6.71E-07
2458	496956.82	3859064.83	1.08E-03	1.10E-03	1.10E-03	3.73E-07	1.13E-06	6.52E-07	6.66E-07	6.03E-07	2.70E-07	2.75E-07	1.25E-08	3.01E-07	6.64E-08	9.04E-08	1.43E-07	2.48E-08	1.81E-08	6.56E-07
2459	497056.82	3859064.83	1.06E-03	1.08E-03	1.08E-03	3.66E-07	1.11E-06	6.40E-07	6.53E-07	5.92E-07	2.65E-07	2.70E-07	1.22E-08	2.95E-07	6.52E-08	8.87E-08	1.41E-07	2.43E-08	1.78E-08	6.44E-07
2460	497156.82	3859064.83	1.04E-03	1.06E-03	1.06E-03	3.60E-07	1.09E-06	6.29E-07	6.42E-07	5.82E-07	2.60E-07	2.65E-07	1.20E-08	2.90E-07	6.40E-08	8.71E-08	1.38E-07	2.39E-08	1.75E-08	6.33E-07
2461	497256.82	3859064.83	1.05E-03	1.07E-03	1.07E-03	3.63E-07	1.10E-06	6.35E-07	6.47E-07	5.87E-07	2.62E-07	2.68E-07	1.21E-08	2.93E-07	6.46E-08	8.79E-08	1.39E-07	2.41E-08	1.76E-08	6.39E-07
2462	496856.82	3859164.83	1.14E-03	1.16E-03	1.16E-03	3.95E-07	1.19E-06	6.91E-07	7.05E-07	6.39E-07	2.86E-07	2.91E-07	1.32E-08	3.19E-07	7.03E-08	9.57E-08	1.52E-07	2.62E-08	1.92E-08	6.95E-07
2463	496956.82	3859164.83	1.11E-03	1.14E-03	1.14E-03	3.86E-07	1.16E-06	6.74E-07	6.88E-07	6.24E-07	2.79E-07	2.84E-07	1.29E-08	3.11E-07	6.86E-08	9.34E-08	1.48E-07	2.56E-08	1.87E-08	6.78E-07
2464	497056.82	3859164.83	1.10E-03	1.12E-03	1.12E-03	3.80E-07	1.15E-06	6.65E-07	6.78E-07	6.15E-07	2.75E-07	2.80E-07	1.27E-08	3.07E-07	6.77E-08	9.21E-08	1.46E-07	2.52E-08	1.85E-08	6.69E-07
2465	497156.82	3859164.83	1.10E-03	1.12E-03	1.12E-03	3.80E-07	1.15E-06	6.64E-07	6.77E-07	6.14E-07	2.74E-07	2.80E-07	1.27E-08	3.06E-07	6.76E-08	9.19E-08	1.46E-07	2.52E-08	1.85E-08	6.68E-07
2466	497256.82	3859164.83	1.11E-03	1.13E-03	1.13E-03	3.85E-07	1.16E-06	6.72E-07	6.86E-07	6.22E-07	2.78E-07	2.83E-07	1.28E-08	3.10E-07	6.85E-08	9.31E-08	1.48E-07	2.55E-08	1.87E-08	6.77E-07
2467	496856.82	3859264.83	1.17E-03	1.20E-03	1.19E-03	4.06E-07	1.22E-06	7.09E-07	7.24E-07	6.56E-07	2.93E-07	2.99E-07	1.35E-08	3.27E-07	7.22E-08	9.82E-08	1.56E-07	2.69E-08	1.97E-08	7.14E-07
2468	496956.82	3859264.83	1.16E-03	1.18E-03	1.18E-03	4.02E-07	1.21E-06	7.02E-07	7.16E-07	6.49E-07	2.90E-07	2.96E-07	1.34E-08	3.24E-07	7.15E-08	9.72E-08	1.54E-07	2.66E-08	1.95E-08	7.06E-07
2469	497056.82	3859264.83	1.16E-03	1.18E-03	1.18E-03	4.01E-07	1.21E-06	7.01E-07	7.15E-07	6.48E-07	2.90E-07	2.96E-07	1.34E-08	3.24E-07	7.14E-08	9.71E-08	1.54E-07	2.66E-08	1.95E-08	7.06E-07
2470	497156.82	3859264.83	1.16E-03	1.18E-03	1.18E-03	4.00E-07	1.21E-06	6.99E-07	7.13E-07	6.47E-07	2.89E-07	2.95E-07	1.34E-08	3.23E-07	7.12E-08	9.69E-08	1.54E-07	2.65E-08	1.94E-08	7.04E-07
2471	497256.82	3859264.83	1.17E-03	1.19E-03	1.19E-03	4.04E-07	1.22E-06	7.05E-07	7.20E-07	6.52E-07	2.92E-07	2.97E-07	1.35E-08	3.25E-07	7.18E-08	9.77E-08	1.55E-07	2.68E-08	1.96E-08	7.10E-07
2472	497088.92	3858620.93	8.21E-04	8.37E-04	8.36E-04	2.84E-07	8.58E-07	4.97E-07	5.07E-07	4.59E-07	2.05E-07	2.09E-07	9.49E-09	2.29E-07	5.06E-08	6.88E-08	1.09E-07	1.88E-08	1.38E-08	5.00E-07
2473	497138.92	3858620.93	8.19E-04	8.36E-04	8.35E-04	2.83E-07	8.56E-07	4.95E-07	5.06E-07	4.58E-07	2.05E-07	2.09E-07	9.47E-09	2.29E-07	5.05E-08	6.86E-08	1.09E-07	1.88E-08	1.38E-08	4.99E-07
2474	497188.92	3858620.93	8.16E-04	8.32E-04	8.31E-04	2.82E-07	8.52E-07	4.94E-07	5.04E-07	4.57E-07	2.04E-07	2.08E-07	9.43E-09	2.28E-07	5.03E-08	6.84E-08	1.08E-07	1.87E-08	1.37E-08	4.97E-07
2475	497238.92	3858620.93	8.11E-04	8.28E-04	8.27E-04	2.81E-07	8.48E-07	4.91E-07	5.01E-07	4.54E-07	2.03E-07	2.07E-07	9.38E-09	2.27E-07	5.00E-08	6.80E-08	1.08E-07	1.86E-08	1.36E-08	4.94E-07
2476	497088.92	3858670.93	8.40E-04	8.57E-04	8.56E-04	2.91E-07	8.78E-07	5.08E-07	5.19E-07	4.70E-07	2.10E-07	2.14E-07	9.71E-09	2.34E-07	5.17E-08	7.04E-08	1.12E-07	1.93E-08	1.41E-08	5.11E-07
2477	497138.92	3858670.93	8.42E-04	8.59E-04	8.58E-04	2.91E-07	8.80E-07	5.09E-07	5.20E-07	4.71E-07	2.11E-07	2.15E-07	9.73E-09	2.35E-07	5.19E-08	7.05E-08	1.12E-07	1.93E-08	1.42E-08	5.13E-07
2478	497188.92	3858670.93	8.34E-04	8.52E-04	8.51E-04	2.89E-07	8.72E-07	5.05E-07	5.15E-07	4.67E-07	2.09E-07	2.13E-07	9.65E-09	2.33E-07	5.14E-08	7.00E-08	1.11E-07	1.92E-08	1.40E-08	5.08E-07
2479	497238.92	3858670.93	8.32E-04	8.49E-04	8.48E-04	2.88E-07	8.70E-07	5.03E-07	5.14E-07	4.66E-07	2.08E-07	2.12E-07	9.62E-09	2.32E-07	5.13E-08	6.98E-08	1.11E-07	1.91E-08	1.40E-08	5.07E-07
2480	497088.92	3858720.93	8.72E-04	8.89E-04	8.88E-04	3.02E-07	9.11E-07	5.27E-07	5.38E-07	4.88E-07	2.18E-07	2.22E-07	1.01E-08	2.43E-07	5.37E-08	7.31E-08	1.16E-07	2.00E-08	1.47E-08	5.31E-07
2481	497138.92	3858720.93	8.53E-04	8.70E-04	8.69E-04	2.95E-07	8.92E-07	5.16E-07	5.27E-07	4.77E-07	2.13E-07	2.18E-07	9.86E-09	2.38E-07	5.26E-08	7.15E-08	1.13E-07	1.96E-08	1.44E-08	5.20E-07
2482	497188.92	3858720.93	8.48E-04	8.65E-04	8.64E-04	2.94E-07	8.86E-07	5.13E-07	5.24E-07	4.75E-07	2.12E-07	2.16E-07	9.80E-09	2.37E-07	5.23E-08	7.11E-08	1.13E-07	1.95E-08	1.43E-08	5.16E-07
2483	497238.92	3858720.93	8.55E-04	8.73E-04	8.72E-04	2.96E-07	8.94E-07	5.18E-07	5.28E-07	4.79E-07	2.14E-07	2.18E-07	9.89E-09	2.39E-07	5.27E-08	7.17E-08	1.14E-07	1.96E-08	1.44E-08	5.21E-07
2484	497088.92	3858770.93	8.93E-04	9.11E-04	9.10E-04	3.09E-07	9.33E-07	5.40E-07	5.51E-07	5.00E-07	2.23E-07	2.28E-07	1.03E-08	2.49E-07	5.50E-08	7.48E-08	1.19E-07	2.05E-08	1.50E-08	5.44E-07
2485	497138.92	3858770.93	8.83E-04	9.01E-04	9.00E-04	3.06E-07	9.23E-07	5.35E-07	5.45E-07	4.94E-07	2.21E-07	2.25E-07	1.02E-08	2.47E-07	5.44E-08	7.41E-08	1.17E-07	2.03E-08	1.49E-08	5.38E-07
2486	497188.92	3858770.93	8.74E-04	8.92E-04	8.91E-04	3.03E-07	9.13E-07	5.29E-07	5.40E-07	4.89E-07	2.19E-07	2.23E-07	1.01E-08	2.44E-07	5.38E-08	7.33E-08	1.16E-07	2.01E-08	1.47E-08	5.32E-07
2487	497238.92	3858770.93	8.79E-04	8.97E-04	8.96E-04	3.04E-07	9.19E-07	5.32E-07	5.43E-07	4.92E-07	2.20E-07	2.24E-07	1.02E-08	2.46E-07	5.42E-08	7.37E-08	1.17E-07	2.02E-08	1.48E-08	5.35E-07
2488	497396.65	3858622.63	8.36E-04	8.53E-04	8.52E-04	2.89E-07	8.74E-07	5.06E-07	5.16E-07	4.68E-07	2.09E-07	2.13E-07	9.66E-09	2.33E-07	5.15E-08	7.01E-08	1.11E-07	1.92E-08	1.41E-08	5.09E-07
2489	497496.65	3858622.63	8.49E-04	8.67E-04	8.66E-04	2.94E-07	8.88E-07	5.14E-07	5.24E-07	4.75E-07	2.13E-07	2.17E-07	9.82E-09	2.37E-07	5.23E-08	7.12E-08	1.13E-07	1.95E-08	1.43E-08	5.17E-07
2490	497596.65	3858622.63	8.74E-04	8.92E-04	8.91E-04	3.03E-07	9.14E-07	5.29E-07	5.40E-07	4.89E-07	2.19E-07	2.23E-07	1.01E-08	2.44E-07	5.39E-08	7.33E-08	1.16E-07	2.01E-08	1.47E-08	5.32E-07
2491	497696.65	3858622.63	8.83E-04	9.01E-04	9.00E-04	3.06E-07	9.23E-07	5.35E-07	5.45E-07	4.94E-07	2.21E-07	2.25E-07	1.02E-08	2.47E-07	5.44E-08	7.41E-08	1.17E-07	2.03E-08	1.49E-08	5.38E-07
2492	497796.65	3858622.63	9.00E-04	9.19E-04	9.17E-04	3.12E-07	9.41E-07	5.45E-07	5.56E-07	5.04E-07	2.25E-07	2.30E-07	1.04E-08	2.51E-07	5.55E-08	7.55E-08	1.20E-07	2.07E-08	1.51E-08	5.48E-07
2493	497896.65	3858622.63	9.18E-04	9.36E-04	9.35E-04	3.18E-07	9.59E-07	5.55E-07	5.67E-07	5.14E-07	2.30E-07	2.34E-07	1.06E-08	2.56E-07	5.65E-08	7.69E-08	1.22E-07	2.11E-08	1.54E-08	5.59E-07
2494	497396.65	3858722.63	8.85E-04	9.03E-04	9.02E-04	3.06E-07	9.25E-07	5.35E-07	5.46E-07	4.95E-07	2.21E-07	2.26E-07	1.02E-08	2.47E-07	5.45E-08	7.42E-08	1.18E-07	2.03E-08	1.49E-08	5.39E-07
2495	497496.65	3858722.63	8.98E-04	9.16E-04	9.15E-04	3.11E-07	9.39E-07	5.43E-07	5.55E-07	5.03E-07	2.25E-07	2.29E-07	1.04E-08	2.51E-07	5.53E-08	7.53E-08	1.19E-07	2.06E-08	1.51E-08	5.47E-07
2496	497596.65	3858722.63	9.24E-04	9.43E-04	9.42E-04	3.20E-07	9.66E-07	5.59E-07	5.70E-07	5.17E-07	2.31E-07	2.36E-07	1.07E-08	2.58E-07	5.69E-08	7.74E-08	1.23E-07	2.12E-08	1.55E-08	5.63E-07
2497	497696.65	3858722.63	9.37E-04	9.56E-04	9.55E-04	3.24E-07	9.80E-07	5.67E-07	5.79E-07	5.25E-07	2.35E-07	2.39E-07	1.08E-08	2.62E-07	5.78E-08	7.86E-08	1.25E-07	2.15E-08	1.58E-08	5.71E-07
2498	497796.65	3858722.63	9.44E-04	9.63E-04	9.62E-04	3.27E-07	9.86E-07	5.71E-07	5.83E-07	5.28E-07	2.36E-07	2.41E-07	1.09E-08	2.63E-07	5.81E-08	7.91E-08	1.25E-07	2.17E-08	1.59E-08	5.75E-07
2499	497896.65	3858722.63	9.55E-04	9.75E-04	9.73E-04	3.31E-07	9.98E-07	5.78E-07	5.90E-07	5.35E-07	2.39E-07	2.44E-07	1.10E-08	2.67E-07	5.88E-08	8.01E-08	1.27E-07	2.19E-08	1.61E-08	5.82E-07
2500	497396.65	3858822.63	9.28E-04	9.47E-04	9.46E-04	3.21E-07	9.70E-07	5.61E-07	5.73E-07	5.19E-07	2.32E-07	2.37E-07	1.07E-08	2.59E-07	5.72E-08	7.78E-08	1.23E-07	2.13E-08	1.56E-08	5.65E-07
2501	497496.65	3858822.63	9.38E-04	9.57E-04	9.56E-04	3.25E-07	9.81E-07	5.68E-07	5.79E-07	5.25E-07	2.35E-07	2.39E-07	1.08E-08	2.62E-07	5.78E-08	7.86E-08	1.25E-07	2.15E-08	1.58E-08	5.71E-07

2502	497596.65	3858822.63	9.66E-04	9.85E-04	9.84E-04	3.34E-07	1.01E-06	5.84E-07	5.96E-07	5.40E-07	2.42E-07	2.46E-07	1.12E-08	2.70E-07	5.95E-08	8.09E-08	1.28E-07	2.22E-08	1.62E-08	5.88E-07
2503	497696.65	3858822.63	9.78E-04	9.98E-04	9.97E-04	3.39E-07	1.02E-06	5.92E-07	6.04E-07	5.47E-07	2.45E-07	2.49E-07	1.13E-08	2.73E-07	6.03E-08	8.20E-08	1.30E-07	2.25E-08	1.65E-08	5.96E-07
2504	497796.65	3858822.63	9.81E-04	1.00E-03	1.00E-03	3.40E-07	1.03E-06	5.94E-07	6.06E-07	5.49E-07	2.46E-07	2.50E-07	1.13E-08	2.74E-07	6.05E-08	8.23E-08	1.30E-07	2.25E-08	1.65E-08	5.98E-07
2505	497896.65	3858822.63	1.01E-03	1.03E-03	1.02E-03	3.48E-07	1.05E-06	6.08E-07	6.21E-07	5.63E-07	2.52E-07	2.56E-07	1.16E-08	2.81E-07	6.19E-08	8.43E-08	1.34E-07	2.31E-08	1.69E-08	6.12E-07
2506	497396.65	3858922.63	9.74E-04	9.94E-04	9.93E-04	3.37E-07	1.02E-06	5.89E-07	6.01E-07	5.45E-07	2.44E-07	2.48E-07	1.13E-08	2.72E-07	6.00E-08	8.16E-08	1.30E-07	2.24E-08	1.64E-08	5.93E-07
2507	497496.65	3858922.63	9.99E-04	1.02E-03	1.02E-03	3.46E-07	1.04E-06	6.05E-07	6.17E-07	5.59E-07	2.50E-07	2.55E-07	1.16E-08	2.79E-07	6.16E-08	8.38E-08	1.33E-07	2.30E-08	1.68E-08	6.09E-07
2508	497596.65	3858922.63	9.94E-04	1.01E-03	1.01E-03	3.44E-07	1.04E-06	6.02E-07	6.14E-07	5.56E-07	2.49E-07	2.54E-07	1.15E-08	2.78E-07	6.13E-08	8.33E-08	1.32E-07	2.28E-08	1.67E-08	6.05E-07
2509	497696.65	3858922.63	1.02E-03	1.04E-03	1.04E-03	3.54E-07	1.07E-06	6.19E-07	6.31E-07	5.72E-07	2.56E-07	2.61E-07	1.18E-08	2.85E-07	6.30E-08	8.57E-08	1.36E-07	2.35E-08	1.72E-08	6.23E-07
2510	497796.65	3858922.63	1.04E-03	1.06E-03	1.06E-03	3.60E-07	1.09E-06	6.30E-07	6.43E-07	5.83E-07	2.61E-07	2.66E-07	1.20E-08	2.91E-07	6.42E-08	8.73E-08	1.38E-07	2.39E-08	1.75E-08	6.34E-07
2511	497896.65	3858922.63	1.07E-03	1.09E-03	1.09E-03	3.70E-07	1.12E-06	6.46E-07	6.60E-07	5.98E-07	2.67E-07	2.72E-07	1.23E-08	2.98E-07	6.58E-08	8.95E-08	1.42E-07	2.45E-08	1.80E-08	6.51E-07
2512	497364.44	3858201.52	6.93E-04	7.07E-04	7.06E-04	2.40E-07	7.24E-07	4.19E-07	4.28E-07	3.88E-07	1.73E-07	1.77E-07	8.01E-09	1.93E-07	4.27E-08	5.81E-08	9.21E-08	1.59E-08	1.17E-08	4.22E-07
2513	497414.44	3858201.52	6.98E-04	7.13E-04	7.12E-04	2.42E-07	7.30E-07	4.23E-07	4.31E-07	3.91E-07	1.75E-07	1.78E-07	8.07E-09	1.95E-07	4.30E-08	5.85E-08	9.29E-08	1.60E-08	1.18E-08	4.25E-07
2514	497464.44	3858201.52	7.05E-04	7.19E-04	7.18E-04	2.44E-07	7.36E-07	4.26E-07	4.35E-07	3.94E-07	1.76E-07	1.80E-07	8.14E-09	1.97E-07	4.34E-08	5.91E-08	9.37E-08	1.62E-08	1.19E-08	4.29E-07
2515	497514.44	3858201.52	7.09E-04	7.24E-04	7.23E-04	2.46E-07	7.41E-07	4.29E-07	4.38E-07	3.97E-07	1.78E-07	1.81E-07	8.20E-09	1.98E-07	4.37E-08	5.95E-08	9.43E-08	1.63E-08	1.19E-08	4.32E-07
2516	497564.44	3858201.52	7.08E-04	7.22E-04	7.21E-04	2.45E-07	7.40E-07	4.28E-07	4.37E-07	3.96E-07	1.77E-07	1.81E-07	8.18E-09	1.98E-07	4.36E-08	5.93E-08	9.41E-08	1.63E-08	1.19E-08	4.31E-07
2517	497614.44	3858201.52	7.10E-04	7.24E-04	7.23E-04	2.46E-07	7.42E-07	4.29E-07	4.38E-07	3.97E-07	1.78E-07	1.81E-07	8.20E-09	1.98E-07	4.37E-08	5.95E-08	9.44E-08	1.63E-08	1.19E-08	4.32E-07
2518	497364.44	3858251.52	7.15E-04	7.29E-04	7.28E-04	2.47E-07	7.47E-07	4.32E-07	4.41E-07	4.00E-07	1.79E-07	1.82E-07	8.26E-09	2.00E-07	4.40E-08	5.99E-08	9.50E-08	1.64E-08	1.20E-08	4.35E-07
2519	497414.44	3858251.52	7.24E-04	7.39E-04	7.38E-04	2.51E-07	7.57E-07	4.38E-07	4.47E-07	4.05E-07	1.81E-07	1.85E-07	8.37E-09	2.02E-07	4.46E-08	6.07E-08	9.63E-08	1.66E-08	1.22E-08	4.41E-07
2520	497464.44	3858251.52	7.20E-04	7.34E-04	7.33E-04	2.49E-07	7.52E-07	4.35E-07	4.44E-07	4.03E-07	1.80E-07	1.84E-07	8.32E-09	2.01E-07	4.43E-08	6.03E-08	9.57E-08	1.65E-08	1.21E-08	4.38E-07
2521	497514.44	3858251.52	7.14E-04	7.29E-04	7.28E-04	2.47E-07	7.46E-07	4.32E-07	4.41E-07	4.00E-07	1.79E-07	1.82E-07	8.25E-09	1.99E-07	4.40E-08	5.99E-08	9.49E-08	1.64E-08	1.20E-08	4.35E-07
2522	497564.44	3858251.52	7.13E-04	7.27E-04	7.26E-04	2.47E-07	7.45E-07	4.31E-07	4.40E-07	3.99E-07	1.78E-07	1.82E-07	8.24E-09	1.99E-07	4.39E-08	5.98E-08	9.48E-08	1.64E-08	1.20E-08	4.34E-07
2523	497614.44	3858251.52	7.12E-04	7.26E-04	7.25E-04	2.46E-07	7.44E-07	4.31E-07	4.39E-07	3.98E-07	1.78E-07	1.82E-07	8.23E-09	1.99E-07	4.38E-08	5.97E-08	9.46E-08	1.63E-08	1.20E-08	4.33E-07
2524	497364.44	3858301.52	7.28E-04	7.43E-04	7.42E-04	2.52E-07	7.61E-07	4.41E-07	4.50E-07	4.08E-07	1.82E-07	1.86E-07	8.42E-09	2.03E-07	4.49E-08	6.10E-08	9.68E-08	1.67E-08	1.23E-08	4.43E-07
2525	497414.44	3858301.52	7.35E-04	7.50E-04	7.49E-04	2.54E-07	7.68E-07	4.44E-07	4.54E-07	4.11E-07	1.84E-07	1.87E-07	8.49E-09	2.05E-07	4.53E-08	6.16E-08	9.77E-08	1.69E-08	1.24E-08	4.47E-07
2526	497464.44	3858301.52	7.28E-04	7.43E-04	7.42E-04	2.52E-07	7.61E-07	4.41E-07	4.50E-07	4.08E-07	1.82E-07	1.86E-07	8.42E-09	2.03E-07	4.49E-08	6.11E-08	9.69E-08	1.67E-08	1.23E-08	4.44E-07
2527	497514.44	3858301.52	7.25E-04	7.39E-04	7.39E-04	2.51E-07	7.57E-07	4.38E-07	4.47E-07	4.06E-07	1.81E-07	1.85E-07	8.38E-09	2.02E-07	4.46E-08	6.07E-08	9.64E-08	1.66E-08	1.22E-08	4.41E-07
2528	497564.44	3858301.52	7.18E-04	7.33E-04	7.32E-04	2.49E-07	7.51E-07	4.35E-07	4.44E-07	4.02E-07	1.80E-07	1.83E-07	8.30E-09	2.01E-07	4.43E-08	6.02E-08	9.55E-08	1.65E-08	1.21E-08	4.37E-07
2529	497614.44	3858301.52	7.17E-04	7.31E-04	7.30E-04	2.48E-07	7.49E-07	4.34E-07	4.42E-07	4.01E-07	1.79E-07	1.83E-07	8.28E-09	2.00E-07	4.42E-08	6.01E-08	9.53E-08	1.65E-08	1.21E-08	4.36E-07
2530	497364.44	3858351.52	7.45E-04	7.60E-04	7.59E-04	2.58E-07	7.79E-07	4.51E-07	4.60E-07	4.17E-07	1.86E-07	1.90E-07	8.61E-09	2.08E-07	4.59E-08	6.24E-08	9.91E-08	1.71E-08	1.25E-08	4.54E-07
2531	497414.44	3858351.52	7.41E-04	7.56E-04	7.55E-04	2.57E-07	7.75E-07	4.48E-07	4.58E-07	4.15E-07	1.85E-07	1.89E-07	8.57E-09	2.07E-07	4.57E-08	6.21E-08	9.86E-08	1.70E-08	1.25E-08	4.51E-07
2532	497464.44	3858351.52	7.40E-04	7.55E-04	7.54E-04	2.56E-07	7.73E-07	4.48E-07	4.57E-07	4.14E-07	1.85E-07	1.89E-07	8.55E-09	2.07E-07	4.56E-08	6.20E-08	9.84E-08	1.70E-08	1.24E-08	4.51E-07
2533	497514.44	3858351.52	7.37E-04	7.52E-04	7.51E-04	2.55E-07	7.70E-07	4.46E-07	4.55E-07	4.12E-07	1.84E-07	1.88E-07	8.52E-09	2.06E-07	4.54E-08	6.18E-08	9.80E-08	1.69E-08	1.24E-08	4.49E-07
2534	497564.44	3858351.52	7.28E-04	7.43E-04	7.42E-04	2.52E-07	7.61E-07	4.41E-07	4.50E-07	4.08E-07	1.82E-07	1.86E-07	8.42E-09	2.03E-07	4.49E-08	6.11E-08	9.69E-08	1.67E-08	1.23E-08	4.44E-07
2535	497614.44	3858351.52	7.27E-04	7.42E-04	7.41E-04	2.52E-07	7.60E-07	4.40E-07	4.49E-07	4.07E-07	1.82E-07	1.85E-07	8.40E-09	2.03E-07	4.48E-08	6.09E-08	9.67E-08	1.67E-08	1.22E-08	4.43E-07
2536	497364.44	3858401.52	7.49E-04	7.65E-04	7.64E-04	2.59E-07	7.83E-07	4.53E-07	4.63E-07	4.19E-07	1.88E-07	1.91E-07	8.66E-09	2.09E-07	4.62E-08	6.28E-08	9.96E-08	1.72E-08	1.26E-08	4.56E-07
2537	497414.44	3858401.52	7.51E-04	7.66E-04	7.65E-04	2.60E-07	7.85E-07	4.54E-07	4.64E-07	4.20E-07	1.88E-07	1.92E-07	8.68E-09	2.10E-07	4.63E-08	6.29E-08	9.98E-08	1.72E-08	1.26E-08	4.57E-07
2538	497464.44	3858401.52	7.46E-04	7.62E-04	7.61E-04	2.58E-07	7.80E-07	4.52E-07	4.61E-07	4.18E-07	1.87E-07	1.90E-07	8.63E-09	2.08E-07	4.60E-08	6.26E-08	9.93E-08	1.71E-08	1.26E-08	4.55E-07
2539	497514.44	3858401.52	7.44E-04	7.59E-04	7.58E-04	2.58E-07	7.78E-07	4.50E-07	4.59E-07	4.16E-07	1.86E-07	1.90E-07	8.60E-09	2.08E-07	4.58E-08	6.24E-08	9.89E-08	1.71E-08	1.25E-08	4.53E-07
2540	497564.44	3858401.52	7.51E-04	7.66E-04	7.65E-04	2.60E-07	7.85E-07	4.54E-07	4.64E-07	4.20E-07	1.88E-07	1.92E-07	8.68E-09	2.10E-07	4.63E-08	6.29E-08	9.98E-08	1.72E-08	1.26E-08	4.57E-07
2541	497614.44	3858401.52	7.55E-04	7.71E-04	7.70E-04	2.61E-07	7.89E-07	4.57E-07	4.66E-07	4.23E-07	1.89E-07	1.93E-07	8.73E-09	2.11E-07	4.65E-08	6.33E-08	1.00E-07	1.73E-08	1.27E-08	4.60E-07
2542	493478.11	3860497.94	5.42E-03	5.53E-03	5.52E-03	1.88E-06	5.67E-06	3.28E-06	3.35E-06	3.03E-06	1.36E-06	1.38E-06	6.27E-08	1.51E-06	3.34E-07	4.54E-07	7.21E-07	1.24E-07	9.12E-08	3.30E-06
2543	493528.11	3860497.94	5.28E-03	5.38E-03	5.38E-03	1.83E-06	5.52E-06	3.19E-06	3.26E-06	2.95E-06	1.32E-06	1.35E-06	6.10E-08	1.47E-06	3.25E-07	4.42E-07	7.02E-07	1.21E-07	8.88E-08	3.21E-06
2544	493478.11	3860547.94	5.23E-03	5.34E-03	5.33E-03	1.81E-06	5.47E-06	3.16E-06	3.23E-06	2.93E-06	1.31E-06	1.33E-06	6.05E-08	1.46E-06	3.22E-07	4.38E-07	6.96E-07	1.20E-07	8.80E-08	3.19E-06
2545	493528.11	3860547.94	5.10E-03	5.20E-03	5.19E-03	1.76E-06	5.33E-06	3.08E-06	3.15E-06	2.85E-06	1.28E-06	1.30E-06	5.89E-08	1.42E-06	3.14E-07	4.27E-07	6.78E-07	1.17E-07	8.57E-08	3.10E-06
2546	493478.11	3860597.94	5.02E-03	5.12E-03	5.12E-03	1.74E-06	5.25E-06	3.04E-06	3.10E-06	2.81E-06	1.26E-06	1.28E-06	5.80E-08	1.40E-06	3.09E-07	4.21E-07	6.67E-07	1.15E-07	8.44E-08	3.06E-06
2547	493528.11	3860597.94	4.89E-03	4.99E-03	4.99E-03	1.69E-06	5.11E-06	2.96E-06	3.02E-06	2.74E-06	1.22E-06	1.25E-06	5.65E-08	1.37E-06	3.01E-07	4.10E-07	6.50E-07	1.12E-07	8.23E-08	2.98E-06
2548	493561.88	3860524.64	5.09E-03	5.20E-03	5.19E-03	1.76E-06	5.32E-06	3.08E-06	3.14E-06	2.85E-06	1.27E-06	1.30E-06	5.89E-08	1.42E-06	3.14E-07	4.27E-07	6.77E-07	1.17E-07	8.57E-08	3.10E-06
2549	493591.88	3860524.64	5.01E-03	5.11E-03	5.11E-03	1.74E-06	5.24E-06	3.03E-06	3.09E-06	2.81E-06	1.25E-06	1.28E-06	5.79E-08	1.40E-06	3.09E-07	4.20E-07	6.67E-07	1.15E-07	8.43E-08	3.05E-06
2550	493561.88	3860554.64	4.98E-03	5.08E-03	5.08E-03	1.72E-06	5.21E-06	3.01E-06	3.08E-06	2.79E-06	1.25E-06	1.27E-06	5.76E-08	1.39E-06	3.07E-07	4.18E-07	6.62E-07	1.14E-07	8.38E-08	3.03E-06
2551	493591.88	3860554.64	4.91E-03	5.01E-03	5.00E-03	1.70E-06	5.13E-06	2.97E-06	3.03E-06	2.75E-06	1.23E-06	1.25E-06	5.67E-08	1.37E-06	3.02E-07	4.11E-07	6.53E-07	1.13E-07	8.26E-08	2.99E-06
2552	492880.5	3860293.11	9.01E-03	9.19E-03	9.18E-03	3.12E-06	9.42E-06	5.45E-06	5.56E-06	5.04E-06	2.25E-06	2.30E-06	1.04E-07	2.52E-06	5.55E-07	7.55E-07	1.20E-06	2.07E-07	1.52E-07	5.49E-06
2553	492930.5	3860293.11	8.62E-03	8.80E-03	8.79E-03	2.98E-06	9.01E-06	5.22E-06	5.32E-06	4.82E-06	2.16E-06	2.20E-06	9.96E-08	2.41E-06	5.31E-07	7.23E-07	1.15E-06	1.98E-07	1.45E-07	5.25E-06
2554	492980.5	3860293.11	8.25E-03	8.42E-03	8.41E-03	2.86E-06	8.62E-06	4.99E-06	5.09E-06	4.62E-06	2.06E-06	2.10E-06	9.54E-08	2.30E-06	5.08E-07	6.92E-07	1.10E-06	1.89E-07	1.39E-07	5.02E-06
2555	493030.5	3860293.11	7.75E-03	7.91E-03	7.90E-03	2.68E-06	8.10E-06	4.69E-06	4.79E-06	4.34E-06	1.94E-06	1.98E-06	8.96E-08	2.17E-06	4.78E-07	6.50E-07	1.03E-06	1.78E-07	1.30E-07	4.72E-06
2556	493080.5	3860293.11	7.18E-03	7.33E-03	7.32E-03	2.49E-06	7.51E-06	4.34E-06	4.43E-06	4.02E-06	1.80E-06	1.83E-06	8.30E-08	2.01E-06	4.42E-07	6.02E-07	9.55E-07	1.65E-07	1.21E-07	4.37E-06
2557	493130.5	3860293.11	7.16E-03	7.31E-03	7.30E-03	2.48E-06	7.49E-06	4.33E-06	4.42E-06	4.01E-06	1.79E-06	1.83E-06	8.28E-08	2.00E-06	4.41E-07	6.00E-07	9.53E-07	1.65E-07	1.21E-07	4.36E-06
2558	493180.5	3860293.11	7.06E-03	7.20E-03	7.19E-03	2.44E-06	7.37E-06	4.27E-06	4.36E-06	3.95E-06	1.77E-06	1.80E-06	8.16E-08	1.97E-06	4.35E-07	5.91E-07	9.38E-07	1.62E-07	1.19E-07	4.30E-06

2559	493230.5	3860293.11	6.85E-03	6.99E-03	6.98E-03	2.37E-06	7.16E-06	4.15E-06	4.23E-06	3.83E-06	1.71E-06	1.75E-06	7.92E-08	1.91E-06	4.22E-07	5.74E-07	9.11E-07	1.57E-07	1.15E-07	4.17E-06
2560	493280.5	3860293.11	6.56E-03	6.69E-03	6.69E-03	2.27E-06	6.86E-06	3.97E-06	4.05E-06	3.67E-06	1.64E-06	1.67E-06	7.58E-08	1.83E-06	4.04E-07	5.50E-07	8.72E-07	1.51E-07	1.10E-07	4.00E-06
2561	493330.5	3860293.11	6.32E-03	6.45E-03	6.45E-03	2.19E-06	6.61E-06	3.83E-06	3.90E-06	3.54E-06	1.58E-06	1.61E-06	7.31E-08	1.77E-06	3.90E-07	5.30E-07	8.41E-07	1.45E-07	1.06E-07	3.85E-06
2562	493380.5	3860293.11	6.12E-03	6.25E-03	6.24E-03	2.12E-06	6.40E-06	3.70E-06	3.78E-06	3.43E-06	1.53E-06	1.56E-06	7.08E-08	1.71E-06	3.77E-07	5.13E-07	8.14E-07	1.41E-07	1.03E-07	3.73E-06
2563	492880.5	3860343.11	8.95E-03	9.13E-03	9.12E-03	3.10E-06	9.36E-06	5.42E-06	5.53E-06	5.01E-06	2.24E-06	2.28E-06	1.03E-07	2.50E-06	5.51E-07	7.50E-07	1.19E-06	2.06E-07	1.51E-07	5.45E-06
2564	492930.5	3860343.11	8.58E-03	8.75E-03	8.74E-03	2.97E-06	8.97E-06	5.19E-06	5.30E-06	4.80E-06	2.15E-06	2.19E-06	9.92E-08	2.40E-06	5.28E-07	7.19E-07	1.14E-06	1.97E-07	1.44E-07	5.22E-06
2565	492980.5	3860343.11	8.08E-03	8.24E-03	8.23E-03	2.80E-06	8.44E-06	4.89E-06	4.99E-06	4.52E-06	2.02E-06	2.06E-06	9.34E-08	2.26E-06	4.98E-07	6.77E-07	1.07E-06	1.86E-07	1.36E-07	4.92E-06
2566	493030.5	3860343.11	7.77E-03	7.93E-03	7.92E-03	2.69E-06	8.12E-06	4.70E-06	4.80E-06	4.35E-06	1.94E-06	1.98E-06	8.98E-08	2.17E-06	4.79E-07	6.51E-07	1.03E-06	1.78E-07	1.31E-07	4.73E-06
2567	493080.5	3860343.11	7.29E-03	7.44E-03	7.43E-03	2.52E-06	7.62E-06	4.41E-06	4.50E-06	4.08E-06	1.82E-06	1.86E-06	8.43E-08	2.04E-06	4.49E-07	6.11E-07	9.70E-07	1.67E-07	1.23E-07	4.44E-06
2568	493130.5	3860343.11	7.11E-03	7.25E-03	7.25E-03	2.46E-06	7.43E-06	4.30E-06	4.39E-06	3.98E-06	1.78E-06	1.81E-06	8.22E-08	1.99E-06	4.38E-07	5.96E-07	9.45E-07	1.63E-07	1.20E-07	4.33E-06
2569	493180.5	3860343.11	7.00E-03	7.14E-03	7.13E-03	2.42E-06	7.31E-06	4.23E-06	4.32E-06	3.92E-06	1.75E-06	1.78E-06	8.09E-08	1.95E-06	4.31E-07	5.86E-07	9.30E-07	1.61E-07	1.18E-07	4.26E-06
2570	493230.5	3860343.11	6.78E-03	6.92E-03	6.91E-03	2.35E-06	7.09E-06	4.10E-06	4.19E-06	3.80E-06	1.70E-06	1.73E-06	7.84E-08	1.89E-06	4.18E-07	5.68E-07	9.02E-07	1.56E-07	1.14E-07	4.13E-06
2571	493280.5	3860343.11	6.51E-03	6.64E-03	6.63E-03	2.25E-06	6.80E-06	3.94E-06	4.02E-06	3.64E-06	1.63E-06	1.66E-06	7.52E-08	1.82E-06	4.01E-07	5.46E-07	8.65E-07	1.49E-07	1.09E-07	3.96E-06
2572	493330.5	3860343.11	6.26E-03	6.39E-03	6.38E-03	2.17E-06	6.55E-06	3.79E-06	3.87E-06	3.51E-06	1.57E-06	1.60E-06	7.24E-08	1.75E-06	3.86E-07	5.25E-07	8.33E-07	1.44E-07	1.05E-07	3.82E-06
2573	493380.5	3860343.11	6.07E-03	6.20E-03	6.19E-03	2.10E-06	6.35E-06	3.67E-06	3.75E-06	3.40E-06	1.52E-06	1.55E-06	7.02E-08	1.70E-06	3.74E-07	5.09E-07	8.08E-07	1.39E-07	1.02E-07	3.70E-06
2574	492880.5	3860393.11	8.78E-03	8.96E-03	8.95E-03	3.04E-06	9.18E-06	5.31E-06	5.42E-06	4.92E-06	2.20E-06	2.24E-06	1.02E-07	2.45E-06	5.41E-07	7.36E-07	1.17E-06	2.02E-07	1.48E-07	5.35E-06
2575	492930.5	3860393.11	8.41E-03	8.59E-03	8.58E-03	2.91E-06	8.79E-06	5.09E-06	5.19E-06	4.71E-06	2.11E-06	2.15E-06	9.73E-08	2.35E-06	5.18E-07	7.05E-07	1.12E-06	1.93E-07	1.42E-07	5.12E-06
2576	492980.5	3860393.11	8.03E-03	8.19E-03	8.18E-03	2.78E-06	8.39E-06	4.86E-06	4.96E-06	4.49E-06	2.01E-06	2.05E-06	9.28E-08	2.24E-06	4.95E-07	6.73E-07	1.07E-06	1.84E-07	1.35E-07	4.89E-06
2577	493030.5	3860393.11	7.67E-03	7.83E-03	7.82E-03	2.66E-06	8.02E-06	4.64E-06	4.74E-06	4.30E-06	1.92E-06	1.96E-06	8.87E-08	2.14E-06	4.73E-07	6.43E-07	1.02E-06	1.76E-07	1.29E-07	4.67E-06
2578	493080.5	3860393.11	7.23E-03	7.38E-03	7.37E-03	2.50E-06	7.56E-06	4.38E-06	4.47E-06	4.05E-06	1.81E-06	1.85E-06	8.36E-08	2.02E-06	4.46E-07	6.06E-07	9.62E-07	1.66E-07	1.22E-07	4.41E-06
2579	493130.5	3860393.11	7.06E-03	7.20E-03	7.19E-03	2.44E-06	7.38E-06	4.27E-06	4.36E-06	3.95E-06	1.77E-06	1.80E-06	8.16E-08	1.97E-06	4.35E-07	5.92E-07	9.39E-07	1.62E-07	1.19E-07	4.30E-06
2580	493180.5	3860393.11	6.91E-03	7.05E-03	7.04E-03	2.39E-06	7.22E-06	4.18E-06	4.26E-06	3.87E-06	1.73E-06	1.76E-06	7.98E-08	1.93E-06	4.26E-07	5.79E-07	9.19E-07	1.59E-07	1.16E-07	4.21E-06
2581	493230.5	3860393.11	6.67E-03	6.81E-03	6.80E-03	2.31E-06	6.97E-06	4.04E-06	4.12E-06	3.73E-06	1.67E-06	1.70E-06	7.71E-08	1.86E-06	4.11E-07	5.59E-07	8.87E-07	1.53E-07	1.12E-07	4.06E-06
2582	493280.5	3860393.11	6.40E-03	6.53E-03	6.52E-03	2.22E-06	6.69E-06	3.87E-06	3.95E-06	3.58E-06	1.60E-06	1.63E-06	7.40E-08	1.79E-06	3.94E-07	5.37E-07	8.51E-07	1.47E-07	1.08E-07	3.90E-06
2583	493330.5	3860393.11	6.17E-03	6.30E-03	6.29E-03	2.14E-06	6.45E-06	3.73E-06	3.81E-06	3.45E-06	1.54E-06	1.57E-06	7.13E-08	1.72E-06	3.80E-07	5.17E-07	8.20E-07	1.42E-07	1.04E-07	3.76E-06
2584	493380.5	3860393.11	5.98E-03	6.10E-03	6.09E-03	2.07E-06	6.25E-06	3.62E-06	3.69E-06	3.35E-06	1.50E-06	1.52E-06	6.91E-08	1.67E-06	3.68E-07	5.01E-07	7.95E-07	1.37E-07	1.01E-07	3.64E-06
2585	492880.5	3860443.11	8.50E-03	8.67E-03	8.66E-03	2.94E-06	8.88E-06	5.14E-06	5.25E-06	4.76E-06	2.13E-06	2.17E-06	9.82E-08	2.37E-06	5.24E-07	7.12E-07	1.13E-06	1.95E-07	1.43E-07	5.18E-06
2586	492930.5	3860443.11	8.15E-03	8.32E-03	8.31E-03	2.82E-06	8.52E-06	4.93E-06	5.03E-06	4.56E-06	2.04E-06	2.08E-06	9.42E-08	2.28E-06	5.02E-07	6.83E-07	1.08E-06	1.87E-07	1.37E-07	4.97E-06
2587	492980.5	3860443.11	7.83E-03	7.99E-03	7.98E-03	2.71E-06	8.18E-06	4.74E-06	4.84E-06	4.38E-06	1.96E-06	2.00E-06	9.05E-08	2.19E-06	4.82E-07	6.56E-07	1.04E-06	1.80E-07	1.32E-07	4.77E-06
2588	493030.5	3860443.11	7.51E-03	7.66E-03	7.65E-03	2.60E-06	7.85E-06	4.54E-06	4.64E-06	4.20E-06	1.88E-06	1.92E-06	8.68E-08	2.10E-06	4.63E-07	6.30E-07	9.99E-07	1.72E-07	1.26E-07	4.57E-06
2589	493080.5	3860443.11	7.23E-03	7.37E-03	7.36E-03	2.50E-06	7.55E-06	4.37E-06	4.46E-06	4.04E-06	1.81E-06	1.84E-06	8.35E-08	2.02E-06	4.45E-07	6.06E-07	9.61E-07	1.66E-07	1.22E-07	4.40E-06
2590	493130.5	3860443.11	6.96E-03	7.10E-03	7.10E-03	2.41E-06	7.28E-06	4.21E-06	4.30E-06	3.90E-06	1.74E-06	1.78E-06	8.05E-08	1.94E-06	4.29E-07	5.84E-07	9.26E-07	1.60E-07	1.17E-07	4.24E-06
2591	493180.5	3860443.11	6.76E-03	6.90E-03	6.89E-03	2.34E-06	7.07E-06	4.09E-06	4.17E-06	3.78E-06	1.69E-06	1.72E-06	7.82E-08	1.89E-06	4.17E-07	5.67E-07	8.99E-07	1.55E-07	1.14E-07	4.12E-06
2592	493230.5	3860443.11	6.50E-03	6.63E-03	6.62E-03	2.25E-06	6.79E-06	3.93E-06	4.01E-06	3.64E-06	1.63E-06	1.66E-06	7.51E-08	1.81E-06	4.00E-07	5.45E-07	8.64E-07	1.49E-07	1.09E-07	3.96E-06
2593	493280.5	3860443.11	6.27E-03	6.40E-03	6.39E-03	2.17E-06	6.55E-06	3.79E-06	3.87E-06	3.51E-06	1.57E-06	1.60E-06	7.25E-08	1.75E-06	3.86E-07	5.25E-07	8.34E-07	1.44E-07	1.05E-07	3.82E-06
2594	493330.5	3860443.11	6.03E-03	6.15E-03	6.14E-03	2.09E-06	6.30E-06	3.65E-06	3.72E-06	3.37E-06	1.51E-06	1.54E-06	6.96E-08	1.68E-06	3.71E-07	5.05E-07	8.01E-07	1.38E-07	1.01E-07	3.67E-06
2595	493380.5	3860443.11	5.86E-03	5.98E-03	5.97E-03	2.03E-06	6.13E-06	3.55E-06	3.62E-06	3.28E-06	1.47E-06	1.49E-06	6.77E-08	1.64E-06	3.61E-07	4.91E-07	7.79E-07	1.35E-07	9.86E-08	3.57E-06
2596	493180.5	3860493.11	6.52E-03	6.65E-03	6.65E-03	2.26E-06	6.82E-06	3.95E-06	4.03E-06	3.65E-06	1.63E-06	1.66E-06	7.54E-08	1.82E-06	4.02E-07	5.47E-07	8.67E-07	1.50E-07	1.10E-07	3.97E-06
2597	493230.5	3860493.11	6.30E-03	6.43E-03	6.42E-03	2.18E-06	6.58E-06	3.81E-06	3.89E-06	3.52E-06	1.58E-06	1.61E-06	7.28E-08	1.76E-06	3.88E-07	5.28E-07	8.38E-07	1.45E-07	1.06E-07	3.84E-06
2598	493280.5	3860493.11	6.08E-03	6.21E-03	6.20E-03	2.11E-06	6.36E-06	3.68E-06	3.76E-06	3.40E-06	1.52E-06	1.55E-06	7.03E-08	1.70E-06	3.75E-07	5.10E-07	8.09E-07	1.40E-07	1.02E-07	3.70E-06
2599	493330.5	3860493.11	5.88E-03	6.00E-03	6.00E-03	2.04E-06	6.15E-06	3.56E-06	3.63E-06	3.29E-06	1.47E-06	1.50E-06	6.80E-08	1.64E-06	3.63E-07	4.93E-07	7.82E-07	1.35E-07	9.90E-08	3.58E-06
2600	493380.5	3860493.11	5.72E-03	5.84E-03	5.83E-03	1.98E-06	5.98E-06	3.46E-06	3.53E-06	3.20E-06	1.43E-06	1.46E-06	6.61E-08	1.60E-06	3.53E-07	4.80E-07	7.61E-07	1.31E-07	9.63E-08	3.48E-06
2601	493330.5	3860543.11	5.68E-03	5.80E-03	5.79E-03	1.97E-06	5.94E-06	3.44E-06	3.51E-06	3.18E-06	1.42E-06	1.45E-06	6.57E-08	1.59E-06	3.50E-07	4.76E-07	7.55E-07	1.30E-07	9.56E-08	3.46E-06
2602	493380.5	3860543.11	5.53E-03	5.64E-03	5.63E-03	1.91E-06	5.78E-06	3.34E-06	3.41E-06	3.09E-06	1.38E-06	1.41E-06	6.39E-08	1.54E-06	3.41E-07	4.63E-07	7.35E-07	1.27E-07	9.30E-08	3.37E-06
2603	494135.94	3860876.85	3.04E-03	3.10E-03	3.09E-03	1.05E-06	3.17E-06	1.84E-06	1.87E-06	1.70E-06	7.60E-07	7.74E-07	3.51E-08	8.48E-07	1.87E-07	2.54E-07	4.04E-07	6.97E-08	5.11E-08	1.85E-06
2604	494185.94	3860876.85	2.99E-03	3.05E-03	3.05E-03	1.04E-06	3.13E-06	1.81E-06	1.85E-06	1.67E-06	7.49E-07	7.63E-07	3.46E-08	8.35E-07	1.84E-07	2.51E-07	3.98E-07	6.87E-08	5.03E-08	1.82E-06
2605	494135.94	3860926.85	2.90E-03	2.96E-03	2.96E-03	1.00E-06	3.03E-06	1.76E-06	1.79E-06	1.62E-06	7.27E-07	7.41E-07	3.36E-08	8.11E-07	1.79E-07	2.43E-07	3.86E-07	6.67E-08	4.88E-08	1.77E-06
2606	494185.94	3860926.85	2.86E-03	2.92E-03	2.92E-03	9.92E-07	2.99E-06	1.73E-06	1.77E-06	1.60E-06	7.17E-07	7.31E-07	3.31E-08	8.00E-07	1.76E-07	2.40E-07	3.81E-07	6.58E-08	4.82E-08	1.74E-06
2607	494135.94	3860976.85	2.77E-03	2.83E-03	2.83E-03	9.60E-07	2.90E-06	1.68E-06	1.71E-06	1.55E-06	6.94E-07	7.07E-07	3.21E-08	7.74E-07	1.71E-07	2.32E-07	3.69E-07	6.37E-08	4.67E-08	1.69E-06
2608	494185.94	3860976.85	2.74E-03	2.80E-03	2.79E-03	9.48E-07	2.86E-06	1.66E-06	1.69E-06	1.53E-06	6.86E-07	6.99E-07	3.17E-08	7.65E-07	1.69E-07	2.30E-07	3.64E-07	6.29E-08	4.61E-08	1.67E-06
2609	494135.94	3861026.85	2.64E-03	2.70E-03	2.70E-03	9.15E-07	2.76E-06	1.60E-06	1.63E-06	1.48E-06	6.62E-07	6.75E-07	3.06E-08	7.38E-07	1.63E-07	2.22E-07	3.52E-07	6.07E-08	4.45E-08	1.61E-06
2610	494185.94	3861026.85	2.62E-03	2.67E-03	2.67E-03	9.05E-07	2.73E-06	1.58E-06	1.62E-06	1.46E-06	6.55E-07	6.67E-07	3.02E-08	7.30E-07	1.61E-07	2.19E-07	3.48E-07	6.01E-08	4.40E-08	1.59E-06
2611	494135.94	3861076.85	2.52E-03	2.57E-03	2.57E-03	8.73E-07	2.63E-06	1.53E-06	1.56E-06	1.41E-06	6.31E-07	6.43E-07	2.91E-08	7.04E-07	1.55E-07	2.11E-07	3.35E-07	5.79E-08	4.24E-08	1.54E-06
2612	494185.94	3861076.85	2.49E-03	2.55E-03	2.54E-03	8.64E-07	2.61E-06	1.51E-06	1.54E-06	1.40E-06	6.24E-07	6.36E-07	2.88E-08	6.97E-07	1.54E-07	2.09E-07	3.32E-07	5.73E-08	4.20E-08	1.52E-06
2613	490360.04	3858710.04	4.73E-03	4.83E-03	4.82E-03	1.64E-06	4.95E-06	2.86E-06	2.92E-06	2.65E-06	1.18E-06	1.21E-06	5.47E-08	1.32E-06	2.92E-07	3.97E-07	6.29E-07	1.09E-07	7.96E-08	2.88E-06
2614	490410.04	3858710.04	4.62E-03	4.71E-03	4.71E-03	1.60E-06	4.83E-06	2.79E-06	2.85E-06	2.58E-06	1.16E-06	1.18E-06	5.34E-08	1.29E-06	2.85E-07	3.87E-07	6.14E-07	1.06E-07	7.77E-08	2.81E-06
2615	490460.04	3858710.04	4.45E-03	4.55E-03	4.54E-03	1.54E-06	4.66E-06	2.70E-06	2.75E-06	2.49E-06	1.11E-06	1.14E-06	5.15E-08	1.24E-06	2.74E-07	3.73E-07	5.92E-07	1.02E-07	7.49E-08	2.71E-06

2616	490510.04	3858710.04	4.35E-03	4.43E-03	4.43E-03	1.50E-06	4.54E-06	2.63E-06	2.68E-06	2.43E-06	1.09E-06	1.11E-06	5.02E-08	1.21E-06	2.68E-07	3.64E-07	5.78E-07	9.98E-08	7.31E-08	2.65E-06
2617	490560.04	3858710.04	4.26E-03	4.34E-03	4.34E-03	1.47E-06	4.45E-06	2.58E-06	2.63E-06	2.38E-06	1.07E-06	1.09E-06	4.92E-08	1.19E-06	2.62E-07	3.57E-07	5.66E-07	9.78E-08	7.16E-08	2.59E-06
2618	490610.04	3858710.04	4.16E-03	4.25E-03	4.24E-03	1.44E-06	4.35E-06	2.52E-06	2.57E-06	2.33E-06	1.04E-06	1.06E-06	4.81E-08	1.16E-06	2.56E-07	3.49E-07	5.53E-07	9.56E-08	7.00E-08	2.53E-06
2619	490660.04	3858710.04	4.12E-03	4.20E-03	4.19E-03	1.42E-06	4.30E-06	2.49E-06	2.54E-06	2.30E-06	1.03E-06	1.05E-06	4.76E-08	1.15E-06	2.54E-07	3.45E-07	5.47E-07	9.45E-08	6.93E-08	2.51E-06
2620	490710.04	3858710.04	3.99E-03	4.08E-03	4.07E-03	1.38E-06	4.18E-06	2.42E-06	2.47E-06	2.24E-06	1.00E-06	1.02E-06	4.62E-08	1.12E-06	2.46E-07	3.35E-07	5.31E-07	9.18E-08	6.72E-08	2.43E-06
2621	490760.04	3858710.04	3.89E-03	3.97E-03	3.97E-03	1.35E-06	4.07E-06	2.36E-06	2.40E-06	2.18E-06	9.75E-07	9.94E-07	4.50E-08	1.09E-06	2.40E-07	3.27E-07	5.18E-07	8.95E-08	6.55E-08	2.37E-06
2622	490810.04	3858710.04	3.80E-03	3.87E-03	3.87E-03	1.31E-06	3.97E-06	2.30E-06	2.34E-06	2.12E-06	9.50E-07	9.68E-07	4.39E-08	1.06E-06	2.34E-07	3.18E-07	5.05E-07	8.72E-08	6.39E-08	2.31E-06
2623	490860.04	3858710.04	3.67E-03	3.75E-03	3.74E-03	1.27E-06	3.84E-06	2.22E-06	2.27E-06	2.05E-06	9.19E-07	9.37E-07	4.24E-08	1.03E-06	2.26E-07	3.08E-07	4.88E-07	8.43E-08	6.18E-08	2.24E-06
2624	490360.04	3858760.04	5.33E-03	5.44E-03	5.43E-03	1.84E-06	5.57E-06	3.22E-06	3.29E-06	2.98E-06	1.33E-06	1.36E-06	6.16E-08	1.49E-06	3.28E-07	4.47E-07	7.08E-07	1.22E-07	8.96E-08	3.24E-06
2625	490410.04	3858760.04	5.17E-03	5.27E-03	5.27E-03	1.79E-06	5.40E-06	3.13E-06	3.19E-06	2.89E-06	1.29E-06	1.32E-06	5.97E-08	1.44E-06	3.18E-07	4.33E-07	6.87E-07	1.19E-07	8.69E-08	3.15E-06
2626	490460.04	3858760.04	4.99E-03	5.09E-03	5.09E-03	1.73E-06	5.22E-06	3.02E-06	3.08E-06	2.79E-06	1.25E-06	1.27E-06	5.77E-08	1.39E-06	3.08E-07	4.18E-07	6.64E-07	1.15E-07	8.40E-08	3.04E-06
2627	490510.04	3858760.04	4.82E-03	4.91E-03	4.91E-03	1.67E-06	5.03E-06	2.91E-06	2.97E-06	2.69E-06	1.21E-06	1.23E-06	5.57E-08	1.34E-06	2.97E-07	4.04E-07	6.40E-07	1.11E-07	8.10E-08	2.93E-06
2628	490560.04	3858760.04	4.68E-03	4.78E-03	4.77E-03	1.62E-06	4.89E-06	2.83E-06	2.89E-06	2.62E-06	1.17E-06	1.19E-06	5.41E-08	1.31E-06	2.88E-07	3.92E-07	6.22E-07	1.08E-07	7.88E-08	2.85E-06
2629	490610.04	3858760.04	4.54E-03	4.63E-03	4.63E-03	1.57E-06	4.74E-06	2.75E-06	2.80E-06	2.54E-06	1.14E-06	1.16E-06	5.25E-08	1.27E-06	2.80E-07	3.81E-07	6.04E-07	1.04E-07	7.64E-08	2.76E-06
2630	490660.04	3858760.04	4.42E-03	4.51E-03	4.50E-03	1.53E-06	4.62E-06	2.67E-06	2.73E-06	2.47E-06	1.11E-06	1.13E-06	5.11E-08	1.23E-06	2.72E-07	3.70E-07	5.88E-07	1.01E-07	7.43E-08	2.69E-06
2631	490710.04	3858760.04	4.30E-03	4.39E-03	4.38E-03	1.49E-06	4.49E-06	2.60E-06	2.65E-06	2.41E-06	1.08E-06	1.10E-06	4.97E-08	1.20E-06	2.65E-07	3.60E-07	5.72E-07	9.87E-08	7.23E-08	2.62E-06
2632	490760.04	3858760.04	4.16E-03	4.24E-03	4.24E-03	1.44E-06	4.35E-06	2.52E-06	2.57E-06	2.33E-06	1.04E-06	1.06E-06	4.81E-08	1.16E-06	2.56E-07	3.49E-07	5.53E-07	9.55E-08	7.00E-08	2.53E-06
2633	490810.04	3858760.04	4.03E-03	4.11E-03	4.11E-03	1.40E-06	4.21E-06	2.44E-06	2.49E-06	2.26E-06	1.01E-06	1.03E-06	4.66E-08	1.13E-06	2.48E-07	3.38E-07	5.36E-07	9.26E-08	6.78E-08	2.46E-06
2634	490860.04	3858760.04	3.93E-03	4.01E-03	4.00E-03	1.36E-06	4.10E-06	2.38E-06	2.42E-06	2.20E-06	9.83E-07	1.00E-06	4.54E-08	1.10E-06	2.42E-07	3.29E-07	5.22E-07	9.02E-08	6.61E-08	2.39E-06
2635	490360.04	3858810.04	5.95E-03	6.07E-03	6.06E-03	2.06E-06	6.21E-06	3.60E-06	3.67E-06	3.33E-06	1.49E-06	1.52E-06	6.87E-08	1.66E-06	3.66E-07	4.98E-07	7.91E-07	1.37E-07	1.00E-07	3.62E-06
2636	490410.04	3858810.04	5.73E-03	5.85E-03	5.84E-03	1.98E-06	5.99E-06	3.47E-06	3.54E-06	3.21E-06	1.43E-06	1.46E-06	6.63E-08	1.60E-06	3.53E-07	4.81E-07	7.62E-07	1.32E-07	9.64E-08	3.49E-06
2637	490460.04	3858810.04	5.52E-03	5.63E-03	5.62E-03	1.91E-06	5.77E-06	3.34E-06	3.41E-06	3.09E-06	1.38E-06	1.41E-06	6.38E-08	1.54E-06	3.40E-07	4.63E-07	7.34E-07	1.27E-07	9.28E-08	3.36E-06
2638	490510.04	3858810.04	5.36E-03	5.47E-03	5.46E-03	1.85E-06	5.60E-06	3.24E-06	3.31E-06	3.00E-06	1.34E-06	1.37E-06	6.19E-08	1.50E-06	3.30E-07	4.49E-07	7.12E-07	1.23E-07	9.01E-08	3.26E-06
2639	490560.04	3858810.04	5.19E-03	5.29E-03	5.29E-03	1.80E-06	5.42E-06	3.14E-06	3.20E-06	2.90E-06	1.30E-06	1.32E-06	6.00E-08	1.45E-06	3.20E-07	4.35E-07	6.90E-07	1.19E-07	8.73E-08	3.16E-06
2640	490610.04	3858810.04	4.98E-03	5.08E-03	5.07E-03	1.72E-06	5.20E-06	3.01E-06	3.07E-06	2.79E-06	1.25E-06	1.27E-06	5.75E-08	1.39E-06	3.07E-07	4.17E-07	6.62E-07	1.14E-07	8.37E-08	3.03E-06
2641	490660.04	3858810.04	4.81E-03	4.91E-03	4.90E-03	1.67E-06	5.03E-06	2.91E-06	2.97E-06	2.69E-06	1.20E-06	1.23E-06	5.56E-08	1.34E-06	2.96E-07	4.03E-07	6.40E-07	1.11E-07	8.10E-08	2.93E-06
2642	490710.04	3858810.04	4.64E-03	4.73E-03	4.73E-03	1.61E-06	4.85E-06	2.81E-06	2.86E-06	2.60E-06	1.16E-06	1.18E-06	5.36E-08	1.30E-06	2.86E-07	3.89E-07	6.17E-07	1.07E-07	7.80E-08	2.82E-06
2643	490760.04	3858810.04	4.43E-03	4.52E-03	4.52E-03	1.53E-06	4.63E-06	2.68E-06	2.74E-06	2.48E-06	1.11E-06	1.13E-06	5.12E-08	1.24E-06	2.73E-07	3.71E-07	5.89E-07	1.02E-07	7.45E-08	2.70E-06
2644	490810.04	3858810.04	4.34E-03	4.43E-03	4.43E-03	1.50E-06	4.54E-06	2.63E-06	2.68E-06	2.43E-06	1.09E-06	1.11E-06	5.02E-08	1.21E-06	2.68E-07	3.64E-07	5.77E-07	9.97E-08	7.31E-08	2.64E-06
2645	490860.04	3858810.04	4.19E-03	4.27E-03	4.27E-03	1.45E-06	4.38E-06	2.53E-06	2.58E-06	2.34E-06	1.05E-06	1.07E-06	4.84E-08	1.17E-06	2.58E-07	3.51E-07	5.57E-07	9.61E-08	7.04E-08	2.55E-06
2646	490360.04	3858860.04	6.56E-03	6.70E-03	6.69E-03	2.27E-06	6.86E-06	3.97E-06	4.05E-06	3.67E-06	1.64E-06	1.67E-06	7.59E-08	1.83E-06	4.04E-07	5.50E-07	8.73E-07	1.51E-07	1.10E-07	4.00E-06
2647	490410.04	3858860.04	6.39E-03	6.52E-03	6.51E-03	2.21E-06	6.67E-06	3.86E-06	3.94E-06	3.57E-06	1.60E-06	1.63E-06	7.38E-08	1.78E-06	3.93E-07	5.35E-07	8.49E-07	1.47E-07	1.07E-07	3.89E-06
2648	490460.04	3858860.04	6.10E-03	6.22E-03	6.22E-03	2.11E-06	6.37E-06	3.69E-06	3.77E-06	3.41E-06	1.53E-06	1.56E-06	7.05E-08	1.70E-06	3.76E-07	5.11E-07	8.11E-07	1.40E-07	1.03E-07	3.71E-06
2649	490510.04	3858860.04	5.95E-03	6.07E-03	6.06E-03	2.06E-06	6.22E-06	3.60E-06	3.67E-06	3.33E-06	1.49E-06	1.52E-06	6.87E-08	1.66E-06	3.66E-07	4.98E-07	7.91E-07	1.37E-07	1.00E-07	3.62E-06
2650	490560.04	3858860.04	5.70E-03	5.82E-03	5.81E-03	1.97E-06	5.96E-06	3.45E-06	3.52E-06	3.19E-06	1.43E-06	1.46E-06	6.59E-08	1.59E-06	3.52E-07	4.78E-07	7.59E-07	1.31E-07	9.60E-08	3.47E-06
2651	490610.04	3858860.04	5.41E-03	5.52E-03	5.51E-03	1.87E-06	5.65E-06	3.27E-06	3.34E-06	3.03E-06	1.35E-06	1.38E-06	6.25E-08	1.51E-06	3.33E-07	4.53E-07	7.19E-07	1.24E-07	9.09E-08	3.29E-06
2652	490660.04	3858860.04	5.21E-03	5.32E-03	5.31E-03	1.80E-06	5.45E-06	3.15E-06	3.22E-06	2.92E-06	1.30E-06	1.33E-06	6.03E-08	1.46E-06	3.21E-07	4.37E-07	6.93E-07	1.20E-07	8.77E-08	3.18E-06
2653	490710.04	3858860.04	5.07E-03	5.17E-03	5.17E-03	1.75E-06	5.30E-06	3.07E-06	3.13E-06	2.84E-06	1.27E-06	1.29E-06	5.86E-08	1.42E-06	3.12E-07	4.25E-07	6.74E-07	1.16E-07	8.53E-08	3.09E-06
2654	490760.04	3858860.04	4.83E-03	4.93E-03	4.93E-03	1.67E-06	5.05E-06	2.92E-06	2.98E-06	2.70E-06	1.21E-06	1.23E-06	5.59E-08	1.35E-06	2.98E-07	4.05E-07	6.43E-07	1.11E-07	8.13E-08	2.94E-06
2655	490810.04	3858860.04	4.63E-03	4.72E-03	4.71E-03	1.60E-06	4.83E-06	2.80E-06	2.86E-06	2.59E-06	1.16E-06	1.18E-06	5.35E-08	1.29E-06	2.85E-07	3.88E-07	6.15E-07	1.06E-07	7.78E-08	2.82E-06
2656	490860.04	3858860.04	4.42E-03	4.52E-03	4.51E-03	1.53E-06	4.62E-06	2.68E-06	2.73E-06	2.48E-06	1.11E-06	1.13E-06	5.11E-08	1.24E-06	2.73E-07	3.71E-07	5.88E-07	1.02E-07	7.44E-08	2.69E-06
2657	490360.04	3858910.04	7.42E-03	7.57E-03	7.56E-03	2.57E-06	7.76E-06	4.49E-06	4.58E-06	4.15E-06	1.86E-06	1.89E-06	8.58E-08	2.07E-06	4.57E-07	6.22E-07	9.87E-07	1.70E-07	1.25E-07	4.52E-06
2658	490410.04	3858910.04	7.12E-03	7.27E-03	7.26E-03	2.47E-06	7.45E-06	4.31E-06	4.40E-06	3.99E-06	1.78E-06	1.82E-06	8.23E-08	1.99E-06	4.39E-07	5.97E-07	9.47E-07	1.64E-07	1.20E-07	4.34E-06
2659	490460.04	3858910.04	6.82E-03	6.96E-03	6.95E-03	2.36E-06	7.13E-06	4.13E-06	4.21E-06	3.82E-06	1.71E-06	1.74E-06	7.88E-08	1.90E-06	4.20E-07	5.72E-07	9.07E-07	1.57E-07	1.15E-07	4.15E-06
2660	490510.04	3858910.04	6.51E-03	6.64E-03	6.63E-03	2.25E-06	6.80E-06	3.94E-06	4.02E-06	3.64E-06	1.63E-06	1.66E-06	7.52E-08	1.82E-06	4.01E-07	5.46E-07	8.65E-07	1.49E-07	1.10E-07	3.96E-06
2661	490560.04	3858910.04	6.19E-03	6.32E-03	6.31E-03	2.14E-06	6.47E-06	3.75E-06	3.82E-06	3.47E-06	1.55E-06	1.58E-06	7.16E-08	1.73E-06	3.82E-07	5.19E-07	8.24E-07	1.42E-07	1.04E-07	3.77E-06
2662	490610.04	3858910.04	5.89E-03	6.01E-03	6.00E-03	2.04E-06	6.16E-06	3.56E-06	3.64E-06	3.30E-06	1.47E-06	1.50E-06	6.81E-08	1.64E-06	3.63E-07	4.94E-07	7.83E-07	1.35E-07	9.91E-08	3.59E-06
2663	490660.04	3858910.04	5.65E-03	5.77E-03	5.76E-03	1.96E-06	5.91E-06	3.42E-06	3.49E-06	3.16E-06	1.42E-06	1.44E-06	6.54E-08	1.58E-06	3.48E-07	4.74E-07	7.52E-07	1.30E-07	9.51E-08	3.44E-06
2664	490710.04	3858910.04	5.40E-03	5.51E-03	5.50E-03	1.87E-06	5.64E-06	3.27E-06	3.33E-06	3.02E-06	1.35E-06	1.38E-06	6.24E-08	1.51E-06	3.33E-07	4.53E-07	7.18E-07	1.24E-07	9.08E-08	3.29E-06
2665	490760.04	3858910.04	5.12E-03	5.22E-03	5.21E-03	1.77E-06	5.35E-06	3.10E-06	3.16E-06	2.86E-06	1.28E-06	1.31E-06	5.91E-08	1.43E-06	3.15E-07	4.29E-07	6.80E-07	1.18E-07	8.61E-08	3.12E-06
2666	490810.04	3858910.04	4.92E-03	5.02E-03	5.02E-03	1.70E-06	5.15E-06	2.98E-06	3.04E-06	2.76E-06	1.23E-06	1.26E-06	5.69E-08	1.37E-06	3.03E-07	4.13E-07	6.55E-07	1.13E-07	8.29E-08	3.00E-06
2667	490860.04	3858910.04	4.67E-03	4.77E-03	4.76E-03	1.62E-06	4.88E-06	2.83E-06	2.89E-06	2.62E-06	1.17E-06	1.19E-06	5.40E-08	1.30E-06	2.88E-07	3.92E-07	6.22E-07	1.07E-07	7.86E-08	2.85E-06
2668	490360.04	3858960.04	8.23E-03	8.40E-03	8.39E-03	2.85E-06	8.60E-06	4.98E-06	5.08E-06	4.61E-06	2.06E-06	2.10E-06	9.51E-08	2.30E-06	5.07E-07	6.90E-07	1.09E-06	1.89E-07	1.38E-07	5.01E-06
2669	490410.04	3858960.04	7.82E-03	7.98E-03	7.97E-03	2.71E-06	8.18E-06	4.73E-06	4.83E-06	4.38E-06	1.96E-06	2.00E-06	9.04E-08	2.18E-06	4.82E-07	6.56E-07	1.04E-06	1.80E-07	1.32E-07	4.76E-06
2670	490460.04	3858960.04	7.41E-03	7.56E-03	7.55E-03	2.57E-06	7.75E-06	4.48E-06	4.58E-06	4.15E-06	1.85E-06	1.89E-06	8.57E-08	2.07E-06	4.57E-07	6.21E-07	9.85E-07	1.70E-07	1.25E-07	4.51E-06
2671	490510.04	3858960.04	7.05E-03	7.20E-03	7.19E-03	2.44E-06	7.37E-06	4.27E-06	4.36E-06	3.95E-06	1.77E-06	1.80E-06	8.15E-08	1.97E-06	4.35E-07	5.91E-07	9.38E-07	1.62E-07	1.19E-07	4.30E-06
2672	490560.04	3858960.04	6.72E-03	6.86E-03	6.85E-03	2.33E-06	7.02E-06	4.07E-06	4.15E-06	3.76E-06	1.68E-06	1.71E-06	7.77E-08	1.88E-06	4.14E-07	5.63E-07	8.94E-07	1.54E-07	1.13E-07	4.09E-06

2673	490610.04	3858960.04	6.32E-03	6.45E-03	6.45E-03	2.19E-06	6.61E-06	3.83E-06	3.90E-06	3.54E-06	1.58E-06	1.61E-06	7.31E-08	1.77E-06	3.90E-07	5.30E-07	8.41E-07	1.45E-07	1.06E-07	3.85E-06
2674	490660.04	3858960.04	6.12E-03	6.25E-03	6.24E-03	2.12E-06	6.40E-06	3.71E-06	3.78E-06	3.43E-06	1.53E-06	1.56E-06	7.08E-08	1.71E-06	3.77E-07	5.13E-07	8.15E-07	1.41E-07	1.03E-07	3.73E-06
2675	490710.04	3858960.04	5.78E-03	5.89E-03	5.89E-03	2.00E-06	6.04E-06	3.49E-06	3.57E-06	3.23E-06	1.45E-06	1.47E-06	6.68E-08	1.61E-06	3.56E-07	4.84E-07	7.68E-07	1.33E-07	9.72E-08	3.52E-06
2676	490760.04	3858960.04	5.49E-03	5.60E-03	5.59E-03	1.90E-06	5.74E-06	3.32E-06	3.39E-06	3.07E-06	1.37E-06	1.40E-06	6.34E-08	1.53E-06	3.38E-07	4.60E-07	7.30E-07	1.26E-07	9.23E-08	3.34E-06
2677	490810.04	3858960.04	5.22E-03	5.32E-03	5.32E-03	1.81E-06	5.45E-06	3.16E-06	3.22E-06	2.92E-06	1.31E-06	1.33E-06	6.03E-08	1.46E-06	3.21E-07	4.37E-07	6.94E-07	1.20E-07	8.78E-08	3.18E-06
2678	490860.04	3858960.04	4.93E-03	5.03E-03	5.02E-03	1.71E-06	5.15E-06	2.98E-06	3.04E-06	2.76E-06	1.23E-06	1.26E-06	5.69E-08	1.38E-06	3.04E-07	4.13E-07	6.55E-07	1.13E-07	8.29E-08	3.00E-06
2679	490360.04	3859010.04	9.10E-03	9.29E-03	9.28E-03	3.15E-06	9.51E-06	5.51E-06	5.62E-06	5.09E-06	2.28E-06	2.32E-06	1.05E-07	2.54E-06	5.61E-07	7.63E-07	1.21E-06	2.09E-07	1.53E-07	5.54E-06
2680	490410.04	3859010.04	8.58E-03	8.75E-03	8.74E-03	2.97E-06	8.97E-06	5.19E-06	5.30E-06	4.80E-06	2.15E-06	2.19E-06	9.92E-08	2.40E-06	5.29E-07	7.19E-07	1.14E-06	1.97E-07	1.44E-07	5.22E-06
2681	490460.04	3859010.04	8.01E-03	8.17E-03	8.16E-03	2.77E-06	8.37E-06	4.85E-06	4.95E-06	4.48E-06	2.00E-06	2.04E-06	9.26E-08	2.24E-06	4.93E-07	6.71E-07	1.07E-06	1.84E-07	1.35E-07	4.88E-06
2682	490510.04	3859010.04	7.50E-03	7.65E-03	7.64E-03	2.60E-06	7.84E-06	4.54E-06	4.63E-06	4.20E-06	1.88E-06	1.91E-06	8.67E-08	2.09E-06	4.62E-07	6.28E-07	9.97E-07	1.72E-07	1.26E-07	4.57E-06
2683	490560.04	3859010.04	7.20E-03	7.35E-03	7.34E-03	2.49E-06	7.53E-06	4.36E-06	4.45E-06	4.03E-06	1.80E-06	1.84E-06	8.32E-08	2.01E-06	4.44E-07	6.04E-07	9.57E-07	1.65E-07	1.21E-07	4.38E-06
2684	490610.04	3859010.04	6.76E-03	6.90E-03	6.89E-03	2.34E-06	7.07E-06	4.09E-06	4.17E-06	3.78E-06	1.69E-06	1.72E-06	7.82E-08	1.89E-06	4.17E-07	5.67E-07	8.99E-07	1.55E-07	1.14E-07	4.12E-06
2685	490660.04	3859010.04	6.54E-03	6.68E-03	6.67E-03	2.27E-06	6.84E-06	3.96E-06	4.04E-06	3.66E-06	1.64E-06	1.67E-06	7.56E-08	1.83E-06	4.03E-07	5.49E-07	8.70E-07	1.50E-07	1.10E-07	3.99E-06
2686	490710.04	3859010.04	6.14E-03	6.27E-03	6.26E-03	2.13E-06	6.42E-06	3.72E-06	3.79E-06	3.44E-06	1.54E-06	1.57E-06	7.10E-08	1.71E-06	3.78E-07	5.15E-07	8.17E-07	1.41E-07	1.03E-07	3.74E-06
2687	490760.04	3859010.04	5.80E-03	5.92E-03	5.91E-03	2.01E-06	6.06E-06	3.51E-06	3.58E-06	3.25E-06	1.45E-06	1.48E-06	6.71E-08	1.62E-06	3.57E-07	4.86E-07	7.72E-07	1.33E-07	9.76E-08	3.53E-06
2688	490810.04	3859010.04	5.49E-03	5.60E-03	5.59E-03	1.90E-06	5.73E-06	3.32E-06	3.39E-06	3.07E-06	1.37E-06	1.40E-06	6.34E-08	1.53E-06	3.38E-07	4.60E-07	7.30E-07	1.26E-07	9.23E-08	3.34E-06
2689	490860.04	3859010.04	5.22E-03	5.32E-03	5.32E-03	1.81E-06	5.45E-06	3.16E-06	3.22E-06	2.92E-06	1.31E-06	1.33E-06	6.03E-08	1.46E-06	3.21E-07	4.37E-07	6.94E-07	1.20E-07	8.78E-08	3.18E-06
2690	490360.04	3859060.04	1.00E-02	1.02E-02	1.02E-02	3.46E-06	1.04E-05	6.05E-06	6.17E-06	5.60E-06	2.50E-06	2.55E-06	1.16E-07	2.79E-06	6.16E-07	8.38E-07	1.33E-06	2.30E-07	1.68E-07	6.09E-06
2691	490410.04	3859060.04	9.23E-03	9.41E-03	9.40E-03	3.19E-06	9.64E-06	5.58E-06	5.70E-06	5.16E-06	2.31E-06	2.35E-06	1.07E-07	2.58E-06	5.68E-07	7.73E-07	1.23E-06	2.12E-07	1.55E-07	5.62E-06
2692	490460.04	3859060.04	8.63E-03	8.80E-03	8.79E-03	2.99E-06	9.01E-06	5.22E-06	5.33E-06	4.83E-06	2.16E-06	2.20E-06	9.97E-08	2.41E-06	5.31E-07	7.23E-07	1.15E-06	1.98E-07	1.45E-07	5.25E-06
2693	490510.04	3859060.04	8.12E-03	8.29E-03	8.28E-03	2.81E-06	8.49E-06	4.92E-06	5.02E-06	4.55E-06	2.03E-06	2.07E-06	9.39E-08	2.27E-06	5.01E-07	6.81E-07	1.08E-06	1.87E-07	1.37E-07	4.95E-06
2694	490560.04	3859060.04	7.59E-03	7.74E-03	7.73E-03	2.63E-06	7.93E-06	4.59E-06	4.68E-06	4.25E-06	1.90E-06	1.93E-06	8.77E-08	2.12E-06	4.67E-07	6.36E-07	1.01E-06	1.74E-07	1.28E-07	4.62E-06
2695	490610.04	3859060.04	7.23E-03	7.38E-03	7.37E-03	2.50E-06	7.56E-06	4.37E-06	4.46E-06	4.05E-06	1.81E-06	1.84E-06	8.36E-08	2.02E-06	4.45E-07	6.06E-07	9.61E-07	1.66E-07	1.22E-07	4.40E-06
2696	490660.04	3859060.04	6.91E-03	7.05E-03	7.04E-03	2.39E-06	7.22E-06	4.18E-06	4.27E-06	3.87E-06	1.73E-06	1.76E-06	7.99E-08	1.93E-06	4.26E-07	5.79E-07	9.19E-07	1.59E-07	1.16E-07	4.21E-06
2697	490710.04	3859060.04	6.46E-03	6.60E-03	6.59E-03	2.24E-06	6.76E-06	3.91E-06	3.99E-06	3.62E-06	1.62E-06	1.65E-06	7.47E-08	1.81E-06	3.98E-07	5.42E-07	8.60E-07	1.48E-07	1.09E-07	3.94E-06
2698	490760.04	3859060.04	6.09E-03	6.22E-03	6.21E-03	2.11E-06	6.37E-06	3.69E-06	3.76E-06	3.41E-06	1.52E-06	1.55E-06	7.04E-08	1.70E-06	3.75E-07	5.11E-07	8.10E-07	1.40E-07	1.03E-07	3.71E-06
2699	490810.04	3859060.04	5.74E-03	5.86E-03	5.85E-03	1.99E-06	6.00E-06	3.47E-06	3.55E-06	3.21E-06	1.44E-06	1.46E-06	6.64E-08	1.60E-06	3.54E-07	4.81E-07	7.64E-07	1.32E-07	9.66E-08	3.50E-06
2700	490860.04	3859060.04	5.45E-03	5.56E-03	5.55E-03	1.89E-06	5.70E-06	3.30E-06	3.36E-06	3.05E-06	1.36E-06	1.39E-06	6.30E-08	1.52E-06	3.36E-07	4.57E-07	7.25E-07	1.25E-07	9.17E-08	3.32E-06
2701	490360.04	3859110.04	1.11E-02	1.13E-02	1.13E-02	3.84E-06	1.16E-05	6.71E-06	6.85E-06	6.21E-06	2.78E-06	2.83E-06	1.28E-07	3.10E-06	6.83E-07	9.30E-07	1.47E-06	2.55E-07	1.87E-07	6.75E-06
2702	490410.04	3859110.04	1.02E-02	1.04E-02	1.04E-02	3.52E-06	1.06E-05	6.16E-06	6.29E-06	5.70E-06	2.55E-06	2.60E-06	1.18E-07	2.84E-06	6.27E-07	8.53E-07	1.35E-06	2.34E-07	1.71E-07	6.20E-06
2703	490460.04	3859110.04	9.55E-03	9.74E-03	9.73E-03	3.31E-06	9.98E-06	5.78E-06	5.90E-06	5.34E-06	2.39E-06	2.44E-06	1.10E-07	2.67E-06	5.88E-07	8.01E-07	1.27E-06	2.19E-07	1.61E-07	5.82E-06
2704	490510.04	3859110.04	8.66E-03	8.84E-03	8.83E-03	3.00E-06	9.06E-06	5.24E-06	5.35E-06	4.85E-06	2.17E-06	2.21E-06	1.00E-07	2.42E-06	5.34E-07	7.26E-07	1.15E-06	1.99E-07	1.46E-07	5.28E-06
2705	490560.04	3859110.04	8.12E-03	8.29E-03	8.28E-03	2.81E-06	8.49E-06	4.91E-06	5.01E-06	4.54E-06	2.03E-06	2.07E-06	9.39E-08	2.27E-06	5.00E-07	6.81E-07	1.08E-06	1.86E-07	1.37E-07	4.94E-06
2706	490610.04	3859110.04	7.58E-03	7.74E-03	7.73E-03	2.63E-06	7.93E-06	4.59E-06	4.68E-06	4.25E-06	1.90E-06	1.93E-06	8.77E-08	2.12E-06	4.67E-07	6.36E-07	1.01E-06	1.74E-07	1.28E-07	4.62E-06
2707	490660.04	3859110.04	7.06E-03	7.20E-03	7.19E-03	2.44E-06	7.37E-06	4.27E-06	4.36E-06	3.95E-06	1.77E-06	1.80E-06	8.16E-08	1.97E-06	4.35E-07	5.91E-07	9.38E-07	1.62E-07	1.19E-07	4.30E-06
2708	490710.04	3859110.04	6.73E-03	6.87E-03	6.86E-03	2.33E-06	7.03E-06	4.07E-06	4.15E-06	3.77E-06	1.68E-06	1.72E-06	7.78E-08	1.88E-06	4.15E-07	5.64E-07	8.95E-07	1.55E-07	1.13E-07	4.10E-06
2709	490760.04	3859110.04	6.36E-03	6.49E-03	6.48E-03	2.20E-06	6.65E-06	3.85E-06	3.93E-06	3.56E-06	1.59E-06	1.62E-06	7.35E-08	1.78E-06	3.92E-07	5.33E-07	8.45E-07	1.46E-07	1.07E-07	3.87E-06
2710	490810.04	3859110.04	5.97E-03	6.09E-03	6.08E-03	2.06E-06	6.23E-06	3.61E-06	3.68E-06	3.34E-06	1.49E-06	1.52E-06	6.90E-08	1.67E-06	3.68E-07	5.00E-07	7.93E-07	1.37E-07	1.00E-07	3.63E-06
2711	490860.04	3859110.04	5.62E-03	5.73E-03	5.73E-03	1.94E-06	5.87E-06	3.40E-06	3.47E-06	3.14E-06	1.41E-06	1.43E-06	6.49E-08	1.57E-06	3.46E-07	4.71E-07	7.47E-07	1.29E-07	9.45E-08	3.42E-06
2712	490360.04	3859160.04	1.24E-02	1.26E-02	1.26E-02	4.29E-06	1.30E-05	7.50E-06	7.65E-06	6.94E-06	3.10E-06	3.16E-06	1.43E-07	3.46E-06	7.63E-07	1.04E-06	1.65E-06	2.85E-07	2.08E-07	7.55E-06
2713	490410.04	3859160.04	1.14E-02	1.16E-02	1.16E-02	3.93E-06	1.19E-05	6.87E-06	7.01E-06	6.35E-06	2.84E-06	2.90E-06	1.31E-07	3.17E-06	7.00E-07	9.52E-07	1.51E-06	2.61E-07	1.91E-07	6.91E-06
2714	490460.04	3859160.04	1.05E-02	1.07E-02	1.07E-02	3.63E-06	1.09E-05	6.34E-06	6.47E-06	5.86E-06	2.62E-06	2.67E-06	1.21E-07	2.92E-06	6.45E-07	8.78E-07	1.39E-06	2.41E-07	1.76E-07	6.38E-06
2715	490510.04	3859160.04	9.66E-03	9.86E-03	9.85E-03	3.34E-06	1.01E-05	5.85E-06	5.97E-06	5.41E-06	2.42E-06	2.46E-06	1.12E-07	2.70E-06	5.95E-07	8.10E-07	1.28E-06	2.22E-07	1.63E-07	5.88E-06
2716	490560.04	3859160.04	8.82E-03	9.00E-03	8.99E-03	3.05E-06	9.22E-06	5.34E-06	5.44E-06	4.94E-06	2.21E-06	2.25E-06	1.02E-07	2.46E-06	5.43E-07	7.39E-07	1.17E-06	2.03E-07	1.48E-07	5.37E-06
2717	490610.04	3859160.04	8.27E-03	8.44E-03	8.43E-03	2.86E-06	8.64E-06	5.00E-06	5.11E-06	4.63E-06	2.07E-06	2.11E-06	9.56E-08	2.31E-06	5.10E-07	6.93E-07	1.10E-06	1.90E-07	1.39E-07	5.04E-06
2718	490660.04	3859160.04	7.41E-03	7.56E-03	7.55E-03	2.57E-06	7.75E-06	4.48E-06	4.58E-06	4.15E-06	1.85E-06	1.89E-06	8.57E-08	2.07E-06	4.57E-07	6.21E-07	9.86E-07	1.70E-07	1.25E-07	4.51E-06
2719	490710.04	3859160.04	7.03E-03	7.17E-03	7.17E-03	2.43E-06	7.35E-06	4.25E-06	4.34E-06	3.94E-06	1.76E-06	1.79E-06	8.13E-08	1.96E-06	4.33E-07	5.89E-07	9.35E-07	1.61E-07	1.18E-07	4.28E-06
2720	490760.04	3859160.04	6.50E-03	6.63E-03	6.62E-03	2.25E-06	6.79E-06	3.93E-06	4.01E-06	3.64E-06	1.63E-06	1.66E-06	7.51E-08	1.81E-06	4.00E-07	5.45E-07	8.64E-07	1.49E-07	1.09E-07	3.96E-06
2721	490810.04	3859160.04	6.19E-03	6.31E-03	6.30E-03	2.14E-06	6.47E-06	3.74E-06	3.82E-06	3.46E-06	1.55E-06	1.58E-06	7.15E-08	1.73E-06	3.81E-07	5.19E-07	8.23E-07	1.42E-07	1.04E-07	3.77E-06
2722	490860.04	3859160.04	5.88E-03	6.00E-03	5.99E-03	2.03E-06	6.14E-06	3.56E-06	3.63E-06	3.29E-06	1.47E-06	1.50E-06	6.79E-08	1.64E-06	3.62E-07	4.93E-07	7.82E-07	1.35E-07	9.89E-08	3.58E-06
2723	490360.04	3859210.04	1.39E-02	1.41E-02	1.41E-02	4.80E-06	1.45E-05	8.38E-06	8.56E-06	7.76E-06	3.47E-06	3.53E-06	1.60E-07	3.87E-06	8.54E-07	1.16E-06	1.84E-06	3.18E-07	2.33E-07	8.44E-06
2724	490410.04	3859210.04	1.30E-02	1.32E-02	1.32E-02	4.49E-06	1.36E-05	7.85E-06	8.01E-06	7.26E-06	3.25E-06	3.31E-06	1.50E-07	3.62E-06	8.00E-07	1.09E-06	1.73E-06	2.98E-07	2.18E-07	7.90E-06
2725	490460.04	3859210.04	1.15E-02	1.18E-02	1.18E-02	3.99E-06	1.21E-05	6.98E-06	7.12E-06	6.45E-06	2.89E-06	2.94E-06	1.33E-07	3.22E-06	7.11E-07	9.67E-07	1.53E-06	2.65E-07	1.94E-07	7.02E-06
2726	490510.04	3859210.04	1.05E-02	1.08E-02	1.07E-02	3.65E-06	1.10E-05	6.38E-06	6.51E-06	5.90E-06	2.64E-06	2.69E-06	1.22E-07	2.94E-06	6.50E-07	8.84E-07	1.40E-06	2.42E-07	1.77E-07	6.42E-06
2727	490560.04	3859210.04	9.86E-03	1.01E-02	1.00E-02	3.41E-06	1.03E-05	5.96E-06	6.09E-06	5.52E-06	2.47E-06	2.51E-06	1.14E-07	2.75E-06	6.07E-07	8.26E-07	1.31E-06	2.26E-07	1.66E-07	6.00E-06
2728	490610.04	3859210.04	9.07E-03	9.26E-03	9.25E-03	3.14E-06	9.48E-06	5.49E-06	5.60E-06	5.08E-06	2.27E-06	2.31E-06	1.05E-07	2.53E-06	5.59E-07	7.60E-07	1.21E-06	2.08E-07	1.53E-07	5.52E-06
2729	490660.04	3859210.04	8.14E-03	8.30E-03	8.29E-03	2.82E-06	8.50E-06	4.92E-06	5.02E-06	4.55E-06	2.04E-06	2.08E-06	9.41E-08	2.27E-06	5.01E-07	6.82E-07	1.08E-06	1.87E-07	1.37E-07	4.95E-06

2730	490710.04	3859210.04	7.57E-03	7.72E-03	7.72E-03	2.62E-06	7.91E-06	4.58E-06	4.67E-06	4.24E-06	1.89E-06	1.93E-06	8.75E-08	2.11E-06	4.66E-07	6.35E-07	1.01E-06	1.74E-07	1.27E-07	4.61E-06
2731	490760.04	3859210.04	7.01E-03	7.16E-03	7.15E-03	2.43E-06	7.33E-06	4.24E-06	4.33E-06	3.92E-06	1.76E-06	1.79E-06	8.11E-08	1.96E-06	4.32E-07	5.88E-07	9.33E-07	1.61E-07	1.18E-07	4.27E-06
2732	490810.04	3859210.04	6.81E-03	6.95E-03	6.94E-03	2.36E-06	7.12E-06	4.12E-06	4.20E-06	3.81E-06	1.70E-06	1.74E-06	7.87E-08	1.90E-06	4.20E-07	5.71E-07	9.06E-07	1.56E-07	1.15E-07	4.15E-06
2733	490860.04	3859210.04	6.60E-03	6.74E-03	6.73E-03	2.28E-06	6.90E-06	3.99E-06	4.08E-06	3.69E-06	1.65E-06	1.68E-06	7.63E-08	1.84E-06	4.07E-07	5.53E-07	8.78E-07	1.52E-07	1.11E-07	4.02E-06
2734	490360.04	3859260.04	1.54E-02	1.57E-02	1.56E-02	5.31E-06	1.60E-05	9.29E-06	9.48E-06	8.59E-06	3.84E-06	3.92E-06	1.77E-07	4.29E-06	9.46E-07	1.29E-06	2.04E-06	3.53E-07	2.58E-07	9.35E-06
2735	490410.04	3859260.04	1.42E-02	1.45E-02	1.45E-02	4.91E-06	1.48E-05	8.59E-06	8.76E-06	7.94E-06	3.55E-06	3.62E-06	1.64E-07	3.96E-06	8.74E-07	1.19E-06	1.89E-06	3.26E-07	2.39E-07	8.64E-06
2736	490460.04	3859260.04	1.33E-02	1.35E-02	1.35E-02	4.59E-06	1.39E-05	8.02E-06	8.19E-06	7.42E-06	3.32E-06	3.38E-06	1.53E-07	3.70E-06	8.17E-07	1.11E-06	1.76E-06	3.05E-07	2.23E-07	8.08E-06
2737	490510.04	3859260.04	1.24E-02	1.26E-02	1.26E-02	4.28E-06	1.29E-05	7.47E-06	7.63E-06	6.91E-06	3.09E-06	3.15E-06	1.43E-07	3.45E-06	7.61E-07	1.04E-06	1.64E-06	2.84E-07	2.08E-07	7.52E-06
2738	490560.04	3859260.04	1.13E-02	1.16E-02	1.15E-02	3.92E-06	1.18E-05	6.85E-06	6.99E-06	6.34E-06	2.83E-06	2.89E-06	1.31E-07	3.16E-06	6.98E-07	9.49E-07	1.51E-06	2.60E-07	1.90E-07	6.89E-06
2739	490610.04	3859260.04	1.01E-02	1.03E-02	1.03E-02	3.50E-06	1.06E-05	6.12E-06	6.25E-06	5.66E-06	2.53E-06	2.58E-06	1.17E-07	2.83E-06	6.24E-07	8.48E-07	1.35E-06	2.32E-07	1.70E-07	6.16E-06
2740	490660.04	3859260.04	9.70E-03	9.90E-03	9.89E-03	3.36E-06	1.01E-05	5.87E-06	5.99E-06	5.43E-06	2.43E-06	2.48E-06	1.12E-07	2.71E-06	5.98E-07	8.14E-07	1.29E-06	2.23E-07	1.63E-07	5.91E-06
2741	490710.04	3859260.04	9.01E-03	9.20E-03	9.19E-03	3.12E-06	9.42E-06	5.45E-06	5.57E-06	5.05E-06	2.26E-06	2.30E-06	1.04E-07	2.52E-06	5.55E-07	7.56E-07	1.20E-06	2.07E-07	1.52E-07	5.49E-06
2742	490760.04	3859260.04	8.22E-03	8.39E-03	8.38E-03	2.85E-06	8.59E-06	4.98E-06	5.08E-06	4.60E-06	2.06E-06	2.10E-06	9.51E-08	2.30E-06	5.07E-07	6.89E-07	1.09E-06	1.89E-07	1.38E-07	5.01E-06
2743	490810.04	3859260.04	7.89E-03	8.05E-03	8.04E-03	2.73E-06	8.24E-06	4.77E-06	4.87E-06	4.41E-06	1.97E-06	2.01E-06	9.11E-08	2.20E-06	4.86E-07	6.61E-07	1.05E-06	1.81E-07	1.33E-07	4.80E-06
2744	490860.04	3859260.04	7.57E-03	7.72E-03	7.71E-03	2.62E-06	7.91E-06	4.58E-06	4.67E-06	4.24E-06	1.89E-06	1.93E-06	8.75E-08	2.11E-06	4.66E-07	6.34E-07	1.01E-06	1.74E-07	1.27E-07	4.61E-06
2745	490360.04	3859310.04	1.76E-02	1.80E-02	1.80E-02	6.10E-06	1.84E-05	1.07E-05	1.09E-05	9.86E-06	4.41E-06	4.49E-06	2.04E-07	4.92E-06	1.09E-06	1.48E-06	2.34E-06	4.05E-07	2.96E-07	1.07E-05
2746	490410.04	3859310.04	1.62E-02	1.65E-02	1.65E-02	5.61E-06	1.69E-05	9.80E-06	1.00E-05	9.07E-06	4.06E-06	4.13E-06	1.87E-07	4.52E-06	9.98E-07	1.36E-06	2.15E-06	3.72E-07	2.73E-07	9.87E-06
2747	490460.04	3859310.04	1.50E-02	1.53E-02	1.53E-02	5.20E-06	1.57E-05	9.08E-06	9.27E-06	8.40E-06	3.76E-06	3.83E-06	1.74E-07	4.19E-06	9.25E-07	1.26E-06	2.00E-06	3.45E-07	2.53E-07	9.14E-06
2748	490510.04	3859310.04	1.41E-02	1.44E-02	1.44E-02	4.87E-06	1.47E-05	8.52E-06	8.69E-06	7.88E-06	3.52E-06	3.59E-06	1.63E-07	3.93E-06	8.68E-07	1.18E-06	1.87E-06	3.23E-07	2.37E-07	8.58E-06
2749	490560.04	3859310.04	1.32E-02	1.34E-02	1.34E-02	4.55E-06	1.38E-05	7.96E-06	8.12E-06	7.36E-06	3.29E-06	3.36E-06	1.52E-07	3.67E-06	8.11E-07	1.10E-06	1.75E-06	3.02E-07	2.21E-07	8.01E-06
2750	490610.04	3859310.04	1.24E-02	1.26E-02	1.26E-02	4.29E-06	1.30E-05	7.50E-06	7.65E-06	6.94E-06	3.10E-06	3.16E-06	1.43E-07	3.46E-06	7.63E-07	1.04E-06	1.65E-06	2.85E-07	2.08E-07	7.55E-06
2751	490660.04	3859310.04	1.15E-02	1.18E-02	1.18E-02	3.99E-06	1.20E-05	6.98E-06	7.12E-06	6.45E-06	2.89E-06	2.94E-06	1.33E-07	3.22E-06	7.10E-07	9.66E-07	1.53E-06	2.65E-07	1.94E-07	7.02E-06
2752	490710.04	3859310.04	1.03E-02	1.05E-02	1.05E-02	3.57E-06	1.08E-05	6.24E-06	6.37E-06	5.77E-06	2.58E-06	2.63E-06	1.19E-07	2.88E-06	6.35E-07	8.64E-07	1.37E-06	2.37E-07	1.74E-07	6.28E-06
2753	490760.04	3859310.04	9.60E-03	9.80E-03	9.79E-03	3.32E-06	1.00E-05	5.81E-06	5.93E-06	5.37E-06	2.40E-06	2.45E-06	1.11E-07	2.68E-06	5.92E-07	8.05E-07	1.28E-06	2.21E-07	1.62E-07	5.85E-06
2754	490810.04	3859310.04	9.14E-03	9.33E-03	9.32E-03	3.17E-06	9.56E-06	5.53E-06	5.65E-06	5.12E-06	2.29E-06	2.33E-06	1.06E-07	2.55E-06	5.63E-07	7.67E-07	1.22E-06	2.10E-07	1.54E-07	5.57E-06
2755	490860.04	3859310.04	8.59E-03	8.76E-03	8.75E-03	2.97E-06	8.97E-06	5.20E-06	5.30E-06	4.81E-06	2.15E-06	2.19E-06	9.93E-08	2.40E-06	5.29E-07	7.20E-07	1.14E-06	1.97E-07	1.44E-07	5.23E-06
2756	490360.04	3859360.04	2.04E-02	2.09E-02	2.08E-02	7.08E-06	2.14E-05	1.24E-05	1.26E-05	1.14E-05	5.12E-06	5.22E-06	2.36E-07	5.71E-06	1.26E-06	1.71E-06	2.72E-06	4.70E-07	3.44E-07	1.25E-05
2757	490410.04	3859360.04	1.90E-02	1.94E-02	1.94E-02	6.57E-06	1.98E-05	1.15E-05	1.17E-05	1.06E-05	4.75E-06	4.84E-06	2.19E-07	5.30E-06	1.17E-06	1.59E-06	2.52E-06	4.36E-07	3.19E-07	1.16E-05
2758	490460.04	3859360.04	1.77E-02	1.81E-02	1.81E-02	6.14E-06	1.85E-05	1.07E-05	1.09E-05	9.92E-06	4.44E-06	4.52E-06	2.05E-07	4.95E-06	1.09E-06	1.49E-06	2.36E-06	4.07E-07	2.98E-07	1.08E-05
2759	490510.04	3859360.04	1.66E-02	1.69E-02	1.69E-02	5.73E-06	1.73E-05	1.00E-05	1.02E-05	9.27E-06	4.14E-06	4.22E-06	1.91E-07	4.62E-06	1.02E-06	1.39E-06	2.20E-06	3.80E-07	2.79E-07	1.01E-05
2760	490560.04	3859360.04	1.52E-02	1.55E-02	1.55E-02	5.27E-06	1.59E-05	9.22E-06	9.41E-06	8.53E-06	3.81E-06	3.89E-06	1.76E-07	4.25E-06	9.39E-07	1.28E-06	2.03E-06	3.50E-07	2.56E-07	9.28E-06
2761	490610.04	3859360.04	1.41E-02	1.44E-02	1.43E-02	4.87E-06	1.47E-05	8.51E-06	8.68E-06	7.87E-06	3.52E-06	3.59E-06	1.63E-07	3.93E-06	8.67E-07	1.18E-06	1.87E-06	3.23E-07	2.37E-07	8.57E-06
2762	490660.04	3859360.04	1.31E-02	1.34E-02	1.34E-02	4.54E-06	1.37E-05	7.94E-06	8.10E-06	7.35E-06	3.29E-06	3.35E-06	1.52E-07	3.67E-06	8.09E-07	1.10E-06	1.75E-06	3.01E-07	2.21E-07	7.99E-06
2763	490710.04	3859360.04	1.20E-02	1.23E-02	1.23E-02	4.17E-06	1.26E-05	7.28E-06	7.43E-06	6.74E-06	3.01E-06	3.07E-06	1.39E-07	3.36E-06	7.41E-07	1.01E-06	1.60E-06	2.76E-07	2.02E-07	7.33E-06
2764	490760.04	3859360.04	1.10E-02	1.12E-02	1.12E-02	3.81E-06	1.15E-05	6.66E-06	6.80E-06	6.16E-06	2.76E-06	2.81E-06	1.27E-07	3.08E-06	6.79E-07	9.23E-07	1.46E-06	2.53E-07	1.85E-07	6.71E-06
2765	490810.04	3859360.04	1.06E-02	1.08E-02	1.08E-02	3.67E-06	1.11E-05	6.41E-06	6.54E-06	5.93E-06	2.65E-06	2.70E-06	1.22E-07	2.96E-06	6.53E-07	8.88E-07	1.41E-06	2.43E-07	1.78E-07	6.45E-06
2766	490860.04	3859360.04	9.97E-03	1.02E-02	1.02E-02	3.45E-06	1.04E-05	6.03E-06	6.16E-06	5.58E-06	2.50E-06	2.54E-06	1.15E-07	2.78E-06	6.15E-07	8.36E-07	1.33E-06	2.29E-07	1.68E-07	6.07E-06
2767	490360.04	3859410.04	2.40E-02	2.45E-02	2.45E-02	8.32E-06	2.51E-05	1.45E-05	1.48E-05	1.34E-05	6.01E-06	6.13E-06	2.78E-07	6.71E-06	1.48E-06	2.01E-06	3.19E-06	5.52E-07	4.04E-07	1.46E-05
2768	490410.04	3859410.04	2.23E-02	2.28E-02	2.27E-02	7.72E-06	2.33E-05	1.35E-05	1.38E-05	1.25E-05	5.58E-06	5.69E-06	2.58E-07	6.23E-06	1.37E-06	1.87E-06	2.97E-06	5.12E-07	3.75E-07	1.36E-05
2769	490460.04	3859410.04	2.07E-02	2.12E-02	2.11E-02	7.18E-06	2.17E-05	1.25E-05	1.28E-05	1.16E-05	5.19E-06	5.29E-06	2.40E-07	5.79E-06	1.28E-06	1.74E-06	2.76E-06	4.76E-07	3.49E-07	1.26E-05
2770	490510.04	3859410.04	1.93E-02	1.97E-02	1.96E-02	6.67E-06	2.02E-05	1.17E-05	1.19E-05	1.08E-05	4.83E-06	4.92E-06	2.23E-07	5.38E-06	1.19E-06	1.62E-06	2.56E-06	4.43E-07	3.24E-07	1.17E-05
2771	490560.04	3859410.04	1.80E-02	1.83E-02	1.83E-02	6.22E-06	1.88E-05	1.09E-05	1.11E-05	1.01E-05	4.49E-06	4.58E-06	2.08E-07	5.01E-06	1.11E-06	1.51E-06	2.39E-06	4.12E-07	3.02E-07	1.09E-05
2772	490610.04	3859410.04	1.67E-02	1.71E-02	1.70E-02	5.79E-06	1.75E-05	1.01E-05	1.03E-05	9.36E-06	4.18E-06	4.26E-06	1.93E-07	4.67E-06	1.03E-06	1.40E-06	2.22E-06	3.84E-07	2.81E-07	1.02E-05
2773	490660.04	3859410.04	1.52E-02	1.55E-02	1.55E-02	5.26E-06	1.59E-05	9.19E-06	9.38E-06	8.50E-06	3.80E-06	3.88E-06	1.76E-07	4.24E-06	9.36E-07	1.27E-06	2.02E-06	3.49E-07	2.56E-07	9.25E-06
2774	490710.04	3859410.04	1.40E-02	1.43E-02	1.42E-02	4.84E-06	1.46E-05	8.45E-06	8.62E-06	7.82E-06	3.50E-06	3.56E-06	1.61E-07	3.90E-06	8.61E-07	1.17E-06	1.86E-06	3.21E-07	2.35E-07	8.51E-06
2775	490760.04	3859410.04	1.27E-02	1.30E-02	1.29E-02	4.39E-06	1.33E-05	7.68E-06	7.84E-06	7.10E-06	3.18E-06	3.24E-06	1.47E-07	3.54E-06	7.82E-07	1.06E-06	1.69E-06	2.92E-07	2.14E-07	7.73E-06
2776	490810.04	3859410.04	1.22E-02	1.24E-02	1.24E-02	4.21E-06	1.27E-05	7.35E-06	7.50E-06	6.80E-06	3.04E-06	3.10E-06	1.40E-07	3.39E-06	7.49E-07	1.02E-06	1.62E-06	2.79E-07	2.04E-07	7.40E-06
2777	490860.04	3859410.04	1.18E-02	1.20E-02	1.20E-02	4.07E-06	1.23E-05	7.11E-06	7.26E-06	6.58E-06	2.94E-06	3.00E-06	1.36E-07	3.28E-06	7.24E-07	9.85E-07	1.56E-06	2.70E-07	1.98E-07	7.16E-06
2778	490360.04	3859460.04	2.88E-02	2.94E-02	2.94E-02	9.97E-06	3.01E-05	1.74E-05	1.78E-05	1.61E-05	7.21E-06	7.35E-06	3.33E-07	8.04E-06	1.78E-06	2.42E-06	3.83E-06	6.62E-07	4.85E-07	1.75E-05
2779	490410.04	3859460.04	2.63E-02	2.68E-02	2.68E-02	9.09E-06	2.74E-05	1.59E-05	1.62E-05	1.47E-05	6.57E-06	6.70E-06	3.03E-07	7.33E-06	1.62E-06	2.20E-06	3.49E-06	6.03E-07	4.42E-07	1.60E-05
2780	490460.04	3859460.04	2.43E-02	2.48E-02	2.48E-02	8.42E-06	2.54E-05	1.47E-05	1.50E-05	1.36E-05	6.08E-06	6.20E-06	2.81E-07	6.79E-06	1.50E-06	2.04E-06	3.23E-06	5.58E-07	4.09E-07	1.48E-05
2781	490510.04	3859460.04	2.25E-02	2.30E-02	2.30E-02	7.80E-06	2.36E-05	1.36E-05	1.39E-05	1.26E-05	5.64E-06	5.75E-06	2.61E-07	6.29E-06	1.39E-06	1.89E-06	3.00E-06	5.18E-07	3.79E-07	1.37E-05
2782	490560.04	3859460.04	2.10E-02	2.14E-02	2.14E-02	7.27E-06	2.19E-05	1.27E-05	1.30E-05	1.18E-05	5.25E-06	5.36E-06	2.43E-07	5.86E-06	1.29E-06	1.76E-06	2.79E-06	4.82E-07	3.53E-07	1.28E-05
2783	490610.04	3859460.04	1.94E-02	1.98E-02	1.98E-02	6.72E-06	2.03E-05	1.17E-05	1.20E-05	1.09E-05	4.86E-06	4.95E-06	2.24E-07	5.42E-06	1.20E-06	1.63E-06	2.58E-06	4.46E-07	3.26E-07	1.18E-05
2784	490660.04	3859460.04	1.79E-02	1.82E-02	1.82E-02	6.18E-06	1.87E-05	1.08E-05	1.10E-05	1.00E-05	4.47E-06	4.56E-06	2.06E-07	4.99E-06	1.10E-06	1.50E-06	2.38E-06	4.10E-07	3.01E-07	1.09E-05
2785	490710.04	3859460.04	1.66E-02	1.70E-02	1.69E-02	5.75E-06	1.74E-05	1.01E-05	1.03E-05	9.30E-06	4.16E-06	4.24E-06	1.92E-07	4.64E-06	1.02E-06	1.39E-06	2.21E-06	3.82E-07	2.80E-07	1.01E-05
2786	490760.04	3859460.04	1.54E-02	1.57E-02	1.57E-02	5.33E-06	1.61E-05	9.32E-06	9.51E-06	8.62E-06	3.85E-06	3.93E-06	1.78E-07	4.30E-06	9.49E-07	1.29E-06	2.05E-06	3.54E-07	2.59E-07	9.38E-06

2787	490810.04	3859460.04	1.43E-02	1.46E-02	1.46E-02	4.95E-06	1.49E-05	8.65E-06	8.83E-06	8.00E-06	3.58E-06	3.65E-06	1.65E-07	3.99E-06	8.81E-07	1.20E-06	1.90E-06	3.28E-07	2.41E-07	8.71E-06
2788	490860.04	3859460.04	1.37E-02	1.39E-02	1.39E-02	4.73E-06	1.43E-05	8.27E-06	8.44E-06	7.65E-06	3.42E-06	3.49E-06	1.58E-07	3.82E-06	8.42E-07	1.15E-06	1.82E-06	3.14E-07	2.30E-07	8.32E-06
2789	490360.04	3859510.04	3.59E-02	3.66E-02	3.66E-02	1.24E-05	3.75E-05	2.17E-05	2.22E-05	2.01E-05	8.98E-06	9.15E-06	4.15E-07	1.00E-05	2.21E-06	3.01E-06	4.77E-06	8.24E-07	6.04E-07	2.19E-05
2790	490410.04	3859510.04	3.24E-02	3.31E-02	3.30E-02	1.12E-05	3.39E-05	1.96E-05	2.00E-05	1.81E-05	8.12E-06	8.27E-06	3.75E-07	9.05E-06	2.00E-06	2.72E-06	4.31E-06	7.45E-07	5.46E-07	1.97E-05
2791	490460.04	3859510.04	2.94E-02	3.00E-02	2.99E-02	1.02E-05	3.07E-05	1.78E-05	1.81E-05	1.64E-05	7.35E-06	7.49E-06	3.39E-07	8.20E-06	1.81E-06	2.46E-06	3.90E-06	6.74E-07	4.94E-07	1.79E-05
2792	490510.04	3859510.04	2.70E-02	2.75E-02	2.75E-02	9.34E-06	2.82E-05	1.63E-05	1.67E-05	1.51E-05	6.75E-06	6.88E-06	3.12E-07	7.53E-06	1.66E-06	2.26E-06	3.59E-06	6.20E-07	4.54E-07	1.64E-05
2793	490560.04	3859510.04	2.49E-02	2.54E-02	2.54E-02	8.63E-06	2.60E-05	1.51E-05	1.54E-05	1.39E-05	6.24E-06	6.36E-06	2.88E-07	6.96E-06	1.54E-06	2.09E-06	3.31E-06	5.72E-07	4.19E-07	1.52E-05
2794	490610.04	3859510.04	2.30E-02	2.34E-02	2.34E-02	7.95E-06	2.40E-05	1.39E-05	1.42E-05	1.28E-05	5.75E-06	5.86E-06	2.65E-07	6.41E-06	1.41E-06	1.92E-06	3.05E-06	5.27E-07	3.86E-07	1.40E-05
2795	490660.04	3859510.04	2.12E-02	2.16E-02	2.16E-02	7.33E-06	2.21E-05	1.28E-05	1.31E-05	1.19E-05	5.30E-06	5.40E-06	2.45E-07	5.91E-06	1.30E-06	1.78E-06	2.82E-06	4.86E-07	3.56E-07	1.29E-05
2796	490710.04	3859510.04	1.95E-02	1.99E-02	1.99E-02	6.76E-06	2.04E-05	1.18E-05	1.20E-05	1.09E-05	4.88E-06	4.98E-06	2.26E-07	5.45E-06	1.20E-06	1.64E-06	2.60E-06	4.48E-07	3.28E-07	1.19E-05
2797	490760.04	3859510.04	1.81E-02	1.84E-02	1.84E-02	6.26E-06	1.89E-05	1.09E-05	1.12E-05	1.01E-05	4.52E-06	4.61E-06	2.09E-07	5.05E-06	1.11E-06	1.52E-06	2.40E-06	4.15E-07	3.04E-07	1.10E-05
2798	490810.04	3859510.04	1.69E-02	1.73E-02	1.73E-02	5.87E-06	1.77E-05	1.03E-05	1.05E-05	9.49E-06	4.24E-06	4.32E-06	1.96E-07	4.73E-06	1.04E-06	1.42E-06	2.25E-06	3.89E-07	2.85E-07	1.03E-05
2799	490860.04	3859510.04	1.58E-02	1.61E-02	1.61E-02	5.48E-06	1.65E-05	9.57E-06	9.77E-06	8.85E-06	3.96E-06	4.04E-06	1.83E-07	4.42E-06	9.75E-07	1.33E-06	2.10E-06	3.63E-07	2.66E-07	9.63E-06
2800	490360.04	3859560.04	4.66E-02	4.76E-02	4.75E-02	1.61E-05	4.87E-05	2.82E-05	2.88E-05	2.61E-05	1.17E-05	1.19E-05	5.39E-07	1.30E-05	2.87E-06	3.91E-06	6.20E-06	1.07E-06	7.84E-07	2.84E-05
2801	490410.04	3859560.04	4.16E-02	4.24E-02	4.24E-02	1.44E-05	4.35E-05	2.52E-05	2.57E-05	2.33E-05	1.04E-05	1.06E-05	4.81E-07	1.16E-05	2.56E-06	3.49E-06	5.53E-06	9.55E-07	7.00E-07	2.53E-05
2802	490460.04	3859560.04	3.75E-02	3.82E-02	3.82E-02	1.30E-05	3.92E-05	2.27E-05	2.31E-05	2.10E-05	9.38E-06	9.56E-06	4.33E-07	1.05E-05	2.31E-06	3.14E-06	4.98E-06	8.61E-07	6.31E-07	2.28E-05
2803	490510.04	3859560.04	3.33E-02	3.40E-02	3.39E-02	1.15E-05	3.48E-05	2.01E-05	2.06E-05	1.86E-05	8.33E-06	8.49E-06	3.85E-07	9.30E-06	2.05E-06	2.79E-06	4.43E-06	7.65E-07	5.60E-07	2.03E-05
2804	490560.04	3859560.04	3.05E-02	3.11E-02	3.11E-02	1.06E-05	3.19E-05	1.85E-05	1.88E-05	1.71E-05	7.63E-06	7.78E-06	3.53E-07	8.52E-06	1.88E-06	2.56E-06	4.06E-06	7.01E-07	5.13E-07	1.86E-05
2805	490610.04	3859560.04	2.78E-02	2.84E-02	2.83E-02	9.62E-06	2.91E-05	1.68E-05	1.72E-05	1.56E-05	6.96E-06	7.09E-06	3.21E-07	7.76E-06	1.71E-06	2.33E-06	3.70E-06	6.39E-07	4.68E-07	1.69E-05
2806	490660.04	3859560.04	2.55E-02	2.60E-02	2.60E-02	8.84E-06	2.67E-05	1.54E-05	1.58E-05	1.43E-05	6.39E-06	6.51E-06	2.95E-07	7.13E-06	1.57E-06	2.14E-06	3.39E-06	5.86E-07	4.29E-07	1.55E-05
2807	490710.04	3859560.04	2.34E-02	2.39E-02	2.38E-02	8.10E-06	2.45E-05	1.42E-05	1.44E-05	1.31E-05	5.86E-06	5.97E-06	2.70E-07	6.53E-06	1.44E-06	1.96E-06	3.11E-06	5.37E-07	3.94E-07	1.42E-05
2808	490760.04	3859560.04	2.13E-02	2.17E-02	2.17E-02	7.36E-06	2.22E-05	1.29E-05	1.31E-05	1.19E-05	5.32E-06	5.43E-06	2.46E-07	5.94E-06	1.31E-06	1.78E-06	2.83E-06	4.89E-07	3.58E-07	1.30E-05
2809	490810.04	3859560.04	1.96E-02	2.00E-02	2.00E-02	6.80E-06	2.05E-05	1.19E-05	1.21E-05	1.10E-05	4.92E-06	5.01E-06	2.27E-07	5.49E-06	1.21E-06	1.65E-06	2.61E-06	4.51E-07	3.31E-07	1.20E-05
2810	490860.04	3859560.04	1.82E-02	1.85E-02	1.85E-02	6.28E-06	1.90E-05	1.10E-05	1.12E-05	1.02E-05	4.54E-06	4.63E-06	2.10E-07	5.07E-06	1.12E-06	1.52E-06	2.41E-06	4.17E-07	3.05E-07	1.11E-05
2811	490187.25	3859422.08	3.44E-02	3.51E-02	3.51E-02	1.19E-05	3.60E-05	2.08E-05	2.12E-05	1.93E-05	8.61E-06	8.78E-06	3.98E-07	9.61E-06	2.12E-06	2.88E-06	4.58E-06	7.90E-07	5.79E-07	2.10E-05
2812	490237.25	3859422.08	3.13E-02	3.19E-02	3.19E-02	1.08E-05	3.27E-05	1.89E-05	1.93E-05	1.75E-05	7.83E-06	7.98E-06	3.61E-07	8.73E-06	1.93E-06	2.62E-06	4.16E-06	7.18E-07	5.26E-07	1.90E-05
2813	490287.25	3859422.08	2.85E-02	2.91E-02	2.90E-02	9.86E-06	2.98E-05	1.72E-05	1.76E-05	1.59E-05	7.13E-06	7.27E-06	3.29E-07	7.96E-06	1.76E-06	2.39E-06	3.79E-06	6.54E-07	4.79E-07	1.74E-05
2814	490337.25	3859422.08	2.59E-02	2.64E-02	2.64E-02	8.97E-06	2.71E-05	1.57E-05	1.60E-05	1.45E-05	6.48E-06	6.61E-06	2.99E-07	7.23E-06	1.60E-06	2.17E-06	3.44E-06	5.95E-07	4.36E-07	1.58E-05
2815	490187.25	3859472.08	4.25E-02	4.34E-02	4.33E-02	1.47E-05	4.44E-05	2.57E-05	2.62E-05	2.38E-05	1.06E-05	1.08E-05	4.91E-07	1.19E-05	2.62E-06	3.56E-06	5.65E-06	9.76E-07	7.15E-07	2.59E-05
2816	490237.25	3859472.08	3.83E-02	3.91E-02	3.91E-02	1.33E-05	4.01E-05	2.32E-05	2.37E-05	2.15E-05	9.59E-06	9.78E-06	4.43E-07	1.07E-05	2.36E-06	3.21E-06	5.10E-06	8.80E-07	6.45E-07	2.33E-05
2817	490287.25	3859472.08	3.46E-02	3.53E-02	3.53E-02	1.20E-05	3.62E-05	2.09E-05	2.14E-05	1.94E-05	8.66E-06	8.82E-06	4.00E-07	9.66E-06	2.13E-06	2.90E-06	4.60E-06	7.95E-07	5.82E-07	2.11E-05
2818	490337.25	3859472.08	3.15E-02	3.22E-02	3.21E-02	1.09E-05	3.29E-05	1.91E-05	1.95E-05	1.76E-05	7.89E-06	8.04E-06	3.64E-07	8.80E-06	1.94E-06	2.64E-06	4.19E-06	7.24E-07	5.30E-07	1.92E-05
2819	490297.07	3859500.42	3.86E-02	3.94E-02	3.94E-02	1.34E-05	4.04E-05	2.34E-05	2.38E-05	2.16E-05	9.66E-06	9.85E-06	4.46E-07	1.08E-05	2.38E-06	3.24E-06	5.13E-06	8.87E-07	6.50E-07	2.35E-05
2820	490327.07	3859500.42	3.66E-02	3.73E-02	3.73E-02	1.27E-05	3.82E-05	2.21E-05	2.26E-05	2.05E-05	9.16E-06	9.33E-06	4.23E-07	1.02E-05	2.25E-06	3.07E-06	4.87E-06	8.40E-07	6.16E-07	2.23E-05
2821	490297.07	3859530.42	4.53E-02	4.62E-02	4.61E-02	1.57E-05	4.73E-05	2.74E-05	2.80E-05	2.53E-05	1.13E-05	1.15E-05	5.23E-07	1.26E-05	2.79E-06	3.80E-06	6.02E-06	1.04E-06	7.62E-07	2.76E-05
2822	490327.07	3859530.42	4.25E-02	4.34E-02	4.33E-02	1.47E-05	4.44E-05	2.57E-05	2.62E-05	2.38E-05	1.06E-05	1.08E-05	4.91E-07	1.19E-05	2.62E-06	3.56E-06	5.65E-06	9.76E-07	7.15E-07	2.59E-05
2823	490319.73	3859055.34	1.05E-02	1.08E-02	1.07E-02	3.65E-06	1.10E-05	6.38E-06	6.51E-06	5.90E-06	2.64E-06	2.69E-06	1.22E-07	2.94E-06	6.50E-07	8.84E-07	1.40E-06	2.42E-07	1.77E-07	6.42E-06
2824	490319.73	3859105.34	1.17E-02	1.19E-02	1.19E-02	4.05E-06	1.22E-05	7.07E-06	7.22E-06	6.54E-06	2.92E-06	2.98E-06	1.35E-07	3.26E-06	7.20E-07	9.80E-07	1.55E-06	2.68E-07	1.97E-07	7.12E-06
2825	490069.73	3859155.34	1.76E-02	1.80E-02	1.79E-02	6.09E-06	1.84E-05	1.07E-05	1.09E-05	9.85E-06	4.41E-06	4.49E-06	2.03E-07	4.92E-06	1.08E-06	1.48E-06	2.34E-06	4.04E-07	2.96E-07	1.07E-05
2826	490119.73	3859155.34	1.66E-02	1.69E-02	1.69E-02	5.74E-06	1.73E-05	1.00E-05	1.02E-05	9.28E-06	4.15E-06	4.23E-06	1.92E-07	4.63E-06	1.02E-06	1.39E-06	2.20E-06	3.81E-07	2.79E-07	1.01E-05
2827	490269.73	3859155.34	1.41E-02	1.44E-02	1.43E-02	4.87E-06	1.47E-05	8.52E-06	8.69E-06	7.88E-06	3.52E-06	3.59E-06	1.63E-07	3.93E-06	8.67E-07	1.18E-06	1.87E-06	3.23E-07	2.37E-07	8.57E-06
2828	490319.73	3859155.34	1.31E-02	1.34E-02	1.33E-02	4.53E-06	1.37E-05	7.93E-06	8.09E-06	7.33E-06	3.28E-06	3.34E-06	1.51E-07	3.66E-06	8.07E-07	1.10E-06	1.74E-06	3.01E-07	2.20E-07	7.98E-06
2829	490069.73	3859205.34	2.04E-02	2.09E-02	2.08E-02	7.08E-06	2.14E-05	1.24E-05	1.26E-05	1.14E-05	5.12E-06	5.22E-06	2.36E-07	5.71E-06	1.26E-06	1.71E-06	2.72E-06	4.70E-07	3.44E-07	1.25E-05
2830	490119.73	3859205.34	1.93E-02	1.97E-02	1.97E-02	6.69E-06	2.02E-05	1.17E-05	1.19E-05	1.08E-05	4.84E-06	4.93E-06	2.23E-07	5.39E-06	1.19E-06	1.62E-06	2.57E-06	4.44E-07	3.25E-07	1.18E-05
2831	490169.73	3859205.34	1.81E-02	1.85E-02	1.85E-02	6.28E-06	1.89E-05	1.10E-05	1.12E-05	1.01E-05	4.54E-06	4.62E-06	2.10E-07	5.06E-06	1.12E-06	1.52E-06	2.41E-06	4.16E-07	3.05E-07	1.10E-05
2832	490219.73	3859205.34	1.68E-02	1.72E-02	1.72E-02	5.83E-06	1.76E-05	1.02E-05	1.04E-05	9.43E-06	4.22E-06	4.30E-06	1.95E-07	4.70E-06	1.04E-06	1.41E-06	2.24E-06	3.87E-07	2.83E-07	1.03E-05
2833	490269.73	3859205.34	1.56E-02	1.59E-02	1.59E-02	5.38E-06	1.63E-05	9.41E-06	9.60E-06	8.70E-06	3.89E-06	3.97E-06	1.80E-07	4.34E-06	9.58E-07	1.30E-06	2.07E-06	3.57E-07	2.62E-07	9.47E-06
2834	490319.73	3859205.34	1.46E-02	1.49E-02	1.49E-02	5.05E-06	1.52E-05	8.83E-06	9.01E-06	8.16E-06	3.65E-06	3.72E-06	1.69E-07	4.07E-06	8.99E-07	1.22E-06	1.94E-06	3.35E-07	2.45E-07	8.88E-06
2835	490069.73	3859255.34	2.37E-02	2.42E-02	2.41E-02	8.20E-06	2.48E-05	1.43E-05	1.46E-05	1.33E-05	5.93E-06	6.04E-06	2.74E-07	6.62E-06	1.46E-06	1.99E-06	3.15E-06	5.44E-07	3.99E-07	1.44E-05
2836	490119.73	3859255.34	2.22E-02	2.26E-02	2.26E-02	7.67E-06	2.32E-05	1.34E-05	1.37E-05	1.24E-05	5.55E-06	5.66E-06	2.56E-07	6.19E-06	1.37E-06	1.86E-06	2.95E-06	5.09E-07	3.73E-07	1.35E-05
2837	490169.73	3859255.34	2.07E-02	2.11E-02	2.11E-02	7.17E-06	2.16E-05	1.25E-05	1.28E-05	1.16E-05	5.18E-06	5.28E-06	2.39E-07	5.78E-06	1.28E-06	1.74E-06	2.75E-06	4.76E-07	3.48E-07	1.26E-05
2838	490219.73	3859255.34	1.91E-02	1.95E-02	1.95E-02	6.62E-06	2.00E-05	1.16E-05	1.18E-05	1.07E-05	4.79E-06	4.88E-06	2.21E-07	5.34E-06	1.18E-06	1.60E-06	2.54E-06	4.39E-07	3.22E-07	1.16E-05
2839	490269.73	3859255.34	1.77E-02	1.80E-02	1.80E-02	6.12E-06	1.85E-05	1.07E-05	1.09E-05	9.90E-06	4.43E-06	4.51E-06	2.04E-07	4.94E-06	1.09E-06	1.48E-06	2.35E-06	4.06E-07	2.98E-07	1.08E-05
2840	490319.73	3859255.34	1.65E-02	1.68E-02	1.68E-02	5.71E-06	1.72E-05	9.98E-06	1.02E-05	9.23E-06	4.13E-06	4.21E-06	1.91E-07	4.60E-06	1.02E-06	1.38E-06	2.19E-06	3.79E-07	2.77E-07	1.00E-05
2841	490069.73	3859305.34	2.77E-02	2.83E-02	2.83E-02	9.60E-06	2.90E-05	1.68E-05	1.71E-05	1.55E-05	6.94E-06	7.07E-06	3.20E-07	7.74E-06	1.71E-06	2.32E-06	3.69E-06	6.37E-07	4.66E-07	1.69E-05
2842	490119.73	3859305.34	2.58E-02	2.63E-02	2.63E-02	8.92E-06	2.69E-05	1.56E-05	1.59E-05	1.44E-05	6.45E-06	6.57E-06	2.98E-07	7.20E-06	1.59E-06	2.16E-06	3.43E-06	5.92E-07	4.34E-07	1.57E-05
2843	490169.73	3859305.34	2.39E-02	2.44E-02	2.44E-02	8.27E-06	2.50E-05	1.45E-05	1.48E-05	1.34E-05	5.98E-06	6.09E-06	2.76E-07	6.67E-06	1.47E-06	2.00E-06	3.18E-06	5.49E-07	4.02E-07	1.45E-05

2844	490219.73	3859305.34	2.20E-02	2.25E-02	2.24E-02	7.62E-06	2.30E-05	1.33E-05	1.36E-05	1.23E-05	5.51E-06	5.62E-06	2.54E-07	6.15E-06	1.36E-06	1.85E-06	2.93E-06	5.06E-07	3.70E-07	1.34E-05
2845	490269.73	3859305.34	2.03E-02	2.07E-02	2.07E-02	7.03E-06	2.12E-05	1.23E-05	1.25E-05	1.14E-05	5.08E-06	5.18E-06	2.35E-07	5.67E-06	1.25E-06	1.70E-06	2.70E-06	4.67E-07	3.42E-07	1.24E-05
2846	490319.73	3859305.34	1.87E-02	1.91E-02	1.90E-02	6.47E-06	1.95E-05	1.13E-05	1.15E-05	1.05E-05	4.68E-06	4.77E-06	2.16E-07	5.22E-06	1.15E-06	1.57E-06	2.48E-06	4.29E-07	3.14E-07	1.14E-05
2847	490069.73	3859355.34	3.33E-02	3.40E-02	3.39E-02	1.15E-05	3.48E-05	2.01E-05	2.05E-05	1.86E-05	8.33E-06	8.49E-06	3.85E-07	9.29E-06	2.05E-06	2.79E-06	4.43E-06	7.64E-07	5.60E-07	2.03E-05
2848	490119.73	3859355.34	3.05E-02	3.12E-02	3.11E-02	1.06E-05	3.19E-05	1.85E-05	1.89E-05	1.71E-05	7.64E-06	7.79E-06	3.53E-07	8.53E-06	1.88E-06	2.56E-06	4.06E-06	7.01E-07	5.14E-07	1.86E-05
2849	490169.73	3859355.34	2.81E-02	2.86E-02	2.86E-02	9.71E-06	2.93E-05	1.70E-05	1.73E-05	1.57E-05	7.02E-06	7.16E-06	3.24E-07	7.83E-06	1.73E-06	2.35E-06	3.73E-06	6.44E-07	4.72E-07	1.71E-05
2850	490219.73	3859355.34	2.57E-02	2.62E-02	2.62E-02	8.89E-06	2.68E-05	1.55E-05	1.59E-05	1.44E-05	6.43E-06	6.55E-06	2.97E-07	7.17E-06	1.58E-06	2.15E-06	3.42E-06	5.90E-07	4.32E-07	1.56E-05
2851	490269.73	3859355.34	2.35E-02	2.40E-02	2.40E-02	8.15E-06	2.46E-05	1.42E-05	1.45E-05	1.32E-05	5.89E-06	6.01E-06	2.72E-07	6.58E-06	1.45E-06	1.97E-06	3.13E-06	5.41E-07	3.96E-07	1.43E-05
2852	490319.73	3859355.34	2.16E-02	2.21E-02	2.20E-02	7.49E-06	2.26E-05	1.31E-05	1.34E-05	1.21E-05	5.41E-06	5.52E-06	2.50E-07	6.04E-06	1.33E-06	1.81E-06	2.88E-06	4.97E-07	3.64E-07	1.32E-05
2853	490069.73	3859405.34	4.08E-02	4.17E-02	4.16E-02	1.41E-05	4.27E-05	2.47E-05	2.52E-05	2.29E-05	1.02E-05	1.04E-05	4.72E-07	1.14E-05	2.52E-06	3.42E-06	5.43E-06	9.38E-07	6.87E-07	2.49E-05
2854	490119.73	3859405.34	3.68E-02	3.75E-02	3.75E-02	1.27E-05	3.85E-05	2.23E-05	2.27E-05	2.06E-05	9.21E-06	9.39E-06	4.25E-07	1.03E-05	2.27E-06	3.08E-06	4.89E-06	8.45E-07	6.19E-07	2.24E-05
2855	490169.73	3859405.34	3.34E-02	3.41E-02	3.40E-02	1.16E-05	3.49E-05	2.02E-05	2.06E-05	1.87E-05	8.36E-06	8.52E-06	3.86E-07	9.32E-06	2.06E-06	2.80E-06	4.44E-06	7.67E-07	5.62E-07	2.03E-05
2856	490219.73	3859405.34	3.04E-02	3.11E-02	3.10E-02	1.05E-05	3.18E-05	1.84E-05	1.88E-05	1.70E-05	7.62E-06	7.77E-06	3.52E-07	8.50E-06	1.88E-06	2.55E-06	4.05E-06	6.99E-07	5.12E-07	1.85E-05
2857	490269.73	3859405.34	2.77E-02	2.83E-02	2.82E-02	9.59E-06	2.89E-05	1.68E-05	1.71E-05	1.55E-05	6.93E-06	7.06E-06	3.20E-07	7.73E-06	1.71E-06	2.32E-06	3.68E-06	6.36E-07	4.66E-07	1.69E-05
2858	490319.73	3859405.34	2.51E-02	2.57E-02	2.56E-02	8.70E-06	2.63E-05	1.52E-05	1.55E-05	1.41E-05	6.29E-06	6.41E-06	2.91E-07	7.02E-06	1.55E-06	2.11E-06	3.34E-06	5.77E-07	4.23E-07	1.53E-05
2859	490161.89	3859541.83	6.95E-02	7.09E-02	7.08E-02	2.41E-05	7.26E-05	4.20E-05	4.29E-05	3.89E-05	1.74E-05	1.77E-05	8.03E-07	1.94E-05	4.28E-06	5.82E-06	9.24E-06	1.60E-06	1.17E-06	4.23E-05
2860	490171.89	3859541.83	6.74E-02	6.88E-02	6.87E-02	2.33E-05	7.04E-05	4.08E-05	4.16E-05	3.77E-05	1.69E-05	1.72E-05	7.79E-07	1.88E-05	4.15E-06	5.65E-06	8.96E-06	1.55E-06	1.13E-06	4.10E-05
2861	490161.89	3859551.83	7.60E-02	7.76E-02	7.75E-02	2.63E-05	7.95E-05	4.60E-05	4.69E-05	4.25E-05	1.90E-05	1.94E-05	8.79E-07	2.12E-05	4.68E-06	6.37E-06	1.01E-05	1.75E-06	1.28E-06	4.63E-05
2862	490171.89	3859551.83	7.35E-02	7.50E-02	7.49E-02	2.54E-05	7.68E-05	4.45E-05	4.54E-05	4.11E-05	1.84E-05	1.87E-05	8.49E-07	2.05E-05	4.53E-06	6.16E-06	9.77E-06	1.69E-06	1.24E-06	4.47E-05
2863	489799.72	3859348.21	6.44E-02	6.57E-02	6.57E-02	2.23E-05	6.73E-05	3.90E-05	3.98E-05	3.61E-05	1.61E-05	1.64E-05	7.45E-07	1.80E-05	3.97E-06	5.40E-06	8.57E-06	1.48E-06	1.08E-06	3.92E-05
2864	489819.72	3859348.21	5.99E-02	6.11E-02	6.11E-02	2.07E-05	6.26E-05	3.62E-05	3.70E-05	3.35E-05	1.50E-05	1.53E-05	6.92E-07	1.67E-05	3.69E-06	5.02E-06	7.97E-06	1.38E-06	1.01E-06	3.65E-05
2865	489799.72	3859368.21	7.52E-02	7.67E-02	7.66E-02	2.60E-05	7.86E-05	4.55E-05	4.64E-05	4.21E-05	1.88E-05	1.92E-05	8.69E-07	2.10E-05	4.63E-06	6.30E-06	1.00E-05	1.73E-06	1.27E-06	4.58E-05
2866	489819.72	3859368.21	6.91E-02	7.05E-02	7.04E-02	2.39E-05	7.22E-05	4.18E-05	4.26E-05	3.86E-05	1.73E-05	1.76E-05	7.98E-07	1.93E-05	4.25E-06	5.79E-06	9.18E-06	1.59E-06	1.16E-06	4.21E-05
2867	489775.41	3859329.72	6.19E-02	6.32E-02	6.31E-02	2.14E-05	6.47E-05	3.75E-05	3.82E-05	3.47E-05	1.55E-05	1.58E-05	7.16E-07	1.73E-05	3.82E-06	5.19E-06	8.24E-06	1.42E-06	1.04E-06	3.77E-05
2868	489795.41	3859329.72	5.77E-02	5.89E-02	5.89E-02	2.00E-05	6.04E-05	3.49E-05	3.57E-05	3.23E-05	1.45E-05	1.47E-05	6.67E-07	1.61E-05	3.56E-06	4.84E-06	7.68E-06	1.33E-06	9.72E-07	3.52E-05
2869	489775.41	3859349.72	7.19E-02	7.33E-02	7.32E-02	2.49E-05	7.51E-05	4.35E-05	4.44E-05	4.02E-05	1.80E-05	1.83E-05	8.31E-07	2.01E-05	4.43E-06	6.02E-06	9.56E-06	1.65E-06	1.21E-06	4.38E-05
2870	489795.41	3859349.72	6.62E-02	6.76E-02	6.75E-02	2.29E-05	6.92E-05	4.01E-05	4.09E-05	3.71E-05	1.66E-05	1.69E-05	7.65E-07	1.85E-05	4.08E-06	5.55E-06	8.81E-06	1.52E-06	1.11E-06	4.03E-05
2871	489595.05	3859219.43	5.55E-02	5.66E-02	5.65E-02	1.92E-05	5.80E-05	3.36E-05	3.42E-05	3.10E-05	1.39E-05	1.41E-05	6.41E-07	1.55E-05	3.42E-06	4.65E-06	7.38E-06	1.27E-06	9.33E-07	3.38E-05
2872	489615.05	3859219.43	5.19E-02	5.30E-02	5.29E-02	1.80E-05	5.42E-05	3.14E-05	3.20E-05	2.90E-05	1.30E-05	1.32E-05	6.00E-07	1.45E-05	3.20E-06	4.35E-06	6.90E-06	1.19E-06	8.73E-07	3.16E-05
2873	489595.05	3859239.43	6.39E-02	6.52E-02	6.51E-02	2.21E-05	6.67E-05	3.86E-05	3.94E-05	3.57E-05	1.60E-05	1.63E-05	7.38E-07	1.78E-05	3.93E-06	5.35E-06	8.49E-06	1.47E-06	1.07E-06	3.89E-05
2874	489615.05	3859239.43	5.92E-02	6.04E-02	6.04E-02	2.05E-05	6.19E-05	3.58E-05	3.66E-05	3.31E-05	1.48E-05	1.51E-05	6.84E-07	1.65E-05	3.65E-06	4.96E-06	7.87E-06	1.36E-06	9.96E-07	3.61E-05
2875	489372.4	3859092.58	5.04E-02	5.14E-02	5.13E-02	1.74E-05	5.26E-05	3.05E-05	3.11E-05	2.82E-05	1.26E-05	1.28E-05	5.82E-07	1.41E-05	3.10E-06	4.22E-06	6.70E-06	1.16E-06	8.47E-07	3.07E-05
2876	489422.4	3859092.58	4.31E-02	4.39E-02	4.39E-02	1.49E-05	4.50E-05	2.61E-05	2.66E-05	2.41E-05	1.08E-05	1.10E-05	4.98E-07	1.20E-05	2.65E-06	3.61E-06	5.73E-06	9.89E-07	7.24E-07	2.62E-05
2877	489372.4	3859142.58	7.36E-02	7.51E-02	7.50E-02	2.55E-05	7.69E-05	4.45E-05	4.55E-05	4.12E-05	1.84E-05	1.88E-05	8.51E-07	2.06E-05	4.54E-06	6.17E-06	9.79E-06	1.69E-06	1.24E-06	4.48E-05
2878	489422.4	3859142.58	5.98E-02	6.10E-02	6.10E-02	2.07E-05	6.25E-05	3.62E-05	3.69E-05	3.35E-05	1.50E-05	1.53E-05	6.91E-07	1.67E-05	3.69E-06	5.01E-06	7.95E-06	1.37E-06	1.01E-06	3.64E-05
2879	488870.84	3858666.64	4.20E-03	4.29E-03	4.28E-03	1.45E-06	4.39E-06	2.54E-06	2.59E-06	2.35E-06	1.05E-06	1.07E-06	4.86E-08	1.17E-06	2.59E-07	3.52E-07	5.59E-07	9.65E-08	7.07E-08	2.56E-06
2880	488900.84	3858666.64	4.20E-03	4.29E-03	4.28E-03	1.45E-06	4.39E-06	2.54E-06	2.59E-06	2.35E-06	1.05E-06	1.07E-06	4.86E-08	1.17E-06	2.59E-07	3.52E-07	5.59E-07	9.65E-08	7.07E-08	2.56E-06
2881	488870.84	3858696.64	4.67E-03	4.77E-03	4.76E-03	1.62E-06	4.88E-06	2.83E-06	2.88E-06	2.61E-06	1.17E-06	1.19E-06	5.40E-08	1.30E-06	2.88E-07	3.92E-07	6.21E-07	1.07E-07	7.86E-08	2.85E-06
2882	488900.84	3858696.64	4.67E-03	4.77E-03	4.76E-03	1.62E-06	4.88E-06	2.83E-06	2.89E-06	2.62E-06	1.17E-06	1.19E-06	5.40E-08	1.30E-06	2.88E-07	3.92E-07	6.21E-07	1.07E-07	7.86E-08	2.85E-06
2883	488889.67	3858683.97	4.46E-03	4.55E-03	4.55E-03	1.54E-06	4.66E-06	2.70E-06	2.75E-06	2.50E-06	1.12E-06	1.14E-06	5.16E-08	1.25E-06	2.75E-07	3.74E-07	5.93E-07	1.02E-07	7.51E-08	2.72E-06
2884	488919.67	3858683.97	4.46E-03	4.55E-03	4.54E-03	1.54E-06	4.66E-06	2.70E-06	2.75E-06	2.50E-06	1.12E-06	1.14E-06	5.15E-08	1.24E-06	2.75E-07	3.74E-07	5.93E-07	1.02E-07	7.50E-08	2.71E-06
2885	488889.67	3858713.97	5.01E-03	5.11E-03	5.10E-03	1.73E-06	5.23E-06	3.03E-06	3.09E-06	2.80E-06	1.25E-06	1.28E-06	5.79E-08	1.40E-06	3.08E-07	4.20E-07	6.66E-07	1.15E-07	8.42E-08	3.05E-06
2886	488919.67	3858713.97	5.00E-03	5.11E-03	5.10E-03	1.73E-06	5.23E-06	3.03E-06	3.09E-06	2.80E-06	1.25E-06	1.28E-06	5.78E-08	1.40E-06	3.08E-07	4.19E-07	6.65E-07	1.15E-07	8.42E-08	3.05E-06
2887	488906.61	3858703.33	4.79E-03	4.89E-03	4.89E-03	1.66E-06	5.01E-06	2.90E-06	2.96E-06	2.68E-06	1.20E-06	1.22E-06	5.54E-08	1.34E-06	2.95E-07	4.02E-07	6.38E-07	1.10E-07	8.07E-08	2.92E-06
2888	488936.61	3858703.33	4.79E-03	4.89E-03	4.88E-03	1.66E-06	5.01E-06	2.90E-06	2.96E-06	2.68E-06	1.20E-06	1.22E-06	5.54E-08	1.34E-06	2.95E-07	4.02E-07	6.37E-07	1.10E-07	8.06E-08	2.92E-06
2889	488906.61	3858733.33	5.45E-03	5.56E-03	5.55E-03	1.89E-06	5.69E-06	3.30E-06	3.36E-06	3.05E-06	1.36E-06	1.39E-06	6.30E-08	1.52E-06	3.36E-07	4.57E-07	7.24E-07	1.25E-07	9.17E-08	3.32E-06
2890	488936.61	3858733.33	5.45E-03	5.56E-03	5.55E-03	1.89E-06	5.69E-06	3.30E-06	3.36E-06	3.05E-06	1.36E-06	1.39E-06	6.30E-08	1.52E-06	3.36E-07	4.57E-07	7.25E-07	1.25E-07	9.17E-08	3.32E-06
2891	488637.63	3858467.85	2.53E-03	2.58E-03	2.58E-03	8.75E-07	2.64E-06	1.53E-06	1.56E-06	1.41E-06	6.33E-07	6.45E-07	2.92E-08	7.06E-07	1.56E-07	2.12E-07	3.36E-07	5.81E-08	4.25E-08	1.54E-06
2892	488662.63	3858467.85	2.54E-03	2.59E-03	2.59E-03	8.79E-07	2.65E-06	1.54E-06	1.57E-06	1.42E-06	6.35E-07	6.48E-07	2.93E-08	7.09E-07	1.56E-07	2.13E-07	3.38E-07	5.83E-08	4.27E-08	1.55E-06
2893	488637.63	3858492.85	2.64E-03	2.69E-03	2.69E-03	9.13E-07	2.76E-06	1.60E-06	1.63E-06	1.48E-06	6.60E-07	6.72E-07	3.05E-08	7.36E-07	1.62E-07	2.21E-07	3.51E-07	6.06E-08	4.44E-08	1.61E-06
2894	488662.63	3858492.85	2.65E-03	2.71E-03	2.70E-03	9.18E-07	2.77E-06	1.60E-06	1.64E-06	1.48E-06	6.63E-07	6.76E-07	3.06E-08	7.40E-07	1.63E-07	2.22E-07	3.53E-07	6.09E-08	4.46E-08	1.61E-06
2895	488687.63	3858492.85	2.66E-03	2.72E-03	2.71E-03	9.22E-07	2.78E-06	1.61E-06	1.64E-06	1.49E-06	6.66E-07	6.79E-07	3.08E-08	7.43E-07	1.64E-07	2.23E-07	3.54E-07	6.12E-08	4.48E-08	1.62E-06
2896	488637.63	3858517.85	2.75E-03	2.81E-03	2.81E-03	9.53E-07	2.88E-06	1.67E-06	1.70E-06	1.54E-06	6.89E-07	7.02E-07	3.18E-08	7.69E-07	1.70E-07	2.31E-07	3.66E-07	6.32E-08	4.63E-08	1.68E-06
2897	488662.63	3858517.85	2.77E-03	2.83E-03	2.83E-03	9.60E-07	2.90E-06	1.68E-06	1.71E-06	1.55E-06	6.94E-07	7.08E-07	3.21E-08	7.75E-07	1.71E-07	2.33E-07	3.69E-07	6.37E-08	4.67E-08	1.69E-06
2898	488687.63	3858517.85	2.79E-03	2.85E-03	2.84E-03	9.65E-07	2.92E-06	1.69E-06	1.72E-06	1.56E-06	6.98E-07	7.11E-07	3.22E-08	7.79E-07	1.72E-07	2.34E-07	3.71E-07	6.41E-08	4.69E-08	1.70E-06
2899	488194.42	3857168.98	9.63E-04	9.82E-04	9.81E-04	3.33E-07	1.01E-06	5.82E-07	5.94E-07	5.39E-07	2.41E-07	2.46E-07	1.11E-08	2.69E-07	5.93E-08	8.07E-08	1.28E-07	2.21E-08	1.62E-08	5.86E-07
2900	488244.42	3857168.98	9.67E-04	9.87E-04	9.86E-04	3.35E-07	1.01E-06	5.85E-07	5.97E-07	5.41E-07	2.42E-07	2.47E-07	1.12E-08	2.70E-07	5.96E-08	8.11E-08	1.29E-07	2.22E-08	1.63E-08	5.89E-07

2901	488294.42	3857168.98	9.70E-04	9.90E-04	9.88E-04	3.36E-07	1.01E-06	5.87E-07	5.99E-07	5.43E-07	2.43E-07	2.47E-07	1.12E-08	2.71E-07	5.97E-08	8.13E-08	1.29E-07	2.23E-08	1.63E-08	5.91E-07
2902	488244.42	3857218.98	9.75E-04	9.95E-04	9.94E-04	3.38E-07	1.02E-06	5.90E-07	6.02E-07	5.46E-07	2.44E-07	2.49E-07	1.13E-08	2.72E-07	6.01E-08	8.18E-08	1.30E-07	2.24E-08	1.64E-08	5.94E-07
2903	488294.42	3857218.98	9.79E-04	9.99E-04	9.98E-04	3.39E-07	1.02E-06	5.93E-07	6.05E-07	5.48E-07	2.45E-07	2.50E-07	1.13E-08	2.73E-07	6.03E-08	8.21E-08	1.30E-07	2.25E-08	1.65E-08	5.96E-07
2904	488294.42	3857268.98	9.91E-04	1.01E-03	1.01E-03	3.43E-07	1.04E-06	5.99E-07	6.12E-07	5.54E-07	2.48E-07	2.53E-07	1.15E-08	2.77E-07	6.10E-08	8.30E-08	1.32E-07	2.28E-08	1.67E-08	6.03E-07
2905	488139.13	3857111.68	9.51E-04	9.71E-04	9.69E-04	3.29E-07	9.94E-07	5.76E-07	5.87E-07	5.32E-07	2.38E-07	2.43E-07	1.10E-08	2.66E-07	5.86E-08	7.97E-08	1.26E-07	2.18E-08	1.60E-08	5.79E-07
2906	488189.13	3857111.68	9.56E-04	9.76E-04	9.75E-04	3.31E-07	1.00E-06	5.79E-07	5.91E-07	5.35E-07	2.39E-07	2.44E-07	1.11E-08	2.67E-07	5.89E-08	8.02E-08	1.27E-07	2.20E-08	1.61E-08	5.82E-07
2907	488189.13	3857161.68	9.61E-04	9.81E-04	9.80E-04	3.33E-07	1.00E-06	5.82E-07	5.93E-07	5.38E-07	2.41E-07	2.45E-07	1.11E-08	2.68E-07	5.92E-08	8.06E-08	1.28E-07	2.21E-08	1.62E-08	5.85E-07
2908	487951.04	3856961.26	9.28E-04	9.47E-04	9.46E-04	3.21E-07	9.70E-07	5.62E-07	5.73E-07	5.20E-07	2.32E-07	2.37E-07	1.07E-08	2.59E-07	5.72E-08	7.78E-08	1.23E-07	2.13E-08	1.56E-08	5.65E-07
2909	488001.04	3856961.26	9.31E-04	9.50E-04	9.48E-04	3.22E-07	9.73E-07	5.63E-07	5.75E-07	5.21E-07	2.33E-07	2.37E-07	1.08E-08	2.60E-07	5.73E-08	7.80E-08	1.24E-07	2.14E-08	1.57E-08	5.67E-07
2910	488051.04	3856961.26	9.29E-04	9.48E-04	9.47E-04	3.22E-07	9.71E-07	5.62E-07	5.74E-07	5.20E-07	2.33E-07	2.37E-07	1.07E-08	2.59E-07	5.72E-08	7.79E-08	1.24E-07	2.13E-08	1.56E-08	5.66E-07
2911	488101.04	3856961.26	9.34E-04	9.53E-04	9.52E-04	3.23E-07	9.76E-07	5.65E-07	5.77E-07	5.23E-07	2.34E-07	2.38E-07	1.08E-08	2.61E-07	5.76E-08	7.83E-08	1.24E-07	2.15E-08	1.57E-08	5.69E-07
2912	487951.04	3857011.26	9.35E-04	9.54E-04	9.53E-04	3.24E-07	9.77E-07	5.66E-07	5.77E-07	5.23E-07	2.34E-07	2.38E-07	1.08E-08	2.61E-07	5.76E-08	7.84E-08	1.24E-07	2.15E-08	1.57E-08	5.69E-07
2913	488001.04	3857011.26	9.34E-04	9.53E-04	9.52E-04	3.23E-07	9.77E-07	5.65E-07	5.77E-07	5.23E-07	2.34E-07	2.38E-07	1.08E-08	2.61E-07	5.76E-08	7.83E-08	1.24E-07	2.15E-08	1.57E-08	5.69E-07
2914	488051.04	3857011.26	9.34E-04	9.53E-04	9.52E-04	3.23E-07	9.76E-07	5.65E-07	5.77E-07	5.23E-07	2.34E-07	2.38E-07	1.08E-08	2.61E-07	5.75E-08	7.83E-08	1.24E-07	2.14E-08	1.57E-08	5.69E-07
2915	488101.04	3857011.26	9.39E-04	9.59E-04	9.57E-04	3.25E-07	9.82E-07	5.68E-07	5.80E-07	5.26E-07	2.35E-07	2.40E-07	1.09E-08	2.62E-07	5.79E-08	7.87E-08	1.25E-07	2.16E-08	1.58E-08	5.72E-07
2916	488001.04	3857061.26	9.40E-04	9.59E-04	9.58E-04	3.25E-07	9.82E-07	5.69E-07	5.80E-07	5.26E-07	2.35E-07	2.40E-07	1.09E-08	2.62E-07	5.79E-08	7.88E-08	1.25E-07	2.16E-08	1.58E-08	5.72E-07
2917	488051.04	3857061.26	9.42E-04	9.62E-04	9.60E-04	3.26E-07	9.85E-07	5.70E-07	5.82E-07	5.27E-07	2.36E-07	2.40E-07	1.09E-08	2.63E-07	5.81E-08	7.90E-08	1.25E-07	2.16E-08	1.59E-08	5.74E-07
2918	488101.04	3857061.26	9.46E-04	9.65E-04	9.64E-04	3.27E-07	9.88E-07	5.72E-07	5.84E-07	5.29E-07	2.37E-07	2.41E-07	1.09E-08	2.64E-07	5.83E-08	7.93E-08	1.26E-07	2.17E-08	1.59E-08	5.76E-07
2919	487638.98	3856673.79	8.95E-04	9.13E-04	9.12E-04	3.10E-07	9.36E-07	5.42E-07	5.53E-07	5.01E-07	2.24E-07	2.28E-07	1.03E-08	2.50E-07	5.52E-08	7.50E-08	1.19E-07	2.06E-08	1.51E-08	5.45E-07
2920	487688.98	3856673.79	8.98E-04	9.17E-04	9.16E-04	3.11E-07	9.39E-07	5.44E-07	5.55E-07	5.03E-07	2.25E-07	2.29E-07	1.04E-08	2.51E-07	5.54E-08	7.53E-08	1.19E-07	2.06E-08	1.51E-08	5.47E-07
2921	487638.98	3856723.79	8.97E-04	9.15E-04	9.14E-04	3.10E-07	9.37E-07	5.43E-07	5.54E-07	5.02E-07	2.24E-07	2.29E-07	1.04E-08	2.50E-07	5.52E-08	7.52E-08	1.19E-07	2.06E-08	1.51E-08	5.46E-07
2922	487688.98	3856723.79	9.00E-04	9.18E-04	9.17E-04	3.11E-07	9.40E-07	5.44E-07	5.55E-07	5.04E-07	2.25E-07	2.29E-07	1.04E-08	2.51E-07	5.54E-08	7.54E-08	1.20E-07	2.07E-08	1.51E-08	5.48E-07
2923	486324.61	3855740.57	9.74E-04	9.94E-04	9.93E-04	3.37E-07	1.02E-06	5.89E-07	6.01E-07	5.45E-07	2.44E-07	2.48E-07	1.13E-08	2.72E-07	6.00E-08	8.16E-08	1.30E-07	2.24E-08	1.64E-08	5.93E-07
2924	486374.61	3855740.57	9.61E-04	9.81E-04	9.80E-04	3.33E-07	1.00E-06	5.82E-07	5.94E-07	5.38E-07	2.41E-07	2.45E-07	1.11E-08	2.68E-07	5.92E-08	8.06E-08	1.28E-07	2.21E-08	1.62E-08	5.86E-07
2925	486424.61	3855740.57	9.57E-04	9.77E-04	9.75E-04	3.31E-07	1.00E-06	5.79E-07	5.91E-07	5.36E-07	2.40E-07	2.44E-07	1.11E-08	2.67E-07	5.90E-08	8.02E-08	1.27E-07	2.20E-08	1.61E-08	5.83E-07
2926	486324.61	3855790.57	9.64E-04	9.84E-04	9.83E-04	3.34E-07	1.01E-06	5.84E-07	5.95E-07	5.40E-07	2.41E-07	2.46E-07	1.11E-08	2.69E-07	5.94E-08	8.08E-08	1.28E-07	2.22E-08	1.62E-08	5.87E-07
2927	486374.61	3855790.57	9.53E-04	9.72E-04	9.71E-04	3.30E-07	9.96E-07	5.77E-07	5.88E-07	5.33E-07	2.38E-07	2.43E-07	1.10E-08	2.66E-07	5.87E-08	7.99E-08	1.27E-07	2.19E-08	1.60E-08	5.80E-07
2928	486424.61	3855790.57	9.51E-04	9.71E-04	9.69E-04	3.29E-07	9.94E-07	5.76E-07	5.87E-07	5.32E-07	2.38E-07	2.43E-07	1.10E-08	2.66E-07	5.86E-08	7.97E-08	1.26E-07	2.18E-08	1.60E-08	5.79E-07
2929	486324.61	3855840.57	9.55E-04	9.75E-04	9.74E-04	3.31E-07	9.98E-07	5.78E-07	5.90E-07	5.35E-07	2.39E-07	2.44E-07	1.10E-08	2.67E-07	5.89E-08	8.01E-08	1.27E-07	2.19E-08	1.61E-08	5.82E-07
2930	486374.61	3855840.57	9.52E-04	9.71E-04	9.70E-04	3.29E-07	9.95E-07	5.76E-07	5.88E-07	5.33E-07	2.38E-07	2.43E-07	1.10E-08	2.66E-07	5.86E-08	7.98E-08	1.27E-07	2.19E-08	1.60E-08	5.80E-07
2931	486424.61	3855840.57	9.46E-04	9.65E-04	9.64E-04	3.28E-07	9.89E-07	5.72E-07	5.84E-07	5.30E-07	2.37E-07	2.41E-07	1.09E-08	2.64E-07	5.83E-08	7.93E-08	1.26E-07	2.17E-08	1.59E-08	5.76E-07
2932	486324.61	3855890.57	9.55E-04	9.74E-04	9.73E-04	3.30E-07	9.98E-07	5.78E-07	5.89E-07	5.34E-07	2.39E-07	2.44E-07	1.10E-08	2.67E-07	5.88E-08	8.00E-08	1.27E-07	2.19E-08	1.61E-08	5.81E-07
2933	486374.61	3855890.57	9.50E-04	9.69E-04	9.68E-04	3.29E-07	9.93E-07	5.75E-07	5.86E-07	5.32E-07	2.38E-07	2.42E-07	1.10E-08	2.65E-07	5.85E-08	7.96E-08	1.26E-07	2.18E-08	1.60E-08	5.78E-07
2934	486424.61	3855890.57	9.43E-04	9.62E-04	9.61E-04	3.26E-07	9.86E-07	5.71E-07	5.82E-07	5.28E-07	2.36E-07	2.41E-07	1.09E-08	2.63E-07	5.81E-08	7.90E-08	1.25E-07	2.17E-08	1.59E-08	5.74E-07
2935	488735.69	3858285.64	1.96E-03	2.00E-03	2.00E-03	6.80E-07	2.05E-06	1.19E-06	1.21E-06	1.10E-06	4.92E-07	5.01E-07	2.27E-08	5.48E-07	1.21E-07	1.65E-07	2.61E-07	4.51E-08	3.30E-08	1.20E-06
2936	488765.69	3858285.64	1.97E-03	2.01E-03	2.01E-03	6.82E-07	2.06E-06	1.19E-06	1.22E-06	1.10E-06	4.93E-07	5.03E-07	2.28E-08	5.50E-07	1.21E-07	1.65E-07	2.62E-07	4.52E-08	3.31E-08	1.20E-06
2937	488735.69	3858315.64	2.04E-03	2.08E-03	2.08E-03	7.06E-07	2.13E-06	1.23E-06	1.26E-06	1.14E-06	5.10E-07	5.20E-07	2.36E-08	5.70E-07	1.26E-07	1.71E-07	2.71E-07	4.68E-08	3.43E-08	1.24E-06
2938	488765.69	3858315.64	2.05E-03	2.09E-03	2.09E-03	7.08E-07	2.14E-06	1.24E-06	1.26E-06	1.15E-06	5.12E-07	5.22E-07	2.36E-08	5.71E-07	1.26E-07	1.72E-07	2.72E-07	4.70E-08	3.44E-08	1.25E-06
2939	478676.63	3849871.93	2.13E-02	2.17E-02	2.17E-02	7.36E-06	2.22E-05	1.29E-05	1.31E-05	1.19E-05	5.32E-06	5.42E-06	2.46E-07	5.94E-06	1.31E-06	1.78E-06	2.83E-06	4.88E-07	3.58E-07	1.29E-05
2940	479326.63	3849871.93	1.31E-02	1.34E-02	1.34E-02	4.54E-06	1.37E-05	7.93E-06	8.09E-06	7.33E-06	3.28E-06	3.34E-06	1.51E-07	3.66E-06	8.07E-07	1.10E-06	1.74E-06	3.01E-07	2.20E-07	7.98E-06
2941	479376.63	3849871.93	1.27E-02	1.30E-02	1.30E-02	4.40E-06	1.33E-05	7.70E-06	7.85E-06	7.12E-06	3.18E-06	3.24E-06	1.47E-07	3.55E-06	7.84E-07	1.07E-06	1.69E-06	2.92E-07	2.14E-07	7.75E-06
2942	479426.63	3849871.93	1.24E-02	1.27E-02	1.27E-02	4.31E-06	1.30E-05	7.53E-06	7.68E-06	6.96E-06	3.11E-06	3.17E-06	1.44E-07	3.47E-06	7.66E-07	1.04E-06	1.65E-06	2.86E-07	2.09E-07	7.58E-06
2943	478726.63	3849921.93	2.22E-02	2.27E-02	2.27E-02	7.70E-06	2.32E-05	1.35E-05	1.37E-05	1.24E-05	5.57E-06	5.67E-06	2.57E-07	6.21E-06	1.37E-06	1.86E-06	2.96E-06	5.11E-07	3.74E-07	1.35E-05
2944	478776.63	3849921.93	2.13E-02	2.17E-02	2.17E-02	7.38E-06	2.23E-05	1.29E-05	1.32E-05	1.19E-05	5.33E-06	5.43E-06	2.46E-07	5.95E-06	1.31E-06	1.79E-06	2.83E-06	4.89E-07	3.58E-07	1.30E-05
2945	478826.63	3849921.93	2.04E-02	2.08E-02	2.08E-02	7.07E-06	2.13E-05	1.24E-05	1.26E-05	1.14E-05	5.11E-06	5.21E-06	2.36E-07	5.70E-06	1.26E-06	1.71E-06	2.72E-06	4.69E-07	3.44E-07	1.24E-05
2946	478976.63	3849921.93	1.81E-02	1.85E-02	1.85E-02	6.27E-06	1.89E-05	1.10E-05	1.12E-05	1.01E-05	4.53E-06	4.62E-06	2.09E-07	5.06E-06	1.12E-06	1.52E-06	2.41E-06	4.16E-07	3.05E-07	1.10E-05
2947	479026.63	3849921.93	1.75E-02	1.79E-02	1.79E-02	6.07E-06	1.83E-05	1.06E-05	1.08E-05	9.82E-06	4.39E-06	4.47E-06	2.03E-07	4.90E-06	1.08E-06	1.47E-06	2.33E-06	4.03E-07	2.95E-07	1.07E-05
2948	479076.63	3849921.93	1.69E-02	1.73E-02	1.73E-02	5.86E-06	1.77E-05	1.02E-05	1.05E-05	9.48E-06	4.24E-06	4.32E-06	1.96E-07	4.73E-06	1.04E-06	1.42E-06	2.25E-06	3.89E-07	2.85E-07	1.03E-05
2949	479126.63	3849921.93	1.63E-02	1.67E-02	1.67E-02	5.66E-06	1.71E-05	9.89E-06	1.01E-05	9.14E-06	4.09E-06	4.17E-06	1.89E-07	4.56E-06	1.01E-06	1.37E-06	2.17E-06	3.75E-07	2.75E-07	9.95E-06
2950	479176.63	3849921.93	1.58E-02	1.62E-02	1.61E-02	5.48E-06	1.66E-05	9.58E-06	9.78E-06	8.86E-06	3.96E-06	4.04E-06	1.83E-07	4.42E-06	9.76E-07	1.33E-06	2.11E-06	3.64E-07	2.66E-07	9.64E-06
2951	479226.63	3849921.93	1.52E-02	1.55E-02	1.55E-02	5.26E-06	1.59E-05	9.19E-06	9.38E-06	8.50E-06	3.80E-06	3.87E-06	1.76E-07	4.24E-06	9.36E-07	1.27E-06	2.02E-06	3.49E-07	2.56E-07	9.25E-06
2952	479276.63	3849921.93	1.43E-02	1.46E-02	1.46E-02	4.96E-06	1.50E-05	8.67E-06	8.84E-06	8.02E-06	3.58E-06	3.65E-06	1.66E-07	4.00E-06	8.83E-07	1.20E-06	1.90E-06	3.29E-07	2.41E-07	8.72E-06
2953	479326.63	3849921.93	1.43E-02	1.46E-02	1.46E-02	4.95E-06	1.50E-05	8.66E-06	8.84E-06	8.01E-06	3.58E-06	3.65E-06	1.65E-07	4.00E-06	8.82E-07	1.20E-06	1.90E-06	3.29E-07	2.41E-07	8.72E-06
2954	479376.63	3849921.93	1.35E-02	1.38E-02	1.38E-02	4.68E-06	1.41E-05	8.19E-06	8.35E-06	7.57E-06	3.39E-06	3.45E-06	1.56E-07	3.78E-06	8.33E-07	1.13E-06	1.80E-06	3.11E-07	2.28E-07	8.24E-06
2955	479426.63	3849921.93	1.34E-02	1.37E-02	1.37E-02	4.64E-06	1.40E-05	8.11E-06	8.27E-06	7.50E-06	3.35E-06	3.42E-06	1.55E-07	3.74E-06	8.26E-07	1.12E-06	1.78E-06	3.08E-07	2.25E-07	8.16E-06
2956	478726.63	3849971.93	2.44E-02	2.49E-02	2.49E-02	8.45E-06	2.55E-05	1.48E-05	1.51E-05	1.37E-05	6.11E-06	6.23E-06	2.82E-07	6.82E-06	1.50E-06	2.05E-06	3.25E-06	5.61E-07	4.11E-07	1.49E-05
2957	478776.63	3849971.93	2.33E-02	2.38E-02	2.37E-02	8.06E-06	2.43E-05	1.41E-05	1.44E-05	1.30E-05	5.83E-06	5.94E-06	2.69E-07	6.50E-06	1.44E-06	1.95E-06	3.10E-06	5.35E-07	3.92E-07	1.42E-05

2958	478826.63	3849971.93	2.23E-02	2.27E-02	2.27E-02	7.70E-06	2.33E-05	1.35E-05	1.37E-05	1.25E-05	5.57E-06	5.68E-06	2.57E-07	6.21E-06	1.37E-06	1.87E-06	2.96E-06	5.11E-07	3.74E-07	1.36E-05
2959	478976.63	3849971.93	1.97E-02	2.01E-02	2.01E-02	6.82E-06	2.06E-05	1.19E-05	1.22E-05	1.10E-05	4.93E-06	5.02E-06	2.28E-07	5.50E-06	1.21E-06	1.65E-06	2.62E-06	4.52E-07	3.31E-07	1.20E-05
2960	479026.63	3849971.93	1.89E-02	1.93E-02	1.93E-02	6.54E-06	1.98E-05	1.14E-05	1.17E-05	1.06E-05	4.73E-06	4.82E-06	2.19E-07	5.28E-06	1.16E-06	1.58E-06	2.51E-06	4.34E-07	3.18E-07	1.15E-05
2961	479076.63	3849971.93	1.82E-02	1.85E-02	1.85E-02	6.29E-06	1.90E-05	1.10E-05	1.12E-05	1.02E-05	4.55E-06	4.64E-06	2.10E-07	5.07E-06	1.12E-06	1.52E-06	2.42E-06	4.17E-07	3.06E-07	1.11E-05
2962	479126.63	3849971.93	1.75E-02	1.79E-02	1.79E-02	6.06E-06	1.83E-05	1.06E-05	1.08E-05	9.80E-06	4.38E-06	4.47E-06	2.02E-07	4.89E-06	1.08E-06	1.47E-06	2.33E-06	4.02E-07	2.95E-07	1.07E-05
2963	479176.63	3849971.93	1.69E-02	1.73E-02	1.73E-02	5.86E-06	1.77E-05	1.02E-05	1.05E-05	9.47E-06	4.24E-06	4.32E-06	1.96E-07	4.73E-06	1.04E-06	1.42E-06	2.25E-06	3.89E-07	2.85E-07	1.03E-05
2964	479226.63	3849971.93	1.59E-02	1.62E-02	1.62E-02	5.49E-06	1.66E-05	9.59E-06	9.79E-06	8.87E-06	3.97E-06	4.04E-06	1.83E-07	4.43E-06	9.77E-07	1.33E-06	2.11E-06	3.64E-07	2.67E-07	9.65E-06
2965	479276.63	3849971.93	1.57E-02	1.60E-02	1.60E-02	5.42E-06	1.64E-05	9.48E-06	9.67E-06	8.77E-06	3.92E-06	4.00E-06	1.81E-07	4.37E-06	9.65E-07	1.31E-06	2.08E-06	3.60E-07	2.64E-07	9.54E-06
2966	479326.63	3849971.93	1.54E-02	1.57E-02	1.57E-02	5.32E-06	1.61E-05	9.30E-06	9.49E-06	8.61E-06	3.85E-06	3.92E-06	1.78E-07	4.29E-06	9.48E-07	1.29E-06	2.05E-06	3.53E-07	2.59E-07	9.37E-06
2967	479376.63	3849971.93	1.46E-02	1.49E-02	1.49E-02	5.06E-06	1.53E-05	8.84E-06	9.02E-06	8.18E-06	3.66E-06	3.73E-06	1.69E-07	4.08E-06	9.00E-07	1.22E-06	1.94E-06	3.36E-07	2.46E-07	8.90E-06
2968	479426.63	3849971.93	1.43E-02	1.46E-02	1.45E-02	4.94E-06	1.49E-05	8.64E-06	8.81E-06	7.99E-06	3.57E-06	3.64E-06	1.65E-07	3.98E-06	8.79E-07	1.20E-06	1.90E-06	3.28E-07	2.40E-07	8.69E-06
2969	478726.63	3850021.93	2.71E-02	2.76E-02	2.76E-02	9.37E-06	2.83E-05	1.64E-05	1.67E-05	1.51E-05	6.77E-06	6.90E-06	3.13E-07	7.55E-06	1.67E-06	2.27E-06	3.60E-06	6.21E-07	4.55E-07	1.65E-05
2970	478776.63	3850021.93	2.57E-02	2.62E-02	2.62E-02	8.89E-06	2.68E-05	1.55E-05	1.59E-05	1.44E-05	6.43E-06	6.55E-06	2.97E-07	7.17E-06	1.58E-06	2.15E-06	3.41E-06	5.90E-07	4.32E-07	1.56E-05
2971	478826.63	3850021.93	2.44E-02	2.49E-02	2.49E-02	8.46E-06	2.55E-05	1.48E-05	1.51E-05	1.37E-05	6.12E-06	6.23E-06	2.83E-07	6.82E-06	1.51E-06	2.05E-06	3.25E-06	5.61E-07	4.11E-07	1.49E-05
2972	478976.63	3850021.93	2.14E-02	2.18E-02	2.18E-02	7.40E-06	2.23E-05	1.29E-05	1.32E-05	1.20E-05	5.35E-06	5.45E-06	2.47E-07	5.97E-06	1.32E-06	1.79E-06	2.84E-06	4.91E-07	3.60E-07	1.30E-05
2973	478726.63	3850071.93	3.04E-02	3.10E-02	3.10E-02	1.05E-05	3.18E-05	1.84E-05	1.88E-05	1.70E-05	7.60E-06	7.75E-06	3.51E-07	8.48E-06	1.87E-06	2.55E-06	4.04E-06	6.98E-07	5.11E-07	1.85E-05
2974	478776.63	3850071.93	2.86E-02	2.92E-02	2.92E-02	9.91E-06	2.99E-05	1.73E-05	1.77E-05	1.60E-05	7.17E-06	7.31E-06	3.31E-07	8.00E-06	1.76E-06	2.40E-06	3.81E-06	6.58E-07	4.82E-07	1.74E-05
2975	478826.63	3850071.93	2.71E-02	2.77E-02	2.76E-02	9.39E-06	2.83E-05	1.64E-05	1.67E-05	1.52E-05	6.79E-06	6.92E-06	3.13E-07	7.57E-06	1.67E-06	2.27E-06	3.61E-06	6.23E-07	4.56E-07	1.65E-05
2976	478876.63	3850071.93	2.57E-02	2.63E-02	2.62E-02	8.91E-06	2.69E-05	1.56E-05	1.59E-05	1.44E-05	6.44E-06	6.57E-06	2.98E-07	7.19E-06	1.59E-06	2.16E-06	3.42E-06	5.91E-07	4.33E-07	1.57E-05
2977	478976.63	3850071.93	2.34E-02	2.39E-02	2.38E-02	8.10E-06	2.44E-05	1.42E-05	1.44E-05	1.31E-05	5.85E-06	5.97E-06	2.70E-07	6.53E-06	1.44E-06	1.96E-06	3.11E-06	5.37E-07	3.94E-07	1.42E-05
2978	478726.63	3850121.93	3.47E-02	3.54E-02	3.54E-02	1.20E-05	3.63E-05	2.10E-05	2.14E-05	1.94E-05	8.69E-06	8.86E-06	4.01E-07	9.70E-06	2.14E-06	2.91E-06	4.62E-06	7.98E-07	5.84E-07	2.11E-05
2979	478776.63	3850121.93	3.24E-02	3.31E-02	3.30E-02	1.12E-05	3.39E-05	1.96E-05	2.00E-05	1.81E-05	8.11E-06	8.27E-06	3.75E-07	9.05E-06	2.00E-06	2.72E-06	4.31E-06	7.44E-07	5.45E-07	1.97E-05
2980	478826.63	3850121.93	3.04E-02	3.11E-02	3.10E-02	1.05E-05	3.18E-05	1.84E-05	1.88E-05	1.70E-05	7.62E-06	7.76E-06	3.52E-07	8.50E-06	1.88E-06	2.55E-06	4.05E-06	6.99E-07	5.12E-07	1.85E-05
2981	478876.63	3850121.93	2.87E-02	2.93E-02	2.93E-02	9.94E-06	3.00E-05	1.74E-05	1.77E-05	1.61E-05	7.19E-06	7.32E-06	3.32E-07	8.02E-06	1.77E-06	2.41E-06	3.82E-06	6.59E-07	4.83E-07	1.75E-05
2982	478976.63	3850121.93	2.58E-02	2.63E-02	2.63E-02	8.93E-06	2.70E-05	1.56E-05	1.59E-05	1.44E-05	6.45E-06	6.58E-06	2.98E-07	7.20E-06	1.59E-06	2.16E-06	3.43E-06	5.92E-07	4.34E-07	1.57E-05
2983	479026.63	3850121.93	2.46E-02	2.51E-02	2.50E-02	8.50E-06	2.57E-05	1.49E-05	1.52E-05	1.37E-05	6.15E-06	6.26E-06	2.84E-07	6.86E-06	1.51E-06	2.06E-06	3.27E-06	5.64E-07	4.13E-07	1.50E-05
2984	479076.63	3850121.93	2.34E-02	2.39E-02	2.39E-02	8.11E-06	2.45E-05	1.42E-05	1.45E-05	1.31E-05	5.86E-06	5.98E-06	2.71E-07	6.54E-06	1.44E-06	1.96E-06	3.12E-06	5.38E-07	3.94E-07	1.43E-05
2985	479126.63	3850121.93	2.24E-02	2.28E-02	2.28E-02	7.75E-06	2.34E-05	1.35E-05	1.38E-05	1.25E-05	5.60E-06	5.71E-06	2.59E-07	6.25E-06	1.38E-06	1.88E-06	2.98E-06	5.14E-07	3.77E-07	1.36E-05
2986	478776.63	3850171.93	3.75E-02	3.83E-02	3.82E-02	1.30E-05	3.92E-05	2.27E-05	2.32E-05	2.10E-05	9.39E-06	9.57E-06	4.34E-07	1.05E-05	2.31E-06	3.14E-06	4.99E-06	8.62E-07	6.31E-07	2.28E-05
2987	478826.63	3850171.93	3.48E-02	3.56E-02	3.55E-02	1.21E-05	3.64E-05	2.11E-05	2.15E-05	1.95E-05	8.72E-06	8.89E-06	4.03E-07	9.73E-06	2.15E-06	2.92E-06	4.63E-06	8.00E-07	5.86E-07	2.12E-05
2988	478876.63	3850171.93	3.25E-02	3.32E-02	3.32E-02	1.13E-05	3.40E-05	1.97E-05	2.01E-05	1.82E-05	8.14E-06	8.30E-06	3.76E-07	9.09E-06	2.01E-06	2.73E-06	4.33E-06	7.47E-07	5.48E-07	1.98E-05
2989	478976.63	3850171.93	2.88E-02	2.94E-02	2.93E-02	9.97E-06	3.01E-05	1.74E-05	1.78E-05	1.61E-05	7.21E-06	7.34E-06	3.33E-07	8.04E-06	1.77E-06	2.41E-06	3.83E-06	6.61E-07	4.84E-07	1.75E-05
2990	479026.63	3850171.93	2.72E-02	2.78E-02	2.78E-02	9.43E-06	2.85E-05	1.65E-05	1.68E-05	1.52E-05	6.82E-06	6.95E-06	3.15E-07	7.61E-06	1.68E-06	2.28E-06	3.62E-06	6.26E-07	4.58E-07	1.66E-05
2991	479076.63	3850171.93	2.59E-02	2.64E-02	2.64E-02	8.96E-06	2.71E-05	1.57E-05	1.60E-05	1.45E-05	6.48E-06	6.60E-06	2.99E-07	7.23E-06	1.59E-06	2.17E-06	3.44E-06	5.94E-07	4.36E-07	1.58E-05
2992	479126.63	3850171.93	2.46E-02	2.51E-02	2.51E-02	8.52E-06	2.57E-05	1.49E-05	1.52E-05	1.38E-05	6.16E-06	6.28E-06	2.85E-07	6.87E-06	1.52E-06	2.06E-06	3.27E-06	5.65E-07	4.14E-07	1.50E-05
2993	479176.63	3850171.93	2.35E-02	2.40E-02	2.40E-02	8.14E-06	2.46E-05	1.42E-05	1.45E-05	1.32E-05	5.88E-06	6.00E-06	2.72E-07	6.56E-06	1.45E-06	1.97E-06	3.13E-06	5.40E-07	3.95E-07	1.43E-05
2994	479226.63	3850171.93	2.25E-02	2.30E-02	2.30E-02	7.81E-06	2.36E-05	1.36E-05	1.39E-05	1.26E-05	5.64E-06	5.75E-06	2.61E-07	6.30E-06	1.39E-06	1.89E-06	3.00E-06	5.18E-07	3.79E-07	1.37E-05
2995	479276.63	3850171.93	2.16E-02	2.21E-02	2.20E-02	7.48E-06	2.26E-05	1.31E-05	1.33E-05	1.21E-05	5.41E-06	5.51E-06	2.50E-07	6.04E-06	1.33E-06	1.81E-06	2.87E-06	4.96E-07	3.64E-07	1.32E-05
2996	479326.63	3850171.93	2.08E-02	2.12E-02	2.12E-02	7.20E-06	2.17E-05	1.26E-05	1.28E-05	1.16E-05	5.20E-06	5.30E-06	2.40E-07	5.81E-06	1.28E-06	1.74E-06	2.76E-06	4.78E-07	3.50E-07	1.27E-05
2997	479376.63	3850171.93	1.99E-02	2.03E-02	2.03E-02	6.90E-06	2.08E-05	1.21E-05	1.23E-05	1.12E-05	4.99E-06	5.09E-06	2.30E-07	5.57E-06	1.23E-06	1.67E-06	2.65E-06	4.58E-07	3.35E-07	1.21E-05
2998	478676.63	3850221.93	5.67E-02	5.79E-02	5.78E-02	1.96E-05	5.93E-05	3.43E-05	3.50E-05	3.18E-05	1.42E-05	1.45E-05	6.56E-07	1.58E-05	3.50E-06	4.76E-06	7.54E-06	1.30E-06	9.55E-07	3.45E-05
2999	478726.63	3850221.93	5.00E-02	5.10E-02	5.09E-02	1.73E-05	5.22E-05	3.02E-05	3.09E-05	2.80E-05	1.25E-05	1.28E-05	5.78E-07	1.40E-05	3.08E-06	4.19E-06	6.65E-06	1.15E-06	8.41E-07	3.04E-05
3000	478976.63	3850221.93	3.26E-02	3.33E-02	3.32E-02	1.13E-05	3.41E-05	1.97E-05	2.01E-05	1.83E-05	8.16E-06	8.32E-06	3.77E-07	9.11E-06	2.01E-06	2.73E-06	4.34E-06	7.49E-07	5.49E-07	1.99E-05
3001	479026.63	3850221.93	3.06E-02	3.12E-02	3.12E-02	1.06E-05	3.20E-05	1.85E-05	1.89E-05	1.71E-05	7.66E-06	7.80E-06	3.54E-07	8.54E-06	1.88E-06	2.56E-06	4.07E-06	7.03E-07	5.15E-07	1.86E-05
3002	479076.63	3850221.93	2.89E-02	2.95E-02	2.94E-02	1.00E-05	3.02E-05	1.75E-05	1.78E-05	1.62E-05	7.23E-06	7.37E-06	3.34E-07	8.06E-06	1.78E-06	2.42E-06	3.84E-06	6.63E-07	4.86E-07	1.76E-05
3003	479126.63	3850221.93	2.74E-02	2.79E-02	2.79E-02	9.47E-06	2.86E-05	1.66E-05	1.69E-05	1.53E-05	6.85E-06	6.98E-06	3.16E-07	7.64E-06	1.69E-06	2.29E-06	3.64E-06	6.28E-07	4.60E-07	1.67E-05
3004	479176.63	3850221.93	2.60E-02	2.65E-02	2.65E-02	8.98E-06	2.71E-05	1.57E-05	1.60E-05	1.45E-05	6.50E-06	6.62E-06	3.00E-07	7.25E-06	1.60E-06	2.18E-06	3.45E-06	5.96E-07	4.37E-07	1.58E-05
3005	479226.63	3850221.93	2.47E-02	2.52E-02	2.52E-02	8.55E-06	2.58E-05	1.49E-05	1.53E-05	1.38E-05	6.18E-06	6.30E-06	2.86E-07	6.90E-06	1.52E-06	2.07E-06	3.29E-06	5.67E-07	4.16E-07	1.50E-05
3006	479276.63	3850221.93	2.36E-02	2.40E-02	2.40E-02	8.16E-06	2.46E-05	1.43E-05	1.46E-05	1.32E-05	5.90E-06	6.01E-06	2.72E-07	6.58E-06	1.45E-06	1.98E-06	3.13E-06	5.41E-07	3.97E-07	1.44E-05
3007	479326.63	3850221.93	2.26E-02	2.31E-02	2.30E-02	7.83E-06	2.36E-05	1.37E-05	1.40E-05	1.27E-05	5.66E-06	5.77E-06	2.61E-07	6.31E-06	1.39E-06	1.90E-06	3.01E-06	5.19E-07	3.80E-07	1.38E-05
3008	479376.63	3850221.93	2.17E-02	2.21E-02	2.21E-02	7.51E-06	2.27E-05	1.31E-05	1.34E-05	1.21E-05	5.43E-06	5.53E-06	2.51E-07	6.06E-06	1.34E-06	1.82E-06	2.89E-06	4.98E-07	3.65E-07	1.32E-05
3009	478676.63	3850271.93	7.91E-02	8.08E-02	8.07E-02	2.74E-05	8.27E-05	4.79E-05	4.89E-05	4.43E-05	1.98E-05	2.02E-05	9.15E-07	2.21E-05	4.88E-06	6.63E-06	1.05E-05	1.82E-06	1.33E-06	4.82E-05
3010	478726.63	3850271.93	6.58E-02	6.72E-02	6.71E-02	2.28E-05	6.88E-05	3.98E-05	4.06E-05	3.68E-05	1.65E-05	1.68E-05	7.61E-07	1.84E-05	4.06E-06	5.52E-06	8.75E-06	1.51E-06	1.11E-06	4.01E-05
3011	478976.63	3850271.93	3.78E-02	3.86E-02	3.86E-02	1.31E-05	3.96E-05	2.29E-05	2.34E-05	2.12E-05	9.47E-06	9.65E-06	4.37E-07	1.06E-05	2.33E-06	3.17E-06	5.03E-06	8.69E-07	6.37E-07	2.30E-05
3012	479026.63	3850271.93	3.50E-02	3.57E-02	3.57E-02	1.21E-05	3.66E-05	2.12E-05	2.16E-05	1.96E-05	8.76E-06	8.93E-06	4.05E-07	9.77E-06	2.16E-06	2.93E-06	4.66E-06	8.04E-07	5.89E-07	2.13E-05
3013	479076.63	3850271.93	3.27E-02	3.34E-02	3.33E-02	1.13E-05	3.42E-05	1.98E-05	2.02E-05	1.83E-05	8.18E-06	8.34E-06	3.78E-07	9.13E-06	2.01E-06	2.74E-06	4.35E-06	7.51E-07	5.50E-07	1.99E-05
3014	479126.63	3850271.93	3.07E-02	3.13E-02	3.13E-02	1.06E-05	3.21E-05	1.86E-05	1.90E-05	1.72E-05	7.68E-06	7.83E-06	3.55E-07	8.57E-06	1.89E-06	2.57E-06	4.08E-06	7.05E-07	5.16E-07	1.87E-05

3015	479176.63	3850271.93	2.89E-02	2.95E-02	2.95E-02	1.00E-05	3.02E-05	1.75E-05	1.79E-05	1.62E-05	7.24E-06	7.38E-06	3.34E-07	8.07E-06	1.78E-06	2.42E-06	3.85E-06	6.64E-07	4.87E-07	1.76E-05
3016	479226.63	3850271.93	2.73E-02	2.79E-02	2.79E-02	9.46E-06	2.86E-05	1.65E-05	1.69E-05	1.53E-05	6.84E-06	6.97E-06	3.16E-07	7.63E-06	1.68E-06	2.29E-06	3.63E-06	6.28E-07	4.60E-07	1.66E-05
3017	479276.63	3850271.93	2.60E-02	2.65E-02	2.65E-02	8.99E-06	2.71E-05	1.57E-05	1.60E-05	1.45E-05	6.50E-06	6.62E-06	3.00E-07	7.25E-06	1.60E-06	2.18E-06	3.45E-06	5.96E-07	4.37E-07	1.58E-05
3018	479326.63	3850271.93	2.48E-02	2.53E-02	2.53E-02	8.59E-06	2.59E-05	1.50E-05	1.53E-05	1.39E-05	6.21E-06	6.33E-06	2.87E-07	6.93E-06	1.53E-06	2.08E-06	3.30E-06	5.70E-07	4.17E-07	1.51E-05
3019	479376.63	3850271.93	2.37E-02	2.42E-02	2.42E-02	8.21E-06	2.48E-05	1.43E-05	1.46E-05	1.33E-05	5.94E-06	6.05E-06	2.74E-07	6.62E-06	1.46E-06	1.99E-06	3.15E-06	5.45E-07	3.99E-07	1.44E-05
3020	479053.24	3850293.52	3.59E-02	3.66E-02	3.66E-02	1.24E-05	3.75E-05	2.17E-05	2.21E-05	2.01E-05	8.98E-06	9.15E-06	4.15E-07	1.00E-05	2.21E-06	3.01E-06	4.77E-06	8.24E-07	6.04E-07	2.18E-05
3021	479103.24	3850293.52	3.34E-02	3.41E-02	3.41E-02	1.16E-05	3.49E-05	2.02E-05	2.06E-05	1.87E-05	8.36E-06	8.52E-06	3.86E-07	9.33E-06	2.06E-06	2.80E-06	4.44E-06	7.68E-07	5.62E-07	2.04E-05
3022	479153.24	3850293.52	3.14E-02	3.20E-02	3.20E-02	1.09E-05	3.28E-05	1.90E-05	1.94E-05	1.76E-05	7.85E-06	8.00E-06	3.62E-07	8.76E-06	1.93E-06	2.63E-06	4.17E-06	7.20E-07	5.28E-07	1.91E-05
3023	479203.24	3850293.52	2.95E-02	3.01E-02	3.00E-02	1.02E-05	3.08E-05	1.78E-05	1.82E-05	1.65E-05	7.38E-06	7.52E-06	3.41E-07	8.23E-06	1.82E-06	2.47E-06	3.92E-06	6.77E-07	4.96E-07	1.79E-05
3024	479253.24	3850293.52	2.79E-02	2.84E-02	2.84E-02	9.64E-06	2.91E-05	1.69E-05	1.72E-05	1.56E-05	6.97E-06	7.11E-06	3.22E-07	7.78E-06	1.72E-06	2.33E-06	3.70E-06	6.40E-07	4.69E-07	1.70E-05
3025	479303.24	3850293.52	2.65E-02	2.70E-02	2.70E-02	9.17E-06	2.77E-05	1.60E-05	1.64E-05	1.48E-05	6.63E-06	6.76E-06	3.06E-07	7.40E-06	1.63E-06	2.22E-06	3.52E-06	6.09E-07	4.46E-07	1.61E-05
3026	479353.24	3850293.52	2.53E-02	2.58E-02	2.58E-02	8.75E-06	2.64E-05	1.53E-05	1.56E-05	1.41E-05	6.32E-06	6.45E-06	2.92E-07	7.06E-06	1.56E-06	2.12E-06	3.36E-06	5.80E-07	4.25E-07	1.54E-05
3027	479153.24	3850343.52	3.60E-02	3.67E-02	3.66E-02	1.24E-05	3.76E-05	2.18E-05	2.22E-05	2.01E-05	9.00E-06	9.17E-06	4.16E-07	1.00E-05	2.22E-06	3.01E-06	4.78E-06	8.26E-07	6.05E-07	2.19E-05
3028	479203.24	3850343.52	3.35E-02	3.41E-02	3.41E-02	1.16E-05	3.50E-05	2.02E-05	2.07E-05	1.87E-05	8.38E-06	8.54E-06	3.87E-07	9.34E-06	2.06E-06	2.81E-06	4.45E-06	7.69E-07	5.63E-07	2.04E-05
3029	479253.24	3850343.52	3.14E-02	3.21E-02	3.20E-02	1.09E-05	3.29E-05	1.90E-05	1.94E-05	1.76E-05	7.87E-06	8.02E-06	3.63E-07	8.78E-06	1.94E-06	2.64E-06	4.18E-06	7.22E-07	5.29E-07	1.92E-05
3030	479303.24	3850343.52	2.97E-02	3.03E-02	3.03E-02	1.03E-05	3.10E-05	1.80E-05	1.83E-05	1.66E-05	7.43E-06	7.58E-06	3.43E-07	8.29E-06	1.83E-06	2.49E-06	3.95E-06	6.82E-07	5.00E-07	1.81E-05
3031	479353.24	3850343.52	2.81E-02	2.87E-02	2.87E-02	9.74E-06	2.94E-05	1.70E-05	1.74E-05	1.57E-05	7.04E-06	7.18E-06	3.25E-07	7.85E-06	1.73E-06	2.36E-06	3.74E-06	6.46E-07	4.73E-07	1.71E-05
3032	479203.24	3850393.52	3.90E-02	3.98E-02	3.98E-02	1.35E-05	4.08E-05	2.36E-05	2.41E-05	2.19E-05	9.77E-06	9.96E-06	4.51E-07	1.09E-05	2.41E-06	3.27E-06	5.19E-06	8.97E-07	6.57E-07	2.38E-05
3033	479253.24	3850393.52	3.62E-02	3.70E-02	3.69E-02	1.25E-05	3.79E-05	2.19E-05	2.24E-05	2.03E-05	9.07E-06	9.24E-06	4.19E-07	1.01E-05	2.23E-06	3.04E-06	4.82E-06	8.32E-07	6.10E-07	2.21E-05
3034	479303.24	3850393.52	3.39E-02	3.46E-02	3.45E-02	1.17E-05	3.54E-05	2.05E-05	2.09E-05	1.90E-05	8.48E-06	8.64E-06	3.92E-07	9.46E-06	2.09E-06	2.84E-06	4.50E-06	7.78E-07	5.70E-07	2.06E-05
3035	479353.24	3850393.52	3.18E-02	3.25E-02	3.24E-02	1.10E-05	3.33E-05	1.93E-05	1.96E-05	1.78E-05	7.96E-06	8.12E-06	3.68E-07	8.88E-06	1.96E-06	2.67E-06	4.23E-06	7.31E-07	5.35E-07	1.94E-05
3036	479403.24	3850393.52	3.00E-02	3.06E-02	3.05E-02	1.04E-05	3.13E-05	1.81E-05	1.85E-05	1.68E-05	7.50E-06	7.64E-06	3.46E-07	8.37E-06	1.85E-06	2.51E-06	3.98E-06	6.88E-07	5.04E-07	1.82E-05
3037	479453.24	3850393.52	2.83E-02	2.89E-02	2.88E-02	9.79E-06	2.96E-05	1.71E-05	1.75E-05	1.58E-05	7.08E-06	7.22E-06	3.27E-07	7.90E-06	1.74E-06	2.37E-06	3.76E-06	6.50E-07	4.76E-07	1.72E-05
3038	479503.24	3850393.52	2.67E-02	2.72E-02	2.72E-02	9.23E-06	2.79E-05	1.61E-05	1.65E-05	1.49E-05	6.67E-06	6.80E-06	3.08E-07	7.44E-06	1.64E-06	2.23E-06	3.55E-06	6.12E-07	4.49E-07	1.62E-05
3039	479303.24	3850443.52	3.97E-02	4.06E-02	4.05E-02	1.38E-05	4.15E-05	2.40E-05	2.45E-05	2.22E-05	9.95E-06	1.01E-05	4.59E-07	1.11E-05	2.45E-06	3.33E-06	5.28E-06	9.13E-07	6.69E-07	2.42E-05
3040	479353.24	3850443.52	3.69E-02	3.76E-02	3.76E-02	1.28E-05	3.85E-05	2.23E-05	2.28E-05	2.06E-05	9.22E-06	9.40E-06	4.26E-07	1.03E-05	2.27E-06	3.09E-06	4.90E-06	8.47E-07	6.20E-07	2.24E-05
3041	479403.24	3850443.52	3.43E-02	3.50E-02	3.50E-02	1.19E-05	3.59E-05	2.08E-05	2.12E-05	1.92E-05	8.59E-06	8.75E-06	3.97E-07	9.58E-06	2.11E-06	2.88E-06	4.56E-06	7.88E-07	5.77E-07	2.09E-05
3042	479453.24	3850443.52	3.20E-02	3.27E-02	3.27E-02	1.11E-05	3.35E-05	1.94E-05	1.98E-05	1.79E-05	8.02E-06	8.17E-06	3.70E-07	8.95E-06	1.97E-06	2.69E-06	4.26E-06	7.36E-07	5.39E-07	1.95E-05
3043	479503.24	3850443.52	2.99E-02	3.05E-02	3.05E-02	1.04E-05	3.13E-05	1.81E-05	1.85E-05	1.67E-05	7.49E-06	7.63E-06	3.46E-07	8.36E-06	1.84E-06	2.51E-06	3.98E-06	6.87E-07	5.03E-07	1.82E-05
3044	480327.18	3850987.04	4.77E-02	4.86E-02	4.86E-02	1.65E-05	4.98E-05	2.88E-05	2.94E-05	2.67E-05	1.19E-05	1.22E-05	5.51E-07	1.33E-05	2.94E-06	4.00E-06	6.34E-06	1.09E-06	8.02E-07	2.90E-05
3045	480377.18	3850987.04	4.34E-02	4.43E-02	4.42E-02	1.50E-05	4.54E-05	2.63E-05	2.68E-05	2.43E-05	1.09E-05	1.11E-05	5.02E-07	1.21E-05	2.67E-06	3.64E-06	5.77E-06	9.97E-07	7.30E-07	2.64E-05
3046	480427.18	3850987.04	3.98E-02	4.06E-02	4.06E-02	1.38E-05	4.16E-05	2.41E-05	2.46E-05	2.23E-05	9.97E-06	1.02E-05	4.60E-07	1.11E-05	2.45E-06	3.34E-06	5.29E-06	9.15E-07	6.70E-07	2.42E-05
3047	480477.18	3850987.04	3.67E-02	3.74E-02	3.74E-02	1.27E-05	3.84E-05	2.22E-05	2.27E-05	2.05E-05	9.18E-06	9.36E-06	4.24E-07	1.02E-05	2.26E-06	3.08E-06	4.88E-06	8.43E-07	6.17E-07	2.23E-05
3048	480327.18	3851037.04	6.14E-02	6.27E-02	6.26E-02	2.13E-05	6.42E-05	3.72E-05	3.79E-05	3.44E-05	1.54E-05	1.57E-05	7.10E-07	1.71E-05	3.78E-06	5.15E-06	8.17E-06	1.41E-06	1.03E-06	3.74E-05
3049	480377.18	3851037.04	5.43E-02	5.54E-02	5.54E-02	1.88E-05	5.68E-05	3.29E-05	3.35E-05	3.04E-05	1.36E-05	1.39E-05	6.28E-07	1.52E-05	3.35E-06	4.55E-06	7.22E-06	1.25E-06	9.14E-07	3.31E-05
3050	480427.18	3851037.04	4.86E-02	4.96E-02	4.95E-02	1.68E-05	5.08E-05	2.94E-05	3.00E-05	2.72E-05	1.22E-05	1.24E-05	5.62E-07	1.36E-05	2.99E-06	4.07E-06	6.46E-06	1.12E-06	8.18E-07	2.96E-05
3051	480477.18	3851037.04	4.39E-02	4.48E-02	4.47E-02	1.52E-05	4.59E-05	2.66E-05	2.71E-05	2.46E-05	1.10E-05	1.12E-05	5.07E-07	1.23E-05	2.70E-06	3.68E-06	5.84E-06	1.01E-06	7.39E-07	2.67E-05
3052	480622.06	3851087.39	4.06E-02	4.15E-02	4.14E-02	1.41E-05	4.25E-05	2.46E-05	2.51E-05	2.27E-05	1.02E-05	1.04E-05	4.70E-07	1.13E-05	2.50E-06	3.41E-06	5.40E-06	9.33E-07	6.84E-07	2.47E-05
3053	480672.06	3851087.39	3.74E-02	3.81E-02	3.81E-02	1.29E-05	3.90E-05	2.26E-05	2.31E-05	2.09E-05	9.35E-06	9.53E-06	4.32E-07	1.04E-05	2.30E-06	3.13E-06	4.97E-06	8.58E-07	6.29E-07	2.28E-05
3054	480622.06	3851137.39	5.01E-02	5.11E-02	5.10E-02	1.73E-05	5.23E-05	3.03E-05	3.09E-05	2.80E-05	1.25E-05	1.28E-05	5.79E-07	1.40E-05	3.08E-06	4.20E-06	6.66E-06	1.15E-06	8.42E-07	3.05E-05
3055	480672.06	3851137.39	4.50E-02	4.59E-02	4.58E-02	1.56E-05	4.70E-05	2.72E-05	2.78E-05	2.52E-05	1.13E-05	1.15E-05	5.20E-07	1.26E-05	2.77E-06	3.77E-06	5.98E-06	1.03E-06	7.57E-07	2.74E-05
3056	480722.06	3851137.39	4.10E-02	4.18E-02	4.18E-02	1.42E-05	4.28E-05	2.48E-05	2.53E-05	2.29E-05	1.03E-05	1.04E-05	4.74E-07	1.14E-05	2.52E-06	3.43E-06	5.45E-06	9.41E-07	6.89E-07	2.49E-05
3057	480622.06	3851187.39	6.61E-02	6.74E-02	6.74E-02	2.29E-05	6.91E-05	4.00E-05	4.08E-05	3.70E-05	1.65E-05	1.69E-05	7.64E-07	1.85E-05	4.07E-06	5.54E-06	8.79E-06	1.52E-06	1.11E-06	4.02E-05
3058	480672.06	3851187.39	5.71E-02	5.83E-02	5.82E-02	1.98E-05	5.97E-05	3.46E-05	3.53E-05	3.20E-05	1.43E-05	1.46E-05	6.61E-07	1.60E-05	3.52E-06	4.79E-06	7.60E-06	1.31E-06	9.62E-07	3.48E-05
3059	480722.06	3851187.39	5.05E-02	5.16E-02	5.15E-02	1.75E-05	5.28E-05	3.06E-05	3.12E-05	2.83E-05	1.26E-05	1.29E-05	5.84E-07	1.41E-05	3.11E-06	4.24E-06	6.72E-06	1.16E-06	8.50E-07	3.08E-05
3060	471363.09	3845877.25	2.60E-04	2.65E-04	2.65E-04	9.00E-08	2.72E-07	1.57E-07	1.60E-07	1.45E-07	6.50E-08	6.63E-08	3.00E-09	7.26E-08	1.60E-08	2.18E-08	3.46E-08	5.97E-09	4.37E-09	1.58E-07
3061	471863.09	3845877.25	2.52E-04	2.57E-04	2.56E-04	8.71E-08	2.63E-07	1.52E-07	1.55E-07	1.41E-07	6.30E-08	6.42E-08	2.91E-09	7.03E-08	1.55E-08	2.11E-08	3.35E-08	5.78E-09	4.23E-09	1.53E-07
3062	472363.09	3845877.25	3.26E-04	3.33E-04	3.32E-04	1.13E-07	3.41E-07	1.97E-07	2.01E-07	1.82E-07	8.16E-08	8.31E-08	3.77E-09	9.10E-08	2.01E-08	2.73E-08	4.33E-08	7.49E-09	5.48E-09	1.98E-07
3063	472863.09	3845877.25	2.45E-04	2.50E-04	2.50E-04	8.50E-08	2.57E-07	1.49E-07	1.52E-07	1.37E-07	6.14E-08	6.26E-08	2.84E-09	6.85E-08	1.51E-08	2.06E-08	3.26E-08	5.64E-09	4.13E-09	1.49E-07
3064	473363.09	3845877.25	2.58E-04	2.63E-04	2.63E-04	8.93E-08	2.69E-07	1.56E-07	1.59E-07	1.44E-07	6.45E-08	6.58E-08	2.98E-09	7.20E-08	1.59E-08	2.16E-08	3.43E-08	5.92E-09	4.34E-09	1.57E-07
3065	473863.09	3845877.25	2.70E-04	2.75E-04	2.75E-04	9.34E-08	2.82E-07	1.63E-07	1.67E-07	1.51E-07	6.76E-08	6.88E-08	3.12E-09	7.54E-08	1.66E-08	2.26E-08	3.59E-08	6.20E-09	4.54E-09	1.64E-07
3066	474363.09	3845877.25	3.14E-04	3.21E-04	3.20E-04	1.09E-07	3.28E-07	1.90E-07	1.94E-07	1.76E-07	7.86E-08	8.01E-08	3.63E-09	8.77E-08	1.94E-08	2.63E-08	4.18E-08	7.21E-09	5.29E-09	1.91E-07
3067	474863.09	3845877.25	3.66E-04	3.73E-04	3.73E-04	1.27E-07	3.82E-07	2.21E-07	2.26E-07	2.05E-07	9.15E-08	9.33E-08	4.23E-09	1.02E-07	2.25E-08	3.07E-08	4.86E-08	8.40E-09	6.15E-09	2.23E-07
3068	475363.09	3845877.25	4.23E-04	4.31E-04	4.31E-04	1.46E-07	4.42E-07	2.56E-07	2.61E-07	2.37E-07	1.06E-07	1.08E-07	4.89E-09	1.18E-07	2.61E-08	3.54E-08	5.62E-08	9.71E-09	7.11E-09	2.58E-07
3069	475863.09	3845877.25	4.36E-04	4.45E-04	4.44E-04	1.51E-07	4.56E-07	2.64E-07	2.69E-07	2.44E-07	1.09E-07	1.11E-07	5.04E-09	1.22E-07	2.69E-08	3.65E-08	5.80E-08	1.00E-08	7.33E-09	2.65E-07
3070	476363.09	3845877.25	4.08E-04	4.16E-04	4.16E-04	1.41E-07	4.27E-07	2.47E-07	2.52E-07	2.28E-07	1.02E-07	1.04E-07	4.72E-09	1.14E-07	2.51E-08	3.42E-08	5.43E-08	9.37E-09	6.87E-09	2.49E-07
3071	476863.09	3845877.25	3.81E-04	3.88E-04	3.88E-04	1.32E-07	3.98E-07	2.30E-07	2.35E-07	2.13E-07	9.53E-08	9.71E-08	4.40E-09	1.06E-07	2.35E-08	3.19E-08	5.06E-08	8.74E-09	6.41E-09	2.32E-07

3072	477363.09	3845877.25	3.80E-04	3.88E-04	3.87E-04	1.31E-07	3.97E-07	2.30E-07	2.35E-07	2.13E-07	9.51E-08	9.69E-08	4.39E-09	1.06E-07	2.34E-08	3.18E-08	5.05E-08	8.72E-09	6.39E-09	2.31E-07
3073	477863.09	3845877.25	3.60E-04	3.68E-04	3.67E-04	1.25E-07	3.77E-07	2.18E-07	2.23E-07	2.02E-07	9.02E-08	9.19E-08	4.17E-09	1.01E-07	2.22E-08	3.02E-08	4.79E-08	8.28E-09	6.06E-09	2.19E-07
3074	478363.09	3845877.25	3.69E-04	3.76E-04	3.76E-04	1.28E-07	3.85E-07	2.23E-07	2.28E-07	2.06E-07	9.23E-08	9.40E-08	4.26E-09	1.03E-07	2.27E-08	3.09E-08	4.90E-08	8.47E-09	6.20E-09	2.24E-07
3075	478863.09	3845877.25	3.75E-04	3.83E-04	3.83E-04	1.30E-07	3.92E-07	2.27E-07	2.32E-07	2.10E-07	9.40E-08	9.58E-08	4.34E-09	1.05E-07	2.31E-08	3.15E-08	4.99E-08	8.62E-09	6.32E-09	2.29E-07
3076	479363.09	3845877.25	4.00E-04	4.08E-04	4.08E-04	1.39E-07	4.18E-07	2.42E-07	2.47E-07	2.24E-07	1.00E-07	1.02E-07	4.63E-09	1.12E-07	2.47E-08	3.35E-08	5.32E-08	9.19E-09	6.73E-09	2.44E-07
3077	479863.09	3845877.25	4.03E-04	4.11E-04	4.10E-04	1.39E-07	4.21E-07	2.44E-07	2.49E-07	2.25E-07	1.01E-07	1.03E-07	4.65E-09	1.12E-07	2.48E-08	3.37E-08	5.35E-08	9.24E-09	6.77E-09	2.45E-07
3078	480363.09	3845877.25	3.74E-04	3.81E-04	3.81E-04	1.29E-07	3.91E-07	2.26E-07	2.31E-07	2.09E-07	9.35E-08	9.53E-08	4.32E-09	1.04E-07	2.30E-08	3.13E-08	4.97E-08	8.58E-09	6.29E-09	2.28E-07
3079	480863.09	3845877.25	3.67E-04	3.75E-04	3.74E-04	1.27E-07	3.84E-07	2.22E-07	2.27E-07	2.05E-07	9.19E-08	9.37E-08	4.24E-09	1.03E-07	2.26E-08	3.08E-08	4.88E-08	8.43E-09	6.18E-09	2.24E-07
3080	481363.09	3845877.25	3.64E-04	3.71E-04	3.71E-04	1.26E-07	3.80E-07	2.20E-07	2.25E-07	2.04E-07	9.10E-08	9.28E-08	4.20E-09	1.02E-07	2.24E-08	3.05E-08	4.84E-08	8.35E-09	6.12E-09	2.21E-07
3081	481863.09	3845877.25	3.49E-04	3.56E-04	3.56E-04	1.21E-07	3.65E-07	2.11E-07	2.15E-07	1.95E-07	8.73E-08	8.90E-08	4.03E-09	9.74E-08	2.15E-08	2.92E-08	4.64E-08	8.01E-09	5.87E-09	2.12E-07
3082	482363.09	3845877.25	3.28E-04	3.35E-04	3.35E-04	1.14E-07	3.43E-07	1.99E-07	2.03E-07	1.84E-07	8.22E-08	8.37E-08	3.79E-09	9.17E-08	2.02E-08	2.75E-08	4.37E-08	7.54E-09	5.52E-09	2.00E-07
3083	482863.09	3845877.25	2.65E-04	2.71E-04	2.70E-04	9.18E-08	2.77E-07	1.60E-07	1.64E-07	1.48E-07	6.64E-08	6.76E-08	3.07E-09	7.40E-08	1.63E-08	2.22E-08	3.53E-08	6.09E-09	4.46E-09	1.62E-07
3084	483363.09	3845877.25	2.40E-04	2.45E-04	2.44E-04	8.30E-08	2.51E-07	1.45E-07	1.48E-07	1.34E-07	6.00E-08	6.12E-08	2.77E-09	6.70E-08	1.48E-08	2.01E-08	3.19E-08	5.51E-09	4.04E-09	1.46E-07
3085	483863.09	3845877.25	3.04E-04	3.11E-04	3.10E-04	1.05E-07	3.18E-07	1.84E-07	1.88E-07	1.70E-07	7.62E-08	7.76E-08	3.52E-09	8.50E-08	1.88E-08	2.55E-08	4.05E-08	6.99E-09	5.12E-09	1.85E-07
3086	484363.09	3845877.25	3.10E-04	3.16E-04	3.16E-04	1.07E-07	3.24E-07	1.88E-07	1.91E-07	1.73E-07	7.76E-08	7.91E-08	3.58E-09	8.66E-08	1.91E-08	2.60E-08	4.12E-08	7.12E-09	5.22E-09	1.89E-07
3087	484863.09	3845877.25	3.04E-04	3.10E-04	3.10E-04	1.05E-07	3.18E-07	1.84E-07	1.88E-07	1.70E-07	7.61E-08	7.76E-08	3.52E-09	8.49E-08	1.87E-08	2.55E-08	4.04E-08	6.98E-09	5.12E-09	1.85E-07
3088	485363.09	3845877.25	2.91E-04	2.97E-04	2.97E-04	1.01E-07	3.04E-07	1.76E-07	1.80E-07	1.63E-07	7.29E-08	7.43E-08	3.37E-09	8.13E-08	1.79E-08	2.44E-08	3.87E-08	6.69E-09	4.90E-09	1.77E-07
3089	485863.09	3845877.25	3.01E-04	3.07E-04	3.06E-04	1.04E-07	3.14E-07	1.82E-07	1.86E-07	1.68E-07	7.52E-08	7.67E-08	3.47E-09	8.39E-08	1.85E-08	2.52E-08	4.00E-08	6.90E-09	5.06E-09	1.83E-07
3090	486363.09	3845877.25	2.97E-04	3.03E-04	3.03E-04	1.03E-07	3.11E-07	1.80E-07	1.84E-07	1.66E-07	7.44E-08	7.58E-08	3.44E-09	8.30E-08	1.83E-08	2.49E-08	3.95E-08	6.83E-09	5.00E-09	1.81E-07
3091	486863.09	3845877.25	2.78E-04	2.83E-04	2.83E-04	9.61E-08	2.90E-07	1.68E-07	1.71E-07	1.55E-07	6.95E-08	7.08E-08	3.21E-09	7.75E-08	1.71E-08	2.33E-08	3.69E-08	6.38E-09	4.67E-09	1.69E-07
3092	487363.09	3845877.25	2.74E-04	2.80E-04	2.80E-04	9.50E-08	2.87E-07	1.66E-07	1.69E-07	1.54E-07	6.87E-08	7.00E-08	3.17E-09	7.66E-08	1.69E-08	2.30E-08	3.65E-08	6.30E-09	4.62E-09	1.67E-07
3093	487863.09	3845877.25	2.56E-04	2.62E-04	2.61E-04	8.87E-08	2.68E-07	1.55E-07	1.58E-07	1.43E-07	6.42E-08	6.54E-08	2.96E-09	7.16E-08	1.58E-08	2.15E-08	3.41E-08	5.89E-09	4.31E-09	1.56E-07
3094	488363.09	3845877.25	2.49E-04	2.54E-04	2.54E-04	8.62E-08	2.60E-07	1.51E-07	1.54E-07	1.39E-07	6.23E-08	6.35E-08	2.88E-09	6.95E-08	1.53E-08	2.09E-08	3.31E-08	5.72E-09	4.19E-09	1.52E-07
3095	488863.09	3845877.25	2.88E-04	2.93E-04	2.93E-04	9.96E-08	3.01E-07	1.74E-07	1.78E-07	1.61E-07	7.20E-08	7.34E-08	3.32E-09	8.03E-08	1.77E-08	2.41E-08	3.82E-08	6.61E-09	4.84E-09	1.75E-07
3096	489363.09	3845877.25	2.86E-04	2.92E-04	2.92E-04	9.90E-08	2.99E-07	1.73E-07	1.77E-07	1.60E-07	7.16E-08	7.30E-08	3.31E-09	7.99E-08	1.76E-08	2.40E-08	3.80E-08	6.57E-09	4.81E-09	1.74E-07
3097	489863.09	3845877.25	2.67E-04	2.72E-04	2.72E-04	9.23E-08	2.79E-07	1.61E-07	1.65E-07	1.49E-07	6.67E-08	6.80E-08	3.08E-09	7.45E-08	1.64E-08	2.24E-08	3.55E-08	6.12E-09	4.49E-09	1.62E-07
3098	490363.09	3845877.25	2.40E-04	2.45E-04	2.44E-04	8.30E-08	2.51E-07	1.45E-07	1.48E-07	1.34E-07	6.00E-08	6.12E-08	2.77E-09	6.70E-08	1.48E-08	2.01E-08	3.19E-08	5.51E-09	4.04E-09	1.46E-07
3099	490863.09	3845877.25	1.93E-04	1.97E-04	1.96E-04	6.67E-08	2.01E-07	1.17E-07	1.19E-07	1.08E-07	4.82E-08	4.92E-08	2.23E-09	5.38E-08	1.19E-08	1.62E-08	2.56E-08	4.43E-09	3.24E-09	1.17E-07
3100	491363.09	3845877.25	2.17E-04	2.21E-04	2.21E-04	7.51E-08	2.27E-07	1.31E-07	1.34E-07	1.21E-07	5.43E-08	5.53E-08	2.51E-09	6.06E-08	1.34E-08	1.82E-08	2.88E-08	4.98E-09	3.65E-09	1.32E-07
3101	491863.09	3845877.25	2.31E-04	2.36E-04	2.35E-04	8.00E-08	2.41E-07	1.40E-07	1.43E-07	1.29E-07	5.78E-08	5.89E-08	2.67E-09	6.45E-08	1.42E-08	1.94E-08	3.07E-08	5.31E-09	3.89E-09	1.41E-07
3102	492363.09	3845877.25	1.96E-04	2.00E-04	2.00E-04	6.79E-08	2.05E-07	1.19E-07	1.21E-07	1.10E-07	4.91E-08	5.01E-08	2.27E-09	5.48E-08	1.21E-08	1.65E-08	2.61E-08	4.51E-09	3.30E-09	1.20E-07
3103	492863.09	3845877.25	2.39E-04	2.44E-04	2.43E-04	8.26E-08	2.49E-07	1.44E-07	1.47E-07	1.34E-07	5.97E-08	6.09E-08	2.76E-09	6.66E-08	1.47E-08	2.00E-08	3.17E-08	5.48E-09	4.02E-09	1.45E-07
3104	493363.09	3845877.25	2.53E-04	2.58E-04	2.57E-04	8.74E-08	2.64E-07	1.53E-07	1.56E-07	1.41E-07	6.32E-08	6.44E-08	2.92E-09	7.05E-08	1.56E-08	2.12E-08	3.36E-08	5.80E-09	4.25E-09	1.54E-07
3105	493863.09	3845877.25	2.66E-04	2.71E-04	2.71E-04	9.20E-08	2.78E-07	1.61E-07	1.64E-07	1.49E-07	6.65E-08	6.78E-08	3.07E-09	7.42E-08	1.64E-08	2.23E-08	3.53E-08	6.10E-09	4.47E-09	1.62E-07
3106	494363.09	3845877.25	2.74E-04	2.79E-04	2.79E-04	9.48E-08	2.86E-07	1.66E-07	1.69E-07	1.53E-07	6.85E-08	6.98E-08	3.16E-09	7.64E-08	1.69E-08	2.29E-08	3.64E-08	6.29E-09	4.61E-09	1.67E-07
3107	494863.09	3845877.25	2.76E-04	2.82E-04	2.81E-04	9.56E-08	2.89E-07	1.67E-07	1.70E-07	1.55E-07	6.91E-08	7.04E-08	3.19E-09	7.71E-08	1.70E-08	2.31E-08	3.67E-08	6.34E-09	4.65E-09	1.68E-07
3108	495363.09	3845877.25	2.84E-04	2.90E-04	2.89E-04	9.82E-08	2.97E-07	1.72E-07	1.75E-07	1.59E-07	7.10E-08	7.24E-08	3.28E-09	7.92E-08	1.75E-08	2.38E-08	3.77E-08	6.52E-09	4.77E-09	1.73E-07
3109	495863.09	3845877.25	2.92E-04	2.98E-04	2.97E-04	1.01E-07	3.05E-07	1.77E-07	1.80E-07	1.63E-07	7.30E-08	7.44E-08	3.37E-09	8.15E-08	1.80E-08	2.45E-08	3.88E-08	6.70E-09	4.91E-09	1.78E-07
3110	496363.09	3845877.25	2.99E-04	3.05E-04	3.05E-04	1.03E-07	3.12E-07	1.81E-07	1.84E-07	1.67E-07	7.48E-08	7.62E-08	3.45E-09	8.34E-08	1.84E-08	2.50E-08	3.97E-08	6.86E-09	5.03E-09	1.82E-07
3111	496863.09	3845877.25	2.98E-04	3.05E-04	3.04E-04	1.03E-07	3.12E-07	1.81E-07	1.84E-07	1.67E-07	7.47E-08	7.61E-08	3.45E-09	8.33E-08	1.84E-08	2.50E-08	3.97E-08	6.86E-09	5.02E-09	1.82E-07
3112	497363.09	3845877.25	2.98E-04	3.04E-04	3.04E-04	1.03E-07	3.12E-07	1.80E-07	1.84E-07	1.67E-07	7.46E-08	7.61E-08	3.45E-09	8.33E-08	1.84E-08	2.50E-08	3.97E-08	6.85E-09	5.02E-09	1.82E-07
3113	497863.09	3845877.25	2.99E-04	3.05E-04	3.05E-04	1.04E-07	3.13E-07	1.81E-07	1.85E-07	1.68E-07	7.49E-08	7.64E-08	3.46E-09	8.36E-08	1.84E-08	2.51E-08	3.98E-08	6.88E-09	5.04E-09	1.82E-07
3114	498363.09	3845877.25	2.97E-04	3.03E-04	3.03E-04	1.03E-07	3.11E-07	1.80E-07	1.84E-07	1.66E-07	7.44E-08	7.58E-08	3.44E-09	8.30E-08	1.83E-08	2.49E-08	3.95E-08	6.83E-09	5.00E-09	1.81E-07
3115	471363.09	3846377.25	6.55E-04	6.68E-04	6.67E-04	2.27E-07	6.84E-07	3.96E-07	4.04E-07	3.66E-07	1.64E-07	1.67E-07	7.57E-09	1.83E-07	4.03E-08	5.49E-08	8.71E-08	1.50E-08	1.10E-08	3.99E-07
3116	471863.09	3846377.25	5.87E-04	5.99E-04	5.98E-04	2.03E-07	6.13E-07	3.55E-07	3.62E-07	3.28E-07	1.47E-07	1.50E-07	6.78E-09	1.64E-07	3.61E-08	4.92E-08	7.80E-08	1.35E-08	9.87E-09	3.57E-07
3117	472363.09	3846377.25	3.08E-04	3.15E-04	3.14E-04	1.07E-07	3.22E-07	1.86E-07	1.90E-07	1.73E-07	7.71E-08	7.86E-08	3.56E-09	8.61E-08	1.90E-08	2.58E-08	4.10E-08	7.08E-09	5.19E-09	1.88E-07
3118	472863.09	3846377.25	3.46E-04	3.53E-04	3.53E-04	1.20E-07	3.62E-07	2.09E-07	2.14E-07	1.94E-07	8.66E-08	8.82E-08	4.00E-09	9.66E-08	2.13E-08	2.90E-08	4.60E-08	7.95E-09	5.82E-09	2.11E-07
3119	473363.09	3846377.25	3.46E-04	3.53E-04	3.53E-04	1.20E-07	3.62E-07	2.09E-07	2.14E-07	1.94E-07	8.67E-08	8.83E-08	4.00E-09	9.67E-08	2.13E-08	2.90E-08	4.60E-08	7.95E-09	5.83E-09	2.11E-07
3120	473863.09	3846377.25	3.98E-04	4.06E-04	4.06E-04	1.38E-07	4.16E-07	2.41E-07	2.46E-07	2.23E-07	9.96E-08	1.02E-07	4.60E-09	1.11E-07	2.45E-08	3.34E-08	5.29E-08	9.14E-09	6.70E-09	2.42E-07
3121	474363.09	3846377.25	4.19E-04	4.28E-04	4.27E-04	1.45E-07	4.38E-07	2.54E-07	2.59E-07	2.35E-07	1.05E-07	1.07E-07	4.85E-09	1.17E-07	2.58E-08	3.51E-08	5.58E-08	9.63E-09	7.06E-09	2.55E-07
3122	474863.09	3846377.25	4.77E-04	4.87E-04	4.86E-04	1.65E-07	4.99E-07	2.89E-07	2.95E-07	2.67E-07	1.19E-07	1.22E-07	5.51E-09	1.33E-07	2.94E-08	4.00E-08	6.34E-08	1.10E-08	8.03E-09	2.91E-07
3123	475363.09	3846377.25	5.45E-04	5.56E-04	5.55E-04	1.89E-07	5.69E-07	3.30E-07	3.36E-07	3.05E-07	1.36E-07	1.39E-07	6.30E-09	1.52E-07	3.36E-08	4.57E-08	7.25E-08	1.25E-08	9.17E-09	3.32E-07
3124	475863.09	3846377.25	6.29E-04	6.42E-04	6.41E-04	2.18E-07	6.57E-07	3.80E-07	3.88E-07	3.52E-07	1.57E-07	1.60E-07	7.27E-09	1.76E-07	3.87E-08	5.27E-08	8.36E-08	1.44E-08	1.06E-08	3.83E-07
3125	476363.09	3846377.25	6.18E-04	6.31E-04	6.30E-04	2.14E-07	6.46E-07	3.74E-07	3.82E-07	3.46E-07	1.55E-07	1.58E-07	7.15E-09	1.73E-07	3.81E-08	5.18E-08	8.22E-08	1.42E-08	1.04E-08	3.77E-07
3126	476863.09	3846377.25	6.12E-04	6.24E-04	6.23E-04	2.12E-07	6.39E-07	3.70E-07	3.78E-07	3.42E-07	1.53E-07	1.56E-07	7.07E-09	1.71E-07	3.77E-08	5.13E-08	8.13E-08	1.41E-08	1.03E-08	3.73E-07
3127	477363.09	3846377.25	6.15E-04	6.28E-04	6.27E-04	2.13E-07	6.43E-07	3.72E-07	3.80E-07	3.44E-07	1.54E-07	1.57E-07	7.11E-09	1.72E-07	3.79E-08	5.16E-08	8.18E-08	1.41E-08	1.03E-08	3.75E-07
3128	477863.09	3846377.25	5.95E-04	6.07E-04	6.06E-04	2.06E-07	6.22E-07	3.60E-07	3.67E-07	3.33E-07	1.49E-07	1.52E-07	6.87E-09	1.66E-07	3.66E-08	4.98E-08	7.91E-08	1.37E-08	1.00E-08	3.62E-07

3129	478363.09	3846377.25	5.87E-04	5.99E-04	5.99E-04	2.03E-07	6.14E-07	3.55E-07	3.63E-07	3.29E-07	1.47E-07	1.50E-07	6.79E-09	1.64E-07	3.62E-08	4.92E-08	7.81E-08	1.35E-08	9.88E-09	3.58E-07
3130	478863.09	3846377.25	6.14E-04	6.27E-04	6.26E-04	2.13E-07	6.42E-07	3.72E-07	3.79E-07	3.44E-07	1.54E-07	1.57E-07	7.10E-09	1.71E-07	3.78E-08	5.15E-08	8.17E-08	1.41E-08	1.03E-08	3.74E-07
3131	479363.09	3846377.25	6.21E-04	6.33E-04	6.32E-04	2.15E-07	6.49E-07	3.75E-07	3.83E-07	3.47E-07	1.55E-07	1.58E-07	7.17E-09	1.73E-07	3.82E-08	5.20E-08	8.25E-08	1.43E-08	1.04E-08	3.78E-07
3132	479863.09	3846377.25	6.04E-04	6.16E-04	6.15E-04	2.09E-07	6.31E-07	3.65E-07	3.73E-07	3.38E-07	1.51E-07	1.54E-07	6.98E-09	1.69E-07	3.72E-08	5.06E-08	8.03E-08	1.39E-08	1.02E-08	3.68E-07
3133	480363.09	3846377.25	6.12E-04	6.24E-04	6.23E-04	2.12E-07	6.39E-07	3.70E-07	3.78E-07	3.42E-07	1.53E-07	1.56E-07	7.07E-09	1.71E-07	3.77E-08	5.13E-08	8.13E-08	1.41E-08	1.03E-08	3.73E-07
3134	480863.09	3846377.25	5.51E-04	5.62E-04	5.61E-04	1.91E-07	5.76E-07	3.33E-07	3.40E-07	3.08E-07	1.38E-07	1.40E-07	6.37E-09	1.54E-07	3.39E-08	4.62E-08	7.32E-08	1.26E-08	9.27E-09	3.35E-07
3135	481363.09	3846377.25	5.45E-04	5.56E-04	5.56E-04	1.89E-07	5.70E-07	3.30E-07	3.37E-07	3.05E-07	1.36E-07	1.39E-07	6.30E-09	1.52E-07	3.36E-08	4.57E-08	7.25E-08	1.25E-08	9.17E-09	3.32E-07
3136	481863.09	3846377.25	5.14E-04	5.24E-04	5.24E-04	1.78E-07	5.37E-07	3.11E-07	3.17E-07	2.88E-07	1.29E-07	1.31E-07	5.94E-09	1.43E-07	3.17E-08	4.31E-08	6.83E-08	1.18E-08	8.65E-09	3.13E-07
3137	482363.09	3846377.25	4.69E-04	4.78E-04	4.78E-04	1.62E-07	4.90E-07	2.83E-07	2.89E-07	2.62E-07	1.17E-07	1.20E-07	5.42E-09	1.31E-07	2.89E-08	3.93E-08	6.23E-08	1.08E-08	7.88E-09	2.85E-07
3138	482863.09	3846377.25	4.00E-04	4.08E-04	4.08E-04	1.39E-07	4.18E-07	2.42E-07	2.47E-07	2.24E-07	1.00E-07	1.02E-07	4.63E-09	1.12E-07	2.47E-08	3.35E-08	5.32E-08	9.19E-09	6.73E-09	2.44E-07
3139	483363.09	3846377.25	4.25E-04	4.34E-04	4.33E-04	1.47E-07	4.44E-07	2.57E-07	2.63E-07	2.38E-07	1.06E-07	1.08E-07	4.92E-09	1.19E-07	2.62E-08	3.56E-08	5.65E-08	9.77E-09	7.15E-09	2.59E-07
3140	483863.09	3846377.25	4.22E-04	4.31E-04	4.30E-04	1.46E-07	4.41E-07	2.55E-07	2.61E-07	2.36E-07	1.06E-07	1.08E-07	4.88E-09	1.18E-07	2.60E-08	3.54E-08	5.61E-08	9.69E-09	7.10E-09	2.57E-07
3141	484363.09	3846377.25	3.87E-04	3.94E-04	3.94E-04	1.34E-07	4.04E-07	2.34E-07	2.39E-07	2.16E-07	9.68E-08	9.86E-08	4.47E-09	1.08E-07	2.38E-08	3.24E-08	5.14E-08	8.88E-09	6.50E-09	2.35E-07
3142	484863.09	3846377.25	4.28E-04	4.37E-04	4.36E-04	1.48E-07	4.48E-07	2.59E-07	2.64E-07	2.40E-07	1.07E-07	1.09E-07	4.95E-09	1.20E-07	2.64E-08	3.59E-08	5.69E-08	9.83E-09	7.20E-09	2.61E-07
3143	485363.09	3846377.25	4.28E-04	4.37E-04	4.37E-04	1.48E-07	4.48E-07	2.59E-07	2.65E-07	2.40E-07	1.07E-07	1.09E-07	4.95E-09	1.20E-07	2.64E-08	3.59E-08	5.70E-08	9.84E-09	7.21E-09	2.61E-07
3144	485863.09	3846377.25	3.99E-04	4.07E-04	4.07E-04	1.38E-07	4.17E-07	2.42E-07	2.47E-07	2.23E-07	9.99E-08	1.02E-07	4.62E-09	1.11E-07	2.46E-08	3.35E-08	5.31E-08	9.17E-09	6.72E-09	2.43E-07
3145	486363.09	3846377.25	3.37E-04	3.43E-04	3.43E-04	1.16E-07	3.52E-07	2.04E-07	2.08E-07	1.88E-07	8.42E-08	8.58E-08	3.89E-09	9.40E-08	2.07E-08	2.82E-08	4.47E-08	7.73E-09	5.66E-09	2.05E-07
3146	486863.09	3846377.25	3.20E-04	3.27E-04	3.26E-04	1.11E-07	3.34E-07	1.94E-07	1.98E-07	1.79E-07	8.01E-08	8.16E-08	3.70E-09	8.94E-08	1.97E-08	2.68E-08	4.26E-08	7.35E-09	5.38E-09	1.95E-07
3147	487363.09	3846377.25	3.31E-04	3.38E-04	3.37E-04	1.15E-07	3.46E-07	2.00E-07	2.04E-07	1.85E-07	8.28E-08	8.44E-08	3.83E-09	9.24E-08	2.04E-08	2.77E-08	4.40E-08	7.60E-09	5.57E-09	2.02E-07
3148	487863.09	3846377.25	3.69E-04	3.77E-04	3.76E-04	1.28E-07	3.86E-07	2.23E-07	2.28E-07	2.07E-07	9.24E-08	9.42E-08	4.27E-09	1.03E-07	2.27E-08	3.10E-08	4.91E-08	8.48E-09	6.21E-09	2.25E-07
3149	488363.09	3846377.25	3.60E-04	3.68E-04	3.67E-04	1.25E-07	3.77E-07	2.18E-07	2.23E-07	2.02E-07	9.02E-08	9.19E-08	4.17E-09	1.01E-07	2.22E-08	3.02E-08	4.79E-08	8.28E-09	6.06E-09	2.19E-07
3150	488863.09	3846377.25	3.56E-04	3.63E-04	3.63E-04	1.23E-07	3.72E-07	2.15E-07	2.20E-07	1.99E-07	8.91E-08	9.08E-08	4.11E-09	9.94E-08	2.19E-08	2.98E-08	4.73E-08	8.18E-09	5.99E-09	2.17E-07
3151	489363.09	3846377.25	3.49E-04	3.56E-04	3.56E-04	1.21E-07	3.65E-07	2.11E-07	2.16E-07	1.95E-07	8.74E-08	8.91E-08	4.04E-09	9.75E-08	2.15E-08	2.93E-08	4.64E-08	8.02E-09	5.88E-09	2.13E-07
3152	489863.09	3846377.25	3.26E-04	3.33E-04	3.32E-04	1.13E-07	3.41E-07	1.97E-07	2.01E-07	1.82E-07	8.16E-08	8.31E-08	3.77E-09	9.10E-08	2.01E-08	2.73E-08	4.33E-08	7.49E-09	5.48E-09	1.98E-07
3153	490363.09	3846377.25	2.64E-04	2.69E-04	2.69E-04	9.14E-08	2.76E-07	1.60E-07	1.63E-07	1.48E-07	6.61E-08	6.73E-08	3.05E-09	7.37E-08	1.63E-08	2.21E-08	3.51E-08	6.06E-09	4.44E-09	1.61E-07
3154	490863.09	3846377.25	2.40E-04	2.45E-04	2.45E-04	8.31E-08	2.51E-07	1.45E-07	1.48E-07	1.34E-07	6.01E-08	6.13E-08	2.78E-09	6.71E-08	1.48E-08	2.01E-08	3.19E-08	5.52E-09	4.04E-09	1.46E-07
3155	491363.09	3846377.25	2.35E-04	2.39E-04	2.39E-04	8.12E-08	2.45E-07	1.42E-07	1.45E-07	1.31E-07	5.87E-08	5.98E-08	2.71E-09	6.55E-08	1.45E-08	1.97E-08	3.12E-08	5.39E-09	3.95E-09	1.43E-07
3156	491863.09	3846377.25	2.73E-04	2.78E-04	2.78E-04	9.44E-08	2.85E-07	1.65E-07	1.68E-07	1.53E-07	6.82E-08	6.95E-08	3.15E-09	7.61E-08	1.68E-08	2.28E-08	3.62E-08	6.26E-09	4.59E-09	1.66E-07
3157	492363.09	3846377.25	2.61E-04	2.66E-04	2.66E-04	9.03E-08	2.73E-07	1.58E-07	1.61E-07	1.46E-07	6.53E-08	6.65E-08	3.01E-09	7.28E-08	1.61E-08	2.19E-08	3.47E-08	5.99E-09	4.39E-09	1.59E-07
3158	492863.09	3846377.25	2.63E-04	2.68E-04	2.68E-04	9.10E-08	2.75E-07	1.59E-07	1.62E-07	1.47E-07	6.58E-08	6.70E-08	3.04E-09	7.34E-08	1.62E-08	2.20E-08	3.50E-08	6.04E-09	4.42E-09	1.60E-07
3159	493363.09	3846377.25	2.90E-04	2.96E-04	2.95E-04	1.00E-07	3.03E-07	1.75E-07	1.79E-07	1.62E-07	7.25E-08	7.39E-08	3.35E-09	8.09E-08	1.78E-08	2.43E-08	3.85E-08	6.65E-09	4.87E-09	1.76E-07
3160	493863.09	3846377.25	3.01E-04	3.07E-04	3.07E-04	1.04E-07	3.14E-07	1.82E-07	1.86E-07	1.68E-07	7.53E-08	7.67E-08	3.48E-09	8.40E-08	1.85E-08	2.52E-08	4.00E-08	6.91E-09	5.06E-09	1.83E-07
3161	494363.09	3846377.25	3.09E-04	3.15E-04	3.15E-04	1.07E-07	3.23E-07	1.87E-07	1.91E-07	1.73E-07	7.73E-08	7.88E-08	3.57E-09	8.62E-08	1.90E-08	2.59E-08	4.11E-08	7.09E-09	5.20E-09	1.88E-07
3162	494863.09	3846377.25	3.14E-04	3.20E-04	3.20E-04	1.09E-07	3.28E-07	1.90E-07	1.94E-07	1.76E-07	7.85E-08	8.00E-08	3.63E-09	8.76E-08	1.93E-08	2.63E-08	4.17E-08	7.21E-09	5.28E-09	1.91E-07
3163	495363.09	3846377.25	3.17E-04	3.24E-04	3.23E-04	1.10E-07	3.32E-07	1.92E-07	1.96E-07	1.78E-07	7.94E-08	8.10E-08	3.67E-09	8.86E-08	1.96E-08	2.66E-08	4.22E-08	7.29E-09	5.34E-09	1.93E-07
3164	495863.09	3846377.25	3.25E-04	3.32E-04	3.32E-04	1.13E-07	3.40E-07	1.97E-07	2.01E-07	1.82E-07	8.14E-08	8.30E-08	3.76E-09	9.08E-08	2.00E-08	2.73E-08	4.33E-08	7.47E-09	5.47E-09	1.98E-07
3165	496363.09	3846377.25	3.32E-04	3.39E-04	3.38E-04	1.15E-07	3.47E-07	2.01E-07	2.05E-07	1.86E-07	8.30E-08	8.46E-08	3.84E-09	9.26E-08	2.04E-08	2.78E-08	4.41E-08	7.62E-09	5.58E-09	2.02E-07
3166	496863.09	3846377.25	3.35E-04	3.42E-04	3.41E-04	1.16E-07	3.50E-07	2.03E-07	2.07E-07	1.88E-07	8.38E-08	8.55E-08	3.87E-09	9.35E-08	2.06E-08	2.81E-08	4.46E-08	7.70E-09	5.64E-09	2.04E-07
3167	497363.09	3846377.25	3.36E-04	3.43E-04	3.42E-04	1.16E-07	3.51E-07	2.03E-07	2.07E-07	1.88E-07	8.41E-08	8.57E-08	3.88E-09	9.38E-08	2.07E-08	2.82E-08	4.47E-08	7.72E-09	5.65E-09	2.05E-07
3168	497863.09	3846377.25	3.33E-04	3.40E-04	3.39E-04	1.15E-07	3.48E-07	2.01E-07	2.06E-07	1.86E-07	8.33E-08	8.49E-08	3.85E-09	9.30E-08	2.05E-08	2.79E-08	4.43E-08	7.65E-09	5.60E-09	2.03E-07
3169	498363.09	3846377.25	3.27E-04	3.34E-04	3.34E-04	1.13E-07	3.42E-07	1.98E-07	2.02E-07	1.83E-07	8.19E-08	8.35E-08	3.78E-09	9.14E-08	2.02E-08	2.74E-08	4.35E-08	7.52E-09	5.51E-09	1.99E-07
3170	471363.09	3846877.25	7.12E-04	7.26E-04	7.26E-04	2.46E-07	7.44E-07	4.31E-07	4.40E-07	3.98E-07	1.78E-07	1.82E-07	8.23E-09	1.99E-07	4.39E-08	5.97E-08	9.47E-08	1.64E-08	1.20E-08	4.34E-07
3171	471863.09	3846877.25	8.41E-04	8.58E-04	8.57E-04	2.91E-07	8.79E-07	5.09E-07	5.19E-07	4.71E-07	2.10E-07	2.15E-07	9.72E-09	2.35E-07	5.18E-08	7.05E-08	1.12E-07	1.93E-08	1.41E-08	5.12E-07
3172	472363.09	3846877.25	9.14E-04	9.33E-04	9.32E-04	3.16E-07	9.55E-07	5.53E-07	5.64E-07	5.12E-07	2.29E-07	2.33E-07	1.06E-08	2.55E-07	5.63E-08	7.66E-08	1.22E-07	2.10E-08	1.54E-08	5.57E-07
3173	472863.09	3846877.25	4.05E-04	4.14E-04	4.13E-04	1.40E-07	4.24E-07	2.45E-07	2.50E-07	2.27E-07	1.01E-07	1.03E-07	4.69E-09	1.13E-07	2.50E-08	3.40E-08	5.39E-08	9.31E-09	6.82E-09	2.47E-07
3174	473363.09	3846877.25	5.11E-04	5.21E-04	5.21E-04	1.77E-07	5.34E-07	3.09E-07	3.15E-07	2.86E-07	1.28E-07	1.30E-07	5.91E-09	1.43E-07	3.15E-08	4.28E-08	6.79E-08	1.17E-08	8.60E-09	3.11E-07
3175	473863.09	3846877.25	6.15E-04	6.27E-04	6.26E-04	2.13E-07	6.42E-07	3.72E-07	3.80E-07	3.44E-07	1.54E-07	1.57E-07	7.11E-09	1.72E-07	3.79E-08	5.15E-08	8.17E-08	1.41E-08	1.03E-08	3.74E-07
3176	474363.09	3846877.25	6.07E-04	6.19E-04	6.19E-04	2.10E-07	6.34E-07	3.67E-07	3.75E-07	3.40E-07	1.52E-07	1.55E-07	7.02E-09	1.69E-07	3.74E-08	5.09E-08	8.07E-08	1.39E-08	1.02E-08	3.70E-07
3177	474863.09	3846877.25	6.35E-04	6.48E-04	6.47E-04	2.20E-07	6.64E-07	3.84E-07	3.92E-07	3.55E-07	1.59E-07	1.62E-07	7.34E-09	1.77E-07	3.91E-08	5.32E-08	8.44E-08	1.46E-08	1.07E-08	3.87E-07
3178	475363.09	3846877.25	6.76E-04	6.90E-04	6.89E-04	2.34E-07	7.07E-07	4.09E-07	4.18E-07	3.78E-07	1.69E-07	1.73E-07	7.82E-09	1.89E-07	4.17E-08	5.67E-08	8.99E-08	1.55E-08	1.14E-08	4.12E-07
3179	475863.09	3846877.25	9.27E-04	9.46E-04	9.45E-04	3.21E-07	9.69E-07	5.61E-07	5.72E-07	5.19E-07	2.32E-07	2.36E-07	1.07E-08	2.59E-07	5.71E-08	7.77E-08	1.23E-07	2.13E-08	1.56E-08	5.65E-07
3180	476363.09	3846877.25	1.08E-03	1.10E-03	1.10E-03	3.72E-07	1.12E-06	6.51E-07	6.64E-07	6.02E-07	2.69E-07	2.74E-07	1.24E-08	3.00E-07	6.62E-08	9.01E-08	1.43E-07	2.47E-08	1.81E-08	6.55E-07
3181	476863.09	3846877.25	1.08E-03	1.10E-03	1.10E-03	3.74E-07	1.13E-06	6.53E-07	6.67E-07	6.04E-07	2.70E-07	2.75E-07	1.25E-08	3.02E-07	6.65E-08	9.05E-08	1.44E-07	2.48E-08	1.82E-08	6.58E-07
3182	477363.09	3846877.25	1.08E-03	1.10E-03	1.10E-03	3.75E-07	1.13E-06	6.55E-07	6.68E-07	6.06E-07	2.71E-07	2.76E-07	1.25E-08	3.02E-07	6.67E-08	9.07E-08	1.44E-07	2.49E-08	1.82E-08	6.59E-07
3183	477863.09	3846877.25	1.04E-03	1.06E-03	1.06E-03	3.59E-07	1.08E-06	6.28E-07	6.41E-07	5.81E-07	2.60E-07	2.65E-07	1.20E-08	2.90E-07	6.39E-08	8.70E-08	1.38E-07	2.38E-08	1.75E-08	6.32E-07
3184	478363.09	3846877.25	1.02E-03	1.04E-03	1.04E-03	3.52E-07	1.06E-06	6.16E-07	6.28E-07	5.70E-07	2.55E-07	2.60E-07	1.18E-08	2.84E-07	6.27E-08	8.53E-08	1.35E-07	2.34E-08	1.71E-08	6.20E-07
3185	478863.09	3846877.25	1.03E-03	1.05E-03	1.05E-03	3.56E-07	1.07E-06	6.22E-07	6.34E-07	5.75E-07	2.57E-07	2.62E-07	1.19E-08	2.87E-07	6.33E-08	8.61E-08	1.37E-07	2.36E-08	1.73E-08	6.26E-07

3186	479363.09	3846877.25	9.87E-04	1.01E-03	1.01E-03	3.42E-07	1.03E-06	5.97E-07	6.09E-07	5.52E-07	2.47E-07	2.52E-07	1.14E-08	2.76E-07	6.08E-08	8.27E-08	1.31E-07	2.27E-08	1.66E-08	6.01E-07
3187	479863.09	3846877.25	8.30E-04	8.47E-04	8.46E-04	2.87E-07	8.68E-07	5.02E-07	5.13E-07	4.65E-07	2.08E-07	2.12E-07	9.60E-09	2.32E-07	5.12E-08	6.96E-08	1.10E-07	1.91E-08	1.40E-08	5.06E-07
3188	480363.09	3846877.25	7.39E-04	7.54E-04	7.54E-04	2.56E-07	7.73E-07	4.47E-07	4.56E-07	4.14E-07	1.85E-07	1.89E-07	8.55E-09	2.06E-07	4.56E-08	6.20E-08	9.83E-08	1.70E-08	1.24E-08	4.50E-07
3189	480863.09	3846877.25	7.01E-04	7.16E-04	7.15E-04	2.43E-07	7.33E-07	4.24E-07	4.33E-07	3.93E-07	1.76E-07	1.79E-07	8.11E-09	1.96E-07	4.32E-08	5.88E-08	9.33E-08	1.61E-08	1.18E-08	4.27E-07
3190	481363.09	3846877.25	7.30E-04	7.45E-04	7.44E-04	2.53E-07	7.63E-07	4.42E-07	4.51E-07	4.09E-07	1.83E-07	1.86E-07	8.44E-09	2.04E-07	4.50E-08	6.12E-08	9.71E-08	1.68E-08	1.23E-08	4.44E-07
3191	481863.09	3846877.25	7.13E-04	7.27E-04	7.26E-04	2.47E-07	7.45E-07	4.31E-07	4.40E-07	3.99E-07	1.78E-07	1.82E-07	8.24E-09	1.99E-07	4.39E-08	5.98E-08	9.48E-08	1.64E-08	1.20E-08	4.34E-07
3192	482363.09	3846877.25	6.25E-04	6.38E-04	6.37E-04	2.16E-07	6.54E-07	3.78E-07	3.86E-07	3.50E-07	1.56E-07	1.59E-07	7.23E-09	1.75E-07	3.85E-08	5.24E-08	8.32E-08	1.44E-08	1.05E-08	3.81E-07
3193	482863.09	3846877.25	6.09E-04	6.21E-04	6.20E-04	2.11E-07	6.36E-07	3.68E-07	3.76E-07	3.41E-07	1.52E-07	1.55E-07	7.04E-09	1.70E-07	3.75E-08	5.10E-08	8.10E-08	1.40E-08	1.02E-08	3.71E-07
3194	483363.09	3846877.25	5.91E-04	6.03E-04	6.02E-04	2.05E-07	6.18E-07	3.57E-07	3.65E-07	3.31E-07	1.48E-07	1.51E-07	6.83E-09	1.65E-07	3.64E-08	4.95E-08	7.86E-08	1.36E-08	9.94E-09	3.60E-07
3195	483863.09	3846877.25	5.77E-04	5.89E-04	5.88E-04	2.00E-07	6.03E-07	3.49E-07	3.56E-07	3.23E-07	1.44E-07	1.47E-07	6.67E-09	1.61E-07	3.56E-08	4.84E-08	7.68E-08	1.33E-08	9.71E-09	3.52E-07
3196	484363.09	3846877.25	5.77E-04	5.89E-04	5.88E-04	2.00E-07	6.03E-07	3.49E-07	3.56E-07	3.23E-07	1.44E-07	1.47E-07	6.67E-09	1.61E-07	3.56E-08	4.84E-08	7.68E-08	1.33E-08	9.71E-09	3.52E-07
3197	484863.09	3846877.25	5.58E-04	5.69E-04	5.69E-04	1.93E-07	5.83E-07	3.38E-07	3.45E-07	3.12E-07	1.40E-07	1.42E-07	6.45E-09	1.56E-07	3.44E-08	4.68E-08	7.42E-08	1.28E-08	9.39E-09	3.40E-07
3198	485363.09	3846877.25	5.58E-04	5.69E-04	5.69E-04	1.93E-07	5.83E-07	3.38E-07	3.44E-07	3.12E-07	1.40E-07	1.42E-07	6.45E-09	1.56E-07	3.44E-08	4.68E-08	7.42E-08	1.28E-08	9.39E-09	3.40E-07
3199	485863.09	3846877.25	5.25E-04	5.36E-04	5.35E-04	1.82E-07	5.49E-07	3.18E-07	3.24E-07	2.94E-07	1.31E-07	1.34E-07	6.07E-09	1.47E-07	3.24E-08	4.40E-08	6.98E-08	1.21E-08	8.83E-09	3.20E-07
3200	486363.09	3846877.25	5.47E-04	5.58E-04	5.57E-04	1.89E-07	5.71E-07	3.31E-07	3.37E-07	3.06E-07	1.37E-07	1.39E-07	6.32E-09	1.53E-07	3.37E-08	4.58E-08	7.27E-08	1.26E-08	9.20E-09	3.33E-07
3201	486863.09	3846877.25	4.64E-04	4.74E-04	4.73E-04	1.61E-07	4.85E-07	2.81E-07	2.87E-07	2.60E-07	1.16E-07	1.18E-07	5.36E-09	1.30E-07	2.86E-08	3.89E-08	6.17E-08	1.07E-08	7.81E-09	2.83E-07
3202	487363.09	3846877.25	4.71E-04	4.81E-04	4.80E-04	1.63E-07	4.92E-07	2.85E-07	2.91E-07	2.64E-07	1.18E-07	1.20E-07	5.45E-09	1.32E-07	2.90E-08	3.95E-08	6.27E-08	1.08E-08	7.93E-09	2.87E-07
3203	487863.09	3846877.25	4.62E-04	4.72E-04	4.71E-04	1.60E-07	4.83E-07	2.80E-07	2.85E-07	2.59E-07	1.16E-07	1.18E-07	5.34E-09	1.29E-07	2.85E-08	3.88E-08	6.15E-08	1.06E-08	7.78E-09	2.82E-07
3204	488363.09	3846877.25	4.43E-04	4.52E-04	4.51E-04	1.53E-07	4.63E-07	2.68E-07	2.73E-07	2.48E-07	1.11E-07	1.13E-07	5.12E-09	1.24E-07	2.73E-08	3.71E-08	5.89E-08	1.02E-08	7.45E-09	2.70E-07
3205	488863.09	3846877.25	4.36E-04	4.45E-04	4.45E-04	1.51E-07	4.56E-07	2.64E-07	2.69E-07	2.44E-07	1.09E-07	1.11E-07	5.04E-09	1.22E-07	2.69E-08	3.66E-08	5.80E-08	1.00E-08	7.34E-09	2.66E-07
3206	489363.09	3846877.25	4.29E-04	4.37E-04	4.37E-04	1.48E-07	4.48E-07	2.59E-07	2.65E-07	2.40E-07	1.07E-07	1.09E-07	4.96E-09	1.20E-07	2.64E-08	3.59E-08	5.70E-08	9.85E-09	7.21E-09	2.61E-07
3207	489863.09	3846877.25	4.02E-04	4.10E-04	4.10E-04	1.39E-07	4.20E-07	2.43E-07	2.48E-07	2.25E-07	1.01E-07	1.03E-07	4.65E-09	1.12E-07	2.48E-08	3.37E-08	5.35E-08	9.24E-09	6.77E-09	2.45E-07
3208	490363.09	3846877.25	3.37E-04	3.43E-04	3.43E-04	1.16E-07	3.52E-07	2.04E-07	2.08E-07	1.88E-07	8.42E-08	8.58E-08	3.89E-09	9.40E-08	2.07E-08	2.82E-08	4.47E-08	7.73E-09	5.66E-09	2.05E-07
3209	490863.09	3846877.25	3.17E-04	3.24E-04	3.23E-04	1.10E-07	3.31E-07	1.92E-07	1.96E-07	1.77E-07	7.94E-08	8.09E-08	3.67E-09	8.85E-08	1.95E-08	2.66E-08	4.22E-08	7.28E-09	5.33E-09	1.93E-07
3210	491363.09	3846877.25	3.12E-04	3.18E-04	3.18E-04	1.08E-07	3.26E-07	1.89E-07	1.92E-07	1.74E-07	7.80E-08	7.95E-08	3.60E-09	8.70E-08	1.92E-08	2.61E-08	4.15E-08	7.16E-09	5.25E-09	1.90E-07
3211	491863.09	3846877.25	2.88E-04	2.94E-04	2.94E-04	9.99E-08	3.02E-07	1.75E-07	1.78E-07	1.61E-07	7.22E-08	7.36E-08	3.33E-09	8.05E-08	1.78E-08	2.42E-08	3.84E-08	6.63E-09	4.85E-09	1.76E-07
3212	492363.09	3846877.25	3.31E-04	3.38E-04	3.37E-04	1.15E-07	3.46E-07	2.00E-07	2.04E-07	1.85E-07	8.28E-08	8.44E-08	3.83E-09	9.24E-08	2.04E-08	2.77E-08	4.40E-08	7.60E-09	5.57E-09	2.02E-07
3213	492863.09	3846877.25	3.31E-04	3.37E-04	3.37E-04	1.14E-07	3.46E-07	2.00E-07	2.04E-07	1.85E-07	8.27E-08	8.43E-08	3.82E-09	9.23E-08	2.04E-08	2.77E-08	4.40E-08	7.59E-09	5.56E-09	2.01E-07
3214	493363.09	3846877.25	3.42E-04	3.48E-04	3.48E-04	1.18E-07	3.57E-07	2.07E-07	2.11E-07	1.91E-07	8.55E-08	8.71E-08	3.95E-09	9.54E-08	2.10E-08	2.86E-08	4.54E-08	7.84E-09	5.75E-09	2.08E-07
3215	493863.09	3846877.25	3.46E-04	3.53E-04	3.52E-04	1.20E-07	3.61E-07	2.09E-07	2.13E-07	1.93E-07	8.65E-08	8.82E-08	4.00E-09	9.65E-08	2.13E-08	2.90E-08	4.60E-08	7.94E-09	5.82E-09	2.10E-07
3216	494363.09	3846877.25	3.43E-04	3.50E-04	3.50E-04	1.19E-07	3.59E-07	2.08E-07	2.12E-07	1.92E-07	8.59E-08	8.76E-08	3.97E-09	9.59E-08	2.12E-08	2.88E-08	4.57E-08	7.88E-09	5.78E-09	2.09E-07
3217	494863.09	3846877.25	3.44E-04	3.51E-04	3.51E-04	1.19E-07	3.60E-07	2.08E-07	2.13E-07	1.93E-07	8.62E-08	8.79E-08	3.98E-09	9.62E-08	2.12E-08	2.89E-08	4.58E-08	7.91E-09	5.80E-09	2.10E-07
3218	495363.09	3846877.25	3.44E-04	3.51E-04	3.51E-04	1.19E-07	3.60E-07	2.08E-07	2.12E-07	1.93E-07	8.61E-08	8.78E-08	3.98E-09	9.61E-08	2.12E-08	2.89E-08	4.58E-08	7.90E-09	5.79E-09	2.10E-07
3219	495863.09	3846877.25	3.44E-04	3.51E-04	3.50E-04	1.19E-07	3.59E-07	2.08E-07	2.12E-07	1.92E-07	8.61E-08	8.77E-08	3.97E-09	9.60E-08	2.12E-08	2.88E-08	4.57E-08	7.90E-09	5.79E-09	2.09E-07
3220	496363.09	3846877.25	3.45E-04	3.52E-04	3.52E-04	1.20E-07	3.61E-07	2.09E-07	2.13E-07	1.93E-07	8.64E-08	8.81E-08	3.99E-09	9.64E-08	2.13E-08	2.89E-08	4.59E-08	7.93E-09	5.81E-09	2.10E-07
3221	496863.09	3846877.25	3.52E-04	3.59E-04	3.59E-04	1.22E-07	3.68E-07	2.13E-07	2.17E-07	1.97E-07	8.81E-08	8.97E-08	4.07E-09	9.82E-08	2.17E-08	2.95E-08	4.68E-08	8.08E-09	5.92E-09	2.14E-07
3222	497363.09	3846877.25	3.63E-04	3.70E-04	3.70E-04	1.26E-07	3.79E-07	2.20E-07	2.24E-07	2.03E-07	9.09E-08	9.26E-08	4.20E-09	1.01E-07	2.24E-08	3.04E-08	4.83E-08	8.34E-09	6.11E-09	2.21E-07
3223	497863.09	3846877.25	3.69E-04	3.76E-04	3.76E-04	1.28E-07	3.85E-07	2.23E-07	2.28E-07	2.06E-07	9.23E-08	9.40E-08	4.26E-09	1.03E-07	2.27E-08	3.09E-08	4.90E-08	8.47E-09	6.20E-09	2.24E-07
3224	498363.09	3846877.25	3.58E-04	3.66E-04	3.65E-04	1.24E-07	3.75E-07	2.17E-07	2.21E-07	2.01E-07	8.97E-08	9.14E-08	4.14E-09	1.00E-07	2.21E-08	3.00E-08	4.76E-08	8.23E-09	6.03E-09	2.18E-07
3225	471363.09	3847377.25	8.48E-04	8.65E-04	8.64E-04	2.94E-07	8.86E-07	5.13E-07	5.24E-07	4.75E-07	2.12E-07	2.16E-07	9.80E-09	2.37E-07	5.23E-08	7.11E-08	1.13E-07	1.95E-08	1.43E-08	5.16E-07
3226	471863.09	3847377.25	9.72E-04	9.92E-04	9.90E-04	3.36E-07	1.02E-06	5.88E-07	6.00E-07	5.44E-07	2.43E-07	2.48E-07	1.12E-08	2.71E-07	5.99E-08	8.15E-08	1.29E-07	2.23E-08	1.64E-08	5.92E-07
3227	472363.09	3847377.25	1.17E-03	1.19E-03	1.19E-03	4.04E-07	1.22E-06	7.07E-07	7.21E-07	6.54E-07	2.92E-07	2.98E-07	1.35E-08	3.26E-07	7.19E-08	9.79E-08	1.55E-07	2.68E-08	1.96E-08	7.11E-07
3228	472863.09	3847377.25	1.47E-03	1.50E-03	1.50E-03	5.11E-07	1.54E-06	8.92E-07	9.11E-07	8.25E-07	3.69E-07	3.76E-07	1.70E-08	4.12E-07	9.09E-08	1.24E-07	1.96E-07	3.39E-08	2.48E-08	8.98E-07
3229	473363.09	3847377.25	1.01E-03	1.03E-03	1.03E-03	3.50E-07	1.06E-06	6.13E-07	6.25E-07	5.67E-07	2.53E-07	2.58E-07	1.17E-08	2.83E-07	6.24E-08	8.49E-08	1.35E-07	2.33E-08	1.70E-08	6.17E-07
3230	473863.09	3847377.25	1.03E-03	1.05E-03	1.05E-03	3.55E-07	1.07E-06	6.21E-07	6.34E-07	5.74E-07	2.57E-07	2.62E-07	1.19E-08	2.87E-07	6.32E-08	8.60E-08	1.36E-07	2.36E-08	1.73E-08	6.25E-07
3231	474363.09	3847377.25	1.18E-03	1.21E-03	1.20E-03	4.09E-07	1.24E-06	7.15E-07	7.30E-07	6.62E-07	2.96E-07	3.02E-07	1.37E-08	3.30E-07	7.28E-08	9.91E-08	1.57E-07	2.72E-08	1.99E-08	7.20E-07
3232	474863.09	3847377.25	1.26E-03	1.29E-03	1.29E-03	4.38E-07	1.32E-06	7.65E-07	7.81E-07	7.08E-07	3.16E-07	3.23E-07	1.46E-08	3.53E-07	7.79E-08	1.06E-07	1.68E-07	2.90E-08	2.13E-08	7.70E-07
3233	475363.09	3847377.25	1.40E-03	1.43E-03	1.43E-03	4.86E-07	1.47E-06	8.49E-07	8.66E-07	7.85E-07	3.51E-07	3.58E-07	1.62E-08	3.92E-07	8.64E-08	1.18E-07	1.87E-07	3.22E-08	2.36E-08	8.54E-07
3234	475863.09	3847377.25	1.88E-03	1.92E-03	1.92E-03	6.52E-07	1.97E-06	1.14E-06	1.16E-06	1.05E-06	4.71E-07	4.81E-07	2.18E-08	5.26E-07	1.16E-07	1.58E-07	2.51E-07	4.33E-08	3.17E-08	1.15E-06
3235	476363.09	3847377.25	2.25E-03	2.29E-03	2.29E-03	7.78E-07	2.35E-06	1.36E-06	1.39E-06	1.26E-06	5.62E-07	5.73E-07	2.60E-08	6.27E-07	1.38E-07	1.88E-07	2.99E-07	5.16E-08	3.78E-08	1.37E-06
3236	476863.09	3847377.25	2.10E-03	2.14E-03	2.14E-03	7.27E-07	2.20E-06	1.27E-06	1.30E-06	1.18E-06	5.26E-07	5.36E-07	2.43E-08	5.86E-07	1.29E-07	1.76E-07	2.79E-07	4.82E-08	3.53E-08	1.28E-06
3237	477363.09	3847377.25	2.01E-03	2.05E-03	2.05E-03	6.96E-07	2.10E-06	1.22E-06	1.24E-06	1.13E-06	5.03E-07	5.13E-07	2.32E-08	5.61E-07	1.24E-07	1.69E-07	2.67E-07	4.62E-08	3.38E-08	1.22E-06
3238	477863.09	3847377.25	1.84E-03	1.88E-03	1.88E-03	6.39E-07	1.93E-06	1.12E-06	1.14E-06	1.03E-06	4.62E-07	4.71E-07	2.13E-08	5.15E-07	1.14E-07	1.55E-07	2.45E-07	4.24E-08	3.10E-08	1.12E-06
3239	478363.09	3847377.25	1.75E-03	1.78E-03	1.78E-03	6.05E-07	1.83E-06	1.06E-06	1.08E-06	9.78E-07	4.37E-07	4.46E-07	2.02E-08	4.88E-07	1.08E-07	1.46E-07	2.32E-07	4.01E-08	2.94E-08	1.06E-06
3240	478863.09	3847377.25	1.69E-03	1.72E-03	1.72E-03	5.84E-07	1.76E-06	1.02E-06	1.04E-06	9.44E-07	4.22E-07	4.30E-07	1.95E-08	4.71E-07	1.04E-07	1.41E-07	2.24E-07	3.87E-08	2.84E-08	1.03E-06
3241	479363.09	3847377.25	1.40E-03	1.43E-03	1.43E-03	4.85E-07	1.47E-06	8.48E-07	8.66E-07	7.85E-07	3.51E-07	3.58E-07	1.62E-08	3.92E-07	8.64E-08	1.18E-07	1.86E-07	3.22E-08	2.36E-08	8.54E-07
3242	479863.09	3847377.25	1.09E-03	1.11E-03	1.11E-03	3.77E-07	1.14E-06	6.60E-07	6.73E-07	6.10E-07	2.73E-07	2.78E-07	1.26E-08	3.04E-07	6.72E-08	9.14E-08	1.45E-07	2.50E-08	1.83E-08	6.64E-07

3243	480363.09	3847377.25	8.19E-04	8.36E-04	8.35E-04	2.84E-07	8.57E-07	4.96E-07	5.06E-07	4.59E-07	2.05E-07	2.09E-07	9.47E-09	2.29E-07	5.05E-08	6.87E-08	1.09E-07	1.88E-08	1.38E-08	4.99E-07
3244	480863.09	3847377.25	7.37E-04	7.52E-04	7.51E-04	2.55E-07	7.70E-07	4.46E-07	4.55E-07	4.12E-07	1.84E-07	1.88E-07	8.52E-09	2.06E-07	4.54E-08	6.18E-08	9.80E-08	1.69E-08	1.24E-08	4.49E-07
3245	481363.09	3847377.25	8.05E-04	8.22E-04	8.21E-04	2.79E-07	8.42E-07	4.87E-07	4.97E-07	4.51E-07	2.02E-07	2.05E-07	9.31E-09	2.25E-07	4.96E-08	6.75E-08	1.07E-07	1.85E-08	1.35E-08	4.90E-07
3246	481863.09	3847377.25	9.65E-04	9.85E-04	9.84E-04	3.34E-07	1.01E-06	5.84E-07	5.96E-07	5.40E-07	2.42E-07	2.46E-07	1.12E-08	2.70E-07	5.95E-08	8.09E-08	1.28E-07	2.22E-08	1.62E-08	5.88E-07
3247	482363.09	3847377.25	9.24E-04	9.43E-04	9.42E-04	3.20E-07	9.66E-07	5.59E-07	5.70E-07	5.17E-07	2.31E-07	2.36E-07	1.07E-08	2.58E-07	5.69E-08	7.74E-08	1.23E-07	2.12E-08	1.55E-08	5.63E-07
3248	482863.09	3847377.25	8.57E-04	8.75E-04	8.74E-04	2.97E-07	8.96E-07	5.19E-07	5.29E-07	4.80E-07	2.15E-07	2.19E-07	9.91E-09	2.39E-07	5.28E-08	7.19E-08	1.14E-07	1.97E-08	1.44E-08	5.22E-07
3249	483363.09	3847377.25	7.95E-04	8.11E-04	8.10E-04	2.75E-07	8.31E-07	4.81E-07	4.91E-07	4.45E-07	1.99E-07	2.03E-07	9.19E-09	2.22E-07	4.90E-08	6.66E-08	1.06E-07	1.83E-08	1.34E-08	4.84E-07
3250	483863.09	3847377.25	7.73E-04	7.89E-04	7.88E-04	2.68E-07	8.08E-07	4.68E-07	4.77E-07	4.33E-07	1.93E-07	1.97E-07	8.93E-09	2.16E-07	4.76E-08	6.48E-08	1.03E-07	1.78E-08	1.30E-08	4.71E-07
3251	484363.09	3847377.25	7.95E-04	8.12E-04	8.11E-04	2.75E-07	8.31E-07	4.81E-07	4.91E-07	4.45E-07	1.99E-07	2.03E-07	9.19E-09	2.22E-07	4.90E-08	6.67E-08	1.06E-07	1.83E-08	1.34E-08	4.84E-07
3252	484863.09	3847377.25	7.56E-04	7.71E-04	7.70E-04	2.62E-07	7.90E-07	4.57E-07	4.66E-07	4.23E-07	1.89E-07	1.93E-07	8.73E-09	2.11E-07	4.65E-08	6.33E-08	1.00E-07	1.74E-08	1.27E-08	4.60E-07
3253	485363.09	3847377.25	7.35E-04	7.50E-04	7.49E-04	2.54E-07	7.68E-07	4.45E-07	4.54E-07	4.11E-07	1.84E-07	1.87E-07	8.49E-09	2.05E-07	4.53E-08	6.16E-08	9.77E-08	1.69E-08	1.24E-08	4.48E-07
3254	485863.09	3847377.25	7.31E-04	7.46E-04	7.45E-04	2.53E-07	7.64E-07	4.43E-07	4.52E-07	4.09E-07	1.83E-07	1.87E-07	8.45E-09	2.04E-07	4.51E-08	6.13E-08	9.73E-08	1.68E-08	1.23E-08	4.45E-07
3255	486363.09	3847377.25	7.24E-04	7.39E-04	7.38E-04	2.51E-07	7.57E-07	4.38E-07	4.47E-07	4.05E-07	1.81E-07	1.85E-07	8.37E-09	2.02E-07	4.46E-08	6.07E-08	9.63E-08	1.66E-08	1.22E-08	4.41E-07
3256	486863.09	3847377.25	6.42E-04	6.55E-04	6.54E-04	2.22E-07	6.71E-07	3.88E-07	3.96E-07	3.59E-07	1.61E-07	1.64E-07	7.42E-09	1.79E-07	3.95E-08	5.38E-08	8.53E-08	1.47E-08	1.08E-08	3.91E-07
3257	487363.09	3847377.25	6.38E-04	6.51E-04	6.50E-04	2.21E-07	6.67E-07	3.86E-07	3.94E-07	3.57E-07	1.60E-07	1.63E-07	7.37E-09	1.78E-07	3.93E-08	5.35E-08	8.48E-08	1.47E-08	1.07E-08	3.89E-07
3258	487863.09	3847377.25	5.80E-04	5.92E-04	5.92E-04	2.01E-07	6.07E-07	3.51E-07	3.58E-07	3.25E-07	1.45E-07	1.48E-07	6.71E-09	1.62E-07	3.58E-08	4.87E-08	7.72E-08	1.33E-08	9.77E-09	3.54E-07
3259	488363.09	3847377.25	5.55E-04	5.66E-04	5.66E-04	1.92E-07	5.80E-07	3.36E-07	3.43E-07	3.11E-07	1.39E-07	1.42E-07	6.42E-09	1.55E-07	3.42E-08	4.65E-08	7.38E-08	1.28E-08	9.34E-09	3.38E-07
3260	488863.09	3847377.25	5.40E-04	5.51E-04	5.50E-04	1.87E-07	5.64E-07	3.26E-07	3.33E-07	3.02E-07	1.35E-07	1.38E-07	6.24E-09	1.51E-07	3.32E-08	4.52E-08	7.17E-08	1.24E-08	9.08E-09	3.29E-07
3261	489363.09	3847377.25	5.25E-04	5.36E-04	5.35E-04	1.82E-07	5.49E-07	3.18E-07	3.24E-07	2.94E-07	1.31E-07	1.34E-07	6.07E-09	1.47E-07	3.24E-08	4.40E-08	6.99E-08	1.21E-08	8.84E-09	3.20E-07
3262	489863.09	3847377.25	4.77E-04	4.87E-04	4.86E-04	1.65E-07	4.98E-07	2.88E-07	2.94E-07	2.67E-07	1.19E-07	1.22E-07	5.51E-09	1.33E-07	2.94E-08	4.00E-08	6.34E-08	1.10E-08	8.02E-09	2.90E-07
3263	490363.09	3847377.25	4.32E-04	4.41E-04	4.40E-04	1.50E-07	4.52E-07	2.61E-07	2.67E-07	2.42E-07	1.08E-07	1.10E-07	4.99E-09	1.21E-07	2.66E-08	3.62E-08	5.74E-08	9.92E-09	7.27E-09	2.63E-07
3264	490863.09	3847377.25	4.17E-04	4.26E-04	4.25E-04	1.44E-07	4.36E-07	2.52E-07	2.58E-07	2.34E-07	1.04E-07	1.06E-07	4.82E-09	1.17E-07	2.57E-08	3.50E-08	5.55E-08	9.58E-09	7.02E-09	2.54E-07
3265	491363.09	3847377.25	3.97E-04	4.05E-04	4.05E-04	1.37E-07	4.15E-07	2.40E-07	2.45E-07	2.22E-07	9.93E-08	1.01E-07	4.59E-09	1.11E-07	2.45E-08	3.33E-08	5.28E-08	9.12E-09	6.68E-09	2.42E-07
3266	491863.09	3847377.25	4.14E-04	4.22E-04	4.22E-04	1.43E-07	4.33E-07	2.50E-07	2.56E-07	2.32E-07	1.04E-07	1.06E-07	4.79E-09	1.16E-07	2.55E-08	3.47E-08	5.51E-08	9.51E-09	6.97E-09	2.52E-07
3267	492363.09	3847377.25	3.94E-04	4.02E-04	4.02E-04	1.36E-07	4.12E-07	2.39E-07	2.43E-07	2.21E-07	9.87E-08	1.01E-07	4.56E-09	1.10E-07	2.43E-08	3.31E-08	5.24E-08	9.06E-09	6.63E-09	2.40E-07
3268	492863.09	3847377.25	3.98E-04	4.06E-04	4.06E-04	1.38E-07	4.16E-07	2.41E-07	2.46E-07	2.23E-07	9.96E-08	1.02E-07	4.60E-09	1.11E-07	2.45E-08	3.34E-08	5.29E-08	9.14E-09	6.70E-09	2.42E-07
3269	493363.09	3847377.25	3.95E-04	4.03E-04	4.02E-04	1.37E-07	4.12E-07	2.39E-07	2.44E-07	2.21E-07	9.87E-08	1.01E-07	4.56E-09	1.10E-07	2.43E-08	3.31E-08	5.25E-08	9.06E-09	6.64E-09	2.40E-07
3270	493863.09	3847377.25	3.77E-04	3.85E-04	3.84E-04	1.30E-07	3.94E-07	2.28E-07	2.33E-07	2.11E-07	9.43E-08	9.61E-08	4.36E-09	1.05E-07	2.32E-08	3.16E-08	5.01E-08	8.66E-09	6.34E-09	2.30E-07
3271	494363.09	3847377.25	3.62E-04	3.70E-04	3.69E-04	1.25E-07	3.79E-07	2.19E-07	2.24E-07	2.03E-07	9.06E-08	9.24E-08	4.19E-09	1.01E-07	2.23E-08	3.04E-08	4.82E-08	8.32E-09	6.09E-09	2.21E-07
3272	494863.09	3847377.25	3.55E-04	3.63E-04	3.62E-04	1.23E-07	3.71E-07	2.15E-07	2.19E-07	1.99E-07	8.89E-08	9.06E-08	4.11E-09	9.92E-08	2.19E-08	2.98E-08	4.73E-08	8.16E-09	5.98E-09	2.16E-07
3273	495363.09	3847377.25	3.49E-04	3.56E-04	3.56E-04	1.21E-07	3.65E-07	2.11E-07	2.15E-07	1.95E-07	8.73E-08	8.90E-08	4.03E-09	9.74E-08	2.15E-08	2.92E-08	4.64E-08	8.01E-09	5.87E-09	2.12E-07
3274	495863.09	3847377.25	3.49E-04	3.56E-04	3.55E-04	1.21E-07	3.64E-07	2.11E-07	2.15E-07	1.95E-07	8.72E-08	8.89E-08	4.03E-09	9.73E-08	2.15E-08	2.92E-08	4.64E-08	8.01E-09	5.87E-09	2.12E-07
3275	496363.09	3847377.25	3.46E-04	3.53E-04	3.53E-04	1.20E-07	3.62E-07	2.09E-07	2.14E-07	1.94E-07	8.66E-08	8.82E-08	4.00E-09	9.66E-08	2.13E-08	2.90E-08	4.60E-08	7.95E-09	5.82E-09	2.11E-07
3276	496863.09	3847377.25	3.56E-04	3.64E-04	3.63E-04	1.23E-07	3.72E-07	2.16E-07	2.20E-07	1.99E-07	8.92E-08	9.09E-08	4.12E-09	9.95E-08	2.19E-08	2.99E-08	4.74E-08	8.18E-09	5.99E-09	2.17E-07
3277	497363.09	3847377.25	3.74E-04	3.82E-04	3.81E-04	1.30E-07	3.91E-07	2.26E-07	2.31E-07	2.09E-07	9.37E-08	9.55E-08	4.33E-09	1.04E-07	2.31E-08	3.14E-08	4.98E-08	8.60E-09	6.30E-09	2.28E-07
3278	497863.09	3847377.25	3.97E-04	4.05E-04	4.05E-04	1.37E-07	4.15E-07	2.40E-07	2.45E-07	2.22E-07	9.93E-08	1.01E-07	4.59E-09	1.11E-07	2.45E-08	3.33E-08	5.28E-08	9.12E-09	6.68E-09	2.42E-07
3279	498363.09	3847377.25	3.93E-04	4.01E-04	4.01E-04	1.36E-07	4.11E-07	2.38E-07	2.43E-07	2.20E-07	9.84E-08	1.00E-07	4.54E-09	1.10E-07	2.42E-08	3.30E-08	5.23E-08	9.03E-09	6.61E-09	2.39E-07
3280	471363.09	3847877.25	1.01E-03	1.04E-03	1.03E-03	3.51E-07	1.06E-06	6.14E-07	6.27E-07	5.68E-07	2.54E-07	2.59E-07	1.17E-08	2.83E-07	6.25E-08	8.51E-08	1.35E-07	2.33E-08	1.71E-08	6.18E-07
3281	471863.09	3847877.25	1.20E-03	1.23E-03	1.23E-03	4.17E-07	1.26E-06	7.29E-07	7.44E-07	6.74E-07	3.02E-07	3.07E-07	1.39E-08	3.36E-07	7.42E-08	1.01E-07	1.60E-07	2.77E-08	2.03E-08	7.34E-07
3282	472363.09	3847877.25	1.47E-03	1.50E-03	1.50E-03	5.10E-07	1.54E-06	8.92E-07	9.10E-07	8.25E-07	3.69E-07	3.76E-07	1.70E-08	4.11E-07	9.08E-08	1.24E-07	1.96E-07	3.38E-08	2.48E-08	8.97E-07
3283	472863.09	3847877.25	1.96E-03	2.00E-03	2.00E-03	6.79E-07	2.05E-06	1.19E-06	1.21E-06	1.10E-06	4.91E-07	5.01E-07	2.27E-08	5.48E-07	1.21E-07	1.64E-07	2.61E-07	4.51E-08	3.30E-08	1.19E-06
3284	473363.09	3847877.25	3.21E-03	3.27E-03	3.27E-03	1.11E-06	3.35E-06	1.94E-06	1.98E-06	1.80E-06	8.03E-07	8.18E-07	3.71E-08	8.95E-07	1.98E-07	2.69E-07	4.26E-07	7.37E-08	5.40E-08	1.95E-06
3285	473863.09	3847877.25	1.97E-02	2.01E-02	2.01E-02	6.82E-06	2.06E-05	1.19E-05	1.22E-05	1.10E-05	4.93E-06	5.03E-06	2.28E-07	5.50E-06	1.21E-06	1.65E-06	2.62E-06	4.53E-07	3.32E-07	1.20E-05
3286	474363.09	3847877.25	8.70E-03	8.88E-03	8.87E-03	3.01E-06	9.10E-06	5.27E-06	5.37E-06	4.87E-06	2.18E-06	2.22E-06	1.01E-07	2.43E-06	5.36E-07	7.30E-07	1.16E-06	2.00E-07	1.46E-07	5.30E-06
3287	474863.09	3847877.25	7.15E-03	7.30E-03	7.29E-03	2.48E-06	7.47E-06	4.33E-06	4.41E-06	4.00E-06	1.79E-06	1.82E-06	8.27E-08	2.00E-06	4.41E-07	5.99E-07	9.51E-07	1.64E-07	1.20E-07	4.35E-06
3288	475363.09	3847877.25	4.94E-03	5.04E-03	5.04E-03	1.71E-06	5.17E-06	2.99E-06	3.05E-06	2.77E-06	1.24E-06	1.26E-06	5.71E-08	1.38E-06	3.05E-07	4.14E-07	6.57E-07	1.14E-07	8.32E-08	3.01E-06
3289	475863.09	3847877.25	3.87E-03	3.95E-03	3.94E-03	1.34E-06	4.05E-06	2.34E-06	2.39E-06	2.17E-06	9.69E-07	9.87E-07	4.47E-08	1.08E-06	2.38E-07	3.24E-07	5.15E-07	8.89E-08	6.51E-08	2.36E-06
3290	476363.09	3847877.25	4.38E-03	4.47E-03	4.46E-03	1.52E-06	4.58E-06	2.65E-06	2.70E-06	2.45E-06	1.10E-06	1.12E-06	5.06E-08	1.22E-06	2.70E-07	3.67E-07	5.82E-07	1.01E-07	7.37E-08	2.67E-06
3291	476863.09	3847877.25	3.96E-03	4.04E-03	4.03E-03	1.37E-06	4.14E-06	2.39E-06	2.44E-06	2.21E-06	9.90E-07	1.01E-06	4.57E-08	1.10E-06	2.44E-07	3.32E-07	5.26E-07	9.09E-08	6.66E-08	2.41E-06
3292	477363.09	3847877.25	3.53E-03	3.60E-03	3.60E-03	1.22E-06	3.69E-06	2.14E-06	2.18E-06	1.98E-06	8.84E-07	9.01E-07	4.08E-08	9.86E-07	2.18E-07	2.96E-07	4.70E-07	8.11E-08	5.94E-08	2.15E-06
3293	477863.09	3847877.25	3.17E-03	3.23E-03	3.23E-03	1.10E-06	3.31E-06	1.92E-06	1.95E-06	1.77E-06	7.92E-07	8.07E-07	3.66E-08	8.84E-07	1.95E-07	2.65E-07	4.21E-07	7.27E-08	5.33E-08	1.93E-06
3294	478363.09	3847877.25	2.83E-03	2.89E-03	2.88E-03	9.80E-07	2.96E-06	1.71E-06	1.75E-06	1.58E-06	7.08E-07	7.22E-07	3.27E-08	7.90E-07	1.74E-07	2.37E-07	3.76E-07	6.50E-08	4.76E-08	1.72E-06
3295	478863.09	3847877.25	2.59E-03	2.64E-03	2.64E-03	8.97E-07	2.71E-06	1.57E-06	1.60E-06	1.45E-06	6.49E-07	6.61E-07	3.00E-08	7.24E-07	1.60E-07	2.17E-07	3.45E-07	5.95E-08	4.36E-08	1.58E-06
3296	479363.09	3847877.25	1.92E-03	1.96E-03	1.96E-03	6.65E-07	2.01E-06	1.16E-06	1.19E-06	1.08E-06	4.81E-07	4.90E-07	2.22E-08	5.36E-07	1.18E-07	1.61E-07	2.55E-07	4.41E-08	3.23E-08	1.17E-06
3297	479863.09	3847877.25	1.23E-03	1.26E-03	1.26E-03	4.27E-07	1.29E-06	7.46E-07	7.61E-07	6.90E-07	3.09E-07	3.15E-07	1.43E-08	3.44E-07	7.60E-08	1.03E-07	1.64E-07	2.83E-08	2.07E-08	7.51E-07
3298	480363.09	3847877.25	1.26E-03	1.28E-03	1.28E-03	4.35E-07	1.31E-06	7.61E-07	7.76E-07	7.04E-07	3.15E-07	3.21E-07	1.45E-08	3.51E-07	7.75E-08	1.05E-07	1.67E-07	2.89E-08	2.12E-08	7.66E-07
3299	480863.09	3847877.25	1.11E-03	1.13E-03	1.13E-03	3.83E-07	1.16E-06	6.70E-07	6.83E-07	6.19E-07	2.77E-07	2.82E-07	1.28E-08	3.09E-07	6.82E-08	9.28E-08	1.47E-07	2.54E-08	1.86E-08	6.74E-07

3300	481363.09	3847877.25	1.09E-03	1.11E-03	1.11E-03	3.78E-07	1.14E-06	6.60E-07	6.74E-07	6.11E-07	2.73E-07	2.78E-07	1.26E-08	3.05E-07	6.72E-08	9.14E-08	1.45E-07	2.51E-08	1.84E-08	6.64E-07
3301	481863.09	3847877.25	1.36E-03	1.39E-03	1.39E-03	4.72E-07	1.43E-06	8.25E-07	8.42E-07	7.64E-07	3.41E-07	3.48E-07	1.58E-08	3.81E-07	8.41E-08	1.14E-07	1.81E-07	3.13E-08	2.30E-08	8.31E-07
3302	482363.09	3847877.25	1.27E-03	1.29E-03	1.29E-03	4.38E-07	1.32E-06	7.66E-07	7.82E-07	7.09E-07	3.17E-07	3.23E-07	1.46E-08	3.54E-07	7.80E-08	1.06E-07	1.68E-07	2.91E-08	2.13E-08	7.71E-07
3303	482863.09	3847877.25	1.14E-03	1.17E-03	1.17E-03	3.96E-07	1.20E-06	6.92E-07	7.06E-07	6.40E-07	2.86E-07	2.92E-07	1.32E-08	3.19E-07	7.05E-08	9.59E-08	1.52E-07	2.63E-08	1.93E-08	6.97E-07
3304	483363.09	3847877.25	1.06E-03	1.09E-03	1.09E-03	3.69E-07	1.11E-06	6.44E-07	6.58E-07	5.96E-07	2.67E-07	2.72E-07	1.23E-08	2.97E-07	6.56E-08	8.93E-08	1.42E-07	2.45E-08	1.79E-08	6.49E-07
3305	483863.09	3847877.25	1.03E-03	1.05E-03	1.05E-03	3.57E-07	1.08E-06	6.25E-07	6.37E-07	5.78E-07	2.58E-07	2.63E-07	1.19E-08	2.88E-07	6.36E-08	8.65E-08	1.37E-07	2.37E-08	1.74E-08	6.29E-07
3306	484363.09	3847877.25	1.04E-03	1.06E-03	1.06E-03	3.59E-07	1.09E-06	6.28E-07	6.41E-07	5.81E-07	2.60E-07	2.65E-07	1.20E-08	2.90E-07	6.40E-08	8.70E-08	1.38E-07	2.38E-08	1.75E-08	6.32E-07
3307	484863.09	3847877.25	9.96E-04	1.02E-03	1.01E-03	3.45E-07	1.04E-06	6.02E-07	6.15E-07	5.57E-07	2.49E-07	2.54E-07	1.15E-08	2.78E-07	6.13E-08	8.35E-08	1.32E-07	2.29E-08	1.68E-08	6.06E-07
3308	485363.09	3847877.25	9.83E-04	1.00E-03	1.00E-03	3.40E-07	1.03E-06	5.95E-07	6.07E-07	5.50E-07	2.46E-07	2.51E-07	1.14E-08	2.75E-07	6.06E-08	8.24E-08	1.31E-07	2.26E-08	1.65E-08	5.99E-07
3309	485863.09	3847877.25	9.70E-04	9.90E-04	9.88E-04	3.36E-07	1.01E-06	5.87E-07	5.99E-07	5.43E-07	2.43E-07	2.47E-07	1.12E-08	2.71E-07	5.97E-08	8.13E-08	1.29E-07	2.23E-08	1.63E-08	5.91E-07
3310	486363.09	3847877.25	8.92E-04	9.10E-04	9.09E-04	3.09E-07	9.32E-07	5.40E-07	5.51E-07	4.99E-07	2.23E-07	2.27E-07	1.03E-08	2.49E-07	5.49E-08	7.47E-08	1.19E-07	2.05E-08	1.50E-08	5.43E-07
3311	486863.09	3847877.25	8.30E-04	8.47E-04	8.46E-04	2.87E-07	8.67E-07	5.02E-07	5.12E-07	4.64E-07	2.08E-07	2.12E-07	9.59E-09	2.32E-07	5.11E-08	6.96E-08	1.10E-07	1.91E-08	1.40E-08	5.05E-07
3312	487363.09	3847877.25	7.85E-04	8.01E-04	8.00E-04	2.72E-07	8.21E-07	4.75E-07	4.85E-07	4.40E-07	1.97E-07	2.00E-07	9.08E-09	2.19E-07	4.84E-08	6.58E-08	1.04E-07	1.80E-08	1.32E-08	4.78E-07
3313	487863.09	3847877.25	7.20E-04	7.35E-04	7.34E-04	2.49E-07	7.53E-07	4.36E-07	4.45E-07	4.03E-07	1.80E-07	1.84E-07	8.33E-09	2.01E-07	4.44E-08	6.04E-08	9.58E-08	1.65E-08	1.21E-08	4.39E-07
3314	488363.09	3847877.25	6.84E-04	6.98E-04	6.97E-04	2.37E-07	7.15E-07	4.14E-07	4.22E-07	3.83E-07	1.71E-07	1.74E-07	7.90E-09	1.91E-07	4.21E-08	5.73E-08	9.09E-08	1.57E-08	1.15E-08	4.16E-07
3315	488863.09	3847877.25	6.62E-04	6.75E-04	6.74E-04	2.29E-07	6.91E-07	4.00E-07	4.08E-07	3.70E-07	1.66E-07	1.69E-07	7.65E-09	1.85E-07	4.08E-08	5.55E-08	8.80E-08	1.52E-08	1.11E-08	4.03E-07
3316	489363.09	3847877.25	6.40E-04	6.53E-04	6.53E-04	2.22E-07	6.69E-07	3.87E-07	3.95E-07	3.58E-07	1.60E-07	1.63E-07	7.40E-09	1.79E-07	3.95E-08	5.37E-08	8.51E-08	1.47E-08	1.08E-08	3.90E-07
3317	489863.09	3847877.25	6.43E-04	6.56E-04	6.56E-04	2.23E-07	6.72E-07	3.89E-07	3.97E-07	3.60E-07	1.61E-07	1.64E-07	7.44E-09	1.80E-07	3.96E-08	5.39E-08	8.55E-08	1.48E-08	1.08E-08	3.92E-07
3318	490363.09	3847877.25	6.12E-04	6.25E-04	6.24E-04	2.12E-07	6.40E-07	3.70E-07	3.78E-07	3.43E-07	1.53E-07	1.56E-07	7.07E-09	1.71E-07	3.77E-08	5.13E-08	8.14E-08	1.41E-08	1.03E-08	3.73E-07
3319	490863.09	3847877.25	5.70E-04	5.81E-04	5.81E-04	1.97E-07	5.95E-07	3.45E-07	3.52E-07	3.19E-07	1.43E-07	1.45E-07	6.58E-09	1.59E-07	3.51E-08	4.77E-08	7.57E-08	1.31E-08	9.58E-09	3.47E-07
3320	491363.09	3847877.25	5.10E-04	5.20E-04	5.20E-04	1.76E-07	5.33E-07	3.08E-07	3.15E-07	2.85E-07	1.28E-07	1.30E-07	5.89E-09	1.42E-07	3.14E-08	4.27E-08	6.78E-08	1.17E-08	8.58E-09	3.10E-07
3321	491863.09	3847877.25	4.90E-04	5.00E-04	5.00E-04	1.70E-07	5.12E-07	2.97E-07	3.03E-07	2.74E-07	1.23E-07	1.25E-07	5.67E-09	1.37E-07	3.02E-08	4.11E-08	6.52E-08	1.13E-08	8.25E-09	2.99E-07
3322	492363.09	3847877.25	4.78E-04	4.88E-04	4.87E-04	1.66E-07	5.00E-07	2.89E-07	2.95E-07	2.68E-07	1.20E-07	1.22E-07	5.53E-09	1.34E-07	2.95E-08	4.01E-08	6.36E-08	1.10E-08	8.05E-09	2.91E-07
3323	492863.09	3847877.25	4.59E-04	4.69E-04	4.68E-04	1.59E-07	4.80E-07	2.78E-07	2.84E-07	2.57E-07	1.15E-07	1.17E-07	5.31E-09	1.28E-07	2.83E-08	3.85E-08	6.11E-08	1.06E-08	7.73E-09	2.80E-07
3324	493363.09	3847877.25	4.15E-04	4.24E-04	4.23E-04	1.44E-07	4.34E-07	2.51E-07	2.57E-07	2.33E-07	1.04E-07	1.06E-07	4.80E-09	1.16E-07	2.56E-08	3.48E-08	5.53E-08	9.54E-09	6.99E-09	2.53E-07
3325	493863.09	3847877.25	3.86E-04	3.94E-04	3.93E-04	1.34E-07	4.03E-07	2.34E-07	2.38E-07	2.16E-07	9.66E-08	9.85E-08	4.46E-09	1.08E-07	2.38E-08	3.24E-08	5.13E-08	8.87E-09	6.49E-09	2.35E-07
3326	494363.09	3847877.25	3.71E-04	3.78E-04	3.78E-04	1.28E-07	3.87E-07	2.24E-07	2.29E-07	2.07E-07	9.28E-08	9.46E-08	4.28E-09	1.04E-07	2.28E-08	3.11E-08	4.93E-08	8.51E-09	6.24E-09	2.26E-07
3327	494863.09	3847877.25	3.62E-04	3.70E-04	3.69E-04	1.25E-07	3.79E-07	2.19E-07	2.24E-07	2.03E-07	9.07E-08	9.25E-08	4.19E-09	1.01E-07	2.23E-08	3.04E-08	4.82E-08	8.32E-09	6.10E-09	2.21E-07
3328	495363.09	3847877.25	3.44E-04	3.51E-04	3.51E-04	1.19E-07	3.60E-07	2.08E-07	2.12E-07	1.93E-07	8.61E-08	8.78E-08	3.98E-09	9.61E-08	2.12E-08	2.89E-08	4.58E-08	7.90E-09	5.79E-09	2.10E-07
3329	495863.09	3847877.25	2.90E-04	2.96E-04	2.96E-04	1.00E-07	3.03E-07	1.76E-07	1.79E-07	1.62E-07	7.26E-08	7.40E-08	3.36E-09	8.10E-08	1.79E-08	2.43E-08	3.86E-08	6.67E-09	4.88E-09	1.77E-07
3330	496363.09	3847877.25	3.40E-04	3.47E-04	3.46E-04	1.18E-07	3.55E-07	2.06E-07	2.10E-07	1.90E-07	8.50E-08	8.67E-08	3.93E-09	9.49E-08	2.09E-08	2.85E-08	4.52E-08	7.80E-09	5.72E-09	2.07E-07
3331	496863.09	3847877.25	3.49E-04	3.57E-04	3.56E-04	1.21E-07	3.65E-07	2.11E-07	2.16E-07	1.96E-07	8.75E-08	8.91E-08	4.04E-09	9.76E-08	2.15E-08	2.93E-08	4.65E-08	8.03E-09	5.88E-09	2.13E-07
3332	497363.09	3847877.25	3.68E-04	3.76E-04	3.75E-04	1.28E-07	3.85E-07	2.23E-07	2.27E-07	2.06E-07	9.22E-08	9.40E-08	4.26E-09	1.03E-07	2.27E-08	3.09E-08	4.90E-08	8.46E-09	6.20E-09	2.24E-07
3333	497863.09	3847877.25	4.19E-04	4.28E-04	4.27E-04	1.45E-07	4.38E-07	2.54E-07	2.59E-07	2.35E-07	1.05E-07	1.07E-07	4.84E-09	1.17E-07	2.58E-08	3.51E-08	5.57E-08	9.62E-09	7.05E-09	2.55E-07
3334	498363.09	3847877.25	4.26E-04	4.35E-04	4.35E-04	1.48E-07	4.46E-07	2.58E-07	2.63E-07	2.39E-07	1.07E-07	1.09E-07	4.93E-09	1.19E-07	2.63E-08	3.57E-08	5.67E-08	9.79E-09	7.17E-09	2.60E-07
3335	471363.09	3848377.25	1.08E-03	1.10E-03	1.10E-03	3.74E-07	1.13E-06	6.54E-07	6.67E-07	6.05E-07	2.70E-07	2.76E-07	1.25E-08	3.02E-07	6.66E-08	9.06E-08	1.44E-07	2.48E-08	1.82E-08	6.58E-07
3336	471863.09	3848377.25	1.31E-03	1.34E-03	1.34E-03	4.55E-07	1.37E-06	7.95E-07	8.12E-07	7.36E-07	3.29E-07	3.35E-07	1.52E-08	3.67E-07	8.10E-08	1.10E-07	1.75E-07	3.02E-08	2.21E-08	8.01E-07
3337	472363.09	3848377.25	1.67E-03	1.71E-03	1.70E-03	5.78E-07	1.75E-06	1.01E-06	1.03E-06	9.35E-07	4.18E-07	4.26E-07	1.93E-08	4.67E-07	1.03E-07	1.40E-07	2.22E-07	3.84E-08	2.81E-08	1.02E-06
3338	472863.09	3848377.25	2.27E-03	2.32E-03	2.32E-03	7.86E-07	2.37E-06	1.37E-06	1.40E-06	1.27E-06	5.69E-07	5.80E-07	2.63E-08	6.34E-07	1.40E-07	1.90E-07	3.02E-07	5.22E-08	3.82E-08	1.38E-06
3339	473363.09	3848377.25	3.41E-03	3.48E-03	3.48E-03	1.18E-06	3.56E-06	2.06E-06	2.11E-06	1.91E-06	8.54E-07	8.70E-07	3.94E-08	9.52E-07	2.10E-07	2.86E-07	4.54E-07	7.83E-08	5.74E-08	2.08E-06
3340	473863.09	3848377.25	6.27E-03	6.40E-03	6.39E-03	2.17E-06	6.56E-06	3.80E-06	3.87E-06	3.51E-06	1.57E-06	1.60E-06	7.25E-08	1.75E-06	3.87E-07	5.26E-07	8.34E-07	1.44E-07	1.06E-07	3.82E-06
3341	474363.09	3848377.25	2.27E-02	2.32E-02	2.32E-02	7.87E-06	2.37E-05	1.37E-05	1.40E-05	1.27E-05	5.69E-06	5.80E-06	2.63E-07	6.34E-06	1.40E-06	1.90E-06	3.02E-06	5.22E-07	3.82E-07	1.38E-05
3342	474863.09	3848377.25	2.11E-02	2.15E-02	2.15E-02	7.30E-06	2.21E-05	1.28E-05	1.30E-05	1.18E-05	5.28E-06	5.38E-06	2.44E-07	5.89E-06	1.30E-06	1.77E-06	2.81E-06	4.85E-07	3.55E-07	1.29E-05
3343	475363.09	3848377.25	1.44E-02	1.47E-02	1.47E-02	5.00E-06	1.51E-05	8.74E-06	8.92E-06	8.09E-06	3.62E-06	3.69E-06	1.67E-07	4.03E-06	8.90E-07	1.21E-06	1.92E-06	3.32E-07	2.43E-07	8.80E-06
3344	475863.09	3848377.25	8.79E-03	8.97E-03	8.96E-03	3.04E-06	9.18E-06	5.32E-06	5.43E-06	4.92E-06	2.20E-06	2.24E-06	1.02E-07	2.45E-06	5.41E-07	7.37E-07	1.17E-06	2.02E-07	1.48E-07	5.35E-06
3345	476363.09	3848377.25	6.12E-03	6.24E-03	6.24E-03	2.12E-06	6.39E-06	3.70E-06	3.78E-06	3.42E-06	1.53E-06	1.56E-06	7.07E-08	1.71E-06	3.77E-07	5.13E-07	8.14E-07	1.41E-07	1.03E-07	3.73E-06
3346	476863.09	3848377.25	6.56E-03	6.70E-03	6.69E-03	2.27E-06	6.86E-06	3.97E-06	4.05E-06	3.67E-06	1.64E-06	1.67E-06	7.59E-08	1.83E-06	4.04E-07	5.50E-07	8.73E-07	1.51E-07	1.10E-07	4.00E-06
3347	477363.09	3848377.25	5.66E-03	5.77E-03	5.77E-03	1.96E-06	5.91E-06	3.42E-06	3.49E-06	3.17E-06	1.42E-06	1.44E-06	6.54E-08	1.58E-06	3.49E-07	4.74E-07	7.52E-07	1.30E-07	9.52E-08	3.44E-06
3348	477863.09	3848377.25	5.10E-03	5.21E-03	5.20E-03	1.77E-06	5.33E-06	3.09E-06	3.15E-06	2.85E-06	1.28E-06	1.30E-06	5.90E-08	1.42E-06	3.14E-07	4.28E-07	6.78E-07	1.17E-07	8.58E-08	3.11E-06
3349	478363.09	3848377.25	4.49E-03	4.58E-03	4.57E-03	1.55E-06	4.69E-06	2.71E-06	2.77E-06	2.51E-06	1.12E-06	1.14E-06	5.18E-08	1.25E-06	2.76E-07	3.76E-07	5.96E-07	1.03E-07	7.55E-08	2.73E-06
3350	478863.09	3848377.25	3.81E-03	3.88E-03	3.88E-03	1.32E-06	3.98E-06	2.30E-06	2.35E-06	2.13E-06	9.53E-07	9.71E-07	4.40E-08	1.06E-06	2.35E-07	3.19E-07	5.06E-07	8.74E-08	6.41E-08	2.32E-06
3351	479363.09	3848377.25	2.85E-03	2.91E-03	2.90E-03	9.86E-07	2.98E-06	1.72E-06	1.76E-06	1.59E-06	7.13E-07	7.27E-07	3.29E-08	7.95E-07	1.76E-07	2.39E-07	3.79E-07	6.54E-08	4.79E-08	1.73E-06
3352	479863.09	3848377.25	1.21E-03	1.24E-03	1.23E-03	4.19E-07	1.27E-06	7.32E-07	7.47E-07	6.77E-07	3.03E-07	3.09E-07	1.40E-08	3.38E-07	7.46E-08	1.01E-07	1.61E-07	2.78E-08	2.04E-08	7.37E-07
3353	480363.09	3848377.25	1.60E-03	1.63E-03	1.63E-03	5.54E-07	1.67E-06	9.68E-07	9.88E-07	8.95E-07	4.00E-07	4.08E-07	1.85E-08	4.47E-07	9.85E-08	1.34E-07	2.13E-07	3.67E-08	2.69E-08	9.74E-07
3354	480863.09	3848377.25	1.97E-03	2.01E-03	2.01E-03	6.83E-07	2.06E-06	1.19E-06	1.22E-06	1.10E-06	4.94E-07	5.03E-07	2.28E-08	5.51E-07	1.22E-07	1.65E-07	2.62E-07	4.53E-08	3.32E-08	1.20E-06
3355	481363.09	3848377.25	1.88E-03	1.92E-03	1.92E-03	6.52E-07	1.97E-06	1.14E-06	1.16E-06	1.05E-06	4.71E-07	4.80E-07	2.18E-08	5.26E-07	1.16E-07	1.58E-07	2.50E-07	4.32E-08	3.17E-08	1.15E-06
3356	481863.09	3848377.25	1.85E-03	1.88E-03	1.88E-03	6.39E-07	1.93E-06	1.12E-06	1.14E-06	1.03E-06	4.62E-07	4.71E-07	2.13E-08	5.15E-07	1.14E-07	1.55E-07	2.45E-07	4.24E-08	3.11E-08	1.12E-06

3357	482363.09	3848377.25	1.76E-03	1.80E-03	1.79E-03	6.09E-07	1.84E-06	1.06E-06	1.09E-06	9.85E-07	4.40E-07	4.49E-07	2.03E-08	4.91E-07	1.08E-07	1.47E-07	2.34E-07	4.04E-08	2.96E-08	1.07E-06
3358	482863.09	3848377.25	1.55E-03	1.58E-03	1.58E-03	5.35E-07	1.62E-06	9.35E-07	9.54E-07	8.65E-07	3.87E-07	3.94E-07	1.79E-08	4.32E-07	9.52E-08	1.30E-07	2.06E-07	3.55E-08	2.60E-08	9.41E-07
3359	483363.09	3848377.25	1.44E-03	1.47E-03	1.47E-03	5.00E-07	1.51E-06	8.74E-07	8.91E-07	8.08E-07	3.61E-07	3.68E-07	1.67E-08	4.03E-07	8.90E-08	1.21E-07	1.92E-07	3.32E-08	2.43E-08	8.79E-07
3360	483863.09	3848377.25	1.31E-03	1.33E-03	1.33E-03	4.52E-07	1.37E-06	7.91E-07	8.07E-07	7.31E-07	3.27E-07	3.33E-07	1.51E-08	3.65E-07	8.05E-08	1.10E-07	1.74E-07	3.00E-08	2.20E-08	7.96E-07
3361	484363.09	3848377.25	1.27E-03	1.30E-03	1.29E-03	4.40E-07	1.33E-06	7.68E-07	7.84E-07	7.11E-07	3.18E-07	3.24E-07	1.47E-08	3.55E-07	7.82E-08	1.06E-07	1.69E-07	2.92E-08	2.14E-08	7.73E-07
3362	484863.09	3848377.25	1.30E-03	1.33E-03	1.33E-03	4.51E-07	1.36E-06	7.88E-07	8.04E-07	7.28E-07	3.26E-07	3.32E-07	1.50E-08	3.63E-07	8.02E-08	1.09E-07	1.73E-07	2.99E-08	2.19E-08	7.93E-07
3363	485363.09	3848377.25	1.25E-03	1.27E-03	1.27E-03	4.31E-07	1.30E-06	7.54E-07	7.69E-07	6.97E-07	3.12E-07	3.18E-07	1.44E-08	3.48E-07	7.67E-08	1.04E-07	1.66E-07	2.86E-08	2.10E-08	7.59E-07
3364	485863.09	3848377.25	1.20E-03	1.23E-03	1.22E-03	4.16E-07	1.26E-06	7.27E-07	7.41E-07	6.72E-07	3.01E-07	3.06E-07	1.39E-08	3.35E-07	7.40E-08	1.01E-07	1.60E-07	2.76E-08	2.02E-08	7.31E-07
3365	486363.09	3848377.25	1.12E-03	1.14E-03	1.14E-03	3.88E-07	1.17E-06	6.79E-07	6.92E-07	6.28E-07	2.81E-07	2.86E-07	1.30E-08	3.13E-07	6.91E-08	9.40E-08	1.49E-07	2.58E-08	1.89E-08	6.83E-07
3366	486863.09	3848377.25	1.03E-03	1.05E-03	1.05E-03	3.56E-07	1.08E-06	6.23E-07	6.36E-07	5.76E-07	2.58E-07	2.63E-07	1.19E-08	2.88E-07	6.35E-08	8.63E-08	1.37E-07	2.37E-08	1.73E-08	6.27E-07
3367	487363.09	3848377.25	9.22E-04	9.41E-04	9.40E-04	3.19E-07	9.64E-07	5.58E-07	5.69E-07	5.16E-07	2.31E-07	2.35E-07	1.07E-08	2.57E-07	5.68E-08	7.73E-08	1.23E-07	2.12E-08	1.55E-08	5.61E-07
3368	487863.09	3848377.25	8.80E-04	8.98E-04	8.97E-04	3.05E-07	9.20E-07	5.33E-07	5.43E-07	4.93E-07	2.20E-07	2.25E-07	1.02E-08	2.46E-07	5.42E-08	7.38E-08	1.17E-07	2.02E-08	1.48E-08	5.36E-07
3369	488363.09	3848377.25	8.34E-04	8.51E-04	8.50E-04	2.89E-07	8.72E-07	5.05E-07	5.15E-07	4.67E-07	2.09E-07	2.13E-07	9.64E-09	2.33E-07	5.14E-08	6.99E-08	1.11E-07	1.92E-08	1.40E-08	5.08E-07
3370	488863.09	3848377.25	7.99E-04	8.15E-04	8.14E-04	2.76E-07	8.35E-07	4.83E-07	4.93E-07	4.47E-07	2.00E-07	2.04E-07	9.23E-09	2.23E-07	4.92E-08	6.69E-08	1.06E-07	1.83E-08	1.34E-08	4.86E-07
3371	489363.09	3848377.25	7.76E-04	7.91E-04	7.90E-04	2.68E-07	8.11E-07	4.69E-07	4.79E-07	4.34E-07	1.94E-07	1.98E-07	8.96E-09	2.17E-07	4.78E-08	6.50E-08	1.03E-07	1.78E-08	1.30E-08	4.72E-07
3372	489863.09	3848377.25	7.77E-04	7.93E-04	7.92E-04	2.69E-07	8.12E-07	4.70E-07	4.80E-07	4.35E-07	1.95E-07	1.98E-07	8.99E-09	2.17E-07	4.79E-08	6.52E-08	1.03E-07	1.79E-08	1.31E-08	4.73E-07
3373	490363.09	3848377.25	7.33E-04	7.48E-04	7.47E-04	2.54E-07	7.66E-07	4.43E-07	4.52E-07	4.10E-07	1.83E-07	1.87E-07	8.47E-09	2.05E-07	4.52E-08	6.14E-08	9.75E-08	1.68E-08	1.23E-08	4.46E-07
3374	490863.09	3848377.25	6.67E-04	6.81E-04	6.80E-04	2.31E-07	6.97E-07	4.04E-07	4.12E-07	3.73E-07	1.67E-07	1.70E-07	7.71E-09	1.86E-07	4.11E-08	5.59E-08	8.87E-08	1.53E-08	1.12E-08	4.06E-07
3375	491363.09	3848377.25	6.15E-04	6.28E-04	6.27E-04	2.13E-07	6.43E-07	3.72E-07	3.80E-07	3.44E-07	1.54E-07	1.57E-07	7.11E-09	1.72E-07	3.79E-08	5.16E-08	8.18E-08	1.41E-08	1.03E-08	3.75E-07
3376	491863.09	3848377.25	5.76E-04	5.88E-04	5.87E-04	2.00E-07	6.02E-07	3.49E-07	3.56E-07	3.23E-07	1.44E-07	1.47E-07	6.66E-09	1.61E-07	3.55E-08	4.83E-08	7.66E-08	1.32E-08	9.70E-09	3.51E-07
3377	492363.09	3848377.25	5.14E-04	5.24E-04	5.23E-04	1.78E-07	5.37E-07	3.11E-07	3.17E-07	2.87E-07	1.29E-07	1.31E-07	5.94E-09	1.43E-07	3.16E-08	4.31E-08	6.83E-08	1.18E-08	8.64E-09	3.13E-07
3378	492863.09	3848377.25	4.51E-04	4.60E-04	4.59E-04	1.56E-07	4.71E-07	2.73E-07	2.78E-07	2.52E-07	1.13E-07	1.15E-07	5.21E-09	1.26E-07	2.78E-08	3.78E-08	6.00E-08	1.04E-08	7.59E-09	2.75E-07
3379	493363.09	3848377.25	4.19E-04	4.28E-04	4.27E-04	1.45E-07	4.38E-07	2.54E-07	2.59E-07	2.35E-07	1.05E-07	1.07E-07	4.84E-09	1.17E-07	2.58E-08	3.51E-08	5.57E-08	9.62E-09	7.05E-09	2.55E-07
3380	493863.09	3848377.25	3.91E-04	3.99E-04	3.98E-04	1.35E-07	4.08E-07	2.36E-07	2.41E-07	2.19E-07	9.78E-08	9.97E-08	4.52E-09	1.09E-07	2.41E-08	3.28E-08	5.20E-08	8.97E-09	6.57E-09	2.38E-07
3381	494363.09	3848377.25	3.65E-04	3.73E-04	3.72E-04	1.26E-07	3.82E-07	2.21E-07	2.26E-07	2.05E-07	9.14E-08	9.32E-08	4.22E-09	1.02E-07	2.25E-08	3.06E-08	4.86E-08	8.39E-09	6.15E-09	2.23E-07
3382	494863.09	3848377.25	3.60E-04	3.67E-04	3.67E-04	1.25E-07	3.76E-07	2.18E-07	2.22E-07	2.02E-07	9.01E-08	9.18E-08	4.16E-09	1.01E-07	2.22E-08	3.02E-08	4.79E-08	8.27E-09	6.06E-09	2.19E-07
3383	495363.09	3848377.25	3.19E-04	3.25E-04	3.25E-04	1.10E-07	3.33E-07	1.93E-07	1.97E-07	1.78E-07	7.98E-08	8.13E-08	3.69E-09	8.90E-08	1.96E-08	2.67E-08	4.24E-08	7.32E-09	5.36E-09	1.94E-07
3384	495863.09	3848377.25	3.06E-04	3.12E-04	3.12E-04	1.06E-07	3.20E-07	1.85E-07	1.89E-07	1.71E-07	7.66E-08	7.81E-08	3.54E-09	8.55E-08	1.89E-08	2.57E-08	4.07E-08	7.03E-09	5.15E-09	1.86E-07
3385	496363.09	3848377.25	3.24E-04	3.30E-04	3.30E-04	1.12E-07	3.38E-07	1.96E-07	2.00E-07	1.81E-07	8.10E-08	8.25E-08	3.74E-09	9.03E-08	1.99E-08	2.71E-08	4.30E-08	7.43E-09	5.44E-09	1.97E-07
3386	496863.09	3848377.25	3.06E-04	3.12E-04	3.12E-04	1.06E-07	3.20E-07	1.85E-07	1.89E-07	1.71E-07	7.65E-08	7.80E-08	3.54E-09	8.54E-08	1.88E-08	2.56E-08	4.07E-08	7.03E-09	5.15E-09	1.86E-07
3387	497363.09	3848377.25	3.39E-04	3.46E-04	3.46E-04	1.18E-07	3.55E-07	2.05E-07	2.10E-07	1.90E-07	8.50E-08	8.66E-08	3.92E-09	9.48E-08	2.09E-08	2.85E-08	4.51E-08	7.80E-09	5.71E-09	2.07E-07
3388	497863.09	3848377.25	4.53E-04	4.63E-04	4.62E-04	1.57E-07	4.74E-07	2.74E-07	2.80E-07	2.54E-07	1.13E-07	1.16E-07	5.24E-09	1.27E-07	2.79E-08	3.80E-08	6.03E-08	1.04E-08	7.63E-09	2.76E-07
3389	498363.09	3848377.25	4.50E-04	4.59E-04	4.59E-04	1.56E-07	4.71E-07	2.72E-07	2.78E-07	2.52E-07	1.13E-07	1.15E-07	5.20E-09	1.26E-07	2.77E-08	3.77E-08	5.99E-08	1.03E-08	7.58E-09	2.74E-07
3390	471363.09	3848877.25	1.09E-03	1.11E-03	1.11E-03	3.77E-07	1.14E-06	6.60E-07	6.73E-07	6.10E-07	2.73E-07	2.78E-07	1.26E-08	3.04E-07	6.72E-08	9.14E-08	1.45E-07	2.50E-08	1.83E-08	6.64E-07
3391	471863.09	3848877.25	1.33E-03	1.35E-03	1.35E-03	4.59E-07	1.39E-06	8.03E-07	8.19E-07	7.43E-07	3.32E-07	3.39E-07	1.53E-08	3.71E-07	8.18E-08	1.11E-07	1.76E-07	3.05E-08	2.23E-08	8.08E-07
3392	472363.09	3848877.25	1.65E-03	1.69E-03	1.69E-03	5.73E-07	1.73E-06	1.00E-06	1.02E-06	9.26E-07	4.14E-07	4.22E-07	1.91E-08	4.62E-07	1.02E-07	1.39E-07	2.20E-07	3.80E-08	2.78E-08	1.01E-06
3393	472863.09	3848877.25	2.14E-03	2.18E-03	2.18E-03	7.40E-07	2.23E-06	1.29E-06	1.32E-06	1.20E-06	5.35E-07	5.45E-07	2.47E-08	5.97E-07	1.32E-07	1.79E-07	2.84E-07	4.91E-08	3.60E-08	1.30E-06
3394	473363.09	3848877.25	2.92E-03	2.98E-03	2.98E-03	1.01E-06	3.05E-06	1.77E-06	1.80E-06	1.63E-06	7.31E-07	7.45E-07	3.38E-08	8.16E-07	1.80E-07	2.45E-07	3.88E-07	6.71E-08	4.91E-08	1.78E-06
3395	473863.09	3848877.25	4.27E-03	4.36E-03	4.36E-03	1.48E-06	4.47E-06	2.59E-06	2.64E-06	2.39E-06	1.07E-06	1.09E-06	4.94E-08	1.19E-06	2.63E-07	3.58E-07	5.68E-07	9.82E-08	7.19E-08	2.60E-06
3396	474363.09	3848877.25	6.79E-03	6.93E-03	6.92E-03	2.35E-06	7.09E-06	4.11E-06	4.19E-06	3.80E-06	1.70E-06	1.73E-06	7.85E-08	1.90E-06	4.18E-07	5.69E-07	9.03E-07	1.56E-07	1.14E-07	4.13E-06
3397	474863.09	3848877.25	1.92E-02	1.96E-02	1.96E-02	6.66E-06	2.01E-05	1.16E-05	1.19E-05	1.08E-05	4.82E-06	4.91E-06	2.23E-07	5.37E-06	1.19E-06	1.61E-06	2.56E-06	4.42E-07	3.24E-07	1.17E-05
3398	475363.09	3848877.25	3.79E-02	3.87E-02	3.87E-02	1.31E-05	3.97E-05	2.30E-05	2.34E-05	2.12E-05	9.50E-06	9.68E-06	4.39E-07	1.06E-05	2.34E-06	3.18E-06	5.05E-06	8.72E-07	6.38E-07	2.31E-05
3399	475863.09	3848877.25	2.10E-02	2.14E-02	2.14E-02	7.27E-06	2.19E-05	1.27E-05	1.30E-05	1.18E-05	5.25E-06	5.36E-06	2.43E-07	5.86E-06	1.29E-06	1.76E-06	2.79E-06	4.82E-07	3.53E-07	1.28E-05
3400	476363.09	3848877.25	1.46E-02	1.49E-02	1.49E-02	5.05E-06	1.52E-05	8.82E-06	9.00E-06	8.16E-06	3.65E-06	3.72E-06	1.69E-07	4.07E-06	8.98E-07	1.22E-06	1.94E-06	3.35E-07	2.45E-07	8.88E-06
3401	476863.09	3848877.25	1.11E-02	1.13E-02	1.13E-02	3.83E-06	1.16E-05	6.70E-06	6.83E-06	6.20E-06	2.77E-06	2.82E-06	1.28E-07	3.09E-06	6.82E-07	9.28E-07	1.47E-06	2.54E-07	1.86E-07	6.74E-06
3402	477363.09	3848877.25	1.10E-02	1.13E-02	1.12E-02	3.82E-06	1.15E-05	6.67E-06	6.81E-06	6.17E-06	2.76E-06	2.81E-06	1.27E-07	3.08E-06	6.79E-07	9.24E-07	1.47E-06	2.53E-07	1.86E-07	6.72E-06
3403	477863.09	3848877.25	8.94E-03	9.12E-03	9.11E-03	3.09E-06	9.34E-06	5.41E-06	5.52E-06	5.00E-06	2.24E-06	2.28E-06	1.03E-07	2.50E-06	5.51E-07	7.49E-07	1.19E-06	2.05E-07	1.50E-07	5.44E-06
3404	478363.09	3848877.25	7.58E-03	7.73E-03	7.72E-03	2.62E-06	7.92E-06	4.58E-06	4.68E-06	4.24E-06	1.90E-06	1.93E-06	8.76E-08	2.12E-06	4.67E-07	6.35E-07	1.01E-06	1.74E-07	1.27E-07	4.61E-06
3405	478863.09	3848877.25	6.14E-03	6.27E-03	6.26E-03	2.13E-06	6.42E-06	3.72E-06	3.79E-06	3.44E-06	1.54E-06	1.57E-06	7.10E-08	1.72E-06	3.79E-07	5.15E-07	8.17E-07	1.41E-07	1.03E-07	3.74E-06
3406	479363.09	3848877.25	4.77E-03	4.87E-03	4.86E-03	1.65E-06	4.99E-06	2.89E-06	2.95E-06	2.67E-06	1.19E-06	1.22E-06	5.52E-08	1.33E-06	2.94E-07	4.00E-07	6.35E-07	1.10E-07	8.03E-08	2.91E-06
3407	479863.09	3848877.25	3.67E-03	3.74E-03	3.74E-03	1.27E-06	3.83E-06	2.22E-06	2.26E-06	2.05E-06	9.18E-07	9.35E-07	4.24E-08	1.02E-06	2.26E-07	3.07E-07	4.88E-07	8.42E-08	6.17E-08	2.23E-06
3408	480363.09	3848877.25	3.43E-03	3.50E-03	3.49E-03	1.19E-06	3.58E-06	2.07E-06	2.11E-06	1.92E-06	8.57E-07	8.74E-07	3.96E-08	9.56E-07	2.11E-07	2.87E-07	4.55E-07	7.87E-08	5.76E-08	2.09E-06
3409	480863.09	3848877.25	3.21E-03	3.28E-03	3.27E-03	1.11E-06	3.36E-06	1.94E-06	1.98E-06	1.80E-06	8.04E-07	8.19E-07	3.71E-08	8.97E-07	1.98E-07	2.69E-07	4.27E-07	7.38E-08	5.40E-08	1.96E-06
3410	481363.09	3848877.25	2.85E-03	2.91E-03	2.90E-03	9.86E-07	2.98E-06	1.72E-06	1.76E-06	1.59E-06	7.13E-07	7.27E-07	3.29E-08	7.96E-07	1.76E-07	2.39E-07	3.79E-07	6.55E-08	4.79E-08	1.74E-06
3411	481863.09	3848877.25	2.42E-03	2.47E-03	2.47E-03	8.39E-07	2.53E-06	1.47E-06	1.50E-06	1.36E-06	6.06E-07	6.18E-07	2.80E-08	6.77E-07	1.49E-07	2.03E-07	3.22E-07	5.57E-08	4.08E-08	1.48E-06
3412	482363.09	3848877.25	2.01E-03	2.05E-03	2.05E-03	6.95E-07	2.10E-06	1.22E-06	1.24E-06	1.12E-06	5.03E-07	5.12E-07	2.32E-08	5.61E-07	1.24E-07	1.68E-07	2.67E-07	4.61E-08	3.38E-08	1.22E-06
3413	482863.09	3848877.25	1.69E-03	1.73E-03	1.73E-03	5.86E-07	1.77E-06	1.02E-06	1.05E-06	9.48E-07	4.24E-07	4.32E-07	1.96E-08	4.73E-07	1.04E-07	1.42E-07	2.25E-07	3.89E-08	2.85E-08	1.03E-06

3414	483363.09	3848877.25	1.47E-03	1.50E-03	1.50E-03	5.09E-07	1.54E-06	8.89E-07	9.07E-07	8.22E-07	3.68E-07	3.75E-07	1.70E-08	4.10E-07	9.05E-08	1.23E-07	1.95E-07	3.37E-08	2.47E-08	8.95E-07
3415	483863.09	3848877.25	1.39E-03	1.42E-03	1.42E-03	4.81E-07	1.45E-06	8.40E-07	8.57E-07	7.77E-07	3.47E-07	3.54E-07	1.60E-08	3.88E-07	8.55E-08	1.16E-07	1.85E-07	3.19E-08	2.34E-08	8.46E-07
3416	484363.09	3848877.25	1.53E-03	1.57E-03	1.56E-03	5.31E-07	1.60E-06	9.29E-07	9.48E-07	8.59E-07	3.84E-07	3.91E-07	1.77E-08	4.28E-07	9.46E-08	1.29E-07	2.04E-07	3.52E-08	2.58E-08	9.35E-07
3417	484863.09	3848877.25	1.65E-03	1.68E-03	1.68E-03	5.70E-07	1.72E-06	9.96E-07	1.02E-06	9.21E-07	4.12E-07	4.20E-07	1.90E-08	4.60E-07	1.01E-07	1.38E-07	2.19E-07	3.78E-08	2.77E-08	1.00E-06
3418	485363.09	3848877.25	1.55E-03	1.59E-03	1.58E-03	5.38E-07	1.62E-06	9.40E-07	9.59E-07	8.69E-07	3.89E-07	3.96E-07	1.80E-08	4.34E-07	9.57E-08	1.30E-07	2.07E-07	3.57E-08	2.61E-08	9.46E-07
3419	485863.09	3848877.25	1.47E-03	1.50E-03	1.50E-03	5.08E-07	1.53E-06	8.89E-07	9.07E-07	8.22E-07	3.68E-07	3.75E-07	1.70E-08	4.10E-07	9.05E-08	1.23E-07	1.95E-07	3.37E-08	2.47E-08	8.94E-07
3420	486363.09	3848877.25	1.33E-03	1.36E-03	1.36E-03	4.60E-07	1.39E-06	8.05E-07	8.21E-07	7.44E-07	3.33E-07	3.39E-07	1.54E-08	3.71E-07	8.20E-08	1.12E-07	1.77E-07	3.05E-08	2.24E-08	8.10E-07
3421	486863.09	3848877.25	1.19E-03	1.21E-03	1.21E-03	4.11E-07	1.24E-06	7.19E-07	7.33E-07	6.65E-07	2.97E-07	3.03E-07	1.37E-08	3.32E-07	7.32E-08	9.95E-08	1.58E-07	2.73E-08	2.00E-08	7.23E-07
3422	487363.09	3848877.25	1.14E-03	1.17E-03	1.16E-03	3.95E-07	1.19E-06	6.91E-07	7.05E-07	6.39E-07	2.86E-07	2.91E-07	1.32E-08	3.19E-07	7.04E-08	9.58E-08	1.52E-07	2.62E-08	1.92E-08	6.96E-07
3423	487863.09	3848877.25	1.06E-03	1.08E-03	1.08E-03	3.68E-07	1.11E-06	6.43E-07	6.56E-07	5.95E-07	2.66E-07	2.71E-07	1.23E-08	2.97E-07	6.55E-08	8.91E-08	1.41E-07	2.44E-08	1.79E-08	6.47E-07
3424	488363.09	3848877.25	1.01E-03	1.03E-03	1.03E-03	3.50E-07	1.06E-06	6.12E-07	6.24E-07	5.66E-07	2.53E-07	2.58E-07	1.17E-08	2.82E-07	6.23E-08	8.48E-08	1.34E-07	2.32E-08	1.70E-08	6.16E-07
3425	488863.09	3848877.25	9.50E-04	9.69E-04	9.68E-04	3.29E-07	9.93E-07	5.75E-07	5.87E-07	5.32E-07	2.38E-07	2.42E-07	1.10E-08	2.65E-07	5.85E-08	7.96E-08	1.26E-07	2.18E-08	1.60E-08	5.79E-07
3426	489363.09	3848877.25	9.22E-04	9.41E-04	9.40E-04	3.19E-07	9.64E-07	5.58E-07	5.69E-07	5.16E-07	2.31E-07	2.35E-07	1.07E-08	2.58E-07	5.68E-08	7.73E-08	1.23E-07	2.12E-08	1.55E-08	5.62E-07
3427	489863.09	3848877.25	8.97E-04	9.15E-04	9.14E-04	3.10E-07	9.37E-07	5.43E-07	5.54E-07	5.02E-07	2.24E-07	2.29E-07	1.04E-08	2.50E-07	5.52E-08	7.52E-08	1.19E-07	2.06E-08	1.51E-08	5.46E-07
3428	490363.09	3848877.25	8.17E-04	8.34E-04	8.33E-04	2.83E-07	8.54E-07	4.94E-07	5.04E-07	4.57E-07	2.04E-07	2.08E-07	9.45E-09	2.28E-07	5.03E-08	6.85E-08	1.09E-07	1.88E-08	1.37E-08	4.98E-07
3429	490863.09	3848877.25	7.40E-04	7.56E-04	7.55E-04	2.56E-07	7.74E-07	4.48E-07	4.57E-07	4.14E-07	1.85E-07	1.89E-07	8.56E-09	2.07E-07	4.56E-08	6.21E-08	9.85E-08	1.70E-08	1.25E-08	4.51E-07
3430	491363.09	3848877.25	6.90E-04	7.04E-04	7.03E-04	2.39E-07	7.21E-07	4.17E-07	4.26E-07	3.86E-07	1.73E-07	1.76E-07	7.97E-09	1.93E-07	4.25E-08	5.78E-08	9.17E-08	1.58E-08	1.16E-08	4.20E-07
3431	491863.09	3848877.25	6.06E-04	6.18E-04	6.18E-04	2.10E-07	6.34E-07	3.67E-07	3.74E-07	3.39E-07	1.52E-07	1.55E-07	7.01E-09	1.69E-07	3.73E-08	5.08E-08	8.06E-08	1.39E-08	1.02E-08	3.69E-07
3432	492363.09	3848877.25	5.27E-04	5.38E-04	5.37E-04	1.82E-07	5.51E-07	3.19E-07	3.25E-07	2.95E-07	1.32E-07	1.34E-07	6.09E-09	1.47E-07	3.25E-08	4.42E-08	7.01E-08	1.21E-08	8.87E-09	3.21E-07
3433	492863.09	3848877.25	4.47E-04	4.56E-04	4.55E-04	1.55E-07	4.67E-07	2.70E-07	2.76E-07	2.50E-07	1.12E-07	1.14E-07	5.16E-09	1.25E-07	2.75E-08	3.74E-08	5.94E-08	1.03E-08	7.52E-09	2.72E-07
3434	493363.09	3848877.25	3.77E-04	3.84E-04	3.84E-04	1.30E-07	3.94E-07	2.28E-07	2.33E-07	2.11E-07	9.42E-08	9.61E-08	4.35E-09	1.05E-07	2.32E-08	3.16E-08	5.01E-08	8.65E-09	6.34E-09	2.29E-07
3435	493863.09	3848877.25	3.72E-04	3.79E-04	3.79E-04	1.29E-07	3.88E-07	2.25E-07	2.29E-07	2.08E-07	9.30E-08	9.48E-08	4.30E-09	1.04E-07	2.29E-08	3.11E-08	4.94E-08	8.53E-09	6.25E-09	2.26E-07
3436	494363.09	3848877.25	3.54E-04	3.61E-04	3.61E-04	1.23E-07	3.70E-07	2.14E-07	2.19E-07	1.98E-07	8.86E-08	9.03E-08	4.09E-09	9.88E-08	2.18E-08	2.97E-08	4.71E-08	8.13E-09	5.95E-09	2.16E-07
3437	494863.09	3848877.25	3.57E-04	3.65E-04	3.64E-04	1.24E-07	3.74E-07	2.16E-07	2.21E-07	2.00E-07	8.95E-08	9.12E-08	4.13E-09	9.98E-08	2.20E-08	3.00E-08	4.75E-08	8.21E-09	6.01E-09	2.18E-07
3438	495363.09	3848877.25	3.52E-04	3.60E-04	3.59E-04	1.22E-07	3.68E-07	2.13E-07	2.18E-07	1.97E-07	8.82E-08	8.99E-08	4.07E-09	9.84E-08	2.17E-08	2.95E-08	4.69E-08	8.09E-09	5.93E-09	2.15E-07
3439	495863.09	3848877.25	3.06E-04	3.12E-04	3.11E-04	1.06E-07	3.19E-07	1.85E-07	1.89E-07	1.71E-07	7.65E-08	7.79E-08	3.53E-09	8.53E-08	1.88E-08	2.56E-08	4.06E-08	7.02E-09	5.14E-09	1.86E-07
3440	496363.09	3848877.25	3.02E-04	3.08E-04	3.08E-04	1.04E-07	3.15E-07	1.83E-07	1.86E-07	1.69E-07	7.55E-08	7.70E-08	3.49E-09	8.43E-08	1.86E-08	2.53E-08	4.01E-08	6.93E-09	5.08E-09	1.84E-07
3441	496863.09	3848877.25	3.35E-04	3.42E-04	3.42E-04	1.16E-07	3.50E-07	2.03E-07	2.07E-07	1.88E-07	8.39E-08	8.55E-08	3.88E-09	9.36E-08	2.07E-08	2.81E-08	4.46E-08	7.70E-09	5.64E-09	2.04E-07
3442	497363.09	3848877.25	4.25E-04	4.34E-04	4.33E-04	1.47E-07	4.44E-07	2.57E-07	2.62E-07	2.38E-07	1.06E-07	1.08E-07	4.91E-09	1.19E-07	2.62E-08	3.56E-08	5.65E-08	9.76E-09	7.15E-09	2.59E-07
3443	497863.09	3848877.25	4.55E-04	4.65E-04	4.64E-04	1.58E-07	4.76E-07	2.75E-07	2.81E-07	2.55E-07	1.14E-07	1.16E-07	5.26E-09	1.27E-07	2.80E-08	3.82E-08	6.05E-08	1.05E-08	7.66E-09	2.77E-07
3444	498363.09	3848877.25	4.72E-04	4.81E-04	4.81E-04	1.63E-07	4.93E-07	2.85E-07	2.91E-07	2.64E-07	1.18E-07	1.20E-07	5.45E-09	1.32E-07	2.91E-08	3.95E-08	6.27E-08	1.08E-08	7.94E-09	2.87E-07
3445	471363.09	3849377.25	1.06E-03	1.08E-03	1.08E-03	3.66E-07	1.11E-06	6.40E-07	6.54E-07	5.92E-07	2.65E-07	2.70E-07	1.22E-08	2.96E-07	6.52E-08	8.87E-08	1.41E-07	2.43E-08	1.78E-08	6.45E-07
3446	471863.09	3849377.25	1.28E-03	1.30E-03	1.30E-03	4.42E-07	1.33E-06	7.73E-07	7.88E-07	7.15E-07	3.20E-07	3.26E-07	1.48E-08	3.57E-07	7.87E-08	1.07E-07	1.70E-07	2.93E-08	2.15E-08	7.78E-07
3447	472363.09	3849377.25	1.54E-03	1.57E-03	1.57E-03	5.32E-07	1.61E-06	9.30E-07	9.49E-07	8.60E-07	3.85E-07	3.92E-07	1.78E-08	4.29E-07	9.47E-08	1.29E-07	2.04E-07	3.53E-08	2.59E-08	9.36E-07
3448	472863.09	3849377.25	1.91E-03	1.94E-03	1.94E-03	6.60E-07	1.99E-06	1.15E-06	1.18E-06	1.07E-06	4.77E-07	4.86E-07	2.20E-08	5.32E-07	1.17E-07	1.60E-07	2.53E-07	4.38E-08	3.21E-08	1.16E-06
3449	473363.09	3849377.25	2.44E-03	2.49E-03	2.49E-03	8.46E-07	2.55E-06	1.48E-06	1.51E-06	1.37E-06	6.12E-07	6.23E-07	2.82E-08	6.82E-07	1.51E-07	2.05E-07	3.25E-07	5.61E-08	4.11E-08	1.49E-06
3450	473863.09	3849377.25	3.20E-03	3.26E-03	3.26E-03	1.11E-06	3.34E-06	1.93E-06	1.97E-06	1.79E-06	8.00E-07	8.16E-07	3.70E-08	8.93E-07	1.97E-07	2.68E-07	4.25E-07	7.34E-08	5.38E-08	1.95E-06
3451	474363.09	3849377.25	4.30E-03	4.39E-03	4.39E-03	1.49E-06	4.50E-06	2.60E-06	2.66E-06	2.41E-06	1.08E-06	1.10E-06	4.98E-08	1.20E-06	2.65E-07	3.61E-07	5.72E-07	9.89E-08	7.24E-08	2.62E-06
3452	474863.09	3849377.25	6.16E-03	6.29E-03	6.28E-03	2.13E-06	6.44E-06	3.73E-06	3.81E-06	3.45E-06	1.54E-06	1.57E-06	7.12E-08	1.72E-06	3.80E-07	5.17E-07	8.20E-07	1.42E-07	1.04E-07	3.75E-06
3453	475363.09	3849377.25	1.02E-02	1.04E-02	1.04E-02	3.54E-06	1.07E-05	6.19E-06	6.32E-06	5.73E-06	2.56E-06	2.61E-06	1.18E-07	2.86E-06	6.31E-07	8.58E-07	1.36E-06	2.35E-07	1.72E-07	6.23E-06
3454	475863.09	3849377.25	1.77E-02	1.81E-02	1.81E-02	6.14E-06	1.85E-05	1.07E-05	1.10E-05	9.93E-06	4.44E-06	4.52E-06	2.05E-07	4.95E-06	1.09E-06	1.49E-06	2.36E-06	4.07E-07	2.98E-07	1.08E-05
3455	476363.09	3849377.25	3.29E-02	3.36E-02	3.36E-02	1.14E-05	3.44E-05	1.99E-05	2.03E-05	1.84E-05	8.25E-06	8.40E-06	3.81E-07	9.20E-06	2.03E-06	2.76E-06	4.38E-06	7.57E-07	5.54E-07	2.01E-05
3456	476863.09	3849377.25	7.30E-02	7.45E-02	7.44E-02	2.53E-05	7.63E-05	4.42E-05	4.51E-05	4.09E-05	1.83E-05	1.86E-05	8.44E-07	2.04E-05	4.50E-06	6.12E-06	9.71E-06	1.68E-06	1.23E-06	4.45E-05
3457	477363.09	3849377.25	2.63E-02	2.68E-02	2.68E-02	9.11E-06	2.75E-05	1.59E-05	1.62E-05	1.47E-05	6.58E-06	6.71E-06	3.04E-07	7.35E-06	1.62E-06	2.21E-06	3.50E-06	6.04E-07	4.43E-07	1.60E-05
3458	477863.09	3849377.25	1.69E-02	1.73E-02	1.72E-02	5.86E-06	1.77E-05	1.02E-05	1.04E-05	9.47E-06	4.23E-06	4.32E-06	1.96E-07	4.72E-06	1.04E-06	1.42E-06	2.25E-06	3.89E-07	2.85E-07	1.03E-05
3459	478363.09	3849377.25	1.28E-02	1.30E-02	1.30E-02	4.42E-06	1.33E-05	7.72E-06	7.88E-06	7.14E-06	3.19E-06	3.25E-06	1.47E-07	3.56E-06	7.86E-07	1.07E-06	1.70E-06	2.93E-07	2.15E-07	7.77E-06
3460	478863.09	3849377.25	9.49E-03	9.68E-03	9.67E-03	3.29E-06	9.92E-06	5.74E-06	5.86E-06	5.31E-06	2.38E-06	2.42E-06	1.10E-07	2.65E-06	5.85E-07	7.96E-07	1.26E-06	2.18E-07	1.60E-07	5.78E-06
3461	479363.09	3849377.25	7.58E-03	7.73E-03	7.72E-03	2.62E-06	7.92E-06	4.59E-06	4.68E-06	4.24E-06	1.90E-06	1.93E-06	8.76E-08	2.12E-06	4.67E-07	6.35E-07	1.01E-06	1.74E-07	1.28E-07	4.62E-06
3462	479863.09	3849377.25	5.60E-03	5.72E-03	5.71E-03	1.94E-06	5.85E-06	3.39E-06	3.46E-06	3.13E-06	1.40E-06	1.43E-06	6.47E-08	1.56E-06	3.45E-07	4.70E-07	7.45E-07	1.29E-07	9.42E-08	3.41E-06
3463	480363.09	3849377.25	5.42E-03	5.53E-03	5.52E-03	1.88E-06	5.66E-06	3.28E-06	3.35E-06	3.03E-06	1.36E-06	1.38E-06	6.26E-08	1.51E-06	3.34E-07	4.54E-07	7.20E-07	1.24E-07	9.12E-08	3.30E-06
3464	480863.09	3849377.25	4.60E-03	4.69E-03	4.69E-03	1.59E-06	4.81E-06	2.78E-06	2.84E-06	2.57E-06	1.15E-06	1.17E-06	5.32E-08	1.28E-06	2.83E-07	3.85E-07	6.11E-07	1.06E-07	7.74E-08	2.80E-06
3465	481363.09	3849377.25	3.66E-03	3.74E-03	3.73E-03	1.27E-06	3.83E-06	2.22E-06	2.26E-06	2.05E-06	9.17E-07	9.35E-07	4.24E-08	1.02E-06	2.26E-07	3.07E-07	4.87E-07	8.42E-08	6.17E-08	2.23E-06
3466	481863.09	3849377.25	2.71E-03	2.76E-03	2.76E-03	9.37E-07	2.83E-06	1.64E-06	1.67E-06	1.51E-06	6.77E-07	6.90E-07	3.13E-08	7.56E-07	1.67E-07	2.27E-07	3.60E-07	6.22E-08	4.55E-08	1.65E-06
3467	482363.09	3849377.25	2.29E-03	2.34E-03	2.34E-03	7.94E-07	2.40E-06	1.39E-06	1.42E-06	1.28E-06	5.74E-07	5.85E-07	2.65E-08	6.41E-07	1.41E-07	1.92E-07	3.05E-07	5.27E-08	3.86E-08	1.40E-06
3468	482863.09	3849377.25	1.86E-03	1.90E-03	1.90E-03	6.45E-07	1.95E-06	1.13E-06	1.15E-06	1.04E-06	4.66E-07	4.75E-07	2.15E-08	5.20E-07	1.15E-07	1.56E-07	2.48E-07	4.28E-08	3.13E-08	1.13E-06
3469	483363.09	3849377.25	1.64E-03	1.67E-03	1.67E-03	5.67E-07	1.71E-06	9.92E-07	1.01E-06	9.17E-07	4.10E-07	4.18E-07	1.89E-08	4.58E-07	1.01E-07	1.37E-07	2.18E-07	3.76E-08	2.76E-08	9.98E-07
3470	483863.09	3849377.25	1.36E-03	1.38E-03	1.38E-03	4.70E-07	1.42E-06	8.21E-07	8.38E-07	7.59E-07	3.40E-07	3.46E-07	1.57E-08	3.79E-07	8.36E-08	1.14E-07	1.80E-07	3.12E-08	2.28E-08	8.26E-07

3471	484363.09	3849377.25	1.81E-03	1.85E-03	1.85E-03	6.28E-07	1.90E-06	1.10E-06	1.12E-06	1.01E-06	4.54E-07	4.62E-07	2.10E-08	5.06E-07	1.12E-07	1.52E-07	2.41E-07	4.16E-08	3.05E-08	1.10E-06
3472	484863.09	3849377.25	2.00E-03	2.04E-03	2.04E-03	6.91E-07	2.09E-06	1.21E-06	1.23E-06	1.12E-06	5.00E-07	5.09E-07	2.31E-08	5.58E-07	1.23E-07	1.67E-07	2.66E-07	4.59E-08	3.36E-08	1.22E-06
3473	485363.09	3849377.25	1.89E-03	1.92E-03	1.92E-03	6.53E-07	1.97E-06	1.14E-06	1.16E-06	1.06E-06	4.72E-07	4.81E-07	2.18E-08	5.27E-07	1.16E-07	1.58E-07	2.51E-07	4.33E-08	3.17E-08	1.15E-06
3474	485863.09	3849377.25	1.52E-03	1.55E-03	1.55E-03	5.27E-07	1.59E-06	9.21E-07	9.40E-07	8.52E-07	3.81E-07	3.88E-07	1.76E-08	4.25E-07	9.38E-08	1.28E-07	2.02E-07	3.50E-08	2.56E-08	9.27E-07
3475	486363.09	3849377.25	1.24E-03	1.27E-03	1.27E-03	4.30E-07	1.30E-06	7.52E-07	7.68E-07	6.96E-07	3.11E-07	3.17E-07	1.44E-08	3.47E-07	7.66E-08	1.04E-07	1.65E-07	2.86E-08	2.09E-08	7.57E-07
3476	486863.09	3849377.25	1.38E-03	1.41E-03	1.40E-03	4.77E-07	1.44E-06	8.34E-07	8.51E-07	7.71E-07	3.45E-07	3.51E-07	1.59E-08	3.85E-07	8.49E-08	1.16E-07	1.83E-07	3.16E-08	2.32E-08	8.39E-07
3477	487363.09	3849377.25	1.35E-03	1.38E-03	1.38E-03	4.68E-07	1.41E-06	8.17E-07	8.34E-07	7.56E-07	3.38E-07	3.45E-07	1.56E-08	3.77E-07	8.32E-08	1.13E-07	1.80E-07	3.10E-08	2.27E-08	8.23E-07
3478	487863.09	3849377.25	1.26E-03	1.29E-03	1.29E-03	4.37E-07	1.32E-06	7.63E-07	7.79E-07	7.06E-07	3.16E-07	3.22E-07	1.46E-08	3.52E-07	7.77E-08	1.06E-07	1.68E-07	2.90E-08	2.12E-08	7.68E-07
3479	488363.09	3849377.25	1.19E-03	1.21E-03	1.21E-03	4.11E-07	1.24E-06	7.18E-07	7.33E-07	6.64E-07	2.97E-07	3.03E-07	1.37E-08	3.31E-07	7.31E-08	9.95E-08	1.58E-07	2.73E-08	2.00E-08	7.23E-07
3480	488863.09	3849377.25	1.13E-03	1.15E-03	1.15E-03	3.91E-07	1.18E-06	6.83E-07	6.97E-07	6.32E-07	2.83E-07	2.88E-07	1.31E-08	3.15E-07	6.96E-08	9.47E-08	1.50E-07	2.59E-08	1.90E-08	6.88E-07
3481	489363.09	3849377.25	1.07E-03	1.10E-03	1.09E-03	3.72E-07	1.12E-06	6.50E-07	6.63E-07	6.01E-07	2.69E-07	2.74E-07	1.24E-08	3.00E-07	6.62E-08	9.01E-08	1.43E-07	2.47E-08	1.81E-08	6.54E-07
3482	489863.09	3849377.25	1.00E-03	1.02E-03	1.02E-03	3.48E-07	1.05E-06	6.07E-07	6.20E-07	5.62E-07	2.51E-07	2.56E-07	1.16E-08	2.80E-07	6.19E-08	8.42E-08	1.34E-07	2.31E-08	1.69E-08	6.11E-07
3483	490363.09	3849377.25	9.02E-04	9.21E-04	9.20E-04	3.12E-07	9.43E-07	5.46E-07	5.57E-07	5.05E-07	2.26E-07	2.30E-07	1.04E-08	2.52E-07	5.56E-08	7.56E-08	1.20E-07	2.07E-08	1.52E-08	5.49E-07
3484	490863.09	3849377.25	8.23E-04	8.40E-04	8.39E-04	2.85E-07	8.60E-07	4.98E-07	5.08E-07	4.61E-07	2.06E-07	2.10E-07	9.51E-09	2.30E-07	5.07E-08	6.90E-08	1.09E-07	1.89E-08	1.38E-08	5.01E-07
3485	491363.09	3849377.25	7.56E-04	7.71E-04	7.70E-04	2.62E-07	7.90E-07	4.57E-07	4.67E-07	4.23E-07	1.89E-07	1.93E-07	8.74E-09	2.11E-07	4.66E-08	6.34E-08	1.01E-07	1.74E-08	1.27E-08	4.60E-07
3486	491863.09	3849377.25	6.59E-04	6.72E-04	6.71E-04	2.28E-07	6.88E-07	3.98E-07	4.07E-07	3.69E-07	1.65E-07	1.68E-07	7.61E-09	1.84E-07	4.06E-08	5.52E-08	8.76E-08	1.51E-08	1.11E-08	4.01E-07
3487	492363.09	3849377.25	5.72E-04	5.83E-04	5.83E-04	1.98E-07	5.97E-07	3.46E-07	3.53E-07	3.20E-07	1.43E-07	1.46E-07	6.61E-09	1.60E-07	3.52E-08	4.79E-08	7.60E-08	1.31E-08	9.62E-09	3.48E-07
3488	492863.09	3849377.25	4.61E-04	4.71E-04	4.70E-04	1.60E-07	4.82E-07	2.79E-07	2.85E-07	2.58E-07	1.15E-07	1.18E-07	5.33E-09	1.29E-07	2.84E-08	3.87E-08	6.13E-08	1.06E-08	7.76E-09	2.81E-07
3489	493363.09	3849377.25	4.14E-04	4.22E-04	4.22E-04	1.43E-07	4.32E-07	2.50E-07	2.55E-07	2.32E-07	1.04E-07	1.06E-07	4.78E-09	1.16E-07	2.55E-08	3.47E-08	5.50E-08	9.50E-09	6.96E-09	2.52E-07
3490	493863.09	3849377.25	3.85E-04	3.93E-04	3.93E-04	1.33E-07	4.03E-07	2.33E-07	2.38E-07	2.16E-07	9.65E-08	9.83E-08	4.46E-09	1.08E-07	2.37E-08	3.23E-08	5.13E-08	8.85E-09	6.48E-09	2.35E-07
3491	494363.09	3849377.25	3.84E-04	3.92E-04	3.92E-04	1.33E-07	4.02E-07	2.32E-07	2.37E-07	2.15E-07	9.62E-08	9.80E-08	4.44E-09	1.07E-07	2.37E-08	3.22E-08	5.11E-08	8.83E-09	6.47E-09	2.34E-07
3492	494863.09	3849377.25	4.33E-04	4.42E-04	4.42E-04	1.50E-07	4.53E-07	2.62E-07	2.68E-07	2.43E-07	1.08E-07	1.11E-07	5.01E-09	1.21E-07	2.67E-08	3.63E-08	5.76E-08	9.96E-09	7.29E-09	2.64E-07
3493	495363.09	3849377.25	4.37E-04	4.46E-04	4.46E-04	1.51E-07	4.57E-07	2.65E-07	2.70E-07	2.45E-07	1.09E-07	1.12E-07	5.05E-09	1.22E-07	2.69E-08	3.67E-08	5.82E-08	1.00E-08	7.36E-09	2.66E-07
3494	495863.09	3849377.25	3.15E-04	3.21E-04	3.21E-04	1.09E-07	3.29E-07	1.90E-07	1.94E-07	1.76E-07	7.88E-08	8.03E-08	3.64E-09	8.79E-08	1.94E-08	2.64E-08	4.18E-08	7.23E-09	5.29E-09	1.92E-07
3495	496363.09	3849377.25	2.91E-04	2.97E-04	2.97E-04	1.01E-07	3.04E-07	1.76E-07	1.80E-07	1.63E-07	7.29E-08	7.43E-08	3.37E-09	8.13E-08	1.79E-08	2.44E-08	3.87E-08	6.69E-09	4.90E-09	1.77E-07
3496	496863.09	3849377.25	4.02E-04	4.10E-04	4.09E-04	1.39E-07	4.20E-07	2.43E-07	2.48E-07	2.25E-07	1.01E-07	1.02E-07	4.64E-09	1.12E-07	2.47E-08	3.37E-08	5.34E-08	9.22E-09	6.76E-09	2.45E-07
3497	497363.09	3849377.25	4.25E-04	4.34E-04	4.34E-04	1.47E-07	4.45E-07	2.57E-07	2.63E-07	2.38E-07	1.06E-07	1.09E-07	4.92E-09	1.19E-07	2.62E-08	3.57E-08	5.66E-08	9.77E-09	7.16E-09	2.59E-07
3498	497863.09	3849377.25	5.35E-04	5.46E-04	5.45E-04	1.85E-07	5.59E-07	3.24E-07	3.30E-07	2.99E-07	1.34E-07	1.36E-07	6.18E-09	1.49E-07	3.30E-08	4.48E-08	7.11E-08	1.23E-08	9.00E-09	3.26E-07
3499	498363.09	3849377.25	4.97E-04	5.07E-04	5.07E-04	1.72E-07	5.20E-07	3.01E-07	3.07E-07	2.78E-07	1.24E-07	1.27E-07	5.75E-09	1.39E-07	3.06E-08	4.17E-08	6.61E-08	1.14E-08	8.36E-09	3.03E-07
3500	471363.09	3849877.25	8.30E-04	8.47E-04	8.46E-04	2.87E-07	8.67E-07	5.02E-07	5.12E-07	4.64E-07	2.08E-07	2.12E-07	9.59E-09	2.32E-07	5.11E-08	6.96E-08	1.10E-07	1.91E-08	1.40E-08	5.05E-07
3501	471863.09	3849877.25	1.12E-03	1.15E-03	1.15E-03	3.89E-07	1.18E-06	6.80E-07	6.94E-07	6.29E-07	2.81E-07	2.87E-07	1.30E-08	3.14E-07	6.93E-08	9.43E-08	1.50E-07	2.58E-08	1.89E-08	6.85E-07
3502	472363.09	3849877.25	1.40E-03	1.43E-03	1.43E-03	4.85E-07	1.46E-06	8.48E-07	8.65E-07	7.84E-07	3.51E-07	3.57E-07	1.62E-08	3.91E-07	8.63E-08	1.17E-07	1.86E-07	3.22E-08	2.36E-08	8.53E-07
3503	472863.09	3849877.25	1.69E-03	1.73E-03	1.72E-03	5.86E-07	1.77E-06	1.02E-06	1.04E-06	9.47E-07	4.23E-07	4.32E-07	1.96E-08	4.72E-07	1.04E-07	1.42E-07	2.25E-07	3.89E-08	2.85E-08	1.03E-06
3504	473363.09	3849877.25	2.06E-03	2.11E-03	2.10E-03	7.15E-07	2.16E-06	1.25E-06	1.27E-06	1.16E-06	5.17E-07	5.27E-07	2.39E-08	5.76E-07	1.27E-07	1.73E-07	2.74E-07	4.74E-08	3.47E-08	1.26E-06
3505	473863.09	3849877.25	2.54E-03	2.59E-03	2.58E-03	8.78E-07	2.65E-06	1.53E-06	1.57E-06	1.42E-06	6.35E-07	6.47E-07	2.93E-08	7.08E-07	1.56E-07	2.13E-07	3.37E-07	5.82E-08	4.27E-08	1.54E-06
3506	474363.09	3849877.25	3.12E-03	3.19E-03	3.18E-03	1.08E-06	3.26E-06	1.89E-06	1.93E-06	1.75E-06	7.81E-07	7.96E-07	3.61E-08	8.72E-07	1.92E-07	2.62E-07	4.15E-07	7.17E-08	5.25E-08	1.90E-06
3507	474863.09	3849877.25	3.87E-03	3.94E-03	3.94E-03	1.34E-06	4.04E-06	2.34E-06	2.39E-06	2.16E-06	9.67E-07	9.86E-07	4.47E-08	1.08E-06	2.38E-07	3.24E-07	5.14E-07	8.88E-08	6.50E-08	2.35E-06
3508	475363.09	3849877.25	4.86E-03	4.96E-03	4.95E-03	1.68E-06	5.08E-06	2.94E-06	3.00E-06	2.72E-06	1.22E-06	1.24E-06	5.62E-08	1.36E-06	2.99E-07	4.07E-07	6.46E-07	1.12E-07	8.18E-08	2.96E-06
3509	475863.09	3849877.25	6.17E-03	6.30E-03	6.29E-03	2.14E-06	6.45E-06	3.74E-06	3.81E-06	3.46E-06	1.55E-06	1.57E-06	7.14E-08	1.72E-06	3.80E-07	5.18E-07	8.21E-07	1.42E-07	1.04E-07	3.76E-06
3510	476363.09	3849877.25	8.07E-03	8.23E-03	8.22E-03	2.79E-06	8.43E-06	4.88E-06	4.98E-06	4.51E-06	2.02E-06	2.06E-06	9.32E-08	2.25E-06	4.97E-07	6.76E-07	1.07E-06	1.85E-07	1.36E-07	4.91E-06
3511	476863.09	3849877.25	1.14E-02	1.17E-02	1.17E-02	3.96E-06	1.20E-05	6.92E-06	7.06E-06	6.40E-06	2.86E-06	2.92E-06	1.32E-07	3.19E-06	7.05E-07	9.59E-07	1.52E-06	2.63E-07	1.92E-07	6.97E-06
3512	477363.09	3849877.25	2.15E-02	2.20E-02	2.19E-02	7.45E-06	2.25E-05	1.30E-05	1.33E-05	1.20E-05	5.39E-06	5.49E-06	2.49E-07	6.01E-06	1.33E-06	1.80E-06	2.86E-06	4.94E-07	3.62E-07	1.31E-05
3513	477863.09	3849877.25	7.94E-02	8.10E-02	8.09E-02	2.75E-05	8.30E-05	4.81E-05	4.90E-05	4.44E-05	1.99E-05	2.03E-05	9.18E-07	2.22E-05	4.89E-06	6.66E-06	1.06E-05	1.82E-06	1.34E-06	4.84E-05
3514	478363.09	3849877.25	2.87E-02	2.93E-02	2.92E-02	9.93E-06	3.00E-05	1.74E-05	1.77E-05	1.61E-05	7.18E-06	7.32E-06	3.32E-07	8.01E-06	1.77E-06	2.40E-06	3.81E-06	6.59E-07	4.83E-07	1.75E-05
3515	478863.09	3849877.25	1.85E-02	1.89E-02	1.89E-02	6.42E-06	1.94E-05	1.12E-05	1.14E-05	1.04E-05	4.64E-06	4.73E-06	2.14E-07	5.17E-06	1.14E-06	1.55E-06	2.46E-06	4.26E-07	3.12E-07	1.13E-05
3516	479363.09	3849877.25	1.29E-02	1.31E-02	1.31E-02	4.46E-06	1.35E-05	7.80E-06	7.95E-06	7.21E-06	3.22E-06	3.29E-06	1.49E-07	3.60E-06	7.94E-07	1.08E-06	1.71E-06	2.96E-07	2.17E-07	7.85E-06
3517	479863.09	3849877.25	1.03E-02	1.05E-02	1.05E-02	3.56E-06	1.07E-05	6.22E-06	6.35E-06	5.76E-06	2.57E-06	2.62E-06	1.19E-07	2.87E-06	6.34E-07	8.62E-07	1.37E-06	2.36E-07	1.73E-07	6.26E-06
3518	480363.09	3849877.25	7.53E-03	7.69E-03	7.68E-03	2.61E-06	7.87E-06	4.56E-06	4.65E-06	4.22E-06	1.89E-06	1.92E-06	8.71E-08	2.10E-06	4.64E-07	6.31E-07	1.00E-06	1.73E-07	1.27E-07	4.59E-06
3519	480863.09	3849877.25	5.82E-03	5.94E-03	5.93E-03	2.01E-06	6.08E-06	3.52E-06	3.59E-06	3.26E-06	1.46E-06	1.48E-06	6.73E-08	1.63E-06	3.59E-07	4.88E-07	7.74E-07	1.34E-07	9.79E-08	3.54E-06
3520	481363.09	3849877.25	4.79E-03	4.88E-03	4.88E-03	1.66E-06	5.00E-06	2.90E-06	2.95E-06	2.68E-06	1.20E-06	1.22E-06	5.53E-08	1.34E-06	2.95E-07	4.01E-07	6.36E-07	1.10E-07	8.05E-08	2.91E-06
3521	481863.09	3849877.25	3.25E-03	3.32E-03	3.31E-03	1.13E-06	3.40E-06	1.97E-06	2.01E-06	1.82E-06	8.13E-07	8.29E-07	3.76E-08	9.08E-07	2.00E-07	2.72E-07	4.32E-07	7.47E-08	5.47E-08	1.98E-06
3522	482363.09	3849877.25	2.61E-03	2.66E-03	2.66E-03	9.02E-07	2.72E-06	1.58E-06	1.61E-06	1.46E-06	6.52E-07	6.65E-07	3.01E-08	7.27E-07	1.61E-07	2.18E-07	3.46E-07	5.98E-08	4.38E-08	1.59E-06
3523	482863.09	3849877.25	2.17E-03	2.22E-03	2.21E-03	7.52E-07	2.27E-06	1.31E-06	1.34E-06	1.22E-06	5.44E-07	5.54E-07	2.51E-08	6.06E-07	1.34E-07	1.82E-07	2.89E-07	4.99E-08	3.65E-08	1.32E-06
3524	483363.09	3849877.25	1.81E-03	1.84E-03	1.84E-03	6.26E-07	1.89E-06	1.09E-06	1.12E-06	1.01E-06	4.52E-07	4.61E-07	2.09E-08	5.05E-07	1.11E-07	1.52E-07	2.40E-07	4.15E-08	3.04E-08	1.10E-06
3525	483863.09	3849877.25	1.71E-03	1.74E-03	1.74E-03	5.91E-07	1.78E-06	1.03E-06	1.05E-06	9.55E-07	4.27E-07	4.35E-07	1.97E-08	4.76E-07	1.05E-07	1.43E-07	2.27E-07	3.92E-08	2.87E-08	1.04E-06
3526	484363.09	3849877.25	2.11E-03	2.15E-03	2.15E-03	7.30E-07	2.20E-06	1.28E-06	1.30E-06	1.18E-06	5.28E-07	5.38E-07	2.44E-08	5.89E-07	1.30E-07	1.77E-07	2.81E-07	4.85E-08	3.55E-08	1.28E-06
3527	484863.09	3849877.25	2.44E-03	2.49E-03	2.48E-03	8.44E-07	2.55E-06	1.48E-06	1.51E-06	1.36E-06	6.10E-07	6.22E-07	2.82E-08	6.81E-07	1.50E-07	2.04E-07	3.24E-07	5.60E-08	4.10E-08	1.48E-06

3528	485363.09	3849877.25	2.19E-03	2.24E-03	2.24E-03	7.59E-07	2.29E-06	1.33E-06	1.35E-06	1.23E-06	5.49E-07	5.59E-07	2.54E-08	6.12E-07	1.35E-07	1.84E-07	2.92E-07	5.04E-08	3.69E-08	1.34E-06
3529	485863.09	3849877.25	1.86E-03	1.90E-03	1.90E-03	6.45E-07	1.95E-06	1.13E-06	1.15E-06	1.04E-06	4.66E-07	4.75E-07	2.15E-08	5.20E-07	1.15E-07	1.56E-07	2.48E-07	4.28E-08	3.14E-08	1.13E-06
3530	486363.09	3849877.25	1.67E-03	1.71E-03	1.70E-03	5.79E-07	1.75E-06	1.01E-06	1.03E-06	9.36E-07	4.19E-07	4.27E-07	1.93E-08	4.67E-07	1.03E-07	1.40E-07	2.22E-07	3.84E-08	2.81E-08	1.02E-06
3531	486863.09	3849877.25	1.70E-03	1.73E-03	1.73E-03	5.87E-07	1.77E-06	1.03E-06	1.05E-06	9.50E-07	4.25E-07	4.33E-07	1.96E-08	4.74E-07	1.05E-07	1.42E-07	2.26E-07	3.90E-08	2.86E-08	1.03E-06
3532	487363.09	3849877.25	1.60E-03	1.63E-03	1.63E-03	5.53E-07	1.67E-06	9.67E-07	9.87E-07	8.95E-07	4.00E-07	4.08E-07	1.85E-08	4.46E-07	9.85E-08	1.34E-07	2.13E-07	3.67E-08	2.69E-08	9.74E-07
3533	487863.09	3849877.25	1.48E-03	1.51E-03	1.51E-03	5.13E-07	1.55E-06	8.96E-07	9.14E-07	8.29E-07	3.71E-07	3.78E-07	1.71E-08	4.14E-07	9.12E-08	1.24E-07	1.97E-07	3.40E-08	2.49E-08	9.02E-07
3534	488363.09	3849877.25	1.39E-03	1.41E-03	1.41E-03	4.80E-07	1.45E-06	8.39E-07	8.56E-07	7.76E-07	3.47E-07	3.54E-07	1.60E-08	3.87E-07	8.54E-08	1.16E-07	1.84E-07	3.18E-08	2.33E-08	8.44E-07
3535	488863.09	3849877.25	1.31E-03	1.33E-03	1.33E-03	4.52E-07	1.37E-06	7.90E-07	8.07E-07	7.31E-07	3.27E-07	3.33E-07	1.51E-08	3.65E-07	8.05E-08	1.10E-07	1.74E-07	3.00E-08	2.20E-08	7.95E-07
3536	489363.09	3849877.25	1.22E-03	1.24E-03	1.24E-03	4.21E-07	1.27E-06	7.36E-07	7.51E-07	6.81E-07	3.04E-07	3.10E-07	1.41E-08	3.40E-07	7.50E-08	1.02E-07	1.62E-07	2.79E-08	2.05E-08	7.41E-07
3537	489863.09	3849877.25	1.11E-03	1.13E-03	1.13E-03	3.85E-07	1.16E-06	6.72E-07	6.86E-07	6.22E-07	2.78E-07	2.83E-07	1.28E-08	3.10E-07	6.85E-08	9.31E-08	1.48E-07	2.55E-08	1.87E-08	6.77E-07
3538	490363.09	3849877.25	9.98E-04	1.02E-03	1.02E-03	3.45E-07	1.04E-06	6.04E-07	6.16E-07	5.59E-07	2.50E-07	2.55E-07	1.15E-08	2.79E-07	6.15E-08	8.37E-08	1.33E-07	2.29E-08	1.68E-08	6.08E-07
3539	490863.09	3849877.25	9.15E-04	9.34E-04	9.33E-04	3.17E-07	9.56E-07	5.54E-07	5.65E-07	5.12E-07	2.29E-07	2.33E-07	1.06E-08	2.55E-07	5.64E-08	7.67E-08	1.22E-07	2.10E-08	1.54E-08	5.57E-07
3540	491363.09	3849877.25	8.34E-04	8.51E-04	8.50E-04	2.89E-07	8.72E-07	5.05E-07	5.15E-07	4.67E-07	2.09E-07	2.13E-07	9.64E-09	2.33E-07	5.14E-08	6.99E-08	1.11E-07	1.92E-08	1.40E-08	5.08E-07
3541	491863.09	3849877.25	7.28E-04	7.43E-04	7.42E-04	2.52E-07	7.61E-07	4.40E-07	4.49E-07	4.07E-07	1.82E-07	1.86E-07	8.41E-09	2.03E-07	4.48E-08	6.10E-08	9.68E-08	1.67E-08	1.22E-08	4.43E-07
3542	492363.09	3849877.25	6.39E-04	6.52E-04	6.51E-04	2.21E-07	6.68E-07	3.87E-07	3.95E-07	3.58E-07	1.60E-07	1.63E-07	7.39E-09	1.78E-07	3.94E-08	5.36E-08	8.50E-08	1.47E-08	1.08E-08	3.89E-07
3543	492863.09	3849877.25	5.38E-04	5.49E-04	5.49E-04	1.86E-07	5.63E-07	3.26E-07	3.32E-07	3.01E-07	1.35E-07	1.37E-07	6.22E-09	1.50E-07	3.32E-08	4.51E-08	7.16E-08	1.24E-08	9.06E-09	3.28E-07
3544	493363.09	3849877.25	4.54E-04	4.64E-04	4.63E-04	1.57E-07	4.75E-07	2.75E-07	2.81E-07	2.54E-07	1.14E-07	1.16E-07	5.25E-09	1.27E-07	2.80E-08	3.81E-08	6.04E-08	1.04E-08	7.65E-09	2.77E-07
3545	493863.09	3849877.25	4.03E-04	4.11E-04	4.11E-04	1.40E-07	4.21E-07	2.44E-07	2.49E-07	2.26E-07	1.01E-07	1.03E-07	4.66E-09	1.13E-07	2.48E-08	3.38E-08	5.36E-08	9.26E-09	6.78E-09	2.45E-07
3546	494363.09	3849877.25	4.82E-04	4.92E-04	4.91E-04	1.67E-07	5.04E-07	2.92E-07	2.97E-07	2.70E-07	1.21E-07	1.23E-07	5.57E-09	1.35E-07	2.97E-08	4.04E-08	6.41E-08	1.11E-08	8.11E-09	2.93E-07
3547	494863.09	3849877.25	5.25E-04	5.36E-04	5.35E-04	1.82E-07	5.49E-07	3.18E-07	3.24E-07	2.94E-07	1.31E-07	1.34E-07	6.07E-09	1.47E-07	3.24E-08	4.40E-08	6.98E-08	1.21E-08	8.83E-09	3.20E-07
3548	495363.09	3849877.25	4.27E-04	4.36E-04	4.35E-04	1.48E-07	4.46E-07	2.58E-07	2.64E-07	2.39E-07	1.07E-07	1.09E-07	4.94E-09	1.19E-07	2.63E-08	3.58E-08	5.68E-08	9.81E-09	7.18E-09	2.60E-07
3549	495863.09	3849877.25	4.78E-04	4.88E-04	4.87E-04	1.65E-07	5.00E-07	2.89E-07	2.95E-07	2.68E-07	1.20E-07	1.22E-07	5.52E-09	1.33E-07	2.94E-08	4.01E-08	6.36E-08	1.10E-08	8.04E-09	2.91E-07
3550	496363.09	3849877.25	4.81E-04	4.91E-04	4.91E-04	1.67E-07	5.03E-07	2.91E-07	2.97E-07	2.69E-07	1.21E-07	1.23E-07	5.57E-09	1.34E-07	2.97E-08	4.04E-08	6.40E-08	1.11E-08	8.10E-09	2.93E-07
3551	496863.09	3849877.25	4.77E-04	4.87E-04	4.87E-04	1.65E-07	4.99E-07	2.89E-07	2.95E-07	2.67E-07	1.19E-07	1.22E-07	5.52E-09	1.33E-07	2.94E-08	4.00E-08	6.35E-08	1.10E-08	8.03E-09	2.91E-07
3552	497363.09	3849877.25	5.47E-04	5.59E-04	5.58E-04	1.90E-07	5.72E-07	3.31E-07	3.38E-07	3.06E-07	1.37E-07	1.40E-07	6.33E-09	1.53E-07	3.37E-08	4.59E-08	7.28E-08	1.26E-08	9.21E-09	3.33E-07
3553	497863.09	3849877.25	5.56E-04	5.67E-04	5.66E-04	1.92E-07	5.81E-07	3.36E-07	3.43E-07	3.11E-07	1.39E-07	1.42E-07	6.42E-09	1.55E-07	3.42E-08	4.66E-08	7.39E-08	1.28E-08	9.35E-09	3.38E-07
3554	498363.09	3849877.25	5.17E-04	5.27E-04	5.26E-04	1.79E-07	5.40E-07	3.13E-07	3.19E-07	2.89E-07	1.29E-07	1.32E-07	5.97E-09	1.44E-07	3.18E-08	4.33E-08	6.87E-08	1.19E-08	8.69E-09	3.15E-07
3555	471363.09	3850377.25	4.38E-04	4.47E-04	4.46E-04	1.51E-07	4.57E-07	2.65E-07	2.70E-07	2.45E-07	1.10E-07	1.12E-07	5.06E-09	1.22E-07	2.70E-08	3.67E-08	5.82E-08	1.01E-08	7.36E-09	2.66E-07
3556	471863.09	3850377.25	8.31E-04	8.48E-04	8.47E-04	2.88E-07	8.69E-07	5.03E-07	5.13E-07	4.65E-07	2.08E-07	2.12E-07	9.61E-09	2.32E-07	5.12E-08	6.97E-08	1.11E-07	1.91E-08	1.40E-08	5.06E-07
3557	472363.09	3850377.25	1.11E-03	1.13E-03	1.13E-03	3.84E-07	1.16E-06	6.71E-07	6.84E-07	6.20E-07	2.77E-07	2.83E-07	1.28E-08	3.09E-07	6.83E-08	9.29E-08	1.47E-07	2.55E-08	1.86E-08	6.75E-07
3558	472863.09	3850377.25	1.49E-03	1.52E-03	1.52E-03	5.15E-07	1.55E-06	9.00E-07	9.18E-07	8.32E-07	3.72E-07	3.79E-07	1.72E-08	4.15E-07	9.16E-08	1.25E-07	1.98E-07	3.42E-08	2.50E-08	9.06E-07
3559	473363.09	3850377.25	1.76E-03	1.79E-03	1.79E-03	6.08E-07	1.84E-06	1.06E-06	1.09E-06	9.84E-07	4.40E-07	4.48E-07	2.03E-08	4.91E-07	1.08E-07	1.47E-07	2.34E-07	4.04E-08	2.96E-08	1.07E-06
3560	473863.09	3850377.25	2.07E-03	2.11E-03	2.11E-03	7.17E-07	2.16E-06	1.25E-06	1.28E-06	1.16E-06	5.18E-07	5.28E-07	2.39E-08	5.78E-07	1.28E-07	1.74E-07	2.75E-07	4.76E-08	3.48E-08	1.26E-06
3561	474363.09	3850377.25	2.40E-03	2.45E-03	2.45E-03	8.32E-07	2.51E-06	1.45E-06	1.48E-06	1.35E-06	6.02E-07	6.13E-07	2.78E-08	6.71E-07	1.48E-07	2.02E-07	3.20E-07	5.52E-08	4.04E-08	1.46E-06
3562	474863.09	3850377.25	2.81E-03	2.87E-03	2.87E-03	9.74E-07	2.94E-06	1.70E-06	1.74E-06	1.57E-06	7.04E-07	7.17E-07	3.25E-08	7.85E-07	1.73E-07	2.36E-07	3.74E-07	6.46E-08	4.73E-08	1.71E-06
3563	475363.09	3850377.25	3.28E-03	3.35E-03	3.35E-03	1.14E-06	3.43E-06	1.99E-06	2.03E-06	1.84E-06	8.22E-07	8.38E-07	3.80E-08	9.17E-07	2.02E-07	2.75E-07	4.37E-07	7.54E-08	5.53E-08	2.00E-06
3564	475863.09	3850377.25	3.90E-03	3.98E-03	3.98E-03	1.35E-06	4.08E-06	2.36E-06	2.41E-06	2.18E-06	9.76E-07	9.95E-07	4.51E-08	1.09E-06	2.40E-07	3.27E-07	5.19E-07	8.96E-08	6.56E-08	2.38E-06
3565	476363.09	3850377.25	4.76E-03	4.86E-03	4.85E-03	1.65E-06	4.97E-06	2.88E-06	2.94E-06	2.66E-06	1.19E-06	1.21E-06	5.50E-08	1.33E-06	2.93E-07	3.99E-07	6.33E-07	1.09E-07	8.01E-08	2.90E-06
3566	476863.09	3850377.25	5.90E-03	6.02E-03	6.01E-03	2.04E-06	6.17E-06	3.57E-06	3.64E-06	3.30E-06	1.48E-06	1.50E-06	6.82E-08	1.65E-06	3.63E-07	4.95E-07	7.84E-07	1.35E-07	9.93E-08	3.59E-06
3567	477363.09	3850377.25	7.51E-03	7.67E-03	7.66E-03	2.60E-06	7.85E-06	4.55E-06	4.64E-06	4.20E-06	1.88E-06	1.92E-06	8.68E-08	2.10E-06	4.63E-07	6.30E-07	9.99E-07	1.73E-07	1.26E-07	4.58E-06
3568	477863.09	3850377.25	1.08E-02	1.11E-02	1.10E-02	3.75E-06	1.13E-05	6.55E-06	6.69E-06	6.06E-06	2.71E-06	2.76E-06	1.25E-07	3.02E-06	6.67E-07	9.08E-07	1.44E-06	2.49E-07	1.82E-07	6.60E-06
3569	478363.09	3850377.25	2.14E-02	2.18E-02	2.18E-02	7.39E-06	2.23E-05	1.29E-05	1.32E-05	1.20E-05	5.34E-06	5.45E-06	2.47E-07	5.96E-06	1.32E-06	1.79E-06	2.84E-06	4.90E-07	3.59E-07	1.30E-05
3570	478863.09	3850377.25	8.73E-02	8.91E-02	8.90E-02	3.02E-05	9.13E-05	5.28E-05	5.39E-05	4.89E-05	2.19E-05	2.23E-05	1.01E-06	2.44E-05	5.38E-06	7.32E-06	1.16E-05	2.01E-06	1.47E-06	5.32E-05
3571	479363.09	3850377.25	3.02E-02	3.08E-02	3.07E-02	1.04E-05	3.15E-05	1.82E-05	1.86E-05	1.69E-05	7.55E-06	7.69E-06	3.49E-07	8.42E-06	1.86E-06	2.53E-06	4.01E-06	6.93E-07	5.07E-07	1.84E-05
3572	479863.09	3850377.25	1.80E-02	1.84E-02	1.84E-02	6.24E-06	1.88E-05	1.09E-05	1.11E-05	1.01E-05	4.51E-06	4.60E-06	2.08E-07	5.03E-06	1.11E-06	1.51E-06	2.40E-06	4.14E-07	3.03E-07	1.10E-05
3573	480363.09	3850377.25	1.26E-02	1.28E-02	1.28E-02	4.35E-06	1.31E-05	7.59E-06	7.75E-06	7.03E-06	3.14E-06	3.20E-06	1.45E-07	3.50E-06	7.73E-07	1.05E-06	1.67E-06	2.88E-07	2.11E-07	7.64E-06
3574	480863.09	3850377.25	1.00E-02	1.02E-02	1.02E-02	3.47E-06	1.05E-05	6.06E-06	6.19E-06	5.61E-06	2.51E-06	2.56E-06	1.16E-07	2.80E-06	6.18E-07	8.40E-07	1.33E-06	2.30E-07	1.69E-07	6.10E-06
3575	481363.09	3850377.25	6.30E-03	6.43E-03	6.43E-03	2.18E-06	6.59E-06	3.81E-06	3.89E-06	3.53E-06	1.58E-06	1.61E-06	7.29E-08	1.76E-06	3.88E-07	5.29E-07	8.38E-07	1.45E-07	1.06E-07	3.84E-06
3576	481863.09	3850377.25	5.32E-03	5.43E-03	5.42E-03	1.84E-06	5.56E-06	3.22E-06	3.28E-06	2.98E-06	1.33E-06	1.36E-06	6.15E-08	1.49E-06	3.28E-07	4.46E-07	7.08E-07	1.22E-07	8.95E-08	3.24E-06
3577	482363.09	3850377.25	4.49E-03	4.58E-03	4.58E-03	1.56E-06	4.70E-06	2.72E-06	2.77E-06	2.51E-06	1.12E-06	1.15E-06	5.19E-08	1.25E-06	2.77E-07	3.77E-07	5.97E-07	1.03E-07	7.56E-08	2.74E-06
3578	482863.09	3850377.25	3.22E-03	3.29E-03	3.29E-03	1.12E-06	3.37E-06	1.95E-06	1.99E-06	1.80E-06	8.07E-07	8.22E-07	3.73E-08	9.00E-07	1.99E-07	2.70E-07	4.29E-07	7.41E-08	5.42E-08	1.96E-06
3579	483363.09	3850377.25	2.55E-03	2.60E-03	2.60E-03	8.82E-07	2.66E-06	1.54E-06	1.57E-06	1.43E-06	6.37E-07	6.50E-07	2.94E-08	7.11E-07	1.57E-07	2.14E-07	3.39E-07	5.85E-08	4.29E-08	1.55E-06
3580	483863.09	3850377.25	2.56E-03	2.61E-03	2.61E-03	8.85E-07	2.67E-06	1.55E-06	1.58E-06	1.43E-06	6.40E-07	6.52E-07	2.95E-08	7.14E-07	1.57E-07	2.14E-07	3.40E-07	5.87E-08	4.30E-08	1.56E-06
3581	484363.09	3850377.25	2.74E-03	2.79E-03	2.79E-03	9.47E-07	2.86E-06	1.65E-06	1.69E-06	1.53E-06	6.85E-07	6.98E-07	3.16E-08	7.64E-07	1.69E-07	2.29E-07	3.64E-07	6.28E-08	4.60E-08	1.67E-06
3582	484863.09	3850377.25	2.86E-03	2.92E-03	2.92E-03	9.90E-07	2.99E-06	1.73E-06	1.77E-06	1.60E-06	7.16E-07	7.30E-07	3.31E-08	7.99E-07	1.76E-07	2.40E-07	3.80E-07	6.57E-08	4.81E-08	1.74E-06
3583	485363.09	3850377.25	2.65E-03	2.70E-03	2.70E-03	9.17E-07	2.77E-06	1.60E-06	1.64E-06	1.48E-06	6.63E-07	6.76E-07	3.06E-08	7.40E-07	1.63E-07	2.22E-07	3.52E-07	6.09E-08	4.46E-08	1.61E-06
3584	485863.09	3850377.25	2.33E-03	2.38E-03	2.38E-03	8.07E-07	2.44E-06	1.41E-06	1.44E-06	1.30E-06	5.83E-07	5.94E-07	2.69E-08	6.51E-07	1.44E-07	1.95E-07	3.10E-07	5.35E-08	3.92E-08	1.42E-06

3585	486363.09	3850377.25	2.17E-03	2.21E-03	2.21E-03	7.50E-07	2.26E-06	1.31E-06	1.34E-06	1.21E-06	5.42E-07	5.53E-07	2.50E-08	6.05E-07	1.34E-07	1.82E-07	2.88E-07	4.98E-08	3.65E-08	1.32E-06
3586	486863.09	3850377.25	2.02E-03	2.06E-03	2.06E-03	7.00E-07	2.11E-06	1.22E-06	1.25E-06	1.13E-06	5.06E-07	5.16E-07	2.34E-08	5.65E-07	1.25E-07	1.69E-07	2.69E-07	4.64E-08	3.40E-08	1.23E-06
3587	487363.09	3850377.25	1.83E-03	1.87E-03	1.87E-03	6.34E-07	1.91E-06	1.11E-06	1.13E-06	1.02E-06	4.58E-07	4.67E-07	2.12E-08	5.11E-07	1.13E-07	1.53E-07	2.43E-07	4.20E-08	3.08E-08	1.11E-06
3588	487863.09	3850377.25	1.71E-03	1.74E-03	1.74E-03	5.91E-07	1.79E-06	1.03E-06	1.05E-06	9.56E-07	4.28E-07	4.36E-07	1.97E-08	4.77E-07	1.05E-07	1.43E-07	2.27E-07	3.92E-08	2.87E-08	1.04E-06
3589	488363.09	3850377.25	1.58E-03	1.61E-03	1.61E-03	5.46E-07	1.65E-06	9.55E-07	9.75E-07	8.83E-07	3.95E-07	4.03E-07	1.82E-08	4.41E-07	9.73E-08	1.32E-07	2.10E-07	3.63E-08	2.66E-08	9.61E-07
3590	488863.09	3850377.25	1.47E-03	1.50E-03	1.49E-03	5.07E-07	1.53E-06	8.87E-07	9.05E-07	8.20E-07	3.67E-07	3.74E-07	1.69E-08	4.09E-07	9.03E-08	1.23E-07	1.95E-07	3.37E-08	2.47E-08	8.93E-07
3591	489363.09	3850377.25	1.35E-03	1.38E-03	1.38E-03	4.68E-07	1.41E-06	8.18E-07	8.35E-07	7.56E-07	3.38E-07	3.45E-07	1.56E-08	3.77E-07	8.33E-08	1.13E-07	1.80E-07	3.10E-08	2.27E-08	8.23E-07
3592	489863.09	3850377.25	1.22E-03	1.24E-03	1.24E-03	4.22E-07	1.27E-06	7.37E-07	7.52E-07	6.82E-07	3.05E-07	3.11E-07	1.41E-08	3.40E-07	7.50E-08	1.02E-07	1.62E-07	2.80E-08	2.05E-08	7.42E-07
3593	490363.09	3850377.25	1.10E-03	1.13E-03	1.12E-03	3.82E-07	1.15E-06	6.67E-07	6.81E-07	6.17E-07	2.76E-07	2.81E-07	1.27E-08	3.08E-07	6.79E-08	9.24E-08	1.47E-07	2.53E-08	1.86E-08	6.71E-07
3594	490863.09	3850377.25	1.01E-03	1.03E-03	1.03E-03	3.48E-07	1.05E-06	6.09E-07	6.21E-07	5.63E-07	2.52E-07	2.57E-07	1.16E-08	2.81E-07	6.20E-08	8.43E-08	1.34E-07	2.31E-08	1.69E-08	6.13E-07
3595	491363.09	3850377.25	9.12E-04	9.30E-04	9.29E-04	3.16E-07	9.53E-07	5.52E-07	5.63E-07	5.10E-07	2.28E-07	2.33E-07	1.05E-08	2.55E-07	5.62E-08	7.64E-08	1.21E-07	2.09E-08	1.53E-08	5.55E-07
3596	491863.09	3850377.25	7.92E-04	8.08E-04	8.07E-04	2.74E-07	8.28E-07	4.79E-07	4.89E-07	4.43E-07	1.98E-07	2.02E-07	9.16E-09	2.21E-07	4.88E-08	6.64E-08	1.05E-07	1.82E-08	1.33E-08	4.82E-07
3597	492363.09	3850377.25	6.75E-04	6.89E-04	6.88E-04	2.34E-07	7.06E-07	4.09E-07	4.17E-07	3.78E-07	1.69E-07	1.72E-07	7.81E-09	1.89E-07	4.16E-08	5.66E-08	8.98E-08	1.55E-08	1.14E-08	4.11E-07
3598	492863.09	3850377.25	5.98E-04	6.10E-04	6.09E-04	2.07E-07	6.25E-07	3.62E-07	3.69E-07	3.35E-07	1.50E-07	1.53E-07	6.91E-09	1.67E-07	3.68E-08	5.01E-08	7.95E-08	1.37E-08	1.01E-08	3.64E-07
3599	493363.09	3850377.25	5.11E-04	5.22E-04	5.21E-04	1.77E-07	5.34E-07	3.09E-07	3.16E-07	2.86E-07	1.28E-07	1.30E-07	5.91E-09	1.43E-07	3.15E-08	4.29E-08	6.80E-08	1.17E-08	8.60E-09	3.11E-07
3600	493863.09	3850377.25	5.29E-04	5.39E-04	5.39E-04	1.83E-07	5.53E-07	3.20E-07	3.26E-07	2.96E-07	1.32E-07	1.35E-07	6.11E-09	1.48E-07	3.26E-08	4.43E-08	7.03E-08	1.21E-08	8.89E-09	3.22E-07
3601	494363.09	3850377.25	5.33E-04	5.44E-04	5.44E-04	1.85E-07	5.57E-07	3.23E-07	3.29E-07	2.99E-07	1.33E-07	1.36E-07	6.17E-09	1.49E-07	3.29E-08	4.47E-08	7.09E-08	1.22E-08	8.97E-09	3.25E-07
3602	494863.09	3850377.25	5.66E-04	5.78E-04	5.77E-04	1.96E-07	5.92E-07	3.43E-07	3.50E-07	3.17E-07	1.42E-07	1.44E-07	6.55E-09	1.58E-07	3.49E-08	4.75E-08	7.53E-08	1.30E-08	9.53E-09	3.45E-07
3603	495363.09	3850377.25	6.08E-04	6.20E-04	6.19E-04	2.10E-07	6.35E-07	3.68E-07	3.75E-07	3.40E-07	1.52E-07	1.55E-07	7.02E-09	1.70E-07	3.74E-08	5.09E-08	8.08E-08	1.40E-08	1.02E-08	3.70E-07
3604	495863.09	3850377.25	5.46E-04	5.57E-04	5.56E-04	1.89E-07	5.70E-07	3.30E-07	3.37E-07	3.05E-07	1.37E-07	1.39E-07	6.31E-09	1.52E-07	3.36E-08	4.57E-08	7.26E-08	1.25E-08	9.18E-09	3.32E-07
3605	496363.09	3850377.25	5.83E-04	5.94E-04	5.94E-04	2.02E-07	6.09E-07	3.52E-07	3.60E-07	3.26E-07	1.46E-07	1.49E-07	6.73E-09	1.63E-07	3.59E-08	4.88E-08	7.75E-08	1.34E-08	9.80E-09	3.55E-07
3606	496863.09	3850377.25	6.08E-04	6.21E-04	6.20E-04	2.11E-07	6.36E-07	3.68E-07	3.76E-07	3.41E-07	1.52E-07	1.55E-07	7.03E-09	1.70E-07	3.75E-08	5.10E-08	8.09E-08	1.40E-08	1.02E-08	3.71E-07
3607	497363.09	3850377.25	6.02E-04	6.14E-04	6.14E-04	2.08E-07	6.29E-07	3.64E-07	3.72E-07	3.37E-07	1.51E-07	1.54E-07	6.96E-09	1.68E-07	3.71E-08	5.05E-08	8.01E-08	1.38E-08	1.01E-08	3.67E-07
3608	497863.09	3850377.25	5.72E-04	5.84E-04	5.83E-04	1.98E-07	5.98E-07	3.46E-07	3.53E-07	3.20E-07	1.43E-07	1.46E-07	6.61E-09	1.60E-07	3.52E-08	4.79E-08	7.61E-08	1.31E-08	9.62E-09	3.48E-07
3609	498363.09	3850377.25	5.43E-04	5.54E-04	5.53E-04	1.88E-07	5.67E-07	3.28E-07	3.35E-07	3.04E-07	1.36E-07	1.38E-07	6.27E-09	1.52E-07	3.34E-08	4.55E-08	7.22E-08	1.25E-08	9.13E-09	3.31E-07
3610	471363.09	3850877.25	5.37E-04	5.48E-04	5.47E-04	1.86E-07	5.61E-07	3.25E-07	3.31E-07	3.00E-07	1.34E-07	1.37E-07	6.20E-09	1.50E-07	3.31E-08	4.50E-08	7.14E-08	1.23E-08	9.03E-09	3.27E-07
3611	471863.09	3850877.25	7.13E-04	7.28E-04	7.27E-04	2.47E-07	7.46E-07	4.32E-07	4.40E-07	3.99E-07	1.79E-07	1.82E-07	8.25E-09	1.99E-07	4.40E-08	5.98E-08	9.49E-08	1.64E-08	1.20E-08	4.34E-07
3612	472363.09	3850877.25	9.85E-04	1.00E-03	1.00E-03	3.41E-07	1.03E-06	5.96E-07	6.08E-07	5.51E-07	2.46E-07	2.51E-07	1.14E-08	2.75E-07	6.07E-08	8.26E-08	1.31E-07	2.26E-08	1.66E-08	6.00E-07
3613	472863.09	3850877.25	1.25E-03	1.28E-03	1.27E-03	4.33E-07	1.31E-06	7.56E-07	7.72E-07	7.00E-07	3.13E-07	3.19E-07	1.44E-08	3.49E-07	7.70E-08	1.05E-07	1.66E-07	2.87E-08	2.10E-08	7.61E-07
3614	473363.09	3850877.25	1.34E-03	1.37E-03	1.37E-03	4.65E-07	1.40E-06	8.12E-07	8.29E-07	7.52E-07	3.36E-07	3.43E-07	1.55E-08	3.75E-07	8.27E-08	1.13E-07	1.79E-07	3.08E-08	2.26E-08	8.18E-07
3615	473863.09	3850877.25	1.67E-03	1.71E-03	1.70E-03	5.78E-07	1.75E-06	1.01E-06	1.03E-06	9.35E-07	4.18E-07	4.26E-07	1.93E-08	4.67E-07	1.03E-07	1.40E-07	2.22E-07	3.84E-08	2.81E-08	1.02E-06
3616	474363.09	3850877.25	1.96E-03	2.00E-03	1.99E-03	6.77E-07	2.05E-06	1.18E-06	1.21E-06	1.10E-06	4.90E-07	4.99E-07	2.26E-08	5.46E-07	1.21E-07	1.64E-07	2.60E-07	4.49E-08	3.29E-08	1.19E-06
3617	474863.09	3850877.25	2.22E-03	2.27E-03	2.26E-03	7.69E-07	2.32E-06	1.34E-06	1.37E-06	1.24E-06	5.56E-07	5.67E-07	2.57E-08	6.20E-07	1.37E-07	1.86E-07	2.95E-07	5.10E-08	3.74E-08	1.35E-06
3618	475363.09	3850877.25	2.52E-03	2.57E-03	2.57E-03	8.73E-07	2.64E-06	1.53E-06	1.56E-06	1.41E-06	6.31E-07	6.43E-07	2.92E-08	7.04E-07	1.55E-07	2.11E-07	3.35E-07	5.79E-08	4.24E-08	1.54E-06
3619	475863.09	3850877.25	2.87E-03	2.93E-03	2.93E-03	9.95E-07	3.00E-06	1.74E-06	1.77E-06	1.61E-06	7.19E-07	7.33E-07	3.32E-08	8.02E-07	1.77E-07	2.41E-07	3.82E-07	6.60E-08	4.83E-08	1.75E-06
3620	476363.09	3850877.25	3.33E-03	3.40E-03	3.40E-03	1.15E-06	3.48E-06	2.02E-06	2.06E-06	1.87E-06	8.34E-07	8.50E-07	3.85E-08	9.30E-07	2.05E-07	2.79E-07	4.43E-07	7.65E-08	5.61E-08	2.03E-06
3621	476863.09	3850877.25	3.93E-03	4.01E-03	4.00E-03	1.36E-06	4.10E-06	2.38E-06	2.42E-06	2.20E-06	9.83E-07	1.00E-06	4.54E-08	1.10E-06	2.42E-07	3.29E-07	5.22E-07	9.02E-08	6.61E-08	2.39E-06
3622	477363.09	3850877.25	4.68E-03	4.78E-03	4.77E-03	1.62E-06	4.90E-06	2.83E-06	2.89E-06	2.62E-06	1.17E-06	1.19E-06	5.41E-08	1.31E-06	2.89E-07	3.93E-07	6.23E-07	1.08E-07	7.88E-08	2.85E-06
3623	477863.09	3850877.25	5.67E-03	5.79E-03	5.78E-03	1.96E-06	5.93E-06	3.43E-06	3.50E-06	3.18E-06	1.42E-06	1.45E-06	6.56E-08	1.58E-06	3.50E-07	4.76E-07	7.55E-07	1.30E-07	9.55E-08	3.46E-06
3624	478363.09	3850877.25	7.36E-03	7.51E-03	7.50E-03	2.55E-06	7.69E-06	4.45E-06	4.55E-06	4.12E-06	1.84E-06	1.88E-06	8.51E-08	2.06E-06	4.54E-07	6.17E-07	9.79E-07	1.69E-07	1.24E-07	4.48E-06
3625	478863.09	3850877.25	1.04E-02	1.06E-02	1.06E-02	3.59E-06	1.08E-05	6.27E-06	6.40E-06	5.80E-06	2.60E-06	2.65E-06	1.20E-07	2.90E-06	6.39E-07	8.69E-07	1.38E-06	2.38E-07	1.74E-07	6.32E-06
3626	479363.09	3850877.25	1.88E-02	1.92E-02	1.92E-02	6.53E-06	1.97E-05	1.14E-05	1.16E-05	1.06E-05	4.72E-06	4.81E-06	2.18E-07	5.26E-06	1.16E-06	1.58E-06	2.51E-06	4.33E-07	3.17E-07	1.15E-05
3627	479863.09	3850877.25	1.09E-01	1.11E-01	1.11E-01	3.76E-05	1.14E-04	6.58E-05	6.71E-05	6.09E-05	2.72E-05	2.77E-05	1.26E-06	3.04E-05	6.70E-06	9.12E-06	1.45E-05	2.50E-06	1.83E-06	6.62E-05
3628	480363.09	3850877.25	3.14E-02	3.20E-02	3.20E-02	1.09E-05	3.28E-05	1.90E-05	1.94E-05	1.76E-05	7.85E-06	8.00E-06	3.63E-07	8.76E-06	1.93E-06	2.63E-06	4.17E-06	7.21E-07	5.28E-07	1.91E-05
3629	480863.09	3850877.25	1.85E-02	1.89E-02	1.89E-02	6.40E-06	1.93E-05	1.12E-05	1.14E-05	1.04E-05	4.63E-06	4.72E-06	2.14E-07	5.16E-06	1.14E-06	1.55E-06	2.46E-06	4.25E-07	3.11E-07	1.13E-05
3630	481363.09	3850877.25	1.27E-02	1.30E-02	1.30E-02	4.40E-06	1.33E-05	7.70E-06	7.86E-06	7.12E-06	3.18E-06	3.25E-06	1.47E-07	3.55E-06	7.84E-07	1.07E-06	1.69E-06	2.92E-07	2.14E-07	7.75E-06
3631	481863.09	3850877.25	8.97E-03	9.15E-03	9.14E-03	3.10E-06	9.37E-06	5.43E-06	5.54E-06	5.02E-06	2.24E-06	2.29E-06	1.04E-07	2.50E-06	5.53E-07	7.52E-07	1.19E-06	2.06E-07	1.51E-07	5.46E-06
3632	482363.09	3850877.25	6.25E-03	6.38E-03	6.37E-03	2.16E-06	6.53E-06	3.78E-06	3.86E-06	3.50E-06	1.56E-06	1.59E-06	7.22E-08	1.74E-06	3.85E-07	5.24E-07	8.31E-07	1.44E-07	1.05E-07	3.81E-06
3633	482863.09	3850877.25	4.87E-03	4.97E-03	4.96E-03	1.69E-06	5.09E-06	2.95E-06	3.01E-06	2.73E-06	1.22E-06	1.24E-06	5.63E-08	1.36E-06	3.00E-07	4.08E-07	6.48E-07	1.12E-07	8.19E-08	2.97E-06
3634	483363.09	3850877.25	3.75E-03	3.83E-03	3.82E-03	1.30E-06	3.92E-06	2.27E-06	2.32E-06	2.10E-06	9.39E-07	9.57E-07	4.34E-08	1.05E-06	2.31E-07	3.15E-07	4.99E-07	8.62E-08	6.31E-08	2.29E-06
3635	483863.09	3850877.25	3.39E-03	3.46E-03	3.46E-03	1.17E-06	3.55E-06	2.05E-06	2.10E-06	1.90E-06	8.49E-07	8.66E-07	3.92E-08	9.47E-07	2.09E-07	2.84E-07	4.51E-07	7.79E-08	5.71E-08	2.07E-06
3636	484363.09	3850877.25	3.47E-03	3.54E-03	3.54E-03	1.20E-06	3.63E-06	2.10E-06	2.14E-06	1.94E-06	8.69E-07	8.85E-07	4.01E-08	9.69E-07	2.14E-07	2.91E-07	4.62E-07	7.97E-08	5.84E-08	2.11E-06
3637	484863.09	3850877.25	3.22E-03	3.29E-03	3.29E-03	1.12E-06	3.37E-06	1.95E-06	1.99E-06	1.80E-06	8.07E-07	8.22E-07	3.73E-08	9.00E-07	1.99E-07	2.70E-07	4.29E-07	7.40E-08	5.42E-08	1.96E-06
3638	485363.09	3850877.25	3.05E-03	3.11E-03	3.11E-03	1.06E-06	3.19E-06	1.84E-06	1.88E-06	1.71E-06	7.63E-07	7.78E-07	3.52E-08	8.51E-07	1.88E-07	2.56E-07	4.05E-07	7.00E-08	5.13E-08	1.86E-06
3639	485863.09	3850877.25	2.62E-03	2.67E-03	2.67E-03	9.07E-07	2.74E-06	1.59E-06	1.62E-06	1.47E-06	6.56E-07	6.69E-07	3.03E-08	7.32E-07	1.61E-07	2.20E-07	3.49E-07	6.02E-08	4.41E-08	1.60E-06
3640	486363.09	3850877.25	2.50E-03	2.55E-03	2.55E-03	8.66E-07	2.62E-06	1.51E-06	1.54E-06	1.40E-06	6.26E-07	6.38E-07	2.89E-08	6.99E-07	1.54E-07	2.10E-07	3.33E-07	5.75E-08	4.21E-08	1.52E-06
3641	486863.09	3850877.25	2.30E-03	2.34E-03	2.34E-03	7.95E-07	2.40E-06	1.39E-06	1.42E-06	1.29E-06	5.75E-07	5.86E-07	2.66E-08	6.41E-07	1.42E-07	1.93E-07	3.05E-07	5.28E-08	3.87E-08	1.40E-06

3642	487363.09	3850877.25	2.06E-03	2.10E-03	2.10E-03	7.12E-07	2.15E-06	1.25E-06	1.27E-06	1.15E-06	5.15E-07	5.25E-07	2.38E-08	5.75E-07	1.27E-07	1.73E-07	2.74E-07	4.73E-08	3.46E-08	1.25E-06
3643	487863.09	3850877.25	1.89E-03	1.93E-03	1.93E-03	6.55E-07	1.98E-06	1.15E-06	1.17E-06	1.06E-06	4.74E-07	4.83E-07	2.19E-08	5.29E-07	1.17E-07	1.59E-07	2.52E-07	4.35E-08	3.19E-08	1.15E-06
3644	488363.09	3850877.25	1.75E-03	1.78E-03	1.78E-03	6.05E-07	1.83E-06	1.06E-06	1.08E-06	9.78E-07	4.38E-07	4.46E-07	2.02E-08	4.88E-07	1.08E-07	1.47E-07	2.32E-07	4.02E-08	2.94E-08	1.06E-06
3645	488863.09	3850877.25	1.60E-03	1.63E-03	1.63E-03	5.54E-07	1.67E-06	9.68E-07	9.88E-07	8.95E-07	4.00E-07	4.08E-07	1.85E-08	4.47E-07	9.86E-08	1.34E-07	2.13E-07	3.67E-08	2.69E-08	9.74E-07
3646	489363.09	3850877.25	1.47E-03	1.50E-03	1.50E-03	5.09E-07	1.54E-06	8.89E-07	9.07E-07	8.22E-07	3.68E-07	3.75E-07	1.70E-08	4.10E-07	9.05E-08	1.23E-07	1.95E-07	3.38E-08	2.47E-08	8.95E-07
3647	489863.09	3850877.25	1.33E-03	1.36E-03	1.36E-03	4.61E-07	1.39E-06	8.06E-07	8.23E-07	7.46E-07	3.33E-07	3.40E-07	1.54E-08	3.72E-07	8.21E-08	1.12E-07	1.77E-07	3.06E-08	2.24E-08	8.11E-07
3648	490363.09	3850877.25	1.22E-03	1.25E-03	1.24E-03	4.23E-07	1.28E-06	7.39E-07	7.54E-07	6.83E-07	3.06E-07	3.11E-07	1.41E-08	3.41E-07	7.52E-08	1.02E-07	1.62E-07	2.80E-08	2.05E-08	7.44E-07
3649	490863.09	3850877.25	1.11E-03	1.13E-03	1.13E-03	3.85E-07	1.16E-06	6.73E-07	6.86E-07	6.22E-07	2.78E-07	2.84E-07	1.28E-08	3.10E-07	6.85E-08	9.32E-08	1.48E-07	2.55E-08	1.87E-08	6.77E-07
3650	491363.09	3850877.25	9.88E-04	1.01E-03	1.01E-03	3.42E-07	1.03E-06	5.98E-07	6.10E-07	5.53E-07	2.47E-07	2.52E-07	1.14E-08	2.76E-07	6.09E-08	8.28E-08	1.31E-07	2.27E-08	1.66E-08	6.02E-07
3651	491863.09	3850877.25	8.68E-04	8.86E-04	8.85E-04	3.01E-07	9.08E-07	5.25E-07	5.36E-07	4.86E-07	2.17E-07	2.22E-07	1.00E-08	2.42E-07	5.35E-08	7.28E-08	1.15E-07	1.99E-08	1.46E-08	5.29E-07
3652	492363.09	3850877.25	7.64E-04	7.80E-04	7.79E-04	2.64E-07	7.99E-07	4.62E-07	4.72E-07	4.28E-07	1.91E-07	1.95E-07	8.83E-09	2.13E-07	4.71E-08	6.41E-08	1.02E-07	1.75E-08	1.29E-08	4.65E-07
3653	492863.09	3850877.25	6.85E-04	6.99E-04	6.99E-04	2.37E-07	7.16E-07	4.15E-07	4.23E-07	3.84E-07	1.72E-07	1.75E-07	7.92E-09	1.91E-07	4.22E-08	5.75E-08	9.11E-08	1.57E-08	1.15E-08	4.17E-07
3654	493363.09	3850877.25	6.36E-04	6.49E-04	6.48E-04	2.20E-07	6.65E-07	3.85E-07	3.93E-07	3.56E-07	1.59E-07	1.62E-07	7.35E-09	1.78E-07	3.92E-08	5.33E-08	8.46E-08	1.46E-08	1.07E-08	3.87E-07
3655	493863.09	3850877.25	6.52E-04	6.65E-04	6.64E-04	2.26E-07	6.81E-07	3.94E-07	4.02E-07	3.65E-07	1.63E-07	1.66E-07	7.53E-09	1.82E-07	4.02E-08	5.46E-08	8.67E-08	1.50E-08	1.10E-08	3.97E-07
3656	494363.09	3850877.25	6.33E-04	6.46E-04	6.45E-04	2.19E-07	6.62E-07	3.83E-07	3.91E-07	3.54E-07	1.58E-07	1.62E-07	7.32E-09	1.77E-07	3.90E-08	5.31E-08	8.42E-08	1.45E-08	1.07E-08	3.86E-07
3657	494863.09	3850877.25	6.54E-04	6.67E-04	6.66E-04	2.26E-07	6.83E-07	3.96E-07	4.04E-07	3.66E-07	1.64E-07	1.67E-07	7.56E-09	1.83E-07	4.03E-08	5.48E-08	8.70E-08	1.50E-08	1.10E-08	3.98E-07
3658	495363.09	3850877.25	6.75E-04	6.89E-04	6.88E-04	2.34E-07	7.06E-07	4.09E-07	4.17E-07	3.78E-07	1.69E-07	1.72E-07	7.81E-09	1.89E-07	4.16E-08	5.66E-08	8.98E-08	1.55E-08	1.14E-08	4.11E-07
3659	495863.09	3850877.25	6.48E-04	6.61E-04	6.60E-04	2.24E-07	6.77E-07	3.92E-07	4.00E-07	3.62E-07	1.62E-07	1.65E-07	7.49E-09	1.81E-07	3.99E-08	5.43E-08	8.61E-08	1.49E-08	1.09E-08	3.94E-07
3660	496363.09	3850877.25	6.42E-04	6.55E-04	6.54E-04	2.22E-07	6.71E-07	3.88E-07	3.96E-07	3.59E-07	1.61E-07	1.64E-07	7.42E-09	1.79E-07	3.95E-08	5.38E-08	8.53E-08	1.47E-08	1.08E-08	3.91E-07
3661	496863.09	3850877.25	6.54E-04	6.67E-04	6.66E-04	2.26E-07	6.83E-07	3.95E-07	4.04E-07	3.66E-07	1.64E-07	1.67E-07	7.55E-09	1.82E-07	4.03E-08	5.48E-08	8.69E-08	1.50E-08	1.10E-08	3.98E-07
3662	497363.09	3850877.25	6.26E-04	6.38E-04	6.38E-04	2.17E-07	6.54E-07	3.79E-07	3.86E-07	3.50E-07	1.57E-07	1.60E-07	7.23E-09	1.75E-07	3.85E-08	5.24E-08	8.32E-08	1.44E-08	1.05E-08	3.81E-07
3663	497863.09	3850877.25	5.89E-04	6.01E-04	6.00E-04	2.04E-07	6.16E-07	3.56E-07	3.64E-07	3.30E-07	1.47E-07	1.50E-07	6.81E-09	1.64E-07	3.63E-08	4.94E-08	7.83E-08	1.35E-08	9.91E-09	3.59E-07
3664	498363.09	3850877.25	5.54E-04	5.65E-04	5.64E-04	1.92E-07	5.79E-07	3.35E-07	3.42E-07	3.10E-07	1.39E-07	1.41E-07	6.40E-09	1.55E-07	3.41E-08	4.64E-08	7.36E-08	1.27E-08	9.32E-09	3.37E-07
3665	471363.09	3851377.25	5.25E-04	5.36E-04	5.35E-04	1.82E-07	5.49E-07	3.18E-07	3.24E-07	2.94E-07	1.31E-07	1.34E-07	6.07E-09	1.47E-07	3.24E-08	4.40E-08	6.98E-08	1.21E-08	8.83E-09	3.20E-07
3666	471863.09	3851377.25	7.67E-04	7.82E-04	7.81E-04	2.65E-07	8.01E-07	4.64E-07	4.73E-07	4.29E-07	1.92E-07	1.96E-07	8.86E-09	2.14E-07	4.72E-08	6.43E-08	1.02E-07	1.76E-08	1.29E-08	4.67E-07
3667	472363.09	3851377.25	8.50E-04	8.67E-04	8.66E-04	2.94E-07	8.88E-07	5.14E-07	5.25E-07	4.76E-07	2.13E-07	2.17E-07	9.82E-09	2.37E-07	5.24E-08	7.12E-08	1.13E-07	1.95E-08	1.43E-08	5.18E-07
3668	472863.09	3851377.25	9.47E-04	9.66E-04	9.65E-04	3.28E-07	9.90E-07	5.73E-07	5.85E-07	5.30E-07	2.37E-07	2.42E-07	1.09E-08	2.64E-07	5.83E-08	7.94E-08	1.26E-07	2.17E-08	1.59E-08	5.77E-07
3669	473363.09	3851377.25	8.96E-04	9.14E-04	9.13E-04	3.10E-07	9.37E-07	5.42E-07	5.53E-07	5.02E-07	2.24E-07	2.29E-07	1.04E-08	2.50E-07	5.52E-08	7.51E-08	1.19E-07	2.06E-08	1.51E-08	5.46E-07
3670	473863.09	3851377.25	1.07E-03	1.09E-03	1.09E-03	3.69E-07	1.12E-06	6.46E-07	6.59E-07	5.97E-07	2.67E-07	2.72E-07	1.23E-08	2.98E-07	6.57E-08	8.94E-08	1.42E-07	2.45E-08	1.80E-08	6.50E-07
3671	474363.09	3851377.25	1.47E-03	1.50E-03	1.50E-03	5.10E-07	1.54E-06	8.92E-07	9.10E-07	8.25E-07	3.69E-07	3.76E-07	1.70E-08	4.12E-07	9.08E-08	1.24E-07	1.96E-07	3.39E-08	2.48E-08	8.98E-07
3672	474863.09	3851377.25	1.79E-03	1.83E-03	1.83E-03	6.21E-07	1.87E-06	1.09E-06	1.11E-06	1.00E-06	4.49E-07	4.57E-07	2.07E-08	5.01E-07	1.10E-07	1.50E-07	2.38E-07	4.12E-08	3.02E-08	1.09E-06
3673	475363.09	3851377.25	2.04E-03	2.08E-03	2.08E-03	7.06E-07	2.13E-06	1.23E-06	1.26E-06	1.14E-06	5.11E-07	5.21E-07	2.36E-08	5.70E-07	1.26E-07	1.71E-07	2.71E-07	4.69E-08	3.43E-08	1.24E-06
3674	475863.09	3851377.25	2.29E-03	2.33E-03	2.33E-03	7.91E-07	2.39E-06	1.38E-06	1.41E-06	1.28E-06	5.72E-07	5.83E-07	2.64E-08	6.38E-07	1.41E-07	1.92E-07	3.04E-07	5.25E-08	3.85E-08	1.39E-06
3675	476363.09	3851377.25	2.59E-03	2.64E-03	2.64E-03	8.95E-07	2.70E-06	1.56E-06	1.60E-06	1.45E-06	6.47E-07	6.59E-07	2.99E-08	7.22E-07	1.59E-07	2.17E-07	3.44E-07	5.94E-08	4.35E-08	1.57E-06
3676	476863.09	3851377.25	2.96E-03	3.02E-03	3.01E-03	1.02E-06	3.09E-06	1.79E-06	1.83E-06	1.65E-06	7.40E-07	7.54E-07	3.42E-08	8.26E-07	1.82E-07	2.48E-07	3.93E-07	6.79E-08	4.97E-08	1.80E-06
3677	477363.09	3851377.25	3.38E-03	3.45E-03	3.45E-03	1.17E-06	3.54E-06	2.05E-06	2.09E-06	1.89E-06	8.47E-07	8.63E-07	3.91E-08	9.45E-07	2.09E-07	2.84E-07	4.50E-07	7.77E-08	5.69E-08	2.06E-06
3678	477863.09	3851377.25	3.94E-03	4.02E-03	4.01E-03	1.36E-06	4.12E-06	2.38E-06	2.43E-06	2.20E-06	9.86E-07	1.00E-06	4.55E-08	1.10E-06	2.43E-07	3.30E-07	5.24E-07	9.05E-08	6.63E-08	2.40E-06
3679	478363.09	3851377.25	4.67E-03	4.77E-03	4.76E-03	1.62E-06	4.89E-06	2.83E-06	2.89E-06	2.62E-06	1.17E-06	1.19E-06	5.40E-08	1.31E-06	2.88E-07	3.92E-07	6.22E-07	1.07E-07	7.86E-08	2.85E-06
3680	478863.09	3851377.25	5.68E-03	5.80E-03	5.79E-03	1.97E-06	5.94E-06	3.44E-06	3.51E-06	3.18E-06	1.42E-06	1.45E-06	6.56E-08	1.59E-06	3.50E-07	4.76E-07	7.55E-07	1.30E-07	9.56E-08	3.46E-06
3681	479363.09	3851377.25	7.31E-03	7.46E-03	7.45E-03	2.53E-06	7.64E-06	4.42E-06	4.51E-06	4.09E-06	1.83E-06	1.86E-06	8.45E-08	2.04E-06	4.50E-07	6.13E-07	9.72E-07	1.68E-07	1.23E-07	4.45E-06
3682	479863.09	3851377.25	1.02E-02	1.04E-02	1.04E-02	3.53E-06	1.07E-05	6.18E-06	6.30E-06	5.71E-06	2.56E-06	2.60E-06	1.18E-07	2.85E-06	6.29E-07	8.56E-07	1.36E-06	2.35E-07	1.72E-07	6.22E-06
3683	480363.09	3851377.25	1.83E-02	1.87E-02	1.87E-02	6.34E-06	1.91E-05	1.11E-05	1.13E-05	1.02E-05	4.58E-06	4.67E-06	2.12E-07	5.11E-06	1.13E-06	1.53E-06	2.43E-06	4.21E-07	3.08E-07	1.12E-05
3684	480863.09	3851377.25	9.06E-02	9.24E-02	9.23E-02	3.13E-05	9.47E-05	5.48E-05	5.59E-05	5.07E-05	2.27E-05	2.31E-05	1.05E-06	2.53E-05	5.58E-06	7.59E-06	1.20E-05	2.08E-06	1.52E-06	5.51E-05
3685	481363.09	3851377.25	2.95E-02	3.01E-02	3.00E-02	1.02E-05	3.08E-05	1.78E-05	1.82E-05	1.65E-05	7.37E-06	7.51E-06	3.40E-07	8.22E-06	1.81E-06	2.47E-06	3.92E-06	6.76E-07	4.96E-07	1.79E-05
3686	481863.09	3851377.25	1.51E-02	1.54E-02	1.54E-02	5.22E-06	1.58E-05	9.13E-06	9.32E-06	8.45E-06	3.78E-06	3.85E-06	1.74E-07	4.21E-06	9.30E-07	1.27E-06	2.01E-06	3.47E-07	2.54E-07	9.19E-06
3687	482363.09	3851377.25	9.97E-03	1.02E-02	1.02E-02	3.45E-06	1.04E-05	6.03E-06	6.16E-06	5.58E-06	2.50E-06	2.54E-06	1.15E-07	2.78E-06	6.14E-07	8.36E-07	1.33E-06	2.29E-07	1.68E-07	6.07E-06
3688	482863.09	3851377.25	6.66E-03	6.80E-03	6.79E-03	2.31E-06	6.96E-06	4.03E-06	4.11E-06	3.73E-06	1.67E-06	1.70E-06	7.70E-08	1.86E-06	4.10E-07	5.58E-07	8.86E-07	1.53E-07	1.12E-07	4.06E-06
3689	483363.09	3851377.25	4.81E-03	4.91E-03	4.91E-03	1.67E-06	5.03E-06	2.91E-06	2.97E-06	2.69E-06	1.20E-06	1.23E-06	5.57E-08	1.34E-06	2.97E-07	4.04E-07	6.40E-07	1.11E-07	8.10E-08	2.93E-06
3690	483863.09	3851377.25	4.02E-03	4.10E-03	4.09E-03	1.39E-06	4.20E-06	2.43E-06	2.48E-06	2.25E-06	1.01E-06	1.02E-06	4.64E-08	1.12E-06	2.47E-07	3.37E-07	5.34E-07	9.22E-08	6.76E-08	2.45E-06
3691	484363.09	3851377.25	4.21E-03	4.30E-03	4.29E-03	1.46E-06	4.40E-06	2.55E-06	2.60E-06	2.36E-06	1.05E-06	1.07E-06	4.87E-08	1.18E-06	2.59E-07	3.53E-07	5.60E-07	9.67E-08	7.08E-08	2.56E-06
3692	484863.09	3851377.25	3.26E-03	3.33E-03	3.33E-03	1.13E-06	3.41E-06	1.97E-06	2.02E-06	1.83E-06	8.17E-07	8.33E-07	3.77E-08	9.11E-07	2.01E-07	2.74E-07	4.34E-07	7.50E-08	5.49E-08	1.99E-06
3693	485363.09	3851377.25	3.46E-03	3.53E-03	3.53E-03	1.20E-06	3.62E-06	2.09E-06	2.14E-06	1.94E-06	8.66E-07	8.83E-07	4.00E-08	9.66E-07	2.13E-07	2.90E-07	4.60E-07	7.95E-08	5.82E-08	2.11E-06
3694	485863.09	3851377.25	2.92E-03	2.98E-03	2.97E-03	1.01E-06	3.05E-06	1.77E-06	1.80E-06	1.63E-06	7.30E-07	7.44E-07	3.37E-08	8.15E-07	1.80E-07	2.45E-07	3.88E-07	6.70E-08	4.91E-08	1.78E-06
3695	486363.09	3851377.25	2.80E-03	2.86E-03	2.86E-03	9.71E-07	2.93E-06	1.70E-06	1.73E-06	1.57E-06	7.02E-07	7.15E-07	3.24E-08	7.83E-07	1.73E-07	2.35E-07	3.73E-07	6.44E-08	4.72E-08	1.71E-06
3696	486863.09	3851377.25	2.51E-03	2.56E-03	2.56E-03	8.70E-07	2.63E-06	1.52E-06	1.55E-06	1.41E-06	6.29E-07	6.41E-07	2.91E-08	7.02E-07	1.55E-07	2.11E-07	3.34E-07	5.77E-08	4.23E-08	1.53E-06
3697	487363.09	3851377.25	2.12E-03	2.16E-03	2.16E-03	7.34E-07	2.22E-06	1.28E-06	1.31E-06	1.19E-06	5.30E-07	5.41E-07	2.45E-08	5.92E-07	1.31E-07	1.78E-07	2.82E-07	4.87E-08	3.57E-08	1.29E-06
3698	487863.09	3851377.25	2.04E-03	2.08E-03	2.08E-03	7.06E-07	2.13E-06	1.23E-06	1.26E-06	1.14E-06	5.10E-07	5.20E-07	2.36E-08	5.69E-07	1.26E-07	1.71E-07	2.71E-07	4.68E-08	3.43E-08	1.24E-06

3699	488363.09	3851377.25	1.89E-03	1.92E-03	1.92E-03	6.53E-07	1.97E-06	1.14E-06	1.16E-06	1.06E-06	4.72E-07	4.81E-07	2.18E-08	5.27E-07	1.16E-07	1.58E-07	2.51E-07	4.33E-08	3.17E-08	1.15E-06
3700	488863.09	3851377.25	1.72E-03	1.75E-03	1.75E-03	5.95E-07	1.80E-06	1.04E-06	1.06E-06	9.61E-07	4.30E-07	4.38E-07	1.99E-08	4.80E-07	1.06E-07	1.44E-07	2.28E-07	3.95E-08	2.89E-08	1.05E-06
3701	489363.09	3851377.25	1.57E-03	1.60E-03	1.60E-03	5.42E-07	1.64E-06	9.48E-07	9.67E-07	8.77E-07	3.92E-07	4.00E-07	1.81E-08	4.37E-07	9.65E-08	1.31E-07	2.08E-07	3.60E-08	2.64E-08	9.54E-07
3702	489863.09	3851377.25	1.42E-03	1.45E-03	1.45E-03	4.92E-07	1.48E-06	8.59E-07	8.77E-07	7.95E-07	3.55E-07	3.62E-07	1.64E-08	3.96E-07	8.75E-08	1.19E-07	1.89E-07	3.26E-08	2.39E-08	8.65E-07
3703	490363.09	3851377.25	1.29E-03	1.32E-03	1.32E-03	4.48E-07	1.35E-06	7.83E-07	7.99E-07	7.24E-07	3.24E-07	3.30E-07	1.50E-08	3.61E-07	7.97E-08	1.08E-07	1.72E-07	2.97E-08	2.18E-08	7.88E-07
3704	490863.09	3851377.25	1.17E-03	1.19E-03	1.19E-03	4.05E-07	1.22E-06	7.09E-07	7.23E-07	6.55E-07	2.93E-07	2.99E-07	1.35E-08	3.27E-07	7.21E-08	9.82E-08	1.56E-07	2.69E-08	1.97E-08	7.13E-07
3705	491363.09	3851377.25	1.04E-03	1.06E-03	1.06E-03	3.59E-07	1.09E-06	6.28E-07	6.41E-07	5.81E-07	2.60E-07	2.65E-07	1.20E-08	2.90E-07	6.40E-08	8.70E-08	1.38E-07	2.38E-08	1.75E-08	6.32E-07
3706	491863.09	3851377.25	9.28E-04	9.47E-04	9.45E-04	3.21E-07	9.70E-07	5.61E-07	5.73E-07	5.19E-07	2.32E-07	2.37E-07	1.07E-08	2.59E-07	5.72E-08	7.78E-08	1.23E-07	2.13E-08	1.56E-08	5.65E-07
3707	492363.09	3851377.25	8.44E-04	8.61E-04	8.60E-04	2.92E-07	8.82E-07	5.11E-07	5.21E-07	4.72E-07	2.11E-07	2.15E-07	9.76E-09	2.36E-07	5.20E-08	7.07E-08	1.12E-07	1.94E-08	1.42E-08	5.14E-07
3708	492863.09	3851377.25	7.56E-04	7.72E-04	7.71E-04	2.62E-07	7.90E-07	4.57E-07	4.67E-07	4.23E-07	1.89E-07	1.93E-07	8.74E-09	2.11E-07	4.66E-08	6.34E-08	1.01E-07	1.74E-08	1.27E-08	4.60E-07
3709	493363.09	3851377.25	6.19E-04	6.32E-04	6.31E-04	2.14E-07	6.47E-07	3.75E-07	3.82E-07	3.47E-07	1.55E-07	1.58E-07	7.16E-09	1.73E-07	3.82E-08	5.19E-08	8.24E-08	1.42E-08	1.04E-08	3.77E-07
3710	493863.09	3851377.25	6.34E-04	6.46E-04	6.46E-04	2.19E-07	6.62E-07	3.83E-07	3.91E-07	3.55E-07	1.59E-07	1.62E-07	7.32E-09	1.77E-07	3.90E-08	5.31E-08	8.42E-08	1.46E-08	1.07E-08	3.86E-07
3711	494363.09	3851377.25	7.06E-04	7.21E-04	7.20E-04	2.44E-07	7.38E-07	4.27E-07	4.36E-07	3.95E-07	1.77E-07	1.80E-07	8.16E-09	1.97E-07	4.35E-08	5.92E-08	9.39E-08	1.62E-08	1.19E-08	4.30E-07
3712	494863.09	3851377.25	6.86E-04	7.00E-04	6.99E-04	2.38E-07	7.17E-07	4.15E-07	4.24E-07	3.84E-07	1.72E-07	1.75E-07	7.93E-09	1.92E-07	4.23E-08	5.75E-08	9.13E-08	1.58E-08	1.15E-08	4.18E-07
3713	495363.09	3851377.25	7.38E-04	7.53E-04	7.52E-04	2.55E-07	7.71E-07	4.46E-07	4.55E-07	4.13E-07	1.85E-07	1.88E-07	8.53E-09	2.06E-07	4.54E-08	6.18E-08	9.81E-08	1.69E-08	1.24E-08	4.49E-07
3714	495863.09	3851377.25	7.28E-04	7.42E-04	7.42E-04	2.52E-07	7.60E-07	4.40E-07	4.49E-07	4.07E-07	1.82E-07	1.86E-07	8.41E-09	2.03E-07	4.48E-08	6.10E-08	9.67E-08	1.67E-08	1.22E-08	4.43E-07
3715	496363.09	3851377.25	7.04E-04	7.18E-04	7.17E-04	2.44E-07	7.36E-07	4.26E-07	4.35E-07	3.94E-07	1.76E-07	1.80E-07	8.14E-09	1.97E-07	4.34E-08	5.90E-08	9.36E-08	1.62E-08	1.18E-08	4.29E-07
3716	496863.09	3851377.25	6.73E-04	6.87E-04	6.86E-04	2.33E-07	7.03E-07	4.07E-07	4.16E-07	3.77E-07	1.68E-07	1.72E-07	7.78E-09	1.88E-07	4.15E-08	5.64E-08	8.95E-08	1.55E-08	1.13E-08	4.10E-07
3717	497363.09	3851377.25	6.42E-04	6.55E-04	6.54E-04	2.22E-07	6.71E-07	3.88E-07	3.96E-07	3.59E-07	1.61E-07	1.64E-07	7.42E-09	1.79E-07	3.95E-08	5.38E-08	8.53E-08	1.47E-08	1.08E-08	3.91E-07
3718	497863.09	3851377.25	6.05E-04	6.18E-04	6.17E-04	2.10E-07	6.33E-07	3.66E-07	3.74E-07	3.39E-07	1.51E-07	1.54E-07	7.00E-09	1.69E-07	3.73E-08	5.07E-08	8.05E-08	1.39E-08	1.02E-08	3.69E-07
3719	498363.09	3851377.25	5.53E-04	5.65E-04	5.64E-04	1.92E-07	5.78E-07	3.35E-07	3.42E-07	3.10E-07	1.38E-07	1.41E-07	6.40E-09	1.55E-07	3.41E-08	4.64E-08	7.36E-08	1.27E-08	9.31E-09	3.37E-07
3720	471363.09	3851877.25	5.32E-04	5.43E-04	5.42E-04	1.84E-07	5.56E-07	3.22E-07	3.29E-07	2.98E-07	1.33E-07	1.36E-07	6.15E-09	1.49E-07	3.28E-08	4.46E-08	7.08E-08	1.22E-08	8.95E-09	3.24E-07
3721	471863.09	3851877.25	5.35E-04	5.46E-04	5.46E-04	1.85E-07	5.60E-07	3.24E-07	3.31E-07	3.00E-07	1.34E-07	1.37E-07	6.19E-09	1.49E-07	3.30E-08	4.49E-08	7.12E-08	1.23E-08	9.01E-09	3.26E-07
3722	472363.09	3851877.25	6.75E-04	6.89E-04	6.88E-04	2.34E-07	7.05E-07	4.08E-07	4.17E-07	3.78E-07	1.69E-07	1.72E-07	7.80E-09	1.88E-07	4.16E-08	5.66E-08	8.97E-08	1.55E-08	1.14E-08	4.11E-07
3723	472863.09	3851877.25	8.16E-04	8.33E-04	8.32E-04	2.83E-07	8.53E-07	4.94E-07	5.04E-07	4.57E-07	2.04E-07	2.08E-07	9.43E-09	2.28E-07	5.03E-08	6.84E-08	1.09E-07	1.87E-08	1.37E-08	4.97E-07
3724	473363.09	3851877.25	7.85E-04	8.01E-04	8.00E-04	2.72E-07	8.20E-07	4.75E-07	4.85E-07	4.39E-07	1.96E-07	2.00E-07	9.07E-09	2.19E-07	4.84E-08	6.58E-08	1.04E-07	1.80E-08	1.32E-08	4.78E-07
3725	473863.09	3851877.25	8.52E-04	8.70E-04	8.69E-04	2.95E-07	8.91E-07	5.16E-07	5.26E-07	4.77E-07	2.13E-07	2.17E-07	9.85E-09	2.38E-07	5.25E-08	7.14E-08	1.13E-07	1.96E-08	1.43E-08	5.19E-07
3726	474363.09	3851877.25	1.12E-03	1.14E-03	1.14E-03	3.86E-07	1.17E-06	6.75E-07	6.89E-07	6.25E-07	2.79E-07	2.85E-07	1.29E-08	3.12E-07	6.88E-08	9.36E-08	1.48E-07	2.56E-08	1.88E-08	6.80E-07
3727	474863.09	3851877.25	1.40E-03	1.43E-03	1.43E-03	4.84E-07	1.46E-06	8.46E-07	8.63E-07	7.83E-07	3.50E-07	3.57E-07	1.62E-08	3.90E-07	8.62E-08	1.17E-07	1.86E-07	3.21E-08	2.35E-08	8.52E-07
3728	475363.09	3851877.25	1.62E-03	1.65E-03	1.65E-03	5.60E-07	1.69E-06	9.79E-07	9.99E-07	9.06E-07	4.05E-07	4.13E-07	1.87E-08	4.52E-07	9.97E-08	1.36E-07	2.15E-07	3.72E-08	2.72E-08	9.86E-07
3729	475863.09	3851877.25	1.81E-03	1.85E-03	1.85E-03	6.28E-07	1.90E-06	1.10E-06	1.12E-06	1.02E-06	4.54E-07	4.63E-07	2.10E-08	5.07E-07	1.12E-07	1.52E-07	2.41E-07	4.17E-08	3.05E-08	1.11E-06
3730	476363.09	3851877.25	1.91E-03	1.95E-03	1.95E-03	6.62E-07	2.00E-06	1.16E-06	1.18E-06	1.07E-06	4.78E-07	4.88E-07	2.21E-08	5.34E-07	1.18E-07	1.60E-07	2.54E-07	4.39E-08	3.22E-08	1.16E-06
3731	476863.09	3851877.25	2.22E-03	2.26E-03	2.26E-03	7.67E-07	2.32E-06	1.34E-06	1.37E-06	1.24E-06	5.55E-07	5.65E-07	2.56E-08	6.19E-07	1.37E-07	1.86E-07	2.95E-07	5.09E-08	3.73E-08	1.35E-06
3732	477363.09	3851877.25	2.55E-03	2.61E-03	2.60E-03	8.84E-07	2.67E-06	1.55E-06	1.58E-06	1.43E-06	6.39E-07	6.51E-07	2.95E-08	7.13E-07	1.57E-07	2.14E-07	3.40E-07	5.87E-08	4.30E-08	1.56E-06
3733	477863.09	3851877.25	2.91E-03	2.97E-03	2.97E-03	1.01E-06	3.04E-06	1.76E-06	1.80E-06	1.63E-06	7.29E-07	7.43E-07	3.36E-08	8.13E-07	1.79E-07	2.44E-07	3.87E-07	6.69E-08	4.90E-08	1.77E-06
3734	478363.09	3851877.25	3.27E-03	3.33E-03	3.33E-03	1.13E-06	3.41E-06	1.98E-06	2.02E-06	1.83E-06	8.17E-07	8.33E-07	3.77E-08	9.12E-07	2.01E-07	2.74E-07	4.34E-07	7.50E-08	5.49E-08	1.99E-06
3735	478863.09	3851877.25	3.90E-03	3.98E-03	3.98E-03	1.35E-06	4.08E-06	2.36E-06	2.41E-06	2.18E-06	9.77E-07	9.96E-07	4.51E-08	1.09E-06	2.41E-07	3.27E-07	5.19E-07	8.97E-08	6.57E-08	2.38E-06
3736	479363.09	3851877.25	4.69E-03	4.79E-03	4.78E-03	1.62E-06	4.90E-06	2.84E-06	2.90E-06	2.63E-06	1.17E-06	1.20E-06	5.42E-08	1.31E-06	2.89E-07	3.93E-07	6.24E-07	1.08E-07	7.89E-08	2.86E-06
3737	479863.09	3851877.25	5.67E-03	5.79E-03	5.78E-03	1.96E-06	5.93E-06	3.43E-06	3.50E-06	3.18E-06	1.42E-06	1.45E-06	6.56E-08	1.58E-06	3.50E-07	4.76E-07	7.54E-07	1.30E-07	9.55E-08	3.46E-06
3738	480363.09	3851877.25	7.39E-03	7.54E-03	7.53E-03	2.56E-06	7.72E-06	4.47E-06	4.56E-06	4.14E-06	1.85E-06	1.88E-06	8.54E-08	2.06E-06	4.55E-07	6.19E-07	9.83E-07	1.70E-07	1.24E-07	4.50E-06
3739	480863.09	3851877.25	1.08E-02	1.10E-02	1.10E-02	3.72E-06	1.12E-05	6.51E-06	6.64E-06	6.02E-06	2.69E-06	2.74E-06	1.24E-07	3.00E-06	6.63E-07	9.02E-07	1.43E-06	2.47E-07	1.81E-07	6.55E-06
3740	481363.09	3851877.25	2.61E-02	2.66E-02	2.66E-02	9.03E-06	2.73E-05	1.58E-05	1.61E-05	1.46E-05	6.53E-06	6.66E-06	3.02E-07	7.29E-06	1.61E-06	2.19E-06	3.47E-06	5.99E-07	4.39E-07	1.59E-05
3741	481863.09	3851877.25	2.88E-02	2.94E-02	2.94E-02	9.98E-06	3.01E-05	1.74E-05	1.78E-05	1.61E-05	7.22E-06	7.35E-06	3.33E-07	8.05E-06	1.78E-06	2.42E-06	3.83E-06	6.62E-07	4.85E-07	1.76E-05
3742	482363.09	3851877.25	1.13E-02	1.16E-02	1.16E-02	3.92E-06	1.18E-05	6.86E-06	7.00E-06	6.34E-06	2.84E-06	2.89E-06	1.31E-07	3.16E-06	6.98E-07	9.50E-07	1.51E-06	2.60E-07	1.91E-07	6.90E-06
3743	482863.09	3851877.25	6.89E-03	7.03E-03	7.02E-03	2.38E-06	7.20E-06	4.17E-06	4.25E-06	3.85E-06	1.72E-06	1.76E-06	7.96E-08	1.92E-06	4.24E-07	5.77E-07	9.16E-07	1.58E-07	1.16E-07	4.19E-06
3744	483363.09	3851877.25	6.06E-03	6.18E-03	6.17E-03	2.10E-06	6.33E-06	3.66E-06	3.74E-06	3.39E-06	1.52E-06	1.54E-06	7.00E-08	1.69E-06	3.73E-07	5.08E-07	8.05E-07	1.39E-07	1.02E-07	3.69E-06
3745	483863.09	3851877.25	5.05E-03	5.16E-03	5.15E-03	1.75E-06	5.28E-06	3.06E-06	3.12E-06	2.83E-06	1.26E-06	1.29E-06	5.84E-08	1.41E-06	3.11E-07	4.24E-07	6.72E-07	1.16E-07	8.50E-08	3.08E-06
3746	484363.09	3851877.25	4.79E-03	4.88E-03	4.88E-03	1.66E-06	5.00E-06	2.90E-06	2.96E-06	2.68E-06	1.20E-06	1.22E-06	5.53E-08	1.34E-06	2.95E-07	4.01E-07	6.37E-07	1.10E-07	8.05E-08	2.92E-06
3747	484863.09	3851877.25	4.08E-03	4.17E-03	4.16E-03	1.41E-06	4.27E-06	2.47E-06	2.52E-06	2.28E-06	1.02E-06	1.04E-06	4.72E-08	1.14E-06	2.52E-07	3.42E-07	5.43E-07	9.38E-08	6.87E-08	2.49E-06
3748	485363.09	3851877.25	3.74E-03	3.82E-03	3.81E-03	1.29E-06	3.91E-06	2.26E-06	2.31E-06	2.09E-06	9.36E-07	9.54E-07	4.32E-08	1.04E-06	2.30E-07	3.14E-07	4.97E-07	8.59E-08	6.29E-08	2.28E-06
3749	485863.09	3851877.25	3.40E-03	3.47E-03	3.47E-03	1.18E-06	3.56E-06	2.06E-06	2.10E-06	1.91E-06	8.52E-07	8.68E-07	3.94E-08	9.51E-07	2.10E-07	2.85E-07	4.53E-07	7.82E-08	5.73E-08	2.07E-06
3750	486363.09	3851877.25	2.91E-03	2.97E-03	2.97E-03	1.01E-06	3.05E-06	1.76E-06	1.80E-06	1.63E-06	7.29E-07	7.43E-07	3.37E-08	8.14E-07	1.80E-07	2.44E-07	3.88E-07	6.69E-08	4.90E-08	1.77E-06
3751	486863.09	3851877.25	2.63E-03	2.68E-03	2.68E-03	9.09E-07	2.75E-06	1.59E-06	1.62E-06	1.47E-06	6.57E-07	6.70E-07	3.04E-08	7.33E-07	1.62E-07	2.20E-07	3.49E-07	6.03E-08	4.42E-08	1.60E-06
3752	487363.09	3851877.25	2.36E-03	2.41E-03	2.41E-03	8.18E-07	2.47E-06	1.43E-06	1.46E-06	1.32E-06	5.92E-07	6.03E-07	2.73E-08	6.60E-07	1.46E-07	1.98E-07	3.14E-07	5.43E-08	3.98E-08	1.44E-06
3753	487863.09	3851877.25	1.99E-03	2.04E-03	2.03E-03	6.91E-07	2.09E-06	1.21E-06	1.23E-06	1.12E-06	4.99E-07	5.09E-07	2.31E-08	5.57E-07	1.23E-07	1.67E-07	2.65E-07	4.58E-08	3.36E-08	1.21E-06
3754	488363.09	3851877.25	1.82E-03	1.86E-03	1.86E-03	6.31E-07	1.90E-06	1.10E-06	1.12E-06	1.02E-06	4.56E-07	4.65E-07	2.11E-08	5.09E-07	1.12E-07	1.53E-07	2.42E-07	4.18E-08	3.07E-08	1.11E-06
3755	488863.09	3851877.25	1.60E-03	1.63E-03	1.63E-03	5.54E-07	1.67E-06	9.68E-07	9.88E-07	8.96E-07	4.01E-07	4.08E-07	1.85E-08	4.47E-07	9.86E-08	1.34E-07	2.13E-07	3.68E-08	2.69E-08	9.75E-07

3756	489363.09	3851877.25	1.42E-03	1.45E-03	1.44E-03	4.91E-07	1.48E-06	8.58E-07	8.75E-07	7.93E-07	3.55E-07	3.62E-07	1.64E-08	3.96E-07	8.73E-08	1.19E-07	1.89E-07	3.26E-08	2.39E-08	8.63E-07
3757	489863.09	3851877.25	1.28E-03	1.31E-03	1.31E-03	4.44E-07	1.34E-06	7.76E-07	7.91E-07	7.17E-07	3.21E-07	3.27E-07	1.48E-08	3.58E-07	7.90E-08	1.07E-07	1.70E-07	2.94E-08	2.16E-08	7.81E-07
3758	490363.09	3851877.25	1.19E-03	1.21E-03	1.21E-03	4.12E-07	1.24E-06	7.20E-07	7.35E-07	6.66E-07	2.98E-07	3.04E-07	1.38E-08	3.32E-07	7.33E-08	9.98E-08	1.58E-07	2.73E-08	2.00E-08	7.25E-07
3759	490863.09	3851877.25	1.12E-03	1.14E-03	1.14E-03	3.87E-07	1.17E-06	6.76E-07	6.90E-07	6.25E-07	2.80E-07	2.85E-07	1.29E-08	3.12E-07	6.88E-08	9.37E-08	1.49E-07	2.57E-08	1.88E-08	6.80E-07
3760	491363.09	3851877.25	1.06E-03	1.08E-03	1.08E-03	3.67E-07	1.11E-06	6.41E-07	6.54E-07	5.93E-07	2.65E-07	2.70E-07	1.22E-08	2.96E-07	6.53E-08	8.88E-08	1.41E-07	2.43E-08	1.78E-08	6.45E-07
3761	491863.09	3851877.25	9.95E-04	1.02E-03	1.01E-03	3.44E-07	1.04E-06	6.02E-07	6.14E-07	5.57E-07	2.49E-07	2.54E-07	1.15E-08	2.78E-07	6.13E-08	8.34E-08	1.32E-07	2.29E-08	1.67E-08	6.06E-07
3762	492363.09	3851877.25	8.96E-04	9.14E-04	9.13E-04	3.10E-07	9.37E-07	5.42E-07	5.53E-07	5.02E-07	2.24E-07	2.29E-07	1.04E-08	2.50E-07	5.52E-08	7.51E-08	1.19E-07	2.06E-08	1.51E-08	5.46E-07
3763	492863.09	3851877.25	7.15E-04	7.29E-04	7.29E-04	2.47E-07	7.47E-07	4.33E-07	4.41E-07	4.00E-07	1.79E-07	1.82E-07	8.26E-09	2.00E-07	4.40E-08	5.99E-08	9.51E-08	1.64E-08	1.20E-08	4.35E-07
3764	493363.09	3851877.25	7.94E-04	8.11E-04	8.10E-04	2.75E-07	8.30E-07	4.81E-07	4.90E-07	4.45E-07	1.99E-07	2.03E-07	9.18E-09	2.22E-07	4.89E-08	6.66E-08	1.06E-07	1.82E-08	1.34E-08	4.84E-07
3765	493863.09	3851877.25	8.62E-04	8.79E-04	8.78E-04	2.98E-07	9.01E-07	5.21E-07	5.32E-07	4.82E-07	2.16E-07	2.20E-07	9.96E-09	2.41E-07	5.31E-08	7.22E-08	1.15E-07	1.98E-08	1.45E-08	5.25E-07
3766	494363.09	3851877.25	7.88E-04	8.04E-04	8.03E-04	2.73E-07	8.24E-07	4.77E-07	4.86E-07	4.41E-07	1.97E-07	2.01E-07	9.11E-09	2.20E-07	4.85E-08	6.61E-08	1.05E-07	1.81E-08	1.33E-08	4.80E-07
3767	494863.09	3851877.25	8.06E-04	8.23E-04	8.22E-04	2.79E-07	8.43E-07	4.88E-07	4.98E-07	4.51E-07	2.02E-07	2.06E-07	9.32E-09	2.25E-07	4.97E-08	6.76E-08	1.07E-07	1.85E-08	1.36E-08	4.91E-07
3768	495363.09	3851877.25	7.96E-04	8.12E-04	8.11E-04	2.76E-07	8.32E-07	4.82E-07	4.92E-07	4.46E-07	1.99E-07	2.03E-07	9.20E-09	2.22E-07	4.91E-08	6.67E-08	1.06E-07	1.83E-08	1.34E-08	4.85E-07
3769	495863.09	3851877.25	7.76E-04	7.91E-04	7.90E-04	2.68E-07	8.11E-07	4.69E-07	4.79E-07	4.34E-07	1.94E-07	1.98E-07	8.96E-09	2.17E-07	4.78E-08	6.50E-08	1.03E-07	1.78E-08	1.30E-08	4.72E-07
3770	496363.09	3851877.25	7.33E-04	7.48E-04	7.47E-04	2.54E-07	7.66E-07	4.43E-07	4.52E-07	4.10E-07	1.83E-07	1.87E-07	8.47E-09	2.05E-07	4.52E-08	6.14E-08	9.75E-08	1.68E-08	1.23E-08	4.46E-07
3771	496863.09	3851877.25	6.90E-04	7.04E-04	7.03E-04	2.39E-07	7.21E-07	4.17E-07	4.26E-07	3.86E-07	1.73E-07	1.76E-07	7.97E-09	1.93E-07	4.25E-08	5.78E-08	9.17E-08	1.58E-08	1.16E-08	4.20E-07
3772	497363.09	3851877.25	6.46E-04	6.60E-04	6.59E-04	2.24E-07	6.76E-07	3.91E-07	3.99E-07	3.62E-07	1.62E-07	1.65E-07	7.47E-09	1.81E-07	3.98E-08	5.42E-08	8.60E-08	1.48E-08	1.09E-08	3.94E-07
3773	497863.09	3851877.25	5.87E-04	5.99E-04	5.98E-04	2.03E-07	6.14E-07	3.55E-07	3.62E-07	3.29E-07	1.47E-07	1.50E-07	6.79E-09	1.64E-07	3.62E-08	4.92E-08	7.81E-08	1.35E-08	9.88E-09	3.57E-07
3774	498363.09	3851877.25	5.34E-04	5.45E-04	5.44E-04	1.85E-07	5.58E-07	3.23E-07	3.30E-07	2.99E-07	1.34E-07	1.36E-07	6.18E-09	1.49E-07	3.29E-08	4.48E-08	7.10E-08	1.23E-08	8.99E-09	3.25E-07
3775	471363.09	3852377.25	4.11E-04	4.19E-04	4.19E-04	1.42E-07	4.30E-07	2.49E-07	2.54E-07	2.30E-07	1.03E-07	1.05E-07	4.75E-09	1.15E-07	2.53E-08	3.45E-08	5.47E-08	9.44E-09	6.92E-09	2.50E-07
3776	471863.09	3852377.25	5.12E-04	5.22E-04	5.22E-04	1.77E-07	5.35E-07	3.10E-07	3.16E-07	2.86E-07	1.28E-07	1.31E-07	5.92E-09	1.43E-07	3.15E-08	4.29E-08	6.81E-08	1.18E-08	8.61E-09	3.12E-07
3777	472363.09	3852377.25	5.91E-04	6.03E-04	6.02E-04	2.04E-07	6.17E-07	3.57E-07	3.65E-07	3.31E-07	1.48E-07	1.51E-07	6.83E-09	1.65E-07	3.64E-08	4.95E-08	7.85E-08	1.36E-08	9.94E-09	3.60E-07
3778	472863.09	3852377.25	6.72E-04	6.86E-04	6.85E-04	2.33E-07	7.02E-07	4.07E-07	4.15E-07	3.76E-07	1.68E-07	1.71E-07	7.77E-09	1.88E-07	4.14E-08	5.63E-08	8.93E-08	1.54E-08	1.13E-08	4.09E-07
3779	473363.09	3852377.25	7.33E-04	7.48E-04	7.47E-04	2.54E-07	7.66E-07	4.43E-07	4.52E-07	4.10E-07	1.83E-07	1.87E-07	8.47E-09	2.05E-07	4.52E-08	6.14E-08	9.75E-08	1.68E-08	1.23E-08	4.46E-07
3780	473863.09	3852377.25	7.75E-04	7.90E-04	7.90E-04	2.68E-07	8.10E-07	4.69E-07	4.78E-07	4.34E-07	1.94E-07	1.98E-07	8.95E-09	2.16E-07	4.77E-08	6.49E-08	1.03E-07	1.78E-08	1.30E-08	4.72E-07
3781	474363.09	3852377.25	8.24E-04	8.41E-04	8.40E-04	2.85E-07	8.62E-07	4.99E-07	5.09E-07	4.61E-07	2.06E-07	2.10E-07	9.53E-09	2.30E-07	5.08E-08	6.91E-08	1.10E-07	1.89E-08	1.39E-08	5.02E-07
3782	474863.09	3852377.25	1.16E-03	1.18E-03	1.18E-03	4.01E-07	1.21E-06	7.02E-07	7.16E-07	6.49E-07	2.90E-07	2.96E-07	1.34E-08	3.24E-07	7.14E-08	9.72E-08	1.54E-07	2.66E-08	1.95E-08	7.06E-07
3783	475363.09	3852377.25	1.25E-03	1.27E-03	1.27E-03	4.32E-07	1.31E-06	7.56E-07	7.71E-07	6.99E-07	3.13E-07	3.19E-07	1.44E-08	3.49E-07	7.69E-08	1.05E-07	1.66E-07	2.87E-08	2.10E-08	7.61E-07
3784	475863.09	3852377.25	1.33E-03	1.36E-03	1.35E-03	4.60E-07	1.39E-06	8.04E-07	8.20E-07	7.43E-07	3.32E-07	3.39E-07	1.54E-08	3.71E-07	8.18E-08	1.11E-07	1.77E-07	3.05E-08	2.23E-08	8.09E-07
3785	476363.09	3852377.25	1.36E-03	1.39E-03	1.39E-03	4.71E-07	1.42E-06	8.22E-07	8.39E-07	7.61E-07	3.40E-07	3.47E-07	1.57E-08	3.80E-07	8.37E-08	1.14E-07	1.81E-07	3.12E-08	2.29E-08	8.28E-07
3786	476863.09	3852377.25	1.52E-03	1.55E-03	1.55E-03	5.27E-07	1.59E-06	9.21E-07	9.40E-07	8.52E-07	3.81E-07	3.88E-07	1.76E-08	4.25E-07	9.38E-08	1.28E-07	2.03E-07	3.50E-08	2.56E-08	9.27E-07
3787	477363.09	3852377.25	1.62E-03	1.66E-03	1.66E-03	5.62E-07	1.70E-06	9.83E-07	1.00E-06	9.09E-07	4.06E-07	4.14E-07	1.88E-08	4.53E-07	1.00E-07	1.36E-07	2.16E-07	3.73E-08	2.73E-08	9.89E-07
3788	477863.09	3852377.25	1.38E-03	1.41E-03	1.40E-03	4.77E-07	1.44E-06	8.33E-07	8.50E-07	7.71E-07	3.45E-07	3.51E-07	1.59E-08	3.85E-07	8.49E-08	1.15E-07	1.83E-07	3.16E-08	2.32E-08	8.39E-07
3789	478363.09	3852377.25	1.24E-03	1.27E-03	1.27E-03	4.31E-07	1.30E-06	7.53E-07	7.68E-07	6.97E-07	3.12E-07	3.17E-07	1.44E-08	3.48E-07	7.67E-08	1.04E-07	1.66E-07	2.86E-08	2.09E-08	7.58E-07
3790	478863.09	3852377.25	1.87E-03	1.90E-03	1.90E-03	6.46E-07	1.95E-06	1.13E-06	1.15E-06	1.04E-06	4.67E-07	4.76E-07	2.16E-08	5.21E-07	1.15E-07	1.56E-07	2.48E-07	4.29E-08	3.14E-08	1.14E-06
3791	479363.09	3852377.25	2.40E-03	2.45E-03	2.45E-03	8.32E-07	2.51E-06	1.45E-06	1.48E-06	1.35E-06	6.01E-07	6.13E-07	2.78E-08	6.71E-07	1.48E-07	2.01E-07	3.20E-07	5.52E-08	4.04E-08	1.46E-06
3792	479863.09	3852377.25	3.67E-03	3.75E-03	3.74E-03	1.27E-06	3.84E-06	2.22E-06	2.27E-06	2.05E-06	9.19E-07	9.37E-07	4.24E-08	1.03E-06	2.26E-07	3.08E-07	4.88E-07	8.43E-08	6.18E-08	2.24E-06
3793	480363.09	3852377.25	4.76E-03	4.86E-03	4.85E-03	1.65E-06	4.98E-06	2.88E-06	2.94E-06	2.67E-06	1.19E-06	1.21E-06	5.50E-08	1.33E-06	2.93E-07	3.99E-07	6.33E-07	1.09E-07	8.01E-08	2.90E-06
3794	480863.09	3852377.25	6.15E-03	6.28E-03	6.27E-03	2.13E-06	6.43E-06	3.72E-06	3.80E-06	3.44E-06	1.54E-06	1.57E-06	7.11E-08	1.72E-06	3.79E-07	5.16E-07	8.18E-07	1.41E-07	1.03E-07	3.75E-06
3795	481363.09	3852377.25	9.26E-03	9.45E-03	9.44E-03	3.21E-06	9.68E-06	5.60E-06	5.72E-06	5.18E-06	2.32E-06	2.36E-06	1.07E-07	2.59E-06	5.71E-07	7.76E-07	1.23E-06	2.13E-07	1.56E-07	5.64E-06
3796	481863.09	3852377.25	2.62E-02	2.67E-02	2.67E-02	9.06E-06	2.74E-05	1.58E-05	1.62E-05	1.47E-05	6.55E-06	6.68E-06	3.03E-07	7.31E-06	1.61E-06	2.19E-06	3.48E-06	6.01E-07	4.40E-07	1.59E-05
3797	482363.09	3852377.25	2.60E-02	2.65E-02	2.65E-02	8.99E-06	2.71E-05	1.57E-05	1.60E-05	1.45E-05	6.50E-06	6.62E-06	3.00E-07	7.25E-06	1.60E-06	2.18E-06	3.45E-06	5.96E-07	4.37E-07	1.58E-05
3798	482863.09	3852377.25	1.23E-02	1.25E-02	1.25E-02	4.25E-06	1.28E-05	7.42E-06	7.58E-06	6.87E-06	3.07E-06	3.13E-06	1.42E-07	3.43E-06	7.56E-07	1.03E-06	1.63E-06	2.82E-07	2.06E-07	7.47E-06
3799	483363.09	3852377.25	7.20E-03	7.35E-03	7.34E-03	2.49E-06	7.52E-06	4.36E-06	4.44E-06	4.03E-06	1.80E-06	1.84E-06	8.32E-08	2.01E-06	4.44E-07	6.03E-07	9.57E-07	1.65E-07	1.21E-07	4.38E-06
3800	483863.09	3852377.25	5.44E-03	5.56E-03	5.55E-03	1.88E-06	5.69E-06	3.29E-06	3.36E-06	3.05E-06	1.36E-06	1.39E-06	6.29E-08	1.52E-06	3.35E-07	4.56E-07	7.24E-07	1.25E-07	9.16E-08	3.32E-06
3801	484363.09	3852377.25	5.16E-03	5.26E-03	5.26E-03	1.78E-06	5.39E-06	3.12E-06	3.18E-06	2.89E-06	1.29E-06	1.32E-06	5.96E-08	1.44E-06	3.18E-07	4.32E-07	6.86E-07	1.18E-07	8.68E-08	3.14E-06
3802	484863.09	3852377.25	4.68E-03	4.78E-03	4.77E-03	1.62E-06	4.89E-06	2.83E-06	2.89E-06	2.62E-06	1.17E-06	1.19E-06	5.41E-08	1.31E-06	2.88E-07	3.92E-07	6.22E-07	1.07E-07	7.87E-08	2.85E-06
3803	485363.09	3852377.25	4.21E-03	4.30E-03	4.29E-03	1.46E-06	4.40E-06	2.55E-06	2.60E-06	2.36E-06	1.05E-06	1.07E-06	4.87E-08	1.18E-06	2.59E-07	3.53E-07	5.60E-07	9.67E-08	7.08E-08	2.56E-06
3804	485863.09	3852377.25	3.55E-03	3.62E-03	3.61E-03	1.23E-06	3.71E-06	2.15E-06	2.19E-06	1.98E-06	8.87E-07	9.05E-07	4.10E-08	9.90E-07	2.18E-07	2.97E-07	4.72E-07	8.14E-08	5.97E-08	2.16E-06
3805	486363.09	3852377.25	2.90E-03	2.96E-03	2.96E-03	1.01E-06	3.04E-06	1.76E-06	1.79E-06	1.63E-06	7.27E-07	7.41E-07	3.36E-08	8.11E-07	1.79E-07	2.43E-07	3.86E-07	6.67E-08	4.89E-08	1.77E-06
3806	486863.09	3852377.25	2.54E-03	2.59E-03	2.59E-03	8.79E-07	2.65E-06	1.54E-06	1.57E-06	1.42E-06	6.35E-07	6.47E-07	2.93E-08	7.09E-07	1.56E-07	2.13E-07	3.38E-07	5.83E-08	4.27E-08	1.55E-06
3807	487363.09	3852377.25	2.18E-03	2.23E-03	2.22E-03	7.55E-07	2.28E-06	1.32E-06	1.35E-06	1.22E-06	5.46E-07	5.56E-07	2.52E-08	6.09E-07	1.34E-07	1.83E-07	2.90E-07	5.01E-08	3.67E-08	1.33E-06
3808	487863.09	3852377.25	1.88E-03	1.92E-03	1.92E-03	6.51E-07	1.97E-06	1.14E-06	1.16E-06	1.05E-06	4.71E-07	4.80E-07	2.17E-08	5.25E-07	1.16E-07	1.58E-07	2.50E-07	4.32E-08	3.16E-08	1.15E-06
3809	488363.09	3852377.25	1.63E-03	1.66E-03	1.66E-03	5.63E-07	1.70E-06	9.83E-07	1.00E-06	9.10E-07	4.07E-07	4.15E-07	1.88E-08	4.54E-07	1.00E-07	1.36E-07	2.16E-07	3.73E-08	2.73E-08	9.90E-07
3810	488863.09	3852377.25	1.39E-03	1.42E-03	1.42E-03	4.82E-07	1.45E-06	8.42E-07	8.59E-07	7.79E-07	3.48E-07	3.55E-07	1.61E-08	3.89E-07	8.57E-08	1.17E-07	1.85E-07	3.20E-08	2.34E-08	8.47E-07
3811	489363.09	3852377.25	1.22E-03	1.25E-03	1.25E-03	4.23E-07	1.28E-06	7.40E-07	7.55E-07	6.84E-07	3.06E-07	3.12E-07	1.41E-08	3.41E-07	7.53E-08	1.02E-07	1.63E-07	2.81E-08	2.06E-08	7.44E-07
3812	489863.09	3852377.25	1.04E-03	1.06E-03	1.06E-03	3.60E-07	1.09E-06	6.29E-07	6.41E-07	5.82E-07	2.60E-07	2.65E-07	1.20E-08	2.90E-07	6.40E-08	8.71E-08	1.38E-07	2.39E-08	1.75E-08	6.33E-07

3813	490363.09	3852377.25	1.05E-03	1.07E-03	1.07E-03	3.62E-07	1.09E-06	6.33E-07	6.46E-07	5.86E-07	2.62E-07	2.67E-07	1.21E-08	2.92E-07	6.45E-08	8.77E-08	1.39E-07	2.40E-08	1.76E-08	6.37E-07
3814	490863.09	3852377.25	1.03E-03	1.05E-03	1.05E-03	3.57E-07	1.08E-06	6.24E-07	6.37E-07	5.77E-07	2.58E-07	2.63E-07	1.19E-08	2.88E-07	6.35E-08	8.64E-08	1.37E-07	2.37E-08	1.73E-08	6.28E-07
3815	491363.09	3852377.25	1.10E-03	1.12E-03	1.12E-03	3.79E-07	1.15E-06	6.63E-07	6.77E-07	6.14E-07	2.74E-07	2.80E-07	1.27E-08	3.06E-07	6.75E-08	9.19E-08	1.46E-07	2.52E-08	1.84E-08	6.68E-07
3816	491863.09	3852377.25	1.04E-03	1.06E-03	1.06E-03	3.60E-07	1.09E-06	6.30E-07	6.43E-07	5.83E-07	2.61E-07	2.66E-07	1.20E-08	2.91E-07	6.41E-08	8.73E-08	1.38E-07	2.39E-08	1.75E-08	6.34E-07
3817	492363.09	3852377.25	9.83E-04	1.00E-03	1.00E-03	3.40E-07	1.03E-06	5.95E-07	6.07E-07	5.50E-07	2.46E-07	2.51E-07	1.14E-08	2.74E-07	6.06E-08	8.24E-08	1.31E-07	2.26E-08	1.65E-08	5.99E-07
3818	492863.09	3852377.25	9.67E-04	9.87E-04	9.85E-04	3.35E-07	1.01E-06	5.85E-07	5.97E-07	5.41E-07	2.42E-07	2.47E-07	1.12E-08	2.70E-07	5.96E-08	8.10E-08	1.29E-07	2.22E-08	1.63E-08	5.89E-07
3819	493363.09	3852377.25	9.81E-04	1.00E-03	1.00E-03	3.40E-07	1.03E-06	5.94E-07	6.06E-07	5.49E-07	2.46E-07	2.50E-07	1.13E-08	2.74E-07	6.05E-08	8.23E-08	1.30E-07	2.25E-08	1.65E-08	5.98E-07
3820	493863.09	3852377.25	9.20E-04	9.39E-04	9.38E-04	3.19E-07	9.62E-07	5.57E-07	5.68E-07	5.15E-07	2.30E-07	2.35E-07	1.06E-08	2.57E-07	5.67E-08	7.71E-08	1.22E-07	2.11E-08	1.55E-08	5.60E-07
3821	494363.09	3852377.25	8.65E-04	8.82E-04	8.81E-04	2.99E-07	9.04E-07	5.23E-07	5.34E-07	4.84E-07	2.16E-07	2.21E-07	1.00E-08	2.41E-07	5.33E-08	7.25E-08	1.15E-07	1.99E-08	1.46E-08	5.27E-07
3822	494863.09	3852377.25	8.55E-04	8.72E-04	8.71E-04	2.96E-07	8.93E-07	5.17E-07	5.28E-07	4.78E-07	2.14E-07	2.18E-07	9.88E-09	2.39E-07	5.26E-08	7.16E-08	1.14E-07	1.96E-08	1.44E-08	5.20E-07
3823	495363.09	3852377.25	8.44E-04	8.61E-04	8.60E-04	2.92E-07	8.82E-07	5.11E-07	5.21E-07	4.72E-07	2.11E-07	2.15E-07	9.76E-09	2.36E-07	5.20E-08	7.08E-08	1.12E-07	1.94E-08	1.42E-08	5.14E-07
3824	495863.09	3852377.25	7.88E-04	8.04E-04	8.03E-04	2.73E-07	8.24E-07	4.77E-07	4.86E-07	4.41E-07	1.97E-07	2.01E-07	9.11E-09	2.20E-07	4.85E-08	6.61E-08	1.05E-07	1.81E-08	1.33E-08	4.80E-07
3825	496363.09	3852377.25	7.33E-04	7.48E-04	7.47E-04	2.54E-07	7.66E-07	4.44E-07	4.53E-07	4.10E-07	1.83E-07	1.87E-07	8.47E-09	2.05E-07	4.52E-08	6.15E-08	9.75E-08	1.68E-08	1.23E-08	4.46E-07
3826	496863.09	3852377.25	6.91E-04	7.05E-04	7.05E-04	2.39E-07	7.23E-07	4.18E-07	4.27E-07	3.87E-07	1.73E-07	1.76E-07	7.99E-09	1.93E-07	4.26E-08	5.79E-08	9.19E-08	1.59E-08	1.16E-08	4.21E-07
3827	497363.09	3852377.25	6.20E-04	6.33E-04	6.32E-04	2.15E-07	6.48E-07	3.75E-07	3.83E-07	3.47E-07	1.55E-07	1.58E-07	7.17E-09	1.73E-07	3.82E-08	5.20E-08	8.24E-08	1.42E-08	1.04E-08	3.78E-07
3828	497863.09	3852377.25	5.50E-04	5.61E-04	5.60E-04	1.90E-07	5.74E-07	3.33E-07	3.39E-07	3.08E-07	1.38E-07	1.40E-07	6.35E-09	1.53E-07	3.39E-08	4.61E-08	7.31E-08	1.26E-08	9.25E-09	3.35E-07
3829	498363.09	3852377.25	4.86E-04	4.96E-04	4.96E-04	1.68E-07	5.08E-07	2.94E-07	3.00E-07	2.72E-07	1.22E-07	1.24E-07	5.62E-09	1.36E-07	3.00E-08	4.08E-08	6.47E-08	1.12E-08	8.18E-09	2.96E-07
3830	471363.09	3852877.25	4.14E-04	4.23E-04	4.22E-04	1.43E-07	4.33E-07	2.51E-07	2.56E-07	2.32E-07	1.04E-07	1.06E-07	4.79E-09	1.16E-07	2.55E-08	3.47E-08	5.51E-08	9.52E-09	6.97E-09	2.52E-07
3831	471863.09	3852877.25	4.81E-04	4.91E-04	4.90E-04	1.67E-07	5.03E-07	2.91E-07	2.97E-07	2.69E-07	1.20E-07	1.23E-07	5.56E-09	1.34E-07	2.96E-08	4.03E-08	6.40E-08	1.11E-08	8.10E-09	2.93E-07
3832	472363.09	3852877.25	5.49E-04	5.60E-04	5.60E-04	1.90E-07	5.74E-07	3.32E-07	3.39E-07	3.07E-07	1.37E-07	1.40E-07	6.35E-09	1.53E-07	3.38E-08	4.60E-08	7.30E-08	1.26E-08	9.24E-09	3.34E-07
3833	472863.09	3852877.25	6.16E-04	6.28E-04	6.28E-04	2.13E-07	6.44E-07	3.73E-07	3.80E-07	3.45E-07	1.54E-07	1.57E-07	7.12E-09	1.72E-07	3.79E-08	5.16E-08	8.19E-08	1.41E-08	1.04E-08	3.75E-07
3834	473363.09	3852877.25	6.86E-04	7.00E-04	6.99E-04	2.37E-07	7.17E-07	4.15E-07	4.24E-07	3.84E-07	1.72E-07	1.75E-07	7.93E-09	1.92E-07	4.23E-08	5.75E-08	9.12E-08	1.58E-08	1.15E-08	4.18E-07
3835	473863.09	3852877.25	7.76E-04	7.92E-04	7.91E-04	2.69E-07	8.11E-07	4.70E-07	4.79E-07	4.34E-07	1.94E-07	1.98E-07	8.97E-09	2.17E-07	4.78E-08	6.51E-08	1.03E-07	1.78E-08	1.31E-08	4.73E-07
3836	474363.09	3852877.25	8.70E-04	8.88E-04	8.87E-04	3.01E-07	9.09E-07	5.26E-07	5.37E-07	4.87E-07	2.18E-07	2.22E-07	1.01E-08	2.43E-07	5.36E-08	7.29E-08	1.16E-07	2.00E-08	1.46E-08	5.30E-07
3837	474863.09	3852877.25	8.17E-04	8.34E-04	8.33E-04	2.83E-07	8.54E-07	4.95E-07	5.05E-07	4.57E-07	2.05E-07	2.09E-07	9.45E-09	2.28E-07	5.04E-08	6.85E-08	1.09E-07	1.88E-08	1.38E-08	4.98E-07
3838	475363.09	3852877.25	9.48E-04	9.68E-04	9.66E-04	3.28E-07	9.91E-07	5.74E-07	5.85E-07	5.31E-07	2.37E-07	2.42E-07	1.10E-08	2.65E-07	5.84E-08	7.95E-08	1.26E-07	2.18E-08	1.60E-08	5.77E-07
3839	475863.09	3852877.25	1.01E-03	1.03E-03	1.03E-03	3.50E-07	1.06E-06	6.13E-07	6.25E-07	5.67E-07	2.53E-07	2.58E-07	1.17E-08	2.83E-07	6.24E-08	8.49E-08	1.35E-07	2.33E-08	1.70E-08	6.17E-07
3840	476363.09	3852877.25	9.52E-04	9.71E-04	9.70E-04	3.29E-07	9.95E-07	5.76E-07	5.88E-07	5.33E-07	2.38E-07	2.43E-07	1.10E-08	2.66E-07	5.86E-08	7.98E-08	1.27E-07	2.19E-08	1.60E-08	5.80E-07
3841	476863.09	3852877.25	7.98E-04	8.15E-04	8.14E-04	2.76E-07	8.34E-07	4.83E-07	4.93E-07	4.47E-07	2.00E-07	2.04E-07	9.23E-09	2.23E-07	4.92E-08	6.69E-08	1.06E-07	1.83E-08	1.34E-08	4.86E-07
3842	477363.09	3852877.25	7.03E-04	7.17E-04	7.16E-04	2.43E-07	7.35E-07	4.25E-07	4.34E-07	3.93E-07	1.76E-07	1.79E-07	8.12E-09	1.96E-07	4.33E-08	5.89E-08	9.35E-08	1.61E-08	1.18E-08	4.28E-07
3843	477863.09	3852877.25	5.94E-04	6.06E-04	6.05E-04	2.06E-07	6.21E-07	3.59E-07	3.67E-07	3.32E-07	1.49E-07	1.51E-07	6.86E-09	1.66E-07	3.66E-08	4.98E-08	7.90E-08	1.36E-08	9.99E-09	3.62E-07
3844	478363.09	3852877.25	4.22E-04	4.31E-04	4.30E-04	1.46E-07	4.41E-07	2.55E-07	2.61E-07	2.36E-07	1.06E-07	1.08E-07	4.88E-09	1.18E-07	2.60E-08	3.54E-08	5.62E-08	9.70E-09	7.10E-09	2.57E-07
3845	478863.09	3852877.25	5.77E-04	5.89E-04	5.88E-04	2.00E-07	6.03E-07	3.49E-07	3.56E-07	3.23E-07	1.44E-07	1.47E-07	6.67E-09	1.61E-07	3.55E-08	4.84E-08	7.67E-08	1.33E-08	9.71E-09	3.51E-07
3846	479363.09	3852877.25	9.63E-04	9.83E-04	9.81E-04	3.33E-07	1.01E-06	5.83E-07	5.95E-07	5.39E-07	2.41E-07	2.46E-07	1.11E-08	2.69E-07	5.93E-08	8.07E-08	1.28E-07	2.21E-08	1.62E-08	5.86E-07
3847	479863.09	3852877.25	2.02E-03	2.06E-03	2.06E-03	6.99E-07	2.11E-06	1.22E-06	1.25E-06	1.13E-06	5.05E-07	5.15E-07	2.33E-08	5.64E-07	1.24E-07	1.69E-07	2.69E-07	4.64E-08	3.40E-08	1.23E-06
3848	480363.09	3852877.25	3.35E-03	3.41E-03	3.41E-03	1.16E-06	3.50E-06	2.02E-06	2.07E-06	1.87E-06	8.37E-07	8.53E-07	3.87E-08	9.34E-07	2.06E-07	2.80E-07	4.45E-07	7.68E-08	5.63E-08	2.04E-06
3849	480863.09	3852877.25	4.18E-03	4.27E-03	4.26E-03	1.45E-06	4.37E-06	2.53E-06	2.58E-06	2.34E-06	1.05E-06	1.07E-06	4.83E-08	1.17E-06	2.58E-07	3.50E-07	5.56E-07	9.60E-08	7.03E-08	2.55E-06
3850	481363.09	3852877.25	5.53E-03	5.64E-03	5.64E-03	1.91E-06	5.78E-06	3.35E-06	3.41E-06	3.09E-06	1.38E-06	1.41E-06	6.39E-08	1.54E-06	3.41E-07	4.64E-07	7.35E-07	1.27E-07	9.30E-08	3.37E-06
3851	481863.09	3852877.25	8.70E-03	8.88E-03	8.87E-03	3.01E-06	9.10E-06	5.27E-06	5.37E-06	4.87E-06	2.18E-06	2.22E-06	1.01E-07	2.43E-06	5.36E-07	7.30E-07	1.16E-06	2.00E-07	1.46E-07	5.30E-06
3852	482363.09	3852877.25	2.89E-02	2.95E-02	2.94E-02	1.00E-05	3.02E-05	1.75E-05	1.78E-05	1.62E-05	7.23E-06	7.37E-06	3.34E-07	8.06E-06	1.78E-06	2.42E-06	3.84E-06	6.63E-07	4.86E-07	1.76E-05
3853	482863.09	3852877.25	2.41E-02	2.46E-02	2.45E-02	8.33E-06	2.52E-05	1.46E-05	1.49E-05	1.35E-05	6.03E-06	6.14E-06	2.78E-07	6.72E-06	1.48E-06	2.02E-06	3.20E-06	5.53E-07	4.05E-07	1.47E-05
3854	483363.09	3852877.25	1.09E-02	1.11E-02	1.11E-02	3.78E-06	1.14E-05	6.60E-06	6.73E-06	6.10E-06	2.73E-06	2.78E-06	1.26E-07	3.05E-06	6.72E-07	9.14E-07	1.45E-06	2.51E-07	1.84E-07	6.64E-06
3855	483863.09	3852877.25	6.26E-03	6.39E-03	6.38E-03	2.17E-06	6.54E-06	3.79E-06	3.86E-06	3.50E-06	1.57E-06	1.60E-06	7.24E-08	1.75E-06	3.86E-07	5.25E-07	8.32E-07	1.44E-07	1.05E-07	3.81E-06
3856	484363.09	3852877.25	5.64E-03	5.76E-03	5.75E-03	1.95E-06	5.90E-06	3.42E-06	3.48E-06	3.16E-06	1.41E-06	1.44E-06	6.52E-08	1.58E-06	3.48E-07	4.73E-07	7.51E-07	1.30E-07	9.50E-08	3.44E-06
3857	484863.09	3852877.25	4.87E-03	4.97E-03	4.96E-03	1.69E-06	5.09E-06	2.95E-06	3.01E-06	2.73E-06	1.22E-06	1.24E-06	5.63E-08	1.36E-06	3.00E-07	4.08E-07	6.48E-07	1.12E-07	8.20E-08	2.97E-06
3858	485363.09	3852877.25	3.51E-03	3.58E-03	3.57E-03	1.21E-06	3.66E-06	2.12E-06	2.16E-06	1.96E-06	8.77E-07	8.94E-07	4.05E-08	9.79E-07	2.16E-07	2.94E-07	4.66E-07	8.05E-08	5.90E-08	2.14E-06
3859	485863.09	3852877.25	2.90E-03	2.96E-03	2.96E-03	1.00E-06	3.03E-06	1.76E-06	1.79E-06	1.62E-06	7.27E-07	7.41E-07	3.36E-08	8.11E-07	1.79E-07	2.43E-07	3.86E-07	6.67E-08	4.88E-08	1.77E-06
3860	486363.09	3852877.25	2.41E-03	2.46E-03	2.45E-03	8.33E-07	2.52E-06	1.46E-06	1.49E-06	1.35E-06	6.03E-07	6.14E-07	2.78E-08	6.72E-07	1.48E-07	2.02E-07	3.20E-07	5.53E-08	4.05E-08	1.47E-06
3861	486863.09	3852877.25	2.12E-03	2.17E-03	2.16E-03	7.35E-07	2.22E-06	1.29E-06	1.31E-06	1.19E-06	5.32E-07	5.42E-07	2.46E-08	5.93E-07	1.31E-07	1.78E-07	2.82E-07	4.88E-08	3.57E-08	1.29E-06
3862	487363.09	3852877.25	1.82E-03	1.86E-03	1.85E-03	6.29E-07	1.90E-06	1.10E-06	1.12E-06	1.02E-06	4.55E-07	4.64E-07	2.10E-08	5.08E-07	1.12E-07	1.52E-07	2.42E-07	4.18E-08	3.06E-08	1.11E-06
3863	487863.09	3852877.25	1.59E-03	1.63E-03	1.62E-03	5.51E-07	1.66E-06	9.64E-07	9.84E-07	8.92E-07	3.99E-07	4.06E-07	1.84E-08	4.45E-07	9.81E-08	1.34E-07	2.12E-07	3.66E-08	2.68E-08	9.70E-07
3864	488363.09	3852877.25	1.12E-03	1.15E-03	1.14E-03	3.89E-07	1.17E-06	6.80E-07	6.94E-07	6.29E-07	2.81E-07	2.87E-07	1.30E-08	3.14E-07	6.92E-08	9.42E-08	1.49E-07	2.58E-08	1.89E-08	6.84E-07
3865	488863.09	3852877.25	1.12E-03	1.14E-03	1.14E-03	3.86E-07	1.17E-06	6.75E-07	6.89E-07	6.25E-07	2.79E-07	2.85E-07	1.29E-08	3.12E-07	6.88E-08	9.36E-08	1.48E-07	2.56E-08	1.88E-08	6.80E-07
3866	489363.09	3852877.25	1.05E-03	1.08E-03	1.07E-03	3.65E-07	1.10E-06	6.38E-07	6.51E-07	5.90E-07	2.64E-07	2.69E-07	1.22E-08	2.94E-07	6.50E-08	8.84E-08	1.40E-07	2.42E-08	1.77E-08	6.42E-07
3867	489863.09	3852877.25	9.95E-04	1.02E-03	1.01E-03	3.45E-07	1.04E-06	6.02E-07	6.15E-07	5.57E-07	2.49E-07	2.54E-07	1.15E-08	2.78E-07	6.13E-08	8.34E-08	1.32E-07	2.29E-08	1.67E-08	6.06E-07
3868	490363.09	3852877.25	1.14E-03	1.16E-03	1.16E-03	3.95E-07	1.19E-06	6.91E-07	7.05E-07	6.39E-07	2.86E-07	2.91E-07	1.32E-08	3.19E-07	7.03E-08	9.57E-08	1.52E-07	2.62E-08	1.92E-08	6.95E-07
3869	490863.09	3852877.25	1.14E-03	1.16E-03	1.16E-03	3.95E-07	1.19E-06	6.90E-07	7.04E-07	6.38E-07	2.85E-07	2.91E-07	1.32E-08	3.18E-07	7.03E-08	9.56E-08	1.52E-07	2.62E-08	1.92E-08	6.95E-07

3870	491363.09	3852877.25	1.13E-03	1.15E-03	1.15E-03	3.90E-07	1.18E-06	6.82E-07	6.96E-07	6.31E-07	2.82E-07	2.88E-07	1.30E-08	3.15E-07	6.95E-08	9.45E-08	1.50E-07	2.59E-08	1.90E-08	6.87E-07
3871	491863.09	3852877.25	1.08E-03	1.10E-03	1.10E-03	3.73E-07	1.13E-06	6.52E-07	6.65E-07	6.03E-07	2.70E-07	2.75E-07	1.25E-08	3.01E-07	6.64E-08	9.03E-08	1.43E-07	2.47E-08	1.81E-08	6.56E-07
3872	492363.09	3852877.25	1.04E-03	1.06E-03	1.06E-03	3.60E-07	1.09E-06	6.29E-07	6.42E-07	5.82E-07	2.60E-07	2.65E-07	1.20E-08	2.90E-07	6.41E-08	8.72E-08	1.38E-07	2.39E-08	1.75E-08	6.33E-07
3873	492863.09	3852877.25	1.04E-03	1.06E-03	1.06E-03	3.59E-07	1.08E-06	6.27E-07	6.40E-07	5.80E-07	2.59E-07	2.64E-07	1.20E-08	2.89E-07	6.39E-08	8.69E-08	1.38E-07	2.38E-08	1.74E-08	6.31E-07
3874	493363.09	3852877.25	1.01E-03	1.03E-03	1.03E-03	3.50E-07	1.06E-06	6.12E-07	6.25E-07	5.66E-07	2.53E-07	2.58E-07	1.17E-08	2.83E-07	6.23E-08	8.48E-08	1.35E-07	2.32E-08	1.70E-08	6.16E-07
3875	493863.09	3852877.25	9.56E-04	9.76E-04	9.75E-04	3.31E-07	9.99E-07	5.79E-07	5.90E-07	5.35E-07	2.39E-07	2.44E-07	1.11E-08	2.67E-07	5.89E-08	8.02E-08	1.27E-07	2.20E-08	1.61E-08	5.82E-07
3876	494363.09	3852877.25	9.11E-04	9.29E-04	9.28E-04	3.15E-07	9.52E-07	5.51E-07	5.62E-07	5.10E-07	2.28E-07	2.32E-07	1.05E-08	2.54E-07	5.61E-08	7.63E-08	1.21E-07	2.09E-08	1.53E-08	5.54E-07
3877	494863.09	3852877.25	8.79E-04	8.97E-04	8.96E-04	3.04E-07	9.19E-07	5.32E-07	5.43E-07	4.92E-07	2.20E-07	2.24E-07	1.02E-08	2.46E-07	5.42E-08	7.37E-08	1.17E-07	2.02E-08	1.48E-08	5.35E-07
3878	495363.09	3852877.25	8.17E-04	8.33E-04	8.33E-04	2.83E-07	8.54E-07	4.94E-07	5.04E-07	4.57E-07	2.04E-07	2.08E-07	9.44E-09	2.28E-07	5.03E-08	6.85E-08	1.09E-07	1.88E-08	1.37E-08	4.97E-07
3879	495863.09	3852877.25	7.59E-04	7.74E-04	7.73E-04	2.63E-07	7.93E-07	4.59E-07	4.68E-07	4.25E-07	1.90E-07	1.94E-07	8.77E-09	2.12E-07	4.67E-08	6.36E-08	1.01E-07	1.74E-08	1.28E-08	4.62E-07
3880	496363.09	3852877.25	7.25E-04	7.40E-04	7.39E-04	2.51E-07	7.58E-07	4.39E-07	4.48E-07	4.06E-07	1.81E-07	1.85E-07	8.38E-09	2.02E-07	4.47E-08	6.08E-08	9.64E-08	1.67E-08	1.22E-08	4.42E-07
3881	496863.09	3852877.25	6.81E-04	6.95E-04	6.94E-04	2.36E-07	7.12E-07	4.12E-07	4.20E-07	3.81E-07	1.70E-07	1.74E-07	7.87E-09	1.90E-07	4.20E-08	5.71E-08	9.06E-08	1.56E-08	1.15E-08	4.15E-07
3882	497363.09	3852877.25	5.89E-04	6.01E-04	6.00E-04	2.04E-07	6.16E-07	3.56E-07	3.64E-07	3.30E-07	1.47E-07	1.50E-07	6.81E-09	1.64E-07	3.63E-08	4.94E-08	7.83E-08	1.35E-08	9.91E-09	3.59E-07
3883	497863.09	3852877.25	4.47E-04	4.56E-04	4.55E-04	1.55E-07	4.67E-07	2.70E-07	2.76E-07	2.50E-07	1.12E-07	1.14E-07	5.16E-09	1.25E-07	2.75E-08	3.74E-08	5.94E-08	1.03E-08	7.52E-09	2.72E-07
3884	498363.09	3852877.25	4.13E-04	4.21E-04	4.21E-04	1.43E-07	4.31E-07	2.50E-07	2.55E-07	2.31E-07	1.03E-07	1.05E-07	4.77E-09	1.15E-07	2.54E-08	3.46E-08	5.49E-08	9.48E-09	6.95E-09	2.51E-07
3885	471363.09	3853377.25	4.13E-04	4.22E-04	4.21E-04	1.43E-07	4.32E-07	2.50E-07	2.55E-07	2.31E-07	1.03E-07	1.05E-07	4.78E-09	1.15E-07	2.55E-08	3.47E-08	5.50E-08	9.50E-09	6.96E-09	2.52E-07
3886	471863.09	3853377.25	4.64E-04	4.73E-04	4.73E-04	1.61E-07	4.85E-07	2.81E-07	2.86E-07	2.60E-07	1.16E-07	1.18E-07	5.36E-09	1.30E-07	2.86E-08	3.89E-08	6.17E-08	1.07E-08	7.80E-09	2.82E-07
3887	472363.09	3853377.25	5.14E-04	5.24E-04	5.23E-04	1.78E-07	5.37E-07	3.11E-07	3.17E-07	2.87E-07	1.29E-07	1.31E-07	5.94E-09	1.43E-07	3.16E-08	4.31E-08	6.83E-08	1.18E-08	8.64E-09	3.13E-07
3888	472863.09	3853377.25	5.70E-04	5.81E-04	5.81E-04	1.97E-07	5.95E-07	3.45E-07	3.52E-07	3.19E-07	1.43E-07	1.45E-07	6.58E-09	1.59E-07	3.51E-08	4.77E-08	7.57E-08	1.31E-08	9.58E-09	3.47E-07
3889	473363.09	3853377.25	6.09E-04	6.22E-04	6.21E-04	2.11E-07	6.37E-07	3.69E-07	3.76E-07	3.41E-07	1.52E-07	1.55E-07	7.04E-09	1.70E-07	3.75E-08	5.11E-08	8.10E-08	1.40E-08	1.02E-08	3.71E-07
3890	473863.09	3853377.25	6.56E-04	6.69E-04	6.68E-04	2.27E-07	6.85E-07	3.97E-07	4.05E-07	3.67E-07	1.64E-07	1.67E-07	7.58E-09	1.83E-07	4.04E-08	5.50E-08	8.72E-08	1.51E-08	1.10E-08	3.99E-07
3891	474363.09	3853377.25	6.94E-04	7.08E-04	7.07E-04	2.40E-07	7.25E-07	4.20E-07	4.28E-07	3.88E-07	1.74E-07	1.77E-07	8.02E-09	1.94E-07	4.28E-08	5.82E-08	9.23E-08	1.59E-08	1.17E-08	4.23E-07
3892	474863.09	3853377.25	6.76E-04	6.90E-04	6.89E-04	2.34E-07	7.07E-07	4.09E-07	4.18E-07	3.78E-07	1.69E-07	1.73E-07	7.82E-09	1.89E-07	4.17E-08	5.67E-08	8.99E-08	1.55E-08	1.14E-08	4.12E-07
3893	475363.09	3853377.25	6.80E-04	6.94E-04	6.93E-04	2.35E-07	7.11E-07	4.11E-07	4.20E-07	3.81E-07	1.70E-07	1.73E-07	7.86E-09	1.90E-07	4.19E-08	5.70E-08	9.04E-08	1.56E-08	1.14E-08	4.14E-07
3894	475863.09	3853377.25	6.81E-04	6.95E-04	6.94E-04	2.36E-07	7.11E-07	4.12E-07	4.20E-07	3.81E-07	1.70E-07	1.74E-07	7.87E-09	1.90E-07	4.19E-08	5.71E-08	9.05E-08	1.56E-08	1.15E-08	4.15E-07
3895	476363.09	3853377.25	6.06E-04	6.19E-04	6.18E-04	2.10E-07	6.34E-07	3.67E-07	3.74E-07	3.39E-07	1.52E-07	1.55E-07	7.01E-09	1.69E-07	3.74E-08	5.08E-08	8.06E-08	1.39E-08	1.02E-08	3.69E-07
3896	476863.09	3853377.25	4.66E-04	4.75E-04	4.75E-04	1.61E-07	4.87E-07	2.82E-07	2.88E-07	2.61E-07	1.17E-07	1.19E-07	5.39E-09	1.30E-07	2.87E-08	3.91E-08	6.20E-08	1.07E-08	7.84E-09	2.84E-07
3897	477363.09	3853377.25	4.49E-04	4.58E-04	4.58E-04	1.55E-07	4.69E-07	2.72E-07	2.77E-07	2.51E-07	1.12E-07	1.15E-07	5.19E-09	1.25E-07	2.77E-08	3.76E-08	5.97E-08	1.03E-08	7.56E-09	2.73E-07
3898	477863.09	3853377.25	4.66E-04	4.75E-04	4.75E-04	1.61E-07	4.87E-07	2.82E-07	2.87E-07	2.61E-07	1.17E-07	1.19E-07	5.38E-09	1.30E-07	2.87E-08	3.90E-08	6.19E-08	1.07E-08	7.83E-09	2.84E-07
3899	478363.09	3853377.25	3.66E-04	3.74E-04	3.73E-04	1.27E-07	3.83E-07	2.22E-07	2.26E-07	2.05E-07	9.17E-08	9.34E-08	4.23E-09	1.02E-07	2.26E-08	3.07E-08	4.87E-08	8.41E-09	6.16E-09	2.23E-07
3900	478863.09	3853377.25	2.44E-04	2.49E-04	2.48E-04	8.44E-08	2.55E-07	1.47E-07	1.50E-07	1.36E-07	6.10E-08	6.22E-08	2.82E-09	6.80E-08	1.50E-08	2.04E-08	3.24E-08	5.60E-09	4.10E-09	1.48E-07
3901	479363.09	3853377.25	5.45E-04	5.56E-04	5.55E-04	1.89E-07	5.69E-07	3.30E-07	3.36E-07	3.05E-07	1.36E-07	1.39E-07	6.30E-09	1.52E-07	3.36E-08	4.57E-08	7.25E-08	1.25E-08	9.17E-09	3.32E-07
3902	479863.09	3853377.25	9.86E-04	1.01E-03	1.00E-03	3.41E-07	1.03E-06	5.97E-07	6.09E-07	5.52E-07	2.47E-07	2.51E-07	1.14E-08	2.75E-07	6.07E-08	8.27E-08	1.31E-07	2.26E-08	1.66E-08	6.00E-07
3903	480363.09	3853377.25	1.92E-03	1.96E-03	1.96E-03	6.65E-07	2.01E-06	1.16E-06	1.19E-06	1.07E-06	4.81E-07	4.90E-07	2.22E-08	5.36E-07	1.18E-07	1.61E-07	2.55E-07	4.41E-08	3.23E-08	1.17E-06
3904	480863.09	3853377.25	1.93E-03	1.97E-03	1.97E-03	6.67E-07	2.02E-06	1.17E-06	1.19E-06	1.08E-06	4.83E-07	4.92E-07	2.23E-08	5.38E-07	1.19E-07	1.62E-07	2.56E-07	4.43E-08	3.24E-08	1.17E-06
3905	481363.09	3853377.25	3.19E-03	3.25E-03	3.25E-03	1.10E-06	3.33E-06	1.93E-06	1.97E-06	1.78E-06	7.98E-07	8.13E-07	3.69E-08	8.90E-07	1.96E-07	2.67E-07	4.24E-07	7.32E-08	5.37E-08	1.94E-06
3906	481863.09	3853377.25	4.84E-03	4.94E-03	4.94E-03	1.68E-06	5.06E-06	2.93E-06	2.99E-06	2.71E-06	1.21E-06	1.24E-06	5.60E-08	1.35E-06	2.98E-07	4.06E-07	6.44E-07	1.11E-07	8.15E-08	2.95E-06
3907	482363.09	3853377.25	7.97E-03	8.13E-03	8.12E-03	2.76E-06	8.33E-06	4.82E-06	4.92E-06	4.46E-06	1.99E-06	2.03E-06	9.21E-08	2.22E-06	4.91E-07	6.68E-07	1.06E-06	1.83E-07	1.34E-07	4.85E-06
3908	482863.09	3853377.25	5.63E-02	5.74E-02	5.74E-02	1.95E-05	5.88E-05	3.41E-05	3.47E-05	3.15E-05	1.41E-05	1.44E-05	6.51E-07	1.57E-05	3.47E-06	4.72E-06	7.48E-06	1.29E-06	9.47E-07	3.43E-05
3909	483363.09	3853377.25	1.08E-02	1.10E-02	1.10E-02	3.74E-06	1.13E-05	6.53E-06	6.67E-06	6.04E-06	2.70E-06	2.75E-06	1.25E-07	3.01E-06	6.65E-07	9.05E-07	1.44E-06	2.48E-07	1.82E-07	6.58E-06
3910	483863.09	3853377.25	6.37E-03	6.50E-03	6.49E-03	2.21E-06	6.66E-06	3.85E-06	3.93E-06	3.57E-06	1.59E-06	1.63E-06	7.36E-08	1.78E-06	3.93E-07	5.34E-07	8.47E-07	1.46E-07	1.07E-07	3.88E-06
3911	484363.09	3853377.25	5.10E-03	5.20E-03	5.19E-03	1.76E-06	5.33E-06	3.08E-06	3.15E-06	2.85E-06	1.28E-06	1.30E-06	5.89E-08	1.42E-06	3.14E-07	4.27E-07	6.78E-07	1.17E-07	8.57E-08	3.10E-06
3912	484863.09	3853377.25	3.73E-03	3.80E-03	3.80E-03	1.29E-06	3.90E-06	2.26E-06	2.30E-06	2.09E-06	9.33E-07	9.51E-07	4.31E-08	1.04E-06	2.30E-07	3.12E-07	4.96E-07	8.56E-08	6.27E-08	2.27E-06
3913	485363.09	3853377.25	2.59E-03	2.64E-03	2.63E-03	8.95E-07	2.70E-06	1.56E-06	1.60E-06	1.45E-06	6.47E-07	6.59E-07	2.99E-08	7.22E-07	1.59E-07	2.17E-07	3.44E-07	5.94E-08	4.35E-08	1.57E-06
3914	485863.09	3853377.25	1.92E-03	1.96E-03	1.95E-03	6.63E-07	2.00E-06	1.16E-06	1.18E-06	1.07E-06	4.80E-07	4.89E-07	2.22E-08	5.35E-07	1.18E-07	1.61E-07	2.55E-07	4.40E-08	3.22E-08	1.17E-06
3915	486363.09	3853377.25	1.80E-03	1.84E-03	1.84E-03	6.24E-07	1.88E-06	1.09E-06	1.11E-06	1.01E-06	4.51E-07	4.60E-07	2.08E-08	5.03E-07	1.11E-07	1.51E-07	2.40E-07	4.14E-08	3.03E-08	1.10E-06
3916	486863.09	3853377.25	1.66E-03	1.70E-03	1.70E-03	5.76E-07	1.74E-06	1.01E-06	1.03E-06	9.31E-07	4.16E-07	4.24E-07	1.92E-08	4.65E-07	1.03E-07	1.39E-07	2.21E-07	3.82E-08	2.80E-08	1.01E-06
3917	487363.09	3853377.25	1.61E-03	1.64E-03	1.64E-03	5.56E-07	1.68E-06	9.72E-07	9.92E-07	8.99E-07	4.02E-07	4.10E-07	1.86E-08	4.48E-07	9.89E-08	1.35E-07	2.14E-07	3.69E-08	2.70E-08	9.78E-07
3918	487863.09	3853377.25	1.52E-03	1.55E-03	1.55E-03	5.27E-07	1.59E-06	9.22E-07	9.41E-07	8.53E-07	3.81E-07	3.89E-07	1.76E-08	4.25E-07	9.39E-08	1.28E-07	2.03E-07	3.50E-08	2.56E-08	9.28E-07
3919	488363.09	3853377.25	1.47E-03	1.50E-03	1.50E-03	5.10E-07	1.54E-06	8.92E-07	9.10E-07	8.25E-07	3.69E-07	3.76E-07	1.70E-08	4.11E-07	9.08E-08	1.24E-07	1.96E-07	3.38E-08	2.48E-08	8.97E-07
3920	488863.09	3853377.25	1.38E-03	1.41E-03	1.41E-03	4.79E-07	1.45E-06	8.37E-07	8.54E-07	7.74E-07	3.46E-07	3.53E-07	1.60E-08	3.86E-07	8.52E-08	1.16E-07	1.84E-07	3.18E-08	2.33E-08	8.42E-07
3921	489363.09	3853377.25	1.30E-03	1.32E-03	1.32E-03	4.49E-07	1.35E-06	7.84E-07	8.00E-07	7.25E-07	3.24E-07	3.30E-07	1.50E-08	3.62E-07	7.98E-08	1.09E-07	1.72E-07	2.98E-08	2.18E-08	7.89E-07
3922	489863.09	3853377.25	1.19E-03	1.22E-03	1.22E-03	4.13E-07	1.25E-06	7.22E-07	7.36E-07	6.68E-07	2.99E-07	3.04E-07	1.38E-08	3.33E-07	7.35E-08	1.00E-07	1.59E-07	2.74E-08	2.01E-08	7.26E-07
3923	490363.09	3853377.25	1.17E-03	1.20E-03	1.20E-03	4.06E-07	1.23E-06	7.10E-07	7.25E-07	6.57E-07	2.94E-07	3.00E-07	1.36E-08	3.28E-07	7.23E-08	9.84E-08	1.56E-07	2.70E-08	1.98E-08	7.15E-07
3924	490863.09	3853377.25	1.14E-03	1.17E-03	1.17E-03	3.96E-07	1.20E-06	6.92E-07	7.06E-07	6.40E-07	2.86E-07	2.92E-07	1.32E-08	3.19E-07	7.05E-08	9.59E-08	1.52E-07	2.63E-08	1.92E-08	6.97E-07
3925	491363.09	3853377.25	1.11E-03	1.13E-03	1.13E-03	3.85E-07	1.16E-06	6.73E-07	6.86E-07	6.22E-07	2.78E-07	2.84E-07	1.28E-08	3.10E-07	6.85E-08	9.32E-08	1.48E-07	2.55E-08	1.87E-08	6.77E-07
3926	491863.09	3853377.25	1.08E-03	1.10E-03	1.10E-03	3.72E-07	1.12E-06	6.51E-07	6.64E-07	6.02E-07	2.69E-07	2.74E-07	1.24E-08	3.00E-07	6.62E-08	9.01E-08	1.43E-07	2.47E-08	1.81E-08	6.55E-07

3927	492363.09	3853377.25	1.06E-03	1.08E-03	1.08E-03	3.67E-07	1.11E-06	6.42E-07	6.55E-07	5.94E-07	2.66E-07	2.71E-07	1.23E-08	2.96E-07	6.54E-08	8.89E-08	1.41E-07	2.44E-08	1.79E-08	6.46E-07
3928	492863.09	3853377.25	1.05E-03	1.07E-03	1.07E-03	3.62E-07	1.09E-06	6.32E-07	6.45E-07	5.85E-07	2.62E-07	2.67E-07	1.21E-08	2.92E-07	6.44E-08	8.76E-08	1.39E-07	2.40E-08	1.76E-08	6.37E-07
3929	493363.09	3853377.25	1.01E-03	1.03E-03	1.02E-03	3.48E-07	1.05E-06	6.08E-07	6.21E-07	5.63E-07	2.52E-07	2.56E-07	1.16E-08	2.81E-07	6.19E-08	8.43E-08	1.34E-07	2.31E-08	1.69E-08	6.12E-07
3930	493863.09	3853377.25	9.64E-04	9.83E-04	9.82E-04	3.34E-07	1.01E-06	5.83E-07	5.95E-07	5.39E-07	2.41E-07	2.46E-07	1.11E-08	2.69E-07	5.94E-08	8.08E-08	1.28E-07	2.21E-08	1.62E-08	5.87E-07
3931	494363.09	3853377.25	9.06E-04	9.25E-04	9.24E-04	3.14E-07	9.47E-07	5.48E-07	5.60E-07	5.07E-07	2.27E-07	2.31E-07	1.05E-08	2.53E-07	5.58E-08	7.60E-08	1.21E-07	2.08E-08	1.53E-08	5.52E-07
3932	494863.09	3853377.25	8.46E-04	8.63E-04	8.62E-04	2.93E-07	8.84E-07	5.12E-07	5.22E-07	4.73E-07	2.12E-07	2.16E-07	9.78E-09	2.36E-07	5.21E-08	7.09E-08	1.12E-07	1.94E-08	1.42E-08	5.15E-07
3933	495363.09	3853377.25	8.05E-04	8.21E-04	8.20E-04	2.79E-07	8.41E-07	4.87E-07	4.97E-07	4.50E-07	2.01E-07	2.05E-07	9.30E-09	2.25E-07	4.96E-08	6.75E-08	1.07E-07	1.85E-08	1.35E-08	4.90E-07
3934	495863.09	3853377.25	7.55E-04	7.70E-04	7.69E-04	2.61E-07	7.89E-07	4.57E-07	4.66E-07	4.23E-07	1.89E-07	1.93E-07	8.73E-09	2.11E-07	4.65E-08	6.33E-08	1.00E-07	1.73E-08	1.27E-08	4.60E-07
3935	496363.09	3853377.25	6.96E-04	7.10E-04	7.09E-04	2.41E-07	7.27E-07	4.21E-07	4.30E-07	3.89E-07	1.74E-07	1.77E-07	8.04E-09	1.94E-07	4.29E-08	5.83E-08	9.25E-08	1.60E-08	1.17E-08	4.24E-07
3936	496863.09	3853377.25	6.18E-04	6.31E-04	6.30E-04	2.14E-07	6.46E-07	3.74E-07	3.82E-07	3.46E-07	1.55E-07	1.58E-07	7.14E-09	1.73E-07	3.81E-08	5.18E-08	8.22E-08	1.42E-08	1.04E-08	3.76E-07
3937	497363.09	3853377.25	5.21E-04	5.32E-04	5.31E-04	1.80E-07	5.45E-07	3.15E-07	3.22E-07	2.92E-07	1.30E-07	1.33E-07	6.02E-09	1.45E-07	3.21E-08	4.37E-08	6.93E-08	1.20E-08	8.77E-09	3.17E-07
3938	497863.09	3853377.25	3.47E-04	3.55E-04	3.54E-04	1.20E-07	3.63E-07	2.10E-07	2.14E-07	1.94E-07	8.69E-08	8.86E-08	4.02E-09	9.70E-08	2.14E-08	2.91E-08	4.62E-08	7.98E-09	5.85E-09	2.12E-07
3939	498363.09	3853377.25	2.69E-04	2.75E-04	2.74E-04	9.31E-08	2.81E-07	1.63E-07	1.66E-07	1.51E-07	6.73E-08	6.86E-08	3.11E-09	7.51E-08	1.66E-08	2.26E-08	3.58E-08	6.18E-09	4.53E-09	1.64E-07
3940	471363.09	3853877.25	4.03E-04	4.11E-04	4.10E-04	1.39E-07	4.21E-07	2.44E-07	2.49E-07	2.25E-07	1.01E-07	1.03E-07	4.65E-09	1.12E-07	2.48E-08	3.37E-08	5.35E-08	9.24E-09	6.77E-09	2.45E-07
3941	471863.09	3853877.25	4.51E-04	4.60E-04	4.60E-04	1.56E-07	4.72E-07	2.73E-07	2.79E-07	2.52E-07	1.13E-07	1.15E-07	5.21E-09	1.26E-07	2.78E-08	3.78E-08	6.00E-08	1.04E-08	7.59E-09	2.75E-07
3942	472363.09	3853877.25	4.84E-04	4.94E-04	4.93E-04	1.68E-07	5.06E-07	2.93E-07	2.99E-07	2.71E-07	1.21E-07	1.23E-07	5.60E-09	1.35E-07	2.98E-08	4.06E-08	6.44E-08	1.11E-08	8.15E-09	2.95E-07
3943	472863.09	3853877.25	5.28E-04	5.39E-04	5.38E-04	1.83E-07	5.52E-07	3.19E-07	3.26E-07	2.95E-07	1.32E-07	1.35E-07	6.10E-09	1.47E-07	3.25E-08	4.42E-08	7.02E-08	1.21E-08	8.88E-09	3.21E-07
3944	473363.09	3853877.25	5.52E-04	5.64E-04	5.63E-04	1.91E-07	5.77E-07	3.34E-07	3.41E-07	3.09E-07	1.38E-07	1.41E-07	6.39E-09	1.54E-07	3.40E-08	4.63E-08	7.35E-08	1.27E-08	9.30E-09	3.36E-07
3945	473863.09	3853877.25	5.78E-04	5.90E-04	5.90E-04	2.00E-07	6.05E-07	3.50E-07	3.57E-07	3.24E-07	1.45E-07	1.48E-07	6.69E-09	1.62E-07	3.56E-08	4.85E-08	7.69E-08	1.33E-08	9.73E-09	3.52E-07
3946	474363.09	3853877.25	6.10E-04	6.23E-04	6.22E-04	2.11E-07	6.38E-07	3.69E-07	3.77E-07	3.42E-07	1.53E-07	1.56E-07	7.05E-09	1.70E-07	3.76E-08	5.12E-08	8.12E-08	1.40E-08	1.03E-08	3.72E-07
3947	474863.09	3853877.25	6.29E-04	6.42E-04	6.41E-04	2.18E-07	6.58E-07	3.81E-07	3.88E-07	3.52E-07	1.57E-07	1.60E-07	7.27E-09	1.76E-07	3.88E-08	5.27E-08	8.37E-08	1.44E-08	1.06E-08	3.83E-07
3948	475363.09	3853877.25	5.90E-04	6.02E-04	6.02E-04	2.04E-07	6.17E-07	3.57E-07	3.64E-07	3.30E-07	1.48E-07	1.51E-07	6.82E-09	1.65E-07	3.64E-08	4.95E-08	7.85E-08	1.36E-08	9.93E-09	3.59E-07
3949	475863.09	3853877.25	4.73E-04	4.83E-04	4.82E-04	1.64E-07	4.94E-07	2.86E-07	2.92E-07	2.65E-07	1.18E-07	1.21E-07	5.47E-09	1.32E-07	2.91E-08	3.96E-08	6.29E-08	1.09E-08	7.96E-09	2.88E-07
3950	476363.09	3853877.25	3.58E-04	3.65E-04	3.65E-04	1.24E-07	3.74E-07	2.16E-07	2.21E-07	2.00E-07	8.95E-08	9.12E-08	4.14E-09	9.99E-08	2.20E-08	3.00E-08	4.76E-08	8.22E-09	6.02E-09	2.18E-07
3951	476863.09	3853877.25	2.35E-04	2.40E-04	2.40E-04	8.14E-08	2.46E-07	1.42E-07	1.45E-07	1.32E-07	5.88E-08	6.00E-08	2.72E-09	6.57E-08	1.45E-08	1.97E-08	3.13E-08	5.40E-09	3.96E-09	1.43E-07
3952	477363.09	3853877.25	2.61E-04	2.67E-04	2.66E-04	9.05E-08	2.73E-07	1.58E-07	1.61E-07	1.46E-07	6.54E-08	6.67E-08	3.02E-09	7.30E-08	1.61E-08	2.19E-08	3.48E-08	6.00E-09	4.40E-09	1.59E-07
3953	477863.09	3853877.25	3.22E-04	3.29E-04	3.29E-04	1.12E-07	3.37E-07	1.95E-07	1.99E-07	1.80E-07	8.07E-08	8.22E-08	3.73E-09	9.00E-08	1.99E-08	2.70E-08	4.29E-08	7.40E-09	5.42E-09	1.96E-07
3954	478363.09	3853877.25	3.41E-04	3.48E-04	3.47E-04	1.18E-07	3.56E-07	2.06E-07	2.10E-07	1.91E-07	8.53E-08	8.69E-08	3.94E-09	9.51E-08	2.10E-08	2.86E-08	4.53E-08	7.82E-09	5.73E-09	2.07E-07
3955	478863.09	3853877.25	1.94E-04	1.98E-04	1.97E-04	6.70E-08	2.02E-07	1.17E-07	1.20E-07	1.08E-07	4.85E-08	4.94E-08	2.24E-09	5.41E-08	1.19E-08	1.62E-08	2.57E-08	4.45E-09	3.26E-09	1.18E-07
3956	479363.09	3853877.25	3.15E-04	3.22E-04	3.21E-04	1.09E-07	3.30E-07	1.91E-07	1.95E-07	1.76E-07	7.89E-08	8.04E-08	3.64E-09	8.80E-08	1.94E-08	2.64E-08	4.19E-08	7.24E-09	5.30E-09	1.92E-07
3957	479863.09	3853877.25	7.25E-04	7.40E-04	7.39E-04	2.51E-07	7.58E-07	4.39E-07	4.48E-07	4.06E-07	1.81E-07	1.85E-07	8.38E-09	2.02E-07	4.47E-08	6.08E-08	9.64E-08	1.66E-08	1.22E-08	4.41E-07
3958	480363.09	3853877.25	1.10E-03	1.12E-03	1.12E-03	3.81E-07	1.15E-06	6.66E-07	6.80E-07	6.16E-07	2.75E-07	2.81E-07	1.27E-08	3.07E-07	6.78E-08	9.23E-08	1.46E-07	2.53E-08	1.85E-08	6.70E-07
3959	480863.09	3853877.25	1.81E-03	1.85E-03	1.84E-03	6.26E-07	1.89E-06	1.09E-06	1.12E-06	1.01E-06	4.53E-07	4.61E-07	2.09E-08	5.05E-07	1.11E-07	1.52E-07	2.41E-07	4.15E-08	3.04E-08	1.10E-06
3960	481363.09	3853877.25	2.34E-03	2.39E-03	2.39E-03	8.12E-07	2.45E-06	1.42E-06	1.45E-06	1.31E-06	5.87E-07	5.98E-07	2.71E-08	6.55E-07	1.44E-07	1.97E-07	3.12E-07	5.38E-08	3.94E-08	1.43E-06
3961	481863.09	3853877.25	2.95E-03	3.01E-03	3.01E-03	1.02E-06	3.09E-06	1.79E-06	1.82E-06	1.65E-06	7.39E-07	7.54E-07	3.41E-08	8.25E-07	1.82E-07	2.48E-07	3.93E-07	6.79E-08	4.97E-08	1.80E-06
3962	482363.09	3853877.25	3.42E-03	3.49E-03	3.48E-03	1.18E-06	3.57E-06	2.07E-06	2.11E-06	1.91E-06	8.56E-07	8.72E-07	3.95E-08	9.54E-07	2.11E-07	2.87E-07	4.55E-07	7.85E-08	5.75E-08	2.08E-06
3963	482863.09	3853877.25	3.59E-03	3.66E-03	3.66E-03	1.24E-06	3.75E-06	2.17E-06	2.22E-06	2.01E-06	8.98E-07	9.15E-07	4.15E-08	1.00E-06	2.21E-07	3.01E-07	4.77E-07	8.24E-08	6.04E-08	2.19E-06
3964	483363.09	3853877.25	3.46E-03	3.53E-03	3.53E-03	1.20E-06	3.62E-06	2.10E-06	2.14E-06	1.94E-06	8.67E-07	8.83E-07	4.00E-08	9.67E-07	2.13E-07	2.90E-07	4.60E-07	7.95E-08	5.83E-08	2.11E-06
3965	483863.09	3853877.25	3.28E-03	3.35E-03	3.35E-03	1.14E-06	3.43E-06	1.99E-06	2.03E-06	1.84E-06	8.22E-07	8.38E-07	3.80E-08	9.17E-07	2.02E-07	2.75E-07	4.37E-07	7.54E-08	5.53E-08	2.00E-06
3966	484363.09	3853877.25	2.77E-03	2.83E-03	2.83E-03	9.60E-07	2.90E-06	1.68E-06	1.71E-06	1.55E-06	6.94E-07	7.07E-07	3.20E-08	7.74E-07	1.71E-07	2.32E-07	3.69E-07	6.37E-08	4.66E-08	1.69E-06
3967	484863.09	3853877.25	2.26E-03	2.30E-03	2.30E-03	7.82E-07	2.36E-06	1.37E-06	1.39E-06	1.26E-06	5.65E-07	5.76E-07	2.61E-08	6.30E-07	1.39E-07	1.89E-07	3.00E-07	5.19E-08	3.80E-08	1.38E-06
3968	485363.09	3853877.25	1.69E-03	1.73E-03	1.73E-03	5.87E-07	1.77E-06	1.03E-06	1.05E-06	9.49E-07	4.24E-07	4.32E-07	1.96E-08	4.73E-07	1.04E-07	1.42E-07	2.25E-07	3.89E-08	2.85E-08	1.03E-06
3969	485863.09	3853877.25	1.72E-03	1.76E-03	1.75E-03	5.96E-07	1.80E-06	1.04E-06	1.06E-06	9.64E-07	4.31E-07	4.39E-07	1.99E-08	4.81E-07	1.06E-07	1.44E-07	2.29E-07	3.95E-08	2.90E-08	1.05E-06
3970	486363.09	3853877.25	1.56E-03	1.59E-03	1.59E-03	5.40E-07	1.63E-06	9.45E-07	9.64E-07	8.74E-07	3.91E-07	3.98E-07	1.80E-08	4.36E-07	9.62E-08	1.31E-07	2.08E-07	3.59E-08	2.63E-08	9.51E-07
3971	486863.09	3853877.25	1.42E-03	1.45E-03	1.45E-03	4.92E-07	1.49E-06	8.60E-07	8.78E-07	7.96E-07	3.56E-07	3.63E-07	1.64E-08	3.97E-07	8.76E-08	1.19E-07	1.89E-07	3.26E-08	2.39E-08	8.66E-07
3972	487363.09	3853877.25	1.40E-03	1.43E-03	1.43E-03	4.84E-07	1.46E-06	8.46E-07	8.63E-07	7.83E-07	3.50E-07	3.57E-07	1.62E-08	3.90E-07	8.62E-08	1.17E-07	1.86E-07	3.21E-08	2.35E-08	8.52E-07
3973	487863.09	3853877.25	1.44E-03	1.47E-03	1.46E-03	4.98E-07	1.50E-06	8.70E-07	8.87E-07	8.04E-07	3.60E-07	3.67E-07	1.66E-08	4.01E-07	8.86E-08	1.20E-07	1.91E-07	3.30E-08	2.42E-08	8.75E-07
3974	488363.09	3853877.25	1.40E-03	1.43E-03	1.43E-03	4.85E-07	1.46E-06	8.47E-07	8.64E-07	7.84E-07	3.50E-07	3.57E-07	1.62E-08	3.91E-07	8.63E-08	1.17E-07	1.86E-07	3.22E-08	2.36E-08	8.53E-07
3975	488863.09	3853877.25	1.39E-03	1.42E-03	1.41E-03	4.80E-07	1.45E-06	8.39E-07	8.57E-07	7.76E-07	3.47E-07	3.54E-07	1.60E-08	3.87E-07	8.55E-08	1.16E-07	1.84E-07	3.19E-08	2.33E-08	8.45E-07
3976	489363.09	3853877.25	1.28E-03	1.31E-03	1.30E-03	4.43E-07	1.34E-06	7.74E-07	7.90E-07	7.16E-07	3.20E-07	3.27E-07	1.48E-08	3.57E-07	7.89E-08	1.07E-07	1.70E-07	2.94E-08	2.15E-08	7.80E-07
3977	489863.09	3853877.25	1.24E-03	1.26E-03	1.26E-03	4.28E-07	1.29E-06	7.48E-07	7.63E-07	6.92E-07	3.09E-07	3.15E-07	1.43E-08	3.45E-07	7.62E-08	1.04E-07	1.64E-07	2.84E-08	2.08E-08	7.53E-07
3978	490363.09	3853877.25	1.17E-03	1.19E-03	1.19E-03	4.05E-07	1.22E-06	7.08E-07	7.23E-07	6.55E-07	2.93E-07	2.99E-07	1.35E-08	3.27E-07	7.21E-08	9.81E-08	1.56E-07	2.69E-08	1.97E-08	7.13E-07
3979	490863.09	3853877.25	1.13E-03	1.15E-03	1.15E-03	3.90E-07	1.18E-06	6.82E-07	6.96E-07	6.30E-07	2.82E-07	2.87E-07	1.30E-08	3.15E-07	6.94E-08	9.44E-08	1.50E-07	2.59E-08	1.90E-08	6.86E-07
3980	491363.09	3853877.25	1.09E-03	1.11E-03	1.11E-03	3.77E-07	1.14E-06	6.59E-07	6.72E-07	6.09E-07	2.72E-07	2.78E-07	1.26E-08	3.04E-07	6.71E-08	9.13E-08	1.45E-07	2.50E-08	1.83E-08	6.63E-07
3981	491863.09	3853877.25	1.05E-03	1.07E-03	1.07E-03	3.65E-07	1.10E-06	6.37E-07	6.50E-07	5.89E-07	2.64E-07	2.69E-07	1.22E-08	2.94E-07	6.49E-08	8.83E-08	1.40E-07	2.42E-08	1.77E-08	6.41E-07
3982	492363.09	3853877.25	1.04E-03	1.06E-03	1.06E-03	3.60E-07	1.09E-06	6.29E-07	6.42E-07	5.82E-07	2.60E-07	2.65E-07	1.20E-08	2.90E-07	6.41E-08	8.72E-08	1.38E-07	2.39E-08	1.75E-08	6.33E-07
3983	492863.09	3853877.25	1.01E-03	1.03E-03	1.03E-03	3.51E-07	1.06E-06	6.14E-07	6.26E-07	5.67E-07	2.54E-07	2.59E-07	1.17E-08	2.83E-07	6.25E-08	8.50E-08	1.35E-07	2.33E-08	1.71E-08	6.17E-07

3984	493363.09	3853877.25	9.72E-04	9.92E-04	9.91E-04	3.37E-07	1.02E-06	5.88E-07	6.00E-07	5.44E-07	2.43E-07	2.48E-07	1.12E-08	2.71E-07	5.99E-08	8.15E-08	1.29E-07	2.23E-08	1.64E-08	5.92E-07
3985	493863.09	3853877.25	9.25E-04	9.44E-04	9.42E-04	3.20E-07	9.66E-07	5.59E-07	5.71E-07	5.18E-07	2.31E-07	2.36E-07	1.07E-08	2.58E-07	5.70E-08	7.75E-08	1.23E-07	2.12E-08	1.56E-08	5.63E-07
3986	494363.09	3853877.25	8.85E-04	9.03E-04	9.02E-04	3.06E-07	9.25E-07	5.35E-07	5.46E-07	4.95E-07	2.21E-07	2.26E-07	1.02E-08	2.47E-07	5.45E-08	7.42E-08	1.18E-07	2.03E-08	1.49E-08	5.39E-07
3987	494863.09	3853877.25	8.36E-04	8.53E-04	8.52E-04	2.89E-07	8.74E-07	5.06E-07	5.16E-07	4.68E-07	2.09E-07	2.13E-07	9.66E-09	2.33E-07	5.15E-08	7.01E-08	1.11E-07	1.92E-08	1.41E-08	5.09E-07
3988	495363.09	3853877.25	7.49E-04	7.65E-04	7.64E-04	2.59E-07	7.83E-07	4.53E-07	4.63E-07	4.19E-07	1.88E-07	1.91E-07	8.66E-09	2.09E-07	4.62E-08	6.28E-08	9.96E-08	1.72E-08	1.26E-08	4.56E-07
3989	495863.09	3853877.25	6.76E-04	6.90E-04	6.89E-04	2.34E-07	7.07E-07	4.09E-07	4.17E-07	3.78E-07	1.69E-07	1.72E-07	7.81E-09	1.89E-07	4.16E-08	5.67E-08	8.99E-08	1.55E-08	1.14E-08	4.12E-07
3990	496363.09	3853877.25	6.26E-04	6.38E-04	6.38E-04	2.17E-07	6.54E-07	3.79E-07	3.86E-07	3.50E-07	1.57E-07	1.60E-07	7.23E-09	1.75E-07	3.85E-08	5.24E-08	8.32E-08	1.44E-08	1.05E-08	3.81E-07
3991	496863.09	3853877.25	5.40E-04	5.51E-04	5.51E-04	1.87E-07	5.65E-07	3.27E-07	3.34E-07	3.02E-07	1.35E-07	1.38E-07	6.25E-09	1.51E-07	3.33E-08	4.53E-08	7.19E-08	1.24E-08	9.09E-09	3.29E-07
3992	497363.09	3853877.25	4.67E-04	4.77E-04	4.76E-04	1.62E-07	4.88E-07	2.83E-07	2.89E-07	2.62E-07	1.17E-07	1.19E-07	5.40E-09	1.30E-07	2.88E-08	3.92E-08	6.21E-08	1.07E-08	7.86E-09	2.85E-07
3993	497863.09	3853877.25	3.70E-04	3.77E-04	3.77E-04	1.28E-07	3.86E-07	2.24E-07	2.28E-07	2.07E-07	9.25E-08	9.43E-08	4.27E-09	1.03E-07	2.28E-08	3.10E-08	4.91E-08	8.49E-09	6.22E-09	2.25E-07
3994	498363.09	3853877.25	3.14E-04	3.21E-04	3.20E-04	1.09E-07	3.29E-07	1.90E-07	1.94E-07	1.76E-07	7.87E-08	8.02E-08	3.63E-09	8.78E-08	1.94E-08	2.64E-08	4.18E-08	7.22E-09	5.29E-09	1.91E-07
3995	471363.09	3854377.25	3.90E-04	3.98E-04	3.98E-04	1.35E-07	4.08E-07	2.36E-07	2.41E-07	2.18E-07	9.76E-08	9.95E-08	4.51E-09	1.09E-07	2.40E-08	3.27E-08	5.19E-08	8.96E-09	6.56E-09	2.38E-07
3996	471863.09	3854377.25	4.31E-04	4.40E-04	4.39E-04	1.49E-07	4.51E-07	2.61E-07	2.66E-07	2.41E-07	1.08E-07	1.10E-07	4.98E-09	1.20E-07	2.66E-08	3.61E-08	5.73E-08	9.90E-09	7.25E-09	2.63E-07
3997	472363.09	3854377.25	4.65E-04	4.74E-04	4.74E-04	1.61E-07	4.86E-07	2.81E-07	2.87E-07	2.60E-07	1.16E-07	1.19E-07	5.37E-09	1.30E-07	2.86E-08	3.90E-08	6.18E-08	1.07E-08	7.82E-09	2.83E-07
3998	472863.09	3854377.25	4.89E-04	4.99E-04	4.98E-04	1.69E-07	5.11E-07	2.96E-07	3.02E-07	2.73E-07	1.22E-07	1.25E-07	5.65E-09	1.36E-07	3.01E-08	4.10E-08	6.50E-08	1.12E-08	8.22E-09	2.98E-07
3999	473363.09	3854377.25	5.20E-04	5.31E-04	5.30E-04	1.80E-07	5.44E-07	3.15E-07	3.21E-07	2.91E-07	1.30E-07	1.33E-07	6.02E-09	1.45E-07	3.21E-08	4.36E-08	6.92E-08	1.20E-08	8.76E-09	3.17E-07
4000	473863.09	3854377.25	5.59E-04	5.70E-04	5.70E-04	1.93E-07	5.84E-07	3.38E-07	3.45E-07	3.13E-07	1.40E-07	1.43E-07	6.46E-09	1.56E-07	3.44E-08	4.69E-08	7.43E-08	1.28E-08	9.41E-09	3.40E-07
4001	474363.09	3854377.25	5.91E-04	6.03E-04	6.03E-04	2.05E-07	6.18E-07	3.58E-07	3.65E-07	3.31E-07	1.48E-07	1.51E-07	6.84E-09	1.65E-07	3.64E-08	4.96E-08	7.86E-08	1.36E-08	9.95E-09	3.60E-07
4002	474863.09	3854377.25	5.55E-04	5.67E-04	5.66E-04	1.92E-07	5.81E-07	3.36E-07	3.43E-07	3.11E-07	1.39E-07	1.42E-07	6.42E-09	1.55E-07	3.42E-08	4.66E-08	7.39E-08	1.28E-08	9.35E-09	3.38E-07
4003	475363.09	3854377.25	4.56E-04	4.66E-04	4.65E-04	1.58E-07	4.77E-07	2.76E-07	2.82E-07	2.55E-07	1.14E-07	1.16E-07	5.28E-09	1.27E-07	2.81E-08	3.83E-08	6.07E-08	1.05E-08	7.68E-09	2.78E-07
4004	475863.09	3854377.25	2.68E-04	2.73E-04	2.73E-04	9.26E-08	2.80E-07	1.62E-07	1.65E-07	1.50E-07	6.70E-08	6.82E-08	3.09E-09	7.47E-08	1.65E-08	2.24E-08	3.56E-08	6.15E-09	4.50E-09	1.63E-07
4005	476363.09	3854377.25	2.17E-04	2.22E-04	2.22E-04	7.53E-08	2.27E-07	1.32E-07	1.34E-07	1.22E-07	5.44E-08	5.55E-08	2.51E-09	6.07E-08	1.34E-08	1.82E-08	2.89E-08	4.99E-09	3.66E-09	1.32E-07
4006	476863.09	3854377.25	1.93E-04	1.97E-04	1.97E-04	6.69E-08	2.02E-07	1.17E-07	1.19E-07	1.08E-07	4.84E-08	4.93E-08	2.23E-09	5.40E-08	1.19E-08	1.62E-08	2.57E-08	4.44E-09	3.25E-09	1.18E-07
4007	477363.09	3854377.25	1.79E-04	1.83E-04	1.83E-04	6.21E-08	1.88E-07	1.09E-07	1.11E-07	1.00E-07	4.49E-08	4.58E-08	2.07E-09	5.01E-08	1.11E-08	1.50E-08	2.39E-08	4.12E-09	3.02E-09	1.09E-07
4008	477863.09	3854377.25	1.75E-04	1.79E-04	1.79E-04	6.07E-08	1.83E-07	1.06E-07	1.08E-07	9.81E-08	4.39E-08	4.47E-08	2.03E-09	4.90E-08	1.08E-08	1.47E-08	2.33E-08	4.03E-09	2.95E-09	1.07E-07
4009	478363.09	3854377.25	2.18E-04	2.22E-04	2.22E-04	7.54E-08	2.28E-07	1.32E-07	1.34E-07	1.22E-07	5.45E-08	5.55E-08	2.52E-09	6.08E-08	1.34E-08	1.83E-08	2.90E-08	5.00E-09	3.66E-09	1.33E-07
4010	478863.09	3854377.25	2.38E-04	2.43E-04	2.43E-04	8.25E-08	2.49E-07	1.44E-07	1.47E-07	1.33E-07	5.97E-08	6.08E-08	2.76E-09	6.66E-08	1.47E-08	2.00E-08	3.17E-08	5.48E-09	4.01E-09	1.45E-07
4011	479363.09	3854377.25	4.42E-04	4.51E-04	4.50E-04	1.53E-07	4.62E-07	2.67E-07	2.73E-07	2.47E-07	1.11E-07	1.13E-07	5.11E-09	1.23E-07	2.72E-08	3.71E-08	5.88E-08	1.02E-08	7.44E-09	2.69E-07
4012	479863.09	3854377.25	5.88E-04	6.00E-04	5.99E-04	2.04E-07	6.15E-07	3.56E-07	3.63E-07	3.29E-07	1.47E-07	1.50E-07	6.80E-09	1.64E-07	3.62E-08	4.93E-08	7.82E-08	1.35E-08	9.90E-09	3.58E-07
4013	480363.09	3854377.25	8.19E-04	8.36E-04	8.35E-04	2.83E-07	8.56E-07	4.95E-07	5.06E-07	4.58E-07	2.05E-07	2.09E-07	9.47E-09	2.29E-07	5.05E-08	6.86E-08	1.09E-07	1.88E-08	1.38E-08	4.99E-07
4014	480863.09	3854377.25	1.21E-03	1.24E-03	1.24E-03	4.20E-07	1.27E-06	7.33E-07	7.48E-07	6.78E-07	3.03E-07	3.09E-07	1.40E-08	3.38E-07	7.47E-08	1.02E-07	1.61E-07	2.78E-08	2.04E-08	7.38E-07
4015	481363.09	3854377.25	1.61E-03	1.64E-03	1.64E-03	5.56E-07	1.68E-06	9.72E-07	9.91E-07	8.99E-07	4.02E-07	4.10E-07	1.86E-08	4.48E-07	9.89E-08	1.35E-07	2.14E-07	3.69E-08	2.70E-08	9.78E-07
4016	481863.09	3854377.25	2.00E-03	2.04E-03	2.04E-03	6.93E-07	2.09E-06	1.21E-06	1.24E-06	1.12E-06	5.01E-07	5.11E-07	2.31E-08	5.59E-07	1.23E-07	1.68E-07	2.66E-07	4.60E-08	3.37E-08	1.22E-06
4017	482363.09	3854377.25	2.07E-03	2.11E-03	2.11E-03	7.15E-07	2.16E-06	1.25E-06	1.28E-06	1.16E-06	5.17E-07	5.27E-07	2.39E-08	5.77E-07	1.27E-07	1.73E-07	2.75E-07	4.75E-08	3.48E-08	1.26E-06
4018	482863.09	3854377.25	2.06E-03	2.10E-03	2.10E-03	7.12E-07	2.15E-06	1.25E-06	1.27E-06	1.15E-06	5.15E-07	5.25E-07	2.38E-08	5.75E-07	1.27E-07	1.73E-07	2.74E-07	4.73E-08	3.46E-08	1.25E-06
4019	483363.09	3854377.25	2.02E-03	2.06E-03	2.06E-03	6.98E-07	2.11E-06	1.22E-06	1.24E-06	1.13E-06	5.05E-07	5.14E-07	2.33E-08	5.63E-07	1.24E-07	1.69E-07	2.68E-07	4.63E-08	3.39E-08	1.23E-06
4020	483863.09	3854377.25	1.83E-03	1.87E-03	1.86E-03	6.33E-07	1.91E-06	1.11E-06	1.13E-06	1.02E-06	4.58E-07	4.66E-07	2.11E-08	5.11E-07	1.13E-07	1.53E-07	2.43E-07	4.20E-08	3.08E-08	1.11E-06
4021	484363.09	3854377.25	1.55E-03	1.58E-03	1.58E-03	5.36E-07	1.62E-06	9.37E-07	9.56E-07	8.67E-07	3.88E-07	3.95E-07	1.79E-08	4.32E-07	9.54E-08	1.30E-07	2.06E-07	3.56E-08	2.61E-08	9.43E-07
4022	484863.09	3854377.25	1.28E-03	1.31E-03	1.31E-03	4.45E-07	1.34E-06	7.77E-07	7.93E-07	7.19E-07	3.21E-07	3.28E-07	1.48E-08	3.59E-07	7.91E-08	1.08E-07	1.71E-07	2.95E-08	2.16E-08	7.82E-07
4023	485363.09	3854377.25	1.47E-03	1.50E-03	1.50E-03	5.09E-07	1.54E-06	8.90E-07	9.08E-07	8.23E-07	3.68E-07	3.75E-07	1.70E-08	4.11E-07	9.06E-08	1.23E-07	1.96E-07	3.38E-08	2.48E-08	8.96E-07
4024	485863.09	3854377.25	1.31E-03	1.34E-03	1.34E-03	4.54E-07	1.37E-06	7.93E-07	8.09E-07	7.34E-07	3.28E-07	3.34E-07	1.52E-08	3.66E-07	8.08E-08	1.10E-07	1.74E-07	3.01E-08	2.21E-08	7.98E-07
4025	486363.09	3854377.25	1.37E-03	1.40E-03	1.40E-03	4.74E-07	1.43E-06	8.29E-07	8.45E-07	7.66E-07	3.43E-07	3.49E-07	1.58E-08	3.82E-07	8.44E-08	1.15E-07	1.82E-07	3.15E-08	2.30E-08	8.34E-07
4026	486863.09	3854377.25	1.29E-03	1.31E-03	1.31E-03	4.46E-07	1.35E-06	7.79E-07	7.95E-07	7.21E-07	3.22E-07	3.28E-07	1.49E-08	3.59E-07	7.93E-08	1.08E-07	1.71E-07	2.96E-08	2.17E-08	7.84E-07
4027	487363.09	3854377.25	1.27E-03	1.30E-03	1.29E-03	4.40E-07	1.33E-06	7.69E-07	7.84E-07	7.11E-07	3.18E-07	3.24E-07	1.47E-08	3.55E-07	7.83E-08	1.06E-07	1.69E-07	2.92E-08	2.14E-08	7.74E-07
4028	487863.09	3854377.25	1.30E-03	1.32E-03	1.32E-03	4.49E-07	1.35E-06	7.84E-07	8.00E-07	7.25E-07	3.24E-07	3.31E-07	1.50E-08	3.62E-07	7.99E-08	1.09E-07	1.72E-07	2.98E-08	2.18E-08	7.89E-07
4029	488363.09	3854377.25	1.29E-03	1.32E-03	1.32E-03	4.48E-07	1.35E-06	7.82E-07	7.98E-07	7.24E-07	3.24E-07	3.30E-07	1.49E-08	3.61E-07	7.97E-08	1.08E-07	1.72E-07	2.97E-08	2.18E-08	7.87E-07
4030	488863.09	3854377.25	1.27E-03	1.29E-03	1.29E-03	4.39E-07	1.33E-06	7.67E-07	7.83E-07	7.10E-07	3.17E-07	3.24E-07	1.47E-08	3.54E-07	7.81E-08	1.06E-07	1.69E-07	2.91E-08	2.13E-08	7.72E-07
4031	489363.09	3854377.25	1.23E-03	1.26E-03	1.25E-03	4.26E-07	1.29E-06	7.45E-07	7.60E-07	6.89E-07	3.08E-07	3.14E-07	1.42E-08	3.44E-07	7.58E-08	1.03E-07	1.64E-07	2.83E-08	2.07E-08	7.49E-07
4032	489863.09	3854377.25	1.18E-03	1.21E-03	1.21E-03	4.09E-07	1.24E-06	7.16E-07	7.30E-07	6.62E-07	2.96E-07	3.02E-07	1.37E-08	3.30E-07	7.29E-08	9.92E-08	1.57E-07	2.72E-08	1.99E-08	7.20E-07
4033	490363.09	3854377.25	1.13E-03	1.15E-03	1.15E-03	3.91E-07	1.18E-06	6.83E-07	6.97E-07	6.32E-07	2.83E-07	2.88E-07	1.31E-08	3.15E-07	6.96E-08	9.47E-08	1.50E-07	2.59E-08	1.90E-08	6.88E-07
4034	490863.09	3854377.25	9.87E-04	1.01E-03	1.01E-03	3.42E-07	1.03E-06	5.97E-07	6.09E-07	5.52E-07	2.47E-07	2.52E-07	1.14E-08	2.76E-07	6.08E-08	8.27E-08	1.31E-07	2.27E-08	1.66E-08	6.01E-07
4035	491363.09	3854377.25	1.01E-03	1.03E-03	1.03E-03	3.50E-07	1.06E-06	6.12E-07	6.25E-07	5.66E-07	2.53E-07	2.58E-07	1.17E-08	2.83E-07	6.23E-08	8.48E-08	1.35E-07	2.32E-08	1.70E-08	6.16E-07
4036	491863.09	3854377.25	1.01E-03	1.04E-03	1.03E-03	3.51E-07	1.06E-06	6.14E-07	6.27E-07	5.68E-07	2.54E-07	2.59E-07	1.17E-08	2.83E-07	6.25E-08	8.51E-08	1.35E-07	2.33E-08	1.71E-08	6.18E-07
4037	492363.09	3854377.25	9.94E-04	1.01E-03	1.01E-03	3.44E-07	1.04E-06	6.02E-07	6.14E-07	5.56E-07	2.49E-07	2.54E-07	1.15E-08	2.78E-07	6.13E-08	8.33E-08	1.32E-07	2.28E-08	1.67E-08	6.05E-07
4038	492863.09	3854377.25	9.59E-04	9.79E-04	9.78E-04	3.32E-07	1.00E-06	5.80E-07	5.92E-07	5.37E-07	2.40E-07	2.45E-07	1.11E-08	2.68E-07	5.91E-08	8.04E-08	1.28E-07	2.20E-08	1.61E-08	5.84E-07
4039	493363.09	3854377.25	9.17E-04	9.35E-04	9.34E-04	3.17E-07	9.58E-07	5.55E-07	5.66E-07	5.13E-07	2.29E-07	2.34E-07	1.06E-08	2.56E-07	5.65E-08	7.68E-08	1.22E-07	2.11E-08	1.54E-08	5.58E-07
4040	493863.09	3854377.25	8.73E-04	8.91E-04	8.90E-04	3.02E-07	9.13E-07	5.28E-07	5.39E-07	4.89E-07	2.19E-07	2.23E-07	1.01E-08	2.44E-07	5.38E-08	7.32E-08	1.16E-07	2.01E-08	1.47E-08	5.32E-07

4041	494363.09	3854377.25	8.33E-04	8.50E-04	8.49E-04	2.88E-07	8.71E-07	5.04E-07	5.14E-07	4.66E-07	2.08E-07	2.12E-07	9.63E-09	2.33E-07	5.13E-08	6.98E-08	1.11E-07	1.91E-08	1.40E-08	5.07E-07
4042	494863.09	3854377.25	7.28E-04	7.42E-04	7.42E-04	2.52E-07	7.60E-07	4.40E-07	4.49E-07	4.07E-07	1.82E-07	1.86E-07	8.41E-09	2.03E-07	4.48E-08	6.10E-08	9.67E-08	1.67E-08	1.22E-08	4.43E-07
4043	495363.09	3854377.25	6.10E-04	6.22E-04	6.21E-04	2.11E-07	6.37E-07	3.69E-07	3.76E-07	3.41E-07	1.53E-07	1.56E-07	7.05E-09	1.70E-07	3.76E-08	5.11E-08	8.11E-08	1.40E-08	1.03E-08	3.71E-07
4044	495863.09	3854377.25	5.27E-04	5.38E-04	5.38E-04	1.83E-07	5.51E-07	3.19E-07	3.26E-07	2.95E-07	1.32E-07	1.35E-07	6.10E-09	1.47E-07	3.25E-08	4.42E-08	7.01E-08	1.21E-08	8.87E-09	3.21E-07
4045	496363.09	3854377.25	4.88E-04	4.98E-04	4.98E-04	1.69E-07	5.10E-07	2.95E-07	3.01E-07	2.73E-07	1.22E-07	1.25E-07	5.64E-09	1.36E-07	3.01E-08	4.09E-08	6.49E-08	1.12E-08	8.22E-09	2.97E-07
4046	496863.09	3854377.25	4.35E-04	4.44E-04	4.43E-04	1.51E-07	4.55E-07	2.63E-07	2.69E-07	2.43E-07	1.09E-07	1.11E-07	5.03E-09	1.21E-07	2.68E-08	3.65E-08	5.78E-08	9.99E-09	7.32E-09	2.65E-07
4047	497363.09	3854377.25	3.48E-04	3.55E-04	3.55E-04	1.21E-07	3.64E-07	2.11E-07	2.15E-07	1.95E-07	8.72E-08	8.88E-08	4.03E-09	9.72E-08	2.15E-08	2.92E-08	4.63E-08	8.00E-09	5.86E-09	2.12E-07
4048	497863.09	3854377.25	3.64E-04	3.72E-04	3.71E-04	1.26E-07	3.81E-07	2.20E-07	2.25E-07	2.04E-07	9.12E-08	9.29E-08	4.21E-09	1.02E-07	2.24E-08	3.05E-08	4.84E-08	8.37E-09	6.13E-09	2.22E-07
4049	498363.09	3854377.25	3.19E-04	3.26E-04	3.25E-04	1.10E-07	3.34E-07	1.93E-07	1.97E-07	1.79E-07	7.99E-08	8.14E-08	3.69E-09	8.91E-08	1.97E-08	2.68E-08	4.24E-08	7.33E-09	5.37E-09	1.94E-07
4050	471363.09	3854877.25	3.84E-04	3.92E-04	3.91E-04	1.33E-07	4.01E-07	2.32E-07	2.37E-07	2.15E-07	9.61E-08	9.79E-08	4.44E-09	1.07E-07	2.37E-08	3.22E-08	5.11E-08	8.82E-09	6.46E-09	2.34E-07
4051	471863.09	3854877.25	4.13E-04	4.21E-04	4.20E-04	1.43E-07	4.31E-07	2.50E-07	2.55E-07	2.31E-07	1.03E-07	1.05E-07	4.77E-09	1.15E-07	2.54E-08	3.46E-08	5.49E-08	9.47E-09	6.94E-09	2.51E-07
4052	472363.09	3854877.25	4.39E-04	4.48E-04	4.48E-04	1.52E-07	4.59E-07	2.66E-07	2.71E-07	2.46E-07	1.10E-07	1.12E-07	5.08E-09	1.23E-07	2.71E-08	3.68E-08	5.84E-08	1.01E-08	7.39E-09	2.68E-07
4053	472863.09	3854877.25	4.48E-04	4.57E-04	4.56E-04	1.55E-07	4.68E-07	2.71E-07	2.77E-07	2.51E-07	1.12E-07	1.14E-07	5.18E-09	1.25E-07	2.76E-08	3.75E-08	5.96E-08	1.03E-08	7.54E-09	2.73E-07
4054	473363.09	3854877.25	4.85E-04	4.95E-04	4.95E-04	1.68E-07	5.07E-07	2.94E-07	3.00E-07	2.72E-07	1.21E-07	1.24E-07	5.61E-09	1.36E-07	2.99E-08	4.07E-08	6.45E-08	1.11E-08	8.17E-09	2.96E-07
4055	473863.09	3854877.25	5.20E-04	5.30E-04	5.30E-04	1.80E-07	5.43E-07	3.15E-07	3.21E-07	2.91E-07	1.30E-07	1.33E-07	6.01E-09	1.45E-07	3.20E-08	4.36E-08	6.91E-08	1.19E-08	8.75E-09	3.17E-07
4056	474363.09	3854877.25	5.63E-04	5.75E-04	5.74E-04	1.95E-07	5.89E-07	3.41E-07	3.48E-07	3.15E-07	1.41E-07	1.44E-07	6.51E-09	1.57E-07	3.47E-08	4.72E-08	7.49E-08	1.29E-08	9.47E-09	3.43E-07
4057	474863.09	3854877.25	4.64E-04	4.73E-04	4.73E-04	1.61E-07	4.85E-07	2.81E-07	2.86E-07	2.60E-07	1.16E-07	1.18E-07	5.36E-09	1.30E-07	2.86E-08	3.89E-08	6.17E-08	1.07E-08	7.80E-09	2.82E-07
4058	475363.09	3854877.25	3.34E-04	3.41E-04	3.40E-04	1.16E-07	3.49E-07	2.02E-07	2.06E-07	1.87E-07	8.36E-08	8.52E-08	3.86E-09	9.32E-08	2.06E-08	2.80E-08	4.44E-08	7.67E-09	5.62E-09	2.03E-07
4059	475863.09	3854877.25	2.16E-04	2.20E-04	2.20E-04	7.48E-08	2.26E-07	1.31E-07	1.33E-07	1.21E-07	5.41E-08	5.51E-08	2.50E-09	6.03E-08	1.33E-08	1.81E-08	2.87E-08	4.96E-09	3.63E-09	1.32E-07
4060	476363.09	3854877.25	1.00E-04	1.02E-04	1.02E-04	3.47E-08	1.05E-07	6.06E-08	6.19E-08	5.61E-08	2.51E-08	2.56E-08	1.16E-09	2.80E-08	6.17E-09	8.40E-09	1.33E-08	2.30E-09	1.69E-09	6.10E-08
4061	476863.09	3854877.25	9.16E-05	9.35E-05	9.34E-05	3.17E-08	9.58E-08	5.54E-08	5.66E-08	5.13E-08	2.29E-08	2.34E-08	1.06E-09	2.56E-08	5.65E-09	7.68E-09	1.22E-08	2.10E-09	1.54E-09	5.58E-08
4062	477363.09	3854877.25	1.20E-04	1.23E-04	1.23E-04	4.16E-08	1.26E-07	7.27E-08	7.42E-08	6.73E-08	3.01E-08	3.07E-08	1.39E-09	3.36E-08	7.41E-09	1.01E-08	1.60E-08	2.76E-09	2.02E-09	7.32E-08
4063	477863.09	3854877.25	1.48E-04	1.51E-04	1.50E-04	5.11E-08	1.54E-07	8.93E-08	9.11E-08	8.26E-08	3.69E-08	3.77E-08	1.71E-09	4.12E-08	9.10E-09	1.24E-08	1.96E-08	3.39E-09	2.48E-09	8.99E-08
4064	478363.09	3854877.25	2.26E-04	2.31E-04	2.31E-04	7.83E-08	2.37E-07	1.37E-07	1.40E-07	1.27E-07	5.66E-08	5.77E-08	2.62E-09	6.32E-08	1.39E-08	1.90E-08	3.01E-08	5.20E-09	3.81E-09	1.38E-07
4065	478863.09	3854877.25	3.57E-04	3.64E-04	3.64E-04	1.24E-07	3.73E-07	2.16E-07	2.20E-07	2.00E-07	8.93E-08	9.10E-08	4.12E-09	9.96E-08	2.20E-08	2.99E-08	4.75E-08	8.20E-09	6.00E-09	2.17E-07
4066	479363.09	3854877.25	5.24E-04	5.35E-04	5.34E-04	1.81E-07	5.48E-07	3.17E-07	3.23E-07	2.93E-07	1.31E-07	1.34E-07	6.06E-09	1.46E-07	3.23E-08	4.39E-08	6.97E-08	1.20E-08	8.82E-09	3.19E-07
4067	479863.09	3854877.25	7.13E-04	7.28E-04	7.27E-04	2.47E-07	7.45E-07	4.31E-07	4.40E-07	3.99E-07	1.78E-07	1.82E-07	8.24E-09	1.99E-07	4.39E-08	5.98E-08	9.48E-08	1.64E-08	1.20E-08	4.34E-07
4068	480363.09	3854877.25	8.59E-04	8.76E-04	8.75E-04	2.97E-07	8.97E-07	5.20E-07	5.30E-07	4.81E-07	2.15E-07	2.19E-07	9.93E-09	2.40E-07	5.29E-08	7.20E-08	1.14E-07	1.97E-08	1.44E-08	5.23E-07
4069	480863.09	3854877.25	1.12E-03	1.14E-03	1.14E-03	3.87E-07	1.17E-06	6.76E-07	6.90E-07	6.25E-07	2.80E-07	2.85E-07	1.29E-08	3.12E-07	6.88E-08	9.36E-08	1.49E-07	2.57E-08	1.88E-08	6.80E-07
4070	481363.09	3854877.25	1.27E-03	1.29E-03	1.29E-03	4.39E-07	1.33E-06	7.67E-07	7.83E-07	7.10E-07	3.17E-07	3.24E-07	1.47E-08	3.54E-07	7.81E-08	1.06E-07	1.69E-07	2.91E-08	2.13E-08	7.72E-07
4071	481863.09	3854877.25	1.20E-03	1.22E-03	1.22E-03	4.15E-07	1.25E-06	7.26E-07	7.41E-07	6.71E-07	3.00E-07	3.06E-07	1.39E-08	3.35E-07	7.39E-08	1.01E-07	1.60E-07	2.76E-08	2.02E-08	7.31E-07
4072	482363.09	3854877.25	1.50E-03	1.54E-03	1.53E-03	5.21E-07	1.57E-06	9.10E-07	9.29E-07	8.42E-07	3.77E-07	3.84E-07	1.74E-08	4.20E-07	9.27E-08	1.26E-07	2.00E-07	3.46E-08	2.53E-08	9.16E-07
4073	482863.09	3854877.25	1.49E-03	1.52E-03	1.52E-03	5.16E-07	1.56E-06	9.02E-07	9.21E-07	8.35E-07	3.73E-07	3.80E-07	1.72E-08	4.16E-07	9.19E-08	1.25E-07	1.98E-07	3.42E-08	2.51E-08	9.08E-07
4074	483363.09	3854877.25	1.49E-03	1.52E-03	1.52E-03	5.17E-07	1.56E-06	9.04E-07	9.22E-07	8.36E-07	3.74E-07	3.81E-07	1.73E-08	4.17E-07	9.20E-08	1.25E-07	1.99E-07	3.43E-08	2.51E-08	9.10E-07
4075	483863.09	3854877.25	1.46E-03	1.49E-03	1.49E-03	5.06E-07	1.53E-06	8.85E-07	9.03E-07	8.18E-07	3.66E-07	3.73E-07	1.69E-08	4.08E-07	9.01E-08	1.23E-07	1.94E-07	3.36E-08	2.46E-08	8.90E-07
4076	484363.09	3854877.25	1.34E-03	1.37E-03	1.37E-03	4.64E-07	1.40E-06	8.11E-07	8.27E-07	7.50E-07	3.35E-07	3.42E-07	1.55E-08	3.74E-07	8.26E-08	1.12E-07	1.78E-07	3.08E-08	2.25E-08	8.16E-07
4077	484863.09	3854877.25	1.30E-03	1.33E-03	1.32E-03	4.50E-07	1.36E-06	7.86E-07	8.02E-07	7.27E-07	3.25E-07	3.31E-07	1.50E-08	3.63E-07	8.01E-08	1.09E-07	1.73E-07	2.98E-08	2.19E-08	7.91E-07
4078	485363.09	3854877.25	1.23E-03	1.26E-03	1.26E-03	4.27E-07	1.29E-06	7.47E-07	7.62E-07	6.91E-07	3.09E-07	3.15E-07	1.43E-08	3.45E-07	7.61E-08	1.04E-07	1.64E-07	2.84E-08	2.08E-08	7.52E-07
4079	485863.09	3854877.25	1.20E-03	1.23E-03	1.23E-03	4.16E-07	1.26E-06	7.28E-07	7.43E-07	6.73E-07	3.01E-07	3.07E-07	1.39E-08	3.36E-07	7.41E-08	1.01E-07	1.60E-07	2.76E-08	2.02E-08	7.33E-07
4080	486363.09	3854877.25	1.17E-03	1.19E-03	1.19E-03	4.05E-07	1.22E-06	7.07E-07	7.22E-07	6.54E-07	2.93E-07	2.98E-07	1.35E-08	3.26E-07	7.20E-08	9.80E-08	1.55E-07	2.68E-08	1.97E-08	7.12E-07
4081	486863.09	3854877.25	1.16E-03	1.18E-03	1.18E-03	4.02E-07	1.21E-06	7.02E-07	7.17E-07	6.50E-07	2.91E-07	2.96E-07	1.34E-08	3.24E-07	7.15E-08	9.73E-08	1.54E-07	2.67E-08	1.95E-08	7.07E-07
4082	487363.09	3854877.25	1.20E-03	1.23E-03	1.22E-03	4.16E-07	1.26E-06	7.27E-07	7.41E-07	6.72E-07	3.01E-07	3.06E-07	1.39E-08	3.35E-07	7.40E-08	1.01E-07	1.60E-07	2.76E-08	2.02E-08	7.31E-07
4083	487863.09	3854877.25	1.20E-03	1.22E-03	1.22E-03	4.14E-07	1.25E-06	7.24E-07	7.38E-07	6.69E-07	2.99E-07	3.05E-07	1.38E-08	3.34E-07	7.37E-08	1.00E-07	1.59E-07	2.75E-08	2.01E-08	7.28E-07
4084	488363.09	3854877.25	1.17E-03	1.20E-03	1.19E-03	4.06E-07	1.22E-06	7.09E-07	7.24E-07	6.56E-07	2.93E-07	2.99E-07	1.35E-08	3.27E-07	7.22E-08	9.82E-08	1.56E-07	2.69E-08	1.97E-08	7.14E-07
4085	488863.09	3854877.25	1.16E-03	1.18E-03	1.18E-03	4.01E-07	1.21E-06	7.01E-07	7.15E-07	6.48E-07	2.90E-07	2.96E-07	1.34E-08	3.24E-07	7.14E-08	9.71E-08	1.54E-07	2.66E-08	1.95E-08	7.06E-07
4086	489363.09	3854877.25	1.13E-03	1.15E-03	1.15E-03	3.91E-07	1.18E-06	6.84E-07	6.98E-07	6.33E-07	2.83E-07	2.88E-07	1.31E-08	3.16E-07	6.97E-08	9.48E-08	1.50E-07	2.60E-08	1.90E-08	6.89E-07
4087	489863.09	3854877.25	1.07E-03	1.10E-03	1.09E-03	3.72E-07	1.12E-06	6.50E-07	6.63E-07	6.01E-07	2.69E-07	2.74E-07	1.24E-08	3.00E-07	6.61E-08	9.00E-08	1.43E-07	2.47E-08	1.81E-08	6.54E-07
4088	490363.09	3854877.25	9.11E-04	9.30E-04	9.29E-04	3.15E-07	9.53E-07	5.51E-07	5.63E-07	5.10E-07	2.28E-07	2.32E-07	1.05E-08	2.54E-07	5.62E-08	7.64E-08	1.21E-07	2.09E-08	1.53E-08	5.55E-07
4089	490863.09	3854877.25	7.15E-04	7.29E-04	7.28E-04	2.47E-07	7.47E-07	4.32E-07	4.41E-07	4.00E-07	1.79E-07	1.82E-07	8.26E-09	2.00E-07	4.40E-08	5.99E-08	9.50E-08	1.64E-08	1.20E-08	4.35E-07
4090	491363.09	3854877.25	7.61E-04	7.76E-04	7.75E-04	2.63E-07	7.95E-07	4.60E-07	4.70E-07	4.26E-07	1.90E-07	1.94E-07	8.79E-09	2.12E-07	4.69E-08	6.38E-08	1.01E-07	1.75E-08	1.28E-08	4.63E-07
4091	491863.09	3854877.25	9.46E-04	9.65E-04	9.64E-04	3.28E-07	9.89E-07	5.72E-07	5.84E-07	5.30E-07	2.37E-07	2.41E-07	1.09E-08	2.64E-07	5.83E-08	7.93E-08	1.26E-07	2.17E-08	1.59E-08	5.76E-07
4092	492363.09	3854877.25	9.33E-04	9.53E-04	9.51E-04	3.23E-07	9.76E-07	5.65E-07	5.76E-07	5.22E-07	2.34E-07	2.38E-07	1.08E-08	2.61E-07	5.75E-08	7.83E-08	1.24E-07	2.14E-08	1.57E-08	5.68E-07
4093	492863.09	3854877.25	9.00E-04	9.18E-04	9.17E-04	3.12E-07	9.41E-07	5.45E-07	5.56E-07	5.04E-07	2.25E-07	2.30E-07	1.04E-08	2.51E-07	5.54E-08	7.54E-08	1.20E-07	2.07E-08	1.51E-08	5.48E-07
4094	493363.09	3854877.25	8.57E-04	8.75E-04	8.74E-04	2.97E-07	8.96E-07	5.19E-07	5.29E-07	4.80E-07	2.15E-07	2.19E-07	9.91E-09	2.39E-07	5.28E-08	7.19E-08	1.14E-07	1.97E-08	1.44E-08	5.22E-07
4095	493863.09	3854877.25	8.20E-04	8.37E-04	8.36E-04	2.84E-07	8.57E-07	4.96E-07	5.06E-07	4.59E-07	2.05E-07	2.09E-07	9.48E-09	2.29E-07	5.05E-08	6.87E-08	1.09E-07	1.88E-08	1.38E-08	4.99E-07
4096	494363.09	3854877.25	6.98E-04	7.12E-04	7.11E-04	2.42E-07	7.29E-07	4.22E-07	4.31E-07	3.91E-07	1.75E-07	1.78E-07	8.07E-09	1.95E-07	4.30E-08	5.85E-08	9.28E-08	1.60E-08	1.17E-08	4.25E-07
4097	494863.09	3854877.25	5.52E-04	5.63E-04	5.62E-04	1.91E-07	5.77E-07	3.34E-07	3.41E-07	3.09E-07	1.38E-07	1.41E-07	6.38E-09	1.54E-07	3.40E-08	4.62E-08	7.34E-08	1.27E-08	9.28E-09	3.36E-07

4098	495363.09	3854877.25	4.55E-04	4.64E-04	4.64E-04	1.57E-07	4.76E-07	2.75E-07	2.81E-07	2.55E-07	1.14E-07	1.16E-07	5.26E-09	1.27E-07	2.80E-08	3.81E-08	6.05E-08	1.04E-08	7.65E-09	2.77E-07
4099	495863.09	3854877.25	4.03E-04	4.11E-04	4.11E-04	1.39E-07	4.21E-07	2.44E-07	2.49E-07	2.25E-07	1.01E-07	1.03E-07	4.66E-09	1.12E-07	2.48E-08	3.38E-08	5.36E-08	9.25E-09	6.78E-09	2.45E-07
4100	496363.09	3854877.25	3.31E-04	3.38E-04	3.38E-04	1.15E-07	3.46E-07	2.00E-07	2.04E-07	1.85E-07	8.29E-08	8.45E-08	3.83E-09	9.25E-08	2.04E-08	2.78E-08	4.40E-08	7.61E-09	5.57E-09	2.02E-07
4101	496863.09	3854877.25	2.91E-04	2.97E-04	2.97E-04	1.01E-07	3.05E-07	1.76E-07	1.80E-07	1.63E-07	7.29E-08	7.43E-08	3.37E-09	8.14E-08	1.80E-08	2.44E-08	3.88E-08	6.69E-09	4.90E-09	1.77E-07
4102	497363.09	3854877.25	2.85E-04	2.90E-04	2.90E-04	9.85E-08	2.98E-07	1.72E-07	1.76E-07	1.59E-07	7.12E-08	7.26E-08	3.29E-09	7.95E-08	1.75E-08	2.39E-08	3.79E-08	6.54E-09	4.79E-09	1.73E-07
4103	497863.09	3854877.25	3.20E-04	3.27E-04	3.26E-04	1.11E-07	3.34E-07	1.94E-07	1.98E-07	1.79E-07	8.01E-08	8.16E-08	3.70E-09	8.94E-08	1.97E-08	2.68E-08	4.26E-08	7.35E-09	5.38E-09	1.95E-07
4104	498363.09	3854877.25	3.19E-04	3.26E-04	3.25E-04	1.10E-07	3.34E-07	1.93E-07	1.97E-07	1.79E-07	7.99E-08	8.14E-08	3.69E-09	8.91E-08	1.97E-08	2.68E-08	4.24E-08	7.33E-09	5.37E-09	1.94E-07
4105	471363.09	3855377.25	3.81E-04	3.89E-04	3.88E-04	1.32E-07	3.98E-07	2.31E-07	2.35E-07	2.13E-07	9.54E-08	9.72E-08	4.40E-09	1.06E-07	2.35E-08	3.19E-08	5.07E-08	8.75E-09	6.41E-09	2.32E-07
4106	471863.09	3855377.25	3.97E-04	4.05E-04	4.05E-04	1.37E-07	4.15E-07	2.40E-07	2.45E-07	2.22E-07	9.94E-08	1.01E-07	4.59E-09	1.11E-07	2.45E-08	3.33E-08	5.28E-08	9.12E-09	6.68E-09	2.42E-07
4107	472363.09	3855377.25	4.28E-04	4.37E-04	4.37E-04	1.48E-07	4.48E-07	2.59E-07	2.65E-07	2.40E-07	1.07E-07	1.09E-07	4.95E-09	1.20E-07	2.64E-08	3.59E-08	5.70E-08	9.84E-09	7.21E-09	2.61E-07
4108	472863.09	3855377.25	4.42E-04	4.51E-04	4.50E-04	1.53E-07	4.62E-07	2.67E-07	2.73E-07	2.47E-07	1.11E-07	1.13E-07	5.11E-09	1.23E-07	2.72E-08	3.71E-08	5.88E-08	1.02E-08	7.44E-09	2.69E-07
4109	473363.09	3855377.25	4.79E-04	4.89E-04	4.88E-04	1.66E-07	5.01E-07	2.90E-07	2.96E-07	2.68E-07	1.20E-07	1.22E-07	5.54E-09	1.34E-07	2.95E-08	4.02E-08	6.37E-08	1.10E-08	8.06E-09	2.92E-07
4110	473863.09	3855377.25	5.09E-04	5.19E-04	5.18E-04	1.76E-07	5.32E-07	3.08E-07	3.14E-07	2.85E-07	1.27E-07	1.30E-07	5.88E-09	1.42E-07	3.13E-08	4.26E-08	6.76E-08	1.17E-08	8.56E-09	3.10E-07
4111	474363.09	3855377.25	5.32E-04	5.42E-04	5.42E-04	1.84E-07	5.56E-07	3.22E-07	3.28E-07	2.98E-07	1.33E-07	1.36E-07	6.14E-09	1.48E-07	3.28E-08	4.46E-08	7.07E-08	1.22E-08	8.94E-09	3.24E-07
4112	474863.09	3855377.25	4.51E-04	4.60E-04	4.60E-04	1.56E-07	4.72E-07	2.73E-07	2.79E-07	2.52E-07	1.13E-07	1.15E-07	5.21E-09	1.26E-07	2.78E-08	3.78E-08	6.00E-08	1.04E-08	7.59E-09	2.75E-07
4113	475363.09	3855377.25	1.74E-04	1.78E-04	1.78E-04	6.04E-08	1.82E-07	1.06E-07	1.08E-07	9.76E-08	4.37E-08	4.45E-08	2.02E-09	4.87E-08	1.07E-08	1.46E-08	2.32E-08	4.01E-09	2.94E-09	1.06E-07
4114	475863.09	3855377.25	1.06E-04	1.09E-04	1.08E-04	3.68E-08	1.11E-07	6.44E-08	6.57E-08	5.95E-08	2.66E-08	2.71E-08	1.23E-09	2.97E-08	6.55E-09	8.92E-09	1.41E-08	2.44E-09	1.79E-09	6.48E-08
4115	476363.09	3855377.25	1.32E-04	1.35E-04	1.35E-04	4.58E-08	1.38E-07	8.01E-08	8.17E-08	7.40E-08	3.31E-08	3.37E-08	1.53E-09	3.69E-08	8.15E-09	1.11E-08	1.76E-08	3.04E-09	2.23E-09	8.06E-08
4116	476863.09	3855377.25	1.19E-04	1.22E-04	1.22E-04	4.13E-08	1.25E-07	7.22E-08	7.37E-08	6.68E-08	2.99E-08	3.04E-08	1.38E-09	3.33E-08	7.35E-09	1.00E-08	1.59E-08	2.74E-09	2.01E-09	7.27E-08
4117	477363.09	3855377.25	1.33E-04	1.36E-04	1.36E-04	4.62E-08	1.40E-07	8.08E-08	8.24E-08	7.47E-08	3.34E-08	3.40E-08	1.54E-09	3.73E-08	8.22E-09	1.12E-08	1.78E-08	3.07E-09	2.25E-09	8.13E-08
4118	477863.09	3855377.25	1.93E-04	1.97E-04	1.97E-04	6.69E-08	2.02E-07	1.17E-07	1.19E-07	1.08E-07	4.84E-08	4.93E-08	2.23E-09	5.40E-08	1.19E-08	1.62E-08	2.57E-08	4.44E-09	3.25E-09	1.18E-07
4119	478363.09	3855377.25	2.69E-04	2.75E-04	2.74E-04	9.31E-08	2.81E-07	1.63E-07	1.66E-07	1.51E-07	6.73E-08	6.86E-08	3.11E-09	7.51E-08	1.66E-08	2.26E-08	3.58E-08	6.18E-09	4.53E-09	1.64E-07
4120	478863.09	3855377.25	3.50E-04	3.57E-04	3.56E-04	1.21E-07	3.66E-07	2.12E-07	2.16E-07	1.96E-07	8.75E-08	8.92E-08	4.04E-09	9.77E-08	2.16E-08	2.93E-08	4.65E-08	8.03E-09	5.88E-09	2.13E-07
4121	479363.09	3855377.25	4.60E-04	4.70E-04	4.69E-04	1.59E-07	4.81E-07	2.78E-07	2.84E-07	2.58E-07	1.15E-07	1.17E-07	5.32E-09	1.29E-07	2.84E-08	3.86E-08	6.12E-08	1.06E-08	7.74E-09	2.80E-07
4122	479863.09	3855377.25	5.63E-04	5.75E-04	5.74E-04	1.95E-07	5.89E-07	3.41E-07	3.48E-07	3.15E-07	1.41E-07	1.44E-07	6.51E-09	1.57E-07	3.47E-08	4.72E-08	7.49E-08	1.29E-08	9.48E-09	3.43E-07
4123	480363.09	3855377.25	7.53E-04	7.69E-04	7.68E-04	2.61E-07	7.87E-07	4.56E-07	4.65E-07	4.22E-07	1.88E-07	1.92E-07	8.71E-09	2.10E-07	4.64E-08	6.31E-08	1.00E-07	1.73E-08	1.27E-08	4.59E-07
4124	480863.09	3855377.25	9.77E-04	9.97E-04	9.96E-04	3.38E-07	1.02E-06	5.91E-07	6.03E-07	5.47E-07	2.45E-07	2.49E-07	1.13E-08	2.73E-07	6.02E-08	8.19E-08	1.30E-07	2.24E-08	1.64E-08	5.95E-07
4125	481363.09	3855377.25	1.14E-03	1.16E-03	1.16E-03	3.95E-07	1.19E-06	6.90E-07	7.04E-07	6.38E-07	2.85E-07	2.91E-07	1.32E-08	3.18E-07	7.02E-08	9.56E-08	1.52E-07	2.62E-08	1.92E-08	6.94E-07
4126	481863.09	3855377.25	1.20E-03	1.22E-03	1.22E-03	4.15E-07	1.25E-06	7.25E-07	7.39E-07	6.70E-07	3.00E-07	3.05E-07	1.38E-08	3.34E-07	7.38E-08	1.00E-07	1.59E-07	2.75E-08	2.01E-08	7.29E-07
4127	482363.09	3855377.25	1.19E-03	1.22E-03	1.22E-03	4.13E-07	1.25E-06	7.21E-07	7.36E-07	6.67E-07	2.98E-07	3.04E-07	1.38E-08	3.33E-07	7.35E-08	9.99E-08	1.59E-07	2.74E-08	2.01E-08	7.26E-07
4128	482863.09	3855377.25	1.19E-03	1.21E-03	1.21E-03	4.10E-07	1.24E-06	7.17E-07	7.32E-07	6.63E-07	2.97E-07	3.02E-07	1.37E-08	3.31E-07	7.30E-08	9.93E-08	1.58E-07	2.72E-08	1.99E-08	7.22E-07
4129	483363.09	3855377.25	1.19E-03	1.21E-03	1.21E-03	4.12E-07	1.24E-06	7.20E-07	7.34E-07	6.66E-07	2.98E-07	3.03E-07	1.38E-08	3.32E-07	7.33E-08	9.97E-08	1.58E-07	2.73E-08	2.00E-08	7.24E-07
4130	483863.09	3855377.25	1.20E-03	1.22E-03	1.22E-03	4.14E-07	1.25E-06	7.24E-07	7.39E-07	6.70E-07	3.00E-07	3.05E-07	1.38E-08	3.34E-07	7.38E-08	1.00E-07	1.59E-07	2.75E-08	2.01E-08	7.29E-07
4131	484363.09	3855377.25	1.19E-03	1.22E-03	1.22E-03	4.13E-07	1.25E-06	7.22E-07	7.37E-07	6.68E-07	2.99E-07	3.05E-07	1.38E-08	3.33E-07	7.36E-08	1.00E-07	1.59E-07	2.74E-08	2.01E-08	7.27E-07
4132	484863.09	3855377.25	1.17E-03	1.20E-03	1.20E-03	4.06E-07	1.23E-06	7.10E-07	7.24E-07	6.57E-07	2.94E-07	2.99E-07	1.36E-08	3.28E-07	7.23E-08	9.84E-08	1.56E-07	2.69E-08	1.97E-08	7.15E-07
4133	485363.09	3855377.25	1.16E-03	1.18E-03	1.18E-03	4.00E-07	1.21E-06	6.99E-07	7.13E-07	6.47E-07	2.89E-07	2.95E-07	1.34E-08	3.23E-07	7.12E-08	9.69E-08	1.54E-07	2.65E-08	1.94E-08	7.04E-07
4134	485863.09	3855377.25	1.09E-03	1.12E-03	1.12E-03	3.79E-07	1.14E-06	6.62E-07	6.76E-07	6.12E-07	2.74E-07	2.79E-07	1.26E-08	3.05E-07	6.74E-08	9.17E-08	1.45E-07	2.51E-08	1.84E-08	6.66E-07
4135	486363.09	3855377.25	1.05E-03	1.07E-03	1.07E-03	3.64E-07	1.10E-06	6.36E-07	6.49E-07	5.88E-07	2.63E-07	2.68E-07	1.21E-08	2.93E-07	6.48E-08	8.81E-08	1.40E-07	2.41E-08	1.77E-08	6.40E-07
4136	486863.09	3855377.25	1.02E-03	1.04E-03	1.04E-03	3.52E-07	1.06E-06	6.15E-07	6.28E-07	5.69E-07	2.55E-07	2.59E-07	1.18E-08	2.84E-07	6.27E-08	8.53E-08	1.35E-07	2.34E-08	1.71E-08	6.19E-07
4137	487363.09	3855377.25	1.06E-03	1.08E-03	1.08E-03	3.66E-07	1.10E-06	6.39E-07	6.52E-07	5.91E-07	2.64E-07	2.69E-07	1.22E-08	2.95E-07	6.51E-08	8.86E-08	1.40E-07	2.43E-08	1.78E-08	6.43E-07
4138	487863.09	3855377.25	1.09E-03	1.11E-03	1.11E-03	3.77E-07	1.14E-06	6.60E-07	6.73E-07	6.10E-07	2.73E-07	2.78E-07	1.26E-08	3.04E-07	6.72E-08	9.14E-08	1.45E-07	2.50E-08	1.83E-08	6.64E-07
4139	488363.09	3855377.25	1.10E-03	1.12E-03	1.12E-03	3.81E-07	1.15E-06	6.65E-07	6.79E-07	6.15E-07	2.75E-07	2.80E-07	1.27E-08	3.07E-07	6.77E-08	9.22E-08	1.46E-07	2.53E-08	1.85E-08	6.70E-07
4140	488863.09	3855377.25	1.08E-03	1.10E-03	1.10E-03	3.74E-07	1.13E-06	6.54E-07	6.67E-07	6.05E-07	2.70E-07	2.76E-07	1.25E-08	3.02E-07	6.66E-08	9.06E-08	1.44E-07	2.48E-08	1.82E-08	6.58E-07
4141	489363.09	3855377.25	1.04E-03	1.06E-03	1.06E-03	3.59E-07	1.08E-06	6.28E-07	6.41E-07	5.81E-07	2.60E-07	2.65E-07	1.20E-08	2.90E-07	6.39E-08	8.70E-08	1.38E-07	2.38E-08	1.75E-08	6.32E-07
4142	489863.09	3855377.25	9.89E-04	1.01E-03	1.01E-03	3.42E-07	1.03E-06	5.98E-07	6.11E-07	5.53E-07	2.47E-07	2.52E-07	1.14E-08	2.76E-07	6.09E-08	8.29E-08	1.32E-07	2.27E-08	1.66E-08	6.02E-07
4143	490363.09	3855377.25	9.72E-04	9.91E-04	9.90E-04	3.36E-07	1.02E-06	5.88E-07	6.00E-07	5.44E-07	2.43E-07	2.48E-07	1.12E-08	2.71E-07	5.99E-08	8.14E-08	1.29E-07	2.23E-08	1.63E-08	5.92E-07
4144	490863.09	3855377.25	7.69E-04	7.85E-04	7.84E-04	2.66E-07	8.04E-07	4.65E-07	4.75E-07	4.30E-07	1.92E-07	1.96E-07	8.89E-09	2.15E-07	4.74E-08	6.45E-08	1.02E-07	1.77E-08	1.29E-08	4.68E-07
4145	491363.09	3855377.25	6.94E-04	7.08E-04	7.07E-04	2.40E-07	7.25E-07	4.20E-07	4.28E-07	3.88E-07	1.74E-07	1.77E-07	8.02E-09	1.94E-07	4.27E-08	5.81E-08	9.22E-08	1.59E-08	1.17E-08	4.22E-07
4146	491863.09	3855377.25	8.69E-04	8.87E-04	8.86E-04	3.01E-07	9.08E-07	5.26E-07	5.37E-07	4.86E-07	2.17E-07	2.22E-07	1.00E-08	2.43E-07	5.35E-08	7.28E-08	1.16E-07	2.00E-08	1.46E-08	5.29E-07
4147	492363.09	3855377.25	8.60E-04	8.78E-04	8.77E-04	2.98E-07	8.99E-07	5.20E-07	5.31E-07	4.81E-07	2.15E-07	2.19E-07	9.94E-09	2.40E-07	5.30E-08	7.21E-08	1.14E-07	1.98E-08	1.45E-08	5.24E-07
4148	492863.09	3855377.25	8.32E-04	8.49E-04	8.48E-04	2.88E-07	8.70E-07	5.04E-07	5.14E-07	4.66E-07	2.08E-07	2.12E-07	9.62E-09	2.32E-07	5.13E-08	6.98E-08	1.11E-07	1.91E-08	1.40E-08	5.07E-07
4149	493363.09	3855377.25	7.79E-04	7.95E-04	7.94E-04	2.70E-07	8.15E-07	4.72E-07	4.81E-07	4.36E-07	1.95E-07	1.99E-07	9.01E-09	2.18E-07	4.80E-08	6.53E-08	1.04E-07	1.79E-08	1.31E-08	4.75E-07
4150	493863.09	3855377.25	6.73E-04	6.87E-04	6.86E-04	2.33E-07	7.04E-07	4.07E-07	4.16E-07	3.77E-07	1.69E-07	1.72E-07	7.78E-09	1.88E-07	4.15E-08	5.64E-08	8.95E-08	1.55E-08	1.13E-08	4.10E-07
4151	494363.09	3855377.25	5.45E-04	5.57E-04	5.56E-04	1.89E-07	5.70E-07	3.30E-07	3.37E-07	3.05E-07	1.37E-07	1.39E-07	6.30E-09	1.52E-07	3.36E-08	4.57E-08	7.25E-08	1.25E-08	9.18E-09	3.32E-07
4152	494863.09	3855377.25	4.19E-04	4.27E-04	4.27E-04	1.45E-07	4.38E-07	2.53E-07	2.59E-07	2.34E-07	1.05E-07	1.07E-07	4.84E-09	1.17E-07	2.58E-08	3.51E-08	5.57E-08	9.62E-09	7.05E-09	2.55E-07
4153	495363.09	3855377.25	3.33E-04	3.40E-04	3.40E-04	1.15E-07	3.48E-07	2.02E-07	2.06E-07	1.87E-07	8.34E-08	8.50E-08	3.85E-09	9.31E-08	2.05E-08	2.79E-08	4.43E-08	7.65E-09	5.61E-09	2.03E-07
4154	495863.09	3855377.25	2.81E-04	2.86E-04	2.86E-04	9.71E-08	2.93E-07	1.70E-07	1.73E-07	1.57E-07	7.02E-08	7.16E-08	3.24E-09	7.83E-08	1.73E-08	2.35E-08	3.73E-08	6.44E-09	4.72E-09	1.71E-07

4155	496363.09	3855377.25	2.77E-04	2.82E-04	2.82E-04	9.58E-08	2.89E-07	1.67E-07	1.71E-07	1.55E-07	6.92E-08	7.06E-08	3.20E-09	7.73E-08	1.70E-08	2.32E-08	3.68E-08	6.35E-09	4.66E-09	1.69E-07
4156	496863.09	3855377.25	2.76E-04	2.81E-04	2.81E-04	9.55E-08	2.88E-07	1.67E-07	1.70E-07	1.54E-07	6.90E-08	7.04E-08	3.19E-09	7.70E-08	1.70E-08	2.31E-08	3.67E-08	6.33E-09	4.64E-09	1.68E-07
4157	497363.09	3855377.25	2.87E-04	2.93E-04	2.93E-04	9.95E-08	3.00E-07	1.74E-07	1.77E-07	1.61E-07	7.19E-08	7.33E-08	3.32E-09	8.02E-08	1.77E-08	2.41E-08	3.82E-08	6.60E-09	4.83E-09	1.75E-07
4158	497863.09	3855377.25	3.10E-04	3.16E-04	3.16E-04	1.07E-07	3.24E-07	1.88E-07	1.91E-07	1.73E-07	7.76E-08	7.91E-08	3.58E-09	8.66E-08	1.91E-08	2.60E-08	4.12E-08	7.12E-09	5.22E-09	1.89E-07
4159	498363.09	3855377.25	3.39E-04	3.45E-04	3.45E-04	1.17E-07	3.54E-07	2.05E-07	2.09E-07	1.89E-07	8.47E-08	8.64E-08	3.91E-09	9.45E-08	2.09E-08	2.84E-08	4.50E-08	7.78E-09	5.70E-09	2.06E-07
4160	471363.09	3855877.25	3.72E-04	3.80E-04	3.79E-04	1.29E-07	3.89E-07	2.25E-07	2.30E-07	2.08E-07	9.31E-08	9.49E-08	4.30E-09	1.04E-07	2.29E-08	3.12E-08	4.95E-08	8.55E-09	6.26E-09	2.27E-07
4161	471863.09	3855877.25	3.89E-04	3.97E-04	3.96E-04	1.35E-07	4.07E-07	2.35E-07	2.40E-07	2.18E-07	9.73E-08	9.92E-08	4.50E-09	1.09E-07	2.40E-08	3.26E-08	5.17E-08	8.93E-09	6.54E-09	2.37E-07
4162	472363.09	3855877.25	4.24E-04	4.33E-04	4.32E-04	1.47E-07	4.43E-07	2.57E-07	2.62E-07	2.37E-07	1.06E-07	1.08E-07	4.90E-09	1.18E-07	2.61E-08	3.55E-08	5.64E-08	9.74E-09	7.13E-09	2.58E-07
4163	472863.09	3855877.25	4.30E-04	4.39E-04	4.38E-04	1.49E-07	4.49E-07	2.60E-07	2.65E-07	2.41E-07	1.08E-07	1.10E-07	4.97E-09	1.20E-07	2.65E-08	3.60E-08	5.72E-08	9.87E-09	7.23E-09	2.62E-07
4164	473363.09	3855877.25	4.71E-04	4.80E-04	4.80E-04	1.63E-07	4.92E-07	2.85E-07	2.91E-07	2.64E-07	1.18E-07	1.20E-07	5.44E-09	1.31E-07	2.90E-08	3.95E-08	6.26E-08	1.08E-08	7.92E-09	2.87E-07
4165	473863.09	3855877.25	4.99E-04	5.09E-04	5.08E-04	1.73E-07	5.21E-07	3.02E-07	3.08E-07	2.79E-07	1.25E-07	1.27E-07	5.77E-09	1.39E-07	3.07E-08	4.18E-08	6.63E-08	1.15E-08	8.39E-09	3.04E-07
4166	474363.09	3855877.25	5.14E-04	5.24E-04	5.23E-04	1.78E-07	5.37E-07	3.11E-07	3.17E-07	2.87E-07	1.29E-07	1.31E-07	5.94E-09	1.43E-07	3.16E-08	4.31E-08	6.83E-08	1.18E-08	8.64E-09	3.13E-07
4167	474863.09	3855877.25	4.11E-04	4.19E-04	4.19E-04	1.42E-07	4.30E-07	2.49E-07	2.54E-07	2.30E-07	1.03E-07	1.05E-07	4.75E-09	1.15E-07	2.53E-08	3.45E-08	5.47E-08	9.44E-09	6.92E-09	2.50E-07
4168	475363.09	3855877.25	2.36E-04	2.41E-04	2.40E-04	8.16E-08	2.46E-07	1.43E-07	1.46E-07	1.32E-07	5.90E-08	6.01E-08	2.72E-09	6.58E-08	1.45E-08	1.98E-08	3.13E-08	5.41E-09	3.97E-09	1.44E-07
4169	475863.09	3855877.25	6.84E-05	6.98E-05	6.97E-05	2.37E-08	7.15E-08	4.14E-08	4.22E-08	3.83E-08	1.71E-08	1.74E-08	7.90E-10	1.91E-08	4.21E-09	5.73E-09	9.09E-09	1.57E-09	1.15E-09	4.16E-08
4170	476363.09	3855877.25	7.19E-05	7.34E-05	7.33E-05	2.49E-08	7.51E-08	4.35E-08	4.44E-08	4.02E-08	1.80E-08	1.83E-08	8.31E-10	2.01E-08	4.43E-09	6.03E-09	9.56E-09	1.65E-09	1.21E-09	4.38E-08
4171	476863.09	3855877.25	1.29E-04	1.31E-04	1.31E-04	4.46E-08	1.35E-07	7.79E-08	7.95E-08	7.21E-08	3.22E-08	3.28E-08	1.49E-09	3.60E-08	7.93E-09	1.08E-08	1.71E-08	2.96E-09	2.17E-09	7.84E-08
4172	477363.09	3855877.25	1.64E-04	1.67E-04	1.67E-04	5.68E-08	1.72E-07	9.93E-08	1.01E-07	9.19E-08	4.11E-08	4.19E-08	1.90E-09	4.58E-08	1.01E-08	1.38E-08	2.18E-08	3.77E-09	2.76E-09	1.00E-07
4173	477863.09	3855877.25	2.10E-04	2.15E-04	2.14E-04	7.28E-08	2.20E-07	1.27E-07	1.30E-07	1.18E-07	5.27E-08	5.37E-08	2.43E-09	5.87E-08	1.30E-08	1.76E-08	2.80E-08	4.83E-09	3.54E-09	1.28E-07
4174	478363.09	3855877.25	2.79E-04	2.85E-04	2.85E-04	9.67E-08	2.92E-07	1.69E-07	1.72E-07	1.56E-07	6.99E-08	7.13E-08	3.23E-09	7.80E-08	1.72E-08	2.34E-08	3.71E-08	6.42E-09	4.70E-09	1.70E-07
4175	478863.09	3855877.25	3.70E-04	3.77E-04	3.77E-04	1.28E-07	3.87E-07	2.24E-07	2.28E-07	2.07E-07	9.26E-08	9.43E-08	4.27E-09	1.03E-07	2.28E-08	3.10E-08	4.92E-08	8.49E-09	6.22E-09	2.25E-07
4176	479363.09	3855877.25	4.83E-04	4.93E-04	4.93E-04	1.67E-07	5.05E-07	2.92E-07	2.98E-07	2.70E-07	1.21E-07	1.23E-07	5.59E-09	1.35E-07	2.98E-08	4.05E-08	6.43E-08	1.11E-08	8.13E-09	2.94E-07
4177	479863.09	3855877.25	5.78E-04	5.89E-04	5.89E-04	2.00E-07	6.04E-07	3.49E-07	3.57E-07	3.23E-07	1.45E-07	1.47E-07	6.68E-09	1.61E-07	3.56E-08	4.84E-08	7.68E-08	1.33E-08	9.72E-09	3.52E-07
4178	480363.09	3855877.25	7.01E-04	7.15E-04	7.14E-04	2.43E-07	7.32E-07	4.24E-07	4.33E-07	3.92E-07	1.75E-07	1.79E-07	8.10E-09	1.96E-07	4.32E-08	5.87E-08	9.32E-08	1.61E-08	1.18E-08	4.27E-07
4179	480863.09	3855877.25	8.31E-04	8.48E-04	8.47E-04	2.88E-07	8.69E-07	5.03E-07	5.13E-07	4.65E-07	2.08E-07	2.12E-07	9.61E-09	2.32E-07	5.12E-08	6.97E-08	1.11E-07	1.91E-08	1.40E-08	5.06E-07
4180	481363.09	3855877.25	8.27E-04	8.44E-04	8.43E-04	2.86E-07	8.64E-07	5.00E-07	5.11E-07	4.63E-07	2.07E-07	2.11E-07	9.56E-09	2.31E-07	5.09E-08	6.93E-08	1.10E-07	1.90E-08	1.39E-08	5.04E-07
4181	481863.09	3855877.25	9.80E-04	1.00E-03	9.99E-04	3.39E-07	1.02E-06	5.93E-07	6.05E-07	5.48E-07	2.45E-07	2.50E-07	1.13E-08	2.74E-07	6.04E-08	8.21E-08	1.30E-07	2.25E-08	1.65E-08	5.97E-07
4182	482363.09	3855877.25	9.82E-04	1.00E-03	1.00E-03	3.40E-07	1.03E-06	5.94E-07	6.06E-07	5.50E-07	2.46E-07	2.51E-07	1.14E-08	2.74E-07	6.05E-08	8.23E-08	1.31E-07	2.26E-08	1.65E-08	5.98E-07
4183	482863.09	3855877.25	9.89E-04	1.01E-03	1.01E-03	3.42E-07	1.03E-06	5.98E-07	6.11E-07	5.53E-07	2.47E-07	2.52E-07	1.14E-08	2.76E-07	6.09E-08	8.29E-08	1.32E-07	2.27E-08	1.66E-08	6.02E-07
4184	483363.09	3855877.25	1.01E-03	1.03E-03	1.03E-03	3.49E-07	1.05E-06	6.09E-07	6.22E-07	5.64E-07	2.52E-07	2.57E-07	1.16E-08	2.81E-07	6.21E-08	8.44E-08	1.34E-07	2.31E-08	1.69E-08	6.13E-07
4185	483863.09	3855877.25	1.01E-03	1.03E-03	1.02E-03	3.48E-07	1.05E-06	6.08E-07	6.21E-07	5.63E-07	2.52E-07	2.56E-07	1.16E-08	2.81E-07	6.19E-08	8.43E-08	1.34E-07	2.31E-08	1.69E-08	6.12E-07
4186	484363.09	3855877.25	1.03E-03	1.05E-03	1.05E-03	3.57E-07	1.08E-06	6.25E-07	6.37E-07	5.78E-07	2.58E-07	2.63E-07	1.19E-08	2.88E-07	6.36E-08	8.66E-08	1.37E-07	2.37E-08	1.74E-08	6.29E-07
4187	484863.09	3855877.25	1.03E-03	1.05E-03	1.05E-03	3.57E-07	1.08E-06	6.25E-07	6.37E-07	5.78E-07	2.58E-07	2.63E-07	1.19E-08	2.88E-07	6.36E-08	8.66E-08	1.37E-07	2.37E-08	1.74E-08	6.29E-07
4188	485363.09	3855877.25	1.02E-03	1.04E-03	1.04E-03	3.52E-07	1.06E-06	6.15E-07	6.27E-07	5.69E-07	2.54E-07	2.59E-07	1.17E-08	2.84E-07	6.26E-08	8.52E-08	1.35E-07	2.33E-08	1.71E-08	6.19E-07
4189	485863.09	3855877.25	1.02E-03	1.04E-03	1.04E-03	3.52E-07	1.06E-06	6.15E-07	6.28E-07	5.69E-07	2.55E-07	2.59E-07	1.18E-08	2.84E-07	6.27E-08	8.53E-08	1.35E-07	2.34E-08	1.71E-08	6.19E-07
4190	486363.09	3855877.25	9.51E-04	9.71E-04	9.69E-04	3.29E-07	9.94E-07	5.76E-07	5.87E-07	5.32E-07	2.38E-07	2.43E-07	1.10E-08	2.66E-07	5.86E-08	7.97E-08	1.26E-07	2.18E-08	1.60E-08	5.79E-07
4191	486863.09	3855877.25	9.22E-04	9.41E-04	9.40E-04	3.19E-07	9.64E-07	5.58E-07	5.69E-07	5.16E-07	2.31E-07	2.35E-07	1.07E-08	2.57E-07	5.68E-08	7.73E-08	1.23E-07	2.12E-08	1.55E-08	5.61E-07
4192	487363.09	3855877.25	9.45E-04	9.64E-04	9.63E-04	3.27E-07	9.87E-07	5.72E-07	5.83E-07	5.29E-07	2.36E-07	2.41E-07	1.09E-08	2.64E-07	5.82E-08	7.92E-08	1.26E-07	2.17E-08	1.59E-08	5.75E-07
4193	487863.09	3855877.25	9.60E-04	9.80E-04	9.79E-04	3.32E-07	1.00E-06	5.81E-07	5.93E-07	5.37E-07	2.40E-07	2.45E-07	1.11E-08	2.68E-07	5.92E-08	8.05E-08	1.28E-07	2.21E-08	1.62E-08	5.85E-07
4194	488363.09	3855877.25	9.82E-04	1.00E-03	1.00E-03	3.40E-07	1.03E-06	5.94E-07	6.07E-07	5.50E-07	2.46E-07	2.51E-07	1.14E-08	2.74E-07	6.05E-08	8.24E-08	1.31E-07	2.26E-08	1.65E-08	5.98E-07
4195	488863.09	3855877.25	9.96E-04	1.02E-03	1.01E-03	3.45E-07	1.04E-06	6.02E-07	6.15E-07	5.57E-07	2.49E-07	2.54E-07	1.15E-08	2.78E-07	6.13E-08	8.35E-08	1.32E-07	2.29E-08	1.68E-08	6.06E-07
4196	489363.09	3855877.25	9.78E-04	9.98E-04	9.97E-04	3.39E-07	1.02E-06	5.92E-07	6.04E-07	5.47E-07	2.45E-07	2.49E-07	1.13E-08	2.73E-07	6.03E-08	8.20E-08	1.30E-07	2.25E-08	1.65E-08	5.96E-07
4197	489863.09	3855877.25	9.47E-04	9.66E-04	9.65E-04	3.28E-07	9.90E-07	5.73E-07	5.85E-07	5.30E-07	2.37E-07	2.42E-07	1.09E-08	2.64E-07	5.84E-08	7.94E-08	1.26E-07	2.18E-08	1.59E-08	5.77E-07
4198	490363.09	3855877.25	9.18E-04	9.37E-04	9.36E-04	3.18E-07	9.60E-07	5.56E-07	5.67E-07	5.14E-07	2.30E-07	2.34E-07	1.06E-08	2.56E-07	5.66E-08	7.70E-08	1.22E-07	2.11E-08	1.55E-08	5.59E-07
4199	490863.09	3855877.25	8.70E-04	8.88E-04	8.87E-04	3.01E-07	9.09E-07	5.26E-07	5.37E-07	4.87E-07	2.18E-07	2.22E-07	1.01E-08	2.43E-07	5.36E-08	7.29E-08	1.16E-07	2.00E-08	1.46E-08	5.30E-07
4200	491363.09	3855877.25	7.95E-04	8.12E-04	8.11E-04	2.75E-07	8.31E-07	4.81E-07	4.91E-07	4.45E-07	1.99E-07	2.03E-07	9.19E-09	2.22E-07	4.90E-08	6.67E-08	1.06E-07	1.83E-08	1.34E-08	4.84E-07
4201	491863.09	3855877.25	8.29E-04	8.46E-04	8.45E-04	2.87E-07	8.67E-07	5.02E-07	5.12E-07	4.64E-07	2.08E-07	2.12E-07	9.58E-09	2.32E-07	5.11E-08	6.95E-08	1.10E-07	1.90E-08	1.40E-08	5.05E-07
4202	492363.09	3855877.25	7.96E-04	8.13E-04	8.12E-04	2.76E-07	8.32E-07	4.82E-07	4.92E-07	4.46E-07	1.99E-07	2.03E-07	9.21E-09	2.22E-07	4.91E-08	6.68E-08	1.06E-07	1.83E-08	1.34E-08	4.85E-07
4203	492863.09	3855877.25	7.69E-04	7.85E-04	7.84E-04	2.66E-07	8.04E-07	4.65E-07	4.75E-07	4.30E-07	1.92E-07	1.96E-07	8.89E-09	2.15E-07	4.74E-08	6.45E-08	1.02E-07	1.77E-08	1.29E-08	4.68E-07
4204	493363.09	3855877.25	6.70E-04	6.84E-04	6.83E-04	2.32E-07	7.00E-07	4.05E-07	4.14E-07	3.75E-07	1.68E-07	1.71E-07	7.75E-09	1.87E-07	4.13E-08	5.62E-08	8.91E-08	1.54E-08	1.13E-08	4.08E-07
4205	493863.09	3855877.25	5.39E-04	5.50E-04	5.49E-04	1.86E-07	5.63E-07	3.26E-07	3.33E-07	3.01E-07	1.35E-07	1.37E-07	6.23E-09	1.50E-07	3.32E-08	4.52E-08	7.16E-08	1.24E-08	9.06E-09	3.28E-07
4206	494363.09	3855877.25	4.10E-04	4.19E-04	4.18E-04	1.42E-07	4.29E-07	2.48E-07	2.53E-07	2.30E-07	1.03E-07	1.05E-07	4.74E-09	1.15E-07	2.53E-08	3.44E-08	5.45E-08	9.42E-09	6.90E-09	2.50E-07
4207	494863.09	3855877.25	3.24E-04	3.31E-04	3.31E-04	1.12E-07	3.39E-07	1.96E-07	2.00E-07	1.82E-07	8.12E-08	8.28E-08	3.75E-09	9.06E-08	2.00E-08	2.72E-08	4.31E-08	7.45E-09	5.46E-09	1.98E-07
4208	495363.09	3855877.25	2.44E-04	2.49E-04	2.48E-04	8.44E-08	2.55E-07	1.47E-07	1.50E-07	1.36E-07	6.10E-08	6.22E-08	2.82E-09	6.80E-08	1.50E-08	2.04E-08	3.24E-08	5.60E-09	4.10E-09	1.48E-07
4209	495863.09	3855877.25	2.47E-04	2.52E-04	2.51E-04	8.54E-08	2.58E-07	1.49E-07	1.52E-07	1.38E-07	6.17E-08	6.29E-08	2.85E-09	6.89E-08	1.52E-08	2.07E-08	3.28E-08	5.66E-09	4.15E-09	1.50E-07
4210	496363.09	3855877.25	2.53E-04	2.59E-04	2.58E-04	8.77E-08	2.65E-07	1.53E-07	1.56E-07	1.42E-07	6.34E-08	6.46E-08	2.93E-09	7.08E-08	1.56E-08	2.12E-08	3.37E-08	5.82E-09	4.26E-09	1.54E-07
4211	496863.09	3855877.25	2.73E-04	2.78E-04	2.78E-04	9.44E-08	2.85E-07	1.65E-07	1.68E-07	1.53E-07	6.82E-08	6.95E-08	3.15E-09	7.61E-08	1.68E-08	2.28E-08	3.62E-08	6.26E-09	4.59E-09	1.66E-07

4212	497363.09	3855877.25	2.95E-04	3.01E-04	3.00E-04	1.02E-07	3.08E-07	1.78E-07	1.82E-07	1.65E-07	7.37E-08	7.52E-08	3.41E-09	8.23E-08	1.82E-08	2.47E-08	3.92E-08	6.77E-09	4.96E-09	1.79E-07
4213	497863.09	3855877.25	3.23E-04	3.30E-04	3.29E-04	1.12E-07	3.38E-07	1.96E-07	2.00E-07	1.81E-07	8.09E-08	8.25E-08	3.74E-09	9.03E-08	1.99E-08	2.71E-08	4.30E-08	7.42E-09	5.44E-09	1.97E-07
4214	498363.09	3855877.25	3.77E-04	3.85E-04	3.85E-04	1.31E-07	3.95E-07	2.28E-07	2.33E-07	2.11E-07	9.45E-08	9.63E-08	4.36E-09	1.05E-07	2.33E-08	3.16E-08	5.02E-08	8.67E-09	6.35E-09	2.30E-07
4215	471363.09	3856377.25	3.58E-04	3.66E-04	3.65E-04	1.24E-07	3.75E-07	2.17E-07	2.21E-07	2.01E-07	8.97E-08	9.14E-08	4.14E-09	1.00E-07	2.21E-08	3.00E-08	4.76E-08	8.23E-09	6.03E-09	2.18E-07
4216	471863.09	3856377.25	3.72E-04	3.80E-04	3.79E-04	1.29E-07	3.89E-07	2.25E-07	2.30E-07	2.08E-07	9.31E-08	9.49E-08	4.30E-09	1.04E-07	2.29E-08	3.12E-08	4.95E-08	8.55E-09	6.26E-09	2.27E-07
4217	472363.09	3856377.25	3.96E-04	4.04E-04	4.04E-04	1.37E-07	4.14E-07	2.40E-07	2.45E-07	2.22E-07	9.92E-08	1.01E-07	4.58E-09	1.11E-07	2.44E-08	3.32E-08	5.27E-08	9.10E-09	6.67E-09	2.41E-07
4218	472863.09	3856377.25	4.23E-04	4.32E-04	4.31E-04	1.46E-07	4.42E-07	2.56E-07	2.61E-07	2.37E-07	1.06E-07	1.08E-07	4.89E-09	1.18E-07	2.61E-08	3.55E-08	5.63E-08	9.72E-09	7.12E-09	2.58E-07
4219	473363.09	3856377.25	4.46E-04	4.55E-04	4.54E-04	1.54E-07	4.66E-07	2.70E-07	2.75E-07	2.49E-07	1.12E-07	1.14E-07	5.15E-09	1.24E-07	2.75E-08	3.73E-08	5.92E-08	1.02E-08	7.50E-09	2.71E-07
4220	473863.09	3856377.25	4.84E-04	4.93E-04	4.93E-04	1.67E-07	5.05E-07	2.93E-07	2.99E-07	2.71E-07	1.21E-07	1.23E-07	5.59E-09	1.35E-07	2.98E-08	4.05E-08	6.43E-08	1.11E-08	8.14E-09	2.94E-07
4221	474363.09	3856377.25	4.74E-04	4.83E-04	4.83E-04	1.64E-07	4.95E-07	2.87E-07	2.92E-07	2.65E-07	1.19E-07	1.21E-07	5.47E-09	1.32E-07	2.92E-08	3.97E-08	6.30E-08	1.09E-08	7.97E-09	2.88E-07
4222	474863.09	3856377.25	4.42E-04	4.51E-04	4.51E-04	1.53E-07	4.62E-07	2.68E-07	2.73E-07	2.48E-07	1.11E-07	1.13E-07	5.11E-09	1.23E-07	2.73E-08	3.71E-08	5.88E-08	1.02E-08	7.44E-09	2.69E-07
4223	475363.09	3856377.25	3.52E-04	3.59E-04	3.59E-04	1.22E-07	3.68E-07	2.13E-07	2.17E-07	1.97E-07	8.81E-08	8.97E-08	4.07E-09	9.82E-08	2.17E-08	2.95E-08	4.68E-08	8.08E-09	5.92E-09	2.14E-07
4224	475863.09	3856377.25	2.22E-04	2.26E-04	2.26E-04	7.67E-08	2.32E-07	1.34E-07	1.37E-07	1.24E-07	5.55E-08	5.65E-08	2.56E-09	6.19E-08	1.37E-08	1.86E-08	2.95E-08	5.09E-09	3.73E-09	1.35E-07
4225	476363.09	3856377.25	1.98E-04	2.02E-04	2.02E-04	6.86E-08	2.07E-07	1.20E-07	1.22E-07	1.11E-07	4.96E-08	5.06E-08	2.29E-09	5.54E-08	1.22E-08	1.66E-08	2.64E-08	4.55E-09	3.34E-09	1.21E-07
4226	476863.09	3856377.25	1.97E-04	2.01E-04	2.01E-04	6.81E-08	2.06E-07	1.19E-07	1.22E-07	1.10E-07	4.93E-08	5.02E-08	2.28E-09	5.50E-08	1.21E-08	1.65E-08	2.62E-08	4.52E-09	3.31E-09	1.20E-07
4227	477363.09	3856377.25	2.05E-04	2.10E-04	2.09E-04	7.11E-08	2.15E-07	1.24E-07	1.27E-07	1.15E-07	5.14E-08	5.24E-08	2.37E-09	5.73E-08	1.27E-08	1.72E-08	2.73E-08	4.72E-09	3.46E-09	1.25E-07
4228	477863.09	3856377.25	1.44E-04	1.47E-04	1.47E-04	4.98E-08	1.50E-07	8.70E-08	8.88E-08	8.05E-08	3.60E-08	3.67E-08	1.66E-09	4.02E-08	8.86E-09	1.21E-08	1.91E-08	3.30E-09	2.42E-09	8.76E-08
4229	478363.09	3856377.25	1.15E-04	1.17E-04	1.17E-04	3.98E-08	1.20E-07	6.95E-08	7.10E-08	6.43E-08	2.88E-08	2.93E-08	1.33E-09	3.21E-08	7.08E-09	9.63E-09	1.53E-08	2.64E-09	1.93E-09	7.00E-08
4230	478863.09	3856377.25	2.75E-04	2.81E-04	2.80E-04	9.52E-08	2.87E-07	1.66E-07	1.70E-07	1.54E-07	6.88E-08	7.01E-08	3.18E-09	7.68E-08	1.69E-08	2.30E-08	3.66E-08	6.31E-09	4.63E-09	1.67E-07
4231	479363.09	3856377.25	3.56E-04	3.63E-04	3.62E-04	1.23E-07	3.72E-07	2.15E-07	2.20E-07	1.99E-07	8.90E-08	9.07E-08	4.11E-09	9.93E-08	2.19E-08	2.98E-08	4.73E-08	8.17E-09	5.98E-09	2.17E-07
4232	479863.09	3856377.25	5.30E-04	5.41E-04	5.40E-04	1.84E-07	5.54E-07	3.21E-07	3.27E-07	2.97E-07	1.33E-07	1.35E-07	6.13E-09	1.48E-07	3.27E-08	4.44E-08	7.05E-08	1.22E-08	8.92E-09	3.23E-07
4233	480363.09	3856377.25	6.80E-04	6.94E-04	6.93E-04	2.35E-07	7.11E-07	4.11E-07	4.20E-07	3.80E-07	1.70E-07	1.73E-07	7.86E-09	1.90E-07	4.19E-08	5.70E-08	9.04E-08	1.56E-08	1.14E-08	4.14E-07
4234	480863.09	3856377.25	7.66E-04	7.81E-04	7.81E-04	2.65E-07	8.00E-07	4.63E-07	4.73E-07	4.29E-07	1.92E-07	1.95E-07	8.85E-09	2.14E-07	4.72E-08	6.42E-08	1.02E-07	1.76E-08	1.29E-08	4.66E-07
4235	481363.09	3856377.25	8.22E-04	8.39E-04	8.38E-04	2.84E-07	8.59E-07	4.97E-07	5.07E-07	4.60E-07	2.06E-07	2.10E-07	9.50E-09	2.29E-07	5.06E-08	6.89E-08	1.09E-07	1.89E-08	1.38E-08	5.00E-07
4236	481863.09	3856377.25	8.55E-04	8.72E-04	8.71E-04	2.96E-07	8.93E-07	5.17E-07	5.28E-07	4.78E-07	2.14E-07	2.18E-07	9.88E-09	2.39E-07	5.27E-08	7.17E-08	1.14E-07	1.96E-08	1.44E-08	5.21E-07
4237	482363.09	3856377.25	8.48E-04	8.65E-04	8.64E-04	2.94E-07	8.86E-07	5.13E-07	5.24E-07	4.75E-07	2.12E-07	2.16E-07	9.80E-09	2.37E-07	5.23E-08	7.11E-08	1.13E-07	1.95E-08	1.43E-08	5.16E-07
4238	482863.09	3856377.25	8.50E-04	8.68E-04	8.67E-04	2.94E-07	8.89E-07	5.15E-07	5.25E-07	4.76E-07	2.13E-07	2.17E-07	9.83E-09	2.37E-07	5.24E-08	7.13E-08	1.13E-07	1.95E-08	1.43E-08	5.18E-07
4239	483363.09	3856377.25	8.68E-04	8.86E-04	8.85E-04	3.00E-07	9.07E-07	5.25E-07	5.36E-07	4.86E-07	2.17E-07	2.21E-07	1.00E-08	2.42E-07	5.35E-08	7.28E-08	1.15E-07	1.99E-08	1.46E-08	5.29E-07
4240	483863.09	3856377.25	8.83E-04	9.01E-04	8.99E-04	3.05E-07	9.22E-07	5.34E-07	5.45E-07	4.94E-07	2.21E-07	2.25E-07	1.02E-08	2.46E-07	5.44E-08	7.40E-08	1.17E-07	2.03E-08	1.48E-08	5.37E-07
4241	484363.09	3856377.25	9.04E-04	9.22E-04	9.21E-04	3.13E-07	9.45E-07	5.47E-07	5.58E-07	5.06E-07	2.26E-07	2.31E-07	1.05E-08	2.52E-07	5.57E-08	7.58E-08	1.20E-07	2.08E-08	1.52E-08	5.51E-07
4242	484863.09	3856377.25	9.30E-04	9.49E-04	9.48E-04	3.22E-07	9.72E-07	5.63E-07	5.74E-07	5.20E-07	2.33E-07	2.37E-07	1.07E-08	2.60E-07	5.73E-08	7.80E-08	1.24E-07	2.14E-08	1.56E-08	5.66E-07
4243	485363.09	3856377.25	9.36E-04	9.55E-04	9.54E-04	3.24E-07	9.78E-07	5.66E-07	5.78E-07	5.24E-07	2.34E-07	2.39E-07	1.08E-08	2.61E-07	5.76E-08	7.84E-08	1.24E-07	2.15E-08	1.57E-08	5.70E-07
4244	485863.09	3856377.25	9.21E-04	9.40E-04	9.39E-04	3.19E-07	9.63E-07	5.57E-07	5.69E-07	5.16E-07	2.31E-07	2.35E-07	1.06E-08	2.57E-07	5.68E-08	7.72E-08	1.22E-07	2.12E-08	1.55E-08	5.61E-07
4245	486363.09	3856377.25	9.04E-04	9.23E-04	9.22E-04	3.13E-07	9.45E-07	5.47E-07	5.58E-07	5.06E-07	2.26E-07	2.31E-07	1.05E-08	2.53E-07	5.57E-08	7.58E-08	1.20E-07	2.08E-08	1.52E-08	5.51E-07
4246	486863.09	3856377.25	8.89E-04	9.07E-04	9.06E-04	3.08E-07	9.29E-07	5.38E-07	5.49E-07	4.98E-07	2.22E-07	2.27E-07	1.03E-08	2.48E-07	5.48E-08	7.45E-08	1.18E-07	2.04E-08	1.50E-08	5.41E-07
4247	487363.09	3856377.25	8.88E-04	9.06E-04	9.05E-04	3.07E-07	9.28E-07	5.37E-07	5.48E-07	4.97E-07	2.22E-07	2.27E-07	1.03E-08	2.48E-07	5.47E-08	7.44E-08	1.18E-07	2.04E-08	1.49E-08	5.41E-07
4248	487863.09	3856377.25	8.98E-04	9.16E-04	9.15E-04	3.11E-07	9.38E-07	5.43E-07	5.54E-07	5.02E-07	2.25E-07	2.29E-07	1.04E-08	2.51E-07	5.53E-08	7.52E-08	1.19E-07	2.06E-08	1.51E-08	5.47E-07
4249	488363.09	3856377.25	8.94E-04	9.12E-04	9.11E-04	3.09E-07	9.34E-07	5.41E-07	5.52E-07	5.00E-07	2.24E-07	2.28E-07	1.03E-08	2.50E-07	5.51E-08	7.49E-08	1.19E-07	2.05E-08	1.50E-08	5.44E-07
4250	488863.09	3856377.25	9.16E-04	9.35E-04	9.34E-04	3.17E-07	9.58E-07	5.54E-07	5.66E-07	5.13E-07	2.29E-07	2.34E-07	1.06E-08	2.56E-07	5.64E-08	7.68E-08	1.22E-07	2.10E-08	1.54E-08	5.58E-07
4251	489363.09	3856377.25	9.20E-04	9.39E-04	9.38E-04	3.18E-07	9.62E-07	5.57E-07	5.68E-07	5.15E-07	2.30E-07	2.35E-07	1.06E-08	2.57E-07	5.67E-08	7.71E-08	1.22E-07	2.11E-08	1.55E-08	5.60E-07
4252	489863.09	3856377.25	9.09E-04	9.28E-04	9.27E-04	3.15E-07	9.50E-07	5.50E-07	5.61E-07	5.09E-07	2.28E-07	2.32E-07	1.05E-08	2.54E-07	5.60E-08	7.62E-08	1.21E-07	2.09E-08	1.53E-08	5.54E-07
4253	490363.09	3856377.25	8.86E-04	9.04E-04	9.03E-04	3.07E-07	9.26E-07	5.36E-07	5.47E-07	4.96E-07	2.22E-07	2.26E-07	1.02E-08	2.47E-07	5.46E-08	7.43E-08	1.18E-07	2.04E-08	1.49E-08	5.40E-07
4254	490863.09	3856377.25	8.53E-04	8.70E-04	8.69E-04	2.95E-07	8.92E-07	5.16E-07	5.27E-07	4.77E-07	2.13E-07	2.18E-07	9.86E-09	2.38E-07	5.26E-08	7.15E-08	1.13E-07	1.96E-08	1.44E-08	5.20E-07
4255	491363.09	3856377.25	8.24E-04	8.41E-04	8.40E-04	2.85E-07	8.61E-07	4.99E-07	5.09E-07	4.61E-07	2.06E-07	2.10E-07	9.53E-09	2.30E-07	5.08E-08	6.91E-08	1.10E-07	1.89E-08	1.39E-08	5.02E-07
4256	491863.09	3856377.25	7.93E-04	8.09E-04	8.08E-04	2.74E-07	8.28E-07	4.80E-07	4.89E-07	4.44E-07	1.98E-07	2.02E-07	9.16E-09	2.21E-07	4.88E-08	6.64E-08	1.05E-07	1.82E-08	1.33E-08	4.83E-07
4257	492363.09	3856377.25	7.53E-04	7.68E-04	7.67E-04	2.61E-07	7.87E-07	4.55E-07	4.65E-07	4.21E-07	1.88E-07	1.92E-07	8.70E-09	2.10E-07	4.64E-08	6.31E-08	1.00E-07	1.73E-08	1.27E-08	4.58E-07
4258	492863.09	3856377.25	6.86E-04	7.00E-04	6.99E-04	2.37E-07	7.17E-07	4.15E-07	4.24E-07	3.84E-07	1.72E-07	1.75E-07	7.93E-09	1.92E-07	4.23E-08	5.75E-08	9.12E-08	1.58E-08	1.15E-08	4.18E-07
4259	493363.09	3856377.25	5.27E-04	5.37E-04	5.37E-04	1.82E-07	5.50E-07	3.19E-07	3.25E-07	2.95E-07	1.32E-07	1.34E-07	6.09E-09	1.47E-07	3.24E-08	4.41E-08	7.00E-08	1.21E-08	8.86E-09	3.21E-07
4260	493863.09	3856377.25	4.44E-04	4.53E-04	4.52E-04	1.54E-07	4.64E-07	2.69E-07	2.74E-07	2.48E-07	1.11E-07	1.13E-07	5.13E-09	1.24E-07	2.73E-08	3.72E-08	5.90E-08	1.02E-08	7.47E-09	2.70E-07
4261	494363.09	3856377.25	3.43E-04	3.50E-04	3.49E-04	1.19E-07	3.58E-07	2.07E-07	2.12E-07	1.92E-07	8.58E-08	8.74E-08	3.96E-09	9.57E-08	2.11E-08	2.87E-08	4.56E-08	7.87E-09	5.77E-09	2.09E-07
4262	494863.09	3856377.25	2.75E-04	2.80E-04	2.80E-04	9.51E-08	2.87E-07	1.66E-07	1.70E-07	1.54E-07	6.87E-08	7.01E-08	3.17E-09	7.67E-08	1.69E-08	2.30E-08	3.65E-08	6.31E-09	4.62E-09	1.67E-07
4263	495363.09	3856377.25	2.40E-04	2.45E-04	2.44E-04	8.30E-08	2.51E-07	1.45E-07	1.48E-07	1.34E-07	6.00E-08	6.12E-08	2.77E-09	6.70E-08	1.48E-08	2.01E-08	3.19E-08	5.51E-09	4.04E-09	1.46E-07
4264	495863.09	3856377.25	2.44E-04	2.49E-04	2.48E-04	8.44E-08	2.55E-07	1.47E-07	1.50E-07	1.36E-07	6.10E-08	6.22E-08	2.82E-09	6.80E-08	1.50E-08	2.04E-08	3.24E-08	5.60E-09	4.10E-09	1.48E-07
4265	496363.09	3856377.25	2.59E-04	2.64E-04	2.64E-04	8.96E-08	2.70E-07	1.57E-07	1.60E-07	1.45E-07	6.47E-08	6.60E-08	2.99E-09	7.22E-08	1.59E-08	2.17E-08	3.44E-08	5.94E-09	4.35E-09	1.58E-07
4266	496863.09	3856377.25	2.91E-04	2.97E-04	2.97E-04	1.01E-07	3.04E-07	1.76E-07	1.80E-07	1.63E-07	7.29E-08	7.43E-08	3.37E-09	8.13E-08	1.79E-08	2.44E-08	3.87E-08	6.69E-09	4.90E-09	1.77E-07
4267	497363.09	3856377.25	3.23E-04	3.29E-04	3.29E-04	1.12E-07	3.37E-07	1.95E-07	1.99E-07	1.81E-07	8.08E-08	8.23E-08	3.73E-09	9.01E-08	1.99E-08	2.70E-08	4.29E-08	7.41E-09	5.43E-09	1.96E-07
4268	497863.09	3856377.25	3.67E-04	3.74E-04	3.74E-04	1.27E-07	3.83E-07	2.22E-07	2.26E-07	2.05E-07	9.17E-08	9.35E-08	4.24E-09	1.02E-07	2.26E-08	3.07E-08	4.87E-08	8.42E-09	6.17E-09	2.23E-07

4269	498363.09	3856377.25	4.21E-04	4.30E-04	4.29E-04	1.46E-07	4.40E-07	2.55E-07	2.60E-07	2.36E-07	1.05E-07	1.07E-07	4.87E-09	1.18E-07	2.60E-08	3.53E-08	5.60E-08	9.68E-09	7.09E-09	2.57E-07
4270	471363.09	3856877.25	3.50E-04	3.57E-04	3.56E-04	1.21E-07	3.66E-07	2.12E-07	2.16E-07	1.96E-07	8.75E-08	8.92E-08	4.04E-09	9.77E-08	2.16E-08	2.93E-08	4.65E-08	8.03E-09	5.88E-09	2.13E-07
4271	471863.09	3856877.25	3.59E-04	3.67E-04	3.66E-04	1.24E-07	3.76E-07	2.18E-07	2.22E-07	2.01E-07	9.00E-08	9.17E-08	4.16E-09	1.00E-07	2.21E-08	3.01E-08	4.78E-08	8.26E-09	6.05E-09	2.19E-07
4272	472363.09	3856877.25	3.79E-04	3.87E-04	3.86E-04	1.31E-07	3.96E-07	2.29E-07	2.34E-07	2.12E-07	9.48E-08	9.67E-08	4.38E-09	1.06E-07	2.33E-08	3.18E-08	5.04E-08	8.70E-09	6.38E-09	2.31E-07
4273	472863.09	3856877.25	3.97E-04	4.05E-04	4.04E-04	1.37E-07	4.15E-07	2.40E-07	2.45E-07	2.22E-07	9.93E-08	1.01E-07	4.58E-09	1.11E-07	2.44E-08	3.32E-08	5.27E-08	9.11E-09	6.67E-09	2.42E-07
4274	473363.09	3856877.25	4.30E-04	4.39E-04	4.38E-04	1.49E-07	4.49E-07	2.60E-07	2.65E-07	2.41E-07	1.08E-07	1.10E-07	4.97E-09	1.20E-07	2.65E-08	3.60E-08	5.72E-08	9.87E-09	7.23E-09	2.62E-07
4275	473863.09	3856877.25	4.49E-04	4.58E-04	4.57E-04	1.55E-07	4.69E-07	2.72E-07	2.77E-07	2.51E-07	1.12E-07	1.14E-07	5.19E-09	1.25E-07	2.77E-08	3.76E-08	5.97E-08	1.03E-08	7.55E-09	2.73E-07
4276	474363.09	3856877.25	4.38E-04	4.47E-04	4.46E-04	1.52E-07	4.58E-07	2.65E-07	2.70E-07	2.45E-07	1.10E-07	1.12E-07	5.06E-09	1.22E-07	2.70E-08	3.67E-08	5.82E-08	1.01E-08	7.37E-09	2.67E-07
4277	474863.09	3856877.25	4.10E-04	4.18E-04	4.18E-04	1.42E-07	4.28E-07	2.48E-07	2.53E-07	2.29E-07	1.03E-07	1.05E-07	4.74E-09	1.14E-07	2.53E-08	3.44E-08	5.45E-08	9.41E-09	6.90E-09	2.50E-07
4278	475363.09	3856877.25	3.49E-04	3.57E-04	3.56E-04	1.21E-07	3.65E-07	2.11E-07	2.16E-07	1.96E-07	8.75E-08	8.91E-08	4.04E-09	9.76E-08	2.15E-08	2.93E-08	4.65E-08	8.03E-09	5.88E-09	2.13E-07
4279	475863.09	3856877.25	3.41E-04	3.48E-04	3.48E-04	1.18E-07	3.57E-07	2.06E-07	2.11E-07	1.91E-07	8.54E-08	8.70E-08	3.94E-09	9.53E-08	2.10E-08	2.86E-08	4.54E-08	7.84E-09	5.74E-09	2.08E-07
4280	476363.09	3856877.25	2.89E-04	2.95E-04	2.95E-04	1.00E-07	3.02E-07	1.75E-07	1.79E-07	1.62E-07	7.24E-08	7.38E-08	3.34E-09	8.08E-08	1.78E-08	2.43E-08	3.85E-08	6.65E-09	4.87E-09	1.76E-07
4281	476863.09	3856877.25	2.71E-04	2.76E-04	2.76E-04	9.36E-08	2.83E-07	1.64E-07	1.67E-07	1.51E-07	6.77E-08	6.90E-08	3.13E-09	7.55E-08	1.67E-08	2.27E-08	3.60E-08	6.21E-09	4.55E-09	1.65E-07
4282	477363.09	3856877.25	2.25E-04	2.30E-04	2.29E-04	7.79E-08	2.35E-07	1.36E-07	1.39E-07	1.26E-07	5.63E-08	5.74E-08	2.60E-09	6.29E-08	1.39E-08	1.89E-08	2.99E-08	5.17E-09	3.79E-09	1.37E-07
4283	477863.09	3856877.25	1.29E-04	1.32E-04	1.32E-04	4.48E-08	1.35E-07	7.83E-08	7.99E-08	7.24E-08	3.24E-08	3.30E-08	1.50E-09	3.61E-08	7.97E-09	1.08E-08	1.72E-08	2.97E-09	2.18E-09	7.88E-08
4284	478363.09	3856877.25	1.03E-04	1.05E-04	1.05E-04	3.56E-08	1.07E-07	6.22E-08	6.35E-08	5.76E-08	2.57E-08	2.62E-08	1.19E-09	2.87E-08	6.34E-09	8.62E-09	1.37E-08	2.36E-09	1.73E-09	6.26E-08
4285	478863.09	3856877.25	1.37E-04	1.40E-04	1.40E-04	4.75E-08	1.44E-07	8.31E-08	8.48E-08	7.69E-08	3.44E-08	3.50E-08	1.59E-09	3.83E-08	8.46E-09	1.15E-08	1.83E-08	3.15E-09	2.31E-09	8.36E-08
4286	479363.09	3856877.25	1.96E-04	2.00E-04	2.00E-04	6.78E-08	2.05E-07	1.19E-07	1.21E-07	1.10E-07	4.90E-08	5.00E-08	2.27E-09	5.47E-08	1.21E-08	1.64E-08	2.61E-08	4.50E-09	3.30E-09	1.19E-07
4287	479863.09	3856877.25	4.62E-04	4.71E-04	4.71E-04	1.60E-07	4.83E-07	2.80E-07	2.85E-07	2.59E-07	1.16E-07	1.18E-07	5.34E-09	1.29E-07	2.85E-08	3.87E-08	6.14E-08	1.06E-08	7.77E-09	2.81E-07
4288	480363.09	3856877.25	6.06E-04	6.19E-04	6.18E-04	2.10E-07	6.34E-07	3.67E-07	3.74E-07	3.39E-07	1.52E-07	1.55E-07	7.01E-09	1.69E-07	3.74E-08	5.08E-08	8.06E-08	1.39E-08	1.02E-08	3.69E-07
4289	480863.09	3856877.25	7.05E-04	7.19E-04	7.18E-04	2.44E-07	7.36E-07	4.26E-07	4.35E-07	3.94E-07	1.76E-07	1.80E-07	8.14E-09	1.97E-07	4.34E-08	5.91E-08	9.37E-08	1.62E-08	1.19E-08	4.29E-07
4290	481363.09	3856877.25	7.50E-04	7.65E-04	7.64E-04	2.60E-07	7.84E-07	4.54E-07	4.63E-07	4.20E-07	1.88E-07	1.91E-07	8.67E-09	2.09E-07	4.62E-08	6.29E-08	9.97E-08	1.72E-08	1.26E-08	4.57E-07
4291	481863.09	3856877.25	7.75E-04	7.91E-04	7.90E-04	2.68E-07	8.10E-07	4.69E-07	4.79E-07	4.34E-07	1.94E-07	1.98E-07	8.96E-09	2.16E-07	4.78E-08	6.50E-08	1.03E-07	1.78E-08	1.30E-08	4.72E-07
4292	482363.09	3856877.25	7.73E-04	7.89E-04	7.88E-04	2.68E-07	8.08E-07	4.68E-07	4.77E-07	4.33E-07	1.94E-07	1.97E-07	8.94E-09	2.16E-07	4.76E-08	6.48E-08	1.03E-07	1.78E-08	1.30E-08	4.71E-07
4293	482863.09	3856877.25	7.70E-04	7.86E-04	7.85E-04	2.67E-07	8.05E-07	4.66E-07	4.76E-07	4.31E-07	1.93E-07	1.96E-07	8.90E-09	2.15E-07	4.75E-08	6.46E-08	1.02E-07	1.77E-08	1.30E-08	4.69E-07
4294	483363.09	3856877.25	7.81E-04	7.97E-04	7.96E-04	2.70E-07	8.16E-07	4.72E-07	4.82E-07	4.37E-07	1.95E-07	1.99E-07	9.03E-09	2.18E-07	4.81E-08	6.55E-08	1.04E-07	1.79E-08	1.31E-08	4.76E-07
4295	483863.09	3856877.25	7.91E-04	8.07E-04	8.06E-04	2.74E-07	8.27E-07	4.79E-07	4.88E-07	4.43E-07	1.98E-07	2.02E-07	9.14E-09	2.21E-07	4.87E-08	6.63E-08	1.05E-07	1.82E-08	1.33E-08	4.82E-07
4296	484363.09	3856877.25	8.05E-04	8.22E-04	8.21E-04	2.79E-07	8.42E-07	4.87E-07	4.97E-07	4.51E-07	2.02E-07	2.05E-07	9.31E-09	2.25E-07	4.96E-08	6.75E-08	1.07E-07	1.85E-08	1.35E-08	4.90E-07
4297	484863.09	3856877.25	8.42E-04	8.59E-04	8.58E-04	2.91E-07	8.80E-07	5.09E-07	5.20E-07	4.71E-07	2.11E-07	2.15E-07	9.73E-09	2.35E-07	5.19E-08	7.05E-08	1.12E-07	1.93E-08	1.42E-08	5.13E-07
4298	485363.09	3856877.25	8.83E-04	9.01E-04	9.00E-04	3.06E-07	9.23E-07	5.34E-07	5.45E-07	4.94E-07	2.21E-07	2.25E-07	1.02E-08	2.47E-07	5.44E-08	7.40E-08	1.17E-07	2.03E-08	1.49E-08	5.38E-07
4299	485863.09	3856877.25	9.00E-04	9.19E-04	9.17E-04	3.12E-07	9.41E-07	5.45E-07	5.56E-07	5.04E-07	2.25E-07	2.30E-07	1.04E-08	2.51E-07	5.55E-08	7.55E-08	1.20E-07	2.07E-08	1.51E-08	5.48E-07
4300	486363.09	3856877.25	8.43E-04	8.60E-04	8.59E-04	2.92E-07	8.81E-07	5.10E-07	5.20E-07	4.72E-07	2.11E-07	2.15E-07	9.74E-09	2.35E-07	5.19E-08	7.06E-08	1.12E-07	1.94E-08	1.42E-08	5.13E-07
4301	486863.09	3856877.25	8.81E-04	8.99E-04	8.98E-04	3.05E-07	9.21E-07	5.33E-07	5.44E-07	4.93E-07	2.21E-07	2.25E-07	1.02E-08	2.46E-07	5.43E-08	7.39E-08	1.17E-07	2.02E-08	1.48E-08	5.37E-07
4302	487363.09	3856877.25	9.05E-04	9.23E-04	9.22E-04	3.13E-07	9.46E-07	5.48E-07	5.59E-07	5.06E-07	2.26E-07	2.31E-07	1.05E-08	2.53E-07	5.58E-08	7.59E-08	1.20E-07	2.08E-08	1.52E-08	5.51E-07
4303	487863.09	3856877.25	9.18E-04	9.37E-04	9.36E-04	3.18E-07	9.60E-07	5.56E-07	5.67E-07	5.14E-07	2.30E-07	2.34E-07	1.06E-08	2.56E-07	5.66E-08	7.70E-08	1.22E-07	2.11E-08	1.54E-08	5.59E-07
4304	488363.09	3856877.25	9.10E-04	9.29E-04	9.28E-04	3.15E-07	9.51E-07	5.51E-07	5.62E-07	5.09E-07	2.28E-07	2.32E-07	1.05E-08	2.54E-07	5.61E-08	7.63E-08	1.21E-07	2.09E-08	1.53E-08	5.54E-07
4305	488863.09	3856877.25	8.97E-04	9.15E-04	9.14E-04	3.10E-07	9.37E-07	5.43E-07	5.54E-07	5.02E-07	2.24E-07	2.29E-07	1.04E-08	2.50E-07	5.52E-08	7.52E-08	1.19E-07	2.06E-08	1.51E-08	5.46E-07
4306	489363.09	3856877.25	8.95E-04	9.14E-04	9.13E-04	3.10E-07	9.36E-07	5.42E-07	5.53E-07	5.01E-07	2.24E-07	2.28E-07	1.04E-08	2.50E-07	5.52E-08	7.51E-08	1.19E-07	2.06E-08	1.51E-08	5.45E-07
4307	489863.09	3856877.25	8.89E-04	9.07E-04	9.06E-04	3.08E-07	9.29E-07	5.38E-07	5.49E-07	4.97E-07	2.22E-07	2.27E-07	1.03E-08	2.48E-07	5.48E-08	7.45E-08	1.18E-07	2.04E-08	1.50E-08	5.41E-07
4308	490363.09	3856877.25	8.69E-04	8.87E-04	8.86E-04	3.01E-07	9.09E-07	5.26E-07	5.37E-07	4.87E-07	2.18E-07	2.22E-07	1.00E-08	2.43E-07	5.36E-08	7.29E-08	1.16E-07	2.00E-08	1.46E-08	5.29E-07
4309	490863.09	3856877.25	8.56E-04	8.74E-04	8.73E-04	2.96E-07	8.95E-07	5.18E-07	5.29E-07	4.79E-07	2.14E-07	2.18E-07	9.90E-09	2.39E-07	5.28E-08	7.18E-08	1.14E-07	1.97E-08	1.44E-08	5.21E-07
4310	491363.09	3856877.25	8.30E-04	8.47E-04	8.46E-04	2.87E-07	8.68E-07	5.02E-07	5.13E-07	4.65E-07	2.08E-07	2.12E-07	9.60E-09	2.32E-07	5.11E-08	6.96E-08	1.10E-07	1.91E-08	1.40E-08	5.06E-07
4311	491863.09	3856877.25	8.02E-04	8.19E-04	8.18E-04	2.78E-07	8.39E-07	4.85E-07	4.95E-07	4.49E-07	2.01E-07	2.05E-07	9.27E-09	2.24E-07	4.94E-08	6.73E-08	1.07E-07	1.84E-08	1.35E-08	4.89E-07
4312	492363.09	3856877.25	7.11E-04	7.26E-04	7.25E-04	2.46E-07	7.43E-07	4.30E-07	4.39E-07	3.98E-07	1.78E-07	1.81E-07	8.22E-09	1.99E-07	4.38E-08	5.96E-08	9.46E-08	1.63E-08	1.20E-08	4.33E-07
4313	492863.09	3856877.25	6.31E-04	6.44E-04	6.44E-04	2.19E-07	6.60E-07	3.82E-07	3.90E-07	3.53E-07	1.58E-07	1.61E-07	7.30E-09	1.76E-07	3.89E-08	5.29E-08	8.40E-08	1.45E-08	1.06E-08	3.85E-07
4314	493363.09	3856877.25	5.29E-04	5.39E-04	5.39E-04	1.83E-07	5.53E-07	3.20E-07	3.26E-07	2.96E-07	1.32E-07	1.35E-07	6.11E-09	1.48E-07	3.26E-08	4.43E-08	7.03E-08	1.21E-08	8.89E-09	3.22E-07
4315	493863.09	3856877.25	4.06E-04	4.15E-04	4.14E-04	1.41E-07	4.25E-07	2.46E-07	2.51E-07	2.27E-07	1.02E-07	1.04E-07	4.70E-09	1.13E-07	2.50E-08	3.41E-08	5.40E-08	9.33E-09	6.84E-09	2.47E-07
4316	494363.09	3856877.25	3.17E-04	3.24E-04	3.23E-04	1.10E-07	3.32E-07	1.92E-07	1.96E-07	1.78E-07	7.94E-08	8.10E-08	3.67E-09	8.86E-08	1.96E-08	2.66E-08	4.22E-08	7.29E-09	5.34E-09	1.93E-07
4317	494863.09	3856877.25	2.89E-04	2.95E-04	2.95E-04	1.00E-07	3.02E-07	1.75E-07	1.78E-07	1.62E-07	7.23E-08	7.37E-08	3.34E-09	8.07E-08	1.78E-08	2.42E-08	3.84E-08	6.64E-09	4.86E-09	1.76E-07
4318	495363.09	3856877.25	2.80E-04	2.86E-04	2.85E-04	9.69E-08	2.93E-07	1.69E-07	1.73E-07	1.57E-07	7.01E-08	7.14E-08	3.24E-09	7.82E-08	1.72E-08	2.35E-08	3.72E-08	6.43E-09	4.71E-09	1.70E-07
4319	495863.09	3856877.25	2.91E-04	2.97E-04	2.96E-04	1.01E-07	3.04E-07	1.76E-07	1.80E-07	1.63E-07	7.28E-08	7.42E-08	3.36E-09	8.12E-08	1.79E-08	2.44E-08	3.87E-08	6.68E-09	4.89E-09	1.77E-07
4320	496363.09	3856877.25	3.05E-04	3.11E-04	3.11E-04	1.06E-07	3.19E-07	1.85E-07	1.88E-07	1.71E-07	7.63E-08	7.78E-08	3.53E-09	8.52E-08	1.88E-08	2.56E-08	4.06E-08	7.00E-09	5.13E-09	1.86E-07
4321	496863.09	3856877.25	3.29E-04	3.36E-04	3.35E-04	1.14E-07	3.44E-07	1.99E-07	2.03E-07	1.84E-07	8.23E-08	8.39E-08	3.80E-09	9.18E-08	2.03E-08	2.76E-08	4.37E-08	7.55E-09	5.53E-09	2.00E-07
4322	497363.09	3856877.25	3.64E-04	3.71E-04	3.71E-04	1.26E-07	3.80E-07	2.20E-07	2.25E-07	2.04E-07	9.11E-08	9.28E-08	4.21E-09	1.02E-07	2.24E-08	3.05E-08	4.84E-08	8.36E-09	6.12E-09	2.22E-07
4323	497863.09	3856877.25	4.26E-04	4.35E-04	4.34E-04	1.47E-07	4.45E-07	2.58E-07	2.63E-07	2.38E-07	1.07E-07	1.09E-07	4.93E-09	1.19E-07	2.63E-08	3.57E-08	5.67E-08	9.79E-09	7.17E-09	2.59E-07
4324	498363.09	3856877.25	4.99E-04	5.09E-04	5.09E-04	1.73E-07	5.22E-07	3.02E-07	3.08E-07	2.79E-07	1.25E-07	1.27E-07	5.77E-09	1.39E-07	3.08E-08	4.18E-08	6.64E-08	1.15E-08	8.40E-09	3.04E-07
4325	471363.09	3857377.25	3.42E-04	3.49E-04	3.48E-04	1.18E-07	3.57E-07	2.07E-07	2.11E-07	1.91E-07	8.55E-08	8.72E-08	3.95E-09	9.54E-08	2.11E-08	2.87E-08	4.55E-08	7.85E-09	5.75E-09	2.08E-07

4326	471863.09	3857377.25	3.49E-04	3.57E-04	3.56E-04	1.21E-07	3.65E-07	2.11E-07	2.16E-07	1.96E-07	8.75E-08	8.91E-08	4.04E-09	9.76E-08	2.15E-08	2.93E-08	4.65E-08	8.03E-09	5.88E-09	2.13E-07
4327	472363.09	3857377.25	3.63E-04	3.70E-04	3.70E-04	1.26E-07	3.79E-07	2.20E-07	2.24E-07	2.03E-07	9.09E-08	9.26E-08	4.20E-09	1.01E-07	2.24E-08	3.04E-08	4.83E-08	8.34E-09	6.11E-09	2.21E-07
4328	472863.09	3857377.25	3.80E-04	3.87E-04	3.87E-04	1.31E-07	3.97E-07	2.30E-07	2.34E-07	2.12E-07	9.50E-08	9.68E-08	4.39E-09	1.06E-07	2.34E-08	3.18E-08	5.05E-08	8.72E-09	6.39E-09	2.31E-07
4329	473363.09	3857377.25	4.02E-04	4.10E-04	4.09E-04	1.39E-07	4.20E-07	2.43E-07	2.48E-07	2.25E-07	1.01E-07	1.02E-07	4.64E-09	1.12E-07	2.47E-08	3.37E-08	5.34E-08	9.22E-09	6.76E-09	2.45E-07
4330	473863.09	3857377.25	4.29E-04	4.37E-04	4.37E-04	1.48E-07	4.48E-07	2.59E-07	2.65E-07	2.40E-07	1.07E-07	1.09E-07	4.96E-09	1.20E-07	2.64E-08	3.59E-08	5.70E-08	9.85E-09	7.21E-09	2.61E-07
4331	474363.09	3857377.25	4.08E-04	4.17E-04	4.16E-04	1.41E-07	4.27E-07	2.47E-07	2.52E-07	2.29E-07	1.02E-07	1.04E-07	4.72E-09	1.14E-07	2.52E-08	3.42E-08	5.43E-08	9.38E-09	6.87E-09	2.49E-07
4332	474863.09	3857377.25	3.25E-04	3.31E-04	3.31E-04	1.12E-07	3.39E-07	1.96E-07	2.00E-07	1.82E-07	8.13E-08	8.28E-08	3.75E-09	9.07E-08	2.00E-08	2.72E-08	4.32E-08	7.46E-09	5.46E-09	1.98E-07
4333	475363.09	3857377.25	2.17E-04	2.21E-04	2.21E-04	7.51E-08	2.27E-07	1.31E-07	1.34E-07	1.21E-07	5.43E-08	5.53E-08	2.51E-09	6.06E-08	1.34E-08	1.82E-08	2.88E-08	4.98E-09	3.65E-09	1.32E-07
4334	475863.09	3857377.25	1.92E-04	1.96E-04	1.96E-04	6.66E-08	2.01E-07	1.16E-07	1.19E-07	1.08E-07	4.82E-08	4.91E-08	2.22E-09	5.37E-08	1.19E-08	1.61E-08	2.56E-08	4.42E-09	3.24E-09	1.17E-07
4335	476363.09	3857377.25	2.55E-04	2.60E-04	2.60E-04	8.82E-08	2.66E-07	1.54E-07	1.57E-07	1.43E-07	6.38E-08	6.50E-08	2.95E-09	7.12E-08	1.57E-08	2.14E-08	3.39E-08	5.85E-09	4.29E-09	1.55E-07
4336	476863.09	3857377.25	2.66E-04	2.71E-04	2.71E-04	9.20E-08	2.78E-07	1.61E-07	1.64E-07	1.49E-07	6.65E-08	6.78E-08	3.07E-09	7.42E-08	1.64E-08	2.23E-08	3.53E-08	6.10E-09	4.47E-09	1.62E-07
4337	477363.09	3857377.25	2.23E-04	2.28E-04	2.28E-04	7.73E-08	2.33E-07	1.35E-07	1.38E-07	1.25E-07	5.59E-08	5.70E-08	2.58E-09	6.24E-08	1.38E-08	1.87E-08	2.97E-08	5.13E-09	3.76E-09	1.36E-07
4338	477863.09	3857377.25	1.51E-04	1.54E-04	1.54E-04	5.22E-08	1.58E-07	9.13E-08	9.31E-08	8.44E-08	3.78E-08	3.85E-08	1.74E-09	4.21E-08	9.30E-09	1.26E-08	2.01E-08	3.47E-09	2.54E-09	9.19E-08
4339	478363.09	3857377.25	9.96E-05	1.02E-04	1.02E-04	3.45E-08	1.04E-07	6.03E-08	6.15E-08	5.57E-08	2.49E-08	2.54E-08	1.15E-09	2.78E-08	6.14E-09	8.35E-09	1.32E-08	2.29E-09	1.68E-09	6.07E-08
4340	478863.09	3857377.25	7.75E-05	7.91E-05	7.90E-05	2.68E-08	8.10E-08	4.69E-08	4.78E-08	4.34E-08	1.94E-08	1.98E-08	8.96E-10	2.16E-08	4.77E-09	6.50E-09	1.03E-08	1.78E-09	1.30E-09	4.72E-08
4341	479363.09	3857377.25	1.41E-04	1.44E-04	1.44E-04	4.89E-08	1.48E-07	8.54E-08	8.71E-08	7.90E-08	3.53E-08	3.60E-08	1.63E-09	3.94E-08	8.70E-09	1.18E-08	1.88E-08	3.24E-09	2.37E-09	8.60E-08
4342	479863.09	3857377.25	3.84E-04	3.91E-04	3.91E-04	1.33E-07	4.01E-07	2.32E-07	2.37E-07	2.15E-07	9.60E-08	9.79E-08	4.43E-09	1.07E-07	2.36E-08	3.22E-08	5.10E-08	8.81E-09	6.46E-09	2.34E-07
4343	480363.09	3857377.25	3.14E-04	3.21E-04	3.20E-04	1.09E-07	3.29E-07	1.90E-07	1.94E-07	1.76E-07	7.87E-08	8.02E-08	3.63E-09	8.78E-08	1.94E-08	2.64E-08	4.18E-08	7.22E-09	5.29E-09	1.91E-07
4344	480863.09	3857377.25	6.44E-04	6.57E-04	6.57E-04	2.23E-07	6.73E-07	3.90E-07	3.98E-07	3.61E-07	1.61E-07	1.64E-07	7.45E-09	1.80E-07	3.97E-08	5.40E-08	8.57E-08	1.48E-08	1.08E-08	3.92E-07
4345	481363.09	3857377.25	6.44E-04	6.57E-04	6.56E-04	2.23E-07	6.73E-07	3.90E-07	3.98E-07	3.60E-07	1.61E-07	1.64E-07	7.44E-09	1.80E-07	3.97E-08	5.40E-08	8.56E-08	1.48E-08	1.08E-08	3.92E-07
4346	481863.09	3857377.25	6.82E-04	6.96E-04	6.96E-04	2.36E-07	7.13E-07	4.13E-07	4.21E-07	3.82E-07	1.71E-07	1.74E-07	7.89E-09	1.91E-07	4.20E-08	5.72E-08	9.08E-08	1.57E-08	1.15E-08	4.16E-07
4347	482363.09	3857377.25	7.15E-04	7.29E-04	7.29E-04	2.47E-07	7.47E-07	4.33E-07	4.41E-07	4.00E-07	1.79E-07	1.82E-07	8.26E-09	2.00E-07	4.40E-08	5.99E-08	9.51E-08	1.64E-08	1.20E-08	4.35E-07
4348	482863.09	3857377.25	7.23E-04	7.38E-04	7.37E-04	2.50E-07	7.55E-07	4.37E-07	4.46E-07	4.05E-07	1.81E-07	1.84E-07	8.36E-09	2.02E-07	4.45E-08	6.06E-08	9.61E-08	1.66E-08	1.22E-08	4.40E-07
4349	483363.09	3857377.25	7.38E-04	7.53E-04	7.52E-04	2.56E-07	7.71E-07	4.47E-07	4.56E-07	4.13E-07	1.85E-07	1.88E-07	8.53E-09	2.06E-07	4.55E-08	6.19E-08	9.82E-08	1.70E-08	1.24E-08	4.50E-07
4350	483863.09	3857377.25	7.55E-04	7.70E-04	7.69E-04	2.61E-07	7.89E-07	4.57E-07	4.66E-07	4.23E-07	1.89E-07	1.93E-07	8.73E-09	2.11E-07	4.65E-08	6.33E-08	1.00E-07	1.73E-08	1.27E-08	4.60E-07
4351	484363.09	3857377.25	7.61E-04	7.77E-04	7.76E-04	2.63E-07	7.96E-07	4.61E-07	4.70E-07	4.26E-07	1.90E-07	1.94E-07	8.80E-09	2.13E-07	4.69E-08	6.38E-08	1.01E-07	1.75E-08	1.28E-08	4.64E-07
4352	484863.09	3857377.25	7.79E-04	7.95E-04	7.94E-04	2.70E-07	8.15E-07	4.72E-07	4.81E-07	4.36E-07	1.95E-07	1.99E-07	9.01E-09	2.18E-07	4.80E-08	6.53E-08	1.04E-07	1.79E-08	1.31E-08	4.75E-07
4353	485363.09	3857377.25	8.12E-04	8.29E-04	8.28E-04	2.81E-07	8.49E-07	4.92E-07	5.02E-07	4.55E-07	2.03E-07	2.07E-07	9.39E-09	2.27E-07	5.01E-08	6.81E-08	1.08E-07	1.87E-08	1.37E-08	4.95E-07
4354	485863.09	3857377.25	8.63E-04	8.80E-04	8.79E-04	2.99E-07	9.02E-07	5.22E-07	5.33E-07	4.83E-07	2.16E-07	2.20E-07	9.97E-09	2.41E-07	5.32E-08	7.23E-08	1.15E-07	1.98E-08	1.45E-08	5.25E-07
4355	486363.09	3857377.25	9.18E-04	9.37E-04	9.36E-04	3.18E-07	9.60E-07	5.56E-07	5.67E-07	5.14E-07	2.30E-07	2.34E-07	1.06E-08	2.56E-07	5.66E-08	7.70E-08	1.22E-07	2.11E-08	1.55E-08	5.59E-07
4356	486863.09	3857377.25	8.86E-04	9.04E-04	9.03E-04	3.07E-07	9.26E-07	5.36E-07	5.47E-07	4.96E-07	2.22E-07	2.26E-07	1.02E-08	2.47E-07	5.46E-08	7.43E-08	1.18E-07	2.04E-08	1.49E-08	5.40E-07
4357	487363.09	3857377.25	9.46E-04	9.65E-04	9.64E-04	3.27E-07	9.88E-07	5.72E-07	5.84E-07	5.29E-07	2.37E-07	2.41E-07	1.09E-08	2.64E-07	5.83E-08	7.93E-08	1.26E-07	2.17E-08	1.59E-08	5.76E-07
4358	487863.09	3857377.25	1.01E-03	1.03E-03	1.03E-03	3.49E-07	1.06E-06	6.11E-07	6.23E-07	5.65E-07	2.53E-07	2.58E-07	1.17E-08	2.82E-07	6.22E-08	8.46E-08	1.34E-07	2.32E-08	1.70E-08	6.15E-07
4359	488363.09	3857377.25	1.03E-03	1.05E-03	1.05E-03	3.55E-07	1.07E-06	6.21E-07	6.33E-07	5.74E-07	2.57E-07	2.62E-07	1.19E-08	2.86E-07	6.32E-08	8.60E-08	1.36E-07	2.36E-08	1.73E-08	6.25E-07
4360	488863.09	3857377.25	1.02E-03	1.04E-03	1.04E-03	3.54E-07	1.07E-06	6.19E-07	6.32E-07	5.73E-07	2.56E-07	2.61E-07	1.18E-08	2.86E-07	6.31E-08	8.58E-08	1.36E-07	2.35E-08	1.72E-08	6.23E-07
4361	489363.09	3857377.25	9.73E-04	9.93E-04	9.92E-04	3.37E-07	1.02E-06	5.89E-07	6.01E-07	5.45E-07	2.44E-07	2.48E-07	1.12E-08	2.72E-07	5.99E-08	8.16E-08	1.29E-07	2.23E-08	1.64E-08	5.93E-07
4362	489863.09	3857377.25	9.31E-04	9.50E-04	9.48E-04	3.22E-07	9.73E-07	5.63E-07	5.75E-07	5.21E-07	2.33E-07	2.37E-07	1.08E-08	2.60E-07	5.73E-08	7.80E-08	1.24E-07	2.14E-08	1.57E-08	5.67E-07
4363	490363.09	3857377.25	9.08E-04	9.27E-04	9.26E-04	3.14E-07	9.49E-07	5.49E-07	5.61E-07	5.08E-07	2.27E-07	2.32E-07	1.05E-08	2.54E-07	5.60E-08	7.61E-08	1.21E-07	2.09E-08	1.53E-08	5.53E-07
4364	490863.09	3857377.25	9.03E-04	9.22E-04	9.20E-04	3.13E-07	9.44E-07	5.46E-07	5.58E-07	5.05E-07	2.26E-07	2.30E-07	1.04E-08	2.52E-07	5.56E-08	7.57E-08	1.20E-07	2.07E-08	1.52E-08	5.50E-07
4365	491363.09	3857377.25	9.11E-04	9.29E-04	9.28E-04	3.15E-07	9.52E-07	5.51E-07	5.62E-07	5.10E-07	2.28E-07	2.32E-07	1.05E-08	2.54E-07	5.61E-08	7.63E-08	1.21E-07	2.09E-08	1.53E-08	5.54E-07
4366	491863.09	3857377.25	8.79E-04	8.97E-04	8.96E-04	3.04E-07	9.18E-07	5.32E-07	5.43E-07	4.92E-07	2.20E-07	2.24E-07	1.02E-08	2.45E-07	5.41E-08	7.37E-08	1.17E-07	2.02E-08	1.48E-08	5.35E-07
4367	492363.09	3857377.25	7.48E-04	7.64E-04	7.63E-04	2.59E-07	7.82E-07	4.53E-07	4.62E-07	4.19E-07	1.87E-07	1.91E-07	8.65E-09	2.09E-07	4.61E-08	6.27E-08	9.95E-08	1.72E-08	1.26E-08	4.56E-07
4368	492863.09	3857377.25	6.24E-04	6.37E-04	6.36E-04	2.16E-07	6.52E-07	3.77E-07	3.85E-07	3.49E-07	1.56E-07	1.59E-07	7.21E-09	1.74E-07	3.84E-08	5.23E-08	8.30E-08	1.43E-08	1.05E-08	3.80E-07
4369	493363.09	3857377.25	4.86E-04	4.96E-04	4.95E-04	1.68E-07	5.08E-07	2.94E-07	3.00E-07	2.72E-07	1.22E-07	1.24E-07	5.62E-09	1.36E-07	2.99E-08	4.07E-08	6.46E-08	1.12E-08	8.18E-09	2.96E-07
4370	493863.09	3857377.25	4.39E-04	4.48E-04	4.48E-04	1.52E-07	4.59E-07	2.66E-07	2.71E-07	2.46E-07	1.10E-07	1.12E-07	5.08E-09	1.23E-07	2.71E-08	3.68E-08	5.84E-08	1.01E-08	7.39E-09	2.68E-07
4371	494363.09	3857377.25	3.93E-04	4.01E-04	4.00E-04	1.36E-07	4.11E-07	2.38E-07	2.43E-07	2.20E-07	9.83E-08	1.00E-07	4.54E-09	1.10E-07	2.42E-08	3.29E-08	5.22E-08	9.02E-09	6.61E-09	2.39E-07
4372	494863.09	3857377.25	3.81E-04	3.89E-04	3.88E-04	1.32E-07	3.98E-07	2.31E-07	2.35E-07	2.13E-07	9.54E-08	9.72E-08	4.40E-09	1.06E-07	2.35E-08	3.19E-08	5.07E-08	8.75E-09	6.41E-09	2.32E-07
4373	495363.09	3857377.25	3.73E-04	3.80E-04	3.80E-04	1.29E-07	3.90E-07	2.26E-07	2.30E-07	2.09E-07	9.33E-08	9.51E-08	4.31E-09	1.04E-07	2.30E-08	3.12E-08	4.96E-08	8.56E-09	6.27E-09	2.27E-07
4374	495863.09	3857377.25	3.84E-04	3.91E-04	3.91E-04	1.33E-07	4.01E-07	2.32E-07	2.37E-07	2.15E-07	9.60E-08	9.79E-08	4.43E-09	1.07E-07	2.36E-08	3.22E-08	5.10E-08	8.81E-09	6.46E-09	2.34E-07
4375	496363.09	3857377.25	3.98E-04	4.06E-04	4.05E-04	1.38E-07	4.16E-07	2.41E-07	2.46E-07	2.23E-07	9.96E-08	1.01E-07	4.60E-09	1.11E-07	2.45E-08	3.33E-08	5.29E-08	9.14E-09	6.69E-09	2.42E-07
4376	496863.09	3857377.25	4.15E-04	4.23E-04	4.23E-04	1.44E-07	4.34E-07	2.51E-07	2.56E-07	2.32E-07	1.04E-07	1.06E-07	4.80E-09	1.16E-07	2.56E-08	3.48E-08	5.52E-08	9.53E-09	6.98E-09	2.53E-07
4377	497363.09	3857377.25	4.48E-04	4.57E-04	4.56E-04	1.55E-07	4.68E-07	2.71E-07	2.77E-07	2.51E-07	1.12E-07	1.14E-07	5.18E-09	1.25E-07	2.76E-08	3.75E-08	5.96E-08	1.03E-08	7.54E-09	2.73E-07
4378	497863.09	3857377.25	4.98E-04	5.08E-04	5.08E-04	1.72E-07	5.20E-07	3.01E-07	3.07E-07	2.79E-07	1.25E-07	1.27E-07	5.76E-09	1.39E-07	3.07E-08	4.17E-08	6.62E-08	1.14E-08	8.38E-09	3.03E-07
4379	498363.09	3857377.25	6.10E-04	6.22E-04	6.21E-04	2.11E-07	6.37E-07	3.69E-07	3.76E-07	3.41E-07	1.53E-07	1.56E-07	7.05E-09	1.70E-07	3.76E-08	5.11E-08	8.11E-08	1.40E-08	1.03E-08	3.71E-07
4380	471363.09	3857877.25	3.28E-04	3.34E-04	3.34E-04	1.13E-07	3.42E-07	1.98E-07	2.02E-07	1.83E-07	8.20E-08	8.36E-08	3.79E-09	9.15E-08	2.02E-08	2.75E-08	4.36E-08	7.53E-09	5.51E-09	2.00E-07
4381	471863.09	3857877.25	3.37E-04	3.44E-04	3.43E-04	1.17E-07	3.52E-07	2.04E-07	2.08E-07	1.89E-07	8.43E-08	8.59E-08	3.89E-09	9.40E-08	2.08E-08	2.82E-08	4.48E-08	7.74E-09	5.67E-09	2.05E-07
4382	472363.09	3857877.25	3.49E-04	3.56E-04	3.56E-04	1.21E-07	3.65E-07	2.11E-07	2.16E-07	1.95E-07	8.74E-08	8.91E-08	4.04E-09	9.75E-08	2.15E-08	2.93E-08	4.64E-08	8.02E-09	5.88E-09	2.13E-07

4383	472863.09	3857877.25	3.69E-04	3.77E-04	3.76E-04	1.28E-07	3.86E-07	2.23E-07	2.28E-07	2.07E-07	9.24E-08	9.42E-08	4.27E-09	1.03E-07	2.27E-08	3.10E-08	4.91E-08	8.48E-09	6.21E-09	2.25E-07
4384	473363.09	3857877.25	3.82E-04	3.90E-04	3.90E-04	1.32E-07	3.99E-07	2.31E-07	2.36E-07	2.14E-07	9.56E-08	9.75E-08	4.42E-09	1.07E-07	2.35E-08	3.20E-08	5.08E-08	8.78E-09	6.43E-09	2.33E-07
4385	473863.09	3857877.25	4.01E-04	4.09E-04	4.08E-04	1.39E-07	4.19E-07	2.42E-07	2.47E-07	2.24E-07	1.00E-07	1.02E-07	4.63E-09	1.12E-07	2.47E-08	3.36E-08	5.33E-08	9.20E-09	6.74E-09	2.44E-07
4386	474363.09	3857877.25	3.74E-04	3.82E-04	3.81E-04	1.30E-07	3.91E-07	2.26E-07	2.31E-07	2.09E-07	9.37E-08	9.55E-08	4.33E-09	1.04E-07	2.31E-08	3.14E-08	4.98E-08	8.60E-09	6.30E-09	2.28E-07
4387	474863.09	3857877.25	2.89E-04	2.95E-04	2.95E-04	1.00E-07	3.02E-07	1.75E-07	1.79E-07	1.62E-07	7.24E-08	7.38E-08	3.34E-09	8.08E-08	1.78E-08	2.43E-08	3.85E-08	6.65E-09	4.87E-09	1.76E-07
4388	475363.09	3857877.25	1.52E-04	1.55E-04	1.55E-04	5.26E-08	1.59E-07	9.20E-08	9.39E-08	8.51E-08	3.81E-08	3.88E-08	1.76E-09	4.25E-08	9.37E-09	1.27E-08	2.02E-08	3.49E-09	2.56E-09	9.26E-08
4389	475863.09	3857877.25	5.30E-05	5.41E-05	5.41E-05	1.84E-08	5.54E-08	3.21E-08	3.27E-08	2.97E-08	1.33E-08	1.35E-08	6.13E-10	1.48E-08	3.27E-09	4.45E-09	7.05E-09	1.22E-09	8.92E-10	3.23E-08
4390	476363.09	3857877.25	1.68E-04	1.71E-04	1.71E-04	5.80E-08	1.75E-07	1.01E-07	1.04E-07	9.38E-08	4.20E-08	4.28E-08	1.94E-09	4.68E-08	1.03E-08	1.41E-08	2.23E-08	3.85E-09	2.82E-09	1.02E-07
4391	476863.09	3857877.25	2.09E-04	2.13E-04	2.13E-04	7.22E-08	2.18E-07	1.26E-07	1.29E-07	1.17E-07	5.22E-08	5.32E-08	2.41E-09	5.83E-08	1.29E-08	1.75E-08	2.77E-08	4.79E-09	3.51E-09	1.27E-07
4392	477363.09	3857877.25	1.99E-04	2.03E-04	2.03E-04	6.90E-08	2.08E-07	1.21E-07	1.23E-07	1.11E-07	4.99E-08	5.08E-08	2.30E-09	5.56E-08	1.23E-08	1.67E-08	2.65E-08	4.58E-09	3.35E-09	1.21E-07
4393	477863.09	3857877.25	1.84E-04	1.87E-04	1.87E-04	6.35E-08	1.92E-07	1.11E-07	1.13E-07	1.03E-07	4.59E-08	4.68E-08	2.12E-09	5.13E-08	1.13E-08	1.54E-08	2.44E-08	4.22E-09	3.09E-09	1.12E-07
4394	478363.09	3857877.25	8.25E-05	8.42E-05	8.41E-05	2.86E-08	8.62E-08	4.99E-08	5.09E-08	4.62E-08	2.06E-08	2.10E-08	9.54E-10	2.30E-08	5.08E-09	6.92E-09	1.10E-08	1.89E-09	1.39E-09	5.02E-08
4395	478863.09	3857877.25	6.22E-05	6.34E-05	6.34E-05	2.15E-08	6.50E-08	3.76E-08	3.84E-08	3.48E-08	1.56E-08	1.59E-08	7.19E-10	1.74E-08	3.83E-09	5.21E-09	8.27E-09	1.43E-09	1.05E-09	3.79E-08
4396	479363.09	3857877.25	3.54E-04	3.61E-04	3.60E-04	1.22E-07	3.70E-07	2.14E-07	2.18E-07	1.98E-07	8.85E-08	9.02E-08	4.09E-09	9.87E-08	2.18E-08	2.96E-08	4.70E-08	8.12E-09	5.95E-09	2.15E-07
4397	479863.09	3857877.25	5.27E-04	5.38E-04	5.38E-04	1.83E-07	5.51E-07	3.19E-07	3.26E-07	2.95E-07	1.32E-07	1.35E-07	6.10E-09	1.47E-07	3.25E-08	4.42E-08	7.01E-08	1.21E-08	8.87E-09	3.21E-07
4398	480363.09	3857877.25	5.79E-04	5.91E-04	5.90E-04	2.00E-07	6.05E-07	3.50E-07	3.57E-07	3.24E-07	1.45E-07	1.48E-07	6.69E-09	1.62E-07	3.57E-08	4.85E-08	7.70E-08	1.33E-08	9.74E-09	3.52E-07
4399	480863.09	3857877.25	5.90E-04	6.02E-04	6.01E-04	2.04E-07	6.16E-07	3.57E-07	3.64E-07	3.30E-07	1.48E-07	1.50E-07	6.82E-09	1.65E-07	3.63E-08	4.94E-08	7.84E-08	1.35E-08	9.92E-09	3.59E-07
4400	481363.09	3857877.25	6.08E-04	6.21E-04	6.20E-04	2.11E-07	6.36E-07	3.68E-07	3.76E-07	3.41E-07	1.52E-07	1.55E-07	7.03E-09	1.70E-07	3.75E-08	5.10E-08	8.09E-08	1.40E-08	1.02E-08	3.71E-07
4401	481863.09	3857877.25	6.28E-04	6.41E-04	6.40E-04	2.17E-07	6.57E-07	3.80E-07	3.88E-07	3.52E-07	1.57E-07	1.60E-07	7.26E-09	1.75E-07	3.87E-08	5.27E-08	8.35E-08	1.44E-08	1.06E-08	3.83E-07
4402	482363.09	3857877.25	6.64E-04	6.77E-04	6.76E-04	2.30E-07	6.94E-07	4.02E-07	4.10E-07	3.71E-07	1.66E-07	1.69E-07	7.67E-09	1.85E-07	4.09E-08	5.56E-08	8.82E-08	1.52E-08	1.12E-08	4.04E-07
4403	482863.09	3857877.25	6.79E-04	6.93E-04	6.93E-04	2.35E-07	7.10E-07	4.11E-07	4.20E-07	3.80E-07	1.70E-07	1.73E-07	7.85E-09	1.90E-07	4.19E-08	5.70E-08	9.04E-08	1.56E-08	1.14E-08	4.14E-07
4404	483363.09	3857877.25	7.02E-04	7.16E-04	7.15E-04	2.43E-07	7.33E-07	4.25E-07	4.33E-07	3.93E-07	1.76E-07	1.79E-07	8.11E-09	1.96E-07	4.32E-08	5.88E-08	9.33E-08	1.61E-08	1.18E-08	4.27E-07
4405	483863.09	3857877.25	7.30E-04	7.45E-04	7.44E-04	2.53E-07	7.63E-07	4.42E-07	4.51E-07	4.09E-07	1.83E-07	1.86E-07	8.44E-09	2.04E-07	4.50E-08	6.12E-08	9.71E-08	1.68E-08	1.23E-08	4.45E-07
4406	484363.09	3857877.25	7.53E-04	7.69E-04	7.68E-04	2.61E-07	7.88E-07	4.56E-07	4.65E-07	4.22E-07	1.89E-07	1.92E-07	8.71E-09	2.10E-07	4.64E-08	6.32E-08	1.00E-07	1.73E-08	1.27E-08	4.59E-07
4407	484863.09	3857877.25	7.83E-04	7.99E-04	7.98E-04	2.71E-07	8.19E-07	4.74E-07	4.84E-07	4.38E-07	1.96E-07	2.00E-07	9.05E-09	2.19E-07	4.83E-08	6.57E-08	1.04E-07	1.80E-08	1.32E-08	4.77E-07
4408	485363.09	3857877.25	8.20E-04	8.37E-04	8.36E-04	2.84E-07	8.57E-07	4.96E-07	5.06E-07	4.59E-07	2.05E-07	2.09E-07	9.48E-09	2.29E-07	5.05E-08	6.88E-08	1.09E-07	1.88E-08	1.38E-08	5.00E-07
4409	485863.09	3857877.25	8.55E-04	8.72E-04	8.71E-04	2.96E-07	8.93E-07	5.17E-07	5.28E-07	4.78E-07	2.14E-07	2.18E-07	9.88E-09	2.39E-07	5.26E-08	7.16E-08	1.14E-07	1.96E-08	1.44E-08	5.20E-07
4410	486363.09	3857877.25	9.04E-04	9.22E-04	9.21E-04	3.13E-07	9.45E-07	5.47E-07	5.58E-07	5.06E-07	2.26E-07	2.31E-07	1.05E-08	2.52E-07	5.57E-08	7.58E-08	1.20E-07	2.08E-08	1.52E-08	5.51E-07
4411	486863.09	3857877.25	1.01E-03	1.03E-03	1.03E-03	3.48E-07	1.05E-06	6.09E-07	6.21E-07	5.63E-07	2.52E-07	2.57E-07	1.16E-08	2.81E-07	6.20E-08	8.43E-08	1.34E-07	2.31E-08	1.69E-08	6.13E-07
4412	487363.09	3857877.25	1.12E-03	1.15E-03	1.14E-03	3.89E-07	1.17E-06	6.79E-07	6.93E-07	6.28E-07	2.81E-07	2.86E-07	1.30E-08	3.13E-07	6.92E-08	9.41E-08	1.49E-07	2.58E-08	1.89E-08	6.84E-07
4413	487863.09	3857877.25	1.20E-03	1.22E-03	1.22E-03	4.14E-07	1.25E-06	7.23E-07	7.38E-07	6.69E-07	2.99E-07	3.05E-07	1.38E-08	3.34E-07	7.36E-08	1.00E-07	1.59E-07	2.75E-08	2.01E-08	7.28E-07
4414	488363.09	3857877.25	1.32E-03	1.34E-03	1.34E-03	4.56E-07	1.38E-06	7.97E-07	8.13E-07	7.37E-07	3.30E-07	3.36E-07	1.52E-08	3.68E-07	8.12E-08	1.10E-07	1.75E-07	3.03E-08	2.22E-08	8.02E-07
4415	488863.09	3857877.25	1.36E-03	1.39E-03	1.39E-03	4.72E-07	1.43E-06	8.26E-07	8.43E-07	7.64E-07	3.42E-07	3.48E-07	1.58E-08	3.81E-07	8.41E-08	1.14E-07	1.81E-07	3.13E-08	2.30E-08	8.31E-07
4416	489363.09	3857877.25	1.25E-03	1.27E-03	1.27E-03	4.32E-07	1.31E-06	7.56E-07	7.71E-07	6.99E-07	3.13E-07	3.19E-07	1.44E-08	3.49E-07	7.69E-08	1.05E-07	1.66E-07	2.87E-08	2.10E-08	7.61E-07
4417	489863.09	3857877.25	1.15E-03	1.18E-03	1.18E-03	3.99E-07	1.21E-06	6.98E-07	7.12E-07	6.46E-07	2.89E-07	2.94E-07	1.33E-08	3.22E-07	7.11E-08	9.67E-08	1.53E-07	2.65E-08	1.94E-08	7.03E-07
4418	490363.09	3857877.25	1.14E-03	1.16E-03	1.16E-03	3.94E-07	1.19E-06	6.89E-07	7.03E-07	6.37E-07	2.85E-07	2.91E-07	1.32E-08	3.18E-07	7.02E-08	9.55E-08	1.51E-07	2.62E-08	1.92E-08	6.94E-07
4419	490863.09	3857877.25	1.18E-03	1.20E-03	1.20E-03	4.07E-07	1.23E-06	7.12E-07	7.26E-07	6.59E-07	2.94E-07	3.00E-07	1.36E-08	3.29E-07	7.25E-08	9.86E-08	1.56E-07	2.70E-08	1.98E-08	7.17E-07
4420	491363.09	3857877.25	1.12E-03	1.14E-03	1.14E-03	3.87E-07	1.17E-06	6.76E-07	6.90E-07	6.26E-07	2.80E-07	2.85E-07	1.29E-08	3.12E-07	6.89E-08	9.37E-08	1.49E-07	2.57E-08	1.88E-08	6.81E-07
4421	491863.09	3857877.25	1.02E-03	1.04E-03	1.04E-03	3.53E-07	1.06E-06	6.16E-07	6.29E-07	5.70E-07	2.55E-07	2.60E-07	1.18E-08	2.84E-07	6.28E-08	8.54E-08	1.35E-07	2.34E-08	1.71E-08	6.20E-07
4422	492363.09	3857877.25	8.37E-04	8.54E-04	8.53E-04	2.90E-07	8.75E-07	5.06E-07	5.17E-07	4.68E-07	2.09E-07	2.13E-07	9.67E-09	2.34E-07	5.16E-08	7.02E-08	1.11E-07	1.92E-08	1.41E-08	5.10E-07
4423	492863.09	3857877.25	6.87E-04	7.01E-04	7.00E-04	2.38E-07	7.18E-07	4.16E-07	4.24E-07	3.84E-07	1.72E-07	1.75E-07	7.94E-09	1.92E-07	4.23E-08	5.76E-08	9.13E-08	1.58E-08	1.16E-08	4.18E-07
4424	493363.09	3857877.25	6.33E-04	6.46E-04	6.45E-04	2.19E-07	6.62E-07	3.83E-07	3.91E-07	3.54E-07	1.58E-07	1.62E-07	7.32E-09	1.77E-07	3.90E-08	5.31E-08	8.42E-08	1.45E-08	1.07E-08	3.86E-07
4425	493863.09	3857877.25	6.12E-04	6.25E-04	6.24E-04	2.12E-07	6.40E-07	3.70E-07	3.78E-07	3.43E-07	1.53E-07	1.56E-07	7.08E-09	1.71E-07	3.77E-08	5.13E-08	8.14E-08	1.41E-08	1.03E-08	3.73E-07
4426	494363.09	3857877.25	5.94E-04	6.06E-04	6.05E-04	2.06E-07	6.21E-07	3.59E-07	3.67E-07	3.32E-07	1.49E-07	1.51E-07	6.86E-09	1.66E-07	3.66E-08	4.98E-08	7.90E-08	1.36E-08	9.99E-09	3.62E-07
4427	494863.09	3857877.25	5.42E-04	5.53E-04	5.53E-04	1.88E-07	5.67E-07	3.28E-07	3.35E-07	3.03E-07	1.36E-07	1.38E-07	6.27E-09	1.51E-07	3.34E-08	4.55E-08	7.21E-08	1.25E-08	9.12E-09	3.30E-07
4428	495363.09	3857877.25	5.35E-04	5.46E-04	5.45E-04	1.85E-07	5.59E-07	3.24E-07	3.30E-07	2.99E-07	1.34E-07	1.36E-07	6.19E-09	1.49E-07	3.30E-08	4.49E-08	7.12E-08	1.23E-08	9.00E-09	3.26E-07
4429	495863.09	3857877.25	5.27E-04	5.37E-04	5.37E-04	1.82E-07	5.50E-07	3.19E-07	3.25E-07	2.95E-07	1.32E-07	1.34E-07	6.09E-09	1.47E-07	3.24E-08	4.41E-08	7.00E-08	1.21E-08	8.86E-09	3.21E-07
4430	496363.09	3857877.25	5.41E-04	5.52E-04	5.51E-04	1.87E-07	5.65E-07	3.27E-07	3.34E-07	3.03E-07	1.35E-07	1.38E-07	6.25E-09	1.51E-07	3.33E-08	4.54E-08	7.19E-08	1.24E-08	9.10E-09	3.29E-07
4431	496863.09	3857877.25	5.57E-04	5.69E-04	5.68E-04	1.93E-07	5.82E-07	3.37E-07	3.44E-07	3.12E-07	1.39E-07	1.42E-07	6.44E-09	1.56E-07	3.43E-08	4.67E-08	7.41E-08	1.28E-08	9.38E-09	3.39E-07
4432	497363.09	3857877.25	5.61E-04	5.72E-04	5.72E-04	1.94E-07	5.86E-07	3.39E-07	3.46E-07	3.14E-07	1.40E-07	1.43E-07	6.48E-09	1.57E-07	3.45E-08	4.70E-08	7.46E-08	1.29E-08	9.43E-09	3.41E-07
4433	497863.09	3857877.25	6.35E-04	6.48E-04	6.48E-04	2.20E-07	6.64E-07	3.84E-07	3.92E-07	3.56E-07	1.59E-07	1.62E-07	7.34E-09	1.77E-07	3.91E-08	5.33E-08	8.45E-08	1.46E-08	1.07E-08	3.87E-07
4434	498363.09	3857877.25	7.06E-04	7.21E-04	7.20E-04	2.44E-07	7.38E-07	4.27E-07	4.36E-07	3.95E-07	1.77E-07	1.80E-07	8.16E-09	1.97E-07	4.35E-08	5.92E-08	9.39E-08	1.62E-08	1.19E-08	4.30E-07
4435	471363.09	3858377.25	3.20E-04	3.27E-04	3.26E-04	1.11E-07	3.35E-07	1.94E-07	1.98E-07	1.79E-07	8.02E-08	8.17E-08	3.70E-09	8.94E-08	1.97E-08	2.69E-08	4.26E-08	7.36E-09	5.39E-09	1.95E-07
4436	471863.09	3858377.25	3.29E-04	3.36E-04	3.35E-04	1.14E-07	3.44E-07	1.99E-07	2.03E-07	1.84E-07	8.23E-08	8.39E-08	3.80E-09	9.18E-08	2.03E-08	2.76E-08	4.37E-08	7.55E-09	5.53E-09	2.00E-07
4437	472363.09	3858377.25	3.36E-04	3.43E-04	3.43E-04	1.16E-07	3.51E-07	2.03E-07	2.08E-07	1.88E-07	8.41E-08	8.58E-08	3.89E-09	9.39E-08	2.07E-08	2.82E-08	4.47E-08	7.72E-09	5.66E-09	2.05E-07
4438	472863.09	3858377.25	3.49E-04	3.56E-04	3.56E-04	1.21E-07	3.65E-07	2.11E-07	2.16E-07	1.95E-07	8.74E-08	8.91E-08	4.04E-09	9.75E-08	2.15E-08	2.93E-08	4.64E-08	8.02E-09	5.88E-09	2.13E-07
4439	473363.09	3858377.25	3.72E-04	3.79E-04	3.79E-04	1.29E-07	3.88E-07	2.25E-07	2.29E-07	2.08E-07	9.30E-08	9.48E-08	4.30E-09	1.04E-07	2.29E-08	3.11E-08	4.94E-08	8.53E-09	6.25E-09	2.26E-07

4440	473863.09	3858377.25	3.72E-04	3.79E-04	3.79E-04	1.29E-07	3.89E-07	2.25E-07	2.30E-07	2.08E-07	9.31E-08	9.49E-08	4.30E-09	1.04E-07	2.29E-08	3.12E-08	4.95E-08	8.54E-09	6.26E-09	2.26E-07
4441	474363.09	3858377.25	3.41E-04	3.48E-04	3.48E-04	1.18E-07	3.57E-07	2.06E-07	2.11E-07	1.91E-07	8.54E-08	8.70E-08	3.94E-09	9.53E-08	2.10E-08	2.86E-08	4.54E-08	7.84E-09	5.74E-09	2.08E-07
4442	474863.09	3858377.25	2.84E-04	2.90E-04	2.90E-04	9.84E-08	2.97E-07	1.72E-07	1.76E-07	1.59E-07	7.12E-08	7.25E-08	3.29E-09	7.94E-08	1.75E-08	2.38E-08	3.78E-08	6.53E-09	4.78E-09	1.73E-07
4443	475363.09	3858377.25	1.90E-04	1.94E-04	1.93E-04	6.57E-08	1.98E-07	1.15E-07	1.17E-07	1.06E-07	4.75E-08	4.84E-08	2.19E-09	5.30E-08	1.17E-08	1.59E-08	2.52E-08	4.36E-09	3.19E-09	1.16E-07
4444	475863.09	3858377.25	1.26E-04	1.28E-04	1.28E-04	4.36E-08	1.32E-07	7.61E-08	7.77E-08	7.04E-08	3.15E-08	3.21E-08	1.45E-09	3.51E-08	7.75E-09	1.05E-08	1.67E-08	2.89E-09	2.12E-09	7.66E-08
4445	476363.09	3858377.25	1.36E-04	1.39E-04	1.39E-04	4.71E-08	1.42E-07	8.24E-08	8.41E-08	7.62E-08	3.41E-08	3.47E-08	1.57E-09	3.80E-08	8.39E-09	1.14E-08	1.81E-08	3.13E-09	2.29E-09	8.29E-08
4446	476863.09	3858377.25	1.48E-04	1.51E-04	1.51E-04	5.12E-08	1.55E-07	8.95E-08	9.13E-08	8.28E-08	3.70E-08	3.77E-08	1.71E-09	4.13E-08	9.11E-09	1.24E-08	1.97E-08	3.40E-09	2.49E-09	9.01E-08
4447	477363.09	3858377.25	1.36E-04	1.38E-04	1.38E-04	4.69E-08	1.42E-07	8.20E-08	8.37E-08	7.59E-08	3.39E-08	3.46E-08	1.57E-09	3.78E-08	8.35E-09	1.14E-08	1.80E-08	3.11E-09	2.28E-09	8.25E-08
4448	477863.09	3858377.25	1.85E-04	1.89E-04	1.89E-04	6.41E-08	1.93E-07	1.12E-07	1.14E-07	1.04E-07	4.63E-08	4.72E-08	2.14E-09	5.17E-08	1.14E-08	1.55E-08	2.46E-08	4.25E-09	3.11E-09	1.13E-07
4449	478363.09	3858377.25	1.95E-04	1.99E-04	1.99E-04	6.74E-08	2.04E-07	1.18E-07	1.20E-07	1.09E-07	4.87E-08	4.97E-08	2.25E-09	5.44E-08	1.20E-08	1.63E-08	2.59E-08	4.47E-09	3.28E-09	1.19E-07
4450	478863.09	3858377.25	1.20E-04	1.22E-04	1.22E-04	4.15E-08	1.25E-07	7.26E-08	7.40E-08	6.71E-08	3.00E-08	3.06E-08	1.39E-09	3.35E-08	7.39E-09	1.01E-08	1.59E-08	2.75E-09	2.02E-09	7.30E-08
4451	479363.09	3858377.25	3.49E-04	3.57E-04	3.56E-04	1.21E-07	3.65E-07	2.11E-07	2.16E-07	1.96E-07	8.75E-08	8.91E-08	4.04E-09	9.76E-08	2.15E-08	2.93E-08	4.65E-08	8.03E-09	5.88E-09	2.13E-07
4452	479863.09	3858377.25	5.00E-04	5.11E-04	5.10E-04	1.73E-07	5.23E-07	3.03E-07	3.09E-07	2.80E-07	1.25E-07	1.28E-07	5.78E-09	1.40E-07	3.08E-08	4.19E-08	6.65E-08	1.15E-08	8.42E-09	3.05E-07
4453	480363.09	3858377.25	5.35E-04	5.46E-04	5.46E-04	1.85E-07	5.60E-07	3.24E-07	3.31E-07	3.00E-07	1.34E-07	1.37E-07	6.19E-09	1.49E-07	3.30E-08	4.49E-08	7.12E-08	1.23E-08	9.01E-09	3.26E-07
4454	480863.09	3858377.25	5.44E-04	5.55E-04	5.54E-04	1.88E-07	5.68E-07	3.29E-07	3.36E-07	3.04E-07	1.36E-07	1.39E-07	6.28E-09	1.52E-07	3.35E-08	4.56E-08	7.23E-08	1.25E-08	9.15E-09	3.31E-07
4455	481363.09	3858377.25	5.63E-04	5.75E-04	5.74E-04	1.95E-07	5.89E-07	3.41E-07	3.48E-07	3.15E-07	1.41E-07	1.44E-07	6.51E-09	1.57E-07	3.47E-08	4.72E-08	7.49E-08	1.29E-08	9.48E-09	3.43E-07
4456	481863.09	3858377.25	5.69E-04	5.81E-04	5.80E-04	1.97E-07	5.95E-07	3.44E-07	3.51E-07	3.19E-07	1.42E-07	1.45E-07	6.58E-09	1.59E-07	3.51E-08	4.77E-08	7.57E-08	1.31E-08	9.58E-09	3.47E-07
4457	482363.09	3858377.25	5.93E-04	6.05E-04	6.04E-04	2.05E-07	6.19E-07	3.59E-07	3.66E-07	3.32E-07	1.48E-07	1.51E-07	6.85E-09	1.65E-07	3.65E-08	4.97E-08	7.88E-08	1.36E-08	9.97E-09	3.61E-07
4458	482863.09	3858377.25	6.34E-04	6.47E-04	6.46E-04	2.19E-07	6.62E-07	3.84E-07	3.91E-07	3.55E-07	1.59E-07	1.62E-07	7.33E-09	1.77E-07	3.91E-08	5.31E-08	8.43E-08	1.46E-08	1.07E-08	3.86E-07
4459	483363.09	3858377.25	6.63E-04	6.77E-04	6.76E-04	2.30E-07	6.93E-07	4.01E-07	4.09E-07	3.71E-07	1.66E-07	1.69E-07	7.66E-09	1.85E-07	4.08E-08	5.56E-08	8.82E-08	1.52E-08	1.12E-08	4.04E-07
4460	483863.09	3858377.25	6.94E-04	7.08E-04	7.08E-04	2.40E-07	7.26E-07	4.20E-07	4.29E-07	3.89E-07	1.74E-07	1.77E-07	8.02E-09	1.94E-07	4.28E-08	5.82E-08	9.23E-08	1.59E-08	1.17E-08	4.23E-07
4461	484363.09	3858377.25	7.32E-04	7.47E-04	7.46E-04	2.53E-07	7.65E-07	4.43E-07	4.52E-07	4.10E-07	1.83E-07	1.87E-07	8.46E-09	2.04E-07	4.51E-08	6.14E-08	9.74E-08	1.68E-08	1.23E-08	4.46E-07
4462	484863.09	3858377.25	7.77E-04	7.93E-04	7.92E-04	2.69E-07	8.12E-07	4.70E-07	4.80E-07	4.35E-07	1.95E-07	1.98E-07	8.99E-09	2.17E-07	4.79E-08	6.52E-08	1.03E-07	1.79E-08	1.31E-08	4.73E-07
4463	485363.09	3858377.25	8.38E-04	8.55E-04	8.54E-04	2.90E-07	8.76E-07	5.07E-07	5.17E-07	4.69E-07	2.10E-07	2.14E-07	9.69E-09	2.34E-07	5.16E-08	7.03E-08	1.11E-07	1.92E-08	1.41E-08	5.10E-07
4464	485863.09	3858377.25	9.15E-04	9.33E-04	9.32E-04	3.17E-07	9.56E-07	5.53E-07	5.65E-07	5.12E-07	2.29E-07	2.33E-07	1.06E-08	2.55E-07	5.64E-08	7.67E-08	1.22E-07	2.10E-08	1.54E-08	5.57E-07
4465	486363.09	3858377.25	1.00E-03	1.02E-03	1.02E-03	3.47E-07	1.05E-06	6.07E-07	6.19E-07	5.61E-07	2.51E-07	2.56E-07	1.16E-08	2.80E-07	6.18E-08	8.40E-08	1.33E-07	2.30E-08	1.69E-08	6.10E-07
4466	486863.09	3858377.25	1.10E-03	1.12E-03	1.12E-03	3.82E-07	1.15E-06	6.67E-07	6.81E-07	6.17E-07	2.76E-07	2.81E-07	1.27E-08	3.08E-07	6.79E-08	9.24E-08	1.47E-07	2.53E-08	1.85E-08	6.71E-07
4467	487363.09	3858377.25	1.24E-03	1.26E-03	1.26E-03	4.28E-07	1.29E-06	7.48E-07	7.64E-07	6.92E-07	3.10E-07	3.16E-07	1.43E-08	3.45E-07	7.62E-08	1.04E-07	1.64E-07	2.84E-08	2.08E-08	7.53E-07
4468	487863.09	3858377.25	1.54E-03	1.58E-03	1.57E-03	5.34E-07	1.61E-06	9.34E-07	9.53E-07	8.64E-07	3.86E-07	3.94E-07	1.78E-08	4.31E-07	9.51E-08	1.29E-07	2.05E-07	3.55E-08	2.60E-08	9.40E-07
4469	488363.09	3858377.25	1.99E-03	2.03E-03	2.03E-03	6.88E-07	2.08E-06	1.20E-06	1.23E-06	1.11E-06	4.98E-07	5.07E-07	2.30E-08	5.55E-07	1.23E-07	1.67E-07	2.64E-07	4.57E-08	3.35E-08	1.21E-06
4470	488863.09	3858377.25	2.24E-03	2.29E-03	2.29E-03	7.76E-07	2.34E-06	1.36E-06	1.38E-06	1.25E-06	5.61E-07	5.72E-07	2.59E-08	6.26E-07	1.38E-07	1.88E-07	2.98E-07	5.15E-08	3.77E-08	1.37E-06
4471	489363.09	3858377.25	2.15E-03	2.19E-03	2.19E-03	7.44E-07	2.25E-06	1.30E-06	1.33E-06	1.20E-06	5.38E-07	5.48E-07	2.48E-08	6.00E-07	1.32E-07	1.80E-07	2.86E-07	4.93E-08	3.61E-08	1.31E-06
4472	489863.09	3858377.25	2.14E-03	2.18E-03	2.18E-03	7.40E-07	2.23E-06	1.29E-06	1.32E-06	1.20E-06	5.35E-07	5.45E-07	2.47E-08	5.97E-07	1.32E-07	1.79E-07	2.84E-07	4.91E-08	3.59E-08	1.30E-06
4473	490363.09	3858377.25	2.21E-03	2.25E-03	2.25E-03	7.65E-07	2.31E-06	1.34E-06	1.36E-06	1.24E-06	5.53E-07	5.63E-07	2.55E-08	6.17E-07	1.36E-07	1.85E-07	2.94E-07	5.07E-08	3.72E-08	1.35E-06
4474	490863.09	3858377.25	2.22E-03	2.26E-03	2.26E-03	7.67E-07	2.32E-06	1.34E-06	1.37E-06	1.24E-06	5.55E-07	5.65E-07	2.56E-08	6.19E-07	1.37E-07	1.86E-07	2.95E-07	5.09E-08	3.73E-08	1.35E-06
4475	491363.09	3858377.25	1.91E-03	1.95E-03	1.94E-03	6.60E-07	1.99E-06	1.15E-06	1.18E-06	1.07E-06	4.77E-07	4.86E-07	2.20E-08	5.32E-07	1.18E-07	1.60E-07	2.54E-07	4.38E-08	3.21E-08	1.16E-06
4476	491863.09	3858377.25	1.40E-03	1.43E-03	1.43E-03	4.84E-07	1.46E-06	8.46E-07	8.63E-07	7.83E-07	3.50E-07	3.57E-07	1.62E-08	3.90E-07	8.61E-08	1.17E-07	1.86E-07	3.21E-08	2.35E-08	8.51E-07
4477	492363.09	3858377.25	1.05E-03	1.07E-03	1.07E-03	3.62E-07	1.09E-06	6.33E-07	6.46E-07	5.86E-07	2.62E-07	2.67E-07	1.21E-08	2.92E-07	6.45E-08	8.77E-08	1.39E-07	2.40E-08	1.76E-08	6.37E-07
4478	492863.09	3858377.25	1.14E-03	1.17E-03	1.17E-03	3.96E-07	1.20E-06	6.92E-07	7.07E-07	6.41E-07	2.86E-07	2.92E-07	1.32E-08	3.20E-07	7.05E-08	9.59E-08	1.52E-07	2.63E-08	1.93E-08	6.97E-07
4479	493363.09	3858377.25	1.06E-03	1.08E-03	1.08E-03	3.67E-07	1.11E-06	6.42E-07	6.55E-07	5.94E-07	2.66E-07	2.71E-07	1.23E-08	2.96E-07	6.54E-08	8.89E-08	1.41E-07	2.44E-08	1.79E-08	6.46E-07
4480	493863.09	3858377.25	1.01E-03	1.03E-03	1.03E-03	3.51E-07	1.06E-06	6.14E-07	6.26E-07	5.67E-07	2.54E-07	2.59E-07	1.17E-08	2.83E-07	6.25E-08	8.50E-08	1.35E-07	2.33E-08	1.71E-08	6.17E-07
4481	494363.09	3858377.25	9.41E-04	9.60E-04	9.59E-04	3.26E-07	9.84E-07	5.69E-07	5.81E-07	5.27E-07	2.36E-07	2.40E-07	1.09E-08	2.63E-07	5.80E-08	7.89E-08	1.25E-07	2.16E-08	1.58E-08	5.73E-07
4482	494863.09	3858377.25	8.73E-04	8.91E-04	8.90E-04	3.02E-07	9.13E-07	5.28E-07	5.39E-07	4.89E-07	2.19E-07	2.23E-07	1.01E-08	2.44E-07	5.38E-08	7.32E-08	1.16E-07	2.01E-08	1.47E-08	5.32E-07
4483	495363.09	3858377.25	7.84E-04	8.00E-04	7.99E-04	2.71E-07	8.19E-07	4.74E-07	4.84E-07	4.39E-07	1.96E-07	2.00E-07	9.06E-09	2.19E-07	4.83E-08	6.57E-08	1.04E-07	1.80E-08	1.32E-08	4.77E-07
4484	495863.09	3858377.25	7.59E-04	7.75E-04	7.74E-04	2.63E-07	7.94E-07	4.59E-07	4.69E-07	4.25E-07	1.90E-07	1.94E-07	8.78E-09	2.12E-07	4.68E-08	6.37E-08	1.01E-07	1.74E-08	1.28E-08	4.62E-07
4485	496363.09	3858377.25	7.31E-04	7.46E-04	7.45E-04	2.53E-07	7.64E-07	4.42E-07	4.51E-07	4.09E-07	1.83E-07	1.86E-07	8.45E-09	2.04E-07	4.50E-08	6.13E-08	9.72E-08	1.68E-08	1.23E-08	4.45E-07
4486	496863.09	3858377.25	7.51E-04	7.66E-04	7.65E-04	2.60E-07	7.84E-07	4.54E-07	4.63E-07	4.20E-07	1.88E-07	1.91E-07	8.68E-09	2.10E-07	4.62E-08	6.29E-08	9.98E-08	1.72E-08	1.26E-08	4.57E-07
4487	497363.09	3858377.25	7.44E-04	7.59E-04	7.58E-04	2.57E-07	7.77E-07	4.50E-07	4.59E-07	4.16E-07	1.86E-07	1.90E-07	8.60E-09	2.08E-07	4.58E-08	6.23E-08	9.89E-08	1.71E-08	1.25E-08	4.53E-07
4488	497863.09	3858377.25	8.06E-04	8.22E-04	8.21E-04	2.79E-07	8.42E-07	4.88E-07	4.98E-07	4.51E-07	2.02E-07	2.06E-07	9.32E-09	2.25E-07	4.97E-08	6.76E-08	1.07E-07	1.85E-08	1.36E-08	4.91E-07
4489	498363.09	3858377.25	8.90E-04	9.08E-04	9.07E-04	3.08E-07	9.30E-07	5.38E-07	5.49E-07	4.98E-07	2.23E-07	2.27E-07	1.03E-08	2.48E-07	5.48E-08	7.46E-08	1.18E-07	2.04E-08	1.50E-08	5.42E-07
4490	471363.09	3858877.25	3.09E-04	3.15E-04	3.15E-04	1.07E-07	3.23E-07	1.87E-07	1.91E-07	1.73E-07	7.73E-08	7.88E-08	3.57E-09	8.62E-08	1.90E-08	2.59E-08	4.11E-08	7.09E-09	5.20E-09	1.88E-07
4491	471863.09	3858877.25	3.14E-04	3.21E-04	3.20E-04	1.09E-07	3.28E-07	1.90E-07	1.94E-07	1.76E-07	7.86E-08	8.01E-08	3.63E-09	8.77E-08	1.94E-08	2.63E-08	4.18E-08	7.21E-09	5.29E-09	1.91E-07
4492	472363.09	3858877.25	3.26E-04	3.33E-04	3.33E-04	1.13E-07	3.41E-07	1.98E-07	2.02E-07	1.83E-07	8.17E-08	8.33E-08	3.77E-09	9.12E-08	2.01E-08	2.74E-08	4.34E-08	7.50E-09	5.49E-09	1.99E-07
4493	472863.09	3858877.25	3.37E-04	3.44E-04	3.44E-04	1.17E-07	3.52E-07	2.04E-07	2.08E-07	1.89E-07	8.44E-08	8.60E-08	3.90E-09	9.41E-08	2.08E-08	2.83E-08	4.48E-08	7.74E-09	5.67E-09	2.05E-07
4494	473363.09	3858877.25	3.54E-04	3.61E-04	3.61E-04	1.23E-07	3.70E-07	2.14E-07	2.19E-07	1.98E-07	8.86E-08	9.03E-08	4.09E-09	9.89E-08	2.18E-08	2.97E-08	4.71E-08	8.13E-09	5.96E-09	2.16E-07
4495	473863.09	3858877.25	3.58E-04	3.65E-04	3.65E-04	1.24E-07	3.74E-07	2.17E-07	2.21E-07	2.00E-07	8.96E-08	9.13E-08	4.14E-09	1.00E-07	2.21E-08	3.00E-08	4.76E-08	8.22E-09	6.02E-09	2.18E-07
4496	474363.09	3858877.25	3.39E-04	3.46E-04	3.45E-04	1.17E-07	3.54E-07	2.05E-07	2.09E-07	1.90E-07	8.48E-08	8.64E-08	3.92E-09	9.46E-08	2.09E-08	2.84E-08	4.51E-08	7.78E-09	5.70E-09	2.06E-07

4497	474863.09	3858877.25	1.87E-04	1.91E-04	1.90E-04	6.47E-08	1.95E-07	1.13E-07	1.15E-07	1.05E-07	4.68E-08	4.77E-08	2.16E-09	5.22E-08	1.15E-08	1.57E-08	2.48E-08	4.29E-09	3.14E-09	1.14E-07
4498	475363.09	3858877.25	1.29E-04	1.32E-04	1.32E-04	4.47E-08	1.35E-07	7.81E-08	7.97E-08	7.22E-08	3.23E-08	3.29E-08	1.49E-09	3.60E-08	7.95E-09	1.08E-08	1.72E-08	2.96E-09	2.17E-09	7.86E-08
4499	475863.09	3858877.25	1.47E-04	1.50E-04	1.50E-04	5.08E-08	1.53E-07	8.88E-08	9.06E-08	8.21E-08	3.67E-08	3.74E-08	1.70E-09	4.10E-08	9.04E-09	1.23E-08	1.95E-08	3.37E-09	2.47E-09	8.94E-08
4500	476363.09	3858877.25	7.96E-05	8.12E-05	8.11E-05	2.75E-08	8.32E-08	4.81E-08	4.91E-08	4.45E-08	1.99E-08	2.03E-08	9.20E-10	2.22E-08	4.90E-09	6.67E-09	1.06E-08	1.83E-09	1.34E-09	4.85E-08
4501	476863.09	3858877.25	1.05E-04	1.07E-04	1.07E-04	3.63E-08	1.10E-07	6.35E-08	6.48E-08	5.87E-08	2.63E-08	2.68E-08	1.21E-09	2.93E-08	6.46E-09	8.79E-09	1.39E-08	2.41E-09	1.76E-09	6.39E-08
4502	477363.09	3858877.25	1.08E-04	1.10E-04	1.10E-04	3.72E-08	1.12E-07	6.51E-08	6.64E-08	6.02E-08	2.69E-08	2.74E-08	1.24E-09	3.00E-08	6.63E-09	9.02E-09	1.43E-08	2.47E-09	1.81E-09	6.55E-08
4503	477863.09	3858877.25	1.38E-04	1.40E-04	1.40E-04	4.76E-08	1.44E-07	8.33E-08	8.50E-08	7.70E-08	3.44E-08	3.51E-08	1.59E-09	3.84E-08	8.48E-09	1.15E-08	1.83E-08	3.16E-09	2.32E-09	8.38E-08
4504	478363.09	3858877.25	2.73E-04	2.78E-04	2.78E-04	9.45E-08	2.85E-07	1.65E-07	1.68E-07	1.53E-07	6.83E-08	6.96E-08	3.15E-09	7.62E-08	1.68E-08	2.29E-08	3.63E-08	6.27E-09	4.59E-09	1.66E-07
4505	478863.09	3858877.25	2.30E-04	2.35E-04	2.34E-04	7.96E-08	2.40E-07	1.39E-07	1.42E-07	1.29E-07	5.75E-08	5.86E-08	2.66E-09	6.42E-08	1.42E-08	1.93E-08	3.06E-08	5.28E-09	3.87E-09	1.40E-07
4506	479363.09	3858877.25	1.82E-04	1.86E-04	1.86E-04	6.31E-08	1.91E-07	1.10E-07	1.13E-07	1.02E-07	4.56E-08	4.65E-08	2.11E-09	5.09E-08	1.12E-08	1.53E-08	2.43E-08	4.19E-09	3.07E-09	1.11E-07
4507	479863.09	3858877.25	4.80E-04	4.90E-04	4.89E-04	1.66E-07	5.01E-07	2.90E-07	2.96E-07	2.68E-07	1.20E-07	1.22E-07	5.55E-09	1.34E-07	2.96E-08	4.02E-08	6.38E-08	1.10E-08	8.07E-09	2.92E-07
4508	480363.09	3858877.25	5.00E-04	5.10E-04	5.09E-04	1.73E-07	5.22E-07	3.02E-07	3.09E-07	2.80E-07	1.25E-07	1.27E-07	5.78E-09	1.40E-07	3.08E-08	4.19E-08	6.65E-08	1.15E-08	8.41E-09	3.04E-07
4509	480863.09	3858877.25	5.16E-04	5.26E-04	5.26E-04	1.79E-07	5.39E-07	3.12E-07	3.19E-07	2.89E-07	1.29E-07	1.32E-07	5.96E-09	1.44E-07	3.18E-08	4.33E-08	6.86E-08	1.19E-08	8.68E-09	3.14E-07
4510	481363.09	3858877.25	5.29E-04	5.40E-04	5.39E-04	1.83E-07	5.53E-07	3.20E-07	3.27E-07	2.96E-07	1.32E-07	1.35E-07	6.12E-09	1.48E-07	3.26E-08	4.44E-08	7.04E-08	1.22E-08	8.90E-09	3.22E-07
4511	481863.09	3858877.25	5.38E-04	5.49E-04	5.48E-04	1.86E-07	5.62E-07	3.26E-07	3.32E-07	3.01E-07	1.35E-07	1.37E-07	6.22E-09	1.50E-07	3.32E-08	4.51E-08	7.16E-08	1.24E-08	9.05E-09	3.28E-07
4512	482363.09	3858877.25	5.50E-04	5.61E-04	5.61E-04	1.90E-07	5.75E-07	3.33E-07	3.40E-07	3.08E-07	1.38E-07	1.40E-07	6.36E-09	1.54E-07	3.39E-08	4.61E-08	7.32E-08	1.26E-08	9.26E-09	3.35E-07
4513	482863.09	3858877.25	5.72E-04	5.83E-04	5.83E-04	1.98E-07	5.97E-07	3.46E-07	3.53E-07	3.20E-07	1.43E-07	1.46E-07	6.61E-09	1.60E-07	3.52E-08	4.79E-08	7.60E-08	1.31E-08	9.62E-09	3.48E-07
4514	483363.09	3858877.25	6.18E-04	6.31E-04	6.30E-04	2.14E-07	6.46E-07	3.74E-07	3.82E-07	3.46E-07	1.55E-07	1.58E-07	7.14E-09	1.73E-07	3.81E-08	5.18E-08	8.22E-08	1.42E-08	1.04E-08	3.76E-07
4515	483863.09	3858877.25	6.51E-04	6.64E-04	6.63E-04	2.25E-07	6.80E-07	3.94E-07	4.02E-07	3.64E-07	1.63E-07	1.66E-07	7.52E-09	1.82E-07	4.01E-08	5.45E-08	8.65E-08	1.49E-08	1.09E-08	3.96E-07
4516	484363.09	3858877.25	6.92E-04	7.06E-04	7.05E-04	2.39E-07	7.23E-07	4.18E-07	4.27E-07	3.87E-07	1.73E-07	1.76E-07	7.99E-09	1.93E-07	4.26E-08	5.80E-08	9.20E-08	1.59E-08	1.16E-08	4.21E-07
4517	484863.09	3858877.25	7.41E-04	7.56E-04	7.55E-04	2.57E-07	7.75E-07	4.48E-07	4.58E-07	4.15E-07	1.85E-07	1.89E-07	8.57E-09	2.07E-07	4.57E-08	6.21E-08	9.86E-08	1.70E-08	1.25E-08	4.51E-07
4518	485363.09	3858877.25	8.10E-04	8.26E-04	8.25E-04	2.80E-07	8.46E-07	4.90E-07	5.00E-07	4.53E-07	2.03E-07	2.07E-07	9.36E-09	2.26E-07	4.99E-08	6.79E-08	1.08E-07	1.86E-08	1.36E-08	4.93E-07
4519	485863.09	3858877.25	9.08E-04	9.27E-04	9.26E-04	3.14E-07	9.49E-07	5.49E-07	5.61E-07	5.08E-07	2.27E-07	2.32E-07	1.05E-08	2.54E-07	5.60E-08	7.61E-08	1.21E-07	2.09E-08	1.53E-08	5.53E-07
4520	486363.09	3858877.25	1.03E-03	1.05E-03	1.05E-03	3.58E-07	1.08E-06	6.25E-07	6.38E-07	5.78E-07	2.59E-07	2.64E-07	1.19E-08	2.89E-07	6.37E-08	8.66E-08	1.37E-07	2.37E-08	1.74E-08	6.29E-07
4521	486863.09	3858877.25	1.22E-03	1.24E-03	1.24E-03	4.21E-07	1.27E-06	7.35E-07	7.50E-07	6.80E-07	3.04E-07	3.10E-07	1.41E-08	3.39E-07	7.49E-08	1.02E-07	1.62E-07	2.79E-08	2.05E-08	7.40E-07
4522	487363.09	3858877.25	1.52E-03	1.55E-03	1.55E-03	5.27E-07	1.59E-06	9.21E-07	9.40E-07	8.52E-07	3.81E-07	3.88E-07	1.76E-08	4.25E-07	9.38E-08	1.28E-07	2.02E-07	3.50E-08	2.56E-08	9.27E-07
4523	487863.09	3858877.25	2.04E-03	2.08E-03	2.08E-03	7.06E-07	2.13E-06	1.23E-06	1.26E-06	1.14E-06	5.10E-07	5.20E-07	2.36E-08	5.70E-07	1.26E-07	1.71E-07	2.71E-07	4.68E-08	3.43E-08	1.24E-06
4524	488363.09	3858877.25	3.42E-03	3.49E-03	3.48E-03	1.18E-06	3.57E-06	2.07E-06	2.11E-06	1.91E-06	8.55E-07	8.72E-07	3.95E-08	9.54E-07	2.11E-07	2.86E-07	4.54E-07	7.85E-08	5.75E-08	2.08E-06
4525	488863.09	3858877.25	1.60E-02	1.63E-02	1.63E-02	5.53E-06	1.67E-05	9.67E-06	9.86E-06	8.94E-06	4.00E-06	4.08E-06	1.85E-07	4.46E-06	9.84E-07	1.34E-06	2.12E-06	3.67E-07	2.69E-07	9.73E-06
4526	489363.09	3858877.25	1.51E-02	1.54E-02	1.54E-02	5.23E-06	1.58E-05	9.15E-06	9.34E-06	8.46E-06	3.78E-06	3.86E-06	1.75E-07	4.22E-06	9.32E-07	1.27E-06	2.01E-06	3.47E-07	2.54E-07	9.21E-06
4527	489863.09	3858877.25	9.73E-03	9.93E-03	9.92E-03	3.37E-06	1.02E-05	5.89E-06	6.01E-06	5.45E-06	2.44E-06	2.48E-06	1.12E-07	2.72E-06	5.99E-07	8.16E-07	1.29E-06	2.23E-07	1.64E-07	5.93E-06
4528	490363.09	3858877.25	6.83E-03	6.97E-03	6.97E-03	2.37E-06	7.14E-06	4.14E-06	4.22E-06	3.83E-06	1.71E-06	1.74E-06	7.90E-08	1.91E-06	4.21E-07	5.73E-07	9.09E-07	1.57E-07	1.15E-07	4.16E-06
4529	490863.09	3858877.25	4.50E-03	4.59E-03	4.58E-03	1.56E-06	4.70E-06	2.72E-06	2.78E-06	2.52E-06	1.13E-06	1.15E-06	5.20E-08	1.26E-06	2.77E-07	3.77E-07	5.98E-07	1.03E-07	7.56E-08	2.74E-06
4530	491363.09	3858877.25	2.87E-03	2.93E-03	2.93E-03	9.94E-07	3.00E-06	1.74E-06	1.77E-06	1.61E-06	7.19E-07	7.33E-07	3.32E-08	8.02E-07	1.77E-07	2.41E-07	3.82E-07	6.60E-08	4.83E-08	1.75E-06
4531	491863.09	3858877.25	2.01E-03	2.05E-03	2.05E-03	6.96E-07	2.10E-06	1.22E-06	1.24E-06	1.13E-06	5.03E-07	5.13E-07	2.32E-08	5.62E-07	1.24E-07	1.69E-07	2.67E-07	4.62E-08	3.38E-08	1.22E-06
4532	492363.09	3858877.25	2.15E-03	2.20E-03	2.19E-03	7.45E-07	2.25E-06	1.30E-06	1.33E-06	1.20E-06	5.39E-07	5.49E-07	2.49E-08	6.01E-07	1.33E-07	1.80E-07	2.86E-07	4.94E-08	3.62E-08	1.31E-06
4533	492863.09	3858877.25	2.40E-03	2.45E-03	2.44E-03	8.30E-07	2.51E-06	1.45E-06	1.48E-06	1.34E-06	6.00E-07	6.11E-07	2.77E-08	6.69E-07	1.48E-07	2.01E-07	3.19E-07	5.50E-08	4.03E-08	1.46E-06
4534	493363.09	3858877.25	2.07E-03	2.11E-03	2.11E-03	7.17E-07	2.16E-06	1.25E-06	1.28E-06	1.16E-06	5.18E-07	5.28E-07	2.39E-08	5.78E-07	1.28E-07	1.74E-07	2.75E-07	4.76E-08	3.48E-08	1.26E-06
4535	493863.09	3858877.25	1.68E-03	1.71E-03	1.71E-03	5.81E-07	1.76E-06	1.02E-06	1.04E-06	9.40E-07	4.20E-07	4.28E-07	1.94E-08	4.69E-07	1.03E-07	1.41E-07	2.23E-07	3.86E-08	2.83E-08	1.02E-06
4536	494363.09	3858877.25	1.52E-03	1.55E-03	1.55E-03	5.27E-07	1.59E-06	9.21E-07	9.40E-07	8.52E-07	3.81E-07	3.88E-07	1.76E-08	4.25E-07	9.38E-08	1.28E-07	2.02E-07	3.50E-08	2.56E-08	9.27E-07
4537	494863.09	3858877.25	1.36E-03	1.39E-03	1.39E-03	4.71E-07	1.42E-06	8.23E-07	8.40E-07	7.61E-07	3.40E-07	3.47E-07	1.57E-08	3.80E-07	8.38E-08	1.14E-07	1.81E-07	3.12E-08	2.29E-08	8.29E-07
4538	495363.09	3858877.25	1.21E-03	1.23E-03	1.23E-03	4.17E-07	1.26E-06	7.29E-07	7.44E-07	6.75E-07	3.02E-07	3.07E-07	1.39E-08	3.37E-07	7.43E-08	1.01E-07	1.60E-07	2.77E-08	2.03E-08	7.34E-07
4539	495863.09	3858877.25	1.11E-03	1.13E-03	1.13E-03	3.84E-07	1.16E-06	6.72E-07	6.85E-07	6.21E-07	2.78E-07	2.83E-07	1.28E-08	3.10E-07	6.84E-08	9.30E-08	1.48E-07	2.55E-08	1.87E-08	6.76E-07
4540	496363.09	3858877.25	1.05E-03	1.07E-03	1.07E-03	3.64E-07	1.10E-06	6.36E-07	6.49E-07	5.89E-07	2.63E-07	2.68E-07	1.22E-08	2.94E-07	6.48E-08	8.82E-08	1.40E-07	2.42E-08	1.77E-08	6.40E-07
4541	496863.09	3858877.25	9.98E-04	1.02E-03	1.02E-03	3.45E-07	1.04E-06	6.04E-07	6.16E-07	5.59E-07	2.50E-07	2.55E-07	1.15E-08	2.79E-07	6.15E-08	8.37E-08	1.33E-07	2.29E-08	1.68E-08	6.08E-07
4542	497363.09	3858877.25	9.49E-04	9.68E-04	9.67E-04	3.28E-07	9.92E-07	5.74E-07	5.86E-07	5.31E-07	2.37E-07	2.42E-07	1.10E-08	2.65E-07	5.85E-08	7.95E-08	1.26E-07	2.18E-08	1.60E-08	5.78E-07
4543	497863.09	3858877.25	1.01E-03	1.03E-03	1.03E-03	3.51E-07	1.06E-06	6.14E-07	6.26E-07	5.68E-07	2.54E-07	2.59E-07	1.17E-08	2.83E-07	6.25E-08	8.50E-08	1.35E-07	2.33E-08	1.71E-08	6.18E-07
4544	498363.09	3858877.25	1.09E-03	1.11E-03	1.11E-03	3.76E-07	1.14E-06	6.58E-07	6.71E-07	6.09E-07	2.72E-07	2.77E-07	1.26E-08	3.04E-07	6.70E-08	9.11E-08	1.45E-07	2.50E-08	1.83E-08	6.62E-07
4545	471363.09	3859377.25	2.93E-04	2.99E-04	2.98E-04	1.01E-07	3.06E-07	1.77E-07	1.81E-07	1.64E-07	7.32E-08	7.46E-08	3.38E-09	8.17E-08	1.80E-08	2.45E-08	3.89E-08	6.72E-09	4.92E-09	1.78E-07
4546	471863.09	3859377.25	3.00E-04	3.06E-04	3.06E-04	1.04E-07	3.14E-07	1.82E-07	1.85E-07	1.68E-07	7.51E-08	7.66E-08	3.47E-09	8.38E-08	1.85E-08	2.52E-08	3.99E-08	6.90E-09	5.05E-09	1.83E-07
4547	472363.09	3859377.25	3.12E-04	3.19E-04	3.18E-04	1.08E-07	3.26E-07	1.89E-07	1.93E-07	1.75E-07	7.82E-08	7.97E-08	3.61E-09	8.72E-08	1.92E-08	2.62E-08	4.15E-08	7.17E-09	5.26E-09	1.90E-07
4548	472863.09	3859377.25	3.23E-04	3.30E-04	3.29E-04	1.12E-07	3.38E-07	1.96E-07	2.00E-07	1.81E-07	8.09E-08	8.25E-08	3.74E-09	9.03E-08	1.99E-08	2.71E-08	4.30E-08	7.42E-09	5.44E-09	1.97E-07
4549	473363.09	3859377.25	3.36E-04	3.43E-04	3.42E-04	1.16E-07	3.51E-07	2.03E-07	2.07E-07	1.88E-07	8.41E-08	8.57E-08	3.88E-09	9.38E-08	2.07E-08	2.82E-08	4.47E-08	7.72E-09	5.65E-09	2.05E-07
4550	473863.09	3859377.25	3.44E-04	3.51E-04	3.50E-04	1.19E-07	3.59E-07	2.08E-07	2.12E-07	1.92E-07	8.61E-08	8.77E-08	3.97E-09	9.60E-08	2.12E-08	2.88E-08	4.57E-08	7.90E-09	5.79E-09	2.09E-07
4551	474363.09	3859377.25	3.25E-04	3.31E-04	3.31E-04	1.12E-07	3.39E-07	1.96E-07	2.00E-07	1.82E-07	8.13E-08	8.28E-08	3.75E-09	9.07E-08	2.00E-08	2.72E-08	4.32E-08	7.46E-09	5.46E-09	1.98E-07
4552	474863.09	3859377.25	2.63E-04	2.68E-04	2.68E-04	9.09E-08	2.74E-07	1.59E-07	1.62E-07	1.47E-07	6.57E-08	6.70E-08	3.03E-09	7.33E-08	1.62E-08	2.20E-08	3.49E-08	6.03E-09	4.42E-09	1.60E-07
4553	475363.09	3859377.25	1.79E-04	1.83E-04	1.82E-04	6.19E-08	1.87E-07	1.08E-07	1.10E-07	1.00E-07	4.48E-08	4.56E-08	2.07E-09	4.99E-08	1.10E-08	1.50E-08	2.38E-08	4.11E-09	3.01E-09	1.09E-07

4554	475863.09	3859377.25	1.08E-04	1.10E-04	1.10E-04	3.72E-08	1.12E-07	6.51E-08	6.64E-08	6.02E-08	2.69E-08	2.74E-08	1.24E-09	3.00E-08	6.63E-09	9.02E-09	1.43E-08	2.47E-09	1.81E-09	6.55E-08
4555	476363.09	3859377.25	9.13E-05	9.32E-05	9.31E-05	3.16E-08	9.55E-08	5.53E-08	5.64E-08	5.11E-08	2.29E-08	2.33E-08	1.06E-09	2.55E-08	5.63E-09	7.66E-09	1.21E-08	2.10E-09	1.54E-09	5.56E-08
4556	476863.09	3859377.25	6.87E-05	7.01E-05	7.00E-05	2.38E-08	7.18E-08	4.15E-08	4.24E-08	3.84E-08	1.72E-08	1.75E-08	7.94E-10	1.92E-08	4.23E-09	5.76E-09	9.13E-09	1.58E-09	1.16E-09	4.18E-08
4557	477363.09	3859377.25	7.54E-05	7.70E-05	7.69E-05	2.61E-08	7.88E-08	4.56E-08	4.66E-08	4.22E-08	1.89E-08	1.92E-08	8.72E-10	2.11E-08	4.65E-09	6.32E-09	1.00E-08	1.73E-09	1.27E-09	4.59E-08
4558	477863.09	3859377.25	1.57E-04	1.61E-04	1.60E-04	5.45E-08	1.64E-07	9.52E-08	9.72E-08	8.81E-08	3.94E-08	4.01E-08	1.82E-09	4.39E-08	9.69E-09	1.32E-08	2.09E-08	3.61E-09	2.65E-09	9.58E-08
4559	478363.09	3859377.25	2.37E-04	2.42E-04	2.42E-04	8.21E-08	2.48E-07	1.44E-07	1.46E-07	1.33E-07	5.94E-08	6.05E-08	2.74E-09	6.62E-08	1.46E-08	1.99E-08	3.15E-08	5.45E-09	3.99E-09	1.44E-07
4560	478863.09	3859377.25	3.25E-04	3.32E-04	3.32E-04	1.13E-07	3.40E-07	1.97E-07	2.01E-07	1.82E-07	8.14E-08	8.30E-08	3.76E-09	9.08E-08	2.00E-08	2.73E-08	4.33E-08	7.47E-09	5.47E-09	1.98E-07
4561	479363.09	3859377.25	3.88E-04	3.96E-04	3.96E-04	1.34E-07	4.06E-07	2.35E-07	2.40E-07	2.17E-07	9.71E-08	9.90E-08	4.49E-09	1.08E-07	2.39E-08	3.25E-08	5.16E-08	8.91E-09	6.53E-09	2.36E-07
4562	479863.09	3859377.25	4.29E-04	4.37E-04	4.37E-04	1.48E-07	4.48E-07	2.59E-07	2.65E-07	2.40E-07	1.07E-07	1.09E-07	4.96E-09	1.20E-07	2.64E-08	3.59E-08	5.70E-08	9.85E-09	7.21E-09	2.61E-07
4563	480363.09	3859377.25	4.59E-04	4.69E-04	4.68E-04	1.59E-07	4.80E-07	2.78E-07	2.84E-07	2.57E-07	1.15E-07	1.17E-07	5.31E-09	1.28E-07	2.83E-08	3.85E-08	6.11E-08	1.06E-08	7.73E-09	2.80E-07
4564	480863.09	3859377.25	4.81E-04	4.91E-04	4.90E-04	1.67E-07	5.03E-07	2.91E-07	2.97E-07	2.69E-07	1.20E-07	1.23E-07	5.56E-09	1.34E-07	2.96E-08	4.03E-08	6.40E-08	1.11E-08	8.10E-09	2.93E-07
4565	481363.09	3859377.25	4.95E-04	5.05E-04	5.05E-04	1.71E-07	5.18E-07	3.00E-07	3.06E-07	2.77E-07	1.24E-07	1.26E-07	5.73E-09	1.38E-07	3.05E-08	4.15E-08	6.59E-08	1.14E-08	8.33E-09	3.02E-07
4566	481863.09	3859377.25	5.06E-04	5.16E-04	5.16E-04	1.75E-07	5.29E-07	3.06E-07	3.12E-07	2.83E-07	1.27E-07	1.29E-07	5.85E-09	1.41E-07	3.12E-08	4.24E-08	6.73E-08	1.16E-08	8.51E-09	3.08E-07
4567	482363.09	3859377.25	5.19E-04	5.30E-04	5.29E-04	1.80E-07	5.43E-07	3.14E-07	3.21E-07	2.91E-07	1.30E-07	1.32E-07	6.00E-09	1.45E-07	3.20E-08	4.35E-08	6.90E-08	1.19E-08	8.74E-09	3.16E-07
4568	482863.09	3859377.25	5.40E-04	5.51E-04	5.51E-04	1.87E-07	5.65E-07	3.27E-07	3.34E-07	3.02E-07	1.35E-07	1.38E-07	6.25E-09	1.51E-07	3.33E-08	4.53E-08	7.19E-08	1.24E-08	9.09E-09	3.29E-07
4569	483363.09	3859377.25	5.78E-04	5.89E-04	5.89E-04	2.00E-07	6.04E-07	3.49E-07	3.57E-07	3.23E-07	1.45E-07	1.47E-07	6.68E-09	1.61E-07	3.56E-08	4.84E-08	7.68E-08	1.33E-08	9.72E-09	3.52E-07
4570	483863.09	3859377.25	6.11E-04	6.24E-04	6.23E-04	2.12E-07	6.39E-07	3.70E-07	3.77E-07	3.42E-07	1.53E-07	1.56E-07	7.06E-09	1.71E-07	3.77E-08	5.12E-08	8.13E-08	1.40E-08	1.03E-08	3.72E-07
4571	484363.09	3859377.25	6.52E-04	6.66E-04	6.65E-04	2.26E-07	6.82E-07	3.95E-07	4.03E-07	3.65E-07	1.63E-07	1.66E-07	7.54E-09	1.82E-07	4.02E-08	5.47E-08	8.68E-08	1.50E-08	1.10E-08	3.97E-07
4572	484863.09	3859377.25	7.02E-04	7.17E-04	7.16E-04	2.43E-07	7.34E-07	4.25E-07	4.34E-07	3.93E-07	1.76E-07	1.79E-07	8.12E-09	1.96E-07	4.33E-08	5.89E-08	9.34E-08	1.61E-08	1.18E-08	4.28E-07
4573	485363.09	3859377.25	7.68E-04	7.84E-04	7.83E-04	2.66E-07	8.03E-07	4.65E-07	4.74E-07	4.30E-07	1.92E-07	1.96E-07	8.88E-09	2.15E-07	4.73E-08	6.44E-08	1.02E-07	1.77E-08	1.29E-08	4.68E-07
4574	485863.09	3859377.25	8.62E-04	8.79E-04	8.78E-04	2.98E-07	9.01E-07	5.21E-07	5.32E-07	4.82E-07	2.16E-07	2.20E-07	9.96E-09	2.41E-07	5.31E-08	7.22E-08	1.15E-07	1.98E-08	1.45E-08	5.25E-07
4575	486363.09	3859377.25	9.94E-04	1.01E-03	1.01E-03	3.44E-07	1.04E-06	6.01E-07	6.14E-07	5.56E-07	2.49E-07	2.54E-07	1.15E-08	2.78E-07	6.12E-08	8.33E-08	1.32E-07	2.28E-08	1.67E-08	6.05E-07
4576	486863.09	3859377.25	1.18E-03	1.20E-03	1.20E-03	4.09E-07	1.23E-06	7.14E-07	7.29E-07	6.61E-07	2.95E-07	3.01E-07	1.36E-08	3.30E-07	7.27E-08	9.89E-08	1.57E-07	2.71E-08	1.99E-08	7.19E-07
4577	487363.09	3859377.25	1.49E-03	1.52E-03	1.51E-03	5.14E-07	1.55E-06	8.99E-07	9.17E-07	8.32E-07	3.72E-07	3.79E-07	1.72E-08	4.15E-07	9.15E-08	1.25E-07	1.98E-07	3.41E-08	2.50E-08	9.05E-07
4578	487863.09	3859377.25	2.10E-03	2.14E-03	2.14E-03	7.25E-07	2.19E-06	1.27E-06	1.29E-06	1.17E-06	5.24E-07	5.34E-07	2.42E-08	5.85E-07	1.29E-07	1.76E-07	2.79E-07	4.81E-08	3.53E-08	1.28E-06
4579	488363.09	3859377.25	3.30E-03	3.37E-03	3.36E-03	1.14E-06	3.45E-06	2.00E-06	2.04E-06	1.85E-06	8.26E-07	8.42E-07	3.81E-08	9.21E-07	2.03E-07	2.77E-07	4.39E-07	7.58E-08	5.55E-08	2.01E-06
4580	488863.09	3859377.25	6.65E-03	6.79E-03	6.78E-03	2.30E-06	6.95E-06	4.02E-06	4.11E-06	3.72E-06	1.66E-06	1.70E-06	7.69E-08	1.86E-06	4.10E-07	5.57E-07	8.84E-07	1.53E-07	1.12E-07	4.05E-06
4581	489363.09	3859377.25	1.79E-02	1.83E-02	1.83E-02	6.21E-06	1.88E-05	1.09E-05	1.11E-05	1.00E-05	4.49E-06	4.58E-06	2.07E-07	5.01E-06	1.11E-06	1.50E-06	2.39E-06	4.12E-07	3.02E-07	1.09E-05
4582	489863.09	3859377.25	6.24E-02	6.37E-02	6.36E-02	2.16E-05	6.53E-05	3.78E-05	3.86E-05	3.50E-05	1.56E-05	1.59E-05	7.22E-07	1.74E-05	3.85E-06	5.23E-06	8.30E-06	1.43E-06	1.05E-06	3.80E-05
4583	490363.09	3859377.25	2.15E-02	2.19E-02	2.19E-02	7.44E-06	2.25E-05	1.30E-05	1.33E-05	1.20E-05	5.38E-06	5.48E-06	2.49E-07	6.00E-06	1.32E-06	1.80E-06	2.86E-06	4.94E-07	3.62E-07	1.31E-05
4584	490863.09	3859377.25	1.06E-02	1.08E-02	1.08E-02	3.65E-06	1.10E-05	6.39E-06	6.52E-06	5.91E-06	2.64E-06	2.69E-06	1.22E-07	2.95E-06	6.50E-07	8.85E-07	1.40E-06	2.42E-07	1.78E-07	6.43E-06
4585	491363.09	3859377.25	5.24E-03	5.35E-03	5.34E-03	1.81E-06	5.48E-06	3.17E-06	3.24E-06	2.93E-06	1.31E-06	1.34E-06	6.06E-08	1.46E-06	3.23E-07	4.39E-07	6.97E-07	1.20E-07	8.82E-08	3.19E-06
4586	491863.09	3859377.25	5.56E-03	5.68E-03	5.67E-03	1.93E-06	5.82E-06	3.37E-06	3.44E-06	3.11E-06	1.39E-06	1.42E-06	6.43E-08	1.55E-06	3.43E-07	4.66E-07	7.40E-07	1.28E-07	9.36E-08	3.39E-06
4587	492363.09	3859377.25	4.74E-03	4.84E-03	4.83E-03	1.64E-06	4.96E-06	2.87E-06	2.93E-06	2.65E-06	1.19E-06	1.21E-06	5.48E-08	1.32E-06	2.92E-07	3.97E-07	6.30E-07	1.09E-07	7.98E-08	2.89E-06
4588	492863.09	3859377.25	4.24E-03	4.33E-03	4.32E-03	1.47E-06	4.43E-06	2.56E-06	2.62E-06	2.37E-06	1.06E-06	1.08E-06	4.90E-08	1.18E-06	2.61E-07	3.55E-07	5.64E-07	9.74E-08	7.13E-08	2.58E-06
4589	493363.09	3859377.25	3.35E-03	3.42E-03	3.42E-03	1.16E-06	3.51E-06	2.03E-06	2.07E-06	1.88E-06	8.40E-07	8.56E-07	3.88E-08	9.37E-07	2.07E-07	2.81E-07	4.46E-07	7.71E-08	5.64E-08	2.04E-06
4590	493863.09	3859377.25	2.95E-03	3.01E-03	3.01E-03	1.02E-06	3.08E-06	1.79E-06	1.82E-06	1.65E-06	7.38E-07	7.53E-07	3.41E-08	8.24E-07	1.82E-07	2.47E-07	3.92E-07	6.78E-08	4.96E-08	1.80E-06
4591	494363.09	3859377.25	2.50E-03	2.55E-03	2.55E-03	8.66E-07	2.62E-06	1.51E-06	1.55E-06	1.40E-06	6.26E-07	6.38E-07	2.89E-08	6.99E-07	1.54E-07	2.10E-07	3.33E-07	5.75E-08	4.21E-08	1.52E-06
4592	494863.09	3859377.25	1.97E-03	2.01E-03	2.01E-03	6.81E-07	2.06E-06	1.19E-06	1.22E-06	1.10E-06	4.93E-07	5.02E-07	2.28E-08	5.50E-07	1.21E-07	1.65E-07	2.62E-07	4.52E-08	3.31E-08	1.20E-06
4593	495363.09	3859377.25	1.77E-03	1.81E-03	1.80E-03	6.13E-07	1.85E-06	1.07E-06	1.09E-06	9.91E-07	4.43E-07	4.52E-07	2.05E-08	4.94E-07	1.09E-07	1.48E-07	2.35E-07	4.07E-08	2.98E-08	1.08E-06
4594	495863.09	3859377.25	1.55E-03	1.58E-03	1.58E-03	5.37E-07	1.62E-06	9.39E-07	9.58E-07	8.69E-07	3.88E-07	3.96E-07	1.79E-08	4.33E-07	9.56E-08	1.30E-07	2.06E-07	3.57E-08	2.61E-08	9.45E-07
4595	496363.09	3859377.25	1.46E-03	1.49E-03	1.48E-03	5.04E-07	1.52E-06	8.81E-07	8.99E-07	8.15E-07	3.65E-07	3.72E-07	1.68E-08	4.07E-07	8.97E-08	1.22E-07	1.94E-07	3.35E-08	2.45E-08	8.87E-07
4596	496863.09	3859377.25	1.25E-03	1.28E-03	1.28E-03	4.34E-07	1.31E-06	7.58E-07	7.73E-07	7.01E-07	3.13E-07	3.19E-07	1.45E-08	3.50E-07	7.72E-08	1.05E-07	1.67E-07	2.88E-08	2.11E-08	7.63E-07
4597	497363.09	3859377.25	1.23E-03	1.26E-03	1.25E-03	4.26E-07	1.29E-06	7.45E-07	7.60E-07	6.89E-07	3.08E-07	3.14E-07	1.42E-08	3.44E-07	7.58E-08	1.03E-07	1.64E-07	2.83E-08	2.07E-08	7.50E-07
4598	497863.09	3859377.25	1.28E-03	1.31E-03	1.30E-03	4.43E-07	1.34E-06	7.74E-07	7.90E-07	7.16E-07	3.20E-07	3.26E-07	1.48E-08	3.57E-07	7.88E-08	1.07E-07	1.70E-07	2.94E-08	2.15E-08	7.79E-07
4599	498363.09	3859377.25	1.30E-03	1.33E-03	1.33E-03	4.51E-07	1.36E-06	7.89E-07	8.05E-07	7.29E-07	3.26E-07	3.32E-07	1.51E-08	3.64E-07	8.03E-08	1.09E-07	1.73E-07	2.99E-08	2.19E-08	7.94E-07
4600	471363.09	3859877.25	2.78E-04	2.84E-04	2.84E-04	9.64E-08	2.91E-07	1.68E-07	1.72E-07	1.56E-07	6.97E-08	7.10E-08	3.22E-09	7.78E-08	1.72E-08	2.33E-08	3.70E-08	6.40E-09	4.69E-09	1.70E-07
4601	471863.09	3859877.25	2.88E-04	2.93E-04	2.93E-04	9.96E-08	3.01E-07	1.74E-07	1.78E-07	1.61E-07	7.20E-08	7.34E-08	3.32E-09	8.03E-08	1.77E-08	2.41E-08	3.82E-08	6.61E-09	4.84E-09	1.75E-07
4602	472363.09	3859877.25	2.96E-04	3.02E-04	3.01E-04	1.02E-07	3.09E-07	1.79E-07	1.82E-07	1.65E-07	7.40E-08	7.54E-08	3.42E-09	8.25E-08	1.82E-08	2.48E-08	3.93E-08	6.79E-09	4.97E-09	1.80E-07
4603	472863.09	3859877.25	3.07E-04	3.13E-04	3.13E-04	1.06E-07	3.21E-07	1.86E-07	1.90E-07	1.72E-07	7.68E-08	7.83E-08	3.55E-09	8.57E-08	1.89E-08	2.57E-08	4.08E-08	7.05E-09	5.17E-09	1.87E-07
4604	473363.09	3859877.25	3.18E-04	3.24E-04	3.24E-04	1.10E-07	3.32E-07	1.92E-07	1.96E-07	1.78E-07	7.95E-08	8.10E-08	3.67E-09	8.87E-08	1.96E-08	2.66E-08	4.22E-08	7.30E-09	5.34E-09	1.93E-07
4605	473863.09	3859877.25	3.26E-04	3.33E-04	3.33E-04	1.13E-07	3.41E-07	1.98E-07	2.02E-07	1.83E-07	8.17E-08	8.33E-08	3.77E-09	9.12E-08	2.01E-08	2.74E-08	4.34E-08	7.50E-09	5.49E-09	1.99E-07
4606	474363.09	3859877.25	3.17E-04	3.24E-04	3.23E-04	1.10E-07	3.31E-07	1.92E-07	1.96E-07	1.77E-07	7.94E-08	8.09E-08	3.67E-09	8.85E-08	1.95E-08	2.66E-08	4.22E-08	7.28E-09	5.33E-09	1.93E-07
4607	474863.09	3859877.25	2.88E-04	2.94E-04	2.94E-04	9.99E-08	3.02E-07	1.75E-07	1.78E-07	1.61E-07	7.22E-08	7.36E-08	3.33E-09	8.05E-08	1.78E-08	2.42E-08	3.84E-08	6.63E-09	4.85E-09	1.76E-07
4608	475363.09	3859877.25	2.04E-04	2.08E-04	2.08E-04	7.06E-08	2.13E-07	1.23E-07	1.26E-07	1.14E-07	5.10E-08	5.20E-08	2.36E-09	5.69E-08	1.26E-08	1.71E-08	2.71E-08	4.68E-09	3.43E-09	1.24E-07
4609	475863.09	3859877.25	1.03E-04	1.05E-04	1.05E-04	3.56E-08	1.07E-07	6.22E-08	6.35E-08	5.76E-08	2.57E-08	2.62E-08	1.19E-09	2.87E-08	6.34E-09	8.62E-09	1.37E-08	2.36E-09	1.73E-09	6.26E-08
4610	476363.09	3859877.25	5.48E-05	5.59E-05	5.59E-05	1.90E-08	5.73E-08	3.32E-08	3.38E-08	3.07E-08	1.37E-08	1.40E-08	6.34E-10	1.53E-08	3.38E-09	4.59E-09	7.29E-09	1.26E-09	9.22E-10	3.34E-08

4611	476863.09	3859877.25	6.54E-05	6.68E-05	6.67E-05	2.26E-08	6.84E-08	3.96E-08	4.04E-08	3.66E-08	1.64E-08	1.67E-08	7.56E-10	1.83E-08	4.03E-09	5.48E-09	8.70E-09	1.50E-09	1.10E-09	3.98E-08
4612	477363.09	3859877.25	7.04E-05	7.19E-05	7.18E-05	2.44E-08	7.36E-08	4.26E-08	4.35E-08	3.94E-08	1.76E-08	1.80E-08	8.14E-10	1.97E-08	4.34E-09	5.90E-09	9.37E-09	1.62E-09	1.18E-09	4.29E-08
4613	477863.09	3859877.25	1.39E-04	1.42E-04	1.42E-04	4.82E-08	1.46E-07	8.43E-08	8.61E-08	7.80E-08	3.49E-08	3.56E-08	1.61E-09	3.89E-08	8.59E-09	1.17E-08	1.85E-08	3.20E-09	2.35E-09	8.49E-08
4614	478363.09	3859877.25	2.27E-04	2.32E-04	2.32E-04	7.87E-08	2.38E-07	1.38E-07	1.40E-07	1.27E-07	5.69E-08	5.80E-08	2.63E-09	6.35E-08	1.40E-08	1.91E-08	3.03E-08	5.22E-09	3.83E-09	1.39E-07
4615	478863.09	3859877.25	3.08E-04	3.15E-04	3.14E-04	1.07E-07	3.22E-07	1.86E-07	1.90E-07	1.73E-07	7.71E-08	7.86E-08	3.56E-09	8.61E-08	1.90E-08	2.58E-08	4.10E-08	7.08E-09	5.19E-09	1.88E-07
4616	479363.09	3859877.25	3.74E-04	3.81E-04	3.81E-04	1.29E-07	3.91E-07	2.26E-07	2.31E-07	2.09E-07	9.35E-08	9.53E-08	4.32E-09	1.04E-07	2.30E-08	3.13E-08	4.97E-08	8.58E-09	6.29E-09	2.28E-07
4617	479863.09	3859877.25	4.08E-04	4.17E-04	4.16E-04	1.41E-07	4.27E-07	2.47E-07	2.52E-07	2.29E-07	1.02E-07	1.04E-07	4.72E-09	1.14E-07	2.52E-08	3.42E-08	5.43E-08	9.38E-09	6.87E-09	2.49E-07
4618	480363.09	3859877.25	4.35E-04	4.44E-04	4.43E-04	1.50E-07	4.54E-07	2.63E-07	2.68E-07	2.43E-07	1.09E-07	1.11E-07	5.02E-09	1.21E-07	2.68E-08	3.64E-08	5.78E-08	9.98E-09	7.31E-09	2.65E-07
4619	480863.09	3859877.25	4.54E-04	4.63E-04	4.63E-04	1.57E-07	4.74E-07	2.75E-07	2.80E-07	2.54E-07	1.14E-07	1.16E-07	5.25E-09	1.27E-07	2.80E-08	3.80E-08	6.03E-08	1.04E-08	7.64E-09	2.76E-07
4620	481363.09	3859877.25	4.67E-04	4.77E-04	4.76E-04	1.62E-07	4.88E-07	2.83E-07	2.88E-07	2.61E-07	1.17E-07	1.19E-07	5.40E-09	1.30E-07	2.88E-08	3.92E-08	6.21E-08	1.07E-08	7.86E-09	2.84E-07
4621	481863.09	3859877.25	4.79E-04	4.89E-04	4.88E-04	1.66E-07	5.00E-07	2.90E-07	2.96E-07	2.68E-07	1.20E-07	1.22E-07	5.53E-09	1.34E-07	2.95E-08	4.01E-08	6.37E-08	1.10E-08	8.06E-09	2.92E-07
4622	482363.09	3859877.25	4.96E-04	5.06E-04	5.05E-04	1.72E-07	5.18E-07	3.00E-07	3.06E-07	2.78E-07	1.24E-07	1.27E-07	5.73E-09	1.38E-07	3.06E-08	4.16E-08	6.59E-08	1.14E-08	8.34E-09	3.02E-07
4623	482863.09	3859877.25	5.15E-04	5.26E-04	5.25E-04	1.78E-07	5.38E-07	3.12E-07	3.18E-07	2.88E-07	1.29E-07	1.31E-07	5.95E-09	1.44E-07	3.17E-08	4.32E-08	6.85E-08	1.18E-08	8.67E-09	3.14E-07
4624	483363.09	3859877.25	5.43E-04	5.54E-04	5.54E-04	1.88E-07	5.68E-07	3.29E-07	3.35E-07	3.04E-07	1.36E-07	1.39E-07	6.28E-09	1.52E-07	3.35E-08	4.55E-08	7.23E-08	1.25E-08	9.14E-09	3.31E-07
4625	483863.09	3859877.25	5.82E-04	5.94E-04	5.93E-04	2.02E-07	6.09E-07	3.52E-07	3.59E-07	3.26E-07	1.46E-07	1.49E-07	6.73E-09	1.63E-07	3.59E-08	4.88E-08	7.74E-08	1.34E-08	9.80E-09	3.55E-07
4626	484363.09	3859877.25	6.19E-04	6.32E-04	6.31E-04	2.14E-07	6.47E-07	3.75E-07	3.82E-07	3.47E-07	1.55E-07	1.58E-07	7.16E-09	1.73E-07	3.82E-08	5.19E-08	8.24E-08	1.42E-08	1.04E-08	3.77E-07
4627	484863.09	3859877.25	6.67E-04	6.80E-04	6.80E-04	2.31E-07	6.97E-07	4.03E-07	4.12E-07	3.73E-07	1.67E-07	1.70E-07	7.71E-09	1.86E-07	4.11E-08	5.59E-08	8.87E-08	1.53E-08	1.12E-08	4.06E-07
4628	485363.09	3859877.25	7.29E-04	7.44E-04	7.43E-04	2.52E-07	7.62E-07	4.41E-07	4.50E-07	4.08E-07	1.83E-07	1.86E-07	8.43E-09	2.04E-07	4.49E-08	6.11E-08	9.70E-08	1.68E-08	1.23E-08	4.44E-07
4629	485863.09	3859877.25	8.17E-04	8.34E-04	8.33E-04	2.83E-07	8.54E-07	4.95E-07	5.05E-07	4.57E-07	2.05E-07	2.09E-07	9.45E-09	2.28E-07	5.04E-08	6.85E-08	1.09E-07	1.88E-08	1.38E-08	4.98E-07
4630	486363.09	3859877.25	9.45E-04	9.64E-04	9.63E-04	3.27E-07	9.88E-07	5.72E-07	5.83E-07	5.29E-07	2.37E-07	2.41E-07	1.09E-08	2.64E-07	5.82E-08	7.92E-08	1.26E-07	2.17E-08	1.59E-08	5.75E-07
4631	486863.09	3859877.25	1.14E-03	1.16E-03	1.16E-03	3.95E-07	1.19E-06	6.90E-07	7.04E-07	6.38E-07	2.85E-07	2.91E-07	1.32E-08	3.18E-07	7.03E-08	9.56E-08	1.52E-07	2.62E-08	1.92E-08	6.95E-07
4632	487363.09	3859877.25	1.39E-03	1.42E-03	1.42E-03	4.82E-07	1.46E-06	8.43E-07	8.60E-07	7.80E-07	3.49E-07	3.55E-07	1.61E-08	3.89E-07	8.59E-08	1.17E-07	1.85E-07	3.20E-08	2.34E-08	8.49E-07
4633	487863.09	3859877.25	1.83E-03	1.86E-03	1.86E-03	6.32E-07	1.91E-06	1.10E-06	1.13E-06	1.02E-06	4.57E-07	4.66E-07	2.11E-08	5.10E-07	1.13E-07	1.53E-07	2.43E-07	4.19E-08	3.07E-08	1.11E-06
4634	488363.09	3859877.25	2.49E-03	2.54E-03	2.54E-03	8.62E-07	2.60E-06	1.51E-06	1.54E-06	1.39E-06	6.23E-07	6.35E-07	2.88E-08	6.95E-07	1.53E-07	2.09E-07	3.31E-07	5.72E-08	4.19E-08	1.52E-06
4635	488863.09	3859877.25	3.66E-03	3.73E-03	3.73E-03	1.27E-06	3.82E-06	2.21E-06	2.26E-06	2.05E-06	9.16E-07	9.33E-07	4.23E-08	1.02E-06	2.25E-07	3.07E-07	4.86E-07	8.40E-08	6.16E-08	2.23E-06
4636	489363.09	3859877.25	5.57E-03	5.69E-03	5.68E-03	1.93E-06	5.82E-06	3.37E-06	3.44E-06	3.12E-06	1.39E-06	1.42E-06	6.44E-08	1.56E-06	3.43E-07	4.67E-07	7.41E-07	1.28E-07	9.37E-08	3.39E-06
4637	489863.09	3859877.25	9.34E-03	9.53E-03	9.52E-03	3.23E-06	9.77E-06	5.65E-06	5.77E-06	5.23E-06	2.34E-06	2.38E-06	1.08E-07	2.61E-06	5.76E-07	7.83E-07	1.24E-06	2.15E-07	1.57E-07	5.69E-06
4638	490363.09	3859877.25	1.82E-02	1.86E-02	1.86E-02	6.31E-06	1.90E-05	1.10E-05	1.13E-05	1.02E-05	4.56E-06	4.65E-06	2.11E-07	5.09E-06	1.12E-06	1.53E-06	2.42E-06	4.19E-07	3.07E-07	1.11E-05
4639	490863.09	3859877.25	8.99E-02	9.17E-02	9.16E-02	3.11E-05	9.40E-05	5.44E-05	5.55E-05	5.03E-05	2.25E-05	2.29E-05	1.04E-06	2.51E-05	5.54E-06	7.54E-06	1.20E-05	2.06E-06	1.51E-06	5.47E-05
4640	491363.09	3859877.25	2.88E-02	2.94E-02	2.93E-02	9.97E-06	3.01E-05	1.74E-05	1.78E-05	1.61E-05	7.21E-06	7.34E-06	3.33E-07	8.04E-06	1.77E-06	2.41E-06	3.83E-06	6.61E-07	4.84E-07	1.75E-05
4641	491863.09	3859877.25	1.49E-02	1.53E-02	1.52E-02	5.17E-06	1.56E-05	9.04E-06	9.23E-06	8.36E-06	3.74E-06	3.81E-06	1.73E-07	4.17E-06	9.21E-07	1.25E-06	1.99E-06	3.43E-07	2.51E-07	9.10E-06
4642	492363.09	3859877.25	1.00E-02	1.02E-02	1.02E-02	3.47E-06	1.05E-05	6.07E-06	6.20E-06	5.62E-06	2.51E-06	2.56E-06	1.16E-07	2.80E-06	6.18E-07	8.41E-07	1.33E-06	2.30E-07	1.69E-07	6.11E-06
4643	492863.09	3859877.25	6.95E-03	7.09E-03	7.09E-03	2.41E-06	7.27E-06	4.21E-06	4.29E-06	3.89E-06	1.74E-06	1.77E-06	8.04E-08	1.94E-06	4.28E-07	5.83E-07	9.25E-07	1.60E-07	1.17E-07	4.23E-06
4644	493363.09	3859877.25	5.36E-03	5.47E-03	5.46E-03	1.85E-06	5.60E-06	3.24E-06	3.31E-06	3.00E-06	1.34E-06	1.37E-06	6.19E-08	1.50E-06	3.30E-07	4.49E-07	7.12E-07	1.23E-07	9.01E-08	3.26E-06
4645	493863.09	3859877.25	4.25E-03	4.34E-03	4.34E-03	1.47E-06	4.45E-06	2.57E-06	2.63E-06	2.38E-06	1.06E-06	1.08E-06	4.92E-08	1.19E-06	2.62E-07	3.57E-07	5.66E-07	9.77E-08	7.16E-08	2.59E-06
4646	494363.09	3859877.25	3.34E-03	3.41E-03	3.41E-03	1.16E-06	3.49E-06	2.02E-06	2.06E-06	1.87E-06	8.36E-07	8.53E-07	3.86E-08	9.33E-07	2.06E-07	2.80E-07	4.44E-07	7.68E-08	5.62E-08	2.04E-06
4647	494863.09	3859877.25	2.85E-03	2.91E-03	2.90E-03	9.86E-07	2.98E-06	1.72E-06	1.76E-06	1.59E-06	7.13E-07	7.26E-07	3.29E-08	7.95E-07	1.75E-07	2.39E-07	3.79E-07	6.54E-08	4.79E-08	1.73E-06
4648	495363.09	3859877.25	2.39E-03	2.43E-03	2.43E-03	8.26E-07	2.49E-06	1.44E-06	1.47E-06	1.34E-06	5.97E-07	6.09E-07	2.76E-08	6.66E-07	1.47E-07	2.00E-07	3.17E-07	5.48E-08	4.01E-08	1.45E-06
4649	495863.09	3859877.25	2.02E-03	2.06E-03	2.06E-03	6.98E-07	2.11E-06	1.22E-06	1.25E-06	1.13E-06	5.05E-07	5.14E-07	2.33E-08	5.63E-07	1.24E-07	1.69E-07	2.68E-07	4.63E-08	3.39E-08	1.23E-06
4650	496363.09	3859877.25	1.64E-03	1.68E-03	1.67E-03	5.69E-07	1.72E-06	9.94E-07	1.01E-06	9.19E-07	4.11E-07	4.19E-07	1.90E-08	4.59E-07	1.01E-07	1.38E-07	2.18E-07	3.77E-08	2.76E-08	1.00E-06
4651	496863.09	3859877.25	1.18E-03	1.21E-03	1.21E-03	4.10E-07	1.24E-06	7.16E-07	7.31E-07	6.62E-07	2.96E-07	3.02E-07	1.37E-08	3.31E-07	7.29E-08	9.92E-08	1.57E-07	2.72E-08	1.99E-08	7.21E-07
4652	497363.09	3859877.25	1.31E-03	1.33E-03	1.33E-03	4.52E-07	1.37E-06	7.91E-07	8.07E-07	7.32E-07	3.27E-07	3.33E-07	1.51E-08	3.65E-07	8.05E-08	1.10E-07	1.74E-07	3.00E-08	2.20E-08	7.96E-07
4653	497863.09	3859877.25	1.42E-03	1.45E-03	1.45E-03	4.93E-07	1.49E-06	8.62E-07	8.79E-07	7.97E-07	3.56E-07	3.63E-07	1.65E-08	3.98E-07	8.78E-08	1.19E-07	1.89E-07	3.27E-08	2.40E-08	8.67E-07
4654	498363.09	3859877.25	1.42E-03	1.45E-03	1.44E-03	4.91E-07	1.48E-06	8.57E-07	8.75E-07	7.93E-07	3.55E-07	3.61E-07	1.64E-08	3.96E-07	8.73E-08	1.19E-07	1.88E-07	3.25E-08	2.38E-08	8.63E-07
4655	471363.09	3860377.25	2.67E-04	2.72E-04	2.72E-04	9.23E-08	2.79E-07	1.61E-07	1.65E-07	1.49E-07	6.67E-08	6.80E-08	3.08E-09	7.45E-08	1.64E-08	2.24E-08	3.55E-08	6.12E-09	4.49E-09	1.62E-07
4656	471863.09	3860377.25	2.75E-04	2.81E-04	2.80E-04	9.52E-08	2.87E-07	1.66E-07	1.70E-07	1.54E-07	6.88E-08	7.01E-08	3.18E-09	7.68E-08	1.69E-08	2.30E-08	3.66E-08	6.31E-09	4.63E-09	1.67E-07
4657	472363.09	3860377.25	2.84E-04	2.90E-04	2.90E-04	9.83E-08	2.97E-07	1.72E-07	1.75E-07	1.59E-07	7.11E-08	7.25E-08	3.28E-09	7.93E-08	1.75E-08	2.38E-08	3.78E-08	6.52E-09	4.78E-09	1.73E-07
4658	472863.09	3860377.25	2.94E-04	3.00E-04	2.99E-04	1.02E-07	3.07E-07	1.78E-07	1.81E-07	1.64E-07	7.35E-08	7.49E-08	3.40E-09	8.20E-08	1.81E-08	2.46E-08	3.91E-08	6.75E-09	4.94E-09	1.79E-07
4659	473363.09	3860377.25	3.03E-04	3.09E-04	3.08E-04	1.05E-07	3.16E-07	1.83E-07	1.87E-07	1.69E-07	7.57E-08	7.72E-08	3.50E-09	8.45E-08	1.86E-08	2.54E-08	4.02E-08	6.95E-09	5.09E-09	1.84E-07
4660	473863.09	3860377.25	3.10E-04	3.16E-04	3.16E-04	1.07E-07	3.24E-07	1.88E-07	1.91E-07	1.73E-07	7.76E-08	7.91E-08	3.58E-09	8.66E-08	1.91E-08	2.60E-08	4.12E-08	7.12E-09	5.22E-09	1.89E-07
4661	474363.09	3860377.25	3.12E-04	3.19E-04	3.18E-04	1.08E-07	3.26E-07	1.89E-07	1.93E-07	1.75E-07	7.82E-08	7.97E-08	3.61E-09	8.72E-08	1.92E-08	2.62E-08	4.15E-08	7.17E-09	5.26E-09	1.90E-07
4662	474863.09	3860377.25	3.07E-04	3.13E-04	3.13E-04	1.06E-07	3.21E-07	1.86E-07	1.90E-07	1.72E-07	7.68E-08	7.83E-08	3.55E-09	8.57E-08	1.89E-08	2.57E-08	4.08E-08	7.05E-09	5.17E-09	1.87E-07
4663	475363.09	3860377.25	2.83E-04	2.89E-04	2.89E-04	9.81E-08	2.96E-07	1.72E-07	1.75E-07	1.59E-07	7.09E-08	7.23E-08	3.28E-09	7.91E-08	1.75E-08	2.38E-08	3.77E-08	6.51E-09	4.77E-09	1.73E-07
4664	475863.09	3860377.25	2.51E-04	2.56E-04	2.56E-04	8.68E-08	2.62E-07	1.52E-07	1.55E-07	1.40E-07	6.28E-08	6.40E-08	2.90E-09	7.00E-08	1.55E-08	2.10E-08	3.33E-08	5.76E-09	4.22E-09	1.53E-07
4665	476363.09	3860377.25	2.07E-04	2.11E-04	2.11E-04	7.17E-08	2.17E-07	1.25E-07	1.28E-07	1.16E-07	5.18E-08	5.28E-08	2.39E-09	5.78E-08	1.28E-08	1.74E-08	2.75E-08	4.76E-09	3.49E-09	1.26E-07
4666	476863.09	3860377.25	1.88E-04	1.92E-04	1.92E-04	6.51E-08	1.96E-07	1.14E-07	1.16E-07	1.05E-07	4.71E-08	4.80E-08	2.17E-09	5.25E-08	1.16E-08	1.58E-08	2.50E-08	4.32E-09	3.16E-09	1.14E-07
4667	477363.09	3860377.25	1.15E-04	1.17E-04	1.17E-04	3.98E-08	1.20E-07	6.95E-08	7.10E-08	6.43E-08	2.88E-08	2.93E-08	1.33E-09	3.21E-08	7.08E-09	9.63E-09	1.53E-08	2.64E-09	1.93E-09	7.00E-08

4668	477863.09	3860377.25	1.45E-04	1.48E-04	1.47E-04	5.01E-08	1.51E-07	8.75E-08	8.93E-08	8.10E-08	3.62E-08	3.69E-08	1.67E-09	4.04E-08	8.91E-09	1.21E-08	1.92E-08	3.32E-09	2.43E-09	8.81E-08
4669	478363.09	3860377.25	2.37E-04	2.42E-04	2.42E-04	8.22E-08	2.48E-07	1.44E-07	1.47E-07	1.33E-07	5.94E-08	6.06E-08	2.75E-09	6.63E-08	1.46E-08	1.99E-08	3.16E-08	5.45E-09	4.00E-09	1.45E-07
4670	478863.09	3860377.25	2.99E-04	3.05E-04	3.05E-04	1.04E-07	3.13E-07	1.81E-07	1.85E-07	1.68E-07	7.49E-08	7.64E-08	3.46E-09	8.36E-08	1.84E-08	2.51E-08	3.98E-08	6.88E-09	5.04E-09	1.82E-07
4671	479363.09	3860377.25	3.53E-04	3.60E-04	3.60E-04	1.22E-07	3.69E-07	2.14E-07	2.18E-07	1.98E-07	8.83E-08	9.00E-08	4.08E-09	9.86E-08	2.17E-08	2.96E-08	4.69E-08	8.11E-09	5.94E-09	2.15E-07
4672	479863.09	3860377.25	3.90E-04	3.97E-04	3.97E-04	1.35E-07	4.07E-07	2.36E-07	2.41E-07	2.18E-07	9.75E-08	9.94E-08	4.50E-09	1.09E-07	2.40E-08	3.27E-08	5.18E-08	8.95E-09	6.55E-09	2.37E-07
4673	480363.09	3860377.25	4.13E-04	4.22E-04	4.21E-04	1.43E-07	4.32E-07	2.50E-07	2.55E-07	2.31E-07	1.03E-07	1.05E-07	4.78E-09	1.15E-07	2.55E-08	3.47E-08	5.50E-08	9.50E-09	6.96E-09	2.52E-07
4674	480863.09	3860377.25	4.30E-04	4.39E-04	4.38E-04	1.49E-07	4.50E-07	2.60E-07	2.66E-07	2.41E-07	1.08E-07	1.10E-07	4.97E-09	1.20E-07	2.65E-08	3.61E-08	5.72E-08	9.88E-09	7.24E-09	2.62E-07
4675	481363.09	3860377.25	4.40E-04	4.49E-04	4.49E-04	1.52E-07	4.60E-07	2.66E-07	2.72E-07	2.46E-07	1.10E-07	1.12E-07	5.09E-09	1.23E-07	2.71E-08	3.69E-08	5.85E-08	1.01E-08	7.41E-09	2.68E-07
4676	481863.09	3860377.25	4.55E-04	4.64E-04	4.63E-04	1.57E-07	4.75E-07	2.75E-07	2.81E-07	2.54E-07	1.14E-07	1.16E-07	5.26E-09	1.27E-07	2.80E-08	3.81E-08	6.05E-08	1.04E-08	7.65E-09	2.77E-07
4677	482363.09	3860377.25	4.70E-04	4.79E-04	4.79E-04	1.63E-07	4.91E-07	2.84E-07	2.90E-07	2.63E-07	1.18E-07	1.20E-07	5.43E-09	1.31E-07	2.89E-08	3.94E-08	6.25E-08	1.08E-08	7.90E-09	2.86E-07
4678	482863.09	3860377.25	4.86E-04	4.96E-04	4.96E-04	1.68E-07	5.08E-07	2.94E-07	3.00E-07	2.72E-07	1.22E-07	1.24E-07	5.62E-09	1.36E-07	3.00E-08	4.08E-08	6.47E-08	1.12E-08	8.19E-09	2.96E-07
4679	483363.09	3860377.25	5.14E-04	5.25E-04	5.24E-04	1.78E-07	5.38E-07	3.11E-07	3.18E-07	2.88E-07	1.29E-07	1.31E-07	5.95E-09	1.44E-07	3.17E-08	4.31E-08	6.84E-08	1.18E-08	8.66E-09	3.13E-07
4680	483863.09	3860377.25	5.50E-04	5.61E-04	5.61E-04	1.90E-07	5.75E-07	3.33E-07	3.40E-07	3.08E-07	1.38E-07	1.40E-07	6.36E-09	1.54E-07	3.39E-08	4.61E-08	7.32E-08	1.26E-08	9.26E-09	3.35E-07
4681	484363.09	3860377.25	5.91E-04	6.03E-04	6.03E-04	2.05E-07	6.18E-07	3.58E-07	3.65E-07	3.31E-07	1.48E-07	1.51E-07	6.84E-09	1.65E-07	3.64E-08	4.96E-08	7.86E-08	1.36E-08	9.95E-09	3.60E-07
4682	484863.09	3860377.25	6.40E-04	6.53E-04	6.52E-04	2.21E-07	6.69E-07	3.87E-07	3.95E-07	3.58E-07	1.60E-07	1.63E-07	7.39E-09	1.79E-07	3.94E-08	5.36E-08	8.51E-08	1.47E-08	1.08E-08	3.90E-07
4683	485363.09	3860377.25	7.00E-04	7.14E-04	7.14E-04	2.42E-07	7.32E-07	4.24E-07	4.32E-07	3.92E-07	1.75E-07	1.79E-07	8.09E-09	1.95E-07	4.31E-08	5.87E-08	9.31E-08	1.61E-08	1.18E-08	4.26E-07
4684	485863.09	3860377.25	7.87E-04	8.03E-04	8.02E-04	2.72E-07	8.22E-07	4.76E-07	4.86E-07	4.40E-07	1.97E-07	2.01E-07	9.09E-09	2.20E-07	4.85E-08	6.60E-08	1.05E-07	1.81E-08	1.32E-08	4.79E-07
4685	486363.09	3860377.25	8.96E-04	9.15E-04	9.14E-04	3.10E-07	9.37E-07	5.42E-07	5.53E-07	5.02E-07	2.24E-07	2.29E-07	1.04E-08	2.50E-07	5.52E-08	7.51E-08	1.19E-07	2.06E-08	1.51E-08	5.46E-07
4686	486863.09	3860377.25	1.03E-03	1.05E-03	1.05E-03	3.57E-07	1.08E-06	6.24E-07	6.37E-07	5.77E-07	2.58E-07	2.63E-07	1.19E-08	2.88E-07	6.36E-08	8.65E-08	1.37E-07	2.37E-08	1.74E-08	6.28E-07
4687	487363.09	3860377.25	1.21E-03	1.24E-03	1.24E-03	4.20E-07	1.27E-06	7.34E-07	7.49E-07	6.79E-07	3.03E-07	3.09E-07	1.40E-08	3.39E-07	7.47E-08	1.02E-07	1.61E-07	2.78E-08	2.04E-08	7.38E-07
4688	487863.09	3860377.25	1.50E-03	1.54E-03	1.53E-03	5.21E-07	1.57E-06	9.11E-07	9.29E-07	8.42E-07	3.77E-07	3.84E-07	1.74E-08	4.20E-07	9.27E-08	1.26E-07	2.00E-07	3.46E-08	2.53E-08	9.16E-07
4689	488363.09	3860377.25	1.90E-03	1.94E-03	1.94E-03	6.58E-07	1.99E-06	1.15E-06	1.17E-06	1.06E-06	4.76E-07	4.85E-07	2.20E-08	5.31E-07	1.17E-07	1.59E-07	2.53E-07	4.37E-08	3.20E-08	1.16E-06
4690	488863.09	3860377.25	2.43E-03	2.48E-03	2.48E-03	8.42E-07	2.54E-06	1.47E-06	1.50E-06	1.36E-06	6.09E-07	6.20E-07	2.81E-08	6.79E-07	1.50E-07	2.04E-07	3.23E-07	5.59E-08	4.09E-08	1.48E-06
4691	489363.09	3860377.25	3.11E-03	3.17E-03	3.17E-03	1.08E-06	3.25E-06	1.88E-06	1.92E-06	1.74E-06	7.79E-07	7.94E-07	3.60E-08	8.69E-07	1.92E-07	2.61E-07	4.14E-07	7.14E-08	5.23E-08	1.89E-06
4692	489863.09	3860377.25	4.12E-03	4.21E-03	4.20E-03	1.43E-06	4.31E-06	2.50E-06	2.55E-06	2.31E-06	1.03E-06	1.05E-06	4.77E-08	1.15E-06	2.54E-07	3.46E-07	5.49E-07	9.47E-08	6.94E-08	2.51E-06
4693	490363.09	3860377.25	5.51E-03	5.62E-03	5.61E-03	1.91E-06	5.75E-06	3.33E-06	3.40E-06	3.08E-06	1.38E-06	1.40E-06	6.36E-08	1.54E-06	3.39E-07	4.61E-07	7.32E-07	1.26E-07	9.26E-08	3.35E-06
4694	490863.09	3860377.25	8.12E-03	8.29E-03	8.28E-03	2.81E-06	8.49E-06	4.92E-06	5.02E-06	4.55E-06	2.03E-06	2.07E-06	9.39E-08	2.27E-06	5.01E-07	6.81E-07	1.08E-06	1.87E-07	1.37E-07	4.95E-06
4695	491363.09	3860377.25	1.80E-02	1.84E-02	1.84E-02	6.24E-06	1.88E-05	1.09E-05	1.11E-05	1.01E-05	4.51E-06	4.60E-06	2.08E-07	5.03E-06	1.11E-06	1.51E-06	2.40E-06	4.14E-07	3.03E-07	1.10E-05
4696	491863.09	3860377.25	3.61E-02	3.69E-02	3.68E-02	1.25E-05	3.78E-05	2.19E-05	2.23E-05	2.02E-05	9.04E-06	9.22E-06	4.18E-07	1.01E-05	2.23E-06	3.03E-06	4.81E-06	8.30E-07	6.08E-07	2.20E-05
4697	492363.09	3860377.25	1.52E-02	1.55E-02	1.55E-02	5.27E-06	1.59E-05	9.22E-06	9.41E-06	8.53E-06	3.81E-06	3.89E-06	1.76E-07	4.25E-06	9.39E-07	1.28E-06	2.03E-06	3.50E-07	2.56E-07	9.28E-06
4698	492863.09	3860377.25	8.99E-03	9.17E-03	9.16E-03	3.11E-06	9.39E-06	5.44E-06	5.55E-06	5.03E-06	2.25E-06	2.29E-06	1.04E-07	2.51E-06	5.54E-07	7.53E-07	1.19E-06	2.06E-07	1.51E-07	5.47E-06
4699	493363.09	3860377.25	6.07E-03	6.20E-03	6.19E-03	2.10E-06	6.35E-06	3.67E-06	3.75E-06	3.40E-06	1.52E-06	1.55E-06	7.02E-08	1.70E-06	3.74E-07	5.09E-07	8.07E-07	1.39E-07	1.02E-07	3.70E-06
4700	493863.09	3860377.25	4.71E-03	4.81E-03	4.81E-03	1.63E-06	4.93E-06	2.85E-06	2.91E-06	2.64E-06	1.18E-06	1.20E-06	5.45E-08	1.32E-06	2.90E-07	3.95E-07	6.27E-07	1.08E-07	7.93E-08	2.87E-06
4701	494363.09	3860377.25	3.72E-03	3.80E-03	3.79E-03	1.29E-06	3.89E-06	2.25E-06	2.30E-06	2.08E-06	9.31E-07	9.49E-07	4.30E-08	1.04E-06	2.29E-07	3.12E-07	4.95E-07	8.55E-08	6.26E-08	2.27E-06
4702	494863.09	3860377.25	3.15E-03	3.21E-03	3.21E-03	1.09E-06	3.29E-06	1.90E-06	1.94E-06	1.76E-06	7.87E-07	8.02E-07	3.64E-08	8.78E-07	1.94E-07	2.64E-07	4.18E-07	7.23E-08	5.29E-08	1.92E-06
4703	495363.09	3860377.25	2.64E-03	2.69E-03	2.69E-03	9.13E-07	2.76E-06	1.60E-06	1.63E-06	1.48E-06	6.60E-07	6.73E-07	3.05E-08	7.36E-07	1.62E-07	2.21E-07	3.51E-07	6.06E-08	4.44E-08	1.61E-06
4704	495863.09	3860377.25	2.11E-03	2.15E-03	2.15E-03	7.30E-07	2.20E-06	1.28E-06	1.30E-06	1.18E-06	5.28E-07	5.38E-07	2.44E-08	5.89E-07	1.30E-07	1.77E-07	2.80E-07	4.84E-08	3.55E-08	1.28E-06
4705	496363.09	3860377.25	1.70E-03	1.73E-03	1.73E-03	5.88E-07	1.78E-06	1.03E-06	1.05E-06	9.51E-07	4.25E-07	4.33E-07	1.96E-08	4.74E-07	1.05E-07	1.42E-07	2.26E-07	3.90E-08	2.86E-08	1.03E-06
4706	496863.09	3860377.25	1.43E-03	1.46E-03	1.46E-03	4.96E-07	1.50E-06	8.67E-07	8.85E-07	8.02E-07	3.59E-07	3.66E-07	1.66E-08	4.00E-07	8.83E-08	1.20E-07	1.91E-07	3.29E-08	2.41E-08	8.73E-07
4707	497363.09	3860377.25	1.19E-03	1.22E-03	1.21E-03	4.12E-07	1.24E-06	7.21E-07	7.35E-07	6.67E-07	2.98E-07	3.04E-07	1.38E-08	3.33E-07	7.34E-08	9.98E-08	1.58E-07	2.74E-08	2.00E-08	7.25E-07
4708	497863.09	3860377.25	1.30E-03	1.33E-03	1.33E-03	4.50E-07	1.36E-06	7.87E-07	8.03E-07	7.28E-07	3.26E-07	3.32E-07	1.50E-08	3.63E-07	8.02E-08	1.09E-07	1.73E-07	2.99E-08	2.19E-08	7.92E-07
4709	498363.09	3860377.25	1.34E-03	1.37E-03	1.37E-03	4.64E-07	1.40E-06	8.12E-07	8.28E-07	7.51E-07	3.36E-07	3.42E-07	1.55E-08	3.75E-07	8.26E-08	1.12E-07	1.78E-07	3.08E-08	2.26E-08	8.17E-07
4710	471363.09	3860877.25	2.59E-04	2.64E-04	2.64E-04	8.97E-08	2.71E-07	1.57E-07	1.60E-07	1.45E-07	6.48E-08	6.61E-08	2.99E-09	7.23E-08	1.60E-08	2.17E-08	3.44E-08	5.95E-09	4.36E-09	1.58E-07
4711	471863.09	3860877.25	2.67E-04	2.72E-04	2.72E-04	9.24E-08	2.79E-07	1.62E-07	1.65E-07	1.49E-07	6.68E-08	6.81E-08	3.09E-09	7.45E-08	1.64E-08	2.24E-08	3.55E-08	6.13E-09	4.49E-09	1.63E-07
4712	472363.09	3860877.25	2.75E-04	2.80E-04	2.80E-04	9.51E-08	2.87E-07	1.66E-07	1.70E-07	1.54E-07	6.87E-08	7.01E-08	3.17E-09	7.67E-08	1.69E-08	2.30E-08	3.65E-08	6.31E-09	4.62E-09	1.67E-07
4713	472863.09	3860877.25	2.83E-04	2.89E-04	2.89E-04	9.80E-08	2.96E-07	1.71E-07	1.75E-07	1.58E-07	7.09E-08	7.22E-08	3.27E-09	7.91E-08	1.74E-08	2.37E-08	3.77E-08	6.50E-09	4.76E-09	1.72E-07
4714	473363.09	3860877.25	2.91E-04	2.96E-04	2.96E-04	1.01E-07	3.04E-07	1.76E-07	1.79E-07	1.63E-07	7.27E-08	7.41E-08	3.36E-09	8.11E-08	1.79E-08	2.44E-08	3.86E-08	6.67E-09	4.89E-09	1.77E-07
4715	473863.09	3860877.25	2.98E-04	3.04E-04	3.03E-04	1.03E-07	3.11E-07	1.80E-07	1.84E-07	1.67E-07	7.45E-08	7.59E-08	3.44E-09	8.31E-08	1.83E-08	2.49E-08	3.96E-08	6.84E-09	5.01E-09	1.81E-07
4716	474363.09	3860877.25	3.04E-04	3.10E-04	3.10E-04	1.05E-07	3.18E-07	1.84E-07	1.88E-07	1.70E-07	7.61E-08	7.76E-08	3.52E-09	8.49E-08	1.87E-08	2.55E-08	4.04E-08	6.98E-09	5.12E-09	1.85E-07
4717	474863.09	3860877.25	3.10E-04	3.16E-04	3.16E-04	1.07E-07	3.24E-07	1.88E-07	1.91E-07	1.73E-07	7.76E-08	7.91E-08	3.58E-09	8.66E-08	1.91E-08	2.60E-08	4.12E-08	7.12E-09	5.22E-09	1.89E-07
4718	475363.09	3860877.25	3.09E-04	3.15E-04	3.15E-04	1.07E-07	3.23E-07	1.87E-07	1.91E-07	1.73E-07	7.74E-08	7.88E-08	3.57E-09	8.63E-08	1.90E-08	2.59E-08	4.11E-08	7.10E-09	5.20E-09	1.88E-07
4719	475863.09	3860877.25	3.01E-04	3.07E-04	3.06E-04	1.04E-07	3.14E-07	1.82E-07	1.86E-07	1.68E-07	7.52E-08	7.67E-08	3.47E-09	8.39E-08	1.85E-08	2.52E-08	4.00E-08	6.90E-09	5.06E-09	1.83E-07
4720	476363.09	3860877.25	2.79E-04	2.85E-04	2.85E-04	9.67E-08	2.92E-07	1.69E-07	1.72E-07	1.56E-07	6.99E-08	7.13E-08	3.23E-09	7.80E-08	1.72E-08	2.34E-08	3.71E-08	6.42E-09	4.70E-09	1.70E-07
4721	476863.09	3860877.25	2.69E-04	2.75E-04	2.74E-04	9.31E-08	2.81E-07	1.63E-07	1.66E-07	1.51E-07	6.73E-08	6.86E-08	3.11E-09	7.51E-08	1.66E-08	2.26E-08	3.58E-08	6.18E-09	4.53E-09	1.64E-07
4722	477363.09	3860877.25	2.71E-04	2.76E-04	2.76E-04	9.36E-08	2.83E-07	1.64E-07	1.67E-07	1.51E-07	6.77E-08	6.90E-08	3.13E-09	7.55E-08	1.67E-08	2.27E-08	3.60E-08	6.21E-09	4.55E-09	1.65E-07
4723	477863.09	3860877.25	2.44E-04	2.49E-04	2.49E-04	8.45E-08	2.55E-07	1.48E-07	1.51E-07	1.37E-07	6.11E-08	6.22E-08	2.82E-09	6.81E-08	1.50E-08	2.05E-08	3.24E-08	5.60E-09	4.11E-09	1.49E-07
4724	478363.09	3860877.25	1.64E-04	1.67E-04	1.67E-04	5.67E-08	1.71E-07	9.91E-08	1.01E-07	9.17E-08	4.10E-08	4.18E-08	1.89E-09	4.57E-08	1.01E-08	1.37E-08	2.18E-08	3.76E-09	2.76E-09	9.98E-08

4725	478863.09	3860877.25	2.79E-04	2.84E-04	2.84E-04	9.65E-08	2.91E-07	1.69E-07	1.72E-07	1.56E-07	6.98E-08	7.11E-08	3.22E-09	7.78E-08	1.72E-08	2.34E-08	3.71E-08	6.40E-09	4.69E-09	1.70E-07
4726	479363.09	3860877.25	3.37E-04	3.43E-04	3.43E-04	1.16E-07	3.52E-07	2.04E-07	2.08E-07	1.88E-07	8.42E-08	8.58E-08	3.89E-09	9.40E-08	2.07E-08	2.82E-08	4.47E-08	7.73E-09	5.66E-09	2.05E-07
4727	479863.09	3860877.25	3.71E-04	3.79E-04	3.78E-04	1.29E-07	3.88E-07	2.25E-07	2.29E-07	2.08E-07	9.29E-08	9.47E-08	4.29E-09	1.04E-07	2.29E-08	3.11E-08	4.94E-08	8.53E-09	6.25E-09	2.26E-07
4728	480363.09	3860877.25	3.94E-04	4.02E-04	4.01E-04	1.36E-07	4.11E-07	2.38E-07	2.43E-07	2.20E-07	9.85E-08	1.00E-07	4.55E-09	1.10E-07	2.43E-08	3.30E-08	5.24E-08	9.04E-09	6.62E-09	2.40E-07
4729	480863.09	3860877.25	4.06E-04	4.14E-04	4.14E-04	1.41E-07	4.24E-07	2.46E-07	2.51E-07	2.27E-07	1.02E-07	1.04E-07	4.69E-09	1.13E-07	2.50E-08	3.40E-08	5.40E-08	9.33E-09	6.83E-09	2.47E-07
4730	481363.09	3860877.25	4.17E-04	4.26E-04	4.25E-04	1.44E-07	4.36E-07	2.52E-07	2.58E-07	2.34E-07	1.04E-07	1.06E-07	4.82E-09	1.17E-07	2.57E-08	3.50E-08	5.55E-08	9.58E-09	7.02E-09	2.54E-07
4731	481863.09	3860877.25	4.30E-04	4.39E-04	4.38E-04	1.49E-07	4.50E-07	2.60E-07	2.66E-07	2.41E-07	1.08E-07	1.10E-07	4.97E-09	1.20E-07	2.65E-08	3.61E-08	5.72E-08	9.88E-09	7.24E-09	2.62E-07
4732	482363.09	3860877.25	4.47E-04	4.56E-04	4.56E-04	1.55E-07	4.67E-07	2.70E-07	2.76E-07	2.50E-07	1.12E-07	1.14E-07	5.17E-09	1.25E-07	2.75E-08	3.75E-08	5.94E-08	1.03E-08	7.52E-09	2.72E-07
4733	482863.09	3860877.25	4.66E-04	4.76E-04	4.75E-04	1.61E-07	4.87E-07	2.82E-07	2.88E-07	2.61E-07	1.17E-07	1.19E-07	5.39E-09	1.30E-07	2.87E-08	3.91E-08	6.20E-08	1.07E-08	7.84E-09	2.84E-07
4734	483363.09	3860877.25	4.93E-04	5.03E-04	5.02E-04	1.71E-07	5.15E-07	2.98E-07	3.04E-07	2.76E-07	1.23E-07	1.26E-07	5.70E-09	1.38E-07	3.04E-08	4.13E-08	6.55E-08	1.13E-08	8.29E-09	3.00E-07
4735	483863.09	3860877.25	5.28E-04	5.39E-04	5.38E-04	1.83E-07	5.52E-07	3.20E-07	3.26E-07	2.96E-07	1.32E-07	1.35E-07	6.11E-09	1.48E-07	3.26E-08	4.43E-08	7.03E-08	1.21E-08	8.89E-09	3.22E-07
4736	484363.09	3860877.25	5.71E-04	5.83E-04	5.82E-04	1.98E-07	5.97E-07	3.46E-07	3.53E-07	3.20E-07	1.43E-07	1.46E-07	6.60E-09	1.60E-07	3.52E-08	4.79E-08	7.60E-08	1.31E-08	9.61E-09	3.48E-07
4737	484863.09	3860877.25	6.13E-04	6.26E-04	6.25E-04	2.12E-07	6.41E-07	3.71E-07	3.79E-07	3.43E-07	1.53E-07	1.56E-07	7.09E-09	1.71E-07	3.78E-08	5.14E-08	8.15E-08	1.41E-08	1.03E-08	3.73E-07
4738	485363.09	3860877.25	6.72E-04	6.86E-04	6.85E-04	2.33E-07	7.02E-07	4.07E-07	4.15E-07	3.76E-07	1.68E-07	1.71E-07	7.77E-09	1.88E-07	4.14E-08	5.63E-08	8.93E-08	1.54E-08	1.13E-08	4.09E-07
4739	485863.09	3860877.25	7.43E-04	7.58E-04	7.57E-04	2.57E-07	7.76E-07	4.49E-07	4.59E-07	4.16E-07	1.86E-07	1.89E-07	8.59E-09	2.07E-07	4.58E-08	6.23E-08	9.88E-08	1.71E-08	1.25E-08	4.52E-07
4740	486363.09	3860877.25	8.17E-04	8.33E-04	8.33E-04	2.83E-07	8.54E-07	4.94E-07	5.04E-07	4.57E-07	2.04E-07	2.08E-07	9.44E-09	2.28E-07	5.03E-08	6.85E-08	1.09E-07	1.88E-08	1.37E-08	4.97E-07
4741	486863.09	3860877.25	9.20E-04	9.38E-04	9.37E-04	3.18E-07	9.61E-07	5.56E-07	5.68E-07	5.15E-07	2.30E-07	2.35E-07	1.06E-08	2.57E-07	5.67E-08	7.71E-08	1.22E-07	2.11E-08	1.55E-08	5.60E-07
4742	487363.09	3860877.25	1.06E-03	1.08E-03	1.08E-03	3.66E-07	1.11E-06	6.40E-07	6.53E-07	5.92E-07	2.65E-07	2.70E-07	1.22E-08	2.95E-07	6.52E-08	8.87E-08	1.41E-07	2.43E-08	1.78E-08	6.44E-07
4743	487863.09	3860877.25	1.24E-03	1.26E-03	1.26E-03	4.28E-07	1.29E-06	7.48E-07	7.64E-07	6.92E-07	3.10E-07	3.16E-07	1.43E-08	3.45E-07	7.62E-08	1.04E-07	1.64E-07	2.84E-08	2.08E-08	7.53E-07
4744	488363.09	3860877.25	1.51E-03	1.54E-03	1.54E-03	5.22E-07	1.58E-06	9.13E-07	9.32E-07	8.45E-07	3.78E-07	3.85E-07	1.74E-08	4.21E-07	9.30E-08	1.27E-07	2.01E-07	3.47E-08	2.54E-08	9.19E-07
4745	488863.09	3860877.25	1.75E-03	1.79E-03	1.79E-03	6.06E-07	1.83E-06	1.06E-06	1.08E-06	9.80E-07	4.38E-07	4.47E-07	2.02E-08	4.89E-07	1.08E-07	1.47E-07	2.33E-07	4.02E-08	2.95E-08	1.07E-06
4746	489363.09	3860877.25	2.11E-03	2.15E-03	2.15E-03	7.31E-07	2.21E-06	1.28E-06	1.30E-06	1.18E-06	5.28E-07	5.38E-07	2.44E-08	5.89E-07	1.30E-07	1.77E-07	2.81E-07	4.85E-08	3.55E-08	1.29E-06
4747	489863.09	3860877.25	2.40E-03	2.45E-03	2.45E-03	8.32E-07	2.51E-06	1.45E-06	1.48E-06	1.34E-06	6.01E-07	6.13E-07	2.78E-08	6.71E-07	1.48E-07	2.01E-07	3.20E-07	5.52E-08	4.04E-08	1.46E-06
4748	490363.09	3860877.25	2.90E-03	2.96E-03	2.96E-03	1.01E-06	3.03E-06	1.76E-06	1.79E-06	1.62E-06	7.27E-07	7.41E-07	3.36E-08	8.11E-07	1.79E-07	2.43E-07	3.86E-07	6.67E-08	4.88E-08	1.77E-06
4749	490863.09	3860877.25	3.56E-03	3.63E-03	3.63E-03	1.23E-06	3.72E-06	2.15E-06	2.20E-06	1.99E-06	8.91E-07	9.08E-07	4.11E-08	9.94E-07	2.19E-07	2.98E-07	4.73E-07	8.18E-08	5.99E-08	2.17E-06
4750	491363.09	3860877.25	4.28E-03	4.36E-03	4.36E-03	1.48E-06	4.47E-06	2.59E-06	2.64E-06	2.39E-06	1.07E-06	1.09E-06	4.94E-08	1.19E-06	2.64E-07	3.59E-07	5.69E-07	9.82E-08	7.20E-08	2.60E-06
4751	491863.09	3860877.25	4.65E-03	4.74E-03	4.74E-03	1.61E-06	4.86E-06	2.81E-06	2.87E-06	2.60E-06	1.16E-06	1.19E-06	5.37E-08	1.30E-06	2.86E-07	3.90E-07	6.18E-07	1.07E-07	7.82E-08	2.83E-06
4752	492363.09	3860877.25	4.50E-03	4.59E-03	4.59E-03	1.56E-06	4.70E-06	2.72E-06	2.78E-06	2.52E-06	1.13E-06	1.15E-06	5.20E-08	1.26E-06	2.77E-07	3.77E-07	5.99E-07	1.03E-07	7.57E-08	2.74E-06
4753	492863.09	3860877.25	4.37E-03	4.46E-03	4.45E-03	1.51E-06	4.56E-06	2.64E-06	2.70E-06	2.44E-06	1.09E-06	1.11E-06	5.05E-08	1.22E-06	2.69E-07	3.66E-07	5.81E-07	1.00E-07	7.35E-08	2.66E-06
4754	493363.09	3860877.25	3.88E-03	3.96E-03	3.96E-03	1.34E-06	4.06E-06	2.35E-06	2.40E-06	2.17E-06	9.71E-07	9.90E-07	4.49E-08	1.08E-06	2.39E-07	3.25E-07	5.16E-07	8.91E-08	6.53E-08	2.36E-06
4755	493863.09	3860877.25	3.29E-03	3.36E-03	3.35E-03	1.14E-06	3.44E-06	1.99E-06	2.03E-06	1.84E-06	8.24E-07	8.39E-07	3.80E-08	9.19E-07	2.03E-07	2.76E-07	4.38E-07	7.56E-08	5.54E-08	2.00E-06
4756	494363.09	3860877.25	2.84E-03	2.90E-03	2.89E-03	9.83E-07	2.97E-06	1.72E-06	1.75E-06	1.59E-06	7.10E-07	7.24E-07	3.28E-08	7.93E-07	1.75E-07	2.38E-07	3.78E-07	6.52E-08	4.78E-08	1.73E-06
4757	494863.09	3860877.25	2.49E-03	2.54E-03	2.54E-03	8.62E-07	2.60E-06	1.51E-06	1.54E-06	1.39E-06	6.23E-07	6.35E-07	2.88E-08	6.95E-07	1.53E-07	2.09E-07	3.31E-07	5.72E-08	4.19E-08	1.52E-06
4758	495363.09	3860877.25	2.22E-03	2.26E-03	2.26E-03	7.67E-07	2.32E-06	1.34E-06	1.37E-06	1.24E-06	5.55E-07	5.65E-07	2.56E-08	6.19E-07	1.37E-07	1.86E-07	2.95E-07	5.09E-08	3.73E-08	1.35E-06
4759	495863.09	3860877.25	1.98E-03	2.02E-03	2.02E-03	6.85E-07	2.07E-06	1.20E-06	1.22E-06	1.11E-06	4.95E-07	5.05E-07	2.29E-08	5.52E-07	1.22E-07	1.66E-07	2.63E-07	4.54E-08	3.33E-08	1.21E-06
4760	496363.09	3860877.25	1.79E-03	1.83E-03	1.83E-03	6.21E-07	1.88E-06	1.09E-06	1.11E-06	1.00E-06	4.49E-07	4.58E-07	2.07E-08	5.01E-07	1.11E-07	1.50E-07	2.39E-07	4.12E-08	3.02E-08	1.09E-06
4761	496863.09	3860877.25	1.52E-03	1.55E-03	1.55E-03	5.26E-07	1.59E-06	9.19E-07	9.38E-07	8.50E-07	3.80E-07	3.87E-07	1.76E-08	4.24E-07	9.36E-08	1.27E-07	2.02E-07	3.49E-08	2.56E-08	9.25E-07
4762	497363.09	3860877.25	1.40E-03	1.43E-03	1.43E-03	4.86E-07	1.47E-06	8.49E-07	8.66E-07	7.85E-07	3.51E-07	3.58E-07	1.62E-08	3.92E-07	8.64E-08	1.18E-07	1.87E-07	3.22E-08	2.36E-08	8.54E-07
4763	497863.09	3860877.25	1.27E-03	1.30E-03	1.29E-03	4.40E-07	1.33E-06	7.68E-07	7.84E-07	7.11E-07	3.18E-07	3.24E-07	1.47E-08	3.55E-07	7.82E-08	1.06E-07	1.69E-07	2.92E-08	2.14E-08	7.73E-07
4764	498363.09	3860877.25	1.25E-03	1.27E-03	1.27E-03	4.31E-07	1.30E-06	7.54E-07	7.69E-07	6.97E-07	3.12E-07	3.18E-07	1.44E-08	3.48E-07	7.68E-08	1.04E-07	1.66E-07	2.86E-08	2.10E-08	7.59E-07
4765	471363.09	3861377.25	2.52E-04	2.57E-04	2.57E-04	8.73E-08	2.64E-07	1.53E-07	1.56E-07	1.41E-07	6.31E-08	6.43E-08	2.92E-09	7.04E-08	1.55E-08	2.11E-08	3.35E-08	5.79E-09	4.24E-09	1.54E-07
4766	471863.09	3861377.25	2.59E-04	2.65E-04	2.64E-04	8.98E-08	2.71E-07	1.57E-07	1.60E-07	1.45E-07	6.49E-08	6.61E-08	3.00E-09	7.24E-08	1.60E-08	2.17E-08	3.45E-08	5.96E-09	4.36E-09	1.58E-07
4767	472363.09	3861377.25	2.66E-04	2.72E-04	2.71E-04	9.21E-08	2.78E-07	1.61E-07	1.64E-07	1.49E-07	6.66E-08	6.79E-08	3.08E-09	7.43E-08	1.64E-08	2.23E-08	3.54E-08	6.11E-09	4.48E-09	1.62E-07
4768	472863.09	3861377.25	2.73E-04	2.79E-04	2.79E-04	9.47E-08	2.86E-07	1.65E-07	1.69E-07	1.53E-07	6.84E-08	6.98E-08	3.16E-09	7.64E-08	1.68E-08	2.29E-08	3.64E-08	6.28E-09	4.60E-09	1.67E-07
4769	473363.09	3861377.25	2.80E-04	2.86E-04	2.86E-04	9.70E-08	2.93E-07	1.70E-07	1.73E-07	1.57E-07	7.01E-08	7.15E-08	3.24E-09	7.82E-08	1.73E-08	2.35E-08	3.73E-08	6.44E-09	4.71E-09	1.71E-07
4770	473863.09	3861377.25	2.87E-04	2.93E-04	2.92E-04	9.92E-08	3.00E-07	1.73E-07	1.77E-07	1.60E-07	7.18E-08	7.31E-08	3.31E-09	8.01E-08	1.77E-08	2.40E-08	3.81E-08	6.59E-09	4.82E-09	1.75E-07
4771	474363.09	3861377.25	2.94E-04	3.00E-04	3.00E-04	1.02E-07	3.07E-07	1.78E-07	1.82E-07	1.65E-07	7.36E-08	7.50E-08	3.40E-09	8.21E-08	1.81E-08	2.47E-08	3.91E-08	6.75E-09	4.95E-09	1.79E-07
4772	474863.09	3861377.25	2.99E-04	3.05E-04	3.05E-04	1.04E-07	3.13E-07	1.81E-07	1.85E-07	1.68E-07	7.49E-08	7.64E-08	3.46E-09	8.36E-08	1.84E-08	2.51E-08	3.98E-08	6.88E-09	5.04E-09	1.82E-07
4773	475363.09	3861377.25	3.07E-04	3.13E-04	3.13E-04	1.06E-07	3.21E-07	1.86E-07	1.89E-07	1.72E-07	7.68E-08	7.82E-08	3.55E-09	8.56E-08	1.89E-08	2.57E-08	4.08E-08	7.05E-09	5.16E-09	1.87E-07
4774	475863.09	3861377.25	3.09E-04	3.15E-04	3.15E-04	1.07E-07	3.23E-07	1.87E-07	1.91E-07	1.73E-07	7.74E-08	7.88E-08	3.57E-09	8.63E-08	1.90E-08	2.59E-08	4.11E-08	7.10E-09	5.20E-09	1.88E-07
4775	476363.09	3861377.25	3.07E-04	3.13E-04	3.13E-04	1.06E-07	3.21E-07	1.86E-07	1.89E-07	1.72E-07	7.68E-08	7.82E-08	3.55E-09	8.56E-08	1.89E-08	2.57E-08	4.08E-08	7.05E-09	5.16E-09	1.87E-07
4776	476863.09	3861377.25	3.04E-04	3.10E-04	3.10E-04	1.05E-07	3.18E-07	1.84E-07	1.88E-07	1.70E-07	7.60E-08	7.75E-08	3.51E-09	8.48E-08	1.87E-08	2.55E-08	4.04E-08	6.98E-09	5.11E-09	1.85E-07
4777	477363.09	3861377.25	3.03E-04	3.09E-04	3.08E-04	1.05E-07	3.16E-07	1.83E-07	1.87E-07	1.69E-07	7.57E-08	7.72E-08	3.50E-09	8.45E-08	1.86E-08	2.54E-08	4.02E-08	6.95E-09	5.09E-09	1.84E-07
4778	477863.09	3861377.25	2.69E-04	2.75E-04	2.74E-04	9.32E-08	2.81E-07	1.63E-07	1.66E-07	1.51E-07	6.74E-08	6.87E-08	3.11E-09	7.52E-08	1.66E-08	2.26E-08	3.58E-08	6.19E-09	4.53E-09	1.64E-07
4779	478363.09	3861377.25	1.88E-04	1.92E-04	1.92E-04	6.51E-08	1.96E-07	1.14E-07	1.16E-07	1.05E-07	4.71E-08	4.80E-08	2.17E-09	5.25E-08	1.16E-08	1.58E-08	2.50E-08	4.32E-09	3.16E-09	1.14E-07
4780	478863.09	3861377.25	2.16E-04	2.20E-04	2.20E-04	7.48E-08	2.26E-07	1.31E-07	1.33E-07	1.21E-07	5.41E-08	5.51E-08	2.50E-09	6.03E-08	1.33E-08	1.81E-08	2.87E-08	4.96E-09	3.63E-09	1.32E-07
4781	479363.09	3861377.25	3.11E-04	3.18E-04	3.17E-04	1.08E-07	3.25E-07	1.88E-07	1.92E-07	1.74E-07	7.79E-08	7.94E-08	3.60E-09	8.69E-08	1.92E-08	2.61E-08	4.14E-08	7.15E-09	5.24E-09	1.89E-07

4782	479863.09	3861377.25	3.51E-04	3.58E-04	3.58E-04	1.21E-07	3.67E-07	2.12E-07	2.17E-07	1.96E-07	8.78E-08	8.95E-08	4.06E-09	9.80E-08	2.16E-08	2.94E-08	4.67E-08	8.06E-09	5.90E-09	2.14E-07
4783	480363.09	3861377.25	3.76E-04	3.84E-04	3.83E-04	1.30E-07	3.93E-07	2.27E-07	2.32E-07	2.10E-07	9.41E-08	9.59E-08	4.35E-09	1.05E-07	2.32E-08	3.15E-08	5.00E-08	8.64E-09	6.33E-09	2.29E-07
4784	480863.09	3861377.25	3.87E-04	3.95E-04	3.95E-04	1.34E-07	4.05E-07	2.34E-07	2.39E-07	2.17E-07	9.70E-08	9.88E-08	4.48E-09	1.08E-07	2.39E-08	3.25E-08	5.15E-08	8.90E-09	6.52E-09	2.36E-07
4785	481363.09	3861377.25	3.99E-04	4.07E-04	4.07E-04	1.38E-07	4.17E-07	2.42E-07	2.47E-07	2.23E-07	9.99E-08	1.02E-07	4.62E-09	1.11E-07	2.46E-08	3.35E-08	5.31E-08	9.17E-09	6.72E-09	2.43E-07
4786	481863.09	3861377.25	4.14E-04	4.22E-04	4.22E-04	1.43E-07	4.33E-07	2.50E-07	2.56E-07	2.32E-07	1.04E-07	1.06E-07	4.79E-09	1.16E-07	2.55E-08	3.47E-08	5.51E-08	9.51E-09	6.97E-09	2.52E-07
4787	482363.09	3861377.25	4.31E-04	4.39E-04	4.39E-04	1.49E-07	4.50E-07	2.60E-07	2.66E-07	2.41E-07	1.08E-07	1.10E-07	4.98E-09	1.20E-07	2.65E-08	3.61E-08	5.72E-08	9.89E-09	7.24E-09	2.62E-07
4788	482863.09	3861377.25	4.49E-04	4.58E-04	4.58E-04	1.55E-07	4.69E-07	2.72E-07	2.77E-07	2.51E-07	1.12E-07	1.15E-07	5.19E-09	1.25E-07	2.77E-08	3.76E-08	5.97E-08	1.03E-08	7.56E-09	2.73E-07
4789	483363.09	3861377.25	4.74E-04	4.84E-04	4.83E-04	1.64E-07	4.96E-07	2.87E-07	2.93E-07	2.65E-07	1.19E-07	1.21E-07	5.48E-09	1.32E-07	2.92E-08	3.97E-08	6.30E-08	1.09E-08	7.98E-09	2.89E-07
4790	483863.09	3861377.25	5.10E-04	5.20E-04	5.20E-04	1.77E-07	5.33E-07	3.09E-07	3.15E-07	2.85E-07	1.28E-07	1.30E-07	5.90E-09	1.42E-07	3.14E-08	4.28E-08	6.78E-08	1.17E-08	8.58E-09	3.11E-07
4791	484363.09	3861377.25	5.49E-04	5.60E-04	5.60E-04	1.90E-07	5.74E-07	3.32E-07	3.39E-07	3.07E-07	1.37E-07	1.40E-07	6.35E-09	1.53E-07	3.38E-08	4.60E-08	7.30E-08	1.26E-08	9.24E-09	3.34E-07
4792	484863.09	3861377.25	5.87E-04	5.99E-04	5.99E-04	2.03E-07	6.14E-07	3.55E-07	3.63E-07	3.29E-07	1.47E-07	1.50E-07	6.79E-09	1.64E-07	3.62E-08	4.92E-08	7.81E-08	1.35E-08	9.88E-09	3.58E-07
4793	485363.09	3861377.25	6.22E-04	6.35E-04	6.34E-04	2.15E-07	6.50E-07	3.77E-07	3.84E-07	3.48E-07	1.56E-07	1.59E-07	7.19E-09	1.74E-07	3.83E-08	5.22E-08	8.28E-08	1.43E-08	1.05E-08	3.79E-07
4794	485863.09	3861377.25	6.75E-04	6.89E-04	6.88E-04	2.34E-07	7.05E-07	4.08E-07	4.17E-07	3.78E-07	1.69E-07	1.72E-07	7.80E-09	1.88E-07	4.16E-08	5.66E-08	8.97E-08	1.55E-08	1.14E-08	4.11E-07
4795	486363.09	3861377.25	7.36E-04	7.51E-04	7.50E-04	2.55E-07	7.69E-07	4.45E-07	4.54E-07	4.12E-07	1.84E-07	1.88E-07	8.51E-09	2.05E-07	4.53E-08	6.17E-08	9.78E-08	1.69E-08	1.24E-08	4.48E-07
4796	486863.09	3861377.25	8.17E-04	8.33E-04	8.33E-04	2.83E-07	8.54E-07	4.94E-07	5.04E-07	4.57E-07	2.04E-07	2.08E-07	9.44E-09	2.28E-07	5.03E-08	6.85E-08	1.09E-07	1.88E-08	1.37E-08	4.97E-07
4797	487363.09	3861377.25	9.18E-04	9.37E-04	9.36E-04	3.18E-07	9.59E-07	5.55E-07	5.67E-07	5.14E-07	2.30E-07	2.34E-07	1.06E-08	2.56E-07	5.66E-08	7.69E-08	1.22E-07	2.11E-08	1.54E-08	5.59E-07
4798	487863.09	3861377.25	1.04E-03	1.06E-03	1.06E-03	3.59E-07	1.09E-06	6.28E-07	6.41E-07	5.81E-07	2.60E-07	2.65E-07	1.20E-08	2.90E-07	6.40E-08	8.70E-08	1.38E-07	2.38E-08	1.75E-08	6.32E-07
4799	488363.09	3861377.25	1.16E-03	1.19E-03	1.19E-03	4.03E-07	1.22E-06	7.04E-07	7.18E-07	6.51E-07	2.91E-07	2.97E-07	1.35E-08	3.25E-07	7.17E-08	9.75E-08	1.55E-07	2.67E-08	1.96E-08	7.09E-07
4800	488863.09	3861377.25	1.33E-03	1.35E-03	1.35E-03	4.59E-07	1.39E-06	8.03E-07	8.19E-07	7.43E-07	3.32E-07	3.38E-07	1.53E-08	3.70E-07	8.18E-08	1.11E-07	1.76E-07	3.05E-08	2.23E-08	8.08E-07
4801	489363.09	3861377.25	1.47E-03	1.50E-03	1.50E-03	5.08E-07	1.53E-06	8.89E-07	9.07E-07	8.22E-07	3.68E-07	3.75E-07	1.70E-08	4.10E-07	9.05E-08	1.23E-07	1.95E-07	3.37E-08	2.47E-08	8.94E-07
4802	489863.09	3861377.25	1.64E-03	1.67E-03	1.67E-03	5.67E-07	1.71E-06	9.90E-07	1.01E-06	9.16E-07	4.10E-07	4.18E-07	1.89E-08	4.57E-07	1.01E-07	1.37E-07	2.18E-07	3.76E-08	2.75E-08	9.97E-07
4803	490363.09	3861377.25	1.77E-03	1.81E-03	1.80E-03	6.13E-07	1.85E-06	1.07E-06	1.09E-06	9.91E-07	4.43E-07	4.52E-07	2.05E-08	4.94E-07	1.09E-07	1.48E-07	2.35E-07	4.07E-08	2.98E-08	1.08E-06
4804	490863.09	3861377.25	1.94E-03	1.98E-03	1.98E-03	6.72E-07	2.03E-06	1.17E-06	1.20E-06	1.09E-06	4.86E-07	4.95E-07	2.24E-08	5.42E-07	1.20E-07	1.63E-07	2.58E-07	4.46E-08	3.27E-08	1.18E-06
4805	491363.09	3861377.25	2.04E-03	2.08E-03	2.08E-03	7.06E-07	2.13E-06	1.23E-06	1.26E-06	1.14E-06	5.11E-07	5.21E-07	2.36E-08	5.70E-07	1.26E-07	1.71E-07	2.71E-07	4.69E-08	3.43E-08	1.24E-06
4806	491863.09	3861377.25	2.01E-03	2.05E-03	2.05E-03	6.96E-07	2.10E-06	1.22E-06	1.24E-06	1.12E-06	5.03E-07	5.13E-07	2.32E-08	5.61E-07	1.24E-07	1.68E-07	2.67E-07	4.62E-08	3.38E-08	1.22E-06
4807	492363.09	3861377.25	2.03E-03	2.07E-03	2.07E-03	7.03E-07	2.12E-06	1.23E-06	1.25E-06	1.14E-06	5.08E-07	5.18E-07	2.35E-08	5.67E-07	1.25E-07	1.70E-07	2.70E-07	4.66E-08	3.42E-08	1.24E-06
4808	492863.09	3861377.25	1.96E-03	2.00E-03	2.00E-03	6.78E-07	2.05E-06	1.19E-06	1.21E-06	1.10E-06	4.90E-07	5.00E-07	2.27E-08	5.47E-07	1.21E-07	1.64E-07	2.61E-07	4.50E-08	3.30E-08	1.19E-06
4809	493363.09	3861377.25	2.02E-03	2.06E-03	2.06E-03	7.00E-07	2.11E-06	1.22E-06	1.25E-06	1.13E-06	5.06E-07	5.16E-07	2.34E-08	5.64E-07	1.25E-07	1.69E-07	2.69E-07	4.64E-08	3.40E-08	1.23E-06
4810	493863.09	3861377.25	1.97E-03	2.01E-03	2.01E-03	6.84E-07	2.06E-06	1.19E-06	1.22E-06	1.11E-06	4.94E-07	5.04E-07	2.28E-08	5.51E-07	1.22E-07	1.66E-07	2.63E-07	4.54E-08	3.32E-08	1.20E-06
4811	494363.09	3861377.25	1.84E-03	1.88E-03	1.88E-03	6.37E-07	1.92E-06	1.11E-06	1.14E-06	1.03E-06	4.61E-07	4.69E-07	2.13E-08	5.14E-07	1.13E-07	1.54E-07	2.45E-07	4.23E-08	3.10E-08	1.12E-06
4812	494863.09	3861377.25	1.72E-03	1.75E-03	1.75E-03	5.95E-07	1.80E-06	1.04E-06	1.06E-06	9.62E-07	4.30E-07	4.39E-07	1.99E-08	4.80E-07	1.06E-07	1.44E-07	2.29E-07	3.95E-08	2.89E-08	1.05E-06
4813	495363.09	3861377.25	1.60E-03	1.64E-03	1.63E-03	5.55E-07	1.68E-06	9.70E-07	9.90E-07	8.97E-07	4.01E-07	4.09E-07	1.85E-08	4.47E-07	9.87E-08	1.34E-07	2.13E-07	3.68E-08	2.70E-08	9.76E-07
4814	495863.09	3861377.25	1.49E-03	1.52E-03	1.52E-03	5.15E-07	1.56E-06	9.01E-07	9.19E-07	8.33E-07	3.73E-07	3.80E-07	1.72E-08	4.16E-07	9.17E-08	1.25E-07	1.98E-07	3.42E-08	2.50E-08	9.07E-07
4815	496363.09	3861377.25	1.41E-03	1.44E-03	1.44E-03	4.90E-07	1.48E-06	8.56E-07	8.73E-07	7.92E-07	3.54E-07	3.61E-07	1.64E-08	3.95E-07	8.72E-08	1.19E-07	1.88E-07	3.25E-08	2.38E-08	8.62E-07
4816	496863.09	3861377.25	1.35E-03	1.38E-03	1.38E-03	4.67E-07	1.41E-06	8.17E-07	8.33E-07	7.56E-07	3.38E-07	3.44E-07	1.56E-08	3.77E-07	8.32E-08	1.13E-07	1.80E-07	3.10E-08	2.27E-08	8.22E-07
4817	497363.09	3861377.25	1.27E-03	1.29E-03	1.29E-03	4.39E-07	1.33E-06	7.68E-07	7.83E-07	7.10E-07	3.18E-07	3.24E-07	1.47E-08	3.54E-07	7.82E-08	1.06E-07	1.69E-07	2.91E-08	2.13E-08	7.73E-07
4818	497863.09	3861377.25	1.19E-03	1.22E-03	1.22E-03	4.14E-07	1.25E-06	7.23E-07	7.38E-07	6.69E-07	2.99E-07	3.05E-07	1.38E-08	3.34E-07	7.36E-08	1.00E-07	1.59E-07	2.74E-08	2.01E-08	7.28E-07
4819	498363.09	3861377.25	1.13E-03	1.16E-03	1.15E-03	3.92E-07	1.18E-06	6.85E-07	6.99E-07	6.34E-07	2.83E-07	2.89E-07	1.31E-08	3.16E-07	6.98E-08	9.49E-08	1.51E-07	2.60E-08	1.91E-08	6.90E-07
4820	471363.09	3861877.25	2.43E-04	2.48E-04	2.48E-04	8.43E-08	2.54E-07	1.47E-07	1.50E-07	1.36E-07	6.09E-08	6.21E-08	2.81E-09	6.80E-08	1.50E-08	2.04E-08	3.24E-08	5.59E-09	4.10E-09	1.48E-07
4821	471863.09	3861877.25	2.49E-04	2.54E-04	2.54E-04	8.63E-08	2.61E-07	1.51E-07	1.54E-07	1.40E-07	6.24E-08	6.36E-08	2.88E-09	6.96E-08	1.54E-08	2.09E-08	3.32E-08	5.73E-09	4.19E-09	1.52E-07
4822	472363.09	3861877.25	2.55E-04	2.61E-04	2.60E-04	8.84E-08	2.67E-07	1.55E-07	1.58E-07	1.43E-07	6.39E-08	6.52E-08	2.95E-09	7.13E-08	1.57E-08	2.14E-08	3.40E-08	5.87E-09	4.30E-09	1.56E-07
4823	472863.09	3861877.25	2.62E-04	2.68E-04	2.67E-04	9.08E-08	2.74E-07	1.59E-07	1.62E-07	1.47E-07	6.56E-08	6.69E-08	3.03E-09	7.32E-08	1.62E-08	2.20E-08	3.49E-08	6.02E-09	4.41E-09	1.60E-07
4824	473363.09	3861877.25	2.69E-04	2.74E-04	2.74E-04	9.30E-08	2.81E-07	1.63E-07	1.66E-07	1.50E-07	6.73E-08	6.85E-08	3.11E-09	7.50E-08	1.66E-08	2.25E-08	3.57E-08	6.17E-09	4.52E-09	1.64E-07
4825	473863.09	3861877.25	2.75E-04	2.81E-04	2.80E-04	9.52E-08	2.87E-07	1.66E-07	1.70E-07	1.54E-07	6.88E-08	7.01E-08	3.18E-09	7.68E-08	1.69E-08	2.30E-08	3.66E-08	6.31E-09	4.63E-09	1.67E-07
4826	474363.09	3861877.25	2.81E-04	2.87E-04	2.87E-04	9.74E-08	2.94E-07	1.70E-07	1.74E-07	1.57E-07	7.04E-08	7.18E-08	3.25E-09	7.86E-08	1.73E-08	2.36E-08	3.74E-08	6.46E-09	4.73E-09	1.71E-07
4827	474863.09	3861877.25	2.87E-04	2.93E-04	2.93E-04	9.93E-08	3.00E-07	1.74E-07	1.77E-07	1.61E-07	7.18E-08	7.32E-08	3.32E-09	8.01E-08	1.77E-08	2.41E-08	3.82E-08	6.59E-09	4.83E-09	1.75E-07
4828	475363.09	3861877.25	2.92E-04	2.98E-04	2.98E-04	1.01E-07	3.06E-07	1.77E-07	1.80E-07	1.64E-07	7.32E-08	7.46E-08	3.38E-09	8.16E-08	1.80E-08	2.45E-08	3.89E-08	6.71E-09	4.92E-09	1.78E-07
4829	475863.09	3861877.25	2.97E-04	3.03E-04	3.03E-04	1.03E-07	3.11E-07	1.80E-07	1.84E-07	1.66E-07	7.44E-08	7.58E-08	3.44E-09	8.30E-08	1.83E-08	2.49E-08	3.95E-08	6.83E-09	5.00E-09	1.81E-07
4830	476363.09	3861877.25	3.01E-04	3.08E-04	3.07E-04	1.04E-07	3.15E-07	1.82E-07	1.86E-07	1.69E-07	7.54E-08	7.69E-08	3.48E-09	8.42E-08	1.86E-08	2.53E-08	4.01E-08	6.92E-09	5.07E-09	1.84E-07
4831	476863.09	3861877.25	3.03E-04	3.09E-04	3.09E-04	1.05E-07	3.17E-07	1.83E-07	1.87E-07	1.70E-07	7.58E-08	7.73E-08	3.50E-09	8.46E-08	1.87E-08	2.54E-08	4.03E-08	6.96E-09	5.10E-09	1.84E-07
4832	477363.09	3861877.25	3.02E-04	3.08E-04	3.08E-04	1.04E-07	3.15E-07	1.83E-07	1.86E-07	1.69E-07	7.55E-08	7.70E-08	3.49E-09	8.43E-08	1.86E-08	2.53E-08	4.01E-08	6.93E-09	5.08E-09	1.84E-07
4833	477863.09	3861877.25	2.61E-04	2.66E-04	2.66E-04	9.03E-08	2.73E-07	1.58E-07	1.61E-07	1.46E-07	6.53E-08	6.65E-08	3.01E-09	7.28E-08	1.61E-08	2.19E-08	3.47E-08	5.99E-09	4.39E-09	1.59E-07
4834	478363.09	3861877.25	1.59E-04	1.62E-04	1.62E-04	5.51E-08	1.66E-07	9.63E-08	9.82E-08	8.91E-08	3.98E-08	4.06E-08	1.84E-09	4.44E-08	9.80E-09	1.33E-08	2.12E-08	3.65E-09	2.68E-09	9.69E-08
4835	478863.09	3861877.25	2.27E-04	2.31E-04	2.31E-04	7.84E-08	2.37E-07	1.37E-07	1.40E-07	1.27E-07	5.67E-08	5.78E-08	2.62E-09	6.33E-08	1.40E-08	1.90E-08	3.01E-08	5.20E-09	3.81E-09	1.38E-07
4836	479363.09	3861877.25	2.10E-04	2.14E-04	2.14E-04	7.27E-08	2.20E-07	1.27E-07	1.30E-07	1.18E-07	5.26E-08	5.36E-08	2.43E-09	5.87E-08	1.29E-08	1.76E-08	2.79E-08	4.83E-09	3.53E-09	1.28E-07
4837	479863.09	3861877.25	3.32E-04	3.39E-04	3.39E-04	1.15E-07	3.47E-07	2.01E-07	2.05E-07	1.86E-07	8.32E-08	8.48E-08	3.84E-09	9.28E-08	2.05E-08	2.79E-08	4.42E-08	7.63E-09	5.59E-09	2.02E-07
4838	480363.09	3861877.25	3.59E-04	3.67E-04	3.66E-04	1.24E-07	3.76E-07	2.18E-07	2.22E-07	2.01E-07	9.00E-08	9.17E-08	4.16E-09	1.00E-07	2.21E-08	3.01E-08	4.78E-08	8.26E-09	6.05E-09	2.19E-07

4839	480863.09	3861877.25	3.70E-04	3.77E-04	3.77E-04	1.28E-07	3.87E-07	2.24E-07	2.28E-07	2.07E-07	9.26E-08	9.43E-08	4.27E-09	1.03E-07	2.28E-08	3.10E-08	4.92E-08	8.49E-09	6.22E-09	2.25E-07
4840	481363.09	3861877.25	3.81E-04	3.88E-04	3.88E-04	1.32E-07	3.98E-07	2.30E-07	2.35E-07	2.13E-07	9.53E-08	9.71E-08	4.40E-09	1.06E-07	2.35E-08	3.19E-08	5.06E-08	8.74E-09	6.41E-09	2.32E-07
4841	481863.09	3861877.25	3.94E-04	4.02E-04	4.02E-04	1.36E-07	4.12E-07	2.39E-07	2.43E-07	2.21E-07	9.87E-08	1.01E-07	4.56E-09	1.10E-07	2.43E-08	3.31E-08	5.24E-08	9.06E-09	6.63E-09	2.40E-07
4842	482363.09	3861877.25	4.10E-04	4.19E-04	4.18E-04	1.42E-07	4.29E-07	2.48E-07	2.53E-07	2.30E-07	1.03E-07	1.05E-07	4.74E-09	1.15E-07	2.53E-08	3.44E-08	5.46E-08	9.43E-09	6.91E-09	2.50E-07
4843	482863.09	3861877.25	4.31E-04	4.40E-04	4.39E-04	1.49E-07	4.50E-07	2.61E-07	2.66E-07	2.41E-07	1.08E-07	1.10E-07	4.98E-09	1.20E-07	2.65E-08	3.61E-08	5.73E-08	9.89E-09	7.25E-09	2.62E-07
4844	483363.09	3861877.25	4.56E-04	4.65E-04	4.64E-04	1.58E-07	4.76E-07	2.76E-07	2.81E-07	2.55E-07	1.14E-07	1.16E-07	5.27E-09	1.27E-07	2.81E-08	3.82E-08	6.06E-08	1.05E-08	7.66E-09	2.77E-07
4845	483863.09	3861877.25	4.84E-04	4.93E-04	4.93E-04	1.67E-07	5.05E-07	2.93E-07	2.99E-07	2.71E-07	1.21E-07	1.23E-07	5.59E-09	1.35E-07	2.98E-08	4.05E-08	6.43E-08	1.11E-08	8.14E-09	2.94E-07
4846	484363.09	3861877.25	5.12E-04	5.22E-04	5.22E-04	1.77E-07	5.35E-07	3.10E-07	3.16E-07	2.86E-07	1.28E-07	1.31E-07	5.92E-09	1.43E-07	3.15E-08	4.29E-08	6.81E-08	1.18E-08	8.61E-09	3.12E-07
4847	484863.09	3861877.25	5.44E-04	5.55E-04	5.54E-04	1.88E-07	5.68E-07	3.29E-07	3.36E-07	3.04E-07	1.36E-07	1.39E-07	6.28E-09	1.52E-07	3.35E-08	4.56E-08	7.23E-08	1.25E-08	9.15E-09	3.31E-07
4848	485363.09	3861877.25	5.78E-04	5.90E-04	5.89E-04	2.00E-07	6.04E-07	3.50E-07	3.57E-07	3.23E-07	1.45E-07	1.47E-07	6.68E-09	1.61E-07	3.56E-08	4.84E-08	7.68E-08	1.33E-08	9.72E-09	3.52E-07
4849	485863.09	3861877.25	6.12E-04	6.24E-04	6.23E-04	2.12E-07	6.39E-07	3.70E-07	3.78E-07	3.42E-07	1.53E-07	1.56E-07	7.07E-09	1.71E-07	3.77E-08	5.13E-08	8.13E-08	1.41E-08	1.03E-08	3.73E-07
4850	486363.09	3861877.25	6.61E-04	6.75E-04	6.74E-04	2.29E-07	6.91E-07	4.00E-07	4.08E-07	3.70E-07	1.65E-07	1.69E-07	7.64E-09	1.85E-07	4.07E-08	5.54E-08	8.79E-08	1.52E-08	1.11E-08	4.03E-07
4851	486863.09	3861877.25	7.23E-04	7.38E-04	7.37E-04	2.50E-07	7.56E-07	4.38E-07	4.47E-07	4.05E-07	1.81E-07	1.85E-07	8.36E-09	2.02E-07	4.46E-08	6.06E-08	9.62E-08	1.66E-08	1.22E-08	4.41E-07
4852	487363.09	3861877.25	7.98E-04	8.15E-04	8.14E-04	2.76E-07	8.34E-07	4.83E-07	4.93E-07	4.47E-07	2.00E-07	2.04E-07	9.23E-09	2.23E-07	4.92E-08	6.69E-08	1.06E-07	1.83E-08	1.34E-08	4.86E-07
4853	487863.09	3861877.25	8.74E-04	8.92E-04	8.91E-04	3.03E-07	9.13E-07	5.29E-07	5.40E-07	4.89E-07	2.19E-07	2.23E-07	1.01E-08	2.44E-07	5.38E-08	7.33E-08	1.16E-07	2.01E-08	1.47E-08	5.32E-07
4854	488363.09	3861877.25	9.54E-04	9.73E-04	9.72E-04	3.30E-07	9.97E-07	5.77E-07	5.89E-07	5.34E-07	2.39E-07	2.43E-07	1.10E-08	2.66E-07	5.88E-08	7.99E-08	1.27E-07	2.19E-08	1.60E-08	5.81E-07
4855	488863.09	3861877.25	1.03E-03	1.05E-03	1.05E-03	3.58E-07	1.08E-06	6.25E-07	6.38E-07	5.78E-07	2.59E-07	2.64E-07	1.19E-08	2.88E-07	6.37E-08	8.66E-08	1.37E-07	2.37E-08	1.74E-08	6.29E-07
4856	489363.09	3861877.25	1.09E-03	1.11E-03	1.11E-03	3.78E-07	1.14E-06	6.60E-07	6.73E-07	6.10E-07	2.73E-07	2.78E-07	1.26E-08	3.05E-07	6.72E-08	9.14E-08	1.45E-07	2.50E-08	1.83E-08	6.64E-07
4857	489863.09	3861877.25	1.17E-03	1.19E-03	1.19E-03	4.04E-07	1.22E-06	7.06E-07	7.20E-07	6.53E-07	2.92E-07	2.98E-07	1.35E-08	3.26E-07	7.19E-08	9.78E-08	1.55E-07	2.68E-08	1.96E-08	7.11E-07
4858	490363.09	3861877.25	1.22E-03	1.25E-03	1.24E-03	4.23E-07	1.28E-06	7.39E-07	7.54E-07	6.84E-07	3.06E-07	3.12E-07	1.41E-08	3.41E-07	7.53E-08	1.02E-07	1.62E-07	2.81E-08	2.06E-08	7.44E-07
4859	490863.09	3861877.25	1.27E-03	1.29E-03	1.29E-03	4.38E-07	1.32E-06	7.66E-07	7.82E-07	7.09E-07	3.17E-07	3.23E-07	1.46E-08	3.53E-07	7.80E-08	1.06E-07	1.68E-07	2.91E-08	2.13E-08	7.71E-07
4860	491363.09	3861877.25	1.28E-03	1.30E-03	1.30E-03	4.42E-07	1.33E-06	7.73E-07	7.88E-07	7.15E-07	3.20E-07	3.26E-07	1.48E-08	3.57E-07	7.87E-08	1.07E-07	1.70E-07	2.93E-08	2.15E-08	7.78E-07
4861	491863.09	3861877.25	1.28E-03	1.30E-03	1.30E-03	4.42E-07	1.34E-06	7.73E-07	7.89E-07	7.15E-07	3.20E-07	3.26E-07	1.48E-08	3.57E-07	7.87E-08	1.07E-07	1.70E-07	2.93E-08	2.15E-08	7.78E-07
4862	492363.09	3861877.25	1.26E-03	1.29E-03	1.29E-03	4.38E-07	1.32E-06	7.65E-07	7.81E-07	7.08E-07	3.17E-07	3.23E-07	1.46E-08	3.53E-07	7.79E-08	1.06E-07	1.68E-07	2.91E-08	2.13E-08	7.70E-07
4863	492863.09	3861877.25	1.27E-03	1.30E-03	1.30E-03	4.40E-07	1.33E-06	7.69E-07	7.84E-07	7.11E-07	3.18E-07	3.24E-07	1.47E-08	3.55E-07	7.83E-08	1.07E-07	1.69E-07	2.92E-08	2.14E-08	7.74E-07
4864	493363.09	3861877.25	1.23E-03	1.26E-03	1.25E-03	4.26E-07	1.29E-06	7.44E-07	7.59E-07	6.88E-07	3.08E-07	3.14E-07	1.42E-08	3.43E-07	7.58E-08	1.03E-07	1.64E-07	2.82E-08	2.07E-08	7.49E-07
4865	493863.09	3861877.25	1.21E-03	1.23E-03	1.23E-03	4.19E-07	1.26E-06	7.32E-07	7.47E-07	6.77E-07	3.03E-07	3.09E-07	1.40E-08	3.38E-07	7.45E-08	1.01E-07	1.61E-07	2.78E-08	2.04E-08	7.37E-07
4866	494363.09	3861877.25	1.25E-03	1.28E-03	1.28E-03	4.34E-07	1.31E-06	7.59E-07	7.74E-07	7.02E-07	3.14E-07	3.20E-07	1.45E-08	3.50E-07	7.73E-08	1.05E-07	1.67E-07	2.88E-08	2.11E-08	7.64E-07
4867	494863.09	3861877.25	1.24E-03	1.27E-03	1.26E-03	4.29E-07	1.30E-06	7.50E-07	7.66E-07	6.94E-07	3.10E-07	3.16E-07	1.43E-08	3.46E-07	7.64E-08	1.04E-07	1.65E-07	2.85E-08	2.09E-08	7.55E-07
4868	495363.09	3861877.25	1.18E-03	1.21E-03	1.20E-03	4.09E-07	1.23E-06	7.15E-07	7.29E-07	6.61E-07	2.96E-07	3.01E-07	1.37E-08	3.30E-07	7.28E-08	9.90E-08	1.57E-07	2.71E-08	1.99E-08	7.19E-07
4869	495863.09	3861877.25	1.12E-03	1.15E-03	1.14E-03	3.89E-07	1.17E-06	6.80E-07	6.94E-07	6.29E-07	2.81E-07	2.87E-07	1.30E-08	3.14E-07	6.92E-08	9.42E-08	1.49E-07	2.58E-08	1.89E-08	6.84E-07
4870	496363.09	3861877.25	1.08E-03	1.10E-03	1.10E-03	3.73E-07	1.13E-06	6.52E-07	6.65E-07	6.03E-07	2.70E-07	2.75E-07	1.25E-08	3.01E-07	6.64E-08	9.03E-08	1.43E-07	2.47E-08	1.81E-08	6.56E-07
4871	496863.09	3861877.25	1.08E-03	1.10E-03	1.10E-03	3.73E-07	1.12E-06	6.51E-07	6.64E-07	6.02E-07	2.69E-07	2.74E-07	1.24E-08	3.00E-07	6.63E-08	9.02E-08	1.43E-07	2.47E-08	1.81E-08	6.55E-07
4872	497363.09	3861877.25	1.01E-03	1.03E-03	1.03E-03	3.51E-07	1.06E-06	6.13E-07	6.26E-07	5.67E-07	2.54E-07	2.58E-07	1.17E-08	2.83E-07	6.24E-08	8.49E-08	1.35E-07	2.33E-08	1.71E-08	6.17E-07
4873	497863.09	3861877.25	9.63E-04	9.83E-04	9.81E-04	3.33E-07	1.01E-06	5.83E-07	5.95E-07	5.39E-07	2.41E-07	2.46E-07	1.11E-08	2.69E-07	5.93E-08	8.07E-08	1.28E-07	2.21E-08	1.62E-08	5.86E-07
4874	498363.09	3861877.25	9.24E-04	9.43E-04	9.42E-04	3.20E-07	9.66E-07	5.59E-07	5.71E-07	5.17E-07	2.31E-07	2.36E-07	1.07E-08	2.58E-07	5.69E-08	7.75E-08	1.23E-07	2.12E-08	1.55E-08	5.63E-07
4875	471363.09	3862377.25	2.33E-04	2.38E-04	2.37E-04	8.06E-08	2.43E-07	1.41E-07	1.44E-07	1.30E-07	5.83E-08	5.94E-08	2.69E-09	6.50E-08	1.43E-08	1.95E-08	3.10E-08	5.35E-09	3.92E-09	1.42E-07
4876	471863.09	3862377.25	2.38E-04	2.43E-04	2.43E-04	8.24E-08	2.49E-07	1.44E-07	1.47E-07	1.33E-07	5.96E-08	6.07E-08	2.75E-09	6.65E-08	1.47E-08	2.00E-08	3.17E-08	5.47E-09	4.01E-09	1.45E-07
4877	472363.09	3862377.25	2.44E-04	2.49E-04	2.49E-04	8.45E-08	2.55E-07	1.48E-07	1.51E-07	1.37E-07	6.11E-08	6.22E-08	2.82E-09	6.81E-08	1.50E-08	2.05E-08	3.24E-08	5.60E-09	4.11E-09	1.49E-07
4878	472863.09	3862377.25	2.50E-04	2.55E-04	2.55E-04	8.65E-08	2.61E-07	1.51E-07	1.54E-07	1.40E-07	6.25E-08	6.37E-08	2.89E-09	6.98E-08	1.54E-08	2.09E-08	3.32E-08	5.74E-09	4.20E-09	1.52E-07
4879	473363.09	3862377.25	2.56E-04	2.61E-04	2.61E-04	8.86E-08	2.68E-07	1.55E-07	1.58E-07	1.43E-07	6.41E-08	6.53E-08	2.96E-09	7.15E-08	1.58E-08	2.15E-08	3.41E-08	5.88E-09	4.31E-09	1.56E-07
4880	473863.09	3862377.25	2.62E-04	2.68E-04	2.67E-04	9.08E-08	2.74E-07	1.59E-07	1.62E-07	1.47E-07	6.56E-08	6.69E-08	3.03E-09	7.32E-08	1.62E-08	2.20E-08	3.49E-08	6.02E-09	4.41E-09	1.60E-07
4881	474363.09	3862377.25	2.68E-04	2.74E-04	2.73E-04	9.28E-08	2.80E-07	1.62E-07	1.66E-07	1.50E-07	6.71E-08	6.84E-08	3.10E-09	7.49E-08	1.65E-08	2.25E-08	3.57E-08	6.16E-09	4.51E-09	1.63E-07
4882	474863.09	3862377.25	2.72E-04	2.78E-04	2.77E-04	9.41E-08	2.84E-07	1.65E-07	1.68E-07	1.52E-07	6.81E-08	6.94E-08	3.14E-09	7.59E-08	1.68E-08	2.28E-08	3.62E-08	6.25E-09	4.58E-09	1.66E-07
4883	475363.09	3862377.25	2.77E-04	2.82E-04	2.82E-04	9.58E-08	2.89E-07	1.67E-07	1.71E-07	1.55E-07	6.92E-08	7.06E-08	3.20E-09	7.73E-08	1.70E-08	2.32E-08	3.68E-08	6.35E-09	4.66E-09	1.69E-07
4884	475863.09	3862377.25	2.81E-04	2.87E-04	2.87E-04	9.73E-08	2.94E-07	1.70E-07	1.74E-07	1.57E-07	7.04E-08	7.17E-08	3.25E-09	7.85E-08	1.73E-08	2.36E-08	3.74E-08	6.46E-09	4.73E-09	1.71E-07
4885	476363.09	3862377.25	2.86E-04	2.92E-04	2.91E-04	9.89E-08	2.99E-07	1.73E-07	1.76E-07	1.60E-07	7.15E-08	7.29E-08	3.30E-09	7.98E-08	1.76E-08	2.40E-08	3.80E-08	6.56E-09	4.81E-09	1.74E-07
4886	476863.09	3862377.25	2.91E-04	2.97E-04	2.97E-04	1.01E-07	3.04E-07	1.76E-07	1.80E-07	1.63E-07	7.29E-08	7.43E-08	3.37E-09	8.13E-08	1.79E-08	2.44E-08	3.87E-08	6.69E-09	4.90E-09	1.77E-07
4887	477363.09	3862377.25	2.93E-04	2.99E-04	2.98E-04	1.01E-07	3.06E-07	1.77E-07	1.81E-07	1.64E-07	7.32E-08	7.46E-08	3.38E-09	8.17E-08	1.80E-08	2.45E-08	3.89E-08	6.72E-09	4.92E-09	1.78E-07
4888	477863.09	3862377.25	2.67E-04	2.72E-04	2.72E-04	9.23E-08	2.79E-07	1.61E-07	1.65E-07	1.49E-07	6.67E-08	6.80E-08	3.08E-09	7.45E-08	1.64E-08	2.24E-08	3.55E-08	6.12E-09	4.49E-09	1.62E-07
4889	478363.09	3862377.25	2.31E-04	2.36E-04	2.36E-04	8.01E-08	2.42E-07	1.40E-07	1.43E-07	1.29E-07	5.79E-08	5.90E-08	2.67E-09	6.46E-08	1.43E-08	1.94E-08	3.08E-08	5.31E-09	3.89E-09	1.41E-07
4890	478863.09	3862377.25	2.37E-04	2.42E-04	2.42E-04	8.22E-08	2.48E-07	1.44E-07	1.47E-07	1.33E-07	5.94E-08	6.06E-08	2.75E-09	6.63E-08	1.46E-08	1.99E-08	3.16E-08	5.45E-09	4.00E-09	1.45E-07
4891	479363.09	3862377.25	2.63E-04	2.68E-04	2.68E-04	9.10E-08	2.75E-07	1.59E-07	1.62E-07	1.47E-07	6.58E-08	6.70E-08	3.04E-09	7.34E-08	1.62E-08	2.20E-08	3.50E-08	6.04E-09	4.42E-09	1.60E-07
4892	479863.09	3862377.25	3.25E-04	3.32E-04	3.31E-04	1.13E-07	3.40E-07	1.97E-07	2.01E-07	1.82E-07	8.13E-08	8.29E-08	3.76E-09	9.08E-08	2.00E-08	2.72E-08	4.32E-08	7.46E-09	5.47E-09	1.98E-07
4893	480363.09	3862377.25	3.44E-04	3.51E-04	3.50E-04	1.19E-07	3.59E-07	2.08E-07	2.12E-07	1.92E-07	8.61E-08	8.77E-08	3.97E-09	9.60E-08	2.12E-08	2.88E-08	4.57E-08	7.90E-09	5.79E-09	2.09E-07
4894	480863.09	3862377.25	3.53E-04	3.60E-04	3.60E-04	1.22E-07	3.69E-07	2.14E-07	2.18E-07	1.98E-07	8.83E-08	9.00E-08	4.08E-09	9.86E-08	2.17E-08	2.96E-08	4.69E-08	8.11E-09	5.94E-09	2.15E-07
4895	481363.09	3862377.25	3.65E-04	3.73E-04	3.72E-04	1.26E-07	3.82E-07	2.21E-07	2.25E-07	2.04E-07	9.14E-08	9.31E-08	4.22E-09	1.02E-07	2.25E-08	3.06E-08	4.86E-08	8.39E-09	6.14E-09	2.22E-07

4896	481863.09	3862377.25	3.80E-04	3.88E-04	3.87E-04	1.31E-07	3.97E-07	2.30E-07	2.35E-07	2.13E-07	9.51E-08	9.69E-08	4.39E-09	1.06E-07	2.34E-08	3.18E-08	5.05E-08	8.72E-09	6.39E-09	2.31E-07
4897	482363.09	3862377.25	3.96E-04	4.04E-04	4.04E-04	1.37E-07	4.14E-07	2.40E-07	2.45E-07	2.22E-07	9.91E-08	1.01E-07	4.58E-09	1.11E-07	2.44E-08	3.32E-08	5.27E-08	9.10E-09	6.66E-09	2.41E-07
4898	482863.09	3862377.25	4.13E-04	4.21E-04	4.20E-04	1.43E-07	4.31E-07	2.50E-07	2.55E-07	2.31E-07	1.03E-07	1.05E-07	4.77E-09	1.15E-07	2.54E-08	3.46E-08	5.49E-08	9.47E-09	6.94E-09	2.51E-07
4899	483363.09	3862377.25	4.30E-04	4.39E-04	4.38E-04	1.49E-07	4.50E-07	2.60E-07	2.66E-07	2.41E-07	1.08E-07	1.10E-07	4.97E-09	1.20E-07	2.65E-08	3.61E-08	5.72E-08	9.88E-09	7.24E-09	2.62E-07
4900	483863.09	3862377.25	4.51E-04	4.60E-04	4.59E-04	1.56E-07	4.71E-07	2.73E-07	2.78E-07	2.52E-07	1.13E-07	1.15E-07	5.21E-09	1.26E-07	2.78E-08	3.78E-08	6.00E-08	1.04E-08	7.59E-09	2.75E-07
4901	484363.09	3862377.25	4.76E-04	4.86E-04	4.85E-04	1.65E-07	4.97E-07	2.88E-07	2.94E-07	2.66E-07	1.19E-07	1.21E-07	5.50E-09	1.33E-07	2.93E-08	3.99E-08	6.33E-08	1.09E-08	8.01E-09	2.90E-07
4902	484863.09	3862377.25	5.01E-04	5.11E-04	5.11E-04	1.73E-07	5.24E-07	3.03E-07	3.09E-07	2.80E-07	1.25E-07	1.28E-07	5.79E-09	1.40E-07	3.09E-08	4.20E-08	6.66E-08	1.15E-08	8.43E-09	3.05E-07
4903	485363.09	3862377.25	5.25E-04	5.36E-04	5.35E-04	1.82E-07	5.49E-07	3.18E-07	3.24E-07	2.94E-07	1.31E-07	1.34E-07	6.07E-09	1.47E-07	3.24E-08	4.40E-08	6.98E-08	1.21E-08	8.83E-09	3.20E-07
4904	485863.09	3862377.25	5.56E-04	5.67E-04	5.67E-04	1.92E-07	5.81E-07	3.36E-07	3.43E-07	3.11E-07	1.39E-07	1.42E-07	6.43E-09	1.55E-07	3.43E-08	4.66E-08	7.39E-08	1.28E-08	9.36E-09	3.39E-07
4905	486363.09	3862377.25	5.91E-04	6.03E-04	6.02E-04	2.05E-07	6.18E-07	3.57E-07	3.65E-07	3.31E-07	1.48E-07	1.51E-07	6.83E-09	1.65E-07	3.64E-08	4.95E-08	7.86E-08	1.36E-08	9.94E-09	3.60E-07
4906	486863.09	3862377.25	6.35E-04	6.48E-04	6.48E-04	2.20E-07	6.64E-07	3.84E-07	3.92E-07	3.56E-07	1.59E-07	1.62E-07	7.34E-09	1.77E-07	3.91E-08	5.33E-08	8.45E-08	1.46E-08	1.07E-08	3.87E-07
4907	487363.09	3862377.25	6.86E-04	7.00E-04	6.99E-04	2.38E-07	7.17E-07	4.15E-07	4.24E-07	3.84E-07	1.72E-07	1.75E-07	7.93E-09	1.92E-07	4.23E-08	5.75E-08	9.13E-08	1.58E-08	1.15E-08	4.18E-07
4908	487863.09	3862377.25	7.36E-04	7.51E-04	7.50E-04	2.55E-07	7.69E-07	4.45E-07	4.54E-07	4.12E-07	1.84E-07	1.88E-07	8.51E-09	2.06E-07	4.54E-08	6.17E-08	9.79E-08	1.69E-08	1.24E-08	4.48E-07
4909	488363.09	3862377.25	7.83E-04	7.99E-04	7.98E-04	2.71E-07	8.18E-07	4.74E-07	4.83E-07	4.38E-07	1.96E-07	2.00E-07	9.05E-09	2.19E-07	4.82E-08	6.56E-08	1.04E-07	1.80E-08	1.32E-08	4.77E-07
4910	488863.09	3862377.25	8.31E-04	8.48E-04	8.47E-04	2.88E-07	8.69E-07	5.03E-07	5.13E-07	4.65E-07	2.08E-07	2.12E-07	9.61E-09	2.32E-07	5.12E-08	6.97E-08	1.11E-07	1.91E-08	1.40E-08	5.06E-07
4911	489363.09	3862377.25	8.77E-04	8.95E-04	8.94E-04	3.04E-07	9.17E-07	5.31E-07	5.41E-07	4.91E-07	2.19E-07	2.24E-07	1.01E-08	2.45E-07	5.40E-08	7.35E-08	1.17E-07	2.01E-08	1.48E-08	5.34E-07
4912	489863.09	3862377.25	9.21E-04	9.40E-04	9.39E-04	3.19E-07	9.62E-07	5.57E-07	5.69E-07	5.15E-07	2.30E-07	2.35E-07	1.06E-08	2.57E-07	5.67E-08	7.72E-08	1.22E-07	2.11E-08	1.55E-08	5.61E-07
4913	490363.09	3862377.25	9.54E-04	9.74E-04	9.72E-04	3.30E-07	9.97E-07	5.77E-07	5.89E-07	5.34E-07	2.39E-07	2.43E-07	1.10E-08	2.66E-07	5.88E-08	8.00E-08	1.27E-07	2.19E-08	1.61E-08	5.81E-07
4914	490863.09	3862377.25	9.53E-04	9.72E-04	9.71E-04	3.30E-07	9.96E-07	5.77E-07	5.88E-07	5.33E-07	2.38E-07	2.43E-07	1.10E-08	2.66E-07	5.87E-08	7.99E-08	1.27E-07	2.19E-08	1.60E-08	5.80E-07
4915	491363.09	3862377.25	9.43E-04	9.62E-04	9.61E-04	3.26E-07	9.86E-07	5.71E-07	5.82E-07	5.28E-07	2.36E-07	2.41E-07	1.09E-08	2.63E-07	5.81E-08	7.90E-08	1.25E-07	2.17E-08	1.59E-08	5.74E-07
4916	491863.09	3862377.25	9.23E-04	9.42E-04	9.41E-04	3.20E-07	9.65E-07	5.59E-07	5.70E-07	5.17E-07	2.31E-07	2.35E-07	1.07E-08	2.58E-07	5.69E-08	7.74E-08	1.23E-07	2.12E-08	1.55E-08	5.62E-07
4917	492363.09	3862377.25	9.32E-04	9.51E-04	9.50E-04	3.23E-07	9.74E-07	5.64E-07	5.76E-07	5.22E-07	2.33E-07	2.38E-07	1.08E-08	2.60E-07	5.74E-08	7.82E-08	1.24E-07	2.14E-08	1.57E-08	5.68E-07
4918	492863.09	3862377.25	9.46E-04	9.65E-04	9.64E-04	3.27E-07	9.89E-07	5.72E-07	5.84E-07	5.29E-07	2.37E-07	2.41E-07	1.09E-08	2.64E-07	5.83E-08	7.93E-08	1.26E-07	2.17E-08	1.59E-08	5.76E-07
4919	493363.09	3862377.25	9.39E-04	9.58E-04	9.57E-04	3.25E-07	9.81E-07	5.68E-07	5.80E-07	5.25E-07	2.35E-07	2.39E-07	1.09E-08	2.62E-07	5.78E-08	7.87E-08	1.25E-07	2.16E-08	1.58E-08	5.72E-07
4920	493863.09	3862377.25	9.07E-04	9.25E-04	9.24E-04	3.14E-07	9.48E-07	5.49E-07	5.60E-07	5.07E-07	2.27E-07	2.31E-07	1.05E-08	2.53E-07	5.59E-08	7.60E-08	1.21E-07	2.08E-08	1.53E-08	5.52E-07
4921	494363.09	3862377.25	8.71E-04	8.89E-04	8.87E-04	3.01E-07	9.10E-07	5.27E-07	5.38E-07	4.87E-07	2.18E-07	2.22E-07	1.01E-08	2.43E-07	5.36E-08	7.30E-08	1.16E-07	2.00E-08	1.47E-08	5.30E-07
4922	494863.09	3862377.25	8.90E-04	9.08E-04	9.07E-04	3.08E-07	9.30E-07	5.39E-07	5.50E-07	4.98E-07	2.23E-07	2.27E-07	1.03E-08	2.49E-07	5.48E-08	7.46E-08	1.18E-07	2.04E-08	1.50E-08	5.42E-07
4923	495363.09	3862377.25	9.04E-04	9.23E-04	9.22E-04	3.13E-07	9.45E-07	5.47E-07	5.58E-07	5.06E-07	2.26E-07	2.31E-07	1.05E-08	2.53E-07	5.57E-08	7.58E-08	1.20E-07	2.08E-08	1.52E-08	5.51E-07
4924	495863.09	3862377.25	8.87E-04	9.05E-04	9.04E-04	3.07E-07	9.27E-07	5.36E-07	5.47E-07	4.96E-07	2.22E-07	2.26E-07	1.02E-08	2.48E-07	5.46E-08	7.43E-08	1.18E-07	2.04E-08	1.49E-08	5.40E-07
4925	496363.09	3862377.25	8.51E-04	8.69E-04	8.68E-04	2.95E-07	8.90E-07	5.15E-07	5.26E-07	4.76E-07	2.13E-07	2.17E-07	9.84E-09	2.38E-07	5.25E-08	7.14E-08	1.13E-07	1.96E-08	1.43E-08	5.18E-07
4926	496863.09	3862377.25	8.31E-04	8.48E-04	8.47E-04	2.88E-07	8.69E-07	5.03E-07	5.13E-07	4.65E-07	2.08E-07	2.12E-07	9.61E-09	2.32E-07	5.12E-08	6.97E-08	1.11E-07	1.91E-08	1.40E-08	5.06E-07
4927	497363.09	3862377.25	7.96E-04	8.12E-04	8.11E-04	2.76E-07	8.32E-07	4.82E-07	4.91E-07	4.45E-07	1.99E-07	2.03E-07	9.20E-09	2.22E-07	4.90E-08	6.67E-08	1.06E-07	1.83E-08	1.34E-08	4.85E-07
4928	497863.09	3862377.25	7.69E-04	7.85E-04	7.84E-04	2.66E-07	8.04E-07	4.65E-07	4.75E-07	4.30E-07	1.92E-07	1.96E-07	8.89E-09	2.15E-07	4.74E-08	6.45E-08	1.02E-07	1.77E-08	1.29E-08	4.68E-07
4929	498363.09	3862377.25	7.42E-04	7.57E-04	7.56E-04	2.57E-07	7.75E-07	4.49E-07	4.58E-07	4.15E-07	1.86E-07	1.89E-07	8.57E-09	2.07E-07	4.57E-08	6.22E-08	9.86E-08	1.70E-08	1.25E-08	4.52E-07
4930	471363.09	3862877.25	2.22E-04	2.27E-04	2.26E-04	7.69E-08	2.32E-07	1.34E-07	1.37E-07	1.24E-07	5.56E-08	5.67E-08	2.57E-09	6.20E-08	1.37E-08	1.86E-08	2.95E-08	5.10E-09	3.74E-09	1.35E-07
4931	471863.09	3862877.25	2.27E-04	2.32E-04	2.31E-04	7.85E-08	2.37E-07	1.37E-07	1.40E-07	1.27E-07	5.68E-08	5.79E-08	2.62E-09	6.34E-08	1.40E-08	1.90E-08	3.02E-08	5.21E-09	3.82E-09	1.38E-07
4932	472363.09	3862877.25	2.32E-04	2.37E-04	2.37E-04	8.04E-08	2.43E-07	1.40E-07	1.43E-07	1.30E-07	5.81E-08	5.92E-08	2.68E-09	6.48E-08	1.43E-08	1.95E-08	3.09E-08	5.33E-09	3.91E-09	1.41E-07
4933	472863.09	3862877.25	2.38E-04	2.43E-04	2.42E-04	8.23E-08	2.49E-07	1.44E-07	1.47E-07	1.33E-07	5.95E-08	6.07E-08	2.75E-09	6.64E-08	1.47E-08	1.99E-08	3.16E-08	5.46E-09	4.00E-09	1.45E-07
4934	473363.09	3862877.25	2.44E-04	2.49E-04	2.49E-04	8.45E-08	2.55E-07	1.48E-07	1.51E-07	1.37E-07	6.11E-08	6.22E-08	2.82E-09	6.81E-08	1.50E-08	2.05E-08	3.24E-08	5.60E-09	4.11E-09	1.49E-07
4935	473863.09	3862877.25	2.50E-04	2.55E-04	2.54E-04	8.64E-08	2.61E-07	1.51E-07	1.54E-07	1.40E-07	6.25E-08	6.37E-08	2.88E-09	6.97E-08	1.54E-08	2.09E-08	3.32E-08	5.73E-09	4.20E-09	1.52E-07
4936	474363.09	3862877.25	2.55E-04	2.60E-04	2.60E-04	8.82E-08	2.66E-07	1.54E-07	1.57E-07	1.43E-07	6.38E-08	6.50E-08	2.95E-09	7.12E-08	1.57E-08	2.14E-08	3.39E-08	5.85E-09	4.29E-09	1.55E-07
4937	474863.09	3862877.25	2.59E-04	2.64E-04	2.64E-04	8.97E-08	2.71E-07	1.57E-07	1.60E-07	1.45E-07	6.48E-08	6.61E-08	2.99E-09	7.23E-08	1.60E-08	2.17E-08	3.44E-08	5.95E-09	4.36E-09	1.58E-07
4938	475363.09	3862877.25	2.63E-04	2.69E-04	2.68E-04	9.12E-08	2.75E-07	1.59E-07	1.63E-07	1.47E-07	6.59E-08	6.72E-08	3.05E-09	7.36E-08	1.62E-08	2.21E-08	3.50E-08	6.05E-09	4.43E-09	1.60E-07
4939	475863.09	3862877.25	2.68E-04	2.73E-04	2.73E-04	9.27E-08	2.80E-07	1.62E-07	1.65E-07	1.50E-07	6.70E-08	6.83E-08	3.10E-09	7.48E-08	1.65E-08	2.25E-08	3.56E-08	6.15E-09	4.51E-09	1.63E-07
4940	476363.09	3862877.25	2.73E-04	2.78E-04	2.78E-04	9.45E-08	2.85E-07	1.65E-07	1.68E-07	1.53E-07	6.83E-08	6.96E-08	3.15E-09	7.62E-08	1.68E-08	2.29E-08	3.63E-08	6.27E-09	4.59E-09	1.66E-07
4941	476863.09	3862877.25	2.78E-04	2.84E-04	2.84E-04	9.64E-08	2.91E-07	1.68E-07	1.72E-07	1.56E-07	6.97E-08	7.10E-08	3.22E-09	7.78E-08	1.72E-08	2.33E-08	3.70E-08	6.40E-09	4.69E-09	1.70E-07
4942	477363.09	3862877.25	2.83E-04	2.89E-04	2.88E-04	9.79E-08	2.96E-07	1.71E-07	1.75E-07	1.58E-07	7.08E-08	7.22E-08	3.27E-09	7.90E-08	1.74E-08	2.37E-08	3.76E-08	6.50E-09	4.76E-09	1.72E-07
4943	477863.09	3862877.25	2.78E-04	2.84E-04	2.84E-04	9.64E-08	2.91E-07	1.68E-07	1.72E-07	1.56E-07	6.97E-08	7.10E-08	3.22E-09	7.78E-08	1.72E-08	2.33E-08	3.70E-08	6.40E-09	4.69E-09	1.70E-07
4944	478363.09	3862877.25	2.48E-04	2.53E-04	2.53E-04	8.60E-08	2.60E-07	1.50E-07	1.53E-07	1.39E-07	6.22E-08	6.34E-08	2.87E-09	6.94E-08	1.53E-08	2.08E-08	3.30E-08	5.71E-09	4.18E-09	1.51E-07
4945	478863.09	3862877.25	2.53E-04	2.59E-04	2.58E-04	8.77E-08	2.65E-07	1.53E-07	1.56E-07	1.42E-07	6.34E-08	6.46E-08	2.93E-09	7.08E-08	1.56E-08	2.12E-08	3.37E-08	5.82E-09	4.26E-09	1.54E-07
4946	479363.09	3862877.25	2.63E-04	2.69E-04	2.68E-04	9.12E-08	2.75E-07	1.59E-07	1.63E-07	1.47E-07	6.59E-08	6.72E-08	3.05E-09	7.36E-08	1.62E-08	2.21E-08	3.50E-08	6.05E-09	4.43E-09	1.60E-07
4947	479863.09	3862877.25	3.20E-04	3.27E-04	3.26E-04	1.11E-07	3.34E-07	1.94E-07	1.98E-07	1.79E-07	8.01E-08	8.16E-08	3.70E-09	8.94E-08	1.97E-08	2.68E-08	4.26E-08	7.35E-09	5.38E-09	1.95E-07
4948	480363.09	3862877.25	3.31E-04	3.38E-04	3.37E-04	1.15E-07	3.46E-07	2.00E-07	2.04E-07	1.85E-07	8.28E-08	8.44E-08	3.83E-09	9.24E-08	2.04E-08	2.77E-08	4.40E-08	7.60E-09	5.57E-09	2.02E-07
4949	480863.09	3862877.25	3.41E-04	3.48E-04	3.48E-04	1.18E-07	3.57E-07	2.06E-07	2.11E-07	1.91E-07	8.54E-08	8.70E-08	3.94E-09	9.53E-08	2.10E-08	2.86E-08	4.54E-08	7.84E-09	5.74E-09	2.08E-07
4950	481363.09	3862877.25	3.52E-04	3.60E-04	3.59E-04	1.22E-07	3.68E-07	2.13E-07	2.18E-07	1.97E-07	8.82E-08	8.99E-08	4.07E-09	9.84E-08	2.17E-08	2.95E-08	4.69E-08	8.09E-09	5.93E-09	2.15E-07
4951	481863.09	3862877.25	3.65E-04	3.72E-04	3.72E-04	1.26E-07	3.81E-07	2.21E-07	2.25E-07	2.04E-07	9.13E-08	9.31E-08	4.22E-09	1.02E-07	2.25E-08	3.06E-08	4.85E-08	8.38E-09	6.14E-09	2.22E-07
4952	482363.09	3862877.25	3.76E-04	3.84E-04	3.83E-04	1.30E-07	3.93E-07	2.27E-07	2.32E-07	2.10E-07	9.41E-08	9.59E-08	4.35E-09	1.05E-07	2.32E-08	3.15E-08	5.00E-08	8.64E-09	6.33E-09	2.29E-07

4953	482863.09	3862877.25	3.88E-04	3.96E-04	3.96E-04	1.34E-07	4.06E-07	2.35E-07	2.40E-07	2.17E-07	9.72E-08	9.91E-08	4.49E-09	1.08E-07	2.39E-08	3.26E-08	5.16E-08	8.92E-09	6.53E-09	2.37E-07
4954	483363.09	3862877.25	4.03E-04	4.11E-04	4.11E-04	1.40E-07	4.21E-07	2.44E-07	2.49E-07	2.26E-07	1.01E-07	1.03E-07	4.66E-09	1.13E-07	2.48E-08	3.38E-08	5.36E-08	9.26E-09	6.78E-09	2.45E-07
4955	483863.09	3862877.25	4.20E-04	4.29E-04	4.28E-04	1.45E-07	4.39E-07	2.54E-07	2.59E-07	2.35E-07	1.05E-07	1.07E-07	4.86E-09	1.17E-07	2.59E-08	3.52E-08	5.59E-08	9.65E-09	7.07E-09	2.56E-07
4956	484363.09	3862877.25	4.39E-04	4.48E-04	4.48E-04	1.52E-07	4.59E-07	2.66E-07	2.71E-07	2.46E-07	1.10E-07	1.12E-07	5.08E-09	1.23E-07	2.71E-08	3.68E-08	5.84E-08	1.01E-08	7.39E-09	2.68E-07
4957	484863.09	3862877.25	4.56E-04	4.65E-04	4.64E-04	1.58E-07	4.76E-07	2.76E-07	2.81E-07	2.55E-07	1.14E-07	1.16E-07	5.27E-09	1.27E-07	2.81E-08	3.82E-08	6.06E-08	1.05E-08	7.66E-09	2.77E-07
4958	485363.09	3862877.25	4.76E-04	4.85E-04	4.85E-04	1.65E-07	4.97E-07	2.88E-07	2.94E-07	2.66E-07	1.19E-07	1.21E-07	5.50E-09	1.33E-07	2.93E-08	3.99E-08	6.32E-08	1.09E-08	8.00E-09	2.90E-07
4959	485863.09	3862877.25	4.99E-04	5.09E-04	5.08E-04	1.73E-07	5.21E-07	3.02E-07	3.08E-07	2.79E-07	1.25E-07	1.27E-07	5.77E-09	1.39E-07	3.07E-08	4.18E-08	6.63E-08	1.15E-08	8.39E-09	3.04E-07
4960	486363.09	3862877.25	5.29E-04	5.40E-04	5.39E-04	1.83E-07	5.53E-07	3.20E-07	3.27E-07	2.96E-07	1.32E-07	1.35E-07	6.11E-09	1.48E-07	3.26E-08	4.43E-08	7.03E-08	1.21E-08	8.90E-09	3.22E-07
4961	486863.09	3862877.25	5.59E-04	5.70E-04	5.69E-04	1.93E-07	5.84E-07	3.38E-07	3.45E-07	3.13E-07	1.40E-07	1.43E-07	6.46E-09	1.56E-07	3.44E-08	4.68E-08	7.43E-08	1.28E-08	9.40E-09	3.40E-07
4962	487363.09	3862877.25	5.90E-04	6.02E-04	6.01E-04	2.04E-07	6.16E-07	3.57E-07	3.64E-07	3.30E-07	1.48E-07	1.50E-07	6.82E-09	1.65E-07	3.63E-08	4.94E-08	7.84E-08	1.35E-08	9.92E-09	3.59E-07
4963	487863.09	3862877.25	6.24E-04	6.36E-04	6.35E-04	2.16E-07	6.52E-07	3.77E-07	3.85E-07	3.49E-07	1.56E-07	1.59E-07	7.21E-09	1.74E-07	3.84E-08	5.23E-08	8.29E-08	1.43E-08	1.05E-08	3.80E-07
4964	488363.09	3862877.25	6.62E-04	6.76E-04	6.75E-04	2.29E-07	6.92E-07	4.01E-07	4.09E-07	3.71E-07	1.66E-07	1.69E-07	7.65E-09	1.85E-07	4.08E-08	5.55E-08	8.80E-08	1.52E-08	1.11E-08	4.03E-07
4965	488863.09	3862877.25	6.97E-04	7.11E-04	7.11E-04	2.41E-07	7.29E-07	4.22E-07	4.30E-07	3.90E-07	1.74E-07	1.78E-07	8.06E-09	1.95E-07	4.30E-08	5.84E-08	9.27E-08	1.60E-08	1.17E-08	4.25E-07
4966	489363.09	3862877.25	7.23E-04	7.38E-04	7.37E-04	2.50E-07	7.56E-07	4.38E-07	4.47E-07	4.05E-07	1.81E-07	1.85E-07	8.36E-09	2.02E-07	4.46E-08	6.06E-08	9.62E-08	1.66E-08	1.22E-08	4.41E-07
4967	489863.09	3862877.25	7.46E-04	7.61E-04	7.60E-04	2.58E-07	7.80E-07	4.51E-07	4.61E-07	4.18E-07	1.87E-07	1.90E-07	8.62E-09	2.08E-07	4.60E-08	6.25E-08	9.92E-08	1.71E-08	1.26E-08	4.54E-07
4968	490363.09	3862877.25	7.56E-04	7.72E-04	7.71E-04	2.62E-07	7.90E-07	4.57E-07	4.67E-07	4.23E-07	1.89E-07	1.93E-07	8.74E-09	2.11E-07	4.66E-08	6.34E-08	1.01E-07	1.74E-08	1.27E-08	4.60E-07
4969	490863.09	3862877.25	7.50E-04	7.66E-04	7.65E-04	2.60E-07	7.84E-07	4.54E-07	4.63E-07	4.20E-07	1.88E-07	1.91E-07	8.67E-09	2.09E-07	4.62E-08	6.29E-08	9.98E-08	1.72E-08	1.26E-08	4.57E-07
4970	491363.09	3862877.25	7.50E-04	7.65E-04	7.64E-04	2.59E-07	7.84E-07	4.54E-07	4.63E-07	4.20E-07	1.88E-07	1.91E-07	8.67E-09	2.09E-07	4.62E-08	6.28E-08	9.97E-08	1.72E-08	1.26E-08	4.57E-07
4971	491863.09	3862877.25	7.29E-04	7.44E-04	7.43E-04	2.52E-07	7.62E-07	4.41E-07	4.50E-07	4.08E-07	1.82E-07	1.86E-07	8.42E-09	2.03E-07	4.49E-08	6.11E-08	9.69E-08	1.67E-08	1.23E-08	4.44E-07
4972	492363.09	3862877.25	7.35E-04	7.50E-04	7.49E-04	2.54E-07	7.68E-07	4.44E-07	4.54E-07	4.11E-07	1.84E-07	1.87E-07	8.49E-09	2.05E-07	4.53E-08	6.16E-08	9.77E-08	1.69E-08	1.24E-08	4.47E-07
4973	492863.09	3862877.25	7.33E-04	7.47E-04	7.47E-04	2.54E-07	7.66E-07	4.43E-07	4.52E-07	4.10E-07	1.83E-07	1.87E-07	8.47E-09	2.05E-07	4.51E-08	6.14E-08	9.74E-08	1.68E-08	1.23E-08	4.46E-07
4974	493363.09	3862877.25	7.48E-04	7.63E-04	7.62E-04	2.59E-07	7.82E-07	4.53E-07	4.62E-07	4.19E-07	1.87E-07	1.91E-07	8.64E-09	2.09E-07	4.61E-08	6.27E-08	9.95E-08	1.72E-08	1.26E-08	4.55E-07
4975	493863.09	3862877.25	7.45E-04	7.61E-04	7.60E-04	2.58E-07	7.79E-07	4.51E-07	4.60E-07	4.17E-07	1.87E-07	1.90E-07	8.62E-09	2.08E-07	4.59E-08	6.25E-08	9.91E-08	1.71E-08	1.25E-08	4.54E-07
4976	494363.09	3862877.25	7.22E-04	7.37E-04	7.36E-04	2.50E-07	7.55E-07	4.37E-07	4.46E-07	4.04E-07	1.81E-07	1.84E-07	8.35E-09	2.02E-07	4.45E-08	6.05E-08	9.60E-08	1.66E-08	1.21E-08	4.40E-07
4977	494863.09	3862877.25	6.83E-04	6.97E-04	6.96E-04	2.36E-07	7.14E-07	4.13E-07	4.22E-07	3.82E-07	1.71E-07	1.74E-07	7.89E-09	1.91E-07	4.21E-08	5.72E-08	9.08E-08	1.57E-08	1.15E-08	4.16E-07
4978	495363.09	3862877.25	6.75E-04	6.89E-04	6.88E-04	2.34E-07	7.06E-07	4.09E-07	4.17E-07	3.78E-07	1.69E-07	1.72E-07	7.81E-09	1.89E-07	4.16E-08	5.66E-08	8.98E-08	1.55E-08	1.14E-08	4.11E-07
4979	495863.09	3862877.25	6.95E-04	7.09E-04	7.08E-04	2.41E-07	7.26E-07	4.20E-07	4.29E-07	3.89E-07	1.74E-07	1.77E-07	8.03E-09	1.94E-07	4.28E-08	5.82E-08	9.24E-08	1.60E-08	1.17E-08	4.23E-07
4980	496363.09	3862877.25	7.05E-04	7.20E-04	7.19E-04	2.44E-07	7.37E-07	4.27E-07	4.35E-07	3.95E-07	1.76E-07	1.80E-07	8.15E-09	1.97E-07	4.34E-08	5.91E-08	9.38E-08	1.62E-08	1.19E-08	4.29E-07
4981	496863.09	3862877.25	6.91E-04	7.05E-04	7.05E-04	2.39E-07	7.23E-07	4.18E-07	4.27E-07	3.87E-07	1.73E-07	1.76E-07	7.99E-09	1.93E-07	4.26E-08	5.79E-08	9.19E-08	1.59E-08	1.16E-08	4.21E-07
4982	497363.09	3862877.25	6.66E-04	6.79E-04	6.78E-04	2.30E-07	6.96E-07	4.03E-07	4.11E-07	3.73E-07	1.67E-07	1.70E-07	7.69E-09	1.86E-07	4.10E-08	5.58E-08	8.85E-08	1.53E-08	1.12E-08	4.05E-07
4983	497863.09	3862877.25	6.44E-04	6.57E-04	6.56E-04	2.23E-07	6.73E-07	3.90E-07	3.98E-07	3.60E-07	1.61E-07	1.64E-07	7.44E-09	1.80E-07	3.97E-08	5.40E-08	8.56E-08	1.48E-08	1.08E-08	3.92E-07
4984	498363.09	3862877.25	6.28E-04	6.41E-04	6.40E-04	2.17E-07	6.57E-07	3.80E-07	3.88E-07	3.52E-07	1.57E-07	1.60E-07	7.26E-09	1.75E-07	3.87E-08	5.27E-08	8.35E-08	1.44E-08	1.06E-08	3.83E-07
4985	471363.09	3863377.25	2.12E-04	2.16E-04	2.16E-04	7.34E-08	2.22E-07	1.28E-07	1.31E-07	1.19E-07	5.31E-08	5.41E-08	2.45E-09	5.92E-08	1.31E-08	1.78E-08	2.82E-08	4.87E-09	3.57E-09	1.29E-07
4986	471863.09	3863377.25	2.17E-04	2.21E-04	2.21E-04	7.51E-08	2.27E-07	1.31E-07	1.34E-07	1.21E-07	5.43E-08	5.53E-08	2.51E-09	6.06E-08	1.34E-08	1.82E-08	2.88E-08	4.98E-09	3.65E-09	1.32E-07
4987	472363.09	3863377.25	2.22E-04	2.27E-04	2.26E-04	7.69E-08	2.32E-07	1.34E-07	1.37E-07	1.24E-07	5.56E-08	5.67E-08	2.57E-09	6.20E-08	1.37E-08	1.86E-08	2.95E-08	5.10E-09	3.74E-09	1.35E-07
4988	472863.09	3863377.25	2.28E-04	2.32E-04	2.32E-04	7.88E-08	2.38E-07	1.38E-07	1.41E-07	1.27E-07	5.70E-08	5.81E-08	2.63E-09	6.36E-08	1.40E-08	1.91E-08	3.03E-08	5.23E-09	3.83E-09	1.39E-07
4989	473363.09	3863377.25	2.33E-04	2.38E-04	2.38E-04	8.08E-08	2.44E-07	1.41E-07	1.44E-07	1.31E-07	5.84E-08	5.95E-08	2.70E-09	6.52E-08	1.44E-08	1.96E-08	3.10E-08	5.36E-09	3.93E-09	1.42E-07
4990	473863.09	3863377.25	2.39E-04	2.44E-04	2.44E-04	8.27E-08	2.50E-07	1.45E-07	1.48E-07	1.34E-07	5.98E-08	6.10E-08	2.76E-09	6.67E-08	1.47E-08	2.00E-08	3.18E-08	5.49E-09	4.02E-09	1.46E-07
4991	474363.09	3863377.25	2.44E-04	2.49E-04	2.49E-04	8.45E-08	2.55E-07	1.48E-07	1.51E-07	1.37E-07	6.11E-08	6.22E-08	2.82E-09	6.81E-08	1.50E-08	2.05E-08	3.24E-08	5.60E-09	4.11E-09	1.49E-07
4992	474863.09	3863377.25	2.48E-04	2.53E-04	2.53E-04	8.60E-08	2.60E-07	1.50E-07	1.53E-07	1.39E-07	6.22E-08	6.34E-08	2.87E-09	6.94E-08	1.53E-08	2.08E-08	3.30E-08	5.71E-09	4.18E-09	1.51E-07
4993	475363.09	3863377.25	2.53E-04	2.58E-04	2.58E-04	8.75E-08	2.64E-07	1.53E-07	1.56E-07	1.42E-07	6.33E-08	6.45E-08	2.92E-09	7.06E-08	1.56E-08	2.12E-08	3.36E-08	5.81E-09	4.25E-09	1.54E-07
4994	475863.09	3863377.25	2.58E-04	2.63E-04	2.63E-04	8.93E-08	2.69E-07	1.56E-07	1.59E-07	1.44E-07	6.45E-08	6.58E-08	2.98E-09	7.20E-08	1.59E-08	2.16E-08	3.43E-08	5.92E-09	4.34E-09	1.57E-07
4995	476363.09	3863377.25	2.63E-04	2.69E-04	2.68E-04	9.11E-08	2.75E-07	1.59E-07	1.62E-07	1.47E-07	6.59E-08	6.71E-08	3.04E-09	7.35E-08	1.62E-08	2.21E-08	3.50E-08	6.04E-09	4.43E-09	1.60E-07
4996	476863.09	3863377.25	2.68E-04	2.74E-04	2.73E-04	9.28E-08	2.80E-07	1.62E-07	1.66E-07	1.50E-07	6.71E-08	6.84E-08	3.10E-09	7.49E-08	1.65E-08	2.25E-08	3.57E-08	6.16E-09	4.51E-09	1.63E-07
4997	477363.09	3863377.25	2.73E-04	2.79E-04	2.79E-04	9.47E-08	2.86E-07	1.65E-07	1.69E-07	1.53E-07	6.84E-08	6.98E-08	3.16E-09	7.64E-08	1.68E-08	2.29E-08	3.64E-08	6.28E-09	4.60E-09	1.67E-07
4998	477863.09	3863377.25	2.76E-04	2.82E-04	2.81E-04	9.56E-08	2.89E-07	1.67E-07	1.70E-07	1.55E-07	6.91E-08	7.04E-08	3.19E-09	7.71E-08	1.70E-08	2.31E-08	3.67E-08	6.34E-09	4.65E-09	1.68E-07
4999	478363.09	3863377.25	2.68E-04	2.73E-04	2.73E-04	9.26E-08	2.80E-07	1.62E-07	1.65E-07	1.50E-07	6.70E-08	6.82E-08	3.09E-09	7.47E-08	1.65E-08	2.24E-08	3.56E-08	6.15E-09	4.50E-09	1.63E-07
5000	478863.09	3863377.25	2.78E-04	2.83E-04	2.83E-04	9.61E-08	2.90E-07	1.68E-07	1.71E-07	1.55E-07	6.95E-08	7.08E-08	3.21E-09	7.75E-08	1.71E-08	2.33E-08	3.69E-08	6.38E-09	4.67E-09	1.69E-07
5001	479363.09	3863377.25	2.98E-04	3.04E-04	3.03E-04	1.03E-07	3.11E-07	1.80E-07	1.84E-07	1.67E-07	7.45E-08	7.59E-08	3.44E-09	8.31E-08	1.83E-08	2.49E-08	3.96E-08	6.84E-09	5.01E-09	1.81E-07
5002	479863.09	3863377.25	3.11E-04	3.17E-04	3.17E-04	1.08E-07	3.25E-07	1.88E-07	1.92E-07	1.74E-07	7.78E-08	7.93E-08	3.59E-09	8.68E-08	1.92E-08	2.61E-08	4.13E-08	7.14E-09	5.23E-09	1.89E-07
5003	480363.09	3863377.25	3.19E-04	3.26E-04	3.25E-04	1.10E-07	3.34E-07	1.93E-07	1.97E-07	1.79E-07	7.99E-08	8.14E-08	3.69E-09	8.91E-08	1.97E-08	2.68E-08	4.24E-08	7.33E-09	5.37E-09	1.94E-07
5004	480863.09	3863377.25	3.28E-04	3.35E-04	3.34E-04	1.14E-07	3.43E-07	1.98E-07	2.02E-07	1.84E-07	8.21E-08	8.37E-08	3.79E-09	9.16E-08	2.02E-08	2.75E-08	4.36E-08	7.53E-09	5.52E-09	2.00E-07
5005	481363.09	3863377.25	3.36E-04	3.43E-04	3.42E-04	1.16E-07	3.51E-07	2.03E-07	2.07E-07	1.88E-07	8.41E-08	8.57E-08	3.88E-09	9.38E-08	2.07E-08	2.82E-08	4.47E-08	7.72E-09	5.65E-09	2.05E-07
5006	481863.09	3863377.25	3.44E-04	3.51E-04	3.50E-04	1.19E-07	3.59E-07	2.08E-07	2.12E-07	1.92E-07	8.61E-08	8.77E-08	3.97E-09	9.60E-08	2.12E-08	2.88E-08	4.57E-08	7.90E-09	5.79E-09	2.09E-07
5007	482363.09	3863377.25	3.52E-04	3.60E-04	3.59E-04	1.22E-07	3.68E-07	2.13E-07	2.18E-07	1.97E-07	8.82E-08	8.99E-08	4.07E-09	9.84E-08	2.17E-08	2.95E-08	4.69E-08	8.09E-09	5.93E-09	2.15E-07
5008	482863.09	3863377.25	3.62E-04	3.69E-04	3.68E-04	1.25E-07	3.78E-07	2.19E-07	2.23E-07	2.02E-07	9.05E-08	9.22E-08	4.18E-09	1.01E-07	2.23E-08	3.03E-08	4.81E-08	8.30E-09	6.08E-09	2.20E-07
5009	483363.09	3863377.25	3.73E-04	3.81E-04	3.80E-04	1.29E-07	3.90E-07	2.26E-07	2.30E-07	2.09E-07	9.34E-08	9.52E-08	4.31E-09	1.04E-07	2.30E-08	3.13E-08	4.96E-08	8.57E-09	6.28E-09	2.27E-07

5010	483863.09	3863377.25	3.86E-04	3.94E-04	3.93E-04	1.34E-07	4.03E-07	2.34E-07	2.38E-07	2.16E-07	9.66E-08	9.85E-08	4.46E-09	1.08E-07	2.38E-08	3.24E-08	5.13E-08	8.87E-09	6.49E-09	2.35E-07
5011	484363.09	3863377.25	3.99E-04	4.07E-04	4.07E-04	1.38E-07	4.17E-07	2.41E-07	2.46E-07	2.23E-07	9.99E-08	1.02E-07	4.61E-09	1.11E-07	2.46E-08	3.34E-08	5.31E-08	9.16E-09	6.71E-09	2.43E-07
5012	484863.09	3863377.25	4.15E-04	4.23E-04	4.23E-04	1.44E-07	4.33E-07	2.51E-07	2.56E-07	2.32E-07	1.04E-07	1.06E-07	4.79E-09	1.16E-07	2.55E-08	3.48E-08	5.51E-08	9.52E-09	6.98E-09	2.52E-07
5013	485363.09	3863377.25	4.31E-04	4.40E-04	4.39E-04	1.49E-07	4.50E-07	2.61E-07	2.66E-07	2.41E-07	1.08E-07	1.10E-07	4.98E-09	1.20E-07	2.65E-08	3.61E-08	5.73E-08	9.89E-09	7.25E-09	2.62E-07
5014	485863.09	3863377.25	4.49E-04	4.58E-04	4.58E-04	1.55E-07	4.69E-07	2.72E-07	2.77E-07	2.51E-07	1.12E-07	1.15E-07	5.19E-09	1.25E-07	2.77E-08	3.76E-08	5.97E-08	1.03E-08	7.56E-09	2.73E-07
5015	486363.09	3863377.25	4.70E-04	4.79E-04	4.79E-04	1.63E-07	4.91E-07	2.84E-07	2.90E-07	2.63E-07	1.18E-07	1.20E-07	5.43E-09	1.31E-07	2.89E-08	3.94E-08	6.25E-08	1.08E-08	7.90E-09	2.86E-07
5016	486863.09	3863377.25	4.92E-04	5.02E-04	5.02E-04	1.70E-07	5.15E-07	2.98E-07	3.04E-07	2.76E-07	1.23E-07	1.26E-07	5.69E-09	1.37E-07	3.03E-08	4.13E-08	6.55E-08	1.13E-08	8.28E-09	3.00E-07
5017	487363.09	3863377.25	5.16E-04	5.27E-04	5.26E-04	1.79E-07	5.40E-07	3.12E-07	3.19E-07	2.89E-07	1.29E-07	1.32E-07	5.97E-09	1.44E-07	3.18E-08	4.33E-08	6.87E-08	1.19E-08	8.69E-09	3.14E-07
5018	487863.09	3863377.25	5.45E-04	5.56E-04	5.55E-04	1.89E-07	5.69E-07	3.30E-07	3.36E-07	3.05E-07	1.36E-07	1.39E-07	6.30E-09	1.52E-07	3.36E-08	4.57E-08	7.25E-08	1.25E-08	9.17E-09	3.32E-07
5019	488363.09	3863377.25	5.72E-04	5.84E-04	5.83E-04	1.98E-07	5.98E-07	3.46E-07	3.53E-07	3.20E-07	1.43E-07	1.46E-07	6.61E-09	1.60E-07	3.52E-08	4.79E-08	7.61E-08	1.31E-08	9.62E-09	3.48E-07
5020	488863.09	3863377.25	5.96E-04	6.09E-04	6.08E-04	2.06E-07	6.23E-07	3.61E-07	3.68E-07	3.34E-07	1.49E-07	1.52E-07	6.89E-09	1.67E-07	3.67E-08	5.00E-08	7.93E-08	1.37E-08	1.00E-08	3.63E-07
5021	489363.09	3863377.25	6.11E-04	6.23E-04	6.22E-04	2.11E-07	6.38E-07	3.69E-07	3.77E-07	3.42E-07	1.53E-07	1.56E-07	7.06E-09	1.70E-07	3.76E-08	5.12E-08	8.12E-08	1.40E-08	1.03E-08	3.72E-07
5022	489863.09	3863377.25	6.17E-04	6.30E-04	6.29E-04	2.14E-07	6.45E-07	3.73E-07	3.81E-07	3.45E-07	1.54E-07	1.57E-07	7.13E-09	1.72E-07	3.80E-08	5.17E-08	8.21E-08	1.42E-08	1.04E-08	3.76E-07
5023	490363.09	3863377.25	6.19E-04	6.32E-04	6.31E-04	2.14E-07	6.47E-07	3.75E-07	3.82E-07	3.47E-07	1.55E-07	1.58E-07	7.16E-09	1.73E-07	3.82E-08	5.19E-08	8.24E-08	1.42E-08	1.04E-08	3.77E-07
5024	490863.09	3863377.25	6.20E-04	6.32E-04	6.32E-04	2.15E-07	6.48E-07	3.75E-07	3.83E-07	3.47E-07	1.55E-07	1.58E-07	7.16E-09	1.73E-07	3.82E-08	5.19E-08	8.24E-08	1.42E-08	1.04E-08	3.77E-07
5025	491363.09	3863377.25	6.06E-04	6.18E-04	6.17E-04	2.10E-07	6.33E-07	3.67E-07	3.74E-07	3.39E-07	1.52E-07	1.55E-07	7.00E-09	1.69E-07	3.73E-08	5.08E-08	8.06E-08	1.39E-08	1.02E-08	3.69E-07
5026	491863.09	3863377.25	5.98E-04	6.11E-04	6.10E-04	2.07E-07	6.26E-07	3.62E-07	3.70E-07	3.35E-07	1.50E-07	1.53E-07	6.92E-09	1.67E-07	3.69E-08	5.02E-08	7.96E-08	1.37E-08	1.01E-08	3.64E-07
5027	492363.09	3863377.25	6.13E-04	6.25E-04	6.24E-04	2.12E-07	6.40E-07	3.71E-07	3.78E-07	3.43E-07	1.53E-07	1.56E-07	7.08E-09	1.71E-07	3.77E-08	5.14E-08	8.15E-08	1.41E-08	1.03E-08	3.73E-07
5028	492863.09	3863377.25	6.22E-04	6.34E-04	6.34E-04	2.15E-07	6.50E-07	3.76E-07	3.84E-07	3.48E-07	1.56E-07	1.59E-07	7.19E-09	1.74E-07	3.83E-08	5.21E-08	8.27E-08	1.43E-08	1.05E-08	3.79E-07
5029	493363.09	3863377.25	6.30E-04	6.43E-04	6.42E-04	2.18E-07	6.58E-07	3.81E-07	3.89E-07	3.52E-07	1.58E-07	1.61E-07	7.28E-09	1.76E-07	3.88E-08	5.28E-08	8.37E-08	1.45E-08	1.06E-08	3.83E-07
5030	493863.09	3863377.25	6.33E-04	6.46E-04	6.45E-04	2.19E-07	6.61E-07	3.83E-07	3.91E-07	3.54E-07	1.58E-07	1.61E-07	7.31E-09	1.77E-07	3.90E-08	5.30E-08	8.41E-08	1.45E-08	1.06E-08	3.85E-07
5031	494363.09	3863377.25	6.26E-04	6.39E-04	6.38E-04	2.17E-07	6.54E-07	3.79E-07	3.87E-07	3.50E-07	1.57E-07	1.60E-07	7.24E-09	1.75E-07	3.86E-08	5.25E-08	8.33E-08	1.44E-08	1.05E-08	3.81E-07
5032	494863.09	3863377.25	6.11E-04	6.23E-04	6.23E-04	2.11E-07	6.38E-07	3.70E-07	3.77E-07	3.42E-07	1.53E-07	1.56E-07	7.06E-09	1.71E-07	3.76E-08	5.12E-08	8.12E-08	1.40E-08	1.03E-08	3.72E-07
5033	495363.09	3863377.25	5.86E-04	5.98E-04	5.97E-04	2.03E-07	6.13E-07	3.55E-07	3.62E-07	3.28E-07	1.47E-07	1.50E-07	6.77E-09	1.64E-07	3.61E-08	4.91E-08	7.79E-08	1.35E-08	9.86E-09	3.57E-07
5034	495863.09	3863377.25	5.75E-04	5.86E-04	5.86E-04	1.99E-07	6.01E-07	3.48E-07	3.55E-07	3.22E-07	1.44E-07	1.47E-07	6.64E-09	1.60E-07	3.54E-08	4.82E-08	7.64E-08	1.32E-08	9.67E-09	3.50E-07
5035	496363.09	3863377.25	5.65E-04	5.77E-04	5.76E-04	1.96E-07	5.91E-07	3.42E-07	3.49E-07	3.16E-07	1.42E-07	1.44E-07	6.54E-09	1.58E-07	3.48E-08	4.74E-08	7.52E-08	1.30E-08	9.51E-09	3.44E-07
5036	496863.09	3863377.25	5.66E-04	5.78E-04	5.77E-04	1.96E-07	5.92E-07	3.43E-07	3.50E-07	3.17E-07	1.42E-07	1.44E-07	6.55E-09	1.58E-07	3.49E-08	4.75E-08	7.53E-08	1.30E-08	9.53E-09	3.45E-07
5037	497363.09	3863377.25	5.70E-04	5.82E-04	5.81E-04	1.97E-07	5.96E-07	3.45E-07	3.52E-07	3.19E-07	1.43E-07	1.45E-07	6.59E-09	1.59E-07	3.51E-08	4.78E-08	7.58E-08	1.31E-08	9.59E-09	3.47E-07
5038	497863.09	3863377.25	5.62E-04	5.73E-04	5.72E-04	1.94E-07	5.87E-07	3.40E-07	3.47E-07	3.14E-07	1.41E-07	1.43E-07	6.49E-09	1.57E-07	3.46E-08	4.71E-08	7.47E-08	1.29E-08	9.45E-09	3.42E-07
5039	498363.09	3863377.25	5.45E-04	5.56E-04	5.56E-04	1.89E-07	5.70E-07	3.30E-07	3.37E-07	3.05E-07	1.36E-07	1.39E-07	6.30E-09	1.52E-07	3.36E-08	4.57E-08	7.25E-08	1.25E-08	9.17E-09	3.32E-07
5040	471363.09	3863877.25	2.04E-04	2.08E-04	2.08E-04	7.06E-08	2.13E-07	1.23E-07	1.26E-07	1.14E-07	5.10E-08	5.20E-08	2.36E-09	5.69E-08	1.26E-08	1.71E-08	2.71E-08	4.68E-09	3.43E-09	1.24E-07
5041	471863.09	3863877.25	2.09E-04	2.13E-04	2.13E-04	7.22E-08	2.18E-07	1.26E-07	1.29E-07	1.17E-07	5.22E-08	5.32E-08	2.41E-09	5.83E-08	1.29E-08	1.75E-08	2.77E-08	4.79E-09	3.51E-09	1.27E-07
5042	472363.09	3863877.25	2.14E-04	2.19E-04	2.18E-04	7.42E-08	2.24E-07	1.30E-07	1.32E-07	1.20E-07	5.36E-08	5.46E-08	2.48E-09	5.98E-08	1.32E-08	1.80E-08	2.85E-08	4.92E-09	3.60E-09	1.30E-07
5043	472863.09	3863877.25	2.20E-04	2.24E-04	2.24E-04	7.61E-08	2.30E-07	1.33E-07	1.36E-07	1.23E-07	5.50E-08	5.61E-08	2.54E-09	6.14E-08	1.35E-08	1.84E-08	2.92E-08	5.05E-09	3.70E-09	1.34E-07
5044	473363.09	3863877.25	2.25E-04	2.30E-04	2.29E-04	7.79E-08	2.35E-07	1.36E-07	1.39E-07	1.26E-07	5.63E-08	5.74E-08	2.60E-09	6.29E-08	1.39E-08	1.89E-08	2.99E-08	5.17E-09	3.79E-09	1.37E-07
5045	473863.09	3863877.25	2.30E-04	2.35E-04	2.35E-04	7.98E-08	2.41E-07	1.39E-07	1.42E-07	1.29E-07	5.77E-08	5.88E-08	2.66E-09	6.43E-08	1.42E-08	1.93E-08	3.06E-08	5.29E-09	3.88E-09	1.40E-07
5046	474363.09	3863877.25	2.35E-04	2.40E-04	2.40E-04	8.14E-08	2.46E-07	1.42E-07	1.45E-07	1.32E-07	5.88E-08	6.00E-08	2.72E-09	6.57E-08	1.45E-08	1.97E-08	3.13E-08	5.40E-09	3.96E-09	1.43E-07
5047	474863.09	3863877.25	2.39E-04	2.44E-04	2.44E-04	8.28E-08	2.50E-07	1.45E-07	1.48E-07	1.34E-07	5.99E-08	6.10E-08	2.77E-09	6.68E-08	1.47E-08	2.01E-08	3.18E-08	5.50E-09	4.03E-09	1.46E-07
5048	475363.09	3863877.25	2.44E-04	2.49E-04	2.48E-04	8.44E-08	2.55E-07	1.47E-07	1.50E-07	1.36E-07	6.10E-08	6.22E-08	2.82E-09	6.80E-08	1.50E-08	2.04E-08	3.24E-08	5.60E-09	4.10E-09	1.48E-07
5049	475863.09	3863877.25	2.48E-04	2.53E-04	2.53E-04	8.59E-08	2.59E-07	1.50E-07	1.53E-07	1.39E-07	6.21E-08	6.33E-08	2.87E-09	6.93E-08	1.53E-08	2.08E-08	3.30E-08	5.70E-09	4.17E-09	1.51E-07
5050	476363.09	3863877.25	2.53E-04	2.58E-04	2.58E-04	8.75E-08	2.64E-07	1.53E-07	1.56E-07	1.42E-07	6.33E-08	6.45E-08	2.92E-09	7.06E-08	1.56E-08	2.12E-08	3.36E-08	5.81E-09	4.25E-09	1.54E-07
5051	476863.09	3863877.25	2.57E-04	2.62E-04	2.62E-04	8.90E-08	2.69E-07	1.56E-07	1.59E-07	1.44E-07	6.44E-08	6.56E-08	2.97E-09	7.18E-08	1.58E-08	2.16E-08	3.42E-08	5.91E-09	4.33E-09	1.57E-07
5052	477363.09	3863877.25	2.62E-04	2.68E-04	2.67E-04	9.08E-08	2.74E-07	1.59E-07	1.62E-07	1.47E-07	6.56E-08	6.69E-08	3.03E-09	7.32E-08	1.62E-08	2.20E-08	3.49E-08	6.02E-09	4.41E-09	1.60E-07
5053	477863.09	3863877.25	2.68E-04	2.73E-04	2.73E-04	9.26E-08	2.80E-07	1.62E-07	1.65E-07	1.50E-07	6.70E-08	6.82E-08	3.09E-09	7.47E-08	1.65E-08	2.24E-08	3.56E-08	6.15E-09	4.50E-09	1.63E-07
5054	478363.09	3863877.25	2.67E-04	2.72E-04	2.72E-04	9.23E-08	2.79E-07	1.61E-07	1.65E-07	1.49E-07	6.67E-08	6.80E-08	3.08E-09	7.45E-08	1.64E-08	2.24E-08	3.55E-08	6.12E-09	4.49E-09	1.62E-07
5055	478863.09	3863877.25	2.82E-04	2.88E-04	2.87E-04	9.76E-08	2.95E-07	1.71E-07	1.74E-07	1.58E-07	7.06E-08	7.19E-08	3.26E-09	7.87E-08	1.74E-08	2.36E-08	3.75E-08	6.48E-09	4.74E-09	1.72E-07
5056	479363.09	3863877.25	2.92E-04	2.98E-04	2.98E-04	1.01E-07	3.05E-07	1.77E-07	1.80E-07	1.63E-07	7.31E-08	7.45E-08	3.38E-09	8.15E-08	1.80E-08	2.45E-08	3.88E-08	6.71E-09	4.91E-09	1.78E-07
5057	479863.09	3863877.25	2.99E-04	3.05E-04	3.05E-04	1.04E-07	3.13E-07	1.81E-07	1.85E-07	1.67E-07	7.49E-08	7.63E-08	3.46E-09	8.35E-08	1.84E-08	2.51E-08	3.98E-08	6.87E-09	5.03E-09	1.82E-07
5058	480363.09	3863877.25	3.04E-04	3.11E-04	3.10E-04	1.05E-07	3.18E-07	1.84E-07	1.88E-07	1.70E-07	7.62E-08	7.76E-08	3.52E-09	8.50E-08	1.88E-08	2.55E-08	4.05E-08	6.99E-09	5.12E-09	1.85E-07
5059	480863.09	3863877.25	3.10E-04	3.16E-04	3.16E-04	1.07E-07	3.24E-07	1.88E-07	1.91E-07	1.73E-07	7.76E-08	7.91E-08	3.58E-09	8.66E-08	1.91E-08	2.60E-08	4.12E-08	7.12E-09	5.22E-09	1.89E-07
5060	481363.09	3863877.25	3.15E-04	3.22E-04	3.21E-04	1.09E-07	3.30E-07	1.91E-07	1.95E-07	1.76E-07	7.89E-08	8.04E-08	3.64E-09	8.80E-08	1.94E-08	2.64E-08	4.19E-08	7.24E-09	5.30E-09	1.92E-07
5061	481863.09	3863877.25	3.21E-04	3.28E-04	3.27E-04	1.11E-07	3.36E-07	1.94E-07	1.98E-07	1.80E-07	8.04E-08	8.19E-08	3.71E-09	8.97E-08	1.98E-08	2.69E-08	4.27E-08	7.38E-09	5.40E-09	1.96E-07
5062	482363.09	3863877.25	3.28E-04	3.35E-04	3.34E-04	1.14E-07	3.43E-07	1.98E-07	2.02E-07	1.84E-07	8.21E-08	8.37E-08	3.79E-09	9.16E-08	2.02E-08	2.75E-08	4.36E-08	7.53E-09	5.52E-09	2.00E-07
5063	482863.09	3863877.25	3.34E-04	3.41E-04	3.41E-04	1.16E-07	3.50E-07	2.02E-07	2.06E-07	1.87E-07	8.37E-08	8.53E-08	3.87E-09	9.34E-08	2.06E-08	2.80E-08	4.45E-08	7.68E-09	5.63E-09	2.04E-07
5064	483363.09	3863877.25	3.43E-04	3.50E-04	3.49E-04	1.19E-07	3.58E-07	2.07E-07	2.12E-07	1.92E-07	8.58E-08	8.74E-08	3.96E-09	9.57E-08	2.11E-08	2.87E-08	4.56E-08	7.87E-09	5.77E-09	2.09E-07
5065	483863.09	3863877.25	3.53E-04	3.61E-04	3.60E-04	1.22E-07	3.69E-07	2.14E-07	2.18E-07	1.98E-07	8.84E-08	9.01E-08	4.08E-09	9.86E-08	2.18E-08	2.96E-08	4.70E-08	8.11E-09	5.94E-09	2.15E-07
5066	484363.09	3863877.25	3.64E-04	3.72E-04	3.71E-04	1.26E-07	3.81E-07	2.20E-07	2.25E-07	2.04E-07	9.12E-08	9.29E-08	4.21E-09	1.02E-07	2.24E-08	3.05E-08	4.84E-08	8.37E-09	6.13E-09	2.22E-07

5067	484863.09	3863877.25	3.78E-04	3.85E-04	3.85E-04	1.31E-07	3.95E-07	2.29E-07	2.33E-07	2.11E-07	9.45E-08	9.64E-08	4.37E-09	1.05E-07	2.33E-08	3.17E-08	5.02E-08	8.68E-09	6.36E-09	2.30E-07
5068	485363.09	3863877.25	3.90E-04	3.98E-04	3.98E-04	1.35E-07	4.08E-07	2.36E-07	2.41E-07	2.18E-07	9.76E-08	9.95E-08	4.51E-09	1.09E-07	2.40E-08	3.27E-08	5.19E-08	8.96E-09	6.56E-09	2.38E-07
5069	485863.09	3863877.25	4.05E-04	4.13E-04	4.13E-04	1.40E-07	4.23E-07	2.45E-07	2.50E-07	2.27E-07	1.01E-07	1.03E-07	4.68E-09	1.13E-07	2.50E-08	3.40E-08	5.39E-08	9.31E-09	6.82E-09	2.47E-07
5070	486363.09	3863877.25	4.22E-04	4.31E-04	4.30E-04	1.46E-07	4.41E-07	2.55E-07	2.61E-07	2.36E-07	1.06E-07	1.08E-07	4.88E-09	1.18E-07	2.60E-08	3.54E-08	5.61E-08	9.69E-09	7.10E-09	2.57E-07
5071	486863.09	3863877.25	4.41E-04	4.50E-04	4.50E-04	1.53E-07	4.61E-07	2.67E-07	2.73E-07	2.47E-07	1.10E-07	1.13E-07	5.10E-09	1.23E-07	2.72E-08	3.70E-08	5.87E-08	1.01E-08	7.43E-09	2.69E-07
5072	487363.09	3863877.25	4.60E-04	4.70E-04	4.69E-04	1.59E-07	4.81E-07	2.78E-07	2.84E-07	2.58E-07	1.15E-07	1.17E-07	5.32E-09	1.29E-07	2.84E-08	3.86E-08	6.12E-08	1.06E-08	7.74E-09	2.80E-07
5073	487863.09	3863877.25	4.81E-04	4.91E-04	4.90E-04	1.67E-07	5.03E-07	2.91E-07	2.97E-07	2.69E-07	1.20E-07	1.23E-07	5.56E-09	1.34E-07	2.96E-08	4.03E-08	6.40E-08	1.11E-08	8.10E-09	2.93E-07
5074	488363.09	3863877.25	5.01E-04	5.11E-04	5.11E-04	1.74E-07	5.24E-07	3.03E-07	3.09E-07	2.81E-07	1.25E-07	1.28E-07	5.79E-09	1.40E-07	3.09E-08	4.20E-08	6.67E-08	1.15E-08	8.43E-09	3.05E-07
5075	488863.09	3863877.25	5.18E-04	5.29E-04	5.28E-04	1.79E-07	5.42E-07	3.14E-07	3.20E-07	2.90E-07	1.30E-07	1.32E-07	5.99E-09	1.45E-07	3.19E-08	4.34E-08	6.89E-08	1.19E-08	8.72E-09	3.16E-07
5076	489363.09	3863877.25	5.24E-04	5.35E-04	5.34E-04	1.81E-07	5.48E-07	3.17E-07	3.24E-07	2.93E-07	1.31E-07	1.34E-07	6.06E-09	1.46E-07	3.23E-08	4.39E-08	6.97E-08	1.20E-08	8.82E-09	3.19E-07
5077	489863.09	3863877.25	5.24E-04	5.35E-04	5.34E-04	1.81E-07	5.48E-07	3.17E-07	3.24E-07	2.93E-07	1.31E-07	1.34E-07	6.06E-09	1.46E-07	3.23E-08	4.39E-08	6.97E-08	1.20E-08	8.82E-09	3.19E-07
5078	490363.09	3863877.25	5.23E-04	5.34E-04	5.33E-04	1.81E-07	5.47E-07	3.16E-07	3.23E-07	2.93E-07	1.31E-07	1.33E-07	6.05E-09	1.46E-07	3.22E-08	4.38E-08	6.96E-08	1.20E-08	8.80E-09	3.19E-07
5079	490863.09	3863877.25	5.23E-04	5.33E-04	5.33E-04	1.81E-07	5.46E-07	3.16E-07	3.23E-07	2.93E-07	1.31E-07	1.33E-07	6.04E-09	1.46E-07	3.22E-08	4.38E-08	6.95E-08	1.20E-08	8.80E-09	3.18E-07
5080	491363.09	3863877.25	5.14E-04	5.24E-04	5.24E-04	1.78E-07	5.37E-07	3.11E-07	3.17E-07	2.88E-07	1.29E-07	1.31E-07	5.94E-09	1.43E-07	3.17E-08	4.31E-08	6.83E-08	1.18E-08	8.65E-09	3.13E-07
5081	491863.09	3863877.25	5.21E-04	5.31E-04	5.31E-04	1.80E-07	5.44E-07	3.15E-07	3.21E-07	2.91E-07	1.30E-07	1.33E-07	6.02E-09	1.45E-07	3.21E-08	4.36E-08	6.92E-08	1.20E-08	8.76E-09	3.17E-07
5082	492363.09	3863877.25	5.18E-04	5.28E-04	5.28E-04	1.79E-07	5.41E-07	3.13E-07	3.20E-07	2.90E-07	1.30E-07	1.32E-07	5.98E-09	1.45E-07	3.19E-08	4.34E-08	6.88E-08	1.19E-08	8.71E-09	3.15E-07
5083	492863.09	3863877.25	4.83E-04	4.93E-04	4.93E-04	1.67E-07	5.05E-07	2.92E-07	2.98E-07	2.70E-07	1.21E-07	1.23E-07	5.59E-09	1.35E-07	2.98E-08	4.05E-08	6.43E-08	1.11E-08	8.13E-09	2.94E-07
5084	493363.09	3863877.25	4.91E-04	5.02E-04	5.01E-04	1.70E-07	5.14E-07	2.97E-07	3.03E-07	2.75E-07	1.23E-07	1.25E-07	5.68E-09	1.37E-07	3.03E-08	4.12E-08	6.54E-08	1.13E-08	8.27E-09	2.99E-07
5085	493863.09	3863877.25	5.09E-04	5.20E-04	5.19E-04	1.76E-07	5.32E-07	3.08E-07	3.14E-07	2.85E-07	1.27E-07	1.30E-07	5.89E-09	1.42E-07	3.14E-08	4.27E-08	6.77E-08	1.17E-08	8.57E-09	3.10E-07
5086	494363.09	3863877.25	5.29E-04	5.40E-04	5.39E-04	1.83E-07	5.53E-07	3.20E-07	3.27E-07	2.96E-07	1.32E-07	1.35E-07	6.12E-09	1.48E-07	3.26E-08	4.44E-08	7.04E-08	1.22E-08	8.90E-09	3.22E-07
5087	494863.09	3863877.25	5.27E-04	5.38E-04	5.37E-04	1.82E-07	5.51E-07	3.19E-07	3.25E-07	2.95E-07	1.32E-07	1.34E-07	6.09E-09	1.47E-07	3.25E-08	4.42E-08	7.01E-08	1.21E-08	8.86E-09	3.21E-07
5088	495363.09	3863877.25	5.22E-04	5.33E-04	5.32E-04	1.81E-07	5.45E-07	3.16E-07	3.22E-07	2.92E-07	1.31E-07	1.33E-07	6.03E-09	1.46E-07	3.22E-08	4.37E-08	6.94E-08	1.20E-08	8.78E-09	3.18E-07
5089	495863.09	3863877.25	4.97E-04	5.07E-04	5.06E-04	1.72E-07	5.19E-07	3.00E-07	3.07E-07	2.78E-07	1.24E-07	1.27E-07	5.74E-09	1.39E-07	3.06E-08	4.16E-08	6.60E-08	1.14E-08	8.35E-09	3.02E-07
5090	496363.09	3863877.25	4.81E-04	4.91E-04	4.90E-04	1.67E-07	5.03E-07	2.91E-07	2.97E-07	2.69E-07	1.20E-07	1.23E-07	5.56E-09	1.34E-07	2.96E-08	4.03E-08	6.40E-08	1.11E-08	8.10E-09	2.93E-07
5091	496863.09	3863877.25	4.74E-04	4.84E-04	4.83E-04	1.64E-07	4.96E-07	2.87E-07	2.93E-07	2.65E-07	1.19E-07	1.21E-07	5.48E-09	1.32E-07	2.92E-08	3.97E-08	6.30E-08	1.09E-08	7.98E-09	2.89E-07
5092	497363.09	3863877.25	4.77E-04	4.87E-04	4.86E-04	1.65E-07	4.99E-07	2.89E-07	2.95E-07	2.67E-07	1.19E-07	1.22E-07	5.51E-09	1.33E-07	2.94E-08	4.00E-08	6.34E-08	1.10E-08	8.03E-09	2.91E-07
5093	497863.09	3863877.25	4.85E-04	4.95E-04	4.94E-04	1.68E-07	5.07E-07	2.93E-07	2.99E-07	2.71E-07	1.21E-07	1.24E-07	5.61E-09	1.35E-07	2.99E-08	4.07E-08	6.45E-08	1.11E-08	8.16E-09	2.95E-07
5094	498363.09	3863877.25	4.83E-04	4.93E-04	4.92E-04	1.67E-07	5.04E-07	2.92E-07	2.98E-07	2.70E-07	1.21E-07	1.23E-07	5.58E-09	1.35E-07	2.97E-08	4.05E-08	6.42E-08	1.11E-08	8.12E-09	2.94E-07
5095	471363.09	3864377.25	1.97E-04	2.01E-04	2.01E-04	6.83E-08	2.06E-07	1.19E-07	1.22E-07	1.10E-07	4.94E-08	5.04E-08	2.28E-09	5.51E-08	1.22E-08	1.65E-08	2.63E-08	4.53E-09	3.32E-09	1.20E-07
5096	471863.09	3864377.25	2.02E-04	2.07E-04	2.06E-04	7.01E-08	2.12E-07	1.22E-07	1.25E-07	1.13E-07	5.07E-08	5.16E-08	2.34E-09	5.65E-08	1.25E-08	1.70E-08	2.69E-08	4.65E-09	3.41E-09	1.23E-07
5097	472363.09	3864377.25	2.08E-04	2.12E-04	2.12E-04	7.19E-08	2.17E-07	1.26E-07	1.28E-07	1.16E-07	5.20E-08	5.30E-08	2.40E-09	5.80E-08	1.28E-08	1.74E-08	2.76E-08	4.77E-09	3.50E-09	1.27E-07
5098	472863.09	3864377.25	2.13E-04	2.17E-04	2.17E-04	7.37E-08	2.23E-07	1.29E-07	1.32E-07	1.19E-07	5.33E-08	5.43E-08	2.46E-09	5.95E-08	1.31E-08	1.79E-08	2.83E-08	4.89E-09	3.58E-09	1.30E-07
5099	473363.09	3864377.25	2.18E-04	2.22E-04	2.22E-04	7.54E-08	2.28E-07	1.32E-07	1.34E-07	1.22E-07	5.45E-08	5.55E-08	2.52E-09	6.08E-08	1.34E-08	1.83E-08	2.90E-08	5.00E-09	3.66E-09	1.33E-07
5100	473863.09	3864377.25	2.22E-04	2.27E-04	2.27E-04	7.70E-08	2.33E-07	1.35E-07	1.37E-07	1.25E-07	5.57E-08	5.67E-08	2.57E-09	6.21E-08	1.37E-08	1.86E-08	2.96E-08	5.11E-09	3.74E-09	1.35E-07
5101	474363.09	3864377.25	2.27E-04	2.31E-04	2.31E-04	7.84E-08	2.37E-07	1.37E-07	1.40E-07	1.27E-07	5.67E-08	5.78E-08	2.62E-09	6.33E-08	1.40E-08	1.90E-08	3.01E-08	5.20E-09	3.81E-09	1.38E-07
5102	474863.09	3864377.25	2.31E-04	2.35E-04	2.35E-04	7.99E-08	2.41E-07	1.40E-07	1.42E-07	1.29E-07	5.77E-08	5.89E-08	2.67E-09	6.44E-08	1.42E-08	1.93E-08	3.07E-08	5.30E-09	3.88E-09	1.41E-07
5103	475363.09	3864377.25	2.35E-04	2.40E-04	2.39E-04	8.13E-08	2.45E-07	1.42E-07	1.45E-07	1.31E-07	5.88E-08	5.99E-08	2.71E-09	6.56E-08	1.45E-08	1.97E-08	3.12E-08	5.39E-09	3.95E-09	1.43E-07
5104	475863.09	3864377.25	2.39E-04	2.44E-04	2.44E-04	8.27E-08	2.50E-07	1.45E-07	1.48E-07	1.34E-07	5.98E-08	6.10E-08	2.76E-09	6.67E-08	1.47E-08	2.00E-08	3.18E-08	5.49E-09	4.02E-09	1.46E-07
5105	476363.09	3864377.25	2.43E-04	2.48E-04	2.48E-04	8.42E-08	2.54E-07	1.47E-07	1.50E-07	1.36E-07	6.08E-08	6.20E-08	2.81E-09	6.79E-08	1.50E-08	2.04E-08	3.23E-08	5.58E-09	4.09E-09	1.48E-07
5106	476863.09	3864377.25	2.48E-04	2.53E-04	2.53E-04	8.58E-08	2.59E-07	1.50E-07	1.53E-07	1.39E-07	6.20E-08	6.32E-08	2.86E-09	6.92E-08	1.53E-08	2.08E-08	3.30E-08	5.69E-09	4.17E-09	1.51E-07
5107	477363.09	3864377.25	2.53E-04	2.58E-04	2.57E-04	8.74E-08	2.64E-07	1.53E-07	1.56E-07	1.41E-07	6.32E-08	6.44E-08	2.92E-09	7.05E-08	1.56E-08	2.12E-08	3.36E-08	5.80E-09	4.25E-09	1.54E-07
5108	477863.09	3864377.25	2.58E-04	2.63E-04	2.63E-04	8.94E-08	2.70E-07	1.56E-07	1.59E-07	1.44E-07	6.46E-08	6.58E-08	2.98E-09	7.21E-08	1.59E-08	2.16E-08	3.43E-08	5.93E-09	4.34E-09	1.57E-07
5109	478363.09	3864377.25	2.65E-04	2.70E-04	2.70E-04	9.17E-08	2.77E-07	1.60E-07	1.64E-07	1.48E-07	6.63E-08	6.76E-08	3.06E-09	7.40E-08	1.63E-08	2.22E-08	3.52E-08	6.08E-09	4.46E-09	1.61E-07
5110	478863.09	3864377.25	2.72E-04	2.78E-04	2.78E-04	9.42E-08	2.85E-07	1.65E-07	1.68E-07	1.52E-07	6.81E-08	6.95E-08	3.15E-09	7.60E-08	1.68E-08	2.28E-08	3.62E-08	6.25E-09	4.58E-09	1.66E-07
5111	479363.09	3864377.25	2.78E-04	2.84E-04	2.84E-04	9.63E-08	2.91E-07	1.68E-07	1.72E-07	1.56E-07	6.96E-08	7.10E-08	3.22E-09	7.77E-08	1.71E-08	2.33E-08	3.70E-08	6.39E-09	4.68E-09	1.69E-07
5112	479863.09	3864377.25	2.83E-04	2.88E-04	2.88E-04	9.78E-08	2.95E-07	1.71E-07	1.74E-07	1.58E-07	7.07E-08	7.21E-08	3.27E-09	7.89E-08	1.74E-08	2.37E-08	3.76E-08	6.49E-09	4.75E-09	1.72E-07
5113	480363.09	3864377.25	2.86E-04	2.92E-04	2.92E-04	9.91E-08	2.99E-07	1.73E-07	1.77E-07	1.60E-07	7.17E-08	7.31E-08	3.31E-09	8.00E-08	1.76E-08	2.40E-08	3.81E-08	6.58E-09	4.82E-09	1.74E-07
5114	480863.09	3864377.25	2.89E-04	2.95E-04	2.95E-04	1.00E-07	3.02E-07	1.75E-07	1.79E-07	1.62E-07	7.24E-08	7.38E-08	3.34E-09	8.08E-08	1.78E-08	2.43E-08	3.85E-08	6.65E-09	4.87E-09	1.76E-07
5115	481363.09	3864377.25	2.94E-04	3.00E-04	3.00E-04	1.02E-07	3.07E-07	1.78E-07	1.82E-07	1.65E-07	7.36E-08	7.50E-08	3.40E-09	8.21E-08	1.81E-08	2.47E-08	3.91E-08	6.75E-09	4.95E-09	1.79E-07
5116	481863.09	3864377.25	2.99E-04	3.05E-04	3.05E-04	1.04E-07	3.13E-07	1.81E-07	1.85E-07	1.67E-07	7.49E-08	7.63E-08	3.46E-09	8.35E-08	1.84E-08	2.51E-08	3.98E-08	6.87E-09	5.03E-09	1.82E-07
5117	482363.09	3864377.25	3.04E-04	3.10E-04	3.10E-04	1.05E-07	3.18E-07	1.84E-07	1.88E-07	1.70E-07	7.60E-08	7.75E-08	3.51E-09	8.48E-08	1.87E-08	2.55E-08	4.04E-08	6.98E-09	5.11E-09	1.85E-07
5118	482863.09	3864377.25	3.09E-04	3.15E-04	3.15E-04	1.07E-07	3.23E-07	1.87E-07	1.91E-07	1.73E-07	7.73E-08	7.88E-08	3.57E-09	8.62E-08	1.90E-08	2.59E-08	4.11E-08	7.09E-09	5.20E-09	1.88E-07
5119	483363.09	3864377.25	3.15E-04	3.21E-04	3.21E-04	1.09E-07	3.29E-07	1.90E-07	1.94E-07	1.76E-07	7.88E-08	8.03E-08	3.64E-09	8.79E-08	1.94E-08	2.64E-08	4.18E-08	7.23E-09	5.29E-09	1.92E-07
5120	483863.09	3864377.25	3.23E-04	3.29E-04	3.29E-04	1.12E-07	3.37E-07	1.95E-07	1.99E-07	1.81E-07	8.08E-08	8.23E-08	3.73E-09	9.01E-08	1.99E-08	2.70E-08	4.29E-08	7.41E-09	5.43E-09	1.96E-07
5121	484363.09	3864377.25	3.33E-04	3.39E-04	3.39E-04	1.15E-07	3.48E-07	2.01E-07	2.05E-07	1.86E-07	8.33E-08	8.49E-08	3.85E-09	9.29E-08	2.05E-08	2.79E-08	4.42E-08	7.64E-09	5.60E-09	2.03E-07
5122	484863.09	3864377.25	3.43E-04	3.50E-04	3.49E-04	1.19E-07	3.58E-07	2.07E-07	2.12E-07	1.92E-07	8.58E-08	8.74E-08	3.96E-09	9.57E-08	2.11E-08	2.87E-08	4.56E-08	7.87E-09	5.77E-09	2.09E-07
5123	485363.09	3864377.25	3.55E-04	3.62E-04	3.62E-04	1.23E-07	3.71E-07	2.15E-07	2.19E-07	1.99E-07	8.88E-08	9.05E-08	4.10E-09	9.91E-08	2.19E-08	2.97E-08	4.72E-08	8.15E-09	5.97E-09	2.16E-07

5124	485863.09	3864377.25	3.70E-04	3.77E-04	3.77E-04	1.28E-07	3.87E-07	2.24E-07	2.28E-07	2.07E-07	9.26E-08	9.43E-08	4.27E-09	1.03E-07	2.28E-08	3.10E-08	4.92E-08	8.49E-09	6.22E-09	2.25E-07
5125	486363.09	3864377.25	3.86E-04	3.94E-04	3.93E-04	1.34E-07	4.03E-07	2.33E-07	2.38E-07	2.16E-07	9.65E-08	9.84E-08	4.46E-09	1.08E-07	2.38E-08	3.23E-08	5.13E-08	8.86E-09	6.49E-09	2.35E-07
5126	486863.09	3864377.25	3.99E-04	4.07E-04	4.07E-04	1.38E-07	4.17E-07	2.42E-07	2.47E-07	2.23E-07	9.99E-08	1.02E-07	4.62E-09	1.11E-07	2.46E-08	3.35E-08	5.31E-08	9.17E-09	6.72E-09	2.43E-07
5127	487363.09	3864377.25	4.14E-04	4.22E-04	4.22E-04	1.43E-07	4.33E-07	2.50E-07	2.56E-07	2.32E-07	1.04E-07	1.06E-07	4.79E-09	1.16E-07	2.55E-08	3.47E-08	5.51E-08	9.51E-09	6.97E-09	2.52E-07
5128	487863.09	3864377.25	4.30E-04	4.39E-04	4.38E-04	1.49E-07	4.50E-07	2.60E-07	2.66E-07	2.41E-07	1.08E-07	1.10E-07	4.97E-09	1.20E-07	2.65E-08	3.61E-08	5.72E-08	9.88E-09	7.24E-09	2.62E-07
5129	488363.09	3864377.25	4.44E-04	4.53E-04	4.52E-04	1.54E-07	4.64E-07	2.69E-07	2.74E-07	2.48E-07	1.11E-07	1.13E-07	5.13E-09	1.24E-07	2.73E-08	3.72E-08	5.90E-08	1.02E-08	7.47E-09	2.70E-07
5130	488863.09	3864377.25	4.55E-04	4.64E-04	4.63E-04	1.57E-07	4.75E-07	2.75E-07	2.81E-07	2.54E-07	1.14E-07	1.16E-07	5.26E-09	1.27E-07	2.80E-08	3.81E-08	6.05E-08	1.04E-08	7.65E-09	2.77E-07
5131	489363.09	3864377.25	4.57E-04	4.67E-04	4.66E-04	1.58E-07	4.78E-07	2.77E-07	2.82E-07	2.56E-07	1.14E-07	1.17E-07	5.29E-09	1.28E-07	2.82E-08	3.83E-08	6.08E-08	1.05E-08	7.69E-09	2.79E-07
5132	489863.09	3864377.25	4.54E-04	4.64E-04	4.63E-04	1.57E-07	4.75E-07	2.75E-07	2.81E-07	2.54E-07	1.14E-07	1.16E-07	5.25E-09	1.27E-07	2.80E-08	3.81E-08	6.04E-08	1.04E-08	7.65E-09	2.77E-07
5133	490363.09	3864377.25	4.54E-04	4.63E-04	4.63E-04	1.57E-07	4.74E-07	2.75E-07	2.80E-07	2.54E-07	1.14E-07	1.16E-07	5.25E-09	1.27E-07	2.80E-08	3.80E-08	6.03E-08	1.04E-08	7.64E-09	2.76E-07
5134	490863.09	3864377.25	4.55E-04	4.65E-04	4.64E-04	1.58E-07	4.76E-07	2.75E-07	2.81E-07	2.55E-07	1.14E-07	1.16E-07	5.26E-09	1.27E-07	2.80E-08	3.82E-08	6.05E-08	1.05E-08	7.66E-09	2.77E-07
5135	491363.09	3864377.25	4.56E-04	4.65E-04	4.65E-04	1.58E-07	4.77E-07	2.76E-07	2.82E-07	2.55E-07	1.14E-07	1.16E-07	5.27E-09	1.27E-07	2.81E-08	3.82E-08	6.07E-08	1.05E-08	7.67E-09	2.78E-07
5136	491863.09	3864377.25	2.12E-04	2.16E-04	2.16E-04	7.34E-08	2.22E-07	1.28E-07	1.31E-07	1.19E-07	5.31E-08	5.41E-08	2.45E-09	5.92E-08	1.31E-08	1.78E-08	2.82E-08	4.87E-09	3.57E-09	1.29E-07
5137	492363.09	3864377.25	3.49E-04	3.57E-04	3.56E-04	1.21E-07	3.65E-07	2.11E-07	2.16E-07	1.96E-07	8.75E-08	8.91E-08	4.04E-09	9.76E-08	2.15E-08	2.93E-08	4.65E-08	8.03E-09	5.88E-09	2.13E-07
5138	492863.09	3864377.25	2.41E-04	2.46E-04	2.45E-04	8.33E-08	2.52E-07	1.46E-07	1.49E-07	1.35E-07	6.03E-08	6.14E-08	2.78E-09	6.72E-08	1.48E-08	2.02E-08	3.20E-08	5.53E-09	4.05E-09	1.47E-07
5139	493363.09	3864377.25	3.25E-04	3.31E-04	3.31E-04	1.12E-07	3.39E-07	1.96E-07	2.00E-07	1.82E-07	8.13E-08	8.28E-08	3.75E-09	9.07E-08	2.00E-08	2.72E-08	4.32E-08	7.46E-09	5.46E-09	1.98E-07
5140	493863.09	3864377.25	3.95E-04	4.04E-04	4.03E-04	1.37E-07	4.13E-07	2.39E-07	2.44E-07	2.21E-07	9.90E-08	1.01E-07	4.57E-09	1.10E-07	2.44E-08	3.31E-08	5.26E-08	9.08E-09	6.65E-09	2.41E-07
5141	494363.09	3864377.25	4.28E-04	4.37E-04	4.36E-04	1.48E-07	4.48E-07	2.59E-07	2.64E-07	2.40E-07	1.07E-07	1.09E-07	4.95E-09	1.20E-07	2.64E-08	3.59E-08	5.69E-08	9.83E-09	7.20E-09	2.61E-07
5142	494863.09	3864377.25	4.54E-04	4.63E-04	4.63E-04	1.57E-07	4.74E-07	2.75E-07	2.80E-07	2.54E-07	1.14E-07	1.16E-07	5.25E-09	1.27E-07	2.80E-08	3.80E-08	6.03E-08	1.04E-08	7.64E-09	2.76E-07
5143	495363.09	3864377.25	4.55E-04	4.65E-04	4.64E-04	1.58E-07	4.76E-07	2.75E-07	2.81E-07	2.55E-07	1.14E-07	1.16E-07	5.26E-09	1.27E-07	2.80E-08	3.82E-08	6.05E-08	1.05E-08	7.66E-09	2.77E-07
5144	495863.09	3864377.25	4.52E-04	4.62E-04	4.61E-04	1.57E-07	4.73E-07	2.74E-07	2.79E-07	2.53E-07	1.13E-07	1.15E-07	5.23E-09	1.26E-07	2.79E-08	3.79E-08	6.01E-08	1.04E-08	7.61E-09	2.75E-07
5145	496363.09	3864377.25	4.32E-04	4.41E-04	4.41E-04	1.50E-07	4.52E-07	2.62E-07	2.67E-07	2.42E-07	1.08E-07	1.10E-07	5.00E-09	1.21E-07	2.66E-08	3.62E-08	5.75E-08	9.93E-09	7.27E-09	2.63E-07
5146	496863.09	3864377.25	4.17E-04	4.26E-04	4.25E-04	1.44E-07	4.36E-07	2.52E-07	2.58E-07	2.34E-07	1.04E-07	1.06E-07	4.82E-09	1.17E-07	2.57E-08	3.50E-08	5.55E-08	9.58E-09	7.02E-09	2.54E-07
5147	497363.09	3864377.25	4.10E-04	4.18E-04	4.17E-04	1.42E-07	4.28E-07	2.48E-07	2.53E-07	2.29E-07	1.03E-07	1.04E-07	4.73E-09	1.14E-07	2.52E-08	3.43E-08	5.45E-08	9.41E-09	6.89E-09	2.49E-07
5148	497863.09	3864377.25	4.13E-04	4.22E-04	4.21E-04	1.43E-07	4.32E-07	2.50E-07	2.55E-07	2.31E-07	1.03E-07	1.05E-07	4.78E-09	1.15E-07	2.55E-08	3.46E-08	5.49E-08	9.49E-09	6.95E-09	2.52E-07
5149	498363.09	3864377.25	4.15E-04	4.24E-04	4.23E-04	1.44E-07	4.34E-07	2.51E-07	2.57E-07	2.33E-07	1.04E-07	1.06E-07	4.80E-09	1.16E-07	2.56E-08	3.48E-08	5.53E-08	9.54E-09	6.99E-09	2.53E-07
5150	471363.09	3864877.25	1.92E-04	1.96E-04	1.96E-04	6.65E-08	2.01E-07	1.16E-07	1.19E-07	1.08E-07	4.81E-08	4.90E-08	2.22E-09	5.36E-08	1.18E-08	1.61E-08	2.55E-08	4.41E-09	3.23E-09	1.17E-07
5151	471863.09	3864877.25	1.97E-04	2.01E-04	2.01E-04	6.81E-08	2.06E-07	1.19E-07	1.22E-07	1.10E-07	4.93E-08	5.02E-08	2.28E-09	5.50E-08	1.21E-08	1.65E-08	2.62E-08	4.52E-09	3.31E-09	1.20E-07
5152	472363.09	3864877.25	2.02E-04	2.06E-04	2.06E-04	6.99E-08	2.11E-07	1.22E-07	1.25E-07	1.13E-07	5.05E-08	5.15E-08	2.33E-09	5.64E-08	1.24E-08	1.69E-08	2.68E-08	4.64E-09	3.40E-09	1.23E-07
5153	472863.09	3864877.25	2.07E-04	2.11E-04	2.11E-04	7.15E-08	2.16E-07	1.25E-07	1.28E-07	1.16E-07	5.17E-08	5.27E-08	2.39E-09	5.77E-08	1.27E-08	1.73E-08	2.75E-08	4.74E-09	3.48E-09	1.26E-07
5154	473363.09	3864877.25	2.11E-04	2.15E-04	2.15E-04	7.29E-08	2.20E-07	1.27E-07	1.30E-07	1.18E-07	5.27E-08	5.37E-08	2.44E-09	5.88E-08	1.30E-08	1.77E-08	2.80E-08	4.84E-09	3.54E-09	1.28E-07
5155	473863.09	3864877.25	2.15E-04	2.19E-04	2.19E-04	7.43E-08	2.24E-07	1.30E-07	1.32E-07	1.20E-07	5.37E-08	5.47E-08	2.48E-09	5.99E-08	1.32E-08	1.80E-08	2.85E-08	4.93E-09	3.61E-09	1.31E-07
5156	474363.09	3864877.25	2.19E-04	2.23E-04	2.23E-04	7.57E-08	2.29E-07	1.32E-07	1.35E-07	1.22E-07	5.47E-08	5.58E-08	2.53E-09	6.10E-08	1.35E-08	1.83E-08	2.91E-08	5.02E-09	3.68E-09	1.33E-07
5157	474863.09	3864877.25	2.22E-04	2.27E-04	2.26E-04	7.69E-08	2.32E-07	1.34E-07	1.37E-07	1.24E-07	5.56E-08	5.67E-08	2.57E-09	6.20E-08	1.37E-08	1.86E-08	2.95E-08	5.10E-09	3.74E-09	1.35E-07
5158	475363.09	3864877.25	2.26E-04	2.31E-04	2.30E-04	7.82E-08	2.36E-07	1.37E-07	1.40E-07	1.26E-07	5.66E-08	5.77E-08	2.61E-09	6.31E-08	1.39E-08	1.89E-08	3.01E-08	5.19E-09	3.80E-09	1.38E-07
5159	475863.09	3864877.25	2.30E-04	2.34E-04	2.34E-04	7.95E-08	2.40E-07	1.39E-07	1.42E-07	1.28E-07	5.74E-08	5.86E-08	2.65E-09	6.41E-08	1.41E-08	1.92E-08	3.05E-08	5.27E-09	3.86E-09	1.40E-07
5160	476363.09	3864877.25	2.33E-04	2.38E-04	2.38E-04	8.08E-08	2.44E-07	1.41E-07	1.44E-07	1.31E-07	5.84E-08	5.95E-08	2.70E-09	6.52E-08	1.44E-08	1.96E-08	3.10E-08	5.36E-09	3.93E-09	1.42E-07
5161	476863.09	3864877.25	2.39E-04	2.44E-04	2.43E-04	8.26E-08	2.49E-07	1.44E-07	1.47E-07	1.34E-07	5.97E-08	6.09E-08	2.76E-09	6.66E-08	1.47E-08	2.00E-08	3.17E-08	5.48E-09	4.02E-09	1.45E-07
5162	477363.09	3864877.25	2.43E-04	2.48E-04	2.48E-04	8.42E-08	2.54E-07	1.47E-07	1.50E-07	1.36E-07	6.08E-08	6.20E-08	2.81E-09	6.79E-08	1.50E-08	2.04E-08	3.23E-08	5.58E-09	4.09E-09	1.48E-07
5163	477863.09	3864877.25	2.48E-04	2.53E-04	2.53E-04	8.58E-08	2.59E-07	1.50E-07	1.53E-07	1.39E-07	6.20E-08	6.32E-08	2.86E-09	6.92E-08	1.53E-08	2.08E-08	3.30E-08	5.69E-09	4.17E-09	1.51E-07
5164	478363.09	3864877.25	2.53E-04	2.58E-04	2.58E-04	8.75E-08	2.64E-07	1.53E-07	1.56E-07	1.42E-07	6.33E-08	6.45E-08	2.92E-09	7.06E-08	1.56E-08	2.12E-08	3.36E-08	5.81E-09	4.25E-09	1.54E-07
5165	478863.09	3864877.25	2.58E-04	2.63E-04	2.62E-04	8.91E-08	2.69E-07	1.56E-07	1.59E-07	1.44E-07	6.45E-08	6.57E-08	2.98E-09	7.19E-08	1.59E-08	2.16E-08	3.42E-08	5.92E-09	4.33E-09	1.57E-07
5166	479363.09	3864877.25	2.62E-04	2.67E-04	2.67E-04	9.06E-08	2.73E-07	1.58E-07	1.62E-07	1.46E-07	6.55E-08	6.67E-08	3.02E-09	7.31E-08	1.61E-08	2.19E-08	3.48E-08	6.01E-09	4.40E-09	1.59E-07
5167	479863.09	3864877.25	2.64E-04	2.70E-04	2.69E-04	9.15E-08	2.76E-07	1.60E-07	1.63E-07	1.48E-07	6.62E-08	6.74E-08	3.06E-09	7.38E-08	1.63E-08	2.22E-08	3.51E-08	6.07E-09	4.45E-09	1.61E-07
5168	480363.09	3864877.25	2.68E-04	2.73E-04	2.73E-04	9.26E-08	2.80E-07	1.62E-07	1.65E-07	1.50E-07	6.70E-08	6.82E-08	3.09E-09	7.47E-08	1.65E-08	2.24E-08	3.56E-08	6.15E-09	4.50E-09	1.63E-07
5169	480863.09	3864877.25	2.71E-04	2.76E-04	2.76E-04	9.36E-08	2.83E-07	1.64E-07	1.67E-07	1.51E-07	6.77E-08	6.90E-08	3.13E-09	7.55E-08	1.67E-08	2.27E-08	3.60E-08	6.21E-09	4.55E-09	1.65E-07
5170	481363.09	3864877.25	2.75E-04	2.80E-04	2.80E-04	9.51E-08	2.87E-07	1.66E-07	1.70E-07	1.54E-07	6.87E-08	7.01E-08	3.17E-09	7.67E-08	1.69E-08	2.30E-08	3.65E-08	6.31E-09	4.62E-09	1.67E-07
5171	481863.09	3864877.25	2.78E-04	2.84E-04	2.83E-04	9.62E-08	2.90E-07	1.68E-07	1.72E-07	1.56E-07	6.95E-08	7.09E-08	3.21E-09	7.76E-08	1.71E-08	2.33E-08	3.70E-08	6.38E-09	4.68E-09	1.69E-07
5172	482363.09	3864877.25	2.81E-04	2.87E-04	2.87E-04	9.74E-08	2.94E-07	1.70E-07	1.74E-07	1.57E-07	7.04E-08	7.18E-08	3.25E-09	7.86E-08	1.73E-08	2.36E-08	3.74E-08	6.46E-09	4.73E-09	1.71E-07
5173	482863.09	3864877.25	2.85E-04	2.90E-04	2.90E-04	9.85E-08	2.98E-07	1.72E-07	1.76E-07	1.59E-07	7.12E-08	7.26E-08	3.29E-09	7.95E-08	1.75E-08	2.39E-08	3.79E-08	6.54E-09	4.79E-09	1.73E-07
5174	483363.09	3864877.25	2.89E-04	2.95E-04	2.94E-04	1.00E-07	3.02E-07	1.75E-07	1.78E-07	1.62E-07	7.23E-08	7.37E-08	3.34E-09	8.06E-08	1.78E-08	2.42E-08	3.84E-08	6.63E-09	4.86E-09	1.76E-07
5175	483863.09	3864877.25	2.95E-04	3.01E-04	3.01E-04	1.02E-07	3.09E-07	1.79E-07	1.82E-07	1.65E-07	7.39E-08	7.53E-08	3.41E-09	8.24E-08	1.82E-08	2.48E-08	3.93E-08	6.78E-09	4.97E-09	1.80E-07
5176	484363.09	3864877.25	3.05E-04	3.11E-04	3.11E-04	1.06E-07	3.19E-07	1.85E-07	1.88E-07	1.71E-07	7.63E-08	7.78E-08	3.53E-09	8.52E-08	1.88E-08	2.56E-08	4.06E-08	7.00E-09	5.13E-09	1.86E-07
5177	484863.09	3864877.25	3.16E-04	3.23E-04	3.22E-04	1.09E-07	3.30E-07	1.91E-07	1.95E-07	1.77E-07	7.91E-08	8.07E-08	3.65E-09	8.83E-08	1.95E-08	2.65E-08	4.20E-08	7.26E-09	5.32E-09	1.93E-07
5178	485363.09	3864877.25	3.29E-04	3.36E-04	3.36E-04	1.14E-07	3.44E-07	1.99E-07	2.03E-07	1.84E-07	8.24E-08	8.40E-08	3.81E-09	9.20E-08	2.03E-08	2.76E-08	4.38E-08	7.57E-09	5.54E-09	2.01E-07
5179	485863.09	3864877.25	3.42E-04	3.49E-04	3.48E-04	1.18E-07	3.57E-07	2.07E-07	2.11E-07	1.91E-07	8.55E-08	8.72E-08	3.95E-09	9.54E-08	2.11E-08	2.87E-08	4.55E-08	7.85E-09	5.75E-09	2.08E-07
5180	486363.09	3864877.25	3.53E-04	3.60E-04	3.60E-04	1.22E-07	3.69E-07	2.14E-07	2.18E-07	1.98E-07	8.83E-08	9.00E-08	4.08E-09	9.86E-08	2.17E-08	2.96E-08	4.69E-08	8.11E-09	5.94E-09	2.15E-07

5181	486863.09	3864877.25	3.63E-04	3.70E-04	3.70E-04	1.26E-07	3.79E-07	2.19E-07	2.24E-07	2.03E-07	9.08E-08	9.25E-08	4.19E-09	1.01E-07	2.23E-08	3.04E-08	4.82E-08	8.33E-09	6.10E-09	2.21E-07
5182	487363.09	3864877.25	3.75E-04	3.82E-04	3.82E-04	1.30E-07	3.92E-07	2.27E-07	2.31E-07	2.10E-07	9.38E-08	9.56E-08	4.33E-09	1.05E-07	2.31E-08	3.14E-08	4.98E-08	8.61E-09	6.31E-09	2.28E-07
5183	487863.09	3864877.25	3.87E-04	3.95E-04	3.94E-04	1.34E-07	4.04E-07	2.34E-07	2.39E-07	2.17E-07	9.68E-08	9.87E-08	4.47E-09	1.08E-07	2.38E-08	3.24E-08	5.15E-08	8.89E-09	6.51E-09	2.36E-07
5184	488363.09	3864877.25	3.96E-04	4.04E-04	4.03E-04	1.37E-07	4.14E-07	2.39E-07	2.44E-07	2.21E-07	9.90E-08	1.01E-07	4.57E-09	1.10E-07	2.44E-08	3.32E-08	5.26E-08	9.09E-09	6.66E-09	2.41E-07
5185	488863.09	3864877.25	4.03E-04	4.11E-04	4.11E-04	1.39E-07	4.21E-07	2.44E-07	2.49E-07	2.25E-07	1.01E-07	1.03E-07	4.66E-09	1.12E-07	2.48E-08	3.38E-08	5.36E-08	9.25E-09	6.78E-09	2.45E-07
5186	489363.09	3864877.25	4.04E-04	4.12E-04	4.11E-04	1.40E-07	4.22E-07	2.44E-07	2.49E-07	2.26E-07	1.01E-07	1.03E-07	4.67E-09	1.13E-07	2.49E-08	3.38E-08	5.37E-08	9.27E-09	6.79E-09	2.46E-07
5187	489863.09	3864877.25	4.00E-04	4.08E-04	4.08E-04	1.39E-07	4.18E-07	2.42E-07	2.47E-07	2.24E-07	1.00E-07	1.02E-07	4.63E-09	1.12E-07	2.47E-08	3.35E-08	5.32E-08	9.19E-09	6.73E-09	2.44E-07
5188	490363.09	3864877.25	4.01E-04	4.09E-04	4.08E-04	1.39E-07	4.19E-07	2.42E-07	2.47E-07	2.24E-07	1.00E-07	1.02E-07	4.63E-09	1.12E-07	2.47E-08	3.36E-08	5.33E-08	9.20E-09	6.74E-09	2.44E-07
5189	490863.09	3864877.25	3.80E-04	3.88E-04	3.87E-04	1.32E-07	3.97E-07	2.30E-07	2.35E-07	2.13E-07	9.51E-08	9.70E-08	4.39E-09	1.06E-07	2.34E-08	3.19E-08	5.05E-08	8.73E-09	6.40E-09	2.31E-07
5190	491363.09	3864877.25	4.00E-04	4.09E-04	4.08E-04	1.39E-07	4.19E-07	2.42E-07	2.47E-07	2.24E-07	1.00E-07	1.02E-07	4.63E-09	1.12E-07	2.47E-08	3.36E-08	5.33E-08	9.20E-09	6.74E-09	2.44E-07
5191	491863.09	3864877.25	3.61E-04	3.68E-04	3.68E-04	1.25E-07	3.77E-07	2.18E-07	2.23E-07	2.02E-07	9.03E-08	9.20E-08	4.17E-09	1.01E-07	2.22E-08	3.02E-08	4.80E-08	8.28E-09	6.07E-09	2.20E-07
5192	492363.09	3864877.25	1.50E-04	1.53E-04	1.53E-04	5.20E-08	1.57E-07	9.09E-08	9.28E-08	8.41E-08	3.76E-08	3.83E-08	1.74E-09	4.20E-08	9.26E-09	1.26E-08	2.00E-08	3.45E-09	2.53E-09	9.15E-08
5193	492863.09	3864877.25	1.82E-04	1.86E-04	1.86E-04	6.31E-08	1.91E-07	1.10E-07	1.13E-07	1.02E-07	4.56E-08	4.65E-08	2.11E-09	5.09E-08	1.12E-08	1.53E-08	2.43E-08	4.19E-09	3.07E-09	1.11E-07
5194	493363.09	3864877.25	1.78E-04	1.82E-04	1.81E-04	6.16E-08	1.86E-07	1.08E-07	1.10E-07	9.96E-08	4.45E-08	4.54E-08	2.06E-09	4.97E-08	1.10E-08	1.49E-08	2.37E-08	4.09E-09	2.99E-09	1.08E-07
5195	493863.09	3864877.25	3.11E-04	3.18E-04	3.17E-04	1.08E-07	3.25E-07	1.88E-07	1.92E-07	1.74E-07	7.79E-08	7.94E-08	3.60E-09	8.69E-08	1.92E-08	2.61E-08	4.14E-08	7.15E-09	5.24E-09	1.89E-07
5196	494363.09	3864877.25	3.67E-04	3.74E-04	3.74E-04	1.27E-07	3.83E-07	2.22E-07	2.27E-07	2.05E-07	9.18E-08	9.36E-08	4.24E-09	1.02E-07	2.26E-08	3.08E-08	4.88E-08	8.43E-09	6.17E-09	2.23E-07
5197	494863.09	3864877.25	3.81E-04	3.89E-04	3.88E-04	1.32E-07	3.98E-07	2.31E-07	2.35E-07	2.13E-07	9.54E-08	9.72E-08	4.40E-09	1.06E-07	2.35E-08	3.19E-08	5.07E-08	8.75E-09	6.41E-09	2.32E-07
5198	495363.09	3864877.25	3.98E-04	4.06E-04	4.05E-04	1.38E-07	4.15E-07	2.41E-07	2.45E-07	2.22E-07	9.95E-08	1.01E-07	4.59E-09	1.11E-07	2.45E-08	3.33E-08	5.29E-08	9.13E-09	6.69E-09	2.42E-07
5199	495863.09	3864877.25	3.99E-04	4.07E-04	4.07E-04	1.38E-07	4.17E-07	2.42E-07	2.47E-07	2.23E-07	9.99E-08	1.02E-07	4.62E-09	1.11E-07	2.46E-08	3.35E-08	5.31E-08	9.17E-09	6.72E-09	2.43E-07
5200	496363.09	3864877.25	3.98E-04	4.07E-04	4.06E-04	1.38E-07	4.16E-07	2.41E-07	2.46E-07	2.23E-07	9.97E-08	1.02E-07	4.61E-09	1.11E-07	2.45E-08	3.34E-08	5.30E-08	9.15E-09	6.70E-09	2.43E-07
5201	496863.09	3864877.25	3.82E-04	3.90E-04	3.90E-04	1.32E-07	3.99E-07	2.31E-07	2.36E-07	2.14E-07	9.56E-08	9.75E-08	4.42E-09	1.07E-07	2.35E-08	3.20E-08	5.08E-08	8.78E-09	6.43E-09	2.33E-07
5202	497363.09	3864877.25	3.68E-04	3.75E-04	3.75E-04	1.27E-07	3.84E-07	2.23E-07	2.27E-07	2.06E-07	9.20E-08	9.38E-08	4.25E-09	1.03E-07	2.27E-08	3.08E-08	4.89E-08	8.45E-09	6.19E-09	2.24E-07
5203	497863.09	3864877.25	3.62E-04	3.69E-04	3.69E-04	1.25E-07	3.78E-07	2.19E-07	2.23E-07	2.03E-07	9.06E-08	9.23E-08	4.18E-09	1.01E-07	2.23E-08	3.03E-08	4.81E-08	8.31E-09	6.09E-09	2.20E-07
5204	498363.09	3864877.25	3.58E-04	3.66E-04	3.65E-04	1.24E-07	3.75E-07	2.17E-07	2.21E-07	2.01E-07	8.97E-08	9.14E-08	4.14E-09	1.00E-07	2.21E-08	3.00E-08	4.76E-08	8.23E-09	6.03E-09	2.18E-07
5205	471363.09	3865377.25	1.87E-04	1.91E-04	1.90E-04	6.47E-08	1.95E-07	1.13E-07	1.15E-07	1.05E-07	4.68E-08	4.77E-08	2.16E-09	5.22E-08	1.15E-08	1.57E-08	2.48E-08	4.29E-09	3.14E-09	1.14E-07
5206	471863.09	3865377.25	1.91E-04	1.95E-04	1.95E-04	6.62E-08	2.00E-07	1.16E-07	1.18E-07	1.07E-07	4.79E-08	4.88E-08	2.21E-09	5.34E-08	1.18E-08	1.60E-08	2.54E-08	4.39E-09	3.22E-09	1.16E-07
5207	472363.09	3865377.25	1.95E-04	1.99E-04	1.99E-04	6.76E-08	2.04E-07	1.18E-07	1.21E-07	1.09E-07	4.89E-08	4.98E-08	2.26E-09	5.45E-08	1.20E-08	1.64E-08	2.60E-08	4.49E-09	3.29E-09	1.19E-07
5208	472863.09	3865377.25	2.00E-04	2.04E-04	2.04E-04	6.92E-08	2.09E-07	1.21E-07	1.23E-07	1.12E-07	5.00E-08	5.10E-08	2.31E-09	5.58E-08	1.23E-08	1.67E-08	2.66E-08	4.59E-09	3.36E-09	1.22E-07
5209	473363.09	3865377.25	2.03E-04	2.07E-04	2.07E-04	7.03E-08	2.12E-07	1.23E-07	1.25E-07	1.14E-07	5.08E-08	5.18E-08	2.35E-09	5.67E-08	1.25E-08	1.70E-08	2.70E-08	4.66E-09	3.42E-09	1.24E-07
5210	473863.09	3865377.25	2.07E-04	2.11E-04	2.11E-04	7.15E-08	2.16E-07	1.25E-07	1.28E-07	1.16E-07	5.17E-08	5.27E-08	2.39E-09	5.77E-08	1.27E-08	1.73E-08	2.75E-08	4.74E-09	3.48E-09	1.26E-07
5211	474363.09	3865377.25	2.10E-04	2.14E-04	2.14E-04	7.27E-08	2.20E-07	1.27E-07	1.30E-07	1.18E-07	5.26E-08	5.36E-08	2.43E-09	5.87E-08	1.29E-08	1.76E-08	2.79E-08	4.83E-09	3.53E-09	1.28E-07
5212	474863.09	3865377.25	2.14E-04	2.18E-04	2.18E-04	7.41E-08	2.24E-07	1.29E-07	1.32E-07	1.20E-07	5.35E-08	5.46E-08	2.47E-09	5.97E-08	1.32E-08	1.79E-08	2.84E-08	4.91E-09	3.60E-09	1.30E-07
5213	475363.09	3865377.25	2.17E-04	2.22E-04	2.21E-04	7.52E-08	2.27E-07	1.31E-07	1.34E-07	1.22E-07	5.44E-08	5.54E-08	2.51E-09	6.06E-08	1.34E-08	1.82E-08	2.89E-08	4.99E-09	3.65E-09	1.32E-07
5214	475863.09	3865377.25	2.21E-04	2.25E-04	2.25E-04	7.64E-08	2.31E-07	1.34E-07	1.36E-07	1.24E-07	5.52E-08	5.63E-08	2.55E-09	6.16E-08	1.36E-08	1.85E-08	2.93E-08	5.07E-09	3.71E-09	1.34E-07
5215	476363.09	3865377.25	2.26E-04	2.31E-04	2.31E-04	7.83E-08	2.37E-07	1.37E-07	1.40E-07	1.27E-07	5.66E-08	5.77E-08	2.62E-09	6.32E-08	1.39E-08	1.90E-08	3.01E-08	5.20E-09	3.81E-09	1.38E-07
5216	476863.09	3865377.25	2.26E-04	2.31E-04	2.30E-04	7.82E-08	2.36E-07	1.37E-07	1.40E-07	1.26E-07	5.66E-08	5.77E-08	2.61E-09	6.31E-08	1.39E-08	1.89E-08	3.01E-08	5.19E-09	3.80E-09	1.38E-07
5217	477363.09	3865377.25	2.33E-04	2.38E-04	2.38E-04	8.08E-08	2.44E-07	1.41E-07	1.44E-07	1.31E-07	5.84E-08	5.95E-08	2.70E-09	6.52E-08	1.44E-08	1.96E-08	3.10E-08	5.36E-09	3.93E-09	1.42E-07
5218	477863.09	3865377.25	2.36E-04	2.41E-04	2.40E-04	8.16E-08	2.46E-07	1.43E-07	1.46E-07	1.32E-07	5.90E-08	6.01E-08	2.72E-09	6.58E-08	1.45E-08	1.98E-08	3.13E-08	5.41E-09	3.97E-09	1.44E-07
5219	478363.09	3865377.25	2.40E-04	2.44E-04	2.44E-04	8.29E-08	2.50E-07	1.45E-07	1.48E-07	1.34E-07	6.00E-08	6.11E-08	2.77E-09	6.69E-08	1.48E-08	2.01E-08	3.19E-08	5.50E-09	4.03E-09	1.46E-07
5220	478863.09	3865377.25	2.43E-04	2.47E-04	2.47E-04	8.39E-08	2.53E-07	1.47E-07	1.50E-07	1.36E-07	6.07E-08	6.19E-08	2.80E-09	6.77E-08	1.49E-08	2.03E-08	3.22E-08	5.57E-09	4.08E-09	1.48E-07
5221	479363.09	3865377.25	2.45E-04	2.50E-04	2.50E-04	8.50E-08	2.57E-07	1.49E-07	1.52E-07	1.37E-07	6.14E-08	6.26E-08	2.84E-09	6.85E-08	1.51E-08	2.06E-08	3.26E-08	5.64E-09	4.13E-09	1.49E-07
5222	479863.09	3865377.25	2.48E-04	2.53E-04	2.53E-04	8.60E-08	2.60E-07	1.50E-07	1.53E-07	1.39E-07	6.22E-08	6.34E-08	2.87E-09	6.94E-08	1.53E-08	2.08E-08	3.30E-08	5.71E-09	4.18E-09	1.51E-07
5223	480363.09	3865377.25	2.50E-04	2.55E-04	2.55E-04	8.66E-08	2.61E-07	1.51E-07	1.54E-07	1.40E-07	6.26E-08	6.38E-08	2.89E-09	6.99E-08	1.54E-08	2.10E-08	3.33E-08	5.75E-09	4.21E-09	1.52E-07
5224	480863.09	3865377.25	2.53E-04	2.58E-04	2.57E-04	8.74E-08	2.64E-07	1.53E-07	1.56E-07	1.41E-07	6.32E-08	6.44E-08	2.92E-09	7.05E-08	1.56E-08	2.12E-08	3.36E-08	5.80E-09	4.25E-09	1.54E-07
5225	481363.09	3865377.25	2.56E-04	2.61E-04	2.61E-04	8.85E-08	2.67E-07	1.55E-07	1.58E-07	1.43E-07	6.40E-08	6.52E-08	2.96E-09	7.14E-08	1.58E-08	2.14E-08	3.40E-08	5.87E-09	4.30E-09	1.56E-07
5226	481863.09	3865377.25	2.58E-04	2.63E-04	2.63E-04	8.93E-08	2.69E-07	1.56E-07	1.59E-07	1.44E-07	6.45E-08	6.58E-08	2.98E-09	7.20E-08	1.59E-08	2.16E-08	3.43E-08	5.92E-09	4.34E-09	1.57E-07
5227	482363.09	3865377.25	2.60E-04	2.65E-04	2.65E-04	8.99E-08	2.71E-07	1.57E-07	1.60E-07	1.45E-07	6.50E-08	6.62E-08	3.00E-09	7.25E-08	1.60E-08	2.18E-08	3.45E-08	5.96E-09	4.37E-09	1.58E-07
5228	482863.09	3865377.25	2.62E-04	2.67E-04	2.67E-04	9.06E-08	2.73E-07	1.58E-07	1.62E-07	1.46E-07	6.55E-08	6.67E-08	3.02E-09	7.31E-08	1.61E-08	2.19E-08	3.48E-08	6.01E-09	4.40E-09	1.59E-07
5229	483363.09	3865377.25	2.67E-04	2.72E-04	2.72E-04	9.23E-08	2.79E-07	1.61E-07	1.65E-07	1.49E-07	6.67E-08	6.80E-08	3.08E-09	7.45E-08	1.64E-08	2.24E-08	3.55E-08	6.12E-09	4.49E-09	1.62E-07
5230	483863.09	3865377.25	2.74E-04	2.80E-04	2.80E-04	9.50E-08	2.87E-07	1.66E-07	1.69E-07	1.54E-07	6.87E-08	7.00E-08	3.17E-09	7.66E-08	1.69E-08	2.30E-08	3.65E-08	6.30E-09	4.62E-09	1.67E-07
5231	484363.09	3865377.25	2.84E-04	2.90E-04	2.90E-04	9.83E-08	2.97E-07	1.72E-07	1.75E-07	1.59E-07	7.11E-08	7.25E-08	3.28E-09	7.93E-08	1.75E-08	2.38E-08	3.78E-08	6.52E-09	4.78E-09	1.73E-07
5232	484863.09	3865377.25	2.95E-04	3.01E-04	3.01E-04	1.02E-07	3.09E-07	1.79E-07	1.82E-07	1.65E-07	7.39E-08	7.53E-08	3.41E-09	8.24E-08	1.82E-08	2.48E-08	3.93E-08	6.78E-09	4.97E-09	1.80E-07
5233	485363.09	3865377.25	3.07E-04	3.13E-04	3.13E-04	1.06E-07	3.21E-07	1.86E-07	1.89E-07	1.72E-07	7.68E-08	7.82E-08	3.55E-09	8.56E-08	1.89E-08	2.57E-08	4.08E-08	7.05E-09	5.16E-09	1.87E-07
5234	485863.09	3865377.25	3.16E-04	3.23E-04	3.23E-04	1.10E-07	3.31E-07	1.91E-07	1.95E-07	1.77E-07	7.92E-08	8.07E-08	3.66E-09	8.84E-08	1.95E-08	2.65E-08	4.21E-08	7.27E-09	5.32E-09	1.93E-07
5235	486363.09	3865377.25	3.25E-04	3.31E-04	3.31E-04	1.12E-07	3.39E-07	1.96E-07	2.00E-07	1.82E-07	8.13E-08	8.28E-08	3.75E-09	9.07E-08	2.00E-08	2.72E-08	4.32E-08	7.46E-09	5.46E-09	1.98E-07
5236	486863.09	3865377.25	3.33E-04	3.39E-04	3.39E-04	1.15E-07	3.48E-07	2.01E-07	2.05E-07	1.86E-07	8.33E-08	8.49E-08	3.85E-09	9.29E-08	2.05E-08	2.79E-08	4.42E-08	7.64E-09	5.60E-09	2.03E-07
5237	487363.09	3865377.25	3.42E-04	3.49E-04	3.49E-04	1.19E-07	3.58E-07	2.07E-07	2.11E-07	1.92E-07	8.57E-08	8.73E-08	3.96E-09	9.56E-08	2.11E-08	2.87E-08	4.55E-08	7.86E-09	5.76E-09	2.09E-07

5238	487863.09	3865377.25	3.50E-04	3.57E-04	3.56E-04	1.21E-07	3.66E-07	2.12E-07	2.16E-07	1.96E-07	8.75E-08	8.92E-08	4.04E-09	9.77E-08	2.16E-08	2.93E-08	4.65E-08	8.03E-09	5.88E-09	2.13E-07
5239	488363.09	3865377.25	3.56E-04	3.63E-04	3.63E-04	1.23E-07	3.72E-07	2.15E-07	2.20E-07	1.99E-07	8.91E-08	9.08E-08	4.11E-09	9.94E-08	2.19E-08	2.98E-08	4.73E-08	8.18E-09	5.99E-09	2.17E-07
5240	488863.09	3865377.25	3.61E-04	3.68E-04	3.68E-04	1.25E-07	3.77E-07	2.18E-07	2.23E-07	2.02E-07	9.03E-08	9.20E-08	4.17E-09	1.01E-07	2.22E-08	3.02E-08	4.80E-08	8.28E-09	6.07E-09	2.20E-07
5241	489363.09	3865377.25	3.61E-04	3.69E-04	3.68E-04	1.25E-07	3.78E-07	2.19E-07	2.23E-07	2.02E-07	9.04E-08	9.22E-08	4.18E-09	1.01E-07	2.23E-08	3.03E-08	4.80E-08	8.30E-09	6.08E-09	2.20E-07
5242	489863.09	3865377.25	3.61E-04	3.69E-04	3.68E-04	1.25E-07	3.78E-07	2.19E-07	2.23E-07	2.02E-07	9.04E-08	9.22E-08	4.18E-09	1.01E-07	2.23E-08	3.03E-08	4.80E-08	8.30E-09	6.08E-09	2.20E-07
5243	490363.09	3865377.25	3.50E-04	3.58E-04	3.57E-04	1.21E-07	3.66E-07	2.12E-07	2.16E-07	1.96E-07	8.77E-08	8.94E-08	4.05E-09	9.78E-08	2.16E-08	2.94E-08	4.66E-08	8.05E-09	5.89E-09	2.13E-07
5244	490863.09	3865377.25	3.34E-04	3.41E-04	3.41E-04	1.16E-07	3.49E-07	2.02E-07	2.06E-07	1.87E-07	8.36E-08	8.52E-08	3.86E-09	9.33E-08	2.06E-08	2.80E-08	4.44E-08	7.67E-09	5.62E-09	2.03E-07
5245	491363.09	3865377.25	3.24E-04	3.30E-04	3.30E-04	1.12E-07	3.38E-07	1.96E-07	2.00E-07	1.81E-07	8.10E-08	8.26E-08	3.74E-09	9.04E-08	2.00E-08	2.71E-08	4.31E-08	7.44E-09	5.45E-09	1.97E-07
5246	491863.09	3865377.25	3.21E-04	3.28E-04	3.27E-04	1.11E-07	3.36E-07	1.94E-07	1.98E-07	1.80E-07	8.04E-08	8.19E-08	3.71E-09	8.97E-08	1.98E-08	2.69E-08	4.27E-08	7.38E-09	5.40E-09	1.96E-07
5247	492363.09	3865377.25	2.56E-04	2.61E-04	2.61E-04	8.85E-08	2.67E-07	1.55E-07	1.58E-07	1.43E-07	6.40E-08	6.52E-08	2.96E-09	7.14E-08	1.58E-08	2.14E-08	3.40E-08	5.87E-09	4.30E-09	1.56E-07
5248	492863.09	3865377.25	1.99E-04	2.03E-04	2.03E-04	6.89E-08	2.08E-07	1.20E-07	1.23E-07	1.11E-07	4.98E-08	5.07E-08	2.30E-09	5.55E-08	1.23E-08	1.67E-08	2.65E-08	4.57E-09	3.35E-09	1.21E-07
5249	493363.09	3865377.25	1.67E-04	1.70E-04	1.70E-04	5.78E-08	1.75E-07	1.01E-07	1.03E-07	9.35E-08	4.18E-08	4.26E-08	1.93E-09	4.67E-08	1.03E-08	1.40E-08	2.22E-08	3.84E-09	2.81E-09	1.02E-07
5250	493863.09	3865377.25	2.26E-04	2.30E-04	2.30E-04	7.81E-08	2.36E-07	1.37E-07	1.39E-07	1.26E-07	5.65E-08	5.76E-08	2.61E-09	6.30E-08	1.39E-08	1.89E-08	3.00E-08	5.18E-09	3.80E-09	1.37E-07
5251	494363.09	3865377.25	2.96E-04	3.02E-04	3.02E-04	1.02E-07	3.09E-07	1.79E-07	1.83E-07	1.66E-07	7.40E-08	7.55E-08	3.42E-09	8.26E-08	1.82E-08	2.48E-08	3.93E-08	6.79E-09	4.98E-09	1.80E-07
5252	494863.09	3865377.25	3.26E-04	3.32E-04	3.32E-04	1.13E-07	3.40E-07	1.97E-07	2.01E-07	1.82E-07	8.15E-08	8.31E-08	3.76E-09	9.09E-08	2.01E-08	2.73E-08	4.33E-08	7.48E-09	5.48E-09	1.98E-07
5253	495363.09	3865377.25	3.40E-04	3.47E-04	3.46E-04	1.18E-07	3.55E-07	2.06E-07	2.10E-07	1.90E-07	8.50E-08	8.67E-08	3.93E-09	9.49E-08	2.09E-08	2.85E-08	4.52E-08	7.80E-09	5.72E-09	2.07E-07
5254	495863.09	3865377.25	3.55E-04	3.62E-04	3.62E-04	1.23E-07	3.71E-07	2.15E-07	2.19E-07	1.99E-07	8.89E-08	9.06E-08	4.10E-09	9.91E-08	2.19E-08	2.98E-08	4.72E-08	8.16E-09	5.97E-09	2.16E-07
5255	496363.09	3865377.25	3.53E-04	3.60E-04	3.59E-04	1.22E-07	3.69E-07	2.13E-07	2.18E-07	1.97E-07	8.83E-08	9.00E-08	4.08E-09	9.85E-08	2.17E-08	2.96E-08	4.69E-08	8.10E-09	5.93E-09	2.15E-07
5256	496863.09	3865377.25	3.52E-04	3.59E-04	3.58E-04	1.22E-07	3.67E-07	2.13E-07	2.17E-07	1.97E-07	8.80E-08	8.97E-08	4.06E-09	9.82E-08	2.17E-08	2.95E-08	4.67E-08	8.07E-09	5.91E-09	2.14E-07
5257	497363.09	3865377.25	3.42E-04	3.49E-04	3.49E-04	1.18E-07	3.58E-07	2.07E-07	2.11E-07	1.91E-07	8.56E-08	8.73E-08	3.95E-09	9.55E-08	2.11E-08	2.87E-08	4.55E-08	7.86E-09	5.76E-09	2.08E-07
5258	497863.09	3865377.25	3.29E-04	3.36E-04	3.35E-04	1.14E-07	3.44E-07	1.99E-07	2.03E-07	1.84E-07	8.23E-08	8.39E-08	3.80E-09	9.18E-08	2.03E-08	2.76E-08	4.37E-08	7.55E-09	5.53E-09	2.00E-07
5259	498363.09	3865377.25	3.23E-04	3.30E-04	3.29E-04	1.12E-07	3.38E-07	1.96E-07	2.00E-07	1.81E-07	8.09E-08	8.25E-08	3.74E-09	9.03E-08	1.99E-08	2.71E-08	4.30E-08	7.42E-09	5.44E-09	1.97E-07
5260	471363.09	3865877.25	1.81E-04	1.85E-04	1.85E-04	6.27E-08	1.89E-07	1.10E-07	1.12E-07	1.01E-07	4.54E-08	4.62E-08	2.09E-09	5.06E-08	1.12E-08	1.52E-08	2.41E-08	4.16E-09	3.05E-09	1.10E-07
5261	471863.09	3865877.25	1.85E-04	1.89E-04	1.89E-04	6.41E-08	1.93E-07	1.12E-07	1.14E-07	1.04E-07	4.63E-08	4.72E-08	2.14E-09	5.17E-08	1.14E-08	1.55E-08	2.46E-08	4.25E-09	3.11E-09	1.13E-07
5262	472363.09	3865877.25	1.89E-04	1.93E-04	1.93E-04	6.55E-08	1.98E-07	1.14E-07	1.17E-07	1.06E-07	4.73E-08	4.83E-08	2.19E-09	5.28E-08	1.17E-08	1.59E-08	2.52E-08	4.34E-09	3.18E-09	1.15E-07
5263	472863.09	3865877.25	1.92E-04	1.96E-04	1.96E-04	6.65E-08	2.01E-07	1.16E-07	1.19E-07	1.08E-07	4.81E-08	4.90E-08	2.22E-09	5.36E-08	1.18E-08	1.61E-08	2.55E-08	4.41E-09	3.23E-09	1.17E-07
5264	473363.09	3865877.25	1.95E-04	1.99E-04	1.99E-04	6.75E-08	2.04E-07	1.18E-07	1.20E-07	1.09E-07	4.88E-08	4.98E-08	2.25E-09	5.45E-08	1.20E-08	1.64E-08	2.59E-08	4.48E-09	3.28E-09	1.19E-07
5265	473863.09	3865877.25	1.99E-04	2.03E-04	2.03E-04	6.89E-08	2.08E-07	1.20E-07	1.23E-07	1.11E-07	4.98E-08	5.07E-08	2.30E-09	5.55E-08	1.23E-08	1.67E-08	2.65E-08	4.57E-09	3.35E-09	1.21E-07
5266	474363.09	3865877.25	2.02E-04	2.07E-04	2.06E-04	7.01E-08	2.12E-07	1.22E-07	1.25E-07	1.13E-07	5.07E-08	5.16E-08	2.34E-09	5.65E-08	1.25E-08	1.70E-08	2.69E-08	4.65E-09	3.41E-09	1.23E-07
5267	474863.09	3865877.25	2.06E-04	2.10E-04	2.10E-04	7.14E-08	2.16E-07	1.25E-07	1.27E-07	1.15E-07	5.16E-08	5.26E-08	2.38E-09	5.76E-08	1.27E-08	1.73E-08	2.74E-08	4.74E-09	3.47E-09	1.26E-07
5268	475363.09	3865877.25	2.09E-04	2.13E-04	2.13E-04	7.24E-08	2.19E-07	1.27E-07	1.29E-07	1.17E-07	5.24E-08	5.34E-08	2.42E-09	5.84E-08	1.29E-08	1.75E-08	2.78E-08	4.81E-09	3.52E-09	1.27E-07
5269	475863.09	3865877.25	2.13E-04	2.17E-04	2.17E-04	7.36E-08	2.22E-07	1.29E-07	1.31E-07	1.19E-07	5.32E-08	5.43E-08	2.46E-09	5.94E-08	1.31E-08	1.78E-08	2.83E-08	4.89E-09	3.58E-09	1.30E-07
5270	476363.09	3865877.25	2.17E-04	2.22E-04	2.22E-04	7.53E-08	2.27E-07	1.32E-07	1.34E-07	1.22E-07	5.44E-08	5.55E-08	2.51E-09	6.07E-08	1.34E-08	1.82E-08	2.89E-08	4.99E-09	3.66E-09	1.32E-07
5271	476863.09	3865877.25	2.15E-04	2.19E-04	2.19E-04	7.44E-08	2.25E-07	1.30E-07	1.33E-07	1.20E-07	5.38E-08	5.48E-08	2.48E-09	6.00E-08	1.32E-08	1.80E-08	2.86E-08	4.93E-09	3.61E-09	1.31E-07
5272	477363.09	3865877.25	2.22E-04	2.27E-04	2.26E-04	7.69E-08	2.32E-07	1.34E-07	1.37E-07	1.24E-07	5.56E-08	5.67E-08	2.57E-09	6.20E-08	1.37E-08	1.86E-08	2.95E-08	5.10E-09	3.74E-09	1.35E-07
5273	477863.09	3865877.25	2.24E-04	2.28E-04	2.28E-04	7.74E-08	2.34E-07	1.35E-07	1.38E-07	1.25E-07	5.60E-08	5.70E-08	2.59E-09	6.24E-08	1.38E-08	1.87E-08	2.97E-08	5.14E-09	3.76E-09	1.36E-07
5274	478363.09	3865877.25	2.26E-04	2.31E-04	2.30E-04	7.82E-08	2.36E-07	1.37E-07	1.40E-07	1.26E-07	5.66E-08	5.77E-08	2.61E-09	6.31E-08	1.39E-08	1.89E-08	3.01E-08	5.19E-09	3.80E-09	1.38E-07
5275	478863.09	3865877.25	2.29E-04	2.33E-04	2.33E-04	7.92E-08	2.39E-07	1.38E-07	1.41E-07	1.28E-07	5.72E-08	5.83E-08	2.64E-09	6.38E-08	1.41E-08	1.92E-08	3.04E-08	5.25E-09	3.85E-09	1.39E-07
5276	479363.09	3865877.25	2.31E-04	2.36E-04	2.36E-04	8.01E-08	2.42E-07	1.40E-07	1.43E-07	1.29E-07	5.79E-08	5.90E-08	2.67E-09	6.46E-08	1.43E-08	1.94E-08	3.08E-08	5.31E-09	3.89E-09	1.41E-07
5277	479863.09	3865877.25	2.33E-04	2.38E-04	2.37E-04	8.06E-08	2.43E-07	1.41E-07	1.44E-07	1.30E-07	5.83E-08	5.94E-08	2.69E-09	6.50E-08	1.43E-08	1.95E-08	3.10E-08	5.35E-09	3.92E-09	1.42E-07
5278	480363.09	3865877.25	2.34E-04	2.39E-04	2.39E-04	8.11E-08	2.45E-07	1.42E-07	1.45E-07	1.31E-07	5.86E-08	5.98E-08	2.71E-09	6.54E-08	1.44E-08	1.96E-08	3.12E-08	5.38E-09	3.94E-09	1.43E-07
5279	480863.09	3865877.25	2.36E-04	2.41E-04	2.41E-04	8.18E-08	2.47E-07	1.43E-07	1.46E-07	1.32E-07	5.91E-08	6.03E-08	2.73E-09	6.60E-08	1.46E-08	1.98E-08	3.14E-08	5.43E-09	3.98E-09	1.44E-07
5280	481363.09	3865877.25	2.37E-04	2.42E-04	2.42E-04	8.22E-08	2.48E-07	1.44E-07	1.47E-07	1.33E-07	5.94E-08	6.06E-08	2.75E-09	6.63E-08	1.46E-08	1.99E-08	3.16E-08	5.45E-09	4.00E-09	1.45E-07
5281	481863.09	3865877.25	2.39E-04	2.44E-04	2.43E-04	8.26E-08	2.49E-07	1.44E-07	1.47E-07	1.34E-07	5.97E-08	6.09E-08	2.76E-09	6.66E-08	1.47E-08	2.00E-08	3.17E-08	5.48E-09	4.02E-09	1.45E-07
5282	482363.09	3865877.25	2.41E-04	2.46E-04	2.45E-04	8.33E-08	2.52E-07	1.46E-07	1.49E-07	1.35E-07	6.03E-08	6.14E-08	2.78E-09	6.72E-08	1.48E-08	2.02E-08	3.20E-08	5.53E-09	4.05E-09	1.47E-07
5283	482863.09	3865877.25	2.44E-04	2.49E-04	2.49E-04	8.46E-08	2.55E-07	1.48E-07	1.51E-07	1.37E-07	6.11E-08	6.23E-08	2.82E-09	6.82E-08	1.51E-08	2.05E-08	3.25E-08	5.61E-09	4.11E-09	1.49E-07
5284	483363.09	3865877.25	2.50E-04	2.55E-04	2.55E-04	8.66E-08	2.61E-07	1.51E-07	1.54E-07	1.40E-07	6.26E-08	6.38E-08	2.89E-09	6.99E-08	1.54E-08	2.10E-08	3.33E-08	5.75E-09	4.21E-09	1.52E-07
5285	483863.09	3865877.25	2.58E-04	2.63E-04	2.63E-04	8.93E-08	2.69E-07	1.56E-07	1.59E-07	1.44E-07	6.45E-08	6.58E-08	2.98E-09	7.20E-08	1.59E-08	2.16E-08	3.43E-08	5.92E-09	4.34E-09	1.57E-07
5286	484363.09	3865877.25	2.67E-04	2.72E-04	2.72E-04	9.24E-08	2.79E-07	1.62E-07	1.65E-07	1.49E-07	6.68E-08	6.81E-08	3.09E-09	7.45E-08	1.64E-08	2.24E-08	3.55E-08	6.13E-09	4.49E-09	1.63E-07
5287	484863.09	3865877.25	2.76E-04	2.82E-04	2.81E-04	9.56E-08	2.89E-07	1.67E-07	1.70E-07	1.55E-07	6.91E-08	7.04E-08	3.19E-09	7.71E-08	1.70E-08	2.31E-08	3.67E-08	6.34E-09	4.65E-09	1.68E-07
5288	485363.09	3865877.25	2.85E-04	2.91E-04	2.91E-04	9.87E-08	2.98E-07	1.73E-07	1.76E-07	1.60E-07	7.14E-08	7.28E-08	3.30E-09	7.96E-08	1.76E-08	2.39E-08	3.79E-08	6.55E-09	4.80E-09	1.74E-07
5289	485863.09	3865877.25	2.93E-04	2.99E-04	2.99E-04	1.02E-07	3.07E-07	1.78E-07	1.81E-07	1.64E-07	7.35E-08	7.49E-08	3.39E-09	8.19E-08	1.81E-08	2.46E-08	3.90E-08	6.74E-09	4.94E-09	1.79E-07
5290	486363.09	3865877.25	3.00E-04	3.06E-04	3.06E-04	1.04E-07	3.14E-07	1.82E-07	1.85E-07	1.68E-07	7.51E-08	7.66E-08	3.47E-09	8.38E-08	1.85E-08	2.52E-08	3.99E-08	6.90E-09	5.05E-09	1.83E-07
5291	486863.09	3865877.25	3.06E-04	3.13E-04	3.12E-04	1.06E-07	3.20E-07	1.85E-07	1.89E-07	1.72E-07	7.67E-08	7.82E-08	3.54E-09	8.56E-08	1.89E-08	2.57E-08	4.08E-08	7.04E-09	5.16E-09	1.87E-07
5292	487363.09	3865877.25	3.13E-04	3.20E-04	3.19E-04	1.08E-07	3.27E-07	1.90E-07	1.93E-07	1.75E-07	7.84E-08	7.99E-08	3.62E-09	8.75E-08	1.93E-08	2.63E-08	4.17E-08	7.19E-09	5.27E-09	1.91E-07
5293	487863.09	3865877.25	3.19E-04	3.25E-04	3.25E-04	1.10E-07	3.33E-07	1.93E-07	1.97E-07	1.78E-07	7.98E-08	8.13E-08	3.69E-09	8.90E-08	1.96E-08	2.67E-08	4.24E-08	7.32E-09	5.36E-09	1.94E-07
5294	488363.09	3865877.25	3.23E-04	3.29E-04	3.29E-04	1.12E-07	3.37E-07	1.95E-07	1.99E-07	1.81E-07	8.08E-08	8.23E-08	3.73E-09	9.01E-08	1.99E-08	2.70E-08	4.29E-08	7.41E-09	5.43E-09	1.96E-07

5295	488863.09	3865877.25	3.26E-04	3.33E-04	3.32E-04	1.13E-07	3.41E-07	1.97E-07	2.01E-07	1.82E-07	8.16E-08	8.31E-08	3.77E-09	9.10E-08	2.01E-08	2.73E-08	4.33E-08	7.49E-09	5.48E-09	1.98E-07
5296	489363.09	3865877.25	3.27E-04	3.34E-04	3.33E-04	1.13E-07	3.42E-07	1.98E-07	2.02E-07	1.83E-07	8.19E-08	8.34E-08	3.78E-09	9.13E-08	2.02E-08	2.74E-08	4.35E-08	7.51E-09	5.50E-09	1.99E-07
5297	489863.09	3865877.25	3.28E-04	3.34E-04	3.34E-04	1.13E-07	3.42E-07	1.98E-07	2.02E-07	1.83E-07	8.20E-08	8.36E-08	3.79E-09	9.15E-08	2.02E-08	2.75E-08	4.36E-08	7.53E-09	5.51E-09	2.00E-07
5298	490363.09	3865877.25	3.27E-04	3.34E-04	3.34E-04	1.13E-07	3.42E-07	1.98E-07	2.02E-07	1.83E-07	8.19E-08	8.35E-08	3.78E-09	9.14E-08	2.02E-08	2.74E-08	4.35E-08	7.52E-09	5.51E-09	1.99E-07
5299	490863.09	3865877.25	3.10E-04	3.16E-04	3.16E-04	1.07E-07	3.24E-07	1.88E-07	1.91E-07	1.73E-07	7.76E-08	7.91E-08	3.58E-09	8.66E-08	1.91E-08	2.60E-08	4.12E-08	7.12E-09	5.22E-09	1.89E-07
5300	491363.09	3865877.25	2.88E-04	2.94E-04	2.93E-04	9.97E-08	3.01E-07	1.74E-07	1.78E-07	1.61E-07	7.21E-08	7.34E-08	3.33E-09	8.04E-08	1.77E-08	2.41E-08	3.83E-08	6.61E-09	4.84E-09	1.75E-07
5301	491863.09	3865877.25	2.79E-04	2.85E-04	2.85E-04	9.67E-08	2.92E-07	1.69E-07	1.72E-07	1.56E-07	6.99E-08	7.13E-08	3.23E-09	7.80E-08	1.72E-08	2.34E-08	3.71E-08	6.42E-09	4.70E-09	1.70E-07
5302	492363.09	3865877.25	2.64E-04	2.70E-04	2.69E-04	9.15E-08	2.76E-07	1.60E-07	1.63E-07	1.48E-07	6.62E-08	6.74E-08	3.06E-09	7.38E-08	1.63E-08	2.22E-08	3.51E-08	6.07E-09	4.45E-09	1.61E-07
5303	492863.09	3865877.25	2.00E-04	2.04E-04	2.04E-04	6.94E-08	2.09E-07	1.21E-07	1.24E-07	1.12E-07	5.01E-08	5.11E-08	2.32E-09	5.59E-08	1.23E-08	1.68E-08	2.66E-08	4.60E-09	3.37E-09	1.22E-07
5304	493363.09	3865877.25	1.96E-04	2.00E-04	1.99E-04	6.77E-08	2.05E-07	1.18E-07	1.21E-07	1.10E-07	4.90E-08	4.99E-08	2.26E-09	5.46E-08	1.21E-08	1.64E-08	2.60E-08	4.49E-09	3.29E-09	1.19E-07
5305	493863.09	3865877.25	2.23E-04	2.28E-04	2.27E-04	7.72E-08	2.33E-07	1.35E-07	1.38E-07	1.25E-07	5.58E-08	5.69E-08	2.58E-09	6.23E-08	1.37E-08	1.87E-08	2.97E-08	5.12E-09	3.75E-09	1.36E-07
5306	494363.09	3865877.25	2.58E-04	2.63E-04	2.63E-04	8.93E-08	2.69E-07	1.56E-07	1.59E-07	1.44E-07	6.45E-08	6.58E-08	2.98E-09	7.20E-08	1.59E-08	2.16E-08	3.43E-08	5.92E-09	4.34E-09	1.57E-07
5307	494863.09	3865877.25	3.01E-04	3.08E-04	3.07E-04	1.04E-07	3.15E-07	1.82E-07	1.86E-07	1.69E-07	7.54E-08	7.69E-08	3.48E-09	8.42E-08	1.86E-08	2.53E-08	4.01E-08	6.92E-09	5.07E-09	1.84E-07
5308	495363.09	3865877.25	3.04E-04	3.10E-04	3.10E-04	1.05E-07	3.18E-07	1.84E-07	1.88E-07	1.70E-07	7.60E-08	7.75E-08	3.51E-09	8.48E-08	1.87E-08	2.55E-08	4.04E-08	6.98E-09	5.11E-09	1.85E-07
5309	495863.09	3865877.25	3.06E-04	3.12E-04	3.12E-04	1.06E-07	3.20E-07	1.85E-07	1.89E-07	1.71E-07	7.66E-08	7.81E-08	3.54E-09	8.55E-08	1.89E-08	2.57E-08	4.07E-08	7.03E-09	5.15E-09	1.86E-07
5310	496363.09	3865877.25	3.07E-04	3.14E-04	3.13E-04	1.06E-07	3.21E-07	1.86E-07	1.90E-07	1.72E-07	7.69E-08	7.84E-08	3.55E-09	8.58E-08	1.89E-08	2.58E-08	4.09E-08	7.06E-09	5.17E-09	1.87E-07
5311	496863.09	3865877.25	3.04E-04	3.10E-04	3.10E-04	1.05E-07	3.18E-07	1.84E-07	1.88E-07	1.70E-07	7.60E-08	7.75E-08	3.51E-09	8.48E-08	1.87E-08	2.55E-08	4.04E-08	6.98E-09	5.11E-09	1.85E-07
5312	497363.09	3865877.25	3.14E-04	3.20E-04	3.20E-04	1.09E-07	3.28E-07	1.90E-07	1.94E-07	1.76E-07	7.85E-08	8.00E-08	3.63E-09	8.76E-08	1.93E-08	2.63E-08	4.17E-08	7.21E-09	5.28E-09	1.91E-07
5313	497863.09	3865877.25	3.06E-04	3.12E-04	3.11E-04	1.06E-07	3.19E-07	1.85E-07	1.89E-07	1.71E-07	7.65E-08	7.79E-08	3.53E-09	8.53E-08	1.88E-08	2.56E-08	4.06E-08	7.02E-09	5.14E-09	1.86E-07
5314	498363.09	3865877.25	2.85E-04	2.91E-04	2.91E-04	9.87E-08	2.98E-07	1.73E-07	1.76E-07	1.60E-07	7.14E-08	7.28E-08	3.30E-09	7.96E-08	1.76E-08	2.39E-08	3.79E-08	6.55E-09	4.80E-09	1.74E-07
5315	471363.09	3866377.25	1.75E-04	1.79E-04	1.79E-04	6.07E-08	1.83E-07	1.06E-07	1.08E-07	9.81E-08	4.39E-08	4.47E-08	2.03E-09	4.90E-08	1.08E-08	1.47E-08	2.33E-08	4.03E-09	2.95E-09	1.07E-07
5316	471863.09	3866377.25	1.79E-04	1.83E-04	1.82E-04	6.19E-08	1.87E-07	1.08E-07	1.10E-07	1.00E-07	4.48E-08	4.56E-08	2.07E-09	4.99E-08	1.10E-08	1.50E-08	2.38E-08	4.11E-09	3.01E-09	1.09E-07
5317	472363.09	3866377.25	1.82E-04	1.86E-04	1.86E-04	6.31E-08	1.91E-07	1.10E-07	1.13E-07	1.02E-07	4.56E-08	4.65E-08	2.11E-09	5.09E-08	1.12E-08	1.53E-08	2.43E-08	4.19E-09	3.07E-09	1.11E-07
5318	472863.09	3866377.25	1.85E-04	1.89E-04	1.88E-04	6.40E-08	1.93E-07	1.12E-07	1.14E-07	1.03E-07	4.62E-08	4.71E-08	2.14E-09	5.16E-08	1.14E-08	1.55E-08	2.46E-08	4.24E-09	3.11E-09	1.13E-07
5319	473363.09	3866377.25	1.88E-04	1.92E-04	1.92E-04	6.52E-08	1.97E-07	1.14E-07	1.16E-07	1.05E-07	4.71E-08	4.80E-08	2.18E-09	5.26E-08	1.16E-08	1.58E-08	2.50E-08	4.32E-09	3.17E-09	1.15E-07
5320	473863.09	3866377.25	1.92E-04	1.96E-04	1.96E-04	6.64E-08	2.00E-07	1.16E-07	1.18E-07	1.07E-07	4.80E-08	4.89E-08	2.22E-09	5.36E-08	1.18E-08	1.61E-08	2.55E-08	4.41E-09	3.23E-09	1.17E-07
5321	474363.09	3866377.25	1.95E-04	1.99E-04	1.99E-04	6.76E-08	2.04E-07	1.18E-07	1.21E-07	1.09E-07	4.89E-08	4.98E-08	2.26E-09	5.45E-08	1.20E-08	1.64E-08	2.60E-08	4.49E-09	3.29E-09	1.19E-07
5322	474863.09	3866377.25	1.99E-04	2.03E-04	2.02E-04	6.87E-08	2.08E-07	1.20E-07	1.23E-07	1.11E-07	4.97E-08	5.07E-08	2.30E-09	5.55E-08	1.22E-08	1.66E-08	2.64E-08	4.56E-09	3.34E-09	1.21E-07
5323	475363.09	3866377.25	2.01E-04	2.05E-04	2.05E-04	6.96E-08	2.10E-07	1.22E-07	1.24E-07	1.12E-07	5.03E-08	5.13E-08	2.32E-09	5.61E-08	1.24E-08	1.68E-08	2.67E-08	4.62E-09	3.38E-09	1.22E-07
5324	475863.09	3866377.25	2.03E-04	2.07E-04	2.07E-04	7.03E-08	2.12E-07	1.23E-07	1.25E-07	1.14E-07	5.08E-08	5.18E-08	2.35E-09	5.67E-08	1.25E-08	1.70E-08	2.70E-08	4.66E-09	3.42E-09	1.24E-07
5325	476363.09	3866377.25	2.07E-04	2.11E-04	2.11E-04	7.17E-08	2.17E-07	1.25E-07	1.28E-07	1.16E-07	5.18E-08	5.28E-08	2.39E-09	5.78E-08	1.28E-08	1.74E-08	2.75E-08	4.76E-09	3.49E-09	1.26E-07
5326	476863.09	3866377.25	2.01E-04	2.05E-04	2.05E-04	6.97E-08	2.10E-07	1.22E-07	1.24E-07	1.13E-07	5.04E-08	5.13E-08	2.33E-09	5.62E-08	1.24E-08	1.69E-08	2.68E-08	4.62E-09	3.39E-09	1.23E-07
5327	477363.09	3866377.25	2.09E-04	2.13E-04	2.13E-04	7.24E-08	2.19E-07	1.27E-07	1.29E-07	1.17E-07	5.24E-08	5.34E-08	2.42E-09	5.84E-08	1.29E-08	1.75E-08	2.78E-08	4.81E-09	3.52E-09	1.27E-07
5328	477863.09	3866377.25	2.12E-04	2.16E-04	2.16E-04	7.34E-08	2.22E-07	1.28E-07	1.31E-07	1.19E-07	5.31E-08	5.41E-08	2.45E-09	5.92E-08	1.31E-08	1.78E-08	2.82E-08	4.87E-09	3.57E-09	1.29E-07
5329	478363.09	3866377.25	2.14E-04	2.18E-04	2.18E-04	7.40E-08	2.23E-07	1.29E-07	1.32E-07	1.20E-07	5.35E-08	5.45E-08	2.47E-09	5.96E-08	1.32E-08	1.79E-08	2.84E-08	4.91E-09	3.59E-09	1.30E-07
5330	478863.09	3866377.25	2.16E-04	2.20E-04	2.20E-04	7.48E-08	2.26E-07	1.31E-07	1.33E-07	1.21E-07	5.41E-08	5.51E-08	2.50E-09	6.03E-08	1.33E-08	1.81E-08	2.87E-08	4.96E-09	3.63E-09	1.32E-07
5331	479363.09	3866377.25	2.18E-04	2.23E-04	2.22E-04	7.55E-08	2.28E-07	1.32E-07	1.35E-07	1.22E-07	5.46E-08	5.56E-08	2.52E-09	6.09E-08	1.34E-08	1.83E-08	2.90E-08	5.01E-09	3.67E-09	1.33E-07
5332	479863.09	3866377.25	2.20E-04	2.24E-04	2.24E-04	7.60E-08	2.29E-07	1.33E-07	1.36E-07	1.23E-07	5.49E-08	5.60E-08	2.54E-09	6.13E-08	1.35E-08	1.84E-08	2.92E-08	5.04E-09	3.69E-09	1.34E-07
5333	480363.09	3866377.25	2.21E-04	2.25E-04	2.25E-04	7.64E-08	2.31E-07	1.34E-07	1.36E-07	1.24E-07	5.52E-08	5.63E-08	2.55E-09	6.16E-08	1.36E-08	1.85E-08	2.93E-08	5.07E-09	3.71E-09	1.34E-07
5334	480863.09	3866377.25	2.21E-04	2.26E-04	2.26E-04	7.66E-08	2.31E-07	1.34E-07	1.37E-07	1.24E-07	5.54E-08	5.64E-08	2.56E-09	6.18E-08	1.36E-08	1.86E-08	2.94E-08	5.08E-09	3.72E-09	1.35E-07
5335	481363.09	3866377.25	2.22E-04	2.27E-04	2.27E-04	7.70E-08	2.33E-07	1.35E-07	1.37E-07	1.25E-07	5.57E-08	5.67E-08	2.57E-09	6.21E-08	1.37E-08	1.86E-08	2.96E-08	5.11E-09	3.74E-09	1.35E-07
5336	481863.09	3866377.25	2.24E-04	2.28E-04	2.28E-04	7.74E-08	2.34E-07	1.35E-07	1.38E-07	1.25E-07	5.60E-08	5.70E-08	2.59E-09	6.24E-08	1.38E-08	1.87E-08	2.97E-08	5.14E-09	3.76E-09	1.36E-07
5337	482363.09	3866377.25	2.27E-04	2.31E-04	2.31E-04	7.84E-08	2.37E-07	1.37E-07	1.40E-07	1.27E-07	5.67E-08	5.78E-08	2.62E-09	6.33E-08	1.40E-08	1.90E-08	3.01E-08	5.20E-09	3.81E-09	1.38E-07
5338	482863.09	3866377.25	2.31E-04	2.36E-04	2.36E-04	8.01E-08	2.42E-07	1.40E-07	1.43E-07	1.29E-07	5.79E-08	5.90E-08	2.67E-09	6.46E-08	1.43E-08	1.94E-08	3.08E-08	5.31E-09	3.89E-09	1.41E-07
5339	483363.09	3866377.25	2.36E-04	2.41E-04	2.41E-04	8.18E-08	2.47E-07	1.43E-07	1.46E-07	1.32E-07	5.91E-08	6.03E-08	2.73E-09	6.60E-08	1.46E-08	1.98E-08	3.14E-08	5.43E-09	3.98E-09	1.44E-07
5340	483863.09	3866377.25	2.43E-04	2.48E-04	2.47E-04	8.40E-08	2.54E-07	1.47E-07	1.50E-07	1.36E-07	6.08E-08	6.19E-08	2.81E-09	6.78E-08	1.50E-08	2.04E-08	3.23E-08	5.58E-09	4.09E-09	1.48E-07
5341	484363.09	3866377.25	2.50E-04	2.55E-04	2.55E-04	8.66E-08	2.61E-07	1.51E-07	1.54E-07	1.40E-07	6.26E-08	6.38E-08	2.89E-09	6.99E-08	1.54E-08	2.10E-08	3.33E-08	5.75E-09	4.21E-09	1.52E-07
5342	484863.09	3866377.25	2.59E-04	2.64E-04	2.64E-04	8.97E-08	2.71E-07	1.57E-07	1.60E-07	1.45E-07	6.48E-08	6.61E-08	2.99E-09	7.23E-08	1.60E-08	2.17E-08	3.44E-08	5.95E-09	4.36E-09	1.58E-07
5343	485363.09	3866377.25	2.66E-04	2.72E-04	2.71E-04	9.22E-08	2.78E-07	1.61E-07	1.64E-07	1.49E-07	6.67E-08	6.79E-08	3.08E-09	7.44E-08	1.64E-08	2.23E-08	3.54E-08	6.12E-09	4.48E-09	1.62E-07
5344	485863.09	3866377.25	2.73E-04	2.78E-04	2.78E-04	9.45E-08	2.85E-07	1.65E-07	1.68E-07	1.53E-07	6.83E-08	6.96E-08	3.15E-09	7.62E-08	1.68E-08	2.29E-08	3.63E-08	6.27E-09	4.59E-09	1.66E-07
5345	486363.09	3866377.25	2.78E-04	2.84E-04	2.84E-04	9.64E-08	2.91E-07	1.68E-07	1.72E-07	1.56E-07	6.97E-08	7.10E-08	3.22E-09	7.78E-08	1.72E-08	2.33E-08	3.70E-08	6.40E-09	4.69E-09	1.70E-07
5346	486863.09	3866377.25	2.84E-04	2.90E-04	2.89E-04	9.82E-08	2.97E-07	1.72E-07	1.75E-07	1.59E-07	7.10E-08	7.24E-08	3.28E-09	7.92E-08	1.75E-08	2.38E-08	3.77E-08	6.52E-09	4.77E-09	1.73E-07
5347	487363.09	3866377.25	2.92E-04	2.98E-04	2.98E-04	1.01E-07	3.06E-07	1.77E-07	1.80E-07	1.64E-07	7.32E-08	7.46E-08	3.38E-09	8.16E-08	1.80E-08	2.45E-08	3.89E-08	6.71E-09	4.92E-09	1.78E-07
5348	487863.09	3866377.25	2.97E-04	3.03E-04	3.03E-04	1.03E-07	3.10E-07	1.80E-07	1.83E-07	1.66E-07	7.43E-08	7.58E-08	3.43E-09	8.29E-08	1.83E-08	2.49E-08	3.95E-08	6.82E-09	5.00E-09	1.81E-07
5349	488363.09	3866377.25	3.00E-04	3.06E-04	3.05E-04	1.04E-07	3.13E-07	1.81E-07	1.85E-07	1.68E-07	7.50E-08	7.64E-08	3.46E-09	8.37E-08	1.85E-08	2.51E-08	3.99E-08	6.88E-09	5.04E-09	1.82E-07
5350	488863.09	3866377.25	2.97E-04	3.03E-04	3.03E-04	1.03E-07	3.10E-07	1.80E-07	1.83E-07	1.66E-07	7.43E-08	7.58E-08	3.43E-09	8.29E-08	1.83E-08	2.49E-08	3.95E-08	6.82E-09	5.00E-09	1.81E-07
5351	489363.09	3866377.25	2.91E-04	2.97E-04	2.97E-04	1.01E-07	3.05E-07	1.76E-07	1.80E-07	1.63E-07	7.29E-08	7.43E-08	3.37E-09	8.14E-08	1.80E-08	2.44E-08	3.88E-08	6.69E-09	4.90E-09	1.77E-07

5352	489863.09	3866377.25	2.80E-04	2.85E-04	2.85E-04	9.68E-08	2.92E-07	1.69E-07	1.73E-07	1.57E-07	7.00E-08	7.13E-08	3.23E-09	7.81E-08	1.72E-08	2.34E-08	3.72E-08	6.42E-09	4.70E-09	1.70E-07
5353	490363.09	3866377.25	2.97E-04	3.03E-04	3.02E-04	1.03E-07	3.10E-07	1.80E-07	1.83E-07	1.66E-07	7.43E-08	7.57E-08	3.43E-09	8.29E-08	1.83E-08	2.49E-08	3.95E-08	6.82E-09	4.99E-09	1.81E-07
5354	490863.09	3866377.25	2.94E-04	3.00E-04	2.99E-04	1.02E-07	3.07E-07	1.78E-07	1.81E-07	1.64E-07	7.35E-08	7.49E-08	3.40E-09	8.20E-08	1.81E-08	2.46E-08	3.91E-08	6.75E-09	4.94E-09	1.79E-07
5355	491363.09	3866377.25	2.88E-04	2.94E-04	2.93E-04	9.97E-08	3.01E-07	1.74E-07	1.78E-07	1.61E-07	7.21E-08	7.34E-08	3.33E-09	8.04E-08	1.77E-08	2.41E-08	3.83E-08	6.61E-09	4.84E-09	1.75E-07
5356	491863.09	3866377.25	2.43E-04	2.47E-04	2.47E-04	8.39E-08	2.53E-07	1.47E-07	1.50E-07	1.36E-07	6.07E-08	6.19E-08	2.80E-09	6.77E-08	1.49E-08	2.03E-08	3.22E-08	5.57E-09	4.08E-09	1.48E-07
5357	492363.09	3866377.25	2.46E-04	2.51E-04	2.51E-04	8.53E-08	2.57E-07	1.49E-07	1.52E-07	1.38E-07	6.17E-08	6.28E-08	2.85E-09	6.88E-08	1.52E-08	2.07E-08	3.28E-08	5.66E-09	4.14E-09	1.50E-07
5358	492863.09	3866377.25	2.17E-04	2.22E-04	2.22E-04	7.53E-08	2.27E-07	1.32E-07	1.34E-07	1.22E-07	5.44E-08	5.55E-08	2.51E-09	6.07E-08	1.34E-08	1.82E-08	2.89E-08	4.99E-09	3.66E-09	1.32E-07
5359	493363.09	3866377.25	2.27E-04	2.32E-04	2.32E-04	7.86E-08	2.37E-07	1.37E-07	1.40E-07	1.27E-07	5.69E-08	5.80E-08	2.63E-09	6.34E-08	1.40E-08	1.90E-08	3.02E-08	5.22E-09	3.82E-09	1.38E-07
5360	493863.09	3866377.25	2.41E-04	2.46E-04	2.46E-04	8.35E-08	2.52E-07	1.46E-07	1.49E-07	1.35E-07	6.04E-08	6.16E-08	2.79E-09	6.74E-08	1.49E-08	2.02E-08	3.21E-08	5.54E-09	4.06E-09	1.47E-07
5361	494363.09	3866377.25	2.62E-04	2.68E-04	2.67E-04	9.08E-08	2.74E-07	1.59E-07	1.62E-07	1.47E-07	6.56E-08	6.69E-08	3.03E-09	7.32E-08	1.62E-08	2.20E-08	3.49E-08	6.02E-09	4.41E-09	1.60E-07
5362	494863.09	3866377.25	2.61E-04	2.66E-04	2.66E-04	9.03E-08	2.73E-07	1.58E-07	1.61E-07	1.46E-07	6.53E-08	6.65E-08	3.01E-09	7.28E-08	1.61E-08	2.19E-08	3.47E-08	5.99E-09	4.39E-09	1.59E-07
5363	495363.09	3866377.25	2.59E-04	2.64E-04	2.64E-04	8.96E-08	2.70E-07	1.57E-07	1.60E-07	1.45E-07	6.47E-08	6.60E-08	2.99E-09	7.22E-08	1.59E-08	2.17E-08	3.44E-08	5.94E-09	4.35E-09	1.58E-07
5364	495863.09	3866377.25	2.56E-04	2.61E-04	2.61E-04	8.85E-08	2.67E-07	1.55E-07	1.58E-07	1.43E-07	6.40E-08	6.52E-08	2.96E-09	7.14E-08	1.58E-08	2.14E-08	3.40E-08	5.87E-09	4.30E-09	1.56E-07
5365	496363.09	3866377.25	2.60E-04	2.66E-04	2.65E-04	9.01E-08	2.72E-07	1.57E-07	1.61E-07	1.46E-07	6.51E-08	6.64E-08	3.01E-09	7.26E-08	1.60E-08	2.18E-08	3.46E-08	5.98E-09	4.38E-09	1.58E-07
5366	496863.09	3866377.25	2.57E-04	2.62E-04	2.62E-04	8.89E-08	2.69E-07	1.55E-07	1.59E-07	1.44E-07	6.43E-08	6.55E-08	2.97E-09	7.17E-08	1.58E-08	2.15E-08	3.42E-08	5.90E-09	4.32E-09	1.56E-07
5367	497363.09	3866377.25	2.63E-04	2.68E-04	2.68E-04	9.10E-08	2.75E-07	1.59E-07	1.62E-07	1.47E-07	6.58E-08	6.70E-08	3.04E-09	7.34E-08	1.62E-08	2.20E-08	3.50E-08	6.04E-09	4.42E-09	1.60E-07
5368	497863.09	3866377.25	2.74E-04	2.79E-04	2.79E-04	9.48E-08	2.86E-07	1.66E-07	1.69E-07	1.53E-07	6.85E-08	6.98E-08	3.16E-09	7.64E-08	1.69E-08	2.29E-08	3.64E-08	6.29E-09	4.61E-09	1.67E-07
5369	498363.09	3866377.25	2.39E-04	2.44E-04	2.44E-04	8.27E-08	2.50E-07	1.45E-07	1.48E-07	1.34E-07	5.98E-08	6.10E-08	2.76E-09	6.67E-08	1.47E-08	2.00E-08	3.18E-08	5.49E-09	4.02E-09	1.46E-07
5370	474494.92	3848334.16	8.93E-02	9.12E-02	9.10E-02	3.09E-05	9.34E-05	5.41E-05	5.52E-05	5.00E-05	2.24E-05	2.28E-05	1.03E-06	2.49E-05	5.50E-06	7.49E-06	1.19E-05	2.05E-06	1.50E-06	5.44E-05
5371	475167.27	3848920.79	9.91E-02	1.01E-01	1.01E-01	3.43E-05	1.04E-04	5.99E-05	6.12E-05	5.54E-05	2.48E-05	2.53E-05	1.14E-06	2.77E-05	6.10E-06	8.30E-06	1.32E-05	2.27E-06	1.67E-06	6.03E-05
5372	475297.89	3848997.96	1.02E-01	1.04E-01	1.04E-01	3.52E-05	1.06E-04	6.15E-05	6.28E-05	5.69E-05	2.54E-05	2.59E-05	1.17E-06	2.84E-05	6.26E-06	8.52E-06	1.35E-05	2.33E-06	1.71E-06	6.19E-05
5373	475439.05	3849062	1.01E-01	1.03E-01	1.03E-01	3.50E-05	1.06E-04	6.12E-05	6.24E-05	5.66E-05	2.53E-05	2.58E-05	1.17E-06	2.82E-05	6.23E-06	8.48E-06	1.34E-05	2.32E-06	1.70E-06	6.16E-05
5374	475486.86	3849061.09	7.90E-02	8.07E-02	8.06E-02	2.74E-05	8.26E-05	4.78E-05	4.88E-05	4.42E-05	1.98E-05	2.02E-05	9.14E-07	2.21E-05	4.87E-06	6.63E-06	1.05E-05	1.82E-06	1.33E-06	4.81E-05
5375	475538.46	3849075.56	7.82E-02	7.98E-02	7.97E-02	2.71E-05	8.17E-05	4.73E-05	4.83E-05	4.37E-05	1.96E-05	1.99E-05	9.03E-07	2.18E-05	4.82E-06	6.55E-06	1.04E-05	1.80E-06	1.31E-06	4.76E-05
5376	475751.79	3849137.15	1.05E-01	1.07E-01	1.07E-01	3.62E-05	1.09E-04	6.33E-05	6.46E-05	5.86E-05	2.62E-05	2.67E-05	1.21E-06	2.92E-05	6.45E-06	8.77E-06	1.39E-05	2.40E-06	1.76E-06	6.37E-05
5377	476303.62	3849223.38	1.19E-01	1.22E-01	1.22E-01	4.13E-05	1.25E-04	7.22E-05	7.37E-05	6.68E-05	2.99E-05	3.05E-05	1.38E-06	3.33E-05	7.36E-06	1.00E-05	1.59E-05	2.74E-06	2.01E-06	7.27E-05
5378	476304.51	3849238.92	1.14E-01	1.16E-01	1.16E-01	3.94E-05	1.19E-04	6.89E-05	7.03E-05	6.37E-05	2.85E-05	2.90E-05	1.32E-06	3.18E-05	7.02E-06	9.54E-06	1.51E-05	2.62E-06	1.92E-06	6.93E-05
5379	476365.04	3849247.98	1.11E-01	1.14E-01	1.14E-01	3.86E-05	1.16E-04	6.74E-05	6.88E-05	6.24E-05	2.79E-05	2.84E-05	1.29E-06	3.11E-05	6.86E-06	9.34E-06	1.48E-05	2.56E-06	1.87E-06	6.78E-05
5380	476444.86	3849267.13	1.15E-01	1.17E-01	1.17E-01	3.97E-05	1.20E-04	6.93E-05	7.07E-05	6.41E-05	2.87E-05	2.92E-05	1.32E-06	3.20E-05	7.06E-06	9.60E-06	1.52E-05	2.63E-06	1.93E-06	6.98E-05
5381	476550.75	3849300.66	1.22E-01	1.25E-01	1.25E-01	4.24E-05	1.28E-04	7.41E-05	7.56E-05	6.85E-05	3.06E-05	3.12E-05	1.41E-06	3.42E-05	7.54E-06	1.03E-05	1.63E-05	2.81E-06	2.06E-06	7.45E-05
5382	476656.71	3849346.88	1.25E-01	1.28E-01	1.28E-01	4.34E-05	1.31E-04	7.58E-05	7.74E-05	7.01E-05	3.14E-05	3.20E-05	1.45E-06	3.50E-05	7.72E-06	1.05E-05	1.67E-05	2.88E-06	2.11E-06	7.63E-05
5383	476873.55	3849454.53	1.14E-01	1.17E-01	1.17E-01	3.96E-05	1.20E-04	6.93E-05	7.07E-05	6.41E-05	2.86E-05	2.92E-05	1.32E-06	3.20E-05	7.05E-06	9.60E-06	1.52E-05	2.63E-06	1.93E-06	6.97E-05
5384	477700	3849859.7	8.08E-02	8.25E-02	8.24E-02	2.80E-05	8.45E-05	4.89E-05	4.99E-05	4.52E-05	2.02E-05	2.06E-05	9.34E-07	2.26E-05	4.98E-06	6.78E-06	1.07E-05	1.86E-06	1.36E-06	4.92E-05
5385	477743.16	3849856.38	1.13E-01	1.16E-01	1.16E-01	3.92E-05	1.19E-04	6.86E-05	7.00E-05	6.35E-05	2.84E-05	2.89E-05	1.31E-06	3.17E-05	6.99E-06	9.50E-06	1.51E-05	2.60E-06	1.91E-06	6.91E-05
5386	478477.35	3850216.33	1.05E-01	1.07E-01	1.07E-01	3.64E-05	1.10E-04	6.37E-05	6.50E-05	5.89E-05	2.64E-05	2.69E-05	1.22E-06	2.94E-05	6.49E-06	8.83E-06	1.40E-05	2.42E-06	1.77E-06	6.41E-05
5387	478485.8	3850201.6	9.78E-02	9.98E-02	9.96E-02	3.38E-05	1.02E-04	5.92E-05	6.04E-05	5.47E-05	2.45E-05	2.49E-05	1.13E-06	2.73E-05	6.02E-06	8.20E-06	1.30E-05	2.25E-06	1.64E-06	5.95E-05
5388	479113.21	3850501.53	9.09E-02	9.28E-02	9.27E-02	3.15E-05	9.51E-05	5.50E-05	5.62E-05	5.09E-05	2.28E-05	2.32E-05	1.05E-06	2.54E-05	5.60E-06	7.62E-06	1.21E-05	2.09E-06	1.53E-06	5.54E-05
5389	479108.11	3850382.28	4.46E-02	4.55E-02	4.54E-02	1.54E-05	4.66E-05	2.70E-05	2.75E-05	2.49E-05	1.12E-05	1.14E-05	5.15E-07	1.24E-05	2.75E-06	3.74E-06	5.93E-06	1.02E-06	7.50E-07	2.71E-05
5390	479689.85	3850674.28	4.73E-02	4.83E-02	4.82E-02	1.64E-05	4.94E-05	2.86E-05	2.92E-05	2.65E-05	1.18E-05	1.21E-05	5.47E-07	1.32E-05	2.91E-06	3.97E-06	6.29E-06	1.09E-06	7.96E-07	2.88E-05
5391	479952.42	3850774.28	4.22E-02	4.31E-02	4.31E-02	1.46E-05	4.41E-05	2.56E-05	2.61E-05	2.36E-05	1.06E-05	1.08E-05	4.88E-07	1.18E-05	2.60E-06	3.54E-06	5.62E-06	9.70E-07	7.11E-07	2.57E-05
5392	479911.32	3850884.85	9.20E-02	9.39E-02	9.38E-02	3.18E-05	9.62E-05	5.57E-05	5.68E-05	5.15E-05	2.30E-05	2.35E-05	1.06E-06	2.57E-05	5.67E-06	7.71E-06	1.22E-05	2.11E-06	1.55E-06	5.60E-05
5393	480500.92	3851178.12	9.87E-02	1.01E-01	1.01E-01	3.42E-05	1.03E-04	5.97E-05	6.09E-05	5.52E-05	2.47E-05	2.52E-05	1.14E-06	2.75E-05	6.08E-06	8.27E-06	1.31E-05	2.27E-06	1.66E-06	6.01E-05
5394	480738.01	3851289.27	9.46E-02	9.65E-02	9.64E-02	3.27E-05	9.88E-05	5.72E-05	5.84E-05	5.29E-05	2.37E-05	2.41E-05	1.09E-06	2.64E-05	5.83E-06	7.93E-06	1.26E-05	2.17E-06	1.59E-06	5.76E-05
5395	481055.42	3851443.58	9.45E-02	9.65E-02	9.63E-02	3.27E-05	9.88E-05	5.72E-05	5.84E-05	5.29E-05	2.37E-05	2.41E-05	1.09E-06	2.64E-05	5.82E-06	7.92E-06	1.26E-05	2.17E-06	1.59E-06	5.76E-05
5396	481110.22	3851443.15	7.32E-02	7.47E-02	7.46E-02	2.53E-05	7.65E-05	4.43E-05	4.52E-05	4.10E-05	1.83E-05	1.87E-05	8.46E-07	2.04E-05	4.51E-06	6.14E-06	9.73E-06	1.68E-06	1.23E-06	4.46E-05
5397	481111.1	3851417.45	6.17E-02	6.30E-02	6.29E-02	2.14E-05	6.45E-05	3.74E-05	3.81E-05	3.46E-05	1.55E-05	1.57E-05	7.14E-07	1.72E-05	3.80E-06	5.18E-06	8.21E-06	1.42E-06	1.04E-06	3.76E-05
5398	482248.44	3852605.09	9.02E-02	9.21E-02	9.20E-02	3.12E-05	9.43E-05	5.46E-05	5.57E-05	5.05E-05	2.26E-05	2.30E-05	1.04E-06	2.52E-05	5.56E-06	7.57E-06	1.20E-05	2.07E-06	1.52E-06	5.50E-05
5399	482273.34	3852632.31	9.33E-02	9.52E-02	9.50E-02	3.23E-05	9.75E-05	5.64E-05	5.76E-05	5.22E-05	2.33E-05	2.38E-05	1.08E-06	2.60E-05	5.75E-06	7.82E-06	1.24E-05	2.14E-06	1.57E-06	5.68E-05
5400	482665.46	3853038.72	7.72E-02	7.87E-02	7.86E-02	2.67E-05	8.06E-05	4.67E-05	4.76E-05	4.32E-05	1.93E-05	1.97E-05	8.92E-07	2.15E-05	4.75E-06	6.47E-06	1.03E-05	1.77E-06	1.30E-06	4.70E-05
5401	483077.95	3853844.31	3.79E-03	3.87E-03	3.86E-03	1.31E-06	3.96E-06	2.29E-06	2.34E-06	2.12E-06	9.48E-07	9.66E-07	4.38E-08	1.06E-06	2.33E-07	3.18E-07	5.04E-07	8.70E-08	6.37E-08	2.31E-06
5402	483121.38	3853909.38	3.37E-03	3.44E-03	3.44E-03	1.17E-06	3.53E-06	2.04E-06	2.08E-06	1.89E-06	8.44E-07	8.60E-07	3.90E-08	9.42E-07	2.08E-07	2.83E-07	4.49E-07	7.75E-08	5.68E-08	2.05E-06
5403	483492.64	3853911.49	3.33E-03	3.40E-03	3.40E-03	1.15E-06	3.48E-06	2.02E-06	2.06E-06	1.87E-06	8.34E-07	8.50E-07	3.85E-08	9.30E-07	2.05E-07	2.79E-07	4.43E-07	7.65E-08	5.61E-08	2.03E-06
5404	483498.29	3854204.73	2.35E-03	2.39E-03	2.39E-03	8.12E-07	2.45E-06	1.42E-06	1.45E-06	1.31E-06	5.87E-07	5.99E-07	2.71E-08	6.55E-07	1.45E-07	1.97E-07	3.12E-07	5.39E-08	3.95E-08	1.43E-06
5405	484132.44	3854662.55	1.38E-03	1.41E-03	1.41E-03	4.79E-07	1.45E-06	8.38E-07	8.55E-07	7.75E-07	3.47E-07	3.53E-07	1.60E-08	3.87E-07	8.53E-08	1.16E-07	1.84E-07	3.18E-08	2.33E-08	8.43E-07
5406	484627.62	3854876.13	1.33E-03	1.36E-03	1.36E-03	4.62E-07	1.39E-06	8.07E-07	8.24E-07	7.47E-07	3.34E-07	3.40E-07	1.54E-08	3.72E-07	8.22E-08	1.12E-07	1.77E-07	3.06E-08	2.24E-08	8.12E-07
5407	484756.14	3854949.04	1.32E-03	1.35E-03	1.34E-03	4.56E-07	1.38E-06	7.98E-07	8.14E-07	7.38E-07	3.30E-07	3.36E-07	1.52E-08	3.68E-07	8.12E-08	1.11E-07	1.75E-07	3.03E-08	2.22E-08	8.03E-07
5408	486697.51	3856599.17	8.89E-04	9.07E-04	9.06E-04	3.08E-07	9.29E-07	5.38E-07	5.49E-07	4.98E-07	2.22E-07	2.27E-07	1.03E-08	2.48E-07	5.48E-08	7.45E-08	1.18E-07	2.04E-08	1.50E-08	5.41E-07

5409	487105.31	3856962.27	9.10E-04	9.29E-04	9.28E-04	3.15E-07	9.51E-07	5.51E-07	5.62E-07	5.09E-07	2.28E-07	2.32E-07	1.05E-08	2.54E-07	5.61E-08	7.63E-08	1.21E-07	2.09E-08	1.53E-08	5.54E-07
5410	487157.57	3856901.7	9.12E-04	9.31E-04	9.30E-04	3.16E-07	9.53E-07	5.52E-07	5.63E-07	5.10E-07	2.28E-07	2.33E-07	1.05E-08	2.55E-07	5.62E-08	7.65E-08	1.21E-07	2.09E-08	1.53E-08	5.55E-07
5411	487173.5	3856853.74	9.09E-04	9.27E-04	9.26E-04	3.15E-07	9.50E-07	5.50E-07	5.61E-07	5.09E-07	2.27E-07	2.32E-07	1.05E-08	2.54E-07	5.60E-08	7.62E-08	1.21E-07	2.09E-08	1.53E-08	5.53E-07
5412	487564.41	3856860.83	9.03E-04	9.21E-04	9.20E-04	3.13E-07	9.44E-07	5.46E-07	5.57E-07	5.05E-07	2.26E-07	2.30E-07	1.04E-08	2.52E-07	5.56E-08	7.57E-08	1.20E-07	2.07E-08	1.52E-08	5.50E-07
5413	487563.31	3856931.58	9.11E-04	9.29E-04	9.28E-04	3.15E-07	9.52E-07	5.51E-07	5.62E-07	5.10E-07	2.28E-07	2.32E-07	1.05E-08	2.54E-07	5.61E-08	7.63E-08	1.21E-07	2.09E-08	1.53E-08	5.54E-07
5414	487782.7	3856926.85	9.18E-04	9.37E-04	9.36E-04	3.18E-07	9.59E-07	5.55E-07	5.67E-07	5.14E-07	2.30E-07	2.34E-07	1.06E-08	2.56E-07	5.66E-08	7.69E-08	1.22E-07	2.11E-08	1.54E-08	5.59E-07
5415	487782.39	3856757.07	9.06E-04	9.25E-04	9.24E-04	3.14E-07	9.47E-07	5.48E-07	5.60E-07	5.07E-07	2.27E-07	2.31E-07	1.05E-08	2.53E-07	5.58E-08	7.60E-08	1.21E-07	2.08E-08	1.53E-08	5.52E-07
5416	487917.26	3856752.41	9.11E-04	9.29E-04	9.28E-04	3.15E-07	9.52E-07	5.51E-07	5.62E-07	5.10E-07	2.28E-07	2.32E-07	1.05E-08	2.54E-07	5.61E-08	7.63E-08	1.21E-07	2.09E-08	1.53E-08	5.54E-07
5417	487919.57	3856953.35	9.29E-04	9.48E-04	9.47E-04	3.22E-07	9.71E-07	5.62E-07	5.74E-07	5.20E-07	2.33E-07	2.37E-07	1.07E-08	2.59E-07	5.73E-08	7.79E-08	1.24E-07	2.13E-08	1.56E-08	5.66E-07
5418	487932.76	3857000.32	9.32E-04	9.51E-04	9.50E-04	3.23E-07	9.74E-07	5.64E-07	5.76E-07	5.22E-07	2.33E-07	2.38E-07	1.08E-08	2.60E-07	5.74E-08	7.82E-08	1.24E-07	2.14E-08	1.57E-08	5.68E-07
5419	487960.5	3857044.75	9.37E-04	9.56E-04	9.55E-04	3.24E-07	9.80E-07	5.67E-07	5.79E-07	5.25E-07	2.35E-07	2.39E-07	1.08E-08	2.62E-07	5.78E-08	7.86E-08	1.25E-07	2.15E-08	1.58E-08	5.71E-07
5420	488016.54	3857089.54	9.44E-04	9.64E-04	9.63E-04	3.27E-07	9.87E-07	5.71E-07	5.83E-07	5.29E-07	2.36E-07	2.41E-07	1.09E-08	2.64E-07	5.82E-08	7.92E-08	1.26E-07	2.17E-08	1.59E-08	5.75E-07
5421	488114.39	3857165.47	9.60E-04	9.80E-04	9.78E-04	3.32E-07	1.00E-06	5.81E-07	5.93E-07	5.37E-07	2.40E-07	2.45E-07	1.11E-08	2.68E-07	5.91E-08	8.05E-08	1.28E-07	2.20E-08	1.62E-08	5.85E-07
5422	488171.49	3857234.24	9.78E-04	9.98E-04	9.96E-04	3.38E-07	1.02E-06	5.92E-07	6.04E-07	5.47E-07	2.45E-07	2.49E-07	1.13E-08	2.73E-07	6.02E-08	8.20E-08	1.30E-07	2.25E-08	1.65E-08	5.95E-07
5423	488193.16	3857297.8	9.97E-04	1.02E-03	1.02E-03	3.45E-07	1.04E-06	6.04E-07	6.16E-07	5.58E-07	2.50E-07	2.54E-07	1.15E-08	2.79E-07	6.15E-08	8.36E-08	1.33E-07	2.29E-08	1.68E-08	6.07E-07
5424	488189.27	3857649.94	1.14E-03	1.16E-03	1.16E-03	3.94E-07	1.19E-06	6.89E-07	7.03E-07	6.37E-07	2.85E-07	2.90E-07	1.32E-08	3.18E-07	7.01E-08	9.54E-08	1.51E-07	2.61E-08	1.92E-08	6.93E-07
5425	488127.43	3857732.32	1.17E-03	1.20E-03	1.20E-03	4.06E-07	1.23E-06	7.10E-07	7.24E-07	6.57E-07	2.94E-07	2.99E-07	1.36E-08	3.28E-07	7.23E-08	9.83E-08	1.56E-07	2.69E-08	1.97E-08	7.14E-07
5426	488149.93	3857752.94	1.19E-03	1.21E-03	1.21E-03	4.10E-07	1.24E-06	7.17E-07	7.32E-07	6.63E-07	2.97E-07	3.02E-07	1.37E-08	3.31E-07	7.30E-08	9.93E-08	1.58E-07	2.72E-08	1.99E-08	7.22E-07
5427	488144.76	3857758.71	1.19E-03	1.21E-03	1.21E-03	4.11E-07	1.24E-06	7.18E-07	7.33E-07	6.64E-07	2.97E-07	3.03E-07	1.37E-08	3.31E-07	7.31E-08	9.95E-08	1.58E-07	2.73E-08	2.00E-08	7.23E-07
5428	488335.58	3857932.55	1.36E-03	1.39E-03	1.39E-03	4.71E-07	1.42E-06	8.24E-07	8.41E-07	7.62E-07	3.41E-07	3.47E-07	1.57E-08	3.80E-07	8.39E-08	1.14E-07	1.81E-07	3.13E-08	2.29E-08	8.29E-07
5429	488372.29	3857943.79	1.38E-03	1.41E-03	1.41E-03	4.78E-07	1.44E-06	8.35E-07	8.53E-07	7.73E-07	3.46E-07	3.52E-07	1.60E-08	3.86E-07	8.51E-08	1.16E-07	1.84E-07	3.17E-08	2.32E-08	8.41E-07
5430	488828.64	3857936.4	1.42E-03	1.45E-03	1.45E-03	4.93E-07	1.49E-06	8.62E-07	8.79E-07	7.97E-07	3.56E-07	3.63E-07	1.65E-08	3.98E-07	8.78E-08	1.19E-07	1.89E-07	3.27E-08	2.40E-08	8.67E-07
5431	488829.08	3857959.58	1.45E-03	1.48E-03	1.47E-03	5.01E-07	1.51E-06	8.75E-07	8.93E-07	8.09E-07	3.62E-07	3.69E-07	1.67E-08	4.04E-07	8.91E-08	1.21E-07	1.92E-07	3.32E-08	2.43E-08	8.81E-07
5432	488351.61	3857964.55	1.40E-03	1.43E-03	1.42E-03	4.84E-07	1.46E-06	8.45E-07	8.63E-07	7.82E-07	3.50E-07	3.56E-07	1.62E-08	3.90E-07	8.61E-08	1.17E-07	1.86E-07	3.21E-08	2.35E-08	8.51E-07
5433	488316.87	3857947.65	1.37E-03	1.40E-03	1.40E-03	4.75E-07	1.43E-06	8.30E-07	8.47E-07	7.68E-07	3.43E-07	3.50E-07	1.59E-08	3.83E-07	8.45E-08	1.15E-07	1.82E-07	3.15E-08	2.31E-08	8.35E-07
5434	488129.1	3857775.77	1.19E-03	1.22E-03	1.22E-03	4.13E-07	1.25E-06	7.23E-07	7.37E-07	6.68E-07	2.99E-07	3.05E-07	1.38E-08	3.33E-07	7.36E-08	1.00E-07	1.59E-07	2.74E-08	2.01E-08	7.27E-07
5435	488062.53	3857846.13	1.23E-03	1.25E-03	1.25E-03	4.25E-07	1.28E-06	7.43E-07	7.59E-07	6.88E-07	3.08E-07	3.13E-07	1.42E-08	3.43E-07	7.57E-08	1.03E-07	1.63E-07	2.82E-08	2.07E-08	7.48E-07
5436	488330.41	3858091.34	1.51E-03	1.54E-03	1.54E-03	5.23E-07	1.58E-06	9.15E-07	9.33E-07	8.46E-07	3.78E-07	3.86E-07	1.75E-08	4.22E-07	9.32E-08	1.27E-07	2.01E-07	3.47E-08	2.54E-08	9.21E-07
5437	488470.87	3858174.45	1.69E-03	1.73E-03	1.73E-03	5.86E-07	1.77E-06	1.02E-06	1.05E-06	9.47E-07	4.24E-07	4.32E-07	1.96E-08	4.73E-07	1.04E-07	1.42E-07	2.25E-07	3.89E-08	2.85E-08	1.03E-06
5438	488568.9	3858262.31	1.89E-03	1.93E-03	1.93E-03	6.55E-07	1.98E-06	1.15E-06	1.17E-06	1.06E-06	4.74E-07	4.83E-07	2.19E-08	5.29E-07	1.17E-07	1.59E-07	2.52E-07	4.35E-08	3.18E-08	1.15E-06
5439	488964.27	3858025.71	1.52E-03	1.55E-03	1.55E-03	5.27E-07	1.59E-06	9.21E-07	9.40E-07	8.52E-07	3.81E-07	3.88E-07	1.76E-08	4.25E-07	9.38E-08	1.28E-07	2.02E-07	3.50E-08	2.56E-08	9.27E-07
5440	489147.25	3857956.64	1.41E-03	1.44E-03	1.44E-03	4.89E-07	1.48E-06	8.54E-07	8.71E-07	7.90E-07	3.53E-07	3.60E-07	1.63E-08	3.94E-07	8.70E-08	1.18E-07	1.88E-07	3.24E-08	2.37E-08	8.60E-07
5441	489343.52	3857932.45	1.31E-03	1.33E-03	1.33E-03	4.52E-07	1.37E-06	7.90E-07	8.07E-07	7.31E-07	3.27E-07	3.33E-07	1.51E-08	3.65E-07	8.05E-08	1.10E-07	1.74E-07	3.00E-08	2.20E-08	7.95E-07
5442	489866.19	3857923.19	1.19E-03	1.22E-03	1.22E-03	4.14E-07	1.25E-06	7.23E-07	7.38E-07	6.69E-07	2.99E-07	3.05E-07	1.38E-08	3.34E-07	7.36E-08	1.00E-07	1.59E-07	2.74E-08	2.01E-08	7.28E-07
5443	489955.65	3857902.27	1.16E-03	1.18E-03	1.18E-03	4.01E-07	1.21E-06	7.01E-07	7.16E-07	6.49E-07	2.90E-07	2.96E-07	1.34E-08	3.24E-07	7.14E-08	9.71E-08	1.54E-07	2.66E-08	1.95E-08	7.06E-07
5444	490079.44	3857847.9	1.13E-03	1.15E-03	1.15E-03	3.91E-07	1.18E-06	6.84E-07	6.98E-07	6.33E-07	2.83E-07	2.88E-07	1.31E-08	3.16E-07	6.96E-08	9.48E-08	1.50E-07	2.60E-08	1.90E-08	6.88E-07
5445	490108.49	3857934.13	1.19E-03	1.22E-03	1.21E-03	4.12E-07	1.24E-06	7.20E-07	7.35E-07	6.66E-07	2.98E-07	3.04E-07	1.38E-08	3.32E-07	7.34E-08	9.98E-08	1.58E-07	2.73E-08	2.00E-08	7.25E-07
5446	489884.48	3858014.17	1.28E-03	1.31E-03	1.31E-03	4.45E-07	1.34E-06	7.77E-07	7.93E-07	7.19E-07	3.21E-07	3.28E-07	1.48E-08	3.59E-07	7.91E-08	1.08E-07	1.71E-07	2.95E-08	2.16E-08	7.82E-07
5447	489326.56	3858025.86	1.42E-03	1.45E-03	1.45E-03	4.92E-07	1.49E-06	8.60E-07	8.78E-07	7.96E-07	3.56E-07	3.63E-07	1.64E-08	3.97E-07	8.76E-08	1.19E-07	1.89E-07	3.27E-08	2.39E-08	8.66E-07
5448	489130.38	3858056.71	1.52E-03	1.55E-03	1.54E-03	5.24E-07	1.58E-06	9.17E-07	9.35E-07	8.48E-07	3.79E-07	3.86E-07	1.75E-08	4.23E-07	9.34E-08	1.27E-07	2.01E-07	3.48E-08	2.55E-08	9.23E-07
5449	488936.49	3858143.93	1.69E-03	1.72E-03	1.72E-03	5.83E-07	1.76E-06	1.02E-06	1.04E-06	9.43E-07	4.22E-07	4.30E-07	1.95E-08	4.71E-07	1.04E-07	1.41E-07	2.24E-07	3.87E-08	2.84E-08	1.03E-06
5450	488638.08	3858327.45	2.06E-03	2.10E-03	2.10E-03	7.12E-07	2.15E-06	1.24E-06	1.27E-06	1.15E-06	5.15E-07	5.25E-07	2.38E-08	5.74E-07	1.27E-07	1.72E-07	2.74E-07	4.73E-08	3.46E-08	1.25E-06
5451	488663.79	3858349.57	2.12E-03	2.17E-03	2.16E-03	7.35E-07	2.22E-06	1.28E-06	1.31E-06	1.19E-06	5.31E-07	5.41E-07	2.45E-08	5.92E-07	1.31E-07	1.78E-07	2.82E-07	4.87E-08	3.57E-08	1.29E-06
5452	488694.56	3858349.5	2.13E-03	2.17E-03	2.17E-03	7.36E-07	2.22E-06	1.29E-06	1.31E-06	1.19E-06	5.32E-07	5.43E-07	2.46E-08	5.94E-07	1.31E-07	1.78E-07	2.83E-07	4.89E-08	3.58E-08	1.30E-06
5453	488694.35	3858336.75	2.09E-03	2.13E-03	2.13E-03	7.24E-07	2.19E-06	1.27E-06	1.29E-06	1.17E-06	5.23E-07	5.33E-07	2.42E-08	5.84E-07	1.29E-07	1.75E-07	2.78E-07	4.80E-08	3.52E-08	1.27E-06
5454	488712.81	3858336.38	2.09E-03	2.14E-03	2.13E-03	7.25E-07	2.19E-06	1.27E-06	1.29E-06	1.17E-06	5.24E-07	5.34E-07	2.42E-08	5.85E-07	1.29E-07	1.76E-07	2.78E-07	4.81E-08	3.52E-08	1.27E-06
5455	488713.23	3858367.46	2.18E-03	2.23E-03	2.23E-03	7.56E-07	2.28E-06	1.32E-06	1.35E-06	1.22E-06	5.47E-07	5.57E-07	2.53E-08	6.10E-07	1.35E-07	1.83E-07	2.91E-07	5.02E-08	3.68E-08	1.33E-06
5456	488704.63	3858384.05	2.24E-03	2.28E-03	2.28E-03	7.74E-07	2.34E-06	1.35E-06	1.38E-06	1.25E-06	5.59E-07	5.70E-07	2.58E-08	6.24E-07	1.38E-07	1.87E-07	2.97E-07	5.13E-08	3.76E-08	1.36E-06
5457	488604.15	3858488.29	2.59E-03	2.64E-03	2.64E-03	8.96E-07	2.71E-06	1.57E-06	1.60E-06	1.45E-06	6.48E-07	6.60E-07	2.99E-08	7.23E-07	1.59E-07	2.17E-07	3.44E-07	5.94E-08	4.35E-08	1.58E-06
5458	488605.66	3858550.47	2.87E-03	2.93E-03	2.93E-03	9.94E-07	3.00E-06	1.74E-06	1.77E-06	1.61E-06	7.19E-07	7.33E-07	3.32E-08	8.02E-07	1.77E-07	2.41E-07	3.82E-07	6.60E-08	4.83E-08	1.75E-06
5459	488692.68	3858548.71	2.97E-03	3.03E-03	3.02E-03	1.03E-06	3.10E-06	1.80E-06	1.83E-06	1.66E-06	7.43E-07	7.57E-07	3.43E-08	8.29E-07	1.83E-07	2.49E-07	3.95E-07	6.82E-08	4.99E-08	1.81E-06
5460	488759.93	3858461.81	2.55E-03	2.60E-03	2.60E-03	8.82E-07	2.66E-06	1.54E-06	1.57E-06	1.43E-06	6.37E-07	6.50E-07	2.94E-08	7.11E-07	1.57E-07	2.14E-07	3.39E-07	5.85E-08	4.29E-08	1.55E-06
5461	488816.57	3858541.79	3.00E-03	3.06E-03	3.06E-03	1.04E-06	3.14E-06	1.82E-06	1.85E-06	1.68E-06	7.51E-07	7.65E-07	3.47E-08	8.38E-07	1.85E-07	2.51E-07	3.99E-07	6.89E-08	5.05E-08	1.83E-06
5462	488944.63	3858656.77	4.06E-03	4.15E-03	4.14E-03	1.41E-06	4.25E-06	2.46E-06	2.51E-06	2.27E-06	1.02E-06	1.04E-06	4.70E-08	1.13E-06	2.50E-07	3.41E-07	5.40E-07	9.33E-08	6.84E-08	2.48E-06
5463	489134.91	3858830.7	1.30E-02	1.32E-02	1.32E-02	4.48E-06	1.35E-05	7.84E-06	8.00E-06	7.25E-06	3.24E-06	3.30E-06	1.50E-07	3.62E-06	7.98E-07	1.09E-06	1.72E-06	2.98E-07	2.18E-07	7.89E-06
5464	489193.99	3858886.05	2.05E-02	2.09E-02	2.09E-02	7.08E-06	2.14E-05	1.24E-05	1.26E-05	1.15E-05	5.12E-06	5.22E-06	2.37E-07	5.71E-06	1.26E-06	1.72E-06	2.72E-06	4.70E-07	3.44E-07	1.25E-05
5465	489295.2	3858954.34	2.72E-02	2.77E-02	2.77E-02	9.41E-06	2.84E-05	1.64E-05	1.68E-05	1.52E-05	6.80E-06	6.93E-06	3.14E-07	7.59E-06	1.67E-06	2.28E-06	3.62E-06	6.24E-07	4.57E-07	1.66E-05

5466	489295.64	3858992.74	3.45E-02	3.52E-02	3.51E-02	1.19E-05	3.60E-05	2.09E-05	2.13E-05	1.93E-05	8.63E-06	8.79E-06	3.98E-07	9.63E-06	2.12E-06	2.89E-06	4.58E-06	7.92E-07	5.80E-07	2.10E-05
5467	489183.74	3858911.72	2.60E-02	2.65E-02	2.65E-02	8.99E-06	2.71E-05	1.57E-05	1.60E-05	1.45E-05	6.50E-06	6.62E-06	3.00E-07	7.25E-06	1.60E-06	2.18E-06	3.45E-06	5.96E-07	4.37E-07	1.58E-05
5468	488873.37	3858625.59	3.71E-03	3.78E-03	3.78E-03	1.28E-06	3.87E-06	2.24E-06	2.29E-06	2.07E-06	9.28E-07	9.46E-07	4.28E-08	1.04E-06	2.28E-07	3.11E-07	4.93E-07	8.51E-08	6.24E-08	2.26E-06
5469	488842.84	3858658.69	4.08E-03	4.16E-03	4.16E-03	1.41E-06	4.27E-06	2.47E-06	2.52E-06	2.28E-06	1.02E-06	1.04E-06	4.72E-08	1.14E-06	2.51E-07	3.42E-07	5.43E-07	9.37E-08	6.87E-08	2.49E-06
5470	488856.39	3858670.93	4.26E-03	4.34E-03	4.34E-03	1.47E-06	4.45E-06	2.58E-06	2.63E-06	2.38E-06	1.07E-06	1.09E-06	4.92E-08	1.19E-06	2.62E-07	3.57E-07	5.66E-07	9.78E-08	7.16E-08	2.59E-06
5471	488805.7	3858724.5	5.14E-03	5.25E-03	5.24E-03	1.78E-06	5.37E-06	3.11E-06	3.17E-06	2.88E-06	1.29E-06	1.31E-06	5.94E-08	1.44E-06	3.17E-07	4.31E-07	6.84E-07	1.18E-07	8.65E-08	3.13E-06
5472	488805.87	3858804.16	7.97E-03	8.13E-03	8.12E-03	2.76E-06	8.33E-06	4.82E-06	4.92E-06	4.46E-06	1.99E-06	2.03E-06	9.21E-08	2.22E-06	4.91E-07	6.68E-07	1.06E-06	1.83E-07	1.34E-07	4.85E-06
5473	488995.78	3858936.96	7.31E-02	7.46E-02	7.45E-02	2.53E-05	7.64E-05	4.42E-05	4.51E-05	4.09E-05	1.83E-05	1.86E-05	8.45E-07	2.04E-05	4.50E-06	6.13E-06	9.72E-06	1.68E-06	1.23E-06	4.45E-05
5474	489130.76	3859017.38	8.20E-02	8.37E-02	8.36E-02	2.84E-05	8.57E-05	4.96E-05	5.06E-05	4.59E-05	2.05E-05	2.09E-05	9.48E-07	2.29E-05	5.05E-06	6.88E-06	1.09E-05	1.88E-06	1.38E-06	5.00E-05
5475	489130.92	3859052.24	7.25E-02	7.40E-02	7.39E-02	2.51E-05	7.58E-05	4.39E-05	4.48E-05	4.06E-05	1.81E-05	1.85E-05	8.38E-07	2.02E-05	4.47E-06	6.08E-06	9.64E-06	1.66E-06	1.22E-06	4.41E-05
5476	489200.33	3859090.6	9.23E-02	9.41E-02	9.40E-02	3.19E-05	9.64E-05	5.58E-05	5.70E-05	5.16E-05	2.31E-05	2.35E-05	1.07E-06	2.58E-05	5.68E-06	7.73E-06	1.23E-05	2.12E-06	1.55E-06	5.62E-05
5477	489296.07	3859143.7	9.94E-02	1.01E-01	1.01E-01	3.44E-05	1.04E-04	6.01E-05	6.14E-05	5.56E-05	2.49E-05	2.54E-05	1.15E-06	2.78E-05	6.12E-06	8.33E-06	1.32E-05	2.28E-06	1.67E-06	6.05E-05
5478	489296.43	3858954.74	2.72E-02	2.77E-02	2.77E-02	9.41E-06	2.84E-05	1.64E-05	1.68E-05	1.52E-05	6.80E-06	6.93E-06	3.14E-07	7.59E-06	1.67E-06	2.28E-06	3.61E-06	6.24E-07	4.57E-07	1.66E-05
5479	489410.33	3859033.19	3.22E-02	3.29E-02	3.29E-02	1.12E-05	3.37E-05	1.95E-05	1.99E-05	1.80E-05	8.07E-06	8.22E-06	3.73E-07	9.00E-06	1.99E-06	2.70E-06	4.29E-06	7.40E-07	5.42E-07	1.96E-05
5480	489371.37	3859089.8	4.96E-02	5.06E-02	5.06E-02	1.72E-05	5.19E-05	3.00E-05	3.06E-05	2.78E-05	1.24E-05	1.27E-05	5.74E-07	1.39E-05	3.06E-06	4.16E-06	6.60E-06	1.14E-06	8.35E-07	3.02E-05
5481	489390.52	3859102.82	5.06E-02	5.17E-02	5.16E-02	1.75E-05	5.29E-05	3.06E-05	3.13E-05	2.83E-05	1.27E-05	1.29E-05	5.85E-07	1.41E-05	3.12E-06	4.24E-06	6.73E-06	1.16E-06	8.52E-07	3.08E-05
5482	489382.3	3859114.53	5.65E-02	5.76E-02	5.76E-02	1.96E-05	5.90E-05	3.42E-05	3.49E-05	3.16E-05	1.41E-05	1.44E-05	6.53E-07	1.58E-05	3.48E-06	4.74E-06	7.51E-06	1.30E-06	9.50E-07	3.44E-05
5483	489363.04	3859102.45	5.57E-02	5.68E-02	5.67E-02	1.93E-05	5.82E-05	3.37E-05	3.44E-05	3.12E-05	1.39E-05	1.42E-05	6.43E-07	1.55E-05	3.43E-06	4.67E-06	7.40E-06	1.28E-06	9.37E-07	3.39E-05
5484	489337.52	3859140.71	8.58E-02	8.75E-02	8.74E-02	2.97E-05	8.96E-05	5.19E-05	5.29E-05	4.80E-05	2.15E-05	2.19E-05	9.91E-07	2.39E-05	5.28E-06	7.19E-06	1.14E-05	1.97E-06	1.44E-06	5.22E-05
5485	489375.14	3859164.55	9.05E-02	9.24E-02	9.23E-02	3.13E-05	9.46E-05	5.48E-05	5.59E-05	5.07E-05	2.27E-05	2.31E-05	1.05E-06	2.53E-05	5.58E-06	7.59E-06	1.20E-05	2.08E-06	1.52E-06	5.51E-05
5486	489409.3	3859114.5	5.14E-02	5.24E-02	5.23E-02	1.78E-05	5.37E-05	3.11E-05	3.17E-05	2.87E-05	1.29E-05	1.31E-05	5.94E-07	1.43E-05	3.16E-06	4.31E-06	6.83E-06	1.18E-06	8.64E-07	3.13E-05
5487	489434.87	3859131.81	5.30E-02	5.40E-02	5.40E-02	1.83E-05	5.54E-05	3.20E-05	3.27E-05	2.96E-05	1.33E-05	1.35E-05	6.12E-07	1.48E-05	3.26E-06	4.44E-06	7.04E-06	1.22E-06	8.91E-07	3.23E-05
5488	489471.87	3859075.75	3.45E-02	3.52E-02	3.52E-02	1.20E-05	3.61E-05	2.09E-05	2.13E-05	1.93E-05	8.64E-06	8.81E-06	3.99E-07	9.64E-06	2.13E-06	2.89E-06	4.59E-06	7.93E-07	5.81E-07	2.10E-05
5489	489602.62	3859164.69	3.95E-02	4.04E-02	4.03E-02	1.37E-05	4.13E-05	2.39E-05	2.44E-05	2.21E-05	9.90E-06	1.01E-05	4.57E-07	1.10E-05	2.44E-06	3.31E-06	5.26E-06	9.08E-07	6.65E-07	2.41E-05
5490	489558.29	3859232.45	7.02E-02	7.17E-02	7.16E-02	2.43E-05	7.34E-05	4.25E-05	4.34E-05	3.93E-05	1.76E-05	1.79E-05	8.12E-07	1.96E-05	4.33E-06	5.89E-06	9.34E-06	1.61E-06	1.18E-06	4.28E-05
5491	489620.11	3859273.56	7.55E-02	7.71E-02	7.70E-02	2.61E-05	7.89E-05	4.57E-05	4.66E-05	4.23E-05	1.89E-05	1.93E-05	8.73E-07	2.11E-05	4.65E-06	6.33E-06	1.00E-05	1.73E-06	1.27E-06	4.60E-05
5492	489666.06	3859206.42	4.18E-02	4.26E-02	4.26E-02	1.45E-05	4.37E-05	2.53E-05	2.58E-05	2.34E-05	1.05E-05	1.07E-05	4.83E-07	1.17E-05	2.57E-06	3.50E-06	5.56E-06	9.60E-07	7.03E-07	2.54E-05
5493	489787.9	3859285.65	4.58E-02	4.67E-02	4.67E-02	1.58E-05	4.78E-05	2.77E-05	2.83E-05	2.56E-05	1.15E-05	1.17E-05	5.29E-07	1.28E-05	2.82E-06	3.84E-06	6.09E-06	1.05E-06	7.70E-07	2.79E-05
5494	489752.17	3859343.13	7.53E-02	7.68E-02	7.68E-02	2.61E-05	7.87E-05	4.56E-05	4.65E-05	4.21E-05	1.88E-05	1.92E-05	8.70E-07	2.10E-05	4.64E-06	6.31E-06	1.00E-05	1.73E-06	1.27E-06	4.59E-05
5495	489814.94	3859385.33	8.12E-02	8.29E-02	8.28E-02	2.81E-05	8.49E-05	4.91E-05	5.01E-05	4.55E-05	2.03E-05	2.07E-05	9.39E-07	2.27E-05	5.00E-06	6.81E-06	1.08E-05	1.87E-06	1.37E-06	4.95E-05
5496	489853.42	3859330.74	4.86E-02	4.96E-02	4.95E-02	1.68E-05	5.08E-05	2.94E-05	3.00E-05	2.72E-05	1.22E-05	1.24E-05	5.62E-07	1.36E-05	3.00E-06	4.08E-06	6.46E-06	1.12E-06	8.18E-07	2.96E-05
5497	489969.5	3859401.91	5.16E-02	5.26E-02	5.26E-02	1.79E-05	5.39E-05	3.12E-05	3.18E-05	2.89E-05	1.29E-05	1.32E-05	5.96E-07	1.44E-05	3.18E-06	4.32E-06	6.86E-06	1.18E-06	8.68E-07	3.14E-05
5498	490166.91	3859486.96	4.79E-02	4.89E-02	4.88E-02	1.66E-05	5.01E-05	2.90E-05	2.96E-05	2.68E-05	1.20E-05	1.22E-05	5.54E-07	1.34E-05	2.95E-06	4.01E-06	6.37E-06	1.10E-06	8.06E-07	2.92E-05
5499	490128.86	3859571.46	1.11E-01	1.14E-01	1.13E-01	3.85E-05	1.16E-04	6.73E-05	6.87E-05	6.23E-05	2.78E-05	2.84E-05	1.29E-06	3.11E-05	6.85E-06	9.33E-06	1.48E-05	2.56E-06	1.87E-06	6.78E-05
5500	490186.65	3859593.65	1.13E-01	1.15E-01	1.15E-01	3.92E-05	1.18E-04	6.85E-05	6.99E-05	6.33E-05	2.83E-05	2.89E-05	1.31E-06	3.16E-05	6.97E-06	9.48E-06	1.50E-05	2.60E-06	1.90E-06	6.89E-05
5501	490223.74	3859517.48	4.96E-02	5.06E-02	5.05E-02	1.72E-05	5.18E-05	3.00E-05	3.06E-05	2.77E-05	1.24E-05	1.26E-05	5.73E-07	1.38E-05	3.05E-06	4.16E-06	6.59E-06	1.14E-06	8.34E-07	3.02E-05
5502	490846.34	3859817.22	7.34E-02	7.49E-02	7.48E-02	2.54E-05	7.67E-05	4.44E-05	4.53E-05	4.11E-05	1.84E-05	1.87E-05	8.49E-07	2.05E-05	4.52E-06	6.16E-06	9.76E-06	1.69E-06	1.24E-06	4.47E-05
5503	490925.65	3859844.59	6.81E-02	6.95E-02	6.94E-02	2.36E-05	7.11E-05	4.12E-05	4.20E-05	3.81E-05	1.70E-05	1.74E-05	7.87E-07	1.90E-05	4.19E-06	5.71E-06	9.05E-06	1.56E-06	1.15E-06	4.15E-05
5504	491159.29	3859896.28	4.94E-02	5.05E-02	5.04E-02	1.71E-05	5.17E-05	2.99E-05	3.05E-05	2.77E-05	1.24E-05	1.26E-05	5.72E-07	1.38E-05	3.05E-06	4.14E-06	6.58E-06	1.14E-06	8.32E-07	3.01E-05
5505	491370.69	3859960.89	3.71E-02	3.78E-02	3.78E-02	1.28E-05	3.87E-05	2.24E-05	2.29E-05	2.07E-05	9.28E-06	9.46E-06	4.28E-07	1.03E-05	2.28E-06	3.11E-06	4.93E-06	8.51E-07	6.24E-07	2.26E-05
5506	491330.28	3860063.17	5.85E-02	5.97E-02	5.96E-02	2.03E-05	6.12E-05	3.54E-05	3.61E-05	3.28E-05	1.46E-05	1.49E-05	6.76E-07	1.63E-05	3.61E-06	4.91E-06	7.78E-06	1.34E-06	9.85E-07	3.56E-05
5507	491636.45	3860180.75	3.72E-02	3.79E-02	3.79E-02	1.29E-05	3.89E-05	2.25E-05	2.30E-05	2.08E-05	9.31E-06	9.48E-06	4.30E-07	1.04E-05	2.29E-06	3.12E-06	4.94E-06	8.54E-07	6.26E-07	2.26E-05
5508	491617.94	3860203.93	4.20E-02	4.29E-02	4.28E-02	1.45E-05	4.39E-05	2.54E-05	2.59E-05	2.35E-05	1.05E-05	1.07E-05	4.85E-07	1.17E-05	2.59E-06	3.52E-06	5.58E-06	9.65E-07	7.07E-07	2.56E-05
5509	491805.68	3860271.59	3.27E-02	3.34E-02	3.34E-02	1.13E-05	3.42E-05	1.98E-05	2.02E-05	1.83E-05	8.19E-06	8.35E-06	3.78E-07	9.14E-06	2.02E-06	2.74E-06	4.35E-06	7.52E-07	5.51E-07	1.99E-05
5510	491654.23	3860414.02	5.70E-02	5.81E-02	5.81E-02	1.97E-05	5.95E-05	3.45E-05	3.52E-05	3.19E-05	1.43E-05	1.45E-05	6.58E-07	1.59E-05	3.51E-06	4.78E-06	7.58E-06	1.31E-06	9.58E-07	3.47E-05
5511	491592.62	3860510.76	1.94E-02	1.98E-02	1.98E-02	6.73E-06	2.03E-05	1.18E-05	1.20E-05	1.09E-05	4.87E-06	4.96E-06	2.25E-07	5.43E-06	1.20E-06	1.63E-06	2.59E-06	4.47E-07	3.27E-07	1.18E-05
5512	491475.41	3860368.93	2.99E-02	3.05E-02	3.05E-02	1.04E-05	3.13E-05	1.81E-05	1.85E-05	1.67E-05	7.49E-06	7.63E-06	3.46E-07	8.36E-06	1.84E-06	2.51E-06	3.98E-06	6.87E-07	5.03E-07	1.82E-05
5513	491445.61	3860337.28	3.28E-02	3.35E-02	3.34E-02	1.13E-05	3.43E-05	1.98E-05	2.02E-05	1.83E-05	8.21E-06	8.36E-06	3.79E-07	9.15E-06	2.02E-06	2.75E-06	4.36E-06	7.53E-07	5.52E-07	2.00E-05
5514	491399.05	3860300.37	3.44E-02	3.51E-02	3.50E-02	1.19E-05	3.59E-05	2.08E-05	2.12E-05	1.92E-05	8.60E-06	8.77E-06	3.97E-07	9.60E-06	2.12E-06	2.88E-06	4.57E-06	7.90E-07	5.78E-07	2.09E-05
5515	491228.84	3860235.98	2.32E-02	2.37E-02	2.37E-02	8.04E-06	2.43E-05	1.41E-05	1.43E-05	1.30E-05	5.82E-06	5.93E-06	2.69E-07	6.49E-06	1.43E-06	1.95E-06	3.09E-06	5.34E-07	3.91E-07	1.42E-05
5516	491228.47	3860174.57	3.66E-02	3.74E-02	3.73E-02	1.27E-05	3.83E-05	2.22E-05	2.26E-05	2.05E-05	9.17E-06	9.35E-06	4.24E-07	1.02E-05	2.26E-06	3.07E-06	4.87E-06	8.42E-07	6.17E-07	2.23E-05
5517	491145.77	3860112.55	3.77E-02	3.84E-02	3.84E-02	1.30E-05	3.94E-05	2.28E-05	2.33E-05	2.11E-05	9.43E-06	9.61E-06	4.35E-07	1.05E-05	2.32E-06	3.16E-06	5.01E-06	8.65E-07	6.34E-07	2.29E-05
5518	490844.41	3859966.22	3.59E-02	3.66E-02	3.66E-02	1.24E-05	3.75E-05	2.17E-05	2.22E-05	2.01E-05	8.99E-06	9.16E-06	4.15E-07	1.00E-05	2.21E-06	3.01E-06	4.78E-06	8.25E-07	6.04E-07	2.19E-05
5519	490845.55	3859928.15	5.71E-02	5.83E-02	5.82E-02	1.98E-05	5.97E-05	3.46E-05	3.53E-05	3.20E-05	1.43E-05	1.46E-05	6.60E-07	1.59E-05	3.52E-06	4.79E-06	7.59E-06	1.31E-06	9.61E-07	3.48E-05
5520	490046.91	3859625.6	4.40E-02	4.49E-02	4.49E-02	1.52E-05	4.60E-05	2.66E-05	2.72E-05	2.46E-05	1.10E-05	1.12E-05	5.09E-07	1.23E-05	2.71E-06	3.69E-06	5.85E-06	1.01E-06	7.41E-07	2.68E-05
5521	489970.48	3859589.4	4.40E-02	4.49E-02	4.49E-02	1.52E-05	4.60E-05	2.66E-05	2.72E-05	2.46E-05	1.10E-05	1.12E-05	5.09E-07	1.23E-05	2.71E-06	3.69E-06	5.85E-06	1.01E-06	7.41E-07	2.68E-05
5522	489865.89	3859529.06	4.68E-02	4.78E-02	4.77E-02	1.62E-05	4.89E-05	2.83E-05	2.89E-05	2.62E-05	1.17E-05	1.19E-05	5.41E-07	1.31E-05	2.88E-06	3.92E-06	6.22E-06	1.07E-06	7.87E-07	2.85E-05

5523	489826.89	3859531.74	3.61E-02	3.68E-02	3.68E-02	1.25E-05	3.77E-05	2.18E-05	2.23E-05	2.02E-05	9.03E-06	9.20E-06	4.17E-07	1.01E-05	2.22E-06	3.02E-06	4.80E-06	8.28E-07	6.07E-07	2.20E-05
5524	489410.47	3859303.06	3.47E-02	3.54E-02	3.54E-02	1.20E-05	3.63E-05	2.10E-05	2.14E-05	1.94E-05	8.69E-06	8.86E-06	4.02E-07	9.70E-06	2.14E-06	2.91E-06	4.62E-06	7.98E-07	5.85E-07	2.12E-05
5525	489407.15	3859286.09	4.09E-02	4.18E-02	4.17E-02	1.42E-05	4.28E-05	2.48E-05	2.53E-05	2.29E-05	1.02E-05	1.04E-05	4.73E-07	1.14E-05	2.52E-06	3.43E-06	5.44E-06	9.40E-07	6.89E-07	2.49E-05
5526	488806.07	3858963.62	1.64E-02	1.67E-02	1.67E-02	5.67E-06	1.71E-05	9.91E-06	1.01E-05	9.16E-06	4.10E-06	4.18E-06	1.89E-07	4.57E-06	1.01E-06	1.37E-06	2.18E-06	3.76E-07	2.75E-07	9.97E-06
5527	488817.64	3859546.3	4.97E-03	5.07E-03	5.06E-03	1.72E-06	5.19E-06	3.01E-06	3.07E-06	2.78E-06	1.24E-06	1.27E-06	5.74E-08	1.39E-06	3.06E-07	4.16E-07	6.60E-07	1.14E-07	8.36E-08	3.02E-06
5528	489187.25	3859549.52	7.76E-03	7.92E-03	7.91E-03	2.69E-06	8.11E-06	4.70E-06	4.79E-06	4.34E-06	1.94E-06	1.98E-06	8.97E-08	2.17E-06	4.78E-07	6.51E-07	1.03E-06	1.78E-07	1.31E-07	4.73E-06
5529	489187.66	3859523.74	8.18E-03	8.35E-03	8.34E-03	2.83E-06	8.55E-06	4.95E-06	5.05E-06	4.58E-06	2.05E-06	2.09E-06	9.46E-08	2.28E-06	5.04E-07	6.86E-07	1.09E-06	1.88E-07	1.38E-07	4.98E-06
5530	489232.59	3859522.85	8.80E-03	8.98E-03	8.96E-03	3.04E-06	9.19E-06	5.32E-06	5.43E-06	4.92E-06	2.20E-06	2.24E-06	1.02E-07	2.46E-06	5.42E-07	7.37E-07	1.17E-06	2.02E-07	1.48E-07	5.36E-06
5531	489224.98	3859759.91	5.70E-03	5.81E-03	5.81E-03	1.97E-06	5.96E-06	3.45E-06	3.52E-06	3.19E-06	1.43E-06	1.45E-06	6.59E-08	1.59E-06	3.51E-07	4.78E-07	7.58E-07	1.31E-07	9.59E-08	3.47E-06
5532	488401.39	3859763.34	2.74E-03	2.79E-03	2.79E-03	9.47E-07	2.86E-06	1.66E-06	1.69E-06	1.53E-06	6.85E-07	6.98E-07	3.16E-08	7.64E-07	1.69E-07	2.29E-07	3.64E-07	6.29E-08	4.61E-08	1.67E-06
5533	488405.51	3859966.16	2.44E-03	2.49E-03	2.48E-03	8.44E-07	2.55E-06	1.47E-06	1.50E-06	1.36E-06	6.10E-07	6.22E-07	2.82E-08	6.81E-07	1.50E-07	2.04E-07	3.24E-07	5.60E-08	4.10E-08	1.48E-06
5534	489202.85	3859956.57	4.37E-03	4.46E-03	4.46E-03	1.51E-06	4.57E-06	2.65E-06	2.70E-06	2.45E-06	1.09E-06	1.12E-06	5.06E-08	1.22E-06	2.69E-07	3.67E-07	5.82E-07	1.00E-07	7.36E-08	2.66E-06
5535	489191.9	3860676.74	2.25E-03	2.29E-03	2.29E-03	7.78E-07	2.35E-06	1.36E-06	1.39E-06	1.26E-06	5.63E-07	5.73E-07	2.60E-08	6.28E-07	1.39E-07	1.88E-07	2.99E-07	5.16E-08	3.78E-08	1.37E-06
5536	488392.82	3860687.88	1.66E-03	1.69E-03	1.69E-03	5.74E-07	1.73E-06	1.00E-06	1.02E-06	9.28E-07	4.15E-07	4.23E-07	1.92E-08	4.63E-07	1.02E-07	1.39E-07	2.21E-07	3.81E-08	2.79E-08	1.01E-06
5537	488392.82	3860760.27	1.61E-03	1.64E-03	1.64E-03	5.58E-07	1.68E-06	9.75E-07	9.95E-07	9.02E-07	4.03E-07	4.11E-07	1.86E-08	4.50E-07	9.93E-08	1.35E-07	2.14E-07	3.70E-08	2.71E-08	9.81E-07
5538	487549.05	3860777.45	1.16E-03	1.18E-03	1.18E-03	4.02E-07	1.21E-06	7.02E-07	7.16E-07	6.49E-07	2.90E-07	2.96E-07	1.34E-08	3.24E-07	7.15E-08	9.72E-08	1.54E-07	2.66E-08	1.95E-08	7.06E-07
5539	487554.62	3859571.83	1.65E-03	1.68E-03	1.68E-03	5.70E-07	1.72E-06	9.96E-07	1.02E-06	9.21E-07	4.12E-07	4.20E-07	1.90E-08	4.60E-07	1.01E-07	1.38E-07	2.19E-07	3.78E-08	2.77E-08	1.00E-06
5540	485949.46	3859558.54	8.62E-04	8.80E-04	8.79E-04	2.99E-07	9.01E-07	5.22E-07	5.33E-07	4.83E-07	2.16E-07	2.20E-07	9.97E-09	2.41E-07	5.31E-08	7.23E-08	1.15E-07	1.98E-08	1.45E-08	5.25E-07
5541	485947.55	3857943.61	8.71E-04	8.89E-04	8.88E-04	3.02E-07	9.11E-07	5.27E-07	5.38E-07	4.88E-07	2.18E-07	2.22E-07	1.01E-08	2.43E-07	5.37E-08	7.30E-08	1.16E-07	2.00E-08	1.47E-08	5.31E-07
5542	484738.38	3857940.21	7.75E-04	7.91E-04	7.90E-04	2.68E-07	8.10E-07	4.69E-07	4.79E-07	4.34E-07	1.94E-07	1.98E-07	8.96E-09	2.16E-07	4.78E-08	6.50E-08	1.03E-07	1.78E-08	1.30E-08	4.72E-07
5543	484737.06	3857535.68	7.71E-04	7.87E-04	7.86E-04	2.67E-07	8.06E-07	4.67E-07	4.76E-07	4.32E-07	1.93E-07	1.97E-07	8.92E-09	2.15E-07	4.75E-08	6.47E-08	1.03E-07	1.77E-08	1.30E-08	4.70E-07
5544	483730.2	3857530.13	7.44E-04	7.59E-04	7.58E-04	2.57E-07	7.77E-07	4.50E-07	4.59E-07	4.16E-07	1.86E-07	1.90E-07	8.60E-09	2.08E-07	4.58E-08	6.23E-08	9.89E-08	1.71E-08	1.25E-08	4.53E-07
5545	483727.27	3857130.01	7.66E-04	7.82E-04	7.81E-04	2.65E-07	8.01E-07	4.64E-07	4.73E-07	4.29E-07	1.92E-07	1.96E-07	8.86E-09	2.14E-07	4.72E-08	6.42E-08	1.02E-07	1.76E-08	1.29E-08	4.67E-07
5546	483124.42	3857123.45	7.51E-04	7.66E-04	7.66E-04	2.60E-07	7.85E-07	4.54E-07	4.64E-07	4.20E-07	1.88E-07	1.92E-07	8.68E-09	2.10E-07	4.63E-08	6.30E-08	9.99E-08	1.73E-08	1.26E-08	4.57E-07
5547	483111.13	3855921.03	9.82E-04	1.00E-03	1.00E-03	3.40E-07	1.03E-06	5.94E-07	6.07E-07	5.50E-07	2.46E-07	2.51E-07	1.14E-08	2.74E-07	6.05E-08	8.24E-08	1.31E-07	2.26E-08	1.65E-08	5.98E-07
5548	482701.73	3855918.24	9.74E-04	9.94E-04	9.93E-04	3.37E-07	1.02E-06	5.89E-07	6.01E-07	5.45E-07	2.44E-07	2.48E-07	1.13E-08	2.72E-07	6.00E-08	8.16E-08	1.30E-07	2.24E-08	1.64E-08	5.93E-07
5549	482668.02	3853521.78	9.81E-03	1.00E-02	1.00E-02	3.40E-06	1.03E-05	5.93E-06	6.06E-06	5.49E-06	2.45E-06	2.50E-06	1.13E-07	2.74E-06	6.04E-07	8.22E-07	1.30E-06	2.25E-07	1.65E-07	5.97E-06
5550	482579.91	3853219.19	1.97E-02	2.01E-02	2.00E-02	6.80E-06	2.05E-05	1.19E-05	1.21E-05	1.10E-05	4.92E-06	5.01E-06	2.27E-07	5.49E-06	1.21E-06	1.65E-06	2.61E-06	4.51E-07	3.31E-07	1.20E-05
5551	482434.06	3852961.94	2.69E-02	2.75E-02	2.74E-02	9.32E-06	2.81E-05	1.63E-05	1.66E-05	1.51E-05	6.74E-06	6.87E-06	3.11E-07	7.52E-06	1.66E-06	2.26E-06	3.58E-06	6.19E-07	4.53E-07	1.64E-05
5552	482332.11	3852832.85	3.11E-02	3.17E-02	3.17E-02	1.08E-05	3.25E-05	1.88E-05	1.92E-05	1.74E-05	7.78E-06	7.93E-06	3.60E-07	8.68E-06	1.92E-06	2.61E-06	4.14E-06	7.14E-07	5.23E-07	1.89E-05
5553	481334.99	3851818.96	3.12E-02	3.18E-02	3.18E-02	1.08E-05	3.26E-05	1.89E-05	1.92E-05	1.74E-05	7.80E-06	7.95E-06	3.60E-07	8.70E-06	1.92E-06	2.61E-06	4.14E-06	7.16E-07	5.24E-07	1.90E-05
5554	481127.62	3851646.36	3.28E-02	3.35E-02	3.35E-02	1.14E-05	3.43E-05	1.99E-05	2.03E-05	1.84E-05	8.22E-06	8.38E-06	3.80E-07	9.17E-06	2.02E-06	2.75E-06	4.37E-06	7.54E-07	5.53E-07	2.00E-05
5555	481025.04	3851591.73	3.07E-02	3.13E-02	3.13E-02	1.06E-05	3.21E-05	1.86E-05	1.90E-05	1.72E-05	7.68E-06	7.83E-06	3.55E-07	8.57E-06	1.89E-06	2.57E-06	4.08E-06	7.05E-07	5.16E-07	1.87E-05
5556	480513.6	3851335.76	3.08E-02	3.14E-02	3.13E-02	1.06E-05	3.21E-05	1.86E-05	1.90E-05	1.72E-05	7.70E-06	7.85E-06	3.56E-07	8.59E-06	1.89E-06	2.58E-06	4.09E-06	7.06E-07	5.17E-07	1.87E-05
5557	480523.56	3851317.66	3.61E-02	3.69E-02	3.68E-02	1.25E-05	3.78E-05	2.19E-05	2.23E-05	2.02E-05	9.04E-06	9.22E-06	4.18E-07	1.01E-05	2.23E-06	3.03E-06	4.80E-06	8.30E-07	6.08E-07	2.20E-05
5558	476921.56	3849569.11	3.82E-02	3.90E-02	3.90E-02	1.32E-05	4.00E-05	2.31E-05	2.36E-05	2.14E-05	9.57E-06	9.75E-06	4.42E-07	1.07E-05	2.36E-06	3.21E-06	5.08E-06	8.78E-07	6.43E-07	2.33E-05
5559	476521.19	3849373.96	5.09E-02	5.20E-02	5.19E-02	1.76E-05	5.32E-05	3.08E-05	3.14E-05	2.85E-05	1.27E-05	1.30E-05	5.89E-07	1.42E-05	3.14E-06	4.27E-06	6.77E-06	1.17E-06	8.57E-07	3.10E-05
5560	476391.45	3849333.38	5.22E-02	5.32E-02	5.32E-02	1.81E-05	5.45E-05	3.16E-05	3.22E-05	2.92E-05	1.31E-05	1.33E-05	6.03E-07	1.46E-05	3.21E-06	4.37E-06	6.94E-06	1.20E-06	8.78E-07	3.18E-05
5561	476219.41	3849304.29	4.98E-02	5.08E-02	5.08E-02	1.72E-05	5.21E-05	3.01E-05	3.08E-05	2.79E-05	1.25E-05	1.27E-05	5.76E-07	1.39E-05	3.07E-06	4.18E-06	6.62E-06	1.14E-06	8.38E-07	3.03E-05
5562	475679.11	3849218.47	4.39E-02	4.48E-02	4.47E-02	1.52E-05	4.58E-05	2.65E-05	2.71E-05	2.46E-05	1.10E-05	1.12E-05	5.07E-07	1.22E-05	2.70E-06	3.68E-06	5.83E-06	1.01E-06	7.38E-07	2.67E-05
5563	475677.71	3849233.88	3.62E-02	3.69E-02	3.69E-02	1.25E-05	3.78E-05	2.19E-05	2.23E-05	2.03E-05	9.06E-06	9.23E-06	4.18E-07	1.01E-05	2.23E-06	3.03E-06	4.81E-06	8.31E-07	6.09E-07	2.20E-05
5564	475492.74	3849204.66	2.30E-02	2.35E-02	2.35E-02	7.97E-06	2.41E-05	1.39E-05	1.42E-05	1.29E-05	5.76E-06	5.87E-06	2.66E-07	6.43E-06	1.42E-06	1.93E-06	3.06E-06	5.29E-07	3.87E-07	1.40E-05
5565	475497.64	3849158.75	5.62E-02	5.73E-02	5.73E-02	1.95E-05	5.87E-05	3.40E-05	3.47E-05	3.15E-05	1.41E-05	1.43E-05	6.50E-07	1.57E-05	3.46E-06	4.71E-06	7.47E-06	1.29E-06	9.46E-07	3.42E-05
5566	475391.35	3849141.94	3.84E-02	3.92E-02	3.91E-02	1.33E-05	4.01E-05	2.32E-05	2.37E-05	2.15E-05	9.61E-06	9.79E-06	4.44E-07	1.07E-05	2.36E-06	3.22E-06	5.10E-06	8.82E-07	6.46E-07	2.34E-05
5567	475277	3849095.47	3.31E-02	3.38E-02	3.37E-02	1.15E-05	3.46E-05	2.00E-05	2.04E-05	1.85E-05	8.28E-06	8.44E-06	3.82E-07	9.24E-06	2.04E-06	2.77E-06	4.40E-06	7.60E-07	5.57E-07	2.01E-05
5568	475183.93	3849025.66	3.81E-02	3.89E-02	3.88E-02	1.32E-05	3.98E-05	2.31E-05	2.35E-05	2.13E-05	9.54E-06	9.72E-06	4.40E-07	1.06E-05	2.35E-06	3.19E-06	5.07E-06	8.75E-07	6.41E-07	2.32E-05
5569	474453.23	3848378.77	4.34E-02	4.43E-02	4.43E-02	1.50E-05	4.54E-05	2.63E-05	2.68E-05	2.43E-05	1.09E-05	1.11E-05	5.02E-07	1.21E-05	2.68E-06	3.64E-06	5.77E-06	9.97E-07	7.31E-07	2.64E-05
5570	474569.63	3848399.34	8.30E-02	8.47E-02	8.46E-02	2.87E-05	8.67E-05	5.02E-05	5.12E-05	4.64E-05	2.08E-05	2.12E-05	9.59E-07	2.32E-05	5.11E-06	6.95E-06	1.10E-05	1.91E-06	1.40E-06	5.05E-05
5571	474644.33	3848464.52	7.67E-02	7.82E-02	7.81E-02	2.65E-05	8.01E-05	4.64E-05	4.73E-05	4.29E-05	1.92E-05	1.96E-05	8.86E-07	2.14E-05	4.72E-06	6.43E-06	1.02E-05	1.76E-06	1.29E-06	4.67E-05
5572	474719.04	3848529.7	9.98E-02	1.02E-01	1.02E-01	3.46E-05	1.04E-04	6.04E-05	6.16E-05	5.59E-05	2.50E-05	2.55E-05	1.15E-06	2.79E-05	6.15E-06	8.37E-06	1.33E-05	2.29E-06	1.68E-06	6.08E-05
5573	474793.74	3848594.88	8.53E-02	8.71E-02	8.70E-02	2.95E-05	8.92E-05	5.16E-05	5.27E-05	4.78E-05	2.14E-05	2.18E-05	9.87E-07	2.38E-05	5.26E-06	7.15E-06	1.13E-05	1.96E-06	1.44E-06	5.20E-05
5574	474868.45	3848660.07	9.88E-02	1.01E-01	1.01E-01	3.42E-05	1.03E-04	5.98E-05	6.10E-05	5.53E-05	2.47E-05	2.52E-05	1.14E-06	2.76E-05	6.09E-06	8.28E-06	1.31E-05	2.27E-06	1.66E-06	6.02E-05
5575	474943.15	3848725.25	9.85E-02	1.00E-01	1.00E-01	3.41E-05	1.03E-04	5.96E-05	6.08E-05	5.51E-05	2.46E-05	2.51E-05	1.14E-06	2.75E-05	6.07E-06	8.26E-06	1.31E-05	2.26E-06	1.66E-06	6.00E-05
5576	475017.86	3848790.43	9.92E-02	1.01E-01	1.01E-01	3.44E-05	1.04E-04	6.01E-05	6.13E-05	5.55E-05	2.48E-05	2.53E-05	1.15E-06	2.77E-05	6.12E-06	8.32E-06	1.32E-05	2.28E-06	1.67E-06	6.04E-05
5577	475092.56	3848855.61	9.92E-02	1.01E-01	1.01E-01	3.43E-05	1.04E-04	6.00E-05	6.13E-05	5.55E-05	2.48E-05	2.53E-05	1.15E-06	2.77E-05	6.11E-06	8.32E-06	1.32E-05	2.28E-06	1.67E-06	6.04E-05
5578	475232.58	3848959.38	9.56E-02	9.76E-02	9.74E-02	3.31E-05	9.99E-05	5.78E-05	5.90E-05	5.35E-05	2.39E-05	2.44E-05	1.11E-06	2.67E-05	5.89E-06	8.01E-06	1.27E-05	2.20E-06	1.61E-06	5.82E-05
5579	475368.47	3849029.98	9.78E-02	9.98E-02	9.96E-02	3.38E-05	1.02E-04	5.92E-05	6.04E-05	5.47E-05	2.45E-05	2.49E-05	1.13E-06	2.73E-05	6.02E-06	8.20E-06	1.30E-05	2.25E-06	1.65E-06	5.95E-05

5580	475609.57	3849096.09	8.23E-02	8.40E-02	8.39E-02	2.85E-05	8.61E-05	4.98E-05	5.08E-05	4.61E-05	2.06E-05	2.10E-05	9.52E-07	2.30E-05	5.07E-06	6.90E-06	1.10E-05	1.89E-06	1.39E-06	5.02E-05
5581	475680.68	3849116.62	9.12E-02	9.30E-02	9.29E-02	3.16E-05	9.53E-05	5.52E-05	5.63E-05	5.10E-05	2.28E-05	2.33E-05	1.05E-06	2.55E-05	5.62E-06	7.64E-06	1.21E-05	2.09E-06	1.53E-06	5.55E-05
5582	475843.76	3849151.52	1.09E-01	1.11E-01	1.11E-01	3.78E-05	1.14E-04	6.60E-05	6.74E-05	6.11E-05	2.73E-05	2.78E-05	1.26E-06	3.05E-05	6.72E-06	9.14E-06	1.45E-05	2.51E-06	1.84E-06	6.64E-05
5583	475935.73	3849165.89	1.05E-01	1.07E-01	1.07E-01	3.62E-05	1.09E-04	6.33E-05	6.45E-05	5.85E-05	2.62E-05	2.67E-05	1.21E-06	2.92E-05	6.44E-06	8.76E-06	1.39E-05	2.40E-06	1.76E-06	6.37E-05
5584	476027.71	3849180.27	1.06E-01	1.08E-01	1.08E-01	3.67E-05	1.11E-04	6.41E-05	6.54E-05	5.93E-05	2.65E-05	2.70E-05	1.22E-06	2.96E-05	6.53E-06	8.88E-06	1.41E-05	2.43E-06	1.78E-06	6.45E-05
5585	476119.68	3849194.64	1.19E-01	1.22E-01	1.22E-01	4.14E-05	1.25E-04	7.23E-05	7.38E-05	6.69E-05	2.99E-05	3.05E-05	1.38E-06	3.34E-05	7.36E-06	1.00E-05	1.59E-05	2.74E-06	2.01E-06	7.27E-05
5586	476211.65	3849209.01	1.24E-01	1.27E-01	1.27E-01	4.30E-05	1.30E-04	7.52E-05	7.67E-05	6.96E-05	3.11E-05	3.17E-05	1.44E-06	3.47E-05	7.66E-06	1.04E-05	1.65E-05	2.86E-06	2.09E-06	7.57E-05
5587	476497.81	3849283.9	1.16E-01	1.18E-01	1.18E-01	4.01E-05	1.21E-04	7.01E-05	7.15E-05	6.48E-05	2.90E-05	2.95E-05	1.34E-06	3.23E-05	7.13E-06	9.71E-06	1.54E-05	2.66E-06	1.95E-06	7.05E-05
5588	476603.73	3849323.77	1.24E-01	1.26E-01	1.26E-01	4.28E-05	1.29E-04	7.48E-05	7.63E-05	6.92E-05	3.09E-05	3.15E-05	1.43E-06	3.45E-05	7.62E-06	1.04E-05	1.64E-05	2.84E-06	2.08E-06	7.53E-05
5589	476728.99	3849382.76	9.63E-02	9.83E-02	9.81E-02	3.33E-05	1.01E-04	5.83E-05	5.95E-05	5.39E-05	2.41E-05	2.46E-05	1.11E-06	2.69E-05	5.93E-06	8.07E-06	1.28E-05	2.21E-06	1.62E-06	5.86E-05
5590	476801.27	3849418.65	1.01E-01	1.03E-01	1.03E-01	3.50E-05	1.06E-04	6.12E-05	6.24E-05	5.66E-05	2.53E-05	2.58E-05	1.17E-06	2.82E-05	6.23E-06	8.48E-06	1.34E-05	2.32E-06	1.70E-06	6.16E-05
5591	476956.2	3849495.05	1.10E-01	1.12E-01	1.12E-01	3.80E-05	1.15E-04	6.65E-05	6.78E-05	6.15E-05	2.75E-05	2.80E-05	1.27E-06	3.07E-05	6.77E-06	9.21E-06	1.46E-05	2.52E-06	1.85E-06	6.69E-05
5592	477038.84	3849535.56	1.03E-01	1.05E-01	1.05E-01	3.57E-05	1.08E-04	6.24E-05	6.37E-05	5.77E-05	2.58E-05	2.63E-05	1.19E-06	2.88E-05	6.35E-06	8.64E-06	1.37E-05	2.37E-06	1.73E-06	6.28E-05
5593	477121.49	3849576.08	1.01E-01	1.03E-01	1.03E-01	3.50E-05	1.06E-04	6.12E-05	6.25E-05	5.66E-05	2.53E-05	2.58E-05	1.17E-06	2.82E-05	6.23E-06	8.48E-06	1.35E-05	2.32E-06	1.70E-06	6.16E-05
5594	477204.13	3849616.6	9.85E-02	1.00E-01	1.00E-01	3.41E-05	1.03E-04	5.96E-05	6.08E-05	5.51E-05	2.46E-05	2.51E-05	1.14E-06	2.75E-05	6.07E-06	8.25E-06	1.31E-05	2.26E-06	1.66E-06	6.00E-05
5595	477286.78	3849657.12	9.20E-02	9.38E-02	9.37E-02	3.18E-05	9.61E-05	5.56E-05	5.68E-05	5.15E-05	2.30E-05	2.35E-05	1.06E-06	2.57E-05	5.67E-06	7.71E-06	1.22E-05	2.11E-06	1.55E-06	5.60E-05
5596	477369.42	3849697.63	8.94E-02	9.12E-02	9.11E-02	3.09E-05	9.34E-05	5.41E-05	5.52E-05	5.00E-05	2.24E-05	2.28E-05	1.03E-06	2.50E-05	5.51E-06	7.49E-06	1.19E-05	2.05E-06	1.50E-06	5.44E-05
5597	477452.07	3849738.15	9.10E-02	9.28E-02	9.27E-02	3.15E-05	9.51E-05	5.51E-05	5.62E-05	5.09E-05	2.28E-05	2.32E-05	1.05E-06	2.54E-05	5.61E-06	7.63E-06	1.21E-05	2.09E-06	1.53E-06	5.54E-05
5598	477534.71	3849778.67	8.71E-02	8.89E-02	8.88E-02	3.02E-05	9.11E-05	5.27E-05	5.38E-05	4.88E-05	2.18E-05	2.22E-05	1.01E-06	2.43E-05	5.37E-06	7.30E-06	1.16E-05	2.00E-06	1.47E-06	5.31E-05
5599	477617.36	3849819.18	8.67E-02	8.84E-02	8.83E-02	3.00E-05	9.06E-05	5.24E-05	5.35E-05	4.85E-05	2.17E-05	2.21E-05	1.00E-06	2.42E-05	5.34E-06	7.26E-06	1.15E-05	1.99E-06	1.46E-06	5.28E-05
5600	477824.74	3849896.37	1.09E-01	1.11E-01	1.11E-01	3.78E-05	1.14E-04	6.60E-05	6.74E-05	6.11E-05	2.73E-05	2.78E-05	1.26E-06	3.05E-05	6.72E-06	9.15E-06	1.45E-05	2.51E-06	1.84E-06	6.64E-05
5601	477906.31	3849936.37	1.17E-01	1.19E-01	1.19E-01	4.04E-05	1.22E-04	7.07E-05	7.21E-05	6.54E-05	2.92E-05	2.98E-05	1.35E-06	3.26E-05	7.20E-06	9.79E-06	1.55E-05	2.68E-06	1.97E-06	7.11E-05
5602	477987.89	3849976.36	1.14E-01	1.16E-01	1.16E-01	3.93E-05	1.19E-04	6.87E-05	7.01E-05	6.35E-05	2.84E-05	2.90E-05	1.31E-06	3.17E-05	6.99E-06	9.51E-06	1.51E-05	2.61E-06	1.91E-06	6.91E-05
5603	478069.47	3850016.36	1.18E-01	1.20E-01	1.20E-01	4.09E-05	1.23E-04	7.14E-05	7.29E-05	6.61E-05	2.95E-05	3.01E-05	1.36E-06	3.30E-05	7.27E-06	9.90E-06	1.57E-05	2.71E-06	1.99E-06	7.19E-05
5604	478151.04	3850056.35	1.06E-01	1.08E-01	1.08E-01	3.65E-05	1.10E-04	6.38E-05	6.51E-05	5.91E-05	2.64E-05	2.69E-05	1.22E-06	2.95E-05	6.50E-06	8.85E-06	1.40E-05	2.42E-06	1.78E-06	6.43E-05
5605	478232.62	3850096.35	1.06E-01	1.08E-01	1.08E-01	3.67E-05	1.11E-04	6.42E-05	6.55E-05	5.93E-05	2.65E-05	2.70E-05	1.23E-06	2.96E-05	6.53E-06	8.89E-06	1.41E-05	2.44E-06	1.78E-06	6.46E-05
5606	478314.2	3850136.34	1.06E-01	1.08E-01	1.08E-01	3.66E-05	1.11E-04	6.40E-05	6.53E-05	5.92E-05	2.65E-05	2.70E-05	1.22E-06	2.95E-05	6.51E-06	8.86E-06	1.41E-05	2.43E-06	1.78E-06	6.44E-05
5607	478395.77	3850176.34	1.05E-01	1.07E-01	1.07E-01	3.64E-05	1.10E-04	6.36E-05	6.49E-05	5.88E-05	2.63E-05	2.68E-05	1.21E-06	2.93E-05	6.47E-06	8.81E-06	1.40E-05	2.41E-06	1.77E-06	6.40E-05
5608	478575.43	3850244.45	9.63E-02	9.83E-02	9.81E-02	3.33E-05	1.01E-04	5.83E-05	5.95E-05	5.39E-05	2.41E-05	2.46E-05	1.11E-06	2.69E-05	5.93E-06	8.07E-06	1.28E-05	2.21E-06	1.62E-06	5.86E-05
5609	478665.06	3850287.29	9.56E-02	9.76E-02	9.75E-02	3.31E-05	1.00E-04	5.79E-05	5.91E-05	5.35E-05	2.39E-05	2.44E-05	1.11E-06	2.67E-05	5.89E-06	8.02E-06	1.27E-05	2.20E-06	1.61E-06	5.82E-05
5610	478754.69	3850330.14	9.47E-02	9.66E-02	9.65E-02	3.28E-05	9.90E-05	5.73E-05	5.85E-05	5.30E-05	2.37E-05	2.42E-05	1.09E-06	2.64E-05	5.84E-06	7.94E-06	1.26E-05	2.18E-06	1.59E-06	5.77E-05
5611	478844.32	3850372.99	9.25E-02	9.44E-02	9.43E-02	3.20E-05	9.67E-05	5.60E-05	5.71E-05	5.18E-05	2.32E-05	2.36E-05	1.07E-06	2.58E-05	5.70E-06	7.76E-06	1.23E-05	2.13E-06	1.56E-06	5.64E-05
5612	478933.95	3850415.84	8.95E-02	9.13E-02	9.12E-02	3.10E-05	9.35E-05	5.41E-05	5.52E-05	5.01E-05	2.24E-05	2.28E-05	1.03E-06	2.50E-05	5.51E-06	7.50E-06	1.19E-05	2.05E-06	1.51E-06	5.45E-05
5613	479023.58	3850458.68	9.27E-02	9.46E-02	9.45E-02	3.21E-05	9.69E-05	5.61E-05	5.72E-05	5.19E-05	2.32E-05	2.36E-05	1.07E-06	2.59E-05	5.71E-06	7.77E-06	1.23E-05	2.13E-06	1.56E-06	5.65E-05
5614	479110.66	3850441.91	5.87E-02	5.99E-02	5.98E-02	2.03E-05	6.13E-05	3.55E-05	3.62E-05	3.28E-05	1.47E-05	1.50E-05	6.78E-07	1.64E-05	3.62E-06	4.92E-06	7.80E-06	1.35E-06	9.87E-07	3.57E-05
5615	479191.22	3850423.99	4.47E-02	4.56E-02	4.56E-02	1.55E-05	4.67E-05	2.71E-05	2.76E-05	2.50E-05	1.12E-05	1.14E-05	5.17E-07	1.25E-05	2.75E-06	3.75E-06	5.95E-06	1.03E-06	7.52E-07	2.72E-05
5616	479274.32	3850465.71	4.54E-02	4.64E-02	4.63E-02	1.57E-05	4.75E-05	2.75E-05	2.80E-05	2.54E-05	1.14E-05	1.16E-05	5.25E-07	1.27E-05	2.80E-06	3.81E-06	6.04E-06	1.04E-06	7.64E-07	2.77E-05
5617	479357.43	3850507.42	4.64E-02	4.73E-02	4.73E-02	1.61E-05	4.85E-05	2.81E-05	2.86E-05	2.60E-05	1.16E-05	1.18E-05	5.36E-07	1.29E-05	2.86E-06	3.89E-06	6.17E-06	1.07E-06	7.80E-07	2.82E-05
5618	479440.53	3850549.14	4.66E-02	4.76E-02	4.75E-02	1.61E-05	4.87E-05	2.82E-05	2.88E-05	2.61E-05	1.17E-05	1.19E-05	5.39E-07	1.30E-05	2.87E-06	3.91E-06	6.20E-06	1.07E-06	7.84E-07	2.84E-05
5619	479523.64	3850590.85	4.67E-02	4.77E-02	4.76E-02	1.62E-05	4.88E-05	2.83E-05	2.89E-05	2.62E-05	1.17E-05	1.19E-05	5.40E-07	1.30E-05	2.88E-06	3.92E-06	6.21E-06	1.07E-06	7.86E-07	2.85E-05
5620	479606.74	3850632.57	4.71E-02	4.80E-02	4.80E-02	1.63E-05	4.92E-05	2.85E-05	2.91E-05	2.64E-05	1.18E-05	1.20E-05	5.44E-07	1.31E-05	2.90E-06	3.95E-06	6.26E-06	1.08E-06	7.92E-07	2.87E-05
5621	479777.37	3850707.61	4.53E-02	4.63E-02	4.62E-02	1.57E-05	4.74E-05	2.74E-05	2.80E-05	2.54E-05	1.13E-05	1.16E-05	5.24E-07	1.27E-05	2.79E-06	3.80E-06	6.03E-06	1.04E-06	7.63E-07	2.76E-05
5622	479864.9	3850740.95	4.38E-02	4.47E-02	4.46E-02	1.52E-05	4.58E-05	2.65E-05	2.70E-05	2.45E-05	1.10E-05	1.12E-05	5.06E-07	1.22E-05	2.70E-06	3.67E-06	5.82E-06	1.01E-06	7.37E-07	2.67E-05
5623	479931.87	3850829.57	5.72E-02	5.83E-02	5.83E-02	1.98E-05	5.98E-05	3.46E-05	3.53E-05	3.20E-05	1.43E-05	1.46E-05	6.61E-07	1.60E-05	3.52E-06	4.79E-06	7.60E-06	1.31E-06	9.62E-07	3.48E-05
5624	479995.55	3850926.75	9.13E-02	9.32E-02	9.30E-02	3.16E-05	9.54E-05	5.52E-05	5.64E-05	5.11E-05	2.28E-05	2.33E-05	1.06E-06	2.55E-05	5.62E-06	7.65E-06	1.21E-05	2.10E-06	1.54E-06	5.56E-05
5625	480079.78	3850968.64	9.11E-02	9.30E-02	9.29E-02	3.15E-05	9.52E-05	5.51E-05	5.63E-05	5.10E-05	2.28E-05	2.32E-05	1.05E-06	2.54E-05	5.61E-06	7.64E-06	1.21E-05	2.09E-06	1.53E-06	5.55E-05
5626	480164.01	3851010.54	9.07E-02	9.26E-02	9.25E-02	3.14E-05	9.48E-05	5.49E-05	5.60E-05	5.08E-05	2.27E-05	2.31E-05	1.05E-06	2.53E-05	5.59E-06	7.61E-06	1.21E-05	2.08E-06	1.53E-06	5.53E-05
5627	480248.23	3851052.43	8.98E-02	9.16E-02	9.15E-02	3.11E-05	9.38E-05	5.43E-05	5.54E-05	5.02E-05	2.25E-05	2.29E-05	1.04E-06	2.51E-05	5.53E-06	7.53E-06	1.19E-05	2.06E-06	1.51E-06	5.47E-05
5628	480332.46	3851094.33	9.09E-02	9.27E-02	9.26E-02	3.14E-05	9.50E-05	5.50E-05	5.61E-05	5.08E-05	2.27E-05	2.32E-05	1.05E-06	2.54E-05	5.60E-06	7.62E-06	1.21E-05	2.09E-06	1.53E-06	5.53E-05
5629	480416.69	3851136.22	9.55E-02	9.75E-02	9.74E-02	3.31E-05	9.98E-05	5.78E-05	5.90E-05	5.35E-05	2.39E-05	2.44E-05	1.10E-06	2.67E-05	5.89E-06	8.01E-06	1.27E-05	2.19E-06	1.61E-06	5.82E-05
5630	480579.95	3851215.17	9.76E-02	9.95E-02	9.94E-02	3.38E-05	1.02E-04	5.90E-05	6.02E-05	5.46E-05	2.44E-05	2.49E-05	1.13E-06	2.72E-05	6.01E-06	8.18E-06	1.30E-05	2.24E-06	1.64E-06	5.94E-05
5631	480658.98	3851252.22	9.66E-02	9.85E-02	9.84E-02	3.34E-05	1.01E-04	5.84E-05	5.96E-05	5.41E-05	2.42E-05	2.46E-05	1.12E-06	2.70E-05	5.95E-06	8.10E-06	1.28E-05	2.22E-06	1.62E-06	5.88E-05
5632	480817.36	3851327.85	9.54E-02	9.74E-02	9.73E-02	3.30E-05	9.97E-05	5.77E-05	5.89E-05	5.34E-05	2.39E-05	2.43E-05	1.10E-06	2.66E-05	5.88E-06	8.00E-06	1.27E-05	2.19E-06	1.61E-06	5.81E-05
5633	480896.72	3851366.43	9.59E-02	9.79E-02	9.78E-02	3.32E-05	1.00E-04	5.80E-05	5.92E-05	5.37E-05	2.40E-05	2.45E-05	1.11E-06	2.68E-05	5.91E-06	8.04E-06	1.28E-05	2.20E-06	1.61E-06	5.84E-05
5634	480976.07	3851405	9.57E-02	9.77E-02	9.76E-02	3.31E-05	1.00E-04	5.79E-05	5.91E-05	5.36E-05	2.40E-05	2.44E-05	1.11E-06	2.67E-05	5.90E-06	8.03E-06	1.27E-05	2.20E-06	1.61E-06	5.83E-05
5635	481178	3851487.31	7.20E-02	7.34E-02	7.33E-02	2.49E-05	7.52E-05	4.35E-05	4.44E-05	4.03E-05	1.80E-05	1.84E-05	8.32E-07	2.01E-05	4.43E-06	6.03E-06	9.57E-06	1.65E-06	1.21E-06	4.38E-05
5636	481244.9	3851557.17	7.96E-02	8.13E-02	8.12E-02	2.76E-05	8.32E-05	4.82E-05	4.92E-05	4.46E-05	1.99E-05	2.03E-05	9.20E-07	2.22E-05	4.91E-06	6.68E-06	1.06E-05	1.83E-06	1.34E-06	4.85E-05

5637	481311.81	3851627.03	8.82E-02	9.00E-02	8.99E-02	3.05E-05	9.22E-05	5.34E-05	5.45E-05	4.94E-05	2.21E-05	2.25E-05	1.02E-06	2.46E-05	5.44E-06	7.40E-06	1.17E-05	2.03E-06	1.48E-06	5.37E-05
5638	481378.71	3851696.89	8.99E-02	9.18E-02	9.16E-02	3.11E-05	9.40E-05	5.44E-05	5.55E-05	5.03E-05	2.25E-05	2.29E-05	1.04E-06	2.51E-05	5.54E-06	7.54E-06	1.20E-05	2.07E-06	1.51E-06	5.48E-05
5639	481445.61	3851766.76	9.40E-02	9.59E-02	9.58E-02	3.25E-05	9.83E-05	5.69E-05	5.81E-05	5.26E-05	2.35E-05	2.40E-05	1.09E-06	2.63E-05	5.79E-06	7.88E-06	1.25E-05	2.16E-06	1.58E-06	5.73E-05
5640	481512.51	3851836.62	9.45E-02	9.64E-02	9.63E-02	3.27E-05	9.88E-05	5.72E-05	5.83E-05	5.29E-05	2.36E-05	2.41E-05	1.09E-06	2.64E-05	5.82E-06	7.92E-06	1.26E-05	2.17E-06	1.59E-06	5.75E-05
5641	481579.42	3851906.48	9.35E-02	9.54E-02	9.53E-02	3.24E-05	9.77E-05	5.66E-05	5.77E-05	5.23E-05	2.34E-05	2.38E-05	1.08E-06	2.61E-05	5.76E-06	7.84E-06	1.24E-05	2.15E-06	1.57E-06	5.69E-05
5642	481646.32	3851976.34	9.34E-02	9.53E-02	9.52E-02	3.23E-05	9.77E-05	5.65E-05	5.77E-05	5.23E-05	2.34E-05	2.38E-05	1.08E-06	2.61E-05	5.76E-06	7.83E-06	1.24E-05	2.15E-06	1.57E-06	5.69E-05
5643	481713.22	3852046.2	9.27E-02	9.46E-02	9.45E-02	3.21E-05	9.69E-05	5.61E-05	5.73E-05	5.19E-05	2.32E-05	2.37E-05	1.07E-06	2.59E-05	5.71E-06	7.77E-06	1.23E-05	2.13E-06	1.56E-06	5.65E-05
5644	481780.12	3852116.06	9.31E-02	9.50E-02	9.49E-02	3.22E-05	9.73E-05	5.63E-05	5.75E-05	5.21E-05	2.33E-05	2.37E-05	1.08E-06	2.60E-05	5.73E-06	7.80E-06	1.24E-05	2.14E-06	1.57E-06	5.67E-05
5645	481847.03	3852185.92	9.31E-02	9.50E-02	9.49E-02	3.22E-05	9.73E-05	5.64E-05	5.75E-05	5.21E-05	2.33E-05	2.38E-05	1.08E-06	2.60E-05	5.74E-06	7.81E-06	1.24E-05	2.14E-06	1.57E-06	5.67E-05
5646	481913.93	3852255.78	9.25E-02	9.44E-02	9.43E-02	3.20E-05	9.67E-05	5.60E-05	5.71E-05	5.18E-05	2.32E-05	2.36E-05	1.07E-06	2.58E-05	5.70E-06	7.76E-06	1.23E-05	2.13E-06	1.56E-06	5.64E-05
5647	481980.83	3852325.65	8.78E-02	8.96E-02	8.95E-02	3.04E-05	9.18E-05	5.31E-05	5.42E-05	4.91E-05	2.20E-05	2.24E-05	1.01E-06	2.45E-05	5.41E-06	7.36E-06	1.17E-05	2.02E-06	1.48E-06	5.35E-05
5648	482047.73	3852395.51	8.95E-02	9.13E-02	9.12E-02	3.10E-05	9.35E-05	5.41E-05	5.52E-05	5.01E-05	2.24E-05	2.28E-05	1.03E-06	2.50E-05	5.51E-06	7.50E-06	1.19E-05	2.06E-06	1.51E-06	5.45E-05
5649	482114.64	3852465.37	8.61E-02	8.79E-02	8.78E-02	2.98E-05	9.00E-05	5.21E-05	5.32E-05	4.82E-05	2.15E-05	2.20E-05	9.95E-07	2.40E-05	5.30E-06	7.22E-06	1.14E-05	1.98E-06	1.45E-06	5.24E-05
5650	482181.54	3852535.23	8.92E-02	9.10E-02	9.09E-02	3.09E-05	9.32E-05	5.40E-05	5.51E-05	4.99E-05	2.23E-05	2.28E-05	1.03E-06	2.49E-05	5.50E-06	7.48E-06	1.19E-05	2.05E-06	1.50E-06	5.43E-05
5651	482338.69	3852700.05	9.07E-02	9.26E-02	9.25E-02	3.14E-05	9.48E-05	5.49E-05	5.60E-05	5.08E-05	2.27E-05	2.31E-05	1.05E-06	2.53E-05	5.59E-06	7.60E-06	1.21E-05	2.08E-06	1.53E-06	5.52E-05
5652	482404.05	3852767.78	9.02E-02	9.20E-02	9.19E-02	3.12E-05	9.42E-05	5.46E-05	5.57E-05	5.05E-05	2.26E-05	2.30E-05	1.04E-06	2.52E-05	5.55E-06	7.56E-06	1.20E-05	2.07E-06	1.52E-06	5.49E-05
5653	482469.4	3852835.52	9.12E-02	9.31E-02	9.29E-02	3.16E-05	9.53E-05	5.52E-05	5.63E-05	5.10E-05	2.28E-05	2.33E-05	1.05E-06	2.55E-05	5.62E-06	7.64E-06	1.21E-05	2.09E-06	1.53E-06	5.55E-05
5654	482534.75	3852903.25	9.05E-02	9.23E-02	9.22E-02	3.13E-05	9.46E-05	5.48E-05	5.59E-05	5.07E-05	2.26E-05	2.31E-05	1.05E-06	2.53E-05	5.58E-06	7.59E-06	1.20E-05	2.08E-06	1.52E-06	5.51E-05
5655	482600.11	3852970.99	8.41E-02	8.58E-02	8.57E-02	2.91E-05	8.79E-05	5.09E-05	5.19E-05	4.71E-05	2.10E-05	2.15E-05	9.72E-07	2.35E-05	5.18E-06	7.05E-06	1.12E-05	1.93E-06	1.42E-06	5.12E-05
5656	482706.71	3853119.28	7.85E-02	8.02E-02	8.01E-02	2.72E-05	8.21E-05	4.75E-05	4.85E-05	4.40E-05	1.97E-05	2.00E-05	9.08E-07	2.19E-05	4.84E-06	6.58E-06	1.04E-05	1.80E-06	1.32E-06	4.78E-05
5657	482747.96	3853199.84	7.95E-02	8.11E-02	8.10E-02	2.75E-05	8.31E-05	4.81E-05	4.91E-05	4.45E-05	1.99E-05	2.03E-05	9.19E-07	2.22E-05	4.90E-06	6.67E-06	1.06E-05	1.83E-06	1.34E-06	4.84E-05
5658	482789.21	3853280.4	7.36E-02	7.51E-02	7.50E-02	2.55E-05	7.69E-05	4.45E-05	4.54E-05	4.12E-05	1.84E-05	1.88E-05	8.50E-07	2.05E-05	4.53E-06	6.17E-06	9.78E-06	1.69E-06	1.24E-06	4.48E-05
5659	482830.46	3853360.96	6.63E-02	6.77E-02	6.76E-02	2.30E-05	6.93E-05	4.01E-05	4.10E-05	3.71E-05	1.66E-05	1.69E-05	7.67E-07	1.85E-05	4.09E-06	5.56E-06	8.82E-06	1.52E-06	1.12E-06	4.04E-05
5660	482871.71	3853441.52	5.54E-02	5.65E-02	5.64E-02	1.92E-05	5.79E-05	3.35E-05	3.42E-05	3.10E-05	1.39E-05	1.41E-05	6.40E-07	1.55E-05	3.41E-06	4.64E-06	7.36E-06	1.27E-06	9.32E-07	3.37E-05
5661	482912.95	3853522.07	1.54E-02	1.57E-02	1.57E-02	5.33E-06	1.61E-05	9.31E-06	9.50E-06	8.61E-06	3.85E-06	3.92E-06	1.78E-07	4.30E-06	9.48E-07	1.29E-06	2.05E-06	3.53E-07	2.59E-07	9.37E-06
5662	482954.2	3853602.63	7.93E-03	8.09E-03	8.08E-03	2.74E-06	8.29E-06	4.80E-06	4.89E-06	4.44E-06	1.98E-06	2.02E-06	9.16E-08	2.21E-06	4.88E-07	6.65E-07	1.05E-06	1.82E-07	1.33E-07	4.83E-06
5663	482995.45	3853683.19	5.71E-03	5.82E-03	5.82E-03	1.98E-06	5.96E-06	3.45E-06	3.52E-06	3.19E-06	1.43E-06	1.46E-06	6.60E-08	1.59E-06	3.52E-07	4.78E-07	7.59E-07	1.31E-07	9.60E-08	3.47E-06
5664	483036.7	3853763.75	4.56E-03	4.65E-03	4.65E-03	1.58E-06	4.77E-06	2.76E-06	2.82E-06	2.55E-06	1.14E-06	1.16E-06	5.27E-08	1.27E-06	2.81E-07	3.82E-07	6.07E-07	1.05E-07	7.67E-08	2.78E-06
5665	483214.2	3853909.91	3.31E-03	3.37E-03	3.37E-03	1.14E-06	3.46E-06	2.00E-06	2.04E-06	1.85E-06	8.28E-07	8.43E-07	3.82E-08	9.23E-07	2.04E-07	2.77E-07	4.40E-07	7.59E-08	5.56E-08	2.01E-06
5666	483307.01	3853910.44	3.35E-03	3.42E-03	3.42E-03	1.16E-06	3.50E-06	2.03E-06	2.07E-06	1.88E-06	8.39E-07	8.55E-07	3.87E-08	9.36E-07	2.06E-07	2.81E-07	4.46E-07	7.70E-08	5.64E-08	2.04E-06
5667	483399.83	3853910.96	3.34E-03	3.41E-03	3.40E-03	1.16E-06	3.49E-06	2.02E-06	2.06E-06	1.87E-06	8.36E-07	8.52E-07	3.86E-08	9.32E-07	2.06E-07	2.80E-07	4.44E-07	7.67E-08	5.62E-08	2.03E-06
5668	483494.52	3854009.24	2.93E-03	2.99E-03	2.99E-03	1.02E-06	3.07E-06	1.78E-06	1.81E-06	1.64E-06	7.34E-07	7.49E-07	3.39E-08	8.19E-07	1.81E-07	2.46E-07	3.90E-07	6.74E-08	4.94E-08	1.79E-06
5669	483496.41	3854106.98	2.63E-03	2.68E-03	2.68E-03	9.09E-07	2.75E-06	1.59E-06	1.62E-06	1.47E-06	6.57E-07	6.70E-07	3.04E-08	7.33E-07	1.62E-07	2.20E-07	3.49E-07	6.03E-08	4.42E-08	1.60E-06
5670	483577.56	3854261.96	2.19E-03	2.23E-03	2.23E-03	7.57E-07	2.29E-06	1.32E-06	1.35E-06	1.22E-06	5.47E-07	5.58E-07	2.53E-08	6.11E-07	1.35E-07	1.83E-07	2.91E-07	5.02E-08	3.68E-08	1.33E-06
5671	483656.83	3854319.19	2.04E-03	2.08E-03	2.08E-03	7.05E-07	2.13E-06	1.23E-06	1.26E-06	1.14E-06	5.10E-07	5.20E-07	2.35E-08	5.69E-07	1.25E-07	1.71E-07	2.71E-07	4.68E-08	3.43E-08	1.24E-06
5672	483736.1	3854376.41	1.90E-03	1.94E-03	1.93E-03	6.57E-07	1.98E-06	1.15E-06	1.17E-06	1.06E-06	4.75E-07	4.84E-07	2.19E-08	5.30E-07	1.17E-07	1.59E-07	2.52E-07	4.36E-08	3.19E-08	1.16E-06
5673	483815.37	3854433.64	1.77E-03	1.81E-03	1.80E-03	6.13E-07	1.85E-06	1.07E-06	1.09E-06	9.91E-07	4.43E-07	4.51E-07	2.05E-08	4.94E-07	1.09E-07	1.48E-07	2.35E-07	4.06E-08	2.98E-08	1.08E-06
5674	483894.63	3854490.87	1.65E-03	1.68E-03	1.68E-03	5.70E-07	1.72E-06	9.97E-07	1.02E-06	9.22E-07	4.12E-07	4.20E-07	1.90E-08	4.60E-07	1.02E-07	1.38E-07	2.19E-07	3.78E-08	2.77E-08	1.00E-06
5675	483973.9	3854548.1	1.54E-03	1.57E-03	1.57E-03	5.33E-07	1.61E-06	9.31E-07	9.50E-07	8.62E-07	3.85E-07	3.93E-07	1.78E-08	4.30E-07	9.48E-08	1.29E-07	2.05E-07	3.54E-08	2.59E-08	9.37E-07
5676	484053.17	3854605.32	1.46E-03	1.49E-03	1.49E-03	5.06E-07	1.53E-06	8.84E-07	9.02E-07	8.18E-07	3.66E-07	3.73E-07	1.69E-08	4.08E-07	9.00E-08	1.22E-07	1.94E-07	3.36E-08	2.46E-08	8.90E-07
5677	484214.97	3854698.15	1.37E-03	1.40E-03	1.40E-03	4.75E-07	1.43E-06	8.30E-07	8.47E-07	7.68E-07	3.44E-07	3.50E-07	1.59E-08	3.83E-07	8.46E-08	1.15E-07	1.83E-07	3.15E-08	2.31E-08	8.36E-07
5678	484297.5	3854733.74	1.38E-03	1.41E-03	1.40E-03	4.77E-07	1.44E-06	8.34E-07	8.51E-07	7.71E-07	3.45E-07	3.51E-07	1.59E-08	3.85E-07	8.49E-08	1.15E-07	1.83E-07	3.16E-08	2.32E-08	8.39E-07
5679	484380.03	3854769.34	1.36E-03	1.38E-03	1.38E-03	4.70E-07	1.42E-06	8.21E-07	8.38E-07	7.59E-07	3.40E-07	3.46E-07	1.57E-08	3.79E-07	8.36E-08	1.14E-07	1.80E-07	3.12E-08	2.28E-08	8.26E-07
5680	484462.56	3854804.94	1.36E-03	1.38E-03	1.38E-03	4.70E-07	1.42E-06	8.21E-07	8.37E-07	7.59E-07	3.39E-07	3.46E-07	1.57E-08	3.79E-07	8.36E-08	1.14E-07	1.80E-07	3.12E-08	2.28E-08	8.26E-07
5681	484545.09	3854840.53	1.33E-03	1.36E-03	1.36E-03	4.61E-07	1.39E-06	8.05E-07	8.21E-07	7.45E-07	3.33E-07	3.39E-07	1.54E-08	3.71E-07	8.20E-08	1.12E-07	1.77E-07	3.06E-08	2.24E-08	8.10E-07
5682	484691.88	3854912.59	1.33E-03	1.36E-03	1.35E-03	4.60E-07	1.39E-06	8.04E-07	8.20E-07	7.43E-07	3.32E-07	3.39E-07	1.54E-08	3.71E-07	8.18E-08	1.11E-07	1.77E-07	3.05E-08	2.23E-08	8.09E-07
5683	484830.81	3855012.51	1.30E-03	1.33E-03	1.32E-03	4.50E-07	1.36E-06	7.86E-07	8.02E-07	7.27E-07	3.25E-07	3.31E-07	1.50E-08	3.63E-07	8.01E-08	1.09E-07	1.73E-07	2.98E-08	2.19E-08	7.91E-07
5684	484905.48	3855075.97	1.29E-03	1.32E-03	1.32E-03	4.47E-07	1.35E-06	7.81E-07	7.97E-07	7.23E-07	3.23E-07	3.29E-07	1.49E-08	3.61E-07	7.96E-08	1.08E-07	1.72E-07	2.97E-08	2.17E-08	7.87E-07
5685	484980.14	3855139.44	1.27E-03	1.30E-03	1.30E-03	4.40E-07	1.33E-06	7.69E-07	7.85E-07	7.11E-07	3.18E-07	3.24E-07	1.47E-08	3.55E-07	7.83E-08	1.07E-07	1.69E-07	2.92E-08	2.14E-08	7.74E-07
5686	485054.81	3855202.91	1.24E-03	1.27E-03	1.27E-03	4.30E-07	1.30E-06	7.52E-07	7.67E-07	6.95E-07	3.11E-07	3.17E-07	1.44E-08	3.47E-07	7.66E-08	1.04E-07	1.65E-07	2.85E-08	2.09E-08	7.57E-07
5687	485129.48	3855266.37	1.21E-03	1.23E-03	1.23E-03	4.17E-07	1.26E-06	7.29E-07	7.44E-07	6.75E-07	3.02E-07	3.07E-07	1.39E-08	3.37E-07	7.43E-08	1.01E-07	1.60E-07	2.77E-08	2.03E-08	7.34E-07
5688	485204.15	3855329.84	1.19E-03	1.21E-03	1.21E-03	4.11E-07	1.24E-06	7.19E-07	7.34E-07	6.65E-07	2.97E-07	3.03E-07	1.37E-08	3.32E-07	7.32E-08	9.96E-08	1.58E-07	2.73E-08	2.00E-08	7.24E-07
5689	485278.82	3855393.31	1.16E-03	1.19E-03	1.18E-03	4.02E-07	1.21E-06	7.03E-07	7.18E-07	6.50E-07	2.91E-07	2.96E-07	1.34E-08	3.24E-07	7.16E-08	9.74E-08	1.55E-07	2.67E-08	1.96E-08	7.08E-07
5690	485353.48	3855456.77	1.14E-03	1.17E-03	1.16E-03	3.95E-07	1.19E-06	6.91E-07	7.05E-07	6.39E-07	2.86E-07	2.91E-07	1.32E-08	3.19E-07	7.04E-08	9.57E-08	1.52E-07	2.62E-08	1.92E-08	6.95E-07
5691	485428.15	3855520.24	1.12E-03	1.14E-03	1.14E-03	3.87E-07	1.17E-06	6.77E-07	6.90E-07	6.26E-07	2.80E-07	2.85E-07	1.29E-08	3.12E-07	6.89E-08	9.37E-08	1.49E-07	2.57E-08	1.88E-08	6.81E-07
5692	485502.82	3855583.71	1.10E-03	1.12E-03	1.12E-03	3.80E-07	1.15E-06	6.64E-07	6.77E-07	6.14E-07	2.74E-07	2.80E-07	1.27E-08	3.06E-07	6.76E-08	9.19E-08	1.46E-07	2.52E-08	1.85E-08	6.68E-07
5693	485577.49	3855647.17	1.08E-03	1.10E-03	1.10E-03	3.74E-07	1.13E-06	6.54E-07	6.68E-07	6.05E-07	2.71E-07	2.76E-07	1.25E-08	3.02E-07	6.66E-08	9.07E-08	1.44E-07	2.48E-08	1.82E-08	6.59E-07

5694	485652.16	3855710.64	1.07E-03	1.09E-03	1.09E-03	3.69E-07	1.11E-06	6.45E-07	6.59E-07	5.97E-07	2.67E-07	2.72E-07	1.23E-08	2.98E-07	6.57E-08	8.94E-08	1.42E-07	2.45E-08	1.79E-08	6.50E-07
5695	485726.83	3855774.11	1.05E-03	1.07E-03	1.07E-03	3.63E-07	1.10E-06	6.35E-07	6.47E-07	5.87E-07	2.62E-07	2.68E-07	1.21E-08	2.93E-07	6.46E-08	8.79E-08	1.39E-07	2.41E-08	1.76E-08	6.39E-07
5696	485801.49	3855837.57	1.03E-03	1.05E-03	1.05E-03	3.56E-07	1.08E-06	6.23E-07	6.36E-07	5.76E-07	2.58E-07	2.63E-07	1.19E-08	2.88E-07	6.35E-08	8.63E-08	1.37E-07	2.37E-08	1.73E-08	6.27E-07
5697	485876.16	3855901.04	1.01E-03	1.03E-03	1.03E-03	3.51E-07	1.06E-06	6.14E-07	6.26E-07	5.67E-07	2.54E-07	2.59E-07	1.17E-08	2.83E-07	6.25E-08	8.50E-08	1.35E-07	2.33E-08	1.71E-08	6.17E-07
5698	485950.83	3855964.5	9.98E-04	1.02E-03	1.02E-03	3.45E-07	1.04E-06	6.04E-07	6.16E-07	5.58E-07	2.50E-07	2.55E-07	1.15E-08	2.79E-07	6.15E-08	8.36E-08	1.33E-07	2.29E-08	1.68E-08	6.08E-07
5699	486025.5	3856027.97	9.80E-04	1.00E-03	9.99E-04	3.39E-07	1.02E-06	5.93E-07	6.05E-07	5.49E-07	2.45E-07	2.50E-07	1.13E-08	2.74E-07	6.04E-08	8.22E-08	1.30E-07	2.25E-08	1.65E-08	5.97E-07
5700	486100.17	3856091.44	9.74E-04	9.93E-04	9.92E-04	3.37E-07	1.02E-06	5.89E-07	6.01E-07	5.45E-07	2.44E-07	2.48E-07	1.13E-08	2.72E-07	6.00E-08	8.16E-08	1.29E-07	2.24E-08	1.64E-08	5.93E-07
5701	486174.83	3856154.9	9.57E-04	9.76E-04	9.75E-04	3.31E-07	1.00E-06	5.79E-07	5.91E-07	5.35E-07	2.39E-07	2.44E-07	1.11E-08	2.67E-07	5.89E-08	8.02E-08	1.27E-07	2.20E-08	1.61E-08	5.83E-07
5702	486249.5	3856218.37	9.33E-04	9.52E-04	9.51E-04	3.23E-07	9.75E-07	5.64E-07	5.76E-07	5.22E-07	2.33E-07	2.38E-07	1.08E-08	2.60E-07	5.75E-08	7.82E-08	1.24E-07	2.14E-08	1.57E-08	5.68E-07
5703	486324.17	3856281.84	9.11E-04	9.29E-04	9.28E-04	3.15E-07	9.52E-07	5.51E-07	5.62E-07	5.10E-07	2.28E-07	2.32E-07	1.05E-08	2.54E-07	5.61E-08	7.63E-08	1.21E-07	2.09E-08	1.53E-08	5.54E-07
5704	486398.84	3856345.3	9.04E-04	9.23E-04	9.22E-04	3.13E-07	9.45E-07	5.47E-07	5.58E-07	5.06E-07	2.26E-07	2.31E-07	1.05E-08	2.53E-07	5.57E-08	7.58E-08	1.20E-07	2.08E-08	1.52E-08	5.51E-07
5705	486473.51	3856408.77	8.95E-04	9.13E-04	9.12E-04	3.10E-07	9.35E-07	5.41E-07	5.53E-07	5.01E-07	2.24E-07	2.28E-07	1.03E-08	2.50E-07	5.51E-08	7.50E-08	1.19E-07	2.06E-08	1.51E-08	5.45E-07
5706	486548.17	3856472.24	8.91E-04	9.10E-04	9.08E-04	3.09E-07	9.32E-07	5.39E-07	5.50E-07	4.99E-07	2.23E-07	2.27E-07	1.03E-08	2.49E-07	5.49E-08	7.47E-08	1.19E-07	2.05E-08	1.50E-08	5.43E-07
5707	486622.84	3856535.7	8.89E-04	9.07E-04	9.06E-04	3.08E-07	9.29E-07	5.38E-07	5.49E-07	4.98E-07	2.22E-07	2.27E-07	1.03E-08	2.48E-07	5.48E-08	7.45E-08	1.18E-07	2.04E-08	1.50E-08	5.41E-07
5708	486765.48	3856659.69	8.92E-04	9.10E-04	9.09E-04	3.09E-07	9.32E-07	5.40E-07	5.51E-07	4.99E-07	2.23E-07	2.27E-07	1.03E-08	2.49E-07	5.49E-08	7.47E-08	1.19E-07	2.05E-08	1.50E-08	5.43E-07
5709	486833.44	3856720.2	8.93E-04	9.11E-04	9.10E-04	3.09E-07	9.33E-07	5.40E-07	5.51E-07	5.00E-07	2.23E-07	2.28E-07	1.03E-08	2.49E-07	5.50E-08	7.48E-08	1.19E-07	2.05E-08	1.50E-08	5.44E-07
5710	486901.41	3856780.72	8.96E-04	9.15E-04	9.14E-04	3.10E-07	9.37E-07	5.42E-07	5.53E-07	5.02E-07	2.24E-07	2.29E-07	1.04E-08	2.50E-07	5.52E-08	7.51E-08	1.19E-07	2.06E-08	1.51E-08	5.46E-07
5711	486969.38	3856841.24	9.00E-04	9.18E-04	9.17E-04	3.12E-07	9.41E-07	5.45E-07	5.56E-07	5.04E-07	2.25E-07	2.30E-07	1.04E-08	2.51E-07	5.54E-08	7.54E-08	1.20E-07	2.07E-08	1.51E-08	5.48E-07
5712	487037.34	3856901.75	9.05E-04	9.23E-04	9.22E-04	3.13E-07	9.46E-07	5.47E-07	5.59E-07	5.06E-07	2.26E-07	2.31E-07	1.05E-08	2.53E-07	5.57E-08	7.58E-08	1.20E-07	2.08E-08	1.52E-08	5.51E-07
5713	487271.23	3856855.51	9.06E-04	9.24E-04	9.23E-04	3.14E-07	9.47E-07	5.48E-07	5.59E-07	5.07E-07	2.27E-07	2.31E-07	1.05E-08	2.53E-07	5.58E-08	7.59E-08	1.20E-07	2.08E-08	1.52E-08	5.52E-07
5714	487368.96	3856857.29	9.03E-04	9.22E-04	9.20E-04	3.13E-07	9.44E-07	5.46E-07	5.58E-07	5.05E-07	2.26E-07	2.30E-07	1.04E-08	2.52E-07	5.56E-08	7.57E-08	1.20E-07	2.07E-08	1.52E-08	5.50E-07
5715	487466.68	3856859.06	9.03E-04	9.22E-04	9.20E-04	3.13E-07	9.44E-07	5.46E-07	5.58E-07	5.05E-07	2.26E-07	2.30E-07	1.04E-08	2.52E-07	5.56E-08	7.57E-08	1.20E-07	2.07E-08	1.52E-08	5.50E-07
5716	487636.44	3856930	9.10E-04	9.29E-04	9.28E-04	3.15E-07	9.51E-07	5.51E-07	5.62E-07	5.09E-07	2.28E-07	2.32E-07	1.05E-08	2.54E-07	5.61E-08	7.63E-08	1.21E-07	2.09E-08	1.53E-08	5.54E-07
5717	487709.57	3856928.43	9.14E-04	9.33E-04	9.32E-04	3.16E-07	9.55E-07	5.53E-07	5.64E-07	5.12E-07	2.29E-07	2.33E-07	1.06E-08	2.55E-07	5.63E-08	7.66E-08	1.22E-07	2.10E-08	1.54E-08	5.57E-07
5718	487782.55	3856841.96	9.11E-04	9.29E-04	9.28E-04	3.15E-07	9.52E-07	5.51E-07	5.62E-07	5.10E-07	2.28E-07	2.32E-07	1.05E-08	2.54E-07	5.61E-08	7.64E-08	1.21E-07	2.09E-08	1.53E-08	5.55E-07
5719	487849.83	3856754.74	9.08E-04	9.27E-04	9.26E-04	3.14E-07	9.50E-07	5.50E-07	5.61E-07	5.08E-07	2.27E-07	2.32E-07	1.05E-08	2.54E-07	5.60E-08	7.62E-08	1.21E-07	2.09E-08	1.53E-08	5.53E-07
5720	487918.03	3856819.39	9.17E-04	9.35E-04	9.34E-04	3.17E-07	9.58E-07	5.55E-07	5.66E-07	5.13E-07	2.29E-07	2.34E-07	1.06E-08	2.56E-07	5.65E-08	7.68E-08	1.22E-07	2.11E-08	1.54E-08	5.58E-07
5721	487918.8	3856886.37	9.24E-04	9.43E-04	9.42E-04	3.20E-07	9.66E-07	5.59E-07	5.71E-07	5.17E-07	2.31E-07	2.36E-07	1.07E-08	2.58E-07	5.69E-08	7.75E-08	1.23E-07	2.12E-08	1.55E-08	5.63E-07
5722	488065.47	3857127.51	9.53E-04	9.72E-04	9.71E-04	3.30E-07	9.96E-07	5.77E-07	5.88E-07	5.33E-07	2.38E-07	2.43E-07	1.10E-08	2.66E-07	5.87E-08	7.99E-08	1.27E-07	2.19E-08	1.60E-08	5.80E-07
5723	488192.19	3857385.84	1.02E-03	1.04E-03	1.04E-03	3.54E-07	1.07E-06	6.19E-07	6.31E-07	5.72E-07	2.56E-07	2.61E-07	1.18E-08	2.86E-07	6.30E-08	8.57E-08	1.36E-07	2.35E-08	1.72E-08	6.23E-07
5724	488191.22	3857473.87	1.06E-03	1.08E-03	1.08E-03	3.65E-07	1.10E-06	6.39E-07	6.52E-07	5.91E-07	2.64E-07	2.69E-07	1.22E-08	2.95E-07	6.50E-08	8.85E-08	1.40E-07	2.42E-08	1.78E-08	6.43E-07
5725	488190.24	3857561.91	1.09E-03	1.12E-03	1.12E-03	3.79E-07	1.14E-06	6.62E-07	6.76E-07	6.12E-07	2.74E-07	2.79E-07	1.26E-08	3.05E-07	6.74E-08	9.17E-08	1.45E-07	2.51E-08	1.84E-08	6.66E-07
5726	488158.35	3857691.13	1.16E-03	1.18E-03	1.18E-03	4.00E-07	1.21E-06	7.00E-07	7.14E-07	6.47E-07	2.89E-07	2.95E-07	1.34E-08	3.23E-07	7.13E-08	9.70E-08	1.54E-07	2.66E-08	1.95E-08	7.04E-07
5727	488208.37	3857816.66	1.24E-03	1.26E-03	1.26E-03	4.29E-07	1.29E-06	7.49E-07	7.64E-07	6.93E-07	3.10E-07	3.16E-07	1.43E-08	3.46E-07	7.63E-08	1.04E-07	1.65E-07	2.84E-08	2.08E-08	7.54E-07
5728	488271.97	3857874.6	1.29E-03	1.31E-03	1.31E-03	4.46E-07	1.35E-06	7.79E-07	7.95E-07	7.21E-07	3.22E-07	3.29E-07	1.49E-08	3.60E-07	7.94E-08	1.08E-07	1.71E-07	2.96E-08	2.17E-08	7.85E-07
5729	488463.56	3857942.31	1.39E-03	1.42E-03	1.42E-03	4.82E-07	1.45E-06	8.42E-07	8.59E-07	7.79E-07	3.48E-07	3.55E-07	1.61E-08	3.89E-07	8.57E-08	1.17E-07	1.85E-07	3.20E-08	2.34E-08	8.47E-07
5730	488554.83	3857940.83	1.40E-03	1.43E-03	1.43E-03	4.84E-07	1.46E-06	8.46E-07	8.64E-07	7.83E-07	3.50E-07	3.57E-07	1.62E-08	3.91E-07	8.62E-08	1.17E-07	1.86E-07	3.21E-08	2.35E-08	8.52E-07
5731	488646.1	3857939.36	1.41E-03	1.43E-03	1.43E-03	4.87E-07	1.47E-06	8.51E-07	8.68E-07	7.87E-07	3.52E-07	3.59E-07	1.63E-08	3.93E-07	8.66E-08	1.18E-07	1.87E-07	3.23E-08	2.37E-08	8.56E-07
5732	488737.37	3857937.88	1.42E-03	1.44E-03	1.44E-03	4.90E-07	1.48E-06	8.57E-07	8.74E-07	7.92E-07	3.54E-07	3.61E-07	1.64E-08	3.95E-07	8.72E-08	1.19E-07	1.88E-07	3.25E-08	2.38E-08	8.62E-07
5733	488733.59	3857960.57	1.44E-03	1.47E-03	1.46E-03	4.97E-07	1.50E-06	8.70E-07	8.87E-07	8.04E-07	3.60E-07	3.67E-07	1.66E-08	4.01E-07	8.85E-08	1.20E-07	1.91E-07	3.30E-08	2.42E-08	8.75E-07
5734	488638.09	3857961.57	1.43E-03	1.46E-03	1.45E-03	4.94E-07	1.49E-06	8.63E-07	8.81E-07	7.99E-07	3.57E-07	3.64E-07	1.65E-08	3.98E-07	8.79E-08	1.20E-07	1.90E-07	3.28E-08	2.40E-08	8.69E-07
5735	488542.6	3857962.56	1.42E-03	1.45E-03	1.45E-03	4.92E-07	1.49E-06	8.61E-07	8.78E-07	7.96E-07	3.56E-07	3.63E-07	1.64E-08	3.97E-07	8.76E-08	1.19E-07	1.89E-07	3.27E-08	2.39E-08	8.66E-07
5736	488447.1	3857963.56	1.41E-03	1.44E-03	1.44E-03	4.89E-07	1.48E-06	8.55E-07	8.72E-07	7.90E-07	3.53E-07	3.60E-07	1.63E-08	3.94E-07	8.70E-08	1.18E-07	1.88E-07	3.24E-08	2.38E-08	8.60E-07
5737	488254.28	3857890.36	1.30E-03	1.33E-03	1.33E-03	4.50E-07	1.36E-06	7.87E-07	8.03E-07	7.28E-07	3.25E-07	3.32E-07	1.50E-08	3.63E-07	8.01E-08	1.09E-07	1.73E-07	2.99E-08	2.19E-08	7.92E-07
5738	488191.69	3857833.06	1.25E-03	1.27E-03	1.27E-03	4.31E-07	1.30E-06	7.54E-07	7.69E-07	6.97E-07	3.12E-07	3.18E-07	1.44E-08	3.48E-07	7.68E-08	1.04E-07	1.66E-07	2.86E-08	2.10E-08	7.59E-07
5739	488129.5	3857907.43	1.29E-03	1.32E-03	1.32E-03	4.47E-07	1.35E-06	7.81E-07	7.97E-07	7.23E-07	3.23E-07	3.29E-07	1.49E-08	3.60E-07	7.95E-08	1.08E-07	1.72E-07	2.96E-08	2.17E-08	7.86E-07
5740	488196.47	3857968.74	1.36E-03	1.38E-03	1.38E-03	4.69E-07	1.42E-06	8.20E-07	8.37E-07	7.59E-07	3.39E-07	3.46E-07	1.57E-08	3.79E-07	8.36E-08	1.14E-07	1.80E-07	3.11E-08	2.28E-08	8.26E-07
5741	488263.44	3858030.04	1.43E-03	1.46E-03	1.46E-03	4.96E-07	1.50E-06	8.66E-07	8.84E-07	8.01E-07	3.58E-07	3.65E-07	1.65E-08	4.00E-07	8.82E-08	1.20E-07	1.90E-07	3.29E-08	2.41E-08	8.72E-07
5742	488400.64	3858132.9	1.60E-03	1.63E-03	1.63E-03	5.53E-07	1.67E-06	9.67E-07	9.87E-07	8.94E-07	4.00E-07	4.08E-07	1.85E-08	4.46E-07	9.85E-08	1.34E-07	2.13E-07	3.67E-08	2.69E-08	9.73E-07
5743	488519.89	3858218.38	1.80E-03	1.83E-03	1.83E-03	6.21E-07	1.88E-06	1.09E-06	1.11E-06	1.00E-06	4.49E-07	4.58E-07	2.08E-08	5.01E-07	1.11E-07	1.50E-07	2.39E-07	4.12E-08	3.02E-08	1.09E-06
5744	488647.97	3858214.99	1.80E-03	1.84E-03	1.84E-03	6.23E-07	1.88E-06	1.09E-06	1.11E-06	1.01E-06	4.51E-07	4.59E-07	2.08E-08	5.03E-07	1.11E-07	1.51E-07	2.39E-07	4.14E-08	3.03E-08	1.10E-06
5745	488727.05	3858167.67	1.72E-03	1.76E-03	1.76E-03	5.96E-07	1.80E-06	1.04E-06	1.06E-06	9.64E-07	4.31E-07	4.39E-07	1.99E-08	4.81E-07	1.06E-07	1.44E-07	2.29E-07	3.96E-08	2.90E-08	1.05E-06
5746	488806.12	3858120.35	1.65E-03	1.69E-03	1.68E-03	5.72E-07	1.73E-06	9.99E-07	1.02E-06	9.24E-07	4.13E-07	4.21E-07	1.91E-08	4.61E-07	1.02E-07	1.38E-07	2.20E-07	3.79E-08	2.78E-08	1.01E-06
5747	488885.2	3858073.03	1.58E-03	1.62E-03	1.61E-03	5.48E-07	1.66E-06	9.58E-07	9.78E-07	8.86E-07	3.96E-07	4.04E-07	1.83E-08	4.42E-07	9.76E-08	1.33E-07	2.11E-07	3.64E-08	2.66E-08	9.65E-07
5748	489055.76	3857991.18	1.46E-03	1.49E-03	1.49E-03	5.07E-07	1.53E-06	8.86E-07	9.04E-07	8.20E-07	3.67E-07	3.74E-07	1.69E-08	4.09E-07	9.02E-08	1.23E-07	1.95E-07	3.36E-08	2.46E-08	8.92E-07
5749	489245.39	3857944.55	1.34E-03	1.37E-03	1.37E-03	4.65E-07	1.40E-06	8.12E-07	8.29E-07	7.51E-07	3.36E-07	3.42E-07	1.55E-08	3.75E-07	8.27E-08	1.12E-07	1.78E-07	3.08E-08	2.26E-08	8.17E-07
5750	489430.63	3857930.91	1.28E-03	1.30E-03	1.30E-03	4.42E-07	1.33E-06	7.72E-07	7.88E-07	7.14E-07	3.19E-07	3.26E-07	1.48E-08	3.56E-07	7.86E-08	1.07E-07	1.70E-07	2.93E-08	2.15E-08	7.77E-07

5751	489517.74	3857929.36	1.25E-03	1.28E-03	1.28E-03	4.33E-07	1.31E-06	7.57E-07	7.72E-07	7.00E-07	3.13E-07	3.19E-07	1.45E-08	3.49E-07	7.71E-08	1.05E-07	1.66E-07	2.87E-08	2.11E-08	7.62E-07
5752	489604.86	3857927.82	1.23E-03	1.25E-03	1.25E-03	4.25E-07	1.28E-06	7.43E-07	7.58E-07	6.87E-07	3.07E-07	3.13E-07	1.42E-08	3.43E-07	7.57E-08	1.03E-07	1.63E-07	2.82E-08	2.07E-08	7.48E-07
5753	489691.97	3857926.28	1.22E-03	1.24E-03	1.24E-03	4.21E-07	1.27E-06	7.36E-07	7.51E-07	6.81E-07	3.04E-07	3.10E-07	1.41E-08	3.40E-07	7.49E-08	1.02E-07	1.62E-07	2.79E-08	2.05E-08	7.41E-07
5754	489779.08	3857924.73	1.20E-03	1.23E-03	1.23E-03	4.17E-07	1.26E-06	7.29E-07	7.44E-07	6.74E-07	3.01E-07	3.07E-07	1.39E-08	3.36E-07	7.42E-08	1.01E-07	1.60E-07	2.77E-08	2.03E-08	7.34E-07
5755	490017.55	3857875.09	1.13E-03	1.16E-03	1.15E-03	3.92E-07	1.18E-06	6.86E-07	7.00E-07	6.34E-07	2.84E-07	2.89E-07	1.31E-08	3.16E-07	6.98E-08	9.50E-08	1.51E-07	2.60E-08	1.91E-08	6.90E-07
5756	490033.82	3857960.81	1.22E-03	1.24E-03	1.24E-03	4.22E-07	1.27E-06	7.38E-07	7.53E-07	6.82E-07	3.05E-07	3.11E-07	1.41E-08	3.40E-07	7.51E-08	1.02E-07	1.62E-07	2.80E-08	2.05E-08	7.42E-07
5757	489959.15	3857987.49	1.27E-03	1.29E-03	1.29E-03	4.38E-07	1.32E-06	7.66E-07	7.81E-07	7.08E-07	3.17E-07	3.23E-07	1.46E-08	3.53E-07	7.80E-08	1.06E-07	1.68E-07	2.91E-08	2.13E-08	7.71E-07
5758	489791.49	3858016.12	1.29E-03	1.32E-03	1.32E-03	4.48E-07	1.35E-06	7.83E-07	7.99E-07	7.24E-07	3.24E-07	3.30E-07	1.50E-08	3.61E-07	7.98E-08	1.09E-07	1.72E-07	2.97E-08	2.18E-08	7.88E-07
5759	489698.51	3858018.07	1.31E-03	1.34E-03	1.34E-03	4.54E-07	1.37E-06	7.94E-07	8.11E-07	7.35E-07	3.29E-07	3.35E-07	1.52E-08	3.67E-07	8.09E-08	1.10E-07	1.75E-07	3.02E-08	2.21E-08	7.99E-07
5760	489605.52	3858020.02	1.33E-03	1.36E-03	1.36E-03	4.62E-07	1.39E-06	8.07E-07	8.24E-07	7.47E-07	3.34E-07	3.40E-07	1.54E-08	3.72E-07	8.22E-08	1.12E-07	1.77E-07	3.06E-08	2.24E-08	8.12E-07
5761	489512.53	3858021.96	1.36E-03	1.39E-03	1.39E-03	4.71E-07	1.42E-06	8.23E-07	8.40E-07	7.61E-07	3.40E-07	3.47E-07	1.57E-08	3.80E-07	8.38E-08	1.14E-07	1.81E-07	3.12E-08	2.29E-08	8.28E-07
5762	489419.55	3858023.91	1.39E-03	1.42E-03	1.42E-03	4.83E-07	1.46E-06	8.44E-07	8.61E-07	7.80E-07	3.49E-07	3.56E-07	1.61E-08	3.89E-07	8.59E-08	1.17E-07	1.85E-07	3.20E-08	2.35E-08	8.49E-07
5763	489228.47	3858041.29	1.45E-03	1.48E-03	1.48E-03	5.02E-07	1.52E-06	8.77E-07	8.95E-07	8.11E-07	3.63E-07	3.70E-07	1.68E-08	4.05E-07	8.93E-08	1.22E-07	1.93E-07	3.33E-08	2.44E-08	8.83E-07
5764	489065.75	3858085.78	1.58E-03	1.61E-03	1.61E-03	5.45E-07	1.65E-06	9.53E-07	9.73E-07	8.82E-07	3.94E-07	4.02E-07	1.82E-08	4.40E-07	9.71E-08	1.32E-07	2.10E-07	3.62E-08	2.65E-08	9.60E-07
5765	489001.12	3858114.86	1.63E-03	1.67E-03	1.67E-03	5.66E-07	1.71E-06	9.89E-07	1.01E-06	9.15E-07	4.09E-07	4.17E-07	1.89E-08	4.56E-07	1.01E-07	1.37E-07	2.17E-07	3.75E-08	2.75E-08	9.95E-07
5766	488861.89	3858189.81	1.76E-03	1.80E-03	1.80E-03	6.11E-07	1.84E-06	1.07E-06	1.09E-06	9.88E-07	4.42E-07	4.50E-07	2.04E-08	4.93E-07	1.09E-07	1.48E-07	2.35E-07	4.05E-08	2.97E-08	1.07E-06
5767	488787.29	3858235.69	1.86E-03	1.90E-03	1.89E-03	6.44E-07	1.94E-06	1.12E-06	1.15E-06	1.04E-06	4.65E-07	4.74E-07	2.15E-08	5.19E-07	1.15E-07	1.56E-07	2.47E-07	4.27E-08	3.13E-08	1.13E-06
5768	488712.68	3858281.57	1.95E-03	1.99E-03	1.99E-03	6.74E-07	2.04E-06	1.18E-06	1.20E-06	1.09E-06	4.88E-07	4.97E-07	2.25E-08	5.44E-07	1.20E-07	1.63E-07	2.59E-07	4.47E-08	3.28E-08	1.19E-06
5769	488654.39	3858436.17	2.41E-03	2.46E-03	2.45E-03	8.33E-07	2.52E-06	1.46E-06	1.49E-06	1.35E-06	6.03E-07	6.14E-07	2.78E-08	6.72E-07	1.48E-07	2.02E-07	3.20E-07	5.53E-08	4.05E-08	1.47E-06
5770	488726.31	3858505.26	2.74E-03	2.80E-03	2.79E-03	9.49E-07	2.86E-06	1.66E-06	1.69E-06	1.53E-06	6.86E-07	6.99E-07	3.17E-08	7.65E-07	1.69E-07	2.30E-07	3.64E-07	6.29E-08	4.61E-08	1.67E-06
5771	488880.6	3858599.28	3.45E-03	3.52E-03	3.52E-03	1.20E-06	3.61E-06	2.09E-06	2.13E-06	1.93E-06	8.64E-07	8.81E-07	3.99E-08	9.64E-07	2.13E-07	2.89E-07	4.59E-07	7.93E-08	5.81E-08	2.10E-06
5772	489008.06	3858714.75	5.06E-03	5.16E-03	5.16E-03	1.75E-06	5.29E-06	3.06E-06	3.12E-06	2.83E-06	1.27E-06	1.29E-06	5.85E-08	1.41E-06	3.12E-07	4.24E-07	6.73E-07	1.16E-07	8.51E-08	3.08E-06
5773	489071.48	3858772.72	7.34E-03	7.49E-03	7.48E-03	2.54E-06	7.67E-06	4.44E-06	4.53E-06	4.11E-06	1.84E-06	1.87E-06	8.48E-08	2.05E-06	4.52E-07	6.15E-07	9.76E-07	1.69E-07	1.23E-07	4.47E-06
5774	489244.6	3858920.2	2.42E-02	2.47E-02	2.47E-02	8.37E-06	2.53E-05	1.46E-05	1.49E-05	1.35E-05	6.05E-06	6.17E-06	2.80E-07	6.75E-06	1.49E-06	2.03E-06	3.22E-06	5.56E-07	4.07E-07	1.47E-05
5775	489239.69	3858952.23	3.07E-02	3.13E-02	3.13E-02	1.06E-05	3.21E-05	1.86E-05	1.90E-05	1.72E-05	7.69E-06	7.84E-06	3.55E-07	8.58E-06	1.89E-06	2.58E-06	4.09E-06	7.06E-07	5.17E-07	1.87E-05
5776	489121.67	3858854.49	1.68E-02	1.71E-02	1.71E-02	5.80E-06	1.75E-05	1.01E-05	1.03E-05	9.38E-06	4.19E-06	4.27E-06	1.94E-07	4.68E-06	1.03E-06	1.40E-06	2.23E-06	3.85E-07	2.82E-07	1.02E-05
5777	489059.59	3858797.27	9.00E-03	9.19E-03	9.18E-03	3.12E-06	9.41E-06	5.45E-06	5.56E-06	5.04E-06	2.25E-06	2.30E-06	1.04E-07	2.51E-06	5.55E-07	7.55E-07	1.20E-06	2.07E-07	1.51E-07	5.48E-06
5778	488997.52	3858740.04	5.69E-03	5.81E-03	5.80E-03	1.97E-06	5.95E-06	3.44E-06	3.51E-06	3.19E-06	1.42E-06	1.45E-06	6.58E-08	1.59E-06	3.51E-07	4.77E-07	7.57E-07	1.31E-07	9.58E-08	3.47E-06
5779	488935.44	3858682.82	4.44E-03	4.53E-03	4.52E-03	1.54E-06	4.64E-06	2.68E-06	2.74E-06	2.48E-06	1.11E-06	1.13E-06	5.13E-08	1.24E-06	2.73E-07	3.72E-07	5.90E-07	1.02E-07	7.47E-08	2.70E-06
5780	488869.17	3858848.43	1.35E-02	1.38E-02	1.38E-02	4.68E-06	1.41E-05	8.18E-06	8.35E-06	7.57E-06	3.38E-06	3.45E-06	1.56E-07	3.78E-06	8.33E-07	1.13E-06	1.80E-06	3.11E-07	2.28E-07	8.24E-06
5781	488932.48	3858892.69	4.67E-02	4.76E-02	4.76E-02	1.62E-05	4.88E-05	2.82E-05	2.88E-05	2.61E-05	1.17E-05	1.19E-05	5.39E-07	1.30E-05	2.88E-06	3.91E-06	6.21E-06	1.07E-06	7.85E-07	2.84E-05
5782	489063.27	3858977.17	7.95E-02	8.11E-02	8.10E-02	2.75E-05	8.30E-05	4.81E-05	4.91E-05	4.45E-05	1.99E-05	2.03E-05	9.18E-07	2.22E-05	4.90E-06	6.66E-06	1.06E-05	1.82E-06	1.34E-06	4.84E-05
5783	489248.2	3859117.15	9.59E-02	9.79E-02	9.77E-02	3.32E-05	1.00E-04	5.80E-05	5.92E-05	5.37E-05	2.40E-05	2.45E-05	1.11E-06	2.68E-05	5.91E-06	8.04E-06	1.28E-05	2.20E-06	1.61E-06	5.84E-05
5784	489296.25	3859049.22	4.94E-02	5.04E-02	5.04E-02	1.71E-05	5.16E-05	2.99E-05	3.05E-05	2.77E-05	1.24E-05	1.26E-05	5.71E-07	1.38E-05	3.04E-06	4.14E-06	6.57E-06	1.13E-06	8.31E-07	3.01E-05
5785	489353.38	3858993.97	2.99E-02	3.06E-02	3.05E-02	1.04E-05	3.13E-05	1.81E-05	1.85E-05	1.68E-05	7.49E-06	7.64E-06	3.46E-07	8.36E-06	1.84E-06	2.51E-06	3.98E-06	6.88E-07	5.04E-07	1.82E-05
5786	489537.25	3859120.22	3.69E-02	3.77E-02	3.77E-02	1.28E-05	3.86E-05	2.24E-05	2.28E-05	2.07E-05	9.25E-06	9.42E-06	4.27E-07	1.03E-05	2.28E-06	3.10E-06	4.91E-06	8.49E-07	6.22E-07	2.25E-05
5787	489726.98	3859246.04	4.38E-02	4.47E-02	4.46E-02	1.52E-05	4.58E-05	2.65E-05	2.70E-05	2.45E-05	1.10E-05	1.12E-05	5.06E-07	1.22E-05	2.70E-06	3.67E-06	5.82E-06	1.01E-06	7.37E-07	2.67E-05
5788	489911.46	3859366.33	4.97E-02	5.08E-02	5.07E-02	1.72E-05	5.20E-05	3.01E-05	3.07E-05	2.78E-05	1.24E-05	1.27E-05	5.75E-07	1.39E-05	3.06E-06	4.17E-06	6.61E-06	1.14E-06	8.37E-07	3.03E-05
5789	490035.3	3859430.26	5.00E-02	5.10E-02	5.09E-02	1.73E-05	5.22E-05	3.02E-05	3.08E-05	2.80E-05	1.25E-05	1.27E-05	5.78E-07	1.40E-05	3.08E-06	4.19E-06	6.64E-06	1.15E-06	8.41E-07	3.04E-05
5790	490101.11	3859458.61	4.87E-02	4.97E-02	4.96E-02	1.69E-05	5.09E-05	2.95E-05	3.01E-05	2.73E-05	1.22E-05	1.24E-05	5.63E-07	1.36E-05	3.00E-06	4.08E-06	6.48E-06	1.12E-06	8.20E-07	2.97E-05
5791	490312.68	3859560.3	5.23E-02	5.34E-02	5.33E-02	1.81E-05	5.47E-05	3.17E-05	3.23E-05	2.93E-05	1.31E-05	1.33E-05	6.05E-07	1.46E-05	3.22E-06	4.39E-06	6.96E-06	1.20E-06	8.80E-07	3.19E-05
5792	490401.63	3859603.12	5.55E-02	5.67E-02	5.66E-02	1.92E-05	5.80E-05	3.36E-05	3.43E-05	3.11E-05	1.39E-05	1.42E-05	6.42E-07	1.55E-05	3.42E-06	4.66E-06	7.39E-06	1.28E-06	9.34E-07	3.38E-05
5793	490490.57	3859645.94	5.89E-02	6.01E-02	6.01E-02	2.04E-05	6.16E-05	3.57E-05	3.64E-05	3.30E-05	1.47E-05	1.50E-05	6.81E-07	1.65E-05	3.63E-06	4.94E-06	7.84E-06	1.35E-06	9.91E-07	3.59E-05
5794	490579.51	3859688.76	6.23E-02	6.36E-02	6.35E-02	2.16E-05	6.51E-05	3.77E-05	3.85E-05	3.49E-05	1.56E-05	1.59E-05	7.20E-07	1.74E-05	3.84E-06	5.22E-06	8.29E-06	1.43E-06	1.05E-06	3.79E-05
5795	490668.45	3859731.58	6.42E-02	6.55E-02	6.54E-02	2.22E-05	6.71E-05	3.88E-05	3.96E-05	3.59E-05	1.61E-05	1.64E-05	7.42E-07	1.79E-05	3.95E-06	5.38E-06	8.54E-06	1.47E-06	1.08E-06	3.91E-05
5796	490757.4	3859774.4	7.01E-02	7.15E-02	7.14E-02	2.43E-05	7.32E-05	4.24E-05	4.33E-05	3.92E-05	1.75E-05	1.79E-05	8.10E-07	1.96E-05	4.32E-06	5.87E-06	9.32E-06	1.61E-06	1.18E-06	4.27E-05
5797	491003.53	3859861.82	6.31E-02	6.44E-02	6.44E-02	2.19E-05	6.60E-05	3.82E-05	3.90E-05	3.53E-05	1.58E-05	1.61E-05	7.30E-07	1.76E-05	3.89E-06	5.29E-06	8.40E-06	1.45E-06	1.06E-06	3.85E-05
5798	491081.41	3859879.05	5.63E-02	5.75E-02	5.74E-02	1.95E-05	5.89E-05	3.41E-05	3.48E-05	3.15E-05	1.41E-05	1.44E-05	6.51E-07	1.57E-05	3.47E-06	4.72E-06	7.49E-06	1.29E-06	9.48E-07	3.43E-05
5799	491229.76	3859917.82	4.54E-02	4.64E-02	4.63E-02	1.57E-05	4.75E-05	2.75E-05	2.80E-05	2.54E-05	1.14E-05	1.16E-05	5.25E-07	1.27E-05	2.80E-06	3.81E-06	6.04E-06	1.04E-06	7.64E-07	2.77E-05
5800	491300.22	3859939.35	4.10E-02	4.18E-02	4.18E-02	1.42E-05	4.28E-05	2.48E-05	2.53E-05	2.29E-05	1.03E-05	1.04E-05	4.74E-07	1.14E-05	2.52E-06	3.43E-06	5.45E-06	9.41E-07	6.89E-07	2.49E-05
5801	491350.49	3860012.03	4.55E-02	4.64E-02	4.64E-02	1.57E-05	4.76E-05	2.75E-05	2.81E-05	2.55E-05	1.14E-05	1.16E-05	5.26E-07	1.27E-05	2.80E-06	3.81E-06	6.05E-06	1.04E-06	7.66E-07	2.77E-05
5802	491406.82	3860092.57	5.13E-02	5.23E-02	5.23E-02	1.78E-05	5.36E-05	3.10E-05	3.17E-05	2.87E-05	1.28E-05	1.31E-05	5.93E-07	1.43E-05	3.16E-06	4.30E-06	6.82E-06	1.18E-06	8.63E-07	3.12E-05
5803	491483.37	3860121.96	4.57E-02	4.66E-02	4.66E-02	1.58E-05	4.77E-05	2.76E-05	2.82E-05	2.56E-05	1.14E-05	1.17E-05	5.28E-07	1.28E-05	2.81E-06	3.83E-06	6.07E-06	1.05E-06	7.69E-07	2.78E-05
5804	491559.91	3860151.36	4.11E-02	4.19E-02	4.18E-02	1.42E-05	4.29E-05	2.48E-05	2.54E-05	2.30E-05	1.03E-05	1.05E-05	4.75E-07	1.15E-05	2.53E-06	3.44E-06	5.46E-06	9.43E-07	6.91E-07	2.50E-05
5805	491711.81	3860237.76	2.83E-02	2.89E-02	2.89E-02	9.81E-06	2.96E-05	1.71E-05	1.75E-05	1.59E-05	7.09E-06	7.23E-06	3.27E-07	7.91E-06	1.75E-06	2.37E-06	3.77E-06	6.51E-07	4.77E-07	1.73E-05
5806	491755.2	3860319.07	4.09E-02	4.17E-02	4.17E-02	1.41E-05	4.27E-05	2.47E-05	2.52E-05	2.29E-05	1.02E-05	1.04E-05	4.72E-07	1.14E-05	2.52E-06	3.43E-06	5.44E-06	9.39E-07	6.88E-07	2.49E-05
5807	491704.71	3860366.54	5.85E-02	5.97E-02	5.96E-02	2.02E-05	6.11E-05	3.54E-05	3.61E-05	3.27E-05	1.46E-05	1.49E-05	6.76E-07	1.63E-05	3.60E-06	4.90E-06	7.78E-06	1.34E-06	9.84E-07	3.56E-05

5808	491623.43	3860462.39	3.46E-02	3.53E-02	3.53E-02	1.20E-05	3.62E-05	2.09E-05	2.14E-05	1.94E-05	8.66E-06	8.83E-06	4.00E-07	9.66E-06	2.13E-06	2.90E-06	4.60E-06	7.95E-07	5.82E-07	2.11E-05
5809	491534.02	3860439.85	1.98E-02	2.02E-02	2.02E-02	6.85E-06	2.07E-05	1.20E-05	1.22E-05	1.11E-05	4.95E-06	5.05E-06	2.29E-07	5.53E-06	1.22E-06	1.66E-06	2.63E-06	4.55E-07	3.33E-07	1.21E-05
5810	491313.95	3860268.18	2.68E-02	2.73E-02	2.73E-02	9.28E-06	2.80E-05	1.62E-05	1.65E-05	1.50E-05	6.71E-06	6.84E-06	3.10E-07	7.48E-06	1.65E-06	2.25E-06	3.56E-06	6.16E-07	4.51E-07	1.63E-05
5811	491187.12	3860143.56	3.73E-02	3.81E-02	3.80E-02	1.29E-05	3.90E-05	2.26E-05	2.30E-05	2.09E-05	9.33E-06	9.51E-06	4.31E-07	1.04E-05	2.30E-06	3.13E-06	4.96E-06	8.56E-07	6.27E-07	2.27E-05
5812	491070.43	3860075.97	3.46E-02	3.53E-02	3.53E-02	1.20E-05	3.62E-05	2.09E-05	2.14E-05	1.94E-05	8.66E-06	8.83E-06	4.00E-07	9.66E-06	2.13E-06	2.90E-06	4.60E-06	7.95E-07	5.82E-07	2.11E-05
5813	490995.09	3860039.39	3.24E-02	3.31E-02	3.31E-02	1.12E-05	3.39E-05	1.96E-05	2.00E-05	1.81E-05	8.12E-06	8.27E-06	3.75E-07	9.05E-06	2.00E-06	2.72E-06	4.31E-06	7.45E-07	5.46E-07	1.97E-05
5814	490919.75	3860002.8	3.26E-02	3.33E-02	3.32E-02	1.13E-05	3.41E-05	1.97E-05	2.01E-05	1.82E-05	8.16E-06	8.32E-06	3.77E-07	9.10E-06	2.01E-06	2.73E-06	4.34E-06	7.49E-07	5.49E-07	1.99E-05
5815	490756.81	3859894.53	5.60E-02	5.72E-02	5.71E-02	1.94E-05	5.85E-05	3.39E-05	3.46E-05	3.13E-05	1.40E-05	1.43E-05	6.47E-07	1.56E-05	3.45E-06	4.70E-06	7.45E-06	1.29E-06	9.42E-07	3.41E-05
5816	490668.07	3859860.92	5.36E-02	5.47E-02	5.46E-02	1.85E-05	5.60E-05	3.24E-05	3.31E-05	3.00E-05	1.34E-05	1.37E-05	6.19E-07	1.50E-05	3.30E-06	4.49E-06	7.12E-06	1.23E-06	9.01E-07	3.26E-05
5817	490579.34	3859827.3	5.35E-02	5.46E-02	5.45E-02	1.85E-05	5.59E-05	3.24E-05	3.30E-05	2.99E-05	1.34E-05	1.36E-05	6.19E-07	1.49E-05	3.30E-06	4.49E-06	7.12E-06	1.23E-06	9.00E-07	3.26E-05
5818	490490.6	3859793.68	5.09E-02	5.20E-02	5.19E-02	1.76E-05	5.32E-05	3.08E-05	3.14E-05	2.85E-05	1.27E-05	1.30E-05	5.89E-07	1.42E-05	3.14E-06	4.27E-06	6.77E-06	1.17E-06	8.57E-07	3.10E-05
5819	490401.86	3859760.07	4.92E-02	5.02E-02	5.01E-02	1.70E-05	5.14E-05	2.97E-05	3.04E-05	2.75E-05	1.23E-05	1.25E-05	5.68E-07	1.37E-05	3.03E-06	4.12E-06	6.54E-06	1.13E-06	8.27E-07	2.99E-05
5820	490313.12	3859726.45	4.88E-02	4.98E-02	4.97E-02	1.69E-05	5.10E-05	2.95E-05	3.01E-05	2.73E-05	1.22E-05	1.24E-05	5.64E-07	1.36E-05	3.00E-06	4.09E-06	6.49E-06	1.12E-06	8.21E-07	2.97E-05
5821	490224.39	3859692.83	4.81E-02	4.91E-02	4.90E-02	1.66E-05	5.03E-05	2.91E-05	2.97E-05	2.69E-05	1.20E-05	1.23E-05	5.56E-07	1.34E-05	2.96E-06	4.03E-06	6.39E-06	1.10E-06	8.09E-07	2.93E-05
5822	490135.65	3859659.22	4.70E-02	4.80E-02	4.80E-02	1.63E-05	4.92E-05	2.85E-05	2.90E-05	2.63E-05	1.18E-05	1.20E-05	5.44E-07	1.31E-05	2.90E-06	3.94E-06	6.26E-06	1.08E-06	7.92E-07	2.87E-05
5823	489918.19	3859559.23	4.60E-02	4.69E-02	4.69E-02	1.59E-05	4.80E-05	2.78E-05	2.84E-05	2.57E-05	1.15E-05	1.17E-05	5.31E-07	1.28E-05	2.83E-06	3.85E-06	6.11E-06	1.06E-06	7.73E-07	2.80E-05
5824	489743.61	3859486	3.58E-02	3.66E-02	3.65E-02	1.24E-05	3.74E-05	2.17E-05	2.21E-05	2.00E-05	8.96E-06	9.14E-06	4.14E-07	1.00E-05	2.21E-06	3.00E-06	4.76E-06	8.23E-07	6.03E-07	2.18E-05
5825	489660.32	3859440.27	3.55E-02	3.62E-02	3.62E-02	1.23E-05	3.71E-05	2.15E-05	2.19E-05	1.99E-05	8.88E-06	9.05E-06	4.10E-07	9.90E-06	2.19E-06	2.97E-06	4.72E-06	8.15E-07	5.97E-07	2.16E-05
5826	489577.04	3859394.53	3.53E-02	3.60E-02	3.60E-02	1.22E-05	3.69E-05	2.14E-05	2.18E-05	1.98E-05	8.84E-06	9.01E-06	4.08E-07	9.86E-06	2.18E-06	2.96E-06	4.70E-06	8.11E-07	5.94E-07	2.15E-05
5827	489493.75	3859348.8	3.49E-02	3.56E-02	3.55E-02	1.21E-05	3.64E-05	2.11E-05	2.15E-05	1.95E-05	8.73E-06	8.90E-06	4.03E-07	9.74E-06	2.15E-06	2.92E-06	4.64E-06	8.01E-07	5.87E-07	2.12E-05
5828	489321.28	3859240.02	3.96E-02	4.04E-02	4.04E-02	1.37E-05	4.14E-05	2.40E-05	2.45E-05	2.22E-05	9.92E-06	1.01E-05	4.58E-07	1.11E-05	2.44E-06	3.32E-06	5.27E-06	9.10E-07	6.67E-07	2.41E-05
5829	489235.41	3859193.96	3.86E-02	3.94E-02	3.93E-02	1.34E-05	4.03E-05	2.34E-05	2.38E-05	2.16E-05	9.66E-06	9.85E-06	4.46E-07	1.08E-05	2.38E-06	3.24E-06	5.13E-06	8.87E-07	6.49E-07	2.35E-05
5830	489149.54	3859147.89	3.39E-02	3.46E-02	3.46E-02	1.18E-05	3.55E-05	2.05E-05	2.10E-05	1.90E-05	8.50E-06	8.66E-06	3.92E-07	9.48E-06	2.09E-06	2.85E-06	4.51E-06	7.80E-07	5.71E-07	2.07E-05
5831	489063.68	3859101.82	3.10E-02	3.17E-02	3.16E-02	1.07E-05	3.24E-05	1.88E-05	1.92E-05	1.74E-05	7.77E-06	7.92E-06	3.59E-07	8.67E-06	1.91E-06	2.60E-06	4.13E-06	7.13E-07	5.22E-07	1.89E-05
5832	488977.81	3859055.75	2.78E-02	2.84E-02	2.84E-02	9.63E-06	2.91E-05	1.68E-05	1.72E-05	1.56E-05	6.97E-06	7.10E-06	3.22E-07	7.77E-06	1.71E-06	2.33E-06	3.70E-06	6.39E-07	4.68E-07	1.69E-05
5833	488891.94	3859009.69	2.27E-02	2.32E-02	2.31E-02	7.85E-06	2.37E-05	1.37E-05	1.40E-05	1.27E-05	5.68E-06	5.79E-06	2.62E-07	6.33E-06	1.40E-06	1.90E-06	3.02E-06	5.21E-07	3.82E-07	1.38E-05
5834	488808	3859060.73	1.17E-02	1.19E-02	1.19E-02	4.05E-06	1.22E-05	7.07E-06	7.22E-06	6.54E-06	2.93E-06	2.98E-06	1.35E-07	3.26E-06	7.20E-07	9.80E-07	1.55E-06	2.69E-07	1.97E-07	7.12E-06
5835	488809.93	3859157.85	9.13E-03	9.32E-03	9.31E-03	3.16E-06	9.54E-06	5.52E-06	5.64E-06	5.11E-06	2.29E-06	2.33E-06	1.06E-07	2.55E-06	5.63E-07	7.65E-07	1.21E-06	2.10E-07	1.54E-07	5.56E-06
5836	488811.86	3859254.96	7.51E-03	7.66E-03	7.65E-03	2.60E-06	7.85E-06	4.54E-06	4.64E-06	4.20E-06	1.88E-06	1.91E-06	8.68E-08	2.10E-06	4.63E-07	6.29E-07	9.98E-07	1.72E-07	1.26E-07	4.57E-06
5837	488813.78	3859352.07	6.38E-03	6.52E-03	6.51E-03	2.21E-06	6.67E-06	3.86E-06	3.94E-06	3.57E-06	1.60E-06	1.63E-06	7.38E-08	1.78E-06	3.93E-07	5.35E-07	8.49E-07	1.47E-07	1.07E-07	3.89E-06
5838	488815.71	3859449.19	5.59E-03	5.70E-03	5.70E-03	1.93E-06	5.84E-06	3.38E-06	3.45E-06	3.13E-06	1.40E-06	1.43E-06	6.46E-08	1.56E-06	3.44E-07	4.69E-07	7.43E-07	1.28E-07	9.41E-08	3.40E-06
5839	488910.04	3859547.11	5.49E-03	5.60E-03	5.59E-03	1.90E-06	5.74E-06	3.32E-06	3.39E-06	3.07E-06	1.37E-06	1.40E-06	6.34E-08	1.53E-06	3.38E-07	4.60E-07	7.30E-07	1.26E-07	9.23E-08	3.34E-06
5840	489002.45	3859547.91	6.12E-03	6.24E-03	6.24E-03	2.12E-06	6.40E-06	3.70E-06	3.78E-06	3.43E-06	1.53E-06	1.56E-06	7.07E-08	1.71E-06	3.77E-07	5.13E-07	8.14E-07	1.41E-07	1.03E-07	3.73E-06
5841	489094.85	3859548.72	6.89E-03	7.03E-03	7.02E-03	2.38E-06	7.20E-06	4.17E-06	4.25E-06	3.85E-06	1.72E-06	1.76E-06	7.96E-08	1.92E-06	4.24E-07	5.77E-07	9.16E-07	1.58E-07	1.16E-07	4.19E-06
5842	489230.05	3859601.87	7.41E-03	7.56E-03	7.55E-03	2.57E-06	7.75E-06	4.48E-06	4.58E-06	4.15E-06	1.86E-06	1.89E-06	8.57E-08	2.07E-06	4.57E-07	6.21E-07	9.86E-07	1.70E-07	1.25E-07	4.51E-06
5843	489227.52	3859680.89	6.45E-03	6.58E-03	6.57E-03	2.23E-06	6.74E-06	3.90E-06	3.98E-06	3.61E-06	1.61E-06	1.64E-06	7.45E-08	1.80E-06	3.97E-07	5.40E-07	8.57E-07	1.48E-07	1.08E-07	3.93E-06
5844	489133.47	3859760.29	5.22E-03	5.33E-03	5.32E-03	1.81E-06	5.46E-06	3.16E-06	3.22E-06	2.92E-06	1.31E-06	1.33E-06	6.03E-08	1.46E-06	3.22E-07	4.38E-07	6.94E-07	1.20E-07	8.78E-08	3.18E-06
5845	489041.96	3859760.67	4.79E-03	4.89E-03	4.88E-03	1.66E-06	5.01E-06	2.90E-06	2.96E-06	2.68E-06	1.20E-06	1.22E-06	5.54E-08	1.34E-06	2.95E-07	4.02E-07	6.37E-07	1.10E-07	8.06E-08	2.92E-06
5846	488950.45	3859761.05	4.41E-03	4.50E-03	4.49E-03	1.53E-06	4.60E-06	2.67E-06	2.72E-06	2.47E-06	1.10E-06	1.12E-06	5.09E-08	1.23E-06	2.71E-07	3.69E-07	5.86E-07	1.01E-07	7.41E-08	2.68E-06
5847	488858.94	3859761.43	4.07E-03	4.16E-03	4.15E-03	1.41E-06	4.26E-06	2.46E-06	2.51E-06	2.28E-06	1.02E-06	1.04E-06	4.71E-08	1.14E-06	2.51E-07	3.41E-07	5.42E-07	9.36E-08	6.85E-08	2.48E-06
5848	488767.43	3859761.82	3.74E-03	3.82E-03	3.82E-03	1.30E-06	3.91E-06	2.27E-06	2.31E-06	2.10E-06	9.37E-07	9.55E-07	4.33E-08	1.05E-06	2.31E-07	3.14E-07	4.98E-07	8.60E-08	6.30E-08	2.28E-06
5849	488675.92	3859762.2	3.46E-03	3.54E-03	3.53E-03	1.20E-06	3.62E-06	2.10E-06	2.14E-06	1.94E-06	8.67E-07	8.84E-07	4.01E-08	9.67E-07	2.13E-07	2.90E-07	4.61E-07	7.96E-08	5.83E-08	2.11E-06
5850	488584.41	3859762.58	3.19E-03	3.26E-03	3.26E-03	1.11E-06	3.34E-06	1.93E-06	1.97E-06	1.79E-06	7.99E-07	8.15E-07	3.69E-08	8.92E-07	1.97E-07	2.68E-07	4.25E-07	7.34E-08	5.37E-08	1.95E-06
5851	488492.9	3859762.96	2.96E-03	3.02E-03	3.02E-03	1.02E-06	3.09E-06	1.79E-06	1.83E-06	1.66E-06	7.41E-07	7.55E-07	3.42E-08	8.26E-07	1.82E-07	2.48E-07	3.94E-07	6.80E-08	4.98E-08	1.80E-06
5852	488402.76	3859830.95	2.64E-03	2.70E-03	2.70E-03	9.15E-07	2.76E-06	1.60E-06	1.63E-06	1.48E-06	6.62E-07	6.75E-07	3.06E-08	7.38E-07	1.63E-07	2.22E-07	3.52E-07	6.07E-08	4.45E-08	1.61E-06
5853	488404.14	3859898.55	2.53E-03	2.58E-03	2.58E-03	8.76E-07	2.65E-06	1.53E-06	1.56E-06	1.42E-06	6.33E-07	6.46E-07	2.93E-08	7.07E-07	1.56E-07	2.12E-07	3.37E-07	5.81E-08	4.26E-08	1.54E-06
5854	488505.18	3859964.96	2.61E-03	2.66E-03	2.66E-03	9.03E-07	2.73E-06	1.58E-06	1.61E-06	1.46E-06	6.53E-07	6.65E-07	3.02E-08	7.28E-07	1.61E-07	2.19E-07	3.47E-07	5.99E-08	4.39E-08	1.59E-06
5855	488604.85	3859963.76	2.80E-03	2.86E-03	2.85E-03	9.69E-07	2.92E-06	1.69E-06	1.73E-06	1.57E-06	7.00E-07	7.14E-07	3.23E-08	7.81E-07	1.72E-07	2.35E-07	3.72E-07	6.43E-08	4.71E-08	1.70E-06
5856	488704.51	3859962.56	3.01E-03	3.07E-03	3.07E-03	1.04E-06	3.15E-06	1.82E-06	1.86E-06	1.68E-06	7.53E-07	7.68E-07	3.48E-08	8.40E-07	1.85E-07	2.52E-07	4.00E-07	6.91E-08	5.06E-08	1.83E-06
5857	488804.18	3859961.37	3.24E-03	3.31E-03	3.30E-03	1.12E-06	3.39E-06	1.96E-06	2.00E-06	1.81E-06	8.11E-07	8.27E-07	3.75E-08	9.05E-07	2.00E-07	2.72E-07	4.31E-07	7.45E-08	5.45E-08	1.97E-06
5858	488903.85	3859960.17	3.49E-03	3.56E-03	3.56E-03	1.21E-06	3.65E-06	2.11E-06	2.16E-06	1.95E-06	8.74E-07	8.91E-07	4.04E-08	9.75E-07	2.15E-07	2.93E-07	4.64E-07	8.02E-08	5.87E-08	2.13E-06
5859	489003.52	3859958.97	3.75E-03	3.83E-03	3.82E-03	1.30E-06	3.92E-06	2.27E-06	2.32E-06	2.10E-06	9.39E-07	9.57E-07	4.34E-08	1.05E-06	2.31E-07	3.14E-07	4.99E-07	8.62E-08	6.31E-08	2.28E-06
5860	489103.18	3859957.77	4.04E-03	4.12E-03	4.12E-03	1.40E-06	4.22E-06	2.44E-06	2.49E-06	2.26E-06	1.01E-06	1.03E-06	4.67E-08	1.13E-06	2.49E-07	3.39E-07	5.37E-07	9.28E-08	6.80E-08	2.46E-06
5861	489201.48	3860046.59	3.96E-03	4.04E-03	4.04E-03	1.37E-06	4.14E-06	2.40E-06	2.45E-06	2.22E-06	9.92E-07	1.01E-06	4.58E-08	1.11E-06	2.44E-07	3.32E-07	5.27E-07	9.10E-08	6.67E-08	2.41E-06
5862	489200.11	3860136.61	3.60E-03	3.67E-03	3.67E-03	1.25E-06	3.76E-06	2.18E-06	2.22E-06	2.01E-06	9.01E-07	9.18E-07	4.16E-08	1.01E-06	2.22E-07	3.02E-07	4.79E-07	8.27E-08	6.06E-08	2.19E-06
5863	489198.74	3860226.63	3.29E-03	3.36E-03	3.36E-03	1.14E-06	3.44E-06	1.99E-06	2.03E-06	1.84E-06	8.24E-07	8.40E-07	3.81E-08	9.20E-07	2.03E-07	2.76E-07	4.38E-07	7.56E-08	5.54E-08	2.01E-06
5864	489197.38	3860316.66	3.02E-03	3.09E-03	3.08E-03	1.05E-06	3.16E-06	1.83E-06	1.87E-06	1.69E-06	7.57E-07	7.71E-07	3.50E-08	8.44E-07	1.86E-07	2.53E-07	4.02E-07	6.94E-08	5.09E-08	1.84E-06

5865	489196.01	3860406.68	2.80E-03	2.86E-03	2.85E-03	9.69E-07	2.92E-06	1.69E-06	1.73E-06	1.57E-06	7.00E-07	7.14E-07	3.23E-08	7.81E-07	1.72E-07	2.35E-07	3.72E-07	6.43E-08	4.71E-08	1.70E-06
5866	489194.64	3860496.7	2.58E-03	2.63E-03	2.63E-03	8.93E-07	2.70E-06	1.56E-06	1.59E-06	1.44E-06	6.46E-07	6.58E-07	2.98E-08	7.21E-07	1.59E-07	2.16E-07	3.43E-07	5.93E-08	4.34E-08	1.57E-06
5867	489193.27	3860586.72	2.41E-03	2.46E-03	2.45E-03	8.33E-07	2.51E-06	1.46E-06	1.49E-06	1.35E-06	6.02E-07	6.14E-07	2.78E-08	6.72E-07	1.48E-07	2.02E-07	3.20E-07	5.53E-08	4.05E-08	1.47E-06
5868	489092.02	3860678.13	2.16E-03	2.20E-03	2.20E-03	7.46E-07	2.25E-06	1.30E-06	1.33E-06	1.21E-06	5.39E-07	5.50E-07	2.49E-08	6.02E-07	1.33E-07	1.81E-07	2.87E-07	4.95E-08	3.63E-08	1.31E-06
5869	488992.13	3860679.53	2.07E-03	2.11E-03	2.11E-03	7.17E-07	2.16E-06	1.25E-06	1.28E-06	1.16E-06	5.18E-07	5.28E-07	2.39E-08	5.78E-07	1.28E-07	1.74E-07	2.75E-07	4.75E-08	3.48E-08	1.26E-06
5870	488892.25	3860680.92	1.99E-03	2.03E-03	2.03E-03	6.90E-07	2.08E-06	1.21E-06	1.23E-06	1.12E-06	4.99E-07	5.08E-07	2.30E-08	5.56E-07	1.23E-07	1.67E-07	2.65E-07	4.58E-08	3.35E-08	1.21E-06
5871	488792.36	3860682.31	1.91E-03	1.95E-03	1.95E-03	6.63E-07	2.00E-06	1.16E-06	1.18E-06	1.07E-06	4.79E-07	4.88E-07	2.21E-08	5.35E-07	1.18E-07	1.60E-07	2.55E-07	4.40E-08	3.22E-08	1.17E-06
5872	488692.48	3860683.7	1.84E-03	1.88E-03	1.88E-03	6.38E-07	1.93E-06	1.12E-06	1.14E-06	1.03E-06	4.61E-07	4.70E-07	2.13E-08	5.15E-07	1.14E-07	1.55E-07	2.45E-07	4.23E-08	3.10E-08	1.12E-06
5873	488592.59	3860685.1	1.76E-03	1.80E-03	1.80E-03	6.11E-07	1.84E-06	1.07E-06	1.09E-06	9.88E-07	4.42E-07	4.50E-07	2.04E-08	4.93E-07	1.09E-07	1.48E-07	2.35E-07	4.05E-08	2.97E-08	1.07E-06
5874	488492.71	3860686.49	1.71E-03	1.74E-03	1.74E-03	5.91E-07	1.78E-06	1.03E-06	1.05E-06	9.56E-07	4.27E-07	4.36E-07	1.97E-08	4.77E-07	1.05E-07	1.43E-07	2.27E-07	3.92E-08	2.87E-08	1.04E-06
5875	488299.07	3860762.18	1.56E-03	1.59E-03	1.59E-03	5.40E-07	1.63E-06	9.43E-07	9.62E-07	8.72E-07	3.90E-07	3.98E-07	1.80E-08	4.35E-07	9.60E-08	1.31E-07	2.07E-07	3.58E-08	2.62E-08	9.49E-07
5876	488205.32	3860764.09	1.50E-03	1.53E-03	1.53E-03	5.18E-07	1.56E-06	9.06E-07	9.24E-07	8.38E-07	3.75E-07	3.82E-07	1.73E-08	4.18E-07	9.22E-08	1.25E-07	1.99E-07	3.44E-08	2.52E-08	9.11E-07
5877	488111.56	3860766	1.43E-03	1.46E-03	1.46E-03	4.96E-07	1.50E-06	8.67E-07	8.85E-07	8.02E-07	3.59E-07	3.66E-07	1.66E-08	4.00E-07	8.83E-08	1.20E-07	1.91E-07	3.29E-08	2.41E-08	8.73E-07
5878	488017.81	3860767.91	1.37E-03	1.40E-03	1.40E-03	4.75E-07	1.44E-06	8.31E-07	8.48E-07	7.69E-07	3.44E-07	3.50E-07	1.59E-08	3.83E-07	8.46E-08	1.15E-07	1.83E-07	3.15E-08	2.31E-08	8.36E-07
5879	487924.06	3860769.81	1.32E-03	1.35E-03	1.34E-03	4.57E-07	1.38E-06	7.98E-07	8.15E-07	7.38E-07	3.30E-07	3.37E-07	1.52E-08	3.68E-07	8.13E-08	1.11E-07	1.75E-07	3.03E-08	2.22E-08	8.03E-07
5880	487830.31	3860771.72	1.27E-03	1.30E-03	1.30E-03	4.40E-07	1.33E-06	7.69E-07	7.84E-07	7.11E-07	3.18E-07	3.24E-07	1.47E-08	3.55E-07	7.83E-08	1.07E-07	1.69E-07	2.92E-08	2.14E-08	7.74E-07
5881	487736.55	3860773.63	1.23E-03	1.25E-03	1.25E-03	4.25E-07	1.28E-06	7.42E-07	7.57E-07	6.86E-07	3.07E-07	3.13E-07	1.42E-08	3.42E-07	7.56E-08	1.03E-07	1.63E-07	2.82E-08	2.06E-08	7.47E-07
5882	487642.8	3860775.54	1.19E-03	1.21E-03	1.21E-03	4.12E-07	1.24E-06	7.20E-07	7.34E-07	6.66E-07	2.98E-07	3.03E-07	1.38E-08	3.32E-07	7.33E-08	9.97E-08	1.58E-07	2.73E-08	2.00E-08	7.24E-07
5883	487549.48	3860684.71	1.19E-03	1.21E-03	1.21E-03	4.12E-07	1.24E-06	7.19E-07	7.34E-07	6.65E-07	2.98E-07	3.03E-07	1.37E-08	3.32E-07	7.33E-08	9.97E-08	1.58E-07	2.73E-08	2.00E-08	7.24E-07
5884	487549.91	3860591.97	1.22E-03	1.24E-03	1.24E-03	4.21E-07	1.27E-06	7.36E-07	7.51E-07	6.81E-07	3.04E-07	3.10E-07	1.41E-08	3.40E-07	7.49E-08	1.02E-07	1.62E-07	2.79E-08	2.05E-08	7.41E-07
5885	487550.34	3860499.23	1.25E-03	1.28E-03	1.27E-03	4.33E-07	1.31E-06	7.57E-07	7.72E-07	7.00E-07	3.13E-07	3.19E-07	1.45E-08	3.49E-07	7.71E-08	1.05E-07	1.66E-07	2.87E-08	2.10E-08	7.62E-07
5886	487550.76	3860406.49	1.29E-03	1.32E-03	1.31E-03	4.46E-07	1.35E-06	7.80E-07	7.96E-07	7.22E-07	3.23E-07	3.29E-07	1.49E-08	3.60E-07	7.94E-08	1.08E-07	1.71E-07	2.96E-08	2.17E-08	7.85E-07
5887	487551.19	3860313.75	1.32E-03	1.35E-03	1.35E-03	4.58E-07	1.38E-06	8.01E-07	8.18E-07	7.41E-07	3.31E-07	3.38E-07	1.53E-08	3.70E-07	8.16E-08	1.11E-07	1.76E-07	3.04E-08	2.23E-08	8.06E-07
5888	487551.62	3860221.01	1.36E-03	1.39E-03	1.39E-03	4.72E-07	1.42E-06	8.25E-07	8.41E-07	7.63E-07	3.41E-07	3.48E-07	1.58E-08	3.81E-07	8.40E-08	1.14E-07	1.81E-07	3.13E-08	2.29E-08	8.30E-07
5889	487552.05	3860128.27	1.41E-03	1.44E-03	1.44E-03	4.88E-07	1.47E-06	8.54E-07	8.71E-07	7.90E-07	3.53E-07	3.60E-07	1.63E-08	3.94E-07	8.69E-08	1.18E-07	1.88E-07	3.24E-08	2.37E-08	8.59E-07
5890	487552.48	3860035.53	1.46E-03	1.49E-03	1.48E-03	5.04E-07	1.52E-06	8.81E-07	8.99E-07	8.15E-07	3.65E-07	3.72E-07	1.68E-08	4.07E-07	8.97E-08	1.22E-07	1.94E-07	3.35E-08	2.45E-08	8.87E-07
5891	487552.91	3859942.79	1.49E-03	1.52E-03	1.52E-03	5.15E-07	1.56E-06	9.01E-07	9.19E-07	8.33E-07	3.73E-07	3.80E-07	1.72E-08	4.16E-07	9.17E-08	1.25E-07	1.98E-07	3.42E-08	2.51E-08	9.07E-07
5892	487553.33	3859850.05	1.54E-03	1.57E-03	1.57E-03	5.32E-07	1.61E-06	9.30E-07	9.49E-07	8.61E-07	3.85E-07	3.92E-07	1.78E-08	4.29E-07	9.47E-08	1.29E-07	2.04E-07	3.53E-08	2.59E-08	9.36E-07
5893	487553.76	3859757.31	1.58E-03	1.61E-03	1.61E-03	5.46E-07	1.65E-06	9.54E-07	9.73E-07	8.82E-07	3.94E-07	4.02E-07	1.82E-08	4.40E-07	9.71E-08	1.32E-07	2.10E-07	3.62E-08	2.65E-08	9.60E-07
5894	487554.19	3859664.57	1.61E-03	1.64E-03	1.64E-03	5.58E-07	1.68E-06	9.75E-07	9.95E-07	9.02E-07	4.03E-07	4.11E-07	1.86E-08	4.50E-07	9.93E-08	1.35E-07	2.14E-07	3.70E-08	2.71E-08	9.81E-07
5895	487460.2	3859571.05	1.55E-03	1.58E-03	1.58E-03	5.35E-07	1.62E-06	9.35E-07	9.54E-07	8.65E-07	3.87E-07	3.94E-07	1.79E-08	4.32E-07	9.52E-08	1.30E-07	2.06E-07	3.55E-08	2.60E-08	9.41E-07
5896	487365.78	3859570.27	1.47E-03	1.50E-03	1.50E-03	5.08E-07	1.53E-06	8.88E-07	9.07E-07	8.22E-07	3.67E-07	3.75E-07	1.70E-08	4.10E-07	9.05E-08	1.23E-07	1.95E-07	3.37E-08	2.47E-08	8.94E-07
5897	487271.36	3859569.48	1.40E-03	1.43E-03	1.42E-03	4.84E-07	1.46E-06	8.45E-07	8.63E-07	7.82E-07	3.50E-07	3.56E-07	1.62E-08	3.90E-07	8.61E-08	1.17E-07	1.86E-07	3.21E-08	2.35E-08	8.51E-07
5898	487176.94	3859568.7	1.33E-03	1.36E-03	1.36E-03	4.61E-07	1.39E-06	8.07E-07	8.23E-07	7.46E-07	3.34E-07	3.40E-07	1.54E-08	3.72E-07	8.21E-08	1.12E-07	1.77E-07	3.06E-08	2.24E-08	8.12E-07
5899	487082.51	3859567.92	1.28E-03	1.30E-03	1.30E-03	4.42E-07	1.33E-06	7.72E-07	7.88E-07	7.14E-07	3.19E-07	3.26E-07	1.48E-08	3.56E-07	7.86E-08	1.07E-07	1.70E-07	2.93E-08	2.15E-08	7.77E-07
5900	486988.09	3859567.14	1.22E-03	1.25E-03	1.25E-03	4.24E-07	1.28E-06	7.41E-07	7.56E-07	6.85E-07	3.06E-07	3.12E-07	1.42E-08	3.42E-07	7.54E-08	1.03E-07	1.63E-07	2.81E-08	2.06E-08	7.46E-07
5901	486893.67	3859566.36	1.18E-03	1.20E-03	1.20E-03	4.07E-07	1.23E-06	7.12E-07	7.27E-07	6.59E-07	2.95E-07	3.00E-07	1.36E-08	3.29E-07	7.25E-08	9.87E-08	1.57E-07	2.70E-08	1.98E-08	7.17E-07
5902	486799.25	3859565.58	1.13E-03	1.16E-03	1.16E-03	3.92E-07	1.18E-06	6.86E-07	7.00E-07	6.34E-07	2.84E-07	2.89E-07	1.31E-08	3.17E-07	6.98E-08	9.50E-08	1.51E-07	2.60E-08	1.91E-08	6.90E-07
5903	486704.83	3859564.79	1.09E-03	1.12E-03	1.12E-03	3.79E-07	1.14E-06	6.62E-07	6.76E-07	6.12E-07	2.74E-07	2.79E-07	1.26E-08	3.05E-07	6.74E-08	9.17E-08	1.45E-07	2.51E-08	1.84E-08	6.66E-07
5904	486610.41	3859564.01	1.06E-03	1.08E-03	1.08E-03	3.66E-07	1.11E-06	6.40E-07	6.53E-07	5.92E-07	2.65E-07	2.70E-07	1.22E-08	2.95E-07	6.52E-08	8.87E-08	1.41E-07	2.43E-08	1.78E-08	6.44E-07
5905	486515.99	3859563.23	1.02E-03	1.04E-03	1.04E-03	3.54E-07	1.07E-06	6.18E-07	6.31E-07	5.72E-07	2.56E-07	2.61E-07	1.18E-08	2.85E-07	6.30E-08	8.57E-08	1.36E-07	2.35E-08	1.72E-08	6.23E-07
5906	486421.57	3859562.45	9.91E-04	1.01E-03	1.01E-03	3.43E-07	1.04E-06	5.99E-07	6.12E-07	5.54E-07	2.48E-07	2.53E-07	1.15E-08	2.77E-07	6.10E-08	8.30E-08	1.32E-07	2.28E-08	1.67E-08	6.03E-07
5907	486327.14	3859561.67	9.62E-04	9.82E-04	9.81E-04	3.33E-07	1.01E-06	5.82E-07	5.94E-07	5.39E-07	2.41E-07	2.45E-07	1.11E-08	2.69E-07	5.93E-08	8.07E-08	1.28E-07	2.21E-08	1.62E-08	5.86E-07
5908	486232.72	3859560.89	9.34E-04	9.53E-04	9.52E-04	3.23E-07	9.77E-07	5.65E-07	5.77E-07	5.23E-07	2.34E-07	2.38E-07	1.08E-08	2.61E-07	5.76E-08	7.83E-08	1.24E-07	2.15E-08	1.57E-08	5.69E-07
5909	486138.3	3859560.1	9.09E-04	9.28E-04	9.27E-04	3.15E-07	9.50E-07	5.50E-07	5.61E-07	5.09E-07	2.28E-07	2.32E-07	1.05E-08	2.54E-07	5.60E-08	7.62E-08	1.21E-07	2.09E-08	1.53E-08	5.54E-07
5910	486043.88	3859559.32	8.85E-04	9.03E-04	9.02E-04	3.06E-07	9.25E-07	5.35E-07	5.46E-07	4.95E-07	2.21E-07	2.26E-07	1.02E-08	2.47E-07	5.45E-08	7.42E-08	1.18E-07	2.03E-08	1.49E-08	5.39E-07
5911	485949.35	3859463.54	8.72E-04	8.90E-04	8.89E-04	3.02E-07	9.11E-07	5.28E-07	5.38E-07	4.88E-07	2.18E-07	2.22E-07	1.01E-08	2.43E-07	5.37E-08	7.31E-08	1.16E-07	2.00E-08	1.47E-08	5.31E-07
5912	485949.24	3859368.55	8.81E-04	8.99E-04	8.98E-04	3.05E-07	9.21E-07	5.33E-07	5.44E-07	4.93E-07	2.21E-07	2.25E-07	1.02E-08	2.46E-07	5.43E-08	7.39E-08	1.17E-07	2.02E-08	1.48E-08	5.37E-07
5913	485949.12	3859273.55	8.90E-04	9.09E-04	9.08E-04	3.08E-07	9.31E-07	5.39E-07	5.50E-07	4.98E-07	2.23E-07	2.27E-07	1.03E-08	2.49E-07	5.49E-08	7.46E-08	1.18E-07	2.05E-08	1.50E-08	5.42E-07
5914	485949.01	3859178.56	8.99E-04	9.17E-04	9.16E-04	3.11E-07	9.40E-07	5.44E-07	5.55E-07	5.03E-07	2.25E-07	2.29E-07	1.04E-08	2.51E-07	5.54E-08	7.54E-08	1.20E-07	2.06E-08	1.51E-08	5.47E-07
5915	485948.9	3859083.56	9.09E-04	9.27E-04	9.26E-04	3.15E-07	9.50E-07	5.50E-07	5.61E-07	5.09E-07	2.27E-07	2.32E-07	1.05E-08	2.54E-07	5.60E-08	7.62E-08	1.21E-07	2.09E-08	1.53E-08	5.53E-07
5916	485948.79	3858988.56	9.17E-04	9.36E-04	9.35E-04	3.18E-07	9.59E-07	5.55E-07	5.66E-07	5.13E-07	2.30E-07	2.34E-07	1.06E-08	2.56E-07	5.65E-08	7.69E-08	1.22E-07	2.11E-08	1.54E-08	5.59E-07
5917	485948.67	3858893.57	9.25E-04	9.44E-04	9.42E-04	3.20E-07	9.66E-07	5.59E-07	5.71E-07	5.18E-07	2.31E-07	2.36E-07	1.07E-08	2.58E-07	5.70E-08	7.75E-08	1.23E-07	2.12E-08	1.56E-08	5.63E-07
5918	485948.56	3858798.57	9.32E-04	9.51E-04	9.50E-04	3.23E-07	9.74E-07	5.64E-07	5.75E-07	5.21E-07	2.33E-07	2.38E-07	1.08E-08	2.60E-07	5.74E-08	7.81E-08	1.24E-07	2.14E-08	1.57E-08	5.67E-07
5919	485948.45	3858703.58	9.33E-04	9.53E-04	9.51E-04	3.23E-07	9.76E-07	5.65E-07	5.76E-07	5.22E-07	2.34E-07	2.38E-07	1.08E-08	2.61E-07	5.75E-08	7.83E-08	1.24E-07	2.14E-08	1.57E-08	5.68E-07
5920	485948.34	3858608.58	9.36E-04	9.55E-04	9.54E-04	3.24E-07	9.78E-07	5.66E-07	5.78E-07	5.24E-07	2.34E-07	2.39E-07	1.08E-08	2.61E-07	5.76E-08	7.84E-08	1.24E-07	2.15E-08	1.57E-08	5.70E-07
5921	485948.22	3858513.59	9.35E-04	9.54E-04	9.53E-04	3.24E-07	9.77E-07	5.66E-07	5.77E-07	5.23E-07	2.34E-07	2.38E-07	1.08E-08	2.61E-07	5.76E-08	7.84E-08	1.24E-07	2.15E-08	1.57E-08	5.69E-07

5922	485948.11	3858418.59	9.31E-04	9.50E-04	9.48E-04	3.22E-07	9.73E-07	5.63E-07	5.75E-07	5.21E-07	2.33E-07	2.37E-07	1.08E-08	2.60E-07	5.73E-08	7.80E-08	1.24E-07	2.14E-08	1.57E-08	5.67E-07
5923	485948	3858323.59	9.24E-04	9.43E-04	9.42E-04	3.20E-07	9.66E-07	5.59E-07	5.70E-07	5.17E-07	2.31E-07	2.36E-07	1.07E-08	2.58E-07	5.69E-08	7.74E-08	1.23E-07	2.12E-08	1.55E-08	5.63E-07
5924	485947.89	3858228.6	9.12E-04	9.30E-04	9.29E-04	3.16E-07	9.53E-07	5.52E-07	5.63E-07	5.10E-07	2.28E-07	2.33E-07	1.05E-08	2.55E-07	5.62E-08	7.64E-08	1.21E-07	2.09E-08	1.53E-08	5.55E-07
5925	485947.77	3858133.6	8.97E-04	9.16E-04	9.14E-04	3.11E-07	9.38E-07	5.43E-07	5.54E-07	5.02E-07	2.25E-07	2.29E-07	1.04E-08	2.51E-07	5.53E-08	7.52E-08	1.19E-07	2.06E-08	1.51E-08	5.46E-07
5926	485947.66	3858038.61	8.84E-04	9.02E-04	9.01E-04	3.06E-07	9.24E-07	5.35E-07	5.46E-07	4.95E-07	2.21E-07	2.26E-07	1.02E-08	2.47E-07	5.45E-08	7.41E-08	1.18E-07	2.03E-08	1.49E-08	5.39E-07
5927	485854.54	3857943.35	8.62E-04	8.79E-04	8.78E-04	2.98E-07	9.01E-07	5.21E-07	5.32E-07	4.82E-07	2.16E-07	2.20E-07	9.96E-09	2.41E-07	5.31E-08	7.22E-08	1.15E-07	1.98E-08	1.45E-08	5.25E-07
5928	485761.52	3857943.09	8.55E-04	8.72E-04	8.71E-04	2.96E-07	8.93E-07	5.17E-07	5.28E-07	4.78E-07	2.14E-07	2.18E-07	9.88E-09	2.39E-07	5.26E-08	7.16E-08	1.14E-07	1.96E-08	1.44E-08	5.20E-07
5929	485668.51	3857942.83	8.48E-04	8.65E-04	8.64E-04	2.94E-07	8.86E-07	5.13E-07	5.24E-07	4.75E-07	2.12E-07	2.16E-07	9.80E-09	2.37E-07	5.23E-08	7.11E-08	1.13E-07	1.95E-08	1.43E-08	5.16E-07
5930	485575.5	3857942.56	8.40E-04	8.58E-04	8.57E-04	2.91E-07	8.78E-07	5.08E-07	5.19E-07	4.70E-07	2.10E-07	2.14E-07	9.71E-09	2.35E-07	5.18E-08	7.04E-08	1.12E-07	1.93E-08	1.41E-08	5.12E-07
5931	485482.48	3857942.3	8.34E-04	8.51E-04	8.50E-04	2.89E-07	8.71E-07	5.04E-07	5.15E-07	4.67E-07	2.09E-07	2.13E-07	9.64E-09	2.33E-07	5.14E-08	6.99E-08	1.11E-07	1.91E-08	1.40E-08	5.08E-07
5932	485389.47	3857942.04	8.26E-04	8.43E-04	8.42E-04	2.86E-07	8.64E-07	5.00E-07	5.10E-07	4.62E-07	2.07E-07	2.11E-07	9.55E-09	2.31E-07	5.09E-08	6.93E-08	1.10E-07	1.90E-08	1.39E-08	5.03E-07
5933	485296.46	3857941.78	8.19E-04	8.36E-04	8.35E-04	2.83E-07	8.56E-07	4.95E-07	5.06E-07	4.58E-07	2.05E-07	2.09E-07	9.47E-09	2.29E-07	5.05E-08	6.86E-08	1.09E-07	1.88E-08	1.38E-08	4.99E-07
5934	485203.45	3857941.52	8.12E-04	8.28E-04	8.27E-04	2.81E-07	8.48E-07	4.91E-07	5.01E-07	4.54E-07	2.03E-07	2.07E-07	9.38E-09	2.27E-07	5.00E-08	6.81E-08	1.08E-07	1.86E-08	1.37E-08	4.94E-07
5935	485110.43	3857941.26	8.04E-04	8.20E-04	8.19E-04	2.78E-07	8.40E-07	4.86E-07	4.96E-07	4.50E-07	2.01E-07	2.05E-07	9.29E-09	2.24E-07	4.95E-08	6.74E-08	1.07E-07	1.85E-08	1.35E-08	4.90E-07
5936	485017.42	3857940.99	7.96E-04	8.12E-04	8.11E-04	2.76E-07	8.32E-07	4.82E-07	4.91E-07	4.45E-07	1.99E-07	2.03E-07	9.20E-09	2.22E-07	4.90E-08	6.67E-08	1.06E-07	1.83E-08	1.34E-08	4.85E-07
5937	484924.41	3857940.73	7.88E-04	8.04E-04	8.03E-04	2.73E-07	8.24E-07	4.77E-07	4.87E-07	4.41E-07	1.97E-07	2.01E-07	9.11E-09	2.20E-07	4.86E-08	6.61E-08	1.05E-07	1.81E-08	1.33E-08	4.80E-07
5938	484831.39	3857940.47	7.81E-04	7.97E-04	7.96E-04	2.70E-07	8.16E-07	4.73E-07	4.82E-07	4.37E-07	1.96E-07	1.99E-07	9.03E-09	2.18E-07	4.81E-08	6.55E-08	1.04E-07	1.79E-08	1.31E-08	4.76E-07
5939	484738.12	3857859.3	7.74E-04	7.90E-04	7.89E-04	2.68E-07	8.09E-07	4.68E-07	4.78E-07	4.33E-07	1.94E-07	1.97E-07	8.95E-09	2.16E-07	4.77E-08	6.49E-08	1.03E-07	1.78E-08	1.30E-08	4.71E-07
5940	484737.85	3857778.4	7.74E-04	7.90E-04	7.89E-04	2.68E-07	8.09E-07	4.68E-07	4.78E-07	4.33E-07	1.94E-07	1.97E-07	8.95E-09	2.16E-07	4.77E-08	6.49E-08	1.03E-07	1.78E-08	1.30E-08	4.71E-07
5941	484737.59	3857697.49	7.73E-04	7.89E-04	7.88E-04	2.68E-07	8.08E-07	4.68E-07	4.77E-07	4.33E-07	1.94E-07	1.97E-07	8.94E-09	2.16E-07	4.76E-08	6.48E-08	1.03E-07	1.78E-08	1.30E-08	4.71E-07
5942	484737.32	3857616.59	7.72E-04	7.88E-04	7.87E-04	2.67E-07	8.07E-07	4.67E-07	4.77E-07	4.32E-07	1.93E-07	1.97E-07	8.93E-09	2.16E-07	4.76E-08	6.47E-08	1.03E-07	1.77E-08	1.30E-08	4.70E-07
5943	484645.53	3857535.18	7.68E-04	7.84E-04	7.83E-04	2.66E-07	8.03E-07	4.65E-07	4.74E-07	4.30E-07	1.92E-07	1.96E-07	8.88E-09	2.14E-07	4.73E-08	6.44E-08	1.02E-07	1.76E-08	1.29E-08	4.68E-07
5944	484553.99	3857534.67	7.65E-04	7.80E-04	7.79E-04	2.65E-07	7.99E-07	4.63E-07	4.72E-07	4.28E-07	1.91E-07	1.95E-07	8.84E-09	2.14E-07	4.71E-08	6.41E-08	1.02E-07	1.76E-08	1.29E-08	4.66E-07
5945	484462.46	3857534.17	7.62E-04	7.78E-04	7.77E-04	2.64E-07	7.96E-07	4.61E-07	4.70E-07	4.26E-07	1.91E-07	1.94E-07	8.81E-09	2.13E-07	4.69E-08	6.39E-08	1.01E-07	1.75E-08	1.28E-08	4.64E-07
5946	484370.93	3857533.66	7.60E-04	7.75E-04	7.74E-04	2.63E-07	7.94E-07	4.60E-07	4.69E-07	4.25E-07	1.90E-07	1.94E-07	8.78E-09	2.12E-07	4.68E-08	6.37E-08	1.01E-07	1.74E-08	1.28E-08	4.63E-07
5947	484279.4	3857533.16	7.58E-04	7.73E-04	7.72E-04	2.62E-07	7.92E-07	4.58E-07	4.68E-07	4.24E-07	1.90E-07	1.93E-07	8.76E-09	2.12E-07	4.67E-08	6.35E-08	1.01E-07	1.74E-08	1.27E-08	4.61E-07
5948	484187.86	3857532.65	7.56E-04	7.71E-04	7.70E-04	2.62E-07	7.90E-07	4.57E-07	4.66E-07	4.23E-07	1.89E-07	1.93E-07	8.73E-09	2.11E-07	4.65E-08	6.33E-08	1.00E-07	1.74E-08	1.27E-08	4.60E-07
5949	484096.33	3857532.15	7.54E-04	7.69E-04	7.69E-04	2.61E-07	7.88E-07	4.56E-07	4.66E-07	4.22E-07	1.89E-07	1.92E-07	8.72E-09	2.11E-07	4.65E-08	6.32E-08	1.00E-07	1.73E-08	1.27E-08	4.59E-07
5950	484004.8	3857531.64	7.52E-04	7.67E-04	7.66E-04	2.60E-07	7.86E-07	4.55E-07	4.64E-07	4.21E-07	1.88E-07	1.92E-07	8.69E-09	2.10E-07	4.63E-08	6.30E-08	1.00E-07	1.73E-08	1.26E-08	4.58E-07
5951	483913.27	3857531.14	7.49E-04	7.64E-04	7.63E-04	2.59E-07	7.83E-07	4.53E-07	4.62E-07	4.19E-07	1.87E-07	1.91E-07	8.65E-09	2.09E-07	4.61E-08	6.28E-08	9.96E-08	1.72E-08	1.26E-08	4.56E-07
5952	483821.73	3857530.63	7.45E-04	7.61E-04	7.60E-04	2.58E-07	7.79E-07	4.51E-07	4.60E-07	4.17E-07	1.87E-07	1.90E-07	8.62E-09	2.08E-07	4.59E-08	6.25E-08	9.91E-08	1.71E-08	1.25E-08	4.54E-07
5953	483729.61	3857450.11	7.47E-04	7.62E-04	7.61E-04	2.59E-07	7.81E-07	4.52E-07	4.61E-07	4.18E-07	1.87E-07	1.91E-07	8.63E-09	2.09E-07	4.60E-08	6.26E-08	9.93E-08	1.72E-08	1.26E-08	4.55E-07
5954	483729.03	3857370.08	7.52E-04	7.68E-04	7.67E-04	2.60E-07	7.86E-07	4.55E-07	4.64E-07	4.21E-07	1.88E-07	1.92E-07	8.70E-09	2.10E-07	4.64E-08	6.31E-08	1.00E-07	1.73E-08	1.27E-08	4.58E-07
5955	483728.44	3857290.06	7.57E-04	7.72E-04	7.72E-04	2.62E-07	7.91E-07	4.58E-07	4.67E-07	4.24E-07	1.89E-07	1.93E-07	8.75E-09	2.11E-07	4.66E-08	6.35E-08	1.01E-07	1.74E-08	1.27E-08	4.61E-07
5956	483727.86	3857210.03	7.62E-04	7.77E-04	7.76E-04	2.64E-07	7.96E-07	4.61E-07	4.70E-07	4.26E-07	1.91E-07	1.94E-07	8.80E-09	2.13E-07	4.69E-08	6.39E-08	1.01E-07	1.75E-08	1.28E-08	4.64E-07
5957	483641.15	3857129.07	7.66E-04	7.81E-04	7.81E-04	2.65E-07	8.00E-07	4.63E-07	4.73E-07	4.29E-07	1.92E-07	1.95E-07	8.85E-09	2.14E-07	4.72E-08	6.42E-08	1.02E-07	1.76E-08	1.29E-08	4.66E-07
5958	483555.03	3857128.14	7.64E-04	7.79E-04	7.78E-04	2.64E-07	7.98E-07	4.62E-07	4.72E-07	4.27E-07	1.91E-07	1.95E-07	8.83E-09	2.13E-07	4.71E-08	6.40E-08	1.02E-07	1.75E-08	1.29E-08	4.65E-07
5959	483468.91	3857127.2	7.61E-04	7.76E-04	7.75E-04	2.63E-07	7.95E-07	4.60E-07	4.70E-07	4.26E-07	1.90E-07	1.94E-07	8.79E-09	2.12E-07	4.69E-08	6.38E-08	1.01E-07	1.75E-08	1.28E-08	4.63E-07
5960	483382.78	3857126.26	7.59E-04	7.74E-04	7.73E-04	2.63E-07	7.93E-07	4.59E-07	4.68E-07	4.25E-07	1.90E-07	1.94E-07	8.77E-09	2.12E-07	4.67E-08	6.36E-08	1.01E-07	1.74E-08	1.28E-08	4.62E-07
5961	483296.66	3857125.32	7.56E-04	7.71E-04	7.70E-04	2.62E-07	7.90E-07	4.57E-07	4.67E-07	4.23E-07	1.89E-07	1.93E-07	8.74E-09	2.11E-07	4.66E-08	6.34E-08	1.01E-07	1.74E-08	1.27E-08	4.60E-07
5962	483210.54	3857124.39	7.52E-04	7.68E-04	7.67E-04	2.60E-07	7.86E-07	4.55E-07	4.64E-07	4.21E-07	1.88E-07	1.92E-07	8.70E-09	2.10E-07	4.64E-08	6.31E-08	1.00E-07	1.73E-08	1.27E-08	4.58E-07
5963	483123.4	3857030.96	7.58E-04	7.74E-04	7.73E-04	2.62E-07	7.92E-07	4.59E-07	4.68E-07	4.24E-07	1.90E-07	1.93E-07	8.76E-09	2.12E-07	4.67E-08	6.36E-08	1.01E-07	1.74E-08	1.28E-08	4.62E-07
5964	483122.38	3856938.46	7.68E-04	7.84E-04	7.83E-04	2.66E-07	8.03E-07	4.65E-07	4.74E-07	4.30E-07	1.92E-07	1.96E-07	8.88E-09	2.14E-07	4.73E-08	6.44E-08	1.02E-07	1.76E-08	1.29E-08	4.68E-07
5965	483121.35	3856845.97	7.79E-04	7.95E-04	7.94E-04	2.70E-07	8.14E-07	4.71E-07	4.81E-07	4.36E-07	1.95E-07	1.99E-07	9.00E-09	2.17E-07	4.80E-08	6.53E-08	1.04E-07	1.79E-08	1.31E-08	4.74E-07
5966	483120.33	3856753.47	7.90E-04	8.06E-04	8.05E-04	2.73E-07	8.25E-07	4.78E-07	4.88E-07	4.42E-07	1.98E-07	2.01E-07	9.13E-09	2.20E-07	4.87E-08	6.62E-08	1.05E-07	1.81E-08	1.33E-08	4.81E-07
5967	483119.31	3856660.98	8.02E-04	8.19E-04	8.18E-04	2.78E-07	8.39E-07	4.85E-07	4.95E-07	4.49E-07	2.01E-07	2.05E-07	9.27E-09	2.24E-07	4.94E-08	6.73E-08	1.07E-07	1.84E-08	1.35E-08	4.89E-07
5968	483118.29	3856568.49	8.18E-04	8.35E-04	8.34E-04	2.83E-07	8.55E-07	4.95E-07	5.05E-07	4.58E-07	2.05E-07	2.09E-07	9.46E-09	2.28E-07	5.04E-08	6.86E-08	1.09E-07	1.88E-08	1.38E-08	4.98E-07
5969	483117.26	3856475.99	8.36E-04	8.53E-04	8.52E-04	2.89E-07	8.74E-07	5.06E-07	5.16E-07	4.68E-07	2.09E-07	2.13E-07	9.67E-09	2.33E-07	5.15E-08	7.01E-08	1.11E-07	1.92E-08	1.41E-08	5.09E-07
5970	483116.24	3856383.5	8.56E-04	8.73E-04	8.72E-04	2.96E-07	8.94E-07	5.18E-07	5.28E-07	4.79E-07	2.14E-07	2.18E-07	9.89E-09	2.39E-07	5.27E-08	7.17E-08	1.14E-07	1.97E-08	1.44E-08	5.21E-07
5971	483115.22	3856291.01	8.78E-04	8.95E-04	8.94E-04	3.04E-07	9.17E-07	5.31E-07	5.42E-07	4.91E-07	2.20E-07	2.24E-07	1.01E-08	2.45E-07	5.41E-08	7.36E-08	1.17E-07	2.02E-08	1.48E-08	5.34E-07
5972	483114.2	3856198.51	9.00E-04	9.19E-04	9.17E-04	3.12E-07	9.41E-07	5.45E-07	5.56E-07	5.04E-07	2.25E-07	2.30E-07	1.04E-08	2.51E-07	5.55E-08	7.55E-08	1.20E-07	2.07E-08	1.51E-08	5.48E-07
5973	483113.17	3856106.02	9.27E-04	9.46E-04	9.45E-04	3.21E-07	9.69E-07	5.61E-07	5.72E-07	5.19E-07	2.32E-07	2.36E-07	1.07E-08	2.59E-07	5.71E-08	7.77E-08	1.23E-07	2.13E-08	1.56E-08	5.65E-07
5974	483112.15	3856013.52	9.54E-04	9.74E-04	9.72E-04	3.30E-07	9.97E-07	5.77E-07	5.89E-07	5.34E-07	2.39E-07	2.43E-07	1.10E-08	2.66E-07	5.88E-08	8.00E-08	1.27E-07	2.19E-08	1.61E-08	5.81E-07
5975	483029.25	3855920.47	9.80E-04	1.00E-03	9.99E-04	3.39E-07	1.02E-06	5.93E-07	6.05E-07	5.49E-07	2.45E-07	2.50E-07	1.13E-08	2.74E-07	6.04E-08	8.22E-08	1.30E-07	2.25E-08	1.65E-08	5.97E-07
5976	482947.37	3855919.91	9.77E-04	9.97E-04	9.96E-04	3.38E-07	1.02E-06	5.91E-07	6.03E-07	5.47E-07	2.45E-07	2.49E-07	1.13E-08	2.73E-07	6.02E-08	8.19E-08	1.30E-07	2.24E-08	1.64E-08	5.95E-07
5977	482865.49	3855919.36	9.75E-04	9.95E-04	9.93E-04	3.37E-07	1.02E-06	5.90E-07	6.02E-07	5.46E-07	2.44E-07	2.49E-07	1.13E-08	2.72E-07	6.01E-08	8.17E-08	1.30E-07	2.24E-08	1.64E-08	5.94E-07
5978	482783.61	3855918.8	9.74E-04	9.94E-04	9.93E-04	3.37E-07	1.02E-06	5.90E-07	6.02E-07	5.45E-07	2.44E-07	2.49E-07	1.13E-08	2.72E-07	6.00E-08	8.17E-08	1.30E-07	2.24E-08	1.64E-08	5.93E-07

5979	482700.33	3855818.39	1.01E-03	1.03E-03	1.03E-03	3.49E-07	1.05E-06	6.10E-07	6.22E-07	5.64E-07	2.52E-07	2.57E-07	1.16E-08	2.81E-07	6.21E-08	8.45E-08	1.34E-07	2.31E-08	1.70E-08	6.14E-07
5980	482698.92	3855718.54	1.05E-03	1.07E-03	1.07E-03	3.62E-07	1.09E-06	6.33E-07	6.45E-07	5.85E-07	2.62E-07	2.67E-07	1.21E-08	2.92E-07	6.44E-08	8.76E-08	1.39E-07	2.40E-08	1.76E-08	6.37E-07
5981	482697.52	3855618.68	1.08E-03	1.11E-03	1.10E-03	3.75E-07	1.13E-06	6.56E-07	6.69E-07	6.07E-07	2.71E-07	2.77E-07	1.25E-08	3.03E-07	6.68E-08	9.09E-08	1.44E-07	2.49E-08	1.82E-08	6.60E-07
5982	482696.11	3855518.83	1.13E-03	1.15E-03	1.15E-03	3.90E-07	1.18E-06	6.82E-07	6.96E-07	6.31E-07	2.82E-07	2.88E-07	1.30E-08	3.15E-07	6.95E-08	9.45E-08	1.50E-07	2.59E-08	1.90E-08	6.87E-07
5983	482694.71	3855418.98	1.17E-03	1.19E-03	1.19E-03	4.05E-07	1.22E-06	7.09E-07	7.23E-07	6.55E-07	2.93E-07	2.99E-07	1.35E-08	3.27E-07	7.21E-08	9.82E-08	1.56E-07	2.69E-08	1.97E-08	7.13E-07
5984	482693.3	3855319.13	1.22E-03	1.24E-03	1.24E-03	4.22E-07	1.27E-06	7.37E-07	7.52E-07	6.82E-07	3.05E-07	3.11E-07	1.41E-08	3.40E-07	7.51E-08	1.02E-07	1.62E-07	2.80E-08	2.05E-08	7.42E-07
5985	482691.9	3855219.27	1.27E-03	1.30E-03	1.30E-03	4.40E-07	1.33E-06	7.69E-07	7.85E-07	7.11E-07	3.18E-07	3.24E-07	1.47E-08	3.55E-07	7.83E-08	1.07E-07	1.69E-07	2.92E-08	2.14E-08	7.74E-07
5986	482690.49	3855119.42	1.33E-03	1.35E-03	1.35E-03	4.60E-07	1.39E-06	8.03E-07	8.20E-07	7.43E-07	3.32E-07	3.39E-07	1.53E-08	3.71E-07	8.18E-08	1.11E-07	1.77E-07	3.05E-08	2.23E-08	8.08E-07
5987	482689.09	3855019.57	1.39E-03	1.42E-03	1.42E-03	4.82E-07	1.46E-06	8.43E-07	8.61E-07	7.80E-07	3.49E-07	3.56E-07	1.61E-08	3.89E-07	8.59E-08	1.17E-07	1.85E-07	3.20E-08	2.35E-08	8.49E-07
5988	482687.68	3854919.72	1.46E-03	1.49E-03	1.49E-03	5.07E-07	1.53E-06	8.86E-07	9.04E-07	8.20E-07	3.67E-07	3.74E-07	1.69E-08	4.09E-07	9.02E-08	1.23E-07	1.95E-07	3.36E-08	2.46E-08	8.92E-07
5989	482686.28	3854819.86	1.55E-03	1.58E-03	1.58E-03	5.36E-07	1.62E-06	9.37E-07	9.56E-07	8.66E-07	3.87E-07	3.95E-07	1.79E-08	4.32E-07	9.54E-08	1.30E-07	2.06E-07	3.56E-08	2.60E-08	9.43E-07
5990	482684.88	3854720.01	1.64E-03	1.67E-03	1.67E-03	5.67E-07	1.71E-06	9.90E-07	1.01E-06	9.16E-07	4.10E-07	4.17E-07	1.89E-08	4.57E-07	1.01E-07	1.37E-07	2.18E-07	3.76E-08	2.75E-08	9.97E-07
5991	482683.47	3854620.16	1.74E-03	1.78E-03	1.78E-03	6.04E-07	1.82E-06	1.06E-06	1.08E-06	9.76E-07	4.37E-07	4.45E-07	2.02E-08	4.87E-07	1.07E-07	1.46E-07	2.32E-07	4.01E-08	2.93E-08	1.06E-06
5992	482682.07	3854520.31	1.86E-03	1.90E-03	1.90E-03	6.45E-07	1.95E-06	1.13E-06	1.15E-06	1.04E-06	4.67E-07	4.76E-07	2.16E-08	5.21E-07	1.15E-07	1.56E-07	2.48E-07	4.28E-08	3.14E-08	1.14E-06
5993	482680.66	3854420.45	2.01E-03	2.05E-03	2.04E-03	6.94E-07	2.10E-06	1.21E-06	1.24E-06	1.12E-06	5.02E-07	5.12E-07	2.32E-08	5.60E-07	1.24E-07	1.68E-07	2.67E-07	4.61E-08	3.37E-08	1.22E-06
5994	482679.26	3854320.6	2.17E-03	2.22E-03	2.21E-03	7.52E-07	2.27E-06	1.31E-06	1.34E-06	1.22E-06	5.44E-07	5.54E-07	2.51E-08	6.07E-07	1.34E-07	1.82E-07	2.89E-07	4.99E-08	3.66E-08	1.32E-06
5995	482677.85	3854220.75	2.38E-03	2.43E-03	2.43E-03	8.24E-07	2.49E-06	1.44E-06	1.47E-06	1.33E-06	5.96E-07	6.07E-07	2.75E-08	6.65E-07	1.47E-07	2.00E-07	3.17E-07	5.47E-08	4.01E-08	1.45E-06
5996	482676.45	3854120.9	2.63E-03	2.68E-03	2.68E-03	9.10E-07	2.75E-06	1.59E-06	1.62E-06	1.47E-06	6.58E-07	6.71E-07	3.04E-08	7.34E-07	1.62E-07	2.20E-07	3.50E-07	6.04E-08	4.42E-08	1.60E-06
5997	482675.04	3854021.04	2.95E-03	3.01E-03	3.00E-03	1.02E-06	3.08E-06	1.78E-06	1.82E-06	1.65E-06	7.37E-07	7.51E-07	3.41E-08	8.23E-07	1.82E-07	2.47E-07	3.92E-07	6.77E-08	4.96E-08	1.79E-06
5998	482673.64	3853921.19	3.36E-03	3.43E-03	3.42E-03	1.16E-06	3.51E-06	2.03E-06	2.07E-06	1.88E-06	8.40E-07	8.57E-07	3.88E-08	9.38E-07	2.07E-07	2.81E-07	4.47E-07	7.71E-08	5.65E-08	2.05E-06
5999	482672.23	3853821.34	3.98E-03	4.06E-03	4.05E-03	1.38E-06	4.16E-06	2.41E-06	2.45E-06	2.23E-06	9.95E-07	1.01E-06	4.60E-08	1.11E-06	2.45E-07	3.33E-07	5.29E-07	9.13E-08	6.69E-08	2.42E-06
6000	482670.83	3853721.49	4.94E-03	5.04E-03	5.04E-03	1.71E-06	5.16E-06	2.99E-06	3.05E-06	2.77E-06	1.24E-06	1.26E-06	5.71E-08	1.38E-06	3.04E-07	4.14E-07	6.57E-07	1.13E-07	8.31E-08	3.01E-06
6001	482669.42	3853621.63	6.57E-03	6.70E-03	6.69E-03	2.27E-06	6.86E-06	3.97E-06	4.05E-06	3.68E-06	1.64E-06	1.68E-06	7.59E-08	1.83E-06	4.05E-07	5.50E-07	8.73E-07	1.51E-07	1.10E-07	4.00E-06
6002	482645.99	3853446.13	1.28E-02	1.31E-02	1.30E-02	4.43E-06	1.34E-05	7.75E-06	7.90E-06	7.16E-06	3.20E-06	3.27E-06	1.48E-07	3.57E-06	7.89E-07	1.07E-06	1.70E-06	2.94E-07	2.15E-07	7.80E-06
6003	482623.97	3853370.49	1.53E-02	1.56E-02	1.55E-02	5.28E-06	1.59E-05	9.23E-06	9.42E-06	8.54E-06	3.82E-06	3.89E-06	1.76E-07	4.26E-06	9.40E-07	1.28E-06	2.03E-06	3.50E-07	2.57E-07	9.29E-06
6004	482601.94	3853294.84	1.73E-02	1.77E-02	1.77E-02	6.00E-06	1.81E-05	1.05E-05	1.07E-05	9.70E-06	4.34E-06	4.42E-06	2.00E-07	4.84E-06	1.07E-06	1.45E-06	2.30E-06	3.98E-07	2.92E-07	1.06E-05
6005	482531.29	3853133.44	2.08E-02	2.12E-02	2.12E-02	7.20E-06	2.18E-05	1.26E-05	1.29E-05	1.16E-05	5.21E-06	5.31E-06	2.41E-07	5.81E-06	1.28E-06	1.74E-06	2.77E-06	4.78E-07	3.50E-07	1.27E-05
6006	482482.68	3853047.69	2.32E-02	2.37E-02	2.36E-02	8.03E-06	2.42E-05	1.40E-05	1.43E-05	1.30E-05	5.80E-06	5.91E-06	2.68E-07	6.47E-06	1.43E-06	1.94E-06	3.08E-06	5.33E-07	3.90E-07	1.41E-05
6007	482383.09	3852897.4	2.89E-02	2.95E-02	2.94E-02	1.00E-05	3.02E-05	1.75E-05	1.78E-05	1.62E-05	7.23E-06	7.37E-06	3.34E-07	8.06E-06	1.78E-06	2.42E-06	3.84E-06	6.63E-07	4.86E-07	1.76E-05
6008	482265.64	3852765.26	3.09E-02	3.15E-02	3.14E-02	1.07E-05	3.23E-05	1.87E-05	1.91E-05	1.73E-05	7.72E-06	7.87E-06	3.57E-07	8.62E-06	1.90E-06	2.59E-06	4.10E-06	7.09E-07	5.19E-07	1.88E-05
6009	482199.16	3852697.66	3.08E-02	3.15E-02	3.14E-02	1.07E-05	3.22E-05	1.87E-05	1.90E-05	1.73E-05	7.71E-06	7.86E-06	3.56E-07	8.61E-06	1.90E-06	2.58E-06	4.10E-06	7.08E-07	5.19E-07	1.88E-05
6010	482132.69	3852630.07	3.10E-02	3.16E-02	3.16E-02	1.07E-05	3.24E-05	1.88E-05	1.91E-05	1.74E-05	7.76E-06	7.91E-06	3.58E-07	8.66E-06	1.91E-06	2.60E-06	4.12E-06	7.12E-07	5.22E-07	1.89E-05
6011	482066.21	3852562.48	3.08E-02	3.14E-02	3.14E-02	1.07E-05	3.22E-05	1.86E-05	1.90E-05	1.72E-05	7.71E-06	7.85E-06	3.56E-07	8.60E-06	1.90E-06	2.58E-06	4.09E-06	7.07E-07	5.18E-07	1.88E-05
6012	481999.74	3852494.89	3.02E-02	3.08E-02	3.08E-02	1.05E-05	3.16E-05	1.83E-05	1.87E-05	1.69E-05	7.56E-06	7.71E-06	3.49E-07	8.44E-06	1.86E-06	2.53E-06	4.02E-06	6.94E-07	5.08E-07	1.84E-05
6013	481933.26	3852427.29	2.95E-02	3.01E-02	3.01E-02	1.02E-05	3.08E-05	1.79E-05	1.82E-05	1.65E-05	7.39E-06	7.53E-06	3.41E-07	8.24E-06	1.82E-06	2.47E-06	3.92E-06	6.78E-07	4.97E-07	1.80E-05
6014	481866.79	3852359.7	2.93E-02	2.99E-02	2.99E-02	1.02E-05	3.07E-05	1.77E-05	1.81E-05	1.64E-05	7.34E-06	7.48E-06	3.39E-07	8.19E-06	1.81E-06	2.46E-06	3.90E-06	6.74E-07	4.93E-07	1.79E-05
6015	481800.31	3852292.11	2.92E-02	2.98E-02	2.98E-02	1.01E-05	3.05E-05	1.77E-05	1.80E-05	1.64E-05	7.32E-06	7.46E-06	3.38E-07	8.16E-06	1.80E-06	2.45E-06	3.89E-06	6.71E-07	4.92E-07	1.78E-05
6016	481733.84	3852224.52	2.90E-02	2.96E-02	2.96E-02	1.01E-05	3.04E-05	1.76E-05	1.79E-05	1.63E-05	7.27E-06	7.41E-06	3.36E-07	8.11E-06	1.79E-06	2.43E-06	3.86E-06	6.67E-07	4.89E-07	1.77E-05
6017	481667.36	3852156.92	2.96E-02	3.02E-02	3.02E-02	1.03E-05	3.10E-05	1.79E-05	1.83E-05	1.66E-05	7.41E-06	7.55E-06	3.42E-07	8.27E-06	1.82E-06	2.48E-06	3.94E-06	6.80E-07	4.98E-07	1.80E-05
6018	481600.89	3852089.33	2.93E-02	2.99E-02	2.99E-02	1.02E-05	3.06E-05	1.77E-05	1.81E-05	1.64E-05	7.34E-06	7.48E-06	3.39E-07	8.19E-06	1.81E-06	2.46E-06	3.90E-06	6.73E-07	4.93E-07	1.79E-05
6019	481534.41	3852021.74	2.91E-02	2.97E-02	2.96E-02	1.01E-05	3.04E-05	1.76E-05	1.79E-05	1.63E-05	7.27E-06	7.41E-06	3.36E-07	8.11E-06	1.79E-06	2.44E-06	3.86E-06	6.67E-07	4.89E-07	1.77E-05
6020	481467.94	3851954.15	2.93E-02	2.98E-02	2.98E-02	1.01E-05	3.06E-05	1.77E-05	1.81E-05	1.64E-05	7.32E-06	7.46E-06	3.38E-07	8.17E-06	1.80E-06	2.45E-06	3.89E-06	6.72E-07	4.92E-07	1.78E-05
6021	481401.46	3851886.55	3.01E-02	3.08E-02	3.07E-02	1.04E-05	3.15E-05	1.82E-05	1.86E-05	1.69E-05	7.54E-06	7.69E-06	3.48E-07	8.42E-06	1.86E-06	2.53E-06	4.01E-06	6.92E-07	5.07E-07	1.84E-05
6022	481265.87	3851761.43	3.08E-02	3.14E-02	3.14E-02	1.07E-05	3.22E-05	1.86E-05	1.90E-05	1.72E-05	7.71E-06	7.86E-06	3.56E-07	8.60E-06	1.90E-06	2.58E-06	4.10E-06	7.07E-07	5.18E-07	1.88E-05
6023	481196.74	3851703.89	3.14E-02	3.20E-02	3.20E-02	1.09E-05	3.28E-05	1.90E-05	1.94E-05	1.76E-05	7.85E-06	8.00E-06	3.63E-07	8.76E-06	1.93E-06	2.63E-06	4.17E-06	7.20E-07	5.28E-07	1.91E-05
6024	481076.33	3851619.05	3.15E-02	3.21E-02	3.21E-02	1.09E-05	3.29E-05	1.90E-05	1.94E-05	1.76E-05	7.88E-06	8.03E-06	3.64E-07	8.79E-06	1.94E-06	2.64E-06	4.19E-06	7.23E-07	5.30E-07	1.92E-05
6025	480939.8	3851549.07	3.00E-02	3.06E-02	3.06E-02	1.04E-05	3.14E-05	1.81E-05	1.85E-05	1.68E-05	7.51E-06	7.65E-06	3.47E-07	8.38E-06	1.85E-06	2.51E-06	3.99E-06	6.89E-07	5.05E-07	1.83E-05
6026	480854.56	3851506.41	2.99E-02	3.05E-02	3.05E-02	1.04E-05	3.13E-05	1.81E-05	1.85E-05	1.67E-05	7.49E-06	7.63E-06	3.46E-07	8.35E-06	1.84E-06	2.51E-06	3.98E-06	6.87E-07	5.03E-07	1.82E-05
6027	480769.32	3851463.75	3.03E-02	3.09E-02	3.09E-02	1.05E-05	3.17E-05	1.83E-05	1.87E-05	1.70E-05	7.59E-06	7.73E-06	3.50E-07	8.46E-06	1.87E-06	2.54E-06	4.03E-06	6.96E-07	5.10E-07	1.85E-05
6028	480684.08	3851421.08	3.08E-02	3.15E-02	3.14E-02	1.07E-05	3.22E-05	1.86E-05	1.90E-05	1.73E-05	7.71E-06	7.86E-06	3.56E-07	8.61E-06	1.90E-06	2.58E-06	4.10E-06	7.08E-07	5.19E-07	1.88E-05
6029	480598.84	3851378.42	3.07E-02	3.14E-02	3.13E-02	1.06E-05	3.21E-05	1.86E-05	1.90E-05	1.72E-05	7.69E-06	7.84E-06	3.55E-07	8.58E-06	1.89E-06	2.58E-06	4.09E-06	7.06E-07	5.17E-07	1.87E-05
6030	480435.71	3851275.01	3.64E-02	3.71E-02	3.71E-02	1.26E-05	3.80E-05	2.20E-05	2.25E-05	2.04E-05	9.10E-06	9.28E-06	4.20E-07	1.02E-05	2.24E-06	3.05E-06	4.84E-06	8.35E-07	6.12E-07	2.22E-05
6031	480347.85	3851232.36	3.62E-02	3.69E-02	3.69E-02	1.25E-05	3.78E-05	2.19E-05	2.24E-05	2.03E-05	9.06E-06	9.24E-06	4.19E-07	1.01E-05	2.23E-06	3.04E-06	4.82E-06	8.32E-07	6.09E-07	2.21E-05
6032	480260	3851189.72	3.61E-02	3.69E-02	3.68E-02	1.25E-05	3.78E-05	2.19E-05	2.23E-05	2.02E-05	9.04E-06	9.21E-06	4.18E-07	1.01E-05	2.23E-06	3.03E-06	4.80E-06	8.30E-07	6.08E-07	2.20E-05
6033	480172.15	3851147.07	3.60E-02	3.68E-02	3.67E-02	1.25E-05	3.77E-05	2.18E-05	2.22E-05	2.02E-05	9.02E-06	9.19E-06	4.16E-07	1.01E-05	2.22E-06	3.02E-06	4.79E-06	8.28E-07	6.06E-07	2.19E-05
6034	480084.29	3851104.42	3.61E-02	3.69E-02	3.68E-02	1.25E-05	3.78E-05	2.19E-05	2.23E-05	2.02E-05	9.04E-06	9.22E-06	4.18E-07	1.01E-05	2.23E-06	3.03E-06	4.80E-06	8.30E-07	6.08E-07	2.20E-05
6035	479996.44	3851061.77	3.63E-02	3.70E-02	3.69E-02	1.25E-05	3.79E-05	2.19E-05	2.24E-05	2.03E-05	9.07E-06	9.25E-06	4.19E-07	1.01E-05	2.23E-06	3.04E-06	4.82E-06	8.33E-07	6.10E-07	2.21E-05

6036	479908.58	3851019.13	3.79E-02	3.87E-02	3.86E-02	1.31E-05	3.96E-05	2.29E-05	2.34E-05	2.12E-05	9.49E-06	9.67E-06	4.38E-07	1.06E-05	2.34E-06	3.18E-06	5.04E-06	8.71E-07	6.38E-07	2.31E-05
6037	479820.73	3850976.48	3.79E-02	3.86E-02	3.86E-02	1.31E-05	3.96E-05	2.29E-05	2.34E-05	2.12E-05	9.47E-06	9.66E-06	4.38E-07	1.06E-05	2.33E-06	3.17E-06	5.03E-06	8.69E-07	6.37E-07	2.31E-05
6038	479732.88	3850933.83	3.79E-02	3.87E-02	3.86E-02	1.31E-05	3.96E-05	2.29E-05	2.34E-05	2.12E-05	9.49E-06	9.67E-06	4.38E-07	1.06E-05	2.34E-06	3.18E-06	5.04E-06	8.71E-07	6.38E-07	2.31E-05
6039	479645.02	3850891.18	3.80E-02	3.87E-02	3.87E-02	1.31E-05	3.97E-05	2.30E-05	2.34E-05	2.12E-05	9.50E-06	9.68E-06	4.39E-07	1.06E-05	2.34E-06	3.18E-06	5.05E-06	8.72E-07	6.39E-07	2.31E-05
6040	479557.17	3850848.54	3.76E-02	3.84E-02	3.84E-02	1.30E-05	3.93E-05	2.28E-05	2.32E-05	2.11E-05	9.42E-06	9.60E-06	4.35E-07	1.05E-05	2.32E-06	3.16E-06	5.01E-06	8.65E-07	6.33E-07	2.29E-05
6041	479469.32	3850805.89	3.86E-02	3.93E-02	3.93E-02	1.33E-05	4.03E-05	2.33E-05	2.38E-05	2.16E-05	9.65E-06	9.83E-06	4.46E-07	1.08E-05	2.38E-06	3.23E-06	5.13E-06	8.85E-07	6.49E-07	2.35E-05
6042	479381.46	3850763.24	3.81E-02	3.89E-02	3.89E-02	1.32E-05	3.99E-05	2.31E-05	2.36E-05	2.14E-05	9.55E-06	9.73E-06	4.41E-07	1.07E-05	2.35E-06	3.20E-06	5.07E-06	8.76E-07	6.42E-07	2.32E-05
6043	479293.61	3850720.59	3.71E-02	3.78E-02	3.78E-02	1.28E-05	3.87E-05	2.24E-05	2.29E-05	2.07E-05	9.28E-06	9.45E-06	4.28E-07	1.03E-05	2.28E-06	3.11E-06	4.93E-06	8.51E-07	6.24E-07	2.26E-05
6044	479205.76	3850677.95	3.62E-02	3.70E-02	3.69E-02	1.25E-05	3.79E-05	2.19E-05	2.24E-05	2.03E-05	9.07E-06	9.24E-06	4.19E-07	1.01E-05	2.23E-06	3.04E-06	4.82E-06	8.32E-07	6.10E-07	2.21E-05
6045	479117.9	3850635.3	3.47E-02	3.54E-02	3.54E-02	1.20E-05	3.63E-05	2.10E-05	2.14E-05	1.94E-05	8.69E-06	8.85E-06	4.01E-07	9.69E-06	2.14E-06	2.91E-06	4.62E-06	7.97E-07	5.84E-07	2.11E-05
6046	479030.05	3850592.65	3.38E-02	3.45E-02	3.45E-02	1.17E-05	3.54E-05	2.05E-05	2.09E-05	1.89E-05	8.47E-06	8.63E-06	3.91E-07	9.45E-06	2.09E-06	2.84E-06	4.50E-06	7.77E-07	5.70E-07	2.06E-05
6047	478942.19	3850550	3.45E-02	3.53E-02	3.52E-02	1.20E-05	3.61E-05	2.09E-05	2.13E-05	1.93E-05	8.65E-06	8.81E-06	3.99E-07	9.65E-06	2.13E-06	2.90E-06	4.59E-06	7.93E-07	5.81E-07	2.10E-05
6048	478854.34	3850507.36	3.81E-02	3.89E-02	3.89E-02	1.32E-05	3.99E-05	2.31E-05	2.36E-05	2.13E-05	9.55E-06	9.73E-06	4.41E-07	1.07E-05	2.35E-06	3.20E-06	5.07E-06	8.76E-07	6.42E-07	2.32E-05
6049	478766.49	3850464.71	3.88E-02	3.96E-02	3.95E-02	1.34E-05	4.06E-05	2.35E-05	2.40E-05	2.17E-05	9.71E-06	9.90E-06	4.49E-07	1.08E-05	2.39E-06	3.25E-06	5.16E-06	8.91E-07	6.53E-07	2.36E-05
6050	478678.63	3850422.06	3.88E-02	3.96E-02	3.96E-02	1.34E-05	4.06E-05	2.35E-05	2.40E-05	2.17E-05	9.71E-06	9.90E-06	4.49E-07	1.08E-05	2.39E-06	3.25E-06	5.16E-06	8.92E-07	6.53E-07	2.36E-05
6051	478590.78	3850379.41	3.91E-02	3.99E-02	3.99E-02	1.35E-05	4.09E-05	2.37E-05	2.42E-05	2.19E-05	9.79E-06	9.98E-06	4.52E-07	1.09E-05	2.41E-06	3.28E-06	5.20E-06	8.99E-07	6.58E-07	2.38E-05
6052	478502.93	3850336.77	3.90E-02	3.98E-02	3.97E-02	1.35E-05	4.08E-05	2.36E-05	2.41E-05	2.18E-05	9.76E-06	9.95E-06	4.51E-07	1.09E-05	2.40E-06	3.27E-06	5.19E-06	8.96E-07	6.56E-07	2.38E-05
6053	478415.07	3850294.12	3.85E-02	3.93E-02	3.93E-02	1.33E-05	4.03E-05	2.33E-05	2.38E-05	2.16E-05	9.65E-06	9.83E-06	4.46E-07	1.08E-05	2.37E-06	3.23E-06	5.13E-06	8.85E-07	6.49E-07	2.35E-05
6054	478327.22	3850251.47	3.91E-02	3.99E-02	3.98E-02	1.35E-05	4.08E-05	2.36E-05	2.41E-05	2.19E-05	9.78E-06	9.97E-06	4.52E-07	1.09E-05	2.41E-06	3.28E-06	5.20E-06	8.98E-07	6.58E-07	2.38E-05
6055	478239.36	3850208.82	3.94E-02	4.02E-02	4.01E-02	1.36E-05	4.12E-05	2.38E-05	2.43E-05	2.20E-05	9.85E-06	1.00E-05	4.55E-07	1.10E-05	2.43E-06	3.30E-06	5.24E-06	9.04E-07	6.63E-07	2.40E-05
6056	478151.51	3850166.18	3.95E-02	4.03E-02	4.03E-02	1.37E-05	4.13E-05	2.39E-05	2.44E-05	2.21E-05	9.89E-06	1.01E-05	4.57E-07	1.10E-05	2.44E-06	3.31E-06	5.26E-06	9.08E-07	6.65E-07	2.41E-05
6057	478063.66	3850123.53	3.97E-02	4.05E-02	4.05E-02	1.37E-05	4.15E-05	2.40E-05	2.45E-05	2.22E-05	9.94E-06	1.01E-05	4.59E-07	1.11E-05	2.45E-06	3.33E-06	5.28E-06	9.12E-07	6.68E-07	2.42E-05
6058	477975.8	3850080.88	3.77E-02	3.85E-02	3.85E-02	1.31E-05	3.94E-05	2.28E-05	2.33E-05	2.11E-05	9.44E-06	9.62E-06	4.36E-07	1.05E-05	2.32E-06	3.16E-06	5.02E-06	8.67E-07	6.35E-07	2.30E-05
6059	477887.95	3850038.23	3.74E-02	3.82E-02	3.81E-02	1.29E-05	3.91E-05	2.26E-05	2.31E-05	2.09E-05	9.36E-06	9.54E-06	4.32E-07	1.04E-05	2.30E-06	3.13E-06	4.97E-06	8.59E-07	6.29E-07	2.28E-05
6060	477800.1	3849995.59	3.66E-02	3.73E-02	3.73E-02	1.27E-05	3.83E-05	2.21E-05	2.26E-05	2.05E-05	9.16E-06	9.34E-06	4.23E-07	1.02E-05	2.25E-06	3.07E-06	4.87E-06	8.41E-07	6.16E-07	2.23E-05
6061	477712.24	3849952.94	3.68E-02	3.75E-02	3.75E-02	1.27E-05	3.84E-05	2.22E-05	2.27E-05	2.06E-05	9.20E-06	9.38E-06	4.25E-07	1.03E-05	2.26E-06	3.08E-06	4.89E-06	8.44E-07	6.18E-07	2.24E-05
6062	477624.39	3849910.29	3.67E-02	3.74E-02	3.74E-02	1.27E-05	3.83E-05	2.22E-05	2.26E-05	2.05E-05	9.17E-06	9.35E-06	4.24E-07	1.02E-05	2.26E-06	3.07E-06	4.87E-06	8.42E-07	6.17E-07	2.23E-05
6063	477536.54	3849867.64	3.60E-02	3.67E-02	3.67E-02	1.25E-05	3.76E-05	2.18E-05	2.22E-05	2.01E-05	9.01E-06	9.18E-06	4.16E-07	1.00E-05	2.22E-06	3.02E-06	4.79E-06	8.27E-07	6.06E-07	2.19E-05
6064	477448.68	3849825	3.59E-02	3.66E-02	3.66E-02	1.24E-05	3.75E-05	2.17E-05	2.22E-05	2.01E-05	8.99E-06	9.16E-06	4.15E-07	1.00E-05	2.21E-06	3.01E-06	4.77E-06	8.25E-07	6.04E-07	2.19E-05
6065	477360.83	3849782.35	3.57E-02	3.64E-02	3.64E-02	1.24E-05	3.73E-05	2.16E-05	2.20E-05	2.00E-05	8.94E-06	9.11E-06	4.13E-07	9.97E-06	2.20E-06	2.99E-06	4.75E-06	8.20E-07	6.01E-07	2.17E-05
6066	477272.97	3849739.7	3.56E-02	3.63E-02	3.63E-02	1.23E-05	3.72E-05	2.15E-05	2.20E-05	1.99E-05	8.91E-06	9.08E-06	4.11E-07	9.94E-06	2.19E-06	2.98E-06	4.73E-06	8.18E-07	5.99E-07	2.17E-05
6067	477185.12	3849697.05	3.54E-02	3.62E-02	3.61E-02	1.23E-05	3.71E-05	2.14E-05	2.19E-05	1.98E-05	8.87E-06	9.04E-06	4.10E-07	9.90E-06	2.18E-06	2.97E-06	4.71E-06	8.14E-07	5.96E-07	2.16E-05
6068	477097.27	3849654.41	3.58E-02	3.66E-02	3.65E-02	1.24E-05	3.75E-05	2.17E-05	2.21E-05	2.01E-05	8.97E-06	9.14E-06	4.14E-07	1.00E-05	2.21E-06	3.00E-06	4.77E-06	8.23E-07	6.03E-07	2.18E-05
6069	477009.41	3849611.76	3.74E-02	3.82E-02	3.82E-02	1.30E-05	3.91E-05	2.26E-05	2.31E-05	2.10E-05	9.37E-06	9.55E-06	4.33E-07	1.05E-05	2.31E-06	3.14E-06	4.98E-06	8.60E-07	6.30E-07	2.28E-05
6070	476841.49	3849530.08	3.84E-02	3.92E-02	3.92E-02	1.33E-05	4.02E-05	2.33E-05	2.37E-05	2.15E-05	9.62E-06	9.81E-06	4.44E-07	1.07E-05	2.37E-06	3.22E-06	5.11E-06	8.83E-07	6.47E-07	2.34E-05
6071	476761.41	3849491.05	3.88E-02	3.96E-02	3.95E-02	1.34E-05	4.06E-05	2.35E-05	2.40E-05	2.17E-05	9.71E-06	9.90E-06	4.49E-07	1.08E-05	2.39E-06	3.25E-06	5.16E-06	8.91E-07	6.53E-07	2.36E-05
6072	476681.34	3849452.02	4.05E-02	4.13E-02	4.13E-02	1.40E-05	4.23E-05	2.45E-05	2.50E-05	2.27E-05	1.01E-05	1.03E-05	4.68E-07	1.13E-05	2.50E-06	3.39E-06	5.39E-06	9.30E-07	6.81E-07	2.47E-05
6073	476601.26	3849412.99	4.39E-02	4.48E-02	4.48E-02	1.52E-05	4.59E-05	2.66E-05	2.71E-05	2.46E-05	1.10E-05	1.12E-05	5.08E-07	1.23E-05	2.71E-06	3.68E-06	5.84E-06	1.01E-06	7.39E-07	2.68E-05
6074	476456.32	3849353.67	5.26E-02	5.36E-02	5.36E-02	1.82E-05	5.49E-05	3.18E-05	3.25E-05	2.94E-05	1.32E-05	1.34E-05	6.08E-07	1.47E-05	3.24E-06	4.41E-06	6.99E-06	1.21E-06	8.84E-07	3.20E-05
6075	476305.43	3849318.84	4.99E-02	5.09E-02	5.09E-02	1.73E-05	5.22E-05	3.02E-05	3.08E-05	2.79E-05	1.25E-05	1.27E-05	5.77E-07	1.39E-05	3.08E-06	4.18E-06	6.64E-06	1.15E-06	8.40E-07	3.04E-05
6076	476129.36	3849289.99	4.91E-02	5.02E-02	5.01E-02	1.70E-05	5.14E-05	2.97E-05	3.03E-05	2.75E-05	1.23E-05	1.25E-05	5.68E-07	1.37E-05	3.03E-06	4.12E-06	6.54E-06	1.13E-06	8.27E-07	2.99E-05
6077	476039.31	3849275.68	4.81E-02	4.91E-02	4.91E-02	1.67E-05	5.03E-05	2.91E-05	2.97E-05	2.69E-05	1.20E-05	1.23E-05	5.56E-07	1.34E-05	2.97E-06	4.03E-06	6.40E-06	1.11E-06	8.10E-07	2.93E-05
6078	475949.26	3849261.38	5.00E-02	5.10E-02	5.10E-02	1.73E-05	5.23E-05	3.03E-05	3.09E-05	2.80E-05	1.25E-05	1.28E-05	5.78E-07	1.40E-05	3.08E-06	4.19E-06	6.65E-06	1.15E-06	8.41E-07	3.05E-05
6079	475859.21	3849247.08	4.81E-02	4.91E-02	4.90E-02	1.67E-05	5.03E-05	2.91E-05	2.97E-05	2.69E-05	1.20E-05	1.23E-05	5.56E-07	1.34E-05	2.96E-06	4.03E-06	6.40E-06	1.11E-06	8.10E-07	2.93E-05
6080	475769.16	3849232.77	4.63E-02	4.73E-02	4.72E-02	1.60E-05	4.84E-05	2.80E-05	2.86E-05	2.59E-05	1.16E-05	1.18E-05	5.35E-07	1.29E-05	2.85E-06	3.88E-06	6.16E-06	1.06E-06	7.79E-07	2.82E-05
6081	475585.23	3849219.27	2.52E-02	2.58E-02	2.57E-02	8.74E-06	2.64E-05	1.53E-05	1.56E-05	1.41E-05	6.32E-06	6.44E-06	2.92E-07	7.05E-06	1.56E-06	2.12E-06	3.36E-06	5.80E-07	4.25E-07	1.54E-05
6082	475444.5	3849150.35	4.78E-02	4.88E-02	4.87E-02	1.65E-05	5.00E-05	2.89E-05	2.95E-05	2.67E-05	1.20E-05	1.22E-05	5.52E-07	1.33E-05	2.94E-06	4.01E-06	6.36E-06	1.10E-06	8.04E-07	2.91E-05
6083	475334.18	3849118.71	3.60E-02	3.68E-02	3.67E-02	1.25E-05	3.77E-05	2.18E-05	2.23E-05	2.02E-05	9.02E-06	9.19E-06	4.17E-07	1.01E-05	2.22E-06	3.02E-06	4.79E-06	8.28E-07	6.07E-07	2.20E-05
6084	475230.47	3849060.57	3.62E-02	3.69E-02	3.68E-02	1.25E-05	3.78E-05	2.19E-05	2.23E-05	2.02E-05	9.05E-06	9.22E-06	4.18E-07	1.01E-05	2.23E-06	3.03E-06	4.81E-06	8.30E-07	6.08E-07	2.20E-05
6085	475110.86	3848960.97	4.32E-02	4.41E-02	4.40E-02	1.50E-05	4.52E-05	2.61E-05	2.67E-05	2.42E-05	1.08E-05	1.10E-05	4.99E-07	1.21E-05	2.66E-06	3.62E-06	5.75E-06	9.92E-07	7.27E-07	2.63E-05
6086	475037.79	3848896.28	4.49E-02	4.59E-02	4.58E-02	1.56E-05	4.70E-05	2.72E-05	2.77E-05	2.52E-05	1.12E-05	1.15E-05	5.19E-07	1.25E-05	2.77E-06	3.77E-06	5.98E-06	1.03E-06	7.56E-07	2.74E-05
6087	474964.72	3848831.59	4.65E-02	4.74E-02	4.74E-02	1.61E-05	4.86E-05	2.81E-05	2.87E-05	2.60E-05	1.16E-05	1.19E-05	5.37E-07	1.30E-05	2.86E-06	3.90E-06	6.18E-06	1.07E-06	7.82E-07	2.83E-05
6088	474891.65	3848766.9	4.63E-02	4.73E-02	4.72E-02	1.60E-05	4.84E-05	2.80E-05	2.86E-05	2.59E-05	1.16E-05	1.18E-05	5.36E-07	1.29E-05	2.86E-06	3.88E-06	6.16E-06	1.06E-06	7.80E-07	2.82E-05
6089	474818.58	3848702.22	4.67E-02	4.77E-02	4.76E-02	1.62E-05	4.88E-05	2.83E-05	2.88E-05	2.61E-05	1.17E-05	1.19E-05	5.40E-07	1.30E-05	2.88E-06	3.92E-06	6.21E-06	1.07E-06	7.86E-07	2.85E-05
6090	474745.51	3848637.53	4.22E-02	4.31E-02	4.30E-02	1.46E-05	4.41E-05	2.55E-05	2.61E-05	2.36E-05	1.06E-05	1.08E-05	4.88E-07	1.18E-05	2.60E-06	3.54E-06	5.61E-06	9.69E-07	7.10E-07	2.57E-05
6091	474672.44	3848572.84	4.16E-02	4.24E-02	4.24E-02	1.44E-05	4.35E-05	2.52E-05	2.57E-05	2.33E-05	1.04E-05	1.06E-05	4.81E-07	1.16E-05	2.56E-06	3.49E-06	5.53E-06	9.55E-07	7.00E-07	2.53E-05
6092	474599.37	3848508.15	4.28E-02	4.37E-02	4.36E-02	1.48E-05	4.47E-05	2.59E-05	2.64E-05	2.39E-05	1.07E-05	1.09E-05	4.95E-07	1.19E-05	2.64E-06	3.59E-06	5.69E-06	9.83E-07	7.20E-07	2.61E-05

6093	474526.3	3848443.46	4.26E-02	4.35E-02	4.34E-02	1.47E-05	4.45E-05	2.58E-05	2.63E-05	2.38E-05	1.07E-05	1.09E-05	4.92E-07	1.19E-05	2.62E-06	3.57E-06	5.67E-06	9.79E-07	7.17E-07	2.59E-05

Leads - Student Risk

		2028 RD			2033 RD			2048 RD		
Rec#	X, Y	Concentrati	Dose	Risk	Concentrati	Dose	Risk	Concentrati	Dose	Risk
1	485973.61, 3854936.51	1.18E-03	3.74E-07	1.59E-07	1.21E-03	3.82E-07	1.62E-07	1.21E-03	3.81E-07	1.62E-07
2	486023.61, 3854936.51	1.18E-03	3.72E-07	1.58E-07	1.20E-03	3.79E-07	1.61E-07	1.20E-03	3.79E-07	1.61E-07
3	486073.61, 3854936.51	1.17E-03	3.71E-07	1.57E-07	1.20E-03	3.78E-07	1.60E-07	1.20E-03	3.78E-07	1.60E-07
4	486123.61, 3854936.51	1.16E-03	3.66E-07	1.55E-07	1.18E-03	3.73E-07	1.58E-07	1.18E-03	3.73E-07	1.58E-07
5	486173.61, 3854936.51	1.16E-03	3.67E-07	1.56E-07	1.19E-03	3.74E-07	1.59E-07	1.18E-03	3.74E-07	1.59E-07
6	486223.61, 3854936.51	1.15E-03	3.64E-07	1.55E-07	1.18E-03	3.72E-07	1.58E-07	1.18E-03	3.71E-07	1.57E-07
7	486273.61, 3854936.51	1.15E-03	3.63E-07	1.54E-07	1.17E-03	3.70E-07	1.57E-07	1.17E-03	3.70E-07	1.57E-07
8	486323.61, 3854936.51	1.15E-03	3.62E-07	1.53E-07	1.17E-03	3.69E-07	1.57E-07	1.17E-03	3.69E-07	1.56E-07
9	485973.61, 3854986.51	1.17E-03	3.70E-07	1.57E-07	1.20E-03	3.77E-07	1.60E-07	1.19E-03	3.77E-07	1.60E-07
10	486023.61, 3854986.51	1.17E-03	3.68E-07	1.56E-07	1.19E-03	3.76E-07	1.59E-07	1.19E-03	3.75E-07	1.59E-07
11	486073.61, 3854986.51	1.16E-03	3.66E-07	1.55E-07	1.18E-03	3.73E-07	1.58E-07	1.18E-03	3.73E-07	1.58E-07
12	486123.61, 3854986.51	1.15E-03	3.63E-07	1.54E-07	1.17E-03	3.71E-07	1.57E-07	1.17E-03	3.70E-07	1.57E-07
13	486173.61, 3854986.51	1.15E-03	3.63E-07	1.54E-07	1.17E-03	3.70E-07	1.57E-07	1.17E-03	3.70E-07	1.57E-07
14	486223.61, 3854986.51	1.14E-03	3.60E-07	1.53E-07	1.16E-03	3.68E-07	1.56E-07	1.16E-03	3.67E-07	1.56E-07
15	486273.61, 3854986.51	1.13E-03	3.57E-07	1.51E-07	1.15E-03	3.64E-07	1.54E-07	1.15E-03	3.64E-07	1.54E-07
16	486323.61, 3854986.51	1.14E-03	3.59E-07	1.52E-07	1.16E-03	3.66E-07	1.55E-07	1.16E-03	3.66E-07	1.55E-07
17	485973.61, 3855036.51	1.16E-03	3.66E-07	1.55E-07	1.18E-03	3.74E-07	1.58E-07	1.18E-03	3.73E-07	1.58E-07
18	486023.61, 3855036.51	1.15E-03	3.64E-07	1.54E-07	1.18E-03	3.72E-07	1.58E-07	1.18E-03	3.71E-07	1.57E-07
19	486073.61, 3855036.51	1.14E-03	3.61E-07	1.53E-07	1.17E-03	3.68E-07	1.56E-07	1.16E-03	3.68E-07	1.56E-07
20	486123.61, 3855036.51	1.14E-03	3.59E-07	1.52E-07	1.16E-03	3.66E-07	1.55E-07	1.16E-03	3.66E-07	1.55E-07
21	486173.61, 3855036.51	1.14E-03	3.59E-07	1.52E-07	1.16E-03	3.66E-07	1.55E-07	1.16E-03	3.65E-07	1.55E-07
22	486223.61, 3855036.51	1.13E-03	3.55E-07	1.51E-07	1.15E-03	3.62E-07	1.54E-07	1.15E-03	3.62E-07	1.54E-07
23	486273.61, 3855036.51	1.13E-03	3.55E-07	1.51E-07	1.15E-03	3.63E-07	1.54E-07	1.15E-03	3.62E-07	1.54E-07
24	486323.61, 3855036.51	1.12E-03	3.53E-07	1.50E-07	1.14E-03	3.60E-07	1.53E-07	1.14E-03	3.60E-07	1.53E-07
25	485973.61, 3855086.51	1.15E-03	3.61E-07	1.53E-07	1.17E-03	3.69E-07	1.57E-07	1.17E-03	3.68E-07	1.56E-07
26	486023.61, 3855086.51	1.14E-03	3.60E-07	1.53E-07	1.17E-03	3.68E-07	1.56E-07	1.16E-03	3.67E-07	1.56E-07
27	486073.61, 3855086.51	1.13E-03	3.57E-07	1.52E-07	1.15E-03	3.64E-07	1.55E-07	1.15E-03	3.64E-07	1.54E-07
28	486123.61, 3855086.51	1.13E-03	3.56E-07	1.51E-07	1.15E-03	3.63E-07	1.54E-07	1.15E-03	3.63E-07	1.54E-07
29	486173.61, 3855086.51	1.12E-03	3.53E-07	1.50E-07	1.14E-03	3.60E-07	1.53E-07	1.14E-03	3.60E-07	1.53E-07
30	486223.61, 3855086.51	1.12E-03	3.52E-07	1.49E-07	1.14E-03	3.59E-07	1.52E-07	1.14E-03	3.59E-07	1.52E-07
31	485973.61, 3855136.51	1.13E-03	3.58E-07	1.52E-07	1.16E-03	3.65E-07	1.55E-07	1.16E-03	3.65E-07	1.55E-07
32	486023.61, 3855136.51	1.13E-03	3.56E-07	1.51E-07	1.15E-03	3.64E-07	1.54E-07	1.15E-03	3.63E-07	1.54E-07
33	486073.61, 3855136.51	1.12E-03	3.54E-07	1.50E-07	1.14E-03	3.61E-07	1.53E-07	1.14E-03	3.61E-07	1.53E-07
34	486123.61, 3855136.51	1.12E-03	3.52E-07	1.50E-07	1.14E-03	3.60E-07	1.53E-07	1.14E-03	3.59E-07	1.52E-07
35	486173.61, 3855136.51	1.11E-03	3.50E-07	1.49E-07	1.13E-03	3.57E-07	1.52E-07	1.13E-03	3.57E-07	1.51E-07
36	486223.61, 3855136.51	1.10E-03	3.48E-07	1.48E-07	1.13E-03	3.55E-07	1.51E-07	1.13E-03	3.55E-07	1.51E-07
37	485973.61, 3855186.51	1.12E-03	3.55E-07	1.51E-07	1.15E-03	3.62E-07	1.54E-07	1.15E-03	3.62E-07	1.53E-07
38	486023.61, 3855186.51	1.12E-03	3.53E-07	1.50E-07	1.14E-03	3.60E-07	1.53E-07	1.14E-03	3.60E-07	1.53E-07
39	486073.61, 3855186.51	1.11E-03	3.50E-07	1.49E-07	1.13E-03	3.57E-07	1.52E-07	1.13E-03	3.57E-07	1.51E-07
40	486123.61, 3855186.51	1.10E-03	3.47E-07	1.47E-07	1.12E-03	3.54E-07	1.50E-07	1.12E-03	3.54E-07	1.50E-07
41	486173.61, 3855186.51	1.10E-03	3.46E-07	1.47E-07	1.12E-03	3.53E-07	1.50E-07	1.12E-03	3.52E-07	1.49E-07
42	486223.61, 3855186.51	1.09E-03	3.44E-07	1.46E-07	1.11E-03	3.51E-07	1.49E-07	1.11E-03	3.51E-07	1.49E-07
43	486273.61, 3855186.51	1.08E-03	3.42E-07	1.45E-07	1.11E-03	3.49E-07	1.48E-07	1.10E-03	3.48E-07	1.48E-07
44	486323.61, 3855186.51	1.09E-03	3.44E-07	1.46E-07	1.11E-03	3.51E-07	1.49E-07	1.11E-03	3.51E-07	1.49E-07
45	485973.61, 3855236.51	1.11E-03	3.51E-07	1.49E-07	1.13E-03	3.58E-07	1.52E-07	1.13E-03	3.58E-07	1.52E-07
46	486023.61, 3855236.51	1.10E-03	3.48E-07	1.48E-07	1.13E-03	3.55E-07	1.51E-07	1.12E-03	3.55E-07	1.51E-07
47	486073.61, 3855236.51	1.09E-03	3.45E-07	1.46E-07	1.12E-03	3.52E-07	1.49E-07	1.11E-03	3.52E-07	1.49E-07
48	486123.61, 3855236.51	1.09E-03	3.43E-07	1.46E-07	1.11E-03	3.50E-07	1.49E-07	1.11E-03	3.50E-07	1.48E-07
49	486173.61, 3855236.51	1.08E-03	3.42E-07	1.45E-07	1.10E-03	3.49E-07	1.48E-07	1.10E-03	3.48E-07	1.48E-07
50	486223.61, 3855236.51	1.08E-03	3.40E-07	1.44E-07	1.10E-03	3.47E-07	1.47E-07	1.10E-03	3.46E-07	1.47E-07
51	486273.61, 3855236.51	1.06E-03	3.36E-07	1.42E-07	1.08E-03	3.42E-07	1.45E-07	1.08E-03	3.42E-07	1.45E-07
52	486323.61, 3855236.51	1.08E-03	3.40E-07	1.44E-07	1.10E-03	3.47E-07	1.47E-07	1.10E-03	3.47E-07	1.47E-07
53	485973.61, 3855286.51	1.10E-03	3.47E-07	1.47E-07	1.12E-03	3.54E-07	1.50E-07	1.12E-03	3.54E-07	1.50E-07
54	486023.61, 3855286.51	1.09E-03	3.44E-07	1.46E-07	1.11E-03	3.51E-07	1.49E-07	1.11E-03	3.51E-07	1.49E-07
55	486073.61, 3855286.51	1.08E-03	3.41E-07	1.45E-07	1.10E-03	3.48E-07	1.48E-07	1.10E-03	3.48E-07	1.48E-07
56	486123.61, 3855286.51	1.07E-03	3.39E-07	1.44E-07	1.10E-03	3.46E-07	1.47E-07	1.09E-03	3.45E-07	1.47E-07
57	486173.61, 3855286.51	1.07E-03	3.36E-07	1.43E-07	1.09E-03	3.43E-07	1.46E-07	1.09E-03	3.43E-07	1.46E-07
58	486223.61, 3855286.51	1.06E-03	3.35E-07	1.42E-07	1.08E-03	3.42E-07	1.45E-07	1.08E-03	3.42E-07	1.45E-07
59	486123.61, 3855336.51	1.06E-03	3.34E-07	1.42E-07	1.08E-03	3.41E-07	1.45E-07	1.08E-03	3.41E-07	1.45E-07
60	486173.61, 3855336.51	1.05E-03	3.33E-07	1.41E-07	1.08E-03	3.40E-07	1.44E-07	1.07E-03	3.39E-07	1.44E-07
61	486223.61, 3855336.51	1.05E-03	3.31E-07	1.40E-07	1.07E-03	3.38E-07	1.43E-07	1.07E-03	3.37E-07	1.43E-07
62	486123.61, 3855386.51	1.05E-03	3.31E-07	1.40E-07	1.07E-03	3.37E-07	1.43E-07	1.07E-03	3.37E-07	1.43E-07
63	486173.61, 3855386.51	1.04E-03	3.29E-07	1.40E-07	1.06E-03	3.36E-07	1.42E-07	1.06E-03	3.35E-07	1.42E-07
64	486223.61, 3855386.51	1.04E-03	3.27E-07	1.39E-07	1.06E-03	3.34E-07	1.42E-07	1.06E-03	3.34E-07	1.42E-07
65	486533.18, 3855443.15	1.01E-03	3.18E-07	1.35E-07	1.03E-03	3.25E-07	1.38E-07	1.03E-03	3.24E-07	1.38E-07
66	486583.18, 3855443.15	1.00E-03	3.17E-07	1.34E-07	1.02E-03	3.23E-07	1.37E-07	1.02E-03	3.23E-07	1.37E-07

67	486633.18, 3855443.15	9.99E-04	3.15E-07	1.34E-07	1.02E-03	3.22E-07	1.37E-07	1.02E-03	3.22E-07	1.36E-07
68	486683.18, 3855443.15	9.98E-04	3.15E-07	1.34E-07	1.02E-03	3.21E-07	1.36E-07	1.02E-03	3.21E-07	1.36E-07
69	486533.18, 3855493.15	9.96E-04	3.14E-07	1.33E-07	1.02E-03	3.21E-07	1.36E-07	1.02E-03	3.20E-07	1.36E-07
70	486583.18, 3855493.15	9.93E-04	3.13E-07	1.33E-07	1.01E-03	3.20E-07	1.36E-07	1.01E-03	3.19E-07	1.36E-07
71	486633.18, 3855493.15	9.89E-04	3.12E-07	1.32E-07	1.01E-03	3.19E-07	1.35E-07	1.01E-03	3.18E-07	1.35E-07
72	486683.18, 3855493.15	9.85E-04	3.11E-07	1.32E-07	1.01E-03	3.17E-07	1.35E-07	1.00E-03	3.17E-07	1.34E-07
73	486533.18, 3855543.15	9.86E-04	3.11E-07	1.32E-07	1.01E-03	3.18E-07	1.35E-07	1.00E-03	3.17E-07	1.35E-07
74	486583.18, 3855543.15	9.80E-04	3.09E-07	1.31E-07	1.00E-03	3.16E-07	1.34E-07	9.99E-04	3.15E-07	1.34E-07
75	486633.18, 3855543.15	9.77E-04	3.08E-07	1.31E-07	9.97E-04	3.15E-07	1.33E-07	9.96E-04	3.14E-07	1.33E-07
76	486683.18, 3855543.15	9.70E-04	3.06E-07	1.30E-07	9.90E-04	3.12E-07	1.33E-07	9.88E-04	3.12E-07	1.32E-07
77	486533.18, 3855593.15	9.74E-04	3.07E-07	1.30E-07	9.94E-04	3.14E-07	1.33E-07	9.93E-04	3.13E-07	1.33E-07
78	486583.18, 3855593.15	9.69E-04	3.06E-07	1.30E-07	9.89E-04	3.12E-07	1.32E-07	9.88E-04	3.12E-07	1.32E-07
79	486633.18, 3855593.15	9.65E-04	3.05E-07	1.29E-07	9.85E-04	3.11E-07	1.32E-07	9.84E-04	3.11E-07	1.32E-07
80	486683.18, 3855593.15	9.63E-04	3.04E-07	1.29E-07	9.82E-04	3.10E-07	1.32E-07	9.81E-04	3.10E-07	1.31E-07
81	486533.18, 3855643.15	9.63E-04	3.04E-07	1.29E-07	9.83E-04	3.10E-07	1.32E-07	9.82E-04	3.10E-07	1.31E-07
82	486583.18, 3855643.15	9.59E-04	3.03E-07	1.28E-07	9.79E-04	3.09E-07	1.31E-07	9.78E-04	3.09E-07	1.31E-07
83	486633.18, 3855643.15	9.55E-04	3.02E-07	1.28E-07	9.75E-04	3.08E-07	1.31E-07	9.74E-04	3.07E-07	1.30E-07
84	486683.18, 3855643.15	9.52E-04	3.00E-07	1.27E-07	9.71E-04	3.07E-07	1.30E-07	9.70E-04	3.06E-07	1.30E-07
85	486533.18, 3855693.15	9.55E-04	3.02E-07	1.28E-07	9.75E-04	3.08E-07	1.31E-07	9.74E-04	3.07E-07	1.30E-07
86	486583.18, 3855693.15	9.48E-04	2.99E-07	1.27E-07	9.68E-04	3.05E-07	1.30E-07	9.66E-04	3.05E-07	1.29E-07
87	486633.18, 3855693.15	9.41E-04	2.97E-07	1.26E-07	9.60E-04	3.03E-07	1.29E-07	9.59E-04	3.03E-07	1.28E-07
88	486683.18, 3855693.15	9.41E-04	2.97E-07	1.26E-07	9.60E-04	3.03E-07	1.29E-07	9.59E-04	3.03E-07	1.28E-07
89	486733.18, 3855693.15	9.45E-04	2.98E-07	1.27E-07	9.64E-04	3.04E-07	1.29E-07	9.63E-04	3.04E-07	1.29E-07
90	486783.18, 3855693.15	9.50E-04	3.00E-07	1.27E-07	9.69E-04	3.06E-07	1.30E-07	9.68E-04	3.06E-07	1.30E-07
91	486533.18, 3855743.15	9.46E-04	2.99E-07	1.27E-07	9.65E-04	3.05E-07	1.29E-07	9.64E-04	3.04E-07	1.29E-07
92	486583.18, 3855743.15	9.36E-04	2.95E-07	1.25E-07	9.55E-04	3.01E-07	1.28E-07	9.54E-04	3.01E-07	1.28E-07
93	486633.18, 3855743.15	9.31E-04	2.94E-07	1.25E-07	9.50E-04	3.00E-07	1.27E-07	9.49E-04	3.00E-07	1.27E-07
94	486683.18, 3855743.15	9.34E-04	2.95E-07	1.25E-07	9.53E-04	3.01E-07	1.28E-07	9.52E-04	3.00E-07	1.27E-07
95	486733.18, 3855743.15	9.33E-04	2.95E-07	1.25E-07	9.53E-04	3.01E-07	1.28E-07	9.51E-04	3.00E-07	1.27E-07
96	486783.18, 3855743.15	9.40E-04	2.97E-07	1.26E-07	9.59E-04	3.03E-07	1.28E-07	9.58E-04	3.02E-07	1.28E-07
97	486533.18, 3855793.15	9.38E-04	2.96E-07	1.26E-07	9.57E-04	3.02E-07	1.28E-07	9.56E-04	3.02E-07	1.28E-07
98	486583.18, 3855793.15	9.24E-04	2.92E-07	1.24E-07	9.43E-04	2.98E-07	1.26E-07	9.42E-04	2.97E-07	1.26E-07
99	486633.18, 3855793.15	9.25E-04	2.92E-07	1.24E-07	9.44E-04	2.98E-07	1.26E-07	9.43E-04	2.98E-07	1.26E-07
100	486683.18, 3855793.15	9.28E-04	2.93E-07	1.24E-07	9.47E-04	2.99E-07	1.27E-07	9.45E-04	2.98E-07	1.27E-07
101	486733.18, 3855793.15	9.28E-04	2.93E-07	1.24E-07	9.47E-04	2.99E-07	1.27E-07	9.46E-04	2.99E-07	1.27E-07
102	486783.18, 3855793.15	9.30E-04	2.94E-07	1.25E-07	9.49E-04	3.00E-07	1.27E-07	9.48E-04	2.99E-07	1.27E-07
103	486533.18, 3855843.15	9.27E-04	2.93E-07	1.24E-07	9.46E-04	2.99E-07	1.27E-07	9.45E-04	2.98E-07	1.27E-07
104	486583.18, 3855843.15	9.17E-04	2.89E-07	1.23E-07	9.36E-04	2.95E-07	1.25E-07	9.35E-04	2.95E-07	1.25E-07
105	486633.18, 3855843.15	9.18E-04	2.90E-07	1.23E-07	9.37E-04	2.96E-07	1.25E-07	9.36E-04	2.95E-07	1.25E-07
106	486683.18, 3855843.15	9.20E-04	2.90E-07	1.23E-07	9.39E-04	2.96E-07	1.26E-07	9.38E-04	2.96E-07	1.26E-07
107	486733.18, 3855843.15	9.22E-04	2.91E-07	1.23E-07	9.41E-04	2.97E-07	1.26E-07	9.39E-04	2.96E-07	1.26E-07
108	486783.18, 3855843.15	9.23E-04	2.91E-07	1.24E-07	9.42E-04	2.97E-07	1.26E-07	9.41E-04	2.97E-07	1.26E-07
109	486533.18, 3855893.15	9.13E-04	2.88E-07	1.22E-07	9.32E-04	2.94E-07	1.25E-07	9.31E-04	2.94E-07	1.25E-07
110	486583.18, 3855893.15	9.13E-04	2.88E-07	1.22E-07	9.31E-04	2.94E-07	1.25E-07	9.30E-04	2.94E-07	1.25E-07
111	486633.18, 3855893.15	9.12E-04	2.88E-07	1.22E-07	9.30E-04	2.94E-07	1.25E-07	9.29E-04	2.93E-07	1.24E-07
112	486683.18, 3855893.15	9.13E-04	2.88E-07	1.22E-07	9.32E-04	2.94E-07	1.25E-07	9.30E-04	2.94E-07	1.25E-07
113	486733.18, 3855893.15	9.14E-04	2.89E-07	1.22E-07	9.33E-04	2.94E-07	1.25E-07	9.32E-04	2.94E-07	1.25E-07
114	486783.18, 3855893.15	9.17E-04	2.89E-07	1.23E-07	9.36E-04	2.95E-07	1.25E-07	9.35E-04	2.95E-07	1.25E-07
115	486533.18, 3855943.15	9.07E-04	2.86E-07	1.21E-07	9.26E-04	2.92E-07	1.24E-07	9.25E-04	2.92E-07	1.24E-07
116	486583.18, 3855943.15	9.09E-04	2.87E-07	1.22E-07	9.27E-04	2.93E-07	1.24E-07	9.26E-04	2.92E-07	1.24E-07
117	486633.18, 3855943.15	9.06E-04	2.86E-07	1.21E-07	9.25E-04	2.92E-07	1.24E-07	9.24E-04	2.92E-07	1.24E-07
118	486683.18, 3855943.15	9.08E-04	2.87E-07	1.22E-07	9.26E-04	2.92E-07	1.24E-07	9.25E-04	2.92E-07	1.24E-07
119	486733.18, 3855943.15	9.08E-04	2.86E-07	1.22E-07	9.26E-04	2.92E-07	1.24E-07	9.25E-04	2.92E-07	1.24E-07
120	486783.18, 3855943.15	9.10E-04	2.87E-07	1.22E-07	9.29E-04	2.93E-07	1.24E-07	9.28E-04	2.93E-07	1.24E-07
121	486533.18, 3855993.15	9.05E-04	2.86E-07	1.21E-07	9.23E-04	2.91E-07	1.24E-07	9.22E-04	2.91E-07	1.23E-07
122	486583.18, 3855993.15	9.03E-04	2.85E-07	1.21E-07	9.22E-04	2.91E-07	1.23E-07	9.21E-04	2.91E-07	1.23E-07
123	486633.18, 3855993.15	9.02E-04	2.85E-07	1.21E-07	9.20E-04	2.90E-07	1.23E-07	9.19E-04	2.90E-07	1.23E-07
124	486683.18, 3855993.15	9.03E-04	2.85E-07	1.21E-07	9.21E-04	2.91E-07	1.23E-07	9.20E-04	2.90E-07	1.23E-07
125	486733.18, 3855993.15	9.02E-04	2.85E-07	1.21E-07	9.21E-04	2.91E-07	1.23E-07	9.20E-04	2.90E-07	1.23E-07
126	486783.18, 3855993.15	9.03E-04	2.85E-07	1.21E-07	9.22E-04	2.91E-07	1.23E-07	9.21E-04	2.91E-07	1.23E-07
127	486533.18, 3856043.15	9.02E-04	2.85E-07	1.21E-07	9.21E-04	2.91E-07	1.23E-07	9.20E-04	2.90E-07	1.23E-07
128	486583.18, 3856043.15	9.01E-04	2.84E-07	1.21E-07	9.20E-04	2.90E-07	1.23E-07	9.19E-04	2.90E-07	1.23E-07
129	486633.18, 3856043.15	8.98E-04	2.84E-07	1.20E-07	9.17E-04	2.89E-07	1.23E-07	9.16E-04	2.89E-07	1.23E-07
130	486683.18, 3856043.15	8.99E-04	2.84E-07	1.20E-07	9.17E-04	2.89E-07	1.23E-07	9.16E-04	2.89E-07	1.23E-07
131	486733.18, 3856043.15	8.97E-04	2.83E-07	1.20E-07	9.16E-04	2.89E-07	1.23E-07	9.14E-04	2.89E-07	1.22E-07
132	486783.18, 3856043.15	8.99E-04	2.84E-07	1.20E-07	9.18E-04	2.90E-07	1.23E-07	9.17E-04	2.89E-07	1.23E-07
133	486533.18, 3856093.15	9.02E-04	2.85E-07	1.21E-07	9.20E-04	2.90E-07	1.23E-07	9.19E-04	2.90E-07	1.23E-07
134	486583.18, 3856093.15	8.99E-04	2.84E-07	1.20E-07	9.17E-04	2.90E-07	1.23E-07	9.16E-04	2.89E-07	1.23E-07
135	486633.18, 3856093.15	8.96E-04	2.83E-07	1.20E-07	9.15E-04	2.89E-07	1.22E-07	9.14E-04	2.88E-07	1.22E-07
136	486683.18, 3856093.15	8.95E-04	2.83E-07	1.20E-07	9.14E-04	2.88E-07	1.22E-07	9.13E-04	2.88E-07	1.22E-07

137	486733.18, 3856093.15	8.94E-04	2.82E-07	1.20E-07	9.12E-04	2.88E-07	1.22E-07	9.11E-04	2.88E-07	1.22E-07
138	486783.18, 3856093.15	8.94E-04	2.82E-07	1.20E-07	9.13E-04	2.88E-07	1.22E-07	9.11E-04	2.88E-07	1.22E-07
139	486533.18, 3856143.15	9.00E-04	2.84E-07	1.21E-07	9.19E-04	2.90E-07	1.23E-07	9.18E-04	2.90E-07	1.23E-07
140	486583.18, 3856143.15	8.97E-04	2.83E-07	1.20E-07	9.15E-04	2.89E-07	1.23E-07	9.14E-04	2.88E-07	1.22E-07
141	486633.18, 3856143.15	8.95E-04	2.82E-07	1.20E-07	9.13E-04	2.88E-07	1.22E-07	9.12E-04	2.88E-07	1.22E-07
142	486683.18, 3856143.15	8.93E-04	2.82E-07	1.20E-07	9.11E-04	2.88E-07	1.22E-07	9.10E-04	2.87E-07	1.22E-07
143	486733.18, 3856143.15	8.91E-04	2.81E-07	1.19E-07	9.10E-04	2.87E-07	1.22E-07	9.08E-04	2.87E-07	1.22E-07
144	486783.18, 3856143.15	8.93E-04	2.82E-07	1.20E-07	9.11E-04	2.88E-07	1.22E-07	9.10E-04	2.87E-07	1.22E-07
145	486533.18, 3856193.15	9.01E-04	2.84E-07	1.21E-07	9.19E-04	2.90E-07	1.23E-07	9.18E-04	2.90E-07	1.23E-07
146	486583.18, 3856193.15	8.96E-04	2.83E-07	1.20E-07	9.14E-04	2.88E-07	1.22E-07	9.13E-04	2.88E-07	1.22E-07
147	486633.18, 3856193.15	8.94E-04	2.82E-07	1.20E-07	9.12E-04	2.88E-07	1.22E-07	9.11E-04	2.88E-07	1.22E-07
148	486683.18, 3856193.15	8.93E-04	2.82E-07	1.20E-07	9.12E-04	2.88E-07	1.22E-07	9.11E-04	2.87E-07	1.22E-07
149	486733.18, 3856193.15	8.90E-04	2.81E-07	1.19E-07	9.09E-04	2.87E-07	1.22E-07	9.08E-04	2.86E-07	1.22E-07
150	486783.18, 3856193.15	8.91E-04	2.81E-07	1.19E-07	9.09E-04	2.87E-07	1.22E-07	9.08E-04	2.87E-07	1.22E-07
151	486533.18, 3856243.15	9.00E-04	2.84E-07	1.21E-07	9.18E-04	2.90E-07	1.23E-07	9.17E-04	2.89E-07	1.23E-07
152	486583.18, 3856243.15	8.97E-04	2.83E-07	1.20E-07	9.15E-04	2.89E-07	1.23E-07	9.14E-04	2.89E-07	1.22E-07
153	486633.18, 3856243.15	8.94E-04	2.82E-07	1.20E-07	9.13E-04	2.88E-07	1.22E-07	9.11E-04	2.88E-07	1.22E-07
154	486683.18, 3856243.15	8.92E-04	2.82E-07	1.19E-07	9.10E-04	2.87E-07	1.22E-07	9.09E-04	2.87E-07	1.22E-07
155	486733.18, 3856243.15	8.91E-04	2.81E-07	1.19E-07	9.10E-04	2.87E-07	1.22E-07	9.08E-04	2.87E-07	1.22E-07
156	486783.18, 3856243.15	8.90E-04	2.81E-07	1.19E-07	9.08E-04	2.87E-07	1.22E-07	9.07E-04	2.86E-07	1.21E-07
157	486533.18, 3856293.15	8.99E-04	2.84E-07	1.20E-07	9.18E-04	2.90E-07	1.23E-07	9.17E-04	2.89E-07	1.23E-07
158	486583.18, 3856293.15	8.97E-04	2.83E-07	1.20E-07	9.15E-04	2.89E-07	1.23E-07	9.14E-04	2.88E-07	1.22E-07
159	486633.18, 3856293.15	8.95E-04	2.82E-07	1.20E-07	9.13E-04	2.88E-07	1.22E-07	9.12E-04	2.88E-07	1.22E-07
160	486683.18, 3856293.15	8.93E-04	2.82E-07	1.20E-07	9.11E-04	2.87E-07	1.22E-07	9.10E-04	2.87E-07	1.22E-07
161	486733.18, 3856293.15	8.92E-04	2.82E-07	1.19E-07	9.10E-04	2.87E-07	1.22E-07	9.09E-04	2.87E-07	1.22E-07
162	486783.18, 3856293.15	8.90E-04	2.81E-07	1.19E-07	9.08E-04	2.87E-07	1.22E-07	9.07E-04	2.86E-07	1.21E-07
163	486783.18, 3856343.15	8.92E-04	2.82E-07	1.19E-07	9.10E-04	2.87E-07	1.22E-07	9.09E-04	2.87E-07	1.22E-07
164	486833.18, 3856343.15	8.90E-04	2.81E-07	1.19E-07	9.09E-04	2.87E-07	1.22E-07	9.08E-04	2.86E-07	1.22E-07
165	486883.18, 3856343.15	8.89E-04	2.81E-07	1.19E-07	9.07E-04	2.86E-07	1.22E-07	9.06E-04	2.86E-07	1.21E-07
166	486783.18, 3856393.15	8.92E-04	2.82E-07	1.19E-07	9.10E-04	2.87E-07	1.22E-07	9.09E-04	2.87E-07	1.22E-07
167	486833.18, 3856393.15	8.91E-04	2.81E-07	1.19E-07	9.09E-04	2.87E-07	1.22E-07	9.08E-04	2.87E-07	1.22E-07
168	486883.18, 3856393.15	8.88E-04	2.80E-07	1.19E-07	9.07E-04	2.86E-07	1.21E-07	9.05E-04	2.86E-07	1.21E-07
169	487208.74, 3856886.11	9.11E-04	2.88E-07	1.22E-07	9.30E-04	2.93E-07	1.24E-07	9.29E-04	2.93E-07	1.24E-07
170	487258.74, 3856886.11	9.10E-04	2.87E-07	1.22E-07	9.29E-04	2.93E-07	1.24E-07	9.27E-04	2.93E-07	1.24E-07
171	487308.74, 3856886.11	9.08E-04	2.87E-07	1.22E-07	9.27E-04	2.93E-07	1.24E-07	9.26E-04	2.92E-07	1.24E-07
172	487358.74, 3856886.11	9.06E-04	2.86E-07	1.21E-07	9.25E-04	2.92E-07	1.24E-07	9.24E-04	2.92E-07	1.24E-07
173	487208.74, 3856936.11	9.16E-04	2.89E-07	1.23E-07	9.34E-04	2.95E-07	1.25E-07	9.33E-04	2.95E-07	1.25E-07
174	487258.74, 3856936.11	9.15E-04	2.89E-07	1.23E-07	9.34E-04	2.95E-07	1.25E-07	9.33E-04	2.94E-07	1.25E-07
175	487308.74, 3856936.11	9.15E-04	2.89E-07	1.22E-07	9.33E-04	2.95E-07	1.25E-07	9.32E-04	2.94E-07	1.25E-07
176	487358.74, 3856936.11	9.13E-04	2.88E-07	1.22E-07	9.32E-04	2.94E-07	1.25E-07	9.31E-04	2.94E-07	1.25E-07
177	487208.74, 3856986.11	9.18E-04	2.90E-07	1.23E-07	9.37E-04	2.96E-07	1.26E-07	9.36E-04	2.95E-07	1.25E-07
178	487258.74, 3856986.11	9.21E-04	2.91E-07	1.23E-07	9.40E-04	2.97E-07	1.26E-07	9.39E-04	2.96E-07	1.26E-07
179	487308.74, 3856986.11	9.21E-04	2.91E-07	1.23E-07	9.40E-04	2.97E-07	1.26E-07	9.39E-04	2.96E-07	1.26E-07
180	487358.74, 3856986.11	9.21E-04	2.91E-07	1.23E-07	9.40E-04	2.97E-07	1.26E-07	9.39E-04	2.96E-07	1.26E-07
181	487208.74, 3857036.11	9.21E-04	2.91E-07	1.23E-07	9.40E-04	2.97E-07	1.26E-07	9.39E-04	2.96E-07	1.26E-07
182	487258.74, 3857036.11	9.25E-04	2.92E-07	1.24E-07	9.44E-04	2.98E-07	1.26E-07	9.43E-04	2.98E-07	1.26E-07
183	487308.74, 3857036.11	9.28E-04	2.93E-07	1.24E-07	9.47E-04	2.99E-07	1.27E-07	9.46E-04	2.98E-07	1.27E-07
184	487358.74, 3857036.11	9.29E-04	2.93E-07	1.24E-07	9.48E-04	2.99E-07	1.27E-07	9.47E-04	2.99E-07	1.27E-07
185	487427.14, 3856878.23	9.05E-04	2.86E-07	1.21E-07	9.24E-04	2.92E-07	1.24E-07	9.23E-04	2.91E-07	1.24E-07
186	487477.14, 3856878.23	9.05E-04	2.86E-07	1.21E-07	9.23E-04	2.91E-07	1.24E-07	9.22E-04	2.91E-07	1.24E-07
187	487527.14, 3856878.23	9.05E-04	2.86E-07	1.21E-07	9.23E-04	2.91E-07	1.24E-07	9.22E-04	2.91E-07	1.23E-07
188	487427.14, 3856928.23	9.11E-04	2.88E-07	1.22E-07	9.30E-04	2.94E-07	1.25E-07	9.29E-04	2.93E-07	1.24E-07
189	487477.14, 3856928.23	9.10E-04	2.87E-07	1.22E-07	9.29E-04	2.93E-07	1.24E-07	9.27E-04	2.93E-07	1.24E-07
190	487527.14, 3856928.23	9.10E-04	2.87E-07	1.22E-07	9.29E-04	2.93E-07	1.24E-07	9.27E-04	2.93E-07	1.24E-07
191	487577.14, 3856928.23	9.10E-04	2.87E-07	1.22E-07	9.29E-04	2.93E-07	1.24E-07	9.28E-04	2.93E-07	1.24E-07
192	487627.14, 3856928.23	9.10E-04	2.87E-07	1.22E-07	9.28E-04	2.93E-07	1.24E-07	9.27E-04	2.93E-07	1.24E-07
193	487677.14, 3856928.23	9.12E-04	2.88E-07	1.22E-07	9.31E-04	2.94E-07	1.25E-07	9.30E-04	2.93E-07	1.24E-07
194	487727.14, 3856928.23	9.15E-04	2.89E-07	1.23E-07	9.34E-04	2.95E-07	1.25E-07	9.33E-04	2.94E-07	1.25E-07
195	487777.14, 3856928.23	9.18E-04	2.90E-07	1.23E-07	9.36E-04	2.96E-07	1.25E-07	9.35E-04	2.95E-07	1.25E-07
196	487427.14, 3856978.23	9.18E-04	2.90E-07	1.23E-07	9.37E-04	2.96E-07	1.25E-07	9.36E-04	2.95E-07	1.25E-07
197	487477.14, 3856978.23	9.18E-04	2.90E-07	1.23E-07	9.36E-04	2.96E-07	1.25E-07	9.35E-04	2.95E-07	1.25E-07
198	487527.14, 3856978.23	9.17E-04	2.90E-07	1.23E-07	9.36E-04	2.95E-07	1.25E-07	9.35E-04	2.95E-07	1.25E-07
199	487577.14, 3856978.23	9.17E-04	2.89E-07	1.23E-07	9.36E-04	2.95E-07	1.25E-07	9.35E-04	2.95E-07	1.25E-07
200	487627.14, 3856978.23	9.16E-04	2.89E-07	1.23E-07	9.35E-04	2.95E-07	1.25E-07	9.33E-04	2.95E-07	1.25E-07
201	487677.14, 3856978.23	9.18E-04	2.90E-07	1.23E-07	9.36E-04	2.96E-07	1.25E-07	9.35E-04	2.95E-07	1.25E-07
202	487727.14, 3856978.23	9.16E-04	2.89E-07	1.23E-07	9.35E-04	2.95E-07	1.25E-07	9.34E-04	2.95E-07	1.25E-07
203	487777.14, 3856978.23	9.23E-04	2.91E-07	1.24E-07	9.42E-04	2.97E-07	1.26E-07	9.41E-04	2.97E-07	1.26E-07
204	487427.14, 3857028.23	9.27E-04	2.92E-07	1.24E-07	9.46E-04	2.98E-07	1.27E-07	9.45E-04	2.98E-07	1.26E-07
205	487477.14, 3857028.23	9.26E-04	2.92E-07	1.24E-07	9.45E-04	2.98E-07	1.27E-07	9.44E-04	2.98E-07	1.26E-07
206	487527.14, 3857028.23	9.25E-04	2.92E-07	1.24E-07	9.44E-04	2.98E-07	1.26E-07	9.43E-04	2.98E-07	1.26E-07

207	487577.14, 3857028.23	9.25E-04	2.92E-07	1.24E-07	9.44E-04	2.98E-07	1.26E-07	9.42E-04	2.97E-07	1.26E-07
208	487627.14, 3857028.23	9.23E-04	2.91E-07	1.24E-07	9.42E-04	2.97E-07	1.26E-07	9.41E-04	2.97E-07	1.26E-07
209	487677.14, 3857028.23	9.24E-04	2.92E-07	1.24E-07	9.43E-04	2.98E-07	1.26E-07	9.42E-04	2.97E-07	1.26E-07
210	487727.14, 3857028.23	9.26E-04	2.92E-07	1.24E-07	9.45E-04	2.98E-07	1.27E-07	9.44E-04	2.98E-07	1.26E-07
211	487777.14, 3857028.23	9.29E-04	2.93E-07	1.24E-07	9.48E-04	2.99E-07	1.27E-07	9.47E-04	2.99E-07	1.27E-07
212	487427.14, 3857078.23	9.35E-04	2.95E-07	1.25E-07	9.54E-04	3.01E-07	1.28E-07	9.53E-04	3.01E-07	1.28E-07
213	487477.14, 3857078.23	9.34E-04	2.95E-07	1.25E-07	9.53E-04	3.01E-07	1.28E-07	9.52E-04	3.01E-07	1.28E-07
214	487527.14, 3857078.23	9.34E-04	2.95E-07	1.25E-07	9.53E-04	3.01E-07	1.28E-07	9.52E-04	3.00E-07	1.27E-07
215	487577.14, 3857078.23	9.33E-04	2.95E-07	1.25E-07	9.52E-04	3.01E-07	1.28E-07	9.51E-04	3.00E-07	1.27E-07
216	487627.14, 3857078.23	9.32E-04	2.94E-07	1.25E-07	9.51E-04	3.00E-07	1.27E-07	9.50E-04	3.00E-07	1.27E-07
217	487677.14, 3857078.23	9.32E-04	2.94E-07	1.25E-07	9.51E-04	3.00E-07	1.27E-07	9.50E-04	3.00E-07	1.27E-07
218	487727.14, 3857078.23	9.34E-04	2.95E-07	1.25E-07	9.53E-04	3.01E-07	1.28E-07	9.52E-04	3.00E-07	1.27E-07
219	487777.14, 3857078.23	9.35E-04	2.95E-07	1.25E-07	9.54E-04	3.01E-07	1.28E-07	9.53E-04	3.01E-07	1.28E-07
220	487427.14, 3857128.23	9.44E-04	2.98E-07	1.26E-07	9.63E-04	3.04E-07	1.29E-07	9.62E-04	3.04E-07	1.29E-07
221	487477.14, 3857128.23	9.44E-04	2.98E-07	1.26E-07	9.63E-04	3.04E-07	1.29E-07	9.62E-04	3.04E-07	1.29E-07
222	487527.14, 3857128.23	9.43E-04	2.98E-07	1.26E-07	9.62E-04	3.04E-07	1.29E-07	9.61E-04	3.03E-07	1.29E-07
223	487577.14, 3857128.23	9.42E-04	2.97E-07	1.26E-07	9.62E-04	3.03E-07	1.29E-07	9.60E-04	3.03E-07	1.29E-07
224	487627.14, 3857128.23	9.42E-04	2.97E-07	1.26E-07	9.61E-04	3.03E-07	1.29E-07	9.60E-04	3.03E-07	1.29E-07
225	487677.14, 3857128.23	9.41E-04	2.97E-07	1.26E-07	9.60E-04	3.03E-07	1.29E-07	9.59E-04	3.03E-07	1.28E-07
226	487727.14, 3857128.23	9.43E-04	2.98E-07	1.26E-07	9.62E-04	3.04E-07	1.29E-07	9.61E-04	3.03E-07	1.29E-07
227	487777.14, 3857128.23	9.43E-04	2.98E-07	1.26E-07	9.62E-04	3.04E-07	1.29E-07	9.61E-04	3.03E-07	1.29E-07
228	488049.44, 3856539.39	8.93E-04	2.82E-07	1.20E-07	9.11E-04	2.88E-07	1.22E-07	9.10E-04	2.87E-07	1.22E-07
229	488099.44, 3856539.39	8.90E-04	2.81E-07	1.19E-07	9.08E-04	2.87E-07	1.22E-07	9.07E-04	2.86E-07	1.21E-07
230	488149.44, 3856539.39	8.89E-04	2.81E-07	1.19E-07	9.07E-04	2.86E-07	1.21E-07	9.06E-04	2.86E-07	1.21E-07
231	488049.44, 3856589.39	8.95E-04	2.82E-07	1.20E-07	9.13E-04	2.88E-07	1.22E-07	9.12E-04	2.88E-07	1.22E-07
232	488099.44, 3856589.39	8.92E-04	2.82E-07	1.19E-07	9.10E-04	2.87E-07	1.22E-07	9.09E-04	2.87E-07	1.22E-07
233	488149.44, 3856589.39	8.90E-04	2.81E-07	1.19E-07	9.08E-04	2.87E-07	1.22E-07	9.07E-04	2.86E-07	1.21E-07
234	488199.44, 3856589.39	8.87E-04	2.80E-07	1.19E-07	9.05E-04	2.86E-07	1.21E-07	9.04E-04	2.85E-07	1.21E-07
235	488249.44, 3856589.39	8.88E-04	2.80E-07	1.19E-07	9.07E-04	2.86E-07	1.21E-07	9.05E-04	2.86E-07	1.21E-07
236	488049.44, 3856639.39	8.97E-04	2.83E-07	1.20E-07	9.16E-04	2.89E-07	1.23E-07	9.14E-04	2.89E-07	1.22E-07
237	488099.44, 3856639.39	8.94E-04	2.82E-07	1.20E-07	9.13E-04	2.88E-07	1.22E-07	9.11E-04	2.88E-07	1.22E-07
238	488149.44, 3856639.39	8.92E-04	2.82E-07	1.19E-07	9.10E-04	2.87E-07	1.22E-07	9.09E-04	2.87E-07	1.22E-07
239	488199.44, 3856639.39	8.91E-04	2.81E-07	1.19E-07	9.09E-04	2.87E-07	1.22E-07	9.08E-04	2.87E-07	1.22E-07
240	488249.44, 3856639.39	8.89E-04	2.81E-07	1.19E-07	9.07E-04	2.86E-07	1.22E-07	9.06E-04	2.86E-07	1.21E-07
241	488299.44, 3856639.39	8.88E-04	2.80E-07	1.19E-07	9.06E-04	2.86E-07	1.21E-07	9.05E-04	2.86E-07	1.21E-07
242	488349.44, 3856639.39	8.86E-04	2.80E-07	1.19E-07	9.04E-04	2.85E-07	1.21E-07	9.03E-04	2.85E-07	1.21E-07
243	488399.44, 3856639.39	8.86E-04	2.80E-07	1.19E-07	9.04E-04	2.85E-07	1.21E-07	9.03E-04	2.85E-07	1.21E-07
244	488099.44, 3856689.39	8.98E-04	2.84E-07	1.20E-07	9.17E-04	2.89E-07	1.23E-07	9.16E-04	2.89E-07	1.23E-07
245	488149.44, 3856689.39	8.95E-04	2.83E-07	1.20E-07	9.13E-04	2.88E-07	1.22E-07	9.12E-04	2.88E-07	1.22E-07
246	488199.44, 3856689.39	8.94E-04	2.82E-07	1.20E-07	9.12E-04	2.88E-07	1.22E-07	9.11E-04	2.87E-07	1.22E-07
247	488249.44, 3856689.39	8.91E-04	2.81E-07	1.19E-07	9.09E-04	2.87E-07	1.22E-07	9.08E-04	2.87E-07	1.22E-07
248	488299.44, 3856689.39	8.91E-04	2.81E-07	1.19E-07	9.09E-04	2.87E-07	1.22E-07	9.08E-04	2.87E-07	1.22E-07
249	488349.44, 3856689.39	8.88E-04	2.80E-07	1.19E-07	9.07E-04	2.86E-07	1.21E-07	9.05E-04	2.86E-07	1.21E-07
250	488399.44, 3856689.39	8.85E-04	2.79E-07	1.18E-07	9.03E-04	2.85E-07	1.21E-07	9.02E-04	2.85E-07	1.21E-07
251	488099.44, 3856739.39	9.04E-04	2.85E-07	1.21E-07	9.22E-04	2.91E-07	1.24E-07	9.21E-04	2.91E-07	1.23E-07
252	488149.44, 3856739.39	9.00E-04	2.84E-07	1.21E-07	9.18E-04	2.90E-07	1.23E-07	9.17E-04	2.89E-07	1.23E-07
253	488199.44, 3856739.39	8.99E-04	2.84E-07	1.20E-07	9.17E-04	2.90E-07	1.23E-07	9.16E-04	2.89E-07	1.23E-07
254	488249.44, 3856739.39	8.96E-04	2.83E-07	1.20E-07	9.14E-04	2.89E-07	1.22E-07	9.13E-04	2.88E-07	1.22E-07
255	488299.44, 3856739.39	8.91E-04	2.81E-07	1.19E-07	9.10E-04	2.87E-07	1.22E-07	9.08E-04	2.87E-07	1.22E-07
256	488349.44, 3856739.39	8.92E-04	2.82E-07	1.19E-07	9.10E-04	2.87E-07	1.22E-07	9.09E-04	2.87E-07	1.22E-07
257	488399.44, 3856739.39	8.93E-04	2.82E-07	1.20E-07	9.11E-04	2.88E-07	1.22E-07	9.10E-04	2.87E-07	1.22E-07
258	487999.44, 3856789.39	9.12E-04	2.88E-07	1.22E-07	9.30E-04	2.94E-07	1.25E-07	9.29E-04	2.93E-07	1.24E-07
259	488049.44, 3856789.39	9.10E-04	2.87E-07	1.22E-07	9.28E-04	2.93E-07	1.24E-07	9.27E-04	2.93E-07	1.24E-07
260	488099.44, 3856789.39	9.09E-04	2.87E-07	1.22E-07	9.27E-04	2.93E-07	1.24E-07	9.26E-04	2.92E-07	1.24E-07
261	488149.44, 3856789.39	9.06E-04	2.86E-07	1.21E-07	9.24E-04	2.92E-07	1.24E-07	9.23E-04	2.91E-07	1.24E-07
262	488199.44, 3856789.39	9.04E-04	2.85E-07	1.21E-07	9.22E-04	2.91E-07	1.23E-07	9.21E-04	2.91E-07	1.23E-07
263	488249.44, 3856789.39	9.01E-04	2.84E-07	1.21E-07	9.19E-04	2.90E-07	1.23E-07	9.18E-04	2.90E-07	1.23E-07
264	488299.44, 3856789.39	8.97E-04	2.83E-07	1.20E-07	9.16E-04	2.89E-07	1.23E-07	9.14E-04	2.89E-07	1.22E-07
265	488349.44, 3856789.39	8.98E-04	2.83E-07	1.20E-07	9.16E-04	2.89E-07	1.23E-07	9.15E-04	2.89E-07	1.23E-07
266	488399.44, 3856789.39	8.98E-04	2.83E-07	1.20E-07	9.16E-04	2.89E-07	1.23E-07	9.15E-04	2.89E-07	1.23E-07
267	487949.44, 3856839.39	9.18E-04	2.90E-07	1.23E-07	9.36E-04	2.96E-07	1.25E-07	9.35E-04	2.95E-07	1.25E-07
268	487999.44, 3856839.39	9.17E-04	2.89E-07	1.23E-07	9.36E-04	2.95E-07	1.25E-07	9.35E-04	2.95E-07	1.25E-07
269	488049.44, 3856839.39	9.15E-04	2.89E-07	1.23E-07	9.34E-04	2.95E-07	1.25E-07	9.33E-04	2.94E-07	1.25E-07
270	488099.44, 3856839.39	9.13E-04	2.88E-07	1.22E-07	9.32E-04	2.94E-07	1.25E-07	9.31E-04	2.94E-07	1.25E-07
271	488149.44, 3856839.39	9.12E-04	2.88E-07	1.22E-07	9.31E-04	2.94E-07	1.25E-07	9.30E-04	2.93E-07	1.24E-07
272	488199.44, 3856839.39	9.10E-04	2.87E-07	1.22E-07	9.29E-04	2.93E-07	1.24E-07	9.28E-04	2.93E-07	1.24E-07
273	487949.44, 3856889.39	9.21E-04	2.91E-07	1.23E-07	9.40E-04	2.97E-07	1.26E-07	9.39E-04	2.96E-07	1.26E-07
274	487999.44, 3856889.39	9.23E-04	2.91E-07	1.24E-07	9.42E-04	2.97E-07	1.26E-07	9.41E-04	2.97E-07	1.26E-07
275	488049.44, 3856889.39	9.20E-04	2.90E-07	1.23E-07	9.39E-04	2.96E-07	1.26E-07	9.38E-04	2.96E-07	1.26E-07
276	488099.44, 3856889.39	9.20E-04	2.90E-07	1.23E-07	9.39E-04	2.96E-07	1.26E-07	9.38E-04	2.96E-07	1.26E-07

277	488635.86, 3857895.05	1.35E-03	4.27E-07	1.81E-07	1.38E-03	4.36E-07	1.85E-07	1.38E-03	4.35E-07	1.85E-07
278	489137.64, 3857804.15	1.25E-03	3.96E-07	1.68E-07	1.28E-03	4.04E-07	1.71E-07	1.28E-03	4.03E-07	1.71E-07
279	488617.32, 3857859.41	1.32E-03	4.16E-07	1.76E-07	1.34E-03	4.24E-07	1.80E-07	1.34E-03	4.24E-07	1.80E-07
280	488667.32, 3857859.41	1.32E-03	4.17E-07	1.77E-07	1.35E-03	4.25E-07	1.80E-07	1.35E-03	4.25E-07	1.80E-07
281	488717.32, 3857859.41	1.33E-03	4.18E-07	1.78E-07	1.35E-03	4.27E-07	1.81E-07	1.35E-03	4.26E-07	1.81E-07
282	488767.32, 3857859.41	1.34E-03	4.22E-07	1.79E-07	1.36E-03	4.30E-07	1.83E-07	1.36E-03	4.30E-07	1.82E-07
283	488617.32, 3857909.41	1.37E-03	4.31E-07	1.83E-07	1.39E-03	4.40E-07	1.87E-07	1.39E-03	4.39E-07	1.86E-07
284	488667.32, 3857909.41	1.38E-03	4.36E-07	1.85E-07	1.41E-03	4.45E-07	1.89E-07	1.41E-03	4.44E-07	1.88E-07
285	488717.32, 3857909.41	1.37E-03	4.34E-07	1.84E-07	1.40E-03	4.42E-07	1.88E-07	1.40E-03	4.42E-07	1.87E-07
286	488767.32, 3857909.41	1.39E-03	4.38E-07	1.86E-07	1.42E-03	4.47E-07	1.90E-07	1.41E-03	4.46E-07	1.89E-07
287	488417.32, 3857959.41	1.41E-03	4.44E-07	1.88E-07	1.43E-03	4.53E-07	1.92E-07	1.43E-03	4.52E-07	1.92E-07
288	488467.32, 3857959.41	1.41E-03	4.45E-07	1.89E-07	1.44E-03	4.54E-07	1.93E-07	1.44E-03	4.54E-07	1.93E-07
289	488517.32, 3857959.41	1.42E-03	4.47E-07	1.90E-07	1.45E-03	4.56E-07	1.94E-07	1.44E-03	4.56E-07	1.93E-07
290	488567.32, 3857959.41	1.42E-03	4.48E-07	1.90E-07	1.45E-03	4.57E-07	1.94E-07	1.45E-03	4.57E-07	1.94E-07
291	488617.32, 3857959.41	1.42E-03	4.49E-07	1.91E-07	1.45E-03	4.58E-07	1.94E-07	1.45E-03	4.58E-07	1.94E-07
292	488667.32, 3857959.41	1.43E-03	4.50E-07	1.91E-07	1.46E-03	4.60E-07	1.95E-07	1.45E-03	4.59E-07	1.95E-07
293	488717.32, 3857959.41	1.43E-03	4.53E-07	1.92E-07	1.46E-03	4.62E-07	1.96E-07	1.46E-03	4.61E-07	1.96E-07
294	488767.32, 3857959.41	1.44E-03	4.54E-07	1.93E-07	1.47E-03	4.64E-07	1.97E-07	1.47E-03	4.63E-07	1.97E-07
295	488417.32, 3858009.41	1.46E-03	4.62E-07	1.96E-07	1.49E-03	4.71E-07	2.00E-07	1.49E-03	4.71E-07	2.00E-07
296	488467.32, 3858009.41	1.47E-03	4.64E-07	1.97E-07	1.50E-03	4.74E-07	2.01E-07	1.50E-03	4.73E-07	2.01E-07
297	488517.32, 3858009.41	1.47E-03	4.65E-07	1.97E-07	1.50E-03	4.75E-07	2.01E-07	1.50E-03	4.74E-07	2.01E-07
298	488567.32, 3858009.41	1.48E-03	4.67E-07	1.98E-07	1.51E-03	4.76E-07	2.02E-07	1.51E-03	4.76E-07	2.02E-07
299	488617.32, 3858009.41	1.48E-03	4.67E-07	1.98E-07	1.51E-03	4.77E-07	2.02E-07	1.51E-03	4.76E-07	2.02E-07
300	488667.32, 3858009.41	1.48E-03	4.68E-07	1.99E-07	1.51E-03	4.78E-07	2.03E-07	1.51E-03	4.77E-07	2.02E-07
301	488717.32, 3858009.41	1.49E-03	4.70E-07	1.99E-07	1.52E-03	4.80E-07	2.03E-07	1.52E-03	4.79E-07	2.03E-07
302	488767.32, 3858009.41	1.50E-03	4.72E-07	2.00E-07	1.53E-03	4.82E-07	2.04E-07	1.52E-03	4.81E-07	2.04E-07
303	488417.32, 3858059.41	1.53E-03	4.82E-07	2.04E-07	1.56E-03	4.91E-07	2.09E-07	1.56E-03	4.91E-07	2.08E-07
304	488467.32, 3858059.41	1.53E-03	4.84E-07	2.05E-07	1.57E-03	4.94E-07	2.10E-07	1.56E-03	4.93E-07	2.09E-07
305	488517.32, 3858059.41	1.54E-03	4.86E-07	2.06E-07	1.57E-03	4.96E-07	2.10E-07	1.57E-03	4.95E-07	2.10E-07
306	488567.32, 3858059.41	1.54E-03	4.87E-07	2.07E-07	1.57E-03	4.97E-07	2.11E-07	1.57E-03	4.96E-07	2.10E-07
307	488617.32, 3858059.41	1.55E-03	4.88E-07	2.07E-07	1.58E-03	4.98E-07	2.11E-07	1.58E-03	4.97E-07	2.11E-07
308	488667.32, 3858059.41	1.55E-03	4.89E-07	2.07E-07	1.58E-03	4.99E-07	2.12E-07	1.58E-03	4.98E-07	2.11E-07
309	488417.32, 3858109.41	1.59E-03	5.01E-07	2.13E-07	1.62E-03	5.11E-07	2.17E-07	1.62E-03	5.11E-07	2.17E-07
310	488467.32, 3858109.41	1.60E-03	5.05E-07	2.14E-07	1.63E-03	5.15E-07	2.19E-07	1.63E-03	5.15E-07	2.18E-07
311	488517.32, 3858109.41	1.61E-03	5.08E-07	2.16E-07	1.64E-03	5.18E-07	2.20E-07	1.64E-03	5.18E-07	2.20E-07
312	488567.32, 3858109.41	1.61E-03	5.09E-07	2.16E-07	1.65E-03	5.19E-07	2.20E-07	1.64E-03	5.19E-07	2.20E-07
313	488617.32, 3858109.41	1.62E-03	5.10E-07	2.17E-07	1.65E-03	5.21E-07	2.21E-07	1.65E-03	5.20E-07	2.21E-07
314	488667.32, 3858109.41	1.62E-03	5.11E-07	2.17E-07	1.65E-03	5.22E-07	2.21E-07	1.65E-03	5.21E-07	2.21E-07
315	488769.93, 3858449.27	2.50E-03	7.88E-07	3.34E-07	2.55E-03	8.04E-07	3.41E-07	2.55E-03	8.03E-07	3.41E-07
316	488819.93, 3858449.27	2.51E-03	7.93E-07	3.37E-07	2.56E-03	8.09E-07	3.43E-07	2.56E-03	8.08E-07	3.43E-07
317	488819.93, 3858499.27	2.75E-03	8.69E-07	3.69E-07	2.81E-03	8.87E-07	3.76E-07	2.81E-03	8.86E-07	3.76E-07
318	488869.93, 3858499.27	2.76E-03	8.72E-07	3.70E-07	2.82E-03	8.90E-07	3.77E-07	2.82E-03	8.89E-07	3.77E-07
319	488869.93, 3858549.27	3.06E-03	9.67E-07	4.10E-07	3.13E-03	9.87E-07	4.19E-07	3.12E-03	9.86E-07	4.18E-07
320	489438.17, 3859571.48	1.08E-02	3.42E-06	1.45E-06	1.11E-02	3.49E-06	1.48E-06	1.10E-02	3.49E-06	1.48E-06
321	489488.17, 3859571.48	1.18E-02	3.73E-06	1.58E-06	1.20E-02	3.80E-06	1.61E-06	1.20E-02	3.80E-06	1.61E-06
322	489538.17, 3859571.48	1.29E-02	4.08E-06	1.73E-06	1.32E-02	4.16E-06	1.77E-06	1.32E-02	4.16E-06	1.76E-06
323	489588.17, 3859571.48	1.42E-02	4.47E-06	1.90E-06	1.44E-02	4.56E-06	1.93E-06	1.44E-02	4.55E-06	1.93E-06
324	489438.17, 3859621.48	9.53E-03	3.01E-06	1.28E-06	9.73E-03	3.07E-06	1.30E-06	9.71E-03	3.07E-06	1.30E-06
325	489488.17, 3859621.48	1.03E-02	3.24E-06	1.38E-06	1.05E-02	3.31E-06	1.40E-06	1.05E-02	3.30E-06	1.40E-06
326	489538.17, 3859621.48	1.11E-02	3.51E-06	1.49E-06	1.14E-02	3.58E-06	1.52E-06	1.13E-02	3.58E-06	1.52E-06
327	489588.17, 3859621.48	1.22E-02	3.84E-06	1.63E-06	1.24E-02	3.92E-06	1.66E-06	1.24E-02	3.91E-06	1.66E-06
328	489238.17, 3859671.48	6.63E-03	2.09E-06	8.88E-07	6.77E-03	2.14E-06	9.07E-07	6.76E-03	2.13E-06	9.05E-07
329	489288.17, 3859671.48	7.02E-03	2.22E-06	9.40E-07	7.16E-03	2.26E-06	9.59E-07	7.15E-03	2.26E-06	9.58E-07
330	489338.17, 3859671.48	7.47E-03	2.36E-06	1.00E-06	7.62E-03	2.41E-06	1.02E-06	7.61E-03	2.40E-06	1.02E-06
331	489388.17, 3859671.48	8.00E-03	2.52E-06	1.07E-06	8.16E-03	2.58E-06	1.09E-06	8.15E-03	2.57E-06	1.09E-06
332	489438.17, 3859671.48	8.52E-03	2.69E-06	1.14E-06	8.69E-03	2.74E-06	1.16E-06	8.68E-03	2.74E-06	1.16E-06
333	489488.17, 3859671.48	9.17E-03	2.89E-06	1.23E-06	9.35E-03	2.95E-06	1.25E-06	9.34E-03	2.95E-06	1.25E-06
334	489538.17, 3859671.48	9.86E-03	3.11E-06	1.32E-06	1.01E-02	3.18E-06	1.35E-06	1.01E-02	3.17E-06	1.35E-06
335	489588.17, 3859671.48	1.07E-02	3.36E-06	1.43E-06	1.09E-02	3.43E-06	1.46E-06	1.09E-02	3.43E-06	1.46E-06
336	489238.17, 3859721.48	6.13E-03	1.93E-06	8.21E-07	6.25E-03	1.97E-06	8.38E-07	6.25E-03	1.97E-06	8.37E-07
337	489288.17, 3859721.48	6.50E-03	2.05E-06	8.70E-07	6.63E-03	2.09E-06	8.88E-07	6.62E-03	2.09E-06	8.87E-07
338	489338.17, 3859721.48	6.87E-03	2.17E-06	9.20E-07	7.01E-03	2.21E-06	9.39E-07	7.01E-03	2.21E-06	9.38E-07
339	489388.17, 3859721.48	7.28E-03	2.30E-06	9.75E-07	7.43E-03	2.35E-06	9.95E-07	7.42E-03	2.34E-06	9.94E-07
340	489438.17, 3859721.48	7.72E-03	2.44E-06	1.03E-06	7.88E-03	2.49E-06	1.05E-06	7.87E-03	2.48E-06	1.05E-06
341	489488.17, 3859721.48	8.26E-03	2.61E-06	1.11E-06	8.43E-03	2.66E-06	1.13E-06	8.42E-03	2.66E-06	1.13E-06
342	489538.17, 3859721.48	8.84E-03	2.79E-06	1.18E-06	9.02E-03	2.85E-06	1.21E-06	9.01E-03	2.84E-06	1.21E-06
343	489588.17, 3859721.48	9.48E-03	2.99E-06	1.27E-06	9.67E-03	3.05E-06	1.29E-06	9.66E-03	3.05E-06	1.29E-06
344	489238.17, 3859771.48	5.70E-03	1.80E-06	7.64E-07	5.82E-03	1.84E-06	7.79E-07	5.81E-03	1.83E-06	7.78E-07
345	489288.17, 3859771.48	6.02E-03	1.90E-06	8.06E-07	6.14E-03	1.94E-06	8.23E-07	6.14E-03	1.94E-06	8.22E-07
346	489338.17, 3859771.48	6.33E-03	2.00E-06	8.48E-07	6.46E-03	2.04E-06	8.65E-07	6.45E-03	2.04E-06	8.64E-07

347	489388.17, 3859771.48	6.68E-03	2.11E-06	8.95E-07	6.82E-03	2.15E-06	9.13E-07	6.81E-03	2.15E-06	9.12E-07
348	489438.17, 3859771.48	7.05E-03	2.22E-06	9.44E-07	7.19E-03	2.27E-06	9.63E-07	7.18E-03	2.27E-06	9.62E-07
349	489488.17, 3859771.48	7.52E-03	2.37E-06	1.01E-06	7.67E-03	2.42E-06	1.03E-06	7.67E-03	2.42E-06	1.03E-06
350	489538.17, 3859771.48	8.01E-03	2.53E-06	1.07E-06	8.17E-03	2.58E-06	1.09E-06	8.16E-03	2.58E-06	1.09E-06
351	489588.17, 3859771.48	8.51E-03	2.69E-06	1.14E-06	8.69E-03	2.74E-06	1.16E-06	8.68E-03	2.74E-06	1.16E-06
352	489238.17, 3859821.48	5.32E-03	1.68E-06	7.13E-07	5.43E-03	1.71E-06	7.27E-07	5.42E-03	1.71E-06	7.26E-07
353	489288.17, 3859821.48	5.60E-03	1.77E-06	7.50E-07	5.72E-03	1.80E-06	7.66E-07	5.71E-03	1.80E-06	7.65E-07
354	489338.17, 3859821.48	5.88E-03	1.85E-06	7.87E-07	6.00E-03	1.89E-06	8.03E-07	5.99E-03	1.89E-06	8.02E-07
355	489388.17, 3859821.48	6.18E-03	1.95E-06	8.27E-07	6.30E-03	1.99E-06	8.44E-07	6.30E-03	1.99E-06	8.43E-07
356	489438.17, 3859821.48	6.53E-03	2.06E-06	8.75E-07	6.67E-03	2.10E-06	8.93E-07	6.66E-03	2.10E-06	8.91E-07
357	489488.17, 3859821.48	6.91E-03	2.18E-06	9.25E-07	7.05E-03	2.22E-06	9.44E-07	7.04E-03	2.22E-06	9.43E-07
358	489538.17, 3859821.48	7.31E-03	2.31E-06	9.78E-07	7.46E-03	2.35E-06	9.98E-07	7.45E-03	2.35E-06	9.97E-07
359	489588.17, 3859821.48	7.72E-03	2.44E-06	1.03E-06	7.88E-03	2.49E-06	1.06E-06	7.87E-03	2.48E-06	1.05E-06
360	489238.17, 3859871.48	5.00E-03	1.58E-06	6.69E-07	5.10E-03	1.61E-06	6.83E-07	5.09E-03	1.61E-06	6.82E-07
361	489288.17, 3859871.48	5.23E-03	1.65E-06	7.00E-07	5.34E-03	1.68E-06	7.14E-07	5.33E-03	1.68E-06	7.14E-07
362	489338.17, 3859871.48	5.48E-03	1.73E-06	7.34E-07	5.59E-03	1.76E-06	7.48E-07	5.58E-03	1.76E-06	7.48E-07
363	489388.17, 3859871.48	5.76E-03	1.82E-06	7.71E-07	5.88E-03	1.85E-06	7.87E-07	5.87E-03	1.85E-06	7.86E-07
364	489438.17, 3859871.48	6.07E-03	1.92E-06	8.13E-07	6.20E-03	1.96E-06	8.30E-07	6.19E-03	1.95E-06	8.29E-07
365	489488.17, 3859871.48	6.39E-03	2.02E-06	8.55E-07	6.52E-03	2.06E-06	8.73E-07	6.51E-03	2.05E-06	8.72E-07
366	489538.17, 3859871.48	6.71E-03	2.12E-06	8.98E-07	6.84E-03	2.16E-06	9.16E-07	6.83E-03	2.16E-06	9.15E-07
367	489588.17, 3859871.48	7.05E-03	2.22E-06	9.44E-07	7.19E-03	2.27E-06	9.63E-07	7.18E-03	2.27E-06	9.62E-07
368	489238.17, 3859921.48	4.71E-03	1.49E-06	6.31E-07	4.81E-03	1.52E-06	6.44E-07	4.81E-03	1.52E-06	6.44E-07
369	489288.17, 3859921.48	4.94E-03	1.56E-06	6.61E-07	5.04E-03	1.59E-06	6.75E-07	5.03E-03	1.59E-06	6.74E-07
370	489338.17, 3859921.48	5.16E-03	1.63E-06	6.90E-07	5.26E-03	1.66E-06	7.05E-07	5.26E-03	1.66E-06	7.04E-07
371	489388.17, 3859921.48	5.40E-03	1.71E-06	7.23E-07	5.51E-03	1.74E-06	7.38E-07	5.51E-03	1.74E-06	7.37E-07
372	489438.17, 3859921.48	5.66E-03	1.79E-06	7.57E-07	5.77E-03	1.82E-06	7.73E-07	5.77E-03	1.82E-06	7.72E-07
373	489488.17, 3859921.48	5.91E-03	1.86E-06	7.91E-07	6.03E-03	1.90E-06	8.07E-07	6.02E-03	1.90E-06	8.06E-07
374	489538.17, 3859921.48	6.17E-03	1.95E-06	8.26E-07	6.30E-03	1.99E-06	8.43E-07	6.29E-03	1.98E-06	8.42E-07
375	489588.17, 3859921.48	6.43E-03	2.03E-06	8.61E-07	6.56E-03	2.07E-06	8.78E-07	6.55E-03	2.07E-06	8.77E-07
376	489238.17, 3859971.48	4.46E-03	1.41E-06	5.98E-07	4.56E-03	1.44E-06	6.10E-07	4.55E-03	1.44E-06	6.09E-07
377	489288.17, 3859971.48	4.65E-03	1.47E-06	6.23E-07	4.75E-03	1.50E-06	6.35E-07	4.74E-03	1.50E-06	6.35E-07
378	489338.17, 3859971.48	4.85E-03	1.53E-06	6.50E-07	4.95E-03	1.56E-06	6.63E-07	4.95E-03	1.56E-06	6.62E-07
379	489388.17, 3859971.48	5.07E-03	1.60E-06	6.78E-07	5.17E-03	1.63E-06	6.92E-07	5.16E-03	1.63E-06	6.91E-07
380	489438.17, 3859971.48	5.25E-03	1.66E-06	7.03E-07	5.36E-03	1.69E-06	7.17E-07	5.35E-03	1.69E-06	7.16E-07
381	489488.17, 3859971.48	5.31E-03	1.68E-06	7.11E-07	5.42E-03	1.71E-06	7.26E-07	5.42E-03	1.71E-06	7.25E-07
382	489538.17, 3859971.48	5.40E-03	1.70E-06	7.23E-07	5.51E-03	1.74E-06	7.37E-07	5.50E-03	1.74E-06	7.36E-07
383	489588.17, 3859971.48	5.47E-03	1.73E-06	7.33E-07	5.58E-03	1.76E-06	7.48E-07	5.58E-03	1.76E-06	7.47E-07
384	483577.7, 3854071	2.72E-03	8.58E-07	3.64E-07	2.77E-03	8.75E-07	3.71E-07	2.77E-03	8.74E-07	3.71E-07
385	483627.7, 3854071	2.71E-03	8.54E-07	3.62E-07	2.76E-03	8.71E-07	3.70E-07	2.76E-03	8.70E-07	3.69E-07
386	483677.7, 3854071	2.69E-03	8.48E-07	3.60E-07	2.74E-03	8.65E-07	3.67E-07	2.74E-03	8.64E-07	3.67E-07
387	483727.7, 3854071	2.67E-03	8.42E-07	3.57E-07	2.72E-03	8.59E-07	3.64E-07	2.72E-03	8.58E-07	3.64E-07
388	483777.7, 3854071	2.63E-03	8.29E-07	3.52E-07	2.68E-03	8.46E-07	3.59E-07	2.68E-03	8.45E-07	3.58E-07
389	483577.7, 3854121	2.57E-03	8.12E-07	3.44E-07	2.62E-03	8.28E-07	3.51E-07	2.62E-03	8.27E-07	3.51E-07
390	483627.7, 3854121	2.55E-03	8.05E-07	3.42E-07	2.60E-03	8.22E-07	3.49E-07	2.60E-03	8.21E-07	3.48E-07
391	483677.7, 3854121	2.52E-03	7.96E-07	3.38E-07	2.57E-03	8.12E-07	3.45E-07	2.57E-03	8.11E-07	3.44E-07
392	483727.7, 3854121	2.49E-03	7.85E-07	3.33E-07	2.54E-03	8.01E-07	3.40E-07	2.53E-03	8.00E-07	3.39E-07
393	483777.7, 3854121	2.46E-03	7.78E-07	3.30E-07	2.51E-03	7.94E-07	3.37E-07	2.51E-03	7.93E-07	3.36E-07
394	483577.7, 3854171	2.42E-03	7.63E-07	3.24E-07	2.47E-03	7.78E-07	3.30E-07	2.46E-03	7.77E-07	3.30E-07
395	483627.7, 3854171	2.38E-03	7.52E-07	3.19E-07	2.43E-03	7.68E-07	3.26E-07	2.43E-03	7.67E-07	3.25E-07
396	483677.7, 3854171	2.36E-03	7.44E-07	3.16E-07	2.41E-03	7.60E-07	3.22E-07	2.40E-03	7.59E-07	3.22E-07
397	483727.7, 3854171	2.34E-03	7.38E-07	3.13E-07	2.39E-03	7.53E-07	3.20E-07	2.38E-03	7.53E-07	3.19E-07
398	483777.7, 3854171	2.32E-03	7.31E-07	3.10E-07	2.36E-03	7.46E-07	3.16E-07	2.36E-03	7.45E-07	3.16E-07
399	483827.7, 3854171	2.27E-03	7.16E-07	3.04E-07	2.32E-03	7.31E-07	3.10E-07	2.31E-03	7.30E-07	3.10E-07
400	483877.7, 3854171	2.24E-03	7.08E-07	3.01E-07	2.29E-03	7.23E-07	3.07E-07	2.29E-03	7.22E-07	3.06E-07
401	483727.7, 3854221	2.21E-03	6.97E-07	2.96E-07	2.25E-03	7.12E-07	3.02E-07	2.25E-03	7.11E-07	3.02E-07
402	483777.7, 3854221	2.18E-03	6.89E-07	2.92E-07	2.23E-03	7.03E-07	2.98E-07	2.23E-03	7.02E-07	2.98E-07
403	483827.7, 3854221	2.18E-03	6.89E-07	2.92E-07	2.23E-03	7.03E-07	2.98E-07	2.23E-03	7.02E-07	2.98E-07
404	483877.7, 3854221	2.15E-03	6.78E-07	2.88E-07	2.19E-03	6.92E-07	2.94E-07	2.19E-03	6.91E-07	2.93E-07
405	489150.19, 3858726.45	5.68E-03	1.79E-06	7.61E-07	5.80E-03	1.83E-06	7.76E-07	5.79E-03	1.83E-06	7.75E-07
406	489200.19, 3858726.45	5.84E-03	1.84E-06	7.82E-07	5.96E-03	1.88E-06	7.98E-07	5.95E-03	1.88E-06	7.97E-07
407	489150.19, 3858776.45	7.97E-03	2.52E-06	1.07E-06	8.13E-03	2.57E-06	1.09E-06	8.12E-03	2.56E-06	1.09E-06
408	489200.19, 3858776.45	8.11E-03	2.56E-06	1.09E-06	8.28E-03	2.61E-06	1.11E-06	8.27E-03	2.61E-06	1.11E-06
409	488919.6, 3856400.76	9.14E-04	2.89E-07	1.22E-07	9.33E-04	2.94E-07	1.25E-07	9.32E-04	2.94E-07	1.25E-07
410	488919.6, 3856450.76	9.09E-04	2.87E-07	1.22E-07	9.27E-04	2.93E-07	1.24E-07	9.26E-04	2.92E-07	1.24E-07
411	488969.6, 3856450.76	9.09E-04	2.87E-07	1.22E-07	9.28E-04	2.93E-07	1.24E-07	9.27E-04	2.92E-07	1.24E-07
412	488919.6, 3856500.76	9.04E-04	2.85E-07	1.21E-07	9.22E-04	2.91E-07	1.23E-07	9.21E-04	2.91E-07	1.23E-07
413	488969.6, 3856500.76	9.05E-04	2.86E-07	1.21E-07	9.23E-04	2.91E-07	1.24E-07	9.22E-04	2.91E-07	1.24E-07
414	488919.6, 3856550.76	9.00E-04	2.84E-07	1.21E-07	9.19E-04	2.90E-07	1.23E-07	9.18E-04	2.90E-07	1.23E-07
415	488969.6, 3856550.76	9.01E-04	2.84E-07	1.21E-07	9.19E-04	2.90E-07	1.23E-07	9.18E-04	2.90E-07	1.23E-07
416	488819.6, 3856600.76	8.95E-04	2.82E-07	1.20E-07	9.13E-04	2.88E-07	1.22E-07	9.12E-04	2.88E-07	1.22E-07

417	488869.6, 3856600.76	8.95E-04	2.83E-07	1.20E-07	9.14E-04	2.88E-07	1.22E-07	9.13E-04	2.88E-07	1.22E-07
418	488919.6, 3856600.76	8.97E-04	2.83E-07	1.20E-07	9.15E-04	2.89E-07	1.23E-07	9.14E-04	2.88E-07	1.22E-07
419	488819.6, 3856650.76	8.92E-04	2.82E-07	1.19E-07	9.10E-04	2.87E-07	1.22E-07	9.09E-04	2.87E-07	1.22E-07
420	488869.6, 3856650.76	8.93E-04	2.82E-07	1.20E-07	9.11E-04	2.88E-07	1.22E-07	9.10E-04	2.87E-07	1.22E-07
421	488819.6, 3856700.76	8.91E-04	2.81E-07	1.19E-07	9.09E-04	2.87E-07	1.22E-07	9.08E-04	2.87E-07	1.22E-07
422	488869.6, 3856700.76	8.92E-04	2.81E-07	1.19E-07	9.10E-04	2.87E-07	1.22E-07	9.09E-04	2.87E-07	1.22E-07
423	488819.6, 3856750.76	8.90E-04	2.81E-07	1.19E-07	9.09E-04	2.87E-07	1.22E-07	9.08E-04	2.86E-07	1.22E-07
424	488869.6, 3856750.76	8.92E-04	2.81E-07	1.19E-07	9.10E-04	2.87E-07	1.22E-07	9.09E-04	2.87E-07	1.22E-07
425	488819.6, 3857050.76	9.21E-04	2.91E-07	1.23E-07	9.39E-04	2.96E-07	1.26E-07	9.38E-04	2.96E-07	1.26E-07
426	488869.6, 3857050.76	9.19E-04	2.90E-07	1.23E-07	9.38E-04	2.96E-07	1.26E-07	9.37E-04	2.96E-07	1.25E-07
427	488919.6, 3857050.76	9.17E-04	2.90E-07	1.23E-07	9.36E-04	2.95E-07	1.25E-07	9.35E-04	2.95E-07	1.25E-07
428	488819.6, 3857100.76	9.32E-04	2.94E-07	1.25E-07	9.51E-04	3.00E-07	1.27E-07	9.50E-04	3.00E-07	1.27E-07
429	488869.6, 3857100.76	9.29E-04	2.93E-07	1.24E-07	9.48E-04	2.99E-07	1.27E-07	9.47E-04	2.99E-07	1.27E-07
430	488919.6, 3857100.76	9.27E-04	2.93E-07	1.24E-07	9.46E-04	2.99E-07	1.27E-07	9.45E-04	2.98E-07	1.27E-07
431	488819.6, 3857150.76	9.45E-04	2.98E-07	1.27E-07	9.64E-04	3.04E-07	1.29E-07	9.63E-04	3.04E-07	1.29E-07
432	488869.6, 3857150.76	9.42E-04	2.97E-07	1.26E-07	9.61E-04	3.03E-07	1.29E-07	9.60E-04	3.03E-07	1.29E-07
433	488919.6, 3857150.76	9.39E-04	2.96E-07	1.26E-07	9.58E-04	3.02E-07	1.28E-07	9.57E-04	3.02E-07	1.28E-07
434	488969.6, 3857150.76	9.36E-04	2.95E-07	1.25E-07	9.55E-04	3.01E-07	1.28E-07	9.54E-04	3.01E-07	1.28E-07
435	488819.6, 3857200.76	9.60E-04	3.03E-07	1.29E-07	9.80E-04	3.09E-07	1.31E-07	9.78E-04	3.09E-07	1.31E-07
436	488869.6, 3857200.76	9.57E-04	3.02E-07	1.28E-07	9.76E-04	3.08E-07	1.31E-07	9.75E-04	3.08E-07	1.31E-07
437	488919.6, 3857200.76	9.53E-04	3.01E-07	1.28E-07	9.72E-04	3.07E-07	1.30E-07	9.71E-04	3.07E-07	1.30E-07
438	488969.6, 3857200.76	9.49E-04	2.99E-07	1.27E-07	9.68E-04	3.05E-07	1.30E-07	9.67E-04	3.05E-07	1.29E-07
439	488819.6, 3857250.76	9.76E-04	3.08E-07	1.31E-07	9.96E-04	3.14E-07	1.33E-07	9.95E-04	3.14E-07	1.33E-07
440	488869.6, 3857250.76	9.72E-04	3.07E-07	1.30E-07	9.92E-04	3.13E-07	1.33E-07	9.91E-04	3.13E-07	1.33E-07
441	488919.6, 3857250.76	9.68E-04	3.06E-07	1.30E-07	9.88E-04	3.12E-07	1.32E-07	9.87E-04	3.11E-07	1.32E-07
442	488969.6, 3857250.76	9.64E-04	3.04E-07	1.29E-07	9.84E-04	3.10E-07	1.32E-07	9.82E-04	3.10E-07	1.32E-07
443	488819.6, 3857300.76	9.95E-04	3.14E-07	1.33E-07	1.02E-03	3.21E-07	1.36E-07	1.01E-03	3.20E-07	1.36E-07
444	488869.6, 3857300.76	9.91E-04	3.13E-07	1.33E-07	1.01E-03	3.19E-07	1.35E-07	1.01E-03	3.19E-07	1.35E-07
445	488919.6, 3857300.76	9.87E-04	3.11E-07	1.32E-07	1.01E-03	3.18E-07	1.35E-07	1.01E-03	3.17E-07	1.35E-07
446	488819.6, 3857450.76	1.06E-03	3.35E-07	1.42E-07	1.08E-03	3.42E-07	1.45E-07	1.08E-03	3.41E-07	1.45E-07
447	488869.6, 3857450.76	1.06E-03	3.34E-07	1.42E-07	1.08E-03	3.40E-07	1.44E-07	1.08E-03	3.40E-07	1.44E-07
448	488919.6, 3857450.76	1.05E-03	3.33E-07	1.41E-07	1.08E-03	3.39E-07	1.44E-07	1.07E-03	3.39E-07	1.44E-07
449	488819.6, 3857500.76	1.09E-03	3.43E-07	1.45E-07	1.11E-03	3.50E-07	1.48E-07	1.11E-03	3.49E-07	1.48E-07
450	488869.6, 3857500.76	1.08E-03	3.42E-07	1.45E-07	1.11E-03	3.49E-07	1.48E-07	1.10E-03	3.48E-07	1.48E-07
451	488919.6, 3857500.76	1.08E-03	3.41E-07	1.45E-07	1.10E-03	3.48E-07	1.48E-07	1.10E-03	3.47E-07	1.47E-07
452	488819.6, 3857550.76	1.11E-03	3.51E-07	1.49E-07	1.14E-03	3.58E-07	1.52E-07	1.13E-03	3.58E-07	1.52E-07
453	488869.6, 3857550.76	1.11E-03	3.50E-07	1.49E-07	1.13E-03	3.58E-07	1.52E-07	1.13E-03	3.57E-07	1.52E-07
454	488919.6, 3857550.76	1.11E-03	3.50E-07	1.48E-07	1.13E-03	3.57E-07	1.51E-07	1.13E-03	3.56E-07	1.51E-07
455	489663.71, 3860900.05	2.20E-03	6.96E-07	2.95E-07	2.25E-03	7.10E-07	3.01E-07	2.25E-03	7.09E-07	3.01E-07
456	489813.71, 3860900.05	2.32E-03	7.32E-07	3.11E-07	2.37E-03	7.47E-07	3.17E-07	2.37E-03	7.47E-07	3.17E-07
457	489863.71, 3860900.05	2.35E-03	7.43E-07	3.15E-07	2.40E-03	7.58E-07	3.22E-07	2.40E-03	7.57E-07	3.21E-07
458	489913.71, 3860900.05	2.40E-03	7.59E-07	3.22E-07	2.45E-03	7.74E-07	3.29E-07	2.45E-03	7.74E-07	3.28E-07
459	489963.71, 3860900.05	2.44E-03	7.71E-07	3.27E-07	2.49E-03	7.86E-07	3.34E-07	2.49E-03	7.85E-07	3.33E-07
460	490013.71, 3860900.05	2.50E-03	7.88E-07	3.34E-07	2.55E-03	8.04E-07	3.41E-07	2.54E-03	8.03E-07	3.41E-07
461	490063.71, 3860900.05	2.55E-03	8.03E-07	3.41E-07	2.60E-03	8.20E-07	3.48E-07	2.59E-03	8.19E-07	3.47E-07
462	489663.71, 3860950.05	2.12E-03	6.70E-07	2.84E-07	2.17E-03	6.84E-07	2.90E-07	2.16E-03	6.83E-07	2.90E-07
463	489813.71, 3860950.05	2.23E-03	7.04E-07	2.99E-07	2.27E-03	7.18E-07	3.05E-07	2.27E-03	7.17E-07	3.04E-07
464	489863.71, 3860950.05	2.26E-03	7.13E-07	3.02E-07	2.30E-03	7.27E-07	3.09E-07	2.30E-03	7.26E-07	3.08E-07
465	489913.71, 3860950.05	2.30E-03	7.26E-07	3.08E-07	2.35E-03	7.41E-07	3.14E-07	2.34E-03	7.40E-07	3.14E-07
466	489963.71, 3860950.05	2.34E-03	7.37E-07	3.13E-07	2.38E-03	7.53E-07	3.19E-07	2.38E-03	7.52E-07	3.19E-07
467	490013.71, 3860950.05	2.38E-03	7.51E-07	3.19E-07	2.43E-03	7.67E-07	3.25E-07	2.43E-03	7.66E-07	3.25E-07
468	490063.71, 3860950.05	2.43E-03	7.66E-07	3.25E-07	2.48E-03	7.81E-07	3.32E-07	2.47E-03	7.80E-07	3.31E-07
469	489513.71, 3861000.05	1.96E-03	6.19E-07	2.62E-07	2.00E-03	6.31E-07	2.68E-07	2.00E-03	6.30E-07	2.67E-07
470	489563.71, 3861000.05	1.99E-03	6.27E-07	2.66E-07	2.03E-03	6.40E-07	2.71E-07	2.02E-03	6.39E-07	2.71E-07
471	489613.71, 3861000.05	2.02E-03	6.37E-07	2.70E-07	2.06E-03	6.50E-07	2.76E-07	2.06E-03	6.49E-07	2.76E-07
472	489663.71, 3861000.05	2.05E-03	6.47E-07	2.74E-07	2.09E-03	6.60E-07	2.80E-07	2.09E-03	6.59E-07	2.80E-07
473	489713.71, 3861000.05	2.08E-03	6.55E-07	2.78E-07	2.12E-03	6.69E-07	2.84E-07	2.12E-03	6.68E-07	2.83E-07
474	489763.71, 3861000.05	2.11E-03	6.65E-07	2.82E-07	2.15E-03	6.78E-07	2.88E-07	2.15E-03	6.78E-07	2.88E-07
475	489813.71, 3861000.05	2.15E-03	6.77E-07	2.87E-07	2.19E-03	6.91E-07	2.93E-07	2.19E-03	6.90E-07	2.93E-07
476	489863.71, 3861000.05	2.17E-03	6.85E-07	2.91E-07	2.22E-03	6.99E-07	2.97E-07	2.21E-03	6.98E-07	2.96E-07
477	489913.71, 3861000.05	2.21E-03	6.97E-07	2.96E-07	2.25E-03	7.12E-07	3.02E-07	2.25E-03	7.11E-07	3.02E-07
478	489963.71, 3861000.05	2.24E-03	7.07E-07	3.00E-07	2.28E-03	7.21E-07	3.06E-07	2.28E-03	7.20E-07	3.06E-07
479	490013.71, 3861000.05	2.28E-03	7.19E-07	3.05E-07	2.32E-03	7.33E-07	3.11E-07	2.32E-03	7.33E-07	3.11E-07
480	490063.71, 3861000.05	2.32E-03	7.31E-07	3.10E-07	2.36E-03	7.46E-07	3.16E-07	2.36E-03	7.45E-07	3.16E-07
481	489513.71, 3861050.05	1.90E-03	5.99E-07	2.54E-07	1.94E-03	6.12E-07	2.60E-07	1.94E-03	6.11E-07	2.59E-07
482	489563.71, 3861050.05	1.92E-03	6.07E-07	2.58E-07	1.96E-03	6.19E-07	2.63E-07	1.96E-03	6.19E-07	2.62E-07
483	489613.71, 3861050.05	1.96E-03	6.18E-07	2.62E-07	2.00E-03	6.30E-07	2.67E-07	1.99E-03	6.29E-07	2.67E-07
484	489663.71, 3861050.05	1.98E-03	6.24E-07	2.65E-07	2.02E-03	6.37E-07	2.70E-07	2.02E-03	6.36E-07	2.70E-07
485	489713.71, 3861050.05	2.00E-03	6.32E-07	2.68E-07	2.04E-03	6.45E-07	2.74E-07	2.04E-03	6.44E-07	2.73E-07
486	489763.71, 3861050.05	2.03E-03	6.41E-07	2.72E-07	2.07E-03	6.54E-07	2.78E-07	2.07E-03	6.53E-07	2.77E-07

487	489813.71, 3861050.05	2.06E-03	6.51E-07	2.76E-07	2.10E-03	6.64E-07	2.82E-07	2.10E-03	6.63E-07	2.81E-07
488	489863.71, 3861050.05	2.09E-03	6.59E-07	2.80E-07	2.13E-03	6.73E-07	2.86E-07	2.13E-03	6.72E-07	2.85E-07
489	489913.71, 3861050.05	2.12E-03	6.69E-07	2.84E-07	2.16E-03	6.83E-07	2.90E-07	2.16E-03	6.82E-07	2.89E-07
490	489963.71, 3861050.05	2.15E-03	6.78E-07	2.88E-07	2.19E-03	6.92E-07	2.94E-07	2.19E-03	6.91E-07	2.93E-07
491	490013.71, 3861050.05	2.19E-03	6.90E-07	2.93E-07	2.23E-03	7.04E-07	2.99E-07	2.23E-03	7.03E-07	2.98E-07
492	490063.71, 3861050.05	2.22E-03	7.00E-07	2.97E-07	2.26E-03	7.14E-07	3.03E-07	2.26E-03	7.14E-07	3.03E-07
493	489513.71, 3861100.05	1.85E-03	5.83E-07	2.47E-07	1.88E-03	5.95E-07	2.52E-07	1.88E-03	5.94E-07	2.52E-07
494	489563.71, 3861100.05	1.86E-03	5.88E-07	2.49E-07	1.90E-03	6.00E-07	2.54E-07	1.90E-03	5.99E-07	2.54E-07
495	489613.71, 3861100.05	1.88E-03	5.92E-07	2.51E-07	1.91E-03	6.04E-07	2.56E-07	1.91E-03	6.04E-07	2.56E-07
496	489663.71, 3861100.05	1.90E-03	6.00E-07	2.55E-07	1.94E-03	6.13E-07	2.60E-07	1.94E-03	6.12E-07	2.60E-07
497	489713.71, 3861100.05	1.93E-03	6.09E-07	2.58E-07	1.97E-03	6.21E-07	2.63E-07	1.97E-03	6.20E-07	2.63E-07
498	489763.71, 3861100.05	1.95E-03	6.17E-07	2.62E-07	1.99E-03	6.29E-07	2.67E-07	1.99E-03	6.29E-07	2.67E-07
499	489813.71, 3861100.05	1.98E-03	6.26E-07	2.66E-07	2.02E-03	6.39E-07	2.71E-07	2.02E-03	6.38E-07	2.71E-07
500	489863.71, 3861100.05	2.02E-03	6.36E-07	2.70E-07	2.06E-03	6.49E-07	2.75E-07	2.05E-03	6.48E-07	2.75E-07
501	489913.71, 3861100.05	2.04E-03	6.43E-07	2.73E-07	2.08E-03	6.56E-07	2.78E-07	2.08E-03	6.55E-07	2.78E-07
502	489963.71, 3861100.05	2.06E-03	6.51E-07	2.76E-07	2.11E-03	6.65E-07	2.82E-07	2.10E-03	6.64E-07	2.82E-07
503	490013.71, 3861100.05	2.09E-03	6.59E-07	2.80E-07	2.13E-03	6.73E-07	2.85E-07	2.13E-03	6.72E-07	2.85E-07
504	490063.71, 3861100.05	2.12E-03	6.69E-07	2.84E-07	2.16E-03	6.82E-07	2.90E-07	2.16E-03	6.82E-07	2.89E-07
505	489713.71, 3861150.05	1.86E-03	5.87E-07	2.49E-07	1.90E-03	5.99E-07	2.54E-07	1.89E-03	5.98E-07	2.54E-07
506	489763.71, 3861150.05	1.88E-03	5.95E-07	2.52E-07	1.92E-03	6.07E-07	2.57E-07	1.92E-03	6.06E-07	2.57E-07
507	489813.71, 3861150.05	1.91E-03	6.03E-07	2.56E-07	1.95E-03	6.15E-07	2.61E-07	1.95E-03	6.15E-07	2.61E-07
508	489863.71, 3861150.05	1.93E-03	6.10E-07	2.59E-07	1.97E-03	6.23E-07	2.64E-07	1.97E-03	6.22E-07	2.64E-07
509	489913.71, 3861150.05	1.96E-03	6.18E-07	2.62E-07	2.00E-03	6.30E-07	2.67E-07	1.99E-03	6.29E-07	2.67E-07
510	489963.71, 3861150.05	1.98E-03	6.24E-07	2.65E-07	2.02E-03	6.37E-07	2.70E-07	2.02E-03	6.36E-07	2.70E-07
511	490013.71, 3861150.05	2.00E-03	6.31E-07	2.68E-07	2.04E-03	6.44E-07	2.73E-07	2.04E-03	6.44E-07	2.73E-07
512	490063.71, 3861150.05	2.03E-03	6.40E-07	2.72E-07	2.07E-03	6.53E-07	2.77E-07	2.07E-03	6.53E-07	2.77E-07
513	489613.71, 3861200.05	1.75E-03	5.52E-07	2.34E-07	1.78E-03	5.63E-07	2.39E-07	1.78E-03	5.62E-07	2.39E-07
514	489663.71, 3861200.05	1.77E-03	5.59E-07	2.37E-07	1.81E-03	5.70E-07	2.42E-07	1.80E-03	5.70E-07	2.42E-07
515	489713.71, 3861200.05	1.79E-03	5.66E-07	2.40E-07	1.83E-03	5.78E-07	2.45E-07	1.83E-03	5.77E-07	2.45E-07
516	489763.71, 3861200.05	1.82E-03	5.73E-07	2.43E-07	1.85E-03	5.85E-07	2.48E-07	1.85E-03	5.84E-07	2.48E-07
517	489813.71, 3861200.05	1.84E-03	5.81E-07	2.46E-07	1.88E-03	5.93E-07	2.51E-07	1.88E-03	5.92E-07	2.51E-07
518	489863.71, 3861200.05	1.87E-03	5.89E-07	2.50E-07	1.90E-03	6.01E-07	2.55E-07	1.90E-03	6.00E-07	2.55E-07
519	489913.71, 3861200.05	1.88E-03	5.95E-07	2.52E-07	1.92E-03	6.07E-07	2.58E-07	1.92E-03	6.06E-07	2.57E-07
520	489963.71, 3861200.05	1.90E-03	6.00E-07	2.55E-07	1.94E-03	6.13E-07	2.60E-07	1.94E-03	6.12E-07	2.60E-07
521	490013.71, 3861200.05	1.92E-03	6.07E-07	2.58E-07	1.96E-03	6.20E-07	2.63E-07	1.96E-03	6.19E-07	2.63E-07
522	490063.71, 3861200.05	1.94E-03	6.14E-07	2.60E-07	1.98E-03	6.26E-07	2.66E-07	1.98E-03	6.26E-07	2.65E-07
523	489513.71, 3861250.05	1.65E-03	5.20E-07	2.21E-07	1.68E-03	5.30E-07	2.25E-07	1.68E-03	5.30E-07	2.25E-07
524	489563.71, 3861250.05	1.67E-03	5.27E-07	2.24E-07	1.70E-03	5.38E-07	2.28E-07	1.70E-03	5.37E-07	2.28E-07
525	489613.71, 3861250.05	1.69E-03	5.34E-07	2.27E-07	1.73E-03	5.45E-07	2.31E-07	1.72E-03	5.44E-07	2.31E-07
526	489663.71, 3861250.05	1.71E-03	5.40E-07	2.29E-07	1.75E-03	5.51E-07	2.34E-07	1.74E-03	5.51E-07	2.34E-07
527	489713.71, 3861250.05	1.73E-03	5.47E-07	2.32E-07	1.77E-03	5.58E-07	2.37E-07	1.77E-03	5.57E-07	2.36E-07
528	489763.71, 3861250.05	1.75E-03	5.53E-07	2.35E-07	1.79E-03	5.65E-07	2.40E-07	1.79E-03	5.64E-07	2.39E-07
529	489813.71, 3861250.05	1.77E-03	5.60E-07	2.38E-07	1.81E-03	5.71E-07	2.42E-07	1.81E-03	5.71E-07	2.42E-07
530	489863.71, 3861250.05	1.79E-03	5.66E-07	2.40E-07	1.83E-03	5.78E-07	2.45E-07	1.83E-03	5.77E-07	2.45E-07
531	489913.71, 3861250.05	1.82E-03	5.73E-07	2.43E-07	1.85E-03	5.85E-07	2.48E-07	1.85E-03	5.84E-07	2.48E-07
532	489963.71, 3861250.05	1.83E-03	5.79E-07	2.46E-07	1.87E-03	5.91E-07	2.51E-07	1.87E-03	5.90E-07	2.50E-07
533	490013.71, 3861250.05	1.85E-03	5.85E-07	2.48E-07	1.89E-03	5.96E-07	2.53E-07	1.89E-03	5.96E-07	2.53E-07
534	490063.71, 3861250.05	1.87E-03	5.89E-07	2.50E-07	1.90E-03	6.01E-07	2.55E-07	1.90E-03	6.00E-07	2.55E-07
535	489528.13, 3861308.47	1.59E-03	5.02E-07	2.13E-07	1.62E-03	5.12E-07	2.17E-07	1.62E-03	5.12E-07	2.17E-07
536	489578.13, 3861308.47	1.61E-03	5.08E-07	2.16E-07	1.64E-03	5.19E-07	2.20E-07	1.64E-03	5.18E-07	2.20E-07
537	489628.13, 3861308.47	1.63E-03	5.14E-07	2.18E-07	1.66E-03	5.25E-07	2.23E-07	1.66E-03	5.24E-07	2.22E-07
538	489678.13, 3861308.47	1.65E-03	5.21E-07	2.21E-07	1.68E-03	5.31E-07	2.25E-07	1.68E-03	5.31E-07	2.25E-07
539	489728.13, 3861308.47	1.67E-03	5.27E-07	2.23E-07	1.70E-03	5.37E-07	2.28E-07	1.70E-03	5.37E-07	2.28E-07
540	489778.13, 3861308.47	1.69E-03	5.32E-07	2.26E-07	1.72E-03	5.43E-07	2.30E-07	1.72E-03	5.42E-07	2.30E-07
541	489678.13, 3861358.47	1.59E-03	5.03E-07	2.13E-07	1.63E-03	5.13E-07	2.18E-07	1.62E-03	5.13E-07	2.17E-07
542	489728.13, 3861358.47	1.61E-03	5.08E-07	2.16E-07	1.64E-03	5.19E-07	2.20E-07	1.64E-03	5.18E-07	2.20E-07
543	489528.13, 3861408.47	1.49E-03	4.70E-07	2.00E-07	1.52E-03	4.80E-07	2.04E-07	1.52E-03	4.79E-07	2.03E-07
544	489578.13, 3861408.47	1.51E-03	4.75E-07	2.02E-07	1.54E-03	4.85E-07	2.06E-07	1.54E-03	4.85E-07	2.06E-07
545	489628.13, 3861408.47	1.53E-03	4.82E-07	2.04E-07	1.56E-03	4.92E-07	2.09E-07	1.56E-03	4.91E-07	2.08E-07
546	489678.13, 3861408.47	1.54E-03	4.86E-07	2.06E-07	1.57E-03	4.96E-07	2.11E-07	1.57E-03	4.96E-07	2.10E-07
547	489728.13, 3861408.47	1.55E-03	4.91E-07	2.08E-07	1.59E-03	5.01E-07	2.12E-07	1.58E-03	5.00E-07	2.12E-07
548	489528.13, 3861458.47	1.44E-03	4.56E-07	1.93E-07	1.47E-03	4.65E-07	1.97E-07	1.47E-03	4.65E-07	1.97E-07
549	489578.13, 3861458.47	1.46E-03	4.61E-07	1.96E-07	1.49E-03	4.70E-07	2.00E-07	1.49E-03	4.70E-07	1.99E-07
550	489628.13, 3861458.47	1.48E-03	4.66E-07	1.98E-07	1.51E-03	4.75E-07	2.02E-07	1.50E-03	4.75E-07	2.01E-07
551	489678.13, 3861458.47	1.49E-03	4.70E-07	1.99E-07	1.52E-03	4.79E-07	2.03E-07	1.52E-03	4.79E-07	2.03E-07
552	489728.13, 3861458.47	1.50E-03	4.73E-07	2.01E-07	1.53E-03	4.83E-07	2.05E-07	1.53E-03	4.82E-07	2.05E-07
553	489528.13, 3861508.47	1.40E-03	4.42E-07	1.88E-07	1.43E-03	4.51E-07	1.91E-07	1.43E-03	4.50E-07	1.91E-07
554	489578.13, 3861508.47	1.41E-03	4.46E-07	1.89E-07	1.44E-03	4.55E-07	1.93E-07	1.44E-03	4.55E-07	1.93E-07
555	489628.13, 3861508.47	1.43E-03	4.50E-07	1.91E-07	1.45E-03	4.59E-07	1.95E-07	1.45E-03	4.59E-07	1.95E-07
556	489678.13, 3861508.47	1.44E-03	4.54E-07	1.92E-07	1.47E-03	4.63E-07	1.96E-07	1.46E-03	4.62E-07	1.96E-07

557	489728.13, 3861508.47	1.45E-03	4.57E-07	1.94E-07	1.48E-03	4.66E-07	1.98E-07	1.48E-03	4.66E-07	1.98E-07
558	489628.13, 3861558.47	1.38E-03	4.36E-07	1.85E-07	1.41E-03	4.45E-07	1.89E-07	1.41E-03	4.45E-07	1.89E-07
559	489678.13, 3861558.47	1.40E-03	4.40E-07	1.87E-07	1.42E-03	4.49E-07	1.91E-07	1.42E-03	4.49E-07	1.90E-07
560	489728.13, 3861558.47	1.41E-03	4.44E-07	1.88E-07	1.43E-03	4.53E-07	1.92E-07	1.43E-03	4.52E-07	1.92E-07
561	489357.08, 3861015.81	1.86E-03	5.86E-07	2.48E-07	1.89E-03	5.97E-07	2.54E-07	1.89E-03	5.97E-07	2.53E-07
562	489407.08, 3861015.81	1.88E-03	5.93E-07	2.51E-07	1.92E-03	6.05E-07	2.57E-07	1.91E-03	6.04E-07	2.56E-07
563	489457.08, 3861015.81	1.90E-03	6.01E-07	2.55E-07	1.94E-03	6.13E-07	2.60E-07	1.94E-03	6.12E-07	2.60E-07
564	489357.08, 3861065.81	1.80E-03	5.68E-07	2.41E-07	1.84E-03	5.79E-07	2.46E-07	1.83E-03	5.79E-07	2.46E-07
565	489407.08, 3861065.81	1.82E-03	5.74E-07	2.44E-07	1.86E-03	5.86E-07	2.49E-07	1.85E-03	5.85E-07	2.48E-07
566	489457.08, 3861065.81	1.84E-03	5.82E-07	2.47E-07	1.88E-03	5.94E-07	2.52E-07	1.88E-03	5.93E-07	2.52E-07
567	489357.08, 3861115.81	1.74E-03	5.50E-07	2.33E-07	1.78E-03	5.61E-07	2.38E-07	1.78E-03	5.61E-07	2.38E-07
568	489407.08, 3861115.81	1.77E-03	5.58E-07	2.37E-07	1.80E-03	5.69E-07	2.41E-07	1.80E-03	5.68E-07	2.41E-07
569	489457.08, 3861115.81	1.79E-03	5.65E-07	2.40E-07	1.83E-03	5.77E-07	2.45E-07	1.83E-03	5.76E-07	2.44E-07
570	489407.08, 3861165.81	1.72E-03	5.42E-07	2.30E-07	1.75E-03	5.53E-07	2.35E-07	1.75E-03	5.52E-07	2.34E-07
571	489457.08, 3861165.81	1.73E-03	5.48E-07	2.32E-07	1.77E-03	5.59E-07	2.37E-07	1.77E-03	5.58E-07	2.37E-07
572	489407.08, 3861215.81	1.65E-03	5.21E-07	2.21E-07	1.68E-03	5.32E-07	2.26E-07	1.68E-03	5.31E-07	2.25E-07
573	489457.08, 3861215.81	1.67E-03	5.27E-07	2.24E-07	1.70E-03	5.38E-07	2.28E-07	1.70E-03	5.37E-07	2.28E-07
574	489407.08, 3861265.81	1.59E-03	5.01E-07	2.13E-07	1.62E-03	5.11E-07	2.17E-07	1.62E-03	5.11E-07	2.17E-07
575	489457.08, 3861265.81	1.61E-03	5.08E-07	2.15E-07	1.64E-03	5.18E-07	2.20E-07	1.64E-03	5.18E-07	2.20E-07
576	489309.86, 3861110.14	1.73E-03	5.45E-07	2.31E-07	1.76E-03	5.56E-07	2.36E-07	1.76E-03	5.55E-07	2.35E-07
577	489407.08, 3861315.81	1.54E-03	4.86E-07	2.06E-07	1.57E-03	4.96E-07	2.10E-07	1.57E-03	4.95E-07	2.10E-07
578	489457.08, 3861315.81	1.56E-03	4.92E-07	2.09E-07	1.59E-03	5.02E-07	2.13E-07	1.59E-03	5.01E-07	2.13E-07
579	488906.03, 3861006.75	1.66E-03	5.25E-07	2.23E-07	1.70E-03	5.36E-07	2.27E-07	1.70E-03	5.35E-07	2.27E-07
580	488956.03, 3861006.75	1.69E-03	5.35E-07	2.27E-07	1.73E-03	5.46E-07	2.32E-07	1.73E-03	5.45E-07	2.31E-07
581	488904.24, 3861051.87	1.65E-03	5.20E-07	2.20E-07	1.68E-03	5.30E-07	2.25E-07	1.68E-03	5.30E-07	2.25E-07
582	488954.24, 3861051.87	1.66E-03	5.24E-07	2.22E-07	1.69E-03	5.34E-07	2.27E-07	1.69E-03	5.34E-07	2.27E-07
583	489004.24, 3861051.87	1.69E-03	5.34E-07	2.26E-07	1.73E-03	5.45E-07	2.31E-07	1.72E-03	5.44E-07	2.31E-07
584	488804.24, 3861101.87	1.54E-03	4.87E-07	2.07E-07	1.58E-03	4.97E-07	2.11E-07	1.57E-03	4.97E-07	2.11E-07
585	488854.24, 3861101.87	1.57E-03	4.96E-07	2.10E-07	1.60E-03	5.06E-07	2.15E-07	1.60E-03	5.05E-07	2.14E-07
586	488904.24, 3861101.87	1.57E-03	4.96E-07	2.11E-07	1.60E-03	5.06E-07	2.15E-07	1.60E-03	5.06E-07	2.15E-07
587	488954.24, 3861101.87	1.59E-03	5.01E-07	2.12E-07	1.62E-03	5.11E-07	2.17E-07	1.62E-03	5.10E-07	2.16E-07
588	489004.24, 3861101.87	1.61E-03	5.07E-07	2.15E-07	1.64E-03	5.18E-07	2.20E-07	1.64E-03	5.17E-07	2.19E-07
589	488804.24, 3861151.87	1.48E-03	4.66E-07	1.98E-07	1.51E-03	4.75E-07	2.02E-07	1.50E-03	4.75E-07	2.01E-07
590	488854.24, 3861151.87	1.49E-03	4.71E-07	2.00E-07	1.52E-03	4.80E-07	2.04E-07	1.52E-03	4.80E-07	2.04E-07
591	489129.49, 3861187.55	1.56E-03	4.93E-07	2.09E-07	1.60E-03	5.04E-07	2.14E-07	1.59E-03	5.03E-07	2.13E-07
592	489179.49, 3861187.55	1.58E-03	4.99E-07	2.12E-07	1.61E-03	5.09E-07	2.16E-07	1.61E-03	5.09E-07	2.16E-07
593	488804.24, 3861201.87	1.44E-03	4.54E-07	1.93E-07	1.47E-03	4.63E-07	1.96E-07	1.47E-03	4.63E-07	1.96E-07
594	488854.24, 3861201.87	1.45E-03	4.57E-07	1.94E-07	1.48E-03	4.66E-07	1.98E-07	1.48E-03	4.66E-07	1.98E-07
595	489129.49, 3861237.55	1.53E-03	4.81E-07	2.04E-07	1.56E-03	4.91E-07	2.08E-07	1.55E-03	4.91E-07	2.08E-07
596	489179.49, 3861237.55	1.54E-03	4.85E-07	2.06E-07	1.57E-03	4.95E-07	2.10E-07	1.57E-03	4.94E-07	2.10E-07
597	488804.24, 3861251.87	1.40E-03	4.43E-07	1.88E-07	1.43E-03	4.52E-07	1.92E-07	1.43E-03	4.52E-07	1.92E-07
598	488854.24, 3861251.87	1.41E-03	4.45E-07	1.89E-07	1.44E-03	4.55E-07	1.93E-07	1.44E-03	4.54E-07	1.93E-07
599	488804.24, 3861301.87	1.37E-03	4.31E-07	1.83E-07	1.39E-03	4.40E-07	1.87E-07	1.39E-03	4.39E-07	1.86E-07
600	488854.24, 3861301.87	1.38E-03	4.34E-07	1.84E-07	1.40E-03	4.43E-07	1.88E-07	1.40E-03	4.43E-07	1.88E-07
601	490943.5, 3860181.97	1.44E-02	4.54E-06	1.93E-06	1.47E-02	4.64E-06	1.97E-06	1.47E-02	4.63E-06	1.97E-06
602	490993.5, 3860181.97	1.58E-02	4.98E-06	2.11E-06	1.61E-02	5.08E-06	2.16E-06	1.61E-02	5.08E-06	2.15E-06
603	491043.5, 3860181.97	1.76E-02	5.54E-06	2.35E-06	1.79E-02	5.65E-06	2.40E-06	1.79E-02	5.65E-06	2.40E-06
604	491093.5, 3860181.97	1.97E-02	6.23E-06	2.64E-06	2.01E-02	6.36E-06	2.70E-06	2.01E-02	6.35E-06	2.69E-06
605	490943.5, 3860231.97	1.25E-02	3.94E-06	1.67E-06	1.27E-02	4.02E-06	1.70E-06	1.27E-02	4.01E-06	1.70E-06
606	490993.5, 3860231.97	1.37E-02	4.32E-06	1.83E-06	1.40E-02	4.41E-06	1.87E-06	1.40E-02	4.41E-06	1.87E-06
607	491043.5, 3860231.97	1.49E-02	4.70E-06	1.99E-06	1.52E-02	4.80E-06	2.03E-06	1.52E-02	4.79E-06	2.03E-06
608	491093.5, 3860231.97	1.64E-02	5.17E-06	2.19E-06	1.67E-02	5.27E-06	2.24E-06	1.67E-02	5.27E-06	2.23E-06
609	490943.5, 3860281.97	1.10E-02	3.46E-06	1.47E-06	1.12E-02	3.54E-06	1.50E-06	1.12E-02	3.53E-06	1.50E-06
610	490993.5, 3860281.97	1.19E-02	3.76E-06	1.59E-06	1.21E-02	3.83E-06	1.63E-06	1.21E-02	3.83E-06	1.63E-06
611	491043.5, 3860281.97	1.29E-02	4.06E-06	1.72E-06	1.31E-02	4.14E-06	1.76E-06	1.31E-02	4.14E-06	1.76E-06
612	491093.5, 3860281.97	1.40E-02	4.41E-06	1.87E-06	1.43E-02	4.50E-06	1.91E-06	1.42E-02	4.50E-06	1.91E-06
613	490943.5, 3860331.97	9.74E-03	3.07E-06	1.30E-06	9.94E-03	3.14E-06	1.33E-06	9.92E-03	3.13E-06	1.33E-06
614	490993.5, 3860331.97	1.04E-02	3.27E-06	1.39E-06	1.06E-02	3.34E-06	1.42E-06	1.06E-02	3.33E-06	1.41E-06
615	491043.5, 3860331.97	1.11E-02	3.50E-06	1.49E-06	1.13E-02	3.57E-06	1.52E-06	1.13E-02	3.57E-06	1.51E-06
616	491093.5, 3860331.97	1.20E-02	3.78E-06	1.60E-06	1.22E-02	3.86E-06	1.64E-06	1.22E-02	3.85E-06	1.63E-06
617	490086.72, 3859935.12	1.04E-02	3.27E-06	1.39E-06	1.06E-02	3.34E-06	1.42E-06	1.06E-02	3.33E-06	1.41E-06
618	490136.72, 3859935.12	1.09E-02	3.46E-06	1.47E-06	1.12E-02	3.53E-06	1.50E-06	1.12E-02	3.52E-06	1.49E-06
619	490186.72, 3859935.12	1.16E-02	3.66E-06	1.55E-06	1.18E-02	3.74E-06	1.58E-06	1.18E-02	3.73E-06	1.58E-06
620	490236.72, 3859935.12	1.23E-02	3.89E-06	1.65E-06	1.26E-02	3.97E-06	1.68E-06	1.25E-02	3.96E-06	1.68E-06
621	490286.72, 3859935.12	1.31E-02	4.12E-06	1.75E-06	1.33E-02	4.21E-06	1.78E-06	1.33E-02	4.20E-06	1.78E-06
622	490336.72, 3859935.12	1.39E-02	4.38E-06	1.86E-06	1.42E-02	4.47E-06	1.90E-06	1.41E-02	4.46E-06	1.89E-06
623	490386.72, 3859935.12	1.48E-02	4.69E-06	1.99E-06	1.52E-02	4.78E-06	2.03E-06	1.51E-02	4.78E-06	2.03E-06
624	490436.72, 3859935.12	1.59E-02	5.03E-06	2.13E-06	1.63E-02	5.13E-06	2.18E-06	1.62E-02	5.12E-06	2.17E-06
625	490486.72, 3859935.12	1.72E-02	5.44E-06	2.31E-06	1.76E-02	5.55E-06	2.35E-06	1.76E-02	5.54E-06	2.35E-06
626	490536.72, 3859935.12	1.91E-02	6.04E-06	2.56E-06	1.95E-02	6.16E-06	2.61E-06	1.95E-02	6.15E-06	2.61E-06

627	490586.72, 3859935.12	2.16E-02	6.80E-06	2.89E-06	2.20E-02	6.94E-06	2.94E-06	2.20E-02	6.93E-06	2.94E-06
628	490636.72, 3859935.12	2.42E-02	7.63E-06	3.24E-06	2.47E-02	7.78E-06	3.30E-06	2.46E-02	7.77E-06	3.30E-06
629	490686.72, 3859935.12	2.83E-02	8.94E-06	3.79E-06	2.89E-02	9.12E-06	3.87E-06	2.89E-02	9.11E-06	3.87E-06
630	490736.72, 3859935.12	3.33E-02	1.05E-05	4.45E-06	3.39E-02	1.07E-05	4.54E-06	3.39E-02	1.07E-05	4.54E-06
631	490086.72, 3859985.12	9.19E-03	2.90E-06	1.23E-06	9.38E-03	2.96E-06	1.26E-06	9.37E-03	2.96E-06	1.25E-06
632	490136.72, 3859985.12	9.64E-03	3.04E-06	1.29E-06	9.84E-03	3.11E-06	1.32E-06	9.83E-03	3.10E-06	1.32E-06
633	490186.72, 3859985.12	1.02E-02	3.21E-06	1.36E-06	1.04E-02	3.27E-06	1.39E-06	1.04E-02	3.27E-06	1.39E-06
634	490236.72, 3859985.12	1.08E-02	3.40E-06	1.44E-06	1.10E-02	3.47E-06	1.47E-06	1.10E-02	3.46E-06	1.47E-06
635	490286.72, 3859985.12	1.13E-02	3.58E-06	1.52E-06	1.16E-02	3.65E-06	1.55E-06	1.16E-02	3.65E-06	1.55E-06
636	490336.72, 3859985.12	1.20E-02	3.78E-06	1.60E-06	1.22E-02	3.85E-06	1.63E-06	1.22E-02	3.85E-06	1.63E-06
637	490386.72, 3859985.12	1.26E-02	3.97E-06	1.68E-06	1.28E-02	4.05E-06	1.72E-06	1.28E-02	4.04E-06	1.72E-06
638	490436.72, 3859985.12	1.33E-02	4.20E-06	1.78E-06	1.36E-02	4.29E-06	1.82E-06	1.36E-02	4.28E-06	1.82E-06
639	490486.72, 3859985.12	1.42E-02	4.48E-06	1.90E-06	1.45E-02	4.57E-06	1.94E-06	1.45E-02	4.57E-06	1.94E-06
640	490536.72, 3859985.12	1.53E-02	4.84E-06	2.06E-06	1.57E-02	4.94E-06	2.10E-06	1.56E-02	4.94E-06	2.09E-06
641	490586.72, 3859985.12	1.68E-02	5.30E-06	2.25E-06	1.71E-02	5.41E-06	2.29E-06	1.71E-02	5.40E-06	2.29E-06
642	490636.72, 3859985.12	1.86E-02	5.86E-06	2.49E-06	1.90E-02	5.98E-06	2.54E-06	1.89E-02	5.97E-06	2.53E-06
643	490686.72, 3859985.12	2.11E-02	6.64E-06	2.82E-06	2.15E-02	6.78E-06	2.88E-06	2.15E-02	6.77E-06	2.87E-06
644	490736.72, 3859985.12	2.34E-02	7.39E-06	3.14E-06	2.39E-02	7.54E-06	3.20E-06	2.39E-02	7.53E-06	3.20E-06
645	490786.72, 3859985.12	2.64E-02	8.32E-06	3.53E-06	2.69E-02	8.49E-06	3.60E-06	2.69E-02	8.48E-06	3.60E-06
646	490086.72, 3860035.12	8.25E-03	2.60E-06	1.10E-06	8.42E-03	2.66E-06	1.13E-06	8.41E-03	2.65E-06	1.13E-06
647	490136.72, 3860035.12	8.62E-03	2.72E-06	1.15E-06	8.80E-03	2.78E-06	1.18E-06	8.79E-03	2.77E-06	1.18E-06
648	490186.72, 3860035.12	9.03E-03	2.85E-06	1.21E-06	9.21E-03	2.91E-06	1.23E-06	9.20E-03	2.90E-06	1.23E-06
649	490236.72, 3860035.12	9.47E-03	2.99E-06	1.27E-06	9.66E-03	3.05E-06	1.29E-06	9.65E-03	3.05E-06	1.29E-06
650	490286.72, 3860035.12	9.92E-03	3.13E-06	1.33E-06	1.01E-02	3.20E-06	1.36E-06	1.01E-02	3.19E-06	1.35E-06
651	490336.72, 3860035.12	1.05E-02	3.30E-06	1.40E-06	1.07E-02	3.37E-06	1.43E-06	1.07E-02	3.37E-06	1.43E-06
652	490386.72, 3860035.12	1.09E-02	3.45E-06	1.46E-06	1.12E-02	3.52E-06	1.49E-06	1.11E-02	3.52E-06	1.49E-06
653	490436.72, 3860035.12	1.15E-02	3.62E-06	1.54E-06	1.17E-02	3.70E-06	1.57E-06	1.17E-02	3.69E-06	1.57E-06
654	490486.72, 3860035.12	1.21E-02	3.83E-06	1.62E-06	1.24E-02	3.91E-06	1.66E-06	1.24E-02	3.90E-06	1.66E-06
655	490536.72, 3860035.12	1.29E-02	4.08E-06	1.73E-06	1.32E-02	4.16E-06	1.77E-06	1.32E-02	4.16E-06	1.76E-06
656	490586.72, 3860035.12	1.38E-02	4.37E-06	1.85E-06	1.41E-02	4.46E-06	1.89E-06	1.41E-02	4.45E-06	1.89E-06
657	490636.72, 3860035.12	1.48E-02	4.67E-06	1.98E-06	1.51E-02	4.76E-06	2.02E-06	1.51E-02	4.76E-06	2.02E-06
658	490686.72, 3860035.12	1.62E-02	5.10E-06	2.16E-06	1.65E-02	5.20E-06	2.21E-06	1.65E-02	5.20E-06	2.20E-06
659	490736.72, 3860035.12	1.81E-02	5.71E-06	2.42E-06	1.85E-02	5.83E-06	2.47E-06	1.84E-02	5.82E-06	2.47E-06
660	490786.72, 3860035.12	1.99E-02	6.27E-06	2.66E-06	2.03E-02	6.40E-06	2.71E-06	2.02E-02	6.39E-06	2.71E-06
661	490836.72, 3860035.12	2.20E-02	6.93E-06	2.94E-06	2.24E-02	7.08E-06	3.00E-06	2.24E-02	7.07E-06	3.00E-06
662	490086.72, 3860085.12	7.54E-03	2.38E-06	1.01E-06	7.69E-03	2.43E-06	1.03E-06	7.69E-03	2.43E-06	1.03E-06
663	490136.72, 3860085.12	7.78E-03	2.45E-06	1.04E-06	7.94E-03	2.51E-06	1.06E-06	7.93E-03	2.50E-06	1.06E-06
664	490186.72, 3860085.12	8.15E-03	2.57E-06	1.09E-06	8.31E-03	2.62E-06	1.11E-06	8.30E-03	2.62E-06	1.11E-06
665	490236.72, 3860085.12	8.50E-03	2.68E-06	1.14E-06	8.67E-03	2.74E-06	1.16E-06	8.66E-03	2.73E-06	1.16E-06
666	490286.72, 3860085.12	8.87E-03	2.80E-06	1.19E-06	9.05E-03	2.86E-06	1.21E-06	9.04E-03	2.85E-06	1.21E-06
667	490336.72, 3860085.12	9.25E-03	2.92E-06	1.24E-06	9.44E-03	2.98E-06	1.26E-06	9.42E-03	2.97E-06	1.26E-06
668	490386.72, 3860085.12	9.66E-03	3.05E-06	1.29E-06	9.85E-03	3.11E-06	1.32E-06	9.84E-03	3.11E-06	1.32E-06
669	490436.72, 3860085.12	1.01E-02	3.19E-06	1.35E-06	1.03E-02	3.25E-06	1.38E-06	1.03E-02	3.25E-06	1.38E-06
670	490486.72, 3860085.12	1.06E-02	3.33E-06	1.41E-06	1.08E-02	3.40E-06	1.44E-06	1.08E-02	3.40E-06	1.44E-06
671	490536.72, 3860085.12	1.12E-02	3.52E-06	1.49E-06	1.14E-02	3.59E-06	1.53E-06	1.14E-02	3.59E-06	1.52E-06
672	490586.72, 3860085.12	1.18E-02	3.74E-06	1.58E-06	1.21E-02	3.81E-06	1.62E-06	1.21E-02	3.81E-06	1.62E-06
673	490636.72, 3860085.12	1.25E-02	3.96E-06	1.68E-06	1.28E-02	4.04E-06	1.71E-06	1.28E-02	4.04E-06	1.71E-06
674	490686.72, 3860085.12	1.35E-02	4.25E-06	1.80E-06	1.37E-02	4.34E-06	1.84E-06	1.37E-02	4.33E-06	1.84E-06
675	490736.72, 3860085.12	1.46E-02	4.61E-06	1.96E-06	1.49E-02	4.71E-06	2.00E-06	1.49E-02	4.70E-06	1.99E-06
676	490786.72, 3860085.12	1.60E-02	5.04E-06	2.14E-06	1.63E-02	5.14E-06	2.18E-06	1.63E-02	5.14E-06	2.18E-06
677	490836.72, 3860085.12	1.74E-02	5.48E-06	2.33E-06	1.77E-02	5.60E-06	2.37E-06	1.77E-02	5.59E-06	2.37E-06
678	490086.72, 3860135.12	6.77E-03	2.14E-06	9.07E-07	6.91E-03	2.18E-06	9.25E-07	6.90E-03	2.18E-06	9.24E-07
679	490136.72, 3860135.12	7.06E-03	2.23E-06	9.45E-07	7.20E-03	2.27E-06	9.65E-07	7.19E-03	2.27E-06	9.63E-07
680	490186.72, 3860135.12	7.37E-03	2.32E-06	9.86E-07	7.52E-03	2.37E-06	1.01E-06	7.51E-03	2.37E-06	1.01E-06
681	490236.72, 3860135.12	7.66E-03	2.42E-06	1.03E-06	7.81E-03	2.47E-06	1.05E-06	7.80E-03	2.46E-06	1.04E-06
682	490286.72, 3860135.12	7.98E-03	2.52E-06	1.07E-06	8.14E-03	2.57E-06	1.09E-06	8.13E-03	2.57E-06	1.09E-06
683	490336.72, 3860135.12	8.31E-03	2.62E-06	1.11E-06	8.48E-03	2.68E-06	1.14E-06	8.47E-03	2.67E-06	1.13E-06
684	490386.72, 3860135.12	8.64E-03	2.73E-06	1.16E-06	8.82E-03	2.78E-06	1.18E-06	8.81E-03	2.78E-06	1.18E-06
685	490436.72, 3860135.12	8.99E-03	2.84E-06	1.20E-06	9.17E-03	2.89E-06	1.23E-06	9.16E-03	2.89E-06	1.23E-06
686	490486.72, 3860135.12	9.38E-03	2.96E-06	1.26E-06	9.57E-03	3.02E-06	1.28E-06	9.56E-03	3.02E-06	1.28E-06
687	490536.72, 3860135.12	9.86E-03	3.11E-06	1.32E-06	1.01E-02	3.17E-06	1.35E-06	1.00E-02	3.17E-06	1.35E-06
688	490586.72, 3860135.12	1.04E-02	3.27E-06	1.39E-06	1.06E-02	3.34E-06	1.42E-06	1.06E-02	3.33E-06	1.41E-06
689	490636.72, 3860135.12	1.09E-02	3.45E-06	1.46E-06	1.11E-02	3.52E-06	1.49E-06	1.11E-02	3.51E-06	1.49E-06
690	490686.72, 3860135.12	1.16E-02	3.65E-06	1.55E-06	1.18E-02	3.72E-06	1.58E-06	1.18E-02	3.72E-06	1.58E-06
691	490736.72, 3860135.12	1.23E-02	3.89E-06	1.65E-06	1.26E-02	3.97E-06	1.68E-06	1.26E-02	3.97E-06	1.68E-06
692	490786.72, 3860135.12	1.33E-02	4.21E-06	1.79E-06	1.36E-02	4.30E-06	1.82E-06	1.36E-02	4.29E-06	1.82E-06
693	490836.72, 3860135.12	1.44E-02	4.53E-06	1.92E-06	1.47E-02	4.62E-06	1.96E-06	1.46E-02	4.62E-06	1.96E-06
694	490086.72, 3860185.12	6.19E-03	1.95E-06	8.29E-07	6.32E-03	1.99E-06	8.46E-07	6.31E-03	1.99E-06	8.45E-07
695	490136.72, 3860185.12	6.46E-03	2.04E-06	8.64E-07	6.59E-03	2.08E-06	8.82E-07	6.58E-03	2.08E-06	8.81E-07
696	490186.72, 3860185.12	6.72E-03	2.12E-06	9.00E-07	6.85E-03	2.16E-06	9.18E-07	6.85E-03	2.16E-06	9.17E-07

697	490236.72, 3860185.12	6.97E-03	2.20E-06	9.33E-07	7.11E-03	2.24E-06	9.52E-07	7.10E-03	2.24E-06	9.51E-07
698	490286.72, 3860185.12	7.23E-03	2.28E-06	9.68E-07	7.38E-03	2.33E-06	9.88E-07	7.37E-03	2.33E-06	9.87E-07
699	490336.72, 3860185.12	7.50E-03	2.37E-06	1.00E-06	7.66E-03	2.42E-06	1.03E-06	7.65E-03	2.41E-06	1.02E-06
700	490386.72, 3860185.12	7.79E-03	2.46E-06	1.04E-06	7.95E-03	2.51E-06	1.07E-06	7.94E-03	2.51E-06	1.06E-06
701	490436.72, 3860185.12	8.10E-03	2.56E-06	1.08E-06	8.27E-03	2.61E-06	1.11E-06	8.26E-03	2.61E-06	1.11E-06
702	490486.72, 3860185.12	8.42E-03	2.66E-06	1.13E-06	8.59E-03	2.71E-06	1.15E-06	8.58E-03	2.71E-06	1.15E-06
703	490536.72, 3860185.12	8.80E-03	2.78E-06	1.18E-06	8.98E-03	2.83E-06	1.20E-06	8.96E-03	2.83E-06	1.20E-06
704	490586.72, 3860185.12	9.24E-03	2.92E-06	1.24E-06	9.43E-03	2.98E-06	1.26E-06	9.42E-03	2.97E-06	1.26E-06
705	490636.72, 3860185.12	9.67E-03	3.05E-06	1.29E-06	9.87E-03	3.11E-06	1.32E-06	9.85E-03	3.11E-06	1.32E-06
706	490686.72, 3860185.12	1.02E-02	3.22E-06	1.37E-06	1.04E-02	3.29E-06	1.39E-06	1.04E-02	3.28E-06	1.39E-06
707	490736.72, 3860185.12	1.07E-02	3.39E-06	1.44E-06	1.10E-02	3.46E-06	1.47E-06	1.09E-02	3.46E-06	1.47E-06
708	490786.72, 3860185.12	1.15E-02	3.61E-06	1.53E-06	1.17E-02	3.69E-06	1.56E-06	1.17E-02	3.68E-06	1.56E-06
709	490836.72, 3860185.12	1.23E-02	3.87E-06	1.64E-06	1.25E-02	3.95E-06	1.68E-06	1.25E-02	3.95E-06	1.67E-06
710	490086.72, 3860235.12	5.71E-03	1.80E-06	7.65E-07	5.83E-03	1.84E-06	7.80E-07	5.82E-03	1.84E-06	7.80E-07
711	490136.72, 3860235.12	5.93E-03	1.87E-06	7.94E-07	6.05E-03	1.91E-06	8.10E-07	6.04E-03	1.91E-06	8.09E-07
712	490186.72, 3860235.12	6.15E-03	1.94E-06	8.24E-07	6.28E-03	1.98E-06	8.41E-07	6.27E-03	1.98E-06	8.40E-07
713	490236.72, 3860235.12	6.38E-03	2.01E-06	8.54E-07	6.51E-03	2.05E-06	8.71E-07	6.50E-03	2.05E-06	8.70E-07
714	490286.72, 3860235.12	6.60E-03	2.08E-06	8.84E-07	6.74E-03	2.13E-06	9.02E-07	6.73E-03	2.12E-06	9.01E-07
715	490336.72, 3860235.12	6.85E-03	2.16E-06	9.17E-07	6.98E-03	2.20E-06	9.35E-07	6.98E-03	2.20E-06	9.34E-07
716	490386.72, 3860235.12	7.10E-03	2.24E-06	9.50E-07	7.24E-03	2.29E-06	9.70E-07	7.23E-03	2.28E-06	9.68E-07
717	490436.72, 3860235.12	7.37E-03	2.32E-06	9.86E-07	7.52E-03	2.37E-06	1.01E-06	7.51E-03	2.37E-06	1.01E-06
718	490486.72, 3860235.12	7.64E-03	2.41E-06	1.02E-06	7.79E-03	2.46E-06	1.04E-06	7.79E-03	2.46E-06	1.04E-06
719	490536.72, 3860235.12	7.95E-03	2.51E-06	1.07E-06	8.12E-03	2.56E-06	1.09E-06	8.11E-03	2.56E-06	1.09E-06
720	490586.72, 3860235.12	8.31E-03	2.62E-06	1.11E-06	8.48E-03	2.68E-06	1.14E-06	8.47E-03	2.67E-06	1.13E-06
721	490636.72, 3860235.12	8.69E-03	2.74E-06	1.16E-06	8.87E-03	2.80E-06	1.19E-06	8.86E-03	2.80E-06	1.19E-06
722	490686.72, 3860235.12	9.12E-03	2.88E-06	1.22E-06	9.31E-03	2.94E-06	1.25E-06	9.30E-03	2.93E-06	1.24E-06
723	490736.72, 3860235.12	9.59E-03	3.03E-06	1.28E-06	9.78E-03	3.09E-06	1.31E-06	9.77E-03	3.08E-06	1.31E-06
724	490786.72, 3860235.12	1.01E-02	3.19E-06	1.35E-06	1.03E-02	3.26E-06	1.38E-06	1.03E-02	3.25E-06	1.38E-06
725	490086.72, 3860285.12	5.29E-03	1.67E-06	7.08E-07	5.39E-03	1.70E-06	7.22E-07	5.39E-03	1.70E-06	7.21E-07
726	490136.72, 3860285.12	5.48E-03	1.73E-06	7.33E-07	5.59E-03	1.76E-06	7.48E-07	5.58E-03	1.76E-06	7.48E-07
727	490186.72, 3860285.12	5.67E-03	1.79E-06	7.59E-07	5.78E-03	1.82E-06	7.74E-07	5.77E-03	1.82E-06	7.73E-07
728	490236.72, 3860285.12	5.87E-03	1.85E-06	7.86E-07	5.99E-03	1.89E-06	8.02E-07	5.98E-03	1.89E-06	8.01E-07
729	490286.72, 3860285.12	6.07E-03	1.91E-06	8.12E-07	6.19E-03	1.95E-06	8.29E-07	6.18E-03	1.95E-06	8.28E-07
730	490336.72, 3860285.12	6.27E-03	1.98E-06	8.40E-07	6.40E-03	2.02E-06	8.57E-07	6.39E-03	2.02E-06	8.56E-07
731	490386.72, 3860285.12	6.50E-03	2.05E-06	8.70E-07	6.63E-03	2.09E-06	8.88E-07	6.62E-03	2.09E-06	8.87E-07
732	490436.72, 3860285.12	6.73E-03	2.12E-06	9.01E-07	6.87E-03	2.17E-06	9.19E-07	6.86E-03	2.16E-06	9.18E-07
733	490486.72, 3860285.12	6.98E-03	2.20E-06	9.35E-07	7.12E-03	2.25E-06	9.54E-07	7.11E-03	2.24E-06	9.52E-07
734	490536.72, 3860285.12	7.23E-03	2.28E-06	9.69E-07	7.38E-03	2.33E-06	9.88E-07	7.37E-03	2.33E-06	9.87E-07
735	490586.72, 3860285.12	7.52E-03	2.37E-06	1.01E-06	7.67E-03	2.42E-06	1.03E-06	7.66E-03	2.42E-06	1.03E-06
736	490636.72, 3860285.12	7.85E-03	2.48E-06	1.05E-06	8.01E-03	2.53E-06	1.07E-06	8.00E-03	2.52E-06	1.07E-06
737	490686.72, 3860285.12	8.22E-03	2.59E-06	1.10E-06	8.39E-03	2.65E-06	1.12E-06	8.38E-03	2.64E-06	1.12E-06
738	490736.72, 3860285.12	8.62E-03	2.72E-06	1.15E-06	8.79E-03	2.78E-06	1.18E-06	8.78E-03	2.77E-06	1.18E-06
739	490786.72, 3860285.12	9.07E-03	2.86E-06	1.22E-06	9.26E-03	2.92E-06	1.24E-06	9.25E-03	2.92E-06	1.24E-06
740	490086.72, 3860335.12	4.91E-03	1.55E-06	6.58E-07	5.01E-03	1.58E-06	6.71E-07	5.01E-03	1.58E-06	6.70E-07
741	490136.72, 3860335.12	5.08E-03	1.60E-06	6.81E-07	5.19E-03	1.64E-06	6.95E-07	5.18E-03	1.64E-06	6.94E-07
742	490186.72, 3860335.12	5.25E-03	1.66E-06	7.03E-07	5.36E-03	1.69E-06	7.17E-07	5.35E-03	1.69E-06	7.16E-07
743	490236.72, 3860335.12	5.43E-03	1.71E-06	7.28E-07	5.54E-03	1.75E-06	7.42E-07	5.54E-03	1.75E-06	7.41E-07
744	490286.72, 3860335.12	5.60E-03	1.77E-06	7.51E-07	5.72E-03	1.80E-06	7.66E-07	5.71E-03	1.80E-06	7.65E-07
745	490336.72, 3860335.12	5.78E-03	1.82E-06	7.74E-07	5.90E-03	1.86E-06	7.90E-07	5.89E-03	1.86E-06	7.89E-07
746	490386.72, 3860335.12	5.98E-03	1.89E-06	8.00E-07	6.10E-03	1.92E-06	8.17E-07	6.09E-03	1.92E-06	8.16E-07
747	490436.72, 3860335.12	6.18E-03	1.95E-06	8.28E-07	6.31E-03	1.99E-06	8.45E-07	6.30E-03	1.99E-06	8.44E-07
748	490486.72, 3860335.12	6.40E-03	2.02E-06	8.57E-07	6.53E-03	2.06E-06	8.74E-07	6.52E-03	2.06E-06	8.73E-07
749	490536.72, 3860335.12	6.64E-03	2.10E-06	8.89E-07	6.78E-03	2.14E-06	9.07E-07	6.77E-03	2.14E-06	9.06E-07
750	490586.72, 3860335.12	6.88E-03	2.17E-06	9.21E-07	7.02E-03	2.22E-06	9.40E-07	7.01E-03	2.21E-06	9.39E-07
751	490636.72, 3860335.12	7.16E-03	2.26E-06	9.58E-07	7.30E-03	2.30E-06	9.78E-07	7.29E-03	2.30E-06	9.77E-07
752	490686.72, 3860335.12	7.46E-03	2.36E-06	9.99E-07	7.61E-03	2.40E-06	1.02E-06	7.61E-03	2.40E-06	1.02E-06
753	490736.72, 3860335.12	7.80E-03	2.46E-06	1.04E-06	7.96E-03	2.51E-06	1.07E-06	7.95E-03	2.51E-06	1.07E-06
754	490786.72, 3860335.12	8.22E-03	2.59E-06	1.10E-06	8.38E-03	2.65E-06	1.12E-06	8.37E-03	2.64E-06	1.12E-06
755	490086.72, 3860385.12	4.58E-03	1.45E-06	6.14E-07	4.68E-03	1.48E-06	6.26E-07	4.67E-03	1.47E-06	6.26E-07
756	490136.72, 3860385.12	4.74E-03	1.50E-06	6.35E-07	4.84E-03	1.53E-06	6.48E-07	4.83E-03	1.52E-06	6.47E-07
757	490186.72, 3860385.12	4.88E-03	1.54E-06	6.53E-07	4.98E-03	1.57E-06	6.67E-07	4.97E-03	1.57E-06	6.66E-07
758	490236.72, 3860385.12	5.04E-03	1.59E-06	6.75E-07	5.14E-03	1.62E-06	6.88E-07	5.13E-03	1.62E-06	6.88E-07
759	490286.72, 3860385.12	5.19E-03	1.64E-06	6.95E-07	5.30E-03	1.67E-06	7.10E-07	5.29E-03	1.67E-06	7.09E-07
760	490336.72, 3860385.12	5.36E-03	1.69E-06	7.17E-07	5.46E-03	1.72E-06	7.32E-07	5.46E-03	1.72E-06	7.31E-07
761	490386.72, 3860385.12	5.52E-03	1.74E-06	7.40E-07	5.64E-03	1.78E-06	7.55E-07	5.63E-03	1.78E-06	7.54E-07
762	490436.72, 3860385.12	5.71E-03	1.80E-06	7.64E-07	5.82E-03	1.84E-06	7.80E-07	5.81E-03	1.84E-06	7.79E-07
763	490486.72, 3860385.12	5.90E-03	1.86E-06	7.91E-07	6.03E-03	1.90E-06	8.07E-07	6.02E-03	1.90E-06	8.06E-07
764	490536.72, 3860385.12	6.11E-03	1.93E-06	8.18E-07	6.24E-03	1.97E-06	8.35E-07	6.23E-03	1.97E-06	8.34E-07
765	490586.72, 3860385.12	6.33E-03	2.00E-06	8.48E-07	6.46E-03	2.04E-06	8.65E-07	6.45E-03	2.04E-06	8.64E-07
766	490636.72, 3860385.12	6.56E-03	2.07E-06	8.79E-07	6.70E-03	2.11E-06	8.97E-07	6.69E-03	2.11E-06	8.96E-07

767	490686.72, 3860385.12	6.83E-03	2.16E-06	9.15E-07	6.97E-03	2.20E-06	9.33E-07	6.96E-03	2.20E-06	9.32E-07
768	490736.72, 3860385.12	7.11E-03	2.24E-06	9.52E-07	7.25E-03	2.29E-06	9.71E-07	7.24E-03	2.29E-06	9.70E-07
769	490786.72, 3860385.12	7.43E-03	2.34E-06	9.94E-07	7.58E-03	2.39E-06	1.01E-06	7.57E-03	2.39E-06	1.01E-06
770	490136.72, 3860435.12	4.42E-03	1.40E-06	5.92E-07	4.51E-03	1.42E-06	6.04E-07	4.51E-03	1.42E-06	6.03E-07
771	490186.72, 3860435.12	4.56E-03	1.44E-06	6.10E-07	4.65E-03	1.47E-06	6.23E-07	4.65E-03	1.47E-06	6.22E-07
772	490236.72, 3860435.12	4.69E-03	1.48E-06	6.29E-07	4.79E-03	1.51E-06	6.41E-07	4.78E-03	1.51E-06	6.41E-07
773	490286.72, 3860435.12	4.83E-03	1.53E-06	6.47E-07	4.93E-03	1.56E-06	6.60E-07	4.93E-03	1.55E-06	6.60E-07
774	490336.72, 3860435.12	4.97E-03	1.57E-06	6.66E-07	5.07E-03	1.60E-06	6.79E-07	5.07E-03	1.60E-06	6.79E-07
775	490386.72, 3860435.12	5.13E-03	1.62E-06	6.86E-07	5.23E-03	1.65E-06	7.00E-07	5.22E-03	1.65E-06	7.00E-07
776	490436.72, 3860435.12	5.29E-03	1.67E-06	7.08E-07	5.39E-03	1.70E-06	7.22E-07	5.39E-03	1.70E-06	7.22E-07
777	490486.72, 3860435.12	5.46E-03	1.72E-06	7.31E-07	5.57E-03	1.76E-06	7.46E-07	5.56E-03	1.76E-06	7.45E-07
778	490536.72, 3860435.12	5.64E-03	1.78E-06	7.56E-07	5.76E-03	1.82E-06	7.71E-07	5.75E-03	1.82E-06	7.70E-07
779	490586.72, 3860435.12	5.83E-03	1.84E-06	7.81E-07	5.95E-03	1.88E-06	7.97E-07	5.95E-03	1.88E-06	7.96E-07
780	490636.72, 3860435.12	6.03E-03	1.90E-06	8.08E-07	6.16E-03	1.94E-06	8.25E-07	6.15E-03	1.94E-06	8.24E-07
781	490686.72, 3860435.12	6.26E-03	1.98E-06	8.39E-07	6.39E-03	2.02E-06	8.56E-07	6.38E-03	2.01E-06	8.55E-07
782	490736.72, 3860435.12	6.52E-03	2.06E-06	8.73E-07	6.65E-03	2.10E-06	8.91E-07	6.65E-03	2.10E-06	8.90E-07
783	490786.72, 3860435.12	6.78E-03	2.14E-06	9.08E-07	6.92E-03	2.18E-06	9.27E-07	6.91E-03	2.18E-06	9.26E-07
784	490136.72, 3860485.12	4.16E-03	1.31E-06	5.57E-07	4.24E-03	1.34E-06	5.68E-07	4.24E-03	1.34E-06	5.67E-07
785	490186.72, 3860485.12	4.27E-03	1.35E-06	5.72E-07	4.36E-03	1.38E-06	5.84E-07	4.35E-03	1.37E-06	5.83E-07
786	490236.72, 3860485.12	4.39E-03	1.38E-06	5.88E-07	4.48E-03	1.41E-06	5.99E-07	4.47E-03	1.41E-06	5.99E-07
787	490286.72, 3860485.12	4.52E-03	1.43E-06	6.05E-07	4.61E-03	1.45E-06	6.17E-07	4.60E-03	1.45E-06	6.16E-07
788	490336.72, 3860485.12	4.64E-03	1.46E-06	6.21E-07	4.73E-03	1.49E-06	6.34E-07	4.73E-03	1.49E-06	6.33E-07
789	490386.72, 3860485.12	4.78E-03	1.51E-06	6.40E-07	4.88E-03	1.54E-06	6.53E-07	4.87E-03	1.54E-06	6.52E-07
790	490436.72, 3860485.12	4.93E-03	1.56E-06	6.61E-07	5.03E-03	1.59E-06	6.74E-07	5.03E-03	1.59E-06	6.73E-07
791	490486.72, 3860485.12	5.08E-03	1.60E-06	6.80E-07	5.18E-03	1.64E-06	6.94E-07	5.18E-03	1.63E-06	6.93E-07
792	490536.72, 3860485.12	5.23E-03	1.65E-06	7.00E-07	5.33E-03	1.68E-06	7.14E-07	5.33E-03	1.68E-06	7.14E-07
793	490586.72, 3860485.12	5.39E-03	1.70E-06	7.22E-07	5.50E-03	1.74E-06	7.37E-07	5.49E-03	1.73E-06	7.36E-07
794	490636.72, 3860485.12	5.58E-03	1.76E-06	7.47E-07	5.69E-03	1.80E-06	7.62E-07	5.69E-03	1.79E-06	7.61E-07
795	490686.72, 3860485.12	5.76E-03	1.82E-06	7.72E-07	5.88E-03	1.86E-06	7.87E-07	5.87E-03	1.85E-06	7.87E-07
796	490736.72, 3860485.12	5.98E-03	1.89E-06	8.01E-07	6.10E-03	1.93E-06	8.17E-07	6.10E-03	1.92E-06	8.16E-07
797	490786.72, 3860485.12	6.21E-03	1.96E-06	8.32E-07	6.34E-03	2.00E-06	8.49E-07	6.33E-03	2.00E-06	8.48E-07
798	490136.72, 3860535.12	3.91E-03	1.23E-06	5.24E-07	3.99E-03	1.26E-06	5.35E-07	3.99E-03	1.26E-06	5.34E-07
799	490186.72, 3860535.12	4.04E-03	1.27E-06	5.40E-07	4.12E-03	1.30E-06	5.51E-07	4.11E-03	1.30E-06	5.51E-07
800	490236.72, 3860535.12	4.12E-03	1.30E-06	5.52E-07	4.21E-03	1.33E-06	5.63E-07	4.20E-03	1.33E-06	5.62E-07
801	490286.72, 3860535.12	4.23E-03	1.33E-06	5.66E-07	4.31E-03	1.36E-06	5.77E-07	4.31E-03	1.36E-06	5.77E-07
802	490336.72, 3860535.12	4.34E-03	1.37E-06	5.82E-07	4.43E-03	1.40E-06	5.94E-07	4.43E-03	1.40E-06	5.93E-07
803	490386.72, 3860535.12	4.48E-03	1.41E-06	5.99E-07	4.57E-03	1.44E-06	6.11E-07	4.56E-03	1.44E-06	6.11E-07
804	490436.72, 3860535.12	4.61E-03	1.45E-06	6.17E-07	4.70E-03	1.48E-06	6.30E-07	4.70E-03	1.48E-06	6.29E-07
805	490486.72, 3860535.12	4.75E-03	1.50E-06	6.36E-07	4.84E-03	1.53E-06	6.49E-07	4.84E-03	1.53E-06	6.48E-07
806	490536.72, 3860535.12	4.92E-03	1.55E-06	6.59E-07	5.02E-03	1.58E-06	6.72E-07	5.02E-03	1.58E-06	6.72E-07
807	490586.72, 3860535.12	5.02E-03	1.58E-06	6.72E-07	5.12E-03	1.62E-06	6.86E-07	5.12E-03	1.61E-06	6.85E-07
808	490636.72, 3860535.12	5.17E-03	1.63E-06	6.92E-07	5.27E-03	1.66E-06	7.06E-07	5.27E-03	1.66E-06	7.05E-07
809	490686.72, 3860535.12	5.34E-03	1.68E-06	7.15E-07	5.45E-03	1.72E-06	7.29E-07	5.44E-03	1.72E-06	7.29E-07
810	490736.72, 3860535.12	5.51E-03	1.74E-06	7.38E-07	5.62E-03	1.77E-06	7.53E-07	5.62E-03	1.77E-06	7.52E-07
811	490786.72, 3860535.12	5.71E-03	1.80E-06	7.65E-07	5.83E-03	1.84E-06	7.81E-07	5.82E-03	1.84E-06	7.80E-07
812	490136.72, 3860585.12	3.71E-03	1.17E-06	4.96E-07	3.78E-03	1.19E-06	5.07E-07	3.78E-03	1.19E-06	5.06E-07
813	490186.72, 3860585.12	3.75E-03	1.18E-06	5.03E-07	3.83E-03	1.21E-06	5.13E-07	3.83E-03	1.21E-06	5.12E-07
814	490236.72, 3860585.12	3.86E-03	1.22E-06	5.18E-07	3.94E-03	1.24E-06	5.28E-07	3.94E-03	1.24E-06	5.27E-07
815	490286.72, 3860585.12	3.97E-03	1.25E-06	5.32E-07	4.05E-03	1.28E-06	5.43E-07	4.05E-03	1.28E-06	5.42E-07
816	490336.72, 3860585.12	4.08E-03	1.29E-06	5.46E-07	4.16E-03	1.31E-06	5.57E-07	4.15E-03	1.31E-06	5.56E-07
817	490386.72, 3860585.12	4.18E-03	1.32E-06	5.60E-07	4.27E-03	1.35E-06	5.71E-07	4.26E-03	1.35E-06	5.71E-07
818	490436.72, 3860585.12	4.33E-03	1.37E-06	5.80E-07	4.42E-03	1.39E-06	5.92E-07	4.41E-03	1.39E-06	5.91E-07
819	490486.72, 3860585.12	4.48E-03	1.41E-06	6.00E-07	4.57E-03	1.44E-06	6.12E-07	4.56E-03	1.44E-06	6.11E-07
820	490536.72, 3860585.12	4.59E-03	1.45E-06	6.15E-07	4.69E-03	1.48E-06	6.28E-07	4.68E-03	1.48E-06	6.27E-07
821	490586.72, 3860585.12	4.66E-03	1.47E-06	6.24E-07	4.76E-03	1.50E-06	6.37E-07	4.75E-03	1.50E-06	6.36E-07
822	490636.72, 3860585.12	4.80E-03	1.52E-06	6.43E-07	4.90E-03	1.55E-06	6.56E-07	4.89E-03	1.54E-06	6.55E-07
823	490686.72, 3860585.12	4.95E-03	1.56E-06	6.62E-07	5.05E-03	1.59E-06	6.76E-07	5.04E-03	1.59E-06	6.75E-07
824	490736.72, 3860585.12	5.10E-03	1.61E-06	6.83E-07	5.21E-03	1.64E-06	6.97E-07	5.20E-03	1.64E-06	6.96E-07
825	490786.72, 3860585.12	5.26E-03	1.66E-06	7.05E-07	5.37E-03	1.69E-06	7.19E-07	5.36E-03	1.69E-06	7.18E-07
826	490136.72, 3860635.12	3.53E-03	1.11E-06	4.73E-07	3.60E-03	1.14E-06	4.83E-07	3.60E-03	1.14E-06	4.82E-07
827	490186.72, 3860635.12	3.59E-03	1.13E-06	4.81E-07	3.66E-03	1.16E-06	4.91E-07	3.66E-03	1.16E-06	4.90E-07
828	490236.72, 3860635.12	3.65E-03	1.15E-06	4.89E-07	3.72E-03	1.17E-06	4.98E-07	3.72E-03	1.17E-06	4.98E-07
829	490286.72, 3860635.12	3.73E-03	1.18E-06	5.00E-07	3.81E-03	1.20E-06	5.10E-07	3.80E-03	1.20E-06	5.09E-07
830	490336.72, 3860635.12	3.83E-03	1.21E-06	5.13E-07	3.91E-03	1.23E-06	5.23E-07	3.90E-03	1.23E-06	5.23E-07
831	490386.72, 3860635.12	3.93E-03	1.24E-06	5.26E-07	4.01E-03	1.27E-06	5.37E-07	4.01E-03	1.26E-06	5.36E-07
832	490436.72, 3860635.12	4.03E-03	1.27E-06	5.39E-07	4.11E-03	1.30E-06	5.50E-07	4.11E-03	1.30E-06	5.50E-07
833	490486.72, 3860635.12	4.14E-03	1.31E-06	5.54E-07	4.22E-03	1.33E-06	5.65E-07	4.22E-03	1.33E-06	5.65E-07
834	490536.72, 3860635.12	4.27E-03	1.35E-06	5.71E-07	4.35E-03	1.37E-06	5.83E-07	4.35E-03	1.37E-06	5.82E-07
835	490586.72, 3860635.12	4.36E-03	1.38E-06	5.84E-07	4.45E-03	1.40E-06	5.96E-07	4.44E-03	1.40E-06	5.95E-07
836	490636.72, 3860635.12	4.48E-03	1.42E-06	6.00E-07	4.58E-03	1.44E-06	6.13E-07	4.57E-03	1.44E-06	6.12E-07

837	490686.72, 3860635.12	4.61E-03	1.45E-06	6.17E-07	4.70E-03	1.48E-06	6.30E-07	4.70E-03	1.48E-06	6.29E-07
838	490736.72, 3860635.12	4.73E-03	1.49E-06	6.33E-07	4.82E-03	1.52E-06	6.46E-07	4.82E-03	1.52E-06	6.45E-07
839	490786.72, 3860635.12	4.87E-03	1.54E-06	6.52E-07	4.97E-03	1.57E-06	6.66E-07	4.96E-03	1.57E-06	6.65E-07
840	490136.72, 3860685.12	3.33E-03	1.05E-06	4.46E-07	3.40E-03	1.07E-06	4.56E-07	3.40E-03	1.07E-06	4.55E-07
841	490186.72, 3860685.12	3.43E-03	1.08E-06	4.60E-07	3.50E-03	1.11E-06	4.69E-07	3.50E-03	1.10E-06	4.69E-07
842	490236.72, 3860685.12	3.48E-03	1.10E-06	4.66E-07	3.55E-03	1.12E-06	4.76E-07	3.55E-03	1.12E-06	4.75E-07
843	490286.72, 3860685.12	3.51E-03	1.11E-06	4.70E-07	3.58E-03	1.13E-06	4.80E-07	3.58E-03	1.13E-06	4.79E-07
844	490336.72, 3860685.12	3.61E-03	1.14E-06	4.83E-07	3.68E-03	1.16E-06	4.93E-07	3.68E-03	1.16E-06	4.93E-07
845	490386.72, 3860685.12	3.70E-03	1.17E-06	4.95E-07	3.77E-03	1.19E-06	5.05E-07	3.77E-03	1.19E-06	5.05E-07
846	490436.72, 3860685.12	3.78E-03	1.19E-06	5.06E-07	3.86E-03	1.22E-06	5.16E-07	3.85E-03	1.22E-06	5.16E-07
847	490486.72, 3860685.12	3.86E-03	1.22E-06	5.17E-07	3.94E-03	1.24E-06	5.28E-07	3.94E-03	1.24E-06	5.27E-07
848	490536.72, 3860685.12	3.96E-03	1.25E-06	5.31E-07	4.04E-03	1.28E-06	5.42E-07	4.04E-03	1.27E-06	5.41E-07
849	490586.72, 3860685.12	4.07E-03	1.28E-06	5.45E-07	4.15E-03	1.31E-06	5.56E-07	4.15E-03	1.31E-06	5.55E-07
850	490636.72, 3860685.12	4.18E-03	1.32E-06	5.60E-07	4.27E-03	1.35E-06	5.72E-07	4.26E-03	1.35E-06	5.71E-07
851	490686.72, 3860685.12	4.31E-03	1.36E-06	5.77E-07	4.39E-03	1.39E-06	5.89E-07	4.39E-03	1.39E-06	5.88E-07
852	490736.72, 3860685.12	4.42E-03	1.39E-06	5.91E-07	4.51E-03	1.42E-06	6.03E-07	4.50E-03	1.42E-06	6.03E-07
853	490786.72, 3860685.12	4.56E-03	1.44E-06	6.10E-07	4.65E-03	1.47E-06	6.23E-07	4.65E-03	1.47E-06	6.22E-07
854	490136.72, 3860735.12	3.12E-03	9.85E-07	4.18E-07	3.19E-03	1.01E-06	4.27E-07	3.18E-03	1.00E-06	4.26E-07
855	490186.72, 3860735.12	3.18E-03	1.00E-06	4.26E-07	3.24E-03	1.02E-06	4.34E-07	3.24E-03	1.02E-06	4.34E-07
856	490236.72, 3860735.12	3.25E-03	1.02E-06	4.35E-07	3.31E-03	1.05E-06	4.44E-07	3.31E-03	1.04E-06	4.43E-07
857	490286.72, 3860735.12	3.32E-03	1.05E-06	4.45E-07	3.39E-03	1.07E-06	4.54E-07	3.38E-03	1.07E-06	4.53E-07
858	490336.72, 3860735.12	3.39E-03	1.07E-06	4.54E-07	3.46E-03	1.09E-06	4.64E-07	3.46E-03	1.09E-06	4.63E-07
859	490386.72, 3860735.12	3.48E-03	1.10E-06	4.66E-07	3.55E-03	1.12E-06	4.76E-07	3.55E-03	1.12E-06	4.75E-07
860	490436.72, 3860735.12	3.59E-03	1.13E-06	4.80E-07	3.66E-03	1.16E-06	4.90E-07	3.66E-03	1.15E-06	4.89E-07
861	490486.72, 3860735.12	3.65E-03	1.15E-06	4.89E-07	3.73E-03	1.18E-06	4.99E-07	3.72E-03	1.18E-06	4.99E-07
862	490536.72, 3860735.12	3.71E-03	1.17E-06	4.97E-07	3.78E-03	1.19E-06	5.07E-07	3.78E-03	1.19E-06	5.06E-07
863	490586.72, 3860735.12	3.79E-03	1.20E-06	5.08E-07	3.87E-03	1.22E-06	5.18E-07	3.87E-03	1.22E-06	5.18E-07
864	490636.72, 3860735.12	3.89E-03	1.23E-06	5.21E-07	3.97E-03	1.25E-06	5.31E-07	3.96E-03	1.25E-06	5.31E-07
865	490686.72, 3860735.12	4.01E-03	1.26E-06	5.36E-07	4.09E-03	1.29E-06	5.47E-07	4.08E-03	1.29E-06	5.47E-07
866	490736.72, 3860735.12	4.13E-03	1.30E-06	5.53E-07	4.21E-03	1.33E-06	5.64E-07	4.21E-03	1.33E-06	5.63E-07
867	490136.72, 3860785.12	2.94E-03	9.27E-07	3.93E-07	3.00E-03	9.46E-07	4.02E-07	2.99E-03	9.45E-07	4.01E-07
868	490186.72, 3860785.12	3.00E-03	9.47E-07	4.02E-07	3.06E-03	9.66E-07	4.10E-07	3.06E-03	9.65E-07	4.09E-07
869	490236.72, 3860785.12	3.06E-03	9.66E-07	4.10E-07	3.12E-03	9.86E-07	4.18E-07	3.12E-03	9.85E-07	4.18E-07
870	490286.72, 3860785.12	3.13E-03	9.87E-07	4.19E-07	3.19E-03	1.01E-06	4.27E-07	3.19E-03	1.01E-06	4.27E-07
871	490336.72, 3860785.12	3.19E-03	1.01E-06	4.27E-07	3.26E-03	1.03E-06	4.36E-07	3.25E-03	1.03E-06	4.36E-07
872	490386.72, 3860785.12	3.28E-03	1.03E-06	4.39E-07	3.34E-03	1.06E-06	4.48E-07	3.34E-03	1.05E-06	4.47E-07
873	490436.72, 3860785.12	3.35E-03	1.06E-06	4.48E-07	3.42E-03	1.08E-06	4.58E-07	3.41E-03	1.08E-06	4.57E-07
874	490486.72, 3860785.12	3.44E-03	1.09E-06	4.60E-07	3.51E-03	1.11E-06	4.70E-07	3.50E-03	1.11E-06	4.69E-07
875	490536.72, 3860785.12	3.50E-03	1.11E-06	4.69E-07	3.57E-03	1.13E-06	4.78E-07	3.57E-03	1.13E-06	4.78E-07
876	490586.72, 3860785.12	3.55E-03	1.12E-06	4.75E-07	3.62E-03	1.14E-06	4.85E-07	3.62E-03	1.14E-06	4.84E-07
877	490636.72, 3860785.12	3.63E-03	1.14E-06	4.86E-07	3.70E-03	1.17E-06	4.95E-07	3.70E-03	1.17E-06	4.95E-07
878	490686.72, 3860785.12	3.72E-03	1.17E-06	4.98E-07	3.80E-03	1.20E-06	5.08E-07	3.79E-03	1.20E-06	5.08E-07
879	490736.72, 3860785.12	3.83E-03	1.21E-06	5.13E-07	3.91E-03	1.23E-06	5.23E-07	3.90E-03	1.23E-06	5.23E-07
880	490086.72, 3860835.12	2.73E-03	8.62E-07	3.66E-07	2.79E-03	8.80E-07	3.73E-07	2.78E-03	8.79E-07	3.73E-07
881	490136.72, 3860835.12	2.79E-03	8.82E-07	3.74E-07	2.85E-03	9.00E-07	3.82E-07	2.85E-03	8.99E-07	3.81E-07
882	490186.72, 3860835.12	2.84E-03	8.97E-07	3.81E-07	2.90E-03	9.15E-07	3.88E-07	2.90E-03	9.14E-07	3.88E-07
883	490236.72, 3860835.12	2.90E-03	9.14E-07	3.88E-07	2.95E-03	9.32E-07	3.96E-07	2.95E-03	9.31E-07	3.95E-07
884	490286.72, 3860835.12	2.96E-03	9.33E-07	3.96E-07	3.02E-03	9.52E-07	4.04E-07	3.01E-03	9.51E-07	4.04E-07
885	490336.72, 3860835.12	3.01E-03	9.51E-07	4.03E-07	3.07E-03	9.70E-07	4.12E-07	3.07E-03	9.69E-07	4.11E-07
886	490386.72, 3860835.12	3.07E-03	9.70E-07	4.12E-07	3.14E-03	9.90E-07	4.20E-07	3.13E-03	9.89E-07	4.19E-07
887	490436.72, 3860835.12	3.15E-03	9.93E-07	4.21E-07	3.21E-03	1.01E-06	4.30E-07	3.21E-03	1.01E-06	4.30E-07
888	490486.72, 3860835.12	3.22E-03	1.02E-06	4.31E-07	3.29E-03	1.04E-06	4.40E-07	3.28E-03	1.04E-06	4.39E-07
889	490536.72, 3860835.12	3.29E-03	1.04E-06	4.40E-07	3.35E-03	1.06E-06	4.49E-07	3.35E-03	1.06E-06	4.48E-07
890	490586.72, 3860835.12	3.34E-03	1.06E-06	4.48E-07	3.41E-03	1.08E-06	4.57E-07	3.41E-03	1.08E-06	4.56E-07
891	490636.72, 3860835.12	3.40E-03	1.07E-06	4.56E-07	3.47E-03	1.10E-06	4.65E-07	3.47E-03	1.09E-06	4.64E-07
892	490686.72, 3860835.12	3.48E-03	1.10E-06	4.66E-07	3.55E-03	1.12E-06	4.76E-07	3.55E-03	1.12E-06	4.75E-07
893	490736.72, 3860835.12	3.57E-03	1.13E-06	4.79E-07	3.65E-03	1.15E-06	4.88E-07	3.64E-03	1.15E-06	4.88E-07
894	490086.72, 3860885.12	2.61E-03	8.22E-07	3.49E-07	2.66E-03	8.39E-07	3.56E-07	2.66E-03	8.38E-07	3.56E-07
895	490136.72, 3860885.12	2.65E-03	8.38E-07	3.55E-07	2.71E-03	8.55E-07	3.63E-07	2.71E-03	8.54E-07	3.62E-07
896	490186.72, 3860885.12	2.70E-03	8.52E-07	3.62E-07	2.76E-03	8.70E-07	3.69E-07	2.75E-03	8.69E-07	3.69E-07
897	490236.72, 3860885.12	2.75E-03	8.68E-07	3.68E-07	2.81E-03	8.86E-07	3.76E-07	2.80E-03	8.85E-07	3.75E-07
898	490286.72, 3860885.12	2.80E-03	8.84E-07	3.75E-07	2.86E-03	9.02E-07	3.83E-07	2.85E-03	9.01E-07	3.82E-07
899	490336.72, 3860885.12	2.85E-03	8.99E-07	3.81E-07	2.91E-03	9.17E-07	3.89E-07	2.90E-03	9.16E-07	3.89E-07
900	490386.72, 3860885.12	2.91E-03	9.18E-07	3.89E-07	2.97E-03	9.37E-07	3.97E-07	2.96E-03	9.35E-07	3.97E-07
901	490436.72, 3860885.12	2.97E-03	9.38E-07	3.98E-07	3.03E-03	9.57E-07	4.06E-07	3.03E-03	9.56E-07	4.06E-07
902	490486.72, 3860885.12	3.03E-03	9.57E-07	4.06E-07	3.09E-03	9.77E-07	4.14E-07	3.09E-03	9.76E-07	4.14E-07
903	490536.72, 3860885.12	3.09E-03	9.75E-07	4.14E-07	3.15E-03	9.95E-07	4.22E-07	3.15E-03	9.94E-07	4.22E-07
904	490586.72, 3860885.12	3.14E-03	9.93E-07	4.21E-07	3.21E-03	1.01E-06	4.30E-07	3.21E-03	1.01E-06	4.29E-07
905	490636.72, 3860885.12	3.20E-03	1.01E-06	4.28E-07	3.26E-03	1.03E-06	4.37E-07	3.26E-03	1.03E-06	4.36E-07
906	490686.72, 3860885.12	3.26E-03	1.03E-06	4.36E-07	3.33E-03	1.05E-06	4.45E-07	3.32E-03	1.05E-06	4.45E-07

907	490736.72, 3860885.12	3.33E-03	1.05E-06	4.45E-07	3.39E-03	1.07E-06	4.55E-07	3.39E-03	1.07E-06	4.54E-07
908	490086.72, 3860935.12	2.48E-03	7.82E-07	3.32E-07	2.53E-03	7.98E-07	3.39E-07	2.53E-03	7.97E-07	3.38E-07
909	490136.72, 3860935.12	2.51E-03	7.94E-07	3.37E-07	2.57E-03	8.10E-07	3.44E-07	2.56E-03	8.09E-07	3.43E-07
910	490186.72, 3860935.12	2.56E-03	8.09E-07	3.43E-07	2.62E-03	8.25E-07	3.50E-07	2.61E-03	8.24E-07	3.50E-07
911	490236.72, 3860935.12	2.61E-03	8.24E-07	3.50E-07	2.66E-03	8.41E-07	3.57E-07	2.66E-03	8.40E-07	3.56E-07
912	490286.72, 3860935.12	2.66E-03	8.39E-07	3.56E-07	2.71E-03	8.57E-07	3.63E-07	2.71E-03	8.56E-07	3.63E-07
913	490336.72, 3860935.12	2.70E-03	8.53E-07	3.62E-07	2.76E-03	8.70E-07	3.69E-07	2.75E-03	8.69E-07	3.69E-07
914	490386.72, 3860935.12	2.76E-03	8.70E-07	3.69E-07	2.81E-03	8.88E-07	3.77E-07	2.81E-03	8.87E-07	3.76E-07
915	490436.72, 3860935.12	2.81E-03	8.88E-07	3.77E-07	2.87E-03	9.06E-07	3.84E-07	2.87E-03	9.05E-07	3.84E-07
916	490486.72, 3860935.12	2.86E-03	9.04E-07	3.83E-07	2.92E-03	9.22E-07	3.91E-07	2.92E-03	9.21E-07	3.91E-07
917	490536.72, 3860935.12	2.92E-03	9.20E-07	3.90E-07	2.98E-03	9.39E-07	3.98E-07	2.97E-03	9.38E-07	3.98E-07
918	490586.72, 3860935.12	2.96E-03	9.35E-07	3.97E-07	3.02E-03	9.54E-07	4.05E-07	3.02E-03	9.53E-07	4.04E-07
919	490636.72, 3860935.12	3.01E-03	9.50E-07	4.03E-07	3.07E-03	9.69E-07	4.11E-07	3.07E-03	9.68E-07	4.11E-07
920	490686.72, 3860935.12	3.06E-03	9.66E-07	4.10E-07	3.12E-03	9.86E-07	4.18E-07	3.12E-03	9.85E-07	4.18E-07
921	490736.72, 3860935.12	3.11E-03	9.83E-07	4.17E-07	3.18E-03	1.00E-06	4.26E-07	3.17E-03	1.00E-06	4.25E-07
922	490786.72, 3860935.12	3.17E-03	1.00E-06	4.25E-07	3.24E-03	1.02E-06	4.33E-07	3.23E-03	1.02E-06	4.33E-07
923	490836.72, 3860935.12	3.24E-03	1.02E-06	4.34E-07	3.31E-03	1.04E-06	4.43E-07	3.30E-03	1.04E-06	4.42E-07
924	490086.72, 3860985.12	2.37E-03	7.47E-07	3.17E-07	2.42E-03	7.63E-07	3.24E-07	2.41E-03	7.62E-07	3.23E-07
925	490136.72, 3860985.12	2.41E-03	7.59E-07	3.22E-07	2.45E-03	7.75E-07	3.29E-07	2.45E-03	7.74E-07	3.28E-07
926	490186.72, 3860985.12	2.45E-03	7.73E-07	3.28E-07	2.50E-03	7.89E-07	3.35E-07	2.50E-03	7.88E-07	3.34E-07
927	490236.72, 3860985.12	2.48E-03	7.84E-07	3.33E-07	2.53E-03	8.00E-07	3.39E-07	2.53E-03	7.99E-07	3.39E-07
928	490286.72, 3860985.12	2.52E-03	7.96E-07	3.38E-07	2.57E-03	8.13E-07	3.45E-07	2.57E-03	8.12E-07	3.44E-07
929	490336.72, 3860985.12	2.57E-03	8.10E-07	3.44E-07	2.62E-03	8.26E-07	3.51E-07	2.61E-03	8.25E-07	3.50E-07
930	490386.72, 3860985.12	2.61E-03	8.24E-07	3.50E-07	2.66E-03	8.41E-07	3.57E-07	2.66E-03	8.40E-07	3.56E-07
931	490436.72, 3860985.12	2.67E-03	8.41E-07	3.57E-07	2.72E-03	8.59E-07	3.64E-07	2.72E-03	8.58E-07	3.64E-07
932	490486.72, 3860985.12	2.71E-03	8.55E-07	3.63E-07	2.76E-03	8.73E-07	3.70E-07	2.76E-03	8.71E-07	3.70E-07
933	490536.72, 3860985.12	2.75E-03	8.68E-07	3.68E-07	2.81E-03	8.86E-07	3.76E-07	2.80E-03	8.84E-07	3.75E-07
934	490586.72, 3860985.12	2.79E-03	8.81E-07	3.74E-07	2.85E-03	8.99E-07	3.81E-07	2.84E-03	8.98E-07	3.81E-07
935	490636.72, 3860985.12	2.84E-03	8.96E-07	3.80E-07	2.90E-03	9.14E-07	3.88E-07	2.89E-03	9.13E-07	3.87E-07
936	490686.72, 3860985.12	2.88E-03	9.08E-07	3.85E-07	2.94E-03	9.27E-07	3.93E-07	2.93E-03	9.26E-07	3.93E-07
937	490736.72, 3860985.12	2.92E-03	9.21E-07	3.91E-07	2.98E-03	9.40E-07	3.99E-07	2.97E-03	9.39E-07	3.98E-07
938	490786.72, 3860985.12	2.97E-03	9.36E-07	3.97E-07	3.03E-03	9.55E-07	4.05E-07	3.02E-03	9.54E-07	4.05E-07
939	490836.72, 3860985.12	3.02E-03	9.53E-07	4.04E-07	3.08E-03	9.73E-07	4.13E-07	3.08E-03	9.72E-07	4.12E-07
940	490086.72, 3861035.12	2.26E-03	7.14E-07	3.03E-07	2.31E-03	7.29E-07	3.09E-07	2.31E-03	7.28E-07	3.09E-07
941	490136.72, 3861035.12	2.30E-03	7.25E-07	3.08E-07	2.34E-03	7.40E-07	3.14E-07	2.34E-03	7.39E-07	3.14E-07
942	490186.72, 3861035.12	2.33E-03	7.36E-07	3.12E-07	2.38E-03	7.51E-07	3.19E-07	2.38E-03	7.50E-07	3.18E-07
943	490236.72, 3861035.12	2.37E-03	7.48E-07	3.17E-07	2.42E-03	7.63E-07	3.24E-07	2.41E-03	7.62E-07	3.23E-07
944	490286.72, 3861035.12	2.40E-03	7.58E-07	3.21E-07	2.45E-03	7.73E-07	3.28E-07	2.45E-03	7.72E-07	3.28E-07
945	490336.72, 3861035.12	2.43E-03	7.68E-07	3.26E-07	2.48E-03	7.84E-07	3.33E-07	2.48E-03	7.83E-07	3.32E-07
946	490386.72, 3861035.12	2.48E-03	7.83E-07	3.32E-07	2.53E-03	7.99E-07	3.39E-07	2.53E-03	7.98E-07	3.39E-07
947	490436.72, 3861035.12	2.53E-03	7.98E-07	3.39E-07	2.58E-03	8.14E-07	3.45E-07	2.58E-03	8.13E-07	3.45E-07
948	490486.72, 3861035.12	2.57E-03	8.10E-07	3.44E-07	2.62E-03	8.27E-07	3.51E-07	2.62E-03	8.26E-07	3.50E-07
949	490536.72, 3861035.12	2.60E-03	8.22E-07	3.49E-07	2.66E-03	8.38E-07	3.56E-07	2.65E-03	8.37E-07	3.55E-07
950	490586.72, 3861035.12	2.64E-03	8.32E-07	3.53E-07	2.69E-03	8.49E-07	3.60E-07	2.69E-03	8.48E-07	3.60E-07
951	490636.72, 3861035.12	2.67E-03	8.43E-07	3.58E-07	2.73E-03	8.60E-07	3.65E-07	2.72E-03	8.59E-07	3.65E-07
952	490686.72, 3861035.12	2.71E-03	8.54E-07	3.62E-07	2.76E-03	8.71E-07	3.70E-07	2.76E-03	8.70E-07	3.69E-07
953	490736.72, 3861035.12	2.74E-03	8.65E-07	3.67E-07	2.80E-03	8.82E-07	3.74E-07	2.79E-03	8.81E-07	3.74E-07
954	490786.72, 3861035.12	2.78E-03	8.77E-07	3.72E-07	2.84E-03	8.95E-07	3.80E-07	2.83E-03	8.94E-07	3.79E-07
955	490836.72, 3861035.12	2.82E-03	8.91E-07	3.78E-07	2.88E-03	9.09E-07	3.86E-07	2.88E-03	9.08E-07	3.85E-07
956	490086.72, 3861085.12	2.16E-03	6.83E-07	2.90E-07	2.21E-03	6.97E-07	2.96E-07	2.20E-03	6.96E-07	2.95E-07
957	490136.72, 3861085.12	2.20E-03	6.94E-07	2.95E-07	2.24E-03	7.09E-07	3.01E-07	2.24E-03	7.08E-07	3.00E-07
958	490186.72, 3861085.12	2.24E-03	7.06E-07	3.00E-07	2.28E-03	7.21E-07	3.06E-07	2.28E-03	7.20E-07	3.05E-07
959	490236.72, 3861085.12	2.26E-03	7.15E-07	3.03E-07	2.31E-03	7.29E-07	3.09E-07	2.31E-03	7.28E-07	3.09E-07
960	490286.72, 3861085.12	2.29E-03	7.23E-07	3.07E-07	2.34E-03	7.38E-07	3.13E-07	2.34E-03	7.37E-07	3.13E-07
961	490336.72, 3861085.12	2.32E-03	7.32E-07	3.11E-07	2.37E-03	7.47E-07	3.17E-07	2.37E-03	7.47E-07	3.17E-07
962	490386.72, 3861085.12	2.36E-03	7.45E-07	3.16E-07	2.41E-03	7.60E-07	3.22E-07	2.41E-03	7.59E-07	3.22E-07
963	490436.72, 3861085.12	2.39E-03	7.56E-07	3.21E-07	2.44E-03	7.71E-07	3.27E-07	2.44E-03	7.70E-07	3.27E-07
964	490486.72, 3861085.12	2.43E-03	7.67E-07	3.25E-07	2.48E-03	7.82E-07	3.32E-07	2.48E-03	7.81E-07	3.32E-07
965	490536.72, 3861085.12	2.47E-03	7.79E-07	3.30E-07	2.52E-03	7.95E-07	3.37E-07	2.51E-03	7.94E-07	3.37E-07
966	490586.72, 3861085.12	2.50E-03	7.88E-07	3.34E-07	2.55E-03	8.04E-07	3.41E-07	2.54E-03	8.03E-07	3.41E-07
967	490636.72, 3861085.12	2.52E-03	7.95E-07	3.37E-07	2.57E-03	8.11E-07	3.44E-07	2.57E-03	8.10E-07	3.44E-07
968	490686.72, 3861085.12	2.55E-03	8.03E-07	3.41E-07	2.60E-03	8.20E-07	3.48E-07	2.59E-03	8.19E-07	3.47E-07
969	490736.72, 3861085.12	2.58E-03	8.13E-07	3.45E-07	2.63E-03	8.30E-07	3.52E-07	2.63E-03	8.29E-07	3.52E-07
970	490786.72, 3861085.12	2.61E-03	8.24E-07	3.49E-07	2.66E-03	8.40E-07	3.57E-07	2.66E-03	8.39E-07	3.56E-07
971	490836.72, 3861085.12	2.64E-03	8.34E-07	3.54E-07	2.70E-03	8.51E-07	3.61E-07	2.69E-03	8.50E-07	3.61E-07
972	490086.72, 3861135.12	2.07E-03	6.53E-07	2.77E-07	2.11E-03	6.67E-07	2.83E-07	2.11E-03	6.66E-07	2.82E-07
973	490136.72, 3861135.12	2.10E-03	6.63E-07	2.81E-07	2.14E-03	6.76E-07	2.87E-07	2.14E-03	6.76E-07	2.87E-07
974	490186.72, 3861135.12	2.13E-03	6.73E-07	2.86E-07	2.18E-03	6.87E-07	2.91E-07	2.17E-03	6.86E-07	2.91E-07
975	490236.72, 3861135.12	2.16E-03	6.83E-07	2.90E-07	2.21E-03	6.97E-07	2.96E-07	2.20E-03	6.96E-07	2.95E-07
976	490286.72, 3861135.12	2.19E-03	6.91E-07	2.93E-07	2.24E-03	7.06E-07	2.99E-07	2.23E-03	7.05E-07	2.99E-07

977	490336.72, 3861135.12	2.22E-03	6.99E-07	2.97E-07	2.26E-03	7.14E-07	3.03E-07	2.26E-03	7.13E-07	3.02E-07
978	490386.72, 3861135.12	2.25E-03	7.09E-07	3.01E-07	2.29E-03	7.23E-07	3.07E-07	2.29E-03	7.22E-07	3.06E-07
979	490436.72, 3861135.12	2.27E-03	7.18E-07	3.05E-07	2.32E-03	7.32E-07	3.11E-07	2.32E-03	7.31E-07	3.10E-07
980	490486.72, 3861135.12	2.30E-03	7.27E-07	3.09E-07	2.35E-03	7.42E-07	3.15E-07	2.35E-03	7.41E-07	3.14E-07
981	490536.72, 3861135.12	2.33E-03	7.36E-07	3.12E-07	2.38E-03	7.52E-07	3.19E-07	2.38E-03	7.51E-07	3.18E-07
982	490586.72, 3861135.12	2.36E-03	7.45E-07	3.16E-07	2.41E-03	7.60E-07	3.22E-07	2.40E-03	7.59E-07	3.22E-07
983	490636.72, 3861135.12	2.38E-03	7.51E-07	3.19E-07	2.43E-03	7.66E-07	3.25E-07	2.42E-03	7.65E-07	3.25E-07
984	490686.72, 3861135.12	2.40E-03	7.59E-07	3.22E-07	2.45E-03	7.74E-07	3.29E-07	2.45E-03	7.73E-07	3.28E-07
985	490736.72, 3861135.12	2.43E-03	7.68E-07	3.26E-07	2.48E-03	7.83E-07	3.32E-07	2.48E-03	7.82E-07	3.32E-07
986	490786.72, 3861135.12	2.46E-03	7.76E-07	3.29E-07	2.51E-03	7.92E-07	3.36E-07	2.51E-03	7.91E-07	3.36E-07
987	490836.72, 3861135.12	2.49E-03	7.85E-07	3.33E-07	2.54E-03	8.01E-07	3.40E-07	2.53E-03	8.00E-07	3.39E-07
988	490086.72, 3861185.12	1.98E-03	6.25E-07	2.65E-07	2.02E-03	6.38E-07	2.71E-07	2.02E-03	6.37E-07	2.70E-07
989	490136.72, 3861185.12	2.00E-03	6.32E-07	2.68E-07	2.04E-03	6.45E-07	2.74E-07	2.04E-03	6.44E-07	2.73E-07
990	490186.72, 3861185.12	2.03E-03	6.40E-07	2.72E-07	2.07E-03	6.53E-07	2.77E-07	2.07E-03	6.53E-07	2.77E-07
991	490236.72, 3861185.12	2.06E-03	6.49E-07	2.75E-07	2.10E-03	6.62E-07	2.81E-07	2.10E-03	6.62E-07	2.81E-07
992	490286.72, 3861185.12	2.09E-03	6.59E-07	2.80E-07	2.13E-03	6.73E-07	2.85E-07	2.13E-03	6.72E-07	2.85E-07
993	490336.72, 3861185.12	2.10E-03	6.64E-07	2.82E-07	2.15E-03	6.77E-07	2.87E-07	2.14E-03	6.77E-07	2.87E-07
994	490386.72, 3861185.12	2.13E-03	6.72E-07	2.85E-07	2.17E-03	6.86E-07	2.91E-07	2.17E-03	6.85E-07	2.91E-07
995	490436.72, 3861185.12	2.16E-03	6.82E-07	2.89E-07	2.20E-03	6.96E-07	2.95E-07	2.20E-03	6.95E-07	2.95E-07
996	490486.72, 3861185.12	2.18E-03	6.90E-07	2.93E-07	2.23E-03	7.04E-07	2.99E-07	2.23E-03	7.03E-07	2.98E-07
997	490536.72, 3861185.12	2.22E-03	7.00E-07	2.97E-07	2.26E-03	7.15E-07	3.03E-07	2.26E-03	7.14E-07	3.03E-07
998	490586.72, 3861185.12	2.24E-03	7.07E-07	3.00E-07	2.28E-03	7.21E-07	3.06E-07	2.28E-03	7.20E-07	3.06E-07
999	490636.72, 3861185.12	2.25E-03	7.10E-07	3.01E-07	2.30E-03	7.25E-07	3.07E-07	2.29E-03	7.24E-07	3.07E-07
1000	490686.72, 3861185.12	2.27E-03	7.17E-07	3.04E-07	2.32E-03	7.32E-07	3.10E-07	2.32E-03	7.31E-07	3.10E-07
1001	490736.72, 3861185.12	2.30E-03	7.26E-07	3.08E-07	2.35E-03	7.41E-07	3.14E-07	2.35E-03	7.40E-07	3.14E-07
1002	490786.72, 3861185.12	2.33E-03	7.35E-07	3.12E-07	2.38E-03	7.50E-07	3.18E-07	2.37E-03	7.49E-07	3.18E-07
1003	490836.72, 3861185.12	2.35E-03	7.43E-07	3.15E-07	2.40E-03	7.58E-07	3.22E-07	2.40E-03	7.57E-07	3.21E-07
1004	490086.72, 3861235.12	1.90E-03	5.99E-07	2.54E-07	1.94E-03	6.11E-07	2.59E-07	1.93E-03	6.10E-07	2.59E-07
1005	490136.72, 3861235.12	1.92E-03	6.05E-07	2.57E-07	1.96E-03	6.17E-07	2.62E-07	1.95E-03	6.16E-07	2.61E-07
1006	490186.72, 3861235.12	1.94E-03	6.12E-07	2.60E-07	1.98E-03	6.25E-07	2.65E-07	1.98E-03	6.24E-07	2.65E-07
1007	490236.72, 3861235.12	1.96E-03	6.18E-07	2.62E-07	2.00E-03	6.31E-07	2.68E-07	2.00E-03	6.30E-07	2.67E-07
1008	490386.72, 3861235.12	2.02E-03	6.38E-07	2.71E-07	2.06E-03	6.51E-07	2.76E-07	2.06E-03	6.50E-07	2.76E-07
1009	490436.72, 3861235.12	2.04E-03	6.44E-07	2.73E-07	2.08E-03	6.58E-07	2.79E-07	2.08E-03	6.57E-07	2.79E-07
1010	490486.72, 3861235.12	2.06E-03	6.51E-07	2.76E-07	2.11E-03	6.65E-07	2.82E-07	2.10E-03	6.64E-07	2.82E-07
1011	490536.72, 3861235.12	2.10E-03	6.63E-07	2.81E-07	2.14E-03	6.77E-07	2.87E-07	2.14E-03	6.76E-07	2.87E-07
1012	490586.72, 3861235.12	2.13E-03	6.73E-07	2.85E-07	2.18E-03	6.87E-07	2.91E-07	2.17E-03	6.86E-07	2.91E-07
1013	490636.72, 3861235.12	2.13E-03	6.73E-07	2.86E-07	2.18E-03	6.87E-07	2.91E-07	2.17E-03	6.86E-07	2.91E-07
1014	490686.72, 3861235.12	2.15E-03	6.80E-07	2.88E-07	2.20E-03	6.94E-07	2.94E-07	2.20E-03	6.93E-07	2.94E-07
1015	490736.72, 3861235.12	2.18E-03	6.89E-07	2.92E-07	2.23E-03	7.03E-07	2.98E-07	2.22E-03	7.02E-07	2.98E-07
1016	490786.72, 3861235.12	2.21E-03	6.98E-07	2.96E-07	2.26E-03	7.12E-07	3.02E-07	2.25E-03	7.11E-07	3.02E-07
1017	490836.72, 3861235.12	2.23E-03	7.05E-07	2.99E-07	2.28E-03	7.19E-07	3.05E-07	2.28E-03	7.18E-07	3.05E-07
1018	490086.72, 3861285.12	1.82E-03	5.75E-07	2.44E-07	1.86E-03	5.87E-07	2.49E-07	1.86E-03	5.86E-07	2.49E-07
1019	490136.72, 3861285.12	1.85E-03	5.83E-07	2.47E-07	1.88E-03	5.95E-07	2.52E-07	1.88E-03	5.94E-07	2.52E-07
1020	490186.72, 3861285.12	1.86E-03	5.87E-07	2.49E-07	1.90E-03	5.99E-07	2.54E-07	1.89E-03	5.98E-07	2.54E-07
1021	490236.72, 3861285.12	1.87E-03	5.92E-07	2.51E-07	1.91E-03	6.04E-07	2.56E-07	1.91E-03	6.03E-07	2.56E-07
1022	490386.72, 3861285.12	1.93E-03	6.09E-07	2.58E-07	1.97E-03	6.21E-07	2.63E-07	1.97E-03	6.20E-07	2.63E-07
1023	490436.72, 3861285.12	1.95E-03	6.15E-07	2.61E-07	1.99E-03	6.28E-07	2.66E-07	1.99E-03	6.27E-07	2.66E-07
1024	490486.72, 3861285.12	1.97E-03	6.21E-07	2.63E-07	2.01E-03	6.33E-07	2.69E-07	2.00E-03	6.33E-07	2.68E-07
1025	490536.72, 3861285.12	1.99E-03	6.27E-07	2.66E-07	2.03E-03	6.40E-07	2.72E-07	2.03E-03	6.39E-07	2.71E-07
1026	490586.72, 3861285.12	2.01E-03	6.35E-07	2.69E-07	2.05E-03	6.48E-07	2.75E-07	2.05E-03	6.47E-07	2.75E-07
1027	490636.72, 3861285.12	2.02E-03	6.39E-07	2.71E-07	2.06E-03	6.52E-07	2.76E-07	2.06E-03	6.51E-07	2.76E-07
1028	490686.72, 3861285.12	2.04E-03	6.45E-07	2.74E-07	2.09E-03	6.59E-07	2.79E-07	2.08E-03	6.58E-07	2.79E-07
1029	490736.72, 3861285.12	2.08E-03	6.56E-07	2.78E-07	2.12E-03	6.69E-07	2.84E-07	2.12E-03	6.68E-07	2.84E-07
1030	490786.72, 3861285.12	2.10E-03	6.62E-07	2.81E-07	2.14E-03	6.76E-07	2.87E-07	2.14E-03	6.75E-07	2.86E-07
1031	490836.72, 3861285.12	2.11E-03	6.67E-07	2.83E-07	2.16E-03	6.81E-07	2.89E-07	2.16E-03	6.80E-07	2.89E-07
1032	490061.24, 3859716.13	2.21E-02	6.98E-06	2.96E-06	2.26E-02	7.13E-06	3.02E-06	2.26E-02	7.12E-06	3.02E-06
1033	490111.24, 3859716.13	2.53E-02	7.98E-06	3.39E-06	2.58E-02	8.15E-06	3.46E-06	2.58E-02	8.14E-06	3.45E-06
1034	490161.24, 3859716.13	2.93E-02	9.24E-06	3.92E-06	2.99E-02	9.43E-06	4.00E-06	2.98E-02	9.42E-06	4.00E-06
1035	490211.24, 3859716.13	3.44E-02	1.09E-05	4.61E-06	3.51E-02	1.11E-05	4.71E-06	3.51E-02	1.11E-05	4.70E-06
1036	490061.24, 3859766.13	1.74E-02	5.50E-06	2.34E-06	1.78E-02	5.62E-06	2.38E-06	1.78E-02	5.61E-06	2.38E-06
1037	490111.24, 3859766.13	1.92E-02	6.07E-06	2.57E-06	1.96E-02	6.19E-06	2.63E-06	1.96E-02	6.18E-06	2.62E-06
1038	490161.24, 3859766.13	2.13E-02	6.72E-06	2.85E-06	2.17E-02	6.85E-06	2.91E-06	2.17E-02	6.85E-06	2.90E-06
1039	490211.24, 3859766.13	2.39E-02	7.53E-06	3.20E-06	2.43E-02	7.68E-06	3.26E-06	2.43E-02	7.68E-06	3.26E-06
1040	490061.24, 3859816.13	1.44E-02	4.53E-06	1.92E-06	1.47E-02	4.63E-06	1.96E-06	1.46E-02	4.62E-06	1.96E-06
1041	490111.24, 3859816.13	1.55E-02	4.89E-06	2.08E-06	1.58E-02	4.99E-06	2.12E-06	1.58E-02	4.99E-06	2.12E-06
1042	490161.24, 3859816.13	1.68E-02	5.31E-06	2.25E-06	1.72E-02	5.42E-06	2.30E-06	1.71E-02	5.41E-06	2.30E-06
1043	490211.24, 3859816.13	1.83E-02	5.79E-06	2.46E-06	1.87E-02	5.90E-06	2.51E-06	1.87E-02	5.90E-06	2.50E-06
1044	490061.24, 3859866.13	1.22E-02	3.85E-06	1.63E-06	1.24E-02	3.93E-06	1.67E-06	1.24E-02	3.92E-06	1.66E-06
1045	490111.24, 3859866.13	1.30E-02	4.11E-06	1.74E-06	1.33E-02	4.19E-06	1.78E-06	1.33E-02	4.19E-06	1.78E-06
1046	490161.24, 3859866.13	1.40E-02	4.41E-06	1.87E-06	1.42E-02	4.50E-06	1.91E-06	1.42E-02	4.49E-06	1.91E-06

1047	490211.24, 3859866.13	1.50E-02	4.74E-06	2.01E-06	1.53E-02	4.83E-06	2.05E-06	1.53E-02	4.83E-06	2.05E-06
1048	490061.24, 3859916.13	1.06E-02	3.33E-06	1.41E-06	1.08E-02	3.40E-06	1.44E-06	1.08E-02	3.40E-06	1.44E-06
1049	490111.24, 3859916.13	1.12E-02	3.54E-06	1.50E-06	1.14E-02	3.61E-06	1.53E-06	1.14E-02	3.61E-06	1.53E-06
1050	490161.24, 3859916.13	1.19E-02	3.76E-06	1.59E-06	1.21E-02	3.83E-06	1.63E-06	1.21E-02	3.83E-06	1.62E-06
1051	490211.24, 3859916.13	1.26E-02	3.99E-06	1.69E-06	1.29E-02	4.07E-06	1.73E-06	1.29E-02	4.07E-06	1.73E-06
1052	490229.25, 3859815.26	1.91E-02	6.03E-06	2.56E-06	1.95E-02	6.15E-06	2.61E-06	1.95E-02	6.14E-06	2.61E-06
1053	490279.25, 3859815.26	2.10E-02	6.61E-06	2.81E-06	2.14E-02	6.75E-06	2.86E-06	2.14E-02	6.74E-06	2.86E-06
1054	490329.25, 3859815.26	2.32E-02	7.32E-06	3.10E-06	2.37E-02	7.47E-06	3.17E-06	2.36E-02	7.46E-06	3.16E-06
1055	490379.25, 3859815.26	2.64E-02	8.32E-06	3.53E-06	2.69E-02	8.49E-06	3.60E-06	2.69E-02	8.48E-06	3.60E-06
1056	490429.25, 3859815.26	3.10E-02	9.77E-06	4.15E-06	3.16E-02	9.97E-06	4.23E-06	3.15E-02	9.96E-06	4.22E-06
1057	490229.25, 3859865.26	1.55E-02	4.88E-06	2.07E-06	1.58E-02	4.98E-06	2.11E-06	1.58E-02	4.98E-06	2.11E-06
1058	490279.25, 3859865.26	1.67E-02	5.26E-06	2.23E-06	1.70E-02	5.37E-06	2.28E-06	1.70E-02	5.36E-06	2.27E-06
1059	490329.25, 3859865.26	1.80E-02	5.69E-06	2.41E-06	1.84E-02	5.80E-06	2.46E-06	1.84E-02	5.79E-06	2.46E-06
1060	490379.25, 3859865.26	1.97E-02	6.22E-06	2.64E-06	2.01E-02	6.35E-06	2.69E-06	2.01E-02	6.34E-06	2.69E-06
1061	490429.25, 3859865.26	2.19E-02	6.91E-06	2.93E-06	2.23E-02	7.05E-06	2.99E-06	2.23E-02	7.04E-06	2.99E-06
1062	490229.25, 3859915.26	1.30E-02	4.10E-06	1.74E-06	1.32E-02	4.18E-06	1.77E-06	1.32E-02	4.18E-06	1.77E-06
1063	490279.25, 3859915.26	1.38E-02	4.35E-06	1.85E-06	1.41E-02	4.44E-06	1.88E-06	1.40E-02	4.43E-06	1.88E-06
1064	490329.25, 3859915.26	1.47E-02	4.65E-06	1.97E-06	1.50E-02	4.74E-06	2.01E-06	1.50E-02	4.74E-06	2.01E-06
1065	490379.25, 3859915.26	1.58E-02	5.00E-06	2.12E-06	1.62E-02	5.10E-06	2.16E-06	1.61E-02	5.09E-06	2.16E-06
1066	490429.25, 3859915.26	1.71E-02	5.39E-06	2.29E-06	1.74E-02	5.50E-06	2.33E-06	1.74E-02	5.49E-06	2.33E-06
1067	490451.43, 3859872.59	2.20E-02	6.94E-06	2.94E-06	2.24E-02	7.08E-06	3.00E-06	2.24E-02	7.07E-06	3.00E-06
1068	490501.43, 3859872.59	2.50E-02	7.88E-06	3.34E-06	2.55E-02	8.04E-06	3.41E-06	2.54E-02	8.03E-06	3.41E-06
1069	490551.43, 3859872.59	2.93E-02	9.26E-06	3.93E-06	2.99E-02	9.45E-06	4.01E-06	2.99E-02	9.43E-06	4.00E-06
1070	490601.43, 3859872.59	3.53E-02	1.11E-05	4.73E-06	3.60E-02	1.14E-05	4.82E-06	3.60E-02	1.14E-05	4.82E-06
1071	490451.43, 3859922.59	1.72E-02	5.42E-06	2.30E-06	1.75E-02	5.53E-06	2.35E-06	1.75E-02	5.52E-06	2.34E-06
1072	490501.43, 3859922.59	1.88E-02	5.93E-06	2.52E-06	1.92E-02	6.05E-06	2.57E-06	1.92E-02	6.05E-06	2.57E-06
1073	490551.43, 3859922.59	2.11E-02	6.65E-06	2.82E-06	2.15E-02	6.78E-06	2.88E-06	2.15E-02	6.78E-06	2.87E-06
1074	490601.43, 3859922.59	2.41E-02	7.59E-06	3.22E-06	2.46E-02	7.75E-06	3.29E-06	2.45E-02	7.74E-06	3.28E-06
1075	482129.67, 3852241.07	3.62E-02	1.14E-05	4.85E-06	3.69E-02	1.17E-05	4.94E-06	3.69E-02	1.16E-05	4.94E-06
1076	482029.67, 3852291.07	5.89E-02	1.86E-05	7.88E-06	6.01E-02	1.90E-05	8.04E-06	6.00E-02	1.89E-05	8.04E-06
1077	482079.67, 3852291.07	4.84E-02	1.53E-05	6.48E-06	4.94E-02	1.56E-05	6.61E-06	4.93E-02	1.56E-05	6.61E-06
1078	482129.67, 3852291.07	4.11E-02	1.30E-05	5.50E-06	4.19E-02	1.32E-05	5.62E-06	4.19E-02	1.32E-05	5.61E-06
1079	482179.67, 3852291.07	3.54E-02	1.12E-05	4.74E-06	3.61E-02	1.14E-05	4.84E-06	3.61E-02	1.14E-05	4.83E-06
1080	482229.67, 3852291.07	3.05E-02	9.61E-06	4.08E-06	3.11E-02	9.81E-06	4.16E-06	3.10E-02	9.80E-06	4.16E-06
1081	482029.67, 3852341.07	7.40E-02	2.34E-05	9.91E-06	7.55E-02	2.38E-05	1.01E-05	7.55E-02	2.38E-05	1.01E-05
1082	482079.67, 3852341.07	5.83E-02	1.84E-05	7.81E-06	5.95E-02	1.88E-05	7.97E-06	5.94E-02	1.88E-05	7.96E-06
1083	482129.67, 3852341.07	4.80E-02	1.51E-05	6.42E-06	4.90E-02	1.54E-05	6.56E-06	4.89E-02	1.54E-05	6.55E-06
1084	482179.67, 3852341.07	4.06E-02	1.28E-05	5.44E-06	4.15E-02	1.31E-05	5.55E-06	4.14E-02	1.31E-05	5.55E-06
1085	482259.06, 3852400.14	3.85E-02	1.21E-05	5.15E-06	3.93E-02	1.24E-05	5.26E-06	3.92E-02	1.24E-05	5.25E-06
1086	482309.06, 3852400.14	3.29E-02	1.04E-05	4.41E-06	3.36E-02	1.06E-05	4.50E-06	3.35E-02	1.06E-05	4.49E-06
1087	482209.06, 3852450.14	5.20E-02	1.64E-05	6.97E-06	5.31E-02	1.68E-05	7.11E-06	5.30E-02	1.67E-05	7.10E-06
1088	482259.06, 3852450.14	4.42E-02	1.39E-05	5.91E-06	4.51E-02	1.42E-05	6.03E-06	4.50E-02	1.42E-05	6.03E-06
1089	482309.06, 3852450.14	3.79E-02	1.19E-05	5.07E-06	3.86E-02	1.22E-05	5.17E-06	3.86E-02	1.22E-05	5.17E-06
1090	482209.06, 3852500.14	6.30E-02	1.99E-05	8.44E-06	6.43E-02	2.03E-05	8.61E-06	6.42E-02	2.03E-05	8.60E-06
1091	482259.06, 3852500.14	5.21E-02	1.65E-05	6.98E-06	5.32E-02	1.68E-05	7.12E-06	5.31E-02	1.68E-05	7.11E-06
1092	482309.06, 3852500.14	4.37E-02	1.38E-05	5.85E-06	4.46E-02	1.41E-05	5.97E-06	4.45E-02	1.41E-05	5.97E-06
1093	482283.91, 3852513.62	4.99E-02	1.58E-05	6.69E-06	5.10E-02	1.61E-05	6.82E-06	5.09E-02	1.61E-05	6.82E-06
1094	482333.91, 3852513.62	4.21E-02	1.33E-05	5.64E-06	4.30E-02	1.36E-05	5.75E-06	4.29E-02	1.35E-05	5.74E-06
1095	482283.91, 3852563.62	5.98E-02	1.89E-05	8.00E-06	6.10E-02	1.93E-05	8.17E-06	6.09E-02	1.92E-05	8.16E-06
1096	482333.91, 3852563.62	4.95E-02	1.56E-05	6.63E-06	5.05E-02	1.59E-05	6.76E-06	5.04E-02	1.59E-05	6.76E-06
1097	482383.91, 3852563.62	4.19E-02	1.32E-05	5.61E-06	4.28E-02	1.35E-05	5.73E-06	4.27E-02	1.35E-05	5.72E-06
1098	482283.91, 3852613.62	7.70E-02	2.43E-05	1.03E-05	7.85E-02	2.48E-05	1.05E-05	7.84E-02	2.48E-05	1.05E-05
1099	482333.91, 3852613.62	5.97E-02	1.88E-05	7.99E-06	6.09E-02	1.92E-05	8.15E-06	6.08E-02	1.92E-05	8.14E-06
1100	482383.91, 3852613.62	4.89E-02	1.54E-05	6.55E-06	4.99E-02	1.58E-05	6.69E-06	4.99E-02	1.57E-05	6.68E-06
1101	482602.38, 3852600.87	2.54E-02	8.03E-06	3.41E-06	2.60E-02	8.20E-06	3.48E-06	2.59E-02	8.19E-06	3.47E-06
1102	482652.38, 3852600.87	2.32E-02	7.32E-06	3.11E-06	2.37E-02	7.47E-06	3.17E-06	2.36E-02	7.46E-06	3.17E-06
1103	482702.38, 3852600.87	2.04E-02	6.45E-06	2.74E-06	2.09E-02	6.58E-06	2.79E-06	2.08E-02	6.57E-06	2.79E-06
1104	482552.38, 3852650.87	3.28E-02	1.03E-05	4.39E-06	3.35E-02	1.06E-05	4.48E-06	3.34E-02	1.05E-05	4.47E-06
1105	482602.38, 3852650.87	2.84E-02	8.96E-06	3.80E-06	2.90E-02	9.15E-06	3.88E-06	2.89E-02	9.14E-06	3.88E-06
1106	482652.38, 3852650.87	2.57E-02	8.11E-06	3.44E-06	2.62E-02	8.28E-06	3.51E-06	2.62E-02	8.27E-06	3.51E-06
1107	482702.38, 3852650.87	2.35E-02	7.41E-06	3.14E-06	2.40E-02	7.56E-06	3.21E-06	2.39E-02	7.55E-06	3.20E-06
1108	482552.38, 3852700.87	3.71E-02	1.17E-05	4.97E-06	3.79E-02	1.20E-05	5.07E-06	3.78E-02	1.19E-05	5.07E-06
1109	482602.38, 3852700.87	3.27E-02	1.03E-05	4.38E-06	3.34E-02	1.05E-05	4.47E-06	3.34E-02	1.05E-05	4.47E-06
1110	482652.38, 3852700.87	2.96E-02	9.35E-06	3.97E-06	3.02E-02	9.54E-06	4.05E-06	3.02E-02	9.53E-06	4.04E-06
1111	482702.38, 3852700.87	2.66E-02	8.41E-06	3.57E-06	2.72E-02	8.58E-06	3.64E-06	2.72E-02	8.57E-06	3.64E-06
1112	482452.38, 3852750.87	6.41E-02	2.02E-05	8.59E-06	6.54E-02	2.07E-05	8.76E-06	6.54E-02	2.06E-05	8.75E-06
1113	482521.29, 3852749.74	4.77E-02	1.50E-05	6.38E-06	4.86E-02	1.54E-05	6.51E-06	4.86E-02	1.53E-05	6.51E-06
1114	482571.29, 3852749.74	4.04E-02	1.27E-05	5.41E-06	4.12E-02	1.30E-05	5.52E-06	4.12E-02	1.30E-05	5.51E-06
1115	482521.29, 3852799.74	5.77E-02	1.82E-05	7.73E-06	5.89E-02	1.86E-05	7.88E-06	5.88E-02	1.86E-05	7.87E-06
1116	482571.29, 3852799.74	4.73E-02	1.49E-05	6.33E-06	4.83E-02	1.52E-05	6.46E-06	4.82E-02	1.52E-05	6.45E-06

1117	482621.29, 3852799.74	4.01E-02	1.27E-05	5.37E-06	4.09E-02	1.29E-05	5.48E-06	4.09E-02	1.29E-05	5.48E-06
1118	482571.29, 3852849.74	5.70E-02	1.80E-05	7.63E-06	5.81E-02	1.83E-05	7.78E-06	5.80E-02	1.83E-05	7.77E-06
1119	482621.29, 3852849.74	4.67E-02	1.47E-05	6.26E-06	4.77E-02	1.50E-05	6.38E-06	4.76E-02	1.50E-05	6.38E-06
1120	482577.42, 3852901.55	7.00E-02	2.21E-05	9.38E-06	7.15E-02	2.26E-05	9.57E-06	7.14E-02	2.25E-05	9.56E-06
1121	482627.42, 3852901.55	5.51E-02	1.74E-05	7.37E-06	5.62E-02	1.77E-05	7.52E-06	5.61E-02	1.77E-05	7.51E-06
1122	482629.96, 3852955.85	6.83E-02	2.15E-05	9.14E-06	6.96E-02	2.20E-05	9.33E-06	6.96E-02	2.20E-05	9.32E-06
1123	482679.96, 3852955.85	5.32E-02	1.68E-05	7.13E-06	5.43E-02	1.71E-05	7.28E-06	5.43E-02	1.71E-05	7.27E-06
1124	482781.63, 3853034.48	4.31E-02	1.36E-05	5.77E-06	4.40E-02	1.39E-05	5.89E-06	4.40E-02	1.39E-05	5.89E-06
1125	482831.63, 3853034.48	3.60E-02	1.14E-05	4.82E-06	3.67E-02	1.16E-05	4.92E-06	3.67E-02	1.16E-05	4.92E-06
1126	482881.63, 3853034.48	3.07E-02	9.68E-06	4.11E-06	3.13E-02	9.88E-06	4.19E-06	3.13E-02	9.87E-06	4.19E-06
1127	482781.63, 3853084.48	4.75E-02	1.50E-05	6.36E-06	4.85E-02	1.53E-05	6.49E-06	4.84E-02	1.53E-05	6.48E-06
1128	482831.63, 3853084.48	3.90E-02	1.23E-05	5.22E-06	3.98E-02	1.26E-05	5.33E-06	3.97E-02	1.25E-05	5.32E-06
1129	482881.63, 3853084.48	3.31E-02	1.04E-05	4.43E-06	3.38E-02	1.07E-05	4.52E-06	3.37E-02	1.06E-05	4.52E-06
1130	482781.63, 3853134.48	5.31E-02	1.68E-05	7.11E-06	5.42E-02	1.71E-05	7.25E-06	5.41E-02	1.71E-05	7.25E-06
1131	482831.63, 3853134.48	4.26E-02	1.34E-05	5.70E-06	4.34E-02	1.37E-05	5.82E-06	4.34E-02	1.37E-05	5.81E-06
1132	482881.63, 3853134.48	3.58E-02	1.13E-05	4.80E-06	3.65E-02	1.15E-05	4.89E-06	3.65E-02	1.15E-05	4.89E-06
1133	482831.63, 3853184.48	4.72E-02	1.49E-05	6.32E-06	4.82E-02	1.52E-05	6.45E-06	4.81E-02	1.52E-05	6.44E-06
1134	482881.63, 3853184.48	3.88E-02	1.22E-05	5.19E-06	3.95E-02	1.25E-05	5.30E-06	3.95E-02	1.25E-05	5.29E-06
1135	484154.84, 3854250.98	1.91E-03	6.02E-07	2.55E-07	1.95E-03	6.14E-07	2.61E-07	1.94E-03	6.13E-07	2.60E-07
1136	484204.84, 3854250.98	1.89E-03	5.96E-07	2.53E-07	1.93E-03	6.08E-07	2.58E-07	1.92E-03	6.07E-07	2.58E-07
1137	484154.84, 3854300.98	1.80E-03	5.69E-07	2.41E-07	1.84E-03	5.80E-07	2.46E-07	1.84E-03	5.79E-07	2.46E-07
1138	484204.84, 3854300.98	1.80E-03	5.67E-07	2.40E-07	1.83E-03	5.78E-07	2.45E-07	1.83E-03	5.77E-07	2.45E-07
1139	484074.19, 3854519.8	1.51E-03	4.76E-07	2.02E-07	1.54E-03	4.86E-07	2.06E-07	1.54E-03	4.85E-07	2.06E-07
1140	484124.19, 3854519.8	1.50E-03	4.72E-07	2.00E-07	1.53E-03	4.82E-07	2.04E-07	1.52E-03	4.81E-07	2.04E-07
1141	484074.19, 3854569.8	1.45E-03	4.58E-07	1.94E-07	1.48E-03	4.67E-07	1.98E-07	1.48E-03	4.67E-07	1.98E-07
1142	484124.19, 3854569.8	1.43E-03	4.51E-07	1.91E-07	1.46E-03	4.60E-07	1.95E-07	1.46E-03	4.60E-07	1.95E-07
1143	485205.11, 3855188.89	1.21E-03	3.81E-07	1.62E-07	1.23E-03	3.89E-07	1.65E-07	1.23E-03	3.89E-07	1.65E-07
1144	485255.11, 3855188.89	1.19E-03	3.76E-07	1.60E-07	1.22E-03	3.84E-07	1.63E-07	1.21E-03	3.83E-07	1.63E-07
1145	485205.11, 3855238.89	1.19E-03	3.75E-07	1.59E-07	1.21E-03	3.83E-07	1.62E-07	1.21E-03	3.82E-07	1.62E-07
1146	485255.11, 3855238.89	1.18E-03	3.73E-07	1.58E-07	1.20E-03	3.80E-07	1.61E-07	1.20E-03	3.80E-07	1.61E-07
1147	485205.11, 3855288.89	1.19E-03	3.76E-07	1.60E-07	1.22E-03	3.84E-07	1.63E-07	1.21E-03	3.83E-07	1.63E-07
1148	485255.11, 3855288.89	1.18E-03	3.73E-07	1.58E-07	1.20E-03	3.80E-07	1.61E-07	1.20E-03	3.80E-07	1.61E-07
1149	485255.11, 3855338.89	1.18E-03	3.72E-07	1.58E-07	1.20E-03	3.79E-07	1.61E-07	1.20E-03	3.79E-07	1.61E-07
1150	485305.11, 3855338.89	1.17E-03	3.69E-07	1.56E-07	1.19E-03	3.76E-07	1.60E-07	1.19E-03	3.76E-07	1.59E-07
1151	485852.5, 3855635.28	1.05E-03	3.33E-07	1.41E-07	1.08E-03	3.39E-07	1.44E-07	1.07E-03	3.39E-07	1.44E-07
1152	485902.5, 3855635.28	1.04E-03	3.29E-07	1.40E-07	1.07E-03	3.36E-07	1.43E-07	1.06E-03	3.36E-07	1.42E-07
1153	485852.5, 3855685.28	1.05E-03	3.30E-07	1.40E-07	1.07E-03	3.37E-07	1.43E-07	1.07E-03	3.37E-07	1.43E-07
1154	485902.5, 3855685.28	1.04E-03	3.27E-07	1.39E-07	1.06E-03	3.34E-07	1.42E-07	1.06E-03	3.33E-07	1.41E-07
1155	485852.5, 3855735.28	1.04E-03	3.28E-07	1.39E-07	1.06E-03	3.35E-07	1.42E-07	1.06E-03	3.34E-07	1.42E-07
1156	485902.5, 3855735.28	1.03E-03	3.26E-07	1.38E-07	1.05E-03	3.32E-07	1.41E-07	1.05E-03	3.32E-07	1.41E-07
1157	485852.5, 3855785.28	1.03E-03	3.26E-07	1.38E-07	1.05E-03	3.33E-07	1.41E-07	1.05E-03	3.32E-07	1.41E-07
1158	485902.5, 3855785.28	1.02E-03	3.23E-07	1.37E-07	1.05E-03	3.30E-07	1.40E-07	1.04E-03	3.30E-07	1.40E-07
1159	486809.46, 3856465.28	8.94E-04	2.82E-07	1.20E-07	9.12E-04	2.88E-07	1.22E-07	9.11E-04	2.87E-07	1.22E-07
1160	486859.46, 3856465.28	8.92E-04	2.82E-07	1.19E-07	9.10E-04	2.87E-07	1.22E-07	9.09E-04	2.87E-07	1.22E-07
1161	486909.46, 3856465.28	8.89E-04	2.81E-07	1.19E-07	9.07E-04	2.86E-07	1.21E-07	9.06E-04	2.86E-07	1.21E-07
1162	486809.46, 3856515.28	8.95E-04	2.82E-07	1.20E-07	9.13E-04	2.88E-07	1.22E-07	9.12E-04	2.88E-07	1.22E-07
1163	486859.46, 3856515.28	8.94E-04	2.82E-07	1.20E-07	9.13E-04	2.88E-07	1.22E-07	9.11E-04	2.88E-07	1.22E-07
1164	486909.46, 3856515.28	8.93E-04	2.82E-07	1.20E-07	9.11E-04	2.87E-07	1.22E-07	9.10E-04	2.87E-07	1.22E-07
1165	486980.94, 3856357.95	8.85E-04	2.79E-07	1.19E-07	9.03E-04	2.85E-07	1.21E-07	9.02E-04	2.85E-07	1.21E-07
1166	487030.94, 3856357.95	8.85E-04	2.79E-07	1.18E-07	9.03E-04	2.85E-07	1.21E-07	9.02E-04	2.85E-07	1.21E-07
1167	486980.94, 3856407.95	8.86E-04	2.80E-07	1.19E-07	9.04E-04	2.85E-07	1.21E-07	9.03E-04	2.85E-07	1.21E-07
1168	487030.94, 3856407.95	8.84E-04	2.79E-07	1.18E-07	9.02E-04	2.85E-07	1.21E-07	9.01E-04	2.84E-07	1.21E-07
1169	487447.18, 3856437.45	8.88E-04	2.80E-07	1.19E-07	9.06E-04	2.86E-07	1.21E-07	9.05E-04	2.86E-07	1.21E-07
1170	487497.18, 3856437.45	8.90E-04	2.81E-07	1.19E-07	9.08E-04	2.87E-07	1.22E-07	9.07E-04	2.86E-07	1.21E-07
1171	487547.18, 3856437.45	8.92E-04	2.82E-07	1.19E-07	9.10E-04	2.87E-07	1.22E-07	9.09E-04	2.87E-07	1.22E-07
1172	487447.18, 3856487.45	8.87E-04	2.80E-07	1.19E-07	9.05E-04	2.86E-07	1.21E-07	9.04E-04	2.85E-07	1.21E-07
1173	487497.18, 3856487.45	8.88E-04	2.80E-07	1.19E-07	9.07E-04	2.86E-07	1.21E-07	9.05E-04	2.86E-07	1.21E-07
1174	487547.18, 3856487.45	8.91E-04	2.81E-07	1.19E-07	9.09E-04	2.87E-07	1.22E-07	9.08E-04	2.87E-07	1.22E-07
1175	487447.18, 3856537.45	8.86E-04	2.80E-07	1.19E-07	9.04E-04	2.85E-07	1.21E-07	9.03E-04	2.85E-07	1.21E-07
1176	487497.18, 3856537.45	8.88E-04	2.80E-07	1.19E-07	9.06E-04	2.86E-07	1.21E-07	9.05E-04	2.86E-07	1.21E-07
1177	487547.18, 3856537.45	8.90E-04	2.81E-07	1.19E-07	9.09E-04	2.87E-07	1.22E-07	9.08E-04	2.86E-07	1.22E-07
1178	489285.89, 3858826.54	1.16E-02	3.67E-06	1.56E-06	1.19E-02	3.74E-06	1.59E-06	1.18E-02	3.74E-06	1.59E-06
1179	489335.89, 3858826.54	1.13E-02	3.56E-06	1.51E-06	1.15E-02	3.63E-06	1.54E-06	1.15E-02	3.63E-06	1.54E-06
1180	489385.89, 3858826.54	1.09E-02	3.45E-06	1.46E-06	1.11E-02	3.52E-06	1.49E-06	1.11E-02	3.51E-06	1.49E-06
1181	489435.89, 3858826.54	1.06E-02	3.34E-06	1.42E-06	1.08E-02	3.41E-06	1.45E-06	1.08E-02	3.40E-06	1.44E-06
1182	489485.89, 3858826.54	1.03E-02	3.24E-06	1.37E-06	1.05E-02	3.30E-06	1.40E-06	1.04E-02	3.30E-06	1.40E-06
1183	489535.89, 3858826.54	9.93E-03	3.13E-06	1.33E-06	1.01E-02	3.20E-06	1.36E-06	1.01E-02	3.20E-06	1.36E-06
1184	489585.89, 3858826.54	9.63E-03	3.04E-06	1.29E-06	9.83E-03	3.10E-06	1.32E-06	9.82E-03	3.10E-06	1.31E-06
1185	489635.89, 3858826.54	9.34E-03	2.95E-06	1.25E-06	9.53E-03	3.01E-06	1.28E-06	9.52E-03	3.00E-06	1.27E-06
1186	489685.89, 3858826.54	9.06E-03	2.86E-06	1.21E-06	9.25E-03	2.92E-06	1.24E-06	9.23E-03	2.91E-06	1.24E-06

1187	489735.89, 3858826.54	8.80E-03	2.78E-06	1.18E-06	8.98E-03	2.83E-06	1.20E-06	8.97E-03	2.83E-06	1.20E-06
1188	489785.89, 3858826.54	8.57E-03	2.71E-06	1.15E-06	8.75E-03	2.76E-06	1.17E-06	8.74E-03	2.76E-06	1.17E-06
1189	489835.89, 3858826.54	8.33E-03	2.63E-06	1.12E-06	8.51E-03	2.68E-06	1.14E-06	8.50E-03	2.68E-06	1.14E-06
1190	489885.89, 3858826.54	8.14E-03	2.57E-06	1.09E-06	8.30E-03	2.62E-06	1.11E-06	8.29E-03	2.62E-06	1.11E-06
1191	489935.89, 3858826.54	7.93E-03	2.50E-06	1.06E-06	8.09E-03	2.55E-06	1.08E-06	8.08E-03	2.55E-06	1.08E-06
1192	489985.89, 3858826.54	7.72E-03	2.44E-06	1.03E-06	7.88E-03	2.49E-06	1.05E-06	7.87E-03	2.48E-06	1.05E-06
1193	490035.89, 3858826.54	7.43E-03	2.35E-06	9.96E-07	7.59E-03	2.39E-06	1.02E-06	7.58E-03	2.39E-06	1.01E-06
1194	489285.89, 3858876.54	1.66E-02	5.23E-06	2.22E-06	1.69E-02	5.33E-06	2.26E-06	1.69E-02	5.33E-06	2.26E-06
1195	489335.89, 3858876.54	1.55E-02	4.91E-06	2.08E-06	1.59E-02	5.01E-06	2.12E-06	1.58E-02	5.00E-06	2.12E-06
1196	489385.89, 3858876.54	1.47E-02	4.63E-06	1.96E-06	1.50E-02	4.72E-06	2.00E-06	1.49E-02	4.72E-06	2.00E-06
1197	489435.89, 3858876.54	1.39E-02	4.38E-06	1.86E-06	1.42E-02	4.47E-06	1.90E-06	1.41E-02	4.46E-06	1.89E-06
1198	489485.89, 3858876.54	1.32E-02	4.16E-06	1.77E-06	1.35E-02	4.25E-06	1.80E-06	1.34E-02	4.24E-06	1.80E-06
1199	489535.89, 3858876.54	1.26E-02	3.96E-06	1.68E-06	1.28E-02	4.05E-06	1.72E-06	1.28E-02	4.04E-06	1.71E-06
1200	489585.89, 3858876.54	1.20E-02	3.78E-06	1.60E-06	1.22E-02	3.86E-06	1.64E-06	1.22E-02	3.85E-06	1.64E-06
1201	489635.89, 3858876.54	1.15E-02	3.62E-06	1.54E-06	1.17E-02	3.70E-06	1.57E-06	1.17E-02	3.69E-06	1.57E-06
1202	489685.89, 3858876.54	1.10E-02	3.48E-06	1.48E-06	1.12E-02	3.55E-06	1.51E-06	1.12E-02	3.54E-06	1.50E-06
1203	489735.89, 3858876.54	1.06E-02	3.34E-06	1.42E-06	1.08E-02	3.41E-06	1.45E-06	1.08E-02	3.41E-06	1.45E-06
1204	489785.89, 3858876.54	1.02E-02	3.23E-06	1.37E-06	1.04E-02	3.29E-06	1.40E-06	1.04E-02	3.29E-06	1.40E-06
1205	489835.89, 3858876.54	9.87E-03	3.11E-06	1.32E-06	1.01E-02	3.18E-06	1.35E-06	1.01E-02	3.17E-06	1.35E-06
1206	489885.89, 3858876.54	9.57E-03	3.02E-06	1.28E-06	9.77E-03	3.08E-06	1.31E-06	9.76E-03	3.08E-06	1.31E-06
1207	489935.89, 3858876.54	9.26E-03	2.92E-06	1.24E-06	9.45E-03	2.98E-06	1.27E-06	9.44E-03	2.98E-06	1.26E-06
1208	489985.89, 3858876.54	8.94E-03	2.82E-06	1.20E-06	9.13E-03	2.88E-06	1.22E-06	9.12E-03	2.88E-06	1.22E-06
1209	490035.89, 3858876.54	8.59E-03	2.71E-06	1.15E-06	8.77E-03	2.77E-06	1.17E-06	8.76E-03	2.76E-06	1.17E-06
1210	489285.89, 3858926.54	2.32E-02	7.33E-06	3.11E-06	2.37E-02	7.48E-06	3.17E-06	2.37E-02	7.47E-06	3.17E-06
1211	489335.89, 3858926.54	2.11E-02	6.67E-06	2.83E-06	2.16E-02	6.81E-06	2.89E-06	2.15E-02	6.80E-06	2.88E-06
1212	489385.89, 3858926.54	1.94E-02	6.12E-06	2.60E-06	1.98E-02	6.25E-06	2.65E-06	1.98E-02	6.24E-06	2.65E-06
1213	489435.89, 3858926.54	1.80E-02	5.68E-06	2.41E-06	1.84E-02	5.79E-06	2.46E-06	1.83E-02	5.78E-06	2.45E-06
1214	489485.89, 3858926.54	1.68E-02	5.29E-06	2.25E-06	1.71E-02	5.40E-06	2.29E-06	1.71E-02	5.40E-06	2.29E-06
1215	489535.89, 3858926.54	1.57E-02	4.97E-06	2.11E-06	1.61E-02	5.07E-06	2.15E-06	1.60E-02	5.06E-06	2.15E-06
1216	489585.89, 3858926.54	1.48E-02	4.68E-06	1.98E-06	1.51E-02	4.77E-06	2.02E-06	1.51E-02	4.77E-06	2.02E-06
1217	489635.89, 3858926.54	1.40E-02	4.42E-06	1.88E-06	1.43E-02	4.52E-06	1.92E-06	1.43E-02	4.51E-06	1.91E-06
1218	489685.89, 3858926.54	1.33E-02	4.20E-06	1.78E-06	1.36E-02	4.28E-06	1.82E-06	1.36E-02	4.28E-06	1.82E-06
1219	489735.89, 3858926.54	1.27E-02	4.00E-06	1.70E-06	1.29E-02	4.09E-06	1.73E-06	1.29E-02	4.08E-06	1.73E-06
1220	489785.89, 3858926.54	1.21E-02	3.83E-06	1.62E-06	1.24E-02	3.91E-06	1.66E-06	1.24E-02	3.90E-06	1.66E-06
1221	489835.89, 3858926.54	1.16E-02	3.67E-06	1.56E-06	1.19E-02	3.74E-06	1.59E-06	1.18E-02	3.74E-06	1.59E-06
1222	489885.89, 3858926.54	1.12E-02	3.53E-06	1.50E-06	1.14E-02	3.60E-06	1.53E-06	1.14E-02	3.60E-06	1.53E-06
1223	489935.89, 3858926.54	1.08E-02	3.40E-06	1.44E-06	1.10E-02	3.46E-06	1.47E-06	1.10E-02	3.46E-06	1.47E-06
1224	489985.89, 3858926.54	1.03E-02	3.27E-06	1.39E-06	1.06E-02	3.33E-06	1.41E-06	1.05E-02	3.33E-06	1.41E-06
1225	490035.89, 3858926.54	9.82E-03	3.10E-06	1.32E-06	1.00E-02	3.16E-06	1.34E-06	1.00E-02	3.16E-06	1.34E-06
1226	489335.89, 3858976.54	2.83E-02	8.93E-06	3.79E-06	2.89E-02	9.11E-06	3.86E-06	2.88E-02	9.10E-06	3.86E-06
1227	489385.89, 3858976.54	2.54E-02	8.01E-06	3.40E-06	2.59E-02	8.17E-06	3.47E-06	2.59E-02	8.16E-06	3.46E-06
1228	489435.89, 3858976.54	2.31E-02	7.28E-06	3.09E-06	2.35E-02	7.43E-06	3.15E-06	2.35E-02	7.42E-06	3.15E-06
1229	489485.89, 3858976.54	2.11E-02	6.67E-06	2.83E-06	2.16E-02	6.81E-06	2.89E-06	2.16E-02	6.80E-06	2.89E-06
1230	489535.89, 3858976.54	1.95E-02	6.16E-06	2.62E-06	1.99E-02	6.29E-06	2.67E-06	1.99E-02	6.28E-06	2.67E-06
1231	489585.89, 3858976.54	1.82E-02	5.74E-06	2.44E-06	1.86E-02	5.86E-06	2.49E-06	1.85E-02	5.85E-06	2.48E-06
1232	489635.89, 3858976.54	1.70E-02	5.37E-06	2.28E-06	1.74E-02	5.48E-06	2.33E-06	1.74E-02	5.48E-06	2.32E-06
1233	489685.89, 3858976.54	1.60E-02	5.05E-06	2.14E-06	1.63E-02	5.15E-06	2.19E-06	1.63E-02	5.14E-06	2.18E-06
1234	489735.89, 3858976.54	1.51E-02	4.77E-06	2.02E-06	1.54E-02	4.87E-06	2.07E-06	1.54E-02	4.86E-06	2.06E-06
1235	489785.89, 3858976.54	1.43E-02	4.53E-06	1.92E-06	1.46E-02	4.62E-06	1.96E-06	1.46E-02	4.62E-06	1.96E-06
1236	489835.89, 3858976.54	1.37E-02	4.31E-06	1.83E-06	1.39E-02	4.40E-06	1.87E-06	1.39E-02	4.39E-06	1.86E-06
1237	489885.89, 3858976.54	1.30E-02	4.10E-06	1.74E-06	1.33E-02	4.19E-06	1.78E-06	1.32E-02	4.18E-06	1.77E-06
1238	489935.89, 3858976.54	1.24E-02	3.92E-06	1.66E-06	1.27E-02	4.00E-06	1.70E-06	1.27E-02	4.00E-06	1.70E-06
1239	489985.89, 3858976.54	1.19E-02	3.76E-06	1.59E-06	1.21E-02	3.83E-06	1.63E-06	1.21E-02	3.83E-06	1.62E-06
1240	490035.89, 3858976.54	1.11E-02	3.50E-06	1.48E-06	1.13E-02	3.57E-06	1.51E-06	1.13E-02	3.57E-06	1.51E-06
1241	489385.89, 3859026.54	3.30E-02	1.04E-05	4.43E-06	3.37E-02	1.06E-05	4.52E-06	3.37E-02	1.06E-05	4.51E-06
1242	489435.89, 3859026.54	2.94E-02	9.29E-06	3.94E-06	3.00E-02	9.48E-06	4.02E-06	3.00E-02	9.46E-06	4.02E-06
1243	489485.89, 3859026.54	2.65E-02	8.37E-06	3.55E-06	2.71E-02	8.55E-06	3.63E-06	2.70E-02	8.53E-06	3.62E-06
1244	489535.89, 3859026.54	2.42E-02	7.63E-06	3.24E-06	2.47E-02	7.79E-06	3.31E-06	2.47E-02	7.78E-06	3.30E-06
1245	489585.89, 3859026.54	2.22E-02	7.01E-06	2.98E-06	2.27E-02	7.16E-06	3.04E-06	2.27E-02	7.15E-06	3.03E-06
1246	489635.89, 3859026.54	2.06E-02	6.50E-06	2.76E-06	2.10E-02	6.63E-06	2.81E-06	2.10E-02	6.63E-06	2.81E-06
1247	489685.89, 3859026.54	1.92E-02	6.06E-06	2.57E-06	1.96E-02	6.18E-06	2.62E-06	1.96E-02	6.18E-06	2.62E-06
1248	489735.89, 3859026.54	1.80E-02	5.68E-06	2.41E-06	1.84E-02	5.80E-06	2.46E-06	1.83E-02	5.79E-06	2.46E-06
1249	489785.89, 3859026.54	1.69E-02	5.35E-06	2.27E-06	1.73E-02	5.46E-06	2.32E-06	1.73E-02	5.45E-06	2.31E-06
1250	489835.89, 3859026.54	1.60E-02	5.04E-06	2.14E-06	1.63E-02	5.14E-06	2.18E-06	1.63E-02	5.14E-06	2.18E-06
1251	489885.89, 3859026.54	1.51E-02	4.77E-06	2.02E-06	1.54E-02	4.87E-06	2.07E-06	1.54E-02	4.86E-06	2.06E-06
1252	489935.89, 3859026.54	1.43E-02	4.53E-06	1.92E-06	1.46E-02	4.62E-06	1.96E-06	1.46E-02	4.61E-06	1.96E-06
1253	489985.89, 3859026.54	1.36E-02	4.30E-06	1.83E-06	1.39E-02	4.39E-06	1.86E-06	1.39E-02	4.39E-06	1.86E-06
1254	490035.89, 3859026.54	1.26E-02	3.97E-06	1.68E-06	1.28E-02	4.05E-06	1.72E-06	1.28E-02	4.04E-06	1.71E-06
1255	489485.89, 3859076.54	3.36E-02	1.06E-05	4.49E-06	3.43E-02	1.08E-05	4.59E-06	3.42E-02	1.08E-05	4.58E-06
1256	489535.89, 3859076.54	3.01E-02	9.50E-06	4.03E-06	3.07E-02	9.70E-06	4.11E-06	3.07E-02	9.69E-06	4.11E-06

1257	489585.89, 3859076.54	2.73E-02	8.62E-06	3.66E-06	2.79E-02	8.79E-06	3.73E-06	2.78E-02	8.78E-06	3.73E-06
1258	489635.89, 3859076.54	2.50E-02	7.90E-06	3.35E-06	2.55E-02	8.06E-06	3.42E-06	2.55E-02	8.05E-06	3.42E-06
1259	489685.89, 3859076.54	2.31E-02	7.29E-06	3.09E-06	2.36E-02	7.44E-06	3.16E-06	2.35E-02	7.43E-06	3.15E-06
1260	489735.89, 3859076.54	2.15E-02	6.77E-06	2.87E-06	2.19E-02	6.91E-06	2.93E-06	2.19E-02	6.90E-06	2.93E-06
1261	489785.89, 3859076.54	2.00E-02	6.32E-06	2.68E-06	2.04E-02	6.45E-06	2.74E-06	2.04E-02	6.44E-06	2.73E-06
1262	489835.89, 3859076.54	1.88E-02	5.92E-06	2.51E-06	1.91E-02	6.04E-06	2.56E-06	1.91E-02	6.03E-06	2.56E-06
1263	489885.89, 3859076.54	1.76E-02	5.56E-06	2.36E-06	1.80E-02	5.68E-06	2.41E-06	1.80E-02	5.67E-06	2.41E-06
1264	489935.89, 3859076.54	1.66E-02	5.25E-06	2.23E-06	1.70E-02	5.36E-06	2.27E-06	1.70E-02	5.35E-06	2.27E-06
1265	489985.89, 3859076.54	1.57E-02	4.95E-06	2.10E-06	1.60E-02	5.05E-06	2.14E-06	1.60E-02	5.05E-06	2.14E-06
1266	490035.89, 3859076.54	1.44E-02	4.56E-06	1.93E-06	1.47E-02	4.65E-06	1.97E-06	1.47E-02	4.65E-06	1.97E-06
1267	489585.89, 3859126.54	3.41E-02	1.08E-05	4.57E-06	3.48E-02	1.10E-05	4.66E-06	3.48E-02	1.10E-05	4.66E-06
1268	489635.89, 3859126.54	3.08E-02	9.72E-06	4.12E-06	3.14E-02	9.91E-06	4.21E-06	3.14E-02	9.90E-06	4.20E-06
1269	489685.89, 3859126.54	2.80E-02	8.85E-06	3.75E-06	2.86E-02	9.03E-06	3.83E-06	2.86E-02	9.02E-06	3.83E-06
1270	489735.89, 3859126.54	2.57E-02	8.12E-06	3.45E-06	2.63E-02	8.29E-06	3.52E-06	2.62E-02	8.28E-06	3.51E-06
1271	489785.89, 3859126.54	2.38E-02	7.51E-06	3.19E-06	2.43E-02	7.66E-06	3.25E-06	2.43E-02	7.65E-06	3.25E-06
1272	489835.89, 3859126.54	2.21E-02	6.97E-06	2.96E-06	2.25E-02	7.12E-06	3.02E-06	2.25E-02	7.11E-06	3.02E-06
1273	489885.89, 3859126.54	2.06E-02	6.50E-06	2.76E-06	2.10E-02	6.63E-06	2.81E-06	2.10E-02	6.62E-06	2.81E-06
1274	489935.89, 3859126.54	1.93E-02	6.09E-06	2.58E-06	1.97E-02	6.22E-06	2.64E-06	1.97E-02	6.21E-06	2.63E-06
1275	489985.89, 3859126.54	1.80E-02	5.68E-06	2.41E-06	1.84E-02	5.79E-06	2.46E-06	1.83E-02	5.79E-06	2.46E-06
1276	490035.89, 3859126.54	1.67E-02	5.26E-06	2.23E-06	1.70E-02	5.36E-06	2.28E-06	1.70E-02	5.36E-06	2.27E-06
1277	489585.89, 3859176.54	4.39E-02	1.39E-05	5.89E-06	4.48E-02	1.42E-05	6.01E-06	4.48E-02	1.41E-05	6.00E-06
1278	489635.89, 3859176.54	3.87E-02	1.22E-05	5.18E-06	3.95E-02	1.25E-05	5.29E-06	3.95E-02	1.25E-05	5.28E-06
1279	489685.89, 3859176.54	3.46E-02	1.09E-05	4.63E-06	3.53E-02	1.11E-05	4.73E-06	3.53E-02	1.11E-05	4.72E-06
1280	489735.89, 3859176.54	3.13E-02	9.88E-06	4.19E-06	3.19E-02	1.01E-05	4.28E-06	3.19E-02	1.01E-05	4.27E-06
1281	489785.89, 3859176.54	2.85E-02	9.01E-06	3.82E-06	2.91E-02	9.19E-06	3.90E-06	2.91E-02	9.18E-06	3.90E-06
1282	489835.89, 3859176.54	2.62E-02	8.28E-06	3.51E-06	2.68E-02	8.45E-06	3.58E-06	2.67E-02	8.44E-06	3.58E-06
1283	489885.89, 3859176.54	2.42E-02	7.65E-06	3.24E-06	2.47E-02	7.80E-06	3.31E-06	2.47E-02	7.79E-06	3.31E-06
1284	489935.89, 3859176.54	2.25E-02	7.11E-06	3.02E-06	2.30E-02	7.25E-06	3.08E-06	2.29E-02	7.24E-06	3.07E-06
1285	489985.89, 3859176.54	2.08E-02	6.58E-06	2.79E-06	2.13E-02	6.71E-06	2.85E-06	2.12E-02	6.70E-06	2.84E-06
1286	490035.89, 3859176.54	1.95E-02	6.17E-06	2.62E-06	1.99E-02	6.29E-06	2.67E-06	1.99E-02	6.29E-06	2.67E-06
1287	489685.89, 3859226.54	4.40E-02	1.39E-05	5.90E-06	4.49E-02	1.42E-05	6.02E-06	4.49E-02	1.42E-05	6.01E-06
1288	489735.89, 3859226.54	3.89E-02	1.23E-05	5.21E-06	3.97E-02	1.25E-05	5.32E-06	3.97E-02	1.25E-05	5.31E-06
1289	489785.89, 3859226.54	3.49E-02	1.10E-05	4.67E-06	3.56E-02	1.12E-05	4.77E-06	3.55E-02	1.12E-05	4.76E-06
1290	489835.89, 3859226.54	3.15E-02	9.95E-06	4.22E-06	3.22E-02	1.02E-05	4.31E-06	3.21E-02	1.01E-05	4.30E-06
1291	489885.89, 3859226.54	2.88E-02	9.09E-06	3.86E-06	2.94E-02	9.27E-06	3.93E-06	2.93E-02	9.26E-06	3.93E-06
1292	489935.89, 3859226.54	2.65E-02	8.35E-06	3.54E-06	2.70E-02	8.52E-06	3.62E-06	2.70E-02	8.51E-06	3.61E-06
1293	489985.89, 3859226.54	2.42E-02	7.63E-06	3.24E-06	2.47E-02	7.78E-06	3.30E-06	2.46E-02	7.77E-06	3.30E-06
1294	490035.89, 3859226.54	2.25E-02	7.11E-06	3.02E-06	2.30E-02	7.26E-06	3.08E-06	2.30E-02	7.25E-06	3.08E-06
1295	489735.89, 3859276.54	5.04E-02	1.59E-05	6.75E-06	5.15E-02	1.62E-05	6.89E-06	5.14E-02	1.62E-05	6.88E-06
1296	489785.89, 3859276.54	4.39E-02	1.39E-05	5.88E-06	4.48E-02	1.41E-05	6.00E-06	4.48E-02	1.41E-05	6.00E-06
1297	489835.89, 3859276.54	3.89E-02	1.23E-05	5.20E-06	3.96E-02	1.25E-05	5.31E-06	3.96E-02	1.25E-05	5.30E-06
1298	489885.89, 3859276.54	3.49E-02	1.10E-05	4.67E-06	3.56E-02	1.12E-05	4.77E-06	3.55E-02	1.12E-05	4.76E-06
1299	489935.89, 3859276.54	3.16E-02	9.96E-06	4.23E-06	3.22E-02	1.02E-05	4.31E-06	3.22E-02	1.02E-05	4.31E-06
1300	489985.89, 3859276.54	2.83E-02	8.94E-06	3.79E-06	2.89E-02	9.13E-06	3.87E-06	2.89E-02	9.12E-06	3.87E-06
1301	490035.89, 3859276.54	2.64E-02	8.33E-06	3.54E-06	2.69E-02	8.50E-06	3.61E-06	2.69E-02	8.49E-06	3.60E-06
1302	490458.06, 3859590.74	4.46E-02	1.41E-05	5.98E-06	4.55E-02	1.44E-05	6.10E-06	4.55E-02	1.44E-05	6.09E-06
1303	490508.06, 3859590.74	3.99E-02	1.26E-05	5.34E-06	4.07E-02	1.28E-05	5.45E-06	4.07E-02	1.28E-05	5.44E-06
1304	490558.06, 3859590.74	3.54E-02	1.12E-05	4.74E-06	3.61E-02	1.14E-05	4.84E-06	3.61E-02	1.14E-05	4.83E-06
1305	490608.06, 3859590.74	3.19E-02	1.01E-05	4.27E-06	3.25E-02	1.03E-05	4.35E-06	3.25E-02	1.02E-05	4.35E-06
1306	490658.06, 3859590.74	2.88E-02	9.10E-06	3.86E-06	2.94E-02	9.28E-06	3.94E-06	2.94E-02	9.27E-06	3.93E-06
1307	490708.06, 3859590.74	2.62E-02	8.27E-06	3.51E-06	2.68E-02	8.44E-06	3.58E-06	2.67E-02	8.43E-06	3.58E-06
1308	490758.06, 3859590.74	2.38E-02	7.51E-06	3.19E-06	2.43E-02	7.66E-06	3.25E-06	2.42E-02	7.65E-06	3.25E-06
1309	490808.06, 3859590.74	2.19E-02	6.92E-06	2.94E-06	2.24E-02	7.06E-06	2.99E-06	2.23E-02	7.05E-06	2.99E-06
1310	490858.06, 3859590.74	2.02E-02	6.37E-06	2.70E-06	2.06E-02	6.50E-06	2.76E-06	2.06E-02	6.49E-06	2.75E-06
1311	490458.06, 3859640.74	6.23E-02	1.97E-05	8.35E-06	6.36E-02	2.01E-05	8.52E-06	6.35E-02	2.01E-05	8.51E-06
1312	490508.06, 3859640.74	5.41E-02	1.71E-05	7.24E-06	5.52E-02	1.74E-05	7.39E-06	5.51E-02	1.74E-05	7.38E-06
1313	490558.06, 3859640.74	4.74E-02	1.50E-05	6.35E-06	4.84E-02	1.53E-05	6.48E-06	4.83E-02	1.53E-05	6.47E-06
1314	490608.06, 3859640.74	4.14E-02	1.31E-05	5.55E-06	4.23E-02	1.33E-05	5.66E-06	4.22E-02	1.33E-05	5.65E-06
1315	490658.06, 3859640.74	3.61E-02	1.14E-05	4.83E-06	3.68E-02	1.16E-05	4.93E-06	3.68E-02	1.16E-05	4.93E-06
1316	490708.06, 3859640.74	3.23E-02	1.02E-05	4.32E-06	3.29E-02	1.04E-05	4.41E-06	3.29E-02	1.04E-05	4.40E-06
1317	490758.06, 3859640.74	2.89E-02	9.13E-06	3.87E-06	2.95E-02	9.31E-06	3.95E-06	2.95E-02	9.30E-06	3.95E-06
1318	490808.06, 3859640.74	2.65E-02	8.37E-06	3.55E-06	2.70E-02	8.54E-06	3.62E-06	2.70E-02	8.53E-06	3.62E-06
1319	490858.06, 3859640.74	2.44E-02	7.71E-06	3.27E-06	2.49E-02	7.87E-06	3.34E-06	2.49E-02	7.86E-06	3.33E-06
1320	490608.06, 3859690.74	5.76E-02	1.82E-05	7.71E-06	5.88E-02	1.86E-05	7.87E-06	5.87E-02	1.85E-05	7.86E-06
1321	490658.06, 3859690.74	4.83E-02	1.53E-05	6.47E-06	4.93E-02	1.56E-05	6.60E-06	4.93E-02	1.55E-05	6.60E-06
1322	490708.06, 3859690.74	4.17E-02	1.32E-05	5.58E-06	4.26E-02	1.34E-05	5.70E-06	4.25E-02	1.34E-05	5.69E-06
1323	490758.06, 3859690.74	3.64E-02	1.15E-05	4.88E-06	3.72E-02	1.17E-05	4.98E-06	3.71E-02	1.17E-05	4.97E-06
1324	490808.06, 3859690.74	3.26E-02	1.03E-05	4.37E-06	3.33E-02	1.05E-05	4.46E-06	3.33E-02	1.05E-05	4.45E-06
1325	490858.06, 3859690.74	3.03E-02	9.55E-06	4.05E-06	3.09E-02	9.75E-06	4.14E-06	3.08E-02	9.74E-06	4.13E-06
1326	490708.06, 3859740.74	6.04E-02	1.91E-05	8.09E-06	6.16E-02	1.94E-05	8.25E-06	6.15E-02	1.94E-05	8.24E-06

1327	490758.06, 3859740.74	5.15E-02	1.63E-05	6.90E-06	5.26E-02	1.66E-05	7.04E-06	5.25E-02	1.66E-05	7.03E-06
1328	490808.06, 3859740.74	4.45E-02	1.40E-05	5.96E-06	4.54E-02	1.43E-05	6.08E-06	4.54E-02	1.43E-05	6.07E-06
1329	490858.06, 3859740.74	3.96E-02	1.25E-05	5.30E-06	4.04E-02	1.28E-05	5.41E-06	4.04E-02	1.27E-05	5.41E-06
1330	490786.56, 3859749.39	5.07E-02	1.60E-05	6.79E-06	5.18E-02	1.63E-05	6.93E-06	5.17E-02	1.63E-05	6.93E-06
1331	490836.56, 3859749.39	4.38E-02	1.38E-05	5.87E-06	4.47E-02	1.41E-05	5.99E-06	4.47E-02	1.41E-05	5.98E-06
1332	490786.56, 3859799.39	7.95E-02	2.51E-05	1.07E-05	8.12E-02	2.56E-05	1.09E-05	8.11E-02	2.56E-05	1.09E-05
1333	490836.56, 3859799.39	6.54E-02	2.06E-05	8.76E-06	6.67E-02	2.11E-05	8.93E-06	6.66E-02	2.10E-05	8.92E-06
1334	492307.84, 3854508.36	9.82E-04	3.10E-07	1.32E-07	1.00E-03	3.16E-07	1.34E-07	1.00E-03	3.16E-07	1.34E-07
1335	486445.7, 3854753.6	1.22E-03	3.86E-07	1.64E-07	1.25E-03	3.94E-07	1.67E-07	1.25E-03	3.94E-07	1.67E-07
1336	472599.75, 3877830.11	7.87E-05	2.48E-08	1.05E-08	8.03E-05	2.53E-08	1.08E-08	8.02E-05	2.53E-08	1.07E-08
1337	493107.48, 3866840.19	2.02E-04	6.38E-08	2.71E-08	2.06E-04	6.51E-08	2.76E-08	2.06E-04	6.50E-08	2.76E-08
1338	495815.8, 3861662.87	1.24E-03	3.93E-07	1.67E-07	1.27E-03	4.01E-07	1.70E-07	1.27E-03	4.00E-07	1.70E-07
1339	480272.33, 3841389.2	4.48E-05	1.41E-08	6.00E-09	4.57E-05	1.44E-08	6.12E-09	4.56E-05	1.44E-08	6.11E-09
1340	497005.18, 3862813.64	6.96E-04	2.20E-07	9.32E-08	7.10E-04	2.24E-07	9.51E-08	7.09E-04	2.24E-07	9.50E-08
1341	493677.33, 3860302.55	5.30E-03	1.67E-06	7.09E-07	5.40E-03	1.71E-06	7.24E-07	5.40E-03	1.70E-06	7.23E-07
1342	493727.33, 3860302.55	5.16E-03	1.63E-06	6.91E-07	5.26E-03	1.66E-06	7.05E-07	5.26E-03	1.66E-06	7.04E-07
1343	493777.33, 3860302.55	5.02E-03	1.59E-06	6.73E-07	5.13E-03	1.62E-06	6.86E-07	5.12E-03	1.62E-06	6.86E-07
1344	493827.33, 3860302.55	4.89E-03	1.54E-06	6.55E-07	4.99E-03	1.58E-06	6.69E-07	4.99E-03	1.57E-06	6.68E-07
1345	493877.33, 3860302.55	4.78E-03	1.51E-06	6.40E-07	4.88E-03	1.54E-06	6.53E-07	4.87E-03	1.54E-06	6.52E-07
1346	493927.33, 3860302.55	4.67E-03	1.47E-06	6.26E-07	4.77E-03	1.50E-06	6.38E-07	4.76E-03	1.50E-06	6.38E-07
1347	493977.33, 3860302.55	4.53E-03	1.43E-06	6.07E-07	4.63E-03	1.46E-06	6.19E-07	4.62E-03	1.46E-06	6.19E-07
1348	494027.33, 3860302.55	4.41E-03	1.39E-06	5.91E-07	4.51E-03	1.42E-06	6.03E-07	4.50E-03	1.42E-06	6.03E-07
1349	493677.33, 3860352.55	5.22E-03	1.65E-06	6.99E-07	5.33E-03	1.68E-06	7.13E-07	5.32E-03	1.68E-06	7.12E-07
1350	493727.33, 3860352.55	5.09E-03	1.61E-06	6.82E-07	5.19E-03	1.64E-06	6.95E-07	5.19E-03	1.64E-06	6.95E-07
1351	493777.33, 3860352.55	4.96E-03	1.57E-06	6.65E-07	5.07E-03	1.60E-06	6.78E-07	5.06E-03	1.60E-06	6.77E-07
1352	493827.33, 3860352.55	4.84E-03	1.53E-06	6.49E-07	4.94E-03	1.56E-06	6.62E-07	4.94E-03	1.56E-06	6.61E-07
1353	493877.33, 3860352.55	4.72E-03	1.49E-06	6.32E-07	4.82E-03	1.52E-06	6.45E-07	4.81E-03	1.52E-06	6.44E-07
1354	493927.33, 3860352.55	4.60E-03	1.45E-06	6.16E-07	4.70E-03	1.48E-06	6.29E-07	4.69E-03	1.48E-06	6.28E-07
1355	493977.33, 3860352.55	4.48E-03	1.41E-06	6.00E-07	4.57E-03	1.44E-06	6.12E-07	4.57E-03	1.44E-06	6.11E-07
1356	494027.33, 3860352.55	4.38E-03	1.38E-06	5.86E-07	4.47E-03	1.41E-06	5.98E-07	4.46E-03	1.41E-06	5.98E-07
1357	493677.33, 3860402.55	5.13E-03	1.62E-06	6.87E-07	5.24E-03	1.65E-06	7.01E-07	5.23E-03	1.65E-06	7.00E-07
1358	493727.33, 3860402.55	5.00E-03	1.58E-06	6.70E-07	5.10E-03	1.61E-06	6.84E-07	5.10E-03	1.61E-06	6.83E-07
1359	493777.33, 3860402.55	4.86E-03	1.53E-06	6.51E-07	4.96E-03	1.57E-06	6.65E-07	4.96E-03	1.56E-06	6.64E-07
1360	493827.33, 3860402.55	4.75E-03	1.50E-06	6.36E-07	4.85E-03	1.53E-06	6.49E-07	4.84E-03	1.53E-06	6.49E-07
1361	493877.33, 3860402.55	4.64E-03	1.46E-06	6.21E-07	4.73E-03	1.49E-06	6.34E-07	4.73E-03	1.49E-06	6.33E-07
1362	493927.33, 3860402.55	4.52E-03	1.43E-06	6.05E-07	4.61E-03	1.46E-06	6.18E-07	4.61E-03	1.45E-06	6.17E-07
1363	493977.33, 3860402.55	4.40E-03	1.39E-06	5.90E-07	4.49E-03	1.42E-06	6.02E-07	4.49E-03	1.42E-06	6.01E-07
1364	494027.33, 3860402.55	4.31E-03	1.36E-06	5.77E-07	4.40E-03	1.39E-06	5.89E-07	4.39E-03	1.39E-06	5.88E-07
1365	493677.33, 3860452.55	5.01E-03	1.58E-06	6.71E-07	5.11E-03	1.61E-06	6.84E-07	5.10E-03	1.61E-06	6.84E-07
1366	493727.33, 3860452.55	4.89E-03	1.54E-06	6.55E-07	4.99E-03	1.58E-06	6.69E-07	4.99E-03	1.57E-06	6.68E-07
1367	493777.33, 3860452.55	4.77E-03	1.51E-06	6.39E-07	4.87E-03	1.54E-06	6.52E-07	4.86E-03	1.54E-06	6.51E-07
1368	493827.33, 3860452.55	4.65E-03	1.47E-06	6.23E-07	4.75E-03	1.50E-06	6.36E-07	4.74E-03	1.50E-06	6.35E-07
1369	493877.33, 3860452.55	4.54E-03	1.43E-06	6.08E-07	4.63E-03	1.46E-06	6.20E-07	4.62E-03	1.46E-06	6.19E-07
1370	493927.33, 3860452.55	4.42E-03	1.39E-06	5.91E-07	4.51E-03	1.42E-06	6.04E-07	4.50E-03	1.42E-06	6.03E-07
1371	493977.33, 3860452.55	4.32E-03	1.36E-06	5.78E-07	4.41E-03	1.39E-06	5.90E-07	4.40E-03	1.39E-06	5.89E-07
1372	494027.33, 3860452.55	4.22E-03	1.33E-06	5.65E-07	4.31E-03	1.36E-06	5.77E-07	4.30E-03	1.36E-06	5.76E-07
1373	493677.33, 3860502.55	4.87E-03	1.54E-06	6.52E-07	4.97E-03	1.57E-06	6.65E-07	4.96E-03	1.57E-06	6.65E-07
1374	493727.33, 3860502.55	4.75E-03	1.50E-06	6.37E-07	4.85E-03	1.53E-06	6.50E-07	4.84E-03	1.53E-06	6.49E-07
1375	493777.33, 3860502.55	4.64E-03	1.46E-06	6.21E-07	4.73E-03	1.49E-06	6.34E-07	4.73E-03	1.49E-06	6.33E-07
1376	493827.33, 3860502.55	4.53E-03	1.43E-06	6.07E-07	4.62E-03	1.46E-06	6.19E-07	4.62E-03	1.46E-06	6.18E-07
1377	493877.33, 3860502.55	4.42E-03	1.40E-06	5.92E-07	4.51E-03	1.42E-06	6.04E-07	4.51E-03	1.42E-06	6.04E-07
1378	493927.33, 3860502.55	4.32E-03	1.36E-06	5.78E-07	4.40E-03	1.39E-06	5.90E-07	4.40E-03	1.39E-06	5.89E-07
1379	493977.33, 3860502.55	4.22E-03	1.33E-06	5.65E-07	4.31E-03	1.36E-06	5.77E-07	4.30E-03	1.36E-06	5.76E-07
1380	494027.33, 3860502.55	4.13E-03	1.30E-06	5.53E-07	4.21E-03	1.33E-06	5.64E-07	4.21E-03	1.33E-06	5.64E-07
1381	493627.33, 3860552.55	4.83E-03	1.52E-06	6.47E-07	4.93E-03	1.55E-06	6.60E-07	4.92E-03	1.55E-06	6.59E-07
1382	493677.33, 3860552.55	4.71E-03	1.49E-06	6.31E-07	4.81E-03	1.52E-06	6.44E-07	4.80E-03	1.52E-06	6.43E-07
1383	493727.33, 3860552.55	4.60E-03	1.45E-06	6.16E-07	4.69E-03	1.48E-06	6.28E-07	4.69E-03	1.48E-06	6.28E-07
1384	493777.33, 3860552.55	4.49E-03	1.42E-06	6.02E-07	4.58E-03	1.45E-06	6.14E-07	4.58E-03	1.45E-06	6.13E-07
1385	493827.33, 3860552.55	4.39E-03	1.39E-06	5.88E-07	4.48E-03	1.41E-06	6.00E-07	4.48E-03	1.41E-06	5.99E-07
1386	493877.33, 3860552.55	4.29E-03	1.36E-06	5.75E-07	4.38E-03	1.38E-06	5.87E-07	4.38E-03	1.38E-06	5.86E-07
1387	493927.33, 3860552.55	4.20E-03	1.33E-06	5.62E-07	4.28E-03	1.35E-06	5.74E-07	4.28E-03	1.35E-06	5.73E-07
1388	493977.33, 3860552.55	4.11E-03	1.30E-06	5.50E-07	4.19E-03	1.32E-06	5.61E-07	4.19E-03	1.32E-06	5.61E-07
1389	494027.33, 3860552.55	4.02E-03	1.27E-06	5.38E-07	4.10E-03	1.30E-06	5.49E-07	4.10E-03	1.29E-06	5.49E-07
1390	493627.33, 3860602.55	4.64E-03	1.47E-06	6.22E-07	4.74E-03	1.50E-06	6.35E-07	4.73E-03	1.49E-06	6.34E-07
1391	493727.33, 3860602.55	4.42E-03	1.39E-06	5.92E-07	4.51E-03	1.42E-06	6.04E-07	4.50E-03	1.42E-06	6.03E-07
1392	493777.33, 3860602.55	4.33E-03	1.37E-06	5.80E-07	4.42E-03	1.39E-06	5.91E-07	4.41E-03	1.39E-06	5.91E-07
1393	493827.33, 3860602.55	4.24E-03	1.34E-06	5.67E-07	4.32E-03	1.36E-06	5.79E-07	4.32E-03	1.36E-06	5.78E-07
1394	493877.33, 3860602.55	4.15E-03	1.31E-06	5.56E-07	4.24E-03	1.34E-06	5.67E-07	4.23E-03	1.34E-06	5.67E-07
1395	493927.33, 3860602.55	4.06E-03	1.28E-06	5.44E-07	4.15E-03	1.31E-06	5.55E-07	4.14E-03	1.31E-06	5.55E-07
1396	493977.33, 3860602.55	3.98E-03	1.26E-06	5.33E-07	4.06E-03	1.28E-06	5.44E-07	4.06E-03	1.28E-06	5.43E-07

1397	494027.33, 3860602.55	3.90E-03	1.23E-06	5.22E-07	3.98E-03	1.26E-06	5.33E-07	3.98E-03	1.25E-06	5.32E-07
1398	493627.33, 3860652.55	4.45E-03	1.40E-06	5.96E-07	4.54E-03	1.43E-06	6.08E-07	4.53E-03	1.43E-06	6.07E-07
1399	493727.33, 3860652.55	4.24E-03	1.34E-06	5.68E-07	4.32E-03	1.37E-06	5.79E-07	4.32E-03	1.36E-06	5.78E-07
1400	493777.33, 3860652.55	4.15E-03	1.31E-06	5.56E-07	4.24E-03	1.34E-06	5.67E-07	4.23E-03	1.34E-06	5.67E-07
1401	493827.33, 3860652.55	4.07E-03	1.29E-06	5.45E-07	4.16E-03	1.31E-06	5.57E-07	4.15E-03	1.31E-06	5.56E-07
1402	493877.33, 3860652.55	3.99E-03	1.26E-06	5.35E-07	4.08E-03	1.29E-06	5.46E-07	4.07E-03	1.29E-06	5.45E-07
1403	493927.33, 3860652.55	3.92E-03	1.24E-06	5.25E-07	4.00E-03	1.26E-06	5.35E-07	3.99E-03	1.26E-06	5.35E-07
1404	493977.33, 3860652.55	3.84E-03	1.21E-06	5.14E-07	3.92E-03	1.24E-06	5.25E-07	3.91E-03	1.24E-06	5.24E-07
1405	494027.33, 3860652.55	3.77E-03	1.19E-06	5.05E-07	3.85E-03	1.21E-06	5.15E-07	3.84E-03	1.21E-06	5.15E-07
1406	494311.06, 3858401.99	9.74E-04	3.07E-07	1.30E-07	9.94E-04	3.14E-07	1.33E-07	9.93E-04	3.13E-07	1.33E-07
1407	494361.06, 3858401.99	9.63E-04	3.04E-07	1.29E-07	9.82E-04	3.10E-07	1.32E-07	9.81E-04	3.10E-07	1.31E-07
1408	494411.06, 3858401.99	9.56E-04	3.02E-07	1.28E-07	9.75E-04	3.08E-07	1.31E-07	9.74E-04	3.07E-07	1.30E-07
1409	494461.06, 3858401.99	9.54E-04	3.01E-07	1.28E-07	9.73E-04	3.07E-07	1.30E-07	9.72E-04	3.07E-07	1.30E-07
1410	494511.06, 3858401.99	9.46E-04	2.99E-07	1.27E-07	9.65E-04	3.05E-07	1.29E-07	9.64E-04	3.04E-07	1.29E-07
1411	494561.06, 3858401.99	9.43E-04	2.98E-07	1.26E-07	9.62E-04	3.04E-07	1.29E-07	9.61E-04	3.03E-07	1.29E-07
1412	494611.06, 3858401.99	9.35E-04	2.95E-07	1.25E-07	9.54E-04	3.01E-07	1.28E-07	9.53E-04	3.01E-07	1.28E-07
1413	494661.06, 3858401.99	9.28E-04	2.93E-07	1.24E-07	9.47E-04	2.99E-07	1.27E-07	9.46E-04	2.98E-07	1.27E-07
1414	494711.06, 3858401.99	9.16E-04	2.89E-07	1.23E-07	9.35E-04	2.95E-07	1.25E-07	9.34E-04	2.95E-07	1.25E-07
1415	494761.06, 3858401.99	9.11E-04	2.88E-07	1.22E-07	9.30E-04	2.94E-07	1.25E-07	9.29E-04	2.93E-07	1.24E-07
1416	494811.06, 3858401.99	9.03E-04	2.85E-07	1.21E-07	9.21E-04	2.91E-07	1.23E-07	9.20E-04	2.90E-07	1.23E-07
1417	494861.06, 3858401.99	8.95E-04	2.82E-07	1.20E-07	9.13E-04	2.88E-07	1.22E-07	9.12E-04	2.88E-07	1.22E-07
1418	494911.06, 3858401.99	8.87E-04	2.80E-07	1.19E-07	9.05E-04	2.86E-07	1.21E-07	9.04E-04	2.85E-07	1.21E-07
1419	494961.06, 3858401.99	8.79E-04	2.77E-07	1.18E-07	8.97E-04	2.83E-07	1.20E-07	8.96E-04	2.83E-07	1.20E-07
1420	495011.06, 3858401.99	8.67E-04	2.74E-07	1.16E-07	8.85E-04	2.79E-07	1.19E-07	8.84E-04	2.79E-07	1.18E-07
1421	495061.06, 3858401.99	8.59E-04	2.71E-07	1.15E-07	8.76E-04	2.77E-07	1.17E-07	8.75E-04	2.76E-07	1.17E-07
1422	495111.06, 3858401.99	8.42E-04	2.66E-07	1.13E-07	8.59E-04	2.71E-07	1.15E-07	8.58E-04	2.71E-07	1.15E-07
1423	495161.06, 3858401.99	8.39E-04	2.65E-07	1.12E-07	8.56E-04	2.70E-07	1.15E-07	8.55E-04	2.70E-07	1.15E-07
1424	495211.06, 3858401.99	8.24E-04	2.60E-07	1.10E-07	8.41E-04	2.65E-07	1.13E-07	8.40E-04	2.65E-07	1.12E-07
1425	495261.06, 3858401.99	8.16E-04	2.58E-07	1.09E-07	8.33E-04	2.63E-07	1.11E-07	8.32E-04	2.62E-07	1.11E-07
1426	495311.06, 3858401.99	8.07E-04	2.55E-07	1.08E-07	8.24E-04	2.60E-07	1.10E-07	8.23E-04	2.60E-07	1.10E-07
1427	495361.06, 3858401.99	8.01E-04	2.53E-07	1.07E-07	8.18E-04	2.58E-07	1.10E-07	8.17E-04	2.58E-07	1.09E-07
1428	495411.06, 3858401.99	7.98E-04	2.52E-07	1.07E-07	8.15E-04	2.57E-07	1.09E-07	8.14E-04	2.57E-07	1.09E-07
1429	495461.06, 3858401.99	7.96E-04	2.51E-07	1.07E-07	8.12E-04	2.56E-07	1.09E-07	8.11E-04	2.56E-07	1.09E-07
1430	495511.06, 3858401.99	7.93E-04	2.50E-07	1.06E-07	8.09E-04	2.55E-07	1.08E-07	8.08E-04	2.55E-07	1.08E-07
1431	495561.06, 3858401.99	7.83E-04	2.47E-07	1.05E-07	7.99E-04	2.52E-07	1.07E-07	7.98E-04	2.52E-07	1.07E-07
1432	495611.06, 3858401.99	7.79E-04	2.46E-07	1.04E-07	7.95E-04	2.51E-07	1.06E-07	7.94E-04	2.51E-07	1.06E-07
1433	495661.06, 3858401.99	7.85E-04	2.48E-07	1.05E-07	8.01E-04	2.53E-07	1.07E-07	8.00E-04	2.53E-07	1.07E-07
1434	494311.06, 3858451.99	1.03E-03	3.24E-07	1.38E-07	1.05E-03	3.31E-07	1.40E-07	1.05E-03	3.30E-07	1.40E-07
1435	494361.06, 3858451.99	1.02E-03	3.21E-07	1.36E-07	1.04E-03	3.28E-07	1.39E-07	1.04E-03	3.27E-07	1.39E-07
1436	494411.06, 3858451.99	1.01E-03	3.19E-07	1.35E-07	1.03E-03	3.25E-07	1.38E-07	1.03E-03	3.25E-07	1.38E-07
1437	494461.06, 3858451.99	1.00E-03	3.17E-07	1.34E-07	1.02E-03	3.23E-07	1.37E-07	1.02E-03	3.23E-07	1.37E-07
1438	494511.06, 3858451.99	1.00E-03	3.16E-07	1.34E-07	1.02E-03	3.22E-07	1.37E-07	1.02E-03	3.22E-07	1.37E-07
1439	494561.06, 3858451.99	9.92E-04	3.13E-07	1.33E-07	1.01E-03	3.19E-07	1.35E-07	1.01E-03	3.19E-07	1.35E-07
1440	494611.06, 3858451.99	9.85E-04	3.11E-07	1.32E-07	1.00E-03	3.17E-07	1.35E-07	1.00E-03	3.17E-07	1.34E-07
1441	494661.06, 3858451.99	9.78E-04	3.09E-07	1.31E-07	9.98E-04	3.15E-07	1.34E-07	9.96E-04	3.15E-07	1.33E-07
1442	494711.06, 3858451.99	9.67E-04	3.05E-07	1.30E-07	9.87E-04	3.12E-07	1.32E-07	9.86E-04	3.11E-07	1.32E-07
1443	494761.06, 3858451.99	9.57E-04	3.02E-07	1.28E-07	9.76E-04	3.08E-07	1.31E-07	9.75E-04	3.08E-07	1.31E-07
1444	494811.06, 3858451.99	9.49E-04	2.99E-07	1.27E-07	9.68E-04	3.05E-07	1.30E-07	9.67E-04	3.05E-07	1.29E-07
1445	494861.06, 3858451.99	9.39E-04	2.96E-07	1.26E-07	9.58E-04	3.02E-07	1.28E-07	9.57E-04	3.02E-07	1.28E-07
1446	494911.06, 3858451.99	9.25E-04	2.92E-07	1.24E-07	9.44E-04	2.98E-07	1.26E-07	9.43E-04	2.98E-07	1.26E-07
1447	494961.06, 3858451.99	9.16E-04	2.89E-07	1.23E-07	9.35E-04	2.95E-07	1.25E-07	9.34E-04	2.95E-07	1.25E-07
1448	495011.06, 3858451.99	9.03E-04	2.85E-07	1.21E-07	9.22E-04	2.91E-07	1.23E-07	9.21E-04	2.91E-07	1.23E-07
1449	495061.06, 3858451.99	8.98E-04	2.83E-07	1.20E-07	9.16E-04	2.89E-07	1.23E-07	9.15E-04	2.89E-07	1.23E-07
1450	495111.06, 3858451.99	8.85E-04	2.79E-07	1.19E-07	9.04E-04	2.85E-07	1.21E-07	9.02E-04	2.85E-07	1.21E-07
1451	495161.06, 3858451.99	8.71E-04	2.75E-07	1.17E-07	8.89E-04	2.81E-07	1.19E-07	8.88E-04	2.80E-07	1.19E-07
1452	495211.06, 3858451.99	8.59E-04	2.71E-07	1.15E-07	8.76E-04	2.77E-07	1.17E-07	8.75E-04	2.76E-07	1.17E-07
1453	495261.06, 3858451.99	8.50E-04	2.68E-07	1.14E-07	8.67E-04	2.74E-07	1.16E-07	8.66E-04	2.73E-07	1.16E-07
1454	495311.06, 3858451.99	8.43E-04	2.66E-07	1.13E-07	8.61E-04	2.72E-07	1.15E-07	8.60E-04	2.71E-07	1.15E-07
1455	495361.06, 3858451.99	8.37E-04	2.64E-07	1.12E-07	8.55E-04	2.70E-07	1.14E-07	8.54E-04	2.69E-07	1.14E-07
1456	495411.06, 3858451.99	8.34E-04	2.63E-07	1.12E-07	8.52E-04	2.69E-07	1.14E-07	8.51E-04	2.68E-07	1.14E-07
1457	495461.06, 3858451.99	8.32E-04	2.63E-07	1.11E-07	8.49E-04	2.68E-07	1.14E-07	8.48E-04	2.68E-07	1.14E-07
1458	495511.06, 3858451.99	8.25E-04	2.60E-07	1.10E-07	8.42E-04	2.66E-07	1.13E-07	8.41E-04	2.65E-07	1.13E-07
1459	495561.06, 3858451.99	8.26E-04	2.61E-07	1.11E-07	8.43E-04	2.66E-07	1.13E-07	8.42E-04	2.66E-07	1.13E-07
1460	495611.06, 3858451.99	8.17E-04	2.58E-07	1.09E-07	8.33E-04	2.63E-07	1.12E-07	8.33E-04	2.63E-07	1.11E-07
1461	495661.06, 3858451.99	8.15E-04	2.57E-07	1.09E-07	8.32E-04	2.63E-07	1.11E-07	8.31E-04	2.62E-07	1.11E-07
1462	494311.06, 3858501.99	1.07E-03	3.37E-07	1.43E-07	1.09E-03	3.44E-07	1.46E-07	1.09E-03	3.44E-07	1.46E-07
1463	494361.06, 3858501.99	1.06E-03	3.35E-07	1.42E-07	1.08E-03	3.42E-07	1.45E-07	1.08E-03	3.42E-07	1.45E-07
1464	494411.06, 3858501.99	1.06E-03	3.33E-07	1.41E-07	1.08E-03	3.40E-07	1.44E-07	1.08E-03	3.40E-07	1.44E-07
1465	494461.06, 3858501.99	1.05E-03	3.32E-07	1.41E-07	1.07E-03	3.39E-07	1.44E-07	1.07E-03	3.38E-07	1.44E-07
1466	494511.06, 3858501.99	1.04E-03	3.28E-07	1.39E-07	1.06E-03	3.35E-07	1.42E-07	1.06E-03	3.35E-07	1.42E-07

1467	494561.06, 3858501.99	1.04E-03	3.29E-07	1.40E-07	1.06E-03	3.36E-07	1.43E-07	1.06E-03	3.36E-07	1.42E-07
1468	494611.06, 3858501.99	1.03E-03	3.26E-07	1.39E-07	1.06E-03	3.33E-07	1.41E-07	1.05E-03	3.33E-07	1.41E-07
1469	494661.06, 3858501.99	1.03E-03	3.25E-07	1.38E-07	1.05E-03	3.31E-07	1.41E-07	1.05E-03	3.31E-07	1.40E-07
1470	494711.06, 3858501.99	1.02E-03	3.21E-07	1.36E-07	1.04E-03	3.28E-07	1.39E-07	1.04E-03	3.27E-07	1.39E-07
1471	494761.06, 3858501.99	1.00E-03	3.17E-07	1.35E-07	1.03E-03	3.24E-07	1.37E-07	1.02E-03	3.23E-07	1.37E-07
1472	494811.06, 3858501.99	9.92E-04	3.13E-07	1.33E-07	1.01E-03	3.20E-07	1.36E-07	1.01E-03	3.19E-07	1.35E-07
1473	494861.06, 3858501.99	9.84E-04	3.11E-07	1.32E-07	1.00E-03	3.17E-07	1.34E-07	1.00E-03	3.17E-07	1.34E-07
1474	494911.06, 3858501.99	9.67E-04	3.05E-07	1.30E-07	9.87E-04	3.11E-07	1.32E-07	9.86E-04	3.11E-07	1.32E-07
1475	494961.06, 3858501.99	9.59E-04	3.03E-07	1.28E-07	9.78E-04	3.09E-07	1.31E-07	9.77E-04	3.08E-07	1.31E-07
1476	495011.06, 3858501.99	9.44E-04	2.98E-07	1.26E-07	9.63E-04	3.04E-07	1.29E-07	9.62E-04	3.04E-07	1.29E-07
1477	495061.06, 3858501.99	9.38E-04	2.96E-07	1.26E-07	9.57E-04	3.02E-07	1.28E-07	9.56E-04	3.02E-07	1.28E-07
1478	495111.06, 3858501.99	9.18E-04	2.90E-07	1.23E-07	9.37E-04	2.96E-07	1.26E-07	9.36E-04	2.95E-07	1.25E-07
1479	495161.06, 3858501.99	9.06E-04	2.86E-07	1.21E-07	9.25E-04	2.92E-07	1.24E-07	9.24E-04	2.92E-07	1.24E-07
1480	495211.06, 3858501.99	8.95E-04	2.82E-07	1.20E-07	9.13E-04	2.88E-07	1.22E-07	9.12E-04	2.88E-07	1.22E-07
1481	495261.06, 3858501.99	8.86E-04	2.80E-07	1.19E-07	9.04E-04	2.85E-07	1.21E-07	9.03E-04	2.85E-07	1.21E-07
1482	495311.06, 3858501.99	8.81E-04	2.78E-07	1.18E-07	8.99E-04	2.84E-07	1.20E-07	8.98E-04	2.83E-07	1.20E-07
1483	495361.06, 3858501.99	8.76E-04	2.76E-07	1.17E-07	8.94E-04	2.82E-07	1.20E-07	8.93E-04	2.82E-07	1.20E-07
1484	495411.06, 3858501.99	8.72E-04	2.75E-07	1.17E-07	8.90E-04	2.81E-07	1.19E-07	8.89E-04	2.81E-07	1.19E-07
1485	495461.06, 3858501.99	8.69E-04	2.74E-07	1.16E-07	8.87E-04	2.80E-07	1.19E-07	8.86E-04	2.80E-07	1.19E-07
1486	495511.06, 3858501.99	8.64E-04	2.73E-07	1.16E-07	8.82E-04	2.78E-07	1.18E-07	8.81E-04	2.78E-07	1.18E-07
1487	495561.06, 3858501.99	8.64E-04	2.73E-07	1.16E-07	8.82E-04	2.78E-07	1.18E-07	8.81E-04	2.78E-07	1.18E-07
1488	495611.06, 3858501.99	8.52E-04	2.69E-07	1.14E-07	8.70E-04	2.75E-07	1.16E-07	8.69E-04	2.74E-07	1.16E-07
1489	495661.06, 3858501.99	8.54E-04	2.70E-07	1.14E-07	8.72E-04	2.75E-07	1.17E-07	8.71E-04	2.75E-07	1.17E-07
1490	494311.06, 3858551.99	1.09E-03	3.44E-07	1.46E-07	1.11E-03	3.51E-07	1.49E-07	1.11E-03	3.50E-07	1.49E-07
1491	494361.06, 3858551.99	1.10E-03	3.46E-07	1.47E-07	1.12E-03	3.53E-07	1.50E-07	1.12E-03	3.53E-07	1.50E-07
1492	494411.06, 3858551.99	1.11E-03	3.50E-07	1.48E-07	1.13E-03	3.57E-07	1.51E-07	1.13E-03	3.57E-07	1.51E-07
1493	494461.06, 3858551.99	1.11E-03	3.49E-07	1.48E-07	1.13E-03	3.57E-07	1.51E-07	1.13E-03	3.56E-07	1.51E-07
1494	494511.06, 3858551.99	1.10E-03	3.48E-07	1.47E-07	1.12E-03	3.55E-07	1.51E-07	1.12E-03	3.54E-07	1.50E-07
1495	494561.06, 3858551.99	1.10E-03	3.46E-07	1.47E-07	1.12E-03	3.53E-07	1.50E-07	1.12E-03	3.53E-07	1.50E-07
1496	494611.06, 3858551.99	1.09E-03	3.44E-07	1.46E-07	1.11E-03	3.51E-07	1.49E-07	1.11E-03	3.50E-07	1.49E-07
1497	494661.06, 3858551.99	1.08E-03	3.42E-07	1.45E-07	1.10E-03	3.49E-07	1.48E-07	1.10E-03	3.48E-07	1.48E-07
1498	494711.06, 3858551.99	1.07E-03	3.37E-07	1.43E-07	1.09E-03	3.44E-07	1.46E-07	1.09E-03	3.44E-07	1.46E-07
1499	494761.06, 3858551.99	1.06E-03	3.33E-07	1.41E-07	1.08E-03	3.40E-07	1.44E-07	1.08E-03	3.40E-07	1.44E-07
1500	494811.06, 3858551.99	1.05E-03	3.30E-07	1.40E-07	1.07E-03	3.37E-07	1.43E-07	1.07E-03	3.36E-07	1.43E-07
1501	494861.06, 3858551.99	1.03E-03	3.26E-07	1.38E-07	1.05E-03	3.32E-07	1.41E-07	1.05E-03	3.32E-07	1.41E-07
1502	494911.06, 3858551.99	1.02E-03	3.20E-07	1.36E-07	1.04E-03	3.27E-07	1.39E-07	1.03E-03	3.27E-07	1.39E-07
1503	494961.06, 3858551.99	1.00E-03	3.16E-07	1.34E-07	1.02E-03	3.23E-07	1.37E-07	1.02E-03	3.23E-07	1.37E-07
1504	495011.06, 3858551.99	9.87E-04	3.11E-07	1.32E-07	1.01E-03	3.18E-07	1.35E-07	1.01E-03	3.17E-07	1.35E-07
1505	495061.06, 3858551.99	9.77E-04	3.08E-07	1.31E-07	9.96E-04	3.14E-07	1.33E-07	9.95E-04	3.14E-07	1.33E-07
1506	495111.06, 3858551.99	9.57E-04	3.02E-07	1.28E-07	9.76E-04	3.08E-07	1.31E-07	9.75E-04	3.08E-07	1.31E-07
1507	495161.06, 3858551.99	9.44E-04	2.98E-07	1.26E-07	9.63E-04	3.04E-07	1.29E-07	9.62E-04	3.04E-07	1.29E-07
1508	495211.06, 3858551.99	9.33E-04	2.94E-07	1.25E-07	9.52E-04	3.00E-07	1.27E-07	9.51E-04	3.00E-07	1.27E-07
1509	495261.06, 3858551.99	9.24E-04	2.92E-07	1.24E-07	9.43E-04	2.98E-07	1.26E-07	9.42E-04	2.97E-07	1.26E-07
1510	495311.06, 3858551.99	9.20E-04	2.90E-07	1.23E-07	9.39E-04	2.96E-07	1.26E-07	9.38E-04	2.96E-07	1.26E-07
1511	495361.06, 3858551.99	9.15E-04	2.89E-07	1.23E-07	9.34E-04	2.95E-07	1.25E-07	9.33E-04	2.94E-07	1.25E-07
1512	495411.06, 3858551.99	9.12E-04	2.88E-07	1.22E-07	9.31E-04	2.94E-07	1.25E-07	9.30E-04	2.93E-07	1.25E-07
1513	495461.06, 3858551.99	9.08E-04	2.87E-07	1.22E-07	9.26E-04	2.92E-07	1.24E-07	9.25E-04	2.92E-07	1.24E-07
1514	495511.06, 3858551.99	9.05E-04	2.86E-07	1.21E-07	9.24E-04	2.92E-07	1.24E-07	9.23E-04	2.91E-07	1.24E-07
1515	495561.06, 3858551.99	9.00E-04	2.84E-07	1.21E-07	9.19E-04	2.90E-07	1.23E-07	9.18E-04	2.90E-07	1.23E-07
1516	495611.06, 3858551.99	8.95E-04	2.82E-07	1.20E-07	9.13E-04	2.88E-07	1.22E-07	9.12E-04	2.88E-07	1.22E-07
1517	495661.06, 3858551.99	8.88E-04	2.80E-07	1.19E-07	9.07E-04	2.86E-07	1.21E-07	9.05E-04	2.86E-07	1.21E-07
1518	494311.06, 3858601.99	1.09E-03	3.45E-07	1.46E-07	1.11E-03	3.52E-07	1.49E-07	1.11E-03	3.51E-07	1.49E-07
1519	494361.06, 3858601.99	1.13E-03	3.57E-07	1.51E-07	1.15E-03	3.64E-07	1.54E-07	1.15E-03	3.64E-07	1.54E-07
1520	494411.06, 3858601.99	1.17E-03	3.69E-07	1.57E-07	1.19E-03	3.77E-07	1.60E-07	1.19E-03	3.76E-07	1.60E-07
1521	494461.06, 3858601.99	1.17E-03	3.68E-07	1.56E-07	1.19E-03	3.76E-07	1.59E-07	1.19E-03	3.75E-07	1.59E-07
1522	494511.06, 3858601.99	1.15E-03	3.64E-07	1.54E-07	1.18E-03	3.71E-07	1.58E-07	1.18E-03	3.71E-07	1.57E-07
1523	494561.06, 3858601.99	1.16E-03	3.65E-07	1.55E-07	1.18E-03	3.73E-07	1.58E-07	1.18E-03	3.72E-07	1.58E-07
1524	494611.06, 3858601.99	1.15E-03	3.62E-07	1.53E-07	1.17E-03	3.69E-07	1.57E-07	1.17E-03	3.69E-07	1.56E-07
1525	494661.06, 3858601.99	1.14E-03	3.59E-07	1.52E-07	1.16E-03	3.66E-07	1.55E-07	1.16E-03	3.66E-07	1.55E-07
1526	494711.06, 3858601.99	1.12E-03	3.55E-07	1.50E-07	1.15E-03	3.62E-07	1.54E-07	1.15E-03	3.62E-07	1.53E-07
1527	494761.06, 3858601.99	1.11E-03	3.50E-07	1.49E-07	1.13E-03	3.58E-07	1.52E-07	1.13E-03	3.57E-07	1.52E-07
1528	494811.06, 3858601.99	1.09E-03	3.44E-07	1.46E-07	1.11E-03	3.51E-07	1.49E-07	1.11E-03	3.51E-07	1.49E-07
1529	494861.06, 3858601.99	1.08E-03	3.40E-07	1.44E-07	1.10E-03	3.47E-07	1.47E-07	1.10E-03	3.47E-07	1.47E-07
1530	494911.06, 3858601.99	1.06E-03	3.34E-07	1.42E-07	1.08E-03	3.41E-07	1.45E-07	1.08E-03	3.41E-07	1.45E-07
1531	494961.06, 3858601.99	1.05E-03	3.30E-07	1.40E-07	1.07E-03	3.37E-07	1.43E-07	1.07E-03	3.36E-07	1.43E-07
1532	495011.06, 3858601.99	1.03E-03	3.26E-07	1.38E-07	1.05E-03	3.32E-07	1.41E-07	1.05E-03	3.32E-07	1.41E-07
1533	495061.06, 3858601.99	1.02E-03	3.21E-07	1.36E-07	1.04E-03	3.27E-07	1.39E-07	1.04E-03	3.27E-07	1.39E-07
1534	495111.06, 3858601.99	9.95E-04	3.14E-07	1.33E-07	1.02E-03	3.20E-07	1.36E-07	1.01E-03	3.20E-07	1.36E-07
1535	495161.06, 3858601.99	9.83E-04	3.10E-07	1.32E-07	1.00E-03	3.16E-07	1.34E-07	1.00E-03	3.16E-07	1.34E-07
1536	495211.06, 3858601.99	9.75E-04	3.08E-07	1.31E-07	9.95E-04	3.14E-07	1.33E-07	9.93E-04	3.14E-07	1.33E-07

1537	495261.06, 3858601.99	9.66E-04	3.05E-07	1.29E-07	9.85E-04	3.11E-07	1.32E-07	9.84E-04	3.11E-07	1.32E-07
1538	495311.06, 3858601.99	9.59E-04	3.03E-07	1.28E-07	9.78E-04	3.09E-07	1.31E-07	9.77E-04	3.08E-07	1.31E-07
1539	495361.06, 3858601.99	9.54E-04	3.01E-07	1.28E-07	9.74E-04	3.07E-07	1.30E-07	9.73E-04	3.07E-07	1.30E-07
1540	495411.06, 3858601.99	9.50E-04	3.00E-07	1.27E-07	9.70E-04	3.06E-07	1.30E-07	9.69E-04	3.06E-07	1.30E-07
1541	495461.06, 3858601.99	9.47E-04	2.99E-07	1.27E-07	9.66E-04	3.05E-07	1.29E-07	9.65E-04	3.05E-07	1.29E-07
1542	495511.06, 3858601.99	9.39E-04	2.96E-07	1.26E-07	9.58E-04	3.02E-07	1.28E-07	9.57E-04	3.02E-07	1.28E-07
1543	495561.06, 3858601.99	9.37E-04	2.96E-07	1.25E-07	9.56E-04	3.02E-07	1.28E-07	9.55E-04	3.01E-07	1.28E-07
1544	495611.06, 3858601.99	9.28E-04	2.93E-07	1.24E-07	9.47E-04	2.99E-07	1.27E-07	9.46E-04	2.99E-07	1.27E-07
1545	495661.06, 3858601.99	9.25E-04	2.92E-07	1.24E-07	9.44E-04	2.98E-07	1.26E-07	9.43E-04	2.98E-07	1.26E-07
1546	494311.06, 3858651.99	1.13E-03	3.55E-07	1.51E-07	1.15E-03	3.63E-07	1.54E-07	1.15E-03	3.62E-07	1.54E-07
1547	494361.06, 3858651.99	1.16E-03	3.67E-07	1.56E-07	1.19E-03	3.75E-07	1.59E-07	1.19E-03	3.74E-07	1.59E-07
1548	494411.06, 3858651.99	1.21E-03	3.83E-07	1.63E-07	1.24E-03	3.91E-07	1.66E-07	1.24E-03	3.91E-07	1.66E-07
1549	494461.06, 3858651.99	1.23E-03	3.87E-07	1.64E-07	1.25E-03	3.95E-07	1.68E-07	1.25E-03	3.95E-07	1.67E-07
1550	494511.06, 3858651.99	1.22E-03	3.85E-07	1.63E-07	1.24E-03	3.93E-07	1.67E-07	1.24E-03	3.92E-07	1.66E-07
1551	494561.06, 3858651.99	1.21E-03	3.83E-07	1.63E-07	1.24E-03	3.91E-07	1.66E-07	1.24E-03	3.91E-07	1.66E-07
1552	494611.06, 3858651.99	1.21E-03	3.81E-07	1.62E-07	1.23E-03	3.89E-07	1.65E-07	1.23E-03	3.88E-07	1.65E-07
1553	494661.06, 3858651.99	1.19E-03	3.77E-07	1.60E-07	1.22E-03	3.85E-07	1.63E-07	1.22E-03	3.84E-07	1.63E-07
1554	494711.06, 3858651.99	1.18E-03	3.72E-07	1.58E-07	1.20E-03	3.80E-07	1.61E-07	1.20E-03	3.79E-07	1.61E-07
1555	494761.06, 3858651.99	1.17E-03	3.68E-07	1.56E-07	1.19E-03	3.75E-07	1.59E-07	1.19E-03	3.75E-07	1.59E-07
1556	494811.06, 3858651.99	1.15E-03	3.62E-07	1.53E-07	1.17E-03	3.69E-07	1.57E-07	1.17E-03	3.69E-07	1.56E-07
1557	494861.06, 3858651.99	1.13E-03	3.56E-07	1.51E-07	1.15E-03	3.63E-07	1.54E-07	1.15E-03	3.63E-07	1.54E-07
1558	494911.06, 3858651.99	1.11E-03	3.50E-07	1.48E-07	1.13E-03	3.57E-07	1.51E-07	1.13E-03	3.56E-07	1.51E-07
1559	494961.06, 3858651.99	1.09E-03	3.44E-07	1.46E-07	1.11E-03	3.51E-07	1.49E-07	1.11E-03	3.51E-07	1.49E-07
1560	495011.06, 3858651.99	1.08E-03	3.40E-07	1.44E-07	1.10E-03	3.46E-07	1.47E-07	1.10E-03	3.46E-07	1.47E-07
1561	495061.06, 3858651.99	1.06E-03	3.34E-07	1.42E-07	1.08E-03	3.41E-07	1.45E-07	1.08E-03	3.41E-07	1.45E-07
1562	495111.06, 3858651.99	1.04E-03	3.29E-07	1.39E-07	1.06E-03	3.35E-07	1.42E-07	1.06E-03	3.35E-07	1.42E-07
1563	495161.06, 3858651.99	1.03E-03	3.25E-07	1.38E-07	1.05E-03	3.31E-07	1.41E-07	1.05E-03	3.31E-07	1.40E-07
1564	495211.06, 3858651.99	1.01E-03	3.20E-07	1.36E-07	1.04E-03	3.27E-07	1.39E-07	1.03E-03	3.26E-07	1.38E-07
1565	495261.06, 3858651.99	1.01E-03	3.19E-07	1.35E-07	1.03E-03	3.25E-07	1.38E-07	1.03E-03	3.25E-07	1.38E-07
1566	495311.06, 3858651.99	1.00E-03	3.16E-07	1.34E-07	1.02E-03	3.23E-07	1.37E-07	1.02E-03	3.22E-07	1.37E-07
1567	495361.06, 3858651.99	9.97E-04	3.15E-07	1.34E-07	1.02E-03	3.21E-07	1.36E-07	1.02E-03	3.21E-07	1.36E-07
1568	495411.06, 3858651.99	9.93E-04	3.14E-07	1.33E-07	1.01E-03	3.20E-07	1.36E-07	1.01E-03	3.20E-07	1.36E-07
1569	495461.06, 3858651.99	9.92E-04	3.13E-07	1.33E-07	1.01E-03	3.19E-07	1.35E-07	1.01E-03	3.19E-07	1.35E-07
1570	495511.06, 3858651.99	9.82E-04	3.10E-07	1.32E-07	1.00E-03	3.16E-07	1.34E-07	1.00E-03	3.16E-07	1.34E-07
1571	495561.06, 3858651.99	9.75E-04	3.08E-07	1.31E-07	9.95E-04	3.14E-07	1.33E-07	9.94E-04	3.14E-07	1.33E-07
1572	495611.06, 3858651.99	9.65E-04	3.04E-07	1.29E-07	9.84E-04	3.11E-07	1.32E-07	9.83E-04	3.10E-07	1.32E-07
1573	495661.06, 3858651.99	9.61E-04	3.03E-07	1.29E-07	9.81E-04	3.09E-07	1.31E-07	9.79E-04	3.09E-07	1.31E-07
1574	494311.06, 3858701.99	1.18E-03	3.73E-07	1.58E-07	1.21E-03	3.80E-07	1.61E-07	1.20E-03	3.80E-07	1.61E-07
1575	494361.06, 3858701.99	1.24E-03	3.91E-07	1.66E-07	1.26E-03	3.99E-07	1.69E-07	1.26E-03	3.98E-07	1.69E-07
1576	494411.06, 3858701.99	1.27E-03	4.02E-07	1.71E-07	1.30E-03	4.11E-07	1.74E-07	1.30E-03	4.10E-07	1.74E-07
1577	494461.06, 3858701.99	1.27E-03	4.02E-07	1.71E-07	1.30E-03	4.10E-07	1.74E-07	1.30E-03	4.10E-07	1.74E-07
1578	494511.06, 3858701.99	1.28E-03	4.04E-07	1.71E-07	1.31E-03	4.12E-07	1.75E-07	1.31E-03	4.12E-07	1.75E-07
1579	494561.06, 3858701.99	1.27E-03	4.02E-07	1.70E-07	1.30E-03	4.10E-07	1.74E-07	1.30E-03	4.09E-07	1.74E-07
1580	494611.06, 3858701.99	1.25E-03	3.95E-07	1.68E-07	1.28E-03	4.03E-07	1.71E-07	1.28E-03	4.03E-07	1.71E-07
1581	494661.06, 3858701.99	1.25E-03	3.94E-07	1.67E-07	1.28E-03	4.02E-07	1.71E-07	1.27E-03	4.02E-07	1.71E-07
1582	494711.06, 3858701.99	1.20E-03	3.80E-07	1.61E-07	1.23E-03	3.88E-07	1.65E-07	1.23E-03	3.88E-07	1.64E-07
1583	494761.06, 3858701.99	1.21E-03	3.83E-07	1.62E-07	1.24E-03	3.91E-07	1.66E-07	1.24E-03	3.90E-07	1.66E-07
1584	494811.06, 3858701.99	1.19E-03	3.76E-07	1.60E-07	1.22E-03	3.84E-07	1.63E-07	1.22E-03	3.84E-07	1.63E-07
1585	494861.06, 3858701.99	1.18E-03	3.71E-07	1.57E-07	1.20E-03	3.79E-07	1.61E-07	1.20E-03	3.78E-07	1.60E-07
1586	494911.06, 3858701.99	1.16E-03	3.66E-07	1.55E-07	1.18E-03	3.74E-07	1.59E-07	1.18E-03	3.73E-07	1.58E-07
1587	494961.06, 3858701.99	1.13E-03	3.57E-07	1.52E-07	1.16E-03	3.65E-07	1.55E-07	1.15E-03	3.64E-07	1.55E-07
1588	495011.06, 3858701.99	1.11E-03	3.52E-07	1.49E-07	1.14E-03	3.59E-07	1.52E-07	1.14E-03	3.58E-07	1.52E-07
1589	495061.06, 3858701.99	1.11E-03	3.49E-07	1.48E-07	1.13E-03	3.56E-07	1.51E-07	1.13E-03	3.56E-07	1.51E-07
1590	495111.06, 3858701.99	1.08E-03	3.42E-07	1.45E-07	1.11E-03	3.49E-07	1.48E-07	1.11E-03	3.49E-07	1.48E-07
1591	495161.06, 3858701.99	1.07E-03	3.39E-07	1.44E-07	1.10E-03	3.46E-07	1.47E-07	1.09E-03	3.45E-07	1.46E-07
1592	495211.06, 3858701.99	1.06E-03	3.34E-07	1.42E-07	1.08E-03	3.41E-07	1.45E-07	1.08E-03	3.40E-07	1.44E-07
1593	495261.06, 3858701.99	1.05E-03	3.33E-07	1.41E-07	1.08E-03	3.39E-07	1.44E-07	1.07E-03	3.39E-07	1.44E-07
1594	495311.06, 3858701.99	1.05E-03	3.31E-07	1.40E-07	1.07E-03	3.38E-07	1.43E-07	1.07E-03	3.37E-07	1.43E-07
1595	495361.06, 3858701.99	1.04E-03	3.29E-07	1.40E-07	1.06E-03	3.36E-07	1.42E-07	1.06E-03	3.35E-07	1.42E-07
1596	495411.06, 3858701.99	1.04E-03	3.28E-07	1.39E-07	1.06E-03	3.35E-07	1.42E-07	1.06E-03	3.34E-07	1.42E-07
1597	495461.06, 3858701.99	1.03E-03	3.26E-07	1.38E-07	1.05E-03	3.33E-07	1.41E-07	1.05E-03	3.33E-07	1.41E-07
1598	495511.06, 3858701.99	1.03E-03	3.24E-07	1.37E-07	1.05E-03	3.30E-07	1.40E-07	1.05E-03	3.30E-07	1.40E-07
1599	495561.06, 3858701.99	1.02E-03	3.21E-07	1.36E-07	1.04E-03	3.27E-07	1.39E-07	1.04E-03	3.27E-07	1.39E-07
1600	495611.06, 3858701.99	1.01E-03	3.18E-07	1.35E-07	1.03E-03	3.24E-07	1.38E-07	1.03E-03	3.24E-07	1.37E-07
1601	495661.06, 3858701.99	1.00E-03	3.16E-07	1.34E-07	1.02E-03	3.22E-07	1.37E-07	1.02E-03	3.22E-07	1.36E-07
1602	494311.06, 3858751.99	1.24E-03	3.91E-07	1.66E-07	1.26E-03	3.99E-07	1.69E-07	1.26E-03	3.99E-07	1.69E-07
1603	494361.06, 3858751.99	1.31E-03	4.14E-07	1.76E-07	1.34E-03	4.22E-07	1.79E-07	1.34E-03	4.22E-07	1.79E-07
1604	494411.06, 3858751.99	1.34E-03	4.23E-07	1.80E-07	1.37E-03	4.32E-07	1.83E-07	1.37E-03	4.31E-07	1.83E-07
1605	494461.06, 3858751.99	1.34E-03	4.23E-07	1.79E-07	1.37E-03	4.32E-07	1.83E-07	1.37E-03	4.31E-07	1.83E-07
1606	494511.06, 3858751.99	1.35E-03	4.26E-07	1.81E-07	1.38E-03	4.35E-07	1.84E-07	1.38E-03	4.34E-07	1.84E-07

1607	494561.06, 3858751.99	1.33E-03	4.20E-07	1.78E-07	1.36E-03	4.28E-07	1.82E-07	1.35E-03	4.28E-07	1.81E-07
1608	494611.06, 3858751.99	1.31E-03	4.14E-07	1.76E-07	1.34E-03	4.23E-07	1.79E-07	1.34E-03	4.22E-07	1.79E-07
1609	494661.06, 3858751.99	1.30E-03	4.09E-07	1.74E-07	1.32E-03	4.18E-07	1.77E-07	1.32E-03	4.17E-07	1.77E-07
1610	494711.06, 3858751.99	1.27E-03	4.01E-07	1.70E-07	1.30E-03	4.09E-07	1.74E-07	1.29E-03	4.09E-07	1.73E-07
1611	494761.06, 3858751.99	1.27E-03	4.00E-07	1.70E-07	1.29E-03	4.08E-07	1.73E-07	1.29E-03	4.08E-07	1.73E-07
1612	494811.06, 3858751.99	1.24E-03	3.93E-07	1.67E-07	1.27E-03	4.01E-07	1.70E-07	1.27E-03	4.00E-07	1.70E-07
1613	494861.06, 3858751.99	1.22E-03	3.86E-07	1.64E-07	1.25E-03	3.94E-07	1.67E-07	1.25E-03	3.93E-07	1.67E-07
1614	494911.06, 3858751.99	1.20E-03	3.79E-07	1.61E-07	1.22E-03	3.86E-07	1.64E-07	1.22E-03	3.86E-07	1.64E-07
1615	494961.06, 3858751.99	1.18E-03	3.73E-07	1.58E-07	1.21E-03	3.81E-07	1.62E-07	1.21E-03	3.80E-07	1.61E-07
1616	495011.06, 3858751.99	1.17E-03	3.69E-07	1.57E-07	1.19E-03	3.77E-07	1.60E-07	1.19E-03	3.76E-07	1.60E-07
1617	495061.06, 3858751.99	1.15E-03	3.64E-07	1.54E-07	1.18E-03	3.71E-07	1.58E-07	1.17E-03	3.71E-07	1.57E-07
1618	495111.06, 3858751.99	1.13E-03	3.57E-07	1.52E-07	1.16E-03	3.65E-07	1.55E-07	1.15E-03	3.64E-07	1.55E-07
1619	495161.06, 3858751.99	1.12E-03	3.53E-07	1.50E-07	1.14E-03	3.61E-07	1.53E-07	1.14E-03	3.60E-07	1.53E-07
1620	495211.06, 3858751.99	1.10E-03	3.48E-07	1.48E-07	1.13E-03	3.56E-07	1.51E-07	1.13E-03	3.55E-07	1.51E-07
1621	495261.06, 3858751.99	1.10E-03	3.47E-07	1.47E-07	1.12E-03	3.54E-07	1.50E-07	1.12E-03	3.53E-07	1.50E-07
1622	495311.06, 3858751.99	1.09E-03	3.45E-07	1.46E-07	1.12E-03	3.52E-07	1.49E-07	1.11E-03	3.52E-07	1.49E-07
1623	495361.06, 3858751.99	1.09E-03	3.43E-07	1.45E-07	1.11E-03	3.50E-07	1.48E-07	1.11E-03	3.49E-07	1.48E-07
1624	495411.06, 3858751.99	1.08E-03	3.42E-07	1.45E-07	1.11E-03	3.49E-07	1.48E-07	1.11E-03	3.49E-07	1.48E-07
1625	495461.06, 3858751.99	1.08E-03	3.40E-07	1.44E-07	1.10E-03	3.47E-07	1.47E-07	1.10E-03	3.47E-07	1.47E-07
1626	495511.06, 3858751.99	1.07E-03	3.37E-07	1.43E-07	1.09E-03	3.44E-07	1.46E-07	1.09E-03	3.44E-07	1.46E-07
1627	495561.06, 3858751.99	1.06E-03	3.34E-07	1.42E-07	1.08E-03	3.41E-07	1.45E-07	1.08E-03	3.41E-07	1.45E-07
1628	495611.06, 3858751.99	1.05E-03	3.31E-07	1.41E-07	1.07E-03	3.38E-07	1.43E-07	1.07E-03	3.38E-07	1.43E-07
1629	495661.06, 3858751.99	1.04E-03	3.29E-07	1.39E-07	1.06E-03	3.35E-07	1.42E-07	1.06E-03	3.35E-07	1.42E-07
1630	494311.06, 3858801.99	1.32E-03	4.15E-07	1.76E-07	1.34E-03	4.24E-07	1.80E-07	1.34E-03	4.23E-07	1.80E-07
1631	494361.06, 3858801.99	1.38E-03	4.37E-07	1.85E-07	1.41E-03	4.46E-07	1.89E-07	1.41E-03	4.45E-07	1.89E-07
1632	494411.06, 3858801.99	1.40E-03	4.42E-07	1.87E-07	1.43E-03	4.51E-07	1.91E-07	1.43E-03	4.50E-07	1.91E-07
1633	494461.06, 3858801.99	1.41E-03	4.44E-07	1.88E-07	1.43E-03	4.53E-07	1.92E-07	1.43E-03	4.52E-07	1.92E-07
1634	494511.06, 3858801.99	1.42E-03	4.47E-07	1.90E-07	1.45E-03	4.57E-07	1.94E-07	1.44E-03	4.56E-07	1.93E-07
1635	494561.06, 3858801.99	1.41E-03	4.45E-07	1.89E-07	1.44E-03	4.54E-07	1.93E-07	1.44E-03	4.54E-07	1.93E-07
1636	494611.06, 3858801.99	1.40E-03	4.41E-07	1.87E-07	1.43E-03	4.50E-07	1.91E-07	1.42E-03	4.49E-07	1.91E-07
1637	494661.06, 3858801.99	1.38E-03	4.34E-07	1.84E-07	1.40E-03	4.43E-07	1.88E-07	1.40E-03	4.42E-07	1.88E-07
1638	494711.06, 3858801.99	1.35E-03	4.26E-07	1.81E-07	1.38E-03	4.35E-07	1.84E-07	1.38E-03	4.34E-07	1.84E-07
1639	494761.06, 3858801.99	1.32E-03	4.17E-07	1.77E-07	1.35E-03	4.26E-07	1.81E-07	1.35E-03	4.25E-07	1.80E-07
1640	494811.06, 3858801.99	1.29E-03	4.08E-07	1.73E-07	1.32E-03	4.16E-07	1.77E-07	1.32E-03	4.16E-07	1.76E-07
1641	494861.06, 3858801.99	1.28E-03	4.03E-07	1.71E-07	1.30E-03	4.11E-07	1.74E-07	1.30E-03	4.10E-07	1.74E-07
1642	494911.06, 3858801.99	1.25E-03	3.95E-07	1.68E-07	1.28E-03	4.03E-07	1.71E-07	1.28E-03	4.03E-07	1.71E-07
1643	494961.06, 3858801.99	1.23E-03	3.89E-07	1.65E-07	1.26E-03	3.97E-07	1.69E-07	1.26E-03	3.97E-07	1.68E-07
1644	495011.06, 3858801.99	1.21E-03	3.83E-07	1.63E-07	1.24E-03	3.91E-07	1.66E-07	1.24E-03	3.91E-07	1.66E-07
1645	495061.06, 3858801.99	1.20E-03	3.79E-07	1.61E-07	1.23E-03	3.87E-07	1.64E-07	1.23E-03	3.87E-07	1.64E-07
1646	495111.06, 3858801.99	1.18E-03	3.72E-07	1.58E-07	1.20E-03	3.79E-07	1.61E-07	1.20E-03	3.79E-07	1.61E-07
1647	495161.06, 3858801.99	1.16E-03	3.66E-07	1.55E-07	1.18E-03	3.74E-07	1.59E-07	1.18E-03	3.73E-07	1.58E-07
1648	495211.06, 3858801.99	1.15E-03	3.63E-07	1.54E-07	1.17E-03	3.70E-07	1.57E-07	1.17E-03	3.70E-07	1.57E-07
1649	495261.06, 3858801.99	1.14E-03	3.61E-07	1.53E-07	1.17E-03	3.68E-07	1.56E-07	1.17E-03	3.68E-07	1.56E-07
1650	495311.06, 3858801.99	1.14E-03	3.60E-07	1.53E-07	1.16E-03	3.67E-07	1.56E-07	1.16E-03	3.67E-07	1.56E-07
1651	495361.06, 3858801.99	1.13E-03	3.57E-07	1.52E-07	1.16E-03	3.65E-07	1.55E-07	1.15E-03	3.64E-07	1.55E-07
1652	495411.06, 3858801.99	1.13E-03	3.57E-07	1.52E-07	1.16E-03	3.65E-07	1.55E-07	1.15E-03	3.64E-07	1.55E-07
1653	495461.06, 3858801.99	1.12E-03	3.55E-07	1.51E-07	1.15E-03	3.62E-07	1.54E-07	1.15E-03	3.62E-07	1.53E-07
1654	495511.06, 3858801.99	1.11E-03	3.52E-07	1.49E-07	1.14E-03	3.59E-07	1.52E-07	1.14E-03	3.58E-07	1.52E-07
1655	495561.06, 3858801.99	1.10E-03	3.49E-07	1.48E-07	1.13E-03	3.56E-07	1.51E-07	1.13E-03	3.55E-07	1.51E-07
1656	495611.06, 3858801.99	1.09E-03	3.45E-07	1.46E-07	1.11E-03	3.52E-07	1.49E-07	1.11E-03	3.51E-07	1.49E-07
1657	495661.06, 3858801.99	1.08E-03	3.42E-07	1.45E-07	1.11E-03	3.49E-07	1.48E-07	1.11E-03	3.49E-07	1.48E-07
1658	494311.06, 3858851.99	1.44E-03	4.56E-07	1.93E-07	1.47E-03	4.65E-07	1.97E-07	1.47E-03	4.64E-07	1.97E-07
1659	494361.06, 3858851.99	1.48E-03	4.69E-07	1.99E-07	1.52E-03	4.78E-07	2.03E-07	1.51E-03	4.78E-07	2.03E-07
1660	494411.06, 3858851.99	1.48E-03	4.67E-07	1.98E-07	1.51E-03	4.76E-07	2.02E-07	1.51E-03	4.76E-07	2.02E-07
1661	494461.06, 3858851.99	1.48E-03	4.67E-07	1.98E-07	1.51E-03	4.76E-07	2.02E-07	1.51E-03	4.76E-07	2.02E-07
1662	494511.06, 3858851.99	1.49E-03	4.69E-07	1.99E-07	1.52E-03	4.78E-07	2.03E-07	1.51E-03	4.78E-07	2.03E-07
1663	494561.06, 3858851.99	1.48E-03	4.66E-07	1.98E-07	1.51E-03	4.75E-07	2.02E-07	1.50E-03	4.75E-07	2.01E-07
1664	494611.06, 3858851.99	1.46E-03	4.60E-07	1.95E-07	1.49E-03	4.69E-07	1.99E-07	1.49E-03	4.69E-07	1.99E-07
1665	494661.06, 3858851.99	1.44E-03	4.53E-07	1.92E-07	1.46E-03	4.62E-07	1.96E-07	1.46E-03	4.62E-07	1.96E-07
1666	494711.06, 3858851.99	1.40E-03	4.43E-07	1.88E-07	1.43E-03	4.52E-07	1.92E-07	1.43E-03	4.51E-07	1.92E-07
1667	494761.06, 3858851.99	1.37E-03	4.33E-07	1.84E-07	1.40E-03	4.42E-07	1.88E-07	1.40E-03	4.42E-07	1.87E-07
1668	494811.06, 3858851.99	1.35E-03	4.26E-07	1.81E-07	1.38E-03	4.34E-07	1.84E-07	1.37E-03	4.34E-07	1.84E-07
1669	494861.06, 3858851.99	1.33E-03	4.20E-07	1.78E-07	1.36E-03	4.29E-07	1.82E-07	1.36E-03	4.28E-07	1.82E-07
1670	494911.06, 3858851.99	1.31E-03	4.13E-07	1.75E-07	1.34E-03	4.21E-07	1.79E-07	1.33E-03	4.21E-07	1.79E-07
1671	494961.06, 3858851.99	1.29E-03	4.07E-07	1.73E-07	1.31E-03	4.15E-07	1.76E-07	1.31E-03	4.14E-07	1.76E-07
1672	495011.06, 3858851.99	1.27E-03	4.01E-07	1.70E-07	1.30E-03	4.09E-07	1.74E-07	1.30E-03	4.09E-07	1.74E-07
1673	495061.06, 3858851.99	1.25E-03	3.95E-07	1.68E-07	1.28E-03	4.03E-07	1.71E-07	1.28E-03	4.03E-07	1.71E-07
1674	495111.06, 3858851.99	1.22E-03	3.85E-07	1.63E-07	1.24E-03	3.93E-07	1.67E-07	1.24E-03	3.92E-07	1.66E-07
1675	495161.06, 3858851.99	1.20E-03	3.79E-07	1.61E-07	1.23E-03	3.87E-07	1.64E-07	1.22E-03	3.86E-07	1.64E-07
1676	495211.06, 3858851.99	1.20E-03	3.78E-07	1.61E-07	1.22E-03	3.86E-07	1.64E-07	1.22E-03	3.86E-07	1.64E-07

1677	495261.06, 3858851.99	1.19E-03	3.76E-07	1.60E-07	1.22E-03	3.84E-07	1.63E-07	1.21E-03	3.83E-07	1.63E-07
1678	495311.06, 3858851.99	1.19E-03	3.75E-07	1.59E-07	1.21E-03	3.83E-07	1.62E-07	1.21E-03	3.82E-07	1.62E-07
1679	495361.06, 3858851.99	1.18E-03	3.73E-07	1.58E-07	1.21E-03	3.81E-07	1.62E-07	1.20E-03	3.80E-07	1.61E-07
1680	495411.06, 3858851.99	1.18E-03	3.71E-07	1.58E-07	1.20E-03	3.79E-07	1.61E-07	1.20E-03	3.78E-07	1.61E-07
1681	495461.06, 3858851.99	1.17E-03	3.70E-07	1.57E-07	1.19E-03	3.77E-07	1.60E-07	1.19E-03	3.77E-07	1.60E-07
1682	495511.06, 3858851.99	1.16E-03	3.66E-07	1.55E-07	1.18E-03	3.73E-07	1.58E-07	1.18E-03	3.73E-07	1.58E-07
1683	495561.06, 3858851.99	1.15E-03	3.61E-07	1.53E-07	1.17E-03	3.69E-07	1.57E-07	1.17E-03	3.68E-07	1.56E-07
1684	495611.06, 3858851.99	1.13E-03	3.57E-07	1.51E-07	1.15E-03	3.64E-07	1.55E-07	1.15E-03	3.64E-07	1.54E-07
1685	495661.06, 3858851.99	1.13E-03	3.55E-07	1.51E-07	1.15E-03	3.63E-07	1.54E-07	1.15E-03	3.62E-07	1.54E-07
1686	494311.06, 3858901.99	1.53E-03	4.83E-07	2.05E-07	1.56E-03	4.93E-07	2.09E-07	1.56E-03	4.93E-07	2.09E-07
1687	494361.06, 3858901.99	1.56E-03	4.93E-07	2.09E-07	1.59E-03	5.03E-07	2.14E-07	1.59E-03	5.03E-07	2.13E-07
1688	494411.06, 3858901.99	1.56E-03	4.93E-07	2.09E-07	1.59E-03	5.03E-07	2.13E-07	1.59E-03	5.03E-07	2.13E-07
1689	494461.06, 3858901.99	1.57E-03	4.97E-07	2.11E-07	1.61E-03	5.07E-07	2.15E-07	1.60E-03	5.06E-07	2.15E-07
1690	494511.06, 3858901.99	1.57E-03	4.95E-07	2.10E-07	1.60E-03	5.05E-07	2.14E-07	1.60E-03	5.05E-07	2.14E-07
1691	494561.06, 3858901.99	1.55E-03	4.89E-07	2.07E-07	1.58E-03	4.99E-07	2.12E-07	1.58E-03	4.98E-07	2.11E-07
1692	494611.06, 3858901.99	1.52E-03	4.78E-07	2.03E-07	1.55E-03	4.88E-07	2.07E-07	1.54E-03	4.87E-07	2.07E-07
1693	494661.06, 3858901.99	1.50E-03	4.72E-07	2.00E-07	1.53E-03	4.82E-07	2.04E-07	1.52E-03	4.81E-07	2.04E-07
1694	494711.06, 3858901.99	1.47E-03	4.62E-07	1.96E-07	1.49E-03	4.72E-07	2.00E-07	1.49E-03	4.71E-07	2.00E-07
1695	494761.06, 3858901.99	1.43E-03	4.51E-07	1.91E-07	1.46E-03	4.60E-07	1.95E-07	1.46E-03	4.60E-07	1.95E-07
1696	494811.06, 3858901.99	1.41E-03	4.44E-07	1.89E-07	1.44E-03	4.53E-07	1.92E-07	1.43E-03	4.53E-07	1.92E-07
1697	494861.06, 3858901.99	1.39E-03	4.39E-07	1.86E-07	1.42E-03	4.48E-07	1.90E-07	1.42E-03	4.47E-07	1.90E-07
1698	494911.06, 3858901.99	1.36E-03	4.28E-07	1.82E-07	1.39E-03	4.37E-07	1.85E-07	1.38E-03	4.37E-07	1.85E-07
1699	494961.06, 3858901.99	1.34E-03	4.22E-07	1.79E-07	1.37E-03	4.31E-07	1.83E-07	1.36E-03	4.30E-07	1.83E-07
1700	495011.06, 3858901.99	1.32E-03	4.16E-07	1.77E-07	1.35E-03	4.25E-07	1.80E-07	1.34E-03	4.24E-07	1.80E-07
1701	495061.06, 3858901.99	1.29E-03	4.08E-07	1.73E-07	1.32E-03	4.17E-07	1.77E-07	1.32E-03	4.16E-07	1.77E-07
1702	495111.06, 3858901.99	1.26E-03	3.97E-07	1.69E-07	1.28E-03	4.05E-07	1.72E-07	1.28E-03	4.05E-07	1.72E-07
1703	495161.06, 3858901.99	1.25E-03	3.93E-07	1.67E-07	1.27E-03	4.01E-07	1.70E-07	1.27E-03	4.01E-07	1.70E-07
1704	495211.06, 3858901.99	1.25E-03	3.94E-07	1.67E-07	1.27E-03	4.02E-07	1.71E-07	1.27E-03	4.02E-07	1.70E-07
1705	495261.06, 3858901.99	1.24E-03	3.92E-07	1.67E-07	1.27E-03	4.00E-07	1.70E-07	1.27E-03	4.00E-07	1.70E-07
1706	495311.06, 3858901.99	1.24E-03	3.90E-07	1.65E-07	1.26E-03	3.98E-07	1.69E-07	1.26E-03	3.97E-07	1.69E-07
1707	495361.06, 3858901.99	1.23E-03	3.88E-07	1.65E-07	1.25E-03	3.96E-07	1.68E-07	1.25E-03	3.95E-07	1.68E-07
1708	495411.06, 3858901.99	1.23E-03	3.87E-07	1.64E-07	1.25E-03	3.95E-07	1.67E-07	1.25E-03	3.94E-07	1.67E-07
1709	495461.06, 3858901.99	1.22E-03	3.84E-07	1.63E-07	1.24E-03	3.92E-07	1.66E-07	1.24E-03	3.91E-07	1.66E-07
1710	495511.06, 3858901.99	1.20E-03	3.79E-07	1.61E-07	1.23E-03	3.87E-07	1.64E-07	1.23E-03	3.87E-07	1.64E-07
1711	495561.06, 3858901.99	1.19E-03	3.76E-07	1.59E-07	1.21E-03	3.83E-07	1.63E-07	1.21E-03	3.83E-07	1.62E-07
1712	495611.06, 3858901.99	1.18E-03	3.71E-07	1.57E-07	1.20E-03	3.79E-07	1.61E-07	1.20E-03	3.78E-07	1.60E-07
1713	495661.06, 3858901.99	1.17E-03	3.70E-07	1.57E-07	1.19E-03	3.77E-07	1.60E-07	1.19E-03	3.77E-07	1.60E-07
1714	494311.06, 3858951.99	1.65E-03	5.19E-07	2.20E-07	1.68E-03	5.30E-07	2.25E-07	1.68E-03	5.29E-07	2.25E-07
1715	494361.06, 3858951.99	1.66E-03	5.23E-07	2.22E-07	1.69E-03	5.33E-07	2.26E-07	1.69E-03	5.33E-07	2.26E-07
1716	494411.06, 3858951.99	1.64E-03	5.18E-07	2.20E-07	1.67E-03	5.28E-07	2.24E-07	1.67E-03	5.27E-07	2.24E-07
1717	494461.06, 3858951.99	1.65E-03	5.22E-07	2.21E-07	1.69E-03	5.32E-07	2.26E-07	1.68E-03	5.32E-07	2.26E-07
1718	494511.06, 3858951.99	1.64E-03	5.18E-07	2.20E-07	1.67E-03	5.28E-07	2.24E-07	1.67E-03	5.28E-07	2.24E-07
1719	494561.06, 3858951.99	1.62E-03	5.11E-07	2.17E-07	1.65E-03	5.21E-07	2.21E-07	1.65E-03	5.21E-07	2.21E-07
1720	494611.06, 3858951.99	1.59E-03	5.01E-07	2.13E-07	1.62E-03	5.11E-07	2.17E-07	1.62E-03	5.11E-07	2.17E-07
1721	494661.06, 3858951.99	1.56E-03	4.92E-07	2.09E-07	1.59E-03	5.02E-07	2.13E-07	1.59E-03	5.02E-07	2.13E-07
1722	494711.06, 3858951.99	1.52E-03	4.80E-07	2.04E-07	1.55E-03	4.90E-07	2.08E-07	1.55E-03	4.89E-07	2.08E-07
1723	494761.06, 3858951.99	1.49E-03	4.71E-07	2.00E-07	1.52E-03	4.81E-07	2.04E-07	1.52E-03	4.80E-07	2.04E-07
1724	494811.06, 3858951.99	1.47E-03	4.65E-07	1.97E-07	1.50E-03	4.74E-07	2.01E-07	1.50E-03	4.74E-07	2.01E-07
1725	494861.06, 3858951.99	1.45E-03	4.58E-07	1.94E-07	1.48E-03	4.68E-07	1.98E-07	1.48E-03	4.67E-07	1.98E-07
1726	494911.06, 3858951.99	1.42E-03	4.49E-07	1.91E-07	1.45E-03	4.58E-07	1.94E-07	1.45E-03	4.58E-07	1.94E-07
1727	494961.06, 3858951.99	1.41E-03	4.44E-07	1.88E-07	1.44E-03	4.53E-07	1.92E-07	1.43E-03	4.53E-07	1.92E-07
1728	495011.06, 3858951.99	1.37E-03	4.31E-07	1.83E-07	1.39E-03	4.40E-07	1.87E-07	1.39E-03	4.40E-07	1.86E-07
1729	495061.06, 3858951.99	1.33E-03	4.19E-07	1.78E-07	1.36E-03	4.28E-07	1.81E-07	1.35E-03	4.27E-07	1.81E-07
1730	495111.06, 3858951.99	1.30E-03	4.10E-07	1.74E-07	1.33E-03	4.18E-07	1.77E-07	1.32E-03	4.18E-07	1.77E-07
1731	495161.06, 3858951.99	1.31E-03	4.12E-07	1.75E-07	1.33E-03	4.21E-07	1.78E-07	1.33E-03	4.20E-07	1.78E-07
1732	495211.06, 3858951.99	1.30E-03	4.11E-07	1.74E-07	1.33E-03	4.19E-07	1.78E-07	1.33E-03	4.18E-07	1.78E-07
1733	495261.06, 3858951.99	1.30E-03	4.09E-07	1.73E-07	1.32E-03	4.17E-07	1.77E-07	1.32E-03	4.17E-07	1.77E-07
1734	495311.06, 3858951.99	1.28E-03	4.04E-07	1.71E-07	1.30E-03	4.12E-07	1.75E-07	1.30E-03	4.11E-07	1.75E-07
1735	495361.06, 3858951.99	1.27E-03	4.02E-07	1.71E-07	1.30E-03	4.11E-07	1.74E-07	1.30E-03	4.10E-07	1.74E-07
1736	495411.06, 3858951.99	1.27E-03	4.02E-07	1.70E-07	1.30E-03	4.10E-07	1.74E-07	1.30E-03	4.09E-07	1.74E-07
1737	495461.06, 3858951.99	1.26E-03	3.99E-07	1.69E-07	1.29E-03	4.07E-07	1.73E-07	1.29E-03	4.06E-07	1.72E-07
1738	495511.06, 3858951.99	1.26E-03	3.97E-07	1.69E-07	1.28E-03	4.05E-07	1.72E-07	1.28E-03	4.05E-07	1.72E-07
1739	495561.06, 3858951.99	1.24E-03	3.90E-07	1.66E-07	1.26E-03	3.98E-07	1.69E-07	1.26E-03	3.98E-07	1.69E-07
1740	495611.06, 3858951.99	1.22E-03	3.86E-07	1.64E-07	1.25E-03	3.94E-07	1.67E-07	1.25E-03	3.93E-07	1.67E-07
1741	495661.06, 3858951.99	1.22E-03	3.84E-07	1.63E-07	1.24E-03	3.92E-07	1.66E-07	1.24E-03	3.92E-07	1.66E-07
1742	494311.06, 3859001.99	1.75E-03	5.52E-07	2.34E-07	1.78E-03	5.63E-07	2.39E-07	1.78E-03	5.63E-07	2.39E-07
1743	494361.06, 3859001.99	1.74E-03	5.50E-07	2.33E-07	1.78E-03	5.61E-07	2.38E-07	1.78E-03	5.60E-07	2.38E-07
1744	494411.06, 3859001.99	1.75E-03	5.51E-07	2.34E-07	1.78E-03	5.63E-07	2.39E-07	1.78E-03	5.62E-07	2.38E-07
1745	494461.06, 3859001.99	1.73E-03	5.47E-07	2.32E-07	1.77E-03	5.58E-07	2.37E-07	1.77E-03	5.58E-07	2.37E-07
1746	494511.06, 3859001.99	1.72E-03	5.43E-07	2.30E-07	1.76E-03	5.54E-07	2.35E-07	1.75E-03	5.53E-07	2.35E-07

1747	494561.06, 3859001.99	1.69E-03	5.33E-07	2.26E-07	1.72E-03	5.44E-07	2.31E-07	1.72E-03	5.43E-07	2.30E-07
1748	494611.06, 3859001.99	1.66E-03	5.23E-07	2.22E-07	1.69E-03	5.34E-07	2.27E-07	1.69E-03	5.33E-07	2.26E-07
1749	494661.06, 3859001.99	1.62E-03	5.12E-07	2.17E-07	1.66E-03	5.23E-07	2.22E-07	1.65E-03	5.22E-07	2.22E-07
1750	494711.06, 3859001.99	1.58E-03	5.00E-07	2.12E-07	1.61E-03	5.10E-07	2.16E-07	1.61E-03	5.09E-07	2.16E-07
1751	494761.06, 3859001.99	1.56E-03	4.92E-07	2.09E-07	1.59E-03	5.02E-07	2.13E-07	1.59E-03	5.01E-07	2.13E-07
1752	494811.06, 3859001.99	1.54E-03	4.86E-07	2.06E-07	1.57E-03	4.96E-07	2.11E-07	1.57E-03	4.96E-07	2.10E-07
1753	494861.06, 3859001.99	1.51E-03	4.78E-07	2.03E-07	1.54E-03	4.88E-07	2.07E-07	1.54E-03	4.87E-07	2.07E-07
1754	494911.06, 3859001.99	1.49E-03	4.69E-07	1.99E-07	1.52E-03	4.78E-07	2.03E-07	1.51E-03	4.78E-07	2.03E-07
1755	494961.06, 3859001.99	1.46E-03	4.60E-07	1.95E-07	1.49E-03	4.69E-07	1.99E-07	1.49E-03	4.69E-07	1.99E-07
1756	495011.06, 3859001.99	1.39E-03	4.39E-07	1.86E-07	1.42E-03	4.48E-07	1.90E-07	1.42E-03	4.47E-07	1.90E-07
1757	495061.06, 3859001.99	1.37E-03	4.34E-07	1.84E-07	1.40E-03	4.43E-07	1.88E-07	1.40E-03	4.42E-07	1.88E-07
1758	495111.06, 3859001.99	1.34E-03	4.24E-07	1.80E-07	1.37E-03	4.33E-07	1.84E-07	1.37E-03	4.33E-07	1.84E-07
1759	495161.06, 3859001.99	1.36E-03	4.29E-07	1.82E-07	1.39E-03	4.38E-07	1.86E-07	1.39E-03	4.37E-07	1.86E-07
1760	495211.06, 3859001.99	1.35E-03	4.26E-07	1.81E-07	1.38E-03	4.35E-07	1.84E-07	1.38E-03	4.34E-07	1.84E-07
1761	495261.06, 3859001.99	1.35E-03	4.25E-07	1.80E-07	1.37E-03	4.33E-07	1.84E-07	1.37E-03	4.33E-07	1.84E-07
1762	495311.06, 3859001.99	1.33E-03	4.21E-07	1.79E-07	1.36E-03	4.30E-07	1.82E-07	1.36E-03	4.29E-07	1.82E-07
1763	495361.06, 3859001.99	1.33E-03	4.20E-07	1.78E-07	1.36E-03	4.28E-07	1.82E-07	1.35E-03	4.28E-07	1.81E-07
1764	495411.06, 3859001.99	1.32E-03	4.17E-07	1.77E-07	1.35E-03	4.25E-07	1.81E-07	1.35E-03	4.25E-07	1.80E-07
1765	495461.06, 3859001.99	1.31E-03	4.15E-07	1.76E-07	1.34E-03	4.23E-07	1.80E-07	1.34E-03	4.23E-07	1.79E-07
1766	495511.06, 3859001.99	1.30E-03	4.09E-07	1.73E-07	1.32E-03	4.17E-07	1.77E-07	1.32E-03	4.17E-07	1.77E-07
1767	495561.06, 3859001.99	1.28E-03	4.05E-07	1.72E-07	1.31E-03	4.13E-07	1.75E-07	1.31E-03	4.13E-07	1.75E-07
1768	495611.06, 3859001.99	1.27E-03	4.01E-07	1.70E-07	1.30E-03	4.09E-07	1.73E-07	1.29E-03	4.08E-07	1.73E-07
1769	495661.06, 3859001.99	1.27E-03	4.01E-07	1.70E-07	1.30E-03	4.09E-07	1.74E-07	1.30E-03	4.09E-07	1.73E-07
1770	494311.06, 3859051.99	1.85E-03	5.83E-07	2.47E-07	1.89E-03	5.95E-07	2.53E-07	1.88E-03	5.95E-07	2.52E-07
1771	494361.06, 3859051.99	1.86E-03	5.86E-07	2.49E-07	1.90E-03	5.98E-07	2.54E-07	1.89E-03	5.98E-07	2.54E-07
1772	494411.06, 3859051.99	1.84E-03	5.80E-07	2.46E-07	1.88E-03	5.92E-07	2.51E-07	1.87E-03	5.91E-07	2.51E-07
1773	494461.06, 3859051.99	1.81E-03	5.73E-07	2.43E-07	1.85E-03	5.84E-07	2.48E-07	1.85E-03	5.84E-07	2.48E-07
1774	494511.06, 3859051.99	1.78E-03	5.63E-07	2.39E-07	1.82E-03	5.75E-07	2.44E-07	1.82E-03	5.74E-07	2.44E-07
1775	494561.06, 3859051.99	1.76E-03	5.55E-07	2.36E-07	1.80E-03	5.67E-07	2.40E-07	1.79E-03	5.66E-07	2.40E-07
1776	494611.06, 3859051.99	1.73E-03	5.45E-07	2.31E-07	1.76E-03	5.56E-07	2.36E-07	1.76E-03	5.55E-07	2.36E-07
1777	494661.06, 3859051.99	1.69E-03	5.34E-07	2.26E-07	1.73E-03	5.45E-07	2.31E-07	1.72E-03	5.44E-07	2.31E-07
1778	494711.06, 3859051.99	1.66E-03	5.24E-07	2.22E-07	1.69E-03	5.34E-07	2.27E-07	1.69E-03	5.34E-07	2.26E-07
1779	494761.06, 3859051.99	1.63E-03	5.13E-07	2.18E-07	1.66E-03	5.24E-07	2.22E-07	1.66E-03	5.23E-07	2.22E-07
1780	494811.06, 3859051.99	1.60E-03	5.06E-07	2.15E-07	1.64E-03	5.16E-07	2.19E-07	1.63E-03	5.15E-07	2.19E-07
1781	494861.06, 3859051.99	1.58E-03	4.98E-07	2.11E-07	1.61E-03	5.08E-07	2.16E-07	1.61E-03	5.08E-07	2.15E-07
1782	494911.06, 3859051.99	1.54E-03	4.87E-07	2.07E-07	1.57E-03	4.97E-07	2.11E-07	1.57E-03	4.96E-07	2.11E-07
1783	494961.06, 3859051.99	1.49E-03	4.71E-07	2.00E-07	1.52E-03	4.81E-07	2.04E-07	1.52E-03	4.80E-07	2.04E-07
1784	495011.06, 3859051.99	1.46E-03	4.60E-07	1.95E-07	1.49E-03	4.69E-07	1.99E-07	1.48E-03	4.68E-07	1.99E-07
1785	495061.06, 3859051.99	1.43E-03	4.52E-07	1.92E-07	1.46E-03	4.61E-07	1.95E-07	1.46E-03	4.60E-07	1.95E-07
1786	495111.06, 3859051.99	1.41E-03	4.46E-07	1.89E-07	1.44E-03	4.56E-07	1.93E-07	1.44E-03	4.55E-07	1.93E-07
1787	495161.06, 3859051.99	1.42E-03	4.48E-07	1.90E-07	1.45E-03	4.57E-07	1.94E-07	1.45E-03	4.57E-07	1.94E-07
1788	495211.06, 3859051.99	1.40E-03	4.42E-07	1.88E-07	1.43E-03	4.51E-07	1.91E-07	1.43E-03	4.51E-07	1.91E-07
1789	495261.06, 3859051.99	1.40E-03	4.42E-07	1.88E-07	1.43E-03	4.51E-07	1.91E-07	1.43E-03	4.51E-07	1.91E-07
1790	495311.06, 3859051.99	1.39E-03	4.38E-07	1.86E-07	1.42E-03	4.47E-07	1.90E-07	1.41E-03	4.46E-07	1.89E-07
1791	495361.06, 3859051.99	1.38E-03	4.35E-07	1.85E-07	1.41E-03	4.44E-07	1.88E-07	1.41E-03	4.44E-07	1.88E-07
1792	495411.06, 3859051.99	1.37E-03	4.34E-07	1.84E-07	1.40E-03	4.43E-07	1.88E-07	1.40E-03	4.42E-07	1.88E-07
1793	495461.06, 3859051.99	1.37E-03	4.32E-07	1.83E-07	1.40E-03	4.41E-07	1.87E-07	1.40E-03	4.40E-07	1.87E-07
1794	495511.06, 3859051.99	1.35E-03	4.26E-07	1.81E-07	1.38E-03	4.34E-07	1.84E-07	1.37E-03	4.34E-07	1.84E-07
1795	495561.06, 3859051.99	1.33E-03	4.20E-07	1.78E-07	1.36E-03	4.29E-07	1.82E-07	1.36E-03	4.28E-07	1.82E-07
1796	495611.06, 3859051.99	1.32E-03	4.16E-07	1.76E-07	1.34E-03	4.24E-07	1.80E-07	1.34E-03	4.24E-07	1.80E-07
1797	495661.06, 3859051.99	1.32E-03	4.16E-07	1.76E-07	1.34E-03	4.24E-07	1.80E-07	1.34E-03	4.24E-07	1.80E-07
1798	494311.06, 3859101.99	1.97E-03	6.22E-07	2.64E-07	2.01E-03	6.34E-07	2.69E-07	2.01E-03	6.34E-07	2.69E-07
1799	494361.06, 3859101.99	1.95E-03	6.15E-07	2.61E-07	1.99E-03	6.28E-07	2.66E-07	1.99E-03	6.27E-07	2.66E-07
1800	494411.06, 3859101.99	1.93E-03	6.10E-07	2.59E-07	1.97E-03	6.22E-07	2.64E-07	1.97E-03	6.22E-07	2.64E-07
1801	494461.06, 3859101.99	1.91E-03	6.01E-07	2.55E-07	1.94E-03	6.14E-07	2.60E-07	1.94E-03	6.13E-07	2.60E-07
1802	494511.06, 3859101.99	1.87E-03	5.89E-07	2.50E-07	1.91E-03	6.01E-07	2.55E-07	1.90E-03	6.01E-07	2.55E-07
1803	494561.06, 3859101.99	1.84E-03	5.80E-07	2.46E-07	1.87E-03	5.92E-07	2.51E-07	1.87E-03	5.91E-07	2.51E-07
1804	494611.06, 3859101.99	1.79E-03	5.66E-07	2.40E-07	1.83E-03	5.78E-07	2.45E-07	1.83E-03	5.77E-07	2.45E-07
1805	494661.06, 3859101.99	1.77E-03	5.57E-07	2.36E-07	1.80E-03	5.68E-07	2.41E-07	1.80E-03	5.68E-07	2.41E-07
1806	494711.06, 3859101.99	1.72E-03	5.42E-07	2.30E-07	1.75E-03	5.53E-07	2.35E-07	1.75E-03	5.53E-07	2.34E-07
1807	494761.06, 3859101.99	1.70E-03	5.37E-07	2.28E-07	1.74E-03	5.48E-07	2.33E-07	1.74E-03	5.48E-07	2.32E-07
1808	494811.06, 3859101.99	1.67E-03	5.27E-07	2.24E-07	1.71E-03	5.38E-07	2.28E-07	1.70E-03	5.38E-07	2.28E-07
1809	494861.06, 3859101.99	1.64E-03	5.19E-07	2.20E-07	1.68E-03	5.29E-07	2.25E-07	1.67E-03	5.29E-07	2.24E-07
1810	494911.06, 3859101.99	1.60E-03	5.06E-07	2.15E-07	1.64E-03	5.17E-07	2.19E-07	1.64E-03	5.16E-07	2.19E-07
1811	494961.06, 3859101.99	1.55E-03	4.89E-07	2.07E-07	1.58E-03	4.99E-07	2.12E-07	1.58E-03	4.98E-07	2.11E-07
1812	495011.06, 3859101.99	1.49E-03	4.72E-07	2.00E-07	1.52E-03	4.81E-07	2.04E-07	1.52E-03	4.81E-07	2.04E-07
1813	495061.06, 3859101.99	1.49E-03	4.70E-07	1.99E-07	1.52E-03	4.80E-07	2.03E-07	1.52E-03	4.79E-07	2.03E-07
1814	495111.06, 3859101.99	1.47E-03	4.64E-07	1.97E-07	1.50E-03	4.74E-07	2.01E-07	1.50E-03	4.73E-07	2.01E-07
1815	495161.06, 3859101.99	1.47E-03	4.65E-07	1.97E-07	1.50E-03	4.75E-07	2.02E-07	1.50E-03	4.74E-07	2.01E-07
1816	495211.06, 3859101.99	1.46E-03	4.60E-07	1.95E-07	1.49E-03	4.69E-07	1.99E-07	1.49E-03	4.69E-07	1.99E-07

1817	495261.06, 3859101.99	1.45E-03	4.58E-07	1.95E-07	1.48E-03	4.68E-07	1.99E-07	1.48E-03	4.67E-07	1.98E-07
1818	495311.06, 3859101.99	1.44E-03	4.54E-07	1.93E-07	1.47E-03	4.63E-07	1.97E-07	1.47E-03	4.63E-07	1.96E-07
1819	495361.06, 3859101.99	1.44E-03	4.54E-07	1.93E-07	1.47E-03	4.64E-07	1.97E-07	1.47E-03	4.63E-07	1.96E-07
1820	495411.06, 3859101.99	1.43E-03	4.52E-07	1.92E-07	1.46E-03	4.61E-07	1.96E-07	1.46E-03	4.60E-07	1.95E-07
1821	495461.06, 3859101.99	1.41E-03	4.45E-07	1.89E-07	1.44E-03	4.54E-07	1.92E-07	1.44E-03	4.53E-07	1.92E-07
1822	495511.06, 3859101.99	1.40E-03	4.41E-07	1.87E-07	1.43E-03	4.50E-07	1.91E-07	1.42E-03	4.49E-07	1.91E-07
1823	495561.06, 3859101.99	1.39E-03	4.38E-07	1.86E-07	1.42E-03	4.47E-07	1.90E-07	1.41E-03	4.46E-07	1.89E-07
1824	495611.06, 3859101.99	1.37E-03	4.32E-07	1.83E-07	1.40E-03	4.41E-07	1.87E-07	1.40E-03	4.40E-07	1.87E-07
1825	495661.06, 3859101.99	1.36E-03	4.30E-07	1.83E-07	1.39E-03	4.39E-07	1.86E-07	1.39E-03	4.39E-07	1.86E-07
1826	494311.06, 3859151.99	2.07E-03	6.54E-07	2.78E-07	2.11E-03	6.67E-07	2.83E-07	2.11E-03	6.67E-07	2.83E-07
1827	494361.06, 3859151.99	2.06E-03	6.49E-07	2.75E-07	2.10E-03	6.62E-07	2.81E-07	2.10E-03	6.62E-07	2.81E-07
1828	494411.06, 3859151.99	2.02E-03	6.38E-07	2.71E-07	2.06E-03	6.51E-07	2.76E-07	2.06E-03	6.50E-07	2.76E-07
1829	494461.06, 3859151.99	1.99E-03	6.27E-07	2.66E-07	2.03E-03	6.40E-07	2.72E-07	2.03E-03	6.39E-07	2.71E-07
1830	494511.06, 3859151.99	1.94E-03	6.13E-07	2.60E-07	1.98E-03	6.26E-07	2.66E-07	1.98E-03	6.25E-07	2.65E-07
1831	494561.06, 3859151.99	1.92E-03	6.05E-07	2.57E-07	1.96E-03	6.17E-07	2.62E-07	1.95E-03	6.16E-07	2.61E-07
1832	494611.06, 3859151.99	1.87E-03	5.91E-07	2.51E-07	1.91E-03	6.03E-07	2.56E-07	1.91E-03	6.03E-07	2.56E-07
1833	494661.06, 3859151.99	1.85E-03	5.82E-07	2.47E-07	1.88E-03	5.94E-07	2.52E-07	1.88E-03	5.94E-07	2.52E-07
1834	494711.06, 3859151.99	1.82E-03	5.75E-07	2.44E-07	1.86E-03	5.86E-07	2.49E-07	1.86E-03	5.86E-07	2.49E-07
1835	494761.06, 3859151.99	1.77E-03	5.60E-07	2.38E-07	1.81E-03	5.71E-07	2.42E-07	1.81E-03	5.71E-07	2.42E-07
1836	494811.06, 3859151.99	1.74E-03	5.48E-07	2.32E-07	1.77E-03	5.59E-07	2.37E-07	1.77E-03	5.58E-07	2.37E-07
1837	494861.06, 3859151.99	1.71E-03	5.39E-07	2.29E-07	1.74E-03	5.51E-07	2.34E-07	1.74E-03	5.50E-07	2.33E-07
1838	494911.06, 3859151.99	1.66E-03	5.25E-07	2.23E-07	1.70E-03	5.36E-07	2.27E-07	1.70E-03	5.35E-07	2.27E-07
1839	494961.06, 3859151.99	1.60E-03	5.05E-07	2.14E-07	1.63E-03	5.16E-07	2.19E-07	1.63E-03	5.15E-07	2.18E-07
1840	495011.06, 3859151.99	1.55E-03	4.90E-07	2.08E-07	1.59E-03	5.01E-07	2.12E-07	1.58E-03	5.00E-07	2.12E-07
1841	495061.06, 3859151.99	1.54E-03	4.87E-07	2.07E-07	1.58E-03	4.97E-07	2.11E-07	1.57E-03	4.97E-07	2.11E-07
1842	495111.06, 3859151.99	1.53E-03	4.83E-07	2.05E-07	1.56E-03	4.93E-07	2.09E-07	1.56E-03	4.92E-07	2.09E-07
1843	495161.06, 3859151.99	1.53E-03	4.84E-07	2.05E-07	1.57E-03	4.94E-07	2.10E-07	1.56E-03	4.93E-07	2.09E-07
1844	495211.06, 3859151.99	1.52E-03	4.80E-07	2.04E-07	1.55E-03	4.90E-07	2.08E-07	1.55E-03	4.89E-07	2.08E-07
1845	495261.06, 3859151.99	1.51E-03	4.76E-07	2.02E-07	1.54E-03	4.86E-07	2.06E-07	1.54E-03	4.86E-07	2.06E-07
1846	495311.06, 3859151.99	1.50E-03	4.73E-07	2.01E-07	1.53E-03	4.83E-07	2.05E-07	1.53E-03	4.82E-07	2.05E-07
1847	495361.06, 3859151.99	1.49E-03	4.70E-07	1.99E-07	1.52E-03	4.79E-07	2.03E-07	1.52E-03	4.79E-07	2.03E-07
1848	495411.06, 3859151.99	1.49E-03	4.70E-07	2.00E-07	1.52E-03	4.80E-07	2.04E-07	1.52E-03	4.80E-07	2.03E-07
1849	495461.06, 3859151.99	1.48E-03	4.67E-07	1.98E-07	1.51E-03	4.77E-07	2.02E-07	1.51E-03	4.76E-07	2.02E-07
1850	495511.06, 3859151.99	1.46E-03	4.60E-07	1.95E-07	1.49E-03	4.70E-07	1.99E-07	1.49E-03	4.69E-07	1.99E-07
1851	495561.06, 3859151.99	1.44E-03	4.55E-07	1.93E-07	1.47E-03	4.64E-07	1.97E-07	1.47E-03	4.64E-07	1.97E-07
1852	495611.06, 3859151.99	1.43E-03	4.50E-07	1.91E-07	1.46E-03	4.60E-07	1.95E-07	1.45E-03	4.59E-07	1.95E-07
1853	495661.06, 3859151.99	1.41E-03	4.46E-07	1.89E-07	1.44E-03	4.55E-07	1.93E-07	1.44E-03	4.55E-07	1.93E-07
1854	494311.06, 3859201.99	2.18E-03	6.87E-07	2.92E-07	2.22E-03	7.01E-07	2.98E-07	2.22E-03	7.01E-07	2.97E-07
1855	494361.06, 3859201.99	2.15E-03	6.79E-07	2.88E-07	2.20E-03	6.93E-07	2.94E-07	2.19E-03	6.92E-07	2.94E-07
1856	494411.06, 3859201.99	2.12E-03	6.69E-07	2.84E-07	2.16E-03	6.83E-07	2.90E-07	2.16E-03	6.82E-07	2.89E-07
1857	494461.06, 3859201.99	2.07E-03	6.54E-07	2.78E-07	2.12E-03	6.68E-07	2.83E-07	2.11E-03	6.67E-07	2.83E-07
1858	494511.06, 3859201.99	2.04E-03	6.44E-07	2.73E-07	2.08E-03	6.58E-07	2.79E-07	2.08E-03	6.57E-07	2.79E-07
1859	494561.06, 3859201.99	1.99E-03	6.29E-07	2.67E-07	2.03E-03	6.42E-07	2.72E-07	2.03E-03	6.41E-07	2.72E-07
1860	494611.06, 3859201.99	1.95E-03	6.17E-07	2.62E-07	1.99E-03	6.29E-07	2.67E-07	1.99E-03	6.29E-07	2.67E-07
1861	494661.06, 3859201.99	1.92E-03	6.07E-07	2.58E-07	1.96E-03	6.20E-07	2.63E-07	1.96E-03	6.19E-07	2.63E-07
1862	494711.06, 3859201.99	1.89E-03	5.97E-07	2.53E-07	1.93E-03	6.10E-07	2.59E-07	1.93E-03	6.09E-07	2.58E-07
1863	494761.06, 3859201.99	1.85E-03	5.83E-07	2.47E-07	1.88E-03	5.95E-07	2.52E-07	1.88E-03	5.94E-07	2.52E-07
1864	494811.06, 3859201.99	1.81E-03	5.70E-07	2.42E-07	1.84E-03	5.82E-07	2.47E-07	1.84E-03	5.81E-07	2.47E-07
1865	494861.06, 3859201.99	1.76E-03	5.55E-07	2.35E-07	1.79E-03	5.66E-07	2.40E-07	1.79E-03	5.66E-07	2.40E-07
1866	494911.06, 3859201.99	1.71E-03	5.40E-07	2.29E-07	1.75E-03	5.51E-07	2.34E-07	1.75E-03	5.51E-07	2.34E-07
1867	494961.06, 3859201.99	1.66E-03	5.24E-07	2.22E-07	1.69E-03	5.34E-07	2.27E-07	1.69E-03	5.34E-07	2.27E-07
1868	495011.06, 3859201.99	1.59E-03	5.03E-07	2.13E-07	1.63E-03	5.13E-07	2.18E-07	1.62E-03	5.13E-07	2.17E-07
1869	495061.06, 3859201.99	1.61E-03	5.08E-07	2.15E-07	1.64E-03	5.18E-07	2.20E-07	1.64E-03	5.18E-07	2.20E-07
1870	495111.06, 3859201.99	1.60E-03	5.06E-07	2.14E-07	1.63E-03	5.16E-07	2.19E-07	1.63E-03	5.15E-07	2.19E-07
1871	495161.06, 3859201.99	1.59E-03	5.02E-07	2.13E-07	1.62E-03	5.13E-07	2.18E-07	1.62E-03	5.12E-07	2.17E-07
1872	495211.06, 3859201.99	1.57E-03	4.97E-07	2.11E-07	1.61E-03	5.07E-07	2.15E-07	1.60E-03	5.06E-07	2.15E-07
1873	495261.06, 3859201.99	1.57E-03	4.95E-07	2.10E-07	1.60E-03	5.05E-07	2.14E-07	1.60E-03	5.04E-07	2.14E-07
1874	495311.06, 3859201.99	1.56E-03	4.91E-07	2.08E-07	1.59E-03	5.01E-07	2.13E-07	1.59E-03	5.01E-07	2.12E-07
1875	495361.06, 3859201.99	1.55E-03	4.89E-07	2.07E-07	1.58E-03	4.99E-07	2.12E-07	1.58E-03	4.98E-07	2.11E-07
1876	495411.06, 3859201.99	1.55E-03	4.88E-07	2.07E-07	1.58E-03	4.98E-07	2.11E-07	1.58E-03	4.98E-07	2.11E-07
1877	495461.06, 3859201.99	1.53E-03	4.84E-07	2.05E-07	1.56E-03	4.94E-07	2.10E-07	1.56E-03	4.93E-07	2.09E-07
1878	495511.06, 3859201.99	1.52E-03	4.80E-07	2.04E-07	1.55E-03	4.89E-07	2.08E-07	1.55E-03	4.89E-07	2.07E-07
1879	495561.06, 3859201.99	1.50E-03	4.72E-07	2.00E-07	1.53E-03	4.82E-07	2.04E-07	1.52E-03	4.81E-07	2.04E-07
1880	495611.06, 3859201.99	1.48E-03	4.66E-07	1.98E-07	1.51E-03	4.76E-07	2.02E-07	1.51E-03	4.75E-07	2.02E-07
1881	495661.06, 3859201.99	1.46E-03	4.62E-07	1.96E-07	1.49E-03	4.71E-07	2.00E-07	1.49E-03	4.71E-07	2.00E-07
1882	494311.06, 3859251.99	2.29E-03	7.23E-07	3.07E-07	2.34E-03	7.37E-07	3.13E-07	2.33E-03	7.37E-07	3.13E-07
1883	494361.06, 3859251.99	2.25E-03	7.10E-07	3.01E-07	2.30E-03	7.25E-07	3.07E-07	2.29E-03	7.24E-07	3.07E-07
1884	494411.06, 3859251.99	2.20E-03	6.94E-07	2.94E-07	2.24E-03	7.08E-07	3.00E-07	2.24E-03	7.07E-07	3.00E-07
1885	494461.06, 3859251.99	2.16E-03	6.83E-07	2.90E-07	2.21E-03	6.97E-07	2.96E-07	2.20E-03	6.96E-07	2.95E-07
1886	494511.06, 3859251.99	2.11E-03	6.66E-07	2.83E-07	2.15E-03	6.79E-07	2.88E-07	2.15E-03	6.79E-07	2.88E-07

1887	494561.06, 3859251.99	2.07E-03	6.55E-07	2.78E-07	2.12E-03	6.68E-07	2.83E-07	2.11E-03	6.67E-07	2.83E-07
1888	494611.06, 3859251.99	2.03E-03	6.40E-07	2.72E-07	2.07E-03	6.54E-07	2.77E-07	2.07E-03	6.53E-07	2.77E-07
1889	494661.06, 3859251.99	2.00E-03	6.32E-07	2.68E-07	2.04E-03	6.45E-07	2.74E-07	2.04E-03	6.44E-07	2.73E-07
1890	494711.06, 3859251.99	1.97E-03	6.22E-07	2.64E-07	2.01E-03	6.34E-07	2.69E-07	2.01E-03	6.34E-07	2.69E-07
1891	494761.06, 3859251.99	1.89E-03	5.96E-07	2.53E-07	1.93E-03	6.08E-07	2.58E-07	1.93E-03	6.08E-07	2.58E-07
1892	494811.06, 3859251.99	1.88E-03	5.93E-07	2.52E-07	1.92E-03	6.05E-07	2.57E-07	1.92E-03	6.05E-07	2.57E-07
1893	494861.06, 3859251.99	1.81E-03	5.70E-07	2.42E-07	1.84E-03	5.82E-07	2.47E-07	1.84E-03	5.81E-07	2.47E-07
1894	494911.06, 3859251.99	1.76E-03	5.56E-07	2.36E-07	1.80E-03	5.67E-07	2.41E-07	1.79E-03	5.66E-07	2.40E-07
1895	494961.06, 3859251.99	1.73E-03	5.46E-07	2.32E-07	1.76E-03	5.57E-07	2.36E-07	1.76E-03	5.56E-07	2.36E-07
1896	495011.06, 3859251.99	1.69E-03	5.35E-07	2.27E-07	1.73E-03	5.45E-07	2.31E-07	1.73E-03	5.45E-07	2.31E-07
1897	495061.06, 3859251.99	1.69E-03	5.33E-07	2.26E-07	1.72E-03	5.44E-07	2.31E-07	1.72E-03	5.43E-07	2.30E-07
1898	495111.06, 3859251.99	1.67E-03	5.27E-07	2.24E-07	1.70E-03	5.38E-07	2.28E-07	1.70E-03	5.37E-07	2.28E-07
1899	495161.06, 3859251.99	1.66E-03	5.24E-07	2.22E-07	1.69E-03	5.34E-07	2.27E-07	1.69E-03	5.34E-07	2.26E-07
1900	495211.06, 3859251.99	1.64E-03	5.18E-07	2.20E-07	1.67E-03	5.28E-07	2.24E-07	1.67E-03	5.27E-07	2.24E-07
1901	495261.06, 3859251.99	1.62E-03	5.12E-07	2.17E-07	1.66E-03	5.23E-07	2.22E-07	1.65E-03	5.22E-07	2.21E-07
1902	495311.06, 3859251.99	1.62E-03	5.12E-07	2.17E-07	1.66E-03	5.23E-07	2.22E-07	1.65E-03	5.22E-07	2.21E-07
1903	495361.06, 3859251.99	1.61E-03	5.08E-07	2.16E-07	1.64E-03	5.18E-07	2.20E-07	1.64E-03	5.18E-07	2.20E-07
1904	495411.06, 3859251.99	1.61E-03	5.07E-07	2.15E-07	1.64E-03	5.17E-07	2.19E-07	1.64E-03	5.17E-07	2.19E-07
1905	495461.06, 3859251.99	1.59E-03	5.02E-07	2.13E-07	1.62E-03	5.13E-07	2.18E-07	1.62E-03	5.12E-07	2.17E-07
1906	495511.06, 3859251.99	1.57E-03	4.94E-07	2.10E-07	1.60E-03	5.04E-07	2.14E-07	1.60E-03	5.04E-07	2.14E-07
1907	495561.06, 3859251.99	1.55E-03	4.89E-07	2.07E-07	1.58E-03	4.99E-07	2.12E-07	1.58E-03	4.98E-07	2.11E-07
1908	495611.06, 3859251.99	1.53E-03	4.82E-07	2.04E-07	1.56E-03	4.91E-07	2.09E-07	1.56E-03	4.91E-07	2.08E-07
1909	495661.06, 3859251.99	1.51E-03	4.76E-07	2.02E-07	1.54E-03	4.86E-07	2.06E-07	1.54E-03	4.86E-07	2.06E-07
1910	494311.06, 3859301.99	2.40E-03	7.58E-07	3.22E-07	2.45E-03	7.73E-07	3.28E-07	2.45E-03	7.73E-07	3.28E-07
1911	494361.06, 3859301.99	2.36E-03	7.44E-07	3.15E-07	2.40E-03	7.59E-07	3.22E-07	2.40E-03	7.58E-07	3.22E-07
1912	494411.06, 3859301.99	2.30E-03	7.26E-07	3.08E-07	2.35E-03	7.41E-07	3.14E-07	2.34E-03	7.40E-07	3.14E-07
1913	494461.06, 3859301.99	2.24E-03	7.08E-07	3.01E-07	2.29E-03	7.23E-07	3.07E-07	2.29E-03	7.22E-07	3.06E-07
1914	494511.06, 3859301.99	2.20E-03	6.94E-07	2.94E-07	2.24E-03	7.08E-07	3.00E-07	2.24E-03	7.07E-07	3.00E-07
1915	494561.06, 3859301.99	2.16E-03	6.82E-07	2.89E-07	2.20E-03	6.95E-07	2.95E-07	2.20E-03	6.95E-07	2.95E-07
1916	494611.06, 3859301.99	2.12E-03	6.68E-07	2.84E-07	2.16E-03	6.82E-07	2.89E-07	2.16E-03	6.81E-07	2.89E-07
1917	494661.06, 3859301.99	2.08E-03	6.56E-07	2.78E-07	2.12E-03	6.70E-07	2.84E-07	2.12E-03	6.69E-07	2.84E-07
1918	494711.06, 3859301.99	2.03E-03	6.42E-07	2.72E-07	2.07E-03	6.55E-07	2.78E-07	2.07E-03	6.54E-07	2.77E-07
1919	494761.06, 3859301.99	1.99E-03	6.29E-07	2.67E-07	2.03E-03	6.42E-07	2.72E-07	2.03E-03	6.41E-07	2.72E-07
1920	494811.06, 3859301.99	1.94E-03	6.12E-07	2.60E-07	1.98E-03	6.25E-07	2.65E-07	1.98E-03	6.24E-07	2.65E-07
1921	494861.06, 3859301.99	1.87E-03	5.90E-07	2.51E-07	1.91E-03	6.03E-07	2.56E-07	1.91E-03	6.02E-07	2.55E-07
1922	494911.06, 3859301.99	1.83E-03	5.79E-07	2.46E-07	1.87E-03	5.91E-07	2.51E-07	1.87E-03	5.90E-07	2.50E-07
1923	494961.06, 3859301.99	1.77E-03	5.58E-07	2.37E-07	1.80E-03	5.69E-07	2.41E-07	1.80E-03	5.68E-07	2.41E-07
1924	495011.06, 3859301.99	1.74E-03	5.49E-07	2.33E-07	1.78E-03	5.60E-07	2.38E-07	1.77E-03	5.60E-07	2.37E-07
1925	495061.06, 3859301.99	1.75E-03	5.53E-07	2.35E-07	1.79E-03	5.64E-07	2.39E-07	1.79E-03	5.64E-07	2.39E-07
1926	495111.06, 3859301.99	1.72E-03	5.43E-07	2.30E-07	1.76E-03	5.54E-07	2.35E-07	1.75E-03	5.53E-07	2.35E-07
1927	495161.06, 3859301.99	1.71E-03	5.40E-07	2.29E-07	1.75E-03	5.51E-07	2.34E-07	1.74E-03	5.51E-07	2.34E-07
1928	495211.06, 3859301.99	1.71E-03	5.40E-07	2.29E-07	1.75E-03	5.51E-07	2.34E-07	1.74E-03	5.50E-07	2.34E-07
1929	495261.06, 3859301.99	1.70E-03	5.37E-07	2.28E-07	1.74E-03	5.48E-07	2.33E-07	1.73E-03	5.48E-07	2.32E-07
1930	495311.06, 3859301.99	1.68E-03	5.29E-07	2.25E-07	1.71E-03	5.40E-07	2.29E-07	1.71E-03	5.39E-07	2.29E-07
1931	495361.06, 3859301.99	1.67E-03	5.27E-07	2.24E-07	1.70E-03	5.38E-07	2.28E-07	1.70E-03	5.37E-07	2.28E-07
1932	495411.06, 3859301.99	1.66E-03	5.24E-07	2.22E-07	1.69E-03	5.34E-07	2.27E-07	1.69E-03	5.34E-07	2.26E-07
1933	495461.06, 3859301.99	1.65E-03	5.20E-07	2.21E-07	1.68E-03	5.31E-07	2.25E-07	1.68E-03	5.30E-07	2.25E-07
1934	495511.06, 3859301.99	1.63E-03	5.13E-07	2.18E-07	1.66E-03	5.23E-07	2.22E-07	1.66E-03	5.23E-07	2.22E-07
1935	495561.06, 3859301.99	1.59E-03	5.02E-07	2.13E-07	1.62E-03	5.13E-07	2.18E-07	1.62E-03	5.12E-07	2.17E-07
1936	495611.06, 3859301.99	1.57E-03	4.97E-07	2.11E-07	1.61E-03	5.07E-07	2.15E-07	1.60E-03	5.06E-07	2.15E-07
1937	495661.06, 3859301.99	1.56E-03	4.91E-07	2.08E-07	1.59E-03	5.01E-07	2.13E-07	1.59E-03	5.01E-07	2.12E-07
1938	494311.06, 3859351.99	2.50E-03	7.90E-07	3.35E-07	2.55E-03	8.06E-07	3.42E-07	2.55E-03	8.05E-07	3.42E-07
1939	494361.06, 3859351.99	2.45E-03	7.74E-07	3.28E-07	2.50E-03	7.90E-07	3.35E-07	2.50E-03	7.89E-07	3.35E-07
1940	494411.06, 3859351.99	2.39E-03	7.53E-07	3.20E-07	2.44E-03	7.69E-07	3.26E-07	2.43E-03	7.68E-07	3.26E-07
1941	494461.06, 3859351.99	2.33E-03	7.36E-07	3.12E-07	2.38E-03	7.51E-07	3.19E-07	2.38E-03	7.50E-07	3.18E-07
1942	494511.06, 3859351.99	2.28E-03	7.20E-07	3.06E-07	2.33E-03	7.35E-07	3.12E-07	2.33E-03	7.34E-07	3.12E-07
1943	494561.06, 3859351.99	2.25E-03	7.09E-07	3.01E-07	2.29E-03	7.23E-07	3.07E-07	2.29E-03	7.22E-07	3.06E-07
1944	494611.06, 3859351.99	2.20E-03	6.95E-07	2.95E-07	2.25E-03	7.10E-07	3.01E-07	2.25E-03	7.09E-07	3.01E-07
1945	494661.06, 3859351.99	2.16E-03	6.82E-07	2.89E-07	2.20E-03	6.96E-07	2.95E-07	2.20E-03	6.95E-07	2.95E-07
1946	494711.06, 3859351.99	2.11E-03	6.65E-07	2.82E-07	2.15E-03	6.79E-07	2.88E-07	2.15E-03	6.78E-07	2.88E-07
1947	494761.06, 3859351.99	2.04E-03	6.43E-07	2.73E-07	2.08E-03	6.56E-07	2.78E-07	2.08E-03	6.55E-07	2.78E-07
1948	494811.06, 3859351.99	1.97E-03	6.21E-07	2.64E-07	2.01E-03	6.34E-07	2.69E-07	2.01E-03	6.33E-07	2.69E-07
1949	494861.06, 3859351.99	1.93E-03	6.10E-07	2.59E-07	1.97E-03	6.23E-07	2.64E-07	1.97E-03	6.22E-07	2.64E-07
1950	494911.06, 3859351.99	1.91E-03	6.03E-07	2.56E-07	1.95E-03	6.15E-07	2.61E-07	1.95E-03	6.14E-07	2.61E-07
1951	494961.06, 3859351.99	1.87E-03	5.91E-07	2.51E-07	1.91E-03	6.03E-07	2.56E-07	1.91E-03	6.02E-07	2.56E-07
1952	495011.06, 3859351.99	1.84E-03	5.82E-07	2.47E-07	1.88E-03	5.94E-07	2.52E-07	1.88E-03	5.93E-07	2.52E-07
1953	495061.06, 3859351.99	1.85E-03	5.84E-07	2.48E-07	1.89E-03	5.95E-07	2.53E-07	1.88E-03	5.95E-07	2.52E-07
1954	495111.06, 3859351.99	1.82E-03	5.74E-07	2.44E-07	1.86E-03	5.86E-07	2.49E-07	1.85E-03	5.85E-07	2.48E-07
1955	495161.06, 3859351.99	1.80E-03	5.69E-07	2.41E-07	1.84E-03	5.80E-07	2.46E-07	1.84E-03	5.79E-07	2.46E-07
1956	495211.06, 3859351.99	1.78E-03	5.63E-07	2.39E-07	1.82E-03	5.74E-07	2.44E-07	1.82E-03	5.73E-07	2.43E-07

1957	495261.06, 3859351.99	1.77E-03	5.59E-07	2.37E-07	1.81E-03	5.71E-07	2.42E-07	1.81E-03	5.70E-07	2.42E-07
1958	495311.06, 3859351.99	1.75E-03	5.51E-07	2.34E-07	1.78E-03	5.63E-07	2.39E-07	1.78E-03	5.62E-07	2.38E-07
1959	495361.06, 3859351.99	1.73E-03	5.46E-07	2.32E-07	1.77E-03	5.57E-07	2.36E-07	1.76E-03	5.56E-07	2.36E-07
1960	495411.06, 3859351.99	1.72E-03	5.42E-07	2.30E-07	1.75E-03	5.54E-07	2.35E-07	1.75E-03	5.53E-07	2.35E-07
1961	495461.06, 3859351.99	1.71E-03	5.40E-07	2.29E-07	1.75E-03	5.51E-07	2.34E-07	1.74E-03	5.50E-07	2.34E-07
1962	495511.06, 3859351.99	1.68E-03	5.30E-07	2.25E-07	1.71E-03	5.41E-07	2.30E-07	1.71E-03	5.40E-07	2.29E-07
1963	495561.06, 3859351.99	1.66E-03	5.22E-07	2.22E-07	1.69E-03	5.33E-07	2.26E-07	1.69E-03	5.33E-07	2.26E-07
1964	495611.06, 3859351.99	1.64E-03	5.17E-07	2.19E-07	1.67E-03	5.27E-07	2.24E-07	1.67E-03	5.26E-07	2.23E-07
1965	495661.06, 3859351.99	1.61E-03	5.07E-07	2.15E-07	1.64E-03	5.17E-07	2.20E-07	1.64E-03	5.17E-07	2.19E-07
1966	494311.06, 3859401.99	2.62E-03	8.27E-07	3.51E-07	2.67E-03	8.44E-07	3.58E-07	2.67E-03	8.43E-07	3.58E-07
1967	494361.06, 3859401.99	2.55E-03	8.04E-07	3.41E-07	2.60E-03	8.21E-07	3.48E-07	2.60E-03	8.20E-07	3.48E-07
1968	494411.06, 3859401.99	2.48E-03	7.81E-07	3.32E-07	2.53E-03	7.97E-07	3.38E-07	2.52E-03	7.97E-07	3.38E-07
1969	494461.06, 3859401.99	2.42E-03	7.64E-07	3.24E-07	2.47E-03	7.80E-07	3.31E-07	2.47E-03	7.79E-07	3.31E-07
1970	494511.06, 3859401.99	2.38E-03	7.52E-07	3.19E-07	2.43E-03	7.68E-07	3.26E-07	2.43E-03	7.67E-07	3.25E-07
1971	494561.06, 3859401.99	2.34E-03	7.39E-07	3.13E-07	2.39E-03	7.54E-07	3.20E-07	2.39E-03	7.53E-07	3.19E-07
1972	494611.06, 3859401.99	2.29E-03	7.23E-07	3.07E-07	2.34E-03	7.37E-07	3.13E-07	2.33E-03	7.37E-07	3.12E-07
1973	494661.06, 3859401.99	2.25E-03	7.11E-07	3.02E-07	2.30E-03	7.25E-07	3.08E-07	2.29E-03	7.24E-07	3.07E-07
1974	494711.06, 3859401.99	2.21E-03	6.97E-07	2.96E-07	2.25E-03	7.11E-07	3.02E-07	2.25E-03	7.10E-07	3.01E-07
1975	494761.06, 3859401.99	2.12E-03	6.70E-07	2.84E-07	2.17E-03	6.84E-07	2.90E-07	2.16E-03	6.83E-07	2.90E-07
1976	494811.06, 3859401.99	2.08E-03	6.57E-07	2.79E-07	2.12E-03	6.70E-07	2.84E-07	2.12E-03	6.69E-07	2.84E-07
1977	494861.06, 3859401.99	2.02E-03	6.37E-07	2.70E-07	2.06E-03	6.50E-07	2.76E-07	2.06E-03	6.49E-07	2.75E-07
1978	494911.06, 3859401.99	1.97E-03	6.22E-07	2.64E-07	2.01E-03	6.35E-07	2.69E-07	2.01E-03	6.34E-07	2.69E-07
1979	494961.06, 3859401.99	1.95E-03	6.16E-07	2.61E-07	1.99E-03	6.28E-07	2.67E-07	1.99E-03	6.27E-07	2.66E-07
1980	495011.06, 3859401.99	1.93E-03	6.09E-07	2.59E-07	1.97E-03	6.22E-07	2.64E-07	1.97E-03	6.21E-07	2.64E-07
1981	495061.06, 3859401.99	1.91E-03	6.02E-07	2.55E-07	1.95E-03	6.14E-07	2.61E-07	1.94E-03	6.13E-07	2.60E-07
1982	495111.06, 3859401.99	1.87E-03	5.92E-07	2.51E-07	1.91E-03	6.04E-07	2.56E-07	1.91E-03	6.03E-07	2.56E-07
1983	495161.06, 3859401.99	1.87E-03	5.89E-07	2.50E-07	1.90E-03	6.01E-07	2.55E-07	1.90E-03	6.00E-07	2.55E-07
1984	495211.06, 3859401.99	1.86E-03	5.86E-07	2.49E-07	1.89E-03	5.98E-07	2.54E-07	1.89E-03	5.97E-07	2.53E-07
1985	495261.06, 3859401.99	1.84E-03	5.80E-07	2.46E-07	1.87E-03	5.91E-07	2.51E-07	1.87E-03	5.91E-07	2.51E-07
1986	495311.06, 3859401.99	1.82E-03	5.73E-07	2.43E-07	1.85E-03	5.85E-07	2.48E-07	1.85E-03	5.84E-07	2.48E-07
1987	495361.06, 3859401.99	1.81E-03	5.70E-07	2.42E-07	1.84E-03	5.82E-07	2.47E-07	1.84E-03	5.81E-07	2.47E-07
1988	495411.06, 3859401.99	1.79E-03	5.66E-07	2.40E-07	1.83E-03	5.77E-07	2.45E-07	1.83E-03	5.76E-07	2.45E-07
1989	495461.06, 3859401.99	1.77E-03	5.58E-07	2.37E-07	1.80E-03	5.69E-07	2.42E-07	1.80E-03	5.69E-07	2.41E-07
1990	495511.06, 3859401.99	1.74E-03	5.48E-07	2.32E-07	1.77E-03	5.59E-07	2.37E-07	1.77E-03	5.58E-07	2.37E-07
1991	495561.06, 3859401.99	1.70E-03	5.37E-07	2.28E-07	1.73E-03	5.48E-07	2.32E-07	1.73E-03	5.47E-07	2.32E-07
1992	495611.06, 3859401.99	1.68E-03	5.30E-07	2.25E-07	1.71E-03	5.41E-07	2.29E-07	1.71E-03	5.40E-07	2.29E-07
1993	495661.06, 3859401.99	1.66E-03	5.24E-07	2.22E-07	1.69E-03	5.34E-07	2.27E-07	1.69E-03	5.34E-07	2.26E-07
1994	494311.06, 3859451.99	2.71E-03	8.56E-07	3.63E-07	2.77E-03	8.73E-07	3.71E-07	2.76E-03	8.72E-07	3.70E-07
1995	494361.06, 3859451.99	2.64E-03	8.34E-07	3.54E-07	2.70E-03	8.51E-07	3.61E-07	2.69E-03	8.50E-07	3.61E-07
1996	494411.06, 3859451.99	2.55E-03	8.05E-07	3.41E-07	2.60E-03	8.21E-07	3.48E-07	2.60E-03	8.20E-07	3.48E-07
1997	494461.06, 3859451.99	2.51E-03	7.94E-07	3.37E-07	2.57E-03	8.10E-07	3.44E-07	2.56E-03	8.09E-07	3.43E-07
1998	494511.06, 3859451.99	2.46E-03	7.76E-07	3.29E-07	2.51E-03	7.92E-07	3.36E-07	2.51E-03	7.91E-07	3.36E-07
1999	494561.06, 3859451.99	2.41E-03	7.62E-07	3.23E-07	2.46E-03	7.78E-07	3.30E-07	2.46E-03	7.77E-07	3.30E-07
2000	494611.06, 3859451.99	2.39E-03	7.53E-07	3.19E-07	2.43E-03	7.68E-07	3.26E-07	2.43E-03	7.67E-07	3.26E-07
2001	494661.06, 3859451.99	2.33E-03	7.36E-07	3.12E-07	2.38E-03	7.51E-07	3.18E-07	2.38E-03	7.50E-07	3.18E-07
2002	494711.06, 3859451.99	2.28E-03	7.19E-07	3.05E-07	2.32E-03	7.33E-07	3.11E-07	2.32E-03	7.33E-07	3.11E-07
2003	494761.06, 3859451.99	2.23E-03	7.04E-07	2.99E-07	2.28E-03	7.19E-07	3.05E-07	2.27E-03	7.18E-07	3.05E-07
2004	494811.06, 3859451.99	2.17E-03	6.84E-07	2.90E-07	2.21E-03	6.98E-07	2.96E-07	2.21E-03	6.98E-07	2.96E-07
2005	494861.06, 3859451.99	2.12E-03	6.68E-07	2.84E-07	2.16E-03	6.82E-07	2.89E-07	2.16E-03	6.81E-07	2.89E-07
2006	494911.06, 3859451.99	2.08E-03	6.56E-07	2.78E-07	2.12E-03	6.69E-07	2.84E-07	2.12E-03	6.68E-07	2.84E-07
2007	494961.06, 3859451.99	2.05E-03	6.48E-07	2.75E-07	2.09E-03	6.61E-07	2.80E-07	2.09E-03	6.60E-07	2.80E-07
2008	495011.06, 3859451.99	2.02E-03	6.38E-07	2.71E-07	2.06E-03	6.51E-07	2.76E-07	2.06E-03	6.50E-07	2.76E-07
2009	495061.06, 3859451.99	1.99E-03	6.29E-07	2.67E-07	2.03E-03	6.41E-07	2.72E-07	2.03E-03	6.41E-07	2.72E-07
2010	495111.06, 3859451.99	1.96E-03	6.19E-07	2.63E-07	2.00E-03	6.32E-07	2.68E-07	2.00E-03	6.31E-07	2.68E-07
2011	495161.06, 3859451.99	1.94E-03	6.14E-07	2.60E-07	1.98E-03	6.26E-07	2.66E-07	1.98E-03	6.25E-07	2.65E-07
2012	495211.06, 3859451.99	1.93E-03	6.09E-07	2.59E-07	1.97E-03	6.22E-07	2.64E-07	1.97E-03	6.21E-07	2.64E-07
2013	495261.06, 3859451.99	1.92E-03	6.05E-07	2.57E-07	1.96E-03	6.17E-07	2.62E-07	1.95E-03	6.16E-07	2.61E-07
2014	495311.06, 3859451.99	1.89E-03	5.97E-07	2.53E-07	1.93E-03	6.09E-07	2.59E-07	1.93E-03	6.09E-07	2.58E-07
2015	495361.06, 3859451.99	1.87E-03	5.91E-07	2.51E-07	1.91E-03	6.03E-07	2.56E-07	1.91E-03	6.02E-07	2.56E-07
2016	495411.06, 3859451.99	1.85E-03	5.83E-07	2.47E-07	1.89E-03	5.95E-07	2.53E-07	1.88E-03	5.95E-07	2.52E-07
2017	495461.06, 3859451.99	1.83E-03	5.77E-07	2.45E-07	1.87E-03	5.89E-07	2.50E-07	1.86E-03	5.88E-07	2.50E-07
2018	495511.06, 3859451.99	1.79E-03	5.65E-07	2.40E-07	1.83E-03	5.77E-07	2.45E-07	1.82E-03	5.76E-07	2.44E-07
2019	495561.06, 3859451.99	1.76E-03	5.57E-07	2.36E-07	1.80E-03	5.68E-07	2.41E-07	1.80E-03	5.67E-07	2.41E-07
2020	495611.06, 3859451.99	1.74E-03	5.49E-07	2.33E-07	1.77E-03	5.60E-07	2.38E-07	1.77E-03	5.60E-07	2.37E-07
2021	495661.06, 3859451.99	1.72E-03	5.42E-07	2.30E-07	1.75E-03	5.53E-07	2.35E-07	1.75E-03	5.52E-07	2.34E-07
2022	494311.06, 3859501.99	2.82E-03	8.89E-07	3.77E-07	2.87E-03	9.07E-07	3.85E-07	2.87E-03	9.06E-07	3.84E-07
2023	494361.06, 3859501.99	2.74E-03	8.65E-07	3.67E-07	2.80E-03	8.83E-07	3.75E-07	2.79E-03	8.82E-07	3.74E-07
2024	494411.06, 3859501.99	2.62E-03	8.28E-07	3.51E-07	2.68E-03	8.45E-07	3.59E-07	2.67E-03	8.44E-07	3.58E-07
2025	494461.06, 3859501.99	2.61E-03	8.25E-07	3.50E-07	2.67E-03	8.42E-07	3.57E-07	2.66E-03	8.41E-07	3.57E-07
2026	494511.06, 3859501.99	2.55E-03	8.04E-07	3.41E-07	2.60E-03	8.21E-07	3.48E-07	2.60E-03	8.20E-07	3.48E-07

2027	494561.06, 3859501.99	2.49E-03	7.87E-07	3.34E-07	2.55E-03	8.03E-07	3.41E-07	2.54E-03	8.02E-07	3.40E-07
2028	494611.06, 3859501.99	2.49E-03	7.85E-07	3.33E-07	2.54E-03	8.01E-07	3.40E-07	2.54E-03	8.00E-07	3.39E-07
2029	494661.06, 3859501.99	2.42E-03	7.64E-07	3.24E-07	2.47E-03	7.80E-07	3.31E-07	2.47E-03	7.79E-07	3.30E-07
2030	494711.06, 3859501.99	2.35E-03	7.40E-07	3.14E-07	2.39E-03	7.55E-07	3.21E-07	2.39E-03	7.55E-07	3.20E-07
2031	494761.06, 3859501.99	2.32E-03	7.34E-07	3.11E-07	2.37E-03	7.49E-07	3.18E-07	2.37E-03	7.48E-07	3.17E-07
2032	494811.06, 3859501.99	2.24E-03	7.06E-07	2.99E-07	2.28E-03	7.20E-07	3.06E-07	2.28E-03	7.19E-07	3.05E-07
2033	494861.06, 3859501.99	2.20E-03	6.94E-07	2.94E-07	2.24E-03	7.08E-07	3.00E-07	2.24E-03	7.07E-07	3.00E-07
2034	494911.06, 3859501.99	2.17E-03	6.85E-07	2.91E-07	2.21E-03	6.99E-07	2.97E-07	2.21E-03	6.98E-07	2.96E-07
2035	494961.06, 3859501.99	2.12E-03	6.71E-07	2.85E-07	2.17E-03	6.84E-07	2.90E-07	2.17E-03	6.84E-07	2.90E-07
2036	495011.06, 3859501.99	2.10E-03	6.63E-07	2.81E-07	2.14E-03	6.76E-07	2.87E-07	2.14E-03	6.76E-07	2.87E-07
2037	495061.06, 3859501.99	2.08E-03	6.55E-07	2.78E-07	2.12E-03	6.69E-07	2.84E-07	2.12E-03	6.68E-07	2.83E-07
2038	495111.06, 3859501.99	2.04E-03	6.42E-07	2.73E-07	2.08E-03	6.55E-07	2.78E-07	2.07E-03	6.55E-07	2.78E-07
2039	495161.06, 3859501.99	2.01E-03	6.36E-07	2.70E-07	2.06E-03	6.49E-07	2.75E-07	2.05E-03	6.48E-07	2.75E-07
2040	495211.06, 3859501.99	2.00E-03	6.31E-07	2.68E-07	2.04E-03	6.44E-07	2.73E-07	2.04E-03	6.44E-07	2.73E-07
2041	495261.06, 3859501.99	1.98E-03	6.25E-07	2.65E-07	2.02E-03	6.38E-07	2.70E-07	2.02E-03	6.37E-07	2.70E-07
2042	495311.06, 3859501.99	1.96E-03	6.19E-07	2.63E-07	2.00E-03	6.32E-07	2.68E-07	2.00E-03	6.31E-07	2.68E-07
2043	495361.06, 3859501.99	1.94E-03	6.12E-07	2.60E-07	1.98E-03	6.24E-07	2.65E-07	1.98E-03	6.24E-07	2.65E-07
2044	495411.06, 3859501.99	1.92E-03	6.05E-07	2.57E-07	1.96E-03	6.17E-07	2.62E-07	1.95E-03	6.16E-07	2.62E-07
2045	495461.06, 3859501.99	1.89E-03	5.97E-07	2.53E-07	1.93E-03	6.09E-07	2.58E-07	1.93E-03	6.08E-07	2.58E-07
2046	495511.06, 3859501.99	1.84E-03	5.80E-07	2.46E-07	1.87E-03	5.91E-07	2.51E-07	1.87E-03	5.91E-07	2.51E-07
2047	495561.06, 3859501.99	1.83E-03	5.77E-07	2.45E-07	1.87E-03	5.89E-07	2.50E-07	1.86E-03	5.88E-07	2.49E-07
2048	495611.06, 3859501.99	1.80E-03	5.68E-07	2.41E-07	1.84E-03	5.80E-07	2.46E-07	1.83E-03	5.79E-07	2.46E-07
2049	495661.06, 3859501.99	1.77E-03	5.59E-07	2.37E-07	1.81E-03	5.70E-07	2.42E-07	1.80E-03	5.69E-07	2.42E-07
2050	494311.06, 3859551.99	2.92E-03	9.21E-07	3.91E-07	2.98E-03	9.39E-07	3.99E-07	2.97E-03	9.38E-07	3.98E-07
2051	494361.06, 3859551.99	2.81E-03	8.88E-07	3.77E-07	2.87E-03	9.06E-07	3.84E-07	2.87E-03	9.05E-07	3.84E-07
2052	494411.06, 3859551.99	2.69E-03	8.50E-07	3.61E-07	2.75E-03	8.67E-07	3.68E-07	2.74E-03	8.66E-07	3.68E-07
2053	494461.06, 3859551.99	2.70E-03	8.53E-07	3.62E-07	2.76E-03	8.70E-07	3.69E-07	2.75E-03	8.69E-07	3.69E-07
2054	494511.06, 3859551.99	2.64E-03	8.32E-07	3.53E-07	2.69E-03	8.49E-07	3.60E-07	2.69E-03	8.48E-07	3.60E-07
2055	494561.06, 3859551.99	2.58E-03	8.16E-07	3.46E-07	2.64E-03	8.32E-07	3.53E-07	2.63E-03	8.31E-07	3.53E-07
2056	494611.06, 3859551.99	2.55E-03	8.06E-07	3.42E-07	2.60E-03	8.22E-07	3.49E-07	2.60E-03	8.21E-07	3.48E-07
2057	494661.06, 3859551.99	2.51E-03	7.92E-07	3.36E-07	2.56E-03	8.08E-07	3.43E-07	2.56E-03	8.07E-07	3.43E-07
2058	494711.06, 3859551.99	2.40E-03	7.56E-07	3.21E-07	2.45E-03	7.72E-07	3.27E-07	2.44E-03	7.71E-07	3.27E-07
2059	494761.06, 3859551.99	2.41E-03	7.59E-07	3.22E-07	2.45E-03	7.75E-07	3.29E-07	2.45E-03	7.74E-07	3.28E-07
2060	494811.06, 3859551.99	2.32E-03	7.34E-07	3.11E-07	2.37E-03	7.49E-07	3.18E-07	2.37E-03	7.48E-07	3.17E-07
2061	494861.06, 3859551.99	2.29E-03	7.21E-07	3.06E-07	2.33E-03	7.36E-07	3.12E-07	2.33E-03	7.35E-07	3.12E-07
2062	494911.06, 3859551.99	2.24E-03	7.07E-07	3.00E-07	2.29E-03	7.21E-07	3.06E-07	2.28E-03	7.20E-07	3.06E-07
2063	494961.06, 3859551.99	2.21E-03	6.98E-07	2.96E-07	2.26E-03	7.13E-07	3.02E-07	2.26E-03	7.12E-07	3.02E-07
2064	495011.06, 3859551.99	2.19E-03	6.92E-07	2.93E-07	2.24E-03	7.06E-07	2.99E-07	2.23E-03	7.05E-07	2.99E-07
2065	495061.06, 3859551.99	2.16E-03	6.81E-07	2.89E-07	2.20E-03	6.95E-07	2.95E-07	2.20E-03	6.94E-07	2.94E-07
2066	495111.06, 3859551.99	2.12E-03	6.68E-07	2.83E-07	2.16E-03	6.81E-07	2.89E-07	2.16E-03	6.80E-07	2.89E-07
2067	495161.06, 3859551.99	2.10E-03	6.61E-07	2.81E-07	2.14E-03	6.75E-07	2.86E-07	2.14E-03	6.74E-07	2.86E-07
2068	495211.06, 3859551.99	2.08E-03	6.57E-07	2.79E-07	2.12E-03	6.70E-07	2.84E-07	2.12E-03	6.69E-07	2.84E-07
2069	495261.06, 3859551.99	2.05E-03	6.46E-07	2.74E-07	2.09E-03	6.60E-07	2.80E-07	2.09E-03	6.59E-07	2.80E-07
2070	495311.06, 3859551.99	2.02E-03	6.38E-07	2.71E-07	2.06E-03	6.51E-07	2.76E-07	2.06E-03	6.50E-07	2.76E-07
2071	495361.06, 3859551.99	2.00E-03	6.31E-07	2.68E-07	2.04E-03	6.44E-07	2.73E-07	2.04E-03	6.43E-07	2.73E-07
2072	495411.06, 3859551.99	1.98E-03	6.25E-07	2.65E-07	2.02E-03	6.38E-07	2.71E-07	2.02E-03	6.37E-07	2.70E-07
2073	495461.06, 3859551.99	1.94E-03	6.13E-07	2.60E-07	1.98E-03	6.26E-07	2.65E-07	1.98E-03	6.25E-07	2.65E-07
2074	495511.06, 3859551.99	1.90E-03	6.01E-07	2.55E-07	1.94E-03	6.13E-07	2.60E-07	1.94E-03	6.12E-07	2.60E-07
2075	495561.06, 3859551.99	1.88E-03	5.93E-07	2.52E-07	1.92E-03	6.05E-07	2.57E-07	1.91E-03	6.04E-07	2.56E-07
2076	495611.06, 3859551.99	1.85E-03	5.85E-07	2.48E-07	1.89E-03	5.97E-07	2.53E-07	1.89E-03	5.96E-07	2.53E-07
2077	495661.06, 3859551.99	1.82E-03	5.75E-07	2.44E-07	1.86E-03	5.87E-07	2.49E-07	1.86E-03	5.86E-07	2.49E-07
2078	494311.06, 3859601.99	3.03E-03	9.56E-07	4.06E-07	3.09E-03	9.76E-07	4.14E-07	3.09E-03	9.75E-07	4.14E-07
2079	494361.06, 3859601.99	2.88E-03	9.08E-07	3.85E-07	2.94E-03	9.27E-07	3.93E-07	2.93E-03	9.26E-07	3.93E-07
2080	494411.06, 3859601.99	2.80E-03	8.83E-07	3.75E-07	2.85E-03	9.01E-07	3.82E-07	2.85E-03	9.00E-07	3.82E-07
2081	494461.06, 3859601.99	2.79E-03	8.82E-07	3.74E-07	2.85E-03	9.00E-07	3.82E-07	2.85E-03	8.99E-07	3.81E-07
2082	494511.06, 3859601.99	2.70E-03	8.53E-07	3.62E-07	2.76E-03	8.70E-07	3.69E-07	2.75E-03	8.69E-07	3.69E-07
2083	494561.06, 3859601.99	2.69E-03	8.48E-07	3.60E-07	2.74E-03	8.66E-07	3.67E-07	2.74E-03	8.65E-07	3.67E-07
2084	494611.06, 3859601.99	2.66E-03	8.38E-07	3.56E-07	2.71E-03	8.56E-07	3.63E-07	2.71E-03	8.55E-07	3.63E-07
2085	494661.06, 3859601.99	2.56E-03	8.06E-07	3.42E-07	2.61E-03	8.23E-07	3.49E-07	2.60E-03	8.22E-07	3.49E-07
2086	494711.06, 3859601.99	2.48E-03	7.82E-07	3.32E-07	2.53E-03	7.98E-07	3.39E-07	2.53E-03	7.97E-07	3.38E-07
2087	494761.06, 3859601.99	2.51E-03	7.91E-07	3.36E-07	2.56E-03	8.07E-07	3.42E-07	2.55E-03	8.06E-07	3.42E-07
2088	494811.06, 3859601.99	2.42E-03	7.63E-07	3.24E-07	2.47E-03	7.79E-07	3.30E-07	2.46E-03	7.78E-07	3.30E-07
2089	494861.06, 3859601.99	2.38E-03	7.51E-07	3.19E-07	2.43E-03	7.67E-07	3.25E-07	2.43E-03	7.66E-07	3.25E-07
2090	494911.06, 3859601.99	2.32E-03	7.31E-07	3.10E-07	2.36E-03	7.46E-07	3.16E-07	2.36E-03	7.45E-07	3.16E-07
2091	494961.06, 3859601.99	2.31E-03	7.31E-07	3.10E-07	2.36E-03	7.46E-07	3.16E-07	2.36E-03	7.45E-07	3.16E-07
2092	495011.06, 3859601.99	2.25E-03	7.10E-07	3.01E-07	2.30E-03	7.25E-07	3.07E-07	2.29E-03	7.24E-07	3.07E-07
2093	495061.06, 3859601.99	2.24E-03	7.06E-07	2.99E-07	2.28E-03	7.20E-07	3.05E-07	2.28E-03	7.19E-07	3.05E-07
2094	495111.06, 3859601.99	2.19E-03	6.91E-07	2.93E-07	2.23E-03	7.05E-07	2.99E-07	2.23E-03	7.04E-07	2.99E-07
2095	495161.06, 3859601.99	2.17E-03	6.85E-07	2.91E-07	2.21E-03	6.99E-07	2.96E-07	2.21E-03	6.98E-07	2.96E-07
2096	495211.06, 3859601.99	2.14E-03	6.76E-07	2.87E-07	2.19E-03	6.90E-07	2.93E-07	2.18E-03	6.89E-07	2.92E-07

2097	495261.06, 3859601.99	2.12E-03	6.69E-07	2.84E-07	2.16E-03	6.82E-07	2.90E-07	2.16E-03	6.82E-07	2.89E-07
2098	495311.06, 3859601.99	2.10E-03	6.62E-07	2.81E-07	2.14E-03	6.76E-07	2.87E-07	2.14E-03	6.75E-07	2.86E-07
2099	495361.06, 3859601.99	2.07E-03	6.53E-07	2.77E-07	2.11E-03	6.66E-07	2.83E-07	2.11E-03	6.65E-07	2.82E-07
2100	495411.06, 3859601.99	2.05E-03	6.46E-07	2.74E-07	2.09E-03	6.59E-07	2.80E-07	2.09E-03	6.58E-07	2.79E-07
2101	495461.06, 3859601.99	2.00E-03	6.31E-07	2.68E-07	2.04E-03	6.44E-07	2.73E-07	2.04E-03	6.43E-07	2.73E-07
2102	495511.06, 3859601.99	1.96E-03	6.17E-07	2.62E-07	2.00E-03	6.30E-07	2.67E-07	1.99E-03	6.29E-07	2.67E-07
2103	495561.06, 3859601.99	1.94E-03	6.13E-07	2.60E-07	1.98E-03	6.26E-07	2.65E-07	1.98E-03	6.25E-07	2.65E-07
2104	495611.06, 3859601.99	1.90E-03	5.98E-07	2.54E-07	1.93E-03	6.11E-07	2.59E-07	1.93E-03	6.10E-07	2.59E-07
2105	495661.06, 3859601.99	1.88E-03	5.92E-07	2.51E-07	1.92E-03	6.04E-07	2.56E-07	1.91E-03	6.04E-07	2.56E-07
2106	494311.06, 3859651.99	3.10E-03	9.78E-07	4.15E-07	3.16E-03	9.98E-07	4.23E-07	3.16E-03	9.97E-07	4.23E-07
2107	494361.06, 3859651.99	2.96E-03	9.33E-07	3.96E-07	3.02E-03	9.52E-07	4.04E-07	3.01E-03	9.51E-07	4.04E-07
2108	494411.06, 3859651.99	2.90E-03	9.15E-07	3.88E-07	2.96E-03	9.34E-07	3.96E-07	2.95E-03	9.33E-07	3.96E-07
2109	494461.06, 3859651.99	2.89E-03	9.13E-07	3.87E-07	2.95E-03	9.31E-07	3.95E-07	2.95E-03	9.30E-07	3.95E-07
2110	494511.06, 3859651.99	2.83E-03	8.93E-07	3.79E-07	2.89E-03	9.11E-07	3.87E-07	2.88E-03	9.10E-07	3.86E-07
2111	494561.06, 3859651.99	2.79E-03	8.80E-07	3.73E-07	2.85E-03	8.98E-07	3.81E-07	2.84E-03	8.97E-07	3.81E-07
2112	494611.06, 3859651.99	2.74E-03	8.66E-07	3.68E-07	2.80E-03	8.84E-07	3.75E-07	2.80E-03	8.83E-07	3.75E-07
2113	494661.06, 3859651.99	2.62E-03	8.28E-07	3.51E-07	2.68E-03	8.45E-07	3.58E-07	2.67E-03	8.44E-07	3.58E-07
2114	494711.06, 3859651.99	2.59E-03	8.16E-07	3.46E-07	2.64E-03	8.33E-07	3.53E-07	2.64E-03	8.32E-07	3.53E-07
2115	494761.06, 3859651.99	2.57E-03	8.11E-07	3.44E-07	2.62E-03	8.27E-07	3.51E-07	2.62E-03	8.26E-07	3.51E-07
2116	494811.06, 3859651.99	2.50E-03	7.91E-07	3.35E-07	2.56E-03	8.07E-07	3.42E-07	2.55E-03	8.06E-07	3.42E-07
2117	494861.06, 3859651.99	2.47E-03	7.80E-07	3.31E-07	2.52E-03	7.96E-07	3.38E-07	2.52E-03	7.95E-07	3.37E-07
2118	494911.06, 3859651.99	2.42E-03	7.65E-07	3.25E-07	2.47E-03	7.81E-07	3.31E-07	2.47E-03	7.80E-07	3.31E-07
2119	494961.06, 3859651.99	2.39E-03	7.54E-07	3.20E-07	2.44E-03	7.69E-07	3.26E-07	2.43E-03	7.68E-07	3.26E-07
2120	495011.06, 3859651.99	2.35E-03	7.41E-07	3.14E-07	2.40E-03	7.56E-07	3.21E-07	2.39E-03	7.55E-07	3.20E-07
2121	495061.06, 3859651.99	2.32E-03	7.32E-07	3.11E-07	2.37E-03	7.47E-07	3.17E-07	2.37E-03	7.46E-07	3.17E-07
2122	495111.06, 3859651.99	2.28E-03	7.19E-07	3.05E-07	2.32E-03	7.33E-07	3.11E-07	2.32E-03	7.33E-07	3.11E-07
2123	495161.06, 3859651.99	2.25E-03	7.09E-07	3.01E-07	2.29E-03	7.23E-07	3.07E-07	2.29E-03	7.22E-07	3.06E-07
2124	495211.06, 3859651.99	2.22E-03	7.01E-07	2.97E-07	2.27E-03	7.15E-07	3.03E-07	2.26E-03	7.14E-07	3.03E-07
2125	495261.06, 3859651.99	2.19E-03	6.91E-07	2.93E-07	2.23E-03	7.05E-07	2.99E-07	2.23E-03	7.04E-07	2.99E-07
2126	495311.06, 3859651.99	2.16E-03	6.82E-07	2.89E-07	2.20E-03	6.96E-07	2.95E-07	2.20E-03	6.95E-07	2.95E-07
2127	495361.06, 3859651.99	2.14E-03	6.74E-07	2.86E-07	2.18E-03	6.88E-07	2.92E-07	2.18E-03	6.87E-07	2.92E-07
2128	495411.06, 3859651.99	2.11E-03	6.64E-07	2.82E-07	2.15E-03	6.78E-07	2.88E-07	2.15E-03	6.77E-07	2.87E-07
2129	495461.06, 3859651.99	2.06E-03	6.49E-07	2.75E-07	2.10E-03	6.62E-07	2.81E-07	2.10E-03	6.62E-07	2.81E-07
2130	495511.06, 3859651.99	2.01E-03	6.36E-07	2.70E-07	2.06E-03	6.49E-07	2.75E-07	2.05E-03	6.48E-07	2.75E-07
2131	495561.06, 3859651.99	1.99E-03	6.29E-07	2.67E-07	2.03E-03	6.42E-07	2.72E-07	2.03E-03	6.41E-07	2.72E-07
2132	495611.06, 3859651.99	1.96E-03	6.19E-07	2.63E-07	2.00E-03	6.32E-07	2.68E-07	2.00E-03	6.31E-07	2.68E-07
2133	495661.06, 3859651.99	1.93E-03	6.08E-07	2.58E-07	1.97E-03	6.21E-07	2.63E-07	1.96E-03	6.20E-07	2.63E-07
2134	494311.06, 3859701.99	3.08E-03	9.72E-07	4.12E-07	3.14E-03	9.92E-07	4.21E-07	3.14E-03	9.90E-07	4.20E-07
2135	494361.06, 3859701.99	3.01E-03	9.51E-07	4.03E-07	3.07E-03	9.70E-07	4.12E-07	3.07E-03	9.69E-07	4.11E-07
2136	494411.06, 3859701.99	2.97E-03	9.39E-07	3.98E-07	3.04E-03	9.58E-07	4.07E-07	3.03E-03	9.57E-07	4.06E-07
2137	494461.06, 3859701.99	2.99E-03	9.42E-07	4.00E-07	3.05E-03	9.62E-07	4.08E-07	3.04E-03	9.60E-07	4.07E-07
2138	494511.06, 3859701.99	2.93E-03	9.24E-07	3.92E-07	2.99E-03	9.43E-07	4.00E-07	2.98E-03	9.42E-07	4.00E-07
2139	494561.06, 3859701.99	2.89E-03	9.11E-07	3.87E-07	2.95E-03	9.30E-07	3.95E-07	2.94E-03	9.29E-07	3.94E-07
2140	494611.06, 3859701.99	2.84E-03	8.97E-07	3.81E-07	2.90E-03	9.16E-07	3.89E-07	2.90E-03	9.15E-07	3.88E-07
2141	494661.06, 3859701.99	2.72E-03	8.57E-07	3.64E-07	2.77E-03	8.74E-07	3.71E-07	2.77E-03	8.73E-07	3.71E-07
2142	494711.06, 3859701.99	2.70E-03	8.51E-07	3.61E-07	2.75E-03	8.68E-07	3.68E-07	2.75E-03	8.67E-07	3.68E-07
2143	494761.06, 3859701.99	2.63E-03	8.32E-07	3.53E-07	2.69E-03	8.49E-07	3.60E-07	2.69E-03	8.48E-07	3.60E-07
2144	494811.06, 3859701.99	2.57E-03	8.12E-07	3.45E-07	2.63E-03	8.29E-07	3.52E-07	2.62E-03	8.28E-07	3.51E-07
2145	494861.06, 3859701.99	2.56E-03	8.08E-07	3.43E-07	2.61E-03	8.25E-07	3.50E-07	2.61E-03	8.24E-07	3.49E-07
2146	494911.06, 3859701.99	2.51E-03	7.92E-07	3.36E-07	2.56E-03	8.09E-07	3.43E-07	2.56E-03	8.08E-07	3.43E-07
2147	494961.06, 3859701.99	2.46E-03	7.78E-07	3.30E-07	2.51E-03	7.94E-07	3.37E-07	2.51E-03	7.93E-07	3.36E-07
2148	495011.06, 3859701.99	2.44E-03	7.69E-07	3.26E-07	2.48E-03	7.84E-07	3.33E-07	2.48E-03	7.83E-07	3.32E-07
2149	495061.06, 3859701.99	2.40E-03	7.56E-07	3.21E-07	2.45E-03	7.72E-07	3.27E-07	2.44E-03	7.71E-07	3.27E-07
2150	495111.06, 3859701.99	2.36E-03	7.44E-07	3.16E-07	2.41E-03	7.59E-07	3.22E-07	2.40E-03	7.59E-07	3.22E-07
2151	495161.06, 3859701.99	2.32E-03	7.31E-07	3.10E-07	2.36E-03	7.46E-07	3.17E-07	2.36E-03	7.45E-07	3.16E-07
2152	495211.06, 3859701.99	2.27E-03	7.18E-07	3.05E-07	2.32E-03	7.33E-07	3.11E-07	2.32E-03	7.32E-07	3.10E-07
2153	495261.06, 3859701.99	2.26E-03	7.13E-07	3.03E-07	2.31E-03	7.28E-07	3.09E-07	2.30E-03	7.27E-07	3.08E-07
2154	495311.06, 3859701.99	2.22E-03	7.01E-07	2.98E-07	2.27E-03	7.16E-07	3.04E-07	2.26E-03	7.15E-07	3.03E-07
2155	495361.06, 3859701.99	2.19E-03	6.90E-07	2.93E-07	2.23E-03	7.05E-07	2.99E-07	2.23E-03	7.04E-07	2.99E-07
2156	495411.06, 3859701.99	2.14E-03	6.76E-07	2.87E-07	2.19E-03	6.90E-07	2.93E-07	2.18E-03	6.89E-07	2.93E-07
2157	495461.06, 3859701.99	2.11E-03	6.66E-07	2.82E-07	2.15E-03	6.79E-07	2.88E-07	2.15E-03	6.78E-07	2.88E-07
2158	495511.06, 3859701.99	2.05E-03	6.47E-07	2.75E-07	2.09E-03	6.61E-07	2.80E-07	2.09E-03	6.60E-07	2.80E-07
2159	495561.06, 3859701.99	2.04E-03	6.45E-07	2.74E-07	2.09E-03	6.58E-07	2.79E-07	2.08E-03	6.58E-07	2.79E-07
2160	495611.06, 3859701.99	2.01E-03	6.36E-07	2.70E-07	2.05E-03	6.49E-07	2.75E-07	2.05E-03	6.48E-07	2.75E-07
2161	495661.06, 3859701.99	1.98E-03	6.25E-07	2.65E-07	2.02E-03	6.38E-07	2.71E-07	2.02E-03	6.37E-07	2.70E-07
2162	494311.06, 3859751.99	3.20E-03	1.01E-06	4.29E-07	3.27E-03	1.03E-06	4.38E-07	3.27E-03	1.03E-06	4.37E-07
2163	494361.06, 3859751.99	3.14E-03	9.91E-07	4.21E-07	3.20E-03	1.01E-06	4.29E-07	3.20E-03	1.01E-06	4.29E-07
2164	494411.06, 3859751.99	3.07E-03	9.68E-07	4.11E-07	3.13E-03	9.88E-07	4.19E-07	3.13E-03	9.86E-07	4.18E-07
2165	494461.06, 3859751.99	3.06E-03	9.66E-07	4.10E-07	3.12E-03	9.86E-07	4.18E-07	3.12E-03	9.85E-07	4.18E-07
2166	494511.06, 3859751.99	3.04E-03	9.58E-07	4.07E-07	3.10E-03	9.78E-07	4.15E-07	3.09E-03	9.77E-07	4.14E-07

2167	494561.06, 3859751.99	2.98E-03	9.40E-07	3.99E-07	3.04E-03	9.60E-07	4.07E-07	3.04E-03	9.58E-07	4.07E-07
2168	494611.06, 3859751.99	2.91E-03	9.18E-07	3.90E-07	2.97E-03	9.37E-07	3.98E-07	2.97E-03	9.36E-07	3.97E-07
2169	494661.06, 3859751.99	2.80E-03	8.83E-07	3.75E-07	2.85E-03	9.01E-07	3.82E-07	2.85E-03	9.00E-07	3.82E-07
2170	494711.06, 3859751.99	2.79E-03	8.79E-07	3.73E-07	2.84E-03	8.97E-07	3.81E-07	2.84E-03	8.96E-07	3.80E-07
2171	494761.06, 3859751.99	2.75E-03	8.67E-07	3.68E-07	2.80E-03	8.85E-07	3.75E-07	2.80E-03	8.84E-07	3.75E-07
2172	494811.06, 3859751.99	2.69E-03	8.49E-07	3.60E-07	2.74E-03	8.66E-07	3.67E-07	2.74E-03	8.65E-07	3.67E-07
2173	494861.06, 3859751.99	2.65E-03	8.35E-07	3.54E-07	2.70E-03	8.52E-07	3.62E-07	2.70E-03	8.51E-07	3.61E-07
2174	494911.06, 3859751.99	2.60E-03	8.22E-07	3.49E-07	2.66E-03	8.39E-07	3.56E-07	2.65E-03	8.38E-07	3.55E-07
2175	494961.06, 3859751.99	2.56E-03	8.09E-07	3.43E-07	2.61E-03	8.25E-07	3.50E-07	2.61E-03	8.24E-07	3.50E-07
2176	495011.06, 3859751.99	2.52E-03	7.95E-07	3.37E-07	2.57E-03	8.11E-07	3.44E-07	2.57E-03	8.10E-07	3.44E-07
2177	495061.06, 3859751.99	2.49E-03	7.85E-07	3.33E-07	2.54E-03	8.01E-07	3.40E-07	2.53E-03	8.00E-07	3.39E-07
2178	495111.06, 3859751.99	2.44E-03	7.72E-07	3.27E-07	2.49E-03	7.87E-07	3.34E-07	2.49E-03	7.86E-07	3.34E-07
2179	495161.06, 3859751.99	2.40E-03	7.57E-07	3.21E-07	2.45E-03	7.73E-07	3.28E-07	2.45E-03	7.72E-07	3.28E-07
2180	495211.06, 3859751.99	2.35E-03	7.43E-07	3.15E-07	2.40E-03	7.58E-07	3.22E-07	2.40E-03	7.58E-07	3.21E-07
2181	495261.06, 3859751.99	2.32E-03	7.34E-07	3.11E-07	2.37E-03	7.49E-07	3.18E-07	2.37E-03	7.48E-07	3.17E-07
2182	495311.06, 3859751.99	2.29E-03	7.21E-07	3.06E-07	2.33E-03	7.36E-07	3.12E-07	2.33E-03	7.35E-07	3.12E-07
2183	495361.06, 3859751.99	2.25E-03	7.10E-07	3.01E-07	2.30E-03	7.25E-07	3.07E-07	2.29E-03	7.24E-07	3.07E-07
2184	495411.06, 3859751.99	2.22E-03	6.99E-07	2.97E-07	2.26E-03	7.14E-07	3.03E-07	2.26E-03	7.13E-07	3.02E-07
2185	495461.06, 3859751.99	2.17E-03	6.85E-07	2.90E-07	2.21E-03	6.99E-07	2.96E-07	2.21E-03	6.98E-07	2.96E-07
2186	495511.06, 3859751.99	2.12E-03	6.70E-07	2.84E-07	2.17E-03	6.84E-07	2.90E-07	2.16E-03	6.83E-07	2.90E-07
2187	495561.06, 3859751.99	2.09E-03	6.60E-07	2.80E-07	2.13E-03	6.74E-07	2.86E-07	2.13E-03	6.73E-07	2.85E-07
2188	495611.06, 3859751.99	2.06E-03	6.50E-07	2.76E-07	2.10E-03	6.64E-07	2.82E-07	2.10E-03	6.63E-07	2.81E-07
2189	495661.06, 3859751.99	2.04E-03	6.43E-07	2.73E-07	2.08E-03	6.56E-07	2.78E-07	2.08E-03	6.55E-07	2.78E-07
2190	494311.06, 3859801.99	3.32E-03	1.05E-06	4.45E-07	3.39E-03	1.07E-06	4.54E-07	3.39E-03	1.07E-06	4.54E-07
2191	494361.06, 3859801.99	3.23E-03	1.02E-06	4.33E-07	3.30E-03	1.04E-06	4.42E-07	3.30E-03	1.04E-06	4.41E-07
2192	494411.06, 3859801.99	3.14E-03	9.92E-07	4.21E-07	3.21E-03	1.01E-06	4.29E-07	3.20E-03	1.01E-06	4.29E-07
2193	494461.06, 3859801.99	3.13E-03	9.88E-07	4.19E-07	3.20E-03	1.01E-06	4.28E-07	3.19E-03	1.01E-06	4.27E-07
2194	494511.06, 3859801.99	3.13E-03	9.87E-07	4.19E-07	3.19E-03	1.01E-06	4.27E-07	3.19E-03	1.01E-06	4.27E-07
2195	494561.06, 3859801.99	3.07E-03	9.69E-07	4.11E-07	3.13E-03	9.89E-07	4.19E-07	3.13E-03	9.87E-07	4.19E-07
2196	494611.06, 3859801.99	2.97E-03	9.36E-07	3.97E-07	3.03E-03	9.56E-07	4.05E-07	3.02E-03	9.54E-07	4.05E-07
2197	494661.06, 3859801.99	2.91E-03	9.17E-07	3.89E-07	2.97E-03	9.36E-07	3.97E-07	2.96E-03	9.35E-07	3.97E-07
2198	494711.06, 3859801.99	2.84E-03	8.95E-07	3.80E-07	2.89E-03	9.13E-07	3.88E-07	2.89E-03	9.12E-07	3.87E-07
2199	494761.06, 3859801.99	2.83E-03	8.93E-07	3.79E-07	2.89E-03	9.11E-07	3.87E-07	2.88E-03	9.10E-07	3.86E-07
2200	494811.06, 3859801.99	2.77E-03	8.76E-07	3.72E-07	2.83E-03	8.93E-07	3.79E-07	2.83E-03	8.92E-07	3.79E-07
2201	494861.06, 3859801.99	2.73E-03	8.63E-07	3.66E-07	2.79E-03	8.81E-07	3.74E-07	2.79E-03	8.80E-07	3.73E-07
2202	494911.06, 3859801.99	2.68E-03	8.45E-07	3.58E-07	2.73E-03	8.62E-07	3.66E-07	2.73E-03	8.61E-07	3.65E-07
2203	494961.06, 3859801.99	2.63E-03	8.31E-07	3.53E-07	2.69E-03	8.48E-07	3.60E-07	2.68E-03	8.47E-07	3.59E-07
2204	495011.06, 3859801.99	2.59E-03	8.17E-07	3.47E-07	2.64E-03	8.33E-07	3.54E-07	2.64E-03	8.32E-07	3.53E-07
2205	495061.06, 3859801.99	2.55E-03	8.05E-07	3.42E-07	2.60E-03	8.22E-07	3.49E-07	2.60E-03	8.21E-07	3.48E-07
2206	495111.06, 3859801.99	2.50E-03	7.89E-07	3.35E-07	2.55E-03	8.06E-07	3.42E-07	2.55E-03	8.05E-07	3.41E-07
2207	495161.06, 3859801.99	2.46E-03	7.75E-07	3.29E-07	2.51E-03	7.91E-07	3.36E-07	2.50E-03	7.90E-07	3.35E-07
2208	495211.06, 3859801.99	2.42E-03	7.64E-07	3.24E-07	2.47E-03	7.80E-07	3.31E-07	2.47E-03	7.79E-07	3.31E-07
2209	495261.06, 3859801.99	2.38E-03	7.50E-07	3.18E-07	2.42E-03	7.65E-07	3.25E-07	2.42E-03	7.64E-07	3.24E-07
2210	495311.06, 3859801.99	2.35E-03	7.40E-07	3.14E-07	2.39E-03	7.56E-07	3.21E-07	2.39E-03	7.55E-07	3.20E-07
2211	495361.06, 3859801.99	2.31E-03	7.28E-07	3.09E-07	2.35E-03	7.43E-07	3.15E-07	2.35E-03	7.42E-07	3.15E-07
2212	495411.06, 3859801.99	2.26E-03	7.14E-07	3.03E-07	2.31E-03	7.28E-07	3.09E-07	2.31E-03	7.28E-07	3.09E-07
2213	495461.06, 3859801.99	2.23E-03	7.03E-07	2.98E-07	2.27E-03	7.17E-07	3.04E-07	2.27E-03	7.16E-07	3.04E-07
2214	495511.06, 3859801.99	2.18E-03	6.87E-07	2.91E-07	2.22E-03	7.01E-07	2.97E-07	2.22E-03	7.00E-07	2.97E-07
2215	495561.06, 3859801.99	2.15E-03	6.78E-07	2.87E-07	2.19E-03	6.91E-07	2.93E-07	2.19E-03	6.91E-07	2.93E-07
2216	495611.06, 3859801.99	2.13E-03	6.72E-07	2.85E-07	2.17E-03	6.86E-07	2.91E-07	2.17E-03	6.85E-07	2.91E-07
2217	495661.06, 3859801.99	2.09E-03	6.59E-07	2.79E-07	2.13E-03	6.72E-07	2.85E-07	2.13E-03	6.71E-07	2.85E-07
2218	494311.06, 3859851.99	3.41E-03	1.08E-06	4.57E-07	3.48E-03	1.10E-06	4.66E-07	3.48E-03	1.10E-06	4.65E-07
2219	494361.06, 3859851.99	3.33E-03	1.05E-06	4.46E-07	3.40E-03	1.07E-06	4.55E-07	3.40E-03	1.07E-06	4.55E-07
2220	494411.06, 3859851.99	3.25E-03	1.02E-06	4.35E-07	3.31E-03	1.05E-06	4.44E-07	3.31E-03	1.04E-06	4.43E-07
2221	494461.06, 3859851.99	3.18E-03	1.00E-06	4.26E-07	3.25E-03	1.03E-06	4.35E-07	3.24E-03	1.02E-06	4.34E-07
2222	494511.06, 3859851.99	3.16E-03	9.97E-07	4.23E-07	3.22E-03	1.02E-06	4.32E-07	3.22E-03	1.02E-06	4.31E-07
2223	494561.06, 3859851.99	3.14E-03	9.92E-07	4.21E-07	3.21E-03	1.01E-06	4.29E-07	3.20E-03	1.01E-06	4.29E-07
2224	494611.06, 3859851.99	3.03E-03	9.56E-07	4.06E-07	3.09E-03	9.76E-07	4.14E-07	3.09E-03	9.75E-07	4.14E-07
2225	494661.06, 3859851.99	3.00E-03	9.46E-07	4.02E-07	3.06E-03	9.66E-07	4.10E-07	3.06E-03	9.65E-07	4.09E-07
2226	494711.06, 3859851.99	2.92E-03	9.21E-07	3.91E-07	2.98E-03	9.39E-07	3.99E-07	2.97E-03	9.38E-07	3.98E-07
2227	494761.06, 3859851.99	2.90E-03	9.16E-07	3.89E-07	2.96E-03	9.35E-07	3.97E-07	2.96E-03	9.34E-07	3.96E-07
2228	494811.06, 3859851.99	2.85E-03	8.99E-07	3.82E-07	2.91E-03	9.18E-07	3.89E-07	2.90E-03	9.17E-07	3.89E-07
2229	494861.06, 3859851.99	2.81E-03	8.88E-07	3.77E-07	2.87E-03	9.06E-07	3.84E-07	2.87E-03	9.05E-07	3.84E-07
2230	494911.06, 3859851.99	2.75E-03	8.69E-07	3.69E-07	2.81E-03	8.87E-07	3.76E-07	2.81E-03	8.86E-07	3.76E-07
2231	494961.06, 3859851.99	2.71E-03	8.55E-07	3.63E-07	2.76E-03	8.72E-07	3.70E-07	2.76E-03	8.71E-07	3.70E-07
2232	495011.06, 3859851.99	2.66E-03	8.40E-07	3.57E-07	2.72E-03	8.58E-07	3.64E-07	2.71E-03	8.57E-07	3.63E-07
2233	495061.06, 3859851.99	2.62E-03	8.28E-07	3.51E-07	2.68E-03	8.45E-07	3.59E-07	2.68E-03	8.44E-07	3.58E-07
2234	495111.06, 3859851.99	2.57E-03	8.11E-07	3.44E-07	2.62E-03	8.28E-07	3.51E-07	2.62E-03	8.27E-07	3.51E-07
2235	495161.06, 3859851.99	2.52E-03	7.97E-07	3.38E-07	2.58E-03	8.13E-07	3.45E-07	2.57E-03	8.12E-07	3.45E-07
2236	495211.06, 3859851.99	2.48E-03	7.84E-07	3.33E-07	2.53E-03	8.00E-07	3.39E-07	2.53E-03	7.99E-07	3.39E-07

2237	495261.06, 3859851.99	2.44E-03	7.70E-07	3.27E-07	2.49E-03	7.86E-07	3.33E-07	2.49E-03	7.85E-07	3.33E-07
2238	495311.06, 3859851.99	2.41E-03	7.59E-07	3.22E-07	2.45E-03	7.75E-07	3.29E-07	2.45E-03	7.74E-07	3.28E-07
2239	495361.06, 3859851.99	2.37E-03	7.47E-07	3.17E-07	2.42E-03	7.63E-07	3.24E-07	2.41E-03	7.62E-07	3.23E-07
2240	495411.06, 3859851.99	2.32E-03	7.33E-07	3.11E-07	2.37E-03	7.48E-07	3.17E-07	2.37E-03	7.47E-07	3.17E-07
2241	495461.06, 3859851.99	2.28E-03	7.20E-07	3.05E-07	2.33E-03	7.34E-07	3.12E-07	2.32E-03	7.33E-07	3.11E-07
2242	495511.06, 3859851.99	2.23E-03	7.05E-07	2.99E-07	2.28E-03	7.19E-07	3.05E-07	2.28E-03	7.18E-07	3.05E-07
2243	495561.06, 3859851.99	2.21E-03	6.96E-07	2.96E-07	2.25E-03	7.11E-07	3.02E-07	2.25E-03	7.10E-07	3.01E-07
2244	495611.06, 3859851.99	2.18E-03	6.88E-07	2.92E-07	2.22E-03	7.02E-07	2.98E-07	2.22E-03	7.01E-07	2.97E-07
2245	495661.06, 3859851.99	2.14E-03	6.74E-07	2.86E-07	2.18E-03	6.88E-07	2.92E-07	2.18E-03	6.87E-07	2.92E-07
2246	494311.06, 3859901.99	3.48E-03	1.10E-06	4.66E-07	3.55E-03	1.12E-06	4.76E-07	3.55E-03	1.12E-06	4.75E-07
2247	494361.06, 3859901.99	3.37E-03	1.06E-06	4.51E-07	3.44E-03	1.09E-06	4.61E-07	3.44E-03	1.08E-06	4.60E-07
2248	494411.06, 3859901.99	3.33E-03	1.05E-06	4.46E-07	3.40E-03	1.07E-06	4.55E-07	3.39E-03	1.07E-06	4.54E-07
2249	494461.06, 3859901.99	3.27E-03	1.03E-06	4.37E-07	3.33E-03	1.05E-06	4.46E-07	3.33E-03	1.05E-06	4.46E-07
2250	494511.06, 3859901.99	3.22E-03	1.02E-06	4.31E-07	3.29E-03	1.04E-06	4.40E-07	3.28E-03	1.04E-06	4.40E-07
2251	494561.06, 3859901.99	3.22E-03	1.02E-06	4.31E-07	3.28E-03	1.04E-06	4.40E-07	3.28E-03	1.04E-06	4.39E-07
2252	494611.06, 3859901.99	3.10E-03	9.78E-07	4.15E-07	3.16E-03	9.98E-07	4.24E-07	3.16E-03	9.97E-07	4.23E-07
2253	494661.06, 3859901.99	3.09E-03	9.74E-07	4.13E-07	3.15E-03	9.94E-07	4.22E-07	3.15E-03	9.93E-07	4.21E-07
2254	494711.06, 3859901.99	2.98E-03	9.40E-07	3.99E-07	3.04E-03	9.59E-07	4.07E-07	3.03E-03	9.58E-07	4.06E-07
2255	494761.06, 3859901.99	2.95E-03	9.32E-07	3.95E-07	3.01E-03	9.51E-07	4.03E-07	3.01E-03	9.49E-07	4.03E-07
2256	494811.06, 3859901.99	2.93E-03	9.24E-07	3.92E-07	2.99E-03	9.43E-07	4.00E-07	2.98E-03	9.42E-07	4.00E-07
2257	494861.06, 3859901.99	2.89E-03	9.11E-07	3.87E-07	2.95E-03	9.30E-07	3.95E-07	2.94E-03	9.29E-07	3.94E-07
2258	494911.06, 3859901.99	2.82E-03	8.92E-07	3.78E-07	2.88E-03	9.10E-07	3.86E-07	2.88E-03	9.09E-07	3.86E-07
2259	494961.06, 3859901.99	2.78E-03	8.79E-07	3.73E-07	2.84E-03	8.97E-07	3.80E-07	2.84E-03	8.95E-07	3.80E-07
2260	495011.06, 3859901.99	2.73E-03	8.61E-07	3.66E-07	2.79E-03	8.79E-07	3.73E-07	2.78E-03	8.78E-07	3.73E-07
2261	495061.06, 3859901.99	2.68E-03	8.47E-07	3.59E-07	2.74E-03	8.64E-07	3.67E-07	2.73E-03	8.63E-07	3.66E-07
2262	495111.06, 3859901.99	2.63E-03	8.29E-07	3.52E-07	2.68E-03	8.45E-07	3.59E-07	2.68E-03	8.44E-07	3.58E-07
2263	495161.06, 3859901.99	2.57E-03	8.12E-07	3.45E-07	2.63E-03	8.29E-07	3.52E-07	2.62E-03	8.28E-07	3.51E-07
2264	495211.06, 3859901.99	2.54E-03	8.02E-07	3.40E-07	2.59E-03	8.18E-07	3.47E-07	2.59E-03	8.17E-07	3.47E-07
2265	495261.06, 3859901.99	2.48E-03	7.84E-07	3.33E-07	2.53E-03	8.00E-07	3.39E-07	2.53E-03	7.99E-07	3.39E-07
2266	495311.06, 3859901.99	2.45E-03	7.74E-07	3.28E-07	2.50E-03	7.90E-07	3.35E-07	2.50E-03	7.89E-07	3.35E-07
2267	495361.06, 3859901.99	2.41E-03	7.61E-07	3.23E-07	2.46E-03	7.76E-07	3.29E-07	2.46E-03	7.75E-07	3.29E-07
2268	495411.06, 3859901.99	2.36E-03	7.46E-07	3.16E-07	2.41E-03	7.61E-07	3.23E-07	2.41E-03	7.60E-07	3.22E-07
2269	495461.06, 3859901.99	2.32E-03	7.33E-07	3.11E-07	2.37E-03	7.48E-07	3.17E-07	2.37E-03	7.47E-07	3.17E-07
2270	495511.06, 3859901.99	2.29E-03	7.23E-07	3.07E-07	2.34E-03	7.38E-07	3.13E-07	2.33E-03	7.37E-07	3.13E-07
2271	495561.06, 3859901.99	2.26E-03	7.14E-07	3.03E-07	2.31E-03	7.28E-07	3.09E-07	2.30E-03	7.27E-07	3.09E-07
2272	495611.06, 3859901.99	2.22E-03	7.00E-07	2.97E-07	2.26E-03	7.15E-07	3.03E-07	2.26E-03	7.14E-07	3.03E-07
2273	495661.06, 3859901.99	2.18E-03	6.87E-07	2.91E-07	2.22E-03	7.01E-07	2.97E-07	2.22E-03	7.00E-07	2.97E-07
2274	494311.06, 3859951.99	3.56E-03	1.12E-06	4.77E-07	3.64E-03	1.15E-06	4.87E-07	3.63E-03	1.15E-06	4.86E-07
2275	494361.06, 3859951.99	3.48E-03	1.10E-06	4.66E-07	3.55E-03	1.12E-06	4.75E-07	3.54E-03	1.12E-06	4.75E-07
2276	494411.06, 3859951.99	3.40E-03	1.07E-06	4.55E-07	3.47E-03	1.10E-06	4.65E-07	3.47E-03	1.09E-06	4.64E-07
2277	494461.06, 3859951.99	3.34E-03	1.05E-06	4.47E-07	3.40E-03	1.07E-06	4.56E-07	3.40E-03	1.07E-06	4.55E-07
2278	494511.06, 3859951.99	3.29E-03	1.04E-06	4.41E-07	3.36E-03	1.06E-06	4.50E-07	3.35E-03	1.06E-06	4.49E-07
2279	494561.06, 3859951.99	3.30E-03	1.04E-06	4.42E-07	3.37E-03	1.06E-06	4.51E-07	3.36E-03	1.06E-06	4.50E-07
2280	494611.06, 3859951.99	3.19E-03	1.01E-06	4.27E-07	3.25E-03	1.03E-06	4.36E-07	3.25E-03	1.03E-06	4.35E-07
2281	494661.06, 3859951.99	3.17E-03	1.00E-06	4.24E-07	3.23E-03	1.02E-06	4.33E-07	3.23E-03	1.02E-06	4.33E-07
2282	494711.06, 3859951.99	3.07E-03	9.69E-07	4.11E-07	3.13E-03	9.89E-07	4.20E-07	3.13E-03	9.88E-07	4.19E-07
2283	494761.06, 3859951.99	3.03E-03	9.57E-07	4.06E-07	3.09E-03	9.76E-07	4.14E-07	3.09E-03	9.75E-07	4.14E-07
2284	494811.06, 3859951.99	2.98E-03	9.42E-07	4.00E-07	3.05E-03	9.61E-07	4.08E-07	3.04E-03	9.60E-07	4.07E-07
2285	494861.06, 3859951.99	2.95E-03	9.33E-07	3.96E-07	3.01E-03	9.52E-07	4.04E-07	3.01E-03	9.50E-07	4.03E-07
2286	494911.06, 3859951.99	2.89E-03	9.12E-07	3.87E-07	2.95E-03	9.31E-07	3.95E-07	2.94E-03	9.29E-07	3.94E-07
2287	494961.06, 3859951.99	2.83E-03	8.93E-07	3.79E-07	2.89E-03	9.12E-07	3.87E-07	2.89E-03	9.11E-07	3.86E-07
2288	495011.06, 3859951.99	2.78E-03	8.77E-07	3.72E-07	2.83E-03	8.95E-07	3.80E-07	2.83E-03	8.94E-07	3.79E-07
2289	495061.06, 3859951.99	2.73E-03	8.63E-07	3.66E-07	2.79E-03	8.81E-07	3.74E-07	2.79E-03	8.80E-07	3.73E-07
2290	495111.06, 3859951.99	2.68E-03	8.45E-07	3.58E-07	2.73E-03	8.62E-07	3.66E-07	2.73E-03	8.61E-07	3.65E-07
2291	495161.06, 3859951.99	2.62E-03	8.27E-07	3.51E-07	2.68E-03	8.44E-07	3.58E-07	2.67E-03	8.43E-07	3.58E-07
2292	495211.06, 3859951.99	2.57E-03	8.11E-07	3.44E-07	2.62E-03	8.28E-07	3.51E-07	2.62E-03	8.27E-07	3.51E-07
2293	495261.06, 3859951.99	2.53E-03	7.97E-07	3.38E-07	2.58E-03	8.14E-07	3.45E-07	2.57E-03	8.13E-07	3.45E-07
2294	495311.06, 3859951.99	2.50E-03	7.88E-07	3.35E-07	2.55E-03	8.05E-07	3.41E-07	2.55E-03	8.04E-07	3.41E-07
2295	495361.06, 3859951.99	2.46E-03	7.77E-07	3.29E-07	2.51E-03	7.92E-07	3.36E-07	2.51E-03	7.91E-07	3.36E-07
2296	495411.06, 3859951.99	2.41E-03	7.61E-07	3.23E-07	2.46E-03	7.77E-07	3.30E-07	2.46E-03	7.76E-07	3.29E-07
2297	495461.06, 3859951.99	2.37E-03	7.48E-07	3.17E-07	2.42E-03	7.63E-07	3.24E-07	2.42E-03	7.62E-07	3.24E-07
2298	495511.06, 3859951.99	2.33E-03	7.35E-07	3.12E-07	2.38E-03	7.50E-07	3.18E-07	2.37E-03	7.49E-07	3.18E-07
2299	495561.06, 3859951.99	2.31E-03	7.28E-07	3.09E-07	2.35E-03	7.43E-07	3.15E-07	2.35E-03	7.42E-07	3.15E-07
2300	495611.06, 3859951.99	2.26E-03	7.15E-07	3.03E-07	2.31E-03	7.29E-07	3.09E-07	2.31E-03	7.28E-07	3.09E-07
2301	495661.06, 3859951.99	2.22E-03	7.00E-07	2.97E-07	2.26E-03	7.14E-07	3.03E-07	2.26E-03	7.13E-07	3.03E-07
2302	494311.06, 3860001.99	3.63E-03	1.15E-06	4.86E-07	3.71E-03	1.17E-06	4.96E-07	3.70E-03	1.17E-06	4.96E-07
2303	494361.06, 3860001.99	3.56E-03	1.12E-06	4.77E-07	3.63E-03	1.15E-06	4.86E-07	3.63E-03	1.14E-06	4.86E-07
2304	494411.06, 3860001.99	3.46E-03	1.09E-06	4.63E-07	3.53E-03	1.11E-06	4.73E-07	3.52E-03	1.11E-06	4.72E-07
2305	494461.06, 3860001.99	3.41E-03	1.08E-06	4.56E-07	3.48E-03	1.10E-06	4.65E-07	3.47E-03	1.10E-06	4.65E-07
2306	494511.06, 3860001.99	3.33E-03	1.05E-06	4.46E-07	3.40E-03	1.07E-06	4.55E-07	3.39E-03	1.07E-06	4.55E-07

2307	494561.06, 3860001.99	3.36E-03	1.06E-06	4.50E-07	3.43E-03	1.08E-06	4.59E-07	3.43E-03	1.08E-06	4.59E-07
2308	494611.06, 3860001.99	3.28E-03	1.04E-06	4.39E-07	3.35E-03	1.06E-06	4.48E-07	3.34E-03	1.06E-06	4.48E-07
2309	494661.06, 3860001.99	3.23E-03	1.02E-06	4.33E-07	3.30E-03	1.04E-06	4.42E-07	3.29E-03	1.04E-06	4.41E-07
2310	494711.06, 3860001.99	3.10E-03	9.78E-07	4.15E-07	3.16E-03	9.98E-07	4.24E-07	3.16E-03	9.97E-07	4.23E-07
2311	494761.06, 3860001.99	3.09E-03	9.76E-07	4.14E-07	3.16E-03	9.96E-07	4.23E-07	3.15E-03	9.95E-07	4.22E-07
2312	494811.06, 3860001.99	3.05E-03	9.64E-07	4.09E-07	3.12E-03	9.83E-07	4.17E-07	3.11E-03	9.82E-07	4.17E-07
2313	494861.06, 3860001.99	3.02E-03	9.53E-07	4.04E-07	3.08E-03	9.73E-07	4.13E-07	3.08E-03	9.71E-07	4.12E-07
2314	494911.06, 3860001.99	2.91E-03	9.18E-07	3.89E-07	2.97E-03	9.36E-07	3.97E-07	2.96E-03	9.35E-07	3.97E-07
2315	494961.06, 3860001.99	2.87E-03	9.07E-07	3.85E-07	2.93E-03	9.25E-07	3.93E-07	2.93E-03	9.24E-07	3.92E-07
2316	495011.06, 3860001.99	2.81E-03	8.88E-07	3.77E-07	2.87E-03	9.06E-07	3.85E-07	2.87E-03	9.05E-07	3.84E-07
2317	495061.06, 3860001.99	2.78E-03	8.78E-07	3.73E-07	2.84E-03	8.96E-07	3.80E-07	2.84E-03	8.95E-07	3.80E-07
2318	495111.06, 3860001.99	2.73E-03	8.60E-07	3.65E-07	2.78E-03	8.78E-07	3.72E-07	2.78E-03	8.77E-07	3.72E-07
2319	495161.06, 3860001.99	2.67E-03	8.42E-07	3.57E-07	2.72E-03	8.60E-07	3.65E-07	2.72E-03	8.58E-07	3.64E-07
2320	495211.06, 3860001.99	2.64E-03	8.33E-07	3.53E-07	2.69E-03	8.50E-07	3.60E-07	2.69E-03	8.49E-07	3.60E-07
2321	495261.06, 3860001.99	2.59E-03	8.17E-07	3.47E-07	2.64E-03	8.33E-07	3.54E-07	2.64E-03	8.32E-07	3.53E-07
2322	495311.06, 3860001.99	2.55E-03	8.04E-07	3.41E-07	2.60E-03	8.21E-07	3.48E-07	2.60E-03	8.20E-07	3.48E-07
2323	495361.06, 3860001.99	2.48E-03	7.84E-07	3.32E-07	2.53E-03	8.00E-07	3.39E-07	2.53E-03	7.99E-07	3.39E-07
2324	495411.06, 3860001.99	2.46E-03	7.77E-07	3.30E-07	2.51E-03	7.93E-07	3.36E-07	2.51E-03	7.92E-07	3.36E-07
2325	495461.06, 3860001.99	2.42E-03	7.64E-07	3.24E-07	2.47E-03	7.79E-07	3.31E-07	2.47E-03	7.78E-07	3.30E-07
2326	495511.06, 3860001.99	2.38E-03	7.51E-07	3.19E-07	2.43E-03	7.67E-07	3.25E-07	2.43E-03	7.66E-07	3.25E-07
2327	495561.06, 3860001.99	2.35E-03	7.43E-07	3.15E-07	2.40E-03	7.58E-07	3.22E-07	2.40E-03	7.57E-07	3.21E-07
2328	495611.06, 3860001.99	2.31E-03	7.28E-07	3.09E-07	2.35E-03	7.43E-07	3.15E-07	2.35E-03	7.42E-07	3.15E-07
2329	495661.06, 3860001.99	2.26E-03	7.14E-07	3.03E-07	2.31E-03	7.28E-07	3.09E-07	2.31E-03	7.28E-07	3.09E-07
2330	494411.06, 3860051.99	3.53E-03	1.11E-06	4.73E-07	3.60E-03	1.14E-06	4.83E-07	3.60E-03	1.14E-06	4.82E-07
2331	494461.06, 3860051.99	3.46E-03	1.09E-06	4.63E-07	3.53E-03	1.11E-06	4.73E-07	3.53E-03	1.11E-06	4.72E-07
2332	494511.06, 3860051.99	3.40E-03	1.07E-06	4.55E-07	3.47E-03	1.09E-06	4.64E-07	3.46E-03	1.09E-06	4.63E-07
2333	494561.06, 3860051.99	3.38E-03	1.07E-06	4.53E-07	3.45E-03	1.09E-06	4.62E-07	3.45E-03	1.09E-06	4.62E-07
2334	494611.06, 3860051.99	3.34E-03	1.05E-06	4.47E-07	3.41E-03	1.08E-06	4.56E-07	3.40E-03	1.07E-06	4.56E-07
2335	494661.06, 3860051.99	3.29E-03	1.04E-06	4.40E-07	3.36E-03	1.06E-06	4.49E-07	3.35E-03	1.06E-06	4.49E-07
2336	494711.06, 3860051.99	3.19E-03	1.01E-06	4.28E-07	3.26E-03	1.03E-06	4.36E-07	3.25E-03	1.03E-06	4.36E-07
2337	494761.06, 3860051.99	3.15E-03	9.94E-07	4.22E-07	3.21E-03	1.01E-06	4.30E-07	3.21E-03	1.01E-06	4.30E-07
2338	494811.06, 3860051.99	3.12E-03	9.86E-07	4.18E-07	3.19E-03	1.01E-06	4.27E-07	3.18E-03	1.00E-06	4.26E-07
2339	494861.06, 3860051.99	3.09E-03	9.76E-07	4.14E-07	3.16E-03	9.96E-07	4.23E-07	3.15E-03	9.95E-07	4.22E-07
2340	494911.06, 3860051.99	3.02E-03	9.53E-07	4.04E-07	3.08E-03	9.72E-07	4.12E-07	3.08E-03	9.71E-07	4.12E-07
2341	494961.06, 3860051.99	2.94E-03	9.29E-07	3.94E-07	3.00E-03	9.48E-07	4.02E-07	3.00E-03	9.47E-07	4.02E-07
2342	495011.06, 3860051.99	2.88E-03	9.08E-07	3.85E-07	2.94E-03	9.27E-07	3.93E-07	2.93E-03	9.26E-07	3.93E-07
2343	495061.06, 3860051.99	2.83E-03	8.92E-07	3.78E-07	2.88E-03	9.10E-07	3.86E-07	2.88E-03	9.09E-07	3.86E-07
2344	495111.06, 3860051.99	2.76E-03	8.71E-07	3.69E-07	2.82E-03	8.89E-07	3.77E-07	2.81E-03	8.87E-07	3.77E-07
2345	495161.06, 3860051.99	2.71E-03	8.56E-07	3.63E-07	2.77E-03	8.73E-07	3.70E-07	2.76E-03	8.72E-07	3.70E-07
2346	495211.06, 3860051.99	2.66E-03	8.39E-07	3.56E-07	2.71E-03	8.56E-07	3.63E-07	2.71E-03	8.55E-07	3.63E-07
2347	495261.06, 3860051.99	2.62E-03	8.27E-07	3.51E-07	2.67E-03	8.44E-07	3.58E-07	2.67E-03	8.43E-07	3.57E-07
2348	495311.06, 3860051.99	2.59E-03	8.16E-07	3.46E-07	2.64E-03	8.33E-07	3.53E-07	2.64E-03	8.32E-07	3.53E-07
2349	495361.06, 3860051.99	2.55E-03	8.04E-07	3.41E-07	2.60E-03	8.20E-07	3.48E-07	2.60E-03	8.19E-07	3.48E-07
2350	495411.06, 3860051.99	2.51E-03	7.91E-07	3.36E-07	2.56E-03	8.07E-07	3.42E-07	2.55E-03	8.06E-07	3.42E-07
2351	495461.06, 3860051.99	2.46E-03	7.77E-07	3.30E-07	2.51E-03	7.93E-07	3.36E-07	2.51E-03	7.92E-07	3.36E-07
2352	495511.06, 3860051.99	2.43E-03	7.66E-07	3.25E-07	2.48E-03	7.82E-07	3.32E-07	2.47E-03	7.81E-07	3.31E-07
2353	495561.06, 3860051.99	2.39E-03	7.54E-07	3.20E-07	2.44E-03	7.70E-07	3.27E-07	2.44E-03	7.69E-07	3.26E-07
2354	495611.06, 3860051.99	2.35E-03	7.41E-07	3.14E-07	2.39E-03	7.56E-07	3.21E-07	2.39E-03	7.55E-07	3.20E-07
2355	495661.06, 3860051.99	2.30E-03	7.25E-07	3.08E-07	2.34E-03	7.40E-07	3.14E-07	2.34E-03	7.39E-07	3.14E-07
2356	494411.06, 3860101.99	3.54E-03	1.12E-06	4.74E-07	3.61E-03	1.14E-06	4.84E-07	3.61E-03	1.14E-06	4.83E-07
2357	494461.06, 3860101.99	3.52E-03	1.11E-06	4.71E-07	3.59E-03	1.13E-06	4.81E-07	3.59E-03	1.13E-06	4.80E-07
2358	494511.06, 3860101.99	3.42E-03	1.08E-06	4.58E-07	3.49E-03	1.10E-06	4.68E-07	3.49E-03	1.10E-06	4.67E-07
2359	494561.06, 3860101.99	3.38E-03	1.07E-06	4.53E-07	3.45E-03	1.09E-06	4.62E-07	3.45E-03	1.09E-06	4.62E-07
2360	494611.06, 3860101.99	3.37E-03	1.06E-06	4.51E-07	3.44E-03	1.09E-06	4.60E-07	3.43E-03	1.08E-06	4.60E-07
2361	494661.06, 3860101.99	3.32E-03	1.05E-06	4.45E-07	3.39E-03	1.07E-06	4.54E-07	3.39E-03	1.07E-06	4.54E-07
2362	494711.06, 3860101.99	3.24E-03	1.02E-06	4.34E-07	3.30E-03	1.04E-06	4.43E-07	3.30E-03	1.04E-06	4.42E-07
2363	494761.06, 3860101.99	3.19E-03	1.01E-06	4.27E-07	3.26E-03	1.03E-06	4.36E-07	3.25E-03	1.03E-06	4.36E-07
2364	494811.06, 3860101.99	3.15E-03	9.94E-07	4.22E-07	3.21E-03	1.01E-06	4.30E-07	3.21E-03	1.01E-06	4.30E-07
2365	494861.06, 3860101.99	3.16E-03	9.97E-07	4.23E-07	3.22E-03	1.02E-06	4.32E-07	3.22E-03	1.02E-06	4.31E-07
2366	494911.06, 3860101.99	3.02E-03	9.54E-07	4.05E-07	3.09E-03	9.74E-07	4.13E-07	3.08E-03	9.73E-07	4.13E-07
2367	494961.06, 3860101.99	2.98E-03	9.39E-07	3.99E-07	3.04E-03	9.59E-07	4.07E-07	3.03E-03	9.57E-07	4.06E-07
2368	495011.06, 3860101.99	2.91E-03	9.19E-07	3.90E-07	2.97E-03	9.38E-07	3.98E-07	2.97E-03	9.37E-07	3.98E-07
2369	495061.06, 3860101.99	2.85E-03	9.01E-07	3.82E-07	2.91E-03	9.19E-07	3.90E-07	2.91E-03	9.18E-07	3.90E-07
2370	495111.06, 3860101.99	2.79E-03	8.79E-07	3.73E-07	2.84E-03	8.97E-07	3.81E-07	2.84E-03	8.96E-07	3.80E-07
2371	495161.06, 3860101.99	2.75E-03	8.67E-07	3.68E-07	2.80E-03	8.85E-07	3.75E-07	2.80E-03	8.84E-07	3.75E-07
2372	495211.06, 3860101.99	2.70E-03	8.52E-07	3.62E-07	2.75E-03	8.69E-07	3.69E-07	2.75E-03	8.68E-07	3.68E-07
2373	495261.06, 3860101.99	2.65E-03	8.37E-07	3.55E-07	2.71E-03	8.54E-07	3.63E-07	2.70E-03	8.53E-07	3.62E-07
2374	495311.06, 3860101.99	2.61E-03	8.25E-07	3.50E-07	2.67E-03	8.41E-07	3.57E-07	2.66E-03	8.40E-07	3.57E-07
2375	495361.06, 3860101.99	2.58E-03	8.15E-07	3.46E-07	2.63E-03	8.31E-07	3.53E-07	2.63E-03	8.30E-07	3.52E-07
2376	495411.06, 3860101.99	2.54E-03	8.01E-07	3.40E-07	2.59E-03	8.17E-07	3.47E-07	2.59E-03	8.16E-07	3.46E-07

2377	495461.06, 3860101.99	2.48E-03	7.83E-07	3.32E-07	2.53E-03	7.99E-07	3.39E-07	2.53E-03	7.98E-07	3.39E-07
2378	495511.06, 3860101.99	2.45E-03	7.74E-07	3.28E-07	2.50E-03	7.90E-07	3.35E-07	2.50E-03	7.89E-07	3.35E-07
2379	495561.06, 3860101.99	2.42E-03	7.65E-07	3.25E-07	2.47E-03	7.81E-07	3.31E-07	2.47E-03	7.80E-07	3.31E-07
2380	495611.06, 3860101.99	2.37E-03	7.48E-07	3.18E-07	2.42E-03	7.64E-07	3.24E-07	2.42E-03	7.63E-07	3.24E-07
2381	495661.06, 3860101.99	2.33E-03	7.37E-07	3.13E-07	2.38E-03	7.52E-07	3.19E-07	2.38E-03	7.51E-07	3.19E-07
2382	494861.06, 3860151.99	3.21E-03	1.01E-06	4.30E-07	3.27E-03	1.03E-06	4.38E-07	3.27E-03	1.03E-06	4.38E-07
2383	494911.06, 3860151.99	3.07E-03	9.68E-07	4.11E-07	3.13E-03	9.88E-07	4.19E-07	3.13E-03	9.87E-07	4.19E-07
2384	494961.06, 3860151.99	3.01E-03	9.49E-07	4.03E-07	3.07E-03	9.68E-07	4.11E-07	3.06E-03	9.67E-07	4.10E-07
2385	495011.06, 3860151.99	2.94E-03	9.29E-07	3.94E-07	3.00E-03	9.48E-07	4.02E-07	3.00E-03	9.46E-07	4.02E-07
2386	495061.06, 3860151.99	2.88E-03	9.09E-07	3.86E-07	2.94E-03	9.28E-07	3.94E-07	2.94E-03	9.27E-07	3.93E-07
2387	495111.06, 3860151.99	2.83E-03	8.93E-07	3.79E-07	2.89E-03	9.11E-07	3.87E-07	2.88E-03	9.10E-07	3.86E-07
2388	495161.06, 3860151.99	2.78E-03	8.78E-07	3.73E-07	2.84E-03	8.96E-07	3.80E-07	2.84E-03	8.95E-07	3.80E-07
2389	495211.06, 3860151.99	2.73E-03	8.62E-07	3.66E-07	2.79E-03	8.80E-07	3.73E-07	2.78E-03	8.79E-07	3.73E-07
2390	495261.06, 3860151.99	2.69E-03	8.49E-07	3.60E-07	2.74E-03	8.66E-07	3.68E-07	2.74E-03	8.65E-07	3.67E-07
2391	495311.06, 3860151.99	2.65E-03	8.36E-07	3.55E-07	2.70E-03	8.53E-07	3.62E-07	2.70E-03	8.52E-07	3.61E-07
2392	495361.06, 3860151.99	2.61E-03	8.23E-07	3.49E-07	2.66E-03	8.40E-07	3.57E-07	2.66E-03	8.39E-07	3.56E-07
2393	495411.06, 3860151.99	2.57E-03	8.10E-07	3.44E-07	2.62E-03	8.26E-07	3.51E-07	2.61E-03	8.25E-07	3.50E-07
2394	495461.06, 3860151.99	2.52E-03	7.97E-07	3.38E-07	2.58E-03	8.13E-07	3.45E-07	2.57E-03	8.12E-07	3.45E-07
2395	495511.06, 3860151.99	2.48E-03	7.83E-07	3.32E-07	2.53E-03	7.98E-07	3.39E-07	2.53E-03	7.98E-07	3.38E-07
2396	495561.06, 3860151.99	2.44E-03	7.72E-07	3.27E-07	2.49E-03	7.87E-07	3.34E-07	2.49E-03	7.86E-07	3.34E-07
2397	495611.06, 3860151.99	2.40E-03	7.58E-07	3.22E-07	2.45E-03	7.74E-07	3.28E-07	2.45E-03	7.73E-07	3.28E-07
2398	495661.06, 3860151.99	2.36E-03	7.44E-07	3.16E-07	2.41E-03	7.59E-07	3.22E-07	2.40E-03	7.58E-07	3.22E-07
2399	495718.25, 3859442.96	1.68E-03	5.30E-07	2.25E-07	1.71E-03	5.40E-07	2.29E-07	1.71E-03	5.40E-07	2.29E-07
2400	495818.25, 3859442.96	1.63E-03	5.14E-07	2.18E-07	1.66E-03	5.25E-07	2.23E-07	1.66E-03	5.24E-07	2.22E-07
2401	495918.25, 3859442.96	1.59E-03	5.02E-07	2.13E-07	1.62E-03	5.12E-07	2.17E-07	1.62E-03	5.12E-07	2.17E-07
2402	496018.25, 3859442.96	1.56E-03	4.92E-07	2.09E-07	1.59E-03	5.02E-07	2.13E-07	1.59E-03	5.01E-07	2.13E-07
2403	496118.25, 3859442.96	1.56E-03	4.91E-07	2.08E-07	1.59E-03	5.01E-07	2.13E-07	1.59E-03	5.01E-07	2.12E-07
2404	496218.25, 3859442.96	1.55E-03	4.89E-07	2.08E-07	1.58E-03	4.99E-07	2.12E-07	1.58E-03	4.99E-07	2.12E-07
2405	496318.25, 3859442.96	1.52E-03	4.80E-07	2.04E-07	1.55E-03	4.90E-07	2.08E-07	1.55E-03	4.89E-07	2.08E-07
2406	496418.25, 3859442.96	1.49E-03	4.71E-07	2.00E-07	1.52E-03	4.80E-07	2.04E-07	1.52E-03	4.80E-07	2.04E-07
2407	495718.25, 3859542.96	1.78E-03	5.63E-07	2.39E-07	1.82E-03	5.75E-07	2.44E-07	1.82E-03	5.74E-07	2.43E-07
2408	495818.25, 3859542.96	1.74E-03	5.49E-07	2.33E-07	1.78E-03	5.60E-07	2.38E-07	1.77E-03	5.60E-07	2.37E-07
2409	495918.25, 3859542.96	1.69E-03	5.33E-07	2.26E-07	1.72E-03	5.44E-07	2.31E-07	1.72E-03	5.44E-07	2.31E-07
2410	496018.25, 3859542.96	1.65E-03	5.20E-07	2.21E-07	1.68E-03	5.31E-07	2.25E-07	1.68E-03	5.30E-07	2.25E-07
2411	496118.25, 3859542.96	1.64E-03	5.19E-07	2.20E-07	1.68E-03	5.29E-07	2.25E-07	1.68E-03	5.29E-07	2.24E-07
2412	496218.25, 3859542.96	1.63E-03	5.14E-07	2.18E-07	1.66E-03	5.25E-07	2.23E-07	1.66E-03	5.24E-07	2.22E-07
2413	496318.25, 3859542.96	1.61E-03	5.08E-07	2.16E-07	1.64E-03	5.18E-07	2.20E-07	1.64E-03	5.18E-07	2.20E-07
2414	496418.25, 3859542.96	1.57E-03	4.95E-07	2.10E-07	1.60E-03	5.05E-07	2.14E-07	1.60E-03	5.05E-07	2.14E-07
2415	495718.25, 3859642.96	1.88E-03	5.93E-07	2.52E-07	1.92E-03	6.05E-07	2.57E-07	1.91E-03	6.04E-07	2.56E-07
2416	495818.25, 3859642.96	1.82E-03	5.75E-07	2.44E-07	1.86E-03	5.87E-07	2.49E-07	1.86E-03	5.87E-07	2.49E-07
2417	495918.25, 3859642.96	1.78E-03	5.63E-07	2.39E-07	1.82E-03	5.74E-07	2.44E-07	1.82E-03	5.74E-07	2.43E-07
2418	496018.25, 3859642.96	1.74E-03	5.48E-07	2.33E-07	1.77E-03	5.59E-07	2.37E-07	1.77E-03	5.59E-07	2.37E-07
2419	496118.25, 3859642.96	1.74E-03	5.48E-07	2.33E-07	1.77E-03	5.60E-07	2.37E-07	1.77E-03	5.59E-07	2.37E-07
2420	496218.25, 3859642.96	1.73E-03	5.45E-07	2.31E-07	1.76E-03	5.56E-07	2.36E-07	1.76E-03	5.55E-07	2.36E-07
2421	496318.25, 3859642.96	1.69E-03	5.32E-07	2.26E-07	1.72E-03	5.43E-07	2.30E-07	1.72E-03	5.42E-07	2.30E-07
2422	496418.25, 3859642.96	1.59E-03	5.01E-07	2.13E-07	1.62E-03	5.11E-07	2.17E-07	1.62E-03	5.11E-07	2.17E-07
2423	495718.25, 3859742.96	1.99E-03	6.29E-07	2.67E-07	2.03E-03	6.42E-07	2.72E-07	2.03E-03	6.41E-07	2.72E-07
2424	495818.25, 3859742.96	1.93E-03	6.08E-07	2.58E-07	1.96E-03	6.20E-07	2.63E-07	1.96E-03	6.19E-07	2.63E-07
2425	495918.25, 3859742.96	1.87E-03	5.91E-07	2.51E-07	1.91E-03	6.03E-07	2.56E-07	1.91E-03	6.02E-07	2.56E-07
2426	496018.25, 3859742.96	1.82E-03	5.74E-07	2.44E-07	1.86E-03	5.86E-07	2.49E-07	1.85E-03	5.85E-07	2.48E-07
2427	496118.25, 3859742.96	1.81E-03	5.72E-07	2.43E-07	1.85E-03	5.84E-07	2.48E-07	1.85E-03	5.83E-07	2.47E-07
2428	496218.25, 3859742.96	1.82E-03	5.73E-07	2.43E-07	1.85E-03	5.85E-07	2.48E-07	1.85E-03	5.84E-07	2.48E-07
2429	496318.25, 3859742.96	1.72E-03	5.42E-07	2.30E-07	1.75E-03	5.53E-07	2.35E-07	1.75E-03	5.52E-07	2.34E-07
2430	496418.25, 3859742.96	1.63E-03	5.13E-07	2.18E-07	1.66E-03	5.24E-07	2.22E-07	1.66E-03	5.23E-07	2.22E-07
2431	495718.25, 3859842.96	2.09E-03	6.60E-07	2.80E-07	2.13E-03	6.74E-07	2.86E-07	2.13E-03	6.73E-07	2.86E-07
2432	495818.25, 3859842.96	2.03E-03	6.41E-07	2.72E-07	2.07E-03	6.54E-07	2.77E-07	2.07E-03	6.53E-07	2.77E-07
2433	495918.25, 3859842.96	1.97E-03	6.22E-07	2.64E-07	2.01E-03	6.34E-07	2.69E-07	2.01E-03	6.34E-07	2.69E-07
2434	496018.25, 3859842.96	1.93E-03	6.09E-07	2.58E-07	1.97E-03	6.21E-07	2.63E-07	1.97E-03	6.20E-07	2.63E-07
2435	496118.25, 3859842.96	1.93E-03	6.10E-07	2.59E-07	1.97E-03	6.22E-07	2.64E-07	1.97E-03	6.22E-07	2.64E-07
2436	496218.25, 3859842.96	1.83E-03	5.79E-07	2.46E-07	1.87E-03	5.91E-07	2.51E-07	1.87E-03	5.90E-07	2.50E-07
2437	496318.25, 3859842.96	1.67E-03	5.27E-07	2.24E-07	1.70E-03	5.38E-07	2.28E-07	1.70E-03	5.37E-07	2.28E-07
2438	496418.25, 3859842.96	1.57E-03	4.96E-07	2.10E-07	1.60E-03	5.06E-07	2.15E-07	1.60E-03	5.05E-07	2.14E-07
2439	495718.25, 3859942.96	2.18E-03	6.87E-07	2.91E-07	2.22E-03	7.01E-07	2.97E-07	2.22E-03	7.00E-07	2.97E-07
2440	495818.25, 3859942.96	2.11E-03	6.65E-07	2.82E-07	2.15E-03	6.78E-07	2.88E-07	2.15E-03	6.78E-07	2.87E-07
2441	495918.25, 3859942.96	2.05E-03	6.48E-07	2.75E-07	2.10E-03	6.61E-07	2.81E-07	2.09E-03	6.61E-07	2.80E-07
2442	496018.25, 3859942.96	2.04E-03	6.44E-07	2.73E-07	2.08E-03	6.57E-07	2.79E-07	2.08E-03	6.56E-07	2.78E-07
2443	496118.25, 3859942.96	1.95E-03	6.15E-07	2.61E-07	1.99E-03	6.27E-07	2.66E-07	1.99E-03	6.27E-07	2.66E-07
2444	496218.25, 3859942.96	1.82E-03	5.75E-07	2.44E-07	1.86E-03	5.86E-07	2.49E-07	1.86E-03	5.86E-07	2.49E-07
2445	496318.25, 3859942.96	1.70E-03	5.37E-07	2.28E-07	1.74E-03	5.48E-07	2.33E-07	1.74E-03	5.48E-07	2.32E-07
2446	496418.25, 3859942.96	1.57E-03	4.94E-07	2.10E-07	1.60E-03	5.05E-07	2.14E-07	1.60E-03	5.04E-07	2.14E-07

2447	496856.82, 3858864.83	9.90E-04	3.12E-07	1.33E-07	1.01E-03	3.19E-07	1.35E-07	1.01E-03	3.18E-07	1.35E-07
2448	496956.82, 3858864.83	9.72E-04	3.07E-07	1.30E-07	9.92E-04	3.13E-07	1.33E-07	9.91E-04	3.13E-07	1.33E-07
2449	497056.82, 3858864.83	9.56E-04	3.02E-07	1.28E-07	9.75E-04	3.08E-07	1.31E-07	9.74E-04	3.07E-07	1.30E-07
2450	497156.82, 3858864.83	9.36E-04	2.96E-07	1.25E-07	9.56E-04	3.02E-07	1.28E-07	9.54E-04	3.01E-07	1.28E-07
2451	497256.82, 3858864.83	9.28E-04	2.93E-07	1.24E-07	9.47E-04	2.99E-07	1.27E-07	9.46E-04	2.98E-07	1.27E-07
2452	496856.82, 3858964.83	1.05E-03	3.32E-07	1.41E-07	1.07E-03	3.39E-07	1.44E-07	1.07E-03	3.38E-07	1.44E-07
2453	496956.82, 3858964.83	1.03E-03	3.24E-07	1.37E-07	1.05E-03	3.30E-07	1.40E-07	1.05E-03	3.30E-07	1.40E-07
2454	497056.82, 3858964.83	1.01E-03	3.18E-07	1.35E-07	1.03E-03	3.24E-07	1.37E-07	1.03E-03	3.24E-07	1.37E-07
2455	497156.82, 3858964.83	9.86E-04	3.11E-07	1.32E-07	1.01E-03	3.17E-07	1.35E-07	1.00E-03	3.17E-07	1.35E-07
2456	497256.82, 3858964.83	9.88E-04	3.12E-07	1.32E-07	1.01E-03	3.18E-07	1.35E-07	1.01E-03	3.18E-07	1.35E-07
2457	496856.82, 3859064.83	1.10E-03	3.48E-07	1.48E-07	1.12E-03	3.55E-07	1.51E-07	1.12E-03	3.54E-07	1.50E-07
2458	496956.82, 3859064.83	1.08E-03	3.40E-07	1.44E-07	1.10E-03	3.47E-07	1.47E-07	1.10E-03	3.47E-07	1.47E-07
2459	497056.82, 3859064.83	1.06E-03	3.34E-07	1.42E-07	1.08E-03	3.41E-07	1.45E-07	1.08E-03	3.40E-07	1.44E-07
2460	497156.82, 3859064.83	1.04E-03	3.28E-07	1.39E-07	1.06E-03	3.35E-07	1.42E-07	1.06E-03	3.34E-07	1.42E-07
2461	497256.82, 3859064.83	1.05E-03	3.31E-07	1.40E-07	1.07E-03	3.38E-07	1.43E-07	1.07E-03	3.37E-07	1.43E-07
2462	496856.82, 3859164.83	1.14E-03	3.60E-07	1.53E-07	1.16E-03	3.68E-07	1.56E-07	1.16E-03	3.67E-07	1.56E-07
2463	496956.82, 3859164.83	1.11E-03	3.52E-07	1.49E-07	1.14E-03	3.59E-07	1.52E-07	1.14E-03	3.58E-07	1.52E-07
2464	497056.82, 3859164.83	1.10E-03	3.47E-07	1.47E-07	1.12E-03	3.54E-07	1.50E-07	1.12E-03	3.53E-07	1.50E-07
2465	497156.82, 3859164.83	1.10E-03	3.46E-07	1.47E-07	1.12E-03	3.53E-07	1.50E-07	1.12E-03	3.53E-07	1.50E-07
2466	497256.82, 3859164.83	1.11E-03	3.51E-07	1.49E-07	1.13E-03	3.58E-07	1.52E-07	1.13E-03	3.57E-07	1.52E-07
2467	496856.82, 3859264.83	1.17E-03	3.70E-07	1.57E-07	1.20E-03	3.77E-07	1.60E-07	1.19E-03	3.77E-07	1.60E-07
2468	496956.82, 3859264.83	1.16E-03	3.66E-07	1.55E-07	1.18E-03	3.74E-07	1.59E-07	1.18E-03	3.73E-07	1.58E-07
2469	497056.82, 3859264.83	1.16E-03	3.66E-07	1.55E-07	1.18E-03	3.73E-07	1.58E-07	1.18E-03	3.73E-07	1.58E-07
2470	497156.82, 3859264.83	1.16E-03	3.65E-07	1.55E-07	1.18E-03	3.72E-07	1.58E-07	1.18E-03	3.72E-07	1.58E-07
2471	497256.82, 3859264.83	1.17E-03	3.68E-07	1.56E-07	1.19E-03	3.75E-07	1.59E-07	1.19E-03	3.75E-07	1.59E-07
2472	497088.92, 3858620.93	8.21E-04	2.59E-07	1.10E-07	8.37E-04	2.64E-07	1.12E-07	8.36E-04	2.64E-07	1.12E-07
2473	497138.92, 3858620.93	8.19E-04	2.58E-07	1.10E-07	8.36E-04	2.64E-07	1.12E-07	8.35E-04	2.63E-07	1.12E-07
2474	497188.92, 3858620.93	8.16E-04	2.57E-07	1.09E-07	8.32E-04	2.63E-07	1.11E-07	8.31E-04	2.62E-07	1.11E-07
2475	497238.92, 3858620.93	8.11E-04	2.56E-07	1.09E-07	8.28E-04	2.61E-07	1.11E-07	8.27E-04	2.61E-07	1.11E-07
2476	497088.92, 3858670.93	8.40E-04	2.65E-07	1.12E-07	8.57E-04	2.70E-07	1.15E-07	8.56E-04	2.70E-07	1.15E-07
2477	497138.92, 3858670.93	8.42E-04	2.66E-07	1.13E-07	8.59E-04	2.71E-07	1.15E-07	8.58E-04	2.71E-07	1.15E-07
2478	497188.92, 3858670.93	8.34E-04	2.63E-07	1.12E-07	8.52E-04	2.69E-07	1.14E-07	8.51E-04	2.68E-07	1.14E-07
2479	497238.92, 3858670.93	8.32E-04	2.63E-07	1.11E-07	8.49E-04	2.68E-07	1.14E-07	8.48E-04	2.68E-07	1.14E-07
2480	497088.92, 3858720.93	8.72E-04	2.75E-07	1.17E-07	8.89E-04	2.81E-07	1.19E-07	8.88E-04	2.80E-07	1.19E-07
2481	497138.92, 3858720.93	8.53E-04	2.69E-07	1.14E-07	8.70E-04	2.75E-07	1.17E-07	8.69E-04	2.74E-07	1.16E-07
2482	497188.92, 3858720.93	8.48E-04	2.68E-07	1.14E-07	8.65E-04	2.73E-07	1.16E-07	8.64E-04	2.73E-07	1.16E-07
2483	497238.92, 3858720.93	8.55E-04	2.70E-07	1.15E-07	8.73E-04	2.75E-07	1.17E-07	8.72E-04	2.75E-07	1.17E-07
2484	497088.92, 3858770.93	8.93E-04	2.82E-07	1.20E-07	9.11E-04	2.87E-07	1.22E-07	9.10E-04	2.87E-07	1.22E-07
2485	497138.92, 3858770.93	8.83E-04	2.79E-07	1.18E-07	9.01E-04	2.85E-07	1.21E-07	9.00E-04	2.84E-07	1.21E-07
2486	497188.92, 3858770.93	8.74E-04	2.76E-07	1.17E-07	8.92E-04	2.81E-07	1.19E-07	8.91E-04	2.81E-07	1.19E-07
2487	497238.92, 3858770.93	8.79E-04	2.78E-07	1.18E-07	8.97E-04	2.83E-07	1.20E-07	8.96E-04	2.83E-07	1.20E-07
2488	497396.65, 3858622.63	8.36E-04	2.64E-07	1.12E-07	8.53E-04	2.69E-07	1.14E-07	8.52E-04	2.69E-07	1.14E-07
2489	497496.65, 3858622.63	8.49E-04	2.68E-07	1.14E-07	8.67E-04	2.74E-07	1.16E-07	8.66E-04	2.73E-07	1.16E-07
2490	497596.65, 3858622.63	8.74E-04	2.76E-07	1.17E-07	8.92E-04	2.82E-07	1.19E-07	8.91E-04	2.81E-07	1.19E-07
2491	497696.65, 3858622.63	8.83E-04	2.79E-07	1.18E-07	9.01E-04	2.85E-07	1.21E-07	9.00E-04	2.84E-07	1.21E-07
2492	497796.65, 3858622.63	9.00E-04	2.84E-07	1.21E-07	9.19E-04	2.90E-07	1.23E-07	9.17E-04	2.90E-07	1.23E-07
2493	497896.65, 3858622.63	9.18E-04	2.90E-07	1.23E-07	9.36E-04	2.96E-07	1.25E-07	9.35E-04	2.95E-07	1.25E-07
2494	497396.65, 3858722.63	8.85E-04	2.79E-07	1.18E-07	9.03E-04	2.85E-07	1.21E-07	9.02E-04	2.85E-07	1.21E-07
2495	497496.65, 3858722.63	8.98E-04	2.83E-07	1.20E-07	9.16E-04	2.89E-07	1.23E-07	9.15E-04	2.89E-07	1.23E-07
2496	497596.65, 3858722.63	9.24E-04	2.92E-07	1.24E-07	9.43E-04	2.98E-07	1.26E-07	9.42E-04	2.97E-07	1.26E-07
2497	497696.65, 3858722.63	9.37E-04	2.96E-07	1.26E-07	9.56E-04	3.02E-07	1.28E-07	9.55E-04	3.02E-07	1.28E-07
2498	497796.65, 3858722.63	9.44E-04	2.98E-07	1.26E-07	9.63E-04	3.04E-07	1.29E-07	9.62E-04	3.04E-07	1.29E-07
2499	497896.65, 3858722.63	9.55E-04	3.01E-07	1.28E-07	9.75E-04	3.08E-07	1.30E-07	9.73E-04	3.07E-07	1.30E-07
2500	497396.65, 3858822.63	9.28E-04	2.93E-07	1.24E-07	9.47E-04	2.99E-07	1.27E-07	9.46E-04	2.98E-07	1.27E-07
2501	497496.65, 3858822.63	9.38E-04	2.96E-07	1.26E-07	9.57E-04	3.02E-07	1.28E-07	9.56E-04	3.02E-07	1.28E-07
2502	497596.65, 3858822.63	9.66E-04	3.05E-07	1.29E-07	9.85E-04	3.11E-07	1.32E-07	9.84E-04	3.11E-07	1.32E-07
2503	497696.65, 3858822.63	9.78E-04	3.09E-07	1.31E-07	9.98E-04	3.15E-07	1.34E-07	9.97E-04	3.15E-07	1.33E-07
2504	497796.65, 3858822.63	9.81E-04	3.10E-07	1.31E-07	1.00E-03	3.16E-07	1.34E-07	1.00E-03	3.16E-07	1.34E-07
2505	497896.65, 3858822.63	1.01E-03	3.17E-07	1.35E-07	1.03E-03	3.24E-07	1.37E-07	1.02E-03	3.23E-07	1.37E-07
2506	497396.65, 3858922.63	9.74E-04	3.07E-07	1.30E-07	9.94E-04	3.14E-07	1.33E-07	9.93E-04	3.13E-07	1.33E-07
2507	497496.65, 3858922.63	9.99E-04	3.15E-07	1.34E-07	1.02E-03	3.22E-07	1.37E-07	1.02E-03	3.22E-07	1.36E-07
2508	497596.65, 3858922.63	9.94E-04	3.14E-07	1.33E-07	1.01E-03	3.20E-07	1.36E-07	1.01E-03	3.20E-07	1.36E-07
2509	497696.65, 3858922.63	1.02E-03	3.23E-07	1.37E-07	1.04E-03	3.29E-07	1.40E-07	1.04E-03	3.29E-07	1.40E-07
2510	497796.65, 3858922.63	1.04E-03	3.29E-07	1.39E-07	1.06E-03	3.35E-07	1.42E-07	1.06E-03	3.35E-07	1.42E-07
2511	497896.65, 3858922.63	1.07E-03	3.37E-07	1.43E-07	1.09E-03	3.44E-07	1.46E-07	1.09E-03	3.44E-07	1.46E-07
2512	497364.44, 3858201.52	6.93E-04	2.19E-07	9.28E-08	7.07E-04	2.23E-07	9.47E-08	7.06E-04	2.23E-07	9.46E-08
2513	497414.44, 3858201.52	6.98E-04	2.20E-07	9.35E-08	7.13E-04	2.25E-07	9.54E-08	7.12E-04	2.25E-07	9.53E-08
2514	497464.44, 3858201.52	7.05E-04	2.22E-07	9.43E-08	7.19E-04	2.27E-07	9.63E-08	7.18E-04	2.27E-07	9.62E-08
2515	497514.44, 3858201.52	7.09E-04	2.24E-07	9.50E-08	7.24E-04	2.28E-07	9.69E-08	7.23E-04	2.28E-07	9.68E-08
2516	497564.44, 3858201.52	7.08E-04	2.23E-07	9.48E-08	7.22E-04	2.28E-07	9.67E-08	7.21E-04	2.28E-07	9.66E-08

2517	497614.44, 3858201.52	7.10E-04	2.24E-07	9.50E-08	7.24E-04	2.29E-07	9.70E-08	7.23E-04	2.28E-07	9.68E-08
2518	497364.44, 3858251.52	7.15E-04	2.26E-07	9.57E-08	7.29E-04	2.30E-07	9.76E-08	7.28E-04	2.30E-07	9.75E-08
2519	497414.44, 3858251.52	7.24E-04	2.29E-07	9.70E-08	7.39E-04	2.33E-07	9.89E-08	7.38E-04	2.33E-07	9.88E-08
2520	497464.44, 3858251.52	7.20E-04	2.27E-07	9.64E-08	7.34E-04	2.32E-07	9.83E-08	7.33E-04	2.31E-07	9.82E-08
2521	497514.44, 3858251.52	7.14E-04	2.25E-07	9.56E-08	7.29E-04	2.30E-07	9.76E-08	7.28E-04	2.30E-07	9.74E-08
2522	497564.44, 3858251.52	7.13E-04	2.25E-07	9.55E-08	7.27E-04	2.30E-07	9.74E-08	7.26E-04	2.29E-07	9.73E-08
2523	497614.44, 3858251.52	7.12E-04	2.25E-07	9.53E-08	7.26E-04	2.29E-07	9.72E-08	7.25E-04	2.29E-07	9.71E-08
2524	497364.44, 3858301.52	7.28E-04	2.30E-07	9.75E-08	7.43E-04	2.34E-07	9.95E-08	7.42E-04	2.34E-07	9.94E-08
2525	497414.44, 3858301.52	7.35E-04	2.32E-07	9.84E-08	7.50E-04	2.37E-07	1.00E-07	7.49E-04	2.36E-07	1.00E-07
2526	497464.44, 3858301.52	7.28E-04	2.30E-07	9.75E-08	7.43E-04	2.35E-07	9.95E-08	7.42E-04	2.34E-07	9.94E-08
2527	497514.44, 3858301.52	7.25E-04	2.29E-07	9.70E-08	7.39E-04	2.33E-07	9.90E-08	7.39E-04	2.33E-07	9.89E-08
2528	497564.44, 3858301.52	7.18E-04	2.27E-07	9.62E-08	7.33E-04	2.31E-07	9.82E-08	7.32E-04	2.31E-07	9.80E-08
2529	497614.44, 3858301.52	7.17E-04	2.26E-07	9.60E-08	7.31E-04	2.31E-07	9.79E-08	7.30E-04	2.31E-07	9.78E-08
2530	497364.44, 3858351.52	7.45E-04	2.35E-07	9.98E-08	7.60E-04	2.40E-07	1.02E-07	7.59E-04	2.40E-07	1.02E-07
2531	497414.44, 3858351.52	7.41E-04	2.34E-07	9.92E-08	7.56E-04	2.39E-07	1.01E-07	7.55E-04	2.38E-07	1.01E-07
2532	497464.44, 3858351.52	7.40E-04	2.34E-07	9.91E-08	7.55E-04	2.38E-07	1.01E-07	7.54E-04	2.38E-07	1.01E-07
2533	497514.44, 3858351.52	7.37E-04	2.33E-07	9.86E-08	7.52E-04	2.37E-07	1.01E-07	7.51E-04	2.37E-07	1.01E-07
2534	497564.44, 3858351.52	7.28E-04	2.30E-07	9.75E-08	7.43E-04	2.35E-07	9.95E-08	7.42E-04	2.34E-07	9.94E-08
2535	497614.44, 3858351.52	7.27E-04	2.29E-07	9.73E-08	7.42E-04	2.34E-07	9.93E-08	7.41E-04	2.34E-07	9.92E-08
2536	497364.44, 3858401.52	7.49E-04	2.37E-07	1.00E-07	7.65E-04	2.41E-07	1.02E-07	7.64E-04	2.41E-07	1.02E-07
2537	497414.44, 3858401.52	7.51E-04	2.37E-07	1.01E-07	7.66E-04	2.42E-07	1.03E-07	7.65E-04	2.42E-07	1.02E-07
2538	497464.44, 3858401.52	7.46E-04	2.36E-07	9.99E-08	7.62E-04	2.40E-07	1.02E-07	7.61E-04	2.40E-07	1.02E-07
2539	497514.44, 3858401.52	7.44E-04	2.35E-07	9.96E-08	7.59E-04	2.40E-07	1.02E-07	7.58E-04	2.39E-07	1.02E-07
2540	497564.44, 3858401.52	7.51E-04	2.37E-07	1.01E-07	7.66E-04	2.42E-07	1.03E-07	7.65E-04	2.42E-07	1.02E-07
2541	497614.44, 3858401.52	7.55E-04	2.38E-07	1.01E-07	7.71E-04	2.43E-07	1.03E-07	7.70E-04	2.43E-07	1.03E-07
2542	493478.11, 3860497.94	5.42E-03	1.71E-06	7.26E-07	5.53E-03	1.75E-06	7.41E-07	5.52E-03	1.74E-06	7.40E-07
2543	493528.11, 3860497.94	5.28E-03	1.67E-06	7.07E-07	5.38E-03	1.70E-06	7.21E-07	5.38E-03	1.70E-06	7.20E-07
2544	493478.11, 3860547.94	5.23E-03	1.65E-06	7.00E-07	5.34E-03	1.68E-06	7.15E-07	5.33E-03	1.68E-06	7.14E-07
2545	493528.11, 3860547.94	5.10E-03	1.61E-06	6.82E-07	5.20E-03	1.64E-06	6.96E-07	5.19E-03	1.64E-06	6.95E-07
2546	493478.11, 3860597.94	5.02E-03	1.58E-06	6.72E-07	5.12E-03	1.62E-06	6.86E-07	5.12E-03	1.61E-06	6.85E-07
2547	493528.11, 3860597.94	4.89E-03	1.54E-06	6.55E-07	4.99E-03	1.58E-06	6.68E-07	4.99E-03	1.57E-06	6.68E-07
2548	493561.88, 3860524.64	5.09E-03	1.61E-06	6.82E-07	5.20E-03	1.64E-06	6.96E-07	5.19E-03	1.64E-06	6.95E-07
2549	493591.88, 3860524.64	5.01E-03	1.58E-06	6.71E-07	5.11E-03	1.61E-06	6.85E-07	5.11E-03	1.61E-06	6.84E-07
2550	493561.88, 3860554.64	4.98E-03	1.57E-06	6.67E-07	5.08E-03	1.60E-06	6.81E-07	5.08E-03	1.60E-06	6.80E-07
2551	493591.88, 3860554.64	4.91E-03	1.55E-06	6.57E-07	5.01E-03	1.58E-06	6.71E-07	5.00E-03	1.58E-06	6.70E-07
2552	492880.5, 3860293.11	9.01E-03	2.84E-06	1.21E-06	9.19E-03	2.90E-06	1.23E-06	9.18E-03	2.90E-06	1.23E-06
2553	492930.5, 3860293.11	8.62E-03	2.72E-06	1.15E-06	8.80E-03	2.78E-06	1.18E-06	8.79E-03	2.77E-06	1.18E-06
2554	492980.5, 3860293.11	8.25E-03	2.60E-06	1.10E-06	8.42E-03	2.66E-06	1.13E-06	8.41E-03	2.65E-06	1.13E-06
2555	493030.5, 3860293.11	7.75E-03	2.45E-06	1.04E-06	7.91E-03	2.50E-06	1.06E-06	7.90E-03	2.49E-06	1.06E-06
2556	493080.5, 3860293.11	7.18E-03	2.27E-06	9.62E-07	7.33E-03	2.31E-06	9.81E-07	7.32E-03	2.31E-06	9.80E-07
2557	493130.5, 3860293.11	7.16E-03	2.26E-06	9.59E-07	7.31E-03	2.31E-06	9.79E-07	7.30E-03	2.30E-06	9.78E-07
2558	493180.5, 3860293.11	7.06E-03	2.23E-06	9.45E-07	7.20E-03	2.27E-06	9.64E-07	7.19E-03	2.27E-06	9.63E-07
2559	493230.5, 3860293.11	6.85E-03	2.16E-06	9.17E-07	6.99E-03	2.21E-06	9.36E-07	6.98E-03	2.20E-06	9.35E-07
2560	493280.5, 3860293.11	6.56E-03	2.07E-06	8.78E-07	6.69E-03	2.11E-06	8.96E-07	6.69E-03	2.11E-06	8.95E-07
2561	493330.5, 3860293.11	6.32E-03	2.00E-06	8.47E-07	6.45E-03	2.04E-06	8.64E-07	6.45E-03	2.03E-06	8.63E-07
2562	493380.5, 3860293.11	6.12E-03	1.93E-06	8.20E-07	6.25E-03	1.97E-06	8.37E-07	6.24E-03	1.97E-06	8.36E-07
2563	492880.5, 3860343.11	8.95E-03	2.83E-06	1.20E-06	9.13E-03	2.88E-06	1.22E-06	9.12E-03	2.88E-06	1.22E-06
2564	492930.5, 3860343.11	8.58E-03	2.71E-06	1.15E-06	8.75E-03	2.76E-06	1.17E-06	8.74E-03	2.76E-06	1.17E-06
2565	492980.5, 3860343.11	8.08E-03	2.55E-06	1.08E-06	8.24E-03	2.60E-06	1.10E-06	8.23E-03	2.60E-06	1.10E-06
2566	493030.5, 3860343.11	7.77E-03	2.45E-06	1.04E-06	7.93E-03	2.50E-06	1.06E-06	7.92E-03	2.50E-06	1.06E-06
2567	493080.5, 3860343.11	7.29E-03	2.30E-06	9.76E-07	7.44E-03	2.35E-06	9.96E-07	7.43E-03	2.35E-06	9.95E-07
2568	493130.5, 3860343.11	7.11E-03	2.24E-06	9.52E-07	7.25E-03	2.29E-06	9.72E-07	7.25E-03	2.29E-06	9.70E-07
2569	493180.5, 3860343.11	7.00E-03	2.21E-06	9.37E-07	7.14E-03	2.25E-06	9.56E-07	7.13E-03	2.25E-06	9.55E-07
2570	493230.5, 3860343.11	6.78E-03	2.14E-06	9.08E-07	6.92E-03	2.18E-06	9.27E-07	6.91E-03	2.18E-06	9.26E-07
2571	493280.5, 3860343.11	6.51E-03	2.05E-06	8.71E-07	6.64E-03	2.10E-06	8.89E-07	6.63E-03	2.09E-06	8.88E-07
2572	493330.5, 3860343.11	6.26E-03	1.98E-06	8.39E-07	6.39E-03	2.02E-06	8.56E-07	6.38E-03	2.02E-06	8.55E-07
2573	493380.5, 3860343.11	6.07E-03	1.92E-06	8.13E-07	6.20E-03	1.96E-06	8.30E-07	6.19E-03	1.95E-06	8.29E-07
2574	492880.5, 3860393.11	8.78E-03	2.77E-06	1.18E-06	8.96E-03	2.83E-06	1.20E-06	8.95E-03	2.83E-06	1.20E-06
2575	492930.5, 3860393.11	8.41E-03	2.66E-06	1.13E-06	8.59E-03	2.71E-06	1.15E-06	8.58E-03	2.71E-06	1.15E-06
2576	492980.5, 3860393.11	8.03E-03	2.53E-06	1.08E-06	8.19E-03	2.59E-06	1.10E-06	8.18E-03	2.58E-06	1.10E-06
2577	493030.5, 3860393.11	7.67E-03	2.42E-06	1.03E-06	7.83E-03	2.47E-06	1.05E-06	7.82E-03	2.47E-06	1.05E-06
2578	493080.5, 3860393.11	7.23E-03	2.28E-06	9.69E-07	7.38E-03	2.33E-06	9.89E-07	7.37E-03	2.33E-06	9.87E-07
2579	493130.5, 3860393.11	7.06E-03	2.23E-06	9.45E-07	7.20E-03	2.27E-06	9.64E-07	7.19E-03	2.27E-06	9.63E-07
2580	493180.5, 3860393.11	6.91E-03	2.18E-06	9.25E-07	7.05E-03	2.22E-06	9.44E-07	7.04E-03	2.22E-06	9.43E-07
2581	493230.5, 3860393.11	6.67E-03	2.11E-06	8.94E-07	6.81E-03	2.15E-06	9.12E-07	6.80E-03	2.15E-06	9.11E-07
2582	493280.5, 3860393.11	6.40E-03	2.02E-06	8.57E-07	6.53E-03	2.06E-06	8.75E-07	6.52E-03	2.06E-06	8.74E-07
2583	493330.5, 3860393.11	6.17E-03	1.95E-06	8.26E-07	6.30E-03	1.99E-06	8.43E-07	6.29E-03	1.98E-06	8.42E-07
2584	493380.5, 3860393.11	5.98E-03	1.89E-06	8.00E-07	6.10E-03	1.93E-06	8.17E-07	6.09E-03	1.92E-06	8.16E-07
2585	492880.5, 3860443.11	8.50E-03	2.68E-06	1.14E-06	8.67E-03	2.74E-06	1.16E-06	8.66E-03	2.73E-06	1.16E-06
2586	492930.5, 3860443.11	8.15E-03	2.57E-06	1.09E-06	8.32E-03	2.63E-06	1.11E-06	8.31E-03	2.62E-06	1.11E-06

2587	492980.5, 3860443.11	7.83E-03	2.47E-06	1.05E-06	7.99E-03	2.52E-06	1.07E-06	7.98E-03	2.52E-06	1.07E-06
2588	493030.5, 3860443.11	7.51E-03	2.37E-06	1.01E-06	7.66E-03	2.42E-06	1.03E-06	7.65E-03	2.42E-06	1.02E-06
2589	493080.5, 3860443.11	7.23E-03	2.28E-06	9.68E-07	7.37E-03	2.33E-06	9.87E-07	7.36E-03	2.32E-06	9.86E-07
2590	493130.5, 3860443.11	6.96E-03	2.20E-06	9.32E-07	7.10E-03	2.24E-06	9.51E-07	7.10E-03	2.24E-06	9.50E-07
2591	493180.5, 3860443.11	6.76E-03	2.13E-06	9.05E-07	6.90E-03	2.18E-06	9.24E-07	6.89E-03	2.17E-06	9.23E-07
2592	493230.5, 3860443.11	6.50E-03	2.05E-06	8.70E-07	6.63E-03	2.09E-06	8.88E-07	6.62E-03	2.09E-06	8.87E-07
2593	493280.5, 3860443.11	6.27E-03	1.98E-06	8.39E-07	6.40E-03	2.02E-06	8.57E-07	6.39E-03	2.02E-06	8.56E-07
2594	493330.5, 3860443.11	6.03E-03	1.90E-06	8.07E-07	6.15E-03	1.94E-06	8.23E-07	6.14E-03	1.94E-06	8.22E-07
2595	493380.5, 3860443.11	5.86E-03	1.85E-06	7.85E-07	5.98E-03	1.89E-06	8.01E-07	5.97E-03	1.89E-06	8.00E-07
2596	493180.5, 3860493.11	6.52E-03	2.06E-06	8.73E-07	6.65E-03	2.10E-06	8.91E-07	6.65E-03	2.10E-06	8.90E-07
2597	493230.5, 3860493.11	6.30E-03	1.99E-06	8.43E-07	6.43E-03	2.03E-06	8.61E-07	6.42E-03	2.03E-06	8.60E-07
2598	493280.5, 3860493.11	6.08E-03	1.92E-06	8.14E-07	6.21E-03	1.96E-06	8.31E-07	6.20E-03	1.96E-06	8.30E-07
2599	493330.5, 3860493.11	5.88E-03	1.86E-06	7.88E-07	6.00E-03	1.90E-06	8.04E-07	6.00E-03	1.89E-06	8.03E-07
2600	493380.5, 3860493.11	5.72E-03	1.81E-06	7.66E-07	5.84E-03	1.84E-06	7.82E-07	5.83E-03	1.84E-06	7.81E-07
2601	493330.5, 3860543.11	5.68E-03	1.79E-06	7.61E-07	5.80E-03	1.83E-06	7.76E-07	5.79E-03	1.83E-06	7.75E-07
2602	493380.5, 3860543.11	5.53E-03	1.74E-06	7.40E-07	5.64E-03	1.78E-06	7.55E-07	5.63E-03	1.78E-06	7.54E-07
2603	494135.94, 3860876.85	3.04E-03	9.58E-07	4.07E-07	3.10E-03	9.78E-07	4.15E-07	3.09E-03	9.77E-07	4.14E-07
2604	494185.94, 3860876.85	2.99E-03	9.44E-07	4.01E-07	3.05E-03	9.63E-07	4.09E-07	3.05E-03	9.62E-07	4.08E-07
2605	494135.94, 3860926.85	2.90E-03	9.16E-07	3.89E-07	2.96E-03	9.35E-07	3.97E-07	2.96E-03	9.34E-07	3.96E-07
2606	494185.94, 3860926.85	2.86E-03	9.04E-07	3.84E-07	2.92E-03	9.23E-07	3.91E-07	2.92E-03	9.21E-07	3.91E-07
2607	494135.94, 3860976.85	2.77E-03	8.75E-07	3.71E-07	2.83E-03	8.93E-07	3.79E-07	2.83E-03	8.92E-07	3.79E-07
2608	494185.94, 3860976.85	2.74E-03	8.65E-07	3.67E-07	2.80E-03	8.82E-07	3.74E-07	2.79E-03	8.81E-07	3.74E-07
2609	494135.94, 3861026.85	2.64E-03	8.35E-07	3.54E-07	2.70E-03	8.52E-07	3.61E-07	2.70E-03	8.51E-07	3.61E-07
2610	494185.94, 3861026.85	2.62E-03	8.26E-07	3.50E-07	2.67E-03	8.42E-07	3.57E-07	2.67E-03	8.41E-07	3.57E-07
2611	494135.94, 3861076.85	2.52E-03	7.96E-07	3.38E-07	2.57E-03	8.12E-07	3.44E-07	2.57E-03	8.11E-07	3.44E-07
2612	494185.94, 3861076.85	2.49E-03	7.87E-07	3.34E-07	2.55E-03	8.04E-07	3.41E-07	2.54E-03	8.03E-07	3.41E-07
2613	490360.04, 3858710.04	4.73E-03	1.49E-06	6.34E-07	4.83E-03	1.52E-06	6.47E-07	4.82E-03	1.52E-06	6.46E-07
2614	490410.04, 3858710.04	4.62E-03	1.46E-06	6.18E-07	4.71E-03	1.49E-06	6.31E-07	4.71E-03	1.49E-06	6.30E-07
2615	490460.04, 3858710.04	4.45E-03	1.41E-06	5.96E-07	4.55E-03	1.43E-06	6.09E-07	4.54E-03	1.43E-06	6.08E-07
2616	490510.04, 3858710.04	4.35E-03	1.37E-06	5.82E-07	4.43E-03	1.40E-06	5.94E-07	4.43E-03	1.40E-06	5.93E-07
2617	490560.04, 3858710.04	4.26E-03	1.34E-06	5.70E-07	4.34E-03	1.37E-06	5.82E-07	4.34E-03	1.37E-06	5.81E-07
2618	490610.04, 3858710.04	4.16E-03	1.31E-06	5.57E-07	4.25E-03	1.34E-06	5.69E-07	4.24E-03	1.34E-06	5.68E-07
2619	490660.04, 3858710.04	4.12E-03	1.30E-06	5.51E-07	4.20E-03	1.33E-06	5.62E-07	4.19E-03	1.32E-06	5.62E-07
2620	490710.04, 3858710.04	3.99E-03	1.26E-06	5.35E-07	4.08E-03	1.29E-06	5.46E-07	4.07E-03	1.29E-06	5.45E-07
2621	490760.04, 3858710.04	3.89E-03	1.23E-06	5.22E-07	3.97E-03	1.25E-06	5.32E-07	3.97E-03	1.25E-06	5.32E-07
2622	490810.04, 3858710.04	3.80E-03	1.20E-06	5.08E-07	3.87E-03	1.22E-06	5.19E-07	3.87E-03	1.22E-06	5.18E-07
2623	490860.04, 3858710.04	3.67E-03	1.16E-06	4.92E-07	3.75E-03	1.18E-06	5.02E-07	3.74E-03	1.18E-06	5.01E-07
2624	490360.04, 3858760.04	5.33E-03	1.68E-06	7.13E-07	5.44E-03	1.72E-06	7.28E-07	5.43E-03	1.71E-06	7.27E-07
2625	490410.04, 3858760.04	5.17E-03	1.63E-06	6.92E-07	5.27E-03	1.66E-06	7.06E-07	5.27E-03	1.66E-06	7.05E-07
2626	490460.04, 3858760.04	4.99E-03	1.58E-06	6.69E-07	5.09E-03	1.61E-06	6.82E-07	5.09E-03	1.61E-06	6.81E-07
2627	490510.04, 3858760.04	4.82E-03	1.52E-06	6.45E-07	4.91E-03	1.55E-06	6.58E-07	4.91E-03	1.55E-06	6.57E-07
2628	490560.04, 3858760.04	4.68E-03	1.48E-06	6.27E-07	4.78E-03	1.51E-06	6.40E-07	4.77E-03	1.51E-06	6.39E-07
2629	490610.04, 3858760.04	4.54E-03	1.43E-06	6.08E-07	4.63E-03	1.46E-06	6.20E-07	4.63E-03	1.46E-06	6.20E-07
2630	490660.04, 3858760.04	4.42E-03	1.39E-06	5.92E-07	4.51E-03	1.42E-06	6.04E-07	4.50E-03	1.42E-06	6.03E-07
2631	490710.04, 3858760.04	4.30E-03	1.36E-06	5.76E-07	4.39E-03	1.38E-06	5.87E-07	4.38E-03	1.38E-06	5.87E-07
2632	490760.04, 3858760.04	4.16E-03	1.31E-06	5.57E-07	4.24E-03	1.34E-06	5.68E-07	4.24E-03	1.34E-06	5.68E-07
2633	490810.04, 3858760.04	4.03E-03	1.27E-06	5.40E-07	4.11E-03	1.30E-06	5.51E-07	4.11E-03	1.30E-06	5.50E-07
2634	490860.04, 3858760.04	3.93E-03	1.24E-06	5.26E-07	4.01E-03	1.26E-06	5.37E-07	4.00E-03	1.26E-06	5.36E-07
2635	490360.04, 3858810.04	5.95E-03	1.88E-06	7.96E-07	6.07E-03	1.91E-06	8.12E-07	6.06E-03	1.91E-06	8.11E-07
2636	490410.04, 3858810.04	5.73E-03	1.81E-06	7.68E-07	5.85E-03	1.85E-06	7.83E-07	5.84E-03	1.84E-06	7.82E-07
2637	490460.04, 3858810.04	5.52E-03	1.74E-06	7.39E-07	5.63E-03	1.78E-06	7.54E-07	5.62E-03	1.78E-06	7.53E-07
2638	490510.04, 3858810.04	5.36E-03	1.69E-06	7.17E-07	5.47E-03	1.72E-06	7.32E-07	5.46E-03	1.72E-06	7.31E-07
2639	490560.04, 3858810.04	5.19E-03	1.64E-06	6.95E-07	5.29E-03	1.67E-06	7.09E-07	5.29E-03	1.67E-06	7.08E-07
2640	490610.04, 3858810.04	4.98E-03	1.57E-06	6.66E-07	5.08E-03	1.60E-06	6.80E-07	5.07E-03	1.60E-06	6.79E-07
2641	490660.04, 3858810.04	4.81E-03	1.52E-06	6.44E-07	4.91E-03	1.55E-06	6.58E-07	4.90E-03	1.55E-06	6.57E-07
2642	490710.04, 3858810.04	4.64E-03	1.46E-06	6.21E-07	4.73E-03	1.49E-06	6.34E-07	4.73E-03	1.49E-06	6.33E-07
2643	490760.04, 3858810.04	4.43E-03	1.40E-06	5.93E-07	4.52E-03	1.43E-06	6.05E-07	4.52E-03	1.43E-06	6.05E-07
2644	490810.04, 3858810.04	4.34E-03	1.37E-06	5.81E-07	4.43E-03	1.40E-06	5.93E-07	4.43E-03	1.40E-06	5.93E-07
2645	490860.04, 3858810.04	4.19E-03	1.32E-06	5.61E-07	4.27E-03	1.35E-06	5.72E-07	4.27E-03	1.35E-06	5.71E-07
2646	490360.04, 3858860.04	6.56E-03	2.07E-06	8.79E-07	6.70E-03	2.11E-06	8.97E-07	6.69E-03	2.11E-06	8.96E-07
2647	490410.04, 3858860.04	6.39E-03	2.02E-06	8.55E-07	6.52E-03	2.06E-06	8.73E-07	6.51E-03	2.05E-06	8.72E-07
2648	490460.04, 3858860.04	6.10E-03	1.92E-06	8.17E-07	6.22E-03	1.96E-06	8.33E-07	6.22E-03	1.96E-06	8.32E-07
2649	490510.04, 3858860.04	5.95E-03	1.88E-06	7.96E-07	6.07E-03	1.92E-06	8.13E-07	6.06E-03	1.91E-06	8.12E-07
2650	490560.04, 3858860.04	5.70E-03	1.80E-06	7.64E-07	5.82E-03	1.84E-06	7.80E-07	5.81E-03	1.84E-06	7.79E-07
2651	490610.04, 3858860.04	5.41E-03	1.71E-06	7.24E-07	5.52E-03	1.74E-06	7.39E-07	5.51E-03	1.74E-06	7.38E-07
2652	490660.04, 3858860.04	5.21E-03	1.65E-06	6.98E-07	5.32E-03	1.68E-06	7.12E-07	5.31E-03	1.68E-06	7.12E-07
2653	490710.04, 3858860.04	5.07E-03	1.60E-06	6.79E-07	5.17E-03	1.63E-06	6.93E-07	5.17E-03	1.63E-06	6.92E-07
2654	490760.04, 3858860.04	4.83E-03	1.53E-06	6.47E-07	4.93E-03	1.56E-06	6.60E-07	4.93E-03	1.55E-06	6.60E-07
2655	490810.04, 3858860.04	4.63E-03	1.46E-06	6.19E-07	4.72E-03	1.49E-06	6.32E-07	4.71E-03	1.49E-06	6.31E-07
2656	490860.04, 3858860.04	4.42E-03	1.40E-06	5.93E-07	4.52E-03	1.43E-06	6.05E-07	4.51E-03	1.42E-06	6.04E-07

2657	490360.04, 3858910.04	7.42E-03	2.34E-06	9.94E-07	7.57E-03	2.39E-06	1.01E-06	7.56E-03	2.39E-06	1.01E-06
2658	490410.04, 3858910.04	7.12E-03	2.25E-06	9.54E-07	7.27E-03	2.29E-06	9.73E-07	7.26E-03	2.29E-06	9.72E-07
2659	490460.04, 3858910.04	6.82E-03	2.15E-06	9.13E-07	6.96E-03	2.20E-06	9.32E-07	6.95E-03	2.19E-06	9.31E-07
2660	490510.04, 3858910.04	6.51E-03	2.05E-06	8.72E-07	6.64E-03	2.10E-06	8.89E-07	6.63E-03	2.09E-06	8.88E-07
2661	490560.04, 3858910.04	6.19E-03	1.95E-06	8.29E-07	6.32E-03	1.99E-06	8.46E-07	6.31E-03	1.99E-06	8.45E-07
2662	490610.04, 3858910.04	5.89E-03	1.86E-06	7.89E-07	6.01E-03	1.90E-06	8.05E-07	6.00E-03	1.89E-06	8.04E-07
2663	490660.04, 3858910.04	5.65E-03	1.78E-06	7.57E-07	5.77E-03	1.82E-06	7.73E-07	5.76E-03	1.82E-06	7.72E-07
2664	490710.04, 3858910.04	5.40E-03	1.70E-06	7.23E-07	5.51E-03	1.74E-06	7.38E-07	5.50E-03	1.74E-06	7.37E-07
2665	490760.04, 3858910.04	5.12E-03	1.61E-06	6.85E-07	5.22E-03	1.65E-06	6.99E-07	5.21E-03	1.65E-06	6.98E-07
2666	490810.04, 3858910.04	4.92E-03	1.55E-06	6.59E-07	5.02E-03	1.59E-06	6.73E-07	5.02E-03	1.58E-06	6.72E-07
2667	490860.04, 3858910.04	4.67E-03	1.48E-06	6.26E-07	4.77E-03	1.51E-06	6.39E-07	4.76E-03	1.50E-06	6.38E-07
2668	490360.04, 3858960.04	8.23E-03	2.60E-06	1.10E-06	8.40E-03	2.65E-06	1.12E-06	8.39E-03	2.65E-06	1.12E-06
2669	490410.04, 3858960.04	7.82E-03	2.47E-06	1.05E-06	7.98E-03	2.52E-06	1.07E-06	7.97E-03	2.52E-06	1.07E-06
2670	490460.04, 3858960.04	7.41E-03	2.34E-06	9.92E-07	7.56E-03	2.39E-06	1.01E-06	7.55E-03	2.38E-06	1.01E-06
2671	490510.04, 3858960.04	7.05E-03	2.23E-06	9.45E-07	7.20E-03	2.27E-06	9.64E-07	7.19E-03	2.27E-06	9.63E-07
2672	490560.04, 3858960.04	6.72E-03	2.12E-06	9.00E-07	6.86E-03	2.16E-06	9.18E-07	6.85E-03	2.16E-06	9.17E-07
2673	490610.04, 3858960.04	6.32E-03	2.00E-06	8.47E-07	6.45E-03	2.04E-06	8.64E-07	6.45E-03	2.03E-06	8.63E-07
2674	490660.04, 3858960.04	6.12E-03	1.93E-06	8.20E-07	6.25E-03	1.97E-06	8.37E-07	6.24E-03	1.97E-06	8.36E-07
2675	490710.04, 3858960.04	5.78E-03	1.82E-06	7.73E-07	5.89E-03	1.86E-06	7.89E-07	5.89E-03	1.86E-06	7.88E-07
2676	490760.04, 3858960.04	5.49E-03	1.73E-06	7.35E-07	5.60E-03	1.77E-06	7.50E-07	5.59E-03	1.77E-06	7.49E-07
2677	490810.04, 3858960.04	5.22E-03	1.65E-06	6.99E-07	5.32E-03	1.68E-06	7.13E-07	5.32E-03	1.68E-06	7.12E-07
2678	490860.04, 3858960.04	4.93E-03	1.55E-06	6.60E-07	5.03E-03	1.59E-06	6.73E-07	5.02E-03	1.58E-06	6.72E-07
2679	490360.04, 3859010.04	9.10E-03	2.87E-06	1.22E-06	9.29E-03	2.93E-06	1.24E-06	9.28E-03	2.93E-06	1.24E-06
2680	490410.04, 3859010.04	8.58E-03	2.71E-06	1.15E-06	8.75E-03	2.76E-06	1.17E-06	8.74E-03	2.76E-06	1.17E-06
2681	490460.04, 3859010.04	8.01E-03	2.53E-06	1.07E-06	8.17E-03	2.58E-06	1.09E-06	8.16E-03	2.58E-06	1.09E-06
2682	490510.04, 3859010.04	7.50E-03	2.37E-06	1.00E-06	7.65E-03	2.41E-06	1.02E-06	7.64E-03	2.41E-06	1.02E-06
2683	490560.04, 3859010.04	7.20E-03	2.27E-06	9.64E-07	7.35E-03	2.32E-06	9.84E-07	7.34E-03	2.32E-06	9.83E-07
2684	490610.04, 3859010.04	6.76E-03	2.13E-06	9.05E-07	6.90E-03	2.18E-06	9.24E-07	6.89E-03	2.17E-06	9.23E-07
2685	490660.04, 3859010.04	6.54E-03	2.07E-06	8.76E-07	6.68E-03	2.11E-06	8.94E-07	6.67E-03	2.11E-06	8.93E-07
2686	490710.04, 3859010.04	6.14E-03	1.94E-06	8.22E-07	6.27E-03	1.98E-06	8.39E-07	6.26E-03	1.98E-06	8.38E-07
2687	490760.04, 3859010.04	5.80E-03	1.83E-06	7.77E-07	5.92E-03	1.87E-06	7.93E-07	5.91E-03	1.87E-06	7.92E-07
2688	490810.04, 3859010.04	5.49E-03	1.73E-06	7.35E-07	5.60E-03	1.77E-06	7.50E-07	5.59E-03	1.76E-06	7.49E-07
2689	490860.04, 3859010.04	5.22E-03	1.65E-06	6.99E-07	5.32E-03	1.68E-06	7.13E-07	5.32E-03	1.68E-06	7.12E-07
2690	490360.04, 3859060.04	1.00E-02	3.16E-06	1.34E-06	1.02E-02	3.22E-06	1.37E-06	1.02E-02	3.22E-06	1.36E-06
2691	490410.04, 3859060.04	9.23E-03	2.91E-06	1.24E-06	9.41E-03	2.97E-06	1.26E-06	9.40E-03	2.97E-06	1.26E-06
2692	490460.04, 3859060.04	8.63E-03	2.72E-06	1.15E-06	8.80E-03	2.78E-06	1.18E-06	8.79E-03	2.77E-06	1.18E-06
2693	490510.04, 3859060.04	8.12E-03	2.56E-06	1.09E-06	8.29E-03	2.62E-06	1.11E-06	8.28E-03	2.61E-06	1.11E-06
2694	490560.04, 3859060.04	7.59E-03	2.39E-06	1.02E-06	7.74E-03	2.44E-06	1.04E-06	7.73E-03	2.44E-06	1.04E-06
2695	490610.04, 3859060.04	7.23E-03	2.28E-06	9.68E-07	7.38E-03	2.33E-06	9.88E-07	7.37E-03	2.33E-06	9.87E-07
2696	490660.04, 3859060.04	6.91E-03	2.18E-06	9.25E-07	7.05E-03	2.23E-06	9.44E-07	7.04E-03	2.22E-06	9.43E-07
2697	490710.04, 3859060.04	6.46E-03	2.04E-06	8.66E-07	6.60E-03	2.08E-06	8.83E-07	6.59E-03	2.08E-06	8.82E-07
2698	490760.04, 3859060.04	6.09E-03	1.92E-06	8.16E-07	6.22E-03	1.96E-06	8.33E-07	6.21E-03	1.96E-06	8.32E-07
2699	490810.04, 3859060.04	5.74E-03	1.81E-06	7.69E-07	5.86E-03	1.85E-06	7.85E-07	5.85E-03	1.85E-06	7.84E-07
2700	490860.04, 3859060.04	5.45E-03	1.72E-06	7.30E-07	5.56E-03	1.76E-06	7.45E-07	5.55E-03	1.75E-06	7.44E-07
2701	490360.04, 3859110.04	1.11E-02	3.50E-06	1.49E-06	1.13E-02	3.57E-06	1.52E-06	1.13E-02	3.57E-06	1.51E-06
2702	490410.04, 3859110.04	1.02E-02	3.21E-06	1.36E-06	1.04E-02	3.28E-06	1.39E-06	1.04E-02	3.27E-06	1.39E-06
2703	490460.04, 3859110.04	9.55E-03	3.01E-06	1.28E-06	9.74E-03	3.08E-06	1.30E-06	9.73E-03	3.07E-06	1.30E-06
2704	490510.04, 3859110.04	8.66E-03	2.73E-06	1.16E-06	8.84E-03	2.79E-06	1.18E-06	8.83E-03	2.79E-06	1.18E-06
2705	490560.04, 3859110.04	8.12E-03	2.56E-06	1.09E-06	8.29E-03	2.61E-06	1.11E-06	8.28E-03	2.61E-06	1.11E-06
2706	490610.04, 3859110.04	7.58E-03	2.39E-06	1.02E-06	7.74E-03	2.44E-06	1.04E-06	7.73E-03	2.44E-06	1.04E-06
2707	490660.04, 3859110.04	7.06E-03	2.23E-06	9.45E-07	7.20E-03	2.27E-06	9.64E-07	7.19E-03	2.27E-06	9.63E-07
2708	490710.04, 3859110.04	6.73E-03	2.12E-06	9.01E-07	6.87E-03	2.17E-06	9.19E-07	6.86E-03	2.16E-06	9.18E-07
2709	490760.04, 3859110.04	6.36E-03	2.01E-06	8.51E-07	6.49E-03	2.05E-06	8.69E-07	6.48E-03	2.05E-06	8.68E-07
2710	490810.04, 3859110.04	5.97E-03	1.88E-06	7.99E-07	6.09E-03	1.92E-06	8.15E-07	6.08E-03	1.92E-06	8.14E-07
2711	490860.04, 3859110.04	5.62E-03	1.77E-06	7.52E-07	5.73E-03	1.81E-06	7.68E-07	5.73E-03	1.81E-06	7.67E-07
2712	490360.04, 3859160.04	1.24E-02	3.91E-06	1.66E-06	1.26E-02	3.99E-06	1.69E-06	1.26E-02	3.99E-06	1.69E-06
2713	490410.04, 3859160.04	1.14E-02	3.58E-06	1.52E-06	1.16E-02	3.66E-06	1.55E-06	1.16E-02	3.65E-06	1.55E-06
2714	490460.04, 3859160.04	1.05E-02	3.31E-06	1.40E-06	1.07E-02	3.37E-06	1.43E-06	1.07E-02	3.37E-06	1.43E-06
2715	490510.04, 3859160.04	9.66E-03	3.05E-06	1.29E-06	9.86E-03	3.11E-06	1.32E-06	9.85E-03	3.11E-06	1.32E-06
2716	490560.04, 3859160.04	8.82E-03	2.78E-06	1.18E-06	9.00E-03	2.84E-06	1.21E-06	8.99E-03	2.84E-06	1.20E-06
2717	490610.04, 3859160.04	8.27E-03	2.61E-06	1.11E-06	8.44E-03	2.66E-06	1.13E-06	8.43E-03	2.66E-06	1.13E-06
2718	490660.04, 3859160.04	7.41E-03	2.34E-06	9.92E-07	7.56E-03	2.39E-06	1.01E-06	7.55E-03	2.38E-06	1.01E-06
2719	490710.04, 3859160.04	7.03E-03	2.22E-06	9.41E-07	7.17E-03	2.26E-06	9.61E-07	7.17E-03	2.26E-06	9.60E-07
2720	490760.04, 3859160.04	6.50E-03	2.05E-06	8.70E-07	6.63E-03	2.09E-06	8.88E-07	6.62E-03	2.09E-06	8.87E-07
2721	490810.04, 3859160.04	6.19E-03	1.95E-06	8.28E-07	6.31E-03	1.99E-06	8.45E-07	6.30E-03	1.99E-06	8.44E-07
2722	490860.04, 3859160.04	5.88E-03	1.85E-06	7.87E-07	6.00E-03	1.89E-06	8.03E-07	5.99E-03	1.89E-06	8.02E-07
2723	490360.04, 3859210.04	1.39E-02	4.37E-06	1.86E-06	1.41E-02	4.46E-06	1.89E-06	1.41E-02	4.46E-06	1.89E-06
2724	490410.04, 3859210.04	1.30E-02	4.10E-06	1.74E-06	1.32E-02	4.18E-06	1.77E-06	1.32E-02	4.18E-06	1.77E-06
2725	490460.04, 3859210.04	1.15E-02	3.64E-06	1.54E-06	1.18E-02	3.71E-06	1.58E-06	1.18E-02	3.71E-06	1.57E-06
2726	490510.04, 3859210.04	1.05E-02	3.33E-06	1.41E-06	1.08E-02	3.40E-06	1.44E-06	1.07E-02	3.39E-06	1.44E-06

2727	490560.04, 3859210.04	9.86E-03	3.11E-06	1.32E-06	1.01E-02	3.17E-06	1.35E-06	1.00E-02	3.17E-06	1.35E-06
2728	490610.04, 3859210.04	9.07E-03	2.86E-06	1.21E-06	9.26E-03	2.92E-06	1.24E-06	9.25E-03	2.92E-06	1.24E-06
2729	490660.04, 3859210.04	8.14E-03	2.57E-06	1.09E-06	8.30E-03	2.62E-06	1.11E-06	8.29E-03	2.62E-06	1.11E-06
2730	490710.04, 3859210.04	7.57E-03	2.39E-06	1.01E-06	7.72E-03	2.44E-06	1.03E-06	7.72E-03	2.44E-06	1.03E-06
2731	490760.04, 3859210.04	7.01E-03	2.21E-06	9.39E-07	7.16E-03	2.26E-06	9.58E-07	7.15E-03	2.26E-06	9.57E-07
2732	490810.04, 3859210.04	6.81E-03	2.15E-06	9.12E-07	6.95E-03	2.19E-06	9.30E-07	6.94E-03	2.19E-06	9.29E-07
2733	490860.04, 3859210.04	6.60E-03	2.08E-06	8.84E-07	6.74E-03	2.13E-06	9.02E-07	6.73E-03	2.12E-06	9.01E-07
2734	490360.04, 3859260.04	1.54E-02	4.85E-06	2.06E-06	1.57E-02	4.94E-06	2.10E-06	1.56E-02	4.94E-06	2.10E-06
2735	490410.04, 3859260.04	1.42E-02	4.48E-06	1.90E-06	1.45E-02	4.57E-06	1.94E-06	1.45E-02	4.57E-06	1.94E-06
2736	490460.04, 3859260.04	1.33E-02	4.19E-06	1.78E-06	1.35E-02	4.27E-06	1.81E-06	1.35E-02	4.27E-06	1.81E-06
2737	490510.04, 3859260.04	1.24E-02	3.90E-06	1.65E-06	1.26E-02	3.98E-06	1.69E-06	1.26E-02	3.97E-06	1.69E-06
2738	490560.04, 3859260.04	1.13E-02	3.57E-06	1.52E-06	1.16E-02	3.65E-06	1.55E-06	1.15E-02	3.64E-06	1.55E-06
2739	490610.04, 3859260.04	1.01E-02	3.19E-06	1.36E-06	1.03E-02	3.26E-06	1.38E-06	1.03E-02	3.26E-06	1.38E-06
2740	490660.04, 3859260.04	9.70E-03	3.06E-06	1.30E-06	9.90E-03	3.13E-06	1.33E-06	9.89E-03	3.12E-06	1.32E-06
2741	490710.04, 3859260.04	9.01E-03	2.85E-06	1.21E-06	9.20E-03	2.90E-06	1.23E-06	9.19E-03	2.90E-06	1.23E-06
2742	490760.04, 3859260.04	8.22E-03	2.60E-06	1.10E-06	8.39E-03	2.65E-06	1.12E-06	8.38E-03	2.65E-06	1.12E-06
2743	490810.04, 3859260.04	7.89E-03	2.49E-06	1.06E-06	8.05E-03	2.54E-06	1.08E-06	8.04E-03	2.54E-06	1.08E-06
2744	490860.04, 3859260.04	7.57E-03	2.39E-06	1.01E-06	7.72E-03	2.44E-06	1.03E-06	7.71E-03	2.43E-06	1.03E-06
2745	490360.04, 3859310.04	1.76E-02	5.56E-06	2.36E-06	1.80E-02	5.67E-06	2.41E-06	1.80E-02	5.67E-06	2.40E-06
2746	490410.04, 3859310.04	1.62E-02	5.11E-06	2.17E-06	1.65E-02	5.22E-06	2.21E-06	1.65E-02	5.21E-06	2.21E-06
2747	490460.04, 3859310.04	1.50E-02	4.74E-06	2.01E-06	1.53E-02	4.83E-06	2.05E-06	1.53E-02	4.83E-06	2.05E-06
2748	490510.04, 3859310.04	1.41E-02	4.44E-06	1.89E-06	1.44E-02	4.54E-06	1.92E-06	1.44E-02	4.53E-06	1.92E-06
2749	490560.04, 3859310.04	1.32E-02	4.15E-06	1.76E-06	1.34E-02	4.24E-06	1.80E-06	1.34E-02	4.23E-06	1.80E-06
2750	490610.04, 3859310.04	1.24E-02	3.91E-06	1.66E-06	1.26E-02	3.99E-06	1.69E-06	1.26E-02	3.99E-06	1.69E-06
2751	490660.04, 3859310.04	1.15E-02	3.64E-06	1.54E-06	1.18E-02	3.71E-06	1.58E-06	1.18E-02	3.71E-06	1.57E-06
2752	490710.04, 3859310.04	1.03E-02	3.25E-06	1.38E-06	1.05E-02	3.32E-06	1.41E-06	1.05E-02	3.32E-06	1.41E-06
2753	490760.04, 3859310.04	9.60E-03	3.03E-06	1.29E-06	9.80E-03	3.09E-06	1.31E-06	9.79E-03	3.09E-06	1.31E-06
2754	490810.04, 3859310.04	9.14E-03	2.89E-06	1.22E-06	9.33E-03	2.95E-06	1.25E-06	9.32E-03	2.94E-06	1.25E-06
2755	490860.04, 3859310.04	8.59E-03	2.71E-06	1.15E-06	8.76E-03	2.77E-06	1.17E-06	8.75E-03	2.76E-06	1.17E-06
2756	490360.04, 3859360.04	2.04E-02	6.45E-06	2.74E-06	2.09E-02	6.59E-06	2.79E-06	2.08E-02	6.58E-06	2.79E-06
2757	490410.04, 3859360.04	1.90E-02	5.99E-06	2.54E-06	1.94E-02	6.11E-06	2.59E-06	1.94E-02	6.11E-06	2.59E-06
2758	490460.04, 3859360.04	1.77E-02	5.60E-06	2.37E-06	1.81E-02	5.71E-06	2.42E-06	1.81E-02	5.70E-06	2.42E-06
2759	490510.04, 3859360.04	1.66E-02	5.23E-06	2.22E-06	1.69E-02	5.33E-06	2.26E-06	1.69E-02	5.33E-06	2.26E-06
2760	490560.04, 3859360.04	1.52E-02	4.81E-06	2.04E-06	1.55E-02	4.91E-06	2.08E-06	1.55E-02	4.90E-06	2.08E-06
2761	490610.04, 3859360.04	1.41E-02	4.44E-06	1.88E-06	1.44E-02	4.53E-06	1.92E-06	1.43E-02	4.52E-06	1.92E-06
2762	490660.04, 3859360.04	1.31E-02	4.14E-06	1.76E-06	1.34E-02	4.23E-06	1.79E-06	1.34E-02	4.22E-06	1.79E-06
2763	490710.04, 3859360.04	1.20E-02	3.80E-06	1.61E-06	1.23E-02	3.88E-06	1.64E-06	1.23E-02	3.87E-06	1.64E-06
2764	490760.04, 3859360.04	1.10E-02	3.48E-06	1.47E-06	1.12E-02	3.55E-06	1.50E-06	1.12E-02	3.54E-06	1.50E-06
2765	490810.04, 3859360.04	1.06E-02	3.34E-06	1.42E-06	1.08E-02	3.41E-06	1.45E-06	1.08E-02	3.41E-06	1.45E-06
2766	490860.04, 3859360.04	9.97E-03	3.15E-06	1.34E-06	1.02E-02	3.21E-06	1.36E-06	1.02E-02	3.21E-06	1.36E-06
2767	490360.04, 3859410.04	2.40E-02	7.58E-06	3.22E-06	2.45E-02	7.74E-06	3.28E-06	2.45E-02	7.73E-06	3.28E-06
2768	490410.04, 3859410.04	2.23E-02	7.04E-06	2.99E-06	2.28E-02	7.18E-06	3.05E-06	2.27E-02	7.17E-06	3.04E-06
2769	490460.04, 3859410.04	2.07E-02	6.54E-06	2.78E-06	2.12E-02	6.68E-06	2.83E-06	2.11E-02	6.67E-06	2.83E-06
2770	490510.04, 3859410.04	1.93E-02	6.08E-06	2.58E-06	1.97E-02	6.21E-06	2.63E-06	1.96E-02	6.20E-06	2.63E-06
2771	490560.04, 3859410.04	1.80E-02	5.67E-06	2.40E-06	1.83E-02	5.78E-06	2.45E-06	1.83E-02	5.78E-06	2.45E-06
2772	490610.04, 3859410.04	1.67E-02	5.28E-06	2.24E-06	1.71E-02	5.38E-06	2.28E-06	1.70E-02	5.38E-06	2.28E-06
2773	490660.04, 3859410.04	1.52E-02	4.79E-06	2.03E-06	1.55E-02	4.89E-06	2.08E-06	1.55E-02	4.89E-06	2.07E-06
2774	490710.04, 3859410.04	1.40E-02	4.41E-06	1.87E-06	1.43E-02	4.50E-06	1.91E-06	1.42E-02	4.49E-06	1.91E-06
2775	490760.04, 3859410.04	1.27E-02	4.01E-06	1.70E-06	1.30E-02	4.09E-06	1.73E-06	1.29E-02	4.08E-06	1.73E-06
2776	490810.04, 3859410.04	1.22E-02	3.84E-06	1.63E-06	1.24E-02	3.91E-06	1.66E-06	1.24E-02	3.91E-06	1.66E-06
2777	490860.04, 3859410.04	1.18E-02	3.71E-06	1.57E-06	1.20E-02	3.78E-06	1.61E-06	1.20E-02	3.78E-06	1.60E-06
2778	490360.04, 3859460.04	2.88E-02	9.09E-06	3.86E-06	2.94E-02	9.28E-06	3.94E-06	2.94E-02	9.27E-06	3.93E-06
2779	490410.04, 3859460.04	2.63E-02	8.29E-06	3.52E-06	2.68E-02	8.45E-06	3.59E-06	2.68E-02	8.44E-06	3.58E-06
2780	490460.04, 3859460.04	2.43E-02	7.67E-06	3.26E-06	2.48E-02	7.83E-06	3.32E-06	2.48E-02	7.82E-06	3.32E-06
2781	490510.04, 3859460.04	2.25E-02	7.12E-06	3.02E-06	2.30E-02	7.26E-06	3.08E-06	2.30E-02	7.25E-06	3.08E-06
2782	490560.04, 3859460.04	2.10E-02	6.63E-06	2.81E-06	2.14E-02	6.76E-06	2.87E-06	2.14E-02	6.75E-06	2.87E-06
2783	490610.04, 3859460.04	1.94E-02	6.12E-06	2.60E-06	1.98E-02	6.25E-06	2.65E-06	1.98E-02	6.24E-06	2.65E-06
2784	490660.04, 3859460.04	1.79E-02	5.64E-06	2.39E-06	1.82E-02	5.75E-06	2.44E-06	1.82E-02	5.75E-06	2.44E-06
2785	490710.04, 3859460.04	1.66E-02	5.25E-06	2.23E-06	1.70E-02	5.35E-06	2.27E-06	1.69E-02	5.35E-06	2.27E-06
2786	490760.04, 3859460.04	1.54E-02	4.86E-06	2.06E-06	1.57E-02	4.96E-06	2.10E-06	1.57E-02	4.95E-06	2.10E-06
2787	490810.04, 3859460.04	1.43E-02	4.51E-06	1.91E-06	1.46E-02	4.61E-06	1.95E-06	1.46E-02	4.60E-06	1.95E-06
2788	490860.04, 3859460.04	1.37E-02	4.31E-06	1.83E-06	1.39E-02	4.40E-06	1.87E-06	1.39E-02	4.40E-06	1.87E-06
2789	490360.04, 3859510.04	3.59E-02	1.13E-05	4.81E-06	3.66E-02	1.16E-05	4.90E-06	3.66E-02	1.15E-05	4.90E-06
2790	490410.04, 3859510.04	3.24E-02	1.02E-05	4.34E-06	3.31E-02	1.04E-05	4.43E-06	3.30E-02	1.04E-05	4.43E-06
2791	490460.04, 3859510.04	2.94E-02	9.27E-06	3.93E-06	3.00E-02	9.46E-06	4.01E-06	2.99E-02	9.44E-06	4.01E-06
2792	490510.04, 3859510.04	2.70E-02	8.52E-06	3.61E-06	2.75E-02	8.69E-06	3.69E-06	2.75E-02	8.68E-06	3.68E-06
2793	490560.04, 3859510.04	2.49E-02	7.87E-06	3.34E-06	2.54E-02	8.03E-06	3.41E-06	2.54E-02	8.02E-06	3.40E-06
2794	490610.04, 3859510.04	2.30E-02	7.25E-06	3.07E-06	2.34E-02	7.39E-06	3.14E-06	2.34E-02	7.38E-06	3.13E-06
2795	490660.04, 3859510.04	2.12E-02	6.68E-06	2.84E-06	2.16E-02	6.82E-06	2.89E-06	2.16E-02	6.81E-06	2.89E-06
2796	490710.04, 3859510.04	1.95E-02	6.16E-06	2.61E-06	1.99E-02	6.29E-06	2.67E-06	1.99E-02	6.28E-06	2.66E-06

2797	490760.04, 3859510.04	1.81E-02	5.70E-06	2.42E-06	1.84E-02	5.82E-06	2.47E-06	1.84E-02	5.81E-06	2.47E-06
2798	490810.04, 3859510.04	1.69E-02	5.35E-06	2.27E-06	1.73E-02	5.46E-06	2.32E-06	1.73E-02	5.45E-06	2.31E-06
2799	490860.04, 3859510.04	1.58E-02	4.99E-06	2.12E-06	1.61E-02	5.09E-06	2.16E-06	1.61E-02	5.09E-06	2.16E-06
2800	490360.04, 3859560.04	4.66E-02	1.47E-05	6.24E-06	4.76E-02	1.50E-05	6.37E-06	4.75E-02	1.50E-05	6.36E-06
2801	490410.04, 3859560.04	4.16E-02	1.31E-05	5.57E-06	4.24E-02	1.34E-05	5.68E-06	4.24E-02	1.34E-05	5.68E-06
2802	490460.04, 3859560.04	3.75E-02	1.18E-05	5.02E-06	3.82E-02	1.21E-05	5.12E-06	3.82E-02	1.21E-05	5.11E-06
2803	490510.04, 3859560.04	3.33E-02	1.05E-05	4.46E-06	3.40E-02	1.07E-05	4.55E-06	3.39E-02	1.07E-05	4.54E-06
2804	490560.04, 3859560.04	3.05E-02	9.63E-06	4.08E-06	3.11E-02	9.82E-06	4.17E-06	3.11E-02	9.81E-06	4.16E-06
2805	490610.04, 3859560.04	2.78E-02	8.78E-06	3.72E-06	2.84E-02	8.95E-06	3.80E-06	2.83E-02	8.94E-06	3.79E-06
2806	490660.04, 3859560.04	2.55E-02	8.06E-06	3.42E-06	2.60E-02	8.22E-06	3.49E-06	2.60E-02	8.21E-06	3.48E-06
2807	490710.04, 3859560.04	2.34E-02	7.38E-06	3.13E-06	2.39E-02	7.53E-06	3.20E-06	2.38E-02	7.53E-06	3.19E-06
2808	490760.04, 3859560.04	2.13E-02	6.71E-06	2.85E-06	2.17E-02	6.85E-06	2.91E-06	2.17E-02	6.84E-06	2.90E-06
2809	490810.04, 3859560.04	1.96E-02	6.20E-06	2.63E-06	2.00E-02	6.33E-06	2.68E-06	2.00E-02	6.32E-06	2.68E-06
2810	490860.04, 3859560.04	1.82E-02	5.73E-06	2.43E-06	1.85E-02	5.85E-06	2.48E-06	1.85E-02	5.84E-06	2.48E-06
2811	490187.25, 3859422.08	3.44E-02	1.09E-05	4.61E-06	3.51E-02	1.11E-05	4.70E-06	3.51E-02	1.11E-05	4.70E-06
2812	490237.25, 3859422.08	3.13E-02	9.87E-06	4.19E-06	3.19E-02	1.01E-05	4.27E-06	3.19E-02	1.01E-05	4.27E-06
2813	490287.25, 3859422.08	2.85E-02	8.99E-06	3.82E-06	2.91E-02	9.18E-06	3.89E-06	2.90E-02	9.17E-06	3.89E-06
2814	490337.25, 3859422.08	2.59E-02	8.18E-06	3.47E-06	2.64E-02	8.34E-06	3.54E-06	2.64E-02	8.33E-06	3.54E-06
2815	490187.25, 3859472.08	4.25E-02	1.34E-05	5.69E-06	4.34E-02	1.37E-05	5.81E-06	4.33E-02	1.37E-05	5.80E-06
2816	490237.25, 3859472.08	3.83E-02	1.21E-05	5.13E-06	3.91E-02	1.23E-05	5.24E-06	3.91E-02	1.23E-05	5.23E-06
2817	490287.25, 3859472.08	3.46E-02	1.09E-05	4.63E-06	3.53E-02	1.11E-05	4.73E-06	3.53E-02	1.11E-05	4.72E-06
2818	490337.25, 3859472.08	3.15E-02	9.95E-06	4.22E-06	3.22E-02	1.02E-05	4.31E-06	3.21E-02	1.01E-05	4.30E-06
2819	490297.07, 3859500.42	3.86E-02	1.22E-05	5.17E-06	3.94E-02	1.24E-05	5.28E-06	3.94E-02	1.24E-05	5.27E-06
2820	490327.07, 3859500.42	3.66E-02	1.15E-05	4.90E-06	3.73E-02	1.18E-05	5.00E-06	3.73E-02	1.18E-05	4.99E-06
2821	490297.07, 3859530.42	4.53E-02	1.43E-05	6.06E-06	4.62E-02	1.46E-05	6.19E-06	4.61E-02	1.46E-05	6.18E-06
2822	490327.07, 3859530.42	4.25E-02	1.34E-05	5.69E-06	4.34E-02	1.37E-05	5.81E-06	4.33E-02	1.37E-05	5.80E-06
2823	490319.73, 3859055.34	1.05E-02	3.33E-06	1.41E-06	1.08E-02	3.40E-06	1.44E-06	1.07E-02	3.39E-06	1.44E-06
2824	490319.73, 3859105.34	1.17E-02	3.69E-06	1.56E-06	1.19E-02	3.76E-06	1.60E-06	1.19E-02	3.76E-06	1.59E-06
2825	490069.73, 3859155.34	1.76E-02	5.56E-06	2.36E-06	1.80E-02	5.67E-06	2.41E-06	1.79E-02	5.66E-06	2.40E-06
2826	490119.73, 3859155.34	1.66E-02	5.23E-06	2.22E-06	1.69E-02	5.34E-06	2.27E-06	1.69E-02	5.33E-06	2.26E-06
2827	490269.73, 3859155.34	1.41E-02	4.44E-06	1.88E-06	1.44E-02	4.53E-06	1.92E-06	1.43E-02	4.53E-06	1.92E-06
2828	490319.73, 3859155.34	1.31E-02	4.13E-06	1.75E-06	1.34E-02	4.22E-06	1.79E-06	1.33E-02	4.21E-06	1.79E-06
2829	490069.73, 3859205.34	2.04E-02	6.45E-06	2.74E-06	2.09E-02	6.59E-06	2.79E-06	2.08E-02	6.58E-06	2.79E-06
2830	490119.73, 3859205.34	1.93E-02	6.10E-06	2.59E-06	1.97E-02	6.22E-06	2.64E-06	1.97E-02	6.21E-06	2.64E-06
2831	490169.73, 3859205.34	1.81E-02	5.72E-06	2.43E-06	1.85E-02	5.84E-06	2.48E-06	1.85E-02	5.83E-06	2.47E-06
2832	490219.73, 3859205.34	1.68E-02	5.32E-06	2.26E-06	1.72E-02	5.42E-06	2.30E-06	1.72E-02	5.42E-06	2.30E-06
2833	490269.73, 3859205.34	1.56E-02	4.91E-06	2.08E-06	1.59E-02	5.01E-06	2.13E-06	1.59E-02	5.00E-06	2.12E-06
2834	490319.73, 3859205.34	1.46E-02	4.60E-06	1.95E-06	1.49E-02	4.70E-06	1.99E-06	1.49E-02	4.69E-06	1.99E-06
2835	490069.73, 3859255.34	2.37E-02	7.48E-06	3.17E-06	2.42E-02	7.63E-06	3.24E-06	2.41E-02	7.62E-06	3.23E-06
2836	490119.73, 3859255.34	2.22E-02	7.00E-06	2.97E-06	2.26E-02	7.14E-06	3.03E-06	2.26E-02	7.13E-06	3.03E-06
2837	490169.73, 3859255.34	2.07E-02	6.53E-06	2.77E-06	2.11E-02	6.67E-06	2.83E-06	2.11E-02	6.66E-06	2.83E-06
2838	490219.73, 3859255.34	1.91E-02	6.03E-06	2.56E-06	1.95E-02	6.16E-06	2.61E-06	1.95E-02	6.15E-06	2.61E-06
2839	490269.73, 3859255.34	1.77E-02	5.58E-06	2.37E-06	1.80E-02	5.70E-06	2.42E-06	1.80E-02	5.69E-06	2.41E-06
2840	490319.73, 3859255.34	1.65E-02	5.20E-06	2.21E-06	1.68E-02	5.31E-06	2.25E-06	1.68E-02	5.30E-06	2.25E-06
2841	490069.73, 3859305.34	2.77E-02	8.75E-06	3.71E-06	2.83E-02	8.93E-06	3.79E-06	2.83E-02	8.92E-06	3.78E-06
2842	490119.73, 3859305.34	2.58E-02	8.14E-06	3.45E-06	2.63E-02	8.30E-06	3.52E-06	2.63E-02	8.29E-06	3.52E-06
2843	490169.73, 3859305.34	2.39E-02	7.54E-06	3.20E-06	2.44E-02	7.69E-06	3.26E-06	2.44E-02	7.69E-06	3.26E-06
2844	490219.73, 3859305.34	2.20E-02	6.95E-06	2.95E-06	2.25E-02	7.09E-06	3.01E-06	2.24E-02	7.08E-06	3.00E-06
2845	490269.73, 3859305.34	2.03E-02	6.41E-06	2.72E-06	2.07E-02	6.54E-06	2.78E-06	2.07E-02	6.53E-06	2.77E-06
2846	490319.73, 3859305.34	1.87E-02	5.90E-06	2.50E-06	1.91E-02	6.02E-06	2.55E-06	1.90E-02	6.01E-06	2.55E-06
2847	490069.73, 3859355.34	3.33E-02	1.05E-05	4.46E-06	3.40E-02	1.07E-05	4.55E-06	3.39E-02	1.07E-05	4.54E-06
2848	490119.73, 3859355.34	3.05E-02	9.64E-06	4.09E-06	3.12E-02	9.83E-06	4.17E-06	3.11E-02	9.82E-06	4.17E-06
2849	490169.73, 3859355.34	2.81E-02	8.85E-06	3.76E-06	2.86E-02	9.04E-06	3.83E-06	2.86E-02	9.02E-06	3.83E-06
2850	490219.73, 3859355.34	2.57E-02	8.11E-06	3.44E-06	2.62E-02	8.27E-06	3.51E-06	2.62E-02	8.26E-06	3.51E-06
2851	490269.73, 3859355.34	2.35E-02	7.43E-06	3.15E-06	2.40E-02	7.58E-06	3.22E-06	2.40E-02	7.58E-06	3.21E-06
2852	490319.73, 3859355.34	2.16E-02	6.83E-06	2.90E-06	2.21E-02	6.97E-06	2.96E-06	2.20E-02	6.96E-06	2.95E-06
2853	490069.73, 3859405.34	4.08E-02	1.29E-05	5.47E-06	4.17E-02	1.32E-05	5.58E-06	4.16E-02	1.31E-05	5.57E-06
2854	490119.73, 3859405.34	3.68E-02	1.16E-05	4.93E-06	3.75E-02	1.19E-05	5.03E-06	3.75E-02	1.18E-05	5.02E-06
2855	490169.73, 3859405.34	3.34E-02	1.05E-05	4.47E-06	3.41E-02	1.08E-05	4.56E-06	3.40E-02	1.07E-05	4.56E-06
2856	490219.73, 3859405.34	3.04E-02	9.61E-06	4.08E-06	3.11E-02	9.81E-06	4.16E-06	3.10E-02	9.79E-06	4.16E-06
2857	490269.73, 3859405.34	2.77E-02	8.74E-06	3.71E-06	2.83E-02	8.92E-06	3.78E-06	2.82E-02	8.91E-06	3.78E-06
2858	490319.73, 3859405.34	2.51E-02	7.93E-06	3.37E-06	2.57E-02	8.10E-06	3.44E-06	2.56E-02	8.09E-06	3.43E-06
2859	490161.89, 3859541.83	6.95E-02	2.19E-05	9.30E-06	7.09E-02	2.24E-05	9.49E-06	7.08E-02	2.23E-05	9.48E-06
2860	490171.89, 3859541.83	6.74E-02	2.13E-05	9.02E-06	6.88E-02	2.17E-05	9.21E-06	6.87E-02	2.17E-05	9.20E-06
2861	490161.89, 3859551.83	7.60E-02	2.40E-05	1.02E-05	7.76E-02	2.45E-05	1.04E-05	7.75E-02	2.45E-05	1.04E-05
2862	490171.89, 3859551.83	7.35E-02	2.32E-05	9.84E-06	7.50E-02	2.37E-05	1.00E-05	7.49E-02	2.36E-05	1.00E-05
2863	489799.72, 3859348.21	6.44E-02	2.03E-05	8.63E-06	6.57E-02	2.07E-05	8.80E-06	6.57E-02	2.07E-05	8.79E-06
2864	489819.72, 3859348.21	5.99E-02	1.89E-05	8.02E-06	6.11E-02	1.93E-05	8.19E-06	6.11E-02	1.93E-05	8.18E-06
2865	489799.72, 3859368.21	7.52E-02	2.37E-05	1.01E-05	7.67E-02	2.42E-05	1.03E-05	7.66E-02	2.42E-05	1.03E-05
2866	489819.72, 3859368.21	6.91E-02	2.18E-05	9.25E-06	7.05E-02	2.22E-05	9.44E-06	7.04E-02	2.22E-05	9.42E-06

2867	489775.41, 3859329.72	6.19E-02	1.96E-05	8.30E-06	6.32E-02	1.99E-05	8.46E-06	6.31E-02	1.99E-05	8.45E-06
2868	489795.41, 3859329.72	5.77E-02	1.82E-05	7.73E-06	5.89E-02	1.86E-05	7.89E-06	5.89E-02	1.86E-05	7.88E-06
2869	489775.41, 3859349.72	7.19E-02	2.27E-05	9.62E-06	7.33E-02	2.31E-05	9.82E-06	7.32E-02	2.31E-05	9.81E-06
2870	489795.41, 3859349.72	6.62E-02	2.09E-05	8.87E-06	6.76E-02	2.13E-05	9.05E-06	6.75E-02	2.13E-05	9.04E-06
2871	489595.05, 3859219.43	5.55E-02	1.75E-05	7.43E-06	5.66E-02	1.79E-05	7.58E-06	5.65E-02	1.78E-05	7.57E-06
2872	489615.05, 3859219.43	5.19E-02	1.64E-05	6.95E-06	5.30E-02	1.67E-05	7.09E-06	5.29E-02	1.67E-05	7.08E-06
2873	489595.05, 3859239.43	6.39E-02	2.02E-05	8.55E-06	6.52E-02	2.06E-05	8.73E-06	6.51E-02	2.05E-05	8.72E-06
2874	489615.05, 3859239.43	5.92E-02	1.87E-05	7.93E-06	6.04E-02	1.91E-05	8.09E-06	6.04E-02	1.90E-05	8.08E-06
2875	489372.4, 3859092.58	5.04E-02	1.59E-05	6.74E-06	5.14E-02	1.62E-05	6.88E-06	5.13E-02	1.62E-05	6.87E-06
2876	489422.4, 3859092.58	4.31E-02	1.36E-05	5.77E-06	4.39E-02	1.39E-05	5.88E-06	4.39E-02	1.39E-05	5.88E-06
2877	489372.4, 3859142.58	7.36E-02	2.32E-05	9.86E-06	7.51E-02	2.37E-05	1.01E-05	7.50E-02	2.37E-05	1.00E-05
2878	489422.4, 3859142.58	5.98E-02	1.89E-05	8.01E-06	6.10E-02	1.93E-05	8.17E-06	6.10E-02	1.92E-05	8.16E-06
2879	488870.84, 3858666.64	4.20E-03	1.33E-06	5.63E-07	4.29E-03	1.35E-06	5.74E-07	4.28E-03	1.35E-06	5.73E-07
2880	488900.84, 3858666.64	4.20E-03	1.33E-06	5.63E-07	4.29E-03	1.35E-06	5.74E-07	4.28E-03	1.35E-06	5.73E-07
2881	488870.84, 3858696.64	4.67E-03	1.47E-06	6.26E-07	4.77E-03	1.50E-06	6.38E-07	4.76E-03	1.50E-06	6.38E-07
2882	488900.84, 3858696.64	4.67E-03	1.47E-06	6.26E-07	4.77E-03	1.50E-06	6.39E-07	4.76E-03	1.50E-06	6.38E-07
2883	488889.67, 3858683.97	4.46E-03	1.41E-06	5.97E-07	4.55E-03	1.44E-06	6.10E-07	4.55E-03	1.43E-06	6.09E-07
2884	488919.67, 3858683.97	4.46E-03	1.41E-06	5.97E-07	4.55E-03	1.44E-06	6.09E-07	4.54E-03	1.43E-06	6.08E-07
2885	488889.67, 3858713.97	5.01E-03	1.58E-06	6.70E-07	5.11E-03	1.61E-06	6.84E-07	5.10E-03	1.61E-06	6.83E-07
2886	488919.67, 3858713.97	5.00E-03	1.58E-06	6.70E-07	5.11E-03	1.61E-06	6.84E-07	5.10E-03	1.61E-06	6.83E-07
2887	488906.61, 3858703.33	4.79E-03	1.51E-06	6.42E-07	4.89E-03	1.54E-06	6.55E-07	4.89E-03	1.54E-06	6.54E-07
2888	488936.61, 3858703.33	4.79E-03	1.51E-06	6.42E-07	4.89E-03	1.54E-06	6.55E-07	4.88E-03	1.54E-06	6.54E-07
2889	488906.61, 3858733.33	5.45E-03	1.72E-06	7.29E-07	5.56E-03	1.75E-06	7.44E-07	5.55E-03	1.75E-06	7.43E-07
2890	488936.61, 3858733.33	5.45E-03	1.72E-06	7.30E-07	5.56E-03	1.75E-06	7.44E-07	5.55E-03	1.75E-06	7.44E-07
2891	488637.63, 3858467.85	2.53E-03	7.98E-07	3.38E-07	2.58E-03	8.14E-07	3.45E-07	2.58E-03	8.13E-07	3.45E-07
2892	488662.63, 3858467.85	2.54E-03	8.01E-07	3.40E-07	2.59E-03	8.18E-07	3.47E-07	2.59E-03	8.17E-07	3.46E-07
2893	488637.63, 3858492.85	2.64E-03	8.32E-07	3.53E-07	2.69E-03	8.49E-07	3.60E-07	2.69E-03	8.48E-07	3.60E-07
2894	488662.63, 3858492.85	2.65E-03	8.37E-07	3.55E-07	2.71E-03	8.54E-07	3.62E-07	2.70E-03	8.53E-07	3.62E-07
2895	488687.63, 3858492.85	2.66E-03	8.40E-07	3.57E-07	2.72E-03	8.58E-07	3.64E-07	2.71E-03	8.57E-07	3.63E-07
2896	488637.63, 3858517.85	2.75E-03	8.69E-07	3.69E-07	2.81E-03	8.87E-07	3.76E-07	2.81E-03	8.86E-07	3.76E-07
2897	488662.63, 3858517.85	2.77E-03	8.76E-07	3.71E-07	2.83E-03	8.93E-07	3.79E-07	2.83E-03	8.92E-07	3.79E-07
2898	488687.63, 3858517.85	2.79E-03	8.80E-07	3.73E-07	2.85E-03	8.98E-07	3.81E-07	2.84E-03	8.97E-07	3.81E-07
2899	488194.42, 3857168.98	9.63E-04	3.04E-07	1.29E-07	9.82E-04	3.10E-07	1.32E-07	9.81E-04	3.10E-07	1.31E-07
2900	488244.42, 3857168.98	9.67E-04	3.05E-07	1.30E-07	9.87E-04	3.12E-07	1.32E-07	9.86E-04	3.11E-07	1.32E-07
2901	488294.42, 3857168.98	9.70E-04	3.06E-07	1.30E-07	9.90E-04	3.12E-07	1.33E-07	9.88E-04	3.12E-07	1.32E-07
2902	488244.42, 3857218.98	9.75E-04	3.08E-07	1.31E-07	9.95E-04	3.14E-07	1.33E-07	9.94E-04	3.14E-07	1.33E-07
2903	488294.42, 3857218.98	9.79E-04	3.09E-07	1.31E-07	9.99E-04	3.15E-07	1.34E-07	9.98E-04	3.15E-07	1.34E-07
2904	488294.42, 3857268.98	9.91E-04	3.13E-07	1.33E-07	1.01E-03	3.19E-07	1.35E-07	1.01E-03	3.19E-07	1.35E-07
2905	488139.13, 3857111.68	9.51E-04	3.00E-07	1.27E-07	9.71E-04	3.06E-07	1.30E-07	9.69E-04	3.06E-07	1.30E-07
2906	488189.13, 3857111.68	9.56E-04	3.02E-07	1.28E-07	9.76E-04	3.08E-07	1.31E-07	9.75E-04	3.08E-07	1.31E-07
2907	488189.13, 3857161.68	9.61E-04	3.03E-07	1.29E-07	9.81E-04	3.10E-07	1.31E-07	9.80E-04	3.09E-07	1.31E-07
2908	487951.04, 3856961.26	9.28E-04	2.93E-07	1.24E-07	9.47E-04	2.99E-07	1.27E-07	9.46E-04	2.99E-07	1.27E-07
2909	488001.04, 3856961.26	9.31E-04	2.94E-07	1.25E-07	9.50E-04	3.00E-07	1.27E-07	9.48E-04	2.99E-07	1.27E-07
2910	488051.04, 3856961.26	9.29E-04	2.93E-07	1.24E-07	9.48E-04	2.99E-07	1.27E-07	9.47E-04	2.99E-07	1.27E-07
2911	488101.04, 3856961.26	9.34E-04	2.95E-07	1.25E-07	9.53E-04	3.01E-07	1.28E-07	9.52E-04	3.00E-07	1.27E-07
2912	487951.04, 3857011.26	9.35E-04	2.95E-07	1.25E-07	9.54E-04	3.01E-07	1.28E-07	9.53E-04	3.01E-07	1.28E-07
2913	488001.04, 3857011.26	9.34E-04	2.95E-07	1.25E-07	9.53E-04	3.01E-07	1.28E-07	9.52E-04	3.01E-07	1.28E-07
2914	488051.04, 3857011.26	9.34E-04	2.95E-07	1.25E-07	9.53E-04	3.01E-07	1.28E-07	9.52E-04	3.00E-07	1.27E-07
2915	488101.04, 3857011.26	9.39E-04	2.96E-07	1.26E-07	9.59E-04	3.03E-07	1.28E-07	9.57E-04	3.02E-07	1.28E-07
2916	488001.04, 3857061.26	9.40E-04	2.97E-07	1.26E-07	9.59E-04	3.03E-07	1.28E-07	9.58E-04	3.02E-07	1.28E-07
2917	488051.04, 3857061.26	9.42E-04	2.97E-07	1.26E-07	9.62E-04	3.03E-07	1.29E-07	9.60E-04	3.03E-07	1.29E-07
2918	488101.04, 3857061.26	9.46E-04	2.98E-07	1.27E-07	9.65E-04	3.05E-07	1.29E-07	9.64E-04	3.04E-07	1.29E-07
2919	487638.98, 3856673.79	8.95E-04	2.83E-07	1.20E-07	9.13E-04	2.88E-07	1.22E-07	9.12E-04	2.88E-07	1.22E-07
2920	487688.98, 3856673.79	8.98E-04	2.84E-07	1.20E-07	9.17E-04	2.89E-07	1.23E-07	9.16E-04	2.89E-07	1.23E-07
2921	487638.98, 3856723.79	8.97E-04	2.83E-07	1.20E-07	9.15E-04	2.89E-07	1.23E-07	9.14E-04	2.88E-07	1.22E-07
2922	487688.98, 3856723.79	9.00E-04	2.84E-07	1.20E-07	9.18E-04	2.90E-07	1.23E-07	9.17E-04	2.89E-07	1.23E-07
2923	486324.61, 3855740.57	9.74E-04	3.07E-07	1.30E-07	9.94E-04	3.14E-07	1.33E-07	9.93E-04	3.13E-07	1.33E-07
2924	486374.61, 3855740.57	9.61E-04	3.03E-07	1.29E-07	9.81E-04	3.10E-07	1.31E-07	9.80E-04	3.09E-07	1.31E-07
2925	486424.61, 3855740.57	9.57E-04	3.02E-07	1.28E-07	9.77E-04	3.08E-07	1.31E-07	9.75E-04	3.08E-07	1.31E-07
2926	486324.61, 3855790.57	9.64E-04	3.04E-07	1.29E-07	9.84E-04	3.11E-07	1.32E-07	9.83E-04	3.10E-07	1.32E-07
2927	486374.61, 3855790.57	9.53E-04	3.01E-07	1.28E-07	9.72E-04	3.07E-07	1.30E-07	9.71E-04	3.07E-07	1.30E-07
2928	486424.61, 3855790.57	9.51E-04	3.00E-07	1.27E-07	9.71E-04	3.06E-07	1.30E-07	9.69E-04	3.06E-07	1.30E-07
2929	486324.61, 3855840.57	9.55E-04	3.02E-07	1.28E-07	9.75E-04	3.08E-07	1.31E-07	9.74E-04	3.07E-07	1.30E-07
2930	486374.61, 3855840.57	9.52E-04	3.00E-07	1.27E-07	9.71E-04	3.07E-07	1.30E-07	9.70E-04	3.06E-07	1.30E-07
2931	486424.61, 3855840.57	9.46E-04	2.99E-07	1.27E-07	9.65E-04	3.05E-07	1.29E-07	9.64E-04	3.04E-07	1.29E-07
2932	486324.61, 3855890.57	9.55E-04	3.01E-07	1.28E-07	9.74E-04	3.07E-07	1.30E-07	9.73E-04	3.07E-07	1.30E-07
2933	486374.61, 3855890.57	9.50E-04	3.00E-07	1.27E-07	9.69E-04	3.06E-07	1.30E-07	9.68E-04	3.06E-07	1.30E-07
2934	486424.61, 3855890.57	9.43E-04	2.98E-07	1.26E-07	9.62E-04	3.04E-07	1.29E-07	9.61E-04	3.03E-07	1.29E-07
2935	488735.69, 3858285.64	1.96E-03	6.20E-07	2.63E-07	2.00E-03	6.33E-07	2.68E-07	2.00E-03	6.32E-07	2.68E-07
2936	488765.69, 3858285.64	1.97E-03	6.22E-07	2.64E-07	2.01E-03	6.34E-07	2.69E-07	2.01E-03	6.34E-07	2.69E-07

2937	488735.69, 3858315.64	2.04E-03	6.44E-07	2.73E-07	2.08E-03	6.57E-07	2.79E-07	2.08E-03	6.56E-07	2.78E-07
2938	488765.69, 3858315.64	2.05E-03	6.46E-07	2.74E-07	2.09E-03	6.59E-07	2.80E-07	2.09E-03	6.58E-07	2.79E-07
2939	478676.63, 3849871.93	2.13E-02	6.71E-06	2.85E-06	2.17E-02	6.85E-06	2.91E-06	2.17E-02	6.84E-06	2.90E-06
2940	479326.63, 3849871.93	1.31E-02	4.13E-06	1.75E-06	1.34E-02	4.22E-06	1.79E-06	1.34E-02	4.21E-06	1.79E-06
2941	479376.63, 3849871.93	1.27E-02	4.01E-06	1.70E-06	1.30E-02	4.10E-06	1.74E-06	1.30E-02	4.09E-06	1.74E-06
2942	479426.63, 3849871.93	1.24E-02	3.93E-06	1.67E-06	1.27E-02	4.01E-06	1.70E-06	1.27E-02	4.00E-06	1.70E-06
2943	478726.63, 3849921.93	2.22E-02	7.02E-06	2.98E-06	2.27E-02	7.16E-06	3.04E-06	2.27E-02	7.15E-06	3.04E-06
2944	478776.63, 3849921.93	2.13E-02	6.72E-06	2.85E-06	2.17E-02	6.86E-06	2.91E-06	2.17E-02	6.85E-06	2.91E-06
2945	478826.63, 3849921.93	2.04E-02	6.45E-06	2.73E-06	2.08E-02	6.58E-06	2.79E-06	2.08E-02	6.57E-06	2.79E-06
2946	478976.63, 3849921.93	1.81E-02	5.71E-06	2.42E-06	1.85E-02	5.83E-06	2.47E-06	1.85E-02	5.82E-06	2.47E-06
2947	479026.63, 3849921.93	1.75E-02	5.54E-06	2.35E-06	1.79E-02	5.65E-06	2.40E-06	1.79E-02	5.64E-06	2.39E-06
2948	479076.63, 3849921.93	1.69E-02	5.34E-06	2.27E-06	1.73E-02	5.45E-06	2.31E-06	1.73E-02	5.45E-06	2.31E-06
2949	479126.63, 3849921.93	1.63E-02	5.16E-06	2.19E-06	1.67E-02	5.26E-06	2.23E-06	1.67E-02	5.26E-06	2.23E-06
2950	479176.63, 3849921.93	1.58E-02	5.00E-06	2.12E-06	1.62E-02	5.10E-06	2.16E-06	1.61E-02	5.09E-06	2.16E-06
2951	479226.63, 3849921.93	1.52E-02	4.79E-06	2.03E-06	1.55E-02	4.89E-06	2.08E-06	1.55E-02	4.89E-06	2.07E-06
2952	479276.63, 3849921.93	1.43E-02	4.52E-06	1.92E-06	1.46E-02	4.61E-06	1.96E-06	1.46E-02	4.61E-06	1.96E-06
2953	479326.63, 3849921.93	1.43E-02	4.52E-06	1.92E-06	1.46E-02	4.61E-06	1.96E-06	1.46E-02	4.60E-06	1.95E-06
2954	479376.63, 3849921.93	1.35E-02	4.27E-06	1.81E-06	1.38E-02	4.36E-06	1.85E-06	1.38E-02	4.35E-06	1.85E-06
2955	479426.63, 3849921.93	1.34E-02	4.23E-06	1.79E-06	1.37E-02	4.32E-06	1.83E-06	1.37E-02	4.31E-06	1.83E-06
2956	478726.63, 3849971.93	2.44E-02	7.70E-06	3.27E-06	2.49E-02	7.86E-06	3.34E-06	2.49E-02	7.85E-06	3.33E-06
2957	478776.63, 3849971.93	2.33E-02	7.35E-06	3.12E-06	2.38E-02	7.50E-06	3.18E-06	2.37E-02	7.49E-06	3.18E-06
2958	478826.63, 3849971.93	2.23E-02	7.02E-06	2.98E-06	2.27E-02	7.17E-06	3.04E-06	2.27E-02	7.16E-06	3.04E-06
2959	478976.63, 3849971.93	1.97E-02	6.21E-06	2.64E-06	2.01E-02	6.34E-06	2.69E-06	2.01E-02	6.33E-06	2.69E-06
2960	479026.63, 3849971.93	1.89E-02	5.97E-06	2.53E-06	1.93E-02	6.09E-06	2.58E-06	1.93E-02	6.08E-06	2.58E-06
2961	479076.63, 3849971.93	1.82E-02	5.74E-06	2.43E-06	1.85E-02	5.85E-06	2.48E-06	1.85E-02	5.85E-06	2.48E-06
2962	479126.63, 3849971.93	1.75E-02	5.53E-06	2.35E-06	1.79E-02	5.64E-06	2.39E-06	1.79E-02	5.63E-06	2.39E-06
2963	479176.63, 3849971.93	1.69E-02	5.34E-06	2.27E-06	1.73E-02	5.45E-06	2.31E-06	1.73E-02	5.44E-06	2.31E-06
2964	479226.63, 3849971.93	1.59E-02	5.00E-06	2.12E-06	1.62E-02	5.11E-06	2.17E-06	1.62E-02	5.10E-06	2.16E-06
2965	479276.63, 3849971.93	1.57E-02	4.95E-06	2.10E-06	1.60E-02	5.05E-06	2.14E-06	1.60E-02	5.04E-06	2.14E-06
2966	479326.63, 3849971.93	1.54E-02	4.85E-06	2.06E-06	1.57E-02	4.95E-06	2.10E-06	1.57E-02	4.95E-06	2.10E-06
2967	479376.63, 3849971.93	1.46E-02	4.61E-06	1.96E-06	1.49E-02	4.70E-06	2.00E-06	1.49E-02	4.70E-06	1.99E-06
2968	479426.63, 3849971.93	1.43E-02	4.50E-06	1.91E-06	1.46E-02	4.60E-06	1.95E-06	1.45E-02	4.59E-06	1.95E-06
2969	478726.63, 3850021.93	2.71E-02	8.54E-06	3.62E-06	2.76E-02	8.71E-06	3.70E-06	2.76E-02	8.70E-06	3.69E-06
2970	478776.63, 3850021.93	2.57E-02	8.10E-06	3.44E-06	2.62E-02	8.27E-06	3.51E-06	2.62E-02	8.26E-06	3.50E-06
2971	478826.63, 3850021.93	2.44E-02	7.71E-06	3.27E-06	2.49E-02	7.87E-06	3.34E-06	2.49E-02	7.86E-06	3.34E-06
2972	478976.63, 3850021.93	2.14E-02	6.75E-06	2.86E-06	2.18E-02	6.88E-06	2.92E-06	2.18E-02	6.88E-06	2.92E-06
2973	478726.63, 3850071.93	3.04E-02	9.59E-06	4.07E-06	3.10E-02	9.78E-06	4.15E-06	3.10E-02	9.77E-06	4.15E-06
2974	478776.63, 3850071.93	2.86E-02	9.04E-06	3.84E-06	2.92E-02	9.22E-06	3.91E-06	2.92E-02	9.21E-06	3.91E-06
2975	478826.63, 3850071.93	2.71E-02	8.56E-06	3.63E-06	2.77E-02	8.73E-06	3.70E-06	2.76E-02	8.72E-06	3.70E-06
2976	478876.63, 3850071.93	2.57E-02	8.12E-06	3.45E-06	2.63E-02	8.29E-06	3.52E-06	2.62E-02	8.28E-06	3.51E-06
2977	478976.63, 3850071.93	2.34E-02	7.38E-06	3.13E-06	2.39E-02	7.53E-06	3.20E-06	2.38E-02	7.52E-06	3.19E-06
2978	478726.63, 3850121.93	3.47E-02	1.10E-05	4.65E-06	3.54E-02	1.12E-05	4.74E-06	3.54E-02	1.12E-05	4.74E-06
2979	478776.63, 3850121.93	3.24E-02	1.02E-05	4.34E-06	3.31E-02	1.04E-05	4.43E-06	3.30E-02	1.04E-05	4.42E-06
2980	478826.63, 3850121.93	3.04E-02	9.61E-06	4.08E-06	3.11E-02	9.80E-06	4.16E-06	3.10E-02	9.79E-06	4.15E-06
2981	478876.63, 3850121.93	2.87E-02	9.06E-06	3.84E-06	2.93E-02	9.25E-06	3.92E-06	2.93E-02	9.24E-06	3.92E-06
2982	478976.63, 3850121.93	2.58E-02	8.14E-06	3.45E-06	2.63E-02	8.30E-06	3.52E-06	2.63E-02	8.29E-06	3.52E-06
2983	479026.63, 3850121.93	2.46E-02	7.75E-06	3.29E-06	2.51E-02	7.91E-06	3.36E-06	2.50E-02	7.90E-06	3.35E-06
2984	479076.63, 3850121.93	2.34E-02	7.40E-06	3.14E-06	2.39E-02	7.55E-06	3.20E-06	2.39E-02	7.54E-06	3.20E-06
2985	479126.63, 3850121.93	2.24E-02	7.06E-06	3.00E-06	2.28E-02	7.21E-06	3.06E-06	2.28E-02	7.20E-06	3.05E-06
2986	478776.63, 3850171.93	3.75E-02	1.18E-05	5.02E-06	3.83E-02	1.21E-05	5.13E-06	3.82E-02	1.21E-05	5.12E-06
2987	478826.63, 3850171.93	3.48E-02	1.10E-05	4.67E-06	3.56E-02	1.12E-05	4.76E-06	3.55E-02	1.12E-05	4.76E-06
2988	478876.63, 3850171.93	3.25E-02	1.03E-05	4.36E-06	3.32E-02	1.05E-05	4.45E-06	3.32E-02	1.05E-05	4.44E-06
2989	478976.63, 3850171.93	2.88E-02	9.09E-06	3.86E-06	2.94E-02	9.27E-06	3.93E-06	2.93E-02	9.26E-06	3.93E-06
2990	479026.63, 3850171.93	2.72E-02	8.60E-06	3.65E-06	2.78E-02	8.77E-06	3.72E-06	2.78E-02	8.76E-06	3.72E-06
2991	479076.63, 3850171.93	2.59E-02	8.17E-06	3.47E-06	2.64E-02	8.34E-06	3.54E-06	2.64E-02	8.33E-06	3.53E-06
2992	479126.63, 3850171.93	2.46E-02	7.77E-06	3.30E-06	2.51E-02	7.93E-06	3.36E-06	2.51E-02	7.92E-06	3.36E-06
2993	479176.63, 3850171.93	2.35E-02	7.42E-06	3.15E-06	2.40E-02	7.57E-06	3.21E-06	2.40E-02	7.56E-06	3.21E-06
2994	479226.63, 3850171.93	2.25E-02	7.12E-06	3.02E-06	2.30E-02	7.26E-06	3.08E-06	2.30E-02	7.25E-06	3.08E-06
2995	479276.63, 3850171.93	2.16E-02	6.82E-06	2.89E-06	2.21E-02	6.96E-06	2.95E-06	2.20E-02	6.95E-06	2.95E-06
2996	479326.63, 3850171.93	2.08E-02	6.56E-06	2.78E-06	2.12E-02	6.70E-06	2.84E-06	2.12E-02	6.69E-06	2.84E-06
2997	479376.63, 3850171.93	1.99E-02	6.29E-06	2.67E-06	2.03E-02	6.42E-06	2.72E-06	2.03E-02	6.41E-06	2.72E-06
2998	478676.63, 3850221.93	5.67E-02	1.79E-05	7.60E-06	5.79E-02	1.83E-05	7.75E-06	5.78E-02	1.82E-05	7.74E-06
2999	478726.63, 3850221.93	5.00E-02	1.58E-05	6.69E-06	5.10E-02	1.61E-05	6.83E-06	5.09E-02	1.61E-05	6.82E-06
3000	478976.63, 3850221.93	3.26E-02	1.03E-05	4.37E-06	3.33E-02	1.05E-05	4.46E-06	3.32E-02	1.05E-05	4.45E-06
3001	479026.63, 3850221.93	3.06E-02	9.65E-06	4.10E-06	3.12E-02	9.85E-06	4.18E-06	3.12E-02	9.84E-06	4.17E-06
3002	479076.63, 3850221.93	2.89E-02	9.11E-06	3.87E-06	2.95E-02	9.30E-06	3.95E-06	2.94E-02	9.29E-06	3.94E-06
3003	479126.63, 3850221.93	2.74E-02	8.63E-06	3.66E-06	2.79E-02	8.81E-06	3.74E-06	2.79E-02	8.80E-06	3.73E-06
3004	479176.63, 3850221.93	2.60E-02	8.19E-06	3.48E-06	2.65E-02	8.36E-06	3.55E-06	2.65E-02	8.35E-06	3.54E-06
3005	479226.63, 3850221.93	2.47E-02	7.80E-06	3.31E-06	2.52E-02	7.96E-06	3.38E-06	2.52E-02	7.95E-06	3.37E-06
3006	479276.63, 3850221.93	2.36E-02	7.44E-06	3.16E-06	2.40E-02	7.59E-06	3.22E-06	2.40E-02	7.58E-06	3.22E-06

3007	479326.63, 3850221.93	2.26E-02	7.14E-06	3.03E-06	2.31E-02	7.28E-06	3.09E-06	2.30E-02	7.27E-06	3.09E-06
3008	479376.63, 3850221.93	2.17E-02	6.85E-06	2.91E-06	2.21E-02	6.99E-06	2.96E-06	2.21E-02	6.98E-06	2.96E-06
3009	478676.63, 3850271.93	7.91E-02	2.50E-05	1.06E-05	8.08E-02	2.55E-05	1.08E-05	8.07E-02	2.55E-05	1.08E-05
3010	478726.63, 3850271.93	6.58E-02	2.08E-05	8.81E-06	6.72E-02	2.12E-05	8.99E-06	6.71E-02	2.12E-05	8.98E-06
3011	478976.63, 3850271.93	3.78E-02	1.19E-05	5.07E-06	3.86E-02	1.22E-05	5.17E-06	3.86E-02	1.22E-05	5.17E-06
3012	479026.63, 3850271.93	3.50E-02	1.10E-05	4.69E-06	3.57E-02	1.13E-05	4.78E-06	3.57E-02	1.13E-05	4.78E-06
3013	479076.63, 3850271.93	3.27E-02	1.03E-05	4.38E-06	3.34E-02	1.05E-05	4.47E-06	3.33E-02	1.05E-05	4.46E-06
3014	479126.63, 3850271.93	3.07E-02	9.69E-06	4.11E-06	3.13E-02	9.89E-06	4.19E-06	3.13E-02	9.87E-06	4.19E-06
3015	479176.63, 3850271.93	2.89E-02	9.13E-06	3.87E-06	2.95E-02	9.31E-06	3.95E-06	2.95E-02	9.30E-06	3.95E-06
3016	479226.63, 3850271.93	2.73E-02	8.63E-06	3.66E-06	2.79E-02	8.80E-06	3.73E-06	2.79E-02	8.79E-06	3.73E-06
3017	479276.63, 3850271.93	2.60E-02	8.20E-06	3.48E-06	2.65E-02	8.36E-06	3.55E-06	2.65E-02	8.35E-06	3.54E-06
3018	479326.63, 3850271.93	2.48E-02	7.83E-06	3.32E-06	2.53E-02	7.99E-06	3.39E-06	2.53E-02	7.98E-06	3.39E-06
3019	479376.63, 3850271.93	2.37E-02	7.48E-06	3.18E-06	2.42E-02	7.64E-06	3.24E-06	2.42E-02	7.63E-06	3.24E-06
3020	479053.24, 3850293.52	3.59E-02	1.13E-05	4.80E-06	3.66E-02	1.16E-05	4.90E-06	3.66E-02	1.15E-05	4.90E-06
3021	479103.24, 3850293.52	3.34E-02	1.05E-05	4.48E-06	3.41E-02	1.08E-05	4.57E-06	3.41E-02	1.07E-05	4.56E-06
3022	479153.24, 3850293.52	3.14E-02	9.90E-06	4.20E-06	3.20E-02	1.01E-05	4.28E-06	3.20E-02	1.01E-05	4.28E-06
3023	479203.24, 3850293.52	2.95E-02	9.30E-06	3.95E-06	3.01E-02	9.49E-06	4.03E-06	3.00E-02	9.48E-06	4.02E-06
3024	479253.24, 3850293.52	2.79E-02	8.79E-06	3.73E-06	2.84E-02	8.97E-06	3.81E-06	2.84E-02	8.96E-06	3.80E-06
3025	479303.24, 3850293.52	2.65E-02	8.36E-06	3.55E-06	2.70E-02	8.53E-06	3.62E-06	2.70E-02	8.52E-06	3.62E-06
3026	479353.24, 3850293.52	2.53E-02	7.98E-06	3.38E-06	2.58E-02	8.14E-06	3.45E-06	2.58E-02	8.13E-06	3.45E-06
3027	479153.24, 3850343.52	3.60E-02	1.13E-05	4.82E-06	3.67E-02	1.16E-05	4.91E-06	3.66E-02	1.16E-05	4.91E-06
3028	479203.24, 3850343.52	3.35E-02	1.06E-05	4.48E-06	3.41E-02	1.08E-05	4.57E-06	3.41E-02	1.08E-05	4.57E-06
3029	479253.24, 3850343.52	3.14E-02	9.92E-06	4.21E-06	3.21E-02	1.01E-05	4.30E-06	3.20E-02	1.01E-05	4.29E-06
3030	479303.24, 3850343.52	2.97E-02	9.37E-06	3.98E-06	3.03E-02	9.57E-06	4.06E-06	3.03E-02	9.55E-06	4.05E-06
3031	479353.24, 3850343.52	2.81E-02	8.88E-06	3.77E-06	2.87E-02	9.06E-06	3.84E-06	2.87E-02	9.05E-06	3.84E-06
3032	479203.24, 3850393.52	3.90E-02	1.23E-05	5.23E-06	3.98E-02	1.26E-05	5.34E-06	3.98E-02	1.26E-05	5.33E-06
3033	479253.24, 3850393.52	3.62E-02	1.14E-05	4.85E-06	3.70E-02	1.17E-05	4.95E-06	3.69E-02	1.17E-05	4.94E-06
3034	479303.24, 3850393.52	3.39E-02	1.07E-05	4.54E-06	3.46E-02	1.09E-05	4.63E-06	3.45E-02	1.09E-05	4.62E-06
3035	479353.24, 3850393.52	3.18E-02	1.00E-05	4.26E-06	3.25E-02	1.02E-05	4.35E-06	3.24E-02	1.02E-05	4.34E-06
3036	479403.24, 3850393.52	3.00E-02	9.46E-06	4.01E-06	3.06E-02	9.65E-06	4.09E-06	3.05E-02	9.64E-06	4.09E-06
3037	479453.24, 3850393.52	2.83E-02	8.93E-06	3.79E-06	2.89E-02	9.11E-06	3.87E-06	2.88E-02	9.10E-06	3.86E-06
3038	479503.24, 3850393.52	2.67E-02	8.41E-06	3.57E-06	2.72E-02	8.59E-06	3.64E-06	2.72E-02	8.58E-06	3.64E-06
3039	479303.24, 3850443.52	3.97E-02	1.25E-05	5.32E-06	4.06E-02	1.28E-05	5.43E-06	4.05E-02	1.28E-05	5.42E-06
3040	479353.24, 3850443.52	3.69E-02	1.16E-05	4.94E-06	3.76E-02	1.19E-05	5.04E-06	3.76E-02	1.19E-05	5.03E-06
3041	479403.24, 3850443.52	3.43E-02	1.08E-05	4.60E-06	3.50E-02	1.11E-05	4.69E-06	3.50E-02	1.10E-05	4.68E-06
3042	479453.24, 3850443.52	3.20E-02	1.01E-05	4.29E-06	3.27E-02	1.03E-05	4.38E-06	3.27E-02	1.03E-05	4.37E-06
3043	479503.24, 3850443.52	2.99E-02	9.44E-06	4.01E-06	3.05E-02	9.64E-06	4.09E-06	3.05E-02	9.63E-06	4.08E-06
3044	480327.18, 3850987.04	4.77E-02	1.50E-05	6.38E-06	4.86E-02	1.54E-05	6.51E-06	4.86E-02	1.53E-05	6.51E-06
3045	480377.18, 3850987.04	4.34E-02	1.37E-05	5.81E-06	4.43E-02	1.40E-05	5.93E-06	4.42E-02	1.40E-05	5.92E-06
3046	480427.18, 3850987.04	3.98E-02	1.26E-05	5.33E-06	4.06E-02	1.28E-05	5.44E-06	4.06E-02	1.28E-05	5.43E-06
3047	480477.18, 3850987.04	3.67E-02	1.16E-05	4.91E-06	3.74E-02	1.18E-05	5.01E-06	3.74E-02	1.18E-05	5.01E-06
3048	480327.18, 3851037.04	6.14E-02	1.94E-05	8.22E-06	6.27E-02	1.98E-05	8.39E-06	6.26E-02	1.98E-05	8.38E-06
3049	480377.18, 3851037.04	5.43E-02	1.71E-05	7.27E-06	5.54E-02	1.75E-05	7.42E-06	5.54E-02	1.75E-05	7.41E-06
3050	480427.18, 3851037.04	4.86E-02	1.53E-05	6.51E-06	4.96E-02	1.57E-05	6.64E-06	4.95E-02	1.56E-05	6.63E-06
3051	480477.18, 3851037.04	4.39E-02	1.39E-05	5.88E-06	4.48E-02	1.41E-05	6.00E-06	4.47E-02	1.41E-05	5.99E-06
3052	480622.06, 3851087.39	4.06E-02	1.28E-05	5.44E-06	4.15E-02	1.31E-05	5.55E-06	4.14E-02	1.31E-05	5.55E-06
3053	480672.06, 3851087.39	3.74E-02	1.18E-05	5.00E-06	3.81E-02	1.20E-05	5.10E-06	3.81E-02	1.20E-05	5.10E-06
3054	480622.06, 3851137.39	5.01E-02	1.58E-05	6.70E-06	5.11E-02	1.61E-05	6.84E-06	5.10E-02	1.61E-05	6.83E-06
3055	480672.06, 3851137.39	4.50E-02	1.42E-05	6.02E-06	4.59E-02	1.45E-05	6.15E-06	4.58E-02	1.45E-05	6.14E-06
3056	480722.06, 3851137.39	4.10E-02	1.29E-05	5.49E-06	4.18E-02	1.32E-05	5.60E-06	4.18E-02	1.32E-05	5.59E-06
3057	480622.06, 3851187.39	6.61E-02	2.09E-05	8.85E-06	6.74E-02	2.13E-05	9.03E-06	6.74E-02	2.13E-05	9.02E-06
3058	480672.06, 3851187.39	5.71E-02	1.80E-05	7.65E-06	5.83E-02	1.84E-05	7.81E-06	5.82E-02	1.84E-05	7.80E-06
3059	480722.06, 3851187.39	5.05E-02	1.59E-05	6.77E-06	5.16E-02	1.63E-05	6.90E-06	5.15E-02	1.63E-05	6.90E-06
3060	471363.09, 3845877.25	2.60E-04	8.20E-08	3.48E-08	2.65E-04	8.37E-08	3.55E-08	2.65E-04	8.36E-08	3.55E-08
3061	471863.09, 3845877.25	2.52E-04	7.94E-08	3.37E-08	2.57E-04	8.10E-08	3.44E-08	2.56E-04	8.09E-08	3.43E-08
3062	472363.09, 3845877.25	3.26E-04	1.03E-07	4.36E-08	3.33E-04	1.05E-07	4.45E-08	3.32E-04	1.05E-07	4.45E-08
3063	472863.09, 3845877.25	2.45E-04	7.75E-08	3.29E-08	2.50E-04	7.91E-08	3.35E-08	2.50E-04	7.90E-08	3.35E-08
3064	473363.09, 3845877.25	2.58E-04	8.14E-08	3.45E-08	2.63E-04	8.30E-08	3.52E-08	2.63E-04	8.29E-08	3.52E-08
3065	473863.09, 3845877.25	2.70E-04	8.52E-08	3.61E-08	2.75E-04	8.69E-08	3.69E-08	2.75E-04	8.68E-08	3.68E-08
3066	474363.09, 3845877.25	3.14E-04	9.91E-08	4.21E-08	3.21E-04	1.01E-07	4.29E-08	3.20E-04	1.01E-07	4.29E-08
3067	474863.09, 3845877.25	3.66E-04	1.15E-07	4.90E-08	3.73E-04	1.18E-07	5.00E-08	3.73E-04	1.18E-07	4.99E-08
3068	475363.09, 3845877.25	4.23E-04	1.33E-07	5.66E-08	4.31E-04	1.36E-07	5.78E-08	4.31E-04	1.36E-07	5.77E-08
3069	475863.09, 3845877.25	4.36E-04	1.38E-07	5.84E-08	4.45E-04	1.40E-07	5.96E-08	4.44E-04	1.40E-07	5.95E-08
3070	476363.09, 3845877.25	4.08E-04	1.29E-07	5.47E-08	4.16E-04	1.31E-07	5.58E-08	4.16E-04	1.31E-07	5.57E-08
3071	476863.09, 3845877.25	3.81E-04	1.20E-07	5.10E-08	3.88E-04	1.23E-07	5.20E-08	3.88E-04	1.22E-07	5.20E-08
3072	477363.09, 3845877.25	3.80E-04	1.20E-07	5.09E-08	3.88E-04	1.22E-07	5.19E-08	3.87E-04	1.22E-07	5.18E-08
3073	477863.09, 3845877.25	3.60E-04	1.14E-07	4.83E-08	3.68E-04	1.16E-07	4.92E-08	3.67E-04	1.16E-07	4.92E-08
3074	478363.09, 3845877.25	3.69E-04	1.16E-07	4.94E-08	3.76E-04	1.19E-07	5.04E-08	3.76E-04	1.19E-07	5.03E-08
3075	478863.09, 3845877.25	3.75E-04	1.18E-07	5.03E-08	3.83E-04	1.21E-07	5.13E-08	3.83E-04	1.21E-07	5.12E-08
3076	479363.09, 3845877.25	4.00E-04	1.26E-07	5.36E-08	4.08E-04	1.29E-07	5.47E-08	4.08E-04	1.29E-07	5.46E-08

3077	479863.09, 3845877.25	4.03E-04	1.27E-07	5.39E-08	4.11E-04	1.30E-07	5.50E-08	4.10E-04	1.29E-07	5.49E-08
3078	480363.09, 3845877.25	3.74E-04	1.18E-07	5.00E-08	3.81E-04	1.20E-07	5.11E-08	3.81E-04	1.20E-07	5.10E-08
3079	480863.09, 3845877.25	3.67E-04	1.16E-07	4.92E-08	3.75E-04	1.18E-07	5.02E-08	3.74E-04	1.18E-07	5.01E-08
3080	481363.09, 3845877.25	3.64E-04	1.15E-07	4.87E-08	3.71E-04	1.17E-07	4.97E-08	3.71E-04	1.17E-07	4.96E-08
3081	481863.09, 3845877.25	3.49E-04	1.10E-07	4.67E-08	3.56E-04	1.12E-07	4.77E-08	3.56E-04	1.12E-07	4.76E-08
3082	482363.09, 3845877.25	3.28E-04	1.04E-07	4.40E-08	3.35E-04	1.06E-07	4.49E-08	3.35E-04	1.06E-07	4.48E-08
3083	482863.09, 3845877.25	2.65E-04	8.37E-08	3.55E-08	2.71E-04	8.54E-08	3.62E-08	2.70E-04	8.53E-08	3.62E-08
3084	483363.09, 3845877.25	2.40E-04	7.57E-08	3.21E-08	2.45E-04	7.72E-08	3.28E-08	2.44E-04	7.72E-08	3.27E-08
3085	483863.09, 3845877.25	3.04E-04	9.61E-08	4.08E-08	3.11E-04	9.80E-08	4.16E-08	3.10E-04	9.79E-08	4.15E-08
3086	484363.09, 3845877.25	3.10E-04	9.78E-08	4.15E-08	3.16E-04	9.98E-08	4.24E-08	3.16E-04	9.97E-08	4.23E-08
3087	484863.09, 3845877.25	3.04E-04	9.60E-08	4.07E-08	3.10E-04	9.79E-08	4.16E-08	3.10E-04	9.78E-08	4.15E-08
3088	485363.09, 3845877.25	2.91E-04	9.19E-08	3.90E-08	2.97E-04	9.38E-08	3.98E-08	2.97E-04	9.37E-08	3.97E-08
3089	485863.09, 3845877.25	3.01E-04	9.49E-08	4.02E-08	3.07E-04	9.68E-08	4.11E-08	3.06E-04	9.67E-08	4.10E-08
3090	486363.09, 3845877.25	2.97E-04	9.38E-08	3.98E-08	3.03E-04	9.58E-08	4.06E-08	3.03E-04	9.56E-08	4.06E-08
3091	486863.09, 3845877.25	2.78E-04	8.76E-08	3.72E-08	2.83E-04	8.94E-08	3.79E-08	2.83E-04	8.93E-08	3.79E-08
3092	487363.09, 3845877.25	2.74E-04	8.66E-08	3.67E-08	2.80E-04	8.84E-08	3.75E-08	2.80E-04	8.82E-08	3.74E-08
3093	487863.09, 3845877.25	2.56E-04	8.09E-08	3.43E-08	2.62E-04	8.26E-08	3.50E-08	2.61E-04	8.25E-08	3.50E-08
3094	488363.09, 3845877.25	2.49E-04	7.86E-08	3.33E-08	2.54E-04	8.02E-08	3.40E-08	2.54E-04	8.01E-08	3.40E-08
3095	488863.09, 3845877.25	2.88E-04	9.08E-08	3.85E-08	2.93E-04	9.26E-08	3.93E-08	2.93E-04	9.25E-08	3.93E-08
3096	489363.09, 3845877.25	2.86E-04	9.03E-08	3.83E-08	2.92E-04	9.21E-08	3.91E-08	2.92E-04	9.20E-08	3.91E-08
3097	489863.09, 3845877.25	2.67E-04	8.42E-08	3.57E-08	2.72E-04	8.59E-08	3.64E-08	2.72E-04	8.58E-08	3.64E-08
3098	490363.09, 3845877.25	2.40E-04	7.57E-08	3.21E-08	2.45E-04	7.72E-08	3.28E-08	2.44E-04	7.72E-08	3.27E-08
3099	490863.09, 3845877.25	1.93E-04	6.08E-08	2.58E-08	1.97E-04	6.21E-08	2.63E-08	1.96E-04	6.20E-08	2.63E-08
3100	491363.09, 3845877.25	2.17E-04	6.84E-08	2.90E-08	2.21E-04	6.98E-08	2.96E-08	2.21E-04	6.98E-08	2.96E-08
3101	491863.09, 3845877.25	2.31E-04	7.29E-08	3.09E-08	2.36E-04	7.44E-08	3.16E-08	2.35E-04	7.43E-08	3.15E-08
3102	492363.09, 3845877.25	1.96E-04	6.19E-08	2.63E-08	2.00E-04	6.32E-08	2.68E-08	2.00E-04	6.31E-08	2.68E-08
3103	492863.09, 3845877.25	2.39E-04	7.53E-08	3.20E-08	2.44E-04	7.69E-08	3.26E-08	2.43E-04	7.68E-08	3.26E-08
3104	493363.09, 3845877.25	2.53E-04	7.97E-08	3.38E-08	2.58E-04	8.13E-08	3.45E-08	2.57E-04	8.12E-08	3.45E-08
3105	493863.09, 3845877.25	2.66E-04	8.39E-08	3.56E-08	2.71E-04	8.56E-08	3.63E-08	2.71E-04	8.55E-08	3.63E-08
3106	494363.09, 3845877.25	2.74E-04	8.64E-08	3.67E-08	2.79E-04	8.82E-08	3.74E-08	2.79E-04	8.81E-08	3.74E-08
3107	494863.09, 3845877.25	2.76E-04	8.71E-08	3.70E-08	2.82E-04	8.89E-08	3.77E-08	2.81E-04	8.88E-08	3.77E-08
3108	495363.09, 3845877.25	2.84E-04	8.96E-08	3.80E-08	2.90E-04	9.14E-08	3.88E-08	2.89E-04	9.13E-08	3.87E-08
3109	495863.09, 3845877.25	2.92E-04	9.21E-08	3.91E-08	2.98E-04	9.40E-08	3.99E-08	2.97E-04	9.38E-08	3.98E-08
3110	496363.09, 3845877.25	2.99E-04	9.43E-08	4.00E-08	3.05E-04	9.62E-08	4.08E-08	3.05E-04	9.61E-08	4.08E-08
3111	496863.09, 3845877.25	2.98E-04	9.42E-08	4.00E-08	3.05E-04	9.61E-08	4.08E-08	3.04E-04	9.60E-08	4.07E-08
3112	497363.09, 3845877.25	2.98E-04	9.41E-08	3.99E-08	3.04E-04	9.60E-08	4.07E-08	3.04E-04	9.59E-08	4.07E-08
3113	497863.09, 3845877.25	2.99E-04	9.45E-08	4.01E-08	3.05E-04	9.64E-08	4.09E-08	3.05E-04	9.63E-08	4.09E-08
3114	498363.09, 3845877.25	2.97E-04	9.38E-08	3.98E-08	3.03E-04	9.58E-08	4.06E-08	3.03E-04	9.56E-08	4.06E-08
3115	471363.09, 3846377.25	6.55E-04	2.07E-07	8.77E-08	6.68E-04	2.11E-07	8.95E-08	6.67E-04	2.11E-07	8.94E-08
3116	471863.09, 3846377.25	5.87E-04	1.85E-07	7.86E-08	5.99E-04	1.89E-07	8.02E-08	5.98E-04	1.89E-07	8.01E-08
3117	472363.09, 3846377.25	3.08E-04	9.73E-08	4.13E-08	3.15E-04	9.93E-08	4.21E-08	3.14E-04	9.91E-08	4.21E-08
3118	472863.09, 3846377.25	3.46E-04	1.09E-07	4.63E-08	3.53E-04	1.11E-07	4.73E-08	3.53E-04	1.11E-07	4.72E-08
3119	473363.09, 3846377.25	3.46E-04	1.09E-07	4.64E-08	3.53E-04	1.12E-07	4.73E-08	3.53E-04	1.11E-07	4.73E-08
3120	473863.09, 3846377.25	3.98E-04	1.26E-07	5.33E-08	4.06E-04	1.28E-07	5.44E-08	4.06E-04	1.28E-07	5.43E-08
3121	474363.09, 3846377.25	4.19E-04	1.32E-07	5.61E-08	4.28E-04	1.35E-07	5.73E-08	4.27E-04	1.35E-07	5.72E-08
3122	474863.09, 3846377.25	4.77E-04	1.51E-07	6.39E-08	4.87E-04	1.54E-07	6.52E-08	4.86E-04	1.53E-07	6.51E-08
3123	475363.09, 3846377.25	5.45E-04	1.72E-07	7.30E-08	5.56E-04	1.75E-07	7.44E-08	5.55E-04	1.75E-07	7.44E-08
3124	475863.09, 3846377.25	6.29E-04	1.98E-07	8.42E-08	6.42E-04	2.03E-07	8.59E-08	6.41E-04	2.02E-07	8.58E-08
3125	476363.09, 3846377.25	6.18E-04	1.95E-07	8.28E-08	6.31E-04	1.99E-07	8.45E-08	6.30E-04	1.99E-07	8.44E-08
3126	476863.09, 3846377.25	6.12E-04	1.93E-07	8.19E-08	6.24E-04	1.97E-07	8.36E-08	6.23E-04	1.97E-07	8.35E-08
3127	477363.09, 3846377.25	6.15E-04	1.94E-07	8.24E-08	6.28E-04	1.98E-07	8.40E-08	6.27E-04	1.98E-07	8.39E-08
3128	477863.09, 3846377.25	5.95E-04	1.88E-07	7.96E-08	6.07E-04	1.92E-07	8.13E-08	6.06E-04	1.91E-07	8.12E-08
3129	478363.09, 3846377.25	5.87E-04	1.85E-07	7.86E-08	5.99E-04	1.89E-07	8.02E-08	5.99E-04	1.89E-07	8.02E-08
3130	478863.09, 3846377.25	6.14E-04	1.94E-07	8.22E-08	6.27E-04	1.98E-07	8.39E-08	6.26E-04	1.98E-07	8.38E-08
3131	479363.09, 3846377.25	6.21E-04	1.96E-07	8.31E-08	6.33E-04	2.00E-07	8.48E-08	6.32E-04	2.00E-07	8.47E-08
3132	479863.09, 3846377.25	6.04E-04	1.91E-07	8.09E-08	6.16E-04	1.94E-07	8.25E-08	6.15E-04	1.94E-07	8.24E-08
3133	480363.09, 3846377.25	6.12E-04	1.93E-07	8.19E-08	6.24E-04	1.97E-07	8.36E-08	6.23E-04	1.97E-07	8.35E-08
3134	480863.09, 3846377.25	5.51E-04	1.74E-07	7.37E-08	5.62E-04	1.77E-07	7.53E-08	5.61E-04	1.77E-07	7.52E-08
3135	481363.09, 3846377.25	5.45E-04	1.72E-07	7.30E-08	5.56E-04	1.76E-07	7.45E-08	5.56E-04	1.75E-07	7.44E-08
3136	481863.09, 3846377.25	5.14E-04	1.62E-07	6.88E-08	5.24E-04	1.66E-07	7.02E-08	5.24E-04	1.65E-07	7.01E-08
3137	482363.09, 3846377.25	4.69E-04	1.48E-07	6.27E-08	4.78E-04	1.51E-07	6.40E-08	4.78E-04	1.51E-07	6.39E-08
3138	482863.09, 3846377.25	4.00E-04	1.26E-07	5.36E-08	4.08E-04	1.29E-07	5.47E-08	4.08E-04	1.29E-07	5.46E-08
3139	483363.09, 3846377.25	4.25E-04	1.34E-07	5.69E-08	4.34E-04	1.37E-07	5.81E-08	4.33E-04	1.37E-07	5.80E-08
3140	483863.09, 3846377.25	4.22E-04	1.33E-07	5.65E-08	4.31E-04	1.36E-07	5.77E-08	4.30E-04	1.36E-07	5.76E-08
3141	484363.09, 3846377.25	3.87E-04	1.22E-07	5.18E-08	3.94E-04	1.25E-07	5.28E-08	3.94E-04	1.24E-07	5.28E-08
3142	484863.09, 3846377.25	4.28E-04	1.35E-07	5.73E-08	4.37E-04	1.38E-07	5.85E-08	4.36E-04	1.38E-07	5.84E-08
3143	485363.09, 3846377.25	4.28E-04	1.35E-07	5.74E-08	4.37E-04	1.38E-07	5.85E-08	4.37E-04	1.38E-07	5.85E-08
3144	485863.09, 3846377.25	3.99E-04	1.26E-07	5.35E-08	4.07E-04	1.29E-07	5.46E-08	4.07E-04	1.28E-07	5.45E-08
3145	486363.09, 3846377.25	3.37E-04	1.06E-07	4.51E-08	3.43E-04	1.08E-07	4.60E-08	3.43E-04	1.08E-07	4.59E-08
3146	486863.09, 3846377.25	3.20E-04	1.01E-07	4.29E-08	3.27E-04	1.03E-07	4.37E-08	3.26E-04	1.03E-07	4.37E-08

3147	487363.09, 3846377.25	3.31E-04	1.04E-07	4.43E-08	3.38E-04	1.07E-07	4.52E-08	3.37E-04	1.06E-07	4.52E-08
3148	487863.09, 3846377.25	3.69E-04	1.17E-07	4.94E-08	3.77E-04	1.19E-07	5.05E-08	3.76E-04	1.19E-07	5.04E-08
3149	488363.09, 3846377.25	3.60E-04	1.14E-07	4.83E-08	3.68E-04	1.16E-07	4.92E-08	3.67E-04	1.16E-07	4.92E-08
3150	488863.09, 3846377.25	3.56E-04	1.12E-07	4.77E-08	3.63E-04	1.15E-07	4.86E-08	3.63E-04	1.15E-07	4.86E-08
3151	489363.09, 3846377.25	3.49E-04	1.10E-07	4.68E-08	3.56E-04	1.12E-07	4.77E-08	3.56E-04	1.12E-07	4.77E-08
3152	489863.09, 3846377.25	3.26E-04	1.03E-07	4.36E-08	3.33E-04	1.05E-07	4.45E-08	3.32E-04	1.05E-07	4.45E-08
3153	490363.09, 3846377.25	2.64E-04	8.33E-08	3.54E-08	2.69E-04	8.50E-08	3.61E-08	2.69E-04	8.49E-08	3.60E-08
3154	490863.09, 3846377.25	2.40E-04	7.58E-08	3.22E-08	2.45E-04	7.73E-08	3.28E-08	2.45E-04	7.73E-08	3.28E-08
3155	491363.09, 3846377.25	2.35E-04	7.40E-08	3.14E-08	2.39E-04	7.55E-08	3.21E-08	2.39E-04	7.55E-08	3.20E-08
3156	491863.09, 3846377.25	2.73E-04	8.60E-08	3.65E-08	2.78E-04	8.78E-08	3.72E-08	2.78E-04	8.77E-08	3.72E-08
3157	492363.09, 3846377.25	2.61E-04	8.23E-08	3.49E-08	2.66E-04	8.40E-08	3.56E-08	2.66E-04	8.39E-08	3.56E-08
3158	492863.09, 3846377.25	2.63E-04	8.30E-08	3.52E-08	2.68E-04	8.47E-08	3.59E-08	2.68E-04	8.46E-08	3.59E-08
3159	493363.09, 3846377.25	2.90E-04	9.14E-08	3.88E-08	2.96E-04	9.33E-08	3.96E-08	2.95E-04	9.32E-08	3.95E-08
3160	493863.09, 3846377.25	3.01E-04	9.50E-08	4.03E-08	3.07E-04	9.69E-08	4.11E-08	3.07E-04	9.68E-08	4.11E-08
3161	494363.09, 3846377.25	3.09E-04	9.75E-08	4.14E-08	3.15E-04	9.95E-08	4.22E-08	3.15E-04	9.93E-08	4.21E-08
3162	494863.09, 3846377.25	3.14E-04	9.90E-08	4.20E-08	3.20E-04	1.01E-07	4.29E-08	3.20E-04	1.01E-07	4.28E-08
3163	495363.09, 3846377.25	3.17E-04	1.00E-07	4.25E-08	3.24E-04	1.02E-07	4.34E-08	3.23E-04	1.02E-07	4.33E-08
3164	495863.09, 3846377.25	3.25E-04	1.03E-07	4.36E-08	3.32E-04	1.05E-07	4.45E-08	3.32E-04	1.05E-07	4.44E-08
3165	496363.09, 3846377.25	3.32E-04	1.05E-07	4.44E-08	3.39E-04	1.07E-07	4.53E-08	3.38E-04	1.07E-07	4.53E-08
3166	496863.09, 3846377.25	3.35E-04	1.06E-07	4.49E-08	3.42E-04	1.08E-07	4.58E-08	3.41E-04	1.08E-07	4.57E-08
3167	497363.09, 3846377.25	3.36E-04	1.06E-07	4.50E-08	3.43E-04	1.08E-07	4.59E-08	3.42E-04	1.08E-07	4.58E-08
3168	497863.09, 3846377.25	3.33E-04	1.05E-07	4.46E-08	3.40E-04	1.07E-07	4.55E-08	3.39E-04	1.07E-07	4.54E-08
3169	498363.09, 3846377.25	3.27E-04	1.03E-07	4.38E-08	3.34E-04	1.05E-07	4.47E-08	3.34E-04	1.05E-07	4.47E-08
3170	471363.09, 3846877.25	7.12E-04	2.25E-07	9.53E-08	7.26E-04	2.29E-07	9.73E-08	7.26E-04	2.29E-07	9.72E-08
3171	471863.09, 3846877.25	8.41E-04	2.65E-07	1.13E-07	8.58E-04	2.71E-07	1.15E-07	8.57E-04	2.71E-07	1.15E-07
3172	472363.09, 3846877.25	9.14E-04	2.88E-07	1.22E-07	9.33E-04	2.94E-07	1.25E-07	9.32E-04	2.94E-07	1.25E-07
3173	472863.09, 3846877.25	4.05E-04	1.28E-07	5.43E-08	4.14E-04	1.31E-07	5.54E-08	4.13E-04	1.30E-07	5.53E-08
3174	473363.09, 3846877.25	5.11E-04	1.61E-07	6.84E-08	5.21E-04	1.65E-07	6.98E-08	5.21E-04	1.64E-07	6.97E-08
3175	473863.09, 3846877.25	6.15E-04	1.94E-07	8.23E-08	6.27E-04	1.98E-07	8.40E-08	6.26E-04	1.98E-07	8.39E-08
3176	474363.09, 3846877.25	6.07E-04	1.92E-07	8.13E-08	6.19E-04	1.95E-07	8.29E-08	6.19E-04	1.95E-07	8.28E-08
3177	474863.09, 3846877.25	6.35E-04	2.00E-07	8.50E-08	6.48E-04	2.05E-07	8.68E-08	6.47E-04	2.04E-07	8.67E-08
3178	475363.09, 3846877.25	6.76E-04	2.13E-07	9.06E-08	6.90E-04	2.18E-07	9.24E-08	6.89E-04	2.18E-07	9.23E-08
3179	475863.09, 3846877.25	9.27E-04	2.93E-07	1.24E-07	9.46E-04	2.99E-07	1.27E-07	9.45E-04	2.98E-07	1.27E-07
3180	476363.09, 3846877.25	1.08E-03	3.39E-07	1.44E-07	1.10E-03	3.46E-07	1.47E-07	1.10E-03	3.46E-07	1.47E-07
3181	476863.09, 3846877.25	1.08E-03	3.41E-07	1.45E-07	1.10E-03	3.48E-07	1.48E-07	1.10E-03	3.47E-07	1.47E-07
3182	477363.09, 3846877.25	1.08E-03	3.42E-07	1.45E-07	1.10E-03	3.49E-07	1.48E-07	1.10E-03	3.48E-07	1.48E-07
3183	477863.09, 3846877.25	1.04E-03	3.28E-07	1.39E-07	1.06E-03	3.34E-07	1.42E-07	1.06E-03	3.34E-07	1.42E-07
3184	478363.09, 3846877.25	1.02E-03	3.21E-07	1.36E-07	1.04E-03	3.28E-07	1.39E-07	1.04E-03	3.27E-07	1.39E-07
3185	478863.09, 3846877.25	1.03E-03	3.24E-07	1.38E-07	1.05E-03	3.31E-07	1.40E-07	1.05E-03	3.31E-07	1.40E-07
3186	479363.09, 3846877.25	9.87E-04	3.12E-07	1.32E-07	1.01E-03	3.18E-07	1.35E-07	1.01E-03	3.18E-07	1.35E-07
3187	479863.09, 3846877.25	8.30E-04	2.62E-07	1.11E-07	8.47E-04	2.67E-07	1.13E-07	8.46E-04	2.67E-07	1.13E-07
3188	480363.09, 3846877.25	7.39E-04	2.33E-07	9.90E-08	7.54E-04	2.38E-07	1.01E-07	7.54E-04	2.38E-07	1.01E-07
3189	480863.09, 3846877.25	7.01E-04	2.21E-07	9.39E-08	7.16E-04	2.26E-07	9.58E-08	7.15E-04	2.26E-07	9.57E-08
3190	481363.09, 3846877.25	7.30E-04	2.30E-07	9.77E-08	7.45E-04	2.35E-07	9.97E-08	7.44E-04	2.35E-07	9.96E-08
3191	481863.09, 3846877.25	7.13E-04	2.25E-07	9.55E-08	7.27E-04	2.30E-07	9.74E-08	7.26E-04	2.29E-07	9.73E-08
3192	482363.09, 3846877.25	6.25E-04	1.97E-07	8.37E-08	6.38E-04	2.01E-07	8.54E-08	6.37E-04	2.01E-07	8.53E-08
3193	482863.09, 3846877.25	6.09E-04	1.92E-07	8.15E-08	6.21E-04	1.96E-07	8.32E-08	6.20E-04	1.96E-07	8.31E-08
3194	483363.09, 3846877.25	5.91E-04	1.86E-07	7.91E-08	6.03E-04	1.90E-07	8.07E-08	6.02E-04	1.90E-07	8.06E-08
3195	483863.09, 3846877.25	5.77E-04	1.82E-07	7.73E-08	5.89E-04	1.86E-07	7.89E-08	5.88E-04	1.86E-07	7.88E-08
3196	484363.09, 3846877.25	5.77E-04	1.82E-07	7.73E-08	5.89E-04	1.86E-07	7.89E-08	5.88E-04	1.86E-07	7.88E-08
3197	484863.09, 3846877.25	5.58E-04	1.76E-07	7.47E-08	5.69E-04	1.80E-07	7.63E-08	5.69E-04	1.80E-07	7.62E-08
3198	485363.09, 3846877.25	5.58E-04	1.76E-07	7.47E-08	5.69E-04	1.80E-07	7.62E-08	5.69E-04	1.79E-07	7.61E-08
3199	485863.09, 3846877.25	5.25E-04	1.66E-07	7.03E-08	5.36E-04	1.69E-07	7.18E-08	5.35E-04	1.69E-07	7.17E-08
3200	486363.09, 3846877.25	5.47E-04	1.73E-07	7.32E-08	5.58E-04	1.76E-07	7.47E-08	5.57E-04	1.76E-07	7.46E-08
3201	486863.09, 3846877.25	4.64E-04	1.46E-07	6.21E-08	4.74E-04	1.49E-07	6.34E-08	4.73E-04	1.49E-07	6.33E-08
3202	487363.09, 3846877.25	4.71E-04	1.49E-07	6.31E-08	4.81E-04	1.52E-07	6.44E-08	4.80E-04	1.52E-07	6.43E-08
3203	487863.09, 3846877.25	4.62E-04	1.46E-07	6.19E-08	4.72E-04	1.49E-07	6.32E-08	4.71E-04	1.49E-07	6.31E-08
3204	488363.09, 3846877.25	4.43E-04	1.40E-07	5.93E-08	4.52E-04	1.43E-07	6.05E-08	4.51E-04	1.42E-07	6.04E-08
3205	488863.09, 3846877.25	4.36E-04	1.38E-07	5.84E-08	4.45E-04	1.41E-07	5.96E-08	4.45E-04	1.40E-07	5.96E-08
3206	489363.09, 3846877.25	4.29E-04	1.35E-07	5.74E-08	4.37E-04	1.38E-07	5.86E-08	4.37E-04	1.38E-07	5.85E-08
3207	489863.09, 3846877.25	4.02E-04	1.27E-07	5.39E-08	4.10E-04	1.30E-07	5.50E-08	4.10E-04	1.29E-07	5.49E-08
3208	490363.09, 3846877.25	3.37E-04	1.06E-07	4.51E-08	3.43E-04	1.08E-07	4.60E-08	3.43E-04	1.08E-07	4.59E-08
3209	490863.09, 3846877.25	3.17E-04	1.00E-07	4.25E-08	3.24E-04	1.02E-07	4.33E-08	3.23E-04	1.02E-07	4.33E-08
3210	491363.09, 3846877.25	3.12E-04	9.84E-08	4.17E-08	3.18E-04	1.00E-07	4.26E-08	3.18E-04	1.00E-07	4.25E-08
3211	491863.09, 3846877.25	2.88E-04	9.10E-08	3.86E-08	2.94E-04	9.29E-08	3.94E-08	2.94E-04	9.28E-08	3.94E-08
3212	492363.09, 3846877.25	3.31E-04	1.04E-07	4.43E-08	3.38E-04	1.07E-07	4.52E-08	3.37E-04	1.06E-07	4.52E-08
3213	492863.09, 3846877.25	3.31E-04	1.04E-07	4.43E-08	3.37E-04	1.06E-07	4.52E-08	3.37E-04	1.06E-07	4.51E-08
3214	493363.09, 3846877.25	3.42E-04	1.08E-07	4.57E-08	3.48E-04	1.10E-07	4.67E-08	3.48E-04	1.10E-07	4.66E-08
3215	493863.09, 3846877.25	3.46E-04	1.09E-07	4.63E-08	3.53E-04	1.11E-07	4.72E-08	3.52E-04	1.11E-07	4.72E-08
3216	494363.09, 3846877.25	3.43E-04	1.08E-07	4.60E-08	3.50E-04	1.11E-07	4.69E-08	3.50E-04	1.10E-07	4.69E-08

3217	494863.09, 3846877.25	3.44E-04	1.09E-07	4.61E-08	3.51E-04	1.11E-07	4.71E-08	3.51E-04	1.11E-07	4.70E-08
3218	495363.09, 3846877.25	3.44E-04	1.09E-07	4.61E-08	3.51E-04	1.11E-07	4.70E-08	3.51E-04	1.11E-07	4.70E-08
3219	495863.09, 3846877.25	3.44E-04	1.09E-07	4.60E-08	3.51E-04	1.11E-07	4.70E-08	3.50E-04	1.11E-07	4.69E-08
3220	496363.09, 3846877.25	3.45E-04	1.09E-07	4.62E-08	3.52E-04	1.11E-07	4.72E-08	3.52E-04	1.11E-07	4.71E-08
3221	496863.09, 3846877.25	3.52E-04	1.11E-07	4.71E-08	3.59E-04	1.13E-07	4.81E-08	3.59E-04	1.13E-07	4.80E-08
3222	497363.09, 3846877.25	3.63E-04	1.15E-07	4.86E-08	3.70E-04	1.17E-07	4.96E-08	3.70E-04	1.17E-07	4.95E-08
3223	497863.09, 3846877.25	3.69E-04	1.16E-07	4.94E-08	3.76E-04	1.19E-07	5.04E-08	3.76E-04	1.19E-07	5.03E-08
3224	498363.09, 3846877.25	3.58E-04	1.13E-07	4.80E-08	3.66E-04	1.15E-07	4.90E-08	3.65E-04	1.15E-07	4.89E-08
3225	471363.09, 3847377.25	8.48E-04	2.68E-07	1.14E-07	8.65E-04	2.73E-07	1.16E-07	8.64E-04	2.73E-07	1.16E-07
3226	471863.09, 3847377.25	9.72E-04	3.07E-07	1.30E-07	9.92E-04	3.13E-07	1.33E-07	9.90E-04	3.13E-07	1.33E-07
3227	472363.09, 3847377.25	1.17E-03	3.69E-07	1.56E-07	1.19E-03	3.76E-07	1.60E-07	1.19E-03	3.76E-07	1.59E-07
3228	472863.09, 3847377.25	1.47E-03	4.65E-07	1.97E-07	1.50E-03	4.75E-07	2.02E-07	1.50E-03	4.74E-07	2.01E-07
3229	473363.09, 3847377.25	1.01E-03	3.20E-07	1.36E-07	1.03E-03	3.26E-07	1.38E-07	1.03E-03	3.26E-07	1.38E-07
3230	473863.09, 3847377.25	1.03E-03	3.24E-07	1.37E-07	1.05E-03	3.31E-07	1.40E-07	1.05E-03	3.30E-07	1.40E-07
3231	474363.09, 3847377.25	1.18E-03	3.73E-07	1.58E-07	1.21E-03	3.81E-07	1.62E-07	1.20E-03	3.80E-07	1.61E-07
3232	474863.09, 3847377.25	1.26E-03	3.99E-07	1.69E-07	1.29E-03	4.07E-07	1.73E-07	1.29E-03	4.07E-07	1.73E-07
3233	475363.09, 3847377.25	1.40E-03	4.43E-07	1.88E-07	1.43E-03	4.52E-07	1.92E-07	1.43E-03	4.51E-07	1.91E-07
3234	475863.09, 3847377.25	1.88E-03	5.95E-07	2.52E-07	1.92E-03	6.07E-07	2.57E-07	1.92E-03	6.06E-07	2.57E-07
3235	476363.09, 3847377.25	2.25E-03	7.09E-07	3.01E-07	2.29E-03	7.24E-07	3.07E-07	2.29E-03	7.23E-07	3.07E-07
3236	476863.09, 3847377.25	2.10E-03	6.63E-07	2.81E-07	2.14E-03	6.76E-07	2.87E-07	2.14E-03	6.76E-07	2.87E-07
3237	477363.09, 3847377.25	2.01E-03	6.35E-07	2.69E-07	2.05E-03	6.48E-07	2.75E-07	2.05E-03	6.47E-07	2.74E-07
3238	477863.09, 3847377.25	1.84E-03	5.82E-07	2.47E-07	1.88E-03	5.94E-07	2.52E-07	1.88E-03	5.93E-07	2.52E-07
3239	478363.09, 3847377.25	1.75E-03	5.51E-07	2.34E-07	1.78E-03	5.63E-07	2.39E-07	1.78E-03	5.62E-07	2.38E-07
3240	478863.09, 3847377.25	1.69E-03	5.32E-07	2.26E-07	1.72E-03	5.43E-07	2.30E-07	1.72E-03	5.43E-07	2.30E-07
3241	479363.09, 3847377.25	1.40E-03	4.43E-07	1.88E-07	1.43E-03	4.52E-07	1.92E-07	1.43E-03	4.51E-07	1.91E-07
3242	479863.09, 3847377.25	1.09E-03	3.44E-07	1.46E-07	1.11E-03	3.51E-07	1.49E-07	1.11E-03	3.51E-07	1.49E-07
3243	480363.09, 3847377.25	8.19E-04	2.59E-07	1.10E-07	8.36E-04	2.64E-07	1.12E-07	8.35E-04	2.64E-07	1.12E-07
3244	480863.09, 3847377.25	7.37E-04	2.33E-07	9.87E-08	7.52E-04	2.37E-07	1.01E-07	7.51E-04	2.37E-07	1.01E-07
3245	481363.09, 3847377.25	8.05E-04	2.54E-07	1.08E-07	8.22E-04	2.59E-07	1.10E-07	8.21E-04	2.59E-07	1.10E-07
3246	481863.09, 3847377.25	9.65E-04	3.05E-07	1.29E-07	9.85E-04	3.11E-07	1.32E-07	9.84E-04	3.11E-07	1.32E-07
3247	482363.09, 3847377.25	9.24E-04	2.92E-07	1.24E-07	9.43E-04	2.98E-07	1.26E-07	9.42E-04	2.97E-07	1.26E-07
3248	482863.09, 3847377.25	8.57E-04	2.71E-07	1.15E-07	8.75E-04	2.76E-07	1.17E-07	8.74E-04	2.76E-07	1.17E-07
3249	483363.09, 3847377.25	7.95E-04	2.51E-07	1.06E-07	8.11E-04	2.56E-07	1.09E-07	8.10E-04	2.56E-07	1.09E-07
3250	483863.09, 3847377.25	7.73E-04	2.44E-07	1.04E-07	7.89E-04	2.49E-07	1.06E-07	7.88E-04	2.49E-07	1.05E-07
3251	484363.09, 3847377.25	7.95E-04	2.51E-07	1.06E-07	8.12E-04	2.56E-07	1.09E-07	8.11E-04	2.56E-07	1.09E-07
3252	484863.09, 3847377.25	7.56E-04	2.38E-07	1.01E-07	7.71E-04	2.43E-07	1.03E-07	7.70E-04	2.43E-07	1.03E-07
3253	485363.09, 3847377.25	7.35E-04	2.32E-07	9.84E-08	7.50E-04	2.37E-07	1.00E-07	7.49E-04	2.36E-07	1.00E-07
3254	485863.09, 3847377.25	7.31E-04	2.31E-07	9.79E-08	7.46E-04	2.36E-07	9.99E-08	7.45E-04	2.35E-07	9.98E-08
3255	486363.09, 3847377.25	7.24E-04	2.29E-07	9.70E-08	7.39E-04	2.33E-07	9.89E-08	7.38E-04	2.33E-07	9.88E-08
3256	486863.09, 3847377.25	6.42E-04	2.03E-07	8.59E-08	6.55E-04	2.07E-07	8.77E-08	6.54E-04	2.06E-07	8.76E-08
3257	487363.09, 3847377.25	6.38E-04	2.01E-07	8.54E-08	6.51E-04	2.05E-07	8.72E-08	6.50E-04	2.05E-07	8.71E-08
3258	487863.09, 3847377.25	5.80E-04	1.83E-07	7.77E-08	5.92E-04	1.87E-07	7.93E-08	5.92E-04	1.87E-07	7.92E-08
3259	488363.09, 3847377.25	5.55E-04	1.75E-07	7.43E-08	5.66E-04	1.79E-07	7.59E-08	5.66E-04	1.79E-07	7.58E-08
3260	488863.09, 3847377.25	5.40E-04	1.70E-07	7.22E-08	5.51E-04	1.74E-07	7.37E-08	5.50E-04	1.74E-07	7.36E-08
3261	489363.09, 3847377.25	5.25E-04	1.66E-07	7.04E-08	5.36E-04	1.69E-07	7.18E-08	5.35E-04	1.69E-07	7.17E-08
3262	489863.09, 3847377.25	4.77E-04	1.50E-07	6.38E-08	4.87E-04	1.54E-07	6.51E-08	4.86E-04	1.53E-07	6.51E-08
3263	490363.09, 3847377.25	4.32E-04	1.36E-07	5.78E-08	4.41E-04	1.39E-07	5.90E-08	4.40E-04	1.39E-07	5.90E-08
3264	490863.09, 3847377.25	4.17E-04	1.32E-07	5.59E-08	4.26E-04	1.34E-07	5.70E-08	4.25E-04	1.34E-07	5.69E-08
3265	491363.09, 3847377.25	3.97E-04	1.25E-07	5.32E-08	4.05E-04	1.28E-07	5.42E-08	4.05E-04	1.28E-07	5.42E-08
3266	491863.09, 3847377.25	4.14E-04	1.31E-07	5.54E-08	4.22E-04	1.33E-07	5.66E-08	4.22E-04	1.33E-07	5.65E-08
3267	492363.09, 3847377.25	3.94E-04	1.24E-07	5.28E-08	4.02E-04	1.27E-07	5.39E-08	4.02E-04	1.27E-07	5.38E-08
3268	492863.09, 3847377.25	3.98E-04	1.26E-07	5.33E-08	4.06E-04	1.28E-07	5.44E-08	4.06E-04	1.28E-07	5.43E-08
3269	493363.09, 3847377.25	3.95E-04	1.25E-07	5.28E-08	4.03E-04	1.27E-07	5.39E-08	4.02E-04	1.27E-07	5.39E-08
3270	493863.09, 3847377.25	3.77E-04	1.19E-07	5.05E-08	3.85E-04	1.21E-07	5.15E-08	3.84E-04	1.21E-07	5.14E-08
3271	494363.09, 3847377.25	3.62E-04	1.14E-07	4.85E-08	3.70E-04	1.17E-07	4.95E-08	3.69E-04	1.16E-07	4.94E-08
3272	494863.09, 3847377.25	3.55E-04	1.12E-07	4.76E-08	3.63E-04	1.14E-07	4.86E-08	3.62E-04	1.14E-07	4.85E-08
3273	495363.09, 3847377.25	3.49E-04	1.10E-07	4.67E-08	3.56E-04	1.12E-07	4.77E-08	3.56E-04	1.12E-07	4.76E-08
3274	495863.09, 3847377.25	3.49E-04	1.10E-07	4.67E-08	3.56E-04	1.12E-07	4.76E-08	3.55E-04	1.12E-07	4.76E-08
3275	496363.09, 3847377.25	3.46E-04	1.09E-07	4.63E-08	3.53E-04	1.11E-07	4.73E-08	3.53E-04	1.11E-07	4.72E-08
3276	496863.09, 3847377.25	3.56E-04	1.12E-07	4.77E-08	3.64E-04	1.15E-07	4.87E-08	3.63E-04	1.15E-07	4.86E-08
3277	497363.09, 3847377.25	3.74E-04	1.18E-07	5.01E-08	3.82E-04	1.21E-07	5.11E-08	3.81E-04	1.20E-07	5.11E-08
3278	497863.09, 3847377.25	3.97E-04	1.25E-07	5.32E-08	4.05E-04	1.28E-07	5.42E-08	4.05E-04	1.28E-07	5.42E-08
3279	498363.09, 3847377.25	3.93E-04	1.24E-07	5.26E-08	4.01E-04	1.27E-07	5.37E-08	4.01E-04	1.26E-07	5.36E-08
3280	471363.09, 3847877.25	1.01E-03	3.20E-07	1.36E-07	1.04E-03	3.27E-07	1.39E-07	1.03E-03	3.26E-07	1.39E-07
3281	471863.09, 3847877.25	1.20E-03	3.80E-07	1.61E-07	1.23E-03	3.88E-07	1.65E-07	1.23E-03	3.88E-07	1.64E-07
3282	472363.09, 3847877.25	1.47E-03	4.65E-07	1.97E-07	1.50E-03	4.75E-07	2.01E-07	1.50E-03	4.74E-07	2.01E-07
3283	472863.09, 3847877.25	1.96E-03	6.19E-07	2.63E-07	2.00E-03	6.32E-07	2.68E-07	2.00E-03	6.31E-07	2.68E-07
3284	473363.09, 3847877.25	3.21E-03	1.01E-06	4.29E-07	3.27E-03	1.03E-06	4.38E-07	3.27E-03	1.03E-06	4.38E-07
3285	473863.09, 3847877.25	1.97E-02	6.22E-06	2.64E-06	2.01E-02	6.35E-06	2.69E-06	2.01E-02	6.34E-06	2.69E-06
3286	474363.09, 3847877.25	8.70E-03	2.75E-06	1.17E-06	8.88E-03	2.80E-06	1.19E-06	8.87E-03	2.80E-06	1.19E-06

3287	474863.09, 3847877.25	7.15E-03	2.26E-06	9.58E-07	7.30E-03	2.30E-06	9.77E-07	7.29E-03	2.30E-06	9.76E-07
3288	475363.09, 3847877.25	4.94E-03	1.56E-06	6.62E-07	5.04E-03	1.59E-06	6.75E-07	5.04E-03	1.59E-06	6.75E-07
3289	475863.09, 3847877.25	3.87E-03	1.22E-06	5.18E-07	3.95E-03	1.25E-06	5.29E-07	3.94E-03	1.25E-06	5.28E-07
3290	476363.09, 3847877.25	4.38E-03	1.38E-06	5.86E-07	4.47E-03	1.41E-06	5.98E-07	4.46E-03	1.41E-06	5.98E-07
3291	476863.09, 3847877.25	3.96E-03	1.25E-06	5.30E-07	4.04E-03	1.27E-06	5.41E-07	4.03E-03	1.27E-06	5.40E-07
3292	477363.09, 3847877.25	3.53E-03	1.11E-06	4.73E-07	3.60E-03	1.14E-06	4.83E-07	3.60E-03	1.14E-06	4.82E-07
3293	477863.09, 3847877.25	3.17E-03	9.99E-07	4.24E-07	3.23E-03	1.02E-06	4.33E-07	3.23E-03	1.02E-06	4.32E-07
3294	478363.09, 3847877.25	2.83E-03	8.93E-07	3.79E-07	2.89E-03	9.12E-07	3.87E-07	2.88E-03	9.10E-07	3.86E-07
3295	478863.09, 3847877.25	2.59E-03	8.18E-07	3.47E-07	2.64E-03	8.35E-07	3.54E-07	2.64E-03	8.34E-07	3.54E-07
3296	479363.09, 3847877.25	1.92E-03	6.06E-07	2.57E-07	1.96E-03	6.19E-07	2.62E-07	1.96E-03	6.18E-07	2.62E-07
3297	479863.09, 3847877.25	1.23E-03	3.89E-07	1.65E-07	1.26E-03	3.97E-07	1.69E-07	1.26E-03	3.97E-07	1.68E-07
3298	480363.09, 3847877.25	1.26E-03	3.97E-07	1.68E-07	1.28E-03	4.05E-07	1.72E-07	1.28E-03	4.05E-07	1.72E-07
3299	480863.09, 3847877.25	1.11E-03	3.49E-07	1.48E-07	1.13E-03	3.56E-07	1.51E-07	1.13E-03	3.56E-07	1.51E-07
3300	481363.09, 3847877.25	1.09E-03	3.44E-07	1.46E-07	1.11E-03	3.51E-07	1.49E-07	1.11E-03	3.51E-07	1.49E-07
3301	481863.09, 3847877.25	1.36E-03	4.31E-07	1.83E-07	1.39E-03	4.39E-07	1.86E-07	1.39E-03	4.39E-07	1.86E-07
3302	482363.09, 3847877.25	1.27E-03	4.00E-07	1.70E-07	1.29E-03	4.08E-07	1.73E-07	1.29E-03	4.07E-07	1.73E-07
3303	482863.09, 3847877.25	1.14E-03	3.61E-07	1.53E-07	1.17E-03	3.68E-07	1.56E-07	1.17E-03	3.68E-07	1.56E-07
3304	483363.09, 3847877.25	1.06E-03	3.36E-07	1.43E-07	1.09E-03	3.43E-07	1.46E-07	1.09E-03	3.43E-07	1.45E-07
3305	483863.09, 3847877.25	1.03E-03	3.26E-07	1.38E-07	1.05E-03	3.32E-07	1.41E-07	1.05E-03	3.32E-07	1.41E-07
3306	484363.09, 3847877.25	1.04E-03	3.28E-07	1.39E-07	1.06E-03	3.34E-07	1.42E-07	1.06E-03	3.34E-07	1.42E-07
3307	484863.09, 3847877.25	9.96E-04	3.14E-07	1.33E-07	1.02E-03	3.21E-07	1.36E-07	1.01E-03	3.20E-07	1.36E-07
3308	485363.09, 3847877.25	9.83E-04	3.10E-07	1.32E-07	1.00E-03	3.17E-07	1.34E-07	1.00E-03	3.16E-07	1.34E-07
3309	485863.09, 3847877.25	9.70E-04	3.06E-07	1.30E-07	9.90E-04	3.12E-07	1.33E-07	9.88E-04	3.12E-07	1.32E-07
3310	486363.09, 3847877.25	8.92E-04	2.81E-07	1.19E-07	9.10E-04	2.87E-07	1.22E-07	9.09E-04	2.87E-07	1.22E-07
3311	486863.09, 3847877.25	8.30E-04	2.62E-07	1.11E-07	8.47E-04	2.67E-07	1.13E-07	8.46E-04	2.67E-07	1.13E-07
3312	487363.09, 3847877.25	7.85E-04	2.48E-07	1.05E-07	8.01E-04	2.53E-07	1.07E-07	8.00E-04	2.53E-07	1.07E-07
3313	487863.09, 3847877.25	7.20E-04	2.27E-07	9.65E-08	7.35E-04	2.32E-07	9.84E-08	7.34E-04	2.32E-07	9.83E-08
3314	488363.09, 3847877.25	6.84E-04	2.16E-07	9.15E-08	6.98E-04	2.20E-07	9.34E-08	6.97E-04	2.20E-07	9.33E-08
3315	488863.09, 3847877.25	6.62E-04	2.09E-07	8.86E-08	6.75E-04	2.13E-07	9.04E-08	6.74E-04	2.13E-07	9.03E-08
3316	489363.09, 3847877.25	6.40E-04	2.02E-07	8.57E-08	6.53E-04	2.06E-07	8.75E-08	6.53E-04	2.06E-07	8.74E-08
3317	489863.09, 3847877.25	6.43E-04	2.03E-07	8.61E-08	6.56E-04	2.07E-07	8.79E-08	6.56E-04	2.07E-07	8.78E-08
3318	490363.09, 3847877.25	6.12E-04	1.93E-07	8.20E-08	6.25E-04	1.97E-07	8.36E-08	6.24E-04	1.97E-07	8.35E-08
3319	490863.09, 3847877.25	5.70E-04	1.80E-07	7.63E-08	5.81E-04	1.83E-07	7.78E-08	5.81E-04	1.83E-07	7.77E-08
3320	491363.09, 3847877.25	5.10E-04	1.61E-07	6.83E-08	5.20E-04	1.64E-07	6.97E-08	5.20E-04	1.64E-07	6.96E-08
3321	491863.09, 3847877.25	4.90E-04	1.55E-07	6.57E-08	5.00E-04	1.58E-07	6.70E-08	5.00E-04	1.58E-07	6.69E-08
3322	492363.09, 3847877.25	4.78E-04	1.51E-07	6.40E-08	4.88E-04	1.54E-07	6.53E-08	4.87E-04	1.54E-07	6.53E-08
3323	492863.09, 3847877.25	4.59E-04	1.45E-07	6.15E-08	4.69E-04	1.48E-07	6.28E-08	4.68E-04	1.48E-07	6.27E-08
3324	493363.09, 3847877.25	4.15E-04	1.31E-07	5.56E-08	4.24E-04	1.34E-07	5.68E-08	4.23E-04	1.34E-07	5.67E-08
3325	493863.09, 3847877.25	3.86E-04	1.22E-07	5.17E-08	3.94E-04	1.24E-07	5.27E-08	3.93E-04	1.24E-07	5.27E-08
3326	494363.09, 3847877.25	3.71E-04	1.17E-07	4.96E-08	3.78E-04	1.19E-07	5.07E-08	3.78E-04	1.19E-07	5.06E-08
3327	494863.09, 3847877.25	3.62E-04	1.14E-07	4.85E-08	3.70E-04	1.17E-07	4.95E-08	3.69E-04	1.17E-07	4.95E-08
3328	495363.09, 3847877.25	3.44E-04	1.09E-07	4.61E-08	3.51E-04	1.11E-07	4.70E-08	3.51E-04	1.11E-07	4.70E-08
3329	495863.09, 3847877.25	2.90E-04	9.16E-08	3.89E-08	2.96E-04	9.35E-08	3.97E-08	2.96E-04	9.34E-08	3.96E-08
3330	496363.09, 3847877.25	3.40E-04	1.07E-07	4.55E-08	3.47E-04	1.09E-07	4.64E-08	3.46E-04	1.09E-07	4.64E-08
3331	496863.09, 3847877.25	3.49E-04	1.10E-07	4.68E-08	3.57E-04	1.13E-07	4.78E-08	3.56E-04	1.12E-07	4.77E-08
3332	497363.09, 3847877.25	3.68E-04	1.16E-07	4.93E-08	3.76E-04	1.19E-07	5.03E-08	3.75E-04	1.18E-07	5.03E-08
3333	497863.09, 3847877.25	4.19E-04	1.32E-07	5.61E-08	4.28E-04	1.35E-07	5.73E-08	4.27E-04	1.35E-07	5.72E-08
3334	498363.09, 3847877.25	4.26E-04	1.35E-07	5.71E-08	4.35E-04	1.37E-07	5.83E-08	4.35E-04	1.37E-07	5.82E-08
3335	471363.09, 3848377.25	1.08E-03	3.41E-07	1.45E-07	1.10E-03	3.48E-07	1.48E-07	1.10E-03	3.48E-07	1.47E-07
3336	471863.09, 3848377.25	1.31E-03	4.15E-07	1.76E-07	1.34E-03	4.23E-07	1.80E-07	1.34E-03	4.23E-07	1.79E-07
3337	472363.09, 3848377.25	1.67E-03	5.27E-07	2.24E-07	1.71E-03	5.38E-07	2.28E-07	1.70E-03	5.38E-07	2.28E-07
3338	472863.09, 3848377.25	2.27E-03	7.17E-07	3.04E-07	2.32E-03	7.32E-07	3.10E-07	2.32E-03	7.31E-07	3.10E-07
3339	473363.09, 3848377.25	3.41E-03	1.08E-06	4.57E-07	3.48E-03	1.10E-06	4.66E-07	3.48E-03	1.10E-06	4.65E-07
3340	473863.09, 3848377.25	6.27E-03	1.98E-06	8.40E-07	6.40E-03	2.02E-06	8.57E-07	6.39E-03	2.02E-06	8.56E-07
3341	474363.09, 3848377.25	2.27E-02	7.17E-06	3.04E-06	2.32E-02	7.32E-06	3.10E-06	2.32E-02	7.31E-06	3.10E-06
3342	474863.09, 3848377.25	2.11E-02	6.66E-06	2.83E-06	2.15E-02	6.80E-06	2.88E-06	2.15E-02	6.79E-06	2.88E-06
3343	475363.09, 3848377.25	1.44E-02	4.56E-06	1.93E-06	1.47E-02	4.65E-06	1.97E-06	1.47E-02	4.65E-06	1.97E-06
3344	475863.09, 3848377.25	8.79E-03	2.77E-06	1.18E-06	8.97E-03	2.83E-06	1.20E-06	8.96E-03	2.83E-06	1.20E-06
3345	476363.09, 3848377.25	6.12E-03	1.93E-06	8.19E-07	6.24E-03	1.97E-06	8.36E-07	6.24E-03	1.97E-06	8.35E-07
3346	476863.09, 3848377.25	6.56E-03	2.07E-06	8.79E-07	6.70E-03	2.11E-06	8.97E-07	6.69E-03	2.11E-06	8.96E-07
3347	477363.09, 3848377.25	5.66E-03	1.79E-06	7.57E-07	5.77E-03	1.82E-06	7.73E-07	5.77E-03	1.82E-06	7.72E-07
3348	477863.09, 3848377.25	5.10E-03	1.61E-06	6.83E-07	5.21E-03	1.64E-06	6.97E-07	5.20E-03	1.64E-06	6.96E-07
3349	478363.09, 3848377.25	4.49E-03	1.42E-06	6.01E-07	4.58E-03	1.44E-06	6.13E-07	4.57E-03	1.44E-06	6.12E-07
3350	478863.09, 3848377.25	3.81E-03	1.20E-06	5.10E-07	3.88E-03	1.23E-06	5.20E-07	3.88E-03	1.22E-06	5.20E-07
3351	479363.09, 3848377.25	2.85E-03	8.99E-07	3.81E-07	2.91E-03	9.17E-07	3.89E-07	2.90E-03	9.16E-07	3.89E-07
3352	479863.09, 3848377.25	1.21E-03	3.82E-07	1.62E-07	1.24E-03	3.90E-07	1.65E-07	1.23E-03	3.89E-07	1.65E-07
3353	480363.09, 3848377.25	1.60E-03	5.05E-07	2.14E-07	1.63E-03	5.15E-07	2.19E-07	1.63E-03	5.15E-07	2.18E-07
3354	480863.09, 3848377.25	1.97E-03	6.23E-07	2.64E-07	2.01E-03	6.35E-07	2.70E-07	2.01E-03	6.35E-07	2.69E-07
3355	481363.09, 3848377.25	1.88E-03	5.94E-07	2.52E-07	1.92E-03	6.06E-07	2.57E-07	1.92E-03	6.06E-07	2.57E-07
3356	481863.09, 3848377.25	1.85E-03	5.83E-07	2.47E-07	1.88E-03	5.95E-07	2.52E-07	1.88E-03	5.94E-07	2.52E-07

3357	482363.09, 3848377.25	1.76E-03	5.55E-07	2.36E-07	1.80E-03	5.67E-07	2.40E-07	1.79E-03	5.66E-07	2.40E-07
3358	482863.09, 3848377.25	1.55E-03	4.88E-07	2.07E-07	1.58E-03	4.98E-07	2.11E-07	1.58E-03	4.97E-07	2.11E-07
3359	483363.09, 3848377.25	1.44E-03	4.56E-07	1.93E-07	1.47E-03	4.65E-07	1.97E-07	1.47E-03	4.64E-07	1.97E-07
3360	483863.09, 3848377.25	1.31E-03	4.12E-07	1.75E-07	1.33E-03	4.21E-07	1.79E-07	1.33E-03	4.20E-07	1.78E-07
3361	484363.09, 3848377.25	1.27E-03	4.01E-07	1.70E-07	1.30E-03	4.09E-07	1.74E-07	1.29E-03	4.08E-07	1.73E-07
3362	484863.09, 3848377.25	1.30E-03	4.11E-07	1.74E-07	1.33E-03	4.19E-07	1.78E-07	1.33E-03	4.19E-07	1.78E-07
3363	485363.09, 3848377.25	1.25E-03	3.93E-07	1.67E-07	1.27E-03	4.01E-07	1.70E-07	1.27E-03	4.01E-07	1.70E-07
3364	485863.09, 3848377.25	1.20E-03	3.79E-07	1.61E-07	1.23E-03	3.87E-07	1.64E-07	1.22E-03	3.86E-07	1.64E-07
3365	486363.09, 3848377.25	1.12E-03	3.54E-07	1.50E-07	1.14E-03	3.61E-07	1.53E-07	1.14E-03	3.61E-07	1.53E-07
3366	486863.09, 3848377.25	1.03E-03	3.25E-07	1.38E-07	1.05E-03	3.32E-07	1.41E-07	1.05E-03	3.31E-07	1.41E-07
3367	487363.09, 3848377.25	9.22E-04	2.91E-07	1.23E-07	9.41E-04	2.97E-07	1.26E-07	9.40E-04	2.97E-07	1.26E-07
3368	487863.09, 3848377.25	8.80E-04	2.78E-07	1.18E-07	8.98E-04	2.83E-07	1.20E-07	8.97E-04	2.83E-07	1.20E-07
3369	488363.09, 3848377.25	8.34E-04	2.63E-07	1.12E-07	8.51E-04	2.69E-07	1.14E-07	8.50E-04	2.68E-07	1.14E-07
3370	488863.09, 3848377.25	7.99E-04	2.52E-07	1.07E-07	8.15E-04	2.57E-07	1.09E-07	8.14E-04	2.57E-07	1.09E-07
3371	489363.09, 3848377.25	7.76E-04	2.45E-07	1.04E-07	7.91E-04	2.50E-07	1.06E-07	7.90E-04	2.49E-07	1.06E-07
3372	489863.09, 3848377.25	7.77E-04	2.45E-07	1.04E-07	7.93E-04	2.50E-07	1.06E-07	7.92E-04	2.50E-07	1.06E-07
3373	490363.09, 3848377.25	7.33E-04	2.31E-07	9.81E-08	7.48E-04	2.36E-07	1.00E-07	7.47E-04	2.36E-07	1.00E-07
3374	490863.09, 3848377.25	6.67E-04	2.11E-07	8.93E-08	6.81E-04	2.15E-07	9.12E-08	6.80E-04	2.15E-07	9.11E-08
3375	491363.09, 3848377.25	6.15E-04	1.94E-07	8.24E-08	6.28E-04	1.98E-07	8.40E-08	6.27E-04	1.98E-07	8.39E-08
3376	491863.09, 3848377.25	5.76E-04	1.82E-07	7.72E-08	5.88E-04	1.86E-07	7.88E-08	5.87E-04	1.85E-07	7.87E-08
3377	492363.09, 3848377.25	5.14E-04	1.62E-07	6.88E-08	5.24E-04	1.65E-07	7.02E-08	5.23E-04	1.65E-07	7.01E-08
3378	492863.09, 3848377.25	4.51E-04	1.42E-07	6.04E-08	4.60E-04	1.45E-07	6.16E-08	4.59E-04	1.45E-07	6.15E-08
3379	493363.09, 3848377.25	4.19E-04	1.32E-07	5.61E-08	4.28E-04	1.35E-07	5.73E-08	4.27E-04	1.35E-07	5.72E-08
3380	493863.09, 3848377.25	3.91E-04	1.23E-07	5.23E-08	3.99E-04	1.26E-07	5.34E-08	3.98E-04	1.26E-07	5.33E-08
3381	494363.09, 3848377.25	3.65E-04	1.15E-07	4.89E-08	3.73E-04	1.18E-07	4.99E-08	3.72E-04	1.18E-07	4.99E-08
3382	494863.09, 3848377.25	3.60E-04	1.14E-07	4.82E-08	3.67E-04	1.16E-07	4.92E-08	3.67E-04	1.16E-07	4.91E-08
3383	495363.09, 3848377.25	3.19E-04	1.01E-07	4.27E-08	3.25E-04	1.03E-07	4.36E-08	3.25E-04	1.03E-07	4.35E-08
3384	495863.09, 3848377.25	3.06E-04	9.66E-08	4.10E-08	3.12E-04	9.86E-08	4.18E-08	3.12E-04	9.85E-08	4.18E-08
3385	496363.09, 3848377.25	3.24E-04	1.02E-07	4.33E-08	3.30E-04	1.04E-07	4.42E-08	3.30E-04	1.04E-07	4.42E-08
3386	496863.09, 3848377.25	3.06E-04	9.65E-08	4.10E-08	3.12E-04	9.85E-08	4.18E-08	3.12E-04	9.84E-08	4.17E-08
3387	497363.09, 3848377.25	3.39E-04	1.07E-07	4.55E-08	3.46E-04	1.09E-07	4.64E-08	3.46E-04	1.09E-07	4.63E-08
3388	497863.09, 3848377.25	4.53E-04	1.43E-07	6.07E-08	4.63E-04	1.46E-07	6.20E-08	4.62E-04	1.46E-07	6.19E-08
3389	498363.09, 3848377.25	4.50E-04	1.42E-07	6.03E-08	4.59E-04	1.45E-07	6.15E-08	4.59E-04	1.45E-07	6.15E-08
3390	471363.09, 3848877.25	1.09E-03	3.44E-07	1.46E-07	1.11E-03	3.51E-07	1.49E-07	1.11E-03	3.51E-07	1.49E-07
3391	471863.09, 3848877.25	1.33E-03	4.19E-07	1.78E-07	1.35E-03	4.27E-07	1.81E-07	1.35E-03	4.27E-07	1.81E-07
3392	472363.09, 3848877.25	1.65E-03	5.22E-07	2.22E-07	1.69E-03	5.33E-07	2.26E-07	1.69E-03	5.32E-07	2.26E-07
3393	472863.09, 3848877.25	2.14E-03	6.75E-07	2.86E-07	2.18E-03	6.88E-07	2.92E-07	2.18E-03	6.88E-07	2.92E-07
3394	473363.09, 3848877.25	2.92E-03	9.22E-07	3.91E-07	2.98E-03	9.41E-07	3.99E-07	2.98E-03	9.40E-07	3.99E-07
3395	473863.09, 3848877.25	4.27E-03	1.35E-06	5.72E-07	4.36E-03	1.38E-06	5.84E-07	4.36E-03	1.37E-06	5.83E-07
3396	474363.09, 3848877.25	6.79E-03	2.14E-06	9.09E-07	6.93E-03	2.19E-06	9.27E-07	6.92E-03	2.18E-06	9.26E-07
3397	474863.09, 3848877.25	1.92E-02	6.08E-06	2.58E-06	1.96E-02	6.20E-06	2.63E-06	1.96E-02	6.19E-06	2.63E-06
3398	475363.09, 3848877.25	3.79E-02	1.20E-05	5.08E-06	3.87E-02	1.22E-05	5.19E-06	3.87E-02	1.22E-05	5.18E-06
3399	475863.09, 3848877.25	2.10E-02	6.63E-06	2.81E-06	2.14E-02	6.76E-06	2.87E-06	2.14E-02	6.75E-06	2.87E-06
3400	476363.09, 3848877.25	1.46E-02	4.60E-06	1.95E-06	1.49E-02	4.70E-06	1.99E-06	1.49E-02	4.69E-06	1.99E-06
3401	476863.09, 3848877.25	1.11E-02	3.49E-06	1.48E-06	1.13E-02	3.56E-06	1.51E-06	1.13E-02	3.56E-06	1.51E-06
3402	477363.09, 3848877.25	1.10E-02	3.48E-06	1.48E-06	1.13E-02	3.55E-06	1.51E-06	1.12E-02	3.55E-06	1.51E-06
3403	477863.09, 3848877.25	8.94E-03	2.82E-06	1.20E-06	9.12E-03	2.88E-06	1.22E-06	9.11E-03	2.88E-06	1.22E-06
3404	478363.09, 3848877.25	7.58E-03	2.39E-06	1.01E-06	7.73E-03	2.44E-06	1.04E-06	7.72E-03	2.44E-06	1.03E-06
3405	478863.09, 3848877.25	6.14E-03	1.94E-06	8.23E-07	6.27E-03	1.98E-06	8.40E-07	6.26E-03	1.98E-06	8.39E-07
3406	479363.09, 3848877.25	4.77E-03	1.51E-06	6.39E-07	4.87E-03	1.54E-06	6.52E-07	4.86E-03	1.53E-06	6.51E-07
3407	479863.09, 3848877.25	3.67E-03	1.16E-06	4.91E-07	3.74E-03	1.18E-06	5.01E-07	3.74E-03	1.18E-06	5.00E-07
3408	480363.09, 3848877.25	3.43E-03	1.08E-06	4.59E-07	3.50E-03	1.10E-06	4.68E-07	3.49E-03	1.10E-06	4.67E-07
3409	480863.09, 3848877.25	3.21E-03	1.01E-06	4.30E-07	3.28E-03	1.03E-06	4.39E-07	3.27E-03	1.03E-06	4.38E-07
3410	481363.09, 3848877.25	2.85E-03	8.99E-07	3.82E-07	2.91E-03	9.18E-07	3.89E-07	2.90E-03	9.17E-07	3.89E-07
3411	481863.09, 3848877.25	2.42E-03	7.65E-07	3.24E-07	2.47E-03	7.80E-07	3.31E-07	2.47E-03	7.79E-07	3.31E-07
3412	482363.09, 3848877.25	2.01E-03	6.34E-07	2.69E-07	2.05E-03	6.47E-07	2.74E-07	2.05E-03	6.46E-07	2.74E-07
3413	482863.09, 3848877.25	1.69E-03	5.34E-07	2.27E-07	1.73E-03	5.45E-07	2.31E-07	1.73E-03	5.45E-07	2.31E-07
3414	483363.09, 3848877.25	1.47E-03	4.64E-07	1.97E-07	1.50E-03	4.73E-07	2.01E-07	1.50E-03	4.73E-07	2.01E-07
3415	483863.09, 3848877.25	1.39E-03	4.38E-07	1.86E-07	1.42E-03	4.47E-07	1.90E-07	1.42E-03	4.47E-07	1.90E-07
3416	484363.09, 3848877.25	1.53E-03	4.84E-07	2.06E-07	1.57E-03	4.94E-07	2.10E-07	1.56E-03	4.94E-07	2.09E-07
3417	484863.09, 3848877.25	1.65E-03	5.19E-07	2.20E-07	1.68E-03	5.30E-07	2.25E-07	1.68E-03	5.29E-07	2.25E-07
3418	485363.09, 3848877.25	1.55E-03	4.90E-07	2.08E-07	1.59E-03	5.00E-07	2.12E-07	1.58E-03	5.00E-07	2.12E-07
3419	485863.09, 3848877.25	1.47E-03	4.64E-07	1.97E-07	1.50E-03	4.73E-07	2.01E-07	1.50E-03	4.72E-07	2.00E-07
3420	486363.09, 3848877.25	1.33E-03	4.20E-07	1.78E-07	1.36E-03	4.28E-07	1.82E-07	1.36E-03	4.28E-07	1.82E-07
3421	486863.09, 3848877.25	1.19E-03	3.75E-07	1.59E-07	1.21E-03	3.82E-07	1.62E-07	1.21E-03	3.82E-07	1.62E-07
3422	487363.09, 3848877.25	1.14E-03	3.61E-07	1.53E-07	1.17E-03	3.68E-07	1.56E-07	1.16E-03	3.67E-07	1.56E-07
3423	487863.09, 3848877.25	1.06E-03	3.35E-07	1.42E-07	1.08E-03	3.42E-07	1.45E-07	1.08E-03	3.42E-07	1.45E-07
3424	488363.09, 3848877.25	1.01E-03	3.19E-07	1.35E-07	1.03E-03	3.26E-07	1.38E-07	1.03E-03	3.25E-07	1.38E-07
3425	488863.09, 3848877.25	9.50E-04	3.00E-07	1.27E-07	9.69E-04	3.06E-07	1.30E-07	9.68E-04	3.06E-07	1.30E-07
3426	489363.09, 3848877.25	9.22E-04	2.91E-07	1.24E-07	9.41E-04	2.97E-07	1.26E-07	9.40E-04	2.97E-07	1.26E-07

3427	489863.09, 3848877.25	8.97E-04	2.83E-07	1.20E-07	9.15E-04	2.89E-07	1.23E-07	9.14E-04	2.88E-07	1.22E-07
3428	490363.09, 3848877.25	8.17E-04	2.58E-07	1.09E-07	8.34E-04	2.63E-07	1.12E-07	8.33E-04	2.63E-07	1.12E-07
3429	490863.09, 3848877.25	7.40E-04	2.34E-07	9.92E-08	7.56E-04	2.38E-07	1.01E-07	7.55E-04	2.38E-07	1.01E-07
3430	491363.09, 3848877.25	6.90E-04	2.18E-07	9.23E-08	7.04E-04	2.22E-07	9.42E-08	7.03E-04	2.22E-07	9.41E-08
3431	491863.09, 3848877.25	6.06E-04	1.91E-07	8.12E-08	6.18E-04	1.95E-07	8.28E-08	6.18E-04	1.95E-07	8.27E-08
3432	492363.09, 3848877.25	5.27E-04	1.66E-07	7.06E-08	5.38E-04	1.70E-07	7.20E-08	5.37E-04	1.70E-07	7.19E-08
3433	492863.09, 3848877.25	4.47E-04	1.41E-07	5.98E-08	4.56E-04	1.44E-07	6.10E-08	4.55E-04	1.44E-07	6.10E-08
3434	493363.09, 3848877.25	3.77E-04	1.19E-07	5.04E-08	3.84E-04	1.21E-07	5.15E-08	3.84E-04	1.21E-07	5.14E-08
3435	493863.09, 3848877.25	3.72E-04	1.17E-07	4.98E-08	3.79E-04	1.20E-07	5.08E-08	3.79E-04	1.20E-07	5.07E-08
3436	494363.09, 3848877.25	3.54E-04	1.12E-07	4.74E-08	3.61E-04	1.14E-07	4.84E-08	3.61E-04	1.14E-07	4.83E-08
3437	494863.09, 3848877.25	3.57E-04	1.13E-07	4.79E-08	3.65E-04	1.15E-07	4.88E-08	3.64E-04	1.15E-07	4.88E-08
3438	495363.09, 3848877.25	3.52E-04	1.11E-07	4.72E-08	3.60E-04	1.13E-07	4.82E-08	3.59E-04	1.13E-07	4.81E-08
3439	495863.09, 3848877.25	3.06E-04	9.64E-08	4.09E-08	3.12E-04	9.84E-08	4.18E-08	3.11E-04	9.83E-08	4.17E-08
3440	496363.09, 3848877.25	3.02E-04	9.52E-08	4.04E-08	3.08E-04	9.72E-08	4.12E-08	3.08E-04	9.71E-08	4.12E-08
3441	496863.09, 3848877.25	3.35E-04	1.06E-07	4.49E-08	3.42E-04	1.08E-07	4.58E-08	3.42E-04	1.08E-07	4.58E-08
3442	497363.09, 3848877.25	4.25E-04	1.34E-07	5.69E-08	4.34E-04	1.37E-07	5.81E-08	4.33E-04	1.37E-07	5.80E-08
3443	497863.09, 3848877.25	4.55E-04	1.44E-07	6.10E-08	4.65E-04	1.47E-07	6.22E-08	4.64E-04	1.46E-07	6.21E-08
3444	498363.09, 3848877.25	4.72E-04	1.49E-07	6.32E-08	4.81E-04	1.52E-07	6.45E-08	4.81E-04	1.52E-07	6.44E-08
3445	471363.09, 3849377.25	1.06E-03	3.34E-07	1.42E-07	1.08E-03	3.41E-07	1.45E-07	1.08E-03	3.40E-07	1.44E-07
3446	471863.09, 3849377.25	1.28E-03	4.03E-07	1.71E-07	1.30E-03	4.11E-07	1.75E-07	1.30E-03	4.11E-07	1.74E-07
3447	472363.09, 3849377.25	1.54E-03	4.85E-07	2.06E-07	1.57E-03	4.95E-07	2.10E-07	1.57E-03	4.94E-07	2.10E-07
3448	472863.09, 3849377.25	1.91E-03	6.01E-07	2.55E-07	1.94E-03	6.14E-07	2.60E-07	1.94E-03	6.13E-07	2.60E-07
3449	473363.09, 3849377.25	2.44E-03	7.71E-07	3.27E-07	2.49E-03	7.87E-07	3.34E-07	2.49E-03	7.86E-07	3.33E-07
3450	473863.09, 3849377.25	3.20E-03	1.01E-06	4.28E-07	3.26E-03	1.03E-06	4.37E-07	3.26E-03	1.03E-06	4.36E-07
3451	474363.09, 3849377.25	4.30E-03	1.36E-06	5.76E-07	4.39E-03	1.39E-06	5.88E-07	4.39E-03	1.38E-06	5.87E-07
3452	474863.09, 3849377.25	6.16E-03	1.95E-06	8.25E-07	6.29E-03	1.98E-06	8.42E-07	6.28E-03	1.98E-06	8.41E-07
3453	475363.09, 3849377.25	1.02E-02	3.23E-06	1.37E-06	1.04E-02	3.30E-06	1.40E-06	1.04E-02	3.29E-06	1.40E-06
3454	475863.09, 3849377.25	1.77E-02	5.60E-06	2.38E-06	1.81E-02	5.71E-06	2.42E-06	1.81E-02	5.71E-06	2.42E-06
3455	476363.09, 3849377.25	3.29E-02	1.04E-05	4.41E-06	3.36E-02	1.06E-05	4.50E-06	3.36E-02	1.06E-05	4.50E-06
3456	476863.09, 3849377.25	7.30E-02	2.30E-05	9.78E-06	7.45E-02	2.35E-05	9.98E-06	7.44E-02	2.35E-05	9.97E-06
3457	477363.09, 3849377.25	2.63E-02	8.30E-06	3.52E-06	2.68E-02	8.47E-06	3.59E-06	2.68E-02	8.46E-06	3.59E-06
3458	477863.09, 3849377.25	1.69E-02	5.34E-06	2.27E-06	1.73E-02	5.45E-06	2.31E-06	1.72E-02	5.44E-06	2.31E-06
3459	478363.09, 3849377.25	1.28E-02	4.03E-06	1.71E-06	1.30E-02	4.11E-06	1.74E-06	1.30E-02	4.10E-06	1.74E-06
3460	478863.09, 3849377.25	9.49E-03	3.00E-06	1.27E-06	9.68E-03	3.06E-06	1.30E-06	9.67E-03	3.05E-06	1.30E-06
3461	479363.09, 3849377.25	7.58E-03	2.39E-06	1.01E-06	7.73E-03	2.44E-06	1.04E-06	7.72E-03	2.44E-06	1.03E-06
3462	479863.09, 3849377.25	5.60E-03	1.77E-06	7.50E-07	5.72E-03	1.80E-06	7.65E-07	5.71E-03	1.80E-06	7.64E-07
3463	480363.09, 3849377.25	5.42E-03	1.71E-06	7.25E-07	5.53E-03	1.74E-06	7.40E-07	5.52E-03	1.74E-06	7.39E-07
3464	480863.09, 3849377.25	4.60E-03	1.45E-06	6.16E-07	4.69E-03	1.48E-06	6.28E-07	4.69E-03	1.48E-06	6.28E-07
3465	481363.09, 3849377.25	3.66E-03	1.16E-06	4.91E-07	3.74E-03	1.18E-06	5.01E-07	3.73E-03	1.18E-06	5.00E-07
3466	481863.09, 3849377.25	2.71E-03	8.54E-07	3.62E-07	2.76E-03	8.72E-07	3.70E-07	2.76E-03	8.71E-07	3.69E-07
3467	482363.09, 3849377.25	2.29E-03	7.24E-07	3.07E-07	2.34E-03	7.39E-07	3.13E-07	2.34E-03	7.38E-07	3.13E-07
3468	482863.09, 3849377.25	1.86E-03	5.88E-07	2.49E-07	1.90E-03	6.00E-07	2.55E-07	1.90E-03	5.99E-07	2.54E-07
3469	483363.09, 3849377.25	1.64E-03	5.17E-07	2.20E-07	1.67E-03	5.28E-07	2.24E-07	1.67E-03	5.27E-07	2.24E-07
3470	483863.09, 3849377.25	1.36E-03	4.28E-07	1.82E-07	1.38E-03	4.37E-07	1.85E-07	1.38E-03	4.36E-07	1.85E-07
3471	484363.09, 3849377.25	1.81E-03	5.72E-07	2.43E-07	1.85E-03	5.84E-07	2.48E-07	1.85E-03	5.83E-07	2.47E-07
3472	484863.09, 3849377.25	2.00E-03	6.30E-07	2.67E-07	2.04E-03	6.43E-07	2.73E-07	2.04E-03	6.42E-07	2.73E-07
3473	485363.09, 3849377.25	1.89E-03	5.95E-07	2.53E-07	1.92E-03	6.08E-07	2.58E-07	1.92E-03	6.07E-07	2.57E-07
3474	485863.09, 3849377.25	1.52E-03	4.81E-07	2.04E-07	1.55E-03	4.90E-07	2.08E-07	1.55E-03	4.90E-07	2.08E-07
3475	486363.09, 3849377.25	1.24E-03	3.92E-07	1.67E-07	1.27E-03	4.00E-07	1.70E-07	1.27E-03	4.00E-07	1.70E-07
3476	486863.09, 3849377.25	1.38E-03	4.35E-07	1.85E-07	1.41E-03	4.44E-07	1.88E-07	1.40E-03	4.43E-07	1.88E-07
3477	487363.09, 3849377.25	1.35E-03	4.26E-07	1.81E-07	1.38E-03	4.35E-07	1.85E-07	1.38E-03	4.35E-07	1.84E-07
3478	487863.09, 3849377.25	1.26E-03	3.98E-07	1.69E-07	1.29E-03	4.06E-07	1.72E-07	1.29E-03	4.06E-07	1.72E-07
3479	488363.09, 3849377.25	1.19E-03	3.75E-07	1.59E-07	1.21E-03	3.82E-07	1.62E-07	1.21E-03	3.82E-07	1.62E-07
3480	488863.09, 3849377.25	1.13E-03	3.56E-07	1.51E-07	1.15E-03	3.64E-07	1.54E-07	1.15E-03	3.63E-07	1.54E-07
3481	489363.09, 3849377.25	1.07E-03	3.39E-07	1.44E-07	1.10E-03	3.46E-07	1.47E-07	1.09E-03	3.46E-07	1.47E-07
3482	489863.09, 3849377.25	1.00E-03	3.17E-07	1.34E-07	1.02E-03	3.23E-07	1.37E-07	1.02E-03	3.23E-07	1.37E-07
3483	490363.09, 3849377.25	9.02E-04	2.85E-07	1.21E-07	9.21E-04	2.91E-07	1.23E-07	9.20E-04	2.90E-07	1.23E-07
3484	490863.09, 3849377.25	8.23E-04	2.60E-07	1.10E-07	8.40E-04	2.65E-07	1.12E-07	8.39E-04	2.65E-07	1.12E-07
3485	491363.09, 3849377.25	7.56E-04	2.39E-07	1.01E-07	7.71E-04	2.43E-07	1.03E-07	7.70E-04	2.43E-07	1.03E-07
3486	491863.09, 3849377.25	6.59E-04	2.08E-07	8.82E-08	6.72E-04	2.12E-07	9.00E-08	6.71E-04	2.12E-07	8.99E-08
3487	492363.09, 3849377.25	5.72E-04	1.80E-07	7.66E-08	5.83E-04	1.84E-07	7.81E-08	5.83E-04	1.84E-07	7.80E-08
3488	492863.09, 3849377.25	4.61E-04	1.46E-07	6.18E-08	4.71E-04	1.49E-07	6.30E-08	4.70E-04	1.48E-07	6.29E-08
3489	493363.09, 3849377.25	4.14E-04	1.31E-07	5.54E-08	4.22E-04	1.33E-07	5.65E-08	4.22E-04	1.33E-07	5.65E-08
3490	493863.09, 3849377.25	3.85E-04	1.22E-07	5.16E-08	3.93E-04	1.24E-07	5.27E-08	3.93E-04	1.24E-07	5.26E-08
3491	494363.09, 3849377.25	3.84E-04	1.21E-07	5.15E-08	3.92E-04	1.24E-07	5.25E-08	3.92E-04	1.24E-07	5.24E-08
3492	494863.09, 3849377.25	4.33E-04	1.37E-07	5.80E-08	4.42E-04	1.40E-07	5.92E-08	4.42E-04	1.39E-07	5.92E-08
3493	495363.09, 3849377.25	4.37E-04	1.38E-07	5.86E-08	4.46E-04	1.41E-07	5.98E-08	4.46E-04	1.41E-07	5.97E-08
3494	495863.09, 3849377.25	3.15E-04	9.93E-08	4.21E-08	3.21E-04	1.01E-07	4.30E-08	3.21E-04	1.01E-07	4.30E-08
3495	496363.09, 3849377.25	2.91E-04	9.19E-08	3.90E-08	2.97E-04	9.38E-08	3.98E-08	2.97E-04	9.37E-08	3.97E-08
3496	496863.09, 3849377.25	4.02E-04	1.27E-07	5.38E-08	4.10E-04	1.29E-07	5.49E-08	4.09E-04	1.29E-07	5.48E-08

3497	497363.09, 3849377.25	4.25E-04	1.34E-07	5.70E-08	4.34E-04	1.37E-07	5.81E-08	4.34E-04	1.37E-07	5.81E-08
3498	497863.09, 3849377.25	5.35E-04	1.69E-07	7.16E-08	5.46E-04	1.72E-07	7.31E-08	5.45E-04	1.72E-07	7.30E-08
3499	498363.09, 3849377.25	4.97E-04	1.57E-07	6.66E-08	5.07E-04	1.60E-07	6.79E-08	5.07E-04	1.60E-07	6.78E-08
3500	471363.09, 3849877.25	8.30E-04	2.62E-07	1.11E-07	8.47E-04	2.67E-07	1.13E-07	8.46E-04	2.67E-07	1.13E-07
3501	471863.09, 3849877.25	1.12E-03	3.55E-07	1.51E-07	1.15E-03	3.62E-07	1.54E-07	1.15E-03	3.62E-07	1.53E-07
3502	472363.09, 3849877.25	1.40E-03	4.42E-07	1.88E-07	1.43E-03	4.51E-07	1.91E-07	1.43E-03	4.51E-07	1.91E-07
3503	472863.09, 3849877.25	1.69E-03	5.34E-07	2.27E-07	1.73E-03	5.45E-07	2.31E-07	1.72E-03	5.44E-07	2.31E-07
3504	473363.09, 3849877.25	2.06E-03	6.51E-07	2.76E-07	2.11E-03	6.65E-07	2.82E-07	2.10E-03	6.64E-07	2.82E-07
3505	473863.09, 3849877.25	2.54E-03	8.00E-07	3.40E-07	2.59E-03	8.17E-07	3.47E-07	2.58E-03	8.16E-07	3.46E-07
3506	474363.09, 3849877.25	3.12E-03	9.85E-07	4.18E-07	3.19E-03	1.01E-06	4.27E-07	3.18E-03	1.00E-06	4.26E-07
3507	474863.09, 3849877.25	3.87E-03	1.22E-06	5.18E-07	3.94E-03	1.24E-06	5.28E-07	3.94E-03	1.24E-06	5.28E-07
3508	475363.09, 3849877.25	4.86E-03	1.53E-06	6.51E-07	4.96E-03	1.57E-06	6.64E-07	4.95E-03	1.56E-06	6.63E-07
3509	475863.09, 3849877.25	6.17E-03	1.95E-06	8.27E-07	6.30E-03	1.99E-06	8.44E-07	6.29E-03	1.99E-06	8.43E-07
3510	476363.09, 3849877.25	8.07E-03	2.55E-06	1.08E-06	8.23E-03	2.60E-06	1.10E-06	8.22E-03	2.59E-06	1.10E-06
3511	476863.09, 3849877.25	1.14E-02	3.61E-06	1.53E-06	1.17E-02	3.68E-06	1.56E-06	1.17E-02	3.68E-06	1.56E-06
3512	477363.09, 3849877.25	2.15E-02	6.79E-06	2.88E-06	2.20E-02	6.93E-06	2.94E-06	2.19E-02	6.92E-06	2.94E-06
3513	477863.09, 3849877.25	7.94E-02	2.51E-05	1.06E-05	8.10E-02	2.56E-05	1.09E-05	8.09E-02	2.55E-05	1.08E-05
3514	478363.09, 3849877.25	2.87E-02	9.05E-06	3.84E-06	2.93E-02	9.24E-06	3.92E-06	2.92E-02	9.23E-06	3.92E-06
3515	478863.09, 3849877.25	1.85E-02	5.85E-06	2.48E-06	1.89E-02	5.97E-06	2.53E-06	1.89E-02	5.96E-06	2.53E-06
3516	479363.09, 3849877.25	1.29E-02	4.07E-06	1.73E-06	1.31E-02	4.15E-06	1.76E-06	1.31E-02	4.14E-06	1.76E-06
3517	479863.09, 3849877.25	1.03E-02	3.25E-06	1.38E-06	1.05E-02	3.31E-06	1.41E-06	1.05E-02	3.31E-06	1.40E-06
3518	480363.09, 3849877.25	7.53E-03	2.38E-06	1.01E-06	7.69E-03	2.43E-06	1.03E-06	7.68E-03	2.42E-06	1.03E-06
3519	480863.09, 3849877.25	5.82E-03	1.84E-06	7.79E-07	5.94E-03	1.87E-06	7.95E-07	5.93E-03	1.87E-06	7.94E-07
3520	481363.09, 3849877.25	4.79E-03	1.51E-06	6.41E-07	4.88E-03	1.54E-06	6.54E-07	4.88E-03	1.54E-06	6.53E-07
3521	481863.09, 3849877.25	3.25E-03	1.03E-06	4.35E-07	3.32E-03	1.05E-06	4.44E-07	3.31E-03	1.05E-06	4.44E-07
3522	482363.09, 3849877.25	2.61E-03	8.22E-07	3.49E-07	2.66E-03	8.39E-07	3.56E-07	2.66E-03	8.38E-07	3.56E-07
3523	482863.09, 3849877.25	2.17E-03	6.85E-07	2.91E-07	2.22E-03	6.99E-07	2.97E-07	2.21E-03	6.99E-07	2.96E-07
3524	483363.09, 3849877.25	1.81E-03	5.71E-07	2.42E-07	1.84E-03	5.82E-07	2.47E-07	1.84E-03	5.82E-07	2.47E-07
3525	483863.09, 3849877.25	1.71E-03	5.38E-07	2.28E-07	1.74E-03	5.49E-07	2.33E-07	1.74E-03	5.49E-07	2.33E-07
3526	484363.09, 3849877.25	2.11E-03	6.66E-07	2.82E-07	2.15E-03	6.79E-07	2.88E-07	2.15E-03	6.79E-07	2.88E-07
3527	484863.09, 3849877.25	2.44E-03	7.69E-07	3.26E-07	2.49E-03	7.85E-07	3.33E-07	2.48E-03	7.84E-07	3.33E-07
3528	485363.09, 3849877.25	2.19E-03	6.92E-07	2.94E-07	2.24E-03	7.06E-07	3.00E-07	2.24E-03	7.06E-07	2.99E-07
3529	485863.09, 3849877.25	1.86E-03	5.88E-07	2.50E-07	1.90E-03	6.00E-07	2.55E-07	1.90E-03	5.99E-07	2.54E-07
3530	486363.09, 3849877.25	1.67E-03	5.28E-07	2.24E-07	1.71E-03	5.39E-07	2.29E-07	1.70E-03	5.38E-07	2.28E-07
3531	486863.09, 3849877.25	1.70E-03	5.36E-07	2.27E-07	1.73E-03	5.47E-07	2.32E-07	1.73E-03	5.46E-07	2.32E-07
3532	487363.09, 3849877.25	1.60E-03	5.05E-07	2.14E-07	1.63E-03	5.15E-07	2.18E-07	1.63E-03	5.14E-07	2.18E-07
3533	487863.09, 3849877.25	1.48E-03	4.67E-07	1.98E-07	1.51E-03	4.77E-07	2.02E-07	1.51E-03	4.76E-07	2.02E-07
3534	488363.09, 3849877.25	1.39E-03	4.37E-07	1.86E-07	1.41E-03	4.46E-07	1.89E-07	1.41E-03	4.46E-07	1.89E-07
3535	488863.09, 3849877.25	1.31E-03	4.12E-07	1.75E-07	1.33E-03	4.21E-07	1.78E-07	1.33E-03	4.20E-07	1.78E-07
3536	489363.09, 3849877.25	1.22E-03	3.84E-07	1.63E-07	1.24E-03	3.92E-07	1.66E-07	1.24E-03	3.91E-07	1.66E-07
3537	489863.09, 3849877.25	1.11E-03	3.51E-07	1.49E-07	1.13E-03	3.58E-07	1.52E-07	1.13E-03	3.57E-07	1.52E-07
3538	490363.09, 3849877.25	9.98E-04	3.15E-07	1.34E-07	1.02E-03	3.21E-07	1.36E-07	1.02E-03	3.21E-07	1.36E-07
3539	490863.09, 3849877.25	9.15E-04	2.89E-07	1.23E-07	9.34E-04	2.95E-07	1.25E-07	9.33E-04	2.94E-07	1.25E-07
3540	491363.09, 3849877.25	8.34E-04	2.63E-07	1.12E-07	8.51E-04	2.69E-07	1.14E-07	8.50E-04	2.68E-07	1.14E-07
3541	491863.09, 3849877.25	7.28E-04	2.30E-07	9.75E-08	7.43E-04	2.34E-07	9.95E-08	7.42E-04	2.34E-07	9.93E-08
3542	492363.09, 3849877.25	6.39E-04	2.02E-07	8.56E-08	6.52E-04	2.06E-07	8.73E-08	6.51E-04	2.06E-07	8.72E-08
3543	492863.09, 3849877.25	5.38E-04	1.70E-07	7.21E-08	5.49E-04	1.73E-07	7.36E-08	5.49E-04	1.73E-07	7.35E-08
3544	493363.09, 3849877.25	4.54E-04	1.43E-07	6.08E-08	4.64E-04	1.46E-07	6.21E-08	4.63E-04	1.46E-07	6.20E-08
3545	493863.09, 3849877.25	4.03E-04	1.27E-07	5.40E-08	4.11E-04	1.30E-07	5.51E-08	4.11E-04	1.30E-07	5.50E-08
3546	494363.09, 3849877.25	4.82E-04	1.52E-07	6.45E-08	4.92E-04	1.55E-07	6.58E-08	4.91E-04	1.55E-07	6.58E-08
3547	494863.09, 3849877.25	5.25E-04	1.66E-07	7.03E-08	5.36E-04	1.69E-07	7.18E-08	5.35E-04	1.69E-07	7.17E-08
3548	495363.09, 3849877.25	4.27E-04	1.35E-07	5.72E-08	4.36E-04	1.38E-07	5.83E-08	4.35E-04	1.37E-07	5.83E-08
3549	495863.09, 3849877.25	4.78E-04	1.51E-07	6.40E-08	4.88E-04	1.54E-07	6.53E-08	4.87E-04	1.54E-07	6.52E-08
3550	496363.09, 3849877.25	4.81E-04	1.52E-07	6.45E-08	4.91E-04	1.55E-07	6.58E-08	4.91E-04	1.55E-07	6.57E-08
3551	496863.09, 3849877.25	4.77E-04	1.51E-07	6.39E-08	4.87E-04	1.54E-07	6.52E-08	4.87E-04	1.54E-07	6.52E-08
3552	497363.09, 3849877.25	5.47E-04	1.73E-07	7.33E-08	5.59E-04	1.76E-07	7.48E-08	5.58E-04	1.76E-07	7.47E-08
3553	497863.09, 3849877.25	5.56E-04	1.75E-07	7.44E-08	5.67E-04	1.79E-07	7.59E-08	5.66E-04	1.79E-07	7.58E-08
3554	498363.09, 3849877.25	5.17E-04	1.63E-07	6.92E-08	5.27E-04	1.66E-07	7.06E-08	5.26E-04	1.66E-07	7.05E-08
3555	471363.09, 3850377.25	4.38E-04	1.38E-07	5.86E-08	4.47E-04	1.41E-07	5.98E-08	4.46E-04	1.41E-07	5.97E-08
3556	471863.09, 3850377.25	8.31E-04	2.62E-07	1.11E-07	8.48E-04	2.68E-07	1.14E-07	8.47E-04	2.67E-07	1.13E-07
3557	472363.09, 3850377.25	1.11E-03	3.50E-07	1.48E-07	1.13E-03	3.57E-07	1.51E-07	1.13E-03	3.56E-07	1.51E-07
3558	472863.09, 3850377.25	1.49E-03	4.69E-07	1.99E-07	1.52E-03	4.79E-07	2.03E-07	1.52E-03	4.78E-07	2.03E-07
3559	473363.09, 3850377.25	1.76E-03	5.55E-07	2.35E-07	1.79E-03	5.66E-07	2.40E-07	1.79E-03	5.65E-07	2.40E-07
3560	473863.09, 3850377.25	2.07E-03	6.53E-07	2.77E-07	2.11E-03	6.67E-07	2.83E-07	2.11E-03	6.66E-07	2.83E-07
3561	474363.09, 3850377.25	2.40E-03	7.59E-07	3.22E-07	2.45E-03	7.74E-07	3.28E-07	2.45E-03	7.73E-07	3.28E-07
3562	474863.09, 3850377.25	2.81E-03	8.88E-07	3.77E-07	2.87E-03	9.06E-07	3.84E-07	2.87E-03	9.05E-07	3.84E-07
3563	475363.09, 3850377.25	3.28E-03	1.04E-06	4.40E-07	3.35E-03	1.06E-06	4.49E-07	3.35E-03	1.06E-06	4.48E-07
3564	475863.09, 3850377.25	3.90E-03	1.23E-06	5.22E-07	3.98E-03	1.26E-06	5.33E-07	3.98E-03	1.26E-06	5.33E-07
3565	476363.09, 3850377.25	4.76E-03	1.50E-06	6.37E-07	4.86E-03	1.53E-06	6.50E-07	4.85E-03	1.53E-06	6.49E-07
3566	476863.09, 3850377.25	5.90E-03	1.86E-06	7.90E-07	6.02E-03	1.90E-06	8.06E-07	6.01E-03	1.90E-06	8.05E-07

3567	477363.09, 3850377.25	7.51E-03	2.37E-06	1.01E-06	7.67E-03	2.42E-06	1.03E-06	7.66E-03	2.42E-06	1.03E-06
3568	477863.09, 3850377.25	1.08E-02	3.42E-06	1.45E-06	1.11E-02	3.49E-06	1.48E-06	1.10E-02	3.48E-06	1.48E-06
3569	478363.09, 3850377.25	2.14E-02	6.74E-06	2.86E-06	2.18E-02	6.88E-06	2.92E-06	2.18E-02	6.87E-06	2.91E-06
3570	478863.09, 3850377.25	8.73E-02	2.76E-05	1.17E-05	8.91E-02	2.81E-05	1.19E-05	8.90E-02	2.81E-05	1.19E-05
3571	479363.09, 3850377.25	3.02E-02	9.52E-06	4.04E-06	3.08E-02	9.71E-06	4.12E-06	3.07E-02	9.70E-06	4.12E-06
3572	479863.09, 3850377.25	1.80E-02	5.69E-06	2.41E-06	1.84E-02	5.81E-06	2.46E-06	1.84E-02	5.80E-06	2.46E-06
3573	480363.09, 3850377.25	1.26E-02	3.96E-06	1.68E-06	1.28E-02	4.04E-06	1.72E-06	1.28E-02	4.04E-06	1.71E-06
3574	480863.09, 3850377.25	1.00E-02	3.16E-06	1.34E-06	1.02E-02	3.23E-06	1.37E-06	1.02E-02	3.22E-06	1.37E-06
3575	481363.09, 3850377.25	6.30E-03	1.99E-06	8.44E-07	6.43E-03	2.03E-06	8.62E-07	6.43E-03	2.03E-06	8.60E-07
3576	481863.09, 3850377.25	5.32E-03	1.68E-06	7.12E-07	5.43E-03	1.71E-06	7.27E-07	5.42E-03	1.71E-06	7.26E-07
3577	482363.09, 3850377.25	4.49E-03	1.42E-06	6.02E-07	4.58E-03	1.45E-06	6.14E-07	4.58E-03	1.45E-06	6.13E-07
3578	482863.09, 3850377.25	3.22E-03	1.02E-06	4.32E-07	3.29E-03	1.04E-06	4.41E-07	3.29E-03	1.04E-06	4.40E-07
3579	483363.09, 3850377.25	2.55E-03	8.04E-07	3.41E-07	2.60E-03	8.20E-07	3.48E-07	2.60E-03	8.19E-07	3.48E-07
3580	483863.09, 3850377.25	2.56E-03	8.07E-07	3.42E-07	2.61E-03	8.23E-07	3.49E-07	2.61E-03	8.22E-07	3.49E-07
3581	484363.09, 3850377.25	2.74E-03	8.63E-07	3.66E-07	2.79E-03	8.81E-07	3.74E-07	2.79E-03	8.80E-07	3.73E-07
3582	484863.09, 3850377.25	2.86E-03	9.03E-07	3.83E-07	2.92E-03	9.21E-07	3.91E-07	2.92E-03	9.20E-07	3.90E-07
3583	485363.09, 3850377.25	2.65E-03	8.36E-07	3.55E-07	2.70E-03	8.53E-07	3.62E-07	2.70E-03	8.52E-07	3.62E-07
3584	485863.09, 3850377.25	2.33E-03	7.36E-07	3.12E-07	2.38E-03	7.51E-07	3.18E-07	2.38E-03	7.50E-07	3.18E-07
3585	486363.09, 3850377.25	2.17E-03	6.84E-07	2.90E-07	2.21E-03	6.98E-07	2.96E-07	2.21E-03	6.97E-07	2.96E-07
3586	486863.09, 3850377.25	2.02E-03	6.38E-07	2.71E-07	2.06E-03	6.51E-07	2.76E-07	2.06E-03	6.50E-07	2.76E-07
3587	487363.09, 3850377.25	1.83E-03	5.78E-07	2.45E-07	1.87E-03	5.90E-07	2.50E-07	1.87E-03	5.89E-07	2.50E-07
3588	487863.09, 3850377.25	1.71E-03	5.39E-07	2.29E-07	1.74E-03	5.50E-07	2.33E-07	1.74E-03	5.49E-07	2.33E-07
3589	488363.09, 3850377.25	1.58E-03	4.98E-07	2.11E-07	1.61E-03	5.08E-07	2.16E-07	1.61E-03	5.08E-07	2.15E-07
3590	488863.09, 3850377.25	1.47E-03	4.63E-07	1.96E-07	1.50E-03	4.72E-07	2.00E-07	1.49E-03	4.71E-07	2.00E-07
3591	489363.09, 3850377.25	1.35E-03	4.27E-07	1.81E-07	1.38E-03	4.35E-07	1.85E-07	1.38E-03	4.35E-07	1.84E-07
3592	489863.09, 3850377.25	1.22E-03	3.84E-07	1.63E-07	1.24E-03	3.92E-07	1.66E-07	1.24E-03	3.92E-07	1.66E-07
3593	490363.09, 3850377.25	1.10E-03	3.48E-07	1.48E-07	1.13E-03	3.55E-07	1.51E-07	1.12E-03	3.55E-07	1.50E-07
3594	490863.09, 3850377.25	1.01E-03	3.18E-07	1.35E-07	1.03E-03	3.24E-07	1.37E-07	1.03E-03	3.24E-07	1.37E-07
3595	491363.09, 3850377.25	9.12E-04	2.88E-07	1.22E-07	9.30E-04	2.94E-07	1.25E-07	9.29E-04	2.93E-07	1.24E-07
3596	491863.09, 3850377.25	7.92E-04	2.50E-07	1.06E-07	8.08E-04	2.55E-07	1.08E-07	8.07E-04	2.55E-07	1.08E-07
3597	492363.09, 3850377.25	6.75E-04	2.13E-07	9.04E-08	6.89E-04	2.18E-07	9.23E-08	6.88E-04	2.17E-07	9.22E-08
3598	492863.09, 3850377.25	5.98E-04	1.89E-07	8.01E-08	6.10E-04	1.93E-07	8.17E-08	6.09E-04	1.92E-07	8.16E-08
3599	493363.09, 3850377.25	5.11E-04	1.61E-07	6.85E-08	5.22E-04	1.65E-07	6.99E-08	5.21E-04	1.64E-07	6.98E-08
3600	493863.09, 3850377.25	5.29E-04	1.67E-07	7.08E-08	5.39E-04	1.70E-07	7.22E-08	5.39E-04	1.70E-07	7.21E-08
3601	494363.09, 3850377.25	5.33E-04	1.68E-07	7.14E-08	5.44E-04	1.72E-07	7.29E-08	5.44E-04	1.72E-07	7.28E-08
3602	494863.09, 3850377.25	5.66E-04	1.79E-07	7.58E-08	5.78E-04	1.82E-07	7.74E-08	5.77E-04	1.82E-07	7.73E-08
3603	495363.09, 3850377.25	6.08E-04	1.92E-07	8.14E-08	6.20E-04	1.96E-07	8.30E-08	6.19E-04	1.95E-07	8.29E-08
3604	495863.09, 3850377.25	5.46E-04	1.72E-07	7.31E-08	5.57E-04	1.76E-07	7.46E-08	5.56E-04	1.76E-07	7.45E-08
3605	496363.09, 3850377.25	5.83E-04	1.84E-07	7.80E-08	5.94E-04	1.88E-07	7.96E-08	5.94E-04	1.87E-07	7.95E-08
3606	496863.09, 3850377.25	6.08E-04	1.92E-07	8.15E-08	6.21E-04	1.96E-07	8.31E-08	6.20E-04	1.96E-07	8.30E-08
3607	497363.09, 3850377.25	6.02E-04	1.90E-07	8.06E-08	6.14E-04	1.94E-07	8.23E-08	6.14E-04	1.94E-07	8.22E-08
3608	497863.09, 3850377.25	5.72E-04	1.81E-07	7.66E-08	5.84E-04	1.84E-07	7.82E-08	5.83E-04	1.84E-07	7.81E-08
3609	498363.09, 3850377.25	5.43E-04	1.71E-07	7.27E-08	5.54E-04	1.75E-07	7.42E-08	5.53E-04	1.75E-07	7.41E-08
3610	471363.09, 3850877.25	5.37E-04	1.69E-07	7.19E-08	5.48E-04	1.73E-07	7.33E-08	5.47E-04	1.73E-07	7.32E-08
3611	471863.09, 3850877.25	7.13E-04	2.25E-07	9.55E-08	7.28E-04	2.30E-07	9.75E-08	7.27E-04	2.29E-07	9.74E-08
3612	472363.09, 3850877.25	9.85E-04	3.11E-07	1.32E-07	1.00E-03	3.17E-07	1.35E-07	1.00E-03	3.17E-07	1.34E-07
3613	472863.09, 3850877.25	1.25E-03	3.95E-07	1.67E-07	1.28E-03	4.03E-07	1.71E-07	1.27E-03	4.02E-07	1.71E-07
3614	473363.09, 3850877.25	1.34E-03	4.24E-07	1.80E-07	1.37E-03	4.32E-07	1.83E-07	1.37E-03	4.32E-07	1.83E-07
3615	473863.09, 3850877.25	1.67E-03	5.27E-07	2.24E-07	1.71E-03	5.38E-07	2.28E-07	1.70E-03	5.38E-07	2.28E-07
3616	474363.09, 3850877.25	1.96E-03	6.18E-07	2.62E-07	2.00E-03	6.30E-07	2.67E-07	1.99E-03	6.29E-07	2.67E-07
3617	474863.09, 3850877.25	2.22E-03	7.01E-07	2.98E-07	2.27E-03	7.16E-07	3.04E-07	2.26E-03	7.15E-07	3.03E-07
3618	475363.09, 3850877.25	2.52E-03	7.96E-07	3.38E-07	2.57E-03	8.12E-07	3.45E-07	2.57E-03	8.11E-07	3.44E-07
3619	475863.09, 3850877.25	2.87E-03	9.07E-07	3.85E-07	2.93E-03	9.25E-07	3.93E-07	2.93E-03	9.24E-07	3.92E-07
3620	476363.09, 3850877.25	3.33E-03	1.05E-06	4.46E-07	3.40E-03	1.07E-06	4.55E-07	3.40E-03	1.07E-06	4.55E-07
3621	476863.09, 3850877.25	3.93E-03	1.24E-06	5.26E-07	4.01E-03	1.26E-06	5.37E-07	4.00E-03	1.26E-06	5.36E-07
3622	477363.09, 3850877.25	4.68E-03	1.48E-06	6.27E-07	4.78E-03	1.51E-06	6.40E-07	4.77E-03	1.51E-06	6.39E-07
3623	477863.09, 3850877.25	5.67E-03	1.79E-06	7.60E-07	5.79E-03	1.83E-06	7.75E-07	5.78E-03	1.83E-06	7.75E-07
3624	478363.09, 3850877.25	7.36E-03	2.32E-06	9.86E-07	7.51E-03	2.37E-06	1.01E-06	7.50E-03	2.37E-06	1.00E-06
3625	478863.09, 3850877.25	1.04E-02	3.27E-06	1.39E-06	1.06E-02	3.34E-06	1.42E-06	1.06E-02	3.34E-06	1.42E-06
3626	479363.09, 3850877.25	1.88E-02	5.95E-06	2.52E-06	1.92E-02	6.07E-06	2.58E-06	1.92E-02	6.06E-06	2.57E-06
3627	479863.09, 3850877.25	1.09E-01	3.43E-05	1.46E-05	1.11E-01	3.50E-05	1.49E-05	1.11E-01	3.50E-05	1.48E-05
3628	480363.09, 3850877.25	3.14E-02	9.90E-06	4.20E-06	3.20E-02	1.01E-05	4.29E-06	3.20E-02	1.01E-05	4.28E-06
3629	480863.09, 3850877.25	1.85E-02	5.84E-06	2.48E-06	1.89E-02	5.96E-06	2.53E-06	1.89E-02	5.95E-06	2.52E-06
3630	481363.09, 3850877.25	1.27E-02	4.02E-06	1.70E-06	1.30E-02	4.10E-06	1.74E-06	1.30E-02	4.09E-06	1.74E-06
3631	481863.09, 3850877.25	8.97E-03	2.83E-06	1.20E-06	9.15E-03	2.89E-06	1.23E-06	9.14E-03	2.88E-06	1.22E-06
3632	482363.09, 3850877.25	6.25E-03	1.97E-06	8.37E-07	6.38E-03	2.01E-06	8.54E-07	6.37E-03	2.01E-06	8.53E-07
3633	482863.09, 3850877.25	4.87E-03	1.54E-06	6.52E-07	4.97E-03	1.57E-06	6.65E-07	4.96E-03	1.57E-06	6.65E-07
3634	483363.09, 3850877.25	3.75E-03	1.18E-06	5.03E-07	3.83E-03	1.21E-06	5.13E-07	3.82E-03	1.21E-06	5.12E-07
3635	483863.09, 3850877.25	3.39E-03	1.07E-06	4.54E-07	3.46E-03	1.09E-06	4.64E-07	3.46E-03	1.09E-06	4.63E-07
3636	484363.09, 3850877.25	3.47E-03	1.10E-06	4.65E-07	3.54E-03	1.12E-06	4.74E-07	3.54E-03	1.12E-06	4.74E-07

3637	484863.09, 3850877.25	3.22E-03	1.02E-06	4.32E-07	3.29E-03	1.04E-06	4.40E-07	3.29E-03	1.04E-06	4.40E-07
3638	485363.09, 3850877.25	3.05E-03	9.62E-07	4.08E-07	3.11E-03	9.82E-07	4.17E-07	3.11E-03	9.81E-07	4.16E-07
3639	485863.09, 3850877.25	2.62E-03	8.27E-07	3.51E-07	2.67E-03	8.44E-07	3.58E-07	2.67E-03	8.43E-07	3.58E-07
3640	486363.09, 3850877.25	2.50E-03	7.90E-07	3.35E-07	2.55E-03	8.06E-07	3.42E-07	2.55E-03	8.05E-07	3.41E-07
3641	486863.09, 3850877.25	2.30E-03	7.25E-07	3.08E-07	2.34E-03	7.40E-07	3.14E-07	2.34E-03	7.39E-07	3.14E-07
3642	487363.09, 3850877.25	2.06E-03	6.50E-07	2.76E-07	2.10E-03	6.63E-07	2.81E-07	2.10E-03	6.62E-07	2.81E-07
3643	487863.09, 3850877.25	1.89E-03	5.98E-07	2.54E-07	1.93E-03	6.10E-07	2.59E-07	1.93E-03	6.09E-07	2.58E-07
3644	488363.09, 3850877.25	1.75E-03	5.52E-07	2.34E-07	1.78E-03	5.63E-07	2.39E-07	1.78E-03	5.62E-07	2.39E-07
3645	488863.09, 3850877.25	1.60E-03	5.05E-07	2.14E-07	1.63E-03	5.15E-07	2.19E-07	1.63E-03	5.15E-07	2.18E-07
3646	489363.09, 3850877.25	1.47E-03	4.64E-07	1.97E-07	1.50E-03	4.73E-07	2.01E-07	1.50E-03	4.73E-07	2.01E-07
3647	489863.09, 3850877.25	1.33E-03	4.21E-07	1.78E-07	1.36E-03	4.29E-07	1.82E-07	1.36E-03	4.29E-07	1.82E-07
3648	490363.09, 3850877.25	1.22E-03	3.85E-07	1.64E-07	1.25E-03	3.93E-07	1.67E-07	1.24E-03	3.93E-07	1.67E-07
3649	490863.09, 3850877.25	1.11E-03	3.51E-07	1.49E-07	1.13E-03	3.58E-07	1.52E-07	1.13E-03	3.58E-07	1.52E-07
3650	491363.09, 3850877.25	9.88E-04	3.12E-07	1.32E-07	1.01E-03	3.18E-07	1.35E-07	1.01E-03	3.18E-07	1.35E-07
3651	491863.09, 3850877.25	8.68E-04	2.74E-07	1.16E-07	8.86E-04	2.80E-07	1.19E-07	8.85E-04	2.79E-07	1.19E-07
3652	492363.09, 3850877.25	7.64E-04	2.41E-07	1.02E-07	7.80E-04	2.46E-07	1.04E-07	7.79E-04	2.46E-07	1.04E-07
3653	492863.09, 3850877.25	6.85E-04	2.16E-07	9.18E-08	6.99E-04	2.21E-07	9.37E-08	6.99E-04	2.20E-07	9.35E-08
3654	493363.09, 3850877.25	6.36E-04	2.01E-07	8.52E-08	6.49E-04	2.05E-07	8.69E-08	6.48E-04	2.05E-07	8.68E-08
3655	493863.09, 3850877.25	6.52E-04	2.06E-07	8.73E-08	6.65E-04	2.10E-07	8.91E-08	6.64E-04	2.10E-07	8.90E-08
3656	494363.09, 3850877.25	6.33E-04	2.00E-07	8.48E-08	6.46E-04	2.04E-07	8.65E-08	6.45E-04	2.04E-07	8.64E-08
3657	494863.09, 3850877.25	6.54E-04	2.06E-07	8.76E-08	6.67E-04	2.11E-07	8.93E-08	6.66E-04	2.10E-07	8.92E-08
3658	495363.09, 3850877.25	6.75E-04	2.13E-07	9.04E-08	6.89E-04	2.18E-07	9.23E-08	6.88E-04	2.17E-07	9.22E-08
3659	495863.09, 3850877.25	6.48E-04	2.04E-07	8.67E-08	6.61E-04	2.09E-07	8.85E-08	6.60E-04	2.08E-07	8.84E-08
3660	496363.09, 3850877.25	6.42E-04	2.03E-07	8.59E-08	6.55E-04	2.07E-07	8.77E-08	6.54E-04	2.06E-07	8.76E-08
3661	496863.09, 3850877.25	6.54E-04	2.06E-07	8.75E-08	6.67E-04	2.10E-07	8.93E-08	6.66E-04	2.10E-07	8.92E-08
3662	497363.09, 3850877.25	6.26E-04	1.97E-07	8.38E-08	6.38E-04	2.01E-07	8.55E-08	6.38E-04	2.01E-07	8.54E-08
3663	497863.09, 3850877.25	5.89E-04	1.86E-07	7.89E-08	6.01E-04	1.90E-07	8.05E-08	6.00E-04	1.89E-07	8.04E-08
3664	498363.09, 3850877.25	5.54E-04	1.75E-07	7.41E-08	5.65E-04	1.78E-07	7.57E-08	5.64E-04	1.78E-07	7.56E-08
3665	471363.09, 3851377.25	5.25E-04	1.66E-07	7.03E-08	5.36E-04	1.69E-07	7.18E-08	5.35E-04	1.69E-07	7.17E-08
3666	471863.09, 3851377.25	7.67E-04	2.42E-07	1.03E-07	7.82E-04	2.47E-07	1.05E-07	7.81E-04	2.47E-07	1.05E-07
3667	472363.09, 3851377.25	8.50E-04	2.68E-07	1.14E-07	8.67E-04	2.74E-07	1.16E-07	8.66E-04	2.73E-07	1.16E-07
3668	472863.09, 3851377.25	9.47E-04	2.99E-07	1.27E-07	9.66E-04	3.05E-07	1.29E-07	9.65E-04	3.05E-07	1.29E-07
3669	473363.09, 3851377.25	8.96E-04	2.83E-07	1.20E-07	9.14E-04	2.89E-07	1.22E-07	9.13E-04	2.88E-07	1.22E-07
3670	473863.09, 3851377.25	1.07E-03	3.37E-07	1.43E-07	1.09E-03	3.44E-07	1.46E-07	1.09E-03	3.43E-07	1.46E-07
3671	474363.09, 3851377.25	1.47E-03	4.65E-07	1.97E-07	1.50E-03	4.75E-07	2.01E-07	1.50E-03	4.74E-07	2.01E-07
3672	474863.09, 3851377.25	1.79E-03	5.66E-07	2.40E-07	1.83E-03	5.78E-07	2.45E-07	1.83E-03	5.77E-07	2.45E-07
3673	475363.09, 3851377.25	2.04E-03	6.44E-07	2.73E-07	2.08E-03	6.57E-07	2.79E-07	2.08E-03	6.56E-07	2.79E-07
3674	475863.09, 3851377.25	2.29E-03	7.22E-07	3.06E-07	2.33E-03	7.36E-07	3.12E-07	2.33E-03	7.35E-07	3.12E-07
3675	476363.09, 3851377.25	2.59E-03	8.16E-07	3.46E-07	2.64E-03	8.33E-07	3.53E-07	2.64E-03	8.32E-07	3.53E-07
3676	476863.09, 3851377.25	2.96E-03	9.33E-07	3.96E-07	3.02E-03	9.52E-07	4.04E-07	3.01E-03	9.51E-07	4.04E-07
3677	477363.09, 3851377.25	3.38E-03	1.07E-06	4.53E-07	3.45E-03	1.09E-06	4.62E-07	3.45E-03	1.09E-06	4.62E-07
3678	477863.09, 3851377.25	3.94E-03	1.24E-06	5.27E-07	4.02E-03	1.27E-06	5.38E-07	4.01E-03	1.27E-06	5.38E-07
3679	478363.09, 3851377.25	4.67E-03	1.48E-06	6.26E-07	4.77E-03	1.51E-06	6.39E-07	4.76E-03	1.50E-06	6.38E-07
3680	478863.09, 3851377.25	5.68E-03	1.79E-06	7.61E-07	5.80E-03	1.83E-06	7.76E-07	5.79E-03	1.83E-06	7.75E-07
3681	479363.09, 3851377.25	7.31E-03	2.31E-06	9.79E-07	7.46E-03	2.35E-06	9.99E-07	7.45E-03	2.35E-06	9.97E-07
3682	479863.09, 3851377.25	1.02E-02	3.22E-06	1.37E-06	1.04E-02	3.29E-06	1.40E-06	1.04E-02	3.28E-06	1.39E-06
3683	480363.09, 3851377.25	1.83E-02	5.78E-06	2.45E-06	1.87E-02	5.90E-06	2.50E-06	1.87E-02	5.89E-06	2.50E-06
3684	480863.09, 3851377.25	9.06E-02	2.86E-05	1.21E-05	9.24E-02	2.92E-05	1.24E-05	9.23E-02	2.91E-05	1.24E-05
3685	481363.09, 3851377.25	2.95E-02	9.29E-06	3.94E-06	3.01E-02	9.48E-06	4.02E-06	3.00E-02	9.47E-06	4.02E-06
3686	481863.09, 3851377.25	1.51E-02	4.76E-06	2.02E-06	1.54E-02	4.86E-06	2.06E-06	1.54E-02	4.85E-06	2.06E-06
3687	482363.09, 3851377.25	9.97E-03	3.15E-06	1.34E-06	1.02E-02	3.21E-06	1.36E-06	1.02E-02	3.21E-06	1.36E-06
3688	482863.09, 3851377.25	6.66E-03	2.10E-06	8.92E-07	6.80E-03	2.15E-06	9.10E-07	6.79E-03	2.14E-06	9.09E-07
3689	483363.09, 3851377.25	4.81E-03	1.52E-06	6.45E-07	4.91E-03	1.55E-06	6.58E-07	4.91E-03	1.55E-06	6.57E-07
3690	483863.09, 3851377.25	4.02E-03	1.27E-06	5.38E-07	4.10E-03	1.29E-06	5.49E-07	4.09E-03	1.29E-06	5.48E-07
3691	484363.09, 3851377.25	4.21E-03	1.33E-06	5.64E-07	4.30E-03	1.36E-06	5.75E-07	4.29E-03	1.35E-06	5.75E-07
3692	484863.09, 3851377.25	3.26E-03	1.03E-06	4.37E-07	3.33E-03	1.05E-06	4.46E-07	3.33E-03	1.05E-06	4.45E-07
3693	485363.09, 3851377.25	3.46E-03	1.09E-06	4.63E-07	3.53E-03	1.11E-06	4.73E-07	3.53E-03	1.11E-06	4.72E-07
3694	485863.09, 3851377.25	2.92E-03	9.21E-07	3.91E-07	2.98E-03	9.40E-07	3.99E-07	2.97E-03	9.39E-07	3.98E-07
3695	486363.09, 3851377.25	2.80E-03	8.85E-07	3.76E-07	2.86E-03	9.03E-07	3.83E-07	2.86E-03	9.02E-07	3.83E-07
3696	486863.09, 3851377.25	2.51E-03	7.93E-07	3.37E-07	2.56E-03	8.09E-07	3.43E-07	2.56E-03	8.09E-07	3.43E-07
3697	487363.09, 3851377.25	2.12E-03	6.69E-07	2.84E-07	2.16E-03	6.83E-07	2.90E-07	2.16E-03	6.82E-07	2.89E-07
3698	487863.09, 3851377.25	2.04E-03	6.43E-07	2.73E-07	2.08E-03	6.56E-07	2.79E-07	2.08E-03	6.56E-07	2.78E-07
3699	488363.09, 3851377.25	1.89E-03	5.95E-07	2.53E-07	1.92E-03	6.08E-07	2.58E-07	1.92E-03	6.07E-07	2.57E-07
3700	488863.09, 3851377.25	1.72E-03	5.42E-07	2.30E-07	1.75E-03	5.53E-07	2.35E-07	1.75E-03	5.53E-07	2.34E-07
3701	489363.09, 3851377.25	1.57E-03	4.94E-07	2.10E-07	1.60E-03	5.04E-07	2.14E-07	1.60E-03	5.04E-07	2.14E-07
3702	489863.09, 3851377.25	1.42E-03	4.48E-07	1.90E-07	1.45E-03	4.57E-07	1.94E-07	1.45E-03	4.57E-07	1.94E-07
3703	490363.09, 3851377.25	1.29E-03	4.08E-07	1.73E-07	1.32E-03	4.17E-07	1.77E-07	1.32E-03	4.16E-07	1.77E-07
3704	490863.09, 3851377.25	1.17E-03	3.70E-07	1.57E-07	1.19E-03	3.77E-07	1.60E-07	1.19E-03	3.77E-07	1.60E-07
3705	491363.09, 3851377.25	1.04E-03	3.28E-07	1.39E-07	1.06E-03	3.34E-07	1.42E-07	1.06E-03	3.34E-07	1.42E-07
3706	491863.09, 3851377.25	9.28E-04	2.93E-07	1.24E-07	9.47E-04	2.99E-07	1.27E-07	9.45E-04	2.98E-07	1.27E-07

3707	492363.09, 3851377.25	8.44E-04	2.66E-07	1.13E-07	8.61E-04	2.72E-07	1.15E-07	8.60E-04	2.71E-07	1.15E-07
3708	492863.09, 3851377.25	7.56E-04	2.39E-07	1.01E-07	7.72E-04	2.44E-07	1.03E-07	7.71E-04	2.43E-07	1.03E-07
3709	493363.09, 3851377.25	6.19E-04	1.95E-07	8.29E-08	6.32E-04	1.99E-07	8.46E-08	6.31E-04	1.99E-07	8.45E-08
3710	493863.09, 3851377.25	6.34E-04	2.00E-07	8.48E-08	6.46E-04	2.04E-07	8.66E-08	6.46E-04	2.04E-07	8.65E-08
3711	494363.09, 3851377.25	7.06E-04	2.23E-07	9.46E-08	7.21E-04	2.27E-07	9.65E-08	7.20E-04	2.27E-07	9.64E-08
3712	494863.09, 3851377.25	6.86E-04	2.17E-07	9.19E-08	7.00E-04	2.21E-07	9.38E-08	6.99E-04	2.21E-07	9.37E-08
3713	495363.09, 3851377.25	7.38E-04	2.33E-07	9.88E-08	7.53E-04	2.38E-07	1.01E-07	7.52E-04	2.37E-07	1.01E-07
3714	495863.09, 3851377.25	7.28E-04	2.30E-07	9.74E-08	7.42E-04	2.34E-07	9.94E-08	7.42E-04	2.34E-07	9.93E-08
3715	496363.09, 3851377.25	7.04E-04	2.22E-07	9.43E-08	7.18E-04	2.27E-07	9.62E-08	7.17E-04	2.26E-07	9.61E-08
3716	496863.09, 3851377.25	6.73E-04	2.12E-07	9.01E-08	6.87E-04	2.17E-07	9.20E-08	6.86E-04	2.16E-07	9.19E-08
3717	497363.09, 3851377.25	6.42E-04	2.03E-07	8.59E-08	6.55E-04	2.07E-07	8.77E-08	6.54E-04	2.06E-07	8.76E-08
3718	497863.09, 3851377.25	6.05E-04	1.91E-07	8.10E-08	6.18E-04	1.95E-07	8.27E-08	6.17E-04	1.95E-07	8.26E-08
3719	498363.09, 3851377.25	5.53E-04	1.75E-07	7.41E-08	5.65E-04	1.78E-07	7.56E-08	5.64E-04	1.78E-07	7.55E-08
3720	471363.09, 3851877.25	5.32E-04	1.68E-07	7.13E-08	5.43E-04	1.71E-07	7.27E-08	5.42E-04	1.71E-07	7.26E-08
3721	471863.09, 3851877.25	5.35E-04	1.69E-07	7.17E-08	5.46E-04	1.72E-07	7.32E-08	5.46E-04	1.72E-07	7.31E-08
3722	472363.09, 3851877.25	6.75E-04	2.13E-07	9.04E-08	6.89E-04	2.17E-07	9.22E-08	6.88E-04	2.17E-07	9.21E-08
3723	472863.09, 3851877.25	8.16E-04	2.58E-07	1.09E-07	8.33E-04	2.63E-07	1.12E-07	8.32E-04	2.63E-07	1.11E-07
3724	473363.09, 3851877.25	7.85E-04	2.48E-07	1.05E-07	8.01E-04	2.53E-07	1.07E-07	8.00E-04	2.53E-07	1.07E-07
3725	473863.09, 3851877.25	8.52E-04	2.69E-07	1.14E-07	8.70E-04	2.74E-07	1.16E-07	8.69E-04	2.74E-07	1.16E-07
3726	474363.09, 3851877.25	1.12E-03	3.52E-07	1.49E-07	1.14E-03	3.59E-07	1.53E-07	1.14E-03	3.59E-07	1.52E-07
3727	474863.09, 3851877.25	1.40E-03	4.41E-07	1.87E-07	1.43E-03	4.50E-07	1.91E-07	1.43E-03	4.50E-07	1.91E-07
3728	475363.09, 3851877.25	1.62E-03	5.11E-07	2.17E-07	1.65E-03	5.21E-07	2.21E-07	1.65E-03	5.21E-07	2.21E-07
3729	475863.09, 3851877.25	1.81E-03	5.73E-07	2.43E-07	1.85E-03	5.84E-07	2.48E-07	1.85E-03	5.84E-07	2.48E-07
3730	476363.09, 3851877.25	1.91E-03	6.03E-07	2.56E-07	1.95E-03	6.16E-07	2.61E-07	1.95E-03	6.15E-07	2.61E-07
3731	476863.09, 3851877.25	2.22E-03	7.00E-07	2.97E-07	2.26E-03	7.14E-07	3.03E-07	2.26E-03	7.13E-07	3.03E-07
3732	477363.09, 3851877.25	2.55E-03	8.06E-07	3.42E-07	2.61E-03	8.22E-07	3.49E-07	2.60E-03	8.22E-07	3.49E-07
3733	477863.09, 3851877.25	2.91E-03	9.19E-07	3.90E-07	2.97E-03	9.38E-07	3.98E-07	2.97E-03	9.36E-07	3.97E-07
3734	478363.09, 3851877.25	3.27E-03	1.03E-06	4.37E-07	3.33E-03	1.05E-06	4.46E-07	3.33E-03	1.05E-06	4.46E-07
3735	478863.09, 3851877.25	3.90E-03	1.23E-06	5.23E-07	3.98E-03	1.26E-06	5.33E-07	3.98E-03	1.26E-06	5.33E-07
3736	479363.09, 3851877.25	4.69E-03	1.48E-06	6.28E-07	4.79E-03	1.51E-06	6.41E-07	4.78E-03	1.51E-06	6.40E-07
3737	479863.09, 3851877.25	5.67E-03	1.79E-06	7.60E-07	5.79E-03	1.83E-06	7.75E-07	5.78E-03	1.83E-06	7.74E-07
3738	480363.09, 3851877.25	7.39E-03	2.33E-06	9.89E-07	7.54E-03	2.38E-06	1.01E-06	7.53E-03	2.38E-06	1.01E-06
3739	480863.09, 3851877.25	1.08E-02	3.39E-06	1.44E-06	1.10E-02	3.46E-06	1.47E-06	1.10E-02	3.46E-06	1.47E-06
3740	481363.09, 3851877.25	2.61E-02	8.24E-06	3.49E-06	2.66E-02	8.40E-06	3.57E-06	2.66E-02	8.39E-06	3.56E-06
3741	481863.09, 3851877.25	2.88E-02	9.10E-06	3.86E-06	2.94E-02	9.29E-06	3.94E-06	2.94E-02	9.27E-06	3.93E-06
3742	482363.09, 3851877.25	1.13E-02	3.58E-06	1.52E-06	1.16E-02	3.65E-06	1.55E-06	1.16E-02	3.65E-06	1.55E-06
3743	482863.09, 3851877.25	6.89E-03	2.17E-06	9.22E-07	7.03E-03	2.22E-06	9.41E-07	7.02E-03	2.21E-06	9.40E-07
3744	483363.09, 3851877.25	6.06E-03	1.91E-06	8.11E-07	6.18E-03	1.95E-06	8.28E-07	6.17E-03	1.95E-06	8.27E-07
3745	483863.09, 3851877.25	5.05E-03	1.59E-06	6.77E-07	5.16E-03	1.63E-06	6.91E-07	5.15E-03	1.63E-06	6.90E-07
3746	484363.09, 3851877.25	4.79E-03	1.51E-06	6.41E-07	4.88E-03	1.54E-06	6.54E-07	4.88E-03	1.54E-06	6.53E-07
3747	484863.09, 3851877.25	4.08E-03	1.29E-06	5.47E-07	4.17E-03	1.31E-06	5.58E-07	4.16E-03	1.31E-06	5.57E-07
3748	485363.09, 3851877.25	3.74E-03	1.18E-06	5.01E-07	3.82E-03	1.20E-06	5.11E-07	3.81E-03	1.20E-06	5.10E-07
3749	485863.09, 3851877.25	3.40E-03	1.07E-06	4.56E-07	3.47E-03	1.10E-06	4.65E-07	3.47E-03	1.10E-06	4.65E-07
3750	486363.09, 3851877.25	2.91E-03	9.20E-07	3.90E-07	2.97E-03	9.39E-07	3.98E-07	2.97E-03	9.37E-07	3.98E-07
3751	486863.09, 3851877.25	2.63E-03	8.29E-07	3.52E-07	2.68E-03	8.46E-07	3.59E-07	2.68E-03	8.45E-07	3.59E-07
3752	487363.09, 3851877.25	2.36E-03	7.46E-07	3.17E-07	2.41E-03	7.61E-07	3.23E-07	2.41E-03	7.61E-07	3.23E-07
3753	487863.09, 3851877.25	1.99E-03	6.30E-07	2.67E-07	2.04E-03	6.42E-07	2.73E-07	2.03E-03	6.42E-07	2.72E-07
3754	488363.09, 3851877.25	1.82E-03	5.75E-07	2.44E-07	1.86E-03	5.87E-07	2.49E-07	1.86E-03	5.86E-07	2.49E-07
3755	488863.09, 3851877.25	1.60E-03	5.05E-07	2.14E-07	1.63E-03	5.15E-07	2.19E-07	1.63E-03	5.15E-07	2.18E-07
3756	489363.09, 3851877.25	1.42E-03	4.47E-07	1.90E-07	1.45E-03	4.57E-07	1.94E-07	1.44E-03	4.56E-07	1.93E-07
3757	489863.09, 3851877.25	1.28E-03	4.05E-07	1.72E-07	1.31E-03	4.13E-07	1.75E-07	1.31E-03	4.12E-07	1.75E-07
3758	490363.09, 3851877.25	1.19E-03	3.76E-07	1.59E-07	1.21E-03	3.83E-07	1.63E-07	1.21E-03	3.83E-07	1.62E-07
3759	490863.09, 3851877.25	1.12E-03	3.53E-07	1.50E-07	1.14E-03	3.60E-07	1.53E-07	1.14E-03	3.59E-07	1.53E-07
3760	491363.09, 3851877.25	1.06E-03	3.34E-07	1.42E-07	1.08E-03	3.41E-07	1.45E-07	1.08E-03	3.41E-07	1.45E-07
3761	491863.09, 3851877.25	9.95E-04	3.14E-07	1.33E-07	1.02E-03	3.20E-07	1.36E-07	1.01E-03	3.20E-07	1.36E-07
3762	492363.09, 3851877.25	8.96E-04	2.83E-07	1.20E-07	9.14E-04	2.89E-07	1.22E-07	9.13E-04	2.88E-07	1.22E-07
3763	492863.09, 3851877.25	7.15E-04	2.26E-07	9.57E-08	7.29E-04	2.30E-07	9.77E-08	7.29E-04	2.30E-07	9.76E-08
3764	493363.09, 3851877.25	7.94E-04	2.51E-07	1.06E-07	8.11E-04	2.56E-07	1.09E-07	8.10E-04	2.56E-07	1.08E-07
3765	493863.09, 3851877.25	8.62E-04	2.72E-07	1.15E-07	8.79E-04	2.77E-07	1.18E-07	8.78E-04	2.77E-07	1.18E-07
3766	494363.09, 3851877.25	7.88E-04	2.49E-07	1.06E-07	8.04E-04	2.54E-07	1.08E-07	8.03E-04	2.53E-07	1.08E-07
3767	494863.09, 3851877.25	8.06E-04	2.54E-07	1.08E-07	8.23E-04	2.60E-07	1.10E-07	8.22E-04	2.59E-07	1.10E-07
3768	495363.09, 3851877.25	7.96E-04	2.51E-07	1.07E-07	8.12E-04	2.56E-07	1.09E-07	8.11E-04	2.56E-07	1.09E-07
3769	495863.09, 3851877.25	7.76E-04	2.45E-07	1.04E-07	7.91E-04	2.50E-07	1.06E-07	7.90E-04	2.49E-07	1.06E-07
3770	496363.09, 3851877.25	7.33E-04	2.31E-07	9.81E-08	7.48E-04	2.36E-07	1.00E-07	7.47E-04	2.36E-07	1.00E-07
3771	496863.09, 3851877.25	6.90E-04	2.18E-07	9.23E-08	7.04E-04	2.22E-07	9.42E-08	7.03E-04	2.22E-07	9.41E-08
3772	497363.09, 3851877.25	6.46E-04	2.04E-07	8.66E-08	6.60E-04	2.08E-07	8.83E-08	6.59E-04	2.08E-07	8.82E-08
3773	497863.09, 3851877.25	5.87E-04	1.85E-07	7.86E-08	5.99E-04	1.89E-07	8.02E-08	5.98E-04	1.89E-07	8.01E-08
3774	498363.09, 3851877.25	5.34E-04	1.69E-07	7.15E-08	5.45E-04	1.72E-07	7.30E-08	5.44E-04	1.72E-07	7.29E-08
3775	471363.09, 3852377.25	4.11E-04	1.30E-07	5.50E-08	4.19E-04	1.32E-07	5.62E-08	4.19E-04	1.32E-07	5.61E-08
3776	471863.09, 3852377.25	5.12E-04	1.62E-07	6.85E-08	5.22E-04	1.65E-07	6.99E-08	5.22E-04	1.65E-07	6.99E-08

3777	472363.09, 3852377.25	5.91E-04	1.86E-07	7.91E-08	6.03E-04	1.90E-07	8.07E-08	6.02E-04	1.90E-07	8.06E-08
3778	472863.09, 3852377.25	6.72E-04	2.12E-07	9.00E-08	6.86E-04	2.16E-07	9.18E-08	6.85E-04	2.16E-07	9.17E-08
3779	473363.09, 3852377.25	7.33E-04	2.31E-07	9.81E-08	7.48E-04	2.36E-07	1.00E-07	7.47E-04	2.36E-07	1.00E-07
3780	473863.09, 3852377.25	7.75E-04	2.44E-07	1.04E-07	7.90E-04	2.49E-07	1.06E-07	7.90E-04	2.49E-07	1.06E-07
3781	474363.09, 3852377.25	8.24E-04	2.60E-07	1.10E-07	8.41E-04	2.66E-07	1.13E-07	8.40E-04	2.65E-07	1.13E-07
3782	474863.09, 3852377.25	1.16E-03	3.66E-07	1.55E-07	1.18E-03	3.73E-07	1.58E-07	1.18E-03	3.73E-07	1.58E-07
3783	475363.09, 3852377.25	1.25E-03	3.94E-07	1.67E-07	1.27E-03	4.02E-07	1.71E-07	1.27E-03	4.02E-07	1.70E-07
3784	475863.09, 3852377.25	1.33E-03	4.19E-07	1.78E-07	1.36E-03	4.28E-07	1.82E-07	1.35E-03	4.27E-07	1.81E-07
3785	476363.09, 3852377.25	1.36E-03	4.29E-07	1.82E-07	1.39E-03	4.38E-07	1.86E-07	1.39E-03	4.37E-07	1.86E-07
3786	476863.09, 3852377.25	1.52E-03	4.81E-07	2.04E-07	1.55E-03	4.90E-07	2.08E-07	1.55E-03	4.90E-07	2.08E-07
3787	477363.09, 3852377.25	1.62E-03	5.13E-07	2.17E-07	1.66E-03	5.23E-07	2.22E-07	1.66E-03	5.22E-07	2.22E-07
3788	477863.09, 3852377.25	1.38E-03	4.35E-07	1.84E-07	1.41E-03	4.44E-07	1.88E-07	1.40E-03	4.43E-07	1.88E-07
3789	478363.09, 3852377.25	1.24E-03	3.93E-07	1.67E-07	1.27E-03	4.01E-07	1.70E-07	1.27E-03	4.00E-07	1.70E-07
3790	478863.09, 3852377.25	1.87E-03	5.89E-07	2.50E-07	1.90E-03	6.01E-07	2.55E-07	1.90E-03	6.00E-07	2.55E-07
3791	479363.09, 3852377.25	2.40E-03	7.59E-07	3.22E-07	2.45E-03	7.74E-07	3.28E-07	2.45E-03	7.73E-07	3.28E-07
3792	479863.09, 3852377.25	3.67E-03	1.16E-06	4.92E-07	3.75E-03	1.18E-06	5.02E-07	3.74E-03	1.18E-06	5.01E-07
3793	480363.09, 3852377.25	4.76E-03	1.50E-06	6.38E-07	4.86E-03	1.53E-06	6.51E-07	4.85E-03	1.53E-06	6.50E-07
3794	480863.09, 3852377.25	6.15E-03	1.94E-06	8.24E-07	6.28E-03	1.98E-06	8.40E-07	6.27E-03	1.98E-06	8.39E-07
3795	481363.09, 3852377.25	9.26E-03	2.92E-06	1.24E-06	9.45E-03	2.98E-06	1.27E-06	9.44E-03	2.98E-06	1.26E-06
3796	481863.09, 3852377.25	2.62E-02	8.26E-06	3.51E-06	2.67E-02	8.43E-06	3.58E-06	2.67E-02	8.42E-06	3.57E-06
3797	482363.09, 3852377.25	2.60E-02	8.19E-06	3.48E-06	2.65E-02	8.36E-06	3.55E-06	2.65E-02	8.35E-06	3.54E-06
3798	482863.09, 3852377.25	1.23E-02	3.87E-06	1.64E-06	1.25E-02	3.95E-06	1.68E-06	1.25E-02	3.95E-06	1.67E-06
3799	483363.09, 3852377.25	7.20E-03	2.27E-06	9.64E-07	7.35E-03	2.32E-06	9.84E-07	7.34E-03	2.32E-06	9.83E-07
3800	483863.09, 3852377.25	5.44E-03	1.72E-06	7.29E-07	5.56E-03	1.75E-06	7.44E-07	5.55E-03	1.75E-06	7.43E-07
3801	484363.09, 3852377.25	5.16E-03	1.63E-06	6.90E-07	5.26E-03	1.66E-06	7.05E-07	5.26E-03	1.66E-06	7.04E-07
3802	484863.09, 3852377.25	4.68E-03	1.48E-06	6.27E-07	4.78E-03	1.51E-06	6.40E-07	4.77E-03	1.51E-06	6.39E-07
3803	485363.09, 3852377.25	4.21E-03	1.33E-06	5.64E-07	4.30E-03	1.36E-06	5.75E-07	4.29E-03	1.35E-06	5.75E-07
3804	485863.09, 3852377.25	3.55E-03	1.12E-06	4.75E-07	3.62E-03	1.14E-06	4.85E-07	3.61E-03	1.14E-06	4.84E-07
3805	486363.09, 3852377.25	2.90E-03	9.17E-07	3.89E-07	2.96E-03	9.35E-07	3.97E-07	2.96E-03	9.34E-07	3.96E-07
3806	486863.09, 3852377.25	2.54E-03	8.01E-07	3.40E-07	2.59E-03	8.17E-07	3.47E-07	2.59E-03	8.17E-07	3.46E-07
3807	487363.09, 3852377.25	2.18E-03	6.88E-07	2.92E-07	2.23E-03	7.03E-07	2.98E-07	2.22E-03	7.02E-07	2.98E-07
3808	487863.09, 3852377.25	1.88E-03	5.94E-07	2.52E-07	1.92E-03	6.06E-07	2.57E-07	1.92E-03	6.05E-07	2.57E-07
3809	488363.09, 3852377.25	1.63E-03	5.13E-07	2.18E-07	1.66E-03	5.23E-07	2.22E-07	1.66E-03	5.23E-07	2.22E-07
3810	488863.09, 3852377.25	1.39E-03	4.39E-07	1.86E-07	1.42E-03	4.48E-07	1.90E-07	1.42E-03	4.48E-07	1.90E-07
3811	489363.09, 3852377.25	1.22E-03	3.86E-07	1.64E-07	1.25E-03	3.94E-07	1.67E-07	1.25E-03	3.93E-07	1.67E-07
3812	489863.09, 3852377.25	1.04E-03	3.28E-07	1.39E-07	1.06E-03	3.35E-07	1.42E-07	1.06E-03	3.34E-07	1.42E-07
3813	490363.09, 3852377.25	1.05E-03	3.30E-07	1.40E-07	1.07E-03	3.37E-07	1.43E-07	1.07E-03	3.37E-07	1.43E-07
3814	490863.09, 3852377.25	1.03E-03	3.25E-07	1.38E-07	1.05E-03	3.32E-07	1.41E-07	1.05E-03	3.32E-07	1.41E-07
3815	491363.09, 3852377.25	1.10E-03	3.46E-07	1.47E-07	1.12E-03	3.53E-07	1.50E-07	1.12E-03	3.53E-07	1.50E-07
3816	491863.09, 3852377.25	1.04E-03	3.29E-07	1.39E-07	1.06E-03	3.35E-07	1.42E-07	1.06E-03	3.35E-07	1.42E-07
3817	492363.09, 3852377.25	9.83E-04	3.10E-07	1.32E-07	1.00E-03	3.17E-07	1.34E-07	1.00E-03	3.16E-07	1.34E-07
3818	492863.09, 3852377.25	9.67E-04	3.05E-07	1.29E-07	9.87E-04	3.11E-07	1.32E-07	9.85E-04	3.11E-07	1.32E-07
3819	493363.09, 3852377.25	9.81E-04	3.10E-07	1.31E-07	1.00E-03	3.16E-07	1.34E-07	1.00E-03	3.16E-07	1.34E-07
3820	493863.09, 3852377.25	9.20E-04	2.90E-07	1.23E-07	9.39E-04	2.96E-07	1.26E-07	9.38E-04	2.96E-07	1.26E-07
3821	494363.09, 3852377.25	8.65E-04	2.73E-07	1.16E-07	8.82E-04	2.79E-07	1.18E-07	8.81E-04	2.78E-07	1.18E-07
3822	494863.09, 3852377.25	8.55E-04	2.70E-07	1.14E-07	8.72E-04	2.75E-07	1.17E-07	8.71E-04	2.75E-07	1.17E-07
3823	495363.09, 3852377.25	8.44E-04	2.66E-07	1.13E-07	8.61E-04	2.72E-07	1.15E-07	8.60E-04	2.72E-07	1.15E-07
3824	495863.09, 3852377.25	7.88E-04	2.49E-07	1.06E-07	8.04E-04	2.54E-07	1.08E-07	8.03E-04	2.53E-07	1.08E-07
3825	496363.09, 3852377.25	7.33E-04	2.31E-07	9.82E-08	7.48E-04	2.36E-07	1.00E-07	7.47E-04	2.36E-07	1.00E-07
3826	496863.09, 3852377.25	6.91E-04	2.18E-07	9.26E-08	7.05E-04	2.23E-07	9.45E-08	7.05E-04	2.22E-07	9.43E-08
3827	497363.09, 3852377.25	6.20E-04	1.96E-07	8.30E-08	6.33E-04	2.00E-07	8.47E-08	6.32E-04	1.99E-07	8.46E-08
3828	497863.09, 3852377.25	5.50E-04	1.73E-07	7.36E-08	5.61E-04	1.77E-07	7.51E-08	5.60E-04	1.77E-07	7.50E-08
3829	498363.09, 3852377.25	4.86E-04	1.53E-07	6.51E-08	4.96E-04	1.57E-07	6.64E-08	4.96E-04	1.56E-07	6.64E-08
3830	471363.09, 3852877.25	4.14E-04	1.31E-07	5.55E-08	4.23E-04	1.33E-07	5.66E-08	4.22E-04	1.33E-07	5.65E-08
3831	471863.09, 3852877.25	4.81E-04	1.52E-07	6.44E-08	4.91E-04	1.55E-07	6.58E-08	4.90E-04	1.55E-07	6.57E-08
3832	472363.09, 3852877.25	5.49E-04	1.73E-07	7.35E-08	5.60E-04	1.77E-07	7.50E-08	5.60E-04	1.77E-07	7.49E-08
3833	472863.09, 3852877.25	6.16E-04	1.94E-07	8.25E-08	6.28E-04	1.98E-07	8.42E-08	6.28E-04	1.98E-07	8.41E-08
3834	473363.09, 3852877.25	6.86E-04	2.17E-07	9.19E-08	7.00E-04	2.21E-07	9.37E-08	6.99E-04	2.21E-07	9.36E-08
3835	473863.09, 3852877.25	7.76E-04	2.45E-07	1.04E-07	7.92E-04	2.50E-07	1.06E-07	7.91E-04	2.50E-07	1.06E-07
3836	474363.09, 3852877.25	8.70E-04	2.75E-07	1.16E-07	8.88E-04	2.80E-07	1.19E-07	8.87E-04	2.80E-07	1.19E-07
3837	474863.09, 3852877.25	8.17E-04	2.58E-07	1.09E-07	8.34E-04	2.63E-07	1.12E-07	8.33E-04	2.63E-07	1.12E-07
3838	475363.09, 3852877.25	9.48E-04	2.99E-07	1.27E-07	9.68E-04	3.05E-07	1.30E-07	9.66E-04	3.05E-07	1.29E-07
3839	475863.09, 3852877.25	1.01E-03	3.20E-07	1.36E-07	1.03E-03	3.26E-07	1.38E-07	1.03E-03	3.26E-07	1.38E-07
3840	476363.09, 3852877.25	9.52E-04	3.00E-07	1.27E-07	9.71E-04	3.07E-07	1.30E-07	9.70E-04	3.06E-07	1.30E-07
3841	476863.09, 3852877.25	7.98E-04	2.52E-07	1.07E-07	8.15E-04	2.57E-07	1.09E-07	8.14E-04	2.57E-07	1.09E-07
3842	477363.09, 3852877.25	7.03E-04	2.22E-07	9.41E-08	7.17E-04	2.26E-07	9.60E-08	7.16E-04	2.26E-07	9.59E-08
3843	477863.09, 3852877.25	5.94E-04	1.87E-07	7.95E-08	6.06E-04	1.91E-07	8.11E-08	6.05E-04	1.91E-07	8.10E-08
3844	478363.09, 3852877.25	4.22E-04	1.33E-07	5.65E-08	4.31E-04	1.36E-07	5.77E-08	4.30E-04	1.36E-07	5.76E-08
3845	478863.09, 3852877.25	5.77E-04	1.82E-07	7.73E-08	5.89E-04	1.86E-07	7.88E-08	5.88E-04	1.86E-07	7.87E-08
3846	479363.09, 3852877.25	9.63E-04	3.04E-07	1.29E-07	9.83E-04	3.10E-07	1.32E-07	9.81E-04	3.10E-07	1.31E-07

3847	479863.09, 3852877.25	2.02E-03	6.37E-07	2.70E-07	2.06E-03	6.50E-07	2.76E-07	2.06E-03	6.50E-07	2.76E-07
3848	480363.09, 3852877.25	3.35E-03	1.06E-06	4.48E-07	3.41E-03	1.08E-06	4.57E-07	3.41E-03	1.08E-06	4.57E-07
3849	480863.09, 3852877.25	4.18E-03	1.32E-06	5.60E-07	4.27E-03	1.35E-06	5.71E-07	4.26E-03	1.34E-06	5.70E-07
3850	481363.09, 3852877.25	5.53E-03	1.75E-06	7.40E-07	5.64E-03	1.78E-06	7.56E-07	5.64E-03	1.78E-06	7.55E-07
3851	481863.09, 3852877.25	8.70E-03	2.75E-06	1.17E-06	8.88E-03	2.80E-06	1.19E-06	8.87E-03	2.80E-06	1.19E-06
3852	482363.09, 3852877.25	2.89E-02	9.12E-06	3.87E-06	2.95E-02	9.30E-06	3.95E-06	2.94E-02	9.29E-06	3.94E-06
3853	482863.09, 3852877.25	2.41E-02	7.60E-06	3.22E-06	2.46E-02	7.75E-06	3.29E-06	2.45E-02	7.74E-06	3.29E-06
3854	483363.09, 3852877.25	1.09E-02	3.44E-06	1.46E-06	1.11E-02	3.51E-06	1.49E-06	1.11E-02	3.51E-06	1.49E-06
3855	483863.09, 3852877.25	6.26E-03	1.98E-06	8.38E-07	6.39E-03	2.02E-06	8.55E-07	6.38E-03	2.01E-06	8.54E-07
3856	484363.09, 3852877.25	5.64E-03	1.78E-06	7.56E-07	5.76E-03	1.82E-06	7.71E-07	5.75E-03	1.82E-06	7.70E-07
3857	484863.09, 3852877.25	4.87E-03	1.54E-06	6.52E-07	4.97E-03	1.57E-06	6.66E-07	4.96E-03	1.57E-06	6.65E-07
3858	485363.09, 3852877.25	3.51E-03	1.11E-06	4.69E-07	3.58E-03	1.13E-06	4.79E-07	3.57E-03	1.13E-06	4.79E-07
3859	485863.09, 3852877.25	2.90E-03	9.16E-07	3.89E-07	2.96E-03	9.35E-07	3.97E-07	2.96E-03	9.34E-07	3.96E-07
3860	486363.09, 3852877.25	2.41E-03	7.60E-07	3.22E-07	2.46E-03	7.75E-07	3.29E-07	2.45E-03	7.75E-07	3.29E-07
3861	486863.09, 3852877.25	2.12E-03	6.70E-07	2.84E-07	2.17E-03	6.84E-07	2.90E-07	2.16E-03	6.83E-07	2.90E-07
3862	487363.09, 3852877.25	1.82E-03	5.74E-07	2.43E-07	1.86E-03	5.86E-07	2.48E-07	1.85E-03	5.85E-07	2.48E-07
3863	487863.09, 3852877.25	1.59E-03	5.03E-07	2.13E-07	1.63E-03	5.13E-07	2.18E-07	1.62E-03	5.12E-07	2.17E-07
3864	488363.09, 3852877.25	1.12E-03	3.55E-07	1.50E-07	1.15E-03	3.62E-07	1.53E-07	1.14E-03	3.61E-07	1.53E-07
3865	488863.09, 3852877.25	1.12E-03	3.52E-07	1.49E-07	1.14E-03	3.59E-07	1.53E-07	1.14E-03	3.59E-07	1.52E-07
3866	489363.09, 3852877.25	1.05E-03	3.33E-07	1.41E-07	1.08E-03	3.40E-07	1.44E-07	1.07E-03	3.39E-07	1.44E-07
3867	489863.09, 3852877.25	9.95E-04	3.14E-07	1.33E-07	1.02E-03	3.21E-07	1.36E-07	1.01E-03	3.20E-07	1.36E-07
3868	490363.09, 3852877.25	1.14E-03	3.60E-07	1.53E-07	1.16E-03	3.68E-07	1.56E-07	1.16E-03	3.67E-07	1.56E-07
3869	490863.09, 3852877.25	1.14E-03	3.60E-07	1.53E-07	1.16E-03	3.67E-07	1.56E-07	1.16E-03	3.67E-07	1.56E-07
3870	491363.09, 3852877.25	1.13E-03	3.56E-07	1.51E-07	1.15E-03	3.63E-07	1.54E-07	1.15E-03	3.63E-07	1.54E-07
3871	491863.09, 3852877.25	1.08E-03	3.40E-07	1.44E-07	1.10E-03	3.47E-07	1.47E-07	1.10E-03	3.47E-07	1.47E-07
3872	492363.09, 3852877.25	1.04E-03	3.28E-07	1.39E-07	1.06E-03	3.35E-07	1.42E-07	1.06E-03	3.35E-07	1.42E-07
3873	492863.09, 3852877.25	1.04E-03	3.27E-07	1.39E-07	1.06E-03	3.34E-07	1.42E-07	1.06E-03	3.33E-07	1.41E-07
3874	493363.09, 3852877.25	1.01E-03	3.19E-07	1.36E-07	1.03E-03	3.26E-07	1.38E-07	1.03E-03	3.26E-07	1.38E-07
3875	493863.09, 3852877.25	9.56E-04	3.02E-07	1.28E-07	9.76E-04	3.08E-07	1.31E-07	9.75E-04	3.08E-07	1.31E-07
3876	494363.09, 3852877.25	9.11E-04	2.87E-07	1.22E-07	9.29E-04	2.93E-07	1.24E-07	9.28E-04	2.93E-07	1.24E-07
3877	494863.09, 3852877.25	8.79E-04	2.78E-07	1.18E-07	8.97E-04	2.83E-07	1.20E-07	8.96E-04	2.83E-07	1.20E-07
3878	495363.09, 3852877.25	8.17E-04	2.58E-07	1.09E-07	8.33E-04	2.63E-07	1.12E-07	8.33E-04	2.63E-07	1.11E-07
3879	495863.09, 3852877.25	7.59E-04	2.39E-07	1.02E-07	7.74E-04	2.44E-07	1.04E-07	7.73E-04	2.44E-07	1.04E-07
3880	496363.09, 3852877.25	7.25E-04	2.29E-07	9.71E-08	7.40E-04	2.34E-07	9.91E-08	7.39E-04	2.33E-07	9.90E-08
3881	496863.09, 3852877.25	6.81E-04	2.15E-07	9.12E-08	6.95E-04	2.19E-07	9.31E-08	6.94E-04	2.19E-07	9.29E-08
3882	497363.09, 3852877.25	5.89E-04	1.86E-07	7.89E-08	6.01E-04	1.90E-07	8.05E-08	6.00E-04	1.89E-07	8.04E-08
3883	497863.09, 3852877.25	4.47E-04	1.41E-07	5.98E-08	4.56E-04	1.44E-07	6.10E-08	4.55E-04	1.44E-07	6.10E-08
3884	498363.09, 3852877.25	4.13E-04	1.30E-07	5.53E-08	4.21E-04	1.33E-07	5.64E-08	4.21E-04	1.33E-07	5.63E-08
3885	471363.09, 3853377.25	4.13E-04	1.30E-07	5.54E-08	4.22E-04	1.33E-07	5.65E-08	4.21E-04	1.33E-07	5.64E-08
3886	471863.09, 3853377.25	4.64E-04	1.46E-07	6.21E-08	4.73E-04	1.49E-07	6.34E-08	4.73E-04	1.49E-07	6.33E-08
3887	472363.09, 3853377.25	5.14E-04	1.62E-07	6.88E-08	5.24E-04	1.65E-07	7.02E-08	5.23E-04	1.65E-07	7.01E-08
3888	472863.09, 3853377.25	5.70E-04	1.80E-07	7.63E-08	5.81E-04	1.83E-07	7.78E-08	5.81E-04	1.83E-07	7.77E-08
3889	473363.09, 3853377.25	6.09E-04	1.92E-07	8.16E-08	6.22E-04	1.96E-07	8.32E-08	6.21E-04	1.96E-07	8.31E-08
3890	473863.09, 3853377.25	6.56E-04	2.07E-07	8.78E-08	6.69E-04	2.11E-07	8.96E-08	6.68E-04	2.11E-07	8.95E-08
3891	474363.09, 3853377.25	6.94E-04	2.19E-07	9.29E-08	7.08E-04	2.23E-07	9.48E-08	7.07E-04	2.23E-07	9.47E-08
3892	474863.09, 3853377.25	6.76E-04	2.13E-07	9.06E-08	6.90E-04	2.18E-07	9.24E-08	6.89E-04	2.18E-07	9.23E-08
3893	475363.09, 3853377.25	6.80E-04	2.15E-07	9.11E-08	6.94E-04	2.19E-07	9.29E-08	6.93E-04	2.19E-07	9.28E-08
3894	475863.09, 3853377.25	6.81E-04	2.15E-07	9.11E-08	6.95E-04	2.19E-07	9.30E-08	6.94E-04	2.19E-07	9.29E-08
3895	476363.09, 3853377.25	6.06E-04	1.91E-07	8.12E-08	6.19E-04	1.95E-07	8.29E-08	6.18E-04	1.95E-07	8.28E-08
3896	476863.09, 3853377.25	4.66E-04	1.47E-07	6.24E-08	4.75E-04	1.50E-07	6.37E-08	4.75E-04	1.50E-07	6.36E-08
3897	477363.09, 3853377.25	4.49E-04	1.42E-07	6.01E-08	4.58E-04	1.45E-07	6.14E-08	4.58E-04	1.44E-07	6.13E-08
3898	477863.09, 3853377.25	4.66E-04	1.47E-07	6.23E-08	4.75E-04	1.50E-07	6.36E-08	4.75E-04	1.50E-07	6.35E-08
3899	478363.09, 3853377.25	3.66E-04	1.16E-07	4.90E-08	3.74E-04	1.18E-07	5.00E-08	3.73E-04	1.18E-07	5.00E-08
3900	478863.09, 3853377.25	2.44E-04	7.69E-08	3.26E-08	2.49E-04	7.85E-08	3.33E-08	2.48E-04	7.84E-08	3.33E-08
3901	479363.09, 3853377.25	5.45E-04	1.72E-07	7.30E-08	5.56E-04	1.75E-07	7.44E-08	5.55E-04	1.75E-07	7.44E-08
3902	479863.09, 3853377.25	9.86E-04	3.11E-07	1.32E-07	1.01E-03	3.18E-07	1.35E-07	1.00E-03	3.17E-07	1.35E-07
3903	480363.09, 3853377.25	1.92E-03	6.06E-07	2.57E-07	1.96E-03	6.18E-07	2.62E-07	1.96E-03	6.18E-07	2.62E-07
3904	480863.09, 3853377.25	1.93E-03	6.09E-07	2.58E-07	1.97E-03	6.21E-07	2.63E-07	1.97E-03	6.20E-07	2.63E-07
3905	481363.09, 3853377.25	3.19E-03	1.01E-06	4.27E-07	3.25E-03	1.03E-06	4.36E-07	3.25E-03	1.03E-06	4.35E-07
3906	481863.09, 3853377.25	4.84E-03	1.53E-06	6.49E-07	4.94E-03	1.56E-06	6.62E-07	4.94E-03	1.56E-06	6.61E-07
3907	482363.09, 3853377.25	7.97E-03	2.51E-06	1.07E-06	8.13E-03	2.57E-06	1.09E-06	8.12E-03	2.56E-06	1.09E-06
3908	482863.09, 3853377.25	5.63E-02	1.78E-05	7.54E-06	5.74E-02	1.81E-05	7.69E-06	5.74E-02	1.81E-05	7.68E-06
3909	483363.09, 3853377.25	1.08E-02	3.41E-06	1.45E-06	1.10E-02	3.48E-06	1.48E-06	1.10E-02	3.47E-06	1.47E-06
3910	483863.09, 3853377.25	6.37E-03	2.01E-06	8.53E-07	6.50E-03	2.05E-06	8.71E-07	6.49E-03	2.05E-06	8.69E-07
3911	484363.09, 3853377.25	5.10E-03	1.61E-06	6.82E-07	5.20E-03	1.64E-06	6.96E-07	5.19E-03	1.64E-06	6.95E-07
3912	484863.09, 3853377.25	3.73E-03	1.18E-06	4.99E-07	3.80E-03	1.20E-06	5.09E-07	3.80E-03	1.20E-06	5.09E-07
3913	485363.09, 3853377.25	2.59E-03	8.16E-07	3.46E-07	2.64E-03	8.33E-07	3.53E-07	2.63E-03	8.32E-07	3.53E-07
3914	485863.09, 3853377.25	1.92E-03	6.05E-07	2.57E-07	1.96E-03	6.17E-07	2.62E-07	1.95E-03	6.16E-07	2.62E-07
3915	486363.09, 3853377.25	1.80E-03	5.69E-07	2.41E-07	1.84E-03	5.81E-07	2.46E-07	1.84E-03	5.80E-07	2.46E-07
3916	486863.09, 3853377.25	1.66E-03	5.25E-07	2.23E-07	1.70E-03	5.36E-07	2.27E-07	1.70E-03	5.35E-07	2.27E-07

3917	487363.09, 3853377.25	1.61E-03	5.07E-07	2.15E-07	1.64E-03	5.17E-07	2.19E-07	1.64E-03	5.17E-07	2.19E-07
3918	487863.09, 3853377.25	1.52E-03	4.81E-07	2.04E-07	1.55E-03	4.91E-07	2.08E-07	1.55E-03	4.90E-07	2.08E-07
3919	488363.09, 3853377.25	1.47E-03	4.65E-07	1.97E-07	1.50E-03	4.75E-07	2.01E-07	1.50E-03	4.74E-07	2.01E-07
3920	488863.09, 3853377.25	1.38E-03	4.36E-07	1.85E-07	1.41E-03	4.45E-07	1.89E-07	1.41E-03	4.45E-07	1.89E-07
3921	489363.09, 3853377.25	1.30E-03	4.09E-07	1.74E-07	1.32E-03	4.17E-07	1.77E-07	1.32E-03	4.17E-07	1.77E-07
3922	489863.09, 3853377.25	1.19E-03	3.76E-07	1.60E-07	1.22E-03	3.84E-07	1.63E-07	1.22E-03	3.84E-07	1.63E-07
3923	490363.09, 3853377.25	1.17E-03	3.71E-07	1.57E-07	1.20E-03	3.78E-07	1.60E-07	1.20E-03	3.78E-07	1.60E-07
3924	490863.09, 3853377.25	1.14E-03	3.61E-07	1.53E-07	1.17E-03	3.68E-07	1.56E-07	1.17E-03	3.68E-07	1.56E-07
3925	491363.09, 3853377.25	1.11E-03	3.51E-07	1.49E-07	1.13E-03	3.58E-07	1.52E-07	1.13E-03	3.58E-07	1.52E-07
3926	491863.09, 3853377.25	1.08E-03	3.39E-07	1.44E-07	1.10E-03	3.46E-07	1.47E-07	1.10E-03	3.46E-07	1.47E-07
3927	492363.09, 3853377.25	1.06E-03	3.35E-07	1.42E-07	1.08E-03	3.42E-07	1.45E-07	1.08E-03	3.41E-07	1.45E-07
3928	492863.09, 3853377.25	1.05E-03	3.30E-07	1.40E-07	1.07E-03	3.37E-07	1.43E-07	1.07E-03	3.36E-07	1.43E-07
3929	493363.09, 3853377.25	1.01E-03	3.17E-07	1.35E-07	1.03E-03	3.24E-07	1.37E-07	1.02E-03	3.23E-07	1.37E-07
3930	493863.09, 3853377.25	9.64E-04	3.04E-07	1.29E-07	9.83E-04	3.10E-07	1.32E-07	9.82E-04	3.10E-07	1.32E-07
3931	494363.09, 3853377.25	9.06E-04	2.86E-07	1.21E-07	9.25E-04	2.92E-07	1.24E-07	9.24E-04	2.92E-07	1.24E-07
3932	494863.09, 3853377.25	8.46E-04	2.67E-07	1.13E-07	8.63E-04	2.72E-07	1.16E-07	8.62E-04	2.72E-07	1.15E-07
3933	495363.09, 3853377.25	8.05E-04	2.54E-07	1.08E-07	8.21E-04	2.59E-07	1.10E-07	8.20E-04	2.59E-07	1.10E-07
3934	495863.09, 3853377.25	7.55E-04	2.38E-07	1.01E-07	7.70E-04	2.43E-07	1.03E-07	7.69E-04	2.43E-07	1.03E-07
3935	496363.09, 3853377.25	6.96E-04	2.20E-07	9.32E-08	7.10E-04	2.24E-07	9.51E-08	7.09E-04	2.24E-07	9.50E-08
3936	496863.09, 3853377.25	6.18E-04	1.95E-07	8.27E-08	6.31E-04	1.99E-07	8.44E-08	6.30E-04	1.99E-07	8.43E-08
3937	497363.09, 3853377.25	5.21E-04	1.64E-07	6.98E-08	5.32E-04	1.68E-07	7.12E-08	5.31E-04	1.68E-07	7.11E-08
3938	497863.09, 3853377.25	3.47E-04	1.10E-07	4.65E-08	3.55E-04	1.12E-07	4.75E-08	3.54E-04	1.12E-07	4.74E-08
3939	498363.09, 3853377.25	2.69E-04	8.49E-08	3.60E-08	2.75E-04	8.66E-08	3.68E-08	2.74E-04	8.65E-08	3.67E-08
3940	471363.09, 3853877.25	4.03E-04	1.27E-07	5.39E-08	4.11E-04	1.30E-07	5.50E-08	4.10E-04	1.29E-07	5.49E-08
3941	471863.09, 3853877.25	4.51E-04	1.42E-07	6.04E-08	4.60E-04	1.45E-07	6.16E-08	4.60E-04	1.45E-07	6.16E-08
3942	472363.09, 3853877.25	4.84E-04	1.53E-07	6.48E-08	4.94E-04	1.56E-07	6.62E-08	4.93E-04	1.56E-07	6.61E-08
3943	472863.09, 3853877.25	5.28E-04	1.67E-07	7.07E-08	5.39E-04	1.70E-07	7.21E-08	5.38E-04	1.70E-07	7.20E-08
3944	473363.09, 3853877.25	5.52E-04	1.74E-07	7.40E-08	5.64E-04	1.78E-07	7.55E-08	5.63E-04	1.78E-07	7.54E-08
3945	473863.09, 3853877.25	5.78E-04	1.83E-07	7.75E-08	5.90E-04	1.86E-07	7.90E-08	5.90E-04	1.86E-07	7.89E-08
3946	474363.09, 3853877.25	6.10E-04	1.93E-07	8.17E-08	6.23E-04	1.97E-07	8.34E-08	6.22E-04	1.96E-07	8.33E-08
3947	474863.09, 3853877.25	6.29E-04	1.99E-07	8.42E-08	6.42E-04	2.03E-07	8.60E-08	6.41E-04	2.02E-07	8.59E-08
3948	475363.09, 3853877.25	5.90E-04	1.86E-07	7.90E-08	6.02E-04	1.90E-07	8.06E-08	6.02E-04	1.90E-07	8.06E-08
3949	475863.09, 3853877.25	4.73E-04	1.49E-07	6.33E-08	4.83E-04	1.52E-07	6.46E-08	4.82E-04	1.52E-07	6.45E-08
3950	476363.09, 3853877.25	3.58E-04	1.13E-07	4.79E-08	3.65E-04	1.15E-07	4.89E-08	3.65E-04	1.15E-07	4.88E-08
3951	476863.09, 3853877.25	2.35E-04	7.42E-08	3.15E-08	2.40E-04	7.57E-08	3.21E-08	2.40E-04	7.56E-08	3.21E-08
3952	477363.09, 3853877.25	2.61E-04	8.25E-08	3.50E-08	2.67E-04	8.42E-08	3.57E-08	2.66E-04	8.41E-08	3.57E-08
3953	477863.09, 3853877.25	3.22E-04	1.02E-07	4.32E-08	3.29E-04	1.04E-07	4.40E-08	3.29E-04	1.04E-07	4.40E-08
3954	478363.09, 3853877.25	3.41E-04	1.08E-07	4.56E-08	3.48E-04	1.10E-07	4.65E-08	3.47E-04	1.10E-07	4.65E-08
3955	478863.09, 3853877.25	1.94E-04	6.11E-08	2.59E-08	1.98E-04	6.23E-08	2.65E-08	1.97E-04	6.23E-08	2.64E-08
3956	479363.09, 3853877.25	3.15E-04	9.95E-08	4.22E-08	3.22E-04	1.02E-07	4.31E-08	3.21E-04	1.01E-07	4.30E-08
3957	479863.09, 3853877.25	7.25E-04	2.29E-07	9.71E-08	7.40E-04	2.33E-07	9.91E-08	7.39E-04	2.33E-07	9.89E-08
3958	480363.09, 3853877.25	1.10E-03	3.47E-07	1.47E-07	1.12E-03	3.54E-07	1.50E-07	1.12E-03	3.54E-07	1.50E-07
3959	480863.09, 3853877.25	1.81E-03	5.71E-07	2.42E-07	1.85E-03	5.83E-07	2.47E-07	1.84E-03	5.82E-07	2.47E-07
3960	481363.09, 3853877.25	2.34E-03	7.40E-07	3.14E-07	2.39E-03	7.55E-07	3.20E-07	2.39E-03	7.54E-07	3.20E-07
3961	481863.09, 3853877.25	2.95E-03	9.32E-07	3.96E-07	3.01E-03	9.51E-07	4.04E-07	3.01E-03	9.50E-07	4.03E-07
3962	482363.09, 3853877.25	3.42E-03	1.08E-06	4.58E-07	3.49E-03	1.10E-06	4.67E-07	3.48E-03	1.10E-06	4.67E-07
3963	482863.09, 3853877.25	3.59E-03	1.13E-06	4.81E-07	3.66E-03	1.16E-06	4.90E-07	3.66E-03	1.15E-06	4.90E-07
3964	483363.09, 3853877.25	3.46E-03	1.09E-06	4.64E-07	3.53E-03	1.12E-06	4.73E-07	3.53E-03	1.11E-06	4.73E-07
3965	483863.09, 3853877.25	3.28E-03	1.04E-06	4.40E-07	3.35E-03	1.06E-06	4.49E-07	3.35E-03	1.06E-06	4.48E-07
3966	484363.09, 3853877.25	2.77E-03	8.75E-07	3.71E-07	2.83E-03	8.93E-07	3.79E-07	2.83E-03	8.92E-07	3.78E-07
3967	484863.09, 3853877.25	2.26E-03	7.13E-07	3.02E-07	2.30E-03	7.27E-07	3.09E-07	2.30E-03	7.26E-07	3.08E-07
3968	485363.09, 3853877.25	1.69E-03	5.35E-07	2.27E-07	1.73E-03	5.46E-07	2.32E-07	1.73E-03	5.45E-07	2.31E-07
3969	485863.09, 3853877.25	1.72E-03	5.43E-07	2.31E-07	1.76E-03	5.54E-07	2.35E-07	1.75E-03	5.54E-07	2.35E-07
3970	486363.09, 3853877.25	1.56E-03	4.93E-07	2.09E-07	1.59E-03	5.03E-07	2.13E-07	1.59E-03	5.02E-07	2.13E-07
3971	486863.09, 3853877.25	1.42E-03	4.49E-07	1.90E-07	1.45E-03	4.58E-07	1.94E-07	1.45E-03	4.57E-07	1.94E-07
3972	487363.09, 3853877.25	1.40E-03	4.41E-07	1.87E-07	1.43E-03	4.50E-07	1.91E-07	1.43E-03	4.50E-07	1.91E-07
3973	487863.09, 3853877.25	1.44E-03	4.54E-07	1.92E-07	1.47E-03	4.63E-07	1.96E-07	1.46E-03	4.62E-07	1.96E-07
3974	488363.09, 3853877.25	1.40E-03	4.42E-07	1.87E-07	1.43E-03	4.51E-07	1.91E-07	1.43E-03	4.50E-07	1.91E-07
3975	488863.09, 3853877.25	1.39E-03	4.38E-07	1.86E-07	1.42E-03	4.47E-07	1.90E-07	1.41E-03	4.46E-07	1.89E-07
3976	489363.09, 3853877.25	1.28E-03	4.04E-07	1.71E-07	1.31E-03	4.12E-07	1.75E-07	1.30E-03	4.12E-07	1.75E-07
3977	489863.09, 3853877.25	1.24E-03	3.90E-07	1.66E-07	1.26E-03	3.98E-07	1.69E-07	1.26E-03	3.98E-07	1.69E-07
3978	490363.09, 3853877.25	1.17E-03	3.69E-07	1.57E-07	1.19E-03	3.77E-07	1.60E-07	1.19E-03	3.76E-07	1.60E-07
3979	490863.09, 3853877.25	1.13E-03	3.56E-07	1.51E-07	1.15E-03	3.63E-07	1.54E-07	1.15E-03	3.62E-07	1.54E-07
3980	491363.09, 3853877.25	1.09E-03	3.44E-07	1.46E-07	1.11E-03	3.51E-07	1.49E-07	1.11E-03	3.50E-07	1.49E-07
3981	491863.09, 3853877.25	1.05E-03	3.32E-07	1.41E-07	1.07E-03	3.39E-07	1.44E-07	1.07E-03	3.39E-07	1.44E-07
3982	492363.09, 3853877.25	1.04E-03	3.28E-07	1.39E-07	1.06E-03	3.35E-07	1.42E-07	1.06E-03	3.35E-07	1.42E-07
3983	492863.09, 3853877.25	1.01E-03	3.20E-07	1.36E-07	1.03E-03	3.27E-07	1.39E-07	1.03E-03	3.26E-07	1.38E-07
3984	493363.09, 3853877.25	9.72E-04	3.07E-07	1.30E-07	9.92E-04	3.13E-07	1.33E-07	9.91E-04	3.13E-07	1.33E-07
3985	493863.09, 3853877.25	9.25E-04	2.92E-07	1.24E-07	9.44E-04	2.98E-07	1.26E-07	9.42E-04	2.97E-07	1.26E-07
3986	494363.09, 3853877.25	8.85E-04	2.79E-07	1.18E-07	9.03E-04	2.85E-07	1.21E-07	9.02E-04	2.85E-07	1.21E-07

3987	494863.09, 3853877.25	8.36E-04	2.64E-07	1.12E-07	8.53E-04	2.69E-07	1.14E-07	8.52E-04	2.69E-07	1.14E-07
3988	495363.09, 3853877.25	7.49E-04	2.37E-07	1.00E-07	7.65E-04	2.41E-07	1.02E-07	7.64E-04	2.41E-07	1.02E-07
3989	495863.09, 3853877.25	6.76E-04	2.13E-07	9.05E-08	6.90E-04	2.18E-07	9.24E-08	6.89E-04	2.17E-07	9.23E-08
3990	496363.09, 3853877.25	6.26E-04	1.97E-07	8.38E-08	6.38E-04	2.01E-07	8.55E-08	6.38E-04	2.01E-07	8.54E-08
3991	496863.09, 3853877.25	5.40E-04	1.71E-07	7.24E-08	5.51E-04	1.74E-07	7.38E-08	5.51E-04	1.74E-07	7.38E-08
3992	497363.09, 3853877.25	4.67E-04	1.47E-07	6.26E-08	4.77E-04	1.51E-07	6.39E-08	4.76E-04	1.50E-07	6.38E-08
3993	497863.09, 3853877.25	3.70E-04	1.17E-07	4.95E-08	3.77E-04	1.19E-07	5.05E-08	3.77E-04	1.19E-07	5.04E-08
3994	498363.09, 3853877.25	3.14E-04	9.92E-08	4.21E-08	3.21E-04	1.01E-07	4.30E-08	3.20E-04	1.01E-07	4.29E-08
3995	471363.09, 3854377.25	3.90E-04	1.23E-07	5.22E-08	3.98E-04	1.26E-07	5.33E-08	3.98E-04	1.25E-07	5.32E-08
3996	471863.09, 3854377.25	4.31E-04	1.36E-07	5.77E-08	4.40E-04	1.39E-07	5.89E-08	4.39E-04	1.39E-07	5.88E-08
3997	472363.09, 3854377.25	4.65E-04	1.47E-07	6.22E-08	4.74E-04	1.50E-07	6.35E-08	4.74E-04	1.49E-07	6.34E-08
3998	472863.09, 3854377.25	4.89E-04	1.54E-07	6.54E-08	4.99E-04	1.57E-07	6.68E-08	4.98E-04	1.57E-07	6.67E-08
3999	473363.09, 3854377.25	5.20E-04	1.64E-07	6.97E-08	5.31E-04	1.68E-07	7.11E-08	5.30E-04	1.67E-07	7.10E-08
4000	473863.09, 3854377.25	5.59E-04	1.76E-07	7.49E-08	5.70E-04	1.80E-07	7.64E-08	5.70E-04	1.80E-07	7.63E-08
4001	474363.09, 3854377.25	5.91E-04	1.87E-07	7.92E-08	6.03E-04	1.90E-07	8.08E-08	6.03E-04	1.90E-07	8.07E-08
4002	474863.09, 3854377.25	5.55E-04	1.75E-07	7.44E-08	5.67E-04	1.79E-07	7.59E-08	5.66E-04	1.79E-07	7.58E-08
4003	475363.09, 3854377.25	4.56E-04	1.44E-07	6.11E-08	4.66E-04	1.47E-07	6.24E-08	4.65E-04	1.47E-07	6.23E-08
4004	475863.09, 3854377.25	2.68E-04	8.44E-08	3.58E-08	2.73E-04	8.62E-08	3.66E-08	2.73E-04	8.61E-08	3.65E-08
4005	476363.09, 3854377.25	2.17E-04	6.86E-08	2.91E-08	2.22E-04	7.00E-08	2.97E-08	2.22E-04	7.00E-08	2.97E-08
4006	476863.09, 3854377.25	1.93E-04	6.10E-08	2.59E-08	1.97E-04	6.23E-08	2.64E-08	1.97E-04	6.22E-08	2.64E-08
4007	477363.09, 3854377.25	1.79E-04	5.66E-08	2.40E-08	1.83E-04	5.78E-08	2.45E-08	1.83E-04	5.77E-08	2.45E-08
4008	477863.09, 3854377.25	1.75E-04	5.53E-08	2.35E-08	1.79E-04	5.65E-08	2.40E-08	1.79E-04	5.64E-08	2.39E-08
4009	478363.09, 3854377.25	2.18E-04	6.87E-08	2.92E-08	2.22E-04	7.01E-08	2.98E-08	2.22E-04	7.00E-08	2.97E-08
4010	478863.09, 3854377.25	2.38E-04	7.52E-08	3.19E-08	2.43E-04	7.68E-08	3.26E-08	2.43E-04	7.67E-08	3.25E-08
4011	479363.09, 3854377.25	4.42E-04	1.40E-07	5.92E-08	4.51E-04	1.42E-07	6.04E-08	4.50E-04	1.42E-07	6.03E-08
4012	479863.09, 3854377.25	5.88E-04	1.86E-07	7.88E-08	6.00E-04	1.89E-07	8.04E-08	5.99E-04	1.89E-07	8.03E-08
4013	480363.09, 3854377.25	8.19E-04	2.58E-07	1.10E-07	8.36E-04	2.64E-07	1.12E-07	8.35E-04	2.63E-07	1.12E-07
4014	480863.09, 3854377.25	1.21E-03	3.83E-07	1.62E-07	1.24E-03	3.90E-07	1.66E-07	1.24E-03	3.90E-07	1.65E-07
4015	481363.09, 3854377.25	1.61E-03	5.07E-07	2.15E-07	1.64E-03	5.17E-07	2.19E-07	1.64E-03	5.16E-07	2.19E-07
4016	481863.09, 3854377.25	2.00E-03	6.32E-07	2.68E-07	2.04E-03	6.45E-07	2.74E-07	2.04E-03	6.44E-07	2.73E-07
4017	482363.09, 3854377.25	2.07E-03	6.52E-07	2.77E-07	2.11E-03	6.65E-07	2.82E-07	2.11E-03	6.65E-07	2.82E-07
4018	482863.09, 3854377.25	2.06E-03	6.50E-07	2.76E-07	2.10E-03	6.63E-07	2.81E-07	2.10E-03	6.62E-07	2.81E-07
4019	483363.09, 3854377.25	2.02E-03	6.36E-07	2.70E-07	2.06E-03	6.49E-07	2.76E-07	2.06E-03	6.49E-07	2.75E-07
4020	483863.09, 3854377.25	1.83E-03	5.77E-07	2.45E-07	1.87E-03	5.89E-07	2.50E-07	1.86E-03	5.88E-07	2.50E-07
4021	484363.09, 3854377.25	1.55E-03	4.89E-07	2.07E-07	1.58E-03	4.99E-07	2.12E-07	1.58E-03	4.98E-07	2.11E-07
4022	484863.09, 3854377.25	1.28E-03	4.05E-07	1.72E-07	1.31E-03	4.14E-07	1.76E-07	1.31E-03	4.13E-07	1.75E-07
4023	485363.09, 3854377.25	1.47E-03	4.64E-07	1.97E-07	1.50E-03	4.74E-07	2.01E-07	1.50E-03	4.73E-07	2.01E-07
4024	485863.09, 3854377.25	1.31E-03	4.14E-07	1.76E-07	1.34E-03	4.22E-07	1.79E-07	1.34E-03	4.22E-07	1.79E-07
4025	486363.09, 3854377.25	1.37E-03	4.32E-07	1.83E-07	1.40E-03	4.41E-07	1.87E-07	1.40E-03	4.40E-07	1.87E-07
4026	486863.09, 3854377.25	1.29E-03	4.06E-07	1.72E-07	1.31E-03	4.15E-07	1.76E-07	1.31E-03	4.14E-07	1.76E-07
4027	487363.09, 3854377.25	1.27E-03	4.01E-07	1.70E-07	1.30E-03	4.09E-07	1.74E-07	1.29E-03	4.09E-07	1.73E-07
4028	487863.09, 3854377.25	1.30E-03	4.09E-07	1.74E-07	1.32E-03	4.17E-07	1.77E-07	1.32E-03	4.17E-07	1.77E-07
4029	488363.09, 3854377.25	1.29E-03	4.08E-07	1.73E-07	1.32E-03	4.16E-07	1.77E-07	1.32E-03	4.16E-07	1.76E-07
4030	488863.09, 3854377.25	1.27E-03	4.00E-07	1.70E-07	1.29E-03	4.08E-07	1.73E-07	1.29E-03	4.08E-07	1.73E-07
4031	489363.09, 3854377.25	1.23E-03	3.88E-07	1.65E-07	1.26E-03	3.96E-07	1.68E-07	1.25E-03	3.96E-07	1.68E-07
4032	489863.09, 3854377.25	1.18E-03	3.73E-07	1.58E-07	1.21E-03	3.81E-07	1.62E-07	1.21E-03	3.80E-07	1.61E-07
4033	490363.09, 3854377.25	1.13E-03	3.56E-07	1.51E-07	1.15E-03	3.64E-07	1.54E-07	1.15E-03	3.63E-07	1.54E-07
4034	490863.09, 3854377.25	9.87E-04	3.11E-07	1.32E-07	1.01E-03	3.18E-07	1.35E-07	1.01E-03	3.17E-07	1.35E-07
4035	491363.09, 3854377.25	1.01E-03	3.19E-07	1.36E-07	1.03E-03	3.26E-07	1.38E-07	1.03E-03	3.26E-07	1.38E-07
4036	491863.09, 3854377.25	1.01E-03	3.20E-07	1.36E-07	1.04E-03	3.27E-07	1.39E-07	1.03E-03	3.26E-07	1.39E-07
4037	492363.09, 3854377.25	9.94E-04	3.14E-07	1.33E-07	1.01E-03	3.20E-07	1.36E-07	1.01E-03	3.20E-07	1.36E-07
4038	492863.09, 3854377.25	9.59E-04	3.03E-07	1.28E-07	9.79E-04	3.09E-07	1.31E-07	9.78E-04	3.09E-07	1.31E-07
4039	493363.09, 3854377.25	9.17E-04	2.89E-07	1.23E-07	9.35E-04	2.95E-07	1.25E-07	9.34E-04	2.95E-07	1.25E-07
4040	493863.09, 3854377.25	8.73E-04	2.76E-07	1.17E-07	8.91E-04	2.81E-07	1.19E-07	8.90E-04	2.81E-07	1.19E-07
4041	494363.09, 3854377.25	8.33E-04	2.63E-07	1.12E-07	8.50E-04	2.68E-07	1.14E-07	8.49E-04	2.68E-07	1.14E-07
4042	494863.09, 3854377.25	7.28E-04	2.30E-07	9.74E-08	7.42E-04	2.34E-07	9.94E-08	7.42E-04	2.34E-07	9.93E-08
4043	495363.09, 3854377.25	6.10E-04	1.92E-07	8.16E-08	6.22E-04	1.96E-07	8.33E-08	6.21E-04	1.96E-07	8.32E-08
4044	495863.09, 3854377.25	5.27E-04	1.66E-07	7.06E-08	5.38E-04	1.70E-07	7.21E-08	5.38E-04	1.70E-07	7.20E-08
4045	496363.09, 3854377.25	4.88E-04	1.54E-07	6.54E-08	4.98E-04	1.57E-07	6.67E-08	4.98E-04	1.57E-07	6.66E-08
4046	496863.09, 3854377.25	4.35E-04	1.37E-07	5.82E-08	4.44E-04	1.40E-07	5.94E-08	4.43E-04	1.40E-07	5.94E-08
4047	497363.09, 3854377.25	3.48E-04	1.10E-07	4.66E-08	3.55E-04	1.12E-07	4.76E-08	3.55E-04	1.12E-07	4.75E-08
4048	497863.09, 3854377.25	3.64E-04	1.15E-07	4.88E-08	3.72E-04	1.17E-07	4.98E-08	3.71E-04	1.17E-07	4.97E-08
4049	498363.09, 3854377.25	3.19E-04	1.01E-07	4.27E-08	3.26E-04	1.03E-07	4.36E-08	3.25E-04	1.03E-07	4.36E-08
4050	471363.09, 3854877.25	3.84E-04	1.21E-07	5.14E-08	3.92E-04	1.24E-07	5.25E-08	3.91E-04	1.24E-07	5.24E-08
4051	471863.09, 3854877.25	4.13E-04	1.30E-07	5.52E-08	4.21E-04	1.33E-07	5.64E-08	4.20E-04	1.33E-07	5.63E-08
4052	472363.09, 3854877.25	4.39E-04	1.39E-07	5.88E-08	4.48E-04	1.41E-07	6.00E-08	4.48E-04	1.41E-07	6.00E-08
4053	472863.09, 3854877.25	4.48E-04	1.41E-07	6.00E-08	4.57E-04	1.44E-07	6.12E-08	4.56E-04	1.44E-07	6.11E-08
4054	473363.09, 3854877.25	4.85E-04	1.53E-07	6.50E-08	4.95E-04	1.56E-07	6.63E-08	4.95E-04	1.56E-07	6.62E-08
4055	473863.09, 3854877.25	5.20E-04	1.64E-07	6.96E-08	5.30E-04	1.67E-07	7.10E-08	5.30E-04	1.67E-07	7.09E-08
4056	474363.09, 3854877.25	5.63E-04	1.78E-07	7.54E-08	5.75E-04	1.81E-07	7.69E-08	5.74E-04	1.81E-07	7.69E-08

4057	474863.09, 3854877.25	4.64E-04	1.46E-07	6.21E-08	4.73E-04	1.49E-07	6.34E-08	4.73E-04	1.49E-07	6.33E-08
4058	475363.09, 3854877.25	3.34E-04	1.05E-07	4.47E-08	3.41E-04	1.08E-07	4.56E-08	3.40E-04	1.07E-07	4.56E-08
4059	475863.09, 3854877.25	2.16E-04	6.82E-08	2.89E-08	2.20E-04	6.96E-08	2.95E-08	2.20E-04	6.95E-08	2.95E-08
4060	476363.09, 3854877.25	1.00E-04	3.16E-08	1.34E-08	1.02E-04	3.23E-08	1.37E-08	1.02E-04	3.22E-08	1.37E-08
4061	476863.09, 3854877.25	9.16E-05	2.89E-08	1.23E-08	9.35E-05	2.95E-08	1.25E-08	9.34E-05	2.95E-08	1.25E-08
4062	477363.09, 3854877.25	1.20E-04	3.79E-08	1.61E-08	1.23E-04	3.87E-08	1.64E-08	1.23E-04	3.87E-08	1.64E-08
4063	477863.09, 3854877.25	1.48E-04	4.66E-08	1.98E-08	1.51E-04	4.75E-08	2.02E-08	1.50E-04	4.75E-08	2.01E-08
4064	478363.09, 3854877.25	2.26E-04	7.14E-08	3.03E-08	2.31E-04	7.29E-08	3.09E-08	2.31E-04	7.28E-08	3.09E-08
4065	478863.09, 3854877.25	3.57E-04	1.13E-07	4.78E-08	3.64E-04	1.15E-07	4.88E-08	3.64E-04	1.15E-07	4.87E-08
4066	479363.09, 3854877.25	5.24E-04	1.65E-07	7.02E-08	5.35E-04	1.69E-07	7.16E-08	5.34E-04	1.69E-07	7.15E-08
4067	479863.09, 3854877.25	7.13E-04	2.25E-07	9.55E-08	7.28E-04	2.30E-07	9.74E-08	7.27E-04	2.29E-07	9.73E-08
4068	480363.09, 3854877.25	8.59E-04	2.71E-07	1.15E-07	8.76E-04	2.77E-07	1.17E-07	8.75E-04	2.76E-07	1.17E-07
4069	480863.09, 3854877.25	1.12E-03	3.53E-07	1.50E-07	1.14E-03	3.60E-07	1.53E-07	1.14E-03	3.59E-07	1.52E-07
4070	481363.09, 3854877.25	1.27E-03	4.00E-07	1.70E-07	1.29E-03	4.08E-07	1.73E-07	1.29E-03	4.08E-07	1.73E-07
4071	481863.09, 3854877.25	1.20E-03	3.79E-07	1.61E-07	1.22E-03	3.86E-07	1.64E-07	1.22E-03	3.86E-07	1.64E-07
4072	482363.09, 3854877.25	1.50E-03	4.75E-07	2.01E-07	1.54E-03	4.85E-07	2.06E-07	1.53E-03	4.84E-07	2.05E-07
4073	482863.09, 3854877.25	1.49E-03	4.71E-07	2.00E-07	1.52E-03	4.80E-07	2.04E-07	1.52E-03	4.80E-07	2.03E-07
4074	483363.09, 3854877.25	1.49E-03	4.72E-07	2.00E-07	1.52E-03	4.81E-07	2.04E-07	1.52E-03	4.81E-07	2.04E-07
4075	483863.09, 3854877.25	1.46E-03	4.61E-07	1.96E-07	1.49E-03	4.71E-07	2.00E-07	1.49E-03	4.70E-07	2.00E-07
4076	484363.09, 3854877.25	1.34E-03	4.23E-07	1.79E-07	1.37E-03	4.32E-07	1.83E-07	1.37E-03	4.31E-07	1.83E-07
4077	484863.09, 3854877.25	1.30E-03	4.10E-07	1.74E-07	1.33E-03	4.19E-07	1.78E-07	1.32E-03	4.18E-07	1.77E-07
4078	485363.09, 3854877.25	1.23E-03	3.90E-07	1.65E-07	1.26E-03	3.98E-07	1.69E-07	1.26E-03	3.97E-07	1.69E-07
4079	485863.09, 3854877.25	1.20E-03	3.80E-07	1.61E-07	1.23E-03	3.87E-07	1.64E-07	1.23E-03	3.87E-07	1.64E-07
4080	486363.09, 3854877.25	1.17E-03	3.69E-07	1.57E-07	1.19E-03	3.76E-07	1.60E-07	1.19E-03	3.76E-07	1.60E-07
4081	486863.09, 3854877.25	1.16E-03	3.66E-07	1.55E-07	1.18E-03	3.74E-07	1.59E-07	1.18E-03	3.73E-07	1.58E-07
4082	487363.09, 3854877.25	1.20E-03	3.79E-07	1.61E-07	1.23E-03	3.87E-07	1.64E-07	1.22E-03	3.86E-07	1.64E-07
4083	487863.09, 3854877.25	1.20E-03	3.77E-07	1.60E-07	1.22E-03	3.85E-07	1.63E-07	1.22E-03	3.85E-07	1.63E-07
4084	488363.09, 3854877.25	1.17E-03	3.70E-07	1.57E-07	1.20E-03	3.77E-07	1.60E-07	1.19E-03	3.77E-07	1.60E-07
4085	488863.09, 3854877.25	1.16E-03	3.66E-07	1.55E-07	1.18E-03	3.73E-07	1.58E-07	1.18E-03	3.73E-07	1.58E-07
4086	489363.09, 3854877.25	1.13E-03	3.57E-07	1.51E-07	1.15E-03	3.64E-07	1.55E-07	1.15E-03	3.64E-07	1.54E-07
4087	489863.09, 3854877.25	1.07E-03	3.39E-07	1.44E-07	1.10E-03	3.46E-07	1.47E-07	1.09E-03	3.45E-07	1.47E-07
4088	490363.09, 3854877.25	9.11E-04	2.88E-07	1.22E-07	9.30E-04	2.94E-07	1.25E-07	9.29E-04	2.93E-07	1.24E-07
4089	490863.09, 3854877.25	7.15E-04	2.26E-07	9.57E-08	7.29E-04	2.30E-07	9.76E-08	7.28E-04	2.30E-07	9.75E-08
4090	491363.09, 3854877.25	7.61E-04	2.40E-07	1.02E-07	7.76E-04	2.45E-07	1.04E-07	7.75E-04	2.45E-07	1.04E-07
4091	491863.09, 3854877.25	9.46E-04	2.99E-07	1.27E-07	9.65E-04	3.05E-07	1.29E-07	9.64E-04	3.04E-07	1.29E-07
4092	492363.09, 3854877.25	9.33E-04	2.95E-07	1.25E-07	9.53E-04	3.01E-07	1.28E-07	9.51E-04	3.00E-07	1.27E-07
4093	492863.09, 3854877.25	9.00E-04	2.84E-07	1.21E-07	9.18E-04	2.90E-07	1.23E-07	9.17E-04	2.89E-07	1.23E-07
4094	493363.09, 3854877.25	8.57E-04	2.71E-07	1.15E-07	8.75E-04	2.76E-07	1.17E-07	8.74E-04	2.76E-07	1.17E-07
4095	493863.09, 3854877.25	8.20E-04	2.59E-07	1.10E-07	8.37E-04	2.64E-07	1.12E-07	8.36E-04	2.64E-07	1.12E-07
4096	494363.09, 3854877.25	6.98E-04	2.20E-07	9.34E-08	7.12E-04	2.25E-07	9.53E-08	7.11E-04	2.24E-07	9.52E-08
4097	494863.09, 3854877.25	5.52E-04	1.74E-07	7.39E-08	5.63E-04	1.78E-07	7.54E-08	5.62E-04	1.77E-07	7.53E-08
4098	495363.09, 3854877.25	4.55E-04	1.44E-07	6.09E-08	4.64E-04	1.47E-07	6.22E-08	4.64E-04	1.46E-07	6.21E-08
4099	495863.09, 3854877.25	4.03E-04	1.27E-07	5.39E-08	4.11E-04	1.30E-07	5.50E-08	4.11E-04	1.30E-07	5.50E-08
4100	496363.09, 3854877.25	3.31E-04	1.05E-07	4.44E-08	3.38E-04	1.07E-07	4.53E-08	3.38E-04	1.07E-07	4.52E-08
4101	496863.09, 3854877.25	2.91E-04	9.20E-08	3.90E-08	2.97E-04	9.39E-08	3.98E-08	2.97E-04	9.37E-08	3.98E-08
4102	497363.09, 3854877.25	2.85E-04	8.98E-08	3.81E-08	2.90E-04	9.17E-08	3.89E-08	2.90E-04	9.16E-08	3.88E-08
4103	497863.09, 3854877.25	3.20E-04	1.01E-07	4.29E-08	3.27E-04	1.03E-07	4.37E-08	3.26E-04	1.03E-07	4.37E-08
4104	498363.09, 3854877.25	3.19E-04	1.01E-07	4.27E-08	3.26E-04	1.03E-07	4.36E-08	3.25E-04	1.03E-07	4.36E-08
4105	471363.09, 3855377.25	3.81E-04	1.20E-07	5.10E-08	3.89E-04	1.23E-07	5.21E-08	3.88E-04	1.23E-07	5.20E-08
4106	471863.09, 3855377.25	3.97E-04	1.25E-07	5.32E-08	4.05E-04	1.28E-07	5.43E-08	4.05E-04	1.28E-07	5.42E-08
4107	472363.09, 3855377.25	4.28E-04	1.35E-07	5.74E-08	4.37E-04	1.38E-07	5.85E-08	4.37E-04	1.38E-07	5.85E-08
4108	472863.09, 3855377.25	4.42E-04	1.40E-07	5.92E-08	4.51E-04	1.42E-07	6.04E-08	4.50E-04	1.42E-07	6.03E-08
4109	473363.09, 3855377.25	4.79E-04	1.51E-07	6.42E-08	4.89E-04	1.54E-07	6.55E-08	4.88E-04	1.54E-07	6.54E-08
4110	473863.09, 3855377.25	5.09E-04	1.61E-07	6.81E-08	5.19E-04	1.64E-07	6.95E-08	5.18E-04	1.64E-07	6.94E-08
4111	474363.09, 3855377.25	5.32E-04	1.68E-07	7.12E-08	5.42E-04	1.71E-07	7.26E-08	5.42E-04	1.71E-07	7.26E-08
4112	474863.09, 3855377.25	4.51E-04	1.42E-07	6.04E-08	4.60E-04	1.45E-07	6.16E-08	4.60E-04	1.45E-07	6.16E-08
4113	475363.09, 3855377.25	1.74E-04	5.51E-08	2.34E-08	1.78E-04	5.62E-08	2.38E-08	1.78E-04	5.61E-08	2.38E-08
4114	475863.09, 3855377.25	1.06E-04	3.36E-08	1.42E-08	1.09E-04	3.43E-08	1.45E-08	1.08E-04	3.42E-08	1.45E-08
4115	476363.09, 3855377.25	1.32E-04	4.18E-08	1.77E-08	1.35E-04	4.26E-08	1.81E-08	1.35E-04	4.26E-08	1.81E-08
4116	476863.09, 3855377.25	1.19E-04	3.77E-08	1.60E-08	1.22E-04	3.84E-08	1.63E-08	1.22E-04	3.84E-08	1.63E-08
4117	477363.09, 3855377.25	1.33E-04	4.21E-08	1.79E-08	1.36E-04	4.30E-08	1.82E-08	1.36E-04	4.29E-08	1.82E-08
4118	477863.09, 3855377.25	1.93E-04	6.10E-08	2.59E-08	1.97E-04	6.23E-08	2.64E-08	1.97E-04	6.22E-08	2.64E-08
4119	478363.09, 3855377.25	2.69E-04	8.49E-08	3.60E-08	2.75E-04	8.66E-08	3.68E-08	2.74E-04	8.65E-08	3.67E-08
4120	478863.09, 3855377.25	3.50E-04	1.10E-07	4.68E-08	3.57E-04	1.13E-07	4.78E-08	3.56E-04	1.13E-07	4.77E-08
4121	479363.09, 3855377.25	4.60E-04	1.45E-07	6.16E-08	4.70E-04	1.48E-07	6.29E-08	4.69E-04	1.48E-07	6.28E-08
4122	479863.09, 3855377.25	5.63E-04	1.78E-07	7.54E-08	5.75E-04	1.81E-07	7.70E-08	5.74E-04	1.81E-07	7.69E-08
4123	480363.09, 3855377.25	7.53E-04	2.38E-07	1.01E-07	7.69E-04	2.43E-07	1.03E-07	7.68E-04	2.42E-07	1.03E-07
4124	480863.09, 3855377.25	9.77E-04	3.08E-07	1.31E-07	9.97E-04	3.15E-07	1.34E-07	9.96E-04	3.14E-07	1.33E-07
4125	481363.09, 3855377.25	1.14E-03	3.60E-07	1.53E-07	1.16E-03	3.67E-07	1.56E-07	1.16E-03	3.67E-07	1.56E-07
4126	481863.09, 3855377.25	1.20E-03	3.78E-07	1.60E-07	1.22E-03	3.86E-07	1.64E-07	1.22E-03	3.85E-07	1.63E-07

4127	482363.09, 3855377.25	1.19E-03	3.76E-07	1.60E-07	1.22E-03	3.84E-07	1.63E-07	1.22E-03	3.84E-07	1.63E-07
4128	482863.09, 3855377.25	1.19E-03	3.74E-07	1.59E-07	1.21E-03	3.82E-07	1.62E-07	1.21E-03	3.81E-07	1.62E-07
4129	483363.09, 3855377.25	1.19E-03	3.75E-07	1.59E-07	1.21E-03	3.83E-07	1.63E-07	1.21E-03	3.83E-07	1.62E-07
4130	483863.09, 3855377.25	1.20E-03	3.78E-07	1.60E-07	1.22E-03	3.86E-07	1.64E-07	1.22E-03	3.85E-07	1.63E-07
4131	484363.09, 3855377.25	1.19E-03	3.77E-07	1.60E-07	1.22E-03	3.85E-07	1.63E-07	1.22E-03	3.84E-07	1.63E-07
4132	484863.09, 3855377.25	1.17E-03	3.70E-07	1.57E-07	1.20E-03	3.78E-07	1.60E-07	1.20E-03	3.77E-07	1.60E-07
4133	485363.09, 3855377.25	1.16E-03	3.65E-07	1.55E-07	1.18E-03	3.72E-07	1.58E-07	1.18E-03	3.72E-07	1.58E-07
4134	485863.09, 3855377.25	1.09E-03	3.45E-07	1.47E-07	1.12E-03	3.52E-07	1.50E-07	1.12E-03	3.52E-07	1.49E-07
4135	486363.09, 3855377.25	1.05E-03	3.32E-07	1.41E-07	1.07E-03	3.39E-07	1.44E-07	1.07E-03	3.38E-07	1.43E-07
4136	486863.09, 3855377.25	1.02E-03	3.21E-07	1.36E-07	1.04E-03	3.28E-07	1.39E-07	1.04E-03	3.27E-07	1.39E-07
4137	487363.09, 3855377.25	1.06E-03	3.33E-07	1.41E-07	1.08E-03	3.40E-07	1.44E-07	1.08E-03	3.40E-07	1.44E-07
4138	487863.09, 3855377.25	1.09E-03	3.44E-07	1.46E-07	1.11E-03	3.51E-07	1.49E-07	1.11E-03	3.51E-07	1.49E-07
4139	488363.09, 3855377.25	1.10E-03	3.47E-07	1.47E-07	1.12E-03	3.54E-07	1.50E-07	1.12E-03	3.54E-07	1.50E-07
4140	488863.09, 3855377.25	1.08E-03	3.41E-07	1.45E-07	1.10E-03	3.48E-07	1.48E-07	1.10E-03	3.48E-07	1.47E-07
4141	489363.09, 3855377.25	1.04E-03	3.27E-07	1.39E-07	1.06E-03	3.34E-07	1.42E-07	1.06E-03	3.34E-07	1.42E-07
4142	489863.09, 3855377.25	9.89E-04	3.12E-07	1.32E-07	1.01E-03	3.18E-07	1.35E-07	1.01E-03	3.18E-07	1.35E-07
4143	490363.09, 3855377.25	9.72E-04	3.07E-07	1.30E-07	9.91E-04	3.13E-07	1.33E-07	9.90E-04	3.13E-07	1.33E-07
4144	490863.09, 3855377.25	7.69E-04	2.43E-07	1.03E-07	7.85E-04	2.48E-07	1.05E-07	7.84E-04	2.47E-07	1.05E-07
4145	491363.09, 3855377.25	6.94E-04	2.19E-07	9.29E-08	7.08E-04	2.23E-07	9.48E-08	7.07E-04	2.23E-07	9.47E-08
4146	491863.09, 3855377.25	8.69E-04	2.74E-07	1.16E-07	8.87E-04	2.80E-07	1.19E-07	8.86E-04	2.80E-07	1.19E-07
4147	492363.09, 3855377.25	8.60E-04	2.71E-07	1.15E-07	8.78E-04	2.77E-07	1.18E-07	8.77E-04	2.77E-07	1.17E-07
4148	492863.09, 3855377.25	8.32E-04	2.63E-07	1.11E-07	8.49E-04	2.68E-07	1.14E-07	8.48E-04	2.68E-07	1.14E-07
4149	493363.09, 3855377.25	7.79E-04	2.46E-07	1.04E-07	7.95E-04	2.51E-07	1.06E-07	7.94E-04	2.51E-07	1.06E-07
4150	493863.09, 3855377.25	6.73E-04	2.13E-07	9.02E-08	6.87E-04	2.17E-07	9.20E-08	6.86E-04	2.17E-07	9.19E-08
4151	494363.09, 3855377.25	5.45E-04	1.72E-07	7.30E-08	5.57E-04	1.76E-07	7.45E-08	5.56E-04	1.75E-07	7.44E-08
4152	494863.09, 3855377.25	4.19E-04	1.32E-07	5.61E-08	4.27E-04	1.35E-07	5.72E-08	4.27E-04	1.35E-07	5.71E-08
4153	495363.09, 3855377.25	3.33E-04	1.05E-07	4.46E-08	3.40E-04	1.07E-07	4.55E-08	3.40E-04	1.07E-07	4.55E-08
4154	495863.09, 3855377.25	2.81E-04	8.85E-08	3.76E-08	2.86E-04	9.03E-08	3.83E-08	2.86E-04	9.02E-08	3.83E-08
4155	496363.09, 3855377.25	2.77E-04	8.73E-08	3.71E-08	2.82E-04	8.91E-08	3.78E-08	2.82E-04	8.90E-08	3.78E-08
4156	496863.09, 3855377.25	2.76E-04	8.70E-08	3.69E-08	2.81E-04	8.88E-08	3.77E-08	2.81E-04	8.87E-08	3.76E-08
4157	497363.09, 3855377.25	2.87E-04	9.07E-08	3.85E-08	2.93E-04	9.25E-08	3.93E-08	2.93E-04	9.24E-08	3.92E-08
4158	497863.09, 3855377.25	3.10E-04	9.78E-08	4.15E-08	3.16E-04	9.98E-08	4.24E-08	3.16E-04	9.97E-08	4.23E-08
4159	498363.09, 3855377.25	3.39E-04	1.07E-07	4.53E-08	3.45E-04	1.09E-07	4.63E-08	3.45E-04	1.09E-07	4.62E-08
4160	471363.09, 3855877.25	3.72E-04	1.17E-07	4.98E-08	3.80E-04	1.20E-07	5.09E-08	3.79E-04	1.20E-07	5.08E-08
4161	471863.09, 3855877.25	3.89E-04	1.23E-07	5.21E-08	3.97E-04	1.25E-07	5.31E-08	3.96E-04	1.25E-07	5.31E-08
4162	472363.09, 3855877.25	4.24E-04	1.34E-07	5.68E-08	4.33E-04	1.37E-07	5.79E-08	4.32E-04	1.36E-07	5.79E-08
4163	472863.09, 3855877.25	4.30E-04	1.36E-07	5.76E-08	4.39E-04	1.38E-07	5.87E-08	4.38E-04	1.38E-07	5.87E-08
4164	473363.09, 3855877.25	4.71E-04	1.49E-07	6.31E-08	4.80E-04	1.52E-07	6.43E-08	4.80E-04	1.51E-07	6.43E-08
4165	473863.09, 3855877.25	4.99E-04	1.57E-07	6.68E-08	5.09E-04	1.61E-07	6.82E-08	5.08E-04	1.60E-07	6.81E-08
4166	474363.09, 3855877.25	5.14E-04	1.62E-07	6.88E-08	5.24E-04	1.65E-07	7.02E-08	5.23E-04	1.65E-07	7.01E-08
4167	474863.09, 3855877.25	4.11E-04	1.30E-07	5.50E-08	4.19E-04	1.32E-07	5.62E-08	4.19E-04	1.32E-07	5.61E-08
4168	475363.09, 3855877.25	2.36E-04	7.44E-08	3.16E-08	2.41E-04	7.59E-08	3.22E-08	2.40E-04	7.58E-08	3.22E-08
4169	475863.09, 3855877.25	6.84E-05	2.16E-08	9.15E-09	6.98E-05	2.20E-08	9.34E-09	6.97E-05	2.20E-08	9.33E-09
4170	476363.09, 3855877.25	7.19E-05	2.27E-08	9.63E-09	7.34E-05	2.32E-08	9.82E-09	7.33E-05	2.31E-08	9.81E-09
4171	476863.09, 3855877.25	1.29E-04	4.06E-08	1.72E-08	1.31E-04	4.15E-08	1.76E-08	1.31E-04	4.14E-08	1.76E-08
4172	477363.09, 3855877.25	1.64E-04	5.18E-08	2.20E-08	1.67E-04	5.29E-08	2.24E-08	1.67E-04	5.28E-08	2.24E-08
4173	477863.09, 3855877.25	2.10E-04	6.64E-08	2.82E-08	2.15E-04	6.78E-08	2.87E-08	2.14E-04	6.77E-08	2.87E-08
4174	478363.09, 3855877.25	2.79E-04	8.82E-08	3.74E-08	2.85E-04	9.00E-08	3.82E-08	2.85E-04	8.99E-08	3.81E-08
4175	478863.09, 3855877.25	3.70E-04	1.17E-07	4.95E-08	3.77E-04	1.19E-07	5.05E-08	3.77E-04	1.19E-07	5.05E-08
4176	479363.09, 3855877.25	4.83E-04	1.53E-07	6.47E-08	4.93E-04	1.56E-07	6.60E-08	4.93E-04	1.55E-07	6.60E-08
4177	479863.09, 3855877.25	5.78E-04	1.82E-07	7.73E-08	5.89E-04	1.86E-07	7.89E-08	5.89E-04	1.86E-07	7.88E-08
4178	480363.09, 3855877.25	7.01E-04	2.21E-07	9.38E-08	7.15E-04	2.26E-07	9.57E-08	7.14E-04	2.25E-07	9.56E-08
4179	480863.09, 3855877.25	8.31E-04	2.62E-07	1.11E-07	8.48E-04	2.68E-07	1.14E-07	8.47E-04	2.67E-07	1.13E-07
4180	481363.09, 3855877.25	8.27E-04	2.61E-07	1.11E-07	8.44E-04	2.66E-07	1.13E-07	8.43E-04	2.66E-07	1.13E-07
4181	481863.09, 3855877.25	9.80E-04	3.09E-07	1.31E-07	1.00E-03	3.16E-07	1.34E-07	9.99E-04	3.15E-07	1.34E-07
4182	482363.09, 3855877.25	9.82E-04	3.10E-07	1.32E-07	1.00E-03	3.16E-07	1.34E-07	1.00E-03	3.16E-07	1.34E-07
4183	482863.09, 3855877.25	9.89E-04	3.12E-07	1.32E-07	1.01E-03	3.18E-07	1.35E-07	1.01E-03	3.18E-07	1.35E-07
4184	483363.09, 3855877.25	1.01E-03	3.18E-07	1.35E-07	1.03E-03	3.24E-07	1.38E-07	1.03E-03	3.24E-07	1.37E-07
4185	483863.09, 3855877.25	1.01E-03	3.17E-07	1.35E-07	1.03E-03	3.24E-07	1.37E-07	1.02E-03	3.23E-07	1.37E-07
4186	484363.09, 3855877.25	1.03E-03	3.26E-07	1.38E-07	1.05E-03	3.33E-07	1.41E-07	1.05E-03	3.32E-07	1.41E-07
4187	484863.09, 3855877.25	1.03E-03	3.26E-07	1.38E-07	1.05E-03	3.33E-07	1.41E-07	1.05E-03	3.32E-07	1.41E-07
4188	485363.09, 3855877.25	1.02E-03	3.21E-07	1.36E-07	1.04E-03	3.27E-07	1.39E-07	1.04E-03	3.27E-07	1.39E-07
4189	485863.09, 3855877.25	1.02E-03	3.21E-07	1.36E-07	1.04E-03	3.28E-07	1.39E-07	1.04E-03	3.27E-07	1.39E-07
4190	486363.09, 3855877.25	9.51E-04	3.00E-07	1.27E-07	9.71E-04	3.06E-07	1.30E-07	9.69E-04	3.06E-07	1.30E-07
4191	486863.09, 3855877.25	9.22E-04	2.91E-07	1.23E-07	9.41E-04	2.97E-07	1.26E-07	9.40E-04	2.97E-07	1.26E-07
4192	487363.09, 3855877.25	9.45E-04	2.98E-07	1.27E-07	9.64E-04	3.04E-07	1.29E-07	9.63E-04	3.04E-07	1.29E-07
4193	487863.09, 3855877.25	9.60E-04	3.03E-07	1.29E-07	9.80E-04	3.09E-07	1.31E-07	9.79E-04	3.09E-07	1.31E-07
4194	488363.09, 3855877.25	9.82E-04	3.10E-07	1.32E-07	1.00E-03	3.16E-07	1.34E-07	1.00E-03	3.16E-07	1.34E-07
4195	488863.09, 3855877.25	9.96E-04	3.14E-07	1.33E-07	1.02E-03	3.21E-07	1.36E-07	1.01E-03	3.20E-07	1.36E-07
4196	489363.09, 3855877.25	9.78E-04	3.09E-07	1.31E-07	9.98E-04	3.15E-07	1.34E-07	9.97E-04	3.15E-07	1.33E-07

4197	489863.09, 3855877.25	9.47E-04	2.99E-07	1.27E-07	9.66E-04	3.05E-07	1.29E-07	9.65E-04	3.05E-07	1.29E-07
4198	490363.09, 3855877.25	9.18E-04	2.90E-07	1.23E-07	9.37E-04	2.96E-07	1.26E-07	9.36E-04	2.95E-07	1.25E-07
4199	490863.09, 3855877.25	8.70E-04	2.75E-07	1.16E-07	8.88E-04	2.80E-07	1.19E-07	8.87E-04	2.80E-07	1.19E-07
4200	491363.09, 3855877.25	7.95E-04	2.51E-07	1.06E-07	8.12E-04	2.56E-07	1.09E-07	8.11E-04	2.56E-07	1.09E-07
4201	491863.09, 3855877.25	8.29E-04	2.62E-07	1.11E-07	8.46E-04	2.67E-07	1.13E-07	8.45E-04	2.67E-07	1.13E-07
4202	492363.09, 3855877.25	7.96E-04	2.51E-07	1.07E-07	8.13E-04	2.57E-07	1.09E-07	8.12E-04	2.56E-07	1.09E-07
4203	492863.09, 3855877.25	7.69E-04	2.43E-07	1.03E-07	7.85E-04	2.48E-07	1.05E-07	7.84E-04	2.47E-07	1.05E-07
4204	493363.09, 3855877.25	6.70E-04	2.11E-07	8.97E-08	6.84E-04	2.16E-07	9.16E-08	6.83E-04	2.16E-07	9.15E-08
4205	493863.09, 3855877.25	5.39E-04	1.70E-07	7.21E-08	5.50E-04	1.73E-07	7.36E-08	5.49E-04	1.73E-07	7.35E-08
4206	494363.09, 3855877.25	4.10E-04	1.29E-07	5.49E-08	4.19E-04	1.32E-07	5.60E-08	4.18E-04	1.32E-07	5.60E-08
4207	494863.09, 3855877.25	3.24E-04	1.02E-07	4.34E-08	3.31E-04	1.04E-07	4.43E-08	3.31E-04	1.04E-07	4.43E-08
4208	495363.09, 3855877.25	2.44E-04	7.69E-08	3.26E-08	2.49E-04	7.85E-08	3.33E-08	2.48E-04	7.84E-08	3.33E-08
4209	495863.09, 3855877.25	2.47E-04	7.78E-08	3.30E-08	2.52E-04	7.94E-08	3.37E-08	2.51E-04	7.93E-08	3.37E-08
4210	496363.09, 3855877.25	2.53E-04	8.00E-08	3.39E-08	2.59E-04	8.16E-08	3.46E-08	2.58E-04	8.15E-08	3.46E-08
4211	496863.09, 3855877.25	2.73E-04	8.60E-08	3.65E-08	2.78E-04	8.78E-08	3.72E-08	2.78E-04	8.77E-08	3.72E-08
4212	497363.09, 3855877.25	2.95E-04	9.30E-08	3.95E-08	3.01E-04	9.49E-08	4.03E-08	3.00E-04	9.48E-08	4.02E-08
4213	497863.09, 3855877.25	3.23E-04	1.02E-07	4.33E-08	3.30E-04	1.04E-07	4.42E-08	3.29E-04	1.04E-07	4.41E-08
4214	498363.09, 3855877.25	3.77E-04	1.19E-07	5.05E-08	3.85E-04	1.22E-07	5.16E-08	3.85E-04	1.21E-07	5.15E-08
4215	471363.09, 3856377.25	3.58E-04	1.13E-07	4.80E-08	3.66E-04	1.15E-07	4.90E-08	3.65E-04	1.15E-07	4.89E-08
4216	471863.09, 3856377.25	3.72E-04	1.17E-07	4.98E-08	3.80E-04	1.20E-07	5.09E-08	3.79E-04	1.20E-07	5.08E-08
4217	472363.09, 3856377.25	3.96E-04	1.25E-07	5.31E-08	4.04E-04	1.28E-07	5.42E-08	4.04E-04	1.27E-07	5.41E-08
4218	472863.09, 3856377.25	4.23E-04	1.34E-07	5.67E-08	4.32E-04	1.36E-07	5.78E-08	4.31E-04	1.36E-07	5.78E-08
4219	473363.09, 3856377.25	4.46E-04	1.41E-07	5.97E-08	4.55E-04	1.43E-07	6.09E-08	4.54E-04	1.43E-07	6.08E-08
4220	473863.09, 3856377.25	4.84E-04	1.53E-07	6.48E-08	4.93E-04	1.56E-07	6.61E-08	4.93E-04	1.56E-07	6.60E-08
4221	474363.09, 3856377.25	4.74E-04	1.49E-07	6.34E-08	4.83E-04	1.53E-07	6.47E-08	4.83E-04	1.52E-07	6.46E-08
4222	474863.09, 3856377.25	4.42E-04	1.40E-07	5.92E-08	4.51E-04	1.42E-07	6.04E-08	4.51E-04	1.42E-07	6.04E-08
4223	475363.09, 3856377.25	3.52E-04	1.11E-07	4.71E-08	3.59E-04	1.13E-07	4.81E-08	3.59E-04	1.13E-07	4.80E-08
4224	475863.09, 3856377.25	2.22E-04	6.99E-08	2.97E-08	2.26E-04	7.14E-08	3.03E-08	2.26E-04	7.13E-08	3.02E-08
4225	476363.09, 3856377.25	1.98E-04	6.26E-08	2.66E-08	2.02E-04	6.39E-08	2.71E-08	2.02E-04	6.38E-08	2.71E-08
4226	476863.09, 3856377.25	1.97E-04	6.21E-08	2.64E-08	2.01E-04	6.34E-08	2.69E-08	2.01E-04	6.33E-08	2.69E-08
4227	477363.09, 3856377.25	2.05E-04	6.48E-08	2.75E-08	2.10E-04	6.61E-08	2.81E-08	2.09E-04	6.61E-08	2.80E-08
4228	477863.09, 3856377.25	1.44E-04	4.54E-08	1.93E-08	1.47E-04	4.63E-08	1.96E-08	1.47E-04	4.63E-08	1.96E-08
4229	478363.09, 3856377.25	1.15E-04	3.63E-08	1.54E-08	1.17E-04	3.70E-08	1.57E-08	1.17E-04	3.70E-08	1.57E-08
4230	478863.09, 3856377.25	2.75E-04	8.68E-08	3.68E-08	2.81E-04	8.85E-08	3.76E-08	2.80E-04	8.84E-08	3.75E-08
4231	479363.09, 3856377.25	3.56E-04	1.12E-07	4.76E-08	3.63E-04	1.15E-07	4.86E-08	3.62E-04	1.14E-07	4.85E-08
4232	479863.09, 3856377.25	5.30E-04	1.67E-07	7.10E-08	5.41E-04	1.71E-07	7.24E-08	5.40E-04	1.71E-07	7.24E-08
4233	480363.09, 3856377.25	6.80E-04	2.15E-07	9.10E-08	6.94E-04	2.19E-07	9.29E-08	6.93E-04	2.19E-07	9.28E-08
4234	480863.09, 3856377.25	7.66E-04	2.42E-07	1.03E-07	7.81E-04	2.47E-07	1.05E-07	7.81E-04	2.46E-07	1.05E-07
4235	481363.09, 3856377.25	8.22E-04	2.59E-07	1.10E-07	8.39E-04	2.65E-07	1.12E-07	8.38E-04	2.64E-07	1.12E-07
4236	481863.09, 3856377.25	8.55E-04	2.70E-07	1.14E-07	8.72E-04	2.75E-07	1.17E-07	8.71E-04	2.75E-07	1.17E-07
4237	482363.09, 3856377.25	8.48E-04	2.68E-07	1.14E-07	8.65E-04	2.73E-07	1.16E-07	8.64E-04	2.73E-07	1.16E-07
4238	482863.09, 3856377.25	8.50E-04	2.68E-07	1.14E-07	8.68E-04	2.74E-07	1.16E-07	8.67E-04	2.74E-07	1.16E-07
4239	483363.09, 3856377.25	8.68E-04	2.74E-07	1.16E-07	8.86E-04	2.80E-07	1.19E-07	8.85E-04	2.79E-07	1.18E-07
4240	483863.09, 3856377.25	8.83E-04	2.79E-07	1.18E-07	9.01E-04	2.84E-07	1.21E-07	8.99E-04	2.84E-07	1.20E-07
4241	484363.09, 3856377.25	9.04E-04	2.85E-07	1.21E-07	9.22E-04	2.91E-07	1.24E-07	9.21E-04	2.91E-07	1.23E-07
4242	484863.09, 3856377.25	9.30E-04	2.94E-07	1.25E-07	9.49E-04	3.00E-07	1.27E-07	9.48E-04	2.99E-07	1.27E-07
4243	485363.09, 3856377.25	9.36E-04	2.95E-07	1.25E-07	9.55E-04	3.01E-07	1.28E-07	9.54E-04	3.01E-07	1.28E-07
4244	485863.09, 3856377.25	9.21E-04	2.91E-07	1.23E-07	9.40E-04	2.97E-07	1.26E-07	9.39E-04	2.96E-07	1.26E-07
4245	486363.09, 3856377.25	9.04E-04	2.85E-07	1.21E-07	9.23E-04	2.91E-07	1.24E-07	9.22E-04	2.91E-07	1.23E-07
4246	486863.09, 3856377.25	8.89E-04	2.81E-07	1.19E-07	9.07E-04	2.86E-07	1.21E-07	9.06E-04	2.86E-07	1.21E-07
4247	487363.09, 3856377.25	8.88E-04	2.80E-07	1.19E-07	9.06E-04	2.86E-07	1.21E-07	9.05E-04	2.86E-07	1.21E-07
4248	487863.09, 3856377.25	8.98E-04	2.83E-07	1.20E-07	9.16E-04	2.89E-07	1.23E-07	9.15E-04	2.89E-07	1.23E-07
4249	488363.09, 3856377.25	8.94E-04	2.82E-07	1.20E-07	9.12E-04	2.88E-07	1.22E-07	9.11E-04	2.88E-07	1.22E-07
4250	488863.09, 3856377.25	9.16E-04	2.89E-07	1.23E-07	9.35E-04	2.95E-07	1.25E-07	9.34E-04	2.95E-07	1.25E-07
4251	489363.09, 3856377.25	9.20E-04	2.90E-07	1.23E-07	9.39E-04	2.96E-07	1.26E-07	9.38E-04	2.96E-07	1.26E-07
4252	489863.09, 3856377.25	9.09E-04	2.87E-07	1.22E-07	9.28E-04	2.93E-07	1.24E-07	9.27E-04	2.93E-07	1.24E-07
4253	490363.09, 3856377.25	8.86E-04	2.80E-07	1.19E-07	9.04E-04	2.85E-07	1.21E-07	9.03E-04	2.85E-07	1.21E-07
4254	490863.09, 3856377.25	8.53E-04	2.69E-07	1.14E-07	8.70E-04	2.75E-07	1.17E-07	8.69E-04	2.74E-07	1.16E-07
4255	491363.09, 3856377.25	8.24E-04	2.60E-07	1.10E-07	8.41E-04	2.65E-07	1.13E-07	8.40E-04	2.65E-07	1.12E-07
4256	491863.09, 3856377.25	7.93E-04	2.50E-07	1.06E-07	8.09E-04	2.55E-07	1.08E-07	8.08E-04	2.55E-07	1.08E-07
4257	492363.09, 3856377.25	7.53E-04	2.38E-07	1.01E-07	7.68E-04	2.42E-07	1.03E-07	7.67E-04	2.42E-07	1.03E-07
4258	492863.09, 3856377.25	6.86E-04	2.17E-07	9.19E-08	7.00E-04	2.21E-07	9.37E-08	6.99E-04	2.21E-07	9.36E-08
4259	493363.09, 3856377.25	5.27E-04	1.66E-07	7.05E-08	5.37E-04	1.70E-07	7.20E-08	5.37E-04	1.69E-07	7.19E-08
4260	493863.09, 3856377.25	4.44E-04	1.40E-07	5.94E-08	4.53E-04	1.43E-07	6.06E-08	4.52E-04	1.43E-07	6.06E-08
4261	494363.09, 3856377.25	3.43E-04	1.08E-07	4.59E-08	3.50E-04	1.10E-07	4.68E-08	3.49E-04	1.10E-07	4.68E-08
4262	494863.09, 3856377.25	2.75E-04	8.67E-08	3.68E-08	2.80E-04	8.84E-08	3.75E-08	2.80E-04	8.83E-08	3.75E-08
4263	495363.09, 3856377.25	2.40E-04	7.57E-08	3.21E-08	2.45E-04	7.72E-08	3.28E-08	2.44E-04	7.72E-08	3.27E-08
4264	495863.09, 3856377.25	2.44E-04	7.69E-08	3.26E-08	2.49E-04	7.85E-08	3.33E-08	2.48E-04	7.84E-08	3.33E-08
4265	496363.09, 3856377.25	2.59E-04	8.17E-08	3.46E-08	2.64E-04	8.33E-08	3.54E-08	2.64E-04	8.32E-08	3.53E-08
4266	496863.09, 3856377.25	2.91E-04	9.19E-08	3.90E-08	2.97E-04	9.38E-08	3.98E-08	2.97E-04	9.37E-08	3.97E-08

4267	497363.09, 3856377.25	3.23E-04	1.02E-07	4.32E-08	3.29E-04	1.04E-07	4.41E-08	3.29E-04	1.04E-07	4.40E-08
4268	497863.09, 3856377.25	3.67E-04	1.16E-07	4.91E-08	3.74E-04	1.18E-07	5.01E-08	3.74E-04	1.18E-07	5.00E-08
4269	498363.09, 3856377.25	4.21E-04	1.33E-07	5.64E-08	4.30E-04	1.36E-07	5.76E-08	4.29E-04	1.36E-07	5.75E-08
4270	471363.09, 3856877.25	3.50E-04	1.10E-07	4.68E-08	3.57E-04	1.13E-07	4.78E-08	3.56E-04	1.13E-07	4.77E-08
4271	471863.09, 3856877.25	3.59E-04	1.13E-07	4.81E-08	3.67E-04	1.16E-07	4.91E-08	3.66E-04	1.16E-07	4.91E-08
4272	472363.09, 3856877.25	3.79E-04	1.20E-07	5.07E-08	3.87E-04	1.22E-07	5.18E-08	3.86E-04	1.22E-07	5.17E-08
4273	472863.09, 3856877.25	3.97E-04	1.25E-07	5.31E-08	4.05E-04	1.28E-07	5.42E-08	4.04E-04	1.28E-07	5.41E-08
4274	473363.09, 3856877.25	4.30E-04	1.36E-07	5.76E-08	4.39E-04	1.38E-07	5.87E-08	4.38E-04	1.38E-07	5.87E-08
4275	473863.09, 3856877.25	4.49E-04	1.42E-07	6.01E-08	4.58E-04	1.45E-07	6.13E-08	4.57E-04	1.44E-07	6.13E-08
4276	474363.09, 3856877.25	4.38E-04	1.38E-07	5.86E-08	4.47E-04	1.41E-07	5.98E-08	4.46E-04	1.41E-07	5.98E-08
4277	474863.09, 3856877.25	4.10E-04	1.29E-07	5.49E-08	4.18E-04	1.32E-07	5.60E-08	4.18E-04	1.32E-07	5.59E-08
4278	475363.09, 3856877.25	3.49E-04	1.10E-07	4.68E-08	3.57E-04	1.13E-07	4.78E-08	3.56E-04	1.12E-07	4.77E-08
4279	475863.09, 3856877.25	3.41E-04	1.08E-07	4.57E-08	3.48E-04	1.10E-07	4.66E-08	3.48E-04	1.10E-07	4.66E-08
4280	476363.09, 3856877.25	2.89E-04	9.13E-08	3.87E-08	2.95E-04	9.32E-08	3.95E-08	2.95E-04	9.31E-08	3.95E-08
4281	476863.09, 3856877.25	2.71E-04	8.54E-08	3.62E-08	2.76E-04	8.71E-08	3.70E-08	2.76E-04	8.70E-08	3.69E-08
4282	477363.09, 3856877.25	2.25E-04	7.11E-08	3.01E-08	2.30E-04	7.25E-08	3.08E-08	2.29E-04	7.24E-08	3.07E-08
4283	477863.09, 3856877.25	1.29E-04	4.08E-08	1.73E-08	1.32E-04	4.17E-08	1.77E-08	1.32E-04	4.16E-08	1.77E-08
4284	478363.09, 3856877.25	1.03E-04	3.25E-08	1.38E-08	1.05E-04	3.31E-08	1.41E-08	1.05E-04	3.31E-08	1.40E-08
4285	478863.09, 3856877.25	1.37E-04	4.33E-08	1.84E-08	1.40E-04	4.42E-08	1.88E-08	1.40E-04	4.42E-08	1.87E-08
4286	479363.09, 3856877.25	1.96E-04	6.18E-08	2.62E-08	2.00E-04	6.31E-08	2.68E-08	2.00E-04	6.30E-08	2.67E-08
4287	479863.09, 3856877.25	4.62E-04	1.46E-07	6.19E-08	4.71E-04	1.49E-07	6.31E-08	4.71E-04	1.49E-07	6.31E-08
4288	480363.09, 3856877.25	6.06E-04	1.91E-07	8.12E-08	6.19E-04	1.95E-07	8.29E-08	6.18E-04	1.95E-07	8.28E-08
4289	480863.09, 3856877.25	7.05E-04	2.22E-07	9.43E-08	7.19E-04	2.27E-07	9.63E-08	7.18E-04	2.27E-07	9.62E-08
4290	481363.09, 3856877.25	7.50E-04	2.37E-07	1.00E-07	7.65E-04	2.42E-07	1.02E-07	7.64E-04	2.41E-07	1.02E-07
4291	481863.09, 3856877.25	7.75E-04	2.45E-07	1.04E-07	7.91E-04	2.50E-07	1.06E-07	7.90E-04	2.49E-07	1.06E-07
4292	482363.09, 3856877.25	7.73E-04	2.44E-07	1.04E-07	7.89E-04	2.49E-07	1.06E-07	7.88E-04	2.49E-07	1.06E-07
4293	482863.09, 3856877.25	7.70E-04	2.43E-07	1.03E-07	7.86E-04	2.48E-07	1.05E-07	7.85E-04	2.48E-07	1.05E-07
4294	483363.09, 3856877.25	7.81E-04	2.46E-07	1.05E-07	7.97E-04	2.51E-07	1.07E-07	7.96E-04	2.51E-07	1.07E-07
4295	483863.09, 3856877.25	7.91E-04	2.50E-07	1.06E-07	8.07E-04	2.55E-07	1.08E-07	8.06E-04	2.54E-07	1.08E-07
4296	484363.09, 3856877.25	8.05E-04	2.54E-07	1.08E-07	8.22E-04	2.59E-07	1.10E-07	8.21E-04	2.59E-07	1.10E-07
4297	484863.09, 3856877.25	8.42E-04	2.66E-07	1.13E-07	8.59E-04	2.71E-07	1.15E-07	8.58E-04	2.71E-07	1.15E-07
4298	485363.09, 3856877.25	8.83E-04	2.79E-07	1.18E-07	9.01E-04	2.84E-07	1.21E-07	9.00E-04	2.84E-07	1.21E-07
4299	485863.09, 3856877.25	9.00E-04	2.84E-07	1.21E-07	9.19E-04	2.90E-07	1.23E-07	9.17E-04	2.90E-07	1.23E-07
4300	486363.09, 3856877.25	8.43E-04	2.66E-07	1.13E-07	8.60E-04	2.71E-07	1.15E-07	8.59E-04	2.71E-07	1.15E-07
4301	486863.09, 3856877.25	8.81E-04	2.78E-07	1.18E-07	8.99E-04	2.84E-07	1.20E-07	8.98E-04	2.83E-07	1.20E-07
4302	487363.09, 3856877.25	9.05E-04	2.86E-07	1.21E-07	9.23E-04	2.91E-07	1.24E-07	9.22E-04	2.91E-07	1.24E-07
4303	487863.09, 3856877.25	9.18E-04	2.90E-07	1.23E-07	9.37E-04	2.96E-07	1.25E-07	9.36E-04	2.95E-07	1.25E-07
4304	488363.09, 3856877.25	9.10E-04	2.87E-07	1.22E-07	9.29E-04	2.93E-07	1.24E-07	9.28E-04	2.93E-07	1.24E-07
4305	488863.09, 3856877.25	8.97E-04	2.83E-07	1.20E-07	9.15E-04	2.89E-07	1.23E-07	9.14E-04	2.88E-07	1.22E-07
4306	489363.09, 3856877.25	8.95E-04	2.83E-07	1.20E-07	9.14E-04	2.88E-07	1.22E-07	9.13E-04	2.88E-07	1.22E-07
4307	489863.09, 3856877.25	8.89E-04	2.80E-07	1.19E-07	9.07E-04	2.86E-07	1.21E-07	9.06E-04	2.86E-07	1.21E-07
4308	490363.09, 3856877.25	8.69E-04	2.74E-07	1.16E-07	8.87E-04	2.80E-07	1.19E-07	8.86E-04	2.80E-07	1.19E-07
4309	490863.09, 3856877.25	8.56E-04	2.70E-07	1.15E-07	8.74E-04	2.76E-07	1.17E-07	8.73E-04	2.75E-07	1.17E-07
4310	491363.09, 3856877.25	8.30E-04	2.62E-07	1.11E-07	8.47E-04	2.67E-07	1.13E-07	8.46E-04	2.67E-07	1.13E-07
4311	491863.09, 3856877.25	8.02E-04	2.53E-07	1.07E-07	8.19E-04	2.58E-07	1.10E-07	8.18E-04	2.58E-07	1.10E-07
4312	492363.09, 3856877.25	7.11E-04	2.24E-07	9.52E-08	7.26E-04	2.29E-07	9.72E-08	7.25E-04	2.29E-07	9.70E-08
4313	492863.09, 3856877.25	6.31E-04	1.99E-07	8.46E-08	6.44E-04	2.03E-07	8.63E-08	6.44E-04	2.03E-07	8.62E-08
4314	493363.09, 3856877.25	5.29E-04	1.67E-07	7.08E-08	5.39E-04	1.70E-07	7.22E-08	5.39E-04	1.70E-07	7.21E-08
4315	493863.09, 3856877.25	4.06E-04	1.28E-07	5.44E-08	4.15E-04	1.31E-07	5.55E-08	4.14E-04	1.31E-07	5.55E-08
4316	494363.09, 3856877.25	3.17E-04	1.00E-07	4.25E-08	3.24E-04	1.02E-07	4.34E-08	3.23E-04	1.02E-07	4.33E-08
4317	494863.09, 3856877.25	2.89E-04	9.12E-08	3.87E-08	2.95E-04	9.31E-08	3.95E-08	2.95E-04	9.30E-08	3.95E-08
4318	495363.09, 3856877.25	2.80E-04	8.84E-08	3.75E-08	2.86E-04	9.02E-08	3.83E-08	2.85E-04	9.00E-08	3.82E-08
4319	495863.09, 3856877.25	2.91E-04	9.18E-08	3.89E-08	2.97E-04	9.37E-08	3.97E-08	2.96E-04	9.36E-08	3.97E-08
4320	496363.09, 3856877.25	3.05E-04	9.63E-08	4.08E-08	3.11E-04	9.82E-08	4.17E-08	3.11E-04	9.81E-08	4.16E-08
4321	496863.09, 3856877.25	3.29E-04	1.04E-07	4.40E-08	3.36E-04	1.06E-07	4.49E-08	3.35E-04	1.06E-07	4.49E-08
4322	497363.09, 3856877.25	3.64E-04	1.15E-07	4.87E-08	3.71E-04	1.17E-07	4.97E-08	3.71E-04	1.17E-07	4.97E-08
4323	497863.09, 3856877.25	4.26E-04	1.34E-07	5.71E-08	4.35E-04	1.37E-07	5.82E-08	4.34E-04	1.37E-07	5.82E-08
4324	498363.09, 3856877.25	4.99E-04	1.58E-07	6.68E-08	5.09E-04	1.61E-07	6.82E-08	5.09E-04	1.61E-07	6.81E-08
4325	471363.09, 3857377.25	3.42E-04	1.08E-07	4.58E-08	3.49E-04	1.10E-07	4.67E-08	3.48E-04	1.10E-07	4.67E-08
4326	471863.09, 3857377.25	3.49E-04	1.10E-07	4.68E-08	3.57E-04	1.13E-07	4.78E-08	3.56E-04	1.12E-07	4.77E-08
4327	472363.09, 3857377.25	3.63E-04	1.15E-07	4.86E-08	3.70E-04	1.17E-07	4.96E-08	3.70E-04	1.17E-07	4.95E-08
4328	472863.09, 3857377.25	3.80E-04	1.20E-07	5.08E-08	3.87E-04	1.22E-07	5.19E-08	3.87E-04	1.22E-07	5.18E-08
4329	473363.09, 3857377.25	4.02E-04	1.27E-07	5.38E-08	4.10E-04	1.29E-07	5.49E-08	4.09E-04	1.29E-07	5.48E-08
4330	473863.09, 3857377.25	4.29E-04	1.35E-07	5.74E-08	4.37E-04	1.38E-07	5.86E-08	4.37E-04	1.38E-07	5.85E-08
4331	474363.09, 3857377.25	4.08E-04	1.29E-07	5.47E-08	4.17E-04	1.32E-07	5.58E-08	4.16E-04	1.31E-07	5.57E-08
4332	474863.09, 3857377.25	3.25E-04	1.02E-07	4.35E-08	3.31E-04	1.05E-07	4.44E-08	3.31E-04	1.04E-07	4.43E-08
4333	475363.09, 3857377.25	2.17E-04	6.84E-08	2.90E-08	2.21E-04	6.98E-08	2.96E-08	2.21E-04	6.98E-08	2.96E-08
4334	475863.09, 3857377.25	1.92E-04	6.07E-08	2.58E-08	1.96E-04	6.20E-08	2.63E-08	1.96E-04	6.19E-08	2.63E-08
4335	476363.09, 3857377.25	2.55E-04	8.04E-08	3.41E-08	2.60E-04	8.21E-08	3.48E-08	2.60E-04	8.20E-08	3.48E-08
4336	476863.09, 3857377.25	2.66E-04	8.39E-08	3.56E-08	2.71E-04	8.56E-08	3.63E-08	2.71E-04	8.55E-08	3.63E-08

4337	477363.09, 3857377.25	2.23E-04	7.05E-08	2.99E-08	2.28E-04	7.19E-08	3.05E-08	2.28E-04	7.18E-08	3.05E-08
4338	477863.09, 3857377.25	1.51E-04	4.76E-08	2.02E-08	1.54E-04	4.86E-08	2.06E-08	1.54E-04	4.85E-08	2.06E-08
4339	478363.09, 3857377.25	9.96E-05	3.14E-08	1.33E-08	1.02E-04	3.21E-08	1.36E-08	1.02E-04	3.20E-08	1.36E-08
4340	478863.09, 3857377.25	7.75E-05	2.45E-08	1.04E-08	7.91E-05	2.50E-08	1.06E-08	7.90E-05	2.49E-08	1.06E-08
4341	479363.09, 3857377.25	1.41E-04	4.45E-08	1.89E-08	1.44E-04	4.55E-08	1.93E-08	1.44E-04	4.54E-08	1.93E-08
4342	479863.09, 3857377.25	3.84E-04	1.21E-07	5.14E-08	3.91E-04	1.24E-07	5.24E-08	3.91E-04	1.23E-07	5.24E-08
4343	480363.09, 3857377.25	3.14E-04	9.92E-08	4.21E-08	3.21E-04	1.01E-07	4.30E-08	3.20E-04	1.01E-07	4.29E-08
4344	480863.09, 3857377.25	6.44E-04	2.03E-07	8.63E-08	6.57E-04	2.07E-07	8.80E-08	6.57E-04	2.07E-07	8.79E-08
4345	481363.09, 3857377.25	6.44E-04	2.03E-07	8.62E-08	6.57E-04	2.07E-07	8.80E-08	6.56E-04	2.07E-07	8.79E-08
4346	481863.09, 3857377.25	6.82E-04	2.15E-07	9.14E-08	6.96E-04	2.20E-07	9.33E-08	6.96E-04	2.20E-07	9.31E-08
4347	482363.09, 3857377.25	7.15E-04	2.26E-07	9.57E-08	7.29E-04	2.30E-07	9.77E-08	7.29E-04	2.30E-07	9.76E-08
4348	482863.09, 3857377.25	7.23E-04	2.28E-07	9.68E-08	7.38E-04	2.33E-07	9.88E-08	7.37E-04	2.33E-07	9.87E-08
4349	483363.09, 3857377.25	7.38E-04	2.33E-07	9.88E-08	7.53E-04	2.38E-07	1.01E-07	7.52E-04	2.37E-07	1.01E-07
4350	483863.09, 3857377.25	7.55E-04	2.38E-07	1.01E-07	7.70E-04	2.43E-07	1.03E-07	7.69E-04	2.43E-07	1.03E-07
4351	484363.09, 3857377.25	7.61E-04	2.40E-07	1.02E-07	7.77E-04	2.45E-07	1.04E-07	7.76E-04	2.45E-07	1.04E-07
4352	484863.09, 3857377.25	7.79E-04	2.46E-07	1.04E-07	7.95E-04	2.51E-07	1.06E-07	7.94E-04	2.51E-07	1.06E-07
4353	485363.09, 3857377.25	8.12E-04	2.56E-07	1.09E-07	8.29E-04	2.62E-07	1.11E-07	8.28E-04	2.61E-07	1.11E-07
4354	485863.09, 3857377.25	8.63E-04	2.72E-07	1.16E-07	8.80E-04	2.78E-07	1.18E-07	8.79E-04	2.78E-07	1.18E-07
4355	486363.09, 3857377.25	9.18E-04	2.90E-07	1.23E-07	9.37E-04	2.96E-07	1.26E-07	9.36E-04	2.95E-07	1.25E-07
4356	486863.09, 3857377.25	8.86E-04	2.80E-07	1.19E-07	9.04E-04	2.85E-07	1.21E-07	9.03E-04	2.85E-07	1.21E-07
4357	487363.09, 3857377.25	9.46E-04	2.98E-07	1.27E-07	9.65E-04	3.05E-07	1.29E-07	9.64E-04	3.04E-07	1.29E-07
4358	487863.09, 3857377.25	1.01E-03	3.19E-07	1.35E-07	1.03E-03	3.25E-07	1.38E-07	1.03E-03	3.25E-07	1.38E-07
4359	488363.09, 3857377.25	1.03E-03	3.24E-07	1.37E-07	1.05E-03	3.30E-07	1.40E-07	1.05E-03	3.30E-07	1.40E-07
4360	488863.09, 3857377.25	1.02E-03	3.23E-07	1.37E-07	1.04E-03	3.30E-07	1.40E-07	1.04E-03	3.29E-07	1.40E-07
4361	489363.09, 3857377.25	9.73E-04	3.07E-07	1.30E-07	9.93E-04	3.13E-07	1.33E-07	9.92E-04	3.13E-07	1.33E-07
4362	489863.09, 3857377.25	9.31E-04	2.94E-07	1.25E-07	9.50E-04	3.00E-07	1.27E-07	9.48E-04	2.99E-07	1.27E-07
4363	490363.09, 3857377.25	9.08E-04	2.87E-07	1.22E-07	9.27E-04	2.92E-07	1.24E-07	9.26E-04	2.92E-07	1.24E-07
4364	490863.09, 3857377.25	9.03E-04	2.85E-07	1.21E-07	9.22E-04	2.91E-07	1.23E-07	9.20E-04	2.91E-07	1.23E-07
4365	491363.09, 3857377.25	9.11E-04	2.87E-07	1.22E-07	9.29E-04	2.93E-07	1.24E-07	9.28E-04	2.93E-07	1.24E-07
4366	491863.09, 3857377.25	8.79E-04	2.77E-07	1.18E-07	8.97E-04	2.83E-07	1.20E-07	8.96E-04	2.83E-07	1.20E-07
4367	492363.09, 3857377.25	7.48E-04	2.36E-07	1.00E-07	7.64E-04	2.41E-07	1.02E-07	7.63E-04	2.41E-07	1.02E-07
4368	492863.09, 3857377.25	6.24E-04	1.97E-07	8.35E-08	6.37E-04	2.01E-07	8.52E-08	6.36E-04	2.01E-07	8.51E-08
4369	493363.09, 3857377.25	4.86E-04	1.53E-07	6.51E-08	4.96E-04	1.56E-07	6.64E-08	4.95E-04	1.56E-07	6.63E-08
4370	493863.09, 3857377.25	4.39E-04	1.39E-07	5.88E-08	4.48E-04	1.41E-07	6.00E-08	4.48E-04	1.41E-07	6.00E-08
4371	494363.09, 3857377.25	3.93E-04	1.24E-07	5.26E-08	4.01E-04	1.27E-07	5.37E-08	4.00E-04	1.26E-07	5.36E-08
4372	494863.09, 3857377.25	3.81E-04	1.20E-07	5.10E-08	3.89E-04	1.23E-07	5.21E-08	3.88E-04	1.23E-07	5.20E-08
4373	495363.09, 3857377.25	3.73E-04	1.18E-07	4.99E-08	3.80E-04	1.20E-07	5.09E-08	3.80E-04	1.20E-07	5.09E-08
4374	495863.09, 3857377.25	3.84E-04	1.21E-07	5.14E-08	3.91E-04	1.24E-07	5.24E-08	3.91E-04	1.23E-07	5.24E-08
4375	496363.09, 3857377.25	3.98E-04	1.26E-07	5.33E-08	4.06E-04	1.28E-07	5.44E-08	4.05E-04	1.28E-07	5.43E-08
4376	496863.09, 3857377.25	4.15E-04	1.31E-07	5.56E-08	4.23E-04	1.34E-07	5.67E-08	4.23E-04	1.33E-07	5.66E-08
4377	497363.09, 3857377.25	4.48E-04	1.41E-07	6.00E-08	4.57E-04	1.44E-07	6.12E-08	4.56E-04	1.44E-07	6.11E-08
4378	497863.09, 3857377.25	4.98E-04	1.57E-07	6.67E-08	5.08E-04	1.60E-07	6.80E-08	5.08E-04	1.60E-07	6.80E-08
4379	498363.09, 3857377.25	6.10E-04	1.92E-07	8.16E-08	6.22E-04	1.96E-07	8.33E-08	6.21E-04	1.96E-07	8.32E-08
4380	471363.09, 3857877.25	3.28E-04	1.03E-07	4.39E-08	3.34E-04	1.06E-07	4.48E-08	3.34E-04	1.05E-07	4.47E-08
4381	471863.09, 3857877.25	3.37E-04	1.06E-07	4.51E-08	3.44E-04	1.08E-07	4.60E-08	3.43E-04	1.08E-07	4.60E-08
4382	472363.09, 3857877.25	3.49E-04	1.10E-07	4.68E-08	3.56E-04	1.12E-07	4.77E-08	3.56E-04	1.12E-07	4.77E-08
4383	472863.09, 3857877.25	3.69E-04	1.17E-07	4.94E-08	3.77E-04	1.19E-07	5.05E-08	3.76E-04	1.19E-07	5.04E-08
4384	473363.09, 3857877.25	3.82E-04	1.21E-07	5.12E-08	3.90E-04	1.23E-07	5.22E-08	3.90E-04	1.23E-07	5.22E-08
4385	473863.09, 3857877.25	4.01E-04	1.26E-07	5.37E-08	4.09E-04	1.29E-07	5.48E-08	4.08E-04	1.29E-07	5.47E-08
4386	474363.09, 3857877.25	3.74E-04	1.18E-07	5.01E-08	3.82E-04	1.21E-07	5.11E-08	3.81E-04	1.20E-07	5.11E-08
4387	474863.09, 3857877.25	2.89E-04	9.13E-08	3.87E-08	2.95E-04	9.32E-08	3.95E-08	2.95E-04	9.31E-08	3.95E-08
4388	475363.09, 3857877.25	1.52E-04	4.80E-08	2.04E-08	1.55E-04	4.90E-08	2.08E-08	1.55E-04	4.89E-08	2.08E-08
4389	475863.09, 3857877.25	5.30E-05	1.67E-08	7.10E-09	5.41E-05	1.71E-08	7.25E-09	5.41E-05	1.71E-08	7.24E-09
4390	476363.09, 3857877.25	1.68E-04	5.29E-08	2.25E-08	1.71E-04	5.40E-08	2.29E-08	1.71E-04	5.39E-08	2.29E-08
4391	476863.09, 3857877.25	2.09E-04	6.58E-08	2.79E-08	2.13E-04	6.72E-08	2.85E-08	2.13E-04	6.71E-08	2.85E-08
4392	477363.09, 3857877.25	1.99E-04	6.29E-08	2.67E-08	2.03E-04	6.42E-08	2.72E-08	2.03E-04	6.41E-08	2.72E-08
4393	477863.09, 3857877.25	1.84E-04	5.79E-08	2.46E-08	1.87E-04	5.91E-08	2.51E-08	1.87E-04	5.91E-08	2.51E-08
4394	478363.09, 3857877.25	8.25E-05	2.60E-08	1.10E-08	8.42E-05	2.66E-08	1.13E-08	8.41E-05	2.65E-08	1.13E-08
4395	478863.09, 3857877.25	6.22E-05	1.96E-08	8.33E-09	6.34E-05	2.00E-08	8.50E-09	6.34E-05	2.00E-08	8.49E-09
4396	479363.09, 3857877.25	3.54E-04	1.12E-07	4.74E-08	3.61E-04	1.14E-07	4.83E-08	3.60E-04	1.14E-07	4.83E-08
4397	479863.09, 3857877.25	5.27E-04	1.66E-07	7.06E-08	5.38E-04	1.70E-07	7.21E-08	5.38E-04	1.70E-07	7.20E-08
4398	480363.09, 3857877.25	5.79E-04	1.83E-07	7.75E-08	5.91E-04	1.86E-07	7.91E-08	5.90E-04	1.86E-07	7.90E-08
4399	480863.09, 3857877.25	5.90E-04	1.86E-07	7.90E-08	6.02E-04	1.90E-07	8.06E-08	6.01E-04	1.90E-07	8.05E-08
4400	481363.09, 3857877.25	6.08E-04	1.92E-07	8.15E-08	6.21E-04	1.96E-07	8.31E-08	6.20E-04	1.96E-07	8.30E-08
4401	481863.09, 3857877.25	6.28E-04	1.98E-07	8.41E-08	6.41E-04	2.02E-07	8.58E-08	6.40E-04	2.02E-07	8.57E-08
4402	482363.09, 3857877.25	6.64E-04	2.09E-07	8.89E-08	6.77E-04	2.14E-07	9.07E-08	6.76E-04	2.13E-07	9.06E-08
4403	482863.09, 3857877.25	6.79E-04	2.14E-07	9.10E-08	6.93E-04	2.19E-07	9.29E-08	6.93E-04	2.19E-07	9.27E-08
4404	483363.09, 3857877.25	7.02E-04	2.21E-07	9.40E-08	7.16E-04	2.26E-07	9.59E-08	7.15E-04	2.26E-07	9.58E-08
4405	483863.09, 3857877.25	7.30E-04	2.30E-07	9.78E-08	7.45E-04	2.35E-07	9.98E-08	7.44E-04	2.35E-07	9.97E-08
4406	484363.09, 3857877.25	7.53E-04	2.38E-07	1.01E-07	7.69E-04	2.43E-07	1.03E-07	7.68E-04	2.42E-07	1.03E-07

4407	484863.09, 3857877.25	7.83E-04	2.47E-07	1.05E-07	7.99E-04	2.52E-07	1.07E-07	7.98E-04	2.52E-07	1.07E-07
4408	485363.09, 3857877.25	8.20E-04	2.59E-07	1.10E-07	8.37E-04	2.64E-07	1.12E-07	8.36E-04	2.64E-07	1.12E-07
4409	485863.09, 3857877.25	8.55E-04	2.70E-07	1.14E-07	8.72E-04	2.75E-07	1.17E-07	8.71E-04	2.75E-07	1.17E-07
4410	486363.09, 3857877.25	9.04E-04	2.85E-07	1.21E-07	9.22E-04	2.91E-07	1.24E-07	9.21E-04	2.91E-07	1.23E-07
4411	486863.09, 3857877.25	1.01E-03	3.18E-07	1.35E-07	1.03E-03	3.24E-07	1.37E-07	1.03E-03	3.24E-07	1.37E-07
4412	487363.09, 3857877.25	1.12E-03	3.54E-07	1.50E-07	1.15E-03	3.62E-07	1.53E-07	1.14E-03	3.61E-07	1.53E-07
4413	487863.09, 3857877.25	1.20E-03	3.77E-07	1.60E-07	1.22E-03	3.85E-07	1.63E-07	1.22E-03	3.84E-07	1.63E-07
4414	488363.09, 3857877.25	1.32E-03	4.16E-07	1.76E-07	1.34E-03	4.24E-07	1.80E-07	1.34E-03	4.24E-07	1.80E-07
4415	488863.09, 3857877.25	1.36E-03	4.31E-07	1.83E-07	1.39E-03	4.39E-07	1.86E-07	1.39E-03	4.39E-07	1.86E-07
4416	489363.09, 3857877.25	1.25E-03	3.94E-07	1.67E-07	1.27E-03	4.02E-07	1.71E-07	1.27E-03	4.02E-07	1.70E-07
4417	489863.09, 3857877.25	1.15E-03	3.64E-07	1.55E-07	1.18E-03	3.72E-07	1.58E-07	1.18E-03	3.71E-07	1.57E-07
4418	490363.09, 3857877.25	1.14E-03	3.59E-07	1.53E-07	1.16E-03	3.67E-07	1.56E-07	1.16E-03	3.66E-07	1.55E-07
4419	490863.09, 3857877.25	1.18E-03	3.71E-07	1.58E-07	1.20E-03	3.79E-07	1.61E-07	1.20E-03	3.78E-07	1.61E-07
4420	491363.09, 3857877.25	1.12E-03	3.53E-07	1.50E-07	1.14E-03	3.60E-07	1.53E-07	1.14E-03	3.60E-07	1.53E-07
4421	491863.09, 3857877.25	1.02E-03	3.22E-07	1.36E-07	1.04E-03	3.28E-07	1.39E-07	1.04E-03	3.28E-07	1.39E-07
4422	492363.09, 3857877.25	8.37E-04	2.64E-07	1.12E-07	8.54E-04	2.70E-07	1.14E-07	8.53E-04	2.69E-07	1.14E-07
4423	492863.09, 3857877.25	6.87E-04	2.17E-07	9.20E-08	7.01E-04	2.21E-07	9.39E-08	7.00E-04	2.21E-07	9.37E-08
4424	493363.09, 3857877.25	6.33E-04	2.00E-07	8.48E-08	6.46E-04	2.04E-07	8.65E-08	6.45E-04	2.04E-07	8.64E-08
4425	493863.09, 3857877.25	6.12E-04	1.93E-07	8.20E-08	6.25E-04	1.97E-07	8.37E-08	6.24E-04	1.97E-07	8.36E-08
4426	494363.09, 3857877.25	5.94E-04	1.87E-07	7.95E-08	6.06E-04	1.91E-07	8.11E-08	6.05E-04	1.91E-07	8.10E-08
4427	494863.09, 3857877.25	5.42E-04	1.71E-07	7.26E-08	5.53E-04	1.75E-07	7.41E-08	5.53E-04	1.74E-07	7.40E-08
4428	495363.09, 3857877.25	5.35E-04	1.69E-07	7.17E-08	5.46E-04	1.72E-07	7.31E-08	5.45E-04	1.72E-07	7.30E-08
4429	495863.09, 3857877.25	5.27E-04	1.66E-07	7.05E-08	5.37E-04	1.70E-07	7.20E-08	5.37E-04	1.69E-07	7.19E-08
4430	496363.09, 3857877.25	5.41E-04	1.71E-07	7.24E-08	5.52E-04	1.74E-07	7.39E-08	5.51E-04	1.74E-07	7.38E-08
4431	496863.09, 3857877.25	5.57E-04	1.76E-07	7.46E-08	5.69E-04	1.79E-07	7.61E-08	5.68E-04	1.79E-07	7.61E-08
4432	497363.09, 3857877.25	5.61E-04	1.77E-07	7.51E-08	5.72E-04	1.81E-07	7.66E-08	5.72E-04	1.80E-07	7.65E-08
4433	497863.09, 3857877.25	6.35E-04	2.01E-07	8.51E-08	6.48E-04	2.05E-07	8.68E-08	6.48E-04	2.04E-07	8.67E-08
4434	498363.09, 3857877.25	7.06E-04	2.23E-07	9.46E-08	7.21E-04	2.27E-07	9.65E-08	7.20E-04	2.27E-07	9.64E-08
4435	471363.09, 3858377.25	3.20E-04	1.01E-07	4.29E-08	3.27E-04	1.03E-07	4.38E-08	3.26E-04	1.03E-07	4.37E-08
4436	471863.09, 3858377.25	3.29E-04	1.04E-07	4.40E-08	3.36E-04	1.06E-07	4.49E-08	3.35E-04	1.06E-07	4.49E-08
4437	472363.09, 3858377.25	3.36E-04	1.06E-07	4.50E-08	3.43E-04	1.08E-07	4.59E-08	3.43E-04	1.08E-07	4.59E-08
4438	472863.09, 3858377.25	3.49E-04	1.10E-07	4.68E-08	3.56E-04	1.12E-07	4.77E-08	3.56E-04	1.12E-07	4.77E-08
4439	473363.09, 3858377.25	3.72E-04	1.17E-07	4.98E-08	3.79E-04	1.20E-07	5.08E-08	3.79E-04	1.20E-07	5.07E-08
4440	473863.09, 3858377.25	3.72E-04	1.17E-07	4.98E-08	3.79E-04	1.20E-07	5.08E-08	3.79E-04	1.20E-07	5.08E-08
4441	474363.09, 3858377.25	3.41E-04	1.08E-07	4.57E-08	3.48E-04	1.10E-07	4.66E-08	3.48E-04	1.10E-07	4.66E-08
4442	474863.09, 3858377.25	2.84E-04	8.97E-08	3.81E-08	2.90E-04	9.16E-08	3.89E-08	2.90E-04	9.15E-08	3.88E-08
4443	475363.09, 3858377.25	1.90E-04	5.99E-08	2.54E-08	1.94E-04	6.11E-08	2.59E-08	1.93E-04	6.10E-08	2.59E-08
4444	475863.09, 3858377.25	1.26E-04	3.97E-08	1.68E-08	1.28E-04	4.05E-08	1.72E-08	1.28E-04	4.05E-08	1.72E-08
4445	476363.09, 3858377.25	1.36E-04	4.30E-08	1.82E-08	1.39E-04	4.38E-08	1.86E-08	1.39E-04	4.38E-08	1.86E-08
4446	476863.09, 3858377.25	1.48E-04	4.67E-08	1.98E-08	1.51E-04	4.76E-08	2.02E-08	1.51E-04	4.76E-08	2.02E-08
4447	477363.09, 3858377.25	1.36E-04	4.28E-08	1.82E-08	1.38E-04	4.37E-08	1.85E-08	1.38E-04	4.36E-08	1.85E-08
4448	477863.09, 3858377.25	1.85E-04	5.84E-08	2.48E-08	1.89E-04	5.96E-08	2.53E-08	1.89E-04	5.95E-08	2.53E-08
4449	478363.09, 3858377.25	1.95E-04	6.15E-08	2.61E-08	1.99E-04	6.27E-08	2.66E-08	1.99E-04	6.27E-08	2.66E-08
4450	478863.09, 3858377.25	1.20E-04	3.79E-08	1.61E-08	1.22E-04	3.86E-08	1.64E-08	1.22E-04	3.86E-08	1.64E-08
4451	479363.09, 3858377.25	3.49E-04	1.10E-07	4.68E-08	3.57E-04	1.13E-07	4.78E-08	3.56E-04	1.12E-07	4.77E-08
4452	479863.09, 3858377.25	5.00E-04	1.58E-07	6.70E-08	5.11E-04	1.61E-07	6.84E-08	5.10E-04	1.61E-07	6.83E-08
4453	480363.09, 3858377.25	5.35E-04	1.69E-07	7.17E-08	5.46E-04	1.72E-07	7.32E-08	5.46E-04	1.72E-07	7.31E-08
4454	480863.09, 3858377.25	5.44E-04	1.72E-07	7.28E-08	5.55E-04	1.75E-07	7.43E-08	5.54E-04	1.75E-07	7.42E-08
4455	481363.09, 3858377.25	5.63E-04	1.78E-07	7.54E-08	5.75E-04	1.81E-07	7.70E-08	5.74E-04	1.81E-07	7.69E-08
4456	481863.09, 3858377.25	5.69E-04	1.80E-07	7.62E-08	5.81E-04	1.83E-07	7.78E-08	5.80E-04	1.83E-07	7.77E-08
4457	482363.09, 3858377.25	5.93E-04	1.87E-07	7.94E-08	6.05E-04	1.91E-07	8.10E-08	6.04E-04	1.91E-07	8.09E-08
4458	482863.09, 3858377.25	6.34E-04	2.00E-07	8.49E-08	6.47E-04	2.04E-07	8.66E-08	6.46E-04	2.04E-07	8.65E-08
4459	483363.09, 3858377.25	6.63E-04	2.09E-07	8.88E-08	6.77E-04	2.14E-07	9.06E-08	6.76E-04	2.13E-07	9.05E-08
4460	483863.09, 3858377.25	6.94E-04	2.19E-07	9.30E-08	7.08E-04	2.24E-07	9.49E-08	7.08E-04	2.23E-07	9.48E-08
4461	484363.09, 3858377.25	7.32E-04	2.31E-07	9.81E-08	7.47E-04	2.36E-07	1.00E-07	7.46E-04	2.36E-07	9.99E-08
4462	484863.09, 3858377.25	7.77E-04	2.45E-07	1.04E-07	7.93E-04	2.50E-07	1.06E-07	7.92E-04	2.50E-07	1.06E-07
4463	485363.09, 3858377.25	8.38E-04	2.64E-07	1.12E-07	8.55E-04	2.70E-07	1.15E-07	8.54E-04	2.70E-07	1.14E-07
4464	485863.09, 3858377.25	9.15E-04	2.89E-07	1.22E-07	9.33E-04	2.95E-07	1.25E-07	9.32E-04	2.94E-07	1.25E-07
4465	486363.09, 3858377.25	1.00E-03	3.16E-07	1.34E-07	1.02E-03	3.23E-07	1.37E-07	1.02E-03	3.22E-07	1.37E-07
4466	486863.09, 3858377.25	1.10E-03	3.48E-07	1.48E-07	1.12E-03	3.55E-07	1.51E-07	1.12E-03	3.55E-07	1.50E-07
4467	487363.09, 3858377.25	1.24E-03	3.90E-07	1.66E-07	1.26E-03	3.98E-07	1.69E-07	1.26E-03	3.98E-07	1.69E-07
4468	487863.09, 3858377.25	1.54E-03	4.87E-07	2.07E-07	1.58E-03	4.97E-07	2.11E-07	1.57E-03	4.97E-07	2.11E-07
4469	488363.09, 3858377.25	1.99E-03	6.28E-07	2.66E-07	2.03E-03	6.40E-07	2.72E-07	2.03E-03	6.40E-07	2.71E-07
4470	488863.09, 3858377.25	2.24E-03	7.08E-07	3.00E-07	2.29E-03	7.22E-07	3.06E-07	2.29E-03	7.21E-07	3.06E-07
4471	489363.09, 3858377.25	2.15E-03	6.78E-07	2.88E-07	2.19E-03	6.92E-07	2.94E-07	2.19E-03	6.91E-07	2.93E-07
4472	489863.09, 3858377.25	2.14E-03	6.74E-07	2.86E-07	2.18E-03	6.88E-07	2.92E-07	2.18E-03	6.87E-07	2.92E-07
4473	490363.09, 3858377.25	2.21E-03	6.97E-07	2.96E-07	2.25E-03	7.11E-07	3.02E-07	2.25E-03	7.11E-07	3.01E-07
4474	490863.09, 3858377.25	2.22E-03	7.00E-07	2.97E-07	2.26E-03	7.14E-07	3.03E-07	2.26E-03	7.13E-07	3.03E-07
4475	491363.09, 3858377.25	1.91E-03	6.02E-07	2.55E-07	1.95E-03	6.14E-07	2.61E-07	1.94E-03	6.13E-07	2.60E-07
4476	491863.09, 3858377.25	1.40E-03	4.41E-07	1.87E-07	1.43E-03	4.50E-07	1.91E-07	1.43E-03	4.50E-07	1.91E-07

4477	492363.09, 3858377.25	1.05E-03	3.30E-07	1.40E-07	1.07E-03	3.37E-07	1.43E-07	1.07E-03	3.37E-07	1.43E-07
4478	492863.09, 3858377.25	1.14E-03	3.61E-07	1.53E-07	1.17E-03	3.69E-07	1.56E-07	1.17E-03	3.68E-07	1.56E-07
4479	493363.09, 3858377.25	1.06E-03	3.35E-07	1.42E-07	1.08E-03	3.42E-07	1.45E-07	1.08E-03	3.41E-07	1.45E-07
4480	493863.09, 3858377.25	1.01E-03	3.20E-07	1.36E-07	1.03E-03	3.27E-07	1.39E-07	1.03E-03	3.26E-07	1.38E-07
4481	494363.09, 3858377.25	9.41E-04	2.97E-07	1.26E-07	9.60E-04	3.03E-07	1.29E-07	9.59E-04	3.03E-07	1.28E-07
4482	494863.09, 3858377.25	8.73E-04	2.76E-07	1.17E-07	8.91E-04	2.81E-07	1.19E-07	8.90E-04	2.81E-07	1.19E-07
4483	495363.09, 3858377.25	7.84E-04	2.47E-07	1.05E-07	8.00E-04	2.52E-07	1.07E-07	7.99E-04	2.52E-07	1.07E-07
4484	495863.09, 3858377.25	7.59E-04	2.40E-07	1.02E-07	7.75E-04	2.45E-07	1.04E-07	7.74E-04	2.44E-07	1.04E-07
4485	496363.09, 3858377.25	7.31E-04	2.31E-07	9.79E-08	7.46E-04	2.35E-07	9.99E-08	7.45E-04	2.35E-07	9.98E-08
4486	496863.09, 3858377.25	7.51E-04	2.37E-07	1.01E-07	7.66E-04	2.42E-07	1.03E-07	7.65E-04	2.41E-07	1.02E-07
4487	497363.09, 3858377.25	7.44E-04	2.35E-07	9.96E-08	7.59E-04	2.40E-07	1.02E-07	7.58E-04	2.39E-07	1.02E-07
4488	497863.09, 3858377.25	8.06E-04	2.54E-07	1.08E-07	8.22E-04	2.60E-07	1.10E-07	8.21E-04	2.59E-07	1.10E-07
4489	498363.09, 3858377.25	8.90E-04	2.81E-07	1.19E-07	9.08E-04	2.87E-07	1.22E-07	9.07E-04	2.86E-07	1.21E-07
4490	471363.09, 3858877.25	3.09E-04	9.75E-08	4.14E-08	3.15E-04	9.95E-08	4.22E-08	3.15E-04	9.93E-08	4.21E-08
4491	471863.09, 3858877.25	3.14E-04	9.91E-08	4.21E-08	3.21E-04	1.01E-07	4.29E-08	3.20E-04	1.01E-07	4.29E-08
4492	472363.09, 3858877.25	3.26E-04	1.03E-07	4.37E-08	3.33E-04	1.05E-07	4.46E-08	3.33E-04	1.05E-07	4.46E-08
4493	472863.09, 3858877.25	3.37E-04	1.06E-07	4.51E-08	3.44E-04	1.09E-07	4.61E-08	3.44E-04	1.08E-07	4.60E-08
4494	473363.09, 3858877.25	3.54E-04	1.12E-07	4.74E-08	3.61E-04	1.14E-07	4.84E-08	3.61E-04	1.14E-07	4.83E-08
4495	473863.09, 3858877.25	3.58E-04	1.13E-07	4.79E-08	3.65E-04	1.15E-07	4.89E-08	3.65E-04	1.15E-07	4.89E-08
4496	474363.09, 3858877.25	3.39E-04	1.07E-07	4.54E-08	3.46E-04	1.09E-07	4.63E-08	3.45E-04	1.09E-07	4.62E-08
4497	474863.09, 3858877.25	1.87E-04	5.90E-08	2.50E-08	1.91E-04	6.02E-08	2.55E-08	1.90E-04	6.01E-08	2.55E-08
4498	475363.09, 3858877.25	1.29E-04	4.07E-08	1.73E-08	1.32E-04	4.16E-08	1.76E-08	1.32E-04	4.15E-08	1.76E-08
4499	475863.09, 3858877.25	1.47E-04	4.63E-08	1.97E-08	1.50E-04	4.73E-08	2.01E-08	1.50E-04	4.72E-08	2.00E-08
4500	476363.09, 3858877.25	7.96E-05	2.51E-08	1.07E-08	8.12E-05	2.56E-08	1.09E-08	8.11E-05	2.56E-08	1.09E-08
4501	476863.09, 3858877.25	1.05E-04	3.31E-08	1.40E-08	1.07E-04	3.38E-08	1.43E-08	1.07E-04	3.37E-08	1.43E-08
4502	477363.09, 3858877.25	1.08E-04	3.39E-08	1.44E-08	1.10E-04	3.46E-08	1.47E-08	1.10E-04	3.46E-08	1.47E-08
4503	477863.09, 3858877.25	1.38E-04	4.34E-08	1.84E-08	1.40E-04	4.43E-08	1.88E-08	1.40E-04	4.43E-08	1.88E-08
4504	478363.09, 3858877.25	2.73E-04	8.61E-08	3.65E-08	2.78E-04	8.79E-08	3.73E-08	2.78E-04	8.78E-08	3.72E-08
4505	478863.09, 3858877.25	2.30E-04	7.25E-08	3.08E-08	2.35E-04	7.40E-08	3.14E-08	2.34E-04	7.39E-08	3.14E-08
4506	479363.09, 3858877.25	1.82E-04	5.76E-08	2.44E-08	1.86E-04	5.87E-08	2.49E-08	1.86E-04	5.87E-08	2.49E-08
4507	479863.09, 3858877.25	4.80E-04	1.51E-07	6.42E-08	4.90E-04	1.54E-07	6.56E-08	4.89E-04	1.54E-07	6.55E-08
4508	480363.09, 3858877.25	5.00E-04	1.58E-07	6.69E-08	5.10E-04	1.61E-07	6.83E-08	5.09E-04	1.61E-07	6.82E-08
4509	480863.09, 3858877.25	5.16E-04	1.63E-07	6.91E-08	5.26E-04	1.66E-07	7.05E-08	5.26E-04	1.66E-07	7.04E-08
4510	481363.09, 3858877.25	5.29E-04	1.67E-07	7.09E-08	5.40E-04	1.70E-07	7.23E-08	5.39E-04	1.70E-07	7.22E-08
4511	481863.09, 3858877.25	5.38E-04	1.70E-07	7.21E-08	5.49E-04	1.73E-07	7.35E-08	5.48E-04	1.73E-07	7.34E-08
4512	482363.09, 3858877.25	5.50E-04	1.74E-07	7.37E-08	5.61E-04	1.77E-07	7.52E-08	5.61E-04	1.77E-07	7.51E-08
4513	482863.09, 3858877.25	5.72E-04	1.80E-07	7.66E-08	5.83E-04	1.84E-07	7.81E-08	5.83E-04	1.84E-07	7.80E-08
4514	483363.09, 3858877.25	6.18E-04	1.95E-07	8.27E-08	6.31E-04	1.99E-07	8.44E-08	6.30E-04	1.99E-07	8.43E-08
4515	483863.09, 3858877.25	6.51E-04	2.05E-07	8.71E-08	6.64E-04	2.10E-07	8.89E-08	6.63E-04	2.09E-07	8.88E-08
4516	484363.09, 3858877.25	6.92E-04	2.18E-07	9.26E-08	7.06E-04	2.23E-07	9.45E-08	7.05E-04	2.22E-07	9.44E-08
4517	484863.09, 3858877.25	7.41E-04	2.34E-07	9.92E-08	7.56E-04	2.39E-07	1.01E-07	7.55E-04	2.38E-07	1.01E-07
4518	485363.09, 3858877.25	8.10E-04	2.56E-07	1.08E-07	8.26E-04	2.61E-07	1.11E-07	8.25E-04	2.60E-07	1.11E-07
4519	485863.09, 3858877.25	9.08E-04	2.87E-07	1.22E-07	9.27E-04	2.92E-07	1.24E-07	9.26E-04	2.92E-07	1.24E-07
4520	486363.09, 3858877.25	1.03E-03	3.26E-07	1.38E-07	1.05E-03	3.33E-07	1.41E-07	1.05E-03	3.32E-07	1.41E-07
4521	486863.09, 3858877.25	1.22E-03	3.84E-07	1.63E-07	1.24E-03	3.91E-07	1.66E-07	1.24E-03	3.91E-07	1.66E-07
4522	487363.09, 3858877.25	1.52E-03	4.80E-07	2.04E-07	1.55E-03	4.90E-07	2.08E-07	1.55E-03	4.90E-07	2.08E-07
4523	487863.09, 3858877.25	2.04E-03	6.44E-07	2.73E-07	2.08E-03	6.57E-07	2.79E-07	2.08E-03	6.56E-07	2.78E-07
4524	488363.09, 3858877.25	3.42E-03	1.08E-06	4.58E-07	3.49E-03	1.10E-06	4.67E-07	3.48E-03	1.10E-06	4.66E-07
4525	488863.09, 3858877.25	1.60E-02	5.04E-06	2.14E-06	1.63E-02	5.15E-06	2.18E-06	1.63E-02	5.14E-06	2.18E-06
4526	489363.09, 3858877.25	1.51E-02	4.77E-06	2.02E-06	1.54E-02	4.87E-06	2.07E-06	1.54E-02	4.86E-06	2.06E-06
4527	489863.09, 3858877.25	9.73E-03	3.07E-06	1.30E-06	9.93E-03	3.13E-06	1.33E-06	9.92E-03	3.13E-06	1.33E-06
4528	490363.09, 3858877.25	6.83E-03	2.16E-06	9.15E-07	6.97E-03	2.20E-06	9.34E-07	6.97E-03	2.20E-06	9.33E-07
4529	490863.09, 3858877.25	4.50E-03	1.42E-06	6.02E-07	4.59E-03	1.45E-06	6.14E-07	4.58E-03	1.45E-06	6.14E-07
4530	491363.09, 3858877.25	2.87E-03	9.07E-07	3.85E-07	2.93E-03	9.25E-07	3.93E-07	2.93E-03	9.24E-07	3.92E-07
4531	491863.09, 3858877.25	2.01E-03	6.35E-07	2.69E-07	2.05E-03	6.48E-07	2.75E-07	2.05E-03	6.47E-07	2.74E-07
4532	492363.09, 3858877.25	2.15E-03	6.79E-07	2.88E-07	2.20E-03	6.93E-07	2.94E-07	2.19E-03	6.92E-07	2.94E-07
4533	492863.09, 3858877.25	2.40E-03	7.56E-07	3.21E-07	2.45E-03	7.72E-07	3.28E-07	2.44E-03	7.71E-07	3.27E-07
4534	493363.09, 3858877.25	2.07E-03	6.54E-07	2.77E-07	2.11E-03	6.67E-07	2.83E-07	2.11E-03	6.66E-07	2.83E-07
4535	493863.09, 3858877.25	1.68E-03	5.30E-07	2.25E-07	1.71E-03	5.41E-07	2.30E-07	1.71E-03	5.40E-07	2.29E-07
4536	494363.09, 3858877.25	1.52E-03	4.81E-07	2.04E-07	1.55E-03	4.90E-07	2.08E-07	1.55E-03	4.90E-07	2.08E-07
4537	494863.09, 3858877.25	1.36E-03	4.29E-07	1.82E-07	1.39E-03	4.38E-07	1.86E-07	1.39E-03	4.38E-07	1.86E-07
4538	495363.09, 3858877.25	1.21E-03	3.80E-07	1.61E-07	1.23E-03	3.88E-07	1.65E-07	1.23E-03	3.88E-07	1.65E-07
4539	495863.09, 3858877.25	1.11E-03	3.50E-07	1.49E-07	1.13E-03	3.57E-07	1.52E-07	1.13E-03	3.57E-07	1.51E-07
4540	496363.09, 3858877.25	1.05E-03	3.32E-07	1.41E-07	1.07E-03	3.39E-07	1.44E-07	1.07E-03	3.38E-07	1.44E-07
4541	496863.09, 3858877.25	9.98E-04	3.15E-07	1.34E-07	1.02E-03	3.21E-07	1.36E-07	1.02E-03	3.21E-07	1.36E-07
4542	497363.09, 3858877.25	9.49E-04	2.99E-07	1.27E-07	9.68E-04	3.06E-07	1.30E-07	9.67E-04	3.05E-07	1.29E-07
4543	497863.09, 3858877.25	1.01E-03	3.20E-07	1.36E-07	1.03E-03	3.27E-07	1.39E-07	1.03E-03	3.26E-07	1.38E-07
4544	498363.09, 3858877.25	1.09E-03	3.43E-07	1.46E-07	1.11E-03	3.50E-07	1.49E-07	1.11E-03	3.50E-07	1.48E-07
4545	471363.09, 3859377.25	2.93E-04	9.23E-08	3.92E-08	2.99E-04	9.42E-08	4.00E-08	2.98E-04	9.41E-08	3.99E-08
4546	471863.09, 3859377.25	3.00E-04	9.48E-08	4.02E-08	3.06E-04	9.67E-08	4.10E-08	3.06E-04	9.66E-08	4.10E-08

4547	472363.09, 3859377.25	3.12E-04	9.86E-08	4.18E-08	3.19E-04	1.01E-07	4.27E-08	3.18E-04	1.00E-07	4.26E-08
4548	472863.09, 3859377.25	3.23E-04	1.02E-07	4.33E-08	3.30E-04	1.04E-07	4.42E-08	3.29E-04	1.04E-07	4.41E-08
4549	473363.09, 3859377.25	3.36E-04	1.06E-07	4.50E-08	3.43E-04	1.08E-07	4.59E-08	3.42E-04	1.08E-07	4.58E-08
4550	473863.09, 3859377.25	3.44E-04	1.09E-07	4.60E-08	3.51E-04	1.11E-07	4.70E-08	3.50E-04	1.11E-07	4.69E-08
4551	474363.09, 3859377.25	3.25E-04	1.02E-07	4.35E-08	3.31E-04	1.05E-07	4.44E-08	3.31E-04	1.04E-07	4.43E-08
4552	474863.09, 3859377.25	2.63E-04	8.29E-08	3.52E-08	2.68E-04	8.46E-08	3.59E-08	2.68E-04	8.45E-08	3.58E-08
4553	475363.09, 3859377.25	1.79E-04	5.65E-08	2.40E-08	1.83E-04	5.76E-08	2.44E-08	1.82E-04	5.75E-08	2.44E-08
4554	475863.09, 3859377.25	1.08E-04	3.39E-08	1.44E-08	1.10E-04	3.46E-08	1.47E-08	1.10E-04	3.46E-08	1.47E-08
4555	476363.09, 3859377.25	9.13E-05	2.88E-08	1.22E-08	9.32E-05	2.94E-08	1.25E-08	9.31E-05	2.94E-08	1.25E-08
4556	476863.09, 3859377.25	6.87E-05	2.17E-08	9.19E-09	7.01E-05	2.21E-08	9.38E-09	7.00E-05	2.21E-08	9.37E-09
4557	477363.09, 3859377.25	7.54E-05	2.38E-08	1.01E-08	7.70E-05	2.43E-08	1.03E-08	7.69E-05	2.43E-08	1.03E-08
4558	477863.09, 3859377.25	1.57E-04	4.97E-08	2.11E-08	1.61E-04	5.07E-08	2.15E-08	1.60E-04	5.06E-08	2.15E-08
4559	478363.09, 3859377.25	2.37E-04	7.49E-08	3.18E-08	2.42E-04	7.64E-08	3.24E-08	2.42E-04	7.63E-08	3.24E-08
4560	478863.09, 3859377.25	3.25E-04	1.03E-07	4.36E-08	3.32E-04	1.05E-07	4.45E-08	3.32E-04	1.05E-07	4.44E-08
4561	479363.09, 3859377.25	3.88E-04	1.22E-07	5.20E-08	3.96E-04	1.25E-07	5.30E-08	3.96E-04	1.25E-07	5.30E-08
4562	479863.09, 3859377.25	4.29E-04	1.35E-07	5.74E-08	4.37E-04	1.38E-07	5.86E-08	4.37E-04	1.38E-07	5.85E-08
4563	480363.09, 3859377.25	4.59E-04	1.45E-07	6.15E-08	4.69E-04	1.48E-07	6.28E-08	4.68E-04	1.48E-07	6.27E-08
4564	480863.09, 3859377.25	4.81E-04	1.52E-07	6.44E-08	4.91E-04	1.55E-07	6.58E-08	4.90E-04	1.55E-07	6.57E-08
4565	481363.09, 3859377.25	4.95E-04	1.56E-07	6.63E-08	5.05E-04	1.60E-07	6.77E-08	5.05E-04	1.59E-07	6.76E-08
4566	481863.09, 3859377.25	5.06E-04	1.60E-07	6.78E-08	5.16E-04	1.63E-07	6.91E-08	5.16E-04	1.63E-07	6.91E-08
4567	482363.09, 3859377.25	5.19E-04	1.64E-07	6.95E-08	5.30E-04	1.67E-07	7.09E-08	5.29E-04	1.67E-07	7.09E-08
4568	482863.09, 3859377.25	5.40E-04	1.71E-07	7.24E-08	5.51E-04	1.74E-07	7.38E-08	5.51E-04	1.74E-07	7.38E-08
4569	483363.09, 3859377.25	5.78E-04	1.82E-07	7.73E-08	5.89E-04	1.86E-07	7.89E-08	5.89E-04	1.86E-07	7.88E-08
4570	483863.09, 3859377.25	6.11E-04	1.93E-07	8.18E-08	6.24E-04	1.97E-07	8.35E-08	6.23E-04	1.97E-07	8.34E-08
4571	484363.09, 3859377.25	6.52E-04	2.06E-07	8.74E-08	6.66E-04	2.10E-07	8.91E-08	6.65E-04	2.10E-07	8.90E-08
4572	484863.09, 3859377.25	7.02E-04	2.22E-07	9.41E-08	7.17E-04	2.26E-07	9.60E-08	7.16E-04	2.26E-07	9.59E-08
4573	485363.09, 3859377.25	7.68E-04	2.43E-07	1.03E-07	7.84E-04	2.47E-07	1.05E-07	7.83E-04	2.47E-07	1.05E-07
4574	485863.09, 3859377.25	8.62E-04	2.72E-07	1.15E-07	8.79E-04	2.77E-07	1.18E-07	8.78E-04	2.77E-07	1.18E-07
4575	486363.09, 3859377.25	9.94E-04	3.14E-07	1.33E-07	1.01E-03	3.20E-07	1.36E-07	1.01E-03	3.20E-07	1.36E-07
4576	486863.09, 3859377.25	1.18E-03	3.72E-07	1.58E-07	1.20E-03	3.80E-07	1.61E-07	1.20E-03	3.80E-07	1.61E-07
4577	487363.09, 3859377.25	1.49E-03	4.69E-07	1.99E-07	1.52E-03	4.78E-07	2.03E-07	1.51E-03	4.78E-07	2.03E-07
4578	487863.09, 3859377.25	2.10E-03	6.61E-07	2.81E-07	2.14E-03	6.75E-07	2.86E-07	2.14E-03	6.74E-07	2.86E-07
4579	488363.09, 3859377.25	3.30E-03	1.04E-06	4.42E-07	3.37E-03	1.06E-06	4.51E-07	3.36E-03	1.06E-06	4.50E-07
4580	488863.09, 3859377.25	6.65E-03	2.10E-06	8.91E-07	6.79E-03	2.14E-06	9.09E-07	6.78E-03	2.14E-06	9.08E-07
4581	489363.09, 3859377.25	1.79E-02	5.66E-06	2.40E-06	1.83E-02	5.78E-06	2.45E-06	1.83E-02	5.77E-06	2.45E-06
4582	489863.09, 3859377.25	6.24E-02	1.97E-05	8.36E-06	6.37E-02	2.01E-05	8.53E-06	6.36E-02	2.01E-05	8.52E-06
4583	490363.09, 3859377.25	2.15E-02	6.79E-06	2.88E-06	2.19E-02	6.92E-06	2.94E-06	2.19E-02	6.92E-06	2.93E-06
4584	490863.09, 3859377.25	1.06E-02	3.33E-06	1.41E-06	1.08E-02	3.40E-06	1.44E-06	1.08E-02	3.40E-06	1.44E-06
4585	491363.09, 3859377.25	5.24E-03	1.65E-06	7.02E-07	5.35E-03	1.69E-06	7.16E-07	5.34E-03	1.69E-06	7.16E-07
4586	491863.09, 3859377.25	5.56E-03	1.76E-06	7.45E-07	5.68E-03	1.79E-06	7.60E-07	5.67E-03	1.79E-06	7.59E-07
4587	492363.09, 3859377.25	4.74E-03	1.50E-06	6.35E-07	4.84E-03	1.53E-06	6.48E-07	4.83E-03	1.53E-06	6.47E-07
4588	492863.09, 3859377.25	4.24E-03	1.34E-06	5.68E-07	4.33E-03	1.37E-06	5.79E-07	4.32E-03	1.36E-06	5.79E-07
4589	493363.09, 3859377.25	3.35E-03	1.06E-06	4.49E-07	3.42E-03	1.08E-06	4.58E-07	3.42E-03	1.08E-06	4.58E-07
4590	493863.09, 3859377.25	2.95E-03	9.31E-07	3.95E-07	3.01E-03	9.50E-07	4.03E-07	3.01E-03	9.49E-07	4.03E-07
4591	494363.09, 3859377.25	2.50E-03	7.90E-07	3.35E-07	2.55E-03	8.06E-07	3.42E-07	2.55E-03	8.05E-07	3.42E-07
4592	494863.09, 3859377.25	1.97E-03	6.21E-07	2.64E-07	2.01E-03	6.34E-07	2.69E-07	2.01E-03	6.33E-07	2.69E-07
4593	495363.09, 3859377.25	1.77E-03	5.59E-07	2.37E-07	1.81E-03	5.70E-07	2.42E-07	1.80E-03	5.70E-07	2.42E-07
4594	495863.09, 3859377.25	1.55E-03	4.90E-07	2.08E-07	1.58E-03	5.00E-07	2.12E-07	1.58E-03	4.99E-07	2.12E-07
4595	496363.09, 3859377.25	1.46E-03	4.60E-07	1.95E-07	1.49E-03	4.69E-07	1.99E-07	1.48E-03	4.69E-07	1.99E-07
4596	496863.09, 3859377.25	1.25E-03	3.95E-07	1.68E-07	1.28E-03	4.03E-07	1.71E-07	1.28E-03	4.03E-07	1.71E-07
4597	497363.09, 3859377.25	1.23E-03	3.88E-07	1.65E-07	1.26E-03	3.96E-07	1.68E-07	1.25E-03	3.96E-07	1.68E-07
4598	497863.09, 3859377.25	1.28E-03	4.04E-07	1.71E-07	1.31E-03	4.12E-07	1.75E-07	1.30E-03	4.12E-07	1.75E-07
4599	498363.09, 3859377.25	1.30E-03	4.11E-07	1.75E-07	1.33E-03	4.20E-07	1.78E-07	1.33E-03	4.19E-07	1.78E-07
4600	471363.09, 3859877.25	2.78E-04	8.79E-08	3.73E-08	2.84E-04	8.97E-08	3.81E-08	2.84E-04	8.96E-08	3.80E-08
4601	471863.09, 3859877.25	2.88E-04	9.08E-08	3.85E-08	2.93E-04	9.26E-08	3.93E-08	2.93E-04	9.25E-08	3.93E-08
4602	472363.09, 3859877.25	2.96E-04	9.33E-08	3.96E-08	3.02E-04	9.52E-08	4.04E-08	3.01E-04	9.51E-08	4.03E-08
4603	472863.09, 3859877.25	3.07E-04	9.69E-08	4.11E-08	3.13E-04	9.89E-08	4.20E-08	3.13E-04	9.88E-08	4.19E-08
4604	473363.09, 3859877.25	3.18E-04	1.00E-07	4.25E-08	3.24E-04	1.02E-07	4.34E-08	3.24E-04	1.02E-07	4.34E-08
4605	473863.09, 3859877.25	3.26E-04	1.03E-07	4.37E-08	3.33E-04	1.05E-07	4.46E-08	3.33E-04	1.05E-07	4.46E-08
4606	474363.09, 3859877.25	3.17E-04	1.00E-07	4.25E-08	3.24E-04	1.02E-07	4.33E-08	3.23E-04	1.02E-07	4.33E-08
4607	474863.09, 3859877.25	2.88E-04	9.10E-08	3.86E-08	2.94E-04	9.29E-08	3.94E-08	2.94E-04	9.28E-08	3.94E-08
4608	475363.09, 3859877.25	2.04E-04	6.44E-08	2.73E-08	2.08E-04	6.57E-08	2.79E-08	2.08E-04	6.56E-08	2.78E-08
4609	475863.09, 3859877.25	1.03E-04	3.25E-08	1.38E-08	1.05E-04	3.31E-08	1.41E-08	1.05E-04	3.31E-08	1.40E-08
4610	476363.09, 3859877.25	5.48E-05	1.73E-08	7.34E-09	5.59E-05	1.77E-08	7.49E-09	5.59E-05	1.76E-08	7.48E-09
4611	476863.09, 3859877.25	6.54E-05	2.06E-08	8.76E-09	6.68E-05	2.11E-08	8.94E-09	6.67E-05	2.10E-08	8.93E-09
4612	477363.09, 3859877.25	7.04E-05	2.22E-08	9.43E-09	7.19E-05	2.27E-08	9.62E-09	7.18E-05	2.27E-08	9.61E-09
4613	477863.09, 3859877.25	1.39E-04	4.40E-08	1.87E-08	1.42E-04	4.49E-08	1.90E-08	1.42E-04	4.48E-08	1.90E-08
4614	478363.09, 3859877.25	2.27E-04	7.18E-08	3.05E-08	2.32E-04	7.33E-08	3.11E-08	2.32E-04	7.32E-08	3.10E-08
4615	478863.09, 3859877.25	3.08E-04	9.73E-08	4.13E-08	3.15E-04	9.93E-08	4.21E-08	3.14E-04	9.91E-08	4.21E-08
4616	479363.09, 3859877.25	3.74E-04	1.18E-07	5.00E-08	3.81E-04	1.20E-07	5.11E-08	3.81E-04	1.20E-07	5.10E-08

4617	479863.09, 3859877.25	4.08E-04	1.29E-07	5.47E-08	4.17E-04	1.32E-07	5.58E-08	4.16E-04	1.31E-07	5.57E-08
4618	480363.09, 3859877.25	4.35E-04	1.37E-07	5.82E-08	4.44E-04	1.40E-07	5.94E-08	4.43E-04	1.40E-07	5.93E-08
4619	480863.09, 3859877.25	4.54E-04	1.43E-07	6.08E-08	4.63E-04	1.46E-07	6.20E-08	4.63E-04	1.46E-07	6.19E-08
4620	481363.09, 3859877.25	4.67E-04	1.47E-07	6.25E-08	4.77E-04	1.50E-07	6.38E-08	4.76E-04	1.50E-07	6.37E-08
4621	481863.09, 3859877.25	4.79E-04	1.51E-07	6.41E-08	4.89E-04	1.54E-07	6.54E-08	4.88E-04	1.54E-07	6.54E-08
4622	482363.09, 3859877.25	4.96E-04	1.57E-07	6.64E-08	5.06E-04	1.60E-07	6.78E-08	5.05E-04	1.60E-07	6.77E-08
4623	482863.09, 3859877.25	5.15E-04	1.63E-07	6.90E-08	5.26E-04	1.66E-07	7.04E-08	5.25E-04	1.66E-07	7.03E-08
4624	483363.09, 3859877.25	5.43E-04	1.71E-07	7.28E-08	5.54E-04	1.75E-07	7.42E-08	5.54E-04	1.75E-07	7.42E-08
4625	483863.09, 3859877.25	5.82E-04	1.84E-07	7.80E-08	5.94E-04	1.88E-07	7.96E-08	5.93E-04	1.87E-07	7.95E-08
4626	484363.09, 3859877.25	6.19E-04	1.95E-07	8.29E-08	6.32E-04	1.99E-07	8.46E-08	6.31E-04	1.99E-07	8.45E-08
4627	484863.09, 3859877.25	6.67E-04	2.10E-07	8.93E-08	6.80E-04	2.15E-07	9.11E-08	6.80E-04	2.15E-07	9.10E-08
4628	485363.09, 3859877.25	7.29E-04	2.30E-07	9.77E-08	7.44E-04	2.35E-07	9.97E-08	7.43E-04	2.35E-07	9.95E-08
4629	485863.09, 3859877.25	8.17E-04	2.58E-07	1.09E-07	8.34E-04	2.63E-07	1.12E-07	8.33E-04	2.63E-07	1.12E-07
4630	486363.09, 3859877.25	9.45E-04	2.98E-07	1.27E-07	9.64E-04	3.04E-07	1.29E-07	9.63E-04	3.04E-07	1.29E-07
4631	486863.09, 3859877.25	1.14E-03	3.60E-07	1.53E-07	1.16E-03	3.67E-07	1.56E-07	1.16E-03	3.67E-07	1.56E-07
4632	487363.09, 3859877.25	1.39E-03	4.40E-07	1.87E-07	1.42E-03	4.49E-07	1.90E-07	1.42E-03	4.48E-07	1.90E-07
4633	487863.09, 3859877.25	1.83E-03	5.76E-07	2.45E-07	1.86E-03	5.88E-07	2.50E-07	1.86E-03	5.87E-07	2.49E-07
4634	488363.09, 3859877.25	2.49E-03	7.86E-07	3.33E-07	2.54E-03	8.02E-07	3.40E-07	2.54E-03	8.01E-07	3.40E-07
4635	488863.09, 3859877.25	3.66E-03	1.15E-06	4.90E-07	3.73E-03	1.18E-06	5.00E-07	3.73E-03	1.18E-06	4.99E-07
4636	489363.09, 3859877.25	5.57E-03	1.76E-06	7.46E-07	5.69E-03	1.79E-06	7.61E-07	5.68E-03	1.79E-06	7.60E-07
4637	489863.09, 3859877.25	9.34E-03	2.95E-06	1.25E-06	9.53E-03	3.01E-06	1.28E-06	9.52E-03	3.01E-06	1.28E-06
4638	490363.09, 3859877.25	1.82E-02	5.75E-06	2.44E-06	1.86E-02	5.87E-06	2.49E-06	1.86E-02	5.86E-06	2.49E-06
4639	490863.09, 3859877.25	8.99E-02	2.84E-05	1.20E-05	9.17E-02	2.90E-05	1.23E-05	9.16E-02	2.89E-05	1.23E-05
4640	491363.09, 3859877.25	2.88E-02	9.09E-06	3.86E-06	2.94E-02	9.27E-06	3.93E-06	2.93E-02	9.26E-06	3.93E-06
4641	491863.09, 3859877.25	1.49E-02	4.72E-06	2.00E-06	1.53E-02	4.81E-06	2.04E-06	1.52E-02	4.81E-06	2.04E-06
4642	492363.09, 3859877.25	1.00E-02	3.17E-06	1.34E-06	1.02E-02	3.23E-06	1.37E-06	1.02E-02	3.23E-06	1.37E-06
4643	492863.09, 3859877.25	6.95E-03	2.19E-06	9.31E-07	7.09E-03	2.24E-06	9.50E-07	7.09E-03	2.24E-06	9.49E-07
4644	493363.09, 3859877.25	5.36E-03	1.69E-06	7.17E-07	5.47E-03	1.73E-06	7.32E-07	5.46E-03	1.72E-06	7.31E-07
4645	493863.09, 3859877.25	4.25E-03	1.34E-06	5.70E-07	4.34E-03	1.37E-06	5.81E-07	4.34E-03	1.37E-06	5.81E-07
4646	494363.09, 3859877.25	3.34E-03	1.05E-06	4.48E-07	3.41E-03	1.08E-06	4.57E-07	3.41E-03	1.08E-06	4.56E-07
4647	494863.09, 3859877.25	2.85E-03	8.99E-07	3.81E-07	2.91E-03	9.17E-07	3.89E-07	2.90E-03	9.16E-07	3.89E-07
4648	495363.09, 3859877.25	2.39E-03	7.53E-07	3.19E-07	2.43E-03	7.68E-07	3.26E-07	2.43E-03	7.67E-07	3.26E-07
4649	495863.09, 3859877.25	2.02E-03	6.37E-07	2.70E-07	2.06E-03	6.50E-07	2.76E-07	2.06E-03	6.49E-07	2.75E-07
4650	496363.09, 3859877.25	1.64E-03	5.18E-07	2.20E-07	1.68E-03	5.29E-07	2.24E-07	1.67E-03	5.28E-07	2.24E-07
4651	496863.09, 3859877.25	1.18E-03	3.74E-07	1.59E-07	1.21E-03	3.81E-07	1.62E-07	1.21E-03	3.81E-07	1.62E-07
4652	497363.09, 3859877.25	1.31E-03	4.13E-07	1.75E-07	1.33E-03	4.21E-07	1.79E-07	1.33E-03	4.20E-07	1.78E-07
4653	497863.09, 3859877.25	1.42E-03	4.50E-07	1.91E-07	1.45E-03	4.59E-07	1.95E-07	1.45E-03	4.58E-07	1.94E-07
4654	498363.09, 3859877.25	1.42E-03	4.47E-07	1.90E-07	1.45E-03	4.56E-07	1.94E-07	1.44E-03	4.56E-07	1.93E-07
4655	471363.09, 3860377.25	2.67E-04	8.42E-08	3.57E-08	2.72E-04	8.59E-08	3.64E-08	2.72E-04	8.58E-08	3.64E-08
4656	471863.09, 3860377.25	2.75E-04	8.68E-08	3.68E-08	2.81E-04	8.85E-08	3.76E-08	2.80E-04	8.84E-08	3.75E-08
4657	472363.09, 3860377.25	2.84E-04	8.97E-08	3.80E-08	2.90E-04	9.15E-08	3.88E-08	2.90E-04	9.14E-08	3.88E-08
4658	472863.09, 3860377.25	2.94E-04	9.27E-08	3.93E-08	3.00E-04	9.46E-08	4.01E-08	2.99E-04	9.45E-08	4.01E-08
4659	473363.09, 3860377.25	3.03E-04	9.55E-08	4.05E-08	3.09E-04	9.75E-08	4.14E-08	3.08E-04	9.73E-08	4.13E-08
4660	473863.09, 3860377.25	3.10E-04	9.78E-08	4.15E-08	3.16E-04	9.98E-08	4.24E-08	3.16E-04	9.97E-08	4.23E-08
4661	474363.09, 3860377.25	3.12E-04	9.86E-08	4.18E-08	3.19E-04	1.01E-07	4.27E-08	3.18E-04	1.00E-07	4.26E-08
4662	474863.09, 3860377.25	3.07E-04	9.69E-08	4.11E-08	3.13E-04	9.89E-08	4.20E-08	3.13E-04	9.88E-08	4.19E-08
4663	475363.09, 3860377.25	2.83E-04	8.95E-08	3.80E-08	2.89E-04	9.13E-08	3.87E-08	2.89E-04	9.12E-08	3.87E-08
4664	475863.09, 3860377.25	2.51E-04	7.91E-08	3.36E-08	2.56E-04	8.08E-08	3.43E-08	2.56E-04	8.07E-08	3.42E-08
4665	476363.09, 3860377.25	2.07E-04	6.54E-08	2.77E-08	2.11E-04	6.67E-08	2.83E-08	2.11E-04	6.66E-08	2.83E-08
4666	476863.09, 3860377.25	1.88E-04	5.93E-08	2.52E-08	1.92E-04	6.05E-08	2.57E-08	1.92E-04	6.05E-08	2.57E-08
4667	477363.09, 3860377.25	1.15E-04	3.63E-08	1.54E-08	1.17E-04	3.70E-08	1.57E-08	1.17E-04	3.70E-08	1.57E-08
4668	477863.09, 3860377.25	1.45E-04	4.57E-08	1.94E-08	1.48E-04	4.66E-08	1.98E-08	1.47E-04	4.65E-08	1.97E-08
4669	478363.09, 3860377.25	2.37E-04	7.50E-08	3.18E-08	2.42E-04	7.65E-08	3.25E-08	2.42E-04	7.64E-08	3.24E-08
4670	478863.09, 3860377.25	2.99E-04	9.45E-08	4.01E-08	3.05E-04	9.64E-08	4.09E-08	3.05E-04	9.63E-08	4.09E-08
4671	479363.09, 3860377.25	3.53E-04	1.11E-07	4.73E-08	3.60E-04	1.14E-07	4.82E-08	3.60E-04	1.14E-07	4.82E-08
4672	479863.09, 3860377.25	3.90E-04	1.23E-07	5.22E-08	3.97E-04	1.25E-07	5.32E-08	3.97E-04	1.25E-07	5.32E-08
4673	480363.09, 3860377.25	4.13E-04	1.30E-07	5.54E-08	4.22E-04	1.33E-07	5.65E-08	4.21E-04	1.33E-07	5.64E-08
4674	480863.09, 3860377.25	4.30E-04	1.36E-07	5.76E-08	4.39E-04	1.39E-07	5.88E-08	4.38E-04	1.38E-07	5.87E-08
4675	481363.09, 3860377.25	4.40E-04	1.39E-07	5.90E-08	4.49E-04	1.42E-07	6.02E-08	4.49E-04	1.42E-07	6.01E-08
4676	481863.09, 3860377.25	4.55E-04	1.43E-07	6.09E-08	4.64E-04	1.46E-07	6.21E-08	4.63E-04	1.46E-07	6.21E-08
4677	482363.09, 3860377.25	4.70E-04	1.48E-07	6.29E-08	4.79E-04	1.51E-07	6.42E-08	4.79E-04	1.51E-07	6.41E-08
4678	482863.09, 3860377.25	4.86E-04	1.54E-07	6.51E-08	4.96E-04	1.57E-07	6.65E-08	4.96E-04	1.56E-07	6.64E-08
4679	483363.09, 3860377.25	5.14E-04	1.62E-07	6.89E-08	5.25E-04	1.66E-07	7.03E-08	5.24E-04	1.65E-07	7.02E-08
4680	483863.09, 3860377.25	5.50E-04	1.74E-07	7.37E-08	5.61E-04	1.77E-07	7.52E-08	5.61E-04	1.77E-07	7.51E-08
4681	484363.09, 3860377.25	5.91E-04	1.87E-07	7.92E-08	6.03E-04	1.90E-07	8.08E-08	6.03E-04	1.90E-07	8.07E-08
4682	484863.09, 3860377.25	6.40E-04	2.02E-07	8.57E-08	6.53E-04	2.06E-07	8.74E-08	6.52E-04	2.06E-07	8.73E-08
4683	485363.09, 3860377.25	7.00E-04	2.21E-07	9.38E-08	7.14E-04	2.25E-07	9.57E-08	7.14E-04	2.25E-07	9.56E-08
4684	485863.09, 3860377.25	7.87E-04	2.48E-07	1.05E-07	8.03E-04	2.53E-07	1.08E-07	8.02E-04	2.53E-07	1.07E-07
4685	486363.09, 3860377.25	8.96E-04	2.83E-07	1.20E-07	9.15E-04	2.89E-07	1.22E-07	9.14E-04	2.88E-07	1.22E-07
4686	486863.09, 3860377.25	1.03E-03	3.26E-07	1.38E-07	1.05E-03	3.32E-07	1.41E-07	1.05E-03	3.32E-07	1.41E-07

4687	487363.09, 3860377.25	1.21E-03	3.83E-07	1.62E-07	1.24E-03	3.91E-07	1.66E-07	1.24E-03	3.90E-07	1.65E-07
4688	487863.09, 3860377.25	1.50E-03	4.75E-07	2.02E-07	1.54E-03	4.85E-07	2.06E-07	1.53E-03	4.84E-07	2.05E-07
4689	488363.09, 3860377.25	1.90E-03	6.00E-07	2.55E-07	1.94E-03	6.12E-07	2.60E-07	1.94E-03	6.12E-07	2.60E-07
4690	488863.09, 3860377.25	2.43E-03	7.68E-07	3.26E-07	2.48E-03	7.83E-07	3.32E-07	2.48E-03	7.82E-07	3.32E-07
4691	489363.09, 3860377.25	3.11E-03	9.82E-07	4.17E-07	3.17E-03	1.00E-06	4.25E-07	3.17E-03	1.00E-06	4.25E-07
4692	489863.09, 3860377.25	4.12E-03	1.30E-06	5.52E-07	4.21E-03	1.33E-06	5.64E-07	4.20E-03	1.33E-06	5.63E-07
4693	490363.09, 3860377.25	5.51E-03	1.74E-06	7.37E-07	5.62E-03	1.77E-06	7.52E-07	5.61E-03	1.77E-06	7.51E-07
4694	490863.09, 3860377.25	8.12E-03	2.56E-06	1.09E-06	8.29E-03	2.62E-06	1.11E-06	8.28E-03	2.61E-06	1.11E-06
4695	491363.09, 3860377.25	1.80E-02	5.69E-06	2.41E-06	1.84E-02	5.80E-06	2.46E-06	1.84E-02	5.80E-06	2.46E-06
4696	491863.09, 3860377.25	3.61E-02	1.14E-05	4.84E-06	3.69E-02	1.16E-05	4.94E-06	3.68E-02	1.16E-05	4.93E-06
4697	492363.09, 3860377.25	1.52E-02	4.81E-06	2.04E-06	1.55E-02	4.91E-06	2.08E-06	1.55E-02	4.90E-06	2.08E-06
4698	492863.09, 3860377.25	8.99E-03	2.84E-06	1.20E-06	9.17E-03	2.89E-06	1.23E-06	9.16E-03	2.89E-06	1.23E-06
4699	493363.09, 3860377.25	6.07E-03	1.92E-06	8.13E-07	6.20E-03	1.96E-06	8.30E-07	6.19E-03	1.95E-06	8.29E-07
4700	493863.09, 3860377.25	4.71E-03	1.49E-06	6.31E-07	4.81E-03	1.52E-06	6.44E-07	4.81E-03	1.52E-06	6.43E-07
4701	494363.09, 3860377.25	3.72E-03	1.17E-06	4.98E-07	3.80E-03	1.20E-06	5.09E-07	3.79E-03	1.20E-06	5.08E-07
4702	494863.09, 3860377.25	3.15E-03	9.93E-07	4.21E-07	3.21E-03	1.01E-06	4.30E-07	3.21E-03	1.01E-06	4.29E-07
4703	495363.09, 3860377.25	2.64E-03	8.32E-07	3.53E-07	2.69E-03	8.49E-07	3.60E-07	2.69E-03	8.48E-07	3.60E-07
4704	495863.09, 3860377.25	2.11E-03	6.66E-07	2.82E-07	2.15E-03	6.79E-07	2.88E-07	2.15E-03	6.78E-07	2.88E-07
4705	496363.09, 3860377.25	1.70E-03	5.36E-07	2.27E-07	1.73E-03	5.47E-07	2.32E-07	1.73E-03	5.46E-07	2.32E-07
4706	496863.09, 3860377.25	1.43E-03	4.52E-07	1.92E-07	1.46E-03	4.61E-07	1.96E-07	1.46E-03	4.61E-07	1.96E-07
4707	497363.09, 3860377.25	1.19E-03	3.76E-07	1.59E-07	1.22E-03	3.84E-07	1.63E-07	1.21E-03	3.83E-07	1.63E-07
4708	497863.09, 3860377.25	1.30E-03	4.11E-07	1.74E-07	1.33E-03	4.19E-07	1.78E-07	1.33E-03	4.19E-07	1.78E-07
4709	498363.09, 3860377.25	1.34E-03	4.23E-07	1.80E-07	1.37E-03	4.32E-07	1.83E-07	1.37E-03	4.31E-07	1.83E-07
4710	471363.09, 3860877.25	2.59E-04	8.17E-08	3.47E-08	2.64E-04	8.34E-08	3.54E-08	2.64E-04	8.33E-08	3.54E-08
4711	471863.09, 3860877.25	2.67E-04	8.43E-08	3.57E-08	2.72E-04	8.60E-08	3.65E-08	2.72E-04	8.59E-08	3.64E-08
4712	472363.09, 3860877.25	2.75E-04	8.67E-08	3.68E-08	2.80E-04	8.84E-08	3.75E-08	2.80E-04	8.83E-08	3.75E-08
4713	472863.09, 3860877.25	2.83E-04	8.94E-08	3.79E-08	2.89E-04	9.12E-08	3.87E-08	2.89E-04	9.11E-08	3.86E-08
4714	473363.09, 3860877.25	2.91E-04	9.17E-08	3.89E-08	2.96E-04	9.36E-08	3.97E-08	2.96E-04	9.35E-08	3.97E-08
4715	473863.09, 3860877.25	2.98E-04	9.39E-08	3.99E-08	3.04E-04	9.58E-08	4.07E-08	3.03E-04	9.57E-08	4.06E-08
4716	474363.09, 3860877.25	3.04E-04	9.60E-08	4.07E-08	3.10E-04	9.79E-08	4.16E-08	3.10E-04	9.78E-08	4.15E-08
4717	474863.09, 3860877.25	3.10E-04	9.78E-08	4.15E-08	3.16E-04	9.98E-08	4.24E-08	3.16E-04	9.97E-08	4.23E-08
4718	475363.09, 3860877.25	3.09E-04	9.76E-08	4.14E-08	3.15E-04	9.95E-08	4.22E-08	3.15E-04	9.94E-08	4.22E-08
4719	475863.09, 3860877.25	3.01E-04	9.49E-08	4.02E-08	3.07E-04	9.68E-08	4.11E-08	3.06E-04	9.67E-08	4.10E-08
4720	476363.09, 3860877.25	2.79E-04	8.82E-08	3.74E-08	2.85E-04	9.00E-08	3.82E-08	2.85E-04	8.99E-08	3.81E-08
4721	476863.09, 3860877.25	2.69E-04	8.49E-08	3.60E-08	2.75E-04	8.66E-08	3.68E-08	2.74E-04	8.65E-08	3.67E-08
4722	477363.09, 3860877.25	2.71E-04	8.54E-08	3.62E-08	2.76E-04	8.71E-08	3.70E-08	2.76E-04	8.70E-08	3.69E-08
4723	477863.09, 3860877.25	2.44E-04	7.70E-08	3.27E-08	2.49E-04	7.86E-08	3.33E-08	2.49E-04	7.85E-08	3.33E-08
4724	478363.09, 3860877.25	1.64E-04	5.17E-08	2.19E-08	1.67E-04	5.28E-08	2.24E-08	1.67E-04	5.27E-08	2.24E-08
4725	478863.09, 3860877.25	2.79E-04	8.80E-08	3.73E-08	2.84E-04	8.98E-08	3.81E-08	2.84E-04	8.97E-08	3.80E-08
4726	479363.09, 3860877.25	3.37E-04	1.06E-07	4.51E-08	3.43E-04	1.08E-07	4.60E-08	3.43E-04	1.08E-07	4.59E-08
4727	479863.09, 3860877.25	3.71E-04	1.17E-07	4.97E-08	3.79E-04	1.20E-07	5.07E-08	3.78E-04	1.19E-07	5.07E-08
4728	480363.09, 3860877.25	3.94E-04	1.24E-07	5.27E-08	4.02E-04	1.27E-07	5.38E-08	4.01E-04	1.27E-07	5.37E-08
4729	480863.09, 3860877.25	4.06E-04	1.28E-07	5.44E-08	4.14E-04	1.31E-07	5.55E-08	4.14E-04	1.31E-07	5.54E-08
4730	481363.09, 3860877.25	4.17E-04	1.32E-07	5.59E-08	4.26E-04	1.34E-07	5.70E-08	4.25E-04	1.34E-07	5.69E-08
4731	481863.09, 3860877.25	4.30E-04	1.36E-07	5.76E-08	4.39E-04	1.39E-07	5.88E-08	4.38E-04	1.38E-07	5.87E-08
4732	482363.09, 3860877.25	4.47E-04	1.41E-07	5.99E-08	4.56E-04	1.44E-07	6.11E-08	4.56E-04	1.44E-07	6.10E-08
4733	482863.09, 3860877.25	4.66E-04	1.47E-07	6.24E-08	4.76E-04	1.50E-07	6.37E-08	4.75E-04	1.50E-07	6.36E-08
4734	483363.09, 3860877.25	4.93E-04	1.55E-07	6.60E-08	5.03E-04	1.59E-07	6.73E-08	5.02E-04	1.58E-07	6.72E-08
4735	483863.09, 3860877.25	5.28E-04	1.67E-07	7.07E-08	5.39E-04	1.70E-07	7.22E-08	5.38E-04	1.70E-07	7.21E-08
4736	484363.09, 3860877.25	5.71E-04	1.80E-07	7.65E-08	5.83E-04	1.84E-07	7.81E-08	5.82E-04	1.84E-07	7.80E-08
4737	484863.09, 3860877.25	6.13E-04	1.94E-07	8.21E-08	6.26E-04	1.97E-07	8.38E-08	6.25E-04	1.97E-07	8.37E-08
4738	485363.09, 3860877.25	6.72E-04	2.12E-07	9.00E-08	6.86E-04	2.16E-07	9.18E-08	6.85E-04	2.16E-07	9.17E-08
4739	485863.09, 3860877.25	7.43E-04	2.34E-07	9.95E-08	7.58E-04	2.39E-07	1.02E-07	7.57E-04	2.39E-07	1.01E-07
4740	486363.09, 3860877.25	8.17E-04	2.58E-07	1.09E-07	8.33E-04	2.63E-07	1.12E-07	8.33E-04	2.63E-07	1.11E-07
4741	486863.09, 3860877.25	9.20E-04	2.90E-07	1.23E-07	9.38E-04	2.96E-07	1.26E-07	9.37E-04	2.96E-07	1.26E-07
4742	487363.09, 3860877.25	1.06E-03	3.34E-07	1.42E-07	1.08E-03	3.41E-07	1.45E-07	1.08E-03	3.40E-07	1.44E-07
4743	487863.09, 3860877.25	1.24E-03	3.90E-07	1.66E-07	1.26E-03	3.98E-07	1.69E-07	1.26E-03	3.98E-07	1.69E-07
4744	488363.09, 3860877.25	1.51E-03	4.76E-07	2.02E-07	1.54E-03	4.86E-07	2.06E-07	1.54E-03	4.86E-07	2.06E-07
4745	488863.09, 3860877.25	1.75E-03	5.53E-07	2.35E-07	1.79E-03	5.64E-07	2.39E-07	1.79E-03	5.64E-07	2.39E-07
4746	489363.09, 3860877.25	2.11E-03	6.66E-07	2.83E-07	2.15E-03	6.80E-07	2.88E-07	2.15E-03	6.79E-07	2.88E-07
4747	489863.09, 3860877.25	2.40E-03	7.58E-07	3.22E-07	2.45E-03	7.74E-07	3.28E-07	2.45E-03	7.73E-07	3.28E-07
4748	490363.09, 3860877.25	2.90E-03	9.16E-07	3.89E-07	2.96E-03	9.35E-07	3.97E-07	2.96E-03	9.34E-07	3.96E-07
4749	490863.09, 3860877.25	3.56E-03	1.12E-06	4.77E-07	3.63E-03	1.15E-06	4.86E-07	3.63E-03	1.15E-06	4.86E-07
4750	491363.09, 3860877.25	4.28E-03	1.35E-06	5.73E-07	4.36E-03	1.38E-06	5.84E-07	4.36E-03	1.38E-06	5.84E-07
4751	491863.09, 3860877.25	4.65E-03	1.47E-06	6.22E-07	4.74E-03	1.50E-06	6.35E-07	4.74E-03	1.49E-06	6.34E-07
4752	492363.09, 3860877.25	4.50E-03	1.42E-06	6.03E-07	4.59E-03	1.45E-06	6.15E-07	4.59E-03	1.45E-06	6.14E-07
4753	492863.09, 3860877.25	4.37E-03	1.38E-06	5.85E-07	4.46E-03	1.41E-06	5.97E-07	4.45E-03	1.40E-06	5.96E-07
4754	493363.09, 3860877.25	3.88E-03	1.22E-06	5.20E-07	3.96E-03	1.25E-06	5.30E-07	3.96E-03	1.25E-06	5.30E-07
4755	493863.09, 3860877.25	3.29E-03	1.04E-06	4.41E-07	3.36E-03	1.06E-06	4.50E-07	3.35E-03	1.06E-06	4.49E-07
4756	494363.09, 3860877.25	2.84E-03	8.96E-07	3.80E-07	2.90E-03	9.14E-07	3.88E-07	2.89E-03	9.13E-07	3.87E-07

4757	494863.09, 3860877.25	2.49E-03	7.86E-07	3.34E-07	2.54E-03	8.02E-07	3.40E-07	2.54E-03	8.01E-07	3.40E-07
4758	495363.09, 3860877.25	2.22E-03	6.99E-07	2.97E-07	2.26E-03	7.14E-07	3.03E-07	2.26E-03	7.13E-07	3.02E-07
4759	495863.09, 3860877.25	1.98E-03	6.24E-07	2.65E-07	2.02E-03	6.37E-07	2.70E-07	2.02E-03	6.36E-07	2.70E-07
4760	496363.09, 3860877.25	1.79E-03	5.66E-07	2.40E-07	1.83E-03	5.78E-07	2.45E-07	1.83E-03	5.77E-07	2.45E-07
4761	496863.09, 3860877.25	1.52E-03	4.79E-07	2.03E-07	1.55E-03	4.89E-07	2.08E-07	1.55E-03	4.89E-07	2.07E-07
4762	497363.09, 3860877.25	1.40E-03	4.43E-07	1.88E-07	1.43E-03	4.52E-07	1.92E-07	1.43E-03	4.51E-07	1.91E-07
4763	497863.09, 3860877.25	1.27E-03	4.01E-07	1.70E-07	1.30E-03	4.09E-07	1.74E-07	1.29E-03	4.08E-07	1.73E-07
4764	498363.09, 3860877.25	1.25E-03	3.93E-07	1.67E-07	1.27E-03	4.01E-07	1.70E-07	1.27E-03	4.01E-07	1.70E-07
4765	471363.09, 3861377.25	2.52E-04	7.96E-08	3.38E-08	2.57E-04	8.12E-08	3.45E-08	2.57E-04	8.11E-08	3.44E-08
4766	471863.09, 3861377.25	2.59E-04	8.18E-08	3.47E-08	2.65E-04	8.35E-08	3.54E-08	2.64E-04	8.34E-08	3.54E-08
4767	472363.09, 3861377.25	2.66E-04	8.40E-08	3.56E-08	2.72E-04	8.57E-08	3.64E-08	2.71E-04	8.56E-08	3.63E-08
4768	472863.09, 3861377.25	2.73E-04	8.63E-08	3.66E-08	2.79E-04	8.81E-08	3.74E-08	2.79E-04	8.80E-08	3.73E-08
4769	473363.09, 3861377.25	2.80E-04	8.84E-08	3.75E-08	2.86E-04	9.02E-08	3.83E-08	2.86E-04	9.01E-08	3.82E-08
4770	473863.09, 3861377.25	2.87E-04	9.05E-08	3.84E-08	2.93E-04	9.23E-08	3.92E-08	2.92E-04	9.22E-08	3.91E-08
4771	474363.09, 3861377.25	2.94E-04	9.28E-08	3.94E-08	3.00E-04	9.47E-08	4.02E-08	3.00E-04	9.46E-08	4.01E-08
4772	474863.09, 3861377.25	2.99E-04	9.45E-08	4.01E-08	3.05E-04	9.64E-08	4.09E-08	3.05E-04	9.63E-08	4.09E-08
4773	475363.09, 3861377.25	3.07E-04	9.68E-08	4.11E-08	3.13E-04	9.88E-08	4.19E-08	3.13E-04	9.87E-08	4.19E-08
4774	475863.09, 3861377.25	3.09E-04	9.76E-08	4.14E-08	3.15E-04	9.95E-08	4.22E-08	3.15E-04	9.94E-08	4.22E-08
4775	476363.09, 3861377.25	3.07E-04	9.68E-08	4.11E-08	3.13E-04	9.88E-08	4.19E-08	3.13E-04	9.87E-08	4.19E-08
4776	476863.09, 3861377.25	3.04E-04	9.59E-08	4.07E-08	3.10E-04	9.78E-08	4.15E-08	3.10E-04	9.77E-08	4.15E-08
4777	477363.09, 3861377.25	3.03E-04	9.55E-08	4.05E-08	3.09E-04	9.75E-08	4.14E-08	3.08E-04	9.73E-08	4.13E-08
4778	477863.09, 3861377.25	2.69E-04	8.50E-08	3.61E-08	2.75E-04	8.67E-08	3.68E-08	2.74E-04	8.66E-08	3.68E-08
4779	478363.09, 3861377.25	1.88E-04	5.93E-08	2.52E-08	1.92E-04	6.05E-08	2.57E-08	1.92E-04	6.05E-08	2.57E-08
4780	478863.09, 3861377.25	2.16E-04	6.82E-08	2.89E-08	2.20E-04	6.96E-08	2.95E-08	2.20E-04	6.95E-08	2.95E-08
4781	479363.09, 3861377.25	3.11E-04	9.82E-08	4.17E-08	3.18E-04	1.00E-07	4.25E-08	3.17E-04	1.00E-07	4.25E-08
4782	479863.09, 3861377.25	3.51E-04	1.11E-07	4.70E-08	3.58E-04	1.13E-07	4.80E-08	3.58E-04	1.13E-07	4.79E-08
4783	480363.09, 3861377.25	3.76E-04	1.19E-07	5.03E-08	3.84E-04	1.21E-07	5.14E-08	3.83E-04	1.21E-07	5.13E-08
4784	480863.09, 3861377.25	3.87E-04	1.22E-07	5.19E-08	3.95E-04	1.25E-07	5.29E-08	3.95E-04	1.25E-07	5.29E-08
4785	481363.09, 3861377.25	3.99E-04	1.26E-07	5.35E-08	4.07E-04	1.29E-07	5.46E-08	4.07E-04	1.28E-07	5.45E-08
4786	481863.09, 3861377.25	4.14E-04	1.31E-07	5.54E-08	4.22E-04	1.33E-07	5.66E-08	4.22E-04	1.33E-07	5.65E-08
4787	482363.09, 3861377.25	4.31E-04	1.36E-07	5.76E-08	4.39E-04	1.39E-07	5.88E-08	4.39E-04	1.38E-07	5.88E-08
4788	482863.09, 3861377.25	4.49E-04	1.42E-07	6.01E-08	4.58E-04	1.45E-07	6.14E-08	4.58E-04	1.44E-07	6.13E-08
4789	483363.09, 3861377.25	4.74E-04	1.50E-07	6.35E-08	4.84E-04	1.53E-07	6.48E-08	4.83E-04	1.53E-07	6.47E-08
4790	483863.09, 3861377.25	5.10E-04	1.61E-07	6.83E-08	5.20E-04	1.64E-07	6.97E-08	5.20E-04	1.64E-07	6.96E-08
4791	484363.09, 3861377.25	5.49E-04	1.73E-07	7.36E-08	5.60E-04	1.77E-07	7.51E-08	5.60E-04	1.77E-07	7.50E-08
4792	484863.09, 3861377.25	5.87E-04	1.85E-07	7.86E-08	5.99E-04	1.89E-07	8.02E-08	5.99E-04	1.89E-07	8.02E-08
4793	485363.09, 3861377.25	6.22E-04	1.96E-07	8.33E-08	6.35E-04	2.00E-07	8.50E-08	6.34E-04	2.00E-07	8.49E-08
4794	485863.09, 3861377.25	6.75E-04	2.13E-07	9.04E-08	6.89E-04	2.17E-07	9.22E-08	6.88E-04	2.17E-07	9.21E-08
4795	486363.09, 3861377.25	7.36E-04	2.32E-07	9.85E-08	7.51E-04	2.37E-07	1.01E-07	7.50E-04	2.37E-07	1.00E-07
4796	486863.09, 3861377.25	8.17E-04	2.58E-07	1.09E-07	8.33E-04	2.63E-07	1.12E-07	8.33E-04	2.63E-07	1.11E-07
4797	487363.09, 3861377.25	9.18E-04	2.90E-07	1.23E-07	9.37E-04	2.96E-07	1.25E-07	9.36E-04	2.95E-07	1.25E-07
4798	487863.09, 3861377.25	1.04E-03	3.28E-07	1.39E-07	1.06E-03	3.34E-07	1.42E-07	1.06E-03	3.34E-07	1.42E-07
4799	488363.09, 3861377.25	1.16E-03	3.67E-07	1.56E-07	1.19E-03	3.75E-07	1.59E-07	1.19E-03	3.74E-07	1.59E-07
4800	488863.09, 3861377.25	1.33E-03	4.19E-07	1.78E-07	1.35E-03	4.27E-07	1.81E-07	1.35E-03	4.27E-07	1.81E-07
4801	489363.09, 3861377.25	1.47E-03	4.64E-07	1.97E-07	1.50E-03	4.73E-07	2.01E-07	1.50E-03	4.72E-07	2.00E-07
4802	489863.09, 3861377.25	1.64E-03	5.17E-07	2.19E-07	1.67E-03	5.27E-07	2.24E-07	1.67E-03	5.27E-07	2.23E-07
4803	490363.09, 3861377.25	1.77E-03	5.59E-07	2.37E-07	1.81E-03	5.70E-07	2.42E-07	1.80E-03	5.70E-07	2.42E-07
4804	490863.09, 3861377.25	1.94E-03	6.13E-07	2.60E-07	1.98E-03	6.25E-07	2.65E-07	1.98E-03	6.24E-07	2.65E-07
4805	491363.09, 3861377.25	2.04E-03	6.44E-07	2.73E-07	2.08E-03	6.57E-07	2.79E-07	2.08E-03	6.56E-07	2.79E-07
4806	491863.09, 3861377.25	2.01E-03	6.34E-07	2.69E-07	2.05E-03	6.47E-07	2.75E-07	2.05E-03	6.46E-07	2.74E-07
4807	492363.09, 3861377.25	2.03E-03	6.41E-07	2.72E-07	2.07E-03	6.54E-07	2.77E-07	2.07E-03	6.53E-07	2.77E-07
4808	492863.09, 3861377.25	1.96E-03	6.18E-07	2.62E-07	2.00E-03	6.31E-07	2.68E-07	2.00E-03	6.30E-07	2.67E-07
4809	493363.09, 3861377.25	2.02E-03	6.38E-07	2.71E-07	2.06E-03	6.51E-07	2.76E-07	2.06E-03	6.50E-07	2.76E-07
4810	493863.09, 3861377.25	1.97E-03	6.23E-07	2.64E-07	2.01E-03	6.36E-07	2.70E-07	2.01E-03	6.35E-07	2.69E-07
4811	494363.09, 3861377.25	1.84E-03	5.81E-07	2.46E-07	1.88E-03	5.93E-07	2.51E-07	1.88E-03	5.92E-07	2.51E-07
4812	494863.09, 3861377.25	1.72E-03	5.43E-07	2.30E-07	1.75E-03	5.54E-07	2.35E-07	1.75E-03	5.53E-07	2.35E-07
4813	495363.09, 3861377.25	1.60E-03	5.06E-07	2.15E-07	1.64E-03	5.16E-07	2.19E-07	1.63E-03	5.16E-07	2.19E-07
4814	495863.09, 3861377.25	1.49E-03	4.70E-07	1.99E-07	1.52E-03	4.79E-07	2.03E-07	1.52E-03	4.79E-07	2.03E-07
4815	496363.09, 3861377.25	1.41E-03	4.46E-07	1.89E-07	1.44E-03	4.56E-07	1.93E-07	1.44E-03	4.55E-07	1.93E-07
4816	496863.09, 3861377.25	1.35E-03	4.26E-07	1.81E-07	1.38E-03	4.35E-07	1.84E-07	1.38E-03	4.34E-07	1.84E-07
4817	497363.09, 3861377.25	1.27E-03	4.00E-07	1.70E-07	1.29E-03	4.09E-07	1.73E-07	1.29E-03	4.08E-07	1.73E-07
4818	497863.09, 3861377.25	1.19E-03	3.77E-07	1.60E-07	1.22E-03	3.85E-07	1.63E-07	1.22E-03	3.84E-07	1.63E-07
4819	498363.09, 3861377.25	1.13E-03	3.57E-07	1.52E-07	1.16E-03	3.65E-07	1.55E-07	1.15E-03	3.64E-07	1.55E-07
4820	471363.09, 3861877.25	2.43E-04	7.68E-08	3.26E-08	2.48E-04	7.84E-08	3.33E-08	2.48E-04	7.83E-08	3.32E-08
4821	471863.09, 3861877.25	2.49E-04	7.87E-08	3.34E-08	2.54E-04	8.03E-08	3.41E-08	2.54E-04	8.02E-08	3.40E-08
4822	472363.09, 3861877.25	2.55E-04	8.06E-08	3.42E-08	2.61E-04	8.23E-08	3.49E-08	2.60E-04	8.22E-08	3.49E-08
4823	472863.09, 3861877.25	2.62E-04	8.28E-08	3.51E-08	2.68E-04	8.45E-08	3.58E-08	2.67E-04	8.44E-08	3.58E-08
4824	473363.09, 3861877.25	2.69E-04	8.48E-08	3.60E-08	2.74E-04	8.65E-08	3.67E-08	2.74E-04	8.64E-08	3.67E-08
4825	473863.09, 3861877.25	2.75E-04	8.68E-08	3.68E-08	2.81E-04	8.85E-08	3.76E-08	2.80E-04	8.84E-08	3.75E-08
4826	474363.09, 3861877.25	2.81E-04	8.88E-08	3.77E-08	2.87E-04	9.06E-08	3.85E-08	2.87E-04	9.05E-08	3.84E-08

4827	474863.09, 3861877.25	2.87E-04	9.06E-08	3.84E-08	2.93E-04	9.24E-08	3.92E-08	2.93E-04	9.23E-08	3.92E-08
4828	475363.09, 3861877.25	2.92E-04	9.23E-08	3.91E-08	2.98E-04	9.41E-08	3.99E-08	2.98E-04	9.40E-08	3.99E-08
4829	475863.09, 3861877.25	2.97E-04	9.38E-08	3.98E-08	3.03E-04	9.58E-08	4.06E-08	3.03E-04	9.56E-08	4.06E-08
4830	476363.09, 3861877.25	3.01E-04	9.51E-08	4.04E-08	3.08E-04	9.71E-08	4.12E-08	3.07E-04	9.70E-08	4.11E-08
4831	476863.09, 3861877.25	3.03E-04	9.56E-08	4.06E-08	3.09E-04	9.76E-08	4.14E-08	3.09E-04	9.74E-08	4.13E-08
4832	477363.09, 3861877.25	3.02E-04	9.52E-08	4.04E-08	3.08E-04	9.72E-08	4.12E-08	3.08E-04	9.71E-08	4.12E-08
4833	477863.09, 3861877.25	2.61E-04	8.23E-08	3.49E-08	2.66E-04	8.40E-08	3.56E-08	2.66E-04	8.39E-08	3.56E-08
4834	478363.09, 3861877.25	1.59E-04	5.02E-08	2.13E-08	1.62E-04	5.12E-08	2.17E-08	1.62E-04	5.12E-08	2.17E-08
4835	478863.09, 3861877.25	2.27E-04	7.15E-08	3.03E-08	2.31E-04	7.30E-08	3.10E-08	2.31E-04	7.29E-08	3.09E-08
4836	479363.09, 3861877.25	2.10E-04	6.63E-08	2.81E-08	2.14E-04	6.77E-08	2.87E-08	2.14E-04	6.76E-08	2.87E-08
4837	479863.09, 3861877.25	3.32E-04	1.05E-07	4.45E-08	3.39E-04	1.07E-07	4.54E-08	3.39E-04	1.07E-07	4.54E-08
4838	480363.09, 3861877.25	3.59E-04	1.13E-07	4.81E-08	3.67E-04	1.16E-07	4.91E-08	3.66E-04	1.16E-07	4.91E-08
4839	480863.09, 3861877.25	3.70E-04	1.17E-07	4.95E-08	3.77E-04	1.19E-07	5.05E-08	3.77E-04	1.19E-07	5.05E-08
4840	481363.09, 3861877.25	3.81E-04	1.20E-07	5.10E-08	3.88E-04	1.23E-07	5.20E-08	3.88E-04	1.22E-07	5.20E-08
4841	481863.09, 3861877.25	3.94E-04	1.24E-07	5.28E-08	4.02E-04	1.27E-07	5.39E-08	4.02E-04	1.27E-07	5.38E-08
4842	482363.09, 3861877.25	4.10E-04	1.30E-07	5.50E-08	4.19E-04	1.32E-07	5.61E-08	4.18E-04	1.32E-07	5.60E-08
4843	482863.09, 3861877.25	4.31E-04	1.36E-07	5.77E-08	4.40E-04	1.39E-07	5.89E-08	4.39E-04	1.39E-07	5.88E-08
4844	483363.09, 3861877.25	4.56E-04	1.44E-07	6.10E-08	4.65E-04	1.47E-07	6.22E-08	4.64E-04	1.47E-07	6.22E-08
4845	483863.09, 3861877.25	4.84E-04	1.53E-07	6.48E-08	4.93E-04	1.56E-07	6.61E-08	4.93E-04	1.56E-07	6.60E-08
4846	484363.09, 3861877.25	5.12E-04	1.62E-07	6.85E-08	5.22E-04	1.65E-07	6.99E-08	5.22E-04	1.65E-07	6.99E-08
4847	484863.09, 3861877.25	5.44E-04	1.72E-07	7.28E-08	5.55E-04	1.75E-07	7.43E-08	5.54E-04	1.75E-07	7.42E-08
4848	485363.09, 3861877.25	5.78E-04	1.82E-07	7.74E-08	5.90E-04	1.86E-07	7.90E-08	5.89E-04	1.86E-07	7.89E-08
4849	485863.09, 3861877.25	6.12E-04	1.93E-07	8.19E-08	6.24E-04	1.97E-07	8.36E-08	6.23E-04	1.97E-07	8.35E-08
4850	486363.09, 3861877.25	6.61E-04	2.09E-07	8.85E-08	6.75E-04	2.13E-07	9.04E-08	6.74E-04	2.13E-07	9.02E-08
4851	486863.09, 3861877.25	7.23E-04	2.28E-07	9.69E-08	7.38E-04	2.33E-07	9.88E-08	7.37E-04	2.33E-07	9.87E-08
4852	487363.09, 3861877.25	7.98E-04	2.52E-07	1.07E-07	8.15E-04	2.57E-07	1.09E-07	8.14E-04	2.57E-07	1.09E-07
4853	487863.09, 3861877.25	8.74E-04	2.76E-07	1.17E-07	8.92E-04	2.81E-07	1.19E-07	8.91E-04	2.81E-07	1.19E-07
4854	488363.09, 3861877.25	9.54E-04	3.01E-07	1.28E-07	9.73E-04	3.07E-07	1.30E-07	9.72E-04	3.07E-07	1.30E-07
4855	488863.09, 3861877.25	1.03E-03	3.26E-07	1.38E-07	1.05E-03	3.33E-07	1.41E-07	1.05E-03	3.32E-07	1.41E-07
4856	489363.09, 3861877.25	1.09E-03	3.44E-07	1.46E-07	1.11E-03	3.51E-07	1.49E-07	1.11E-03	3.51E-07	1.49E-07
4857	489863.09, 3861877.25	1.17E-03	3.68E-07	1.56E-07	1.19E-03	3.76E-07	1.59E-07	1.19E-03	3.75E-07	1.59E-07
4858	490363.09, 3861877.25	1.22E-03	3.85E-07	1.64E-07	1.25E-03	3.93E-07	1.67E-07	1.24E-03	3.93E-07	1.67E-07
4859	490863.09, 3861877.25	1.27E-03	4.00E-07	1.70E-07	1.29E-03	4.08E-07	1.73E-07	1.29E-03	4.07E-07	1.73E-07
4860	491363.09, 3861877.25	1.28E-03	4.03E-07	1.71E-07	1.30E-03	4.11E-07	1.75E-07	1.30E-03	4.11E-07	1.74E-07
4861	491863.09, 3861877.25	1.28E-03	4.03E-07	1.71E-07	1.30E-03	4.11E-07	1.75E-07	1.30E-03	4.11E-07	1.74E-07
4862	492363.09, 3861877.25	1.26E-03	3.99E-07	1.69E-07	1.29E-03	4.07E-07	1.73E-07	1.29E-03	4.07E-07	1.73E-07
4863	492863.09, 3861877.25	1.27E-03	4.01E-07	1.70E-07	1.30E-03	4.09E-07	1.74E-07	1.30E-03	4.09E-07	1.73E-07
4864	493363.09, 3861877.25	1.23E-03	3.88E-07	1.65E-07	1.26E-03	3.96E-07	1.68E-07	1.25E-03	3.96E-07	1.68E-07
4865	493863.09, 3861877.25	1.21E-03	3.82E-07	1.62E-07	1.23E-03	3.90E-07	1.65E-07	1.23E-03	3.89E-07	1.65E-07
4866	494363.09, 3861877.25	1.25E-03	3.96E-07	1.68E-07	1.28E-03	4.04E-07	1.71E-07	1.28E-03	4.03E-07	1.71E-07
4867	494863.09, 3861877.25	1.24E-03	3.91E-07	1.66E-07	1.27E-03	3.99E-07	1.69E-07	1.26E-03	3.99E-07	1.69E-07
4868	495363.09, 3861877.25	1.18E-03	3.73E-07	1.58E-07	1.21E-03	3.80E-07	1.61E-07	1.20E-03	3.80E-07	1.61E-07
4869	495863.09, 3861877.25	1.12E-03	3.55E-07	1.50E-07	1.15E-03	3.62E-07	1.53E-07	1.14E-03	3.61E-07	1.53E-07
4870	496363.09, 3861877.25	1.08E-03	3.40E-07	1.44E-07	1.10E-03	3.47E-07	1.47E-07	1.10E-03	3.47E-07	1.47E-07
4871	496863.09, 3861877.25	1.08E-03	3.40E-07	1.44E-07	1.10E-03	3.47E-07	1.47E-07	1.10E-03	3.46E-07	1.47E-07
4872	497363.09, 3861877.25	1.01E-03	3.20E-07	1.36E-07	1.03E-03	3.26E-07	1.38E-07	1.03E-03	3.26E-07	1.38E-07
4873	497863.09, 3861877.25	9.63E-04	3.04E-07	1.29E-07	9.83E-04	3.10E-07	1.32E-07	9.81E-04	3.10E-07	1.31E-07
4874	498363.09, 3861877.25	9.24E-04	2.92E-07	1.24E-07	9.43E-04	2.98E-07	1.26E-07	9.42E-04	2.97E-07	1.26E-07
4875	471363.09, 3862377.25	2.33E-04	7.35E-08	3.12E-08	2.38E-04	7.50E-08	3.18E-08	2.37E-04	7.49E-08	3.18E-08
4876	471863.09, 3862377.25	2.38E-04	7.51E-08	3.19E-08	2.43E-04	7.67E-08	3.25E-08	2.43E-04	7.66E-08	3.25E-08
4877	472363.09, 3862377.25	2.44E-04	7.70E-08	3.27E-08	2.49E-04	7.86E-08	3.33E-08	2.49E-04	7.85E-08	3.33E-08
4878	472863.09, 3862377.25	2.50E-04	7.89E-08	3.35E-08	2.55E-04	8.05E-08	3.41E-08	2.55E-04	8.04E-08	3.41E-08
4879	473363.09, 3862377.25	2.56E-04	8.08E-08	3.43E-08	2.61E-04	8.25E-08	3.50E-08	2.61E-04	8.24E-08	3.49E-08
4880	473863.09, 3862377.25	2.62E-04	8.28E-08	3.51E-08	2.68E-04	8.45E-08	3.58E-08	2.67E-04	8.44E-08	3.58E-08
4881	474363.09, 3862377.25	2.68E-04	8.46E-08	3.59E-08	2.74E-04	8.64E-08	3.66E-08	2.73E-04	8.63E-08	3.66E-08
4882	474863.09, 3862377.25	2.72E-04	8.58E-08	3.64E-08	2.78E-04	8.76E-08	3.72E-08	2.77E-04	8.75E-08	3.71E-08
4883	475363.09, 3862377.25	2.77E-04	8.73E-08	3.71E-08	2.82E-04	8.91E-08	3.78E-08	2.82E-04	8.90E-08	3.78E-08
4884	475863.09, 3862377.25	2.81E-04	8.87E-08	3.76E-08	2.87E-04	9.05E-08	3.84E-08	2.87E-04	9.04E-08	3.84E-08
4885	476363.09, 3862377.25	2.86E-04	9.02E-08	3.83E-08	2.92E-04	9.21E-08	3.91E-08	2.91E-04	9.19E-08	3.90E-08
4886	476863.09, 3862377.25	2.91E-04	9.19E-08	3.90E-08	2.97E-04	9.38E-08	3.98E-08	2.97E-04	9.37E-08	3.97E-08
4887	477363.09, 3862377.25	2.93E-04	9.23E-08	3.92E-08	2.99E-04	9.42E-08	4.00E-08	2.98E-04	9.41E-08	3.99E-08
4888	477863.09, 3862377.25	2.67E-04	8.42E-08	3.57E-08	2.72E-04	8.59E-08	3.64E-08	2.72E-04	8.58E-08	3.64E-08
4889	478363.09, 3862377.25	2.31E-04	7.30E-08	3.10E-08	2.36E-04	7.45E-08	3.16E-08	2.36E-04	7.44E-08	3.16E-08
4890	478863.09, 3862377.25	2.37E-04	7.50E-08	3.18E-08	2.42E-04	7.65E-08	3.25E-08	2.42E-04	7.64E-08	3.24E-08
4891	479363.09, 3862377.25	2.63E-04	8.30E-08	3.52E-08	2.68E-04	8.47E-08	3.59E-08	2.68E-04	8.46E-08	3.59E-08
4892	479863.09, 3862377.25	3.25E-04	1.03E-07	4.35E-08	3.32E-04	1.05E-07	4.44E-08	3.31E-04	1.05E-07	4.44E-08
4893	480363.09, 3862377.25	3.44E-04	1.09E-07	4.60E-08	3.51E-04	1.11E-07	4.70E-08	3.50E-04	1.11E-07	4.69E-08
4894	480863.09, 3862377.25	3.53E-04	1.11E-07	4.73E-08	3.60E-04	1.14E-07	4.82E-08	3.60E-04	1.14E-07	4.82E-08
4895	481363.09, 3862377.25	3.65E-04	1.15E-07	4.89E-08	3.73E-04	1.18E-07	4.99E-08	3.72E-04	1.17E-07	4.98E-08
4896	481863.09, 3862377.25	3.80E-04	1.20E-07	5.09E-08	3.88E-04	1.22E-07	5.19E-08	3.87E-04	1.22E-07	5.18E-08

4897	482363.09, 3862377.25	3.96E-04	1.25E-07	5.30E-08	4.04E-04	1.28E-07	5.41E-08	4.04E-04	1.27E-07	5.41E-08
4898	482863.09, 3862377.25	4.13E-04	1.30E-07	5.52E-08	4.21E-04	1.33E-07	5.64E-08	4.20E-04	1.33E-07	5.63E-08
4899	483363.09, 3862377.25	4.30E-04	1.36E-07	5.76E-08	4.39E-04	1.39E-07	5.88E-08	4.38E-04	1.38E-07	5.87E-08
4900	483863.09, 3862377.25	4.51E-04	1.42E-07	6.04E-08	4.60E-04	1.45E-07	6.16E-08	4.59E-04	1.45E-07	6.15E-08
4901	484363.09, 3862377.25	4.76E-04	1.50E-07	6.37E-08	4.86E-04	1.53E-07	6.50E-08	4.85E-04	1.53E-07	6.50E-08
4902	484863.09, 3862377.25	5.01E-04	1.58E-07	6.71E-08	5.11E-04	1.61E-07	6.84E-08	5.11E-04	1.61E-07	6.84E-08
4903	485363.09, 3862377.25	5.25E-04	1.66E-07	7.03E-08	5.36E-04	1.69E-07	7.18E-08	5.35E-04	1.69E-07	7.17E-08
4904	485863.09, 3862377.25	5.56E-04	1.75E-07	7.45E-08	5.67E-04	1.79E-07	7.60E-08	5.67E-04	1.79E-07	7.59E-08
4905	486363.09, 3862377.25	5.91E-04	1.86E-07	7.91E-08	6.03E-04	1.90E-07	8.07E-08	6.02E-04	1.90E-07	8.06E-08
4906	486863.09, 3862377.25	6.35E-04	2.01E-07	8.51E-08	6.48E-04	2.05E-07	8.68E-08	6.48E-04	2.04E-07	8.67E-08
4907	487363.09, 3862377.25	6.86E-04	2.17E-07	9.19E-08	7.00E-04	2.21E-07	9.38E-08	6.99E-04	2.21E-07	9.37E-08
4908	487863.09, 3862377.25	7.36E-04	2.32E-07	9.86E-08	7.51E-04	2.37E-07	1.01E-07	7.50E-04	2.37E-07	1.00E-07
4909	488363.09, 3862377.25	7.83E-04	2.47E-07	1.05E-07	7.99E-04	2.52E-07	1.07E-07	7.98E-04	2.52E-07	1.07E-07
4910	488863.09, 3862377.25	8.31E-04	2.62E-07	1.11E-07	8.48E-04	2.68E-07	1.14E-07	8.47E-04	2.67E-07	1.13E-07
4911	489363.09, 3862377.25	8.77E-04	2.77E-07	1.17E-07	8.95E-04	2.82E-07	1.20E-07	8.94E-04	2.82E-07	1.20E-07
4912	489863.09, 3862377.25	9.21E-04	2.91E-07	1.23E-07	9.40E-04	2.97E-07	1.26E-07	9.39E-04	2.96E-07	1.26E-07
4913	490363.09, 3862377.25	9.54E-04	3.01E-07	1.28E-07	9.74E-04	3.07E-07	1.30E-07	9.72E-04	3.07E-07	1.30E-07
4914	490863.09, 3862377.25	9.53E-04	3.01E-07	1.28E-07	9.72E-04	3.07E-07	1.30E-07	9.71E-04	3.07E-07	1.30E-07
4915	491363.09, 3862377.25	9.43E-04	2.98E-07	1.26E-07	9.62E-04	3.04E-07	1.29E-07	9.61E-04	3.03E-07	1.29E-07
4916	491863.09, 3862377.25	9.23E-04	2.91E-07	1.24E-07	9.42E-04	2.97E-07	1.26E-07	9.41E-04	2.97E-07	1.26E-07
4917	492363.09, 3862377.25	9.32E-04	2.94E-07	1.25E-07	9.51E-04	3.00E-07	1.27E-07	9.50E-04	3.00E-07	1.27E-07
4918	492863.09, 3862377.25	9.46E-04	2.99E-07	1.27E-07	9.65E-04	3.05E-07	1.29E-07	9.64E-04	3.04E-07	1.29E-07
4919	493363.09, 3862377.25	9.39E-04	2.96E-07	1.26E-07	9.58E-04	3.02E-07	1.28E-07	9.57E-04	3.02E-07	1.28E-07
4920	493863.09, 3862377.25	9.07E-04	2.86E-07	1.21E-07	9.25E-04	2.92E-07	1.24E-07	9.24E-04	2.92E-07	1.24E-07
4921	494363.09, 3862377.25	8.71E-04	2.75E-07	1.17E-07	8.89E-04	2.80E-07	1.19E-07	8.87E-04	2.80E-07	1.19E-07
4922	494863.09, 3862377.25	8.90E-04	2.81E-07	1.19E-07	9.08E-04	2.87E-07	1.22E-07	9.07E-04	2.86E-07	1.21E-07
4923	495363.09, 3862377.25	9.04E-04	2.85E-07	1.21E-07	9.23E-04	2.91E-07	1.24E-07	9.22E-04	2.91E-07	1.23E-07
4924	495863.09, 3862377.25	8.87E-04	2.80E-07	1.19E-07	9.05E-04	2.86E-07	1.21E-07	9.04E-04	2.85E-07	1.21E-07
4925	496363.09, 3862377.25	8.51E-04	2.69E-07	1.14E-07	8.69E-04	2.74E-07	1.16E-07	8.68E-04	2.74E-07	1.16E-07
4926	496863.09, 3862377.25	8.31E-04	2.62E-07	1.11E-07	8.48E-04	2.68E-07	1.14E-07	8.47E-04	2.67E-07	1.13E-07
4927	497363.09, 3862377.25	7.96E-04	2.51E-07	1.07E-07	8.12E-04	2.56E-07	1.09E-07	8.11E-04	2.56E-07	1.09E-07
4928	497863.09, 3862377.25	7.69E-04	2.43E-07	1.03E-07	7.85E-04	2.48E-07	1.05E-07	7.84E-04	2.47E-07	1.05E-07
4929	498363.09, 3862377.25	7.42E-04	2.34E-07	9.93E-08	7.57E-04	2.39E-07	1.01E-07	7.56E-04	2.39E-07	1.01E-07
4930	471363.09, 3862877.25	2.22E-04	7.01E-08	2.98E-08	2.27E-04	7.16E-08	3.04E-08	2.26E-04	7.15E-08	3.03E-08
4931	471863.09, 3862877.25	2.27E-04	7.16E-08	3.04E-08	2.32E-04	7.31E-08	3.10E-08	2.31E-04	7.30E-08	3.10E-08
4932	472363.09, 3862877.25	2.32E-04	7.33E-08	3.11E-08	2.37E-04	7.48E-08	3.17E-08	2.37E-04	7.47E-08	3.17E-08
4933	472863.09, 3862877.25	2.38E-04	7.51E-08	3.18E-08	2.43E-04	7.66E-08	3.25E-08	2.42E-04	7.65E-08	3.25E-08
4934	473363.09, 3862877.25	2.44E-04	7.70E-08	3.27E-08	2.49E-04	7.86E-08	3.33E-08	2.49E-04	7.85E-08	3.33E-08
4935	473863.09, 3862877.25	2.50E-04	7.88E-08	3.34E-08	2.55E-04	8.04E-08	3.41E-08	2.54E-04	8.03E-08	3.41E-08
4936	474363.09, 3862877.25	2.55E-04	8.04E-08	3.41E-08	2.60E-04	8.21E-08	3.48E-08	2.60E-04	8.20E-08	3.48E-08
4937	474863.09, 3862877.25	2.59E-04	8.17E-08	3.47E-08	2.64E-04	8.34E-08	3.54E-08	2.64E-04	8.33E-08	3.54E-08
4938	475363.09, 3862877.25	2.63E-04	8.31E-08	3.53E-08	2.69E-04	8.48E-08	3.60E-08	2.68E-04	8.47E-08	3.60E-08
4939	475863.09, 3862877.25	2.68E-04	8.45E-08	3.59E-08	2.73E-04	8.63E-08	3.66E-08	2.73E-04	8.62E-08	3.66E-08
4940	476363.09, 3862877.25	2.73E-04	8.61E-08	3.65E-08	2.78E-04	8.79E-08	3.73E-08	2.78E-04	8.78E-08	3.72E-08
4941	476863.09, 3862877.25	2.78E-04	8.79E-08	3.73E-08	2.84E-04	8.97E-08	3.81E-08	2.84E-04	8.96E-08	3.80E-08
4942	477363.09, 3862877.25	2.83E-04	8.93E-08	3.79E-08	2.89E-04	9.11E-08	3.87E-08	2.88E-04	9.10E-08	3.86E-08
4943	477863.09, 3862877.25	2.78E-04	8.79E-08	3.73E-08	2.84E-04	8.97E-08	3.81E-08	2.84E-04	8.96E-08	3.80E-08
4944	478363.09, 3862877.25	2.48E-04	7.84E-08	3.33E-08	2.53E-04	8.00E-08	3.39E-08	2.53E-04	7.99E-08	3.39E-08
4945	478863.09, 3862877.25	2.53E-04	8.00E-08	3.39E-08	2.59E-04	8.16E-08	3.46E-08	2.58E-04	8.15E-08	3.46E-08
4946	479363.09, 3862877.25	2.63E-04	8.31E-08	3.53E-08	2.69E-04	8.48E-08	3.60E-08	2.68E-04	8.47E-08	3.60E-08
4947	479863.09, 3862877.25	3.20E-04	1.01E-07	4.29E-08	3.27E-04	1.03E-07	4.37E-08	3.26E-04	1.03E-07	4.37E-08
4948	480363.09, 3862877.25	3.31E-04	1.04E-07	4.43E-08	3.38E-04	1.07E-07	4.52E-08	3.37E-04	1.06E-07	4.52E-08
4949	480863.09, 3862877.25	3.41E-04	1.08E-07	4.57E-08	3.48E-04	1.10E-07	4.66E-08	3.48E-04	1.10E-07	4.66E-08
4950	481363.09, 3862877.25	3.52E-04	1.11E-07	4.72E-08	3.60E-04	1.13E-07	4.82E-08	3.59E-04	1.13E-07	4.81E-08
4951	481863.09, 3862877.25	3.65E-04	1.15E-07	4.89E-08	3.72E-04	1.17E-07	4.98E-08	3.72E-04	1.17E-07	4.98E-08
4952	482363.09, 3862877.25	3.76E-04	1.19E-07	5.03E-08	3.84E-04	1.21E-07	5.14E-08	3.83E-04	1.21E-07	5.13E-08
4953	482863.09, 3862877.25	3.88E-04	1.23E-07	5.20E-08	3.96E-04	1.25E-07	5.31E-08	3.96E-04	1.25E-07	5.30E-08
4954	483363.09, 3862877.25	4.03E-04	1.27E-07	5.40E-08	4.11E-04	1.30E-07	5.51E-08	4.11E-04	1.30E-07	5.50E-08
4955	483863.09, 3862877.25	4.20E-04	1.33E-07	5.63E-08	4.29E-04	1.35E-07	5.74E-08	4.28E-04	1.35E-07	5.73E-08
4956	484363.09, 3862877.25	4.39E-04	1.39E-07	5.88E-08	4.48E-04	1.41E-07	6.00E-08	4.48E-04	1.41E-07	6.00E-08
4957	484863.09, 3862877.25	4.56E-04	1.44E-07	6.10E-08	4.65E-04	1.47E-07	6.22E-08	4.64E-04	1.47E-07	6.22E-08
4958	485363.09, 3862877.25	4.76E-04	1.50E-07	6.37E-08	4.85E-04	1.53E-07	6.50E-08	4.85E-04	1.53E-07	6.49E-08
4959	485863.09, 3862877.25	4.99E-04	1.57E-07	6.68E-08	5.09E-04	1.61E-07	6.82E-08	5.08E-04	1.60E-07	6.81E-08
4960	486363.09, 3862877.25	5.29E-04	1.67E-07	7.08E-08	5.40E-04	1.70E-07	7.23E-08	5.39E-04	1.70E-07	7.22E-08
4961	486863.09, 3862877.25	5.59E-04	1.76E-07	7.48E-08	5.70E-04	1.80E-07	7.63E-08	5.69E-04	1.80E-07	7.63E-08
4962	487363.09, 3862877.25	5.90E-04	1.86E-07	7.90E-08	6.02E-04	1.90E-07	8.06E-08	6.01E-04	1.90E-07	8.05E-08
4963	487863.09, 3862877.25	6.24E-04	1.97E-07	8.35E-08	6.36E-04	2.01E-07	8.52E-08	6.35E-04	2.01E-07	8.51E-08
4964	488363.09, 3862877.25	6.62E-04	2.09E-07	8.87E-08	6.76E-04	2.13E-07	9.05E-08	6.75E-04	2.13E-07	9.04E-08
4965	488863.09, 3862877.25	6.97E-04	2.20E-07	9.34E-08	7.11E-04	2.25E-07	9.53E-08	7.11E-04	2.24E-07	9.52E-08
4966	489363.09, 3862877.25	7.23E-04	2.28E-07	9.69E-08	7.38E-04	2.33E-07	9.88E-08	7.37E-04	2.33E-07	9.87E-08

4967	489863.09, 3862877.25	7.46E-04	2.35E-07	9.99E-08	7.61E-04	2.40E-07	1.02E-07	7.60E-04	2.40E-07	1.02E-07
4968	490363.09, 3862877.25	7.56E-04	2.39E-07	1.01E-07	7.72E-04	2.44E-07	1.03E-07	7.71E-04	2.43E-07	1.03E-07
4969	490863.09, 3862877.25	7.50E-04	2.37E-07	1.00E-07	7.66E-04	2.42E-07	1.03E-07	7.65E-04	2.41E-07	1.02E-07
4970	491363.09, 3862877.25	7.50E-04	2.37E-07	1.00E-07	7.65E-04	2.41E-07	1.02E-07	7.64E-04	2.41E-07	1.02E-07
4971	491863.09, 3862877.25	7.29E-04	2.30E-07	9.76E-08	7.44E-04	2.35E-07	9.96E-08	7.43E-04	2.34E-07	9.95E-08
4972	492363.09, 3862877.25	7.35E-04	2.32E-07	9.84E-08	7.50E-04	2.37E-07	1.00E-07	7.49E-04	2.36E-07	1.00E-07
4973	492863.09, 3862877.25	7.33E-04	2.31E-07	9.81E-08	7.47E-04	2.36E-07	1.00E-07	7.47E-04	2.36E-07	1.00E-07
4974	493363.09, 3862877.25	7.48E-04	2.36E-07	1.00E-07	7.63E-04	2.41E-07	1.02E-07	7.62E-04	2.41E-07	1.02E-07
4975	493863.09, 3862877.25	7.45E-04	2.35E-07	9.98E-08	7.61E-04	2.40E-07	1.02E-07	7.60E-04	2.40E-07	1.02E-07
4976	494363.09, 3862877.25	7.22E-04	2.28E-07	9.67E-08	7.37E-04	2.33E-07	9.86E-08	7.36E-04	2.32E-07	9.85E-08
4977	494863.09, 3862877.25	6.83E-04	2.15E-07	9.14E-08	6.97E-04	2.20E-07	9.33E-08	6.96E-04	2.20E-07	9.32E-08
4978	495363.09, 3862877.25	6.75E-04	2.13E-07	9.04E-08	6.89E-04	2.18E-07	9.23E-08	6.88E-04	2.17E-07	9.22E-08
4979	495863.09, 3862877.25	6.95E-04	2.19E-07	9.30E-08	7.09E-04	2.24E-07	9.49E-08	7.08E-04	2.24E-07	9.48E-08
4980	496363.09, 3862877.25	7.05E-04	2.23E-07	9.44E-08	7.20E-04	2.27E-07	9.64E-08	7.19E-04	2.27E-07	9.62E-08
4981	496863.09, 3862877.25	6.91E-04	2.18E-07	9.26E-08	7.05E-04	2.23E-07	9.45E-08	7.05E-04	2.22E-07	9.43E-08
4982	497363.09, 3862877.25	6.66E-04	2.10E-07	8.91E-08	6.79E-04	2.14E-07	9.10E-08	6.78E-04	2.14E-07	9.09E-08
4983	497863.09, 3862877.25	6.44E-04	2.03E-07	8.62E-08	6.57E-04	2.07E-07	8.80E-08	6.56E-04	2.07E-07	8.79E-08
4984	498363.09, 3862877.25	6.28E-04	1.98E-07	8.41E-08	6.41E-04	2.02E-07	8.58E-08	6.40E-04	2.02E-07	8.57E-08
4985	471363.09, 3863377.25	2.12E-04	6.70E-08	2.84E-08	2.16E-04	6.83E-08	2.90E-08	2.16E-04	6.82E-08	2.90E-08
4986	471863.09, 3863377.25	2.17E-04	6.84E-08	2.90E-08	2.21E-04	6.98E-08	2.96E-08	2.21E-04	6.98E-08	2.96E-08
4987	472363.09, 3863377.25	2.22E-04	7.01E-08	2.98E-08	2.27E-04	7.16E-08	3.04E-08	2.26E-04	7.15E-08	3.03E-08
4988	472863.09, 3863377.25	2.28E-04	7.19E-08	3.05E-08	2.32E-04	7.34E-08	3.11E-08	2.32E-04	7.33E-08	3.11E-08
4989	473363.09, 3863377.25	2.33E-04	7.37E-08	3.13E-08	2.38E-04	7.52E-08	3.19E-08	2.38E-04	7.51E-08	3.19E-08
4990	473863.09, 3863377.25	2.39E-04	7.54E-08	3.20E-08	2.44E-04	7.70E-08	3.27E-08	2.44E-04	7.69E-08	3.26E-08
4991	474363.09, 3863377.25	2.44E-04	7.70E-08	3.27E-08	2.49E-04	7.86E-08	3.33E-08	2.49E-04	7.85E-08	3.33E-08
4992	474863.09, 3863377.25	2.48E-04	7.84E-08	3.33E-08	2.53E-04	8.00E-08	3.39E-08	2.53E-04	7.99E-08	3.39E-08
4993	475363.09, 3863377.25	2.53E-04	7.98E-08	3.39E-08	2.58E-04	8.14E-08	3.45E-08	2.58E-04	8.13E-08	3.45E-08
4994	475863.09, 3863377.25	2.58E-04	8.14E-08	3.45E-08	2.63E-04	8.30E-08	3.52E-08	2.63E-04	8.29E-08	3.52E-08
4995	476363.09, 3863377.25	2.63E-04	8.30E-08	3.52E-08	2.69E-04	8.47E-08	3.60E-08	2.68E-04	8.46E-08	3.59E-08
4996	476863.09, 3863377.25	2.68E-04	8.46E-08	3.59E-08	2.74E-04	8.64E-08	3.66E-08	2.73E-04	8.63E-08	3.66E-08
4997	477363.09, 3863377.25	2.73E-04	8.63E-08	3.66E-08	2.79E-04	8.81E-08	3.74E-08	2.79E-04	8.80E-08	3.73E-08
4998	477863.09, 3863377.25	2.76E-04	8.71E-08	3.70E-08	2.82E-04	8.89E-08	3.77E-08	2.81E-04	8.88E-08	3.77E-08
4999	478363.09, 3863377.25	2.68E-04	8.44E-08	3.58E-08	2.73E-04	8.62E-08	3.66E-08	2.73E-04	8.61E-08	3.65E-08
5000	478863.09, 3863377.25	2.78E-04	8.76E-08	3.72E-08	2.83E-04	8.94E-08	3.79E-08	2.83E-04	8.93E-08	3.79E-08
5001	479363.09, 3863377.25	2.98E-04	9.39E-08	3.99E-08	3.04E-04	9.58E-08	4.07E-08	3.03E-04	9.57E-08	4.06E-08
5002	479863.09, 3863377.25	3.11E-04	9.81E-08	4.16E-08	3.17E-04	1.00E-07	4.25E-08	3.17E-04	1.00E-07	4.24E-08
5003	480363.09, 3863377.25	3.19E-04	1.01E-07	4.27E-08	3.26E-04	1.03E-07	4.36E-08	3.25E-04	1.03E-07	4.36E-08
5004	480863.09, 3863377.25	3.28E-04	1.04E-07	4.39E-08	3.35E-04	1.06E-07	4.48E-08	3.34E-04	1.05E-07	4.48E-08
5005	481363.09, 3863377.25	3.36E-04	1.06E-07	4.50E-08	3.43E-04	1.08E-07	4.59E-08	3.42E-04	1.08E-07	4.58E-08
5006	481863.09, 3863377.25	3.44E-04	1.09E-07	4.60E-08	3.51E-04	1.11E-07	4.70E-08	3.50E-04	1.11E-07	4.69E-08
5007	482363.09, 3863377.25	3.52E-04	1.11E-07	4.72E-08	3.60E-04	1.13E-07	4.82E-08	3.59E-04	1.13E-07	4.81E-08
5008	482863.09, 3863377.25	3.62E-04	1.14E-07	4.84E-08	3.69E-04	1.16E-07	4.94E-08	3.68E-04	1.16E-07	4.93E-08
5009	483363.09, 3863377.25	3.73E-04	1.18E-07	5.00E-08	3.81E-04	1.20E-07	5.10E-08	3.80E-04	1.20E-07	5.09E-08
5010	483863.09, 3863377.25	3.86E-04	1.22E-07	5.17E-08	3.94E-04	1.24E-07	5.27E-08	3.93E-04	1.24E-07	5.27E-08
5011	484363.09, 3863377.25	3.99E-04	1.26E-07	5.34E-08	4.07E-04	1.28E-07	5.45E-08	4.07E-04	1.28E-07	5.45E-08
5012	484863.09, 3863377.25	4.15E-04	1.31E-07	5.55E-08	4.23E-04	1.34E-07	5.67E-08	4.23E-04	1.33E-07	5.66E-08
5013	485363.09, 3863377.25	4.31E-04	1.36E-07	5.77E-08	4.40E-04	1.39E-07	5.89E-08	4.39E-04	1.39E-07	5.88E-08
5014	485863.09, 3863377.25	4.49E-04	1.42E-07	6.01E-08	4.58E-04	1.45E-07	6.14E-08	4.58E-04	1.44E-07	6.13E-08
5015	486363.09, 3863377.25	4.70E-04	1.48E-07	6.29E-08	4.79E-04	1.51E-07	6.42E-08	4.79E-04	1.51E-07	6.41E-08
5016	486863.09, 3863377.25	4.92E-04	1.55E-07	6.59E-08	5.02E-04	1.59E-07	6.73E-08	5.02E-04	1.58E-07	6.72E-08
5017	487363.09, 3863377.25	5.16E-04	1.63E-07	6.91E-08	5.27E-04	1.66E-07	7.05E-08	5.26E-04	1.66E-07	7.05E-08
5018	487863.09, 3863377.25	5.45E-04	1.72E-07	7.30E-08	5.56E-04	1.75E-07	7.44E-08	5.55E-04	1.75E-07	7.44E-08
5019	488363.09, 3863377.25	5.72E-04	1.81E-07	7.66E-08	5.84E-04	1.84E-07	7.82E-08	5.83E-04	1.84E-07	7.81E-08
5020	488863.09, 3863377.25	5.96E-04	1.88E-07	7.99E-08	6.09E-04	1.92E-07	8.15E-08	6.08E-04	1.92E-07	8.14E-08
5021	489363.09, 3863377.25	6.11E-04	1.93E-07	8.18E-08	6.23E-04	1.97E-07	8.34E-08	6.22E-04	1.96E-07	8.33E-08
5022	489863.09, 3863377.25	6.17E-04	1.95E-07	8.26E-08	6.30E-04	1.99E-07	8.43E-08	6.29E-04	1.98E-07	8.42E-08
5023	490363.09, 3863377.25	6.19E-04	1.95E-07	8.29E-08	6.32E-04	1.99E-07	8.46E-08	6.31E-04	1.99E-07	8.45E-08
5024	490863.09, 3863377.25	6.20E-04	1.96E-07	8.30E-08	6.32E-04	2.00E-07	8.47E-08	6.32E-04	1.99E-07	8.46E-08
5025	491363.09, 3863377.25	6.06E-04	1.91E-07	8.11E-08	6.18E-04	1.95E-07	8.28E-08	6.17E-04	1.95E-07	8.27E-08
5026	491863.09, 3863377.25	5.98E-04	1.89E-07	8.01E-08	6.11E-04	1.93E-07	8.18E-08	6.10E-04	1.93E-07	8.17E-08
5027	492363.09, 3863377.25	6.13E-04	1.93E-07	8.20E-08	6.25E-04	1.97E-07	8.37E-08	6.24E-04	1.97E-07	8.36E-08
5028	492863.09, 3863377.25	6.22E-04	1.96E-07	8.33E-08	6.34E-04	2.00E-07	8.50E-08	6.34E-04	2.00E-07	8.49E-08
5029	493363.09, 3863377.25	6.30E-04	1.99E-07	8.43E-08	6.43E-04	2.03E-07	8.60E-08	6.42E-04	2.03E-07	8.59E-08
5030	493863.09, 3863377.25	6.33E-04	2.00E-07	8.47E-08	6.46E-04	2.04E-07	8.64E-08	6.45E-04	2.04E-07	8.63E-08
5031	494363.09, 3863377.25	6.26E-04	1.98E-07	8.39E-08	6.39E-04	2.02E-07	8.56E-08	6.38E-04	2.01E-07	8.55E-08
5032	494863.09, 3863377.25	6.11E-04	1.93E-07	8.18E-08	6.23E-04	1.97E-07	8.35E-08	6.23E-04	1.96E-07	8.34E-08
5033	495363.09, 3863377.25	5.86E-04	1.85E-07	7.85E-08	5.98E-04	1.89E-07	8.01E-08	5.97E-04	1.89E-07	8.00E-08
5034	495863.09, 3863377.25	5.75E-04	1.81E-07	7.69E-08	5.86E-04	1.85E-07	7.85E-08	5.86E-04	1.85E-07	7.84E-08
5035	496363.09, 3863377.25	5.65E-04	1.78E-07	7.57E-08	5.77E-04	1.82E-07	7.73E-08	5.76E-04	1.82E-07	7.72E-08
5036	496863.09, 3863377.25	5.66E-04	1.79E-07	7.58E-08	5.78E-04	1.82E-07	7.74E-08	5.77E-04	1.82E-07	7.73E-08

5037 497363.09, 3863377.25	5.70E-04	1.80E-07	7.64E-08	5.82E-04	1.84E-07	7.79E-08	5.81E-04	1.83E-07	7.78E-08
5038 497863.09, 3863377.25	5.62E-04	1.77E-07	7.52E-08	5.73E-04	1.81E-07	7.67E-08	5.72E-04	1.81E-07	7.67E-08
5039 498363.09, 3863377.25	5.45E-04	1.72E-07	7.30E-08	5.56E-04	1.76E-07	7.45E-08	5.56E-04	1.75E-07	7.44E-08
5040 471363.09, 3863877.25	2.04E-04	6.44E-08	2.73E-08	2.08E-04	6.57E-08	2.79E-08	2.08E-04	6.56E-08	2.78E-08
5041 471863.09, 3863877.25	2.09E-04	6.58E-08	2.79E-08	2.13E-04	6.72E-08	2.85E-08	2.13E-04	6.71E-08	2.85E-08
5042 472363.09, 3863877.25	2.14E-04	6.76E-08	2.87E-08	2.19E-04	6.90E-08	2.93E-08	2.18E-04	6.89E-08	2.92E-08
5043 472863.09, 3863877.25	2.20E-04	6.94E-08	2.94E-08	2.24E-04	7.08E-08	3.00E-08	2.24E-04	7.07E-08	3.00E-08
5044 473363.09, 3863877.25	2.25E-04	7.11E-08	3.01E-08	2.30E-04	7.25E-08	3.08E-08	2.29E-04	7.24E-08	3.07E-08
5045 473863.09, 3863877.25	2.30E-04	7.27E-08	3.09E-08	2.35E-04	7.42E-08	3.15E-08	2.35E-04	7.41E-08	3.14E-08
5046 474363.09, 3863877.25	2.35E-04	7.42E-08	3.15E-08	2.40E-04	7.57E-08	3.21E-08	2.40E-04	7.56E-08	3.21E-08
5047 474863.09, 3863877.25	2.39E-04	7.55E-08	3.20E-08	2.44E-04	7.71E-08	3.27E-08	2.44E-04	7.70E-08	3.27E-08
5048 475363.09, 3863877.25	2.44E-04	7.69E-08	3.26E-08	2.49E-04	7.85E-08	3.33E-08	2.48E-04	7.84E-08	3.33E-08
5049 475863.09, 3863877.25	2.48E-04	7.83E-08	3.32E-08	2.53E-04	7.99E-08	3.39E-08	2.53E-04	7.98E-08	3.39E-08
5050 476363.09, 3863877.25	2.53E-04	7.98E-08	3.39E-08	2.58E-04	8.14E-08	3.45E-08	2.58E-04	8.13E-08	3.45E-08
5051 476863.09, 3863877.25	2.57E-04	8.12E-08	3.44E-08	2.62E-04	8.28E-08	3.52E-08	2.62E-04	8.27E-08	3.51E-08
5052 477363.09, 3863877.25	2.62E-04	8.28E-08	3.51E-08	2.68E-04	8.45E-08	3.58E-08	2.67E-04	8.44E-08	3.58E-08
5053 477863.09, 3863877.25	2.68E-04	8.44E-08	3.58E-08	2.73E-04	8.62E-08	3.66E-08	2.73E-04	8.61E-08	3.65E-08
5054 478363.09, 3863877.25	2.67E-04	8.42E-08	3.57E-08	2.72E-04	8.59E-08	3.64E-08	2.72E-04	8.58E-08	3.64E-08
5055 478863.09, 3863877.25	2.82E-04	8.90E-08	3.78E-08	2.88E-04	9.08E-08	3.85E-08	2.87E-04	9.07E-08	3.85E-08
5056 479363.09, 3863877.25	2.92E-04	9.22E-08	3.91E-08	2.98E-04	9.40E-08	3.99E-08	2.98E-04	9.39E-08	3.99E-08
5057 479863.09, 3863877.25	2.99E-04	9.44E-08	4.01E-08	3.05E-04	9.63E-08	4.09E-08	3.05E-04	9.62E-08	4.08E-08
5058 480363.09, 3863877.25	3.04E-04	9.61E-08	4.08E-08	3.11E-04	9.80E-08	4.16E-08	3.10E-04	9.79E-08	4.15E-08
5059 480863.09, 3863877.25	3.10E-04	9.78E-08	4.15E-08	3.16E-04	9.98E-08	4.24E-08	3.16E-04	9.97E-08	4.23E-08
5060 481363.09, 3863877.25	3.15E-04	9.95E-08	4.22E-08	3.22E-04	1.02E-07	4.31E-08	3.21E-04	1.01E-07	4.30E-08
5061 481863.09, 3863877.25	3.21E-04	1.01E-07	4.30E-08	3.28E-04	1.03E-07	4.39E-08	3.27E-04	1.03E-07	4.38E-08
5062 482363.09, 3863877.25	3.28E-04	1.04E-07	4.39E-08	3.35E-04	1.06E-07	4.48E-08	3.34E-04	1.05E-07	4.48E-08
5063 482863.09, 3863877.25	3.34E-04	1.06E-07	4.48E-08	3.41E-04	1.08E-07	4.57E-08	3.41E-04	1.08E-07	4.56E-08
5064 483363.09, 3863877.25	3.43E-04	1.08E-07	4.59E-08	3.50E-04	1.10E-07	4.68E-08	3.49E-04	1.10E-07	4.68E-08
5065 483863.09, 3863877.25	3.53E-04	1.12E-07	4.73E-08	3.61E-04	1.14E-07	4.83E-08	3.60E-04	1.14E-07	4.82E-08
5066 484363.09, 3863877.25	3.64E-04	1.15E-07	4.88E-08	3.72E-04	1.17E-07	4.98E-08	3.71E-04	1.17E-07	4.97E-08
5067 484863.09, 3863877.25	3.78E-04	1.19E-07	5.06E-08	3.85E-04	1.22E-07	5.16E-08	3.85E-04	1.22E-07	5.16E-08
5068 485363.09, 3863877.25	3.90E-04	1.23E-07	5.22E-08	3.98E-04	1.26E-07	5.33E-08	3.98E-04	1.25E-07	5.32E-08
5069 485863.09, 3863877.25	4.05E-04	1.28E-07	5.43E-08	4.13E-04	1.30E-07	5.54E-08	4.13E-04	1.30E-07	5.53E-08
5070 486363.09, 3863877.25	4.22E-04	1.33E-07	5.65E-08	4.31E-04	1.36E-07	5.77E-08	4.30E-04	1.36E-07	5.76E-08
5071 486863.09, 3863877.25	4.41E-04	1.39E-07	5.91E-08	4.50E-04	1.42E-07	6.03E-08	4.50E-04	1.42E-07	6.02E-08
5072 487363.09, 3863877.25	4.60E-04	1.45E-07	6.16E-08	4.70E-04	1.48E-07	6.29E-08	4.69E-04	1.48E-07	6.28E-08
5073 487863.09, 3863877.25	4.81E-04	1.52E-07	6.44E-08	4.91E-04	1.55E-07	6.58E-08	4.90E-04	1.55E-07	6.57E-08
5074 488363.09, 3863877.25	5.01E-04	1.58E-07	6.71E-08	5.11E-04	1.61E-07	6.85E-08	5.11E-04	1.61E-07	6.84E-08
5075 488863.09, 3863877.25	5.18E-04	1.64E-07	6.94E-08	5.29E-04	1.67E-07	7.08E-08	5.28E-04	1.67E-07	7.07E-08
5076 489363.09, 3863877.25	5.24E-04	1.65E-07	7.02E-08	5.35E-04	1.69E-07	7.16E-08	5.34E-04	1.69E-07	7.15E-08
5077 489863.09, 3863877.25	5.24E-04	1.65E-07	7.02E-08	5.35E-04	1.69E-07	7.16E-08	5.34E-04	1.69E-07	7.15E-08
5078 490363.09, 3863877.25	5.23E-04	1.65E-07	7.00E-08	5.34E-04	1.68E-07	7.15E-08	5.33E-04	1.68E-07	7.14E-08
5079 490863.09, 3863877.25	5.23E-04	1.65E-07	7.00E-08	5.33E-04	1.68E-07	7.14E-08	5.33E-04	1.68E-07	7.13E-08
5080 491363.09, 3863877.25	5.14E-04	1.62E-07	6.88E-08	5.24E-04	1.66E-07	7.02E-08	5.24E-04	1.65E-07	7.01E-08
5081 491863.09, 3863877.25	5.21E-04	1.64E-07	6.97E-08	5.31E-04	1.68E-07	7.11E-08	5.31E-04	1.67E-07	7.11E-08
5082 492363.09, 3863877.25	5.18E-04	1.63E-07	6.93E-08	5.28E-04	1.67E-07	7.07E-08	5.28E-04	1.67E-07	7.07E-08
5083 492863.09, 3863877.25	4.83E-04	1.53E-07	6.47E-08	4.93E-04	1.56E-07	6.60E-08	4.93E-04	1.55E-07	6.60E-08
5084 493363.09, 3863877.25	4.91E-04	1.55E-07	6.58E-08	5.02E-04	1.58E-07	6.72E-08	5.01E-04	1.58E-07	6.71E-08
5085 493863.09, 3863877.25	5.09E-04	1.61E-07	6.82E-08	5.20E-04	1.64E-07	6.96E-08	5.19E-04	1.64E-07	6.95E-08
5086 494363.09, 3863877.25	5.29E-04	1.67E-07	7.09E-08	5.40E-04	1.70E-07	7.23E-08	5.39E-04	1.70E-07	7.22E-08
5087 494863.09, 3863877.25	5.27E-04	1.66E-07	7.06E-08	5.38E-04	1.70E-07	7.20E-08	5.37E-04	1.69E-07	7.19E-08
5088 495363.09, 3863877.25	5.22E-04	1.65E-07	6.99E-08	5.33E-04	1.68E-07	7.13E-08	5.32E-04	1.68E-07	7.12E-08
5089 495863.09, 3863877.25	4.97E-04	1.57E-07	6.65E-08	5.07E-04	1.60E-07	6.78E-08	5.06E-04	1.60E-07	6.78E-08
5090 496363.09, 3863877.25	4.81E-04	1.52E-07	6.44E-08	4.91E-04	1.55E-07	6.58E-08	4.90E-04	1.55E-07	6.57E-08
5091 496863.09, 3863877.25	4.74E-04	1.50E-07	6.35E-08	4.84E-04	1.53E-07	6.48E-08	4.83E-04	1.53E-07	6.47E-08
5092 497363.09, 3863877.25	4.77E-04	1.51E-07	6.39E-08	4.87E-04	1.54E-07	6.52E-08	4.86E-04	1.53E-07	6.51E-08
5093 497863.09, 3863877.25	4.85E-04	1.53E-07	6.49E-08	4.95E-04	1.56E-07	6.63E-08	4.94E-04	1.56E-07	6.62E-08
5094 498363.09, 3863877.25	4.83E-04	1.52E-07	6.46E-08	4.93E-04	1.55E-07	6.60E-08	4.92E-04	1.55E-07	6.59E-08
5095 471363.09, 3864377.25	1.97E-04	6.23E-08	2.64E-08	2.01E-04	6.36E-08	2.70E-08	2.01E-04	6.35E-08	2.69E-08
5096 471863.09, 3864377.25	2.02E-04	6.39E-08	2.71E-08	2.07E-04	6.52E-08	2.77E-08	2.06E-04	6.51E-08	2.76E-08
5097 472363.09, 3864377.25	2.08E-04	6.56E-08	2.78E-08	2.12E-04	6.69E-08	2.84E-08	2.12E-04	6.68E-08	2.84E-08
5098 472863.09, 3864377.25	2.13E-04	6.72E-08	2.85E-08	2.17E-04	6.86E-08	2.91E-08	2.17E-04	6.85E-08	2.91E-08
5099 473363.09, 3864377.25	2.18E-04	6.87E-08	2.92E-08	2.22E-04	7.01E-08	2.98E-08	2.22E-04	7.00E-08	2.97E-08
5100 473863.09, 3864377.25	2.22E-04	7.02E-08	2.98E-08	2.27E-04	7.16E-08	3.04E-08	2.27E-04	7.16E-08	3.04E-08
5101 474363.09, 3864377.25	2.27E-04	7.15E-08	3.03E-08	2.31E-04	7.30E-08	3.10E-08	2.31E-04	7.29E-08	3.09E-08
5102 474863.09, 3864377.25	2.31E-04	7.28E-08	3.09E-08	2.35E-04	7.43E-08	3.15E-08	2.35E-04	7.42E-08	3.15E-08
5103 475363.09, 3864377.25	2.35E-04	7.41E-08	3.14E-08	2.40E-04	7.56E-08	3.21E-08	2.39E-04	7.55E-08	3.21E-08
5104 475863.09, 3864377.25	2.39E-04	7.54E-08	3.20E-08	2.44E-04	7.70E-08	3.27E-08	2.44E-04	7.69E-08	3.26E-08
5105 476363.09, 3864377.25	2.43E-04	7.67E-08	3.26E-08	2.48E-04	7.83E-08	3.32E-08	2.48E-04	7.82E-08	3.32E-08
5106 476863.09, 3864377.25	2.48E-04	7.82E-08	3.32E-08	2.53E-04	7.98E-08	3.39E-08	2.53E-04	7.97E-08	3.38E-08

5107	477363.09, 3864377.25	2.53E-04	7.97E-08	3.38E-08	2.58E-04	8.13E-08	3.45E-08	2.57E-04	8.12E-08	3.45E-08
5108	477863.09, 3864377.25	2.58E-04	8.15E-08	3.46E-08	2.63E-04	8.31E-08	3.53E-08	2.63E-04	8.30E-08	3.52E-08
5109	478363.09, 3864377.25	2.65E-04	8.36E-08	3.55E-08	2.70E-04	8.53E-08	3.62E-08	2.70E-04	8.52E-08	3.62E-08
5110	478863.09, 3864377.25	2.72E-04	8.59E-08	3.65E-08	2.78E-04	8.77E-08	3.72E-08	2.78E-04	8.76E-08	3.72E-08
5111	479363.09, 3864377.25	2.78E-04	8.78E-08	3.72E-08	2.84E-04	8.96E-08	3.80E-08	2.84E-04	8.95E-08	3.80E-08
5112	479863.09, 3864377.25	2.83E-04	8.92E-08	3.78E-08	2.88E-04	9.10E-08	3.86E-08	2.88E-04	9.09E-08	3.86E-08
5113	480363.09, 3864377.25	2.86E-04	9.04E-08	3.84E-08	2.92E-04	9.22E-08	3.91E-08	2.92E-04	9.21E-08	3.91E-08
5114	480863.09, 3864377.25	2.89E-04	9.13E-08	3.87E-08	2.95E-04	9.32E-08	3.95E-08	2.95E-04	9.31E-08	3.95E-08
5115	481363.09, 3864377.25	2.94E-04	9.28E-08	3.94E-08	3.00E-04	9.47E-08	4.02E-08	3.00E-04	9.46E-08	4.01E-08
5116	481863.09, 3864377.25	2.99E-04	9.44E-08	4.01E-08	3.05E-04	9.63E-08	4.09E-08	3.05E-04	9.62E-08	4.08E-08
5117	482363.09, 3864377.25	3.04E-04	9.59E-08	4.07E-08	3.10E-04	9.78E-08	4.15E-08	3.10E-04	9.77E-08	4.15E-08
5118	482863.09, 3864377.25	3.09E-04	9.75E-08	4.14E-08	3.15E-04	9.95E-08	4.22E-08	3.15E-04	9.93E-08	4.21E-08
5119	483363.09, 3864377.25	3.15E-04	9.93E-08	4.21E-08	3.21E-04	1.01E-07	4.30E-08	3.21E-04	1.01E-07	4.30E-08
5120	483863.09, 3864377.25	3.23E-04	1.02E-07	4.32E-08	3.29E-04	1.04E-07	4.41E-08	3.29E-04	1.04E-07	4.40E-08
5121	484363.09, 3864377.25	3.33E-04	1.05E-07	4.45E-08	3.39E-04	1.07E-07	4.55E-08	3.39E-04	1.07E-07	4.54E-08
5122	484863.09, 3864377.25	3.43E-04	1.08E-07	4.59E-08	3.50E-04	1.10E-07	4.68E-08	3.49E-04	1.10E-07	4.68E-08
5123	485363.09, 3864377.25	3.55E-04	1.12E-07	4.75E-08	3.62E-04	1.14E-07	4.85E-08	3.62E-04	1.14E-07	4.84E-08
5124	485863.09, 3864377.25	3.70E-04	1.17E-07	4.95E-08	3.77E-04	1.19E-07	5.05E-08	3.77E-04	1.19E-07	5.05E-08
5125	486363.09, 3864377.25	3.86E-04	1.22E-07	5.17E-08	3.94E-04	1.24E-07	5.27E-08	3.93E-04	1.24E-07	5.26E-08
5126	486863.09, 3864377.25	3.99E-04	1.26E-07	5.35E-08	4.07E-04	1.29E-07	5.46E-08	4.07E-04	1.28E-07	5.45E-08
5127	487363.09, 3864377.25	4.14E-04	1.31E-07	5.54E-08	4.22E-04	1.33E-07	5.66E-08	4.22E-04	1.33E-07	5.65E-08
5128	487863.09, 3864377.25	4.30E-04	1.36E-07	5.76E-08	4.39E-04	1.39E-07	5.88E-08	4.38E-04	1.38E-07	5.87E-08
5129	488363.09, 3864377.25	4.44E-04	1.40E-07	5.94E-08	4.53E-04	1.43E-07	6.06E-08	4.52E-04	1.43E-07	6.06E-08
5130	488863.09, 3864377.25	4.55E-04	1.43E-07	6.09E-08	4.64E-04	1.46E-07	6.21E-08	4.63E-04	1.46E-07	6.21E-08
5131	489363.09, 3864377.25	4.57E-04	1.44E-07	6.12E-08	4.67E-04	1.47E-07	6.25E-08	4.66E-04	1.47E-07	6.24E-08
5132	489863.09, 3864377.25	4.54E-04	1.43E-07	6.08E-08	4.64E-04	1.46E-07	6.21E-08	4.63E-04	1.46E-07	6.20E-08
5133	490363.09, 3864377.25	4.54E-04	1.43E-07	6.08E-08	4.63E-04	1.46E-07	6.20E-08	4.63E-04	1.46E-07	6.19E-08
5134	490863.09, 3864377.25	4.55E-04	1.44E-07	6.10E-08	4.65E-04	1.47E-07	6.22E-08	4.64E-04	1.46E-07	6.21E-08
5135	491363.09, 3864377.25	4.56E-04	1.44E-07	6.11E-08	4.65E-04	1.47E-07	6.23E-08	4.65E-04	1.47E-07	6.23E-08
5136	491863.09, 3864377.25	2.12E-04	6.70E-08	2.84E-08	2.16E-04	6.83E-08	2.90E-08	2.16E-04	6.82E-08	2.90E-08
5137	492363.09, 3864377.25	3.49E-04	1.10E-07	4.68E-08	3.57E-04	1.13E-07	4.78E-08	3.56E-04	1.12E-07	4.77E-08
5138	492863.09, 3864377.25	2.41E-04	7.60E-08	3.22E-08	2.46E-04	7.75E-08	3.29E-08	2.45E-04	7.74E-08	3.29E-08
5139	493363.09, 3864377.25	3.25E-04	1.02E-07	4.35E-08	3.31E-04	1.05E-07	4.44E-08	3.31E-04	1.04E-07	4.43E-08
5140	493863.09, 3864377.25	3.95E-04	1.25E-07	5.30E-08	4.04E-04	1.27E-07	5.40E-08	4.03E-04	1.27E-07	5.40E-08
5141	494363.09, 3864377.25	4.28E-04	1.35E-07	5.73E-08	4.37E-04	1.38E-07	5.85E-08	4.36E-04	1.38E-07	5.84E-08
5142	494863.09, 3864377.25	4.54E-04	1.43E-07	6.08E-08	4.63E-04	1.46E-07	6.20E-08	4.63E-04	1.46E-07	6.19E-08
5143	495363.09, 3864377.25	4.55E-04	1.44E-07	6.10E-08	4.65E-04	1.47E-07	6.22E-08	4.64E-04	1.46E-07	6.21E-08
5144	495863.09, 3864377.25	4.52E-04	1.43E-07	6.06E-08	4.62E-04	1.46E-07	6.18E-08	4.61E-04	1.45E-07	6.17E-08
5145	496363.09, 3864377.25	4.32E-04	1.36E-07	5.79E-08	4.41E-04	1.39E-07	5.91E-08	4.41E-04	1.39E-07	5.90E-08
5146	496863.09, 3864377.25	4.17E-04	1.32E-07	5.59E-08	4.26E-04	1.34E-07	5.70E-08	4.25E-04	1.34E-07	5.69E-08
5147	497363.09, 3864377.25	4.10E-04	1.29E-07	5.48E-08	4.18E-04	1.32E-07	5.60E-08	4.17E-04	1.32E-07	5.59E-08
5148	497863.09, 3864377.25	4.13E-04	1.30E-07	5.53E-08	4.22E-04	1.33E-07	5.65E-08	4.21E-04	1.33E-07	5.64E-08
5149	498363.09, 3864377.25	4.15E-04	1.31E-07	5.56E-08	4.24E-04	1.34E-07	5.68E-08	4.23E-04	1.34E-07	5.67E-08
5150	471363.09, 3864877.25	1.92E-04	6.06E-08	2.57E-08	1.96E-04	6.19E-08	2.63E-08	1.96E-04	6.18E-08	2.62E-08
5151	471863.09, 3864877.25	1.97E-04	6.21E-08	2.64E-08	2.01E-04	6.34E-08	2.69E-08	2.01E-04	6.33E-08	2.69E-08
5152	472363.09, 3864877.25	2.02E-04	6.37E-08	2.70E-08	2.06E-04	6.50E-08	2.76E-08	2.06E-04	6.49E-08	2.75E-08
5153	472863.09, 3864877.25	2.07E-04	6.52E-08	2.77E-08	2.11E-04	6.65E-08	2.82E-08	2.11E-04	6.64E-08	2.82E-08
5154	473363.09, 3864877.25	2.11E-04	6.65E-08	2.82E-08	2.15E-04	6.79E-08	2.88E-08	2.15E-04	6.78E-08	2.88E-08
5155	473863.09, 3864877.25	2.15E-04	6.77E-08	2.87E-08	2.19E-04	6.91E-08	2.93E-08	2.19E-04	6.90E-08	2.93E-08
5156	474363.09, 3864877.25	2.19E-04	6.90E-08	2.93E-08	2.23E-04	7.04E-08	2.99E-08	2.23E-04	7.03E-08	2.98E-08
5157	474863.09, 3864877.25	2.22E-04	7.01E-08	2.98E-08	2.27E-04	7.16E-08	3.04E-08	2.26E-04	7.15E-08	3.03E-08
5158	475363.09, 3864877.25	2.26E-04	7.13E-08	3.03E-08	2.31E-04	7.28E-08	3.09E-08	2.30E-04	7.27E-08	3.08E-08
5159	475863.09, 3864877.25	2.30E-04	7.24E-08	3.07E-08	2.34E-04	7.39E-08	3.14E-08	2.34E-04	7.38E-08	3.13E-08
5160	476363.09, 3864877.25	2.33E-04	7.37E-08	3.13E-08	2.38E-04	7.52E-08	3.19E-08	2.38E-04	7.51E-08	3.19E-08
5161	476863.09, 3864877.25	2.39E-04	7.53E-08	3.20E-08	2.44E-04	7.69E-08	3.26E-08	2.43E-04	7.68E-08	3.26E-08
5162	477363.09, 3864877.25	2.43E-04	7.67E-08	3.26E-08	2.48E-04	7.83E-08	3.32E-08	2.48E-04	7.82E-08	3.32E-08
5163	477863.09, 3864877.25	2.48E-04	7.82E-08	3.32E-08	2.53E-04	7.98E-08	3.39E-08	2.53E-04	7.97E-08	3.38E-08
5164	478363.09, 3864877.25	2.53E-04	7.98E-08	3.39E-08	2.58E-04	8.14E-08	3.45E-08	2.58E-04	8.13E-08	3.45E-08
5165	478863.09, 3864877.25	2.58E-04	8.13E-08	3.45E-08	2.63E-04	8.29E-08	3.52E-08	2.62E-04	8.28E-08	3.51E-08
5166	479363.09, 3864877.25	2.62E-04	8.26E-08	3.50E-08	2.67E-04	8.43E-08	3.58E-08	2.67E-04	8.42E-08	3.57E-08
5167	479863.09, 3864877.25	2.64E-04	8.34E-08	3.54E-08	2.70E-04	8.51E-08	3.61E-08	2.69E-04	8.50E-08	3.61E-08
5168	480363.09, 3864877.25	2.68E-04	8.44E-08	3.58E-08	2.73E-04	8.62E-08	3.66E-08	2.73E-04	8.61E-08	3.65E-08
5169	480863.09, 3864877.25	2.71E-04	8.54E-08	3.62E-08	2.76E-04	8.71E-08	3.70E-08	2.76E-04	8.70E-08	3.69E-08
5170	481363.09, 3864877.25	2.75E-04	8.67E-08	3.68E-08	2.80E-04	8.84E-08	3.75E-08	2.80E-04	8.83E-08	3.75E-08
5171	481863.09, 3864877.25	2.78E-04	8.77E-08	3.72E-08	2.84E-04	8.95E-08	3.80E-08	2.83E-04	8.94E-08	3.79E-08
5172	482363.09, 3864877.25	2.81E-04	8.88E-08	3.77E-08	2.87E-04	9.06E-08	3.85E-08	2.87E-04	9.05E-08	3.84E-08
5173	482863.09, 3864877.25	2.85E-04	8.98E-08	3.81E-08	2.90E-04	9.17E-08	3.89E-08	2.90E-04	9.16E-08	3.88E-08
5174	483363.09, 3864877.25	2.89E-04	9.11E-08	3.87E-08	2.95E-04	9.30E-08	3.95E-08	2.94E-04	9.29E-08	3.94E-08
5175	483863.09, 3864877.25	2.95E-04	9.32E-08	3.95E-08	3.01E-04	9.51E-08	4.03E-08	3.01E-04	9.50E-08	4.03E-08
5176	484363.09, 3864877.25	3.05E-04	9.63E-08	4.08E-08	3.11E-04	9.82E-08	4.17E-08	3.11E-04	9.81E-08	4.16E-08

5177	484863.09, 3864877.25	3.16E-04	9.98E-08	4.23E-08	3.23E-04	1.02E-07	4.32E-08	3.22E-04	1.02E-07	4.32E-08
5178	485363.09, 3864877.25	3.29E-04	1.04E-07	4.41E-08	3.36E-04	1.06E-07	4.50E-08	3.36E-04	1.06E-07	4.50E-08
5179	485863.09, 3864877.25	3.42E-04	1.08E-07	4.58E-08	3.49E-04	1.10E-07	4.67E-08	3.48E-04	1.10E-07	4.67E-08
5180	486363.09, 3864877.25	3.53E-04	1.11E-07	4.73E-08	3.60E-04	1.14E-07	4.82E-08	3.60E-04	1.14E-07	4.82E-08
5181	486863.09, 3864877.25	3.63E-04	1.14E-07	4.86E-08	3.70E-04	1.17E-07	4.96E-08	3.70E-04	1.17E-07	4.95E-08
5182	487363.09, 3864877.25	3.75E-04	1.18E-07	5.02E-08	3.82E-04	1.21E-07	5.12E-08	3.82E-04	1.21E-07	5.12E-08
5183	487863.09, 3864877.25	3.87E-04	1.22E-07	5.18E-08	3.95E-04	1.25E-07	5.29E-08	3.94E-04	1.24E-07	5.28E-08
5184	488363.09, 3864877.25	3.96E-04	1.25E-07	5.30E-08	4.04E-04	1.27E-07	5.41E-08	4.03E-04	1.27E-07	5.40E-08
5185	488863.09, 3864877.25	4.03E-04	1.27E-07	5.39E-08	4.11E-04	1.30E-07	5.50E-08	4.11E-04	1.30E-07	5.50E-08
5186	489363.09, 3864877.25	4.04E-04	1.27E-07	5.41E-08	4.12E-04	1.30E-07	5.52E-08	4.11E-04	1.30E-07	5.51E-08
5187	489863.09, 3864877.25	4.00E-04	1.26E-07	5.36E-08	4.08E-04	1.29E-07	5.47E-08	4.08E-04	1.29E-07	5.46E-08
5188	490363.09, 3864877.25	4.01E-04	1.26E-07	5.37E-08	4.09E-04	1.29E-07	5.48E-08	4.08E-04	1.29E-07	5.47E-08
5189	490863.09, 3864877.25	3.80E-04	1.20E-07	5.09E-08	3.88E-04	1.22E-07	5.19E-08	3.87E-04	1.22E-07	5.19E-08
5190	491363.09, 3864877.25	4.00E-04	1.26E-07	5.36E-08	4.09E-04	1.29E-07	5.47E-08	4.08E-04	1.29E-07	5.47E-08
5191	491863.09, 3864877.25	3.61E-04	1.14E-07	4.83E-08	3.68E-04	1.16E-07	4.93E-08	3.68E-04	1.16E-07	4.92E-08
5192	492363.09, 3864877.25	1.50E-04	4.74E-08	2.01E-08	1.53E-04	4.84E-08	2.05E-08	1.53E-04	4.83E-08	2.05E-08
5193	492863.09, 3864877.25	1.82E-04	5.76E-08	2.44E-08	1.86E-04	5.87E-08	2.49E-08	1.86E-04	5.87E-08	2.49E-08
5194	493363.09, 3864877.25	1.78E-04	5.62E-08	2.38E-08	1.82E-04	5.73E-08	2.43E-08	1.81E-04	5.73E-08	2.43E-08
5195	493863.09, 3864877.25	3.11E-04	9.82E-08	4.17E-08	3.18E-04	1.00E-07	4.25E-08	3.17E-04	1.00E-07	4.25E-08
5196	494363.09, 3864877.25	3.67E-04	1.16E-07	4.91E-08	3.74E-04	1.18E-07	5.01E-08	3.74E-04	1.18E-07	5.01E-08
5197	494863.09, 3864877.25	3.81E-04	1.20E-07	5.10E-08	3.89E-04	1.23E-07	5.21E-08	3.88E-04	1.23E-07	5.20E-08
5198	495363.09, 3864877.25	3.98E-04	1.25E-07	5.32E-08	4.06E-04	1.28E-07	5.43E-08	4.05E-04	1.28E-07	5.43E-08
5199	495863.09, 3864877.25	3.99E-04	1.26E-07	5.35E-08	4.07E-04	1.29E-07	5.46E-08	4.07E-04	1.28E-07	5.45E-08
5200	496363.09, 3864877.25	3.98E-04	1.26E-07	5.33E-08	4.07E-04	1.28E-07	5.44E-08	4.06E-04	1.28E-07	5.44E-08
5201	496863.09, 3864877.25	3.82E-04	1.21E-07	5.12E-08	3.90E-04	1.23E-07	5.22E-08	3.90E-04	1.23E-07	5.22E-08
5202	497363.09, 3864877.25	3.68E-04	1.16E-07	4.92E-08	3.75E-04	1.18E-07	5.03E-08	3.75E-04	1.18E-07	5.02E-08
5203	497863.09, 3864877.25	3.62E-04	1.14E-07	4.85E-08	3.69E-04	1.17E-07	4.94E-08	3.69E-04	1.16E-07	4.94E-08
5204	498363.09, 3864877.25	3.58E-04	1.13E-07	4.80E-08	3.66E-04	1.15E-07	4.90E-08	3.65E-04	1.15E-07	4.89E-08
5205	471363.09, 3865377.25	1.87E-04	5.90E-08	2.50E-08	1.91E-04	6.02E-08	2.55E-08	1.90E-04	6.01E-08	2.55E-08
5206	471863.09, 3865377.25	1.91E-04	6.04E-08	2.56E-08	1.95E-04	6.16E-08	2.61E-08	1.95E-04	6.15E-08	2.61E-08
5207	472363.09, 3865377.25	1.95E-04	6.17E-08	2.62E-08	1.99E-04	6.29E-08	2.67E-08	1.99E-04	6.28E-08	2.67E-08
5208	472863.09, 3865377.25	2.00E-04	6.31E-08	2.68E-08	2.04E-04	6.43E-08	2.73E-08	2.04E-04	6.43E-08	2.73E-08
5209	473363.09, 3865377.25	2.03E-04	6.41E-08	2.72E-08	2.07E-04	6.54E-08	2.77E-08	2.07E-04	6.53E-08	2.77E-08
5210	473863.09, 3865377.25	2.07E-04	6.52E-08	2.77E-08	2.11E-04	6.65E-08	2.82E-08	2.11E-04	6.64E-08	2.82E-08
5211	474363.09, 3865377.25	2.10E-04	6.63E-08	2.81E-08	2.14E-04	6.77E-08	2.87E-08	2.14E-04	6.76E-08	2.87E-08
5212	474863.09, 3865377.25	2.14E-04	6.75E-08	2.86E-08	2.18E-04	6.89E-08	2.92E-08	2.18E-04	6.88E-08	2.92E-08
5213	475363.09, 3865377.25	2.17E-04	6.85E-08	2.91E-08	2.22E-04	6.99E-08	2.97E-08	2.21E-04	6.99E-08	2.96E-08
5214	475863.09, 3865377.25	2.21E-04	6.97E-08	2.96E-08	2.25E-04	7.11E-08	3.02E-08	2.25E-04	7.10E-08	3.01E-08
5215	476363.09, 3865377.25	2.26E-04	7.14E-08	3.03E-08	2.31E-04	7.29E-08	3.09E-08	2.31E-04	7.28E-08	3.09E-08
5216	476863.09, 3865377.25	2.26E-04	7.13E-08	3.03E-08	2.31E-04	7.28E-08	3.09E-08	2.30E-04	7.27E-08	3.08E-08
5217	477363.09, 3865377.25	2.33E-04	7.37E-08	3.13E-08	2.38E-04	7.52E-08	3.19E-08	2.38E-04	7.51E-08	3.19E-08
5218	477863.09, 3865377.25	2.36E-04	7.44E-08	3.16E-08	2.41E-04	7.59E-08	3.22E-08	2.40E-04	7.58E-08	3.22E-08
5219	478363.09, 3865377.25	2.40E-04	7.56E-08	3.21E-08	2.44E-04	7.72E-08	3.27E-08	2.44E-04	7.71E-08	3.27E-08
5220	478863.09, 3865377.25	2.43E-04	7.65E-08	3.25E-08	2.47E-04	7.81E-08	3.31E-08	2.47E-04	7.80E-08	3.31E-08
5221	479363.09, 3865377.25	2.45E-04	7.75E-08	3.29E-08	2.50E-04	7.91E-08	3.35E-08	2.50E-04	7.90E-08	3.35E-08
5222	479863.09, 3865377.25	2.48E-04	7.84E-08	3.33E-08	2.53E-04	8.00E-08	3.39E-08	2.53E-04	7.99E-08	3.39E-08
5223	480363.09, 3865377.25	2.50E-04	7.90E-08	3.35E-08	2.55E-04	8.06E-08	3.42E-08	2.55E-04	8.05E-08	3.41E-08
5224	480863.09, 3865377.25	2.53E-04	7.97E-08	3.38E-08	2.58E-04	8.13E-08	3.45E-08	2.57E-04	8.12E-08	3.45E-08
5225	481363.09, 3865377.25	2.56E-04	8.07E-08	3.43E-08	2.61E-04	8.24E-08	3.49E-08	2.61E-04	8.23E-08	3.49E-08
5226	481863.09, 3865377.25	2.58E-04	8.14E-08	3.45E-08	2.63E-04	8.30E-08	3.52E-08	2.63E-04	8.29E-08	3.52E-08
5227	482363.09, 3865377.25	2.60E-04	8.19E-08	3.48E-08	2.65E-04	8.36E-08	3.55E-08	2.65E-04	8.35E-08	3.54E-08
5228	482863.09, 3865377.25	2.62E-04	8.26E-08	3.50E-08	2.67E-04	8.43E-08	3.58E-08	2.67E-04	8.42E-08	3.57E-08
5229	483363.09, 3865377.25	2.67E-04	8.42E-08	3.57E-08	2.72E-04	8.59E-08	3.64E-08	2.72E-04	8.58E-08	3.64E-08
5230	483863.09, 3865377.25	2.74E-04	8.66E-08	3.67E-08	2.80E-04	8.84E-08	3.75E-08	2.80E-04	8.82E-08	3.74E-08
5231	484363.09, 3865377.25	2.84E-04	8.97E-08	3.80E-08	2.90E-04	9.15E-08	3.88E-08	2.90E-04	9.14E-08	3.88E-08
5232	484863.09, 3865377.25	2.95E-04	9.32E-08	3.95E-08	3.01E-04	9.51E-08	4.03E-08	3.01E-04	9.50E-08	4.03E-08
5233	485363.09, 3865377.25	3.07E-04	9.68E-08	4.11E-08	3.13E-04	9.88E-08	4.19E-08	3.13E-04	9.87E-08	4.19E-08
5234	485863.09, 3865377.25	3.16E-04	9.99E-08	4.24E-08	3.23E-04	1.02E-07	4.32E-08	3.23E-04	1.02E-07	4.32E-08
5235	486363.09, 3865377.25	3.25E-04	1.02E-07	4.35E-08	3.31E-04	1.05E-07	4.44E-08	3.31E-04	1.04E-07	4.43E-08
5236	486863.09, 3865377.25	3.33E-04	1.05E-07	4.45E-08	3.39E-04	1.07E-07	4.55E-08	3.39E-04	1.07E-07	4.54E-08
5237	487363.09, 3865377.25	3.42E-04	1.08E-07	4.59E-08	3.49E-04	1.10E-07	4.68E-08	3.49E-04	1.10E-07	4.67E-08
5238	487863.09, 3865377.25	3.50E-04	1.10E-07	4.68E-08	3.57E-04	1.13E-07	4.78E-08	3.56E-04	1.13E-07	4.77E-08
5239	488363.09, 3865377.25	3.56E-04	1.12E-07	4.77E-08	3.63E-04	1.15E-07	4.86E-08	3.63E-04	1.15E-07	4.86E-08
5240	488863.09, 3865377.25	3.61E-04	1.14E-07	4.83E-08	3.68E-04	1.16E-07	4.93E-08	3.68E-04	1.16E-07	4.92E-08
5241	489363.09, 3865377.25	3.61E-04	1.14E-07	4.84E-08	3.69E-04	1.16E-07	4.94E-08	3.68E-04	1.16E-07	4.93E-08
5242	489863.09, 3865377.25	3.61E-04	1.14E-07	4.84E-08	3.69E-04	1.16E-07	4.94E-08	3.68E-04	1.16E-07	4.93E-08
5243	490363.09, 3865377.25	3.50E-04	1.11E-07	4.69E-08	3.58E-04	1.13E-07	4.79E-08	3.57E-04	1.13E-07	4.78E-08
5244	490863.09, 3865377.25	3.34E-04	1.05E-07	4.47E-08	3.41E-04	1.08E-07	4.57E-08	3.41E-04	1.07E-07	4.56E-08
5245	491363.09, 3865377.25	3.24E-04	1.02E-07	4.34E-08	3.30E-04	1.04E-07	4.43E-08	3.30E-04	1.04E-07	4.42E-08
5246	491863.09, 3865377.25	3.21E-04	1.01E-07	4.30E-08	3.28E-04	1.03E-07	4.39E-08	3.27E-04	1.03E-07	4.38E-08

5247	492363.09, 3865377.25	2.56E-04	8.07E-08	3.43E-08	2.61E-04	8.24E-08	3.49E-08	2.61E-04	8.23E-08	3.49E-08
5248	492863.09, 3865377.25	1.99E-04	6.28E-08	2.66E-08	2.03E-04	6.41E-08	2.72E-08	2.03E-04	6.40E-08	2.71E-08
5249	493363.09, 3865377.25	1.67E-04	5.27E-08	2.24E-08	1.70E-04	5.38E-08	2.28E-08	1.70E-04	5.37E-08	2.28E-08
5250	493863.09, 3865377.25	2.26E-04	7.12E-08	3.02E-08	2.30E-04	7.27E-08	3.08E-08	2.30E-04	7.26E-08	3.08E-08
5251	494363.09, 3865377.25	2.96E-04	9.34E-08	3.96E-08	3.02E-04	9.53E-08	4.04E-08	3.02E-04	9.52E-08	4.04E-08
5252	494863.09, 3865377.25	3.26E-04	1.03E-07	4.36E-08	3.32E-04	1.05E-07	4.45E-08	3.32E-04	1.05E-07	4.44E-08
5253	495363.09, 3865377.25	3.40E-04	1.07E-07	4.55E-08	3.47E-04	1.09E-07	4.64E-08	3.46E-04	1.09E-07	4.64E-08
5254	495863.09, 3865377.25	3.55E-04	1.12E-07	4.75E-08	3.62E-04	1.14E-07	4.85E-08	3.62E-04	1.14E-07	4.85E-08
5255	496363.09, 3865377.25	3.53E-04	1.11E-07	4.72E-08	3.60E-04	1.14E-07	4.82E-08	3.59E-04	1.13E-07	4.81E-08
5256	496863.09, 3865377.25	3.52E-04	1.11E-07	4.71E-08	3.59E-04	1.13E-07	4.80E-08	3.58E-04	1.13E-07	4.80E-08
5257	497363.09, 3865377.25	3.42E-04	1.08E-07	4.58E-08	3.49E-04	1.10E-07	4.67E-08	3.49E-04	1.10E-07	4.67E-08
5258	497863.09, 3865377.25	3.29E-04	1.04E-07	4.40E-08	3.36E-04	1.06E-07	4.49E-08	3.35E-04	1.06E-07	4.49E-08
5259	498363.09, 3865377.25	3.23E-04	1.02E-07	4.33E-08	3.30E-04	1.04E-07	4.42E-08	3.29E-04	1.04E-07	4.41E-08
5260	471363.09, 3865877.25	1.81E-04	5.72E-08	2.43E-08	1.85E-04	5.84E-08	2.48E-08	1.85E-04	5.83E-08	2.47E-08
5261	471863.09, 3865877.25	1.85E-04	5.84E-08	2.48E-08	1.89E-04	5.96E-08	2.53E-08	1.89E-04	5.95E-08	2.53E-08
5262	472363.09, 3865877.25	1.89E-04	5.97E-08	2.53E-08	1.93E-04	6.09E-08	2.58E-08	1.93E-04	6.09E-08	2.58E-08
5263	472863.09, 3865877.25	1.92E-04	6.06E-08	2.57E-08	1.96E-04	6.19E-08	2.63E-08	1.96E-04	6.18E-08	2.62E-08
5264	473363.09, 3865877.25	1.95E-04	6.16E-08	2.61E-08	1.99E-04	6.28E-08	2.67E-08	1.99E-04	6.27E-08	2.66E-08
5265	473863.09, 3865877.25	1.99E-04	6.28E-08	2.66E-08	2.03E-04	6.41E-08	2.72E-08	2.03E-04	6.40E-08	2.71E-08
5266	474363.09, 3865877.25	2.02E-04	6.39E-08	2.71E-08	2.07E-04	6.52E-08	2.77E-08	2.06E-04	6.51E-08	2.76E-08
5267	474863.09, 3865877.25	2.06E-04	6.51E-08	2.76E-08	2.10E-04	6.64E-08	2.82E-08	2.10E-04	6.64E-08	2.82E-08
5268	475363.09, 3865877.25	2.09E-04	6.60E-08	2.80E-08	2.13E-04	6.74E-08	2.86E-08	2.13E-04	6.73E-08	2.86E-08
5269	475863.09, 3865877.25	2.13E-04	6.71E-08	2.85E-08	2.17E-04	6.85E-08	2.91E-08	2.17E-04	6.84E-08	2.90E-08
5270	476363.09, 3865877.25	2.17E-04	6.86E-08	2.91E-08	2.22E-04	7.00E-08	2.97E-08	2.22E-04	7.00E-08	2.97E-08
5271	476863.09, 3865877.25	2.15E-04	6.78E-08	2.88E-08	2.19E-04	6.92E-08	2.94E-08	2.19E-04	6.91E-08	2.93E-08
5272	477363.09, 3865877.25	2.22E-04	7.01E-08	2.98E-08	2.27E-04	7.16E-08	3.04E-08	2.26E-04	7.15E-08	3.03E-08
5273	477863.09, 3865877.25	2.24E-04	7.06E-08	2.99E-08	2.28E-04	7.20E-08	3.06E-08	2.28E-04	7.19E-08	3.05E-08
5274	478363.09, 3865877.25	2.26E-04	7.13E-08	3.03E-08	2.31E-04	7.28E-08	3.09E-08	2.30E-04	7.27E-08	3.08E-08
5275	478863.09, 3865877.25	2.29E-04	7.22E-08	3.06E-08	2.33E-04	7.36E-08	3.12E-08	2.33E-04	7.36E-08	3.12E-08
5276	479363.09, 3865877.25	2.31E-04	7.30E-08	3.10E-08	2.36E-04	7.45E-08	3.16E-08	2.36E-04	7.44E-08	3.16E-08
5277	479863.09, 3865877.25	2.33E-04	7.35E-08	3.12E-08	2.38E-04	7.50E-08	3.18E-08	2.37E-04	7.49E-08	3.18E-08
5278	480363.09, 3865877.25	2.34E-04	7.39E-08	3.14E-08	2.39E-04	7.54E-08	3.20E-08	2.39E-04	7.54E-08	3.20E-08
5279	480863.09, 3865877.25	2.36E-04	7.46E-08	3.16E-08	2.41E-04	7.61E-08	3.23E-08	2.41E-04	7.60E-08	3.23E-08
5280	481363.09, 3865877.25	2.37E-04	7.50E-08	3.18E-08	2.42E-04	7.65E-08	3.25E-08	2.42E-04	7.64E-08	3.24E-08
5281	481863.09, 3865877.25	2.39E-04	7.53E-08	3.20E-08	2.44E-04	7.69E-08	3.26E-08	2.43E-04	7.68E-08	3.26E-08
5282	482363.09, 3865877.25	2.41E-04	7.60E-08	3.22E-08	2.46E-04	7.75E-08	3.29E-08	2.45E-04	7.74E-08	3.29E-08
5283	482863.09, 3865877.25	2.44E-04	7.71E-08	3.27E-08	2.49E-04	7.87E-08	3.34E-08	2.49E-04	7.86E-08	3.33E-08
5284	483363.09, 3865877.25	2.50E-04	7.90E-08	3.35E-08	2.55E-04	8.06E-08	3.42E-08	2.55E-04	8.05E-08	3.41E-08
5285	483863.09, 3865877.25	2.58E-04	8.14E-08	3.45E-08	2.63E-04	8.30E-08	3.52E-08	2.63E-04	8.29E-08	3.52E-08
5286	484363.09, 3865877.25	2.67E-04	8.43E-08	3.57E-08	2.72E-04	8.60E-08	3.65E-08	2.72E-04	8.59E-08	3.64E-08
5287	484863.09, 3865877.25	2.76E-04	8.71E-08	3.70E-08	2.82E-04	8.89E-08	3.77E-08	2.81E-04	8.88E-08	3.77E-08
5288	485363.09, 3865877.25	2.85E-04	9.00E-08	3.82E-08	2.91E-04	9.19E-08	3.90E-08	2.91E-04	9.18E-08	3.89E-08
5289	485863.09, 3865877.25	2.93E-04	9.26E-08	3.93E-08	2.99E-04	9.45E-08	4.01E-08	2.99E-04	9.44E-08	4.01E-08
5290	486363.09, 3865877.25	3.00E-04	9.48E-08	4.02E-08	3.06E-04	9.67E-08	4.10E-08	3.06E-04	9.66E-08	4.10E-08
5291	486863.09, 3865877.25	3.06E-04	9.67E-08	4.10E-08	3.13E-04	9.87E-08	4.19E-08	3.12E-04	9.86E-08	4.18E-08
5292	487363.09, 3865877.25	3.13E-04	9.89E-08	4.19E-08	3.20E-04	1.01E-07	4.28E-08	3.19E-04	1.01E-07	4.28E-08
5293	487863.09, 3865877.25	3.19E-04	1.01E-07	4.27E-08	3.25E-04	1.03E-07	4.36E-08	3.25E-04	1.03E-07	4.35E-08
5294	488363.09, 3865877.25	3.23E-04	1.02E-07	4.32E-08	3.29E-04	1.04E-07	4.41E-08	3.29E-04	1.04E-07	4.40E-08
5295	488863.09, 3865877.25	3.26E-04	1.03E-07	4.36E-08	3.33E-04	1.05E-07	4.45E-08	3.32E-04	1.05E-07	4.45E-08
5296	489363.09, 3865877.25	3.27E-04	1.03E-07	4.38E-08	3.34E-04	1.05E-07	4.47E-08	3.33E-04	1.05E-07	4.46E-08
5297	489863.09, 3865877.25	3.28E-04	1.03E-07	4.39E-08	3.34E-04	1.06E-07	4.48E-08	3.34E-04	1.05E-07	4.47E-08
5298	490363.09, 3865877.25	3.27E-04	1.03E-07	4.38E-08	3.34E-04	1.05E-07	4.47E-08	3.34E-04	1.05E-07	4.47E-08
5299	490863.09, 3865877.25	3.10E-04	9.78E-08	4.15E-08	3.16E-04	9.98E-08	4.24E-08	3.16E-04	9.97E-08	4.23E-08
5300	491363.09, 3865877.25	2.88E-04	9.09E-08	3.86E-08	2.94E-04	9.27E-08	3.93E-08	2.93E-04	9.26E-08	3.93E-08
5301	491863.09, 3865877.25	2.79E-04	8.82E-08	3.74E-08	2.85E-04	9.00E-08	3.82E-08	2.85E-04	8.99E-08	3.81E-08
5302	492363.09, 3865877.25	2.64E-04	8.34E-08	3.54E-08	2.70E-04	8.51E-08	3.61E-08	2.69E-04	8.50E-08	3.61E-08
5303	492863.09, 3865877.25	2.00E-04	6.32E-08	2.68E-08	2.04E-04	6.45E-08	2.74E-08	2.04E-04	6.45E-08	2.73E-08
5304	493363.09, 3865877.25	1.96E-04	6.18E-08	2.62E-08	2.00E-04	6.30E-08	2.67E-08	1.99E-04	6.29E-08	2.67E-08
5305	493863.09, 3865877.25	2.23E-04	7.04E-08	2.99E-08	2.28E-04	7.18E-08	3.05E-08	2.27E-04	7.18E-08	3.04E-08
5306	494363.09, 3865877.25	2.58E-04	8.14E-08	3.45E-08	2.63E-04	8.30E-08	3.52E-08	2.63E-04	8.29E-08	3.52E-08
5307	494863.09, 3865877.25	3.01E-04	9.51E-08	4.04E-08	3.08E-04	9.71E-08	4.12E-08	3.07E-04	9.70E-08	4.11E-08
5308	495363.09, 3865877.25	3.04E-04	9.59E-08	4.07E-08	3.10E-04	9.78E-08	4.15E-08	3.10E-04	9.77E-08	4.15E-08
5309	495863.09, 3865877.25	3.06E-04	9.66E-08	4.10E-08	3.12E-04	9.86E-08	4.18E-08	3.12E-04	9.85E-08	4.18E-08
5310	496363.09, 3865877.25	3.07E-04	9.70E-08	4.12E-08	3.14E-04	9.90E-08	4.20E-08	3.13E-04	9.89E-08	4.19E-08
5311	496863.09, 3865877.25	3.04E-04	9.59E-08	4.07E-08	3.10E-04	9.78E-08	4.15E-08	3.10E-04	9.77E-08	4.15E-08
5312	497363.09, 3865877.25	3.14E-04	9.90E-08	4.20E-08	3.20E-04	1.01E-07	4.29E-08	3.20E-04	1.01E-07	4.28E-08
5313	497863.09, 3865877.25	3.06E-04	9.64E-08	4.09E-08	3.12E-04	9.84E-08	4.18E-08	3.11E-04	9.83E-08	4.17E-08
5314	498363.09, 3865877.25	2.85E-04	9.00E-08	3.82E-08	2.91E-04	9.19E-08	3.90E-08	2.91E-04	9.18E-08	3.89E-08
5315	471363.09, 3866377.25	1.75E-04	5.53E-08	2.35E-08	1.79E-04	5.65E-08	2.40E-08	1.79E-04	5.64E-08	2.39E-08
5316	471863.09, 3866377.25	1.79E-04	5.65E-08	2.40E-08	1.83E-04	5.76E-08	2.44E-08	1.82E-04	5.75E-08	2.44E-08

5317	472363.09, 3866377.25	1.82E-04	5.76E-08	2.44E-08	1.86E-04	5.87E-08	2.49E-08	1.86E-04	5.87E-08	2.49E-08
5318	472863.09, 3866377.25	1.85E-04	5.83E-08	2.47E-08	1.89E-04	5.95E-08	2.52E-08	1.88E-04	5.94E-08	2.52E-08
5319	473363.09, 3866377.25	1.88E-04	5.94E-08	2.52E-08	1.92E-04	6.06E-08	2.57E-08	1.92E-04	6.06E-08	2.57E-08
5320	473863.09, 3866377.25	1.92E-04	6.05E-08	2.57E-08	1.96E-04	6.18E-08	2.62E-08	1.96E-04	6.17E-08	2.62E-08
5321	474363.09, 3866377.25	1.95E-04	6.17E-08	2.62E-08	1.99E-04	6.29E-08	2.67E-08	1.99E-04	6.28E-08	2.67E-08
5322	474863.09, 3866377.25	1.99E-04	6.27E-08	2.66E-08	2.03E-04	6.40E-08	2.71E-08	2.02E-04	6.39E-08	2.71E-08
5323	475363.09, 3866377.25	2.01E-04	6.34E-08	2.69E-08	2.05E-04	6.47E-08	2.75E-08	2.05E-04	6.46E-08	2.74E-08
5324	475863.09, 3866377.25	2.03E-04	6.41E-08	2.72E-08	2.07E-04	6.54E-08	2.77E-08	2.07E-04	6.53E-08	2.77E-08
5325	476363.09, 3866377.25	2.07E-04	6.54E-08	2.77E-08	2.11E-04	6.67E-08	2.83E-08	2.11E-04	6.66E-08	2.83E-08
5326	476863.09, 3866377.25	2.01E-04	6.35E-08	2.70E-08	2.05E-04	6.48E-08	2.75E-08	2.05E-04	6.47E-08	2.75E-08
5327	477363.09, 3866377.25	2.09E-04	6.60E-08	2.80E-08	2.13E-04	6.74E-08	2.86E-08	2.13E-04	6.73E-08	2.86E-08
5328	477863.09, 3866377.25	2.12E-04	6.70E-08	2.84E-08	2.16E-04	6.83E-08	2.90E-08	2.16E-04	6.82E-08	2.90E-08
5329	478363.09, 3866377.25	2.14E-04	6.74E-08	2.86E-08	2.18E-04	6.88E-08	2.92E-08	2.18E-04	6.87E-08	2.92E-08
5330	478863.09, 3866377.25	2.16E-04	6.82E-08	2.89E-08	2.20E-04	6.96E-08	2.95E-08	2.20E-04	6.95E-08	2.95E-08
5331	479363.09, 3866377.25	2.18E-04	6.88E-08	2.92E-08	2.23E-04	7.02E-08	2.98E-08	2.22E-04	7.01E-08	2.98E-08
5332	479863.09, 3866377.25	2.20E-04	6.93E-08	2.94E-08	2.24E-04	7.07E-08	3.00E-08	2.24E-04	7.06E-08	3.00E-08
5333	480363.09, 3866377.25	2.21E-04	6.97E-08	2.96E-08	2.25E-04	7.11E-08	3.02E-08	2.25E-04	7.10E-08	3.01E-08
5334	480863.09, 3866377.25	2.21E-04	6.98E-08	2.96E-08	2.26E-04	7.13E-08	3.02E-08	2.26E-04	7.12E-08	3.02E-08
5335	481363.09, 3866377.25	2.22E-04	7.02E-08	2.98E-08	2.27E-04	7.16E-08	3.04E-08	2.27E-04	7.16E-08	3.04E-08
5336	481863.09, 3866377.25	2.24E-04	7.06E-08	2.99E-08	2.28E-04	7.20E-08	3.06E-08	2.28E-04	7.19E-08	3.05E-08
5337	482363.09, 3866377.25	2.27E-04	7.15E-08	3.03E-08	2.31E-04	7.30E-08	3.10E-08	2.31E-04	7.29E-08	3.09E-08
5338	482863.09, 3866377.25	2.31E-04	7.30E-08	3.10E-08	2.36E-04	7.45E-08	3.16E-08	2.36E-04	7.44E-08	3.16E-08
5339	483363.09, 3866377.25	2.36E-04	7.46E-08	3.16E-08	2.41E-04	7.61E-08	3.23E-08	2.41E-04	7.60E-08	3.23E-08
5340	483863.09, 3866377.25	2.43E-04	7.66E-08	3.25E-08	2.48E-04	7.82E-08	3.32E-08	2.47E-04	7.81E-08	3.31E-08
5341	484363.09, 3866377.25	2.50E-04	7.90E-08	3.35E-08	2.55E-04	8.06E-08	3.42E-08	2.55E-04	8.05E-08	3.41E-08
5342	484863.09, 3866377.25	2.59E-04	8.17E-08	3.47E-08	2.64E-04	8.34E-08	3.54E-08	2.64E-04	8.33E-08	3.54E-08
5343	485363.09, 3866377.25	2.66E-04	8.41E-08	3.57E-08	2.72E-04	8.58E-08	3.64E-08	2.71E-04	8.57E-08	3.64E-08
5344	485863.09, 3866377.25	2.73E-04	8.61E-08	3.65E-08	2.78E-04	8.79E-08	3.73E-08	2.78E-04	8.78E-08	3.72E-08
5345	486363.09, 3866377.25	2.78E-04	8.79E-08	3.73E-08	2.84E-04	8.97E-08	3.81E-08	2.84E-04	8.96E-08	3.80E-08
5346	486863.09, 3866377.25	2.84E-04	8.96E-08	3.80E-08	2.90E-04	9.14E-08	3.88E-08	2.89E-04	9.13E-08	3.87E-08
5347	487363.09, 3866377.25	2.92E-04	9.23E-08	3.91E-08	2.98E-04	9.41E-08	3.99E-08	2.98E-04	9.40E-08	3.99E-08
5348	487863.09, 3866377.25	2.97E-04	9.37E-08	3.98E-08	3.03E-04	9.57E-08	4.06E-08	3.03E-04	9.55E-08	4.05E-08
5349	488363.09, 3866377.25	3.00E-04	9.46E-08	4.01E-08	3.06E-04	9.65E-08	4.09E-08	3.05E-04	9.64E-08	4.09E-08
5350	488863.09, 3866377.25	2.97E-04	9.37E-08	3.98E-08	3.03E-04	9.57E-08	4.06E-08	3.03E-04	9.55E-08	4.05E-08
5351	489363.09, 3866377.25	2.91E-04	9.20E-08	3.90E-08	2.97E-04	9.39E-08	3.98E-08	2.97E-04	9.37E-08	3.98E-08
5352	489863.09, 3866377.25	2.80E-04	8.83E-08	3.74E-08	2.85E-04	9.01E-08	3.82E-08	2.85E-04	9.00E-08	3.82E-08
5353	490363.09, 3866377.25	2.97E-04	9.37E-08	3.97E-08	3.03E-04	9.56E-08	4.05E-08	3.02E-04	9.55E-08	4.05E-08
5354	490863.09, 3866377.25	2.94E-04	9.27E-08	3.93E-08	3.00E-04	9.46E-08	4.01E-08	2.99E-04	9.45E-08	4.01E-08
5355	491363.09, 3866377.25	2.88E-04	9.09E-08	3.86E-08	2.94E-04	9.27E-08	3.93E-08	2.93E-04	9.26E-08	3.93E-08
5356	491863.09, 3866377.25	2.43E-04	7.65E-08	3.25E-08	2.47E-04	7.81E-08	3.31E-08	2.47E-04	7.80E-08	3.31E-08
5357	492363.09, 3866377.25	2.46E-04	7.77E-08	3.30E-08	2.51E-04	7.93E-08	3.37E-08	2.51E-04	7.92E-08	3.36E-08
5358	492863.09, 3866377.25	2.17E-04	6.86E-08	2.91E-08	2.22E-04	7.00E-08	2.97E-08	2.22E-04	7.00E-08	2.97E-08
5359	493363.09, 3866377.25	2.27E-04	7.17E-08	3.04E-08	2.32E-04	7.32E-08	3.10E-08	2.32E-04	7.31E-08	3.10E-08
5360	493863.09, 3866377.25	2.41E-04	7.62E-08	3.23E-08	2.46E-04	7.77E-08	3.30E-08	2.46E-04	7.76E-08	3.29E-08
5361	494363.09, 3866377.25	2.62E-04	8.28E-08	3.51E-08	2.68E-04	8.45E-08	3.58E-08	2.67E-04	8.44E-08	3.58E-08
5362	494863.09, 3866377.25	2.61E-04	8.23E-08	3.49E-08	2.66E-04	8.40E-08	3.56E-08	2.66E-04	8.39E-08	3.56E-08
5363	495363.09, 3866377.25	2.59E-04	8.17E-08	3.46E-08	2.64E-04	8.33E-08	3.54E-08	2.64E-04	8.32E-08	3.53E-08
5364	495863.09, 3866377.25	2.56E-04	8.07E-08	3.43E-08	2.61E-04	8.24E-08	3.49E-08	2.61E-04	8.23E-08	3.49E-08
5365	496363.09, 3866377.25	2.60E-04	8.21E-08	3.48E-08	2.66E-04	8.38E-08	3.56E-08	2.65E-04	8.37E-08	3.55E-08
5366	496863.09, 3866377.25	2.57E-04	8.11E-08	3.44E-08	2.62E-04	8.28E-08	3.51E-08	2.62E-04	8.27E-08	3.51E-08
5367	497363.09, 3866377.25	2.63E-04	8.30E-08	3.52E-08	2.68E-04	8.47E-08	3.59E-08	2.68E-04	8.46E-08	3.59E-08
5368	497863.09, 3866377.25	2.74E-04	8.64E-08	3.67E-08	2.79E-04	8.82E-08	3.74E-08	2.79E-04	8.81E-08	3.74E-08
5369	498363.09, 3866377.25	2.39E-04	7.54E-08	3.20E-08	2.44E-04	7.70E-08	3.27E-08	2.44E-04	7.69E-08	3.26E-08
5370	474494.92, 3848334.16	8.93E-02	2.82E-05	1.20E-05	9.12E-02	2.88E-05	1.22E-05	9.10E-02	2.87E-05	1.22E-05
5371	475167.27, 3848920.79	9.91E-02	3.13E-05	1.33E-05	1.01E-01	3.19E-05	1.35E-05	1.01E-01	3.19E-05	1.35E-05
5372	475297.89, 3848997.96	1.02E-01	3.21E-05	1.36E-05	1.04E-01	3.27E-05	1.39E-05	1.04E-01	3.27E-05	1.39E-05
5373	475439.05, 3849062	1.01E-01	3.19E-05	1.35E-05	1.03E-01	3.26E-05	1.38E-05	1.03E-01	3.25E-05	1.38E-05
5374	475486.86, 3849061.09	7.90E-02	2.49E-05	1.06E-05	8.07E-02	2.55E-05	1.08E-05	8.06E-02	2.54E-05	1.08E-05
5375	475538.46, 3849075.56	7.82E-02	2.47E-05	1.05E-05	7.98E-02	2.52E-05	1.07E-05	7.97E-02	2.51E-05	1.07E-05
5376	475751.79, 3849137.15	1.05E-01	3.30E-05	1.40E-05	1.07E-01	3.37E-05	1.43E-05	1.07E-01	3.37E-05	1.43E-05
5377	476303.62, 3849223.38	1.19E-01	3.77E-05	1.60E-05	1.22E-01	3.84E-05	1.63E-05	1.22E-01	3.84E-05	1.63E-05
5378	476304.51, 3849238.92	1.14E-01	3.59E-05	1.52E-05	1.16E-01	3.67E-05	1.56E-05	1.16E-01	3.66E-05	1.55E-05
5379	476365.04, 3849247.98	1.11E-01	3.52E-05	1.49E-05	1.14E-01	3.59E-05	1.52E-05	1.14E-01	3.58E-05	1.52E-05
5380	476444.86, 3849267.13	1.15E-01	3.62E-05	1.53E-05	1.17E-01	3.69E-05	1.57E-05	1.17E-01	3.69E-05	1.56E-05
5381	476550.75, 3849300.66	1.22E-01	3.86E-05	1.64E-05	1.25E-01	3.94E-05	1.67E-05	1.25E-01	3.94E-05	1.67E-05
5382	476656.71, 3849346.88	1.25E-01	3.95E-05	1.68E-05	1.28E-01	4.04E-05	1.71E-05	1.28E-01	4.03E-05	1.71E-05
5383	476873.55, 3849454.53	1.14E-01	3.61E-05	1.53E-05	1.17E-01	3.69E-05	1.56E-05	1.17E-01	3.68E-05	1.56E-05
5384	477700, 3849859.7	8.08E-02	2.55E-05	1.08E-05	8.25E-02	2.60E-05	1.10E-05	8.24E-02	2.60E-05	1.10E-05
5385	477743.16, 3849856.38	1.13E-01	3.58E-05	1.52E-05	1.16E-01	3.65E-05	1.55E-05	1.16E-01	3.65E-05	1.55E-05
5386	478477.35, 3850216.33	1.05E-01	3.32E-05	1.41E-05	1.07E-01	3.39E-05	1.44E-05	1.07E-01	3.39E-05	1.44E-05

5387	478485.8, 3850201.6	9.78E-02	3.09E-05	1.31E-05	9.98E-02	3.15E-05	1.34E-05	9.96E-02	3.14E-05	1.33E-05
5388	479113.21, 3850501.53	9.09E-02	2.87E-05	1.22E-05	9.28E-02	2.93E-05	1.24E-05	9.27E-02	2.93E-05	1.24E-05
5389	479108.11, 3850382.28	4.46E-02	1.41E-05	5.97E-06	4.55E-02	1.44E-05	6.09E-06	4.54E-02	1.43E-05	6.08E-06
5390	479689.85, 3850674.28	4.73E-02	1.49E-05	6.33E-06	4.83E-02	1.52E-05	6.46E-06	4.82E-02	1.52E-05	6.46E-06
5391	479952.42, 3850774.28	4.22E-02	1.33E-05	5.66E-06	4.31E-02	1.36E-05	5.77E-06	4.31E-02	1.36E-05	5.77E-06
5392	479911.32, 3850884.85	9.20E-02	2.90E-05	1.23E-05	9.39E-02	2.96E-05	1.26E-05	9.38E-02	2.96E-05	1.26E-05
5393	480500.92, 3851178.12	9.87E-02	3.11E-05	1.32E-05	1.01E-01	3.18E-05	1.35E-05	1.01E-01	3.17E-05	1.35E-05
5394	480738.01, 3851289.27	9.46E-02	2.98E-05	1.27E-05	9.65E-02	3.05E-05	1.29E-05	9.64E-02	3.04E-05	1.29E-05
5395	481055.42, 3851443.58	9.45E-02	2.98E-05	1.27E-05	9.65E-02	3.04E-05	1.29E-05	9.63E-02	3.04E-05	1.29E-05
5396	481110.22, 3851443.15	7.32E-02	2.31E-05	9.80E-06	7.47E-02	2.36E-05	1.00E-05	7.46E-02	2.35E-05	9.99E-06
5397	481111.1, 3851417.45	6.17E-02	1.95E-05	8.27E-06	6.30E-02	1.99E-05	8.44E-06	6.29E-02	1.99E-05	8.43E-06
5398	482248.44, 3852605.09	9.02E-02	2.85E-05	1.21E-05	9.21E-02	2.91E-05	1.23E-05	9.20E-02	2.90E-05	1.23E-05
5399	482273.34, 3852632.31	9.33E-02	2.94E-05	1.25E-05	9.52E-02	3.00E-05	1.27E-05	9.50E-02	3.00E-05	1.27E-05
5400	482665.46, 3853038.72	7.72E-02	2.44E-05	1.03E-05	7.87E-02	2.49E-05	1.05E-05	7.86E-02	2.48E-05	1.05E-05
5401	483077.95, 3853844.31	3.79E-03	1.20E-06	5.07E-07	3.87E-03	1.22E-06	5.18E-07	3.86E-03	1.22E-06	5.17E-07
5402	483121.38, 3853909.38	3.37E-03	1.06E-06	4.52E-07	3.44E-03	1.09E-06	4.61E-07	3.44E-03	1.09E-06	4.60E-07
5403	483492.64, 3853911.49	3.33E-03	1.05E-06	4.46E-07	3.40E-03	1.07E-06	4.55E-07	3.40E-03	1.07E-06	4.55E-07
5404	483498.29, 3854204.73	2.35E-03	7.41E-07	3.14E-07	2.39E-03	7.56E-07	3.21E-07	2.39E-03	7.55E-07	3.20E-07
5405	484132.44, 3854662.55	1.38E-03	4.37E-07	1.85E-07	1.41E-03	4.46E-07	1.89E-07	1.41E-03	4.45E-07	1.89E-07
5406	484627.62, 3854876.13	1.33E-03	4.21E-07	1.79E-07	1.36E-03	4.30E-07	1.82E-07	1.36E-03	4.29E-07	1.82E-07
5407	484756.14, 3854949.04	1.32E-03	4.16E-07	1.77E-07	1.35E-03	4.25E-07	1.80E-07	1.34E-03	4.24E-07	1.80E-07
5408	486697.51, 3856599.17	8.89E-04	2.81E-07	1.19E-07	9.07E-04	2.86E-07	1.21E-07	9.06E-04	2.86E-07	1.21E-07
5409	487105.31, 3856962.27	9.10E-04	2.87E-07	1.22E-07	9.29E-04	2.93E-07	1.24E-07	9.28E-04	2.93E-07	1.24E-07
5410	487157.57, 3856901.7	9.12E-04	2.88E-07	1.22E-07	9.31E-04	2.94E-07	1.25E-07	9.30E-04	2.93E-07	1.24E-07
5411	487173.5, 3856853.74	9.09E-04	2.87E-07	1.22E-07	9.27E-04	2.93E-07	1.24E-07	9.26E-04	2.92E-07	1.24E-07
5412	487564.41, 3856860.83	9.03E-04	2.85E-07	1.21E-07	9.21E-04	2.91E-07	1.23E-07	9.20E-04	2.90E-07	1.23E-07
5413	487563.31, 3856931.58	9.11E-04	2.87E-07	1.22E-07	9.29E-04	2.93E-07	1.24E-07	9.28E-04	2.93E-07	1.24E-07
5414	487782.7, 3856926.85	9.18E-04	2.90E-07	1.23E-07	9.37E-04	2.96E-07	1.25E-07	9.36E-04	2.95E-07	1.25E-07
5415	487782.39, 3856757.07	9.06E-04	2.86E-07	1.21E-07	9.25E-04	2.92E-07	1.24E-07	9.24E-04	2.92E-07	1.24E-07
5416	487917.26, 3856752.41	9.11E-04	2.87E-07	1.22E-07	9.29E-04	2.93E-07	1.24E-07	9.28E-04	2.93E-07	1.24E-07
5417	487919.57, 3856953.35	9.29E-04	2.93E-07	1.24E-07	9.48E-04	2.99E-07	1.27E-07	9.47E-04	2.99E-07	1.27E-07
5418	487932.76, 3857000.32	9.32E-04	2.94E-07	1.25E-07	9.51E-04	3.00E-07	1.27E-07	9.50E-04	3.00E-07	1.27E-07
5419	487960.5, 3857044.75	9.37E-04	2.96E-07	1.26E-07	9.56E-04	3.02E-07	1.28E-07	9.55E-04	3.02E-07	1.28E-07
5420	488016.54, 3857089.54	9.44E-04	2.98E-07	1.26E-07	9.64E-04	3.04E-07	1.29E-07	9.63E-04	3.04E-07	1.29E-07
5421	488114.39, 3857165.47	9.60E-04	3.03E-07	1.29E-07	9.80E-04	3.09E-07	1.31E-07	9.78E-04	3.09E-07	1.31E-07
5422	488171.49, 3857234.24	9.78E-04	3.09E-07	1.31E-07	9.98E-04	3.15E-07	1.34E-07	9.96E-04	3.15E-07	1.33E-07
5423	488193.16, 3857297.8	9.97E-04	3.15E-07	1.34E-07	1.02E-03	3.21E-07	1.36E-07	1.02E-03	3.21E-07	1.36E-07
5424	488189.27, 3857649.94	1.14E-03	3.59E-07	1.52E-07	1.16E-03	3.67E-07	1.56E-07	1.16E-03	3.66E-07	1.55E-07
5425	488127.43, 3857732.32	1.17E-03	3.70E-07	1.57E-07	1.20E-03	3.78E-07	1.60E-07	1.20E-03	3.77E-07	1.60E-07
5426	488149.93, 3857752.94	1.19E-03	3.74E-07	1.59E-07	1.21E-03	3.82E-07	1.62E-07	1.21E-03	3.81E-07	1.62E-07
5427	488144.76, 3857758.71	1.19E-03	3.75E-07	1.59E-07	1.21E-03	3.82E-07	1.62E-07	1.21E-03	3.82E-07	1.62E-07
5428	488335.58, 3857932.55	1.36E-03	4.30E-07	1.82E-07	1.39E-03	4.39E-07	1.86E-07	1.39E-03	4.38E-07	1.86E-07
5429	488372.29, 3857943.79	1.38E-03	4.36E-07	1.85E-07	1.41E-03	4.45E-07	1.89E-07	1.41E-03	4.44E-07	1.88E-07
5430	488828.64, 3857936.4	1.42E-03	4.50E-07	1.91E-07	1.45E-03	4.59E-07	1.95E-07	1.45E-03	4.58E-07	1.94E-07
5431	488829.08, 3857959.58	1.45E-03	4.56E-07	1.94E-07	1.48E-03	4.66E-07	1.98E-07	1.47E-03	4.65E-07	1.97E-07
5432	488351.61, 3857964.55	1.40E-03	4.41E-07	1.87E-07	1.43E-03	4.50E-07	1.91E-07	1.42E-03	4.49E-07	1.91E-07
5433	488316.87, 3857947.65	1.37E-03	4.33E-07	1.84E-07	1.40E-03	4.42E-07	1.87E-07	1.40E-03	4.41E-07	1.87E-07
5434	488129.1, 3857775.77	1.19E-03	3.77E-07	1.60E-07	1.22E-03	3.85E-07	1.63E-07	1.22E-03	3.84E-07	1.63E-07
5435	488062.53, 3857846.13	1.23E-03	3.88E-07	1.65E-07	1.25E-03	3.96E-07	1.68E-07	1.25E-03	3.95E-07	1.68E-07
5436	488330.41, 3858091.34	1.51E-03	4.77E-07	2.02E-07	1.54E-03	4.87E-07	2.07E-07	1.54E-03	4.86E-07	2.06E-07
5437	488470.87, 3858174.45	1.69E-03	5.34E-07	2.27E-07	1.73E-03	5.45E-07	2.31E-07	1.73E-03	5.45E-07	2.31E-07
5438	488568.9, 3858262.31	1.89E-03	5.97E-07	2.53E-07	1.93E-03	6.10E-07	2.59E-07	1.93E-03	6.09E-07	2.58E-07
5439	488964.27, 3858025.71	1.52E-03	4.81E-07	2.04E-07	1.55E-03	4.90E-07	2.08E-07	1.55E-03	4.90E-07	2.08E-07
5440	489147.25, 3857956.64	1.41E-03	4.45E-07	1.89E-07	1.44E-03	4.55E-07	1.93E-07	1.44E-03	4.54E-07	1.93E-07
5441	489343.52, 3857932.45	1.31E-03	4.12E-07	1.75E-07	1.33E-03	4.21E-07	1.78E-07	1.33E-03	4.20E-07	1.78E-07
5442	489866.19, 3857923.19	1.19E-03	3.77E-07	1.60E-07	1.22E-03	3.85E-07	1.63E-07	1.22E-03	3.84E-07	1.63E-07
5443	489955.65, 3857902.27	1.16E-03	3.66E-07	1.55E-07	1.18E-03	3.73E-07	1.58E-07	1.18E-03	3.73E-07	1.58E-07
5444	490079.44, 3857847.9	1.13E-03	3.57E-07	1.51E-07	1.15E-03	3.64E-07	1.54E-07	1.15E-03	3.64E-07	1.54E-07
5445	490108.49, 3857934.13	1.19E-03	3.76E-07	1.59E-07	1.22E-03	3.83E-07	1.63E-07	1.21E-03	3.83E-07	1.63E-07
5446	489884.48, 3858014.17	1.28E-03	4.05E-07	1.72E-07	1.31E-03	4.14E-07	1.76E-07	1.31E-03	4.13E-07	1.75E-07
5447	489326.56, 3858025.86	1.42E-03	4.49E-07	1.90E-07	1.45E-03	4.58E-07	1.94E-07	1.45E-03	4.57E-07	1.94E-07
5448	489130.38, 3858056.71	1.52E-03	4.78E-07	2.03E-07	1.55E-03	4.88E-07	2.07E-07	1.54E-03	4.87E-07	2.07E-07
5449	488936.49, 3858143.93	1.69E-03	5.32E-07	2.26E-07	1.72E-03	5.43E-07	2.30E-07	1.72E-03	5.42E-07	2.30E-07
5450	488638.08, 3858327.45	2.06E-03	6.49E-07	2.76E-07	2.10E-03	6.63E-07	2.81E-07	2.10E-03	6.62E-07	2.81E-07
5451	488663.79, 3858349.57	2.12E-03	6.70E-07	2.84E-07	2.17E-03	6.83E-07	2.90E-07	2.16E-03	6.83E-07	2.90E-07
5452	488694.56, 3858349.5	2.13E-03	6.71E-07	2.85E-07	2.17E-03	6.85E-07	2.91E-07	2.17E-03	6.84E-07	2.90E-07
5453	488694.35, 3858336.75	2.09E-03	6.60E-07	2.80E-07	2.13E-03	6.73E-07	2.86E-07	2.13E-03	6.73E-07	2.85E-07
5454	488712.81, 3858336.38	2.09E-03	6.61E-07	2.80E-07	2.14E-03	6.74E-07	2.86E-07	2.13E-03	6.73E-07	2.86E-07
5455	488713.23, 3858367.46	2.18E-03	6.90E-07	2.93E-07	2.23E-03	7.04E-07	2.99E-07	2.23E-03	7.03E-07	2.98E-07
5456	488704.63, 3858384.05	2.24E-03	7.06E-07	2.99E-07	2.28E-03	7.20E-07	3.05E-07	2.28E-03	7.19E-07	3.05E-07

5457	488604.15, 3858488.29	2.59E-03	8.17E-07	3.47E-07	2.64E-03	8.34E-07	3.54E-07	2.64E-03	8.33E-07	3.53E-07
5458	488605.66, 3858550.47	2.87E-03	9.06E-07	3.85E-07	2.93E-03	9.25E-07	3.92E-07	2.93E-03	9.24E-07	3.92E-07
5459	488692.68, 3858548.71	2.97E-03	9.37E-07	3.97E-07	3.03E-03	9.56E-07	4.06E-07	3.02E-03	9.55E-07	4.05E-07
5460	488759.93, 3858461.81	2.55E-03	8.04E-07	3.41E-07	2.60E-03	8.20E-07	3.48E-07	2.60E-03	8.19E-07	3.48E-07
5461	488816.57, 3858541.79	3.00E-03	9.47E-07	4.02E-07	3.06E-03	9.66E-07	4.10E-07	3.06E-03	9.65E-07	4.09E-07
5462	488944.63, 3858656.77	4.06E-03	1.28E-06	5.44E-07	4.15E-03	1.31E-06	5.55E-07	4.14E-03	1.31E-06	5.55E-07
5463	489134.91, 3858830.7	1.30E-02	4.09E-06	1.73E-06	1.32E-02	4.17E-06	1.77E-06	1.32E-02	4.17E-06	1.77E-06
5464	489193.99, 3858886.05	2.05E-02	6.46E-06	2.74E-06	2.09E-02	6.59E-06	2.80E-06	2.09E-02	6.58E-06	2.79E-06
5465	489295.2, 3858954.34	2.72E-02	8.58E-06	3.64E-06	2.77E-02	8.75E-06	3.71E-06	2.77E-02	8.74E-06	3.71E-06
5466	489295.64, 3858992.74	3.45E-02	1.09E-05	4.62E-06	3.52E-02	1.11E-05	4.71E-06	3.51E-02	1.11E-05	4.71E-06
5467	489183.74, 3858911.72	2.60E-02	8.19E-06	3.48E-06	2.65E-02	8.36E-06	3.55E-06	2.65E-02	8.35E-06	3.54E-06
5468	488873.37, 3858625.59	3.71E-03	1.17E-06	4.96E-07	3.78E-03	1.19E-06	5.07E-07	3.78E-03	1.19E-06	5.06E-07
5469	488842.84, 3858658.69	4.08E-03	1.29E-06	5.46E-07	4.16E-03	1.31E-06	5.58E-07	4.16E-03	1.31E-06	5.57E-07
5470	488856.39, 3858670.93	4.26E-03	1.34E-06	5.70E-07	4.34E-03	1.37E-06	5.82E-07	4.34E-03	1.37E-06	5.81E-07
5471	488805.7, 3858724.5	5.14E-03	1.62E-06	6.88E-07	5.25E-03	1.66E-06	7.03E-07	5.24E-03	1.65E-06	7.02E-07
5472	488805.87, 3858804.16	7.97E-03	2.51E-06	1.07E-06	8.13E-03	2.57E-06	1.09E-06	8.12E-03	2.56E-06	1.09E-06
5473	488995.78, 3858936.96	7.31E-02	2.31E-05	9.79E-06	7.46E-02	2.35E-05	9.99E-06	7.45E-02	2.35E-05	9.98E-06
5474	489130.76, 3859017.38	8.20E-02	2.59E-05	1.10E-05	8.37E-02	2.64E-05	1.12E-05	8.36E-02	2.64E-05	1.12E-05
5475	489130.92, 3859052.24	7.25E-02	2.29E-05	9.71E-06	7.40E-02	2.33E-05	9.90E-06	7.39E-02	2.33E-05	9.89E-06
5476	489200.33, 3859090.6	9.23E-02	2.91E-05	1.24E-05	9.41E-02	2.97E-05	1.26E-05	9.40E-02	2.97E-05	1.26E-05
5477	489296.07, 3859143.7	9.94E-02	3.14E-05	1.33E-05	1.01E-01	3.20E-05	1.36E-05	1.01E-01	3.20E-05	1.36E-05
5478	489296.43, 3858954.74	2.72E-02	8.58E-06	3.64E-06	2.77E-02	8.75E-06	3.71E-06	2.77E-02	8.74E-06	3.71E-06
5479	489410.33, 3859033.19	3.22E-02	1.02E-05	4.32E-06	3.29E-02	1.04E-05	4.41E-06	3.29E-02	1.04E-05	4.40E-06
5480	489371.37, 3859089.8	4.96E-02	1.57E-05	6.65E-06	5.06E-02	1.60E-05	6.78E-06	5.06E-02	1.60E-05	6.77E-06
5481	489390.52, 3859102.82	5.06E-02	1.60E-05	6.78E-06	5.17E-02	1.63E-05	6.92E-06	5.16E-02	1.63E-05	6.91E-06
5482	489382.3, 3859114.53	5.65E-02	1.78E-05	7.56E-06	5.76E-02	1.82E-05	7.72E-06	5.76E-02	1.82E-05	7.71E-06
5483	489363.04, 3859102.45	5.57E-02	1.76E-05	7.45E-06	5.68E-02	1.79E-05	7.61E-06	5.67E-02	1.79E-05	7.60E-06
5484	489337.52, 3859140.71	8.58E-02	2.71E-05	1.15E-05	8.75E-02	2.76E-05	1.17E-05	8.74E-02	2.76E-05	1.17E-05
5485	489375.14, 3859164.55	9.05E-02	2.86E-05	1.21E-05	9.24E-02	2.92E-05	1.24E-05	9.23E-02	2.91E-05	1.24E-05
5486	489409.3, 3859114.5	5.14E-02	1.62E-05	6.88E-06	5.24E-02	1.65E-05	7.02E-06	5.23E-02	1.65E-05	7.01E-06
5487	489434.87, 3859131.81	5.30E-02	1.67E-05	7.09E-06	5.40E-02	1.71E-05	7.24E-06	5.40E-02	1.70E-05	7.23E-06
5488	489471.87, 3859075.75	3.45E-02	1.09E-05	4.62E-06	3.52E-02	1.11E-05	4.72E-06	3.52E-02	1.11E-05	4.71E-06
5489	489602.62, 3859164.69	3.95E-02	1.25E-05	5.30E-06	4.04E-02	1.27E-05	5.40E-06	4.03E-02	1.27E-05	5.40E-06
5490	489558.29, 3859232.45	7.02E-02	2.22E-05	9.41E-06	7.17E-02	2.26E-05	9.60E-06	7.16E-02	2.26E-05	9.59E-06
5491	489620.11, 3859273.56	7.55E-02	2.38E-05	1.01E-05	7.71E-02	2.43E-05	1.03E-05	7.70E-02	2.43E-05	1.03E-05
5492	489666.06, 3859206.42	4.18E-02	1.32E-05	5.60E-06	4.26E-02	1.35E-05	5.71E-06	4.26E-02	1.34E-05	5.70E-06
5493	489787.9, 3859285.65	4.58E-02	1.44E-05	6.13E-06	4.67E-02	1.47E-05	6.26E-06	4.67E-02	1.47E-05	6.25E-06
5494	489752.17, 3859343.13	7.53E-02	2.38E-05	1.01E-05	7.68E-02	2.43E-05	1.03E-05	7.68E-02	2.42E-05	1.03E-05
5495	489814.94, 3859385.33	8.12E-02	2.56E-05	1.09E-05	8.29E-02	2.62E-05	1.11E-05	8.28E-02	2.61E-05	1.11E-05
5496	489853.42, 3859330.74	4.86E-02	1.53E-05	6.51E-06	4.96E-02	1.57E-05	6.64E-06	4.95E-02	1.56E-05	6.63E-06
5497	489969.5, 3859401.91	5.16E-02	1.63E-05	6.91E-06	5.26E-02	1.66E-05	7.05E-06	5.26E-02	1.66E-05	7.04E-06
5498	490166.91, 3859486.96	4.79E-02	1.51E-05	6.41E-06	4.89E-02	1.54E-05	6.54E-06	4.88E-02	1.54E-05	6.54E-06
5499	490128.86, 3859571.46	1.11E-01	3.51E-05	1.49E-05	1.14E-01	3.58E-05	1.52E-05	1.13E-01	3.58E-05	1.52E-05
5500	490186.65, 3859593.65	1.13E-01	3.57E-05	1.52E-05	1.15E-01	3.64E-05	1.55E-05	1.15E-01	3.64E-05	1.54E-05
5501	490223.74, 3859517.48	4.96E-02	1.56E-05	6.64E-06	5.06E-02	1.60E-05	6.77E-06	5.05E-02	1.59E-05	6.77E-06
5502	490846.34, 3859817.22	7.34E-02	2.32E-05	9.83E-06	7.49E-02	2.36E-05	1.00E-05	7.48E-02	2.36E-05	1.00E-05
5503	490925.65, 3859844.59	6.81E-02	2.15E-05	9.12E-06	6.95E-02	2.19E-05	9.30E-06	6.94E-02	2.19E-05	9.29E-06
5504	491159.29, 3859896.28	4.94E-02	1.56E-05	6.62E-06	5.05E-02	1.59E-05	6.76E-06	5.04E-02	1.59E-05	6.75E-06
5505	491370.69, 3859960.89	3.71E-02	1.17E-05	4.96E-06	3.78E-02	1.19E-05	5.07E-06	3.78E-02	1.19E-05	5.06E-06
5506	491330.28, 3860063.17	5.85E-02	1.85E-05	7.84E-06	5.97E-02	1.88E-05	8.00E-06	5.96E-02	1.88E-05	7.99E-06
5507	491636.45, 3860180.75	3.72E-02	1.17E-05	4.98E-06	3.79E-02	1.20E-05	5.08E-06	3.79E-02	1.20E-05	5.07E-06
5508	491617.94, 3860203.93	4.20E-02	1.33E-05	5.62E-06	4.29E-02	1.35E-05	5.74E-06	4.28E-02	1.35E-05	5.73E-06
5509	491805.68, 3860271.59	3.27E-02	1.03E-05	4.38E-06	3.34E-02	1.05E-05	4.47E-06	3.34E-02	1.05E-05	4.47E-06
5510	491654.23, 3860414.02	5.70E-02	1.80E-05	7.63E-06	5.81E-02	1.83E-05	7.78E-06	5.81E-02	1.83E-05	7.77E-06
5511	491592.62, 3860510.76	1.94E-02	6.14E-06	2.60E-06	1.98E-02	6.26E-06	2.66E-06	1.98E-02	6.25E-06	2.65E-06
5512	491475.41, 3860368.93	2.99E-02	9.44E-06	4.01E-06	3.05E-02	9.64E-06	4.09E-06	3.05E-02	9.63E-06	4.08E-06
5513	491445.61, 3860337.28	3.28E-02	1.03E-05	4.39E-06	3.35E-02	1.06E-05	4.48E-06	3.34E-02	1.05E-05	4.47E-06
5514	491399.05, 3860300.37	3.44E-02	1.09E-05	4.60E-06	3.51E-02	1.11E-05	4.70E-06	3.50E-02	1.11E-05	4.69E-06
5515	491228.84, 3860235.98	2.32E-02	7.33E-06	3.11E-06	2.37E-02	7.48E-06	3.18E-06	2.37E-02	7.48E-06	3.17E-06
5516	491228.47, 3860174.57	3.66E-02	1.16E-05	4.91E-06	3.74E-02	1.18E-05	5.01E-06	3.73E-02	1.18E-05	5.00E-06
5517	491145.77, 3860112.55	3.77E-02	1.19E-05	5.04E-06	3.84E-02	1.21E-05	5.15E-06	3.84E-02	1.21E-05	5.14E-06
5518	490844.41, 3859966.22	3.59E-02	1.13E-05	4.81E-06	3.66E-02	1.16E-05	4.91E-06	3.66E-02	1.16E-05	4.90E-06
5519	490845.55, 3859928.15	5.71E-02	1.80E-05	7.65E-06	5.83E-02	1.84E-05	7.80E-06	5.82E-02	1.84E-05	7.79E-06
5520	490046.91, 3859625.6	4.40E-02	1.39E-05	5.89E-06	4.49E-02	1.42E-05	6.02E-06	4.49E-02	1.42E-05	6.01E-06
5521	489970.48, 3859589.4	4.40E-02	1.39E-05	5.90E-06	4.49E-02	1.42E-05	6.02E-06	4.49E-02	1.42E-05	6.01E-06
5522	489865.89, 3859529.06	4.68E-02	1.48E-05	6.27E-06	4.78E-02	1.51E-05	6.40E-06	4.77E-02	1.51E-05	6.39E-06
5523	489826.89, 3859531.74	3.61E-02	1.14E-05	4.83E-06	3.68E-02	1.16E-05	4.93E-06	3.68E-02	1.16E-05	4.92E-06
5524	489410.47, 3859303.06	3.47E-02	1.10E-05	4.65E-06	3.54E-02	1.12E-05	4.75E-06	3.54E-02	1.12E-05	4.74E-06
5525	489407.15, 3859286.09	4.09E-02	1.29E-05	5.48E-06	4.18E-02	1.32E-05	5.59E-06	4.17E-02	1.32E-05	5.59E-06
5526	488806.07, 3858963.62	1.64E-02	5.17E-06	2.19E-06	1.67E-02	5.27E-06	2.24E-06	1.67E-02	5.27E-06	2.23E-06

5527 488817.64, 3859546.3	4.97E-03	1.57E-06	6.65E-07	5.07E-03	1.60E-06	6.79E-07	5.06E-03	1.60E-06	6.78E-07
5528 489187.25, 3859549.52	7.76E-03	2.45E-06	1.04E-06	7.92E-03	2.50E-06	1.06E-06	7.91E-03	2.50E-06	1.06E-06
5529 489187.66, 3859523.74	8.18E-03	2.58E-06	1.10E-06	8.35E-03	2.64E-06	1.12E-06	8.34E-03	2.63E-06	1.12E-06
5530 489232.59, 3859522.85	8.80E-03	2.78E-06	1.18E-06	8.98E-03	2.83E-06	1.20E-06	8.96E-03	2.83E-06	1.20E-06
5531 489224.98, 3859759.91	5.70E-03	1.80E-06	7.63E-07	5.81E-03	1.84E-06	7.79E-07	5.81E-03	1.83E-06	7.78E-07
5532 488401.39, 3859763.34	2.74E-03	8.64E-07	3.67E-07	2.79E-03	8.82E-07	3.74E-07	2.79E-03	8.80E-07	3.74E-07
5533 488405.51, 3859966.16	2.44E-03	7.69E-07	3.26E-07	2.49E-03	7.85E-07	3.33E-07	2.48E-03	7.84E-07	3.33E-07
5534 489202.85, 3859956.57	4.37E-03	1.38E-06	5.86E-07	4.46E-03	1.41E-06	5.98E-07	4.46E-03	1.41E-06	5.97E-07
5535 489191.9, 3860676.74	2.25E-03	7.10E-07	3.01E-07	2.29E-03	7.24E-07	3.07E-07	2.29E-03	7.23E-07	3.07E-07
5536 488392.82, 3860687.88	1.66E-03	5.24E-07	2.22E-07	1.69E-03	5.34E-07	2.27E-07	1.69E-03	5.34E-07	2.26E-07
5537 488392.82, 3860760.27	1.61E-03	5.09E-07	2.16E-07	1.64E-03	5.19E-07	2.20E-07	1.64E-03	5.18E-07	2.20E-07
5538 487549.05, 3860777.45	1.16E-03	3.66E-07	1.55E-07	1.18E-03	3.74E-07	1.59E-07	1.18E-03	3.73E-07	1.58E-07
5539 487554.62, 3859571.83	1.65E-03	5.20E-07	2.20E-07	1.68E-03	5.30E-07	2.25E-07	1.68E-03	5.30E-07	2.25E-07
5540 485949.46, 3859558.54	8.62E-04	2.72E-07	1.15E-07	8.80E-04	2.78E-07	1.18E-07	8.79E-04	2.77E-07	1.18E-07
5541 485947.55, 3857943.61	8.71E-04	2.75E-07	1.17E-07	8.89E-04	2.81E-07	1.19E-07	8.88E-04	2.80E-07	1.19E-07
5542 484738.38, 3857940.21	7.75E-04	2.45E-07	1.04E-07	7.91E-04	2.50E-07	1.06E-07	7.90E-04	2.49E-07	1.06E-07
5543 484737.06, 3857535.68	7.71E-04	2.43E-07	1.03E-07	7.87E-04	2.48E-07	1.05E-07	7.86E-04	2.48E-07	1.05E-07
5544 483730.2, 3857530.13	7.44E-04	2.35E-07	9.96E-08	7.59E-04	2.40E-07	1.02E-07	7.58E-04	2.39E-07	1.02E-07
5545 483727.27, 3857130.01	7.66E-04	2.42E-07	1.03E-07	7.82E-04	2.47E-07	1.05E-07	7.81E-04	2.47E-07	1.05E-07
5546 483124.42, 3857123.45	7.51E-04	2.37E-07	1.01E-07	7.66E-04	2.42E-07	1.03E-07	7.66E-04	2.42E-07	1.03E-07
5547 483111.13, 3855921.03	9.82E-04	3.10E-07	1.32E-07	1.00E-03	3.16E-07	1.34E-07	1.00E-03	3.16E-07	1.34E-07
5548 482701.73, 3855918.24	9.74E-04	3.07E-07	1.30E-07	9.94E-04	3.14E-07	1.33E-07	9.93E-04	3.13E-07	1.33E-07
5549 482668.02, 3853521.78	9.81E-03	3.10E-06	1.31E-06	1.00E-02	3.16E-06	1.34E-06	1.00E-02	3.15E-06	1.34E-06
5550 482579.91, 3853219.19	1.97E-02	6.20E-06	2.63E-06	2.01E-02	6.33E-06	2.69E-06	2.00E-02	6.32E-06	2.68E-06
5551 482434.06, 3852961.94	2.69E-02	8.50E-06	3.61E-06	2.75E-02	8.67E-06	3.68E-06	2.74E-02	8.66E-06	3.68E-06
5552 482332.11, 3852832.85	3.11E-02	9.82E-06	4.16E-06	3.17E-02	1.00E-05	4.25E-06	3.17E-02	1.00E-05	4.24E-06
5553 481334.99, 3851818.96	3.12E-02	9.83E-06	4.17E-06	3.18E-02	1.00E-05	4.26E-06	3.18E-02	1.00E-05	4.25E-06
5554 481127.62, 3851646.36	3.28E-02	1.04E-05	4.40E-06	3.35E-02	1.06E-05	4.49E-06	3.35E-02	1.06E-05	4.48E-06
5555 481025.04, 3851591.73	3.07E-02	9.69E-06	4.11E-06	3.13E-02	9.89E-06	4.19E-06	3.13E-02	9.87E-06	4.19E-06
5556 480513.6, 3851335.76	3.08E-02	9.71E-06	4.12E-06	3.14E-02	9.90E-06	4.20E-06	3.13E-02	9.89E-06	4.20E-06
5557 480523.56, 3851317.66	3.61E-02	1.14E-05	4.84E-06	3.69E-02	1.16E-05	4.94E-06	3.68E-02	1.16E-05	4.93E-06
5558 476921.56, 3849569.11	3.82E-02	1.21E-05	5.12E-06	3.90E-02	1.23E-05	5.22E-06	3.90E-02	1.23E-05	5.22E-06
5559 476521.19, 3849373.96	5.09E-02	1.61E-05	6.82E-06	5.20E-02	1.64E-05	6.96E-06	5.19E-02	1.64E-05	6.95E-06
5560 476391.45, 3849333.38	5.22E-02	1.65E-05	6.99E-06	5.32E-02	1.68E-05	7.13E-06	5.32E-02	1.68E-05	7.12E-06
5561 476219.41, 3849304.29	4.98E-02	1.57E-05	6.67E-06	5.08E-02	1.60E-05	6.81E-06	5.08E-02	1.60E-05	6.80E-06
5562 475679.11, 3849218.47	4.39E-02	1.38E-05	5.87E-06	4.48E-02	1.41E-05	5.99E-06	4.47E-02	1.41E-05	5.99E-06
5563 475677.71, 3849233.88	3.62E-02	1.14E-05	4.85E-06	3.69E-02	1.17E-05	4.95E-06	3.69E-02	1.16E-05	4.94E-06
5564 475492.74, 3849204.66	2.30E-02	7.27E-06	3.08E-06	2.35E-02	7.42E-06	3.15E-06	2.35E-02	7.41E-06	3.14E-06
5565 475497.64, 3849158.75	5.62E-02	1.77E-05	7.53E-06	5.73E-02	1.81E-05	7.68E-06	5.73E-02	1.81E-05	7.67E-06
5566 475391.35, 3849141.94	3.84E-02	1.21E-05	5.14E-06	3.92E-02	1.24E-05	5.24E-06	3.91E-02	1.23E-05	5.24E-06
5567 475277, 3849095.47	3.31E-02	1.04E-05	4.43E-06	3.38E-02	1.07E-05	4.52E-06	3.37E-02	1.06E-05	4.52E-06
5568 475183.93, 3849025.66	3.81E-02	1.20E-05	5.10E-06	3.89E-02	1.23E-05	5.21E-06	3.88E-02	1.23E-05	5.20E-06
5569 474453.23, 3848378.77	4.34E-02	1.37E-05	5.81E-06	4.43E-02	1.40E-05	5.93E-06	4.43E-02	1.40E-05	5.93E-06
5570 474569.63, 3848399.34	8.30E-02	2.62E-05	1.11E-05	8.47E-02	2.67E-05	1.13E-05	8.46E-02	2.67E-05	1.13E-05
5571 474644.33, 3848464.52	7.67E-02	2.42E-05	1.03E-05	7.82E-02	2.47E-05	1.05E-05	7.81E-02	2.47E-05	1.05E-05
5572 474719.04, 3848529.7	9.98E-02	3.15E-05	1.34E-05	1.02E-01	3.22E-05	1.36E-05	1.02E-01	3.21E-05	1.36E-05
5573 474793.74, 3848594.88	8.53E-02	2.69E-05	1.14E-05	8.71E-02	2.75E-05	1.17E-05	8.70E-02	2.75E-05	1.16E-05
5574 474868.45, 3848660.07	9.88E-02	3.12E-05	1.32E-05	1.01E-01	3.18E-05	1.35E-05	1.01E-01	3.18E-05	1.35E-05
5575 474943.15, 3848725.25	9.85E-02	3.11E-05	1.32E-05	1.00E-01	3.17E-05	1.35E-05	1.00E-01	3.17E-05	1.34E-05
5576 475017.86, 3848790.43	9.92E-02	3.13E-05	1.33E-05	1.01E-01	3.20E-05	1.36E-05	1.01E-01	3.19E-05	1.35E-05
5577 475092.56, 3848855.61	9.92E-02	3.13E-05	1.33E-05	1.01E-01	3.20E-05	1.36E-05	1.01E-01	3.19E-05	1.35E-05
5578 475232.58, 3848959.38	9.56E-02	3.02E-05	1.28E-05	9.76E-02	3.08E-05	1.31E-05	9.74E-02	3.08E-05	1.30E-05
5579 475368.47, 3849029.98	9.78E-02	3.09E-05	1.31E-05	9.98E-02	3.15E-05	1.34E-05	9.96E-02	3.15E-05	1.33E-05
5580 475609.57, 3849096.09	8.23E-02	2.60E-05	1.10E-05	8.40E-02	2.65E-05	1.13E-05	8.39E-02	2.65E-05	1.12E-05
5581 475680.68, 3849116.62	9.12E-02	2.88E-05	1.22E-05	9.30E-02	2.94E-05	1.25E-05	9.29E-02	2.93E-05	1.24E-05
5582 475843.76, 3849151.52	1.09E-01	3.44E-05	1.46E-05	1.11E-01	3.51E-05	1.49E-05	1.11E-01	3.51E-05	1.49E-05
5583 475935.73, 3849165.89	1.05E-01	3.30E-05	1.40E-05	1.07E-01	3.37E-05	1.43E-05	1.07E-01	3.36E-05	1.43E-05
5584 476027.71, 3849180.27	1.06E-01	3.34E-05	1.42E-05	1.08E-01	3.41E-05	1.45E-05	1.08E-01	3.41E-05	1.45E-05
5585 476119.68, 3849194.64	1.19E-01	3.77E-05	1.60E-05	1.22E-01	3.85E-05	1.63E-05	1.22E-01	3.84E-05	1.63E-05
5586 476211.65, 3849209.01	1.24E-01	3.92E-05	1.66E-05	1.27E-01	4.00E-05	1.70E-05	1.27E-01	4.00E-05	1.70E-05
5587 476497.81, 3849283.9	1.16E-01	3.65E-05	1.55E-05	1.18E-01	3.73E-05	1.58E-05	1.18E-01	3.72E-05	1.58E-05
5588 476603.73, 3849323.77	1.24E-01	3.90E-05	1.66E-05	1.26E-01	3.98E-05	1.69E-05	1.26E-01	3.98E-05	1.69E-05
5589 476728.99, 3849382.76	9.63E-02	3.04E-05	1.29E-05	9.83E-02	3.10E-05	1.32E-05	9.81E-02	3.10E-05	1.31E-05
5590 476801.27, 3849418.65	1.01E-01	3.19E-05	1.35E-05	1.03E-01	3.26E-05	1.38E-05	1.03E-01	3.25E-05	1.38E-05
5591 476956.2, 3849495.05	1.10E-01	3.47E-05	1.47E-05	1.12E-01	3.54E-05	1.50E-05	1.12E-01	3.53E-05	1.50E-05
5592 477038.84, 3849535.56	1.03E-01	3.25E-05	1.38E-05	1.05E-01	3.32E-05	1.41E-05	1.05E-01	3.32E-05	1.41E-05
5593 477121.49, 3849576.08	1.01E-01	3.19E-05	1.35E-05	1.03E-01	3.26E-05	1.38E-05	1.03E-01	3.25E-05	1.38E-05
5594 477204.13, 3849616.6	9.85E-02	3.11E-05	1.32E-05	1.00E-01	3.17E-05	1.35E-05	1.00E-01	3.17E-05	1.34E-05
5595 477286.78, 3849657.12	9.20E-02	2.90E-05	1.23E-05	9.38E-02	2.96E-05	1.26E-05	9.37E-02	2.96E-05	1.26E-05
5596 477369.42, 3849697.63	8.94E-02	2.82E-05	1.20E-05	9.12E-02	2.88E-05	1.22E-05	9.11E-02	2.87E-05	1.22E-05

5597	477452.07, 3849738.15	9.10E-02	2.87E-05	1.22E-05	9.28E-02	2.93E-05	1.24E-05	9.27E-02	2.93E-05	1.24E-05
5598	477534.71, 3849778.67	8.71E-02	2.75E-05	1.17E-05	8.89E-02	2.81E-05	1.19E-05	8.88E-02	2.80E-05	1.19E-05
5599	477617.36, 3849819.18	8.67E-02	2.74E-05	1.16E-05	8.84E-02	2.79E-05	1.18E-05	8.83E-02	2.79E-05	1.18E-05
5600	477824.74, 3849896.37	1.09E-01	3.44E-05	1.46E-05	1.11E-01	3.51E-05	1.49E-05	1.11E-01	3.51E-05	1.49E-05
5601	477906.31, 3849936.37	1.17E-01	3.69E-05	1.56E-05	1.19E-01	3.76E-05	1.60E-05	1.19E-01	3.76E-05	1.59E-05
5602	477987.89, 3849976.36	1.14E-01	3.58E-05	1.52E-05	1.16E-01	3.66E-05	1.55E-05	1.16E-01	3.65E-05	1.55E-05
5603	478069.47, 3850016.36	1.18E-01	3.73E-05	1.58E-05	1.20E-01	3.80E-05	1.61E-05	1.20E-01	3.80E-05	1.61E-05
5604	478151.04, 3850056.35	1.06E-01	3.33E-05	1.41E-05	1.08E-01	3.40E-05	1.44E-05	1.08E-01	3.39E-05	1.44E-05
5605	478232.62, 3850096.35	1.06E-01	3.35E-05	1.42E-05	1.08E-01	3.41E-05	1.45E-05	1.08E-01	3.41E-05	1.45E-05
5606	478314.2, 3850136.34	1.06E-01	3.34E-05	1.42E-05	1.08E-01	3.41E-05	1.44E-05	1.08E-01	3.40E-05	1.44E-05
5607	478395.77, 3850176.34	1.05E-01	3.32E-05	1.41E-05	1.07E-01	3.38E-05	1.44E-05	1.07E-01	3.38E-05	1.43E-05
5608	478575.43, 3850244.45	9.63E-02	3.04E-05	1.29E-05	9.83E-02	3.10E-05	1.32E-05	9.81E-02	3.10E-05	1.31E-05
5609	478665.06, 3850287.29	9.56E-02	3.02E-05	1.28E-05	9.76E-02	3.08E-05	1.31E-05	9.75E-02	3.08E-05	1.31E-05
5610	478754.69, 3850330.14	9.47E-02	2.99E-05	1.27E-05	9.66E-02	3.05E-05	1.29E-05	9.65E-02	3.05E-05	1.29E-05
5611	478844.32, 3850372.99	9.25E-02	2.92E-05	1.24E-05	9.44E-02	2.98E-05	1.26E-05	9.43E-02	2.98E-05	1.26E-05
5612	478933.95, 3850415.84	8.95E-02	2.82E-05	1.20E-05	9.13E-02	2.88E-05	1.22E-05	9.12E-02	2.88E-05	1.22E-05
5613	479023.58, 3850458.68	9.27E-02	2.93E-05	1.24E-05	9.46E-02	2.99E-05	1.27E-05	9.45E-02	2.98E-05	1.27E-05
5614	479110.66, 3850441.91	5.87E-02	1.85E-05	7.86E-06	5.99E-02	1.89E-05	8.02E-06	5.98E-02	1.89E-05	8.01E-06
5615	479191.22, 3850423.99	4.47E-02	1.41E-05	5.99E-06	4.56E-02	1.44E-05	6.11E-06	4.56E-02	1.44E-05	6.10E-06
5616	479274.32, 3850465.71	4.54E-02	1.43E-05	6.08E-06	4.64E-02	1.46E-05	6.21E-06	4.63E-02	1.46E-05	6.20E-06
5617	479357.43, 3850507.42	4.64E-02	1.46E-05	6.21E-06	4.73E-02	1.49E-05	6.34E-06	4.73E-02	1.49E-05	6.33E-06
5618	479440.53, 3850549.14	4.66E-02	1.47E-05	6.24E-06	4.76E-02	1.50E-05	6.37E-06	4.75E-02	1.50E-05	6.36E-06
5619	479523.64, 3850590.85	4.67E-02	1.47E-05	6.26E-06	4.77E-02	1.50E-05	6.39E-06	4.76E-02	1.50E-05	6.38E-06
5620	479606.74, 3850632.57	4.71E-02	1.49E-05	6.30E-06	4.80E-02	1.52E-05	6.43E-06	4.80E-02	1.51E-05	6.43E-06
5621	479777.37, 3850707.61	4.53E-02	1.43E-05	6.07E-06	4.63E-02	1.46E-05	6.19E-06	4.62E-02	1.46E-05	6.19E-06
5622	479864.9, 3850740.95	4.38E-02	1.38E-05	5.86E-06	4.47E-02	1.41E-05	5.98E-06	4.46E-02	1.41E-05	5.97E-06
5623	479931.87, 3850829.57	5.72E-02	1.80E-05	7.66E-06	5.83E-02	1.84E-05	7.81E-06	5.83E-02	1.84E-05	7.80E-06
5624	479995.55, 3850926.75	9.13E-02	2.88E-05	1.22E-05	9.32E-02	2.94E-05	1.25E-05	9.30E-02	2.94E-05	1.25E-05
5625	480079.78, 3850968.64	9.11E-02	2.88E-05	1.22E-05	9.30E-02	2.93E-05	1.25E-05	9.29E-02	2.93E-05	1.24E-05
5626	480164.01, 3851010.54	9.07E-02	2.86E-05	1.21E-05	9.26E-02	2.92E-05	1.24E-05	9.25E-02	2.92E-05	1.24E-05
5627	480248.23, 3851052.43	8.98E-02	2.83E-05	1.20E-05	9.16E-02	2.89E-05	1.23E-05	9.15E-02	2.89E-05	1.23E-05
5628	480332.46, 3851094.33	9.09E-02	2.87E-05	1.22E-05	9.27E-02	2.93E-05	1.24E-05	9.26E-02	2.92E-05	1.24E-05
5629	480416.69, 3851136.22	9.55E-02	3.02E-05	1.28E-05	9.75E-02	3.08E-05	1.31E-05	9.74E-02	3.07E-05	1.30E-05
5630	480579.95, 3851215.17	9.76E-02	3.08E-05	1.31E-05	9.95E-02	3.14E-05	1.33E-05	9.94E-02	3.14E-05	1.33E-05
5631	480658.98, 3851252.22	9.66E-02	3.05E-05	1.29E-05	9.85E-02	3.11E-05	1.32E-05	9.84E-02	3.11E-05	1.32E-05
5632	480817.36, 3851327.85	9.54E-02	3.01E-05	1.28E-05	9.74E-02	3.07E-05	1.30E-05	9.73E-02	3.07E-05	1.30E-05
5633	480896.72, 3851366.43	9.59E-02	3.03E-05	1.28E-05	9.79E-02	3.09E-05	1.31E-05	9.78E-02	3.09E-05	1.31E-05
5634	480976.07, 3851405	9.57E-02	3.02E-05	1.28E-05	9.77E-02	3.08E-05	1.31E-05	9.76E-02	3.08E-05	1.31E-05
5635	481178, 3851487.31	7.20E-02	2.27E-05	9.64E-06	7.34E-02	2.32E-05	9.83E-06	7.33E-02	2.31E-05	9.82E-06
5636	481244.9, 3851557.17	7.96E-02	2.51E-05	1.07E-05	8.13E-02	2.56E-05	1.09E-05	8.12E-02	2.56E-05	1.09E-05
5637	481311.81, 3851627.03	8.82E-02	2.78E-05	1.18E-05	9.00E-02	2.84E-05	1.21E-05	8.99E-02	2.84E-05	1.20E-05
5638	481378.71, 3851696.89	8.99E-02	2.84E-05	1.20E-05	9.18E-02	2.90E-05	1.23E-05	9.16E-02	2.89E-05	1.23E-05
5639	481445.61, 3851766.76	9.40E-02	2.97E-05	1.26E-05	9.59E-02	3.03E-05	1.28E-05	9.58E-02	3.02E-05	1.28E-05
5640	481512.51, 3851836.62	9.45E-02	2.98E-05	1.27E-05	9.64E-02	3.04E-05	1.29E-05	9.63E-02	3.04E-05	1.29E-05
5641	481579.42, 3851906.48	9.35E-02	2.95E-05	1.25E-05	9.54E-02	3.01E-05	1.28E-05	9.53E-02	3.01E-05	1.28E-05
5642	481646.32, 3851976.34	9.34E-02	2.95E-05	1.25E-05	9.53E-02	3.01E-05	1.28E-05	9.52E-02	3.01E-05	1.28E-05
5643	481713.22, 3852046.2	9.27E-02	2.93E-05	1.24E-05	9.46E-02	2.99E-05	1.27E-05	9.45E-02	2.98E-05	1.27E-05
5644	481780.12, 3852116.06	9.31E-02	2.94E-05	1.25E-05	9.50E-02	3.00E-05	1.27E-05	9.49E-02	2.99E-05	1.27E-05
5645	481847.03, 3852185.92	9.31E-02	2.94E-05	1.25E-05	9.50E-02	3.00E-05	1.27E-05	9.49E-02	3.00E-05	1.27E-05
5646	481913.93, 3852255.78	9.25E-02	2.92E-05	1.24E-05	9.44E-02	2.98E-05	1.26E-05	9.43E-02	2.98E-05	1.26E-05
5647	481980.83, 3852325.65	8.78E-02	2.77E-05	1.18E-05	8.96E-02	2.83E-05	1.20E-05	8.95E-02	2.82E-05	1.20E-05
5648	482047.73, 3852395.51	8.95E-02	2.82E-05	1.20E-05	9.13E-02	2.88E-05	1.22E-05	9.12E-02	2.88E-05	1.22E-05
5649	482114.64, 3852465.37	8.61E-02	2.72E-05	1.15E-05	8.79E-02	2.77E-05	1.18E-05	8.78E-02	2.77E-05	1.18E-05
5650	482181.54, 3852535.23	8.92E-02	2.82E-05	1.19E-05	9.10E-02	2.87E-05	1.22E-05	9.09E-02	2.87E-05	1.22E-05
5651	482338.69, 3852700.05	9.07E-02	2.86E-05	1.21E-05	9.26E-02	2.92E-05	1.24E-05	9.25E-02	2.92E-05	1.24E-05
5652	482404.05, 3852767.78	9.02E-02	2.85E-05	1.21E-05	9.20E-02	2.90E-05	1.23E-05	9.19E-02	2.90E-05	1.23E-05
5653	482469.4, 3852835.52	9.12E-02	2.88E-05	1.22E-05	9.31E-02	2.94E-05	1.25E-05	9.29E-02	2.93E-05	1.24E-05
5654	482534.75, 3852903.25	9.05E-02	2.86E-05	1.21E-05	9.23E-02	2.91E-05	1.24E-05	9.22E-02	2.91E-05	1.24E-05
5655	482600.11, 3852970.99	8.41E-02	2.65E-05	1.13E-05	8.58E-02	2.71E-05	1.15E-05	8.57E-02	2.71E-05	1.15E-05
5656	482706.71, 3853119.28	7.85E-02	2.48E-05	1.05E-05	8.02E-02	2.53E-05	1.07E-05	8.01E-02	2.53E-05	1.07E-05
5657	482747.96, 3853199.84	7.95E-02	2.51E-05	1.06E-05	8.11E-02	2.56E-05	1.09E-05	8.10E-02	2.56E-05	1.09E-05
5658	482789.21, 3853280.4	7.36E-02	2.32E-05	9.85E-06	7.51E-02	2.37E-05	1.01E-05	7.50E-02	2.37E-05	1.00E-05
5659	482830.46, 3853360.96	6.63E-02	2.09E-05	8.88E-06	6.77E-02	2.14E-05	9.06E-06	6.76E-02	2.13E-05	9.05E-06
5660	482871.71, 3853441.52	5.54E-02	1.75E-05	7.42E-06	5.65E-02	1.78E-05	7.57E-06	5.64E-02	1.78E-05	7.56E-06
5661	482912.95, 3853522.07	1.54E-02	4.86E-06	2.06E-06	1.57E-02	4.96E-06	2.10E-06	1.57E-02	4.95E-06	2.10E-06
5662	482954.2, 3853602.63	7.93E-03	2.50E-06	1.06E-06	8.09E-03	2.55E-06	1.08E-06	8.08E-03	2.55E-06	1.08E-06
5663	482995.45, 3853683.19	5.71E-03	1.80E-06	7.64E-07	5.82E-03	1.84E-06	7.80E-07	5.82E-03	1.84E-06	7.79E-07
5664	483036.7, 3853763.75	4.56E-03	1.44E-06	6.11E-07	4.65E-03	1.47E-06	6.23E-07	4.65E-03	1.47E-06	6.22E-07
5665	483214.2, 3853909.91	3.31E-03	1.04E-06	4.43E-07	3.37E-03	1.06E-06	4.52E-07	3.37E-03	1.06E-06	4.51E-07
5666	483307.01, 3853910.44	3.35E-03	1.06E-06	4.49E-07	3.42E-03	1.08E-06	4.58E-07	3.42E-03	1.08E-06	4.57E-07

5667	483399.83, 3853910.96	3.34E-03	1.05E-06	4.47E-07	3.41E-03	1.08E-06	4.56E-07	3.40E-03	1.07E-06	4.56E-07
5668	483494.52, 3854009.24	2.93E-03	9.26E-07	3.93E-07	2.99E-03	9.45E-07	4.01E-07	2.99E-03	9.44E-07	4.01E-07
5669	483496.41, 3854106.98	2.63E-03	8.29E-07	3.52E-07	2.68E-03	8.46E-07	3.59E-07	2.68E-03	8.45E-07	3.59E-07
5670	483577.56, 3854261.96	2.19E-03	6.90E-07	2.93E-07	2.23E-03	7.04E-07	2.99E-07	2.23E-03	7.03E-07	2.98E-07
5671	483656.83, 3854319.19	2.04E-03	6.43E-07	2.73E-07	2.08E-03	6.56E-07	2.78E-07	2.08E-03	6.55E-07	2.78E-07
5672	483736.1, 3854376.41	1.90E-03	5.99E-07	2.54E-07	1.94E-03	6.11E-07	2.59E-07	1.93E-03	6.10E-07	2.59E-07
5673	483815.37, 3854433.64	1.77E-03	5.59E-07	2.37E-07	1.81E-03	5.70E-07	2.42E-07	1.80E-03	5.69E-07	2.42E-07
5674	483894.63, 3854490.87	1.65E-03	5.20E-07	2.21E-07	1.68E-03	5.31E-07	2.25E-07	1.68E-03	5.30E-07	2.25E-07
5675	483973.9, 3854548.1	1.54E-03	4.86E-07	2.06E-07	1.57E-03	4.96E-07	2.10E-07	1.57E-03	4.95E-07	2.10E-07
5676	484053.17, 3854605.32	1.46E-03	4.61E-07	1.96E-07	1.49E-03	4.71E-07	2.00E-07	1.49E-03	4.70E-07	1.99E-07
5677	484214.97, 3854698.15	1.37E-03	4.33E-07	1.84E-07	1.40E-03	4.42E-07	1.88E-07	1.40E-03	4.42E-07	1.87E-07
5678	484297.5, 3854733.74	1.38E-03	4.35E-07	1.84E-07	1.41E-03	4.44E-07	1.88E-07	1.40E-03	4.43E-07	1.88E-07
5679	484380.03, 3854769.34	1.36E-03	4.28E-07	1.82E-07	1.38E-03	4.37E-07	1.85E-07	1.38E-03	4.36E-07	1.85E-07
5680	484462.56, 3854804.94	1.36E-03	4.28E-07	1.82E-07	1.38E-03	4.37E-07	1.85E-07	1.38E-03	4.36E-07	1.85E-07
5681	484545.09, 3854840.53	1.33E-03	4.20E-07	1.78E-07	1.36E-03	4.28E-07	1.82E-07	1.36E-03	4.28E-07	1.82E-07
5682	484691.88, 3854912.59	1.33E-03	4.19E-07	1.78E-07	1.36E-03	4.28E-07	1.81E-07	1.35E-03	4.27E-07	1.81E-07
5683	484830.81, 3855012.51	1.30E-03	4.10E-07	1.74E-07	1.33E-03	4.19E-07	1.78E-07	1.32E-03	4.18E-07	1.77E-07
5684	484905.48, 3855075.97	1.29E-03	4.08E-07	1.73E-07	1.32E-03	4.16E-07	1.76E-07	1.32E-03	4.15E-07	1.76E-07
5685	484980.14, 3855139.44	1.27E-03	4.01E-07	1.70E-07	1.30E-03	4.09E-07	1.74E-07	1.30E-03	4.09E-07	1.73E-07
5686	485054.81, 3855202.91	1.24E-03	3.92E-07	1.66E-07	1.27E-03	4.00E-07	1.70E-07	1.27E-03	4.00E-07	1.70E-07
5687	485129.48, 3855266.37	1.21E-03	3.80E-07	1.61E-07	1.23E-03	3.88E-07	1.65E-07	1.23E-03	3.88E-07	1.64E-07
5688	485204.15, 3855329.84	1.19E-03	3.75E-07	1.59E-07	1.21E-03	3.83E-07	1.62E-07	1.21E-03	3.82E-07	1.62E-07
5689	485278.82, 3855393.31	1.16E-03	3.67E-07	1.56E-07	1.19E-03	3.74E-07	1.59E-07	1.18E-03	3.74E-07	1.59E-07
5690	485353.48, 3855456.77	1.14E-03	3.60E-07	1.53E-07	1.17E-03	3.68E-07	1.56E-07	1.16E-03	3.67E-07	1.56E-07
5691	485428.15, 3855520.24	1.12E-03	3.53E-07	1.50E-07	1.14E-03	3.60E-07	1.53E-07	1.14E-03	3.60E-07	1.53E-07
5692	485502.82, 3855583.71	1.10E-03	3.46E-07	1.47E-07	1.12E-03	3.53E-07	1.50E-07	1.12E-03	3.53E-07	1.50E-07
5693	485577.49, 3855647.17	1.08E-03	3.41E-07	1.45E-07	1.10E-03	3.48E-07	1.48E-07	1.10E-03	3.48E-07	1.48E-07
5694	485652.16, 3855710.64	1.07E-03	3.37E-07	1.43E-07	1.09E-03	3.44E-07	1.46E-07	1.09E-03	3.43E-07	1.46E-07
5695	485726.83, 3855774.11	1.05E-03	3.31E-07	1.40E-07	1.07E-03	3.38E-07	1.43E-07	1.07E-03	3.37E-07	1.43E-07
5696	485801.49, 3855837.57	1.03E-03	3.25E-07	1.38E-07	1.05E-03	3.32E-07	1.41E-07	1.05E-03	3.31E-07	1.41E-07
5697	485876.16, 3855901.04	1.01E-03	3.20E-07	1.36E-07	1.03E-03	3.27E-07	1.39E-07	1.03E-03	3.26E-07	1.38E-07
5698	485950.83, 3855964.5	9.98E-04	3.15E-07	1.34E-07	1.02E-03	3.21E-07	1.36E-07	1.02E-03	3.21E-07	1.36E-07
5699	486025.5, 3856027.97	9.80E-04	3.09E-07	1.31E-07	1.00E-03	3.16E-07	1.34E-07	9.99E-04	3.15E-07	1.34E-07
5700	486100.17, 3856091.44	9.74E-04	3.07E-07	1.30E-07	9.93E-04	3.14E-07	1.33E-07	9.92E-04	3.13E-07	1.33E-07
5701	486174.83, 3856154.9	9.57E-04	3.02E-07	1.28E-07	9.76E-04	3.08E-07	1.31E-07	9.75E-04	3.08E-07	1.31E-07
5702	486249.5, 3856218.37	9.33E-04	2.94E-07	1.25E-07	9.52E-04	3.00E-07	1.27E-07	9.51E-04	3.00E-07	1.27E-07
5703	486324.17, 3856281.84	9.11E-04	2.87E-07	1.22E-07	9.29E-04	2.93E-07	1.24E-07	9.28E-04	2.93E-07	1.24E-07
5704	486398.84, 3856345.3	9.04E-04	2.85E-07	1.21E-07	9.23E-04	2.91E-07	1.24E-07	9.22E-04	2.91E-07	1.23E-07
5705	486473.51, 3856408.77	8.95E-04	2.82E-07	1.20E-07	9.13E-04	2.88E-07	1.22E-07	9.12E-04	2.88E-07	1.22E-07
5706	486548.17, 3856472.24	8.91E-04	2.81E-07	1.19E-07	9.10E-04	2.87E-07	1.22E-07	9.08E-04	2.87E-07	1.22E-07
5707	486622.84, 3856535.7	8.89E-04	2.81E-07	1.19E-07	9.07E-04	2.86E-07	1.21E-07	9.06E-04	2.86E-07	1.21E-07
5708	486765.48, 3856659.69	8.92E-04	2.81E-07	1.19E-07	9.10E-04	2.87E-07	1.22E-07	9.09E-04	2.87E-07	1.22E-07
5709	486833.44, 3856720.2	8.93E-04	2.82E-07	1.20E-07	9.11E-04	2.87E-07	1.22E-07	9.10E-04	2.87E-07	1.22E-07
5710	486901.41, 3856780.72	8.96E-04	2.83E-07	1.20E-07	9.15E-04	2.89E-07	1.22E-07	9.14E-04	2.88E-07	1.22E-07
5711	486969.38, 3856841.24	9.00E-04	2.84E-07	1.21E-07	9.18E-04	2.90E-07	1.23E-07	9.17E-04	2.89E-07	1.23E-07
5712	487037.34, 3856901.75	9.05E-04	2.86E-07	1.21E-07	9.23E-04	2.91E-07	1.24E-07	9.22E-04	2.91E-07	1.23E-07
5713	487271.23, 3856855.51	9.06E-04	2.86E-07	1.21E-07	9.24E-04	2.92E-07	1.24E-07	9.23E-04	2.91E-07	1.24E-07
5714	487368.96, 3856857.29	9.03E-04	2.85E-07	1.21E-07	9.22E-04	2.91E-07	1.23E-07	9.20E-04	2.91E-07	1.23E-07
5715	487466.68, 3856859.06	9.03E-04	2.85E-07	1.21E-07	9.22E-04	2.91E-07	1.23E-07	9.20E-04	2.91E-07	1.23E-07
5716	487636.44, 3856930	9.10E-04	2.87E-07	1.22E-07	9.29E-04	2.93E-07	1.24E-07	9.28E-04	2.93E-07	1.24E-07
5717	487709.57, 3856928.43	9.14E-04	2.88E-07	1.22E-07	9.33E-04	2.94E-07	1.25E-07	9.32E-04	2.94E-07	1.25E-07
5718	487782.55, 3856841.96	9.11E-04	2.87E-07	1.22E-07	9.29E-04	2.93E-07	1.24E-07	9.28E-04	2.93E-07	1.24E-07
5719	487849.83, 3856754.74	9.08E-04	2.87E-07	1.22E-07	9.27E-04	2.93E-07	1.24E-07	9.26E-04	2.92E-07	1.24E-07
5720	487918.03, 3856819.39	9.17E-04	2.89E-07	1.23E-07	9.35E-04	2.95E-07	1.25E-07	9.34E-04	2.95E-07	1.25E-07
5721	487918.8, 3856886.37	9.24E-04	2.92E-07	1.24E-07	9.43E-04	2.98E-07	1.26E-07	9.42E-04	2.97E-07	1.26E-07
5722	488065.47, 3857127.51	9.53E-04	3.01E-07	1.28E-07	9.72E-04	3.07E-07	1.30E-07	9.71E-04	3.07E-07	1.30E-07
5723	488192.19, 3857385.84	1.02E-03	3.23E-07	1.37E-07	1.04E-03	3.29E-07	1.40E-07	1.04E-03	3.29E-07	1.40E-07
5724	488191.22, 3857473.87	1.06E-03	3.33E-07	1.41E-07	1.08E-03	3.40E-07	1.44E-07	1.08E-03	3.40E-07	1.44E-07
5725	488190.24, 3857561.91	1.09E-03	3.45E-07	1.47E-07	1.12E-03	3.52E-07	1.50E-07	1.12E-03	3.52E-07	1.49E-07
5726	488158.35, 3857691.13	1.16E-03	3.65E-07	1.55E-07	1.18E-03	3.72E-07	1.58E-07	1.18E-03	3.72E-07	1.58E-07
5727	488208.37, 3857816.66	1.24E-03	3.91E-07	1.66E-07	1.26E-03	3.99E-07	1.69E-07	1.26E-03	3.98E-07	1.69E-07
5728	488271.97, 3857874.6	1.29E-03	4.07E-07	1.73E-07	1.31E-03	4.15E-07	1.76E-07	1.31E-03	4.14E-07	1.76E-07
5729	488463.56, 3857942.31	1.39E-03	4.39E-07	1.86E-07	1.42E-03	4.48E-07	1.90E-07	1.42E-03	4.48E-07	1.90E-07
5730	488554.83, 3857940.83	1.40E-03	4.41E-07	1.87E-07	1.43E-03	4.50E-07	1.91E-07	1.43E-03	4.50E-07	1.91E-07
5731	488646.1, 3857939.36	1.41E-03	4.44E-07	1.88E-07	1.43E-03	4.53E-07	1.92E-07	1.43E-03	4.52E-07	1.92E-07
5732	488737.37, 3857937.88	1.42E-03	4.47E-07	1.90E-07	1.44E-03	4.56E-07	1.93E-07	1.44E-03	4.55E-07	1.93E-07
5733	488733.59, 3857960.57	1.44E-03	4.54E-07	1.92E-07	1.47E-03	4.63E-07	1.96E-07	1.46E-03	4.62E-07	1.96E-07
5734	488638.09, 3857961.57	1.43E-03	4.50E-07	1.91E-07	1.46E-03	4.60E-07	1.95E-07	1.45E-03	4.59E-07	1.95E-07
5735	488542.6, 3857962.56	1.42E-03	4.49E-07	1.90E-07	1.45E-03	4.58E-07	1.94E-07	1.45E-03	4.58E-07	1.94E-07
5736	488447.1, 3857963.56	1.41E-03	4.46E-07	1.89E-07	1.44E-03	4.55E-07	1.93E-07	1.44E-03	4.54E-07	1.93E-07

5737	488254.28, 3857890.36	1.30E-03	4.10E-07	1.74E-07	1.33E-03	4.19E-07	1.78E-07	1.33E-03	4.18E-07	1.77E-07
5738	488191.69, 3857833.06	1.25E-03	3.93E-07	1.67E-07	1.27E-03	4.01E-07	1.70E-07	1.27E-03	4.01E-07	1.70E-07
5739	488129.5, 3857907.43	1.29E-03	4.07E-07	1.73E-07	1.32E-03	4.16E-07	1.76E-07	1.32E-03	4.15E-07	1.76E-07
5740	488196.47, 3857968.74	1.36E-03	4.28E-07	1.82E-07	1.38E-03	4.37E-07	1.85E-07	1.38E-03	4.36E-07	1.85E-07
5741	488263.44, 3858030.04	1.43E-03	4.52E-07	1.92E-07	1.46E-03	4.61E-07	1.96E-07	1.46E-03	4.60E-07	1.95E-07
5742	488400.64, 3858132.9	1.60E-03	5.04E-07	2.14E-07	1.63E-03	5.15E-07	2.18E-07	1.63E-03	5.14E-07	2.18E-07
5743	488519.89, 3858218.38	1.80E-03	5.67E-07	2.40E-07	1.83E-03	5.78E-07	2.45E-07	1.83E-03	5.77E-07	2.45E-07
5744	488647.97, 3858214.99	1.80E-03	5.68E-07	2.41E-07	1.84E-03	5.80E-07	2.46E-07	1.84E-03	5.79E-07	2.46E-07
5745	488727.05, 3858167.67	1.72E-03	5.43E-07	2.31E-07	1.76E-03	5.55E-07	2.35E-07	1.76E-03	5.54E-07	2.35E-07
5746	488806.12, 3858120.35	1.65E-03	5.21E-07	2.21E-07	1.69E-03	5.32E-07	2.26E-07	1.68E-03	5.31E-07	2.25E-07
5747	488885.2, 3858073.03	1.58E-03	5.00E-07	2.12E-07	1.62E-03	5.10E-07	2.16E-07	1.61E-03	5.09E-07	2.16E-07
5748	489055.76, 3857991.18	1.46E-03	4.62E-07	1.96E-07	1.49E-03	4.72E-07	2.00E-07	1.49E-03	4.71E-07	2.00E-07
5749	489245.39, 3857944.55	1.34E-03	4.24E-07	1.80E-07	1.37E-03	4.32E-07	1.83E-07	1.37E-03	4.32E-07	1.83E-07
5750	489430.63, 3857930.91	1.28E-03	4.03E-07	1.71E-07	1.30E-03	4.11E-07	1.74E-07	1.30E-03	4.11E-07	1.74E-07
5751	489517.74, 3857929.36	1.25E-03	3.95E-07	1.68E-07	1.28E-03	4.03E-07	1.71E-07	1.28E-03	4.02E-07	1.71E-07
5752	489604.86, 3857927.82	1.23E-03	3.88E-07	1.64E-07	1.25E-03	3.96E-07	1.68E-07	1.25E-03	3.95E-07	1.68E-07
5753	489691.97, 3857926.28	1.22E-03	3.84E-07	1.63E-07	1.24E-03	3.92E-07	1.66E-07	1.24E-03	3.91E-07	1.66E-07
5754	489779.08, 3857924.73	1.20E-03	3.80E-07	1.61E-07	1.23E-03	3.88E-07	1.65E-07	1.23E-03	3.87E-07	1.64E-07
5755	490017.55, 3857875.09	1.13E-03	3.58E-07	1.52E-07	1.16E-03	3.65E-07	1.55E-07	1.15E-03	3.64E-07	1.55E-07
5756	490033.82, 3857960.81	1.22E-03	3.85E-07	1.63E-07	1.24E-03	3.93E-07	1.67E-07	1.24E-03	3.92E-07	1.66E-07
5757	489959.15, 3857987.49	1.27E-03	3.99E-07	1.69E-07	1.29E-03	4.07E-07	1.73E-07	1.29E-03	4.07E-07	1.73E-07
5758	489791.49, 3858016.12	1.29E-03	4.09E-07	1.73E-07	1.32E-03	4.17E-07	1.77E-07	1.32E-03	4.16E-07	1.77E-07
5759	489698.51, 3858018.07	1.31E-03	4.14E-07	1.76E-07	1.34E-03	4.23E-07	1.79E-07	1.34E-03	4.22E-07	1.79E-07
5760	489605.52, 3858020.02	1.33E-03	4.21E-07	1.79E-07	1.36E-03	4.30E-07	1.82E-07	1.36E-03	4.29E-07	1.82E-07
5761	489512.53, 3858021.96	1.36E-03	4.29E-07	1.82E-07	1.39E-03	4.38E-07	1.86E-07	1.39E-03	4.37E-07	1.86E-07
5762	489419.55, 3858023.91	1.39E-03	4.40E-07	1.87E-07	1.42E-03	4.49E-07	1.91E-07	1.42E-03	4.49E-07	1.90E-07
5763	489228.47, 3858041.29	1.45E-03	4.58E-07	1.94E-07	1.48E-03	4.67E-07	1.98E-07	1.48E-03	4.66E-07	1.98E-07
5764	489065.75, 3858085.78	1.58E-03	4.97E-07	2.11E-07	1.61E-03	5.07E-07	2.15E-07	1.61E-03	5.07E-07	2.15E-07
5765	489001.12, 3858114.86	1.63E-03	5.16E-07	2.19E-07	1.67E-03	5.26E-07	2.23E-07	1.67E-03	5.26E-07	2.23E-07
5766	488861.89, 3858189.81	1.76E-03	5.57E-07	2.36E-07	1.80E-03	5.68E-07	2.41E-07	1.80E-03	5.68E-07	2.41E-07
5767	488787.29, 3858235.69	1.86E-03	5.87E-07	2.49E-07	1.90E-03	5.99E-07	2.54E-07	1.89E-03	5.98E-07	2.54E-07
5768	488712.68, 3858281.57	1.95E-03	6.15E-07	2.61E-07	1.99E-03	6.27E-07	2.66E-07	1.99E-03	6.27E-07	2.66E-07
5769	488654.39, 3858436.17	2.41E-03	7.60E-07	3.22E-07	2.46E-03	7.75E-07	3.29E-07	2.45E-03	7.74E-07	3.29E-07
5770	488726.31, 3858505.26	2.74E-03	8.65E-07	3.67E-07	2.80E-03	8.83E-07	3.74E-07	2.79E-03	8.82E-07	3.74E-07
5771	488880.6, 3858599.28	3.45E-03	1.09E-06	4.62E-07	3.52E-03	1.11E-06	4.72E-07	3.52E-03	1.11E-06	4.71E-07
5772	489008.06, 3858714.75	5.06E-03	1.60E-06	6.78E-07	5.16E-03	1.63E-06	6.92E-07	5.16E-03	1.63E-06	6.91E-07
5773	489071.48, 3858772.72	7.34E-03	2.32E-06	9.82E-07	7.49E-03	2.36E-06	1.00E-06	7.48E-03	2.36E-06	1.00E-06
5774	489244.6, 3858920.2	2.42E-02	7.63E-06	3.24E-06	2.47E-02	7.79E-06	3.30E-06	2.47E-02	7.78E-06	3.30E-06
5775	489239.69, 3858952.23	3.07E-02	9.70E-06	4.11E-06	3.13E-02	9.89E-06	4.20E-06	3.13E-02	9.88E-06	4.19E-06
5776	489121.67, 3858854.49	1.68E-02	5.29E-06	2.24E-06	1.71E-02	5.39E-06	2.29E-06	1.71E-02	5.39E-06	2.29E-06
5777	489059.59, 3858797.27	9.00E-03	2.84E-06	1.21E-06	9.19E-03	2.90E-06	1.23E-06	9.18E-03	2.90E-06	1.23E-06
5778	488997.52, 3858740.04	5.69E-03	1.80E-06	7.62E-07	5.81E-03	1.83E-06	7.78E-07	5.80E-03	1.83E-06	7.77E-07
5779	488935.44, 3858682.82	4.44E-03	1.40E-06	5.94E-07	4.53E-03	1.43E-06	6.06E-07	4.52E-03	1.43E-06	6.06E-07
5780	488869.17, 3858848.43	1.35E-02	4.27E-06	1.81E-06	1.38E-02	4.36E-06	1.85E-06	1.38E-02	4.35E-06	1.85E-06
5781	488932.48, 3858892.69	4.67E-02	1.47E-05	6.25E-06	4.76E-02	1.50E-05	6.38E-06	4.76E-02	1.50E-05	6.37E-06
5782	489063.27, 3858977.17	7.95E-02	2.51E-05	1.06E-05	8.11E-02	2.56E-05	1.09E-05	8.10E-02	2.56E-05	1.08E-05
5783	489248.2, 3859117.15	9.59E-02	3.03E-05	1.28E-05	9.79E-02	3.09E-05	1.31E-05	9.77E-02	3.09E-05	1.31E-05
5784	489296.25, 3859049.22	4.94E-02	1.56E-05	6.62E-06	5.04E-02	1.59E-05	6.75E-06	5.04E-02	1.59E-05	6.74E-06
5785	489353.38, 3858993.97	2.99E-02	9.45E-06	4.01E-06	3.06E-02	9.64E-06	4.09E-06	3.05E-02	9.63E-06	4.09E-06
5786	489537.25, 3859120.22	3.69E-02	1.17E-05	4.95E-06	3.77E-02	1.19E-05	5.05E-06	3.77E-02	1.19E-05	5.04E-06
5787	489726.98, 3859246.04	4.38E-02	1.38E-05	5.86E-06	4.47E-02	1.41E-05	5.98E-06	4.46E-02	1.41E-05	5.98E-06
5788	489911.46, 3859366.33	4.97E-02	1.57E-05	6.66E-06	5.08E-02	1.60E-05	6.80E-06	5.07E-02	1.60E-05	6.79E-06
5789	490035.3, 3859430.26	5.00E-02	1.58E-05	6.69E-06	5.10E-02	1.61E-05	6.83E-06	5.09E-02	1.61E-05	6.82E-06
5790	490101.11, 3859458.61	4.87E-02	1.54E-05	6.52E-06	4.97E-02	1.57E-05	6.66E-06	4.96E-02	1.57E-05	6.65E-06
5791	490312.68, 3859560.3	5.23E-02	1.65E-05	7.01E-06	5.34E-02	1.69E-05	7.15E-06	5.33E-02	1.68E-05	7.14E-06
5792	490401.63, 3859603.12	5.55E-02	1.75E-05	7.44E-06	5.67E-02	1.79E-05	7.59E-06	5.66E-02	1.79E-05	7.58E-06
5793	490490.57, 3859645.94	5.89E-02	1.86E-05	7.89E-06	6.01E-02	1.90E-05	8.05E-06	6.01E-02	1.90E-05	8.04E-06
5794	490579.51, 3859688.76	6.23E-02	1.97E-05	8.34E-06	6.36E-02	2.01E-05	8.51E-06	6.35E-02	2.00E-05	8.50E-06
5795	490668.45, 3859731.58	6.42E-02	2.03E-05	8.60E-06	6.55E-02	2.07E-05	8.77E-06	6.54E-02	2.06E-05	8.76E-06
5796	490757.4, 3859774.4	7.01E-02	2.21E-05	9.38E-06	7.15E-02	2.26E-05	9.57E-06	7.14E-02	2.25E-05	9.56E-06
5797	491003.53, 3859861.82	6.31E-02	1.99E-05	8.46E-06	6.44E-02	2.03E-05	8.63E-06	6.44E-02	2.03E-05	8.62E-06
5798	491081.41, 3859879.05	5.63E-02	1.78E-05	7.54E-06	5.75E-02	1.81E-05	7.70E-06	5.74E-02	1.81E-05	7.69E-06
5799	491229.76, 3859917.82	4.54E-02	1.43E-05	6.08E-06	4.64E-02	1.46E-05	6.21E-06	4.63E-02	1.46E-05	6.20E-06
5800	491300.22, 3859939.35	4.10E-02	1.29E-05	5.49E-06	4.18E-02	1.32E-05	5.60E-06	4.18E-02	1.32E-05	5.59E-06
5801	491350.49, 3860012.03	4.55E-02	1.44E-05	6.09E-06	4.64E-02	1.47E-05	6.22E-06	4.64E-02	1.46E-05	6.21E-06
5802	491406.82, 3860092.57	5.13E-02	1.62E-05	6.87E-06	5.23E-02	1.65E-05	7.01E-06	5.23E-02	1.65E-05	7.00E-06
5803	491483.37, 3860121.96	4.57E-02	1.44E-05	6.12E-06	4.66E-02	1.47E-05	6.24E-06	4.66E-02	1.47E-05	6.23E-06
5804	491559.91, 3860151.36	4.11E-02	1.30E-05	5.50E-06	4.19E-02	1.32E-05	5.61E-06	4.18E-02	1.32E-05	5.60E-06
5805	491711.81, 3860237.76	2.83E-02	8.94E-06	3.79E-06	2.89E-02	9.12E-06	3.87E-06	2.89E-02	9.11E-06	3.87E-06
5806	491755.2, 3860319.07	4.09E-02	1.29E-05	5.47E-06	4.17E-02	1.32E-05	5.59E-06	4.17E-02	1.31E-05	5.58E-06

5807	491704.71, 3860366.54	5.85E-02	1.85E-05	7.83E-06	5.97E-02	1.88E-05	7.99E-06	5.96E-02	1.88E-05	7.98E-06
5808	491623.43, 3860462.39	3.46E-02	1.09E-05	4.63E-06	3.53E-02	1.11E-05	4.73E-06	3.53E-02	1.11E-05	4.72E-06
5809	491534.02, 3860439.85	1.98E-02	6.25E-06	2.65E-06	2.02E-02	6.37E-06	2.70E-06	2.02E-02	6.37E-06	2.70E-06
5810	491313.95, 3860268.18	2.68E-02	8.46E-06	3.59E-06	2.73E-02	8.63E-06	3.66E-06	2.73E-02	8.62E-06	3.66E-06
5811	491187.12, 3860143.56	3.73E-02	1.18E-05	4.99E-06	3.81E-02	1.20E-05	5.10E-06	3.80E-02	1.20E-05	5.09E-06
5812	491070.43, 3860075.97	3.46E-02	1.09E-05	4.63E-06	3.53E-02	1.11E-05	4.73E-06	3.53E-02	1.11E-05	4.72E-06
5813	490995.09, 3860039.39	3.24E-02	1.02E-05	4.34E-06	3.31E-02	1.04E-05	4.43E-06	3.31E-02	1.04E-05	4.43E-06
5814	490919.75, 3860002.8	3.26E-02	1.03E-05	4.37E-06	3.33E-02	1.05E-05	4.46E-06	3.32E-02	1.05E-05	4.45E-06
5815	490756.81, 3859894.53	5.60E-02	1.77E-05	7.50E-06	5.72E-02	1.80E-05	7.65E-06	5.71E-02	1.80E-05	7.64E-06
5816	490668.07, 3859860.92	5.36E-02	1.69E-05	7.17E-06	5.47E-02	1.73E-05	7.32E-06	5.46E-02	1.72E-05	7.31E-06
5817	490579.34, 3859827.3	5.35E-02	1.69E-05	7.17E-06	5.46E-02	1.72E-05	7.31E-06	5.45E-02	1.72E-05	7.30E-06
5818	490490.6, 3859793.68	5.09E-02	1.61E-05	6.82E-06	5.20E-02	1.64E-05	6.96E-06	5.19E-02	1.64E-05	6.95E-06
5819	490401.86, 3859760.07	4.92E-02	1.55E-05	6.58E-06	5.02E-02	1.58E-05	6.72E-06	5.01E-02	1.58E-05	6.71E-06
5820	490313.12, 3859726.45	4.88E-02	1.54E-05	6.53E-06	4.98E-02	1.57E-05	6.66E-06	4.97E-02	1.57E-05	6.66E-06
5821	490224.39, 3859692.83	4.81E-02	1.52E-05	6.44E-06	4.91E-02	1.55E-05	6.57E-06	4.90E-02	1.55E-05	6.56E-06
5822	490135.65, 3859659.22	4.70E-02	1.48E-05	6.30E-06	4.80E-02	1.52E-05	6.43E-06	4.80E-02	1.51E-05	6.42E-06
5823	489918.19, 3859559.23	4.60E-02	1.45E-05	6.16E-06	4.69E-02	1.48E-05	6.28E-06	4.69E-02	1.48E-05	6.27E-06
5824	489743.61, 3859486	3.58E-02	1.13E-05	4.80E-06	3.66E-02	1.15E-05	4.89E-06	3.65E-02	1.15E-05	4.89E-06
5825	489660.32, 3859440.27	3.55E-02	1.12E-05	4.75E-06	3.62E-02	1.14E-05	4.85E-06	3.62E-02	1.14E-05	4.84E-06
5826	489577.04, 3859394.53	3.53E-02	1.11E-05	4.73E-06	3.60E-02	1.14E-05	4.82E-06	3.60E-02	1.14E-05	4.82E-06
5827	489493.75, 3859348.8	3.49E-02	1.10E-05	4.67E-06	3.56E-02	1.12E-05	4.77E-06	3.55E-02	1.12E-05	4.76E-06
5828	489321.28, 3859240.02	3.96E-02	1.25E-05	5.31E-06	4.04E-02	1.28E-05	5.41E-06	4.04E-02	1.27E-05	5.41E-06
5829	489235.41, 3859193.96	3.86E-02	1.22E-05	5.17E-06	3.94E-02	1.24E-05	5.27E-06	3.93E-02	1.24E-05	5.27E-06
5830	489149.54, 3859147.89	3.39E-02	1.07E-05	4.55E-06	3.46E-02	1.09E-05	4.64E-06	3.46E-02	1.09E-05	4.63E-06
5831	489063.68, 3859101.82	3.10E-02	9.80E-06	4.16E-06	3.17E-02	1.00E-05	4.24E-06	3.16E-02	9.98E-06	4.24E-06
5832	488977.81, 3859055.75	2.78E-02	8.78E-06	3.73E-06	2.84E-02	8.96E-06	3.80E-06	2.84E-02	8.95E-06	3.80E-06
5833	488891.94, 3859009.69	2.27E-02	7.16E-06	3.04E-06	2.32E-02	7.31E-06	3.10E-06	2.31E-02	7.30E-06	3.10E-06
5834	488808, 3859060.73	1.17E-02	3.69E-06	1.57E-06	1.19E-02	3.77E-06	1.60E-06	1.19E-02	3.76E-06	1.60E-06
5835	488809.93, 3859157.85	9.13E-03	2.88E-06	1.22E-06	9.32E-03	2.94E-06	1.25E-06	9.31E-03	2.94E-06	1.25E-06
5836	488811.86, 3859254.96	7.51E-03	2.37E-06	1.01E-06	7.66E-03	2.42E-06	1.03E-06	7.65E-03	2.41E-06	1.02E-06
5837	488813.78, 3859352.07	6.38E-03	2.02E-06	8.55E-07	6.52E-03	2.06E-06	8.72E-07	6.51E-03	2.05E-06	8.71E-07
5838	488815.71, 3859449.19	5.59E-03	1.76E-06	7.49E-07	5.70E-03	1.80E-06	7.64E-07	5.70E-03	1.80E-06	7.63E-07
5839	488910.04, 3859547.11	5.49E-03	1.73E-06	7.35E-07	5.60E-03	1.77E-06	7.50E-07	5.59E-03	1.77E-06	7.49E-07
5840	489002.45, 3859547.91	6.12E-03	1.93E-06	8.19E-07	6.24E-03	1.97E-06	8.36E-07	6.24E-03	1.97E-06	8.35E-07
5841	489094.85, 3859548.72	6.89E-03	2.17E-06	9.22E-07	7.03E-03	2.22E-06	9.41E-07	7.02E-03	2.22E-06	9.40E-07
5842	489230.05, 3859601.87	7.41E-03	2.34E-06	9.93E-07	7.56E-03	2.39E-06	1.01E-06	7.55E-03	2.38E-06	1.01E-06
5843	489227.52, 3859680.89	6.45E-03	2.03E-06	8.63E-07	6.58E-03	2.08E-06	8.81E-07	6.57E-03	2.07E-06	8.80E-07
5844	489133.47, 3859760.29	5.22E-03	1.65E-06	6.99E-07	5.33E-03	1.68E-06	7.13E-07	5.32E-03	1.68E-06	7.12E-07
5845	489041.96, 3859760.67	4.79E-03	1.51E-06	6.41E-07	4.89E-03	1.54E-06	6.55E-07	4.88E-03	1.54E-06	6.54E-07
5846	488950.45, 3859761.05	4.41E-03	1.39E-06	5.90E-07	4.50E-03	1.42E-06	6.02E-07	4.49E-03	1.42E-06	6.01E-07
5847	488858.94, 3859761.43	4.07E-03	1.29E-06	5.45E-07	4.16E-03	1.31E-06	5.57E-07	4.15E-03	1.31E-06	5.56E-07
5848	488767.43, 3859761.82	3.74E-03	1.18E-06	5.01E-07	3.82E-03	1.21E-06	5.12E-07	3.82E-03	1.20E-06	5.11E-07
5849	488675.92, 3859762.2	3.46E-03	1.09E-06	4.64E-07	3.54E-03	1.12E-06	4.73E-07	3.53E-03	1.11E-06	4.73E-07
5850	488584.41, 3859762.58	3.19E-03	1.01E-06	4.28E-07	3.26E-03	1.03E-06	4.37E-07	3.26E-03	1.03E-06	4.36E-07
5851	488492.9, 3859762.96	2.96E-03	9.34E-07	3.96E-07	3.02E-03	9.53E-07	4.04E-07	3.02E-03	9.52E-07	4.04E-07
5852	488402.76, 3859830.95	2.64E-03	8.35E-07	3.54E-07	2.70E-03	8.52E-07	3.61E-07	2.70E-03	8.51E-07	3.61E-07
5853	488404.14, 3859898.55	2.53E-03	7.99E-07	3.39E-07	2.58E-03	8.15E-07	3.46E-07	2.58E-03	8.14E-07	3.45E-07
5854	488505.18, 3859964.96	2.61E-03	8.23E-07	3.49E-07	2.66E-03	8.40E-07	3.56E-07	2.66E-03	8.39E-07	3.56E-07
5855	488604.85, 3859963.76	2.80E-03	8.83E-07	3.75E-07	2.86E-03	9.01E-07	3.82E-07	2.85E-03	9.00E-07	3.82E-07
5856	488704.51, 3859962.56	3.01E-03	9.50E-07	4.03E-07	3.07E-03	9.69E-07	4.11E-07	3.07E-03	9.68E-07	4.11E-07
5857	488804.18, 3859961.37	3.24E-03	1.02E-06	4.34E-07	3.31E-03	1.04E-06	4.43E-07	3.30E-03	1.04E-06	4.42E-07
5858	488903.85, 3859960.17	3.49E-03	1.10E-06	4.68E-07	3.56E-03	1.12E-06	4.77E-07	3.56E-03	1.12E-06	4.76E-07
5859	489003.52, 3859958.97	3.75E-03	1.18E-06	5.02E-07	3.83E-03	1.21E-06	5.13E-07	3.82E-03	1.21E-06	5.12E-07
5860	489103.18, 3859957.77	4.04E-03	1.27E-06	5.41E-07	4.12E-03	1.30E-06	5.52E-07	4.12E-03	1.30E-06	5.51E-07
5861	489201.48, 3860046.59	3.96E-03	1.25E-06	5.31E-07	4.04E-03	1.28E-06	5.41E-07	4.04E-03	1.27E-06	5.41E-07
5862	489200.11, 3860136.61	3.60E-03	1.14E-06	4.82E-07	3.67E-03	1.16E-06	4.92E-07	3.67E-03	1.16E-06	4.91E-07
5863	489198.74, 3860226.63	3.29E-03	1.04E-06	4.41E-07	3.36E-03	1.06E-06	4.50E-07	3.36E-03	1.06E-06	4.50E-07
5864	489197.38, 3860316.66	3.02E-03	9.54E-07	4.05E-07	3.09E-03	9.74E-07	4.13E-07	3.08E-03	9.73E-07	4.13E-07
5865	489196.01, 3860406.68	2.80E-03	8.83E-07	3.75E-07	2.86E-03	9.01E-07	3.82E-07	2.85E-03	9.00E-07	3.82E-07
5866	489194.64, 3860496.7	2.58E-03	8.15E-07	3.46E-07	2.63E-03	8.31E-07	3.53E-07	2.63E-03	8.30E-07	3.52E-07
5867	489193.27, 3860586.72	2.41E-03	7.59E-07	3.22E-07	2.46E-03	7.75E-07	3.29E-07	2.45E-03	7.74E-07	3.28E-07
5868	489092.02, 3860678.13	2.16E-03	6.80E-07	2.89E-07	2.20E-03	6.94E-07	2.95E-07	2.20E-03	6.93E-07	2.94E-07
5869	488992.13, 3860679.53	2.07E-03	6.53E-07	2.77E-07	2.11E-03	6.67E-07	2.83E-07	2.11E-03	6.66E-07	2.83E-07
5870	488892.25, 3860680.92	1.99E-03	6.29E-07	2.67E-07	2.03E-03	6.42E-07	2.72E-07	2.03E-03	6.41E-07	2.72E-07
5871	488792.36, 3860682.31	1.91E-03	6.04E-07	2.56E-07	1.95E-03	6.17E-07	2.62E-07	1.95E-03	6.16E-07	2.61E-07
5872	488692.48, 3860683.7	1.84E-03	5.82E-07	2.47E-07	1.88E-03	5.94E-07	2.52E-07	1.88E-03	5.93E-07	2.52E-07
5873	488592.59, 3860685.1	1.76E-03	5.57E-07	2.36E-07	1.80E-03	5.68E-07	2.41E-07	1.80E-03	5.68E-07	2.41E-07
5874	488492.71, 3860686.49	1.71E-03	5.39E-07	2.29E-07	1.74E-03	5.50E-07	2.33E-07	1.74E-03	5.49E-07	2.33E-07
5875	488299.07, 3860762.18	1.56E-03	4.92E-07	2.09E-07	1.59E-03	5.02E-07	2.13E-07	1.59E-03	5.01E-07	2.13E-07
5876	488205.32, 3860764.09	1.50E-03	4.72E-07	2.00E-07	1.53E-03	4.82E-07	2.05E-07	1.53E-03	4.81E-07	2.04E-07

5877	488111.56, 3860766	1.43E-03	4.52E-07	1.92E-07	1.46E-03	4.62E-07	1.96E-07	1.46E-03	4.61E-07	1.96E-07
5878	488017.81, 3860767.91	1.37E-03	4.33E-07	1.84E-07	1.40E-03	4.42E-07	1.88E-07	1.40E-03	4.42E-07	1.87E-07
5879	487924.06, 3860769.81	1.32E-03	4.16E-07	1.77E-07	1.35E-03	4.25E-07	1.80E-07	1.34E-03	4.24E-07	1.80E-07
5880	487830.31, 3860771.72	1.27E-03	4.01E-07	1.70E-07	1.30E-03	4.09E-07	1.74E-07	1.30E-03	4.09E-07	1.73E-07
5881	487736.55, 3860773.63	1.23E-03	3.87E-07	1.64E-07	1.25E-03	3.95E-07	1.68E-07	1.25E-03	3.95E-07	1.67E-07
5882	487642.8, 3860775.54	1.19E-03	3.75E-07	1.59E-07	1.21E-03	3.83E-07	1.63E-07	1.21E-03	3.83E-07	1.62E-07
5883	487549.48, 3860684.71	1.19E-03	3.75E-07	1.59E-07	1.21E-03	3.83E-07	1.62E-07	1.21E-03	3.82E-07	1.62E-07
5884	487549.91, 3860591.97	1.22E-03	3.84E-07	1.63E-07	1.24E-03	3.92E-07	1.66E-07	1.24E-03	3.91E-07	1.66E-07
5885	487550.34, 3860499.23	1.25E-03	3.95E-07	1.67E-07	1.28E-03	4.03E-07	1.71E-07	1.27E-03	4.02E-07	1.71E-07
5886	487550.76, 3860406.49	1.29E-03	4.07E-07	1.73E-07	1.32E-03	4.15E-07	1.76E-07	1.31E-03	4.15E-07	1.76E-07
5887	487551.19, 3860313.75	1.32E-03	4.18E-07	1.77E-07	1.35E-03	4.26E-07	1.81E-07	1.35E-03	4.26E-07	1.81E-07
5888	487551.62, 3860221.01	1.36E-03	4.30E-07	1.82E-07	1.39E-03	4.39E-07	1.86E-07	1.39E-03	4.38E-07	1.86E-07
5889	487552.05, 3860128.27	1.41E-03	4.45E-07	1.89E-07	1.44E-03	4.54E-07	1.93E-07	1.44E-03	4.54E-07	1.93E-07
5890	487552.48, 3860035.53	1.46E-03	4.60E-07	1.95E-07	1.49E-03	4.69E-07	1.99E-07	1.48E-03	4.69E-07	1.99E-07
5891	487552.91, 3859942.79	1.49E-03	4.70E-07	1.99E-07	1.52E-03	4.80E-07	2.03E-07	1.52E-03	4.79E-07	2.03E-07
5892	487553.33, 3859850.05	1.54E-03	4.85E-07	2.06E-07	1.57E-03	4.95E-07	2.10E-07	1.57E-03	4.95E-07	2.10E-07
5893	487553.76, 3859757.31	1.58E-03	4.97E-07	2.11E-07	1.61E-03	5.08E-07	2.15E-07	1.61E-03	5.07E-07	2.15E-07
5894	487554.19, 3859664.57	1.61E-03	5.08E-07	2.16E-07	1.64E-03	5.19E-07	2.20E-07	1.64E-03	5.18E-07	2.20E-07
5895	487460.2, 3859571.05	1.55E-03	4.88E-07	2.07E-07	1.58E-03	4.98E-07	2.11E-07	1.58E-03	4.97E-07	2.11E-07
5896	487365.78, 3859570.27	1.47E-03	4.63E-07	1.97E-07	1.50E-03	4.73E-07	2.01E-07	1.50E-03	4.72E-07	2.00E-07
5897	487271.36, 3859569.48	1.40E-03	4.41E-07	1.87E-07	1.43E-03	4.50E-07	1.91E-07	1.42E-03	4.49E-07	1.91E-07
5898	487176.94, 3859568.7	1.33E-03	4.21E-07	1.79E-07	1.36E-03	4.29E-07	1.82E-07	1.36E-03	4.29E-07	1.82E-07
5899	487082.51, 3859567.92	1.28E-03	4.03E-07	1.71E-07	1.30E-03	4.11E-07	1.74E-07	1.30E-03	4.11E-07	1.74E-07
5900	486988.09, 3859567.14	1.22E-03	3.86E-07	1.64E-07	1.25E-03	3.94E-07	1.67E-07	1.25E-03	3.94E-07	1.67E-07
5901	486893.67, 3859566.36	1.18E-03	3.72E-07	1.58E-07	1.20E-03	3.79E-07	1.61E-07	1.20E-03	3.79E-07	1.61E-07
5902	486799.25, 3859565.58	1.13E-03	3.58E-07	1.52E-07	1.16E-03	3.65E-07	1.55E-07	1.16E-03	3.65E-07	1.55E-07
5903	486704.83, 3859564.79	1.09E-03	3.45E-07	1.47E-07	1.12E-03	3.52E-07	1.50E-07	1.12E-03	3.52E-07	1.49E-07
5904	486610.41, 3859564.01	1.06E-03	3.34E-07	1.42E-07	1.08E-03	3.41E-07	1.45E-07	1.08E-03	3.40E-07	1.44E-07
5905	486515.99, 3859563.23	1.02E-03	3.23E-07	1.37E-07	1.04E-03	3.29E-07	1.40E-07	1.04E-03	3.29E-07	1.40E-07
5906	486421.57, 3859562.45	9.91E-04	3.13E-07	1.33E-07	1.01E-03	3.19E-07	1.35E-07	1.01E-03	3.19E-07	1.35E-07
5907	486327.14, 3859561.67	9.62E-04	3.04E-07	1.29E-07	9.82E-04	3.10E-07	1.32E-07	9.81E-04	3.10E-07	1.31E-07
5908	486232.72, 3859560.89	9.34E-04	2.95E-07	1.25E-07	9.53E-04	3.01E-07	1.28E-07	9.52E-04	3.01E-07	1.28E-07
5909	486138.3, 3859560.1	9.09E-04	2.87E-07	1.22E-07	9.28E-04	2.93E-07	1.24E-07	9.27E-04	2.92E-07	1.24E-07
5910	486043.88, 3859559.32	8.85E-04	2.79E-07	1.18E-07	9.03E-04	2.85E-07	1.21E-07	9.02E-04	2.85E-07	1.21E-07
5911	485949.35, 3859463.54	8.72E-04	2.75E-07	1.17E-07	8.90E-04	2.81E-07	1.19E-07	8.89E-04	2.80E-07	1.19E-07
5912	485949.24, 3859368.55	8.81E-04	2.78E-07	1.18E-07	8.99E-04	2.84E-07	1.20E-07	8.98E-04	2.84E-07	1.20E-07
5913	485949.12, 3859273.55	8.90E-04	2.81E-07	1.19E-07	9.09E-04	2.87E-07	1.22E-07	9.08E-04	2.86E-07	1.22E-07
5914	485949.01, 3859178.56	8.99E-04	2.84E-07	1.20E-07	9.17E-04	2.90E-07	1.23E-07	9.16E-04	2.89E-07	1.23E-07
5915	485948.9, 3859083.56	9.09E-04	2.87E-07	1.22E-07	9.27E-04	2.93E-07	1.24E-07	9.26E-04	2.92E-07	1.24E-07
5916	485948.79, 3858988.56	9.17E-04	2.90E-07	1.23E-07	9.36E-04	2.95E-07	1.25E-07	9.35E-04	2.95E-07	1.25E-07
5917	485948.67, 3858893.57	9.25E-04	2.92E-07	1.24E-07	9.44E-04	2.98E-07	1.26E-07	9.42E-04	2.97E-07	1.26E-07
5918	485948.56, 3858798.57	9.32E-04	2.94E-07	1.25E-07	9.51E-04	3.00E-07	1.27E-07	9.50E-04	3.00E-07	1.27E-07
5919	485948.45, 3858703.58	9.33E-04	2.95E-07	1.25E-07	9.53E-04	3.01E-07	1.28E-07	9.51E-04	3.00E-07	1.27E-07
5920	485948.34, 3858608.58	9.36E-04	2.95E-07	1.25E-07	9.55E-04	3.01E-07	1.28E-07	9.54E-04	3.01E-07	1.28E-07
5921	485948.22, 3858513.59	9.35E-04	2.95E-07	1.25E-07	9.54E-04	3.01E-07	1.28E-07	9.53E-04	3.01E-07	1.28E-07
5922	485948.11, 3858418.59	9.31E-04	2.94E-07	1.25E-07	9.50E-04	3.00E-07	1.27E-07	9.48E-04	2.99E-07	1.27E-07
5923	485948, 3858323.59	9.24E-04	2.92E-07	1.24E-07	9.43E-04	2.98E-07	1.26E-07	9.42E-04	2.97E-07	1.26E-07
5924	485947.89, 3858228.6	9.12E-04	2.88E-07	1.22E-07	9.30E-04	2.94E-07	1.25E-07	9.29E-04	2.93E-07	1.24E-07
5925	485947.77, 3858133.6	8.97E-04	2.83E-07	1.20E-07	9.16E-04	2.89E-07	1.23E-07	9.14E-04	2.89E-07	1.22E-07
5926	485947.66, 3858038.61	8.84E-04	2.79E-07	1.18E-07	9.02E-04	2.85E-07	1.21E-07	9.01E-04	2.84E-07	1.21E-07
5927	485854.54, 3857943.35	8.62E-04	2.72E-07	1.15E-07	8.79E-04	2.77E-07	1.18E-07	8.78E-04	2.77E-07	1.18E-07
5928	485761.52, 3857943.09	8.55E-04	2.70E-07	1.14E-07	8.72E-04	2.75E-07	1.17E-07	8.71E-04	2.75E-07	1.17E-07
5929	485668.51, 3857942.83	8.48E-04	2.68E-07	1.14E-07	8.65E-04	2.73E-07	1.16E-07	8.64E-04	2.73E-07	1.16E-07
5930	485575.5, 3857942.56	8.40E-04	2.65E-07	1.13E-07	8.58E-04	2.71E-07	1.15E-07	8.57E-04	2.70E-07	1.15E-07
5931	485482.48, 3857942.3	8.34E-04	2.63E-07	1.12E-07	8.51E-04	2.68E-07	1.14E-07	8.50E-04	2.68E-07	1.14E-07
5932	485389.47, 3857942.04	8.26E-04	2.61E-07	1.11E-07	8.43E-04	2.66E-07	1.13E-07	8.42E-04	2.66E-07	1.13E-07
5933	485296.46, 3857941.78	8.19E-04	2.58E-07	1.10E-07	8.36E-04	2.64E-07	1.12E-07	8.35E-04	2.63E-07	1.12E-07
5934	485203.45, 3857941.52	8.12E-04	2.56E-07	1.09E-07	8.28E-04	2.61E-07	1.11E-07	8.27E-04	2.61E-07	1.11E-07
5935	485110.43, 3857941.26	8.04E-04	2.54E-07	1.08E-07	8.20E-04	2.59E-07	1.10E-07	8.19E-04	2.59E-07	1.10E-07
5936	485017.42, 3857940.99	7.96E-04	2.51E-07	1.07E-07	8.12E-04	2.56E-07	1.09E-07	8.11E-04	2.56E-07	1.09E-07
5937	484924.41, 3857940.73	7.88E-04	2.49E-07	1.06E-07	8.04E-04	2.54E-07	1.08E-07	8.03E-04	2.54E-07	1.08E-07
5938	484831.39, 3857940.47	7.81E-04	2.47E-07	1.05E-07	7.97E-04	2.52E-07	1.07E-07	7.96E-04	2.51E-07	1.07E-07
5939	484738.12, 3857859.3	7.74E-04	2.44E-07	1.04E-07	7.90E-04	2.49E-07	1.06E-07	7.89E-04	2.49E-07	1.06E-07
5940	484737.85, 3857778.4	7.74E-04	2.44E-07	1.04E-07	7.90E-04	2.49E-07	1.06E-07	7.89E-04	2.49E-07	1.06E-07
5941	484737.59, 3857697.49	7.73E-04	2.44E-07	1.04E-07	7.89E-04	2.49E-07	1.06E-07	7.88E-04	2.49E-07	1.06E-07
5942	484737.32, 3857616.59	7.72E-04	2.44E-07	1.03E-07	7.88E-04	2.49E-07	1.06E-07	7.87E-04	2.48E-07	1.05E-07
5943	484645.53, 3857535.18	7.68E-04	2.42E-07	1.03E-07	7.84E-04	2.47E-07	1.05E-07	7.83E-04	2.47E-07	1.05E-07
5944	484553.99, 3857534.67	7.65E-04	2.41E-07	1.02E-07	7.80E-04	2.46E-07	1.04E-07	7.79E-04	2.46E-07	1.04E-07
5945	484462.46, 3857534.17	7.62E-04	2.40E-07	1.02E-07	7.78E-04	2.45E-07	1.04E-07	7.77E-04	2.45E-07	1.04E-07
5946	484370.93, 3857533.66	7.60E-04	2.40E-07	1.02E-07	7.75E-04	2.45E-07	1.04E-07	7.74E-04	2.44E-07	1.04E-07

5947	484279.4, 3857533.16	7.58E-04	2.39E-07	1.01E-07	7.73E-04	2.44E-07	1.04E-07	7.72E-04	2.44E-07	1.03E-07
5948	484187.86, 3857532.65	7.56E-04	2.38E-07	1.01E-07	7.71E-04	2.43E-07	1.03E-07	7.70E-04	2.43E-07	1.03E-07
5949	484096.33, 3857532.15	7.54E-04	2.38E-07	1.01E-07	7.69E-04	2.43E-07	1.03E-07	7.69E-04	2.43E-07	1.03E-07
5950	484004.8, 3857531.64	7.52E-04	2.37E-07	1.01E-07	7.67E-04	2.42E-07	1.03E-07	7.66E-04	2.42E-07	1.03E-07
5951	483913.27, 3857531.14	7.49E-04	2.36E-07	1.00E-07	7.64E-04	2.41E-07	1.02E-07	7.63E-04	2.41E-07	1.02E-07
5952	483821.73, 3857530.63	7.45E-04	2.35E-07	9.98E-08	7.61E-04	2.40E-07	1.02E-07	7.60E-04	2.40E-07	1.02E-07
5953	483729.61, 3857450.11	7.47E-04	2.36E-07	1.00E-07	7.62E-04	2.41E-07	1.02E-07	7.61E-04	2.40E-07	1.02E-07
5954	483729.03, 3857370.08	7.52E-04	2.37E-07	1.01E-07	7.68E-04	2.42E-07	1.03E-07	7.67E-04	2.42E-07	1.03E-07
5955	483728.44, 3857290.06	7.57E-04	2.39E-07	1.01E-07	7.72E-04	2.44E-07	1.03E-07	7.72E-04	2.44E-07	1.03E-07
5956	483727.86, 3857210.03	7.62E-04	2.40E-07	1.02E-07	7.77E-04	2.45E-07	1.04E-07	7.76E-04	2.45E-07	1.04E-07
5957	483641.15, 3857129.07	7.66E-04	2.42E-07	1.03E-07	7.81E-04	2.47E-07	1.05E-07	7.81E-04	2.46E-07	1.05E-07
5958	483555.03, 3857128.14	7.64E-04	2.41E-07	1.02E-07	7.79E-04	2.46E-07	1.04E-07	7.78E-04	2.46E-07	1.04E-07
5959	483468.91, 3857127.2	7.61E-04	2.40E-07	1.02E-07	7.76E-04	2.45E-07	1.04E-07	7.75E-04	2.45E-07	1.04E-07
5960	483382.78, 3857126.26	7.59E-04	2.39E-07	1.02E-07	7.74E-04	2.44E-07	1.04E-07	7.73E-04	2.44E-07	1.04E-07
5961	483296.66, 3857125.32	7.56E-04	2.39E-07	1.01E-07	7.71E-04	2.43E-07	1.03E-07	7.70E-04	2.43E-07	1.03E-07
5962	483210.54, 3857124.39	7.52E-04	2.37E-07	1.01E-07	7.68E-04	2.42E-07	1.03E-07	7.67E-04	2.42E-07	1.03E-07
5963	483123.4, 3857030.96	7.58E-04	2.39E-07	1.02E-07	7.74E-04	2.44E-07	1.04E-07	7.73E-04	2.44E-07	1.03E-07
5964	483122.38, 3856938.46	7.68E-04	2.42E-07	1.03E-07	7.84E-04	2.47E-07	1.05E-07	7.83E-04	2.47E-07	1.05E-07
5965	483121.35, 3856845.97	7.79E-04	2.46E-07	1.04E-07	7.95E-04	2.51E-07	1.06E-07	7.94E-04	2.51E-07	1.06E-07
5966	483120.33, 3856753.47	7.90E-04	2.49E-07	1.06E-07	8.06E-04	2.54E-07	1.08E-07	8.05E-04	2.54E-07	1.08E-07
5967	483119.31, 3856660.98	8.02E-04	2.53E-07	1.07E-07	8.19E-04	2.58E-07	1.10E-07	8.18E-04	2.58E-07	1.10E-07
5968	483118.29, 3856568.49	8.18E-04	2.58E-07	1.10E-07	8.35E-04	2.63E-07	1.12E-07	8.34E-04	2.63E-07	1.12E-07
5969	483117.26, 3856475.99	8.36E-04	2.64E-07	1.12E-07	8.53E-04	2.69E-07	1.14E-07	8.52E-04	2.69E-07	1.14E-07
5970	483116.24, 3856383.5	8.56E-04	2.70E-07	1.15E-07	8.73E-04	2.76E-07	1.17E-07	8.72E-04	2.75E-07	1.17E-07
5971	483115.22, 3856291.01	8.78E-04	2.77E-07	1.18E-07	8.95E-04	2.83E-07	1.20E-07	8.94E-04	2.82E-07	1.20E-07
5972	483114.2, 3856198.51	9.00E-04	2.84E-07	1.21E-07	9.19E-04	2.90E-07	1.23E-07	9.17E-04	2.90E-07	1.23E-07
5973	483113.17, 3856106.02	9.27E-04	2.93E-07	1.24E-07	9.46E-04	2.99E-07	1.27E-07	9.45E-04	2.98E-07	1.27E-07
5974	483112.15, 3856013.52	9.54E-04	3.01E-07	1.28E-07	9.74E-04	3.07E-07	1.30E-07	9.72E-04	3.07E-07	1.30E-07
5975	483029.25, 3855920.47	9.80E-04	3.09E-07	1.31E-07	1.00E-03	3.16E-07	1.34E-07	9.99E-04	3.15E-07	1.34E-07
5976	482947.37, 3855919.91	9.77E-04	3.08E-07	1.31E-07	9.97E-04	3.15E-07	1.34E-07	9.96E-04	3.14E-07	1.33E-07
5977	482865.49, 3855919.36	9.75E-04	3.08E-07	1.31E-07	9.95E-04	3.14E-07	1.33E-07	9.93E-04	3.14E-07	1.33E-07
5978	482783.61, 3855918.8	9.74E-04	3.08E-07	1.30E-07	9.94E-04	3.14E-07	1.33E-07	9.93E-04	3.13E-07	1.33E-07
5979	482700.33, 3855818.39	1.01E-03	3.18E-07	1.35E-07	1.03E-03	3.24E-07	1.38E-07	1.03E-03	3.24E-07	1.38E-07
5980	482698.92, 3855718.54	1.05E-03	3.30E-07	1.40E-07	1.07E-03	3.37E-07	1.43E-07	1.07E-03	3.36E-07	1.43E-07
5981	482697.52, 3855618.68	1.08E-03	3.42E-07	1.45E-07	1.11E-03	3.49E-07	1.48E-07	1.10E-03	3.49E-07	1.48E-07
5982	482696.11, 3855518.83	1.13E-03	3.56E-07	1.51E-07	1.15E-03	3.63E-07	1.54E-07	1.15E-03	3.63E-07	1.54E-07
5983	482694.71, 3855418.98	1.17E-03	3.70E-07	1.57E-07	1.19E-03	3.77E-07	1.60E-07	1.19E-03	3.77E-07	1.60E-07
5984	482693.3, 3855319.13	1.22E-03	3.85E-07	1.63E-07	1.24E-03	3.92E-07	1.66E-07	1.24E-03	3.92E-07	1.66E-07
5985	482691.9, 3855219.27	1.27E-03	4.01E-07	1.70E-07	1.30E-03	4.09E-07	1.74E-07	1.30E-03	4.09E-07	1.73E-07
5986	482690.49, 3855119.42	1.33E-03	4.19E-07	1.78E-07	1.35E-03	4.28E-07	1.81E-07	1.35E-03	4.27E-07	1.81E-07
5987	482689.09, 3855019.57	1.39E-03	4.40E-07	1.87E-07	1.42E-03	4.49E-07	1.90E-07	1.42E-03	4.48E-07	1.90E-07
5988	482687.68, 3854919.72	1.46E-03	4.62E-07	1.96E-07	1.49E-03	4.72E-07	2.00E-07	1.49E-03	4.71E-07	2.00E-07
5989	482686.28, 3854819.86	1.55E-03	4.89E-07	2.07E-07	1.58E-03	4.99E-07	2.12E-07	1.58E-03	4.98E-07	2.11E-07
5990	482684.88, 3854720.01	1.64E-03	5.17E-07	2.19E-07	1.67E-03	5.27E-07	2.24E-07	1.67E-03	5.26E-07	2.23E-07
5991	482683.47, 3854620.16	1.74E-03	5.50E-07	2.34E-07	1.78E-03	5.62E-07	2.38E-07	1.78E-03	5.61E-07	2.38E-07
5992	482682.07, 3854520.31	1.86E-03	5.89E-07	2.50E-07	1.90E-03	6.01E-07	2.55E-07	1.90E-03	6.00E-07	2.54E-07
5993	482680.66, 3854420.45	2.01E-03	6.33E-07	2.69E-07	2.05E-03	6.46E-07	2.74E-07	2.04E-03	6.45E-07	2.74E-07
5994	482679.26, 3854320.6	2.17E-03	6.86E-07	2.91E-07	2.22E-03	7.00E-07	2.97E-07	2.21E-03	6.99E-07	2.97E-07
5995	482677.85, 3854220.75	2.38E-03	7.52E-07	3.19E-07	2.43E-03	7.67E-07	3.25E-07	2.43E-03	7.66E-07	3.25E-07
5996	482676.45, 3854120.9	2.63E-03	8.30E-07	3.52E-07	2.68E-03	8.47E-07	3.59E-07	2.68E-03	8.46E-07	3.59E-07
5997	482675.04, 3854021.04	2.95E-03	9.30E-07	3.95E-07	3.01E-03	9.49E-07	4.03E-07	3.00E-03	9.48E-07	4.02E-07
5998	482673.64, 3853921.19	3.36E-03	1.06E-06	4.50E-07	3.43E-03	1.08E-06	4.59E-07	3.42E-03	1.08E-06	4.58E-07
5999	482672.23, 3853821.34	3.98E-03	1.25E-06	5.32E-07	4.06E-03	1.28E-06	5.43E-07	4.05E-03	1.28E-06	5.43E-07
6000	482670.83, 3853721.49	4.94E-03	1.56E-06	6.62E-07	5.04E-03	1.59E-06	6.75E-07	5.04E-03	1.59E-06	6.74E-07
6001	482669.42, 3853621.63	6.57E-03	2.07E-06	8.79E-07	6.70E-03	2.11E-06	8.97E-07	6.69E-03	2.11E-06	8.96E-07
6002	482645.99, 3853446.13	1.28E-02	4.04E-06	1.71E-06	1.31E-02	4.12E-06	1.75E-06	1.30E-02	4.12E-06	1.75E-06
6003	482623.97, 3853370.49	1.53E-02	4.81E-06	2.04E-06	1.56E-02	4.91E-06	2.08E-06	1.55E-02	4.91E-06	2.08E-06
6004	482601.94, 3853294.84	1.73E-02	5.47E-06	2.32E-06	1.77E-02	5.58E-06	2.37E-06	1.77E-02	5.57E-06	2.37E-06
6005	482531.29, 3853133.44	2.08E-02	6.57E-06	2.79E-06	2.12E-02	6.70E-06	2.84E-06	2.12E-02	6.69E-06	2.84E-06
6006	482482.68, 3853047.69	2.32E-02	7.32E-06	3.10E-06	2.37E-02	7.47E-06	3.17E-06	2.36E-02	7.46E-06	3.16E-06
6007	482383.09, 3852897.4	2.89E-02	9.11E-06	3.87E-06	2.95E-02	9.30E-06	3.95E-06	2.94E-02	9.29E-06	3.94E-06
6008	482265.64, 3852765.26	3.09E-02	9.74E-06	4.13E-06	3.15E-02	9.94E-06	4.22E-06	3.14E-02	9.93E-06	4.21E-06
6009	482199.16, 3852697.66	3.08E-02	9.73E-06	4.13E-06	3.15E-02	9.93E-06	4.21E-06	3.14E-02	9.92E-06	4.21E-06
6010	482132.69, 3852630.07	3.10E-02	9.79E-06	4.15E-06	3.16E-02	9.99E-06	4.24E-06	3.16E-02	9.97E-06	4.23E-06
6011	482066.21, 3852562.48	3.08E-02	9.72E-06	4.12E-06	3.14E-02	9.92E-06	4.21E-06	3.14E-02	9.90E-06	4.20E-06
6012	481999.74, 3852494.89	3.02E-02	9.54E-06	4.05E-06	3.08E-02	9.73E-06	4.13E-06	3.08E-02	9.72E-06	4.12E-06
6013	481933.26, 3852427.29	2.95E-02	9.31E-06	3.95E-06	3.01E-02	9.50E-06	4.03E-06	3.01E-02	9.49E-06	4.03E-06
6014	481866.79, 3852359.7	2.93E-02	9.26E-06	3.93E-06	2.99E-02	9.45E-06	4.01E-06	2.99E-02	9.43E-06	4.00E-06
6015	481800.31, 3852292.11	2.92E-02	9.23E-06	3.91E-06	2.98E-02	9.41E-06	3.99E-06	2.98E-02	9.40E-06	3.99E-06
6016	481733.84, 3852224.52	2.90E-02	9.16E-06	3.89E-06	2.96E-02	9.35E-06	3.97E-06	2.96E-02	9.34E-06	3.96E-06

6017 481667.36, 3852156.92	2.96E-02	9.35E-06	3.97E-06	3.02E-02	9.54E-06	4.05E-06	3.02E-02	9.53E-06	4.04E-06
6018 481600.89, 3852089.33	2.93E-02	9.25E-06	3.93E-06	2.99E-02	9.44E-06	4.01E-06	2.99E-02	9.43E-06	4.00E-06
6019 481534.41, 3852021.74	2.91E-02	9.17E-06	3.89E-06	2.97E-02	9.36E-06	3.97E-06	2.96E-02	9.35E-06	3.97E-06
6020 481467.94, 3851954.15	2.93E-02	9.23E-06	3.92E-06	2.98E-02	9.42E-06	4.00E-06	2.98E-02	9.41E-06	3.99E-06
6021 481401.46, 3851886.55	3.01E-02	9.51E-06	4.04E-06	3.08E-02	9.71E-06	4.12E-06	3.07E-02	9.70E-06	4.11E-06
6022 481265.87, 3851761.43	3.08E-02	9.72E-06	4.12E-06	3.14E-02	9.92E-06	4.21E-06	3.14E-02	9.91E-06	4.20E-06
6023 481196.74, 3851703.89	3.14E-02	9.90E-06	4.20E-06	3.20E-02	1.01E-05	4.29E-06	3.20E-02	1.01E-05	4.28E-06
6024 481076.33, 3851619.05	3.15E-02	9.93E-06	4.21E-06	3.21E-02	1.01E-05	4.30E-06	3.21E-02	1.01E-05	4.30E-06
6025 480939.8, 3851549.07	3.00E-02	9.47E-06	4.02E-06	3.06E-02	9.66E-06	4.10E-06	3.06E-02	9.65E-06	4.09E-06
6026 480854.56, 3851506.41	2.99E-02	9.44E-06	4.01E-06	3.05E-02	9.63E-06	4.09E-06	3.05E-02	9.62E-06	4.08E-06
6027 480769.32, 3851463.75	3.03E-02	9.57E-06	4.06E-06	3.09E-02	9.76E-06	4.14E-06	3.09E-02	9.75E-06	4.14E-06
6028 480684.08, 3851421.08	3.08E-02	9.73E-06	4.13E-06	3.15E-02	9.93E-06	4.21E-06	3.14E-02	9.91E-06	4.21E-06
6029 480598.84, 3851378.42	3.07E-02	9.70E-06	4.12E-06	3.14E-02	9.90E-06	4.20E-06	3.13E-02	9.89E-06	4.20E-06
6030 480435.71, 3851275.01	3.64E-02	1.15E-05	4.87E-06	3.71E-02	1.17E-05	4.97E-06	3.71E-02	1.17E-05	4.96E-06
6031 480347.85, 3851232.36	3.62E-02	1.14E-05	4.85E-06	3.69E-02	1.17E-05	4.95E-06	3.69E-02	1.16E-05	4.94E-06
6032 480260, 3851189.72	3.61E-02	1.14E-05	4.84E-06	3.69E-02	1.16E-05	4.94E-06	3.68E-02	1.16E-05	4.93E-06
6033 480172.15, 3851147.07	3.60E-02	1.14E-05	4.82E-06	3.68E-02	1.16E-05	4.92E-06	3.67E-02	1.16E-05	4.92E-06
6034 480084.29, 3851104.42	3.61E-02	1.14E-05	4.84E-06	3.69E-02	1.16E-05	4.94E-06	3.68E-02	1.16E-05	4.93E-06
6035 479996.44, 3851061.77	3.63E-02	1.14E-05	4.85E-06	3.70E-02	1.17E-05	4.95E-06	3.69E-02	1.17E-05	4.95E-06
6036 479908.58, 3851019.13	3.79E-02	1.20E-05	5.08E-06	3.87E-02	1.22E-05	5.18E-06	3.86E-02	1.22E-05	5.17E-06
6037 479820.73, 3850976.48	3.79E-02	1.19E-05	5.07E-06	3.86E-02	1.22E-05	5.17E-06	3.86E-02	1.22E-05	5.17E-06
6038 479732.88, 3850933.83	3.79E-02	1.20E-05	5.08E-06	3.87E-02	1.22E-05	5.18E-06	3.86E-02	1.22E-05	5.17E-06
6039 479645.02, 3850891.18	3.80E-02	1.20E-05	5.08E-06	3.87E-02	1.22E-05	5.19E-06	3.87E-02	1.22E-05	5.18E-06
6040 479557.17, 3850848.54	3.76E-02	1.19E-05	5.04E-06	3.84E-02	1.21E-05	5.14E-06	3.84E-02	1.21E-05	5.14E-06
6041 479469.32, 3850805.89	3.86E-02	1.22E-05	5.16E-06	3.93E-02	1.24E-05	5.27E-06	3.93E-02	1.24E-05	5.26E-06
6042 479381.46, 3850763.24	3.81E-02	1.20E-05	5.11E-06	3.89E-02	1.23E-05	5.21E-06	3.89E-02	1.23E-05	5.21E-06
6043 479293.61, 3850720.59	3.71E-02	1.17E-05	4.96E-06	3.78E-02	1.19E-05	5.06E-06	3.78E-02	1.19E-05	5.06E-06
6044 479205.76, 3850677.95	3.62E-02	1.14E-05	4.85E-06	3.70E-02	1.17E-05	4.95E-06	3.69E-02	1.17E-05	4.94E-06
6045 479117.9, 3850635.3	3.47E-02	1.10E-05	4.65E-06	3.54E-02	1.12E-05	4.74E-06	3.54E-02	1.12E-05	4.74E-06
6046 479030.05, 3850592.65	3.38E-02	1.07E-05	4.53E-06	3.45E-02	1.09E-05	4.63E-06	3.45E-02	1.09E-05	4.62E-06
6047 478942.19, 3850550	3.45E-02	1.09E-05	4.63E-06	3.53E-02	1.11E-05	4.72E-06	3.52E-02	1.11E-05	4.72E-06
6048 478854.34, 3850507.36	3.81E-02	1.20E-05	5.11E-06	3.89E-02	1.23E-05	5.21E-06	3.89E-02	1.23E-05	5.21E-06
6049 478766.49, 3850464.71	3.88E-02	1.22E-05	5.20E-06	3.96E-02	1.25E-05	5.30E-06	3.95E-02	1.25E-05	5.30E-06
6050 478678.63, 3850422.06	3.88E-02	1.23E-05	5.20E-06	3.96E-02	1.25E-05	5.30E-06	3.96E-02	1.25E-05	5.30E-06
6051 478590.78, 3850379.41	3.91E-02	1.23E-05	5.24E-06	3.99E-02	1.26E-05	5.35E-06	3.99E-02	1.26E-05	5.34E-06
6052 478502.93, 3850336.77	3.90E-02	1.23E-05	5.22E-06	3.98E-02	1.26E-05	5.33E-06	3.97E-02	1.25E-05	5.32E-06
6053 478415.07, 3850294.12	3.85E-02	1.22E-05	5.16E-06	3.93E-02	1.24E-05	5.27E-06	3.93E-02	1.24E-05	5.26E-06
6054 478327.22, 3850251.47	3.91E-02	1.23E-05	5.23E-06	3.99E-02	1.26E-05	5.34E-06	3.98E-02	1.26E-05	5.33E-06
6055 478239.36, 3850208.82	3.94E-02	1.24E-05	5.27E-06	4.02E-02	1.27E-05	5.38E-06	4.01E-02	1.27E-05	5.37E-06
6056 478151.51, 3850166.18	3.95E-02	1.25E-05	5.29E-06	4.03E-02	1.27E-05	5.40E-06	4.03E-02	1.27E-05	5.40E-06
6057 478063.66, 3850123.53	3.97E-02	1.25E-05	5.32E-06	4.05E-02	1.28E-05	5.43E-06	4.05E-02	1.28E-05	5.42E-06
6058 477975.8, 3850080.88	3.77E-02	1.19E-05	5.05E-06	3.85E-02	1.22E-05	5.16E-06	3.85E-02	1.21E-05	5.15E-06
6059 477887.95, 3850038.23	3.74E-02	1.18E-05	5.01E-06	3.82E-02	1.20E-05	5.11E-06	3.81E-02	1.20E-05	5.10E-06
6060 477800.1, 3849995.59	3.66E-02	1.16E-05	4.90E-06	3.73E-02	1.18E-05	5.00E-06	3.73E-02	1.18E-05	4.99E-06
6061 477712.24, 3849952.94	3.68E-02	1.16E-05	4.92E-06	3.75E-02	1.18E-05	5.02E-06	3.75E-02	1.18E-05	5.02E-06
6062 477624.39, 3849910.29	3.67E-02	1.16E-05	4.91E-06	3.74E-02	1.18E-05	5.01E-06	3.74E-02	1.18E-05	5.00E-06
6063 477536.54, 3849867.64	3.60E-02	1.14E-05	4.82E-06	3.67E-02	1.16E-05	4.92E-06	3.67E-02	1.16E-05	4.91E-06
6064 477448.68, 3849825	3.59E-02	1.13E-05	4.81E-06	3.66E-02	1.16E-05	4.91E-06	3.66E-02	1.15E-05	4.90E-06
6065 477360.83, 3849782.35	3.57E-02	1.13E-05	4.78E-06	3.64E-02	1.15E-05	4.88E-06	3.64E-02	1.15E-05	4.87E-06
6066 477272.97, 3849739.7	3.56E-02	1.12E-05	4.77E-06	3.63E-02	1.15E-05	4.86E-06	3.63E-02	1.15E-05	4.86E-06
6067 477185.12, 3849697.05	3.54E-02	1.12E-05	4.75E-06	3.62E-02	1.14E-05	4.84E-06	3.61E-02	1.14E-05	4.84E-06
6068 477097.27, 3849654.41	3.58E-02	1.13E-05	4.80E-06	3.66E-02	1.15E-05	4.90E-06	3.65E-02	1.15E-05	4.89E-06
6069 477009.41, 3849611.76	3.74E-02	1.18E-05	5.01E-06	3.82E-02	1.21E-05	5.11E-06	3.82E-02	1.20E-05	5.11E-06
6070 476841.49, 3849530.08	3.84E-02	1.21E-05	5.15E-06	3.92E-02	1.24E-05	5.25E-06	3.92E-02	1.24E-05	5.25E-06
6071 476761.41, 3849491.05	3.88E-02	1.22E-05	5.20E-06	3.96E-02	1.25E-05	5.30E-06	3.95E-02	1.25E-05	5.30E-06
6072 476681.34, 3849452.02	4.05E-02	1.28E-05	5.42E-06	4.13E-02	1.30E-05	5.53E-06	4.13E-02	1.30E-05	5.53E-06
6073 476601.26, 3849412.99	4.39E-02	1.39E-05	5.88E-06	4.48E-02	1.41E-05	6.00E-06	4.48E-02	1.41E-05	6.00E-06
6074 476456.32, 3849353.67	5.26E-02	1.66E-05	7.04E-06	5.36E-02	1.69E-05	7.18E-06	5.36E-02	1.69E-05	7.17E-06
6075 476305.43, 3849318.84	4.99E-02	1.58E-05	6.68E-06	5.09E-02	1.61E-05	6.82E-06	5.09E-02	1.61E-05	6.81E-06
6076 476129.36, 3849289.99	4.91E-02	1.55E-05	6.58E-06	5.02E-02	1.58E-05	6.72E-06	5.01E-02	1.58E-05	6.71E-06
6077 476039.31, 3849275.68	4.81E-02	1.52E-05	6.45E-06	4.91E-02	1.55E-05	6.58E-06	4.91E-02	1.55E-05	6.57E-06
6078 475949.26, 3849261.38	5.00E-02	1.58E-05	6.70E-06	5.10E-02	1.61E-05	6.83E-06	5.10E-02	1.61E-05	6.83E-06
6079 475859.21, 3849247.08	4.81E-02	1.52E-05	6.44E-06	4.91E-02	1.55E-05	6.58E-06	4.90E-02	1.55E-05	6.57E-06
6080 475769.16, 3849232.77	4.63E-02	1.46E-05	6.20E-06	4.73E-02	1.49E-05	6.33E-06	4.72E-02	1.49E-05	6.32E-06
6081 475585.23, 3849219.27	2.52E-02	7.97E-06	3.38E-06	2.58E-02	8.13E-06	3.45E-06	2.57E-02	8.12E-06	3.45E-06
6082 475444.5, 3849150.35	4.78E-02	1.51E-05	6.40E-06	4.88E-02	1.54E-05	6.53E-06	4.87E-02	1.54E-05	6.52E-06
6083 475334.18, 3849118.71	3.60E-02	1.14E-05	4.83E-06	3.68E-02	1.16E-05	4.93E-06	3.67E-02	1.16E-05	4.92E-06
6084 475230.47, 3849060.57	3.62E-02	1.14E-05	4.84E-06	3.69E-02	1.16E-05	4.94E-06	3.68E-02	1.16E-05	4.93E-06
6085 475110.86, 3848960.97	4.32E-02	1.36E-05	5.79E-06	4.41E-02	1.39E-05	5.90E-06	4.40E-02	1.39E-05	5.90E-06
6086 475037.79, 3848896.28	4.49E-02	1.42E-05	6.02E-06	4.59E-02	1.45E-05	6.14E-06	4.58E-02	1.45E-05	6.13E-06

6087 474964.72, 3848831.59	4.65E-02	1.47E-05	6.22E-06	4.74E-02	1.50E-05	6.35E-06	4.74E-02	1.49E-05	6.34E-06
6088 474891.65, 3848766.9	4.63E-02	1.46E-05	6.21E-06	4.73E-02	1.49E-05	6.33E-06	4.72E-02	1.49E-05	6.32E-06
6089 474818.58, 3848702.22	4.67E-02	1.47E-05	6.26E-06	4.77E-02	1.50E-05	6.38E-06	4.76E-02	1.50E-05	6.38E-06
6090 474745.51, 3848637.53	4.22E-02	1.33E-05	5.65E-06	4.31E-02	1.36E-05	5.77E-06	4.30E-02	1.36E-05	5.76E-06
6091 474672.44, 3848572.84	4.16E-02	1.31E-05	5.57E-06	4.24E-02	1.34E-05	5.68E-06	4.24E-02	1.34E-05	5.68E-06
6092 474599.37, 3848508.15	4.28E-02	1.35E-05	5.73E-06	4.37E-02	1.38E-05	5.85E-06	4.36E-02	1.38E-05	5.84E-06
6093 474526.3, 3848443.46	4.26E-02	1.34E-05	5.71E-06	4.35E-02	1.37E-05	5.82E-06	4.34E-02	1.37E-05	5.81E-06

Leads - Worker Risk

		2028 RD			2033 RD			2048 RD		
Rec#	X, Y	Concentra	Dose	Risk	Concentra	Dose	Risk	Concentra	Dose	Risk
1	485973.61, 3854936.51	1.18E-03	1.87E-07	7.33E-08	1.21E-03	1.90E-07	7.48E-08	1.21E-03	1.90E-07	7.47E-08
2	486023.61, 3854936.51	1.18E-03	1.85E-07	7.29E-08	1.20E-03	1.89E-07	7.43E-08	1.20E-03	1.89E-07	7.43E-08
3	486073.61, 3854936.51	1.17E-03	1.85E-07	7.27E-08	1.20E-03	1.89E-07	7.42E-08	1.20E-03	1.89E-07	7.41E-08
4	486123.61, 3854936.51	1.16E-03	1.82E-07	7.17E-08	1.18E-03	1.86E-07	7.32E-08	1.18E-03	1.86E-07	7.31E-08
5	486173.61, 3854936.51	1.16E-03	1.83E-07	7.19E-08	1.19E-03	1.87E-07	7.34E-08	1.18E-03	1.87E-07	7.33E-08
6	486223.61, 3854936.51	1.15E-03	1.82E-07	7.14E-08	1.18E-03	1.85E-07	7.29E-08	1.18E-03	1.85E-07	7.28E-08
7	486273.61, 3854936.51	1.15E-03	1.81E-07	7.11E-08	1.17E-03	1.85E-07	7.26E-08	1.17E-03	1.85E-07	7.25E-08
8	486323.61, 3854936.51	1.15E-03	1.81E-07	7.09E-08	1.17E-03	1.84E-07	7.24E-08	1.17E-03	1.84E-07	7.23E-08
9	485973.61, 3854986.51	1.17E-03	1.85E-07	7.25E-08	1.20E-03	1.88E-07	7.40E-08	1.19E-03	1.88E-07	7.39E-08
10	486023.61, 3854986.51	1.17E-03	1.84E-07	7.22E-08	1.19E-03	1.88E-07	7.37E-08	1.19E-03	1.87E-07	7.36E-08
11	486073.61, 3854986.51	1.16E-03	1.83E-07	7.17E-08	1.18E-03	1.86E-07	7.32E-08	1.18E-03	1.86E-07	7.31E-08
12	486123.61, 3854986.51	1.15E-03	1.81E-07	7.12E-08	1.17E-03	1.85E-07	7.27E-08	1.17E-03	1.85E-07	7.26E-08
13	486173.61, 3854986.51	1.15E-03	1.81E-07	7.12E-08	1.17E-03	1.85E-07	7.26E-08	1.17E-03	1.85E-07	7.25E-08
14	486223.61, 3854986.51	1.14E-03	1.80E-07	7.06E-08	1.16E-03	1.83E-07	7.21E-08	1.16E-03	1.83E-07	7.20E-08
15	486273.61, 3854986.51	1.13E-03	1.78E-07	7.00E-08	1.15E-03	1.82E-07	7.14E-08	1.15E-03	1.82E-07	7.13E-08
16	486323.61, 3854986.51	1.14E-03	1.79E-07	7.03E-08	1.16E-03	1.83E-07	7.18E-08	1.16E-03	1.82E-07	7.17E-08
17	485973.61, 3855036.51	1.16E-03	1.83E-07	7.18E-08	1.18E-03	1.86E-07	7.32E-08	1.18E-03	1.86E-07	7.32E-08
18	486023.61, 3855036.51	1.15E-03	1.82E-07	7.14E-08	1.18E-03	1.85E-07	7.29E-08	1.18E-03	1.85E-07	7.28E-08
19	486073.61, 3855036.51	1.14E-03	1.80E-07	7.07E-08	1.17E-03	1.84E-07	7.22E-08	1.16E-03	1.83E-07	7.21E-08
20	486123.61, 3855036.51	1.14E-03	1.79E-07	7.03E-08	1.16E-03	1.83E-07	7.18E-08	1.16E-03	1.82E-07	7.17E-08
21	486173.61, 3855036.51	1.14E-03	1.79E-07	7.03E-08	1.16E-03	1.83E-07	7.17E-08	1.16E-03	1.82E-07	7.17E-08
22	486223.61, 3855036.51	1.13E-03	1.77E-07	6.96E-08	1.15E-03	1.81E-07	7.10E-08	1.15E-03	1.81E-07	7.10E-08
23	486273.61, 3855036.51	1.13E-03	1.77E-07	6.97E-08	1.15E-03	1.81E-07	7.11E-08	1.15E-03	1.81E-07	7.10E-08
24	486323.61, 3855036.51	1.12E-03	1.76E-07	6.93E-08	1.14E-03	1.80E-07	7.07E-08	1.14E-03	1.80E-07	7.06E-08
25	485973.61, 3855086.51	1.15E-03	1.80E-07	7.09E-08	1.17E-03	1.84E-07	7.23E-08	1.17E-03	1.84E-07	7.22E-08
26	486023.61, 3855086.51	1.14E-03	1.80E-07	7.07E-08	1.17E-03	1.84E-07	7.21E-08	1.16E-03	1.83E-07	7.20E-08
27	486073.61, 3855086.51	1.13E-03	1.78E-07	7.00E-08	1.15E-03	1.82E-07	7.15E-08	1.15E-03	1.82E-07	7.14E-08
28	486123.61, 3855086.51	1.13E-03	1.78E-07	6.98E-08	1.15E-03	1.81E-07	7.13E-08	1.15E-03	1.81E-07	7.12E-08
29	486173.61, 3855086.51	1.12E-03	1.76E-07	6.93E-08	1.14E-03	1.80E-07	7.07E-08	1.14E-03	1.80E-07	7.06E-08
30	486223.61, 3855086.51	1.12E-03	1.76E-07	6.90E-08	1.14E-03	1.79E-07	7.05E-08	1.14E-03	1.79E-07	7.04E-08
31	485973.61, 3855136.51	1.13E-03	1.79E-07	7.02E-08	1.16E-03	1.82E-07	7.17E-08	1.16E-03	1.82E-07	7.16E-08
32	486023.61, 3855136.51	1.13E-03	1.78E-07	6.99E-08	1.15E-03	1.81E-07	7.13E-08	1.15E-03	1.81E-07	7.12E-08
33	486073.61, 3855136.51	1.12E-03	1.77E-07	6.94E-08	1.14E-03	1.80E-07	7.09E-08	1.14E-03	1.80E-07	7.08E-08
34	486123.61, 3855136.51	1.12E-03	1.76E-07	6.91E-08	1.14E-03	1.80E-07	7.05E-08	1.14E-03	1.79E-07	7.04E-08
35	486173.61, 3855136.51	1.11E-03	1.75E-07	6.87E-08	1.13E-03	1.78E-07	7.01E-08	1.13E-03	1.78E-07	7.00E-08
36	486223.61, 3855136.51	1.10E-03	1.74E-07	6.83E-08	1.13E-03	1.77E-07	6.97E-08	1.13E-03	1.77E-07	6.96E-08
37	485973.61, 3855186.51	1.12E-03	1.77E-07	6.96E-08	1.15E-03	1.81E-07	7.10E-08	1.15E-03	1.80E-07	7.09E-08
38	486023.61, 3855186.51	1.12E-03	1.76E-07	6.92E-08	1.14E-03	1.80E-07	7.07E-08	1.14E-03	1.80E-07	7.06E-08
39	486073.61, 3855186.51	1.11E-03	1.75E-07	6.87E-08	1.13E-03	1.78E-07	7.01E-08	1.13E-03	1.78E-07	7.00E-08
40	486123.61, 3855186.51	1.10E-03	1.73E-07	6.81E-08	1.12E-03	1.77E-07	6.95E-08	1.12E-03	1.77E-07	6.94E-08
41	486173.61, 3855186.51	1.10E-03	1.73E-07	6.78E-08	1.12E-03	1.76E-07	6.92E-08	1.12E-03	1.76E-07	6.91E-08
42	486223.61, 3855186.51	1.09E-03	1.72E-07	6.74E-08	1.11E-03	1.75E-07	6.88E-08	1.11E-03	1.75E-07	6.87E-08
43	486273.61, 3855186.51	1.08E-03	1.71E-07	6.70E-08	1.11E-03	1.74E-07	6.84E-08	1.10E-03	1.74E-07	6.83E-08
44	486323.61, 3855186.51	1.09E-03	1.72E-07	6.75E-08	1.11E-03	1.75E-07	6.89E-08	1.11E-03	1.75E-07	6.88E-08
45	485973.61, 3855236.51	1.11E-03	1.75E-07	6.88E-08	1.13E-03	1.79E-07	7.02E-08	1.13E-03	1.79E-07	7.01E-08
46	486023.61, 3855236.51	1.10E-03	1.74E-07	6.83E-08	1.13E-03	1.77E-07	6.97E-08	1.12E-03	1.77E-07	6.96E-08
47	486073.61, 3855236.51	1.09E-03	1.72E-07	6.77E-08	1.12E-03	1.76E-07	6.91E-08	1.11E-03	1.76E-07	6.90E-08
48	486123.61, 3855236.51	1.09E-03	1.71E-07	6.73E-08	1.11E-03	1.75E-07	6.87E-08	1.11E-03	1.75E-07	6.86E-08
49	486173.61, 3855236.51	1.08E-03	1.71E-07	6.70E-08	1.10E-03	1.74E-07	6.84E-08	1.10E-03	1.74E-07	6.83E-08
50	486223.61, 3855236.51	1.08E-03	1.70E-07	6.66E-08	1.10E-03	1.73E-07	6.80E-08	1.10E-03	1.73E-07	6.79E-08
51	486273.61, 3855236.51	1.06E-03	1.67E-07	6.58E-08	1.08E-03	1.71E-07	6.71E-08	1.08E-03	1.71E-07	6.71E-08
52	486323.61, 3855236.51	1.08E-03	1.70E-07	6.67E-08	1.10E-03	1.73E-07	6.80E-08	1.10E-03	1.73E-07	6.80E-08
53	485973.61, 3855286.51	1.10E-03	1.73E-07	6.81E-08	1.12E-03	1.77E-07	6.94E-08	1.12E-03	1.77E-07	6.94E-08
54	486023.61, 3855286.51	1.09E-03	1.72E-07	6.75E-08	1.11E-03	1.75E-07	6.88E-08	1.11E-03	1.75E-07	6.88E-08
55	486073.61, 3855286.51	1.08E-03	1.70E-07	6.70E-08	1.10E-03	1.74E-07	6.83E-08	1.10E-03	1.74E-07	6.83E-08
56	486123.61, 3855286.51	1.07E-03	1.69E-07	6.64E-08	1.10E-03	1.73E-07	6.78E-08	1.09E-03	1.72E-07	6.77E-08
57	486173.61, 3855286.51	1.07E-03	1.68E-07	6.60E-08	1.09E-03	1.71E-07	6.73E-08	1.09E-03	1.71E-07	6.72E-08
58	486223.61, 3855286.51	1.06E-03	1.67E-07	6.57E-08	1.08E-03	1.71E-07	6.71E-08	1.08E-03	1.71E-07	6.70E-08
59	486123.61, 3855336.51	1.06E-03	1.67E-07	6.56E-08	1.08E-03	1.70E-07	6.69E-08	1.08E-03	1.70E-07	6.68E-08

60	486173.61, 3855336.51	1.05E-03	1.66E-07	6.53E-08	1.08E-03	1.70E-07	6.66E-08	1.07E-03	1.69E-07	6.65E-08
61	486223.61, 3855336.51	1.05E-03	1.65E-07	6.49E-08	1.07E-03	1.69E-07	6.62E-08	1.07E-03	1.68E-07	6.62E-08
62	486123.61, 3855386.51	1.05E-03	1.65E-07	6.48E-08	1.07E-03	1.68E-07	6.62E-08	1.07E-03	1.68E-07	6.61E-08
63	486173.61, 3855386.51	1.04E-03	1.64E-07	6.45E-08	1.06E-03	1.68E-07	6.58E-08	1.06E-03	1.67E-07	6.57E-08
64	486223.61, 3855386.51	1.04E-03	1.63E-07	6.42E-08	1.06E-03	1.67E-07	6.55E-08	1.06E-03	1.67E-07	6.54E-08
65	486533.18, 3855443.15	1.01E-03	1.59E-07	6.24E-08	1.03E-03	1.62E-07	6.37E-08	1.03E-03	1.62E-07	6.36E-08
66	486583.18, 3855443.15	1.00E-03	1.58E-07	6.21E-08	1.02E-03	1.61E-07	6.34E-08	1.02E-03	1.61E-07	6.33E-08
67	486633.18, 3855443.15	9.99E-04	1.57E-07	6.19E-08	1.02E-03	1.61E-07	6.31E-08	1.02E-03	1.60E-07	6.30E-08
68	486683.18, 3855443.15	9.98E-04	1.57E-07	6.18E-08	1.02E-03	1.60E-07	6.30E-08	1.02E-03	1.60E-07	6.30E-08
69	486533.18, 3855493.15	9.96E-04	1.57E-07	6.16E-08	1.02E-03	1.60E-07	6.29E-08	1.02E-03	1.60E-07	6.28E-08
70	486583.18, 3855493.15	9.93E-04	1.56E-07	6.15E-08	1.01E-03	1.60E-07	6.27E-08	1.01E-03	1.59E-07	6.26E-08
71	486633.18, 3855493.15	9.89E-04	1.56E-07	6.12E-08	1.01E-03	1.59E-07	6.25E-08	1.01E-03	1.59E-07	6.24E-08
72	486683.18, 3855493.15	9.85E-04	1.55E-07	6.10E-08	1.01E-03	1.58E-07	6.22E-08	1.00E-03	1.58E-07	6.22E-08
73	486533.18, 3855543.15	9.86E-04	1.55E-07	6.10E-08	1.01E-03	1.58E-07	6.23E-08	1.00E-03	1.58E-07	6.22E-08
74	486583.18, 3855543.15	9.80E-04	1.54E-07	6.06E-08	1.00E-03	1.57E-07	6.19E-08	9.99E-04	1.57E-07	6.18E-08
75	486633.18, 3855543.15	9.77E-04	1.54E-07	6.05E-08	9.97E-04	1.57E-07	6.17E-08	9.96E-04	1.57E-07	6.16E-08
76	486683.18, 3855543.15	9.70E-04	1.53E-07	6.00E-08	9.90E-04	1.56E-07	6.12E-08	9.88E-04	1.56E-07	6.12E-08
77	486533.18, 3855593.15	9.74E-04	1.53E-07	6.03E-08	9.94E-04	1.57E-07	6.15E-08	9.93E-04	1.56E-07	6.14E-08
78	486583.18, 3855593.15	9.69E-04	1.53E-07	6.00E-08	9.89E-04	1.56E-07	6.12E-08	9.88E-04	1.56E-07	6.11E-08
79	486633.18, 3855593.15	9.65E-04	1.52E-07	5.97E-08	9.85E-04	1.55E-07	6.10E-08	9.84E-04	1.55E-07	6.09E-08
80	486683.18, 3855593.15	9.63E-04	1.52E-07	5.96E-08	9.82E-04	1.55E-07	6.08E-08	9.81E-04	1.55E-07	6.07E-08
81	486533.18, 3855643.15	9.63E-04	1.52E-07	5.96E-08	9.83E-04	1.55E-07	6.08E-08	9.82E-04	1.55E-07	6.08E-08
82	486583.18, 3855643.15	9.59E-04	1.51E-07	5.94E-08	9.79E-04	1.54E-07	6.06E-08	9.78E-04	1.54E-07	6.05E-08
83	486633.18, 3855643.15	9.55E-04	1.50E-07	5.91E-08	9.75E-04	1.54E-07	6.03E-08	9.74E-04	1.53E-07	6.03E-08
84	486683.18, 3855643.15	9.52E-04	1.50E-07	5.89E-08	9.71E-04	1.53E-07	6.01E-08	9.70E-04	1.53E-07	6.00E-08
85	486533.18, 3855693.15	9.55E-04	1.50E-07	5.91E-08	9.75E-04	1.54E-07	6.03E-08	9.74E-04	1.53E-07	6.03E-08
86	486583.18, 3855693.15	9.48E-04	1.49E-07	5.87E-08	9.68E-04	1.52E-07	5.99E-08	9.66E-04	1.52E-07	5.98E-08
87	486633.18, 3855693.15	9.41E-04	1.48E-07	5.82E-08	9.60E-04	1.51E-07	5.94E-08	9.59E-04	1.51E-07	5.93E-08
88	486683.18, 3855693.15	9.41E-04	1.48E-07	5.82E-08	9.60E-04	1.51E-07	5.94E-08	9.59E-04	1.51E-07	5.94E-08
89	486733.18, 3855693.15	9.45E-04	1.49E-07	5.85E-08	9.64E-04	1.52E-07	5.97E-08	9.63E-04	1.52E-07	5.96E-08
90	486783.18, 3855693.15	9.50E-04	1.50E-07	5.88E-08	9.69E-04	1.53E-07	6.00E-08	9.68E-04	1.52E-07	5.99E-08
91	486533.18, 3855743.15	9.46E-04	1.49E-07	5.85E-08	9.65E-04	1.52E-07	5.97E-08	9.64E-04	1.52E-07	5.97E-08
92	486583.18, 3855743.15	9.36E-04	1.47E-07	5.79E-08	9.55E-04	1.50E-07	5.91E-08	9.54E-04	1.50E-07	5.90E-08
93	486633.18, 3855743.15	9.31E-04	1.47E-07	5.76E-08	9.50E-04	1.50E-07	5.88E-08	9.49E-04	1.50E-07	5.88E-08
94	486683.18, 3855743.15	9.34E-04	1.47E-07	5.78E-08	9.53E-04	1.50E-07	5.90E-08	9.52E-04	1.50E-07	5.89E-08
95	486733.18, 3855743.15	9.33E-04	1.47E-07	5.78E-08	9.53E-04	1.50E-07	5.90E-08	9.51E-04	1.50E-07	5.89E-08
96	486783.18, 3855743.15	9.40E-04	1.48E-07	5.82E-08	9.59E-04	1.51E-07	5.94E-08	9.58E-04	1.51E-07	5.93E-08
97	486533.18, 3855793.15	9.38E-04	1.48E-07	5.80E-08	9.57E-04	1.51E-07	5.92E-08	9.56E-04	1.51E-07	5.91E-08
98	486583.18, 3855793.15	9.24E-04	1.46E-07	5.72E-08	9.43E-04	1.48E-07	5.83E-08	9.42E-04	1.48E-07	5.83E-08
99	486633.18, 3855793.15	9.25E-04	1.46E-07	5.73E-08	9.44E-04	1.49E-07	5.84E-08	9.43E-04	1.49E-07	5.84E-08
100	486683.18, 3855793.15	9.28E-04	1.46E-07	5.74E-08	9.47E-04	1.49E-07	5.86E-08	9.45E-04	1.49E-07	5.85E-08
101	486733.18, 3855793.15	9.28E-04	1.46E-07	5.75E-08	9.47E-04	1.49E-07	5.86E-08	9.46E-04	1.49E-07	5.86E-08
102	486783.18, 3855793.15	9.30E-04	1.47E-07	5.76E-08	9.49E-04	1.50E-07	5.87E-08	9.48E-04	1.49E-07	5.87E-08
103	486533.18, 3855843.15	9.27E-04	1.46E-07	5.74E-08	9.46E-04	1.49E-07	5.85E-08	9.45E-04	1.49E-07	5.85E-08
104	486583.18, 3855843.15	9.17E-04	1.44E-07	5.68E-08	9.36E-04	1.47E-07	5.79E-08	9.35E-04	1.47E-07	5.78E-08
105	486633.18, 3855843.15	9.18E-04	1.45E-07	5.68E-08	9.37E-04	1.48E-07	5.80E-08	9.36E-04	1.47E-07	5.79E-08
106	486683.18, 3855843.15	9.20E-04	1.45E-07	5.69E-08	9.39E-04	1.48E-07	5.81E-08	9.38E-04	1.48E-07	5.80E-08
107	486733.18, 3855843.15	9.22E-04	1.45E-07	5.70E-08	9.41E-04	1.48E-07	5.82E-08	9.39E-04	1.48E-07	5.81E-08
108	486783.18, 3855843.15	9.23E-04	1.45E-07	5.71E-08	9.42E-04	1.48E-07	5.83E-08	9.41E-04	1.48E-07	5.82E-08
109	486533.18, 3855893.15	9.13E-04	1.44E-07	5.65E-08	9.32E-04	1.47E-07	5.77E-08	9.31E-04	1.47E-07	5.76E-08
110	486583.18, 3855893.15	9.13E-04	1.44E-07	5.65E-08	9.31E-04	1.47E-07	5.76E-08	9.30E-04	1.47E-07	5.76E-08
111	486633.18, 3855893.15	9.12E-04	1.44E-07	5.64E-08	9.30E-04	1.47E-07	5.76E-08	9.29E-04	1.46E-07	5.75E-08
112	486683.18, 3855893.15	9.13E-04	1.44E-07	5.65E-08	9.32E-04	1.47E-07	5.76E-08	9.30E-04	1.47E-07	5.76E-08
113	486733.18, 3855893.15	9.14E-04	1.44E-07	5.66E-08	9.33E-04	1.47E-07	5.77E-08	9.32E-04	1.47E-07	5.77E-08
114	486783.18, 3855893.15	9.17E-04	1.44E-07	5.68E-08	9.36E-04	1.47E-07	5.79E-08	9.35E-04	1.47E-07	5.78E-08
115	486533.18, 3855943.15	9.07E-04	1.43E-07	5.61E-08	9.26E-04	1.46E-07	5.73E-08	9.25E-04	1.46E-07	5.72E-08
116	486583.18, 3855943.15	9.09E-04	1.43E-07	5.62E-08	9.27E-04	1.46E-07	5.74E-08	9.26E-04	1.46E-07	5.73E-08
117	486633.18, 3855943.15	9.06E-04	1.43E-07	5.61E-08	9.25E-04	1.46E-07	5.72E-08	9.24E-04	1.46E-07	5.72E-08
118	486683.18, 3855943.15	9.08E-04	1.43E-07	5.62E-08	9.26E-04	1.46E-07	5.73E-08	9.25E-04	1.46E-07	5.73E-08
119	486733.18, 3855943.15	9.08E-04	1.43E-07	5.62E-08	9.26E-04	1.46E-07	5.73E-08	9.25E-04	1.46E-07	5.72E-08
120	486783.18, 3855943.15	9.10E-04	1.43E-07	5.63E-08	9.29E-04	1.46E-07	5.75E-08	9.28E-04	1.46E-07	5.74E-08
121	486533.18, 3855993.15	9.05E-04	1.43E-07	5.60E-08	9.23E-04	1.45E-07	5.71E-08	9.22E-04	1.45E-07	5.71E-08
122	486583.18, 3855993.15	9.03E-04	1.42E-07	5.59E-08	9.22E-04	1.45E-07	5.71E-08	9.21E-04	1.45E-07	5.70E-08

123	486633.18, 3855993.15	9.02E-04	1.42E-07	5.58E-08	9.20E-04	1.45E-07	5.70E-08	9.19E-04	1.45E-07	5.69E-08
124	486683.18, 3855993.15	9.03E-04	1.42E-07	5.59E-08	9.21E-04	1.45E-07	5.70E-08	9.20E-04	1.45E-07	5.69E-08
125	486733.18, 3855993.15	9.02E-04	1.42E-07	5.58E-08	9.21E-04	1.45E-07	5.70E-08	9.20E-04	1.45E-07	5.69E-08
126	486783.18, 3855993.15	9.03E-04	1.42E-07	5.59E-08	9.22E-04	1.45E-07	5.71E-08	9.21E-04	1.45E-07	5.70E-08
127	486533.18, 3856043.15	9.02E-04	1.42E-07	5.58E-08	9.21E-04	1.45E-07	5.70E-08	9.20E-04	1.45E-07	5.69E-08
128	486583.18, 3856043.15	9.01E-04	1.42E-07	5.58E-08	9.20E-04	1.45E-07	5.69E-08	9.19E-04	1.45E-07	5.69E-08
129	486633.18, 3856043.15	8.98E-04	1.42E-07	5.56E-08	9.17E-04	1.44E-07	5.67E-08	9.16E-04	1.44E-07	5.67E-08
130	486683.18, 3856043.15	8.99E-04	1.42E-07	5.56E-08	9.17E-04	1.44E-07	5.68E-08	9.16E-04	1.44E-07	5.67E-08
131	486733.18, 3856043.15	8.97E-04	1.41E-07	5.55E-08	9.16E-04	1.44E-07	5.67E-08	9.14E-04	1.44E-07	5.66E-08
132	486783.18, 3856043.15	8.99E-04	1.42E-07	5.57E-08	9.18E-04	1.45E-07	5.68E-08	9.17E-04	1.44E-07	5.67E-08
133	486533.18, 3856093.15	9.02E-04	1.42E-07	5.58E-08	9.20E-04	1.45E-07	5.69E-08	9.19E-04	1.45E-07	5.69E-08
134	486583.18, 3856093.15	8.99E-04	1.42E-07	5.56E-08	9.17E-04	1.45E-07	5.68E-08	9.16E-04	1.44E-07	5.67E-08
135	486633.18, 3856093.15	8.96E-04	1.41E-07	5.55E-08	9.15E-04	1.44E-07	5.66E-08	9.14E-04	1.44E-07	5.65E-08
136	486683.18, 3856093.15	8.95E-04	1.41E-07	5.54E-08	9.14E-04	1.44E-07	5.66E-08	9.13E-04	1.44E-07	5.65E-08
137	486733.18, 3856093.15	8.94E-04	1.41E-07	5.53E-08	9.12E-04	1.44E-07	5.65E-08	9.11E-04	1.44E-07	5.64E-08
138	486783.18, 3856093.15	8.94E-04	1.41E-07	5.53E-08	9.13E-04	1.44E-07	5.65E-08	9.11E-04	1.44E-07	5.64E-08
139	486533.18, 3856143.15	9.00E-04	1.42E-07	5.57E-08	9.19E-04	1.45E-07	5.69E-08	9.18E-04	1.45E-07	5.68E-08
140	486583.18, 3856143.15	8.97E-04	1.41E-07	5.55E-08	9.15E-04	1.44E-07	5.66E-08	9.14E-04	1.44E-07	5.66E-08
141	486633.18, 3856143.15	8.95E-04	1.41E-07	5.54E-08	9.13E-04	1.44E-07	5.65E-08	9.12E-04	1.44E-07	5.64E-08
142	486683.18, 3856143.15	8.93E-04	1.41E-07	5.53E-08	9.11E-04	1.44E-07	5.64E-08	9.10E-04	1.43E-07	5.63E-08
143	486733.18, 3856143.15	8.91E-04	1.40E-07	5.52E-08	9.10E-04	1.43E-07	5.63E-08	9.08E-04	1.43E-07	5.62E-08
144	486783.18, 3856143.15	8.93E-04	1.41E-07	5.53E-08	9.11E-04	1.44E-07	5.64E-08	9.10E-04	1.43E-07	5.63E-08
145	486533.18, 3856193.15	9.01E-04	1.42E-07	5.57E-08	9.19E-04	1.45E-07	5.69E-08	9.18E-04	1.45E-07	5.68E-08
146	486583.18, 3856193.15	8.96E-04	1.41E-07	5.54E-08	9.14E-04	1.44E-07	5.66E-08	9.13E-04	1.44E-07	5.65E-08
147	486633.18, 3856193.15	8.94E-04	1.41E-07	5.53E-08	9.12E-04	1.44E-07	5.65E-08	9.11E-04	1.44E-07	5.64E-08
148	486683.18, 3856193.15	8.93E-04	1.41E-07	5.53E-08	9.12E-04	1.44E-07	5.64E-08	9.11E-04	1.43E-07	5.64E-08
149	486733.18, 3856193.15	8.90E-04	1.40E-07	5.51E-08	9.09E-04	1.43E-07	5.62E-08	9.08E-04	1.43E-07	5.62E-08
150	486783.18, 3856193.15	8.91E-04	1.40E-07	5.51E-08	9.09E-04	1.43E-07	5.63E-08	9.08E-04	1.43E-07	5.62E-08
151	486533.18, 3856243.15	9.00E-04	1.42E-07	5.57E-08	9.18E-04	1.45E-07	5.68E-08	9.17E-04	1.44E-07	5.68E-08
152	486583.18, 3856243.15	8.97E-04	1.41E-07	5.55E-08	9.15E-04	1.44E-07	5.66E-08	9.14E-04	1.44E-07	5.66E-08
153	486633.18, 3856243.15	8.94E-04	1.41E-07	5.53E-08	9.13E-04	1.44E-07	5.65E-08	9.11E-04	1.44E-07	5.64E-08
154	486683.18, 3856243.15	8.92E-04	1.41E-07	5.52E-08	9.10E-04	1.43E-07	5.63E-08	9.09E-04	1.43E-07	5.63E-08
155	486733.18, 3856243.15	8.91E-04	1.40E-07	5.52E-08	9.10E-04	1.43E-07	5.63E-08	9.08E-04	1.43E-07	5.62E-08
156	486783.18, 3856243.15	8.90E-04	1.40E-07	5.51E-08	9.08E-04	1.43E-07	5.62E-08	9.07E-04	1.43E-07	5.61E-08
157	486533.18, 3856293.15	8.99E-04	1.42E-07	5.57E-08	9.18E-04	1.45E-07	5.68E-08	9.17E-04	1.44E-07	5.67E-08
158	486583.18, 3856293.15	8.97E-04	1.41E-07	5.55E-08	9.15E-04	1.44E-07	5.66E-08	9.14E-04	1.44E-07	5.66E-08
159	486633.18, 3856293.15	8.95E-04	1.41E-07	5.54E-08	9.13E-04	1.44E-07	5.65E-08	9.12E-04	1.44E-07	5.64E-08
160	486683.18, 3856293.15	8.93E-04	1.41E-07	5.52E-08	9.11E-04	1.43E-07	5.64E-08	9.10E-04	1.43E-07	5.63E-08
161	486733.18, 3856293.15	8.92E-04	1.41E-07	5.52E-08	9.10E-04	1.43E-07	5.63E-08	9.09E-04	1.43E-07	5.63E-08
162	486783.18, 3856293.15	8.90E-04	1.40E-07	5.51E-08	9.08E-04	1.43E-07	5.62E-08	9.07E-04	1.43E-07	5.61E-08
163	486783.18, 3856343.15	8.92E-04	1.41E-07	5.52E-08	9.10E-04	1.43E-07	5.63E-08	9.09E-04	1.43E-07	5.63E-08
164	486833.18, 3856343.15	8.90E-04	1.40E-07	5.51E-08	9.09E-04	1.43E-07	5.62E-08	9.08E-04	1.43E-07	5.62E-08
165	486883.18, 3856343.15	8.89E-04	1.40E-07	5.50E-08	9.07E-04	1.43E-07	5.62E-08	9.06E-04	1.43E-07	5.61E-08
166	486783.18, 3856393.15	8.92E-04	1.41E-07	5.52E-08	9.10E-04	1.43E-07	5.63E-08	9.09E-04	1.43E-07	5.63E-08
167	486833.18, 3856393.15	8.91E-04	1.40E-07	5.51E-08	9.09E-04	1.43E-07	5.63E-08	9.08E-04	1.43E-07	5.62E-08
168	486883.18, 3856393.15	8.88E-04	1.40E-07	5.50E-08	9.07E-04	1.43E-07	5.61E-08	9.05E-04	1.43E-07	5.60E-08
169	487208.74, 3856886.11	9.11E-04	1.44E-07	5.64E-08	9.30E-04	1.46E-07	5.75E-08	9.29E-04	1.46E-07	5.75E-08
170	487258.74, 3856886.11	9.10E-04	1.43E-07	5.63E-08	9.29E-04	1.46E-07	5.75E-08	9.27E-04	1.46E-07	5.74E-08
171	487308.74, 3856886.11	9.08E-04	1.43E-07	5.62E-08	9.27E-04	1.46E-07	5.74E-08	9.26E-04	1.46E-07	5.73E-08
172	487358.74, 3856886.11	9.06E-04	1.43E-07	5.61E-08	9.25E-04	1.46E-07	5.72E-08	9.24E-04	1.46E-07	5.72E-08
173	487208.74, 3856936.11	9.16E-04	1.44E-07	5.67E-08	9.34E-04	1.47E-07	5.78E-08	9.33E-04	1.47E-07	5.77E-08
174	487258.74, 3856936.11	9.15E-04	1.44E-07	5.66E-08	9.34E-04	1.47E-07	5.78E-08	9.33E-04	1.47E-07	5.77E-08
175	487308.74, 3856936.11	9.15E-04	1.44E-07	5.66E-08	9.33E-04	1.47E-07	5.78E-08	9.32E-04	1.47E-07	5.77E-08
176	487358.74, 3856936.11	9.13E-04	1.44E-07	5.65E-08	9.32E-04	1.47E-07	5.77E-08	9.31E-04	1.47E-07	5.76E-08
177	487208.74, 3856986.11	9.18E-04	1.45E-07	5.68E-08	9.37E-04	1.48E-07	5.80E-08	9.36E-04	1.47E-07	5.79E-08
178	487258.74, 3856986.11	9.21E-04	1.45E-07	5.70E-08	9.40E-04	1.48E-07	5.82E-08	9.39E-04	1.48E-07	5.81E-08
179	487308.74, 3856986.11	9.21E-04	1.45E-07	5.70E-08	9.40E-04	1.48E-07	5.82E-08	9.39E-04	1.48E-07	5.81E-08
180	487358.74, 3856986.11	9.21E-04	1.45E-07	5.70E-08	9.40E-04	1.48E-07	5.82E-08	9.39E-04	1.48E-07	5.81E-08
181	487208.74, 3857036.11	9.21E-04	1.45E-07	5.70E-08	9.40E-04	1.48E-07	5.82E-08	9.39E-04	1.48E-07	5.81E-08
182	487258.74, 3857036.11	9.25E-04	1.46E-07	5.72E-08	9.44E-04	1.49E-07	5.84E-08	9.43E-04	1.49E-07	5.83E-08
183	487308.74, 3857036.11	9.28E-04	1.46E-07	5.74E-08	9.47E-04	1.49E-07	5.86E-08	9.46E-04	1.49E-07	5.85E-08
184	487358.74, 3857036.11	9.29E-04	1.46E-07	5.75E-08	9.48E-04	1.49E-07	5.87E-08	9.47E-04	1.49E-07	5.86E-08
185	487427.14, 3856878.23	9.05E-04	1.43E-07	5.60E-08	9.24E-04	1.46E-07	5.72E-08	9.23E-04	1.45E-07	5.71E-08

186	487477.14, 3856878.23	9.05E-04	1.43E-07	5.60E-08	9.23E-04	1.45E-07	5.71E-08	9.22E-04	1.45E-07	5.71E-08
187	487527.14, 3856878.23	9.05E-04	1.43E-07	5.60E-08	9.23E-04	1.45E-07	5.71E-08	9.22E-04	1.45E-07	5.71E-08
188	487427.14, 3856928.23	9.11E-04	1.44E-07	5.64E-08	9.30E-04	1.47E-07	5.76E-08	9.29E-04	1.46E-07	5.75E-08
189	487477.14, 3856928.23	9.10E-04	1.43E-07	5.63E-08	9.29E-04	1.46E-07	5.75E-08	9.27E-04	1.46E-07	5.74E-08
190	487527.14, 3856928.23	9.10E-04	1.43E-07	5.63E-08	9.29E-04	1.46E-07	5.75E-08	9.27E-04	1.46E-07	5.74E-08
191	487577.14, 3856928.23	9.10E-04	1.43E-07	5.63E-08	9.29E-04	1.46E-07	5.75E-08	9.28E-04	1.46E-07	5.74E-08
192	487627.14, 3856928.23	9.10E-04	1.43E-07	5.63E-08	9.28E-04	1.46E-07	5.74E-08	9.27E-04	1.46E-07	5.74E-08
193	487677.14, 3856928.23	9.12E-04	1.44E-07	5.64E-08	9.31E-04	1.47E-07	5.76E-08	9.30E-04	1.46E-07	5.75E-08
194	487727.14, 3856928.23	9.15E-04	1.44E-07	5.66E-08	9.34E-04	1.47E-07	5.78E-08	9.33E-04	1.47E-07	5.77E-08
195	487777.14, 3856928.23	9.18E-04	1.45E-07	5.68E-08	9.36E-04	1.48E-07	5.79E-08	9.35E-04	1.47E-07	5.79E-08
196	487427.14, 3856978.23	9.18E-04	1.45E-07	5.68E-08	9.37E-04	1.48E-07	5.80E-08	9.36E-04	1.47E-07	5.79E-08
197	487477.14, 3856978.23	9.18E-04	1.45E-07	5.68E-08	9.36E-04	1.48E-07	5.79E-08	9.35E-04	1.47E-07	5.79E-08
198	487527.14, 3856978.23	9.17E-04	1.45E-07	5.68E-08	9.36E-04	1.47E-07	5.79E-08	9.35E-04	1.47E-07	5.79E-08
199	487577.14, 3856978.23	9.17E-04	1.44E-07	5.68E-08	9.36E-04	1.47E-07	5.79E-08	9.35E-04	1.47E-07	5.78E-08
200	487627.14, 3856978.23	9.16E-04	1.44E-07	5.67E-08	9.35E-04	1.47E-07	5.78E-08	9.33E-04	1.47E-07	5.78E-08
201	487677.14, 3856978.23	9.18E-04	1.45E-07	5.68E-08	9.36E-04	1.48E-07	5.79E-08	9.35E-04	1.47E-07	5.79E-08
202	487727.14, 3856978.23	9.16E-04	1.44E-07	5.67E-08	9.35E-04	1.47E-07	5.79E-08	9.34E-04	1.47E-07	5.78E-08
203	487777.14, 3856978.23	9.23E-04	1.45E-07	5.72E-08	9.42E-04	1.48E-07	5.83E-08	9.41E-04	1.48E-07	5.83E-08
204	487427.14, 3857028.23	9.27E-04	1.46E-07	5.74E-08	9.46E-04	1.49E-07	5.85E-08	9.45E-04	1.49E-07	5.85E-08
205	487477.14, 3857028.23	9.26E-04	1.46E-07	5.73E-08	9.45E-04	1.49E-07	5.85E-08	9.44E-04	1.49E-07	5.84E-08
206	487527.14, 3857028.23	9.25E-04	1.46E-07	5.72E-08	9.44E-04	1.49E-07	5.84E-08	9.43E-04	1.49E-07	5.83E-08
207	487577.14, 3857028.23	9.25E-04	1.46E-07	5.72E-08	9.44E-04	1.49E-07	5.84E-08	9.42E-04	1.48E-07	5.83E-08
208	487627.14, 3857028.23	9.23E-04	1.45E-07	5.71E-08	9.42E-04	1.48E-07	5.83E-08	9.41E-04	1.48E-07	5.82E-08
209	487677.14, 3857028.23	9.24E-04	1.46E-07	5.72E-08	9.43E-04	1.48E-07	5.83E-08	9.42E-04	1.48E-07	5.83E-08
210	487727.14, 3857028.23	9.26E-04	1.46E-07	5.73E-08	9.45E-04	1.49E-07	5.85E-08	9.44E-04	1.49E-07	5.84E-08
211	487777.14, 3857028.23	9.29E-04	1.46E-07	5.75E-08	9.48E-04	1.49E-07	5.87E-08	9.47E-04	1.49E-07	5.86E-08
212	487427.14, 3857078.23	9.35E-04	1.47E-07	5.79E-08	9.54E-04	1.50E-07	5.91E-08	9.53E-04	1.50E-07	5.90E-08
213	487477.14, 3857078.23	9.34E-04	1.47E-07	5.78E-08	9.53E-04	1.50E-07	5.90E-08	9.52E-04	1.50E-07	5.89E-08
214	487527.14, 3857078.23	9.34E-04	1.47E-07	5.78E-08	9.53E-04	1.50E-07	5.90E-08	9.52E-04	1.50E-07	5.89E-08
215	487577.14, 3857078.23	9.33E-04	1.47E-07	5.78E-08	9.52E-04	1.50E-07	5.89E-08	9.51E-04	1.50E-07	5.89E-08
216	487627.14, 3857078.23	9.32E-04	1.47E-07	5.77E-08	9.51E-04	1.50E-07	5.89E-08	9.50E-04	1.50E-07	5.88E-08
217	487677.14, 3857078.23	9.32E-04	1.47E-07	5.77E-08	9.51E-04	1.50E-07	5.89E-08	9.50E-04	1.50E-07	5.88E-08
218	487727.14, 3857078.23	9.34E-04	1.47E-07	5.78E-08	9.53E-04	1.50E-07	5.90E-08	9.52E-04	1.50E-07	5.89E-08
219	487777.14, 3857078.23	9.35E-04	1.47E-07	5.78E-08	9.54E-04	1.50E-07	5.90E-08	9.53E-04	1.50E-07	5.90E-08
220	487427.14, 3857128.23	9.44E-04	1.49E-07	5.84E-08	9.63E-04	1.52E-07	5.96E-08	9.62E-04	1.52E-07	5.95E-08
221	487477.14, 3857128.23	9.44E-04	1.49E-07	5.84E-08	9.63E-04	1.52E-07	5.96E-08	9.62E-04	1.51E-07	5.95E-08
222	487527.14, 3857128.23	9.43E-04	1.48E-07	5.83E-08	9.62E-04	1.52E-07	5.95E-08	9.61E-04	1.51E-07	5.95E-08
223	487577.14, 3857128.23	9.42E-04	1.48E-07	5.83E-08	9.62E-04	1.51E-07	5.95E-08	9.60E-04	1.51E-07	5.94E-08
224	487627.14, 3857128.23	9.42E-04	1.48E-07	5.83E-08	9.61E-04	1.51E-07	5.95E-08	9.60E-04	1.51E-07	5.94E-08
225	487677.14, 3857128.23	9.41E-04	1.48E-07	5.82E-08	9.60E-04	1.51E-07	5.94E-08	9.59E-04	1.51E-07	5.93E-08
226	487727.14, 3857128.23	9.43E-04	1.49E-07	5.84E-08	9.62E-04	1.52E-07	5.95E-08	9.61E-04	1.51E-07	5.95E-08
227	487777.14, 3857128.23	9.43E-04	1.49E-07	5.84E-08	9.62E-04	1.52E-07	5.95E-08	9.61E-04	1.51E-07	5.95E-08
228	488049.44, 3856539.39	8.93E-04	1.41E-07	5.53E-08	9.11E-04	1.44E-07	5.64E-08	9.10E-04	1.43E-07	5.63E-08
229	488099.44, 3856539.39	8.90E-04	1.40E-07	5.51E-08	9.08E-04	1.43E-07	5.62E-08	9.07E-04	1.43E-07	5.62E-08
230	488149.44, 3856539.39	8.89E-04	1.40E-07	5.50E-08	9.07E-04	1.43E-07	5.61E-08	9.06E-04	1.43E-07	5.61E-08
231	488049.44, 3856589.39	8.95E-04	1.41E-07	5.54E-08	9.13E-04	1.44E-07	5.65E-08	9.12E-04	1.44E-07	5.64E-08
232	488099.44, 3856589.39	8.92E-04	1.41E-07	5.52E-08	9.10E-04	1.43E-07	5.63E-08	9.09E-04	1.43E-07	5.63E-08
233	488149.44, 3856589.39	8.90E-04	1.40E-07	5.51E-08	9.08E-04	1.43E-07	5.62E-08	9.07E-04	1.43E-07	5.62E-08
234	488199.44, 3856589.39	8.87E-04	1.40E-07	5.49E-08	9.05E-04	1.43E-07	5.60E-08	9.04E-04	1.42E-07	5.60E-08
235	488249.44, 3856589.39	8.88E-04	1.40E-07	5.50E-08	9.07E-04	1.43E-07	5.61E-08	9.05E-04	1.43E-07	5.60E-08
236	488049.44, 3856639.39	8.97E-04	1.41E-07	5.55E-08	9.16E-04	1.44E-07	5.67E-08	9.14E-04	1.44E-07	5.66E-08
237	488099.44, 3856639.39	8.94E-04	1.41E-07	5.53E-08	9.13E-04	1.44E-07	5.65E-08	9.11E-04	1.44E-07	5.64E-08
238	488149.44, 3856639.39	8.92E-04	1.41E-07	5.52E-08	9.10E-04	1.43E-07	5.63E-08	9.09E-04	1.43E-07	5.63E-08
239	488199.44, 3856639.39	8.91E-04	1.40E-07	5.51E-08	9.09E-04	1.43E-07	5.63E-08	9.08E-04	1.43E-07	5.62E-08
240	488249.44, 3856639.39	8.89E-04	1.40E-07	5.50E-08	9.07E-04	1.43E-07	5.62E-08	9.06E-04	1.43E-07	5.61E-08
241	488299.44, 3856639.39	8.88E-04	1.40E-07	5.49E-08	9.06E-04	1.43E-07	5.61E-08	9.05E-04	1.43E-07	5.60E-08
242	488349.44, 3856639.39	8.86E-04	1.40E-07	5.48E-08	9.04E-04	1.42E-07	5.59E-08	9.03E-04	1.42E-07	5.59E-08
243	488399.44, 3856639.39	8.86E-04	1.40E-07	5.48E-08	9.04E-04	1.42E-07	5.60E-08	9.03E-04	1.42E-07	5.59E-08
244	488099.44, 3856689.39	8.98E-04	1.42E-07	5.56E-08	9.17E-04	1.44E-07	5.67E-08	9.16E-04	1.44E-07	5.67E-08
245	488149.44, 3856689.39	8.95E-04	1.41E-07	5.54E-08	9.13E-04	1.44E-07	5.65E-08	9.12E-04	1.44E-07	5.65E-08
246	488199.44, 3856689.39	8.94E-04	1.41E-07	5.53E-08	9.12E-04	1.44E-07	5.64E-08	9.11E-04	1.43E-07	5.64E-08
247	488249.44, 3856689.39	8.91E-04	1.40E-07	5.51E-08	9.09E-04	1.43E-07	5.63E-08	9.08E-04	1.43E-07	5.62E-08
248	488299.44, 3856689.39	8.91E-04	1.40E-07	5.51E-08	9.09E-04	1.43E-07	5.63E-08	9.08E-04	1.43E-07	5.62E-08

249	488349.44, 3856689.39	8.88E-04	1.40E-07	5.50E-08	9.07E-04	1.43E-07	5.61E-08	9.05E-04	1.43E-07	5.60E-08
250	488399.44, 3856689.39	8.85E-04	1.39E-07	5.47E-08	9.03E-04	1.42E-07	5.59E-08	9.02E-04	1.42E-07	5.58E-08
251	488099.44, 3856739.39	9.04E-04	1.42E-07	5.59E-08	9.22E-04	1.45E-07	5.71E-08	9.21E-04	1.45E-07	5.70E-08
252	488149.44, 3856739.39	9.00E-04	1.42E-07	5.57E-08	9.18E-04	1.45E-07	5.68E-08	9.17E-04	1.44E-07	5.68E-08
253	488199.44, 3856739.39	8.99E-04	1.42E-07	5.56E-08	9.17E-04	1.45E-07	5.68E-08	9.16E-04	1.44E-07	5.67E-08
254	488249.44, 3856739.39	8.96E-04	1.41E-07	5.55E-08	9.14E-04	1.44E-07	5.66E-08	9.13E-04	1.44E-07	5.65E-08
255	488299.44, 3856739.39	8.91E-04	1.40E-07	5.52E-08	9.10E-04	1.43E-07	5.63E-08	9.08E-04	1.43E-07	5.62E-08
256	488349.44, 3856739.39	8.92E-04	1.41E-07	5.52E-08	9.10E-04	1.43E-07	5.63E-08	9.09E-04	1.43E-07	5.63E-08
257	488399.44, 3856739.39	8.93E-04	1.41E-07	5.53E-08	9.11E-04	1.44E-07	5.64E-08	9.10E-04	1.43E-07	5.63E-08
258	487999.44, 3856789.39	9.12E-04	1.44E-07	5.64E-08	9.30E-04	1.47E-07	5.76E-08	9.29E-04	1.46E-07	5.75E-08
259	488049.44, 3856789.39	9.10E-04	1.43E-07	5.63E-08	9.28E-04	1.46E-07	5.74E-08	9.27E-04	1.46E-07	5.74E-08
260	488099.44, 3856789.39	9.09E-04	1.43E-07	5.62E-08	9.27E-04	1.46E-07	5.74E-08	9.26E-04	1.46E-07	5.73E-08
261	488149.44, 3856789.39	9.06E-04	1.43E-07	5.60E-08	9.24E-04	1.46E-07	5.72E-08	9.23E-04	1.45E-07	5.71E-08
262	488199.44, 3856789.39	9.04E-04	1.42E-07	5.59E-08	9.22E-04	1.45E-07	5.71E-08	9.21E-04	1.45E-07	5.70E-08
263	488249.44, 3856789.39	9.01E-04	1.42E-07	5.58E-08	9.19E-04	1.45E-07	5.69E-08	9.18E-04	1.45E-07	5.68E-08
264	488299.44, 3856789.39	8.97E-04	1.41E-07	5.55E-08	9.16E-04	1.44E-07	5.67E-08	9.14E-04	1.44E-07	5.66E-08
265	488349.44, 3856789.39	8.98E-04	1.41E-07	5.56E-08	9.16E-04	1.44E-07	5.67E-08	9.15E-04	1.44E-07	5.67E-08
266	488399.44, 3856789.39	8.98E-04	1.41E-07	5.55E-08	9.16E-04	1.44E-07	5.67E-08	9.15E-04	1.44E-07	5.66E-08
267	487949.44, 3856839.39	9.18E-04	1.45E-07	5.68E-08	9.36E-04	1.48E-07	5.79E-08	9.35E-04	1.47E-07	5.79E-08
268	487999.44, 3856839.39	9.17E-04	1.44E-07	5.68E-08	9.36E-04	1.47E-07	5.79E-08	9.35E-04	1.47E-07	5.78E-08
269	488049.44, 3856839.39	9.15E-04	1.44E-07	5.66E-08	9.34E-04	1.47E-07	5.78E-08	9.33E-04	1.47E-07	5.77E-08
270	488099.44, 3856839.39	9.13E-04	1.44E-07	5.65E-08	9.32E-04	1.47E-07	5.77E-08	9.31E-04	1.47E-07	5.76E-08
271	488149.44, 3856839.39	9.12E-04	1.44E-07	5.64E-08	9.31E-04	1.47E-07	5.76E-08	9.30E-04	1.46E-07	5.75E-08
272	488199.44, 3856839.39	9.10E-04	1.43E-07	5.63E-08	9.29E-04	1.46E-07	5.75E-08	9.28E-04	1.46E-07	5.74E-08
273	487949.44, 3856889.39	9.21E-04	1.45E-07	5.70E-08	9.40E-04	1.48E-07	5.82E-08	9.39E-04	1.48E-07	5.81E-08
274	487999.44, 3856889.39	9.23E-04	1.45E-07	5.71E-08	9.42E-04	1.48E-07	5.83E-08	9.41E-04	1.48E-07	5.82E-08
275	488049.44, 3856889.39	9.20E-04	1.45E-07	5.70E-08	9.39E-04	1.48E-07	5.81E-08	9.38E-04	1.48E-07	5.80E-08
276	488099.44, 3856889.39	9.20E-04	1.45E-07	5.70E-08	9.39E-04	1.48E-07	5.81E-08	9.38E-04	1.48E-07	5.80E-08
277	488635.86, 3857895.05	1.35E-03	2.13E-07	8.37E-08	1.38E-03	2.17E-07	8.54E-08	1.38E-03	2.17E-07	8.53E-08
278	489137.64, 3857804.15	1.25E-03	1.97E-07	7.76E-08	1.28E-03	2.02E-07	7.92E-08	1.28E-03	2.01E-07	7.91E-08
279	488617.32, 3857859.41	1.32E-03	2.08E-07	8.15E-08	1.34E-03	2.12E-07	8.32E-08	1.34E-03	2.12E-07	8.31E-08
280	488667.32, 3857859.41	1.32E-03	2.08E-07	8.17E-08	1.35E-03	2.12E-07	8.33E-08	1.35E-03	2.12E-07	8.32E-08
281	488717.32, 3857859.41	1.33E-03	2.09E-07	8.20E-08	1.35E-03	2.13E-07	8.37E-08	1.35E-03	2.13E-07	8.36E-08
282	488767.32, 3857859.41	1.34E-03	2.11E-07	8.27E-08	1.36E-03	2.15E-07	8.44E-08	1.36E-03	2.15E-07	8.43E-08
283	488617.32, 3857909.41	1.37E-03	2.15E-07	8.45E-08	1.39E-03	2.20E-07	8.63E-08	1.39E-03	2.19E-07	8.61E-08
284	488667.32, 3857909.41	1.38E-03	2.17E-07	8.54E-08	1.41E-03	2.22E-07	8.72E-08	1.41E-03	2.22E-07	8.71E-08
285	488717.32, 3857909.41	1.37E-03	2.16E-07	8.50E-08	1.40E-03	2.21E-07	8.68E-08	1.40E-03	2.21E-07	8.67E-08
286	488767.32, 3857909.41	1.39E-03	2.18E-07	8.58E-08	1.42E-03	2.23E-07	8.76E-08	1.41E-03	2.23E-07	8.75E-08
287	488417.32, 3857959.41	1.41E-03	2.21E-07	8.70E-08	1.43E-03	2.26E-07	8.88E-08	1.43E-03	2.26E-07	8.87E-08
288	488467.32, 3857959.41	1.41E-03	2.22E-07	8.73E-08	1.44E-03	2.27E-07	8.91E-08	1.44E-03	2.27E-07	8.90E-08
289	488517.32, 3857959.41	1.42E-03	2.23E-07	8.77E-08	1.45E-03	2.28E-07	8.95E-08	1.44E-03	2.27E-07	8.93E-08
290	488567.32, 3857959.41	1.42E-03	2.24E-07	8.79E-08	1.45E-03	2.28E-07	8.97E-08	1.45E-03	2.28E-07	8.96E-08
291	488617.32, 3857959.41	1.42E-03	2.24E-07	8.81E-08	1.45E-03	2.29E-07	8.99E-08	1.45E-03	2.28E-07	8.98E-08
292	488667.32, 3857959.41	1.43E-03	2.25E-07	8.83E-08	1.46E-03	2.29E-07	9.01E-08	1.45E-03	2.29E-07	9.00E-08
293	488717.32, 3857959.41	1.43E-03	2.26E-07	8.88E-08	1.46E-03	2.31E-07	9.06E-08	1.46E-03	2.30E-07	9.05E-08
294	488767.32, 3857959.41	1.44E-03	2.27E-07	8.91E-08	1.47E-03	2.31E-07	9.09E-08	1.47E-03	2.31E-07	9.08E-08
295	488417.32, 3858009.41	1.46E-03	2.30E-07	9.05E-08	1.49E-03	2.35E-07	9.24E-08	1.49E-03	2.35E-07	9.23E-08
296	488467.32, 3858009.41	1.47E-03	2.32E-07	9.11E-08	1.50E-03	2.37E-07	9.29E-08	1.50E-03	2.36E-07	9.28E-08
297	488517.32, 3858009.41	1.47E-03	2.32E-07	9.12E-08	1.50E-03	2.37E-07	9.31E-08	1.50E-03	2.37E-07	9.30E-08
298	488567.32, 3858009.41	1.48E-03	2.33E-07	9.15E-08	1.51E-03	2.38E-07	9.34E-08	1.51E-03	2.37E-07	9.32E-08
299	488617.32, 3858009.41	1.48E-03	2.33E-07	9.16E-08	1.51E-03	2.38E-07	9.35E-08	1.51E-03	2.38E-07	9.33E-08
300	488667.32, 3858009.41	1.48E-03	2.34E-07	9.18E-08	1.51E-03	2.38E-07	9.37E-08	1.51E-03	2.38E-07	9.35E-08
301	488717.32, 3858009.41	1.49E-03	2.35E-07	9.21E-08	1.52E-03	2.39E-07	9.40E-08	1.52E-03	2.39E-07	9.39E-08
302	488767.32, 3858009.41	1.50E-03	2.36E-07	9.25E-08	1.53E-03	2.40E-07	9.44E-08	1.52E-03	2.40E-07	9.43E-08
303	488417.32, 3858059.41	1.53E-03	2.40E-07	9.44E-08	1.56E-03	2.45E-07	9.64E-08	1.56E-03	2.45E-07	9.63E-08
304	488467.32, 3858059.41	1.53E-03	2.42E-07	9.49E-08	1.57E-03	2.47E-07	9.69E-08	1.56E-03	2.46E-07	9.68E-08
305	488517.32, 3858059.41	1.54E-03	2.43E-07	9.53E-08	1.57E-03	2.47E-07	9.72E-08	1.57E-03	2.47E-07	9.71E-08
306	488567.32, 3858059.41	1.54E-03	2.43E-07	9.54E-08	1.57E-03	2.48E-07	9.74E-08	1.57E-03	2.48E-07	9.73E-08
307	488617.32, 3858059.41	1.55E-03	2.43E-07	9.56E-08	1.58E-03	2.48E-07	9.76E-08	1.58E-03	2.48E-07	9.75E-08
308	488667.32, 3858059.41	1.55E-03	2.44E-07	9.58E-08	1.58E-03	2.49E-07	9.78E-08	1.58E-03	2.49E-07	9.77E-08
309	488417.32, 3858109.41	1.59E-03	2.50E-07	9.83E-08	1.62E-03	2.55E-07	1.00E-07	1.62E-03	2.55E-07	1.00E-07
310	488467.32, 3858109.41	1.60E-03	2.52E-07	9.91E-08	1.63E-03	2.57E-07	1.01E-07	1.63E-03	2.57E-07	1.01E-07
311	488517.32, 3858109.41	1.61E-03	2.54E-07	9.96E-08	1.64E-03	2.59E-07	1.02E-07	1.64E-03	2.58E-07	1.02E-07

312	488567.32, 3858109.41	1.61E-03	2.54E-07	9.98E-08	1.65E-03	2.59E-07	1.02E-07	1.64E-03	2.59E-07	1.02E-07
313	488617.32, 3858109.41	1.62E-03	2.55E-07	1.00E-07	1.65E-03	2.60E-07	1.02E-07	1.65E-03	2.60E-07	1.02E-07
314	488667.32, 3858109.41	1.62E-03	2.55E-07	1.00E-07	1.65E-03	2.60E-07	1.02E-07	1.65E-03	2.60E-07	1.02E-07
315	488769.93, 3858449.27	2.50E-03	3.93E-07	1.55E-07	2.55E-03	4.01E-07	1.58E-07	2.55E-03	4.01E-07	1.58E-07
316	488819.93, 3858449.27	2.51E-03	3.96E-07	1.56E-07	2.56E-03	4.04E-07	1.59E-07	2.56E-03	4.03E-07	1.59E-07
317	488819.93, 3858499.27	2.75E-03	4.34E-07	1.70E-07	2.81E-03	4.43E-07	1.74E-07	2.81E-03	4.42E-07	1.74E-07
318	488869.93, 3858499.27	2.76E-03	4.35E-07	1.71E-07	2.82E-03	4.44E-07	1.74E-07	2.82E-03	4.44E-07	1.74E-07
319	488869.93, 3858549.27	3.06E-03	4.83E-07	1.90E-07	3.13E-03	4.93E-07	1.94E-07	3.12E-03	4.92E-07	1.93E-07
320	489438.17, 3859571.48	1.08E-02	1.71E-06	6.71E-07	1.11E-02	1.74E-06	6.85E-07	1.10E-02	1.74E-06	6.84E-07
321	489488.17, 3859571.48	1.18E-02	1.86E-06	7.31E-07	1.20E-02	1.90E-06	7.46E-07	1.20E-02	1.90E-06	7.45E-07
322	489538.17, 3859571.48	1.29E-02	2.04E-06	8.00E-07	1.32E-02	2.08E-06	8.16E-07	1.32E-02	2.08E-06	8.15E-07
323	489588.17, 3859571.48	1.42E-02	2.23E-06	8.76E-07	1.44E-02	2.28E-06	8.94E-07	1.44E-02	2.27E-06	8.93E-07
324	489438.17, 3859621.48	9.53E-03	1.50E-06	5.90E-07	9.73E-03	1.53E-06	6.02E-07	9.71E-03	1.53E-06	6.01E-07
325	489488.17, 3859621.48	1.03E-02	1.62E-06	6.35E-07	1.05E-02	1.65E-06	6.48E-07	1.05E-02	1.65E-06	6.48E-07
326	489538.17, 3859621.48	1.11E-02	1.75E-06	6.88E-07	1.14E-02	1.79E-06	7.03E-07	1.13E-02	1.79E-06	7.02E-07
327	489588.17, 3859621.48	1.22E-02	1.92E-06	7.53E-07	1.24E-02	1.95E-06	7.68E-07	1.24E-02	1.95E-06	7.67E-07
328	489238.17, 3859671.48	6.63E-03	1.05E-06	4.11E-07	6.77E-03	1.07E-06	4.19E-07	6.76E-03	1.07E-06	4.18E-07
329	489288.17, 3859671.48	7.02E-03	1.11E-06	4.34E-07	7.16E-03	1.13E-06	4.43E-07	7.15E-03	1.13E-06	4.43E-07
330	489338.17, 3859671.48	7.47E-03	1.18E-06	4.62E-07	7.62E-03	1.20E-06	4.72E-07	7.61E-03	1.20E-06	4.71E-07
331	489388.17, 3859671.48	8.00E-03	1.26E-06	4.95E-07	8.16E-03	1.29E-06	5.05E-07	8.15E-03	1.28E-06	5.04E-07
332	489438.17, 3859671.48	8.52E-03	1.34E-06	5.27E-07	8.69E-03	1.37E-06	5.38E-07	8.68E-03	1.37E-06	5.37E-07
333	489488.17, 3859671.48	9.17E-03	1.44E-06	5.67E-07	9.35E-03	1.47E-06	5.79E-07	9.34E-03	1.47E-06	5.78E-07
334	489538.17, 3859671.48	9.86E-03	1.55E-06	6.10E-07	1.01E-02	1.59E-06	6.23E-07	1.01E-02	1.58E-06	6.22E-07
335	489588.17, 3859671.48	1.07E-02	1.68E-06	6.60E-07	1.09E-02	1.71E-06	6.73E-07	1.09E-02	1.71E-06	6.72E-07
336	489238.17, 3859721.48	6.13E-03	9.66E-07	3.79E-07	6.25E-03	9.85E-07	3.87E-07	6.25E-03	9.84E-07	3.87E-07
337	489288.17, 3859721.48	6.50E-03	1.02E-06	4.02E-07	6.63E-03	1.04E-06	4.10E-07	6.62E-03	1.04E-06	4.10E-07
338	489338.17, 3859721.48	6.87E-03	1.08E-06	4.25E-07	7.01E-03	1.10E-06	4.34E-07	7.01E-03	1.10E-06	4.34E-07
339	489388.17, 3859721.48	7.28E-03	1.15E-06	4.51E-07	7.43E-03	1.17E-06	4.60E-07	7.42E-03	1.17E-06	4.59E-07
340	489438.17, 3859721.48	7.72E-03	1.22E-06	4.78E-07	7.88E-03	1.24E-06	4.88E-07	7.87E-03	1.24E-06	4.87E-07
341	489488.17, 3859721.48	8.26E-03	1.30E-06	5.11E-07	8.43E-03	1.33E-06	5.22E-07	8.42E-03	1.33E-06	5.21E-07
342	489538.17, 3859721.48	8.84E-03	1.39E-06	5.47E-07	9.02E-03	1.42E-06	5.58E-07	9.01E-03	1.42E-06	5.58E-07
343	489588.17, 3859721.48	9.48E-03	1.49E-06	5.86E-07	9.67E-03	1.52E-06	5.98E-07	9.66E-03	1.52E-06	5.98E-07
344	489238.17, 3859771.48	5.70E-03	8.98E-07	3.53E-07	5.82E-03	9.17E-07	3.60E-07	5.81E-03	9.16E-07	3.60E-07
345	489288.17, 3859771.48	6.02E-03	9.49E-07	3.73E-07	6.14E-03	9.68E-07	3.80E-07	6.14E-03	9.67E-07	3.80E-07
346	489338.17, 3859771.48	6.33E-03	9.97E-07	3.92E-07	6.46E-03	1.02E-06	4.00E-07	6.45E-03	1.02E-06	3.99E-07
347	489388.17, 3859771.48	6.68E-03	1.05E-06	4.14E-07	6.82E-03	1.07E-06	4.22E-07	6.81E-03	1.07E-06	4.22E-07
348	489438.17, 3859771.48	7.05E-03	1.11E-06	4.36E-07	7.19E-03	1.13E-06	4.45E-07	7.18E-03	1.13E-06	4.45E-07
349	489488.17, 3859771.48	7.52E-03	1.18E-06	4.65E-07	7.67E-03	1.21E-06	4.75E-07	7.67E-03	1.21E-06	4.74E-07
350	489538.17, 3859771.48	8.01E-03	1.26E-06	4.96E-07	8.17E-03	1.29E-06	5.06E-07	8.16E-03	1.29E-06	5.05E-07
351	489588.17, 3859771.48	8.51E-03	1.34E-06	5.27E-07	8.69E-03	1.37E-06	5.38E-07	8.68E-03	1.37E-06	5.37E-07
352	489238.17, 3859821.48	5.32E-03	8.38E-07	3.29E-07	5.43E-03	8.55E-07	3.36E-07	5.42E-03	8.54E-07	3.36E-07
353	489288.17, 3859821.48	5.60E-03	8.83E-07	3.47E-07	5.72E-03	9.01E-07	3.54E-07	5.71E-03	9.00E-07	3.53E-07
354	489338.17, 3859821.48	5.88E-03	9.26E-07	3.64E-07	6.00E-03	9.45E-07	3.71E-07	5.99E-03	9.43E-07	3.71E-07
355	489388.17, 3859821.48	6.18E-03	9.73E-07	3.82E-07	6.30E-03	9.93E-07	3.90E-07	6.30E-03	9.92E-07	3.90E-07
356	489438.17, 3859821.48	6.53E-03	1.03E-06	4.04E-07	6.67E-03	1.05E-06	4.12E-07	6.66E-03	1.05E-06	4.12E-07
357	489488.17, 3859821.48	6.91E-03	1.09E-06	4.27E-07	7.05E-03	1.11E-06	4.36E-07	7.04E-03	1.11E-06	4.36E-07
358	489538.17, 3859821.48	7.31E-03	1.15E-06	4.52E-07	7.46E-03	1.17E-06	4.61E-07	7.45E-03	1.17E-06	4.61E-07
359	489588.17, 3859821.48	7.72E-03	1.22E-06	4.78E-07	7.88E-03	1.24E-06	4.88E-07	7.87E-03	1.24E-06	4.87E-07
360	489238.17, 3859871.48	5.00E-03	7.87E-07	3.09E-07	5.10E-03	8.03E-07	3.15E-07	5.09E-03	8.02E-07	3.15E-07
361	489288.17, 3859871.48	5.23E-03	8.24E-07	3.24E-07	5.34E-03	8.40E-07	3.30E-07	5.33E-03	8.39E-07	3.30E-07
362	489338.17, 3859871.48	5.48E-03	8.63E-07	3.39E-07	5.59E-03	8.81E-07	3.46E-07	5.58E-03	8.79E-07	3.46E-07
363	489388.17, 3859871.48	5.76E-03	9.07E-07	3.56E-07	5.88E-03	9.26E-07	3.64E-07	5.87E-03	9.25E-07	3.63E-07
364	489438.17, 3859871.48	6.07E-03	9.57E-07	3.76E-07	6.20E-03	9.76E-07	3.83E-07	6.19E-03	9.75E-07	3.83E-07
365	489488.17, 3859871.48	6.39E-03	1.01E-06	3.95E-07	6.52E-03	1.03E-06	4.03E-07	6.51E-03	1.03E-06	4.03E-07
366	489538.17, 3859871.48	6.71E-03	1.06E-06	4.15E-07	6.84E-03	1.08E-06	4.23E-07	6.83E-03	1.08E-06	4.23E-07
367	489588.17, 3859871.48	7.05E-03	1.11E-06	4.36E-07	7.19E-03	1.13E-06	4.45E-07	7.18E-03	1.13E-06	4.45E-07
368	489238.17, 3859921.48	4.71E-03	7.43E-07	2.92E-07	4.81E-03	7.58E-07	2.98E-07	4.81E-03	7.57E-07	2.97E-07
369	489288.17, 3859921.48	4.94E-03	7.78E-07	3.06E-07	5.04E-03	7.94E-07	3.12E-07	5.03E-03	7.93E-07	3.11E-07
370	489338.17, 3859921.48	5.16E-03	8.12E-07	3.19E-07	5.26E-03	8.29E-07	3.26E-07	5.26E-03	8.28E-07	3.25E-07
371	489388.17, 3859921.48	5.40E-03	8.51E-07	3.34E-07	5.51E-03	8.68E-07	3.41E-07	5.51E-03	8.67E-07	3.41E-07
372	489438.17, 3859921.48	5.66E-03	8.91E-07	3.50E-07	5.77E-03	9.09E-07	3.57E-07	5.77E-03	9.08E-07	3.57E-07
373	489488.17, 3859921.48	5.91E-03	9.30E-07	3.66E-07	6.03E-03	9.49E-07	3.73E-07	6.02E-03	9.48E-07	3.73E-07
374	489538.17, 3859921.48	6.17E-03	9.72E-07	3.82E-07	6.30E-03	9.92E-07	3.90E-07	6.29E-03	9.91E-07	3.89E-07

375	489588.17, 3859921.48	6.43E-03	1.01E-06	3.98E-07	6.56E-03	1.03E-06	4.06E-07	6.55E-03	1.03E-06	4.05E-07
376	489238.17, 3859971.48	4.46E-03	7.03E-07	2.76E-07	4.56E-03	7.18E-07	2.82E-07	4.55E-03	7.17E-07	2.82E-07
377	489288.17, 3859971.48	4.65E-03	7.33E-07	2.88E-07	4.75E-03	7.48E-07	2.94E-07	4.74E-03	7.47E-07	2.93E-07
378	489338.17, 3859971.48	4.85E-03	7.65E-07	3.00E-07	4.95E-03	7.80E-07	3.07E-07	4.95E-03	7.79E-07	3.06E-07
379	489388.17, 3859971.48	5.07E-03	7.98E-07	3.14E-07	5.17E-03	8.14E-07	3.20E-07	5.16E-03	8.13E-07	3.20E-07
380	489438.17, 3859971.48	5.25E-03	8.27E-07	3.25E-07	5.36E-03	8.44E-07	3.32E-07	5.35E-03	8.43E-07	3.31E-07
381	489488.17, 3859971.48	5.31E-03	8.37E-07	3.29E-07	5.42E-03	8.54E-07	3.36E-07	5.42E-03	8.53E-07	3.35E-07
382	489538.17, 3859971.48	5.40E-03	8.50E-07	3.34E-07	5.51E-03	8.67E-07	3.41E-07	5.50E-03	8.66E-07	3.40E-07
383	489588.17, 3859971.48	5.47E-03	8.62E-07	3.39E-07	5.58E-03	8.80E-07	3.46E-07	5.58E-03	8.79E-07	3.45E-07
384	483577.7, 3854071	2.72E-03	4.28E-07	1.68E-07	2.77E-03	4.37E-07	1.72E-07	2.77E-03	4.36E-07	1.71E-07
385	483627.7, 3854071	2.71E-03	4.26E-07	1.67E-07	2.76E-03	4.35E-07	1.71E-07	2.76E-03	4.34E-07	1.71E-07
386	483677.7, 3854071	2.69E-03	4.23E-07	1.66E-07	2.74E-03	4.32E-07	1.70E-07	2.74E-03	4.31E-07	1.70E-07
387	483727.7, 3854071	2.67E-03	4.20E-07	1.65E-07	2.72E-03	4.29E-07	1.68E-07	2.72E-03	4.28E-07	1.68E-07
388	483777.7, 3854071	2.63E-03	4.14E-07	1.63E-07	2.68E-03	4.22E-07	1.66E-07	2.68E-03	4.22E-07	1.66E-07
389	483577.7, 3854121	2.57E-03	4.05E-07	1.59E-07	2.62E-03	4.13E-07	1.62E-07	2.62E-03	4.13E-07	1.62E-07
390	483627.7, 3854121	2.55E-03	4.02E-07	1.58E-07	2.60E-03	4.10E-07	1.61E-07	2.60E-03	4.10E-07	1.61E-07
391	483677.7, 3854121	2.52E-03	3.97E-07	1.56E-07	2.57E-03	4.05E-07	1.59E-07	2.57E-03	4.05E-07	1.59E-07
392	483727.7, 3854121	2.49E-03	3.92E-07	1.54E-07	2.54E-03	4.00E-07	1.57E-07	2.53E-03	3.99E-07	1.57E-07
393	483777.7, 3854121	2.46E-03	3.88E-07	1.52E-07	2.51E-03	3.96E-07	1.56E-07	2.51E-03	3.96E-07	1.55E-07
394	483577.7, 3854171	2.42E-03	3.81E-07	1.50E-07	2.47E-03	3.89E-07	1.53E-07	2.46E-03	3.88E-07	1.52E-07
395	483627.7, 3854171	2.38E-03	3.75E-07	1.48E-07	2.43E-03	3.83E-07	1.51E-07	2.43E-03	3.83E-07	1.50E-07
396	483677.7, 3854171	2.36E-03	3.72E-07	1.46E-07	2.41E-03	3.79E-07	1.49E-07	2.40E-03	3.79E-07	1.49E-07
397	483727.7, 3854171	2.34E-03	3.69E-07	1.45E-07	2.39E-03	3.76E-07	1.48E-07	2.38E-03	3.76E-07	1.48E-07
398	483777.7, 3854171	2.32E-03	3.65E-07	1.43E-07	2.36E-03	3.72E-07	1.46E-07	2.36E-03	3.72E-07	1.46E-07
399	483827.7, 3854171	2.27E-03	3.58E-07	1.40E-07	2.32E-03	3.65E-07	1.43E-07	2.31E-03	3.64E-07	1.43E-07
400	483877.7, 3854171	2.24E-03	3.54E-07	1.39E-07	2.29E-03	3.61E-07	1.42E-07	2.29E-03	3.60E-07	1.42E-07
401	483727.7, 3854221	2.21E-03	3.48E-07	1.37E-07	2.25E-03	3.55E-07	1.40E-07	2.25E-03	3.55E-07	1.39E-07
402	483777.7, 3854221	2.18E-03	3.44E-07	1.35E-07	2.23E-03	3.51E-07	1.38E-07	2.23E-03	3.51E-07	1.38E-07
403	483827.7, 3854221	2.18E-03	3.44E-07	1.35E-07	2.23E-03	3.51E-07	1.38E-07	2.23E-03	3.51E-07	1.38E-07
404	483877.7, 3854221	2.15E-03	3.39E-07	1.33E-07	2.19E-03	3.45E-07	1.36E-07	2.19E-03	3.45E-07	1.36E-07
405	489150.19, 3858726.45	5.68E-03	8.95E-07	3.52E-07	5.80E-03	9.13E-07	3.59E-07	5.79E-03	9.12E-07	3.58E-07
406	489200.19, 3858726.45	5.84E-03	9.20E-07	3.61E-07	5.96E-03	9.38E-07	3.69E-07	5.95E-03	9.37E-07	3.68E-07
407	489150.19, 3858776.45	7.97E-03	1.26E-06	4.93E-07	8.13E-03	1.28E-06	5.03E-07	8.12E-03	1.28E-06	5.03E-07
408	489200.19, 3858776.45	8.11E-03	1.28E-06	5.02E-07	8.28E-03	1.30E-06	5.12E-07	8.27E-03	1.30E-06	5.12E-07
409	488919.6, 3856400.76	9.14E-04	1.44E-07	5.66E-08	9.33E-04	1.47E-07	5.77E-08	9.32E-04	1.47E-07	5.77E-08
410	488919.6, 3856450.76	9.09E-04	1.43E-07	5.62E-08	9.27E-04	1.46E-07	5.74E-08	9.26E-04	1.46E-07	5.73E-08
411	488969.6, 3856450.76	9.09E-04	1.43E-07	5.63E-08	9.28E-04	1.46E-07	5.74E-08	9.27E-04	1.46E-07	5.73E-08
412	488919.6, 3856500.76	9.04E-04	1.42E-07	5.59E-08	9.22E-04	1.45E-07	5.71E-08	9.21E-04	1.45E-07	5.70E-08
413	488969.6, 3856500.76	9.05E-04	1.43E-07	5.60E-08	9.23E-04	1.45E-07	5.71E-08	9.22E-04	1.45E-07	5.71E-08
414	488919.6, 3856550.76	9.00E-04	1.42E-07	5.57E-08	9.19E-04	1.45E-07	5.69E-08	9.18E-04	1.45E-07	5.68E-08
415	488969.6, 3856550.76	9.01E-04	1.42E-07	5.57E-08	9.19E-04	1.45E-07	5.69E-08	9.18E-04	1.45E-07	5.68E-08
416	488819.6, 3856600.76	8.95E-04	1.41E-07	5.54E-08	9.13E-04	1.44E-07	5.65E-08	9.12E-04	1.44E-07	5.64E-08
417	488869.6, 3856600.76	8.95E-04	1.41E-07	5.54E-08	9.14E-04	1.44E-07	5.66E-08	9.13E-04	1.44E-07	5.65E-08
418	488919.6, 3856600.76	8.97E-04	1.41E-07	5.55E-08	9.15E-04	1.44E-07	5.66E-08	9.14E-04	1.44E-07	5.66E-08
419	488819.6, 3856650.76	8.92E-04	1.41E-07	5.52E-08	9.10E-04	1.43E-07	5.63E-08	9.09E-04	1.43E-07	5.63E-08
420	488869.6, 3856650.76	8.93E-04	1.41E-07	5.53E-08	9.11E-04	1.44E-07	5.64E-08	9.10E-04	1.43E-07	5.63E-08
421	488819.6, 3856700.76	8.91E-04	1.40E-07	5.51E-08	9.09E-04	1.43E-07	5.63E-08	9.08E-04	1.43E-07	5.62E-08
422	488869.6, 3856700.76	8.92E-04	1.40E-07	5.52E-08	9.10E-04	1.43E-07	5.63E-08	9.09E-04	1.43E-07	5.62E-08
423	488819.6, 3856750.76	8.90E-04	1.40E-07	5.51E-08	9.09E-04	1.43E-07	5.62E-08	9.08E-04	1.43E-07	5.62E-08
424	488869.6, 3856750.76	8.92E-04	1.40E-07	5.52E-08	9.10E-04	1.43E-07	5.63E-08	9.09E-04	1.43E-07	5.62E-08
425	488819.6, 3857050.76	9.21E-04	1.45E-07	5.70E-08	9.39E-04	1.48E-07	5.81E-08	9.38E-04	1.48E-07	5.81E-08
426	488869.6, 3857050.76	9.19E-04	1.45E-07	5.69E-08	9.38E-04	1.48E-07	5.80E-08	9.37E-04	1.48E-07	5.80E-08
427	488919.6, 3857050.76	9.17E-04	1.45E-07	5.68E-08	9.36E-04	1.47E-07	5.79E-08	9.35E-04	1.47E-07	5.79E-08
428	488819.6, 3857100.76	9.32E-04	1.47E-07	5.77E-08	9.51E-04	1.50E-07	5.88E-08	9.50E-04	1.50E-07	5.88E-08
429	488869.6, 3857100.76	9.29E-04	1.46E-07	5.75E-08	9.48E-04	1.49E-07	5.87E-08	9.47E-04	1.49E-07	5.86E-08
430	488919.6, 3857100.76	9.27E-04	1.46E-07	5.74E-08	9.46E-04	1.49E-07	5.86E-08	9.45E-04	1.49E-07	5.85E-08
431	488819.6, 3857150.76	9.45E-04	1.49E-07	5.85E-08	9.64E-04	1.52E-07	5.97E-08	9.63E-04	1.52E-07	5.96E-08
432	488869.6, 3857150.76	9.42E-04	1.48E-07	5.83E-08	9.61E-04	1.51E-07	5.95E-08	9.60E-04	1.51E-07	5.94E-08
433	488919.6, 3857150.76	9.39E-04	1.48E-07	5.81E-08	9.58E-04	1.51E-07	5.93E-08	9.57E-04	1.51E-07	5.92E-08
434	488969.6, 3857150.76	9.36E-04	1.47E-07	5.79E-08	9.55E-04	1.50E-07	5.91E-08	9.54E-04	1.50E-07	5.90E-08
435	488819.6, 3857200.76	9.60E-04	1.51E-07	5.94E-08	9.80E-04	1.54E-07	6.06E-08	9.78E-04	1.54E-07	6.06E-08
436	488869.6, 3857200.76	9.57E-04	1.51E-07	5.92E-08	9.76E-04	1.54E-07	6.04E-08	9.75E-04	1.54E-07	6.04E-08
437	488919.6, 3857200.76	9.53E-04	1.50E-07	5.90E-08	9.72E-04	1.53E-07	6.02E-08	9.71E-04	1.53E-07	6.01E-08

438	488969.6, 3857200.76	9.49E-04	1.49E-07	5.87E-08	9.68E-04	1.52E-07	5.99E-08	9.67E-04	1.52E-07	5.98E-08
439	488819.6, 3857250.76	9.76E-04	1.54E-07	6.04E-08	9.96E-04	1.57E-07	6.17E-08	9.95E-04	1.57E-07	6.16E-08
440	488869.6, 3857250.76	9.72E-04	1.53E-07	6.02E-08	9.92E-04	1.56E-07	6.14E-08	9.91E-04	1.56E-07	6.13E-08
441	488919.6, 3857250.76	9.68E-04	1.53E-07	5.99E-08	9.88E-04	1.56E-07	6.11E-08	9.87E-04	1.55E-07	6.11E-08
442	488969.6, 3857250.76	9.64E-04	1.52E-07	5.97E-08	9.84E-04	1.55E-07	6.09E-08	9.82E-04	1.55E-07	6.08E-08
443	488819.6, 3857300.76	9.95E-04	1.57E-07	6.16E-08	1.02E-03	1.60E-07	6.29E-08	1.01E-03	1.60E-07	6.28E-08
444	488869.6, 3857300.76	9.91E-04	1.56E-07	6.13E-08	1.01E-03	1.59E-07	6.26E-08	1.01E-03	1.59E-07	6.25E-08
445	488919.6, 3857300.76	9.87E-04	1.55E-07	6.11E-08	1.01E-03	1.59E-07	6.23E-08	1.01E-03	1.58E-07	6.22E-08
446	488819.6, 3857450.76	1.06E-03	1.67E-07	6.57E-08	1.08E-03	1.71E-07	6.70E-08	1.08E-03	1.70E-07	6.69E-08
447	488869.6, 3857450.76	1.06E-03	1.67E-07	6.54E-08	1.08E-03	1.70E-07	6.67E-08	1.08E-03	1.70E-07	6.67E-08
448	488919.6, 3857450.76	1.05E-03	1.66E-07	6.52E-08	1.08E-03	1.69E-07	6.65E-08	1.07E-03	1.69E-07	6.65E-08
449	488819.6, 3857500.76	1.09E-03	1.71E-07	6.72E-08	1.11E-03	1.75E-07	6.86E-08	1.11E-03	1.74E-07	6.85E-08
450	488869.6, 3857500.76	1.08E-03	1.71E-07	6.70E-08	1.11E-03	1.74E-07	6.84E-08	1.10E-03	1.74E-07	6.83E-08
451	488919.6, 3857500.76	1.08E-03	1.70E-07	6.68E-08	1.10E-03	1.74E-07	6.82E-08	1.10E-03	1.73E-07	6.81E-08
452	488819.6, 3857550.76	1.11E-03	1.75E-07	6.88E-08	1.14E-03	1.79E-07	7.02E-08	1.13E-03	1.79E-07	7.02E-08
453	488869.6, 3857550.76	1.11E-03	1.75E-07	6.87E-08	1.13E-03	1.78E-07	7.01E-08	1.13E-03	1.78E-07	7.00E-08
454	488919.6, 3857550.76	1.11E-03	1.75E-07	6.86E-08	1.13E-03	1.78E-07	7.00E-08	1.13E-03	1.78E-07	6.99E-08
455	489663.71, 3860900.05	2.20E-03	3.47E-07	1.36E-07	2.25E-03	3.54E-07	1.39E-07	2.25E-03	3.54E-07	1.39E-07
456	489813.71, 3860900.05	2.32E-03	3.66E-07	1.44E-07	2.37E-03	3.73E-07	1.47E-07	2.37E-03	3.73E-07	1.46E-07
457	489863.71, 3860900.05	2.35E-03	3.71E-07	1.46E-07	2.40E-03	3.79E-07	1.49E-07	2.40E-03	3.78E-07	1.49E-07
458	489913.71, 3860900.05	2.40E-03	3.79E-07	1.49E-07	2.45E-03	3.87E-07	1.52E-07	2.45E-03	3.86E-07	1.52E-07
459	489963.71, 3860900.05	2.44E-03	3.85E-07	1.51E-07	2.49E-03	3.92E-07	1.54E-07	2.49E-03	3.92E-07	1.54E-07
460	490013.71, 3860900.05	2.50E-03	3.93E-07	1.55E-07	2.55E-03	4.01E-07	1.58E-07	2.54E-03	4.01E-07	1.57E-07
461	490063.71, 3860900.05	2.55E-03	4.01E-07	1.58E-07	2.60E-03	4.09E-07	1.61E-07	2.59E-03	4.09E-07	1.61E-07
462	489663.71, 3860950.05	2.12E-03	3.34E-07	1.31E-07	2.17E-03	3.41E-07	1.34E-07	2.16E-03	3.41E-07	1.34E-07
463	489813.71, 3860950.05	2.23E-03	3.51E-07	1.38E-07	2.27E-03	3.58E-07	1.41E-07	2.27E-03	3.58E-07	1.41E-07
464	489863.71, 3860950.05	2.26E-03	3.56E-07	1.40E-07	2.30E-03	3.63E-07	1.43E-07	2.30E-03	3.63E-07	1.42E-07
465	489913.71, 3860950.05	2.30E-03	3.62E-07	1.42E-07	2.35E-03	3.70E-07	1.45E-07	2.34E-03	3.69E-07	1.45E-07
466	489963.71, 3860950.05	2.34E-03	3.68E-07	1.45E-07	2.38E-03	3.76E-07	1.48E-07	2.38E-03	3.75E-07	1.47E-07
467	490013.71, 3860950.05	2.38E-03	3.75E-07	1.47E-07	2.43E-03	3.83E-07	1.50E-07	2.43E-03	3.82E-07	1.50E-07
468	490063.71, 3860950.05	2.43E-03	3.82E-07	1.50E-07	2.48E-03	3.90E-07	1.53E-07	2.47E-03	3.90E-07	1.53E-07
469	489513.71, 3861000.05	1.96E-03	3.09E-07	1.21E-07	2.00E-03	3.15E-07	1.24E-07	2.00E-03	3.15E-07	1.24E-07
470	489563.71, 3861000.05	1.99E-03	3.13E-07	1.23E-07	2.03E-03	3.19E-07	1.25E-07	2.02E-03	3.19E-07	1.25E-07
471	489613.71, 3861000.05	2.02E-03	3.18E-07	1.25E-07	2.06E-03	3.25E-07	1.27E-07	2.06E-03	3.24E-07	1.27E-07
472	489663.71, 3861000.05	2.05E-03	3.23E-07	1.27E-07	2.09E-03	3.29E-07	1.29E-07	2.09E-03	3.29E-07	1.29E-07
473	489713.71, 3861000.05	2.08E-03	3.27E-07	1.28E-07	2.12E-03	3.34E-07	1.31E-07	2.12E-03	3.33E-07	1.31E-07
474	489763.71, 3861000.05	2.11E-03	3.32E-07	1.30E-07	2.15E-03	3.39E-07	1.33E-07	2.15E-03	3.38E-07	1.33E-07
475	489813.71, 3861000.05	2.15E-03	3.38E-07	1.33E-07	2.19E-03	3.45E-07	1.36E-07	2.19E-03	3.45E-07	1.35E-07
476	489863.71, 3861000.05	2.17E-03	3.42E-07	1.34E-07	2.22E-03	3.49E-07	1.37E-07	2.21E-03	3.49E-07	1.37E-07
477	489913.71, 3861000.05	2.21E-03	3.48E-07	1.37E-07	2.25E-03	3.55E-07	1.40E-07	2.25E-03	3.55E-07	1.39E-07
478	489963.71, 3861000.05	2.24E-03	3.53E-07	1.39E-07	2.28E-03	3.60E-07	1.41E-07	2.28E-03	3.59E-07	1.41E-07
479	490013.71, 3861000.05	2.28E-03	3.59E-07	1.41E-07	2.32E-03	3.66E-07	1.44E-07	2.32E-03	3.66E-07	1.44E-07
480	490063.71, 3861000.05	2.32E-03	3.65E-07	1.43E-07	2.36E-03	3.72E-07	1.46E-07	2.36E-03	3.72E-07	1.46E-07
481	489513.71, 3861050.05	1.90E-03	2.99E-07	1.18E-07	1.94E-03	3.05E-07	1.20E-07	1.94E-03	3.05E-07	1.20E-07
482	489563.71, 3861050.05	1.92E-03	3.03E-07	1.19E-07	1.96E-03	3.09E-07	1.21E-07	1.96E-03	3.09E-07	1.21E-07
483	489613.71, 3861050.05	1.96E-03	3.08E-07	1.21E-07	2.00E-03	3.15E-07	1.24E-07	1.99E-03	3.14E-07	1.23E-07
484	489663.71, 3861050.05	1.98E-03	3.12E-07	1.22E-07	2.02E-03	3.18E-07	1.25E-07	2.02E-03	3.18E-07	1.25E-07
485	489713.71, 3861050.05	2.00E-03	3.15E-07	1.24E-07	2.04E-03	3.22E-07	1.26E-07	2.04E-03	3.21E-07	1.26E-07
486	489763.71, 3861050.05	2.03E-03	3.20E-07	1.26E-07	2.07E-03	3.26E-07	1.28E-07	2.07E-03	3.26E-07	1.28E-07
487	489813.71, 3861050.05	2.06E-03	3.25E-07	1.28E-07	2.10E-03	3.32E-07	1.30E-07	2.10E-03	3.31E-07	1.30E-07
488	489863.71, 3861050.05	2.09E-03	3.29E-07	1.29E-07	2.13E-03	3.36E-07	1.32E-07	2.13E-03	3.35E-07	1.32E-07
489	489913.71, 3861050.05	2.12E-03	3.34E-07	1.31E-07	2.16E-03	3.41E-07	1.34E-07	2.16E-03	3.40E-07	1.34E-07
490	489963.71, 3861050.05	2.15E-03	3.38E-07	1.33E-07	2.19E-03	3.45E-07	1.36E-07	2.19E-03	3.45E-07	1.36E-07
491	490013.71, 3861050.05	2.19E-03	3.44E-07	1.35E-07	2.23E-03	3.51E-07	1.38E-07	2.23E-03	3.51E-07	1.38E-07
492	490063.71, 3861050.05	2.22E-03	3.49E-07	1.37E-07	2.26E-03	3.57E-07	1.40E-07	2.26E-03	3.56E-07	1.40E-07
493	489513.71, 3861100.05	1.85E-03	2.91E-07	1.14E-07	1.88E-03	2.97E-07	1.17E-07	1.88E-03	2.96E-07	1.16E-07
494	489563.71, 3861100.05	1.86E-03	2.93E-07	1.15E-07	1.90E-03	2.99E-07	1.18E-07	1.90E-03	2.99E-07	1.17E-07
495	489613.71, 3861100.05	1.88E-03	2.96E-07	1.16E-07	1.91E-03	3.02E-07	1.18E-07	1.91E-03	3.01E-07	1.18E-07
496	489663.71, 3861100.05	1.90E-03	3.00E-07	1.18E-07	1.94E-03	3.06E-07	1.20E-07	1.94E-03	3.05E-07	1.20E-07
497	489713.71, 3861100.05	1.93E-03	3.04E-07	1.19E-07	1.97E-03	3.10E-07	1.22E-07	1.97E-03	3.10E-07	1.22E-07
498	489763.71, 3861100.05	1.95E-03	3.08E-07	1.21E-07	1.99E-03	3.14E-07	1.23E-07	1.99E-03	3.14E-07	1.23E-07
499	489813.71, 3861100.05	1.98E-03	3.12E-07	1.23E-07	2.02E-03	3.19E-07	1.25E-07	2.02E-03	3.18E-07	1.25E-07
500	489863.71, 3861100.05	2.02E-03	3.17E-07	1.25E-07	2.06E-03	3.24E-07	1.27E-07	2.05E-03	3.24E-07	1.27E-07

501	489913.71, 3861100.05	2.04E-03	3.21E-07	1.26E-07	2.08E-03	3.27E-07	1.29E-07	2.08E-03	3.27E-07	1.28E-07
502	489963.71, 3861100.05	2.06E-03	3.25E-07	1.28E-07	2.11E-03	3.32E-07	1.30E-07	2.10E-03	3.31E-07	1.30E-07
503	490013.71, 3861100.05	2.09E-03	3.29E-07	1.29E-07	2.13E-03	3.36E-07	1.32E-07	2.13E-03	3.35E-07	1.32E-07
504	490063.71, 3861100.05	2.12E-03	3.34E-07	1.31E-07	2.16E-03	3.41E-07	1.34E-07	2.16E-03	3.40E-07	1.34E-07
505	489713.71, 3861150.05	1.86E-03	2.93E-07	1.15E-07	1.90E-03	2.99E-07	1.17E-07	1.89E-03	2.98E-07	1.17E-07
506	489763.71, 3861150.05	1.88E-03	2.97E-07	1.17E-07	1.92E-03	3.03E-07	1.19E-07	1.92E-03	3.03E-07	1.19E-07
507	489813.71, 3861150.05	1.91E-03	3.01E-07	1.18E-07	1.95E-03	3.07E-07	1.21E-07	1.95E-03	3.07E-07	1.20E-07
508	489863.71, 3861150.05	1.93E-03	3.05E-07	1.20E-07	1.97E-03	3.11E-07	1.22E-07	1.97E-03	3.11E-07	1.22E-07
509	489913.71, 3861150.05	1.96E-03	3.08E-07	1.21E-07	2.00E-03	3.15E-07	1.24E-07	1.99E-03	3.14E-07	1.23E-07
510	489963.71, 3861150.05	1.98E-03	3.12E-07	1.22E-07	2.02E-03	3.18E-07	1.25E-07	2.02E-03	3.18E-07	1.25E-07
511	490013.71, 3861150.05	2.00E-03	3.15E-07	1.24E-07	2.04E-03	3.22E-07	1.26E-07	2.04E-03	3.21E-07	1.26E-07
512	490063.71, 3861150.05	2.03E-03	3.20E-07	1.26E-07	2.07E-03	3.26E-07	1.28E-07	2.07E-03	3.26E-07	1.28E-07
513	489613.71, 3861200.05	1.75E-03	2.75E-07	1.08E-07	1.78E-03	2.81E-07	1.10E-07	1.78E-03	2.81E-07	1.10E-07
514	489663.71, 3861200.05	1.77E-03	2.79E-07	1.10E-07	1.81E-03	2.85E-07	1.12E-07	1.80E-03	2.84E-07	1.12E-07
515	489713.71, 3861200.05	1.79E-03	2.83E-07	1.11E-07	1.83E-03	2.88E-07	1.13E-07	1.83E-03	2.88E-07	1.13E-07
516	489763.71, 3861200.05	1.82E-03	2.86E-07	1.12E-07	1.85E-03	2.92E-07	1.15E-07	1.85E-03	2.92E-07	1.15E-07
517	489813.71, 3861200.05	1.84E-03	2.90E-07	1.14E-07	1.88E-03	2.96E-07	1.16E-07	1.88E-03	2.95E-07	1.16E-07
518	489863.71, 3861200.05	1.87E-03	2.94E-07	1.15E-07	1.90E-03	3.00E-07	1.18E-07	1.90E-03	2.99E-07	1.18E-07
519	489913.71, 3861200.05	1.88E-03	2.97E-07	1.17E-07	1.92E-03	3.03E-07	1.19E-07	1.92E-03	3.03E-07	1.19E-07
520	489963.71, 3861200.05	1.90E-03	3.00E-07	1.18E-07	1.94E-03	3.06E-07	1.20E-07	1.94E-03	3.05E-07	1.20E-07
521	490013.71, 3861200.05	1.92E-03	3.03E-07	1.19E-07	1.96E-03	3.09E-07	1.22E-07	1.96E-03	3.09E-07	1.21E-07
522	490063.71, 3861200.05	1.94E-03	3.06E-07	1.20E-07	1.98E-03	3.13E-07	1.23E-07	1.98E-03	3.12E-07	1.23E-07
523	489513.71, 3861250.05	1.65E-03	2.59E-07	1.02E-07	1.68E-03	2.65E-07	1.04E-07	1.68E-03	2.64E-07	1.04E-07
524	489563.71, 3861250.05	1.67E-03	2.63E-07	1.03E-07	1.70E-03	2.69E-07	1.05E-07	1.70E-03	2.68E-07	1.05E-07
525	489613.71, 3861250.05	1.69E-03	2.67E-07	1.05E-07	1.73E-03	2.72E-07	1.07E-07	1.72E-03	2.72E-07	1.07E-07
526	489663.71, 3861250.05	1.71E-03	2.70E-07	1.06E-07	1.75E-03	2.75E-07	1.08E-07	1.74E-03	2.75E-07	1.08E-07
527	489713.71, 3861250.05	1.73E-03	2.73E-07	1.07E-07	1.77E-03	2.78E-07	1.09E-07	1.77E-03	2.78E-07	1.09E-07
528	489763.71, 3861250.05	1.75E-03	2.76E-07	1.08E-07	1.79E-03	2.82E-07	1.11E-07	1.79E-03	2.81E-07	1.11E-07
529	489813.71, 3861250.05	1.77E-03	2.79E-07	1.10E-07	1.81E-03	2.85E-07	1.12E-07	1.81E-03	2.85E-07	1.12E-07
530	489863.71, 3861250.05	1.79E-03	2.83E-07	1.11E-07	1.83E-03	2.88E-07	1.13E-07	1.83E-03	2.88E-07	1.13E-07
531	489913.71, 3861250.05	1.82E-03	2.86E-07	1.12E-07	1.85E-03	2.92E-07	1.15E-07	1.85E-03	2.91E-07	1.14E-07
532	489963.71, 3861250.05	1.83E-03	2.89E-07	1.14E-07	1.87E-03	2.95E-07	1.16E-07	1.87E-03	2.94E-07	1.16E-07
533	490013.71, 3861250.05	1.85E-03	2.92E-07	1.15E-07	1.89E-03	2.98E-07	1.17E-07	1.89E-03	2.97E-07	1.17E-07
534	490063.71, 3861250.05	1.87E-03	2.94E-07	1.16E-07	1.90E-03	3.00E-07	1.18E-07	1.90E-03	3.00E-07	1.18E-07
535	489528.13, 3861308.47	1.59E-03	2.51E-07	9.85E-08	1.62E-03	2.56E-07	1.00E-07	1.62E-03	2.55E-07	1.00E-07
536	489578.13, 3861308.47	1.61E-03	2.54E-07	9.97E-08	1.64E-03	2.59E-07	1.02E-07	1.64E-03	2.59E-07	1.02E-07
537	489628.13, 3861308.47	1.63E-03	2.57E-07	1.01E-07	1.66E-03	2.62E-07	1.03E-07	1.66E-03	2.62E-07	1.03E-07
538	489678.13, 3861308.47	1.65E-03	2.60E-07	1.02E-07	1.68E-03	2.65E-07	1.04E-07	1.68E-03	2.65E-07	1.04E-07
539	489728.13, 3861308.47	1.67E-03	2.63E-07	1.03E-07	1.70E-03	2.68E-07	1.05E-07	1.70E-03	2.68E-07	1.05E-07
540	489778.13, 3861308.47	1.69E-03	2.66E-07	1.04E-07	1.72E-03	2.71E-07	1.06E-07	1.72E-03	2.71E-07	1.06E-07
541	489678.13, 3861358.47	1.59E-03	2.51E-07	9.86E-08	1.63E-03	2.56E-07	1.01E-07	1.62E-03	2.56E-07	1.00E-07
542	489728.13, 3861358.47	1.61E-03	2.54E-07	9.97E-08	1.64E-03	2.59E-07	1.02E-07	1.64E-03	2.59E-07	1.02E-07
543	489528.13, 3861408.47	1.49E-03	2.35E-07	9.22E-08	1.52E-03	2.39E-07	9.41E-08	1.52E-03	2.39E-07	9.40E-08
544	489578.13, 3861408.47	1.51E-03	2.37E-07	9.32E-08	1.54E-03	2.42E-07	9.51E-08	1.54E-03	2.42E-07	9.50E-08
545	489628.13, 3861408.47	1.53E-03	2.41E-07	9.45E-08	1.56E-03	2.45E-07	9.64E-08	1.56E-03	2.45E-07	9.63E-08
546	489678.13, 3861408.47	1.54E-03	2.43E-07	9.54E-08	1.57E-03	2.48E-07	9.73E-08	1.57E-03	2.47E-07	9.72E-08
547	489728.13, 3861408.47	1.55E-03	2.45E-07	9.62E-08	1.59E-03	2.50E-07	9.82E-08	1.58E-03	2.50E-07	9.81E-08
548	489528.13, 3861458.47	1.44E-03	2.28E-07	8.94E-08	1.47E-03	2.32E-07	9.12E-08	1.47E-03	2.32E-07	9.11E-08
549	489578.13, 3861458.47	1.46E-03	2.30E-07	9.04E-08	1.49E-03	2.35E-07	9.22E-08	1.49E-03	2.34E-07	9.21E-08
550	489628.13, 3861458.47	1.48E-03	2.32E-07	9.13E-08	1.51E-03	2.37E-07	9.32E-08	1.50E-03	2.37E-07	9.31E-08
551	489678.13, 3861458.47	1.49E-03	2.35E-07	9.21E-08	1.52E-03	2.39E-07	9.40E-08	1.52E-03	2.39E-07	9.39E-08
552	489728.13, 3861458.47	1.50E-03	2.36E-07	9.28E-08	1.53E-03	2.41E-07	9.47E-08	1.53E-03	2.41E-07	9.46E-08
553	489528.13, 3861508.47	1.40E-03	2.21E-07	8.67E-08	1.43E-03	2.25E-07	8.84E-08	1.43E-03	2.25E-07	8.83E-08
554	489578.13, 3861508.47	1.41E-03	2.23E-07	8.75E-08	1.44E-03	2.27E-07	8.92E-08	1.44E-03	2.27E-07	8.91E-08
555	489628.13, 3861508.47	1.43E-03	2.25E-07	8.82E-08	1.45E-03	2.29E-07	9.00E-08	1.45E-03	2.29E-07	8.99E-08
556	489678.13, 3861508.47	1.44E-03	2.26E-07	8.89E-08	1.47E-03	2.31E-07	9.08E-08	1.46E-03	2.31E-07	9.06E-08
557	489728.13, 3861508.47	1.45E-03	2.28E-07	8.96E-08	1.48E-03	2.33E-07	9.14E-08	1.48E-03	2.32E-07	9.13E-08
558	489628.13, 3861558.47	1.38E-03	2.18E-07	8.55E-08	1.41E-03	2.22E-07	8.73E-08	1.41E-03	2.22E-07	8.72E-08
559	489678.13, 3861558.47	1.40E-03	2.20E-07	8.64E-08	1.42E-03	2.24E-07	8.81E-08	1.42E-03	2.24E-07	8.80E-08
560	489728.13, 3861558.47	1.41E-03	2.21E-07	8.70E-08	1.43E-03	2.26E-07	8.88E-08	1.43E-03	2.26E-07	8.87E-08
561	489357.08, 3861015.81	1.86E-03	2.92E-07	1.15E-07	1.89E-03	2.98E-07	1.17E-07	1.89E-03	2.98E-07	1.17E-07
562	489407.08, 3861015.81	1.88E-03	2.96E-07	1.16E-07	1.92E-03	3.02E-07	1.19E-07	1.91E-03	3.01E-07	1.18E-07
563	489457.08, 3861015.81	1.90E-03	3.00E-07	1.18E-07	1.94E-03	3.06E-07	1.20E-07	1.94E-03	3.06E-07	1.20E-07

564	489357.08, 3861065.81	1.80E-03	2.83E-07	1.11E-07	1.84E-03	2.89E-07	1.14E-07	1.83E-03	2.89E-07	1.13E-07
565	489407.08, 3861065.81	1.82E-03	2.87E-07	1.13E-07	1.86E-03	2.92E-07	1.15E-07	1.85E-03	2.92E-07	1.15E-07
566	489457.08, 3861065.81	1.84E-03	2.90E-07	1.14E-07	1.88E-03	2.96E-07	1.16E-07	1.88E-03	2.96E-07	1.16E-07
567	489357.08, 3861115.81	1.74E-03	2.75E-07	1.08E-07	1.78E-03	2.80E-07	1.10E-07	1.78E-03	2.80E-07	1.10E-07
568	489407.08, 3861115.81	1.77E-03	2.78E-07	1.09E-07	1.80E-03	2.84E-07	1.12E-07	1.80E-03	2.84E-07	1.11E-07
569	489457.08, 3861115.81	1.79E-03	2.82E-07	1.11E-07	1.83E-03	2.88E-07	1.13E-07	1.83E-03	2.88E-07	1.13E-07
570	489407.08, 3861165.81	1.72E-03	2.70E-07	1.06E-07	1.75E-03	2.76E-07	1.08E-07	1.75E-03	2.76E-07	1.08E-07
571	489457.08, 3861165.81	1.73E-03	2.73E-07	1.07E-07	1.77E-03	2.79E-07	1.10E-07	1.77E-03	2.79E-07	1.09E-07
572	489407.08, 3861215.81	1.65E-03	2.60E-07	1.02E-07	1.68E-03	2.65E-07	1.04E-07	1.68E-03	2.65E-07	1.04E-07
573	489457.08, 3861215.81	1.67E-03	2.63E-07	1.03E-07	1.70E-03	2.68E-07	1.05E-07	1.70E-03	2.68E-07	1.05E-07
574	489407.08, 3861265.81	1.59E-03	2.50E-07	9.83E-08	1.62E-03	2.55E-07	1.00E-07	1.62E-03	2.55E-07	1.00E-07
575	489457.08, 3861265.81	1.61E-03	2.53E-07	9.96E-08	1.64E-03	2.59E-07	1.02E-07	1.64E-03	2.58E-07	1.01E-07
576	489309.86, 3861110.14	1.73E-03	2.72E-07	1.07E-07	1.76E-03	2.77E-07	1.09E-07	1.76E-03	2.77E-07	1.09E-07
577	489407.08, 3861315.81	1.54E-03	2.42E-07	9.52E-08	1.57E-03	2.47E-07	9.72E-08	1.57E-03	2.47E-07	9.71E-08
578	489457.08, 3861315.81	1.56E-03	2.45E-07	9.64E-08	1.59E-03	2.50E-07	9.84E-08	1.59E-03	2.50E-07	9.83E-08
579	488906.03, 3861006.75	1.66E-03	2.62E-07	1.03E-07	1.70E-03	2.67E-07	1.05E-07	1.70E-03	2.67E-07	1.05E-07
580	488956.03, 3861006.75	1.69E-03	2.67E-07	1.05E-07	1.73E-03	2.72E-07	1.07E-07	1.73E-03	2.72E-07	1.07E-07
581	488904.24, 3861051.87	1.65E-03	2.59E-07	1.02E-07	1.68E-03	2.65E-07	1.04E-07	1.68E-03	2.64E-07	1.04E-07
582	488954.24, 3861051.87	1.66E-03	2.61E-07	1.03E-07	1.69E-03	2.67E-07	1.05E-07	1.69E-03	2.66E-07	1.05E-07
583	489004.24, 3861051.87	1.69E-03	2.66E-07	1.05E-07	1.73E-03	2.72E-07	1.07E-07	1.72E-03	2.71E-07	1.07E-07
584	488804.24, 3861101.87	1.54E-03	2.43E-07	9.56E-08	1.58E-03	2.48E-07	9.75E-08	1.57E-03	2.48E-07	9.74E-08
585	488854.24, 3861101.87	1.57E-03	2.48E-07	9.72E-08	1.60E-03	2.53E-07	9.92E-08	1.60E-03	2.52E-07	9.91E-08
586	488904.24, 3861101.87	1.57E-03	2.48E-07	9.73E-08	1.60E-03	2.53E-07	9.93E-08	1.60E-03	2.52E-07	9.92E-08
587	488954.24, 3861101.87	1.59E-03	2.50E-07	9.81E-08	1.62E-03	2.55E-07	1.00E-07	1.62E-03	2.55E-07	1.00E-07
588	489004.24, 3861101.87	1.61E-03	2.53E-07	9.95E-08	1.64E-03	2.58E-07	1.02E-07	1.64E-03	2.58E-07	1.01E-07
589	488804.24, 3861151.87	1.48E-03	2.32E-07	9.13E-08	1.51E-03	2.37E-07	9.32E-08	1.50E-03	2.37E-07	9.31E-08
590	488854.24, 3861151.87	1.49E-03	2.35E-07	9.23E-08	1.52E-03	2.40E-07	9.42E-08	1.52E-03	2.39E-07	9.41E-08
591	489129.49, 3861187.55	1.56E-03	2.46E-07	9.68E-08	1.60E-03	2.51E-07	9.87E-08	1.59E-03	2.51E-07	9.86E-08
592	489179.49, 3861187.55	1.58E-03	2.49E-07	9.79E-08	1.61E-03	2.54E-07	9.99E-08	1.61E-03	2.54E-07	9.98E-08
593	488804.24, 3861201.87	1.44E-03	2.27E-07	8.90E-08	1.47E-03	2.31E-07	9.08E-08	1.47E-03	2.31E-07	9.07E-08
594	488854.24, 3861201.87	1.45E-03	2.28E-07	8.96E-08	1.48E-03	2.33E-07	9.14E-08	1.48E-03	2.32E-07	9.13E-08
595	489129.49, 3861237.55	1.53E-03	2.40E-07	9.44E-08	1.56E-03	2.45E-07	9.63E-08	1.55E-03	2.45E-07	9.62E-08
596	489179.49, 3861237.55	1.54E-03	2.42E-07	9.51E-08	1.57E-03	2.47E-07	9.71E-08	1.57E-03	2.47E-07	9.69E-08
597	488804.24, 3861251.87	1.40E-03	2.21E-07	8.69E-08	1.43E-03	2.26E-07	8.87E-08	1.43E-03	2.25E-07	8.86E-08
598	488854.24, 3861251.87	1.41E-03	2.22E-07	8.74E-08	1.44E-03	2.27E-07	8.91E-08	1.44E-03	2.27E-07	8.90E-08
599	488804.24, 3861301.87	1.37E-03	2.15E-07	8.45E-08	1.39E-03	2.20E-07	8.63E-08	1.39E-03	2.19E-07	8.61E-08
600	488854.24, 3861301.87	1.38E-03	2.17E-07	8.52E-08	1.40E-03	2.21E-07	8.69E-08	1.40E-03	2.21E-07	8.68E-08
601	490943.5, 3860181.97	1.44E-02	2.27E-06	8.91E-07	1.47E-02	2.31E-06	9.09E-07	1.47E-02	2.31E-06	9.08E-07
602	490993.5, 3860181.97	1.58E-02	2.49E-06	9.77E-07	1.61E-02	2.54E-06	9.97E-07	1.61E-02	2.53E-06	9.95E-07
603	491043.5, 3860181.97	1.76E-02	2.77E-06	1.09E-06	1.79E-02	2.82E-06	1.11E-06	1.79E-02	2.82E-06	1.11E-06
604	491093.5, 3860181.97	1.97E-02	3.11E-06	1.22E-06	2.01E-02	3.17E-06	1.25E-06	2.01E-02	3.17E-06	1.25E-06
605	490943.5, 3860231.97	1.25E-02	1.97E-06	7.72E-07	1.27E-02	2.01E-06	7.88E-07	1.27E-02	2.00E-06	7.87E-07
606	490993.5, 3860231.97	1.37E-02	2.16E-06	8.48E-07	1.40E-02	2.20E-06	8.65E-07	1.40E-02	2.20E-06	8.64E-07
607	491043.5, 3860231.97	1.49E-02	2.35E-06	9.22E-07	1.52E-02	2.39E-06	9.40E-07	1.52E-02	2.39E-06	9.39E-07
608	491093.5, 3860231.97	1.64E-02	2.58E-06	1.01E-06	1.67E-02	2.63E-06	1.03E-06	1.67E-02	2.63E-06	1.03E-06
609	490943.5, 3860281.97	1.10E-02	1.73E-06	6.79E-07	1.12E-02	1.76E-06	6.93E-07	1.12E-02	1.76E-06	6.92E-07
610	490993.5, 3860281.97	1.19E-02	1.88E-06	7.37E-07	1.21E-02	1.91E-06	7.52E-07	1.21E-02	1.91E-06	7.51E-07
611	491043.5, 3860281.97	1.29E-02	2.03E-06	7.96E-07	1.31E-02	2.07E-06	8.12E-07	1.31E-02	2.06E-06	8.11E-07
612	491093.5, 3860281.97	1.40E-02	2.20E-06	8.65E-07	1.43E-02	2.25E-06	8.83E-07	1.42E-02	2.24E-06	8.82E-07
613	490943.5, 3860331.97	9.74E-03	1.53E-06	6.03E-07	9.94E-03	1.57E-06	6.15E-07	9.92E-03	1.56E-06	6.14E-07
614	490993.5, 3860331.97	1.04E-02	1.63E-06	6.41E-07	1.06E-02	1.67E-06	6.54E-07	1.06E-02	1.66E-06	6.53E-07
615	491043.5, 3860331.97	1.11E-02	1.75E-06	6.87E-07	1.13E-02	1.78E-06	7.01E-07	1.13E-02	1.78E-06	7.00E-07
616	491093.5, 3860331.97	1.20E-02	1.89E-06	7.41E-07	1.22E-02	1.92E-06	7.56E-07	1.22E-02	1.92E-06	7.55E-07
617	490086.72, 3859935.12	1.04E-02	1.63E-06	6.41E-07	1.06E-02	1.67E-06	6.54E-07	1.06E-02	1.66E-06	6.54E-07
618	490136.72, 3859935.12	1.09E-02	1.72E-06	6.78E-07	1.12E-02	1.76E-06	6.91E-07	1.12E-02	1.76E-06	6.91E-07
619	490186.72, 3859935.12	1.16E-02	1.83E-06	7.18E-07	1.18E-02	1.86E-06	7.32E-07	1.18E-02	1.86E-06	7.32E-07
620	490236.72, 3859935.12	1.23E-02	1.94E-06	7.62E-07	1.26E-02	1.98E-06	7.78E-07	1.25E-02	1.98E-06	7.77E-07
621	490286.72, 3859935.12	1.31E-02	2.06E-06	8.08E-07	1.33E-02	2.10E-06	8.25E-07	1.33E-02	2.10E-06	8.24E-07
622	490336.72, 3859935.12	1.39E-02	2.19E-06	8.59E-07	1.42E-02	2.23E-06	8.76E-07	1.41E-02	2.23E-06	8.75E-07
623	490386.72, 3859935.12	1.48E-02	2.34E-06	9.19E-07	1.52E-02	2.39E-06	9.38E-07	1.51E-02	2.38E-06	9.37E-07
624	490436.72, 3859935.12	1.59E-02	2.51E-06	9.86E-07	1.63E-02	2.56E-06	1.01E-06	1.62E-02	2.56E-06	1.00E-06
625	490486.72, 3859935.12	1.72E-02	2.71E-06	1.07E-06	1.76E-02	2.77E-06	1.09E-06	1.76E-02	2.77E-06	1.09E-06
626	490536.72, 3859935.12	1.91E-02	3.01E-06	1.18E-06	1.95E-02	3.07E-06	1.21E-06	1.95E-02	3.07E-06	1.21E-06

627	490586.72, 3859935.12	2.16E-02	3.40E-06	1.33E-06	2.20E-02	3.46E-06	1.36E-06	2.20E-02	3.46E-06	1.36E-06
628	490636.72, 3859935.12	2.42E-02	3.81E-06	1.50E-06	2.47E-02	3.88E-06	1.53E-06	2.46E-02	3.88E-06	1.52E-06
629	490686.72, 3859935.12	2.83E-02	4.46E-06	1.75E-06	2.89E-02	4.55E-06	1.79E-06	2.89E-02	4.55E-06	1.79E-06
630	490736.72, 3859935.12	3.33E-02	5.24E-06	2.06E-06	3.39E-02	5.35E-06	2.10E-06	3.39E-02	5.34E-06	2.10E-06
631	490086.72, 3859985.12	9.19E-03	1.45E-06	5.69E-07	9.38E-03	1.48E-06	5.80E-07	9.37E-03	1.48E-06	5.80E-07
632	490136.72, 3859985.12	9.64E-03	1.52E-06	5.97E-07	9.84E-03	1.55E-06	6.09E-07	9.83E-03	1.55E-06	6.08E-07
633	490186.72, 3859985.12	1.02E-02	1.60E-06	6.29E-07	1.04E-02	1.63E-06	6.42E-07	1.04E-02	1.63E-06	6.41E-07
634	490236.72, 3859985.12	1.08E-02	1.70E-06	6.66E-07	1.10E-02	1.73E-06	6.80E-07	1.10E-02	1.73E-06	6.79E-07
635	490286.72, 3859985.12	1.13E-02	1.79E-06	7.02E-07	1.16E-02	1.82E-06	7.17E-07	1.16E-02	1.82E-06	7.16E-07
636	490336.72, 3859985.12	1.20E-02	1.88E-06	7.41E-07	1.22E-02	1.92E-06	7.56E-07	1.22E-02	1.92E-06	7.55E-07
637	490386.72, 3859985.12	1.26E-02	1.98E-06	7.78E-07	1.28E-02	2.02E-06	7.94E-07	1.28E-02	2.02E-06	7.93E-07
638	490436.72, 3859985.12	1.33E-02	2.10E-06	8.24E-07	1.36E-02	2.14E-06	8.41E-07	1.36E-02	2.14E-06	8.40E-07
639	490486.72, 3859985.12	1.42E-02	2.24E-06	8.79E-07	1.45E-02	2.28E-06	8.97E-07	1.45E-02	2.28E-06	8.96E-07
640	490536.72, 3859985.12	1.53E-02	2.42E-06	9.50E-07	1.57E-02	2.47E-06	9.69E-07	1.56E-02	2.46E-06	9.68E-07
641	490586.72, 3859985.12	1.68E-02	2.64E-06	1.04E-06	1.71E-02	2.70E-06	1.06E-06	1.71E-02	2.69E-06	1.06E-06
642	490636.72, 3859985.12	1.86E-02	2.93E-06	1.15E-06	1.90E-02	2.99E-06	1.17E-06	1.89E-02	2.98E-06	1.17E-06
643	490686.72, 3859985.12	2.11E-02	3.32E-06	1.30E-06	2.15E-02	3.38E-06	1.33E-06	2.15E-02	3.38E-06	1.33E-06
644	490736.72, 3859985.12	2.34E-02	3.69E-06	1.45E-06	2.39E-02	3.76E-06	1.48E-06	2.39E-02	3.76E-06	1.48E-06
645	490786.72, 3859985.12	2.64E-02	4.15E-06	1.63E-06	2.69E-02	4.24E-06	1.66E-06	2.69E-02	4.23E-06	1.66E-06
646	490086.72, 3860035.12	8.25E-03	1.30E-06	5.10E-07	8.42E-03	1.33E-06	5.21E-07	8.41E-03	1.32E-06	5.20E-07
647	490136.72, 3860035.12	8.62E-03	1.36E-06	5.33E-07	8.80E-03	1.39E-06	5.44E-07	8.79E-03	1.38E-06	5.44E-07
648	490186.72, 3860035.12	9.03E-03	1.42E-06	5.59E-07	9.21E-03	1.45E-06	5.70E-07	9.20E-03	1.45E-06	5.69E-07
649	490236.72, 3860035.12	9.47E-03	1.49E-06	5.86E-07	9.66E-03	1.52E-06	5.98E-07	9.65E-03	1.52E-06	5.97E-07
650	490286.72, 3860035.12	9.92E-03	1.56E-06	6.14E-07	1.01E-02	1.60E-06	6.27E-07	1.01E-02	1.59E-06	6.26E-07
651	490336.72, 3860035.12	1.05E-02	1.65E-06	6.48E-07	1.07E-02	1.68E-06	6.61E-07	1.07E-02	1.68E-06	6.60E-07
652	490386.72, 3860035.12	1.09E-02	1.72E-06	6.77E-07	1.12E-02	1.76E-06	6.91E-07	1.11E-02	1.76E-06	6.90E-07
653	490436.72, 3860035.12	1.15E-02	1.81E-06	7.11E-07	1.17E-02	1.85E-06	7.25E-07	1.17E-02	1.84E-06	7.24E-07
654	490486.72, 3860035.12	1.21E-02	1.91E-06	7.51E-07	1.24E-02	1.95E-06	7.66E-07	1.24E-02	1.95E-06	7.65E-07
655	490536.72, 3860035.12	1.29E-02	2.04E-06	8.00E-07	1.32E-02	2.08E-06	8.17E-07	1.32E-02	2.08E-06	8.16E-07
656	490586.72, 3860035.12	1.38E-02	2.18E-06	8.56E-07	1.41E-02	2.22E-06	8.74E-07	1.41E-02	2.22E-06	8.73E-07
657	490636.72, 3860035.12	1.48E-02	2.33E-06	9.15E-07	1.51E-02	2.38E-06	9.34E-07	1.51E-02	2.37E-06	9.33E-07
658	490686.72, 3860035.12	1.62E-02	2.54E-06	1.00E-06	1.65E-02	2.60E-06	1.02E-06	1.65E-02	2.59E-06	1.02E-06
659	490736.72, 3860035.12	1.81E-02	2.85E-06	1.12E-06	1.85E-02	2.91E-06	1.14E-06	1.84E-02	2.90E-06	1.14E-06
660	490786.72, 3860035.12	1.99E-02	3.13E-06	1.23E-06	2.03E-02	3.19E-06	1.25E-06	2.02E-02	3.19E-06	1.25E-06
661	490836.72, 3860035.12	2.20E-02	3.46E-06	1.36E-06	2.24E-02	3.53E-06	1.39E-06	2.24E-02	3.53E-06	1.39E-06
662	490086.72, 3860085.12	7.54E-03	1.19E-06	4.67E-07	7.69E-03	1.21E-06	4.76E-07	7.69E-03	1.21E-06	4.76E-07
663	490136.72, 3860085.12	7.78E-03	1.23E-06	4.81E-07	7.94E-03	1.25E-06	4.91E-07	7.93E-03	1.25E-06	4.91E-07
664	490186.72, 3860085.12	8.15E-03	1.28E-06	5.04E-07	8.31E-03	1.31E-06	5.15E-07	8.30E-03	1.31E-06	5.14E-07
665	490236.72, 3860085.12	8.50E-03	1.34E-06	5.26E-07	8.67E-03	1.37E-06	5.37E-07	8.66E-03	1.36E-06	5.36E-07
666	490286.72, 3860085.12	8.87E-03	1.40E-06	5.49E-07	9.05E-03	1.43E-06	5.60E-07	9.04E-03	1.42E-06	5.60E-07
667	490336.72, 3860085.12	9.25E-03	1.46E-06	5.72E-07	9.44E-03	1.49E-06	5.84E-07	9.42E-03	1.48E-06	5.83E-07
668	490386.72, 3860085.12	9.66E-03	1.52E-06	5.98E-07	9.85E-03	1.55E-06	6.10E-07	9.84E-03	1.55E-06	6.09E-07
669	490436.72, 3860085.12	1.01E-02	1.59E-06	6.25E-07	1.03E-02	1.62E-06	6.38E-07	1.03E-02	1.62E-06	6.37E-07
670	490486.72, 3860085.12	1.06E-02	1.66E-06	6.54E-07	1.08E-02	1.70E-06	6.67E-07	1.08E-02	1.70E-06	6.66E-07
671	490536.72, 3860085.12	1.12E-02	1.76E-06	6.91E-07	1.14E-02	1.79E-06	7.05E-07	1.14E-02	1.79E-06	7.04E-07
672	490586.72, 3860085.12	1.18E-02	1.86E-06	7.32E-07	1.21E-02	1.90E-06	7.47E-07	1.21E-02	1.90E-06	7.46E-07
673	490636.72, 3860085.12	1.25E-02	1.98E-06	7.76E-07	1.28E-02	2.02E-06	7.92E-07	1.28E-02	2.01E-06	7.91E-07
674	490686.72, 3860085.12	1.35E-02	2.12E-06	8.34E-07	1.37E-02	2.17E-06	8.51E-07	1.37E-02	2.16E-06	8.50E-07
675	490736.72, 3860085.12	1.46E-02	2.30E-06	9.04E-07	1.49E-02	2.35E-06	9.23E-07	1.49E-02	2.35E-06	9.22E-07
676	490786.72, 3860085.12	1.60E-02	2.51E-06	9.88E-07	1.63E-02	2.57E-06	1.01E-06	1.63E-02	2.56E-06	1.01E-06
677	490836.72, 3860085.12	1.74E-02	2.74E-06	1.08E-06	1.77E-02	2.79E-06	1.10E-06	1.77E-02	2.79E-06	1.10E-06
678	490086.72, 3860135.12	6.77E-03	1.07E-06	4.19E-07	6.91E-03	1.09E-06	4.28E-07	6.90E-03	1.09E-06	4.27E-07
679	490136.72, 3860135.12	7.06E-03	1.11E-06	4.37E-07	7.20E-03	1.13E-06	4.46E-07	7.19E-03	1.13E-06	4.45E-07
680	490186.72, 3860135.12	7.37E-03	1.16E-06	4.56E-07	7.52E-03	1.18E-06	4.65E-07	7.51E-03	1.18E-06	4.65E-07
681	490236.72, 3860135.12	7.66E-03	1.21E-06	4.74E-07	7.81E-03	1.23E-06	4.84E-07	7.80E-03	1.23E-06	4.83E-07
682	490286.72, 3860135.12	7.98E-03	1.26E-06	4.94E-07	8.14E-03	1.28E-06	5.04E-07	8.13E-03	1.28E-06	5.03E-07
683	490336.72, 3860135.12	8.31E-03	1.31E-06	5.14E-07	8.48E-03	1.34E-06	5.25E-07	8.47E-03	1.33E-06	5.24E-07
684	490386.72, 3860135.12	8.64E-03	1.36E-06	5.35E-07	8.82E-03	1.39E-06	5.46E-07	8.81E-03	1.39E-06	5.45E-07
685	490436.72, 3860135.12	8.99E-03	1.42E-06	5.56E-07	9.17E-03	1.44E-06	5.68E-07	9.16E-03	1.44E-06	5.67E-07
686	490486.72, 3860135.12	9.38E-03	1.48E-06	5.80E-07	9.57E-03	1.51E-06	5.92E-07	9.56E-03	1.51E-06	5.92E-07
687	490536.72, 3860135.12	9.86E-03	1.55E-06	6.10E-07	1.01E-02	1.58E-06	6.23E-07	1.00E-02	1.58E-06	6.22E-07
688	490586.72, 3860135.12	1.04E-02	1.63E-06	6.41E-07	1.06E-02	1.67E-06	6.54E-07	1.06E-02	1.66E-06	6.54E-07
689	490636.72, 3860135.12	1.09E-02	1.72E-06	6.76E-07	1.11E-02	1.76E-06	6.90E-07	1.11E-02	1.75E-06	6.89E-07

690	490686.72, 3860135.12	1.16E-02	1.82E-06	7.15E-07	1.18E-02	1.86E-06	7.29E-07	1.18E-02	1.85E-06	7.29E-07
691	490736.72, 3860135.12	1.23E-02	1.94E-06	7.63E-07	1.26E-02	1.98E-06	7.79E-07	1.26E-02	1.98E-06	7.78E-07
692	490786.72, 3860135.12	1.33E-02	2.10E-06	8.25E-07	1.36E-02	2.14E-06	8.42E-07	1.36E-02	2.14E-06	8.41E-07
693	490836.72, 3860135.12	1.44E-02	2.26E-06	8.89E-07	1.47E-02	2.31E-06	9.07E-07	1.46E-02	2.31E-06	9.06E-07
694	490086.72, 3860185.12	6.19E-03	9.75E-07	3.83E-07	6.32E-03	9.95E-07	3.91E-07	6.31E-03	9.94E-07	3.90E-07
695	490136.72, 3860185.12	6.46E-03	1.02E-06	4.00E-07	6.59E-03	1.04E-06	4.08E-07	6.58E-03	1.04E-06	4.07E-07
696	490186.72, 3860185.12	6.72E-03	1.06E-06	4.16E-07	6.85E-03	1.08E-06	4.24E-07	6.85E-03	1.08E-06	4.24E-07
697	490236.72, 3860185.12	6.97E-03	1.10E-06	4.31E-07	7.11E-03	1.12E-06	4.40E-07	7.10E-03	1.12E-06	4.39E-07
698	490286.72, 3860185.12	7.23E-03	1.14E-06	4.47E-07	7.38E-03	1.16E-06	4.57E-07	7.37E-03	1.16E-06	4.56E-07
699	490336.72, 3860185.12	7.50E-03	1.18E-06	4.64E-07	7.66E-03	1.21E-06	4.74E-07	7.65E-03	1.20E-06	4.73E-07
700	490386.72, 3860185.12	7.79E-03	1.23E-06	4.82E-07	7.95E-03	1.25E-06	4.92E-07	7.94E-03	1.25E-06	4.92E-07
701	490436.72, 3860185.12	8.10E-03	1.28E-06	5.01E-07	8.27E-03	1.30E-06	5.12E-07	8.26E-03	1.30E-06	5.11E-07
702	490486.72, 3860185.12	8.42E-03	1.33E-06	5.21E-07	8.59E-03	1.35E-06	5.32E-07	8.58E-03	1.35E-06	5.31E-07
703	490536.72, 3860185.12	8.80E-03	1.39E-06	5.44E-07	8.98E-03	1.41E-06	5.55E-07	8.96E-03	1.41E-06	5.55E-07
704	490586.72, 3860185.12	9.24E-03	1.46E-06	5.72E-07	9.43E-03	1.49E-06	5.84E-07	9.42E-03	1.48E-06	5.83E-07
705	490636.72, 3860185.12	9.67E-03	1.52E-06	5.98E-07	9.87E-03	1.55E-06	6.11E-07	9.85E-03	1.55E-06	6.10E-07
706	490686.72, 3860185.12	1.02E-02	1.61E-06	6.31E-07	1.04E-02	1.64E-06	6.44E-07	1.04E-02	1.64E-06	6.43E-07
707	490736.72, 3860185.12	1.07E-02	1.69E-06	6.65E-07	1.10E-02	1.73E-06	6.78E-07	1.09E-02	1.72E-06	6.78E-07
708	490786.72, 3860185.12	1.15E-02	1.80E-06	7.09E-07	1.17E-02	1.84E-06	7.23E-07	1.17E-02	1.84E-06	7.22E-07
709	490836.72, 3860185.12	1.23E-02	1.93E-06	7.59E-07	1.25E-02	1.97E-06	7.75E-07	1.25E-02	1.97E-06	7.74E-07
710	490086.72, 3860235.12	5.71E-03	9.00E-07	3.53E-07	5.83E-03	9.18E-07	3.61E-07	5.82E-03	9.17E-07	3.60E-07
711	490136.72, 3860235.12	5.93E-03	9.34E-07	3.67E-07	6.05E-03	9.53E-07	3.74E-07	6.04E-03	9.52E-07	3.74E-07
712	490186.72, 3860235.12	6.15E-03	9.70E-07	3.81E-07	6.28E-03	9.89E-07	3.89E-07	6.27E-03	9.88E-07	3.88E-07
713	490236.72, 3860235.12	6.38E-03	1.00E-06	3.95E-07	6.51E-03	1.03E-06	4.03E-07	6.50E-03	1.02E-06	4.02E-07
714	490286.72, 3860235.12	6.60E-03	1.04E-06	4.09E-07	6.74E-03	1.06E-06	4.17E-07	6.73E-03	1.06E-06	4.17E-07
715	490336.72, 3860235.12	6.85E-03	1.08E-06	4.24E-07	6.98E-03	1.10E-06	4.32E-07	6.98E-03	1.10E-06	4.32E-07
716	490386.72, 3860235.12	7.10E-03	1.12E-06	4.39E-07	7.24E-03	1.14E-06	4.48E-07	7.23E-03	1.14E-06	4.48E-07
717	490436.72, 3860235.12	7.37E-03	1.16E-06	4.56E-07	7.52E-03	1.18E-06	4.65E-07	7.51E-03	1.18E-06	4.65E-07
718	490486.72, 3860235.12	7.64E-03	1.20E-06	4.73E-07	7.79E-03	1.23E-06	4.82E-07	7.79E-03	1.23E-06	4.82E-07
719	490536.72, 3860235.12	7.95E-03	1.25E-06	4.92E-07	8.12E-03	1.28E-06	5.02E-07	8.11E-03	1.28E-06	5.02E-07
720	490586.72, 3860235.12	8.31E-03	1.31E-06	5.14E-07	8.48E-03	1.34E-06	5.25E-07	8.47E-03	1.33E-06	5.24E-07
721	490636.72, 3860235.12	8.69E-03	1.37E-06	5.38E-07	8.87E-03	1.40E-06	5.49E-07	8.86E-03	1.40E-06	5.48E-07
722	490686.72, 3860235.12	9.12E-03	1.44E-06	5.64E-07	9.31E-03	1.47E-06	5.76E-07	9.30E-03	1.46E-06	5.75E-07
723	490736.72, 3860235.12	9.59E-03	1.51E-06	5.93E-07	9.78E-03	1.54E-06	6.05E-07	9.77E-03	1.54E-06	6.05E-07
724	490786.72, 3860235.12	1.01E-02	1.59E-06	6.26E-07	1.03E-02	1.63E-06	6.38E-07	1.03E-02	1.62E-06	6.38E-07
725	490086.72, 3860285.12	5.29E-03	8.33E-07	3.27E-07	5.39E-03	8.50E-07	3.34E-07	5.39E-03	8.49E-07	3.33E-07
726	490136.72, 3860285.12	5.48E-03	8.63E-07	3.39E-07	5.59E-03	8.80E-07	3.46E-07	5.58E-03	8.79E-07	3.45E-07
727	490186.72, 3860285.12	5.67E-03	8.93E-07	3.51E-07	5.78E-03	9.11E-07	3.58E-07	5.77E-03	9.10E-07	3.57E-07
728	490236.72, 3860285.12	5.87E-03	9.25E-07	3.63E-07	5.99E-03	9.44E-07	3.71E-07	5.98E-03	9.43E-07	3.70E-07
729	490286.72, 3860285.12	6.07E-03	9.56E-07	3.75E-07	6.19E-03	9.75E-07	3.83E-07	6.18E-03	9.74E-07	3.83E-07
730	490336.72, 3860285.12	6.27E-03	9.88E-07	3.88E-07	6.40E-03	1.01E-06	3.96E-07	6.39E-03	1.01E-06	3.96E-07
731	490386.72, 3860285.12	6.50E-03	1.02E-06	4.02E-07	6.63E-03	1.04E-06	4.10E-07	6.62E-03	1.04E-06	4.10E-07
732	490436.72, 3860285.12	6.73E-03	1.06E-06	4.16E-07	6.87E-03	1.08E-06	4.25E-07	6.86E-03	1.08E-06	4.24E-07
733	490486.72, 3860285.12	6.98E-03	1.10E-06	4.32E-07	7.12E-03	1.12E-06	4.41E-07	7.11E-03	1.12E-06	4.40E-07
734	490536.72, 3860285.12	7.23E-03	1.14E-06	4.48E-07	7.38E-03	1.16E-06	4.57E-07	7.37E-03	1.16E-06	4.56E-07
735	490586.72, 3860285.12	7.52E-03	1.18E-06	4.65E-07	7.67E-03	1.21E-06	4.75E-07	7.66E-03	1.21E-06	4.74E-07
736	490636.72, 3860285.12	7.85E-03	1.24E-06	4.86E-07	8.01E-03	1.26E-06	4.96E-07	8.00E-03	1.26E-06	4.95E-07
737	490686.72, 3860285.12	8.22E-03	1.29E-06	5.09E-07	8.39E-03	1.32E-06	5.19E-07	8.38E-03	1.32E-06	5.19E-07
738	490736.72, 3860285.12	8.62E-03	1.36E-06	5.33E-07	8.79E-03	1.39E-06	5.44E-07	8.78E-03	1.38E-06	5.44E-07
739	490786.72, 3860285.12	9.07E-03	1.43E-06	5.62E-07	9.26E-03	1.46E-06	5.73E-07	9.25E-03	1.46E-06	5.72E-07
740	490086.72, 3860335.12	4.91E-03	7.74E-07	3.04E-07	5.01E-03	7.89E-07	3.10E-07	5.01E-03	7.88E-07	3.10E-07
741	490136.72, 3860335.12	5.08E-03	8.01E-07	3.15E-07	5.19E-03	8.17E-07	3.21E-07	5.18E-03	8.16E-07	3.21E-07
742	490186.72, 3860335.12	5.25E-03	8.27E-07	3.25E-07	5.36E-03	8.44E-07	3.31E-07	5.35E-03	8.43E-07	3.31E-07
743	490236.72, 3860335.12	5.43E-03	8.56E-07	3.36E-07	5.54E-03	8.73E-07	3.43E-07	5.54E-03	8.72E-07	3.43E-07
744	490286.72, 3860335.12	5.60E-03	8.83E-07	3.47E-07	5.72E-03	9.01E-07	3.54E-07	5.71E-03	9.00E-07	3.54E-07
745	490336.72, 3860335.12	5.78E-03	9.11E-07	3.58E-07	5.90E-03	9.29E-07	3.65E-07	5.89E-03	9.28E-07	3.65E-07
746	490386.72, 3860335.12	5.98E-03	9.41E-07	3.70E-07	6.10E-03	9.61E-07	3.77E-07	6.09E-03	9.60E-07	3.77E-07
747	490436.72, 3860335.12	6.18E-03	9.74E-07	3.83E-07	6.31E-03	9.94E-07	3.90E-07	6.30E-03	9.93E-07	3.90E-07
748	490486.72, 3860335.12	6.40E-03	1.01E-06	3.96E-07	6.53E-03	1.03E-06	4.04E-07	6.52E-03	1.03E-06	4.04E-07
749	490536.72, 3860335.12	6.64E-03	1.05E-06	4.11E-07	6.78E-03	1.07E-06	4.19E-07	6.77E-03	1.07E-06	4.19E-07
750	490586.72, 3860335.12	6.88E-03	1.08E-06	4.26E-07	7.02E-03	1.11E-06	4.34E-07	7.01E-03	1.10E-06	4.34E-07
751	490636.72, 3860335.12	7.16E-03	1.13E-06	4.43E-07	7.30E-03	1.15E-06	4.52E-07	7.29E-03	1.15E-06	4.51E-07
752	490686.72, 3860335.12	7.46E-03	1.18E-06	4.62E-07	7.61E-03	1.20E-06	4.71E-07	7.61E-03	1.20E-06	4.71E-07

753	490736.72, 3860335.12	7.80E-03	1.23E-06	4.83E-07	7.96E-03	1.25E-06	4.93E-07	7.95E-03	1.25E-06	4.92E-07
754	490786.72, 3860335.12	8.22E-03	1.29E-06	5.08E-07	8.38E-03	1.32E-06	5.19E-07	8.37E-03	1.32E-06	5.18E-07
755	490086.72, 3860385.12	4.58E-03	7.22E-07	2.84E-07	4.68E-03	7.37E-07	2.89E-07	4.67E-03	7.36E-07	2.89E-07
756	490136.72, 3860385.12	4.74E-03	7.47E-07	2.93E-07	4.84E-03	7.62E-07	2.99E-07	4.83E-03	7.61E-07	2.99E-07
757	490186.72, 3860385.12	4.88E-03	7.69E-07	3.02E-07	4.98E-03	7.84E-07	3.08E-07	4.97E-03	7.83E-07	3.08E-07
758	490236.72, 3860385.12	5.04E-03	7.94E-07	3.12E-07	5.14E-03	8.10E-07	3.18E-07	5.13E-03	8.09E-07	3.18E-07
759	490286.72, 3860385.12	5.19E-03	8.18E-07	3.21E-07	5.30E-03	8.35E-07	3.28E-07	5.29E-03	8.34E-07	3.28E-07
760	490336.72, 3860385.12	5.36E-03	8.44E-07	3.31E-07	5.46E-03	8.61E-07	3.38E-07	5.46E-03	8.60E-07	3.38E-07
761	490386.72, 3860385.12	5.52E-03	8.70E-07	3.42E-07	5.64E-03	8.88E-07	3.49E-07	5.63E-03	8.87E-07	3.48E-07
762	490436.72, 3860385.12	5.71E-03	8.99E-07	3.53E-07	5.82E-03	9.17E-07	3.60E-07	5.81E-03	9.16E-07	3.60E-07
763	490486.72, 3860385.12	5.90E-03	9.30E-07	3.65E-07	6.03E-03	9.49E-07	3.73E-07	6.02E-03	9.48E-07	3.72E-07
764	490536.72, 3860385.12	6.11E-03	9.63E-07	3.78E-07	6.24E-03	9.82E-07	3.86E-07	6.23E-03	9.81E-07	3.86E-07
765	490586.72, 3860385.12	6.33E-03	9.98E-07	3.92E-07	6.46E-03	1.02E-06	4.00E-07	6.45E-03	1.02E-06	3.99E-07
766	490636.72, 3860385.12	6.56E-03	1.03E-06	4.06E-07	6.70E-03	1.05E-06	4.14E-07	6.69E-03	1.05E-06	4.14E-07
767	490686.72, 3860385.12	6.83E-03	1.08E-06	4.23E-07	6.97E-03	1.10E-06	4.31E-07	6.96E-03	1.10E-06	4.31E-07
768	490736.72, 3860385.12	7.11E-03	1.12E-06	4.40E-07	7.25E-03	1.14E-06	4.49E-07	7.24E-03	1.14E-06	4.48E-07
769	490786.72, 3860385.12	7.43E-03	1.17E-06	4.60E-07	7.58E-03	1.19E-06	4.69E-07	7.57E-03	1.19E-06	4.68E-07
770	490136.72, 3860435.12	4.42E-03	6.96E-07	2.74E-07	4.51E-03	7.11E-07	2.79E-07	4.51E-03	7.10E-07	2.79E-07
771	490186.72, 3860435.12	4.56E-03	7.18E-07	2.82E-07	4.65E-03	7.33E-07	2.88E-07	4.65E-03	7.32E-07	2.88E-07
772	490236.72, 3860435.12	4.69E-03	7.40E-07	2.91E-07	4.79E-03	7.55E-07	2.96E-07	4.78E-03	7.54E-07	2.96E-07
773	490286.72, 3860435.12	4.83E-03	7.61E-07	2.99E-07	4.93E-03	7.77E-07	3.05E-07	4.93E-03	7.76E-07	3.05E-07
774	490336.72, 3860435.12	4.97E-03	7.83E-07	3.08E-07	5.07E-03	7.99E-07	3.14E-07	5.07E-03	7.98E-07	3.14E-07
775	490386.72, 3860435.12	5.13E-03	8.07E-07	3.17E-07	5.23E-03	8.24E-07	3.24E-07	5.22E-03	8.23E-07	3.23E-07
776	490436.72, 3860435.12	5.29E-03	8.33E-07	3.27E-07	5.39E-03	8.50E-07	3.34E-07	5.39E-03	8.49E-07	3.33E-07
777	490486.72, 3860435.12	5.46E-03	8.60E-07	3.38E-07	5.57E-03	8.77E-07	3.45E-07	5.56E-03	8.76E-07	3.44E-07
778	490536.72, 3860435.12	5.64E-03	8.89E-07	3.49E-07	5.76E-03	9.07E-07	3.56E-07	5.75E-03	9.06E-07	3.56E-07
779	490586.72, 3860435.12	5.83E-03	9.19E-07	3.61E-07	5.95E-03	9.38E-07	3.68E-07	5.95E-03	9.37E-07	3.68E-07
780	490636.72, 3860435.12	6.03E-03	9.51E-07	3.73E-07	6.16E-03	9.70E-07	3.81E-07	6.15E-03	9.69E-07	3.81E-07
781	490686.72, 3860435.12	6.26E-03	9.87E-07	3.88E-07	6.39E-03	1.01E-06	3.95E-07	6.38E-03	1.01E-06	3.95E-07
782	490736.72, 3860435.12	6.52E-03	1.03E-06	4.04E-07	6.65E-03	1.05E-06	4.12E-07	6.65E-03	1.05E-06	4.11E-07
783	490786.72, 3860435.12	6.78E-03	1.07E-06	4.20E-07	6.92E-03	1.09E-06	4.28E-07	6.91E-03	1.09E-06	4.28E-07
784	490136.72, 3860485.12	4.16E-03	6.55E-07	2.57E-07	4.24E-03	6.68E-07	2.62E-07	4.24E-03	6.67E-07	2.62E-07
785	490186.72, 3860485.12	4.27E-03	6.73E-07	2.64E-07	4.36E-03	6.87E-07	2.70E-07	4.35E-03	6.86E-07	2.70E-07
786	490236.72, 3860485.12	4.39E-03	6.91E-07	2.72E-07	4.48E-03	7.05E-07	2.77E-07	4.47E-03	7.04E-07	2.77E-07
787	490286.72, 3860485.12	4.52E-03	7.11E-07	2.80E-07	4.61E-03	7.26E-07	2.85E-07	4.60E-03	7.25E-07	2.85E-07
788	490336.72, 3860485.12	4.64E-03	7.31E-07	2.87E-07	4.73E-03	7.46E-07	2.93E-07	4.73E-03	7.45E-07	2.93E-07
789	490386.72, 3860485.12	4.78E-03	7.53E-07	2.96E-07	4.88E-03	7.68E-07	3.02E-07	4.87E-03	7.67E-07	3.01E-07
790	490436.72, 3860485.12	4.93E-03	7.77E-07	3.05E-07	5.03E-03	7.93E-07	3.12E-07	5.03E-03	7.92E-07	3.11E-07
791	490486.72, 3860485.12	5.08E-03	8.00E-07	3.14E-07	5.18E-03	8.16E-07	3.21E-07	5.18E-03	8.15E-07	3.20E-07
792	490536.72, 3860485.12	5.23E-03	8.24E-07	3.24E-07	5.33E-03	8.40E-07	3.30E-07	5.33E-03	8.39E-07	3.30E-07
793	490586.72, 3860485.12	5.39E-03	8.49E-07	3.34E-07	5.50E-03	8.67E-07	3.40E-07	5.49E-03	8.66E-07	3.40E-07
794	490636.72, 3860485.12	5.58E-03	8.79E-07	3.45E-07	5.69E-03	8.97E-07	3.52E-07	5.69E-03	8.96E-07	3.52E-07
795	490686.72, 3860485.12	5.76E-03	9.08E-07	3.57E-07	5.88E-03	9.26E-07	3.64E-07	5.87E-03	9.25E-07	3.63E-07
796	490736.72, 3860485.12	5.98E-03	9.42E-07	3.70E-07	6.10E-03	9.61E-07	3.78E-07	6.10E-03	9.60E-07	3.77E-07
797	490786.72, 3860485.12	6.21E-03	9.79E-07	3.85E-07	6.34E-03	9.99E-07	3.92E-07	6.33E-03	9.98E-07	3.92E-07
798	490136.72, 3860535.12	3.91E-03	6.16E-07	2.42E-07	3.99E-03	6.29E-07	2.47E-07	3.99E-03	6.28E-07	2.47E-07
799	490186.72, 3860535.12	4.04E-03	6.36E-07	2.50E-07	4.12E-03	6.49E-07	2.55E-07	4.11E-03	6.48E-07	2.55E-07
800	490236.72, 3860535.12	4.12E-03	6.49E-07	2.55E-07	4.21E-03	6.62E-07	2.60E-07	4.20E-03	6.62E-07	2.60E-07
801	490286.72, 3860535.12	4.23E-03	6.66E-07	2.62E-07	4.31E-03	6.79E-07	2.67E-07	4.31E-03	6.78E-07	2.67E-07
802	490336.72, 3860535.12	4.34E-03	6.84E-07	2.69E-07	4.43E-03	6.98E-07	2.74E-07	4.43E-03	6.97E-07	2.74E-07
803	490386.72, 3860535.12	4.48E-03	7.05E-07	2.77E-07	4.57E-03	7.19E-07	2.83E-07	4.56E-03	7.19E-07	2.82E-07
804	490436.72, 3860535.12	4.61E-03	7.26E-07	2.85E-07	4.70E-03	7.41E-07	2.91E-07	4.70E-03	7.40E-07	2.91E-07
805	490486.72, 3860535.12	4.75E-03	7.48E-07	2.94E-07	4.84E-03	7.63E-07	3.00E-07	4.84E-03	7.62E-07	2.99E-07
806	490536.72, 3860535.12	4.92E-03	7.75E-07	3.05E-07	5.02E-03	7.91E-07	3.11E-07	5.02E-03	7.90E-07	3.10E-07
807	490586.72, 3860535.12	5.02E-03	7.91E-07	3.11E-07	5.12E-03	8.07E-07	3.17E-07	5.12E-03	8.06E-07	3.17E-07
808	490636.72, 3860535.12	5.17E-03	8.14E-07	3.20E-07	5.27E-03	8.31E-07	3.26E-07	5.27E-03	8.30E-07	3.26E-07
809	490686.72, 3860535.12	5.34E-03	8.41E-07	3.30E-07	5.45E-03	8.58E-07	3.37E-07	5.44E-03	8.57E-07	3.37E-07
810	490736.72, 3860535.12	5.51E-03	8.68E-07	3.41E-07	5.62E-03	8.86E-07	3.48E-07	5.62E-03	8.85E-07	3.48E-07
811	490786.72, 3860535.12	5.71E-03	9.00E-07	3.54E-07	5.83E-03	9.19E-07	3.61E-07	5.82E-03	9.18E-07	3.60E-07
812	490136.72, 3860585.12	3.71E-03	5.84E-07	2.29E-07	3.78E-03	5.96E-07	2.34E-07	3.78E-03	5.95E-07	2.34E-07
813	490186.72, 3860585.12	3.75E-03	5.91E-07	2.32E-07	3.83E-03	6.03E-07	2.37E-07	3.83E-03	6.03E-07	2.37E-07
814	490236.72, 3860585.12	3.86E-03	6.09E-07	2.39E-07	3.94E-03	6.21E-07	2.44E-07	3.94E-03	6.20E-07	2.44E-07
815	490286.72, 3860585.12	3.97E-03	6.26E-07	2.46E-07	4.05E-03	6.39E-07	2.51E-07	4.05E-03	6.38E-07	2.51E-07

816	490336.72, 3860585.12	4.08E-03	6.42E-07	2.52E-07	4.16E-03	6.55E-07	2.57E-07	4.15E-03	6.54E-07	2.57E-07
817	490386.72, 3860585.12	4.18E-03	6.59E-07	2.59E-07	4.27E-03	6.72E-07	2.64E-07	4.26E-03	6.71E-07	2.64E-07
818	490436.72, 3860585.12	4.33E-03	6.82E-07	2.68E-07	4.42E-03	6.96E-07	2.73E-07	4.41E-03	6.95E-07	2.73E-07
819	490486.72, 3860585.12	4.48E-03	7.05E-07	2.77E-07	4.57E-03	7.20E-07	2.83E-07	4.56E-03	7.19E-07	2.82E-07
820	490536.72, 3860585.12	4.59E-03	7.24E-07	2.84E-07	4.69E-03	7.38E-07	2.90E-07	4.68E-03	7.38E-07	2.90E-07
821	490586.72, 3860585.12	4.66E-03	7.34E-07	2.89E-07	4.76E-03	7.49E-07	2.94E-07	4.75E-03	7.49E-07	2.94E-07
822	490636.72, 3860585.12	4.80E-03	7.56E-07	2.97E-07	4.90E-03	7.72E-07	3.03E-07	4.89E-03	7.71E-07	3.03E-07
823	490686.72, 3860585.12	4.95E-03	7.79E-07	3.06E-07	5.05E-03	7.95E-07	3.12E-07	5.04E-03	7.94E-07	3.12E-07
824	490736.72, 3860585.12	5.10E-03	8.04E-07	3.16E-07	5.21E-03	8.20E-07	3.22E-07	5.20E-03	8.19E-07	3.22E-07
825	490786.72, 3860585.12	5.26E-03	8.29E-07	3.26E-07	5.37E-03	8.46E-07	3.32E-07	5.36E-03	8.45E-07	3.32E-07
826	490136.72, 3860635.12	3.53E-03	5.56E-07	2.19E-07	3.60E-03	5.68E-07	2.23E-07	3.60E-03	5.67E-07	2.23E-07
827	490186.72, 3860635.12	3.59E-03	5.66E-07	2.22E-07	3.66E-03	5.77E-07	2.27E-07	3.66E-03	5.77E-07	2.27E-07
828	490236.72, 3860635.12	3.65E-03	5.75E-07	2.26E-07	3.72E-03	5.86E-07	2.30E-07	3.72E-03	5.86E-07	2.30E-07
829	490286.72, 3860635.12	3.73E-03	5.88E-07	2.31E-07	3.81E-03	6.00E-07	2.36E-07	3.80E-03	5.99E-07	2.35E-07
830	490336.72, 3860635.12	3.83E-03	6.03E-07	2.37E-07	3.91E-03	6.16E-07	2.42E-07	3.90E-03	6.15E-07	2.42E-07
831	490386.72, 3860635.12	3.93E-03	6.19E-07	2.43E-07	4.01E-03	6.32E-07	2.48E-07	4.01E-03	6.31E-07	2.48E-07
832	490436.72, 3860635.12	4.03E-03	6.35E-07	2.49E-07	4.11E-03	6.48E-07	2.54E-07	4.11E-03	6.47E-07	2.54E-07
833	490486.72, 3860635.12	4.14E-03	6.52E-07	2.56E-07	4.22E-03	6.65E-07	2.61E-07	4.22E-03	6.64E-07	2.61E-07
834	490536.72, 3860635.12	4.27E-03	6.72E-07	2.64E-07	4.35E-03	6.86E-07	2.69E-07	4.35E-03	6.85E-07	2.69E-07
835	490586.72, 3860635.12	4.36E-03	6.87E-07	2.70E-07	4.45E-03	7.01E-07	2.75E-07	4.44E-03	7.00E-07	2.75E-07
836	490636.72, 3860635.12	4.48E-03	7.06E-07	2.78E-07	4.58E-03	7.21E-07	2.83E-07	4.57E-03	7.20E-07	2.83E-07
837	490686.72, 3860635.12	4.61E-03	7.26E-07	2.85E-07	4.70E-03	7.41E-07	2.91E-07	4.70E-03	7.40E-07	2.91E-07
838	490736.72, 3860635.12	4.73E-03	7.45E-07	2.93E-07	4.82E-03	7.60E-07	2.99E-07	4.82E-03	7.59E-07	2.98E-07
839	490786.72, 3860635.12	4.87E-03	7.67E-07	3.01E-07	4.97E-03	7.83E-07	3.08E-07	4.96E-03	7.82E-07	3.07E-07
840	490136.72, 3860685.12	3.33E-03	5.25E-07	2.06E-07	3.40E-03	5.36E-07	2.11E-07	3.40E-03	5.35E-07	2.10E-07
841	490186.72, 3860685.12	3.43E-03	5.41E-07	2.12E-07	3.50E-03	5.52E-07	2.17E-07	3.50E-03	5.51E-07	2.17E-07
842	490236.72, 3860685.12	3.48E-03	5.49E-07	2.15E-07	3.55E-03	5.60E-07	2.20E-07	3.55E-03	5.59E-07	2.20E-07
843	490286.72, 3860685.12	3.51E-03	5.53E-07	2.17E-07	3.58E-03	5.65E-07	2.22E-07	3.58E-03	5.64E-07	2.22E-07
844	490336.72, 3860685.12	3.61E-03	5.69E-07	2.23E-07	3.68E-03	5.80E-07	2.28E-07	3.68E-03	5.80E-07	2.28E-07
845	490386.72, 3860685.12	3.70E-03	5.83E-07	2.29E-07	3.77E-03	5.95E-07	2.34E-07	3.77E-03	5.94E-07	2.33E-07
846	490436.72, 3860685.12	3.78E-03	5.95E-07	2.34E-07	3.86E-03	6.07E-07	2.39E-07	3.85E-03	6.07E-07	2.38E-07
847	490486.72, 3860685.12	3.86E-03	6.08E-07	2.39E-07	3.94E-03	6.21E-07	2.44E-07	3.94E-03	6.20E-07	2.44E-07
848	490536.72, 3860685.12	3.96E-03	6.24E-07	2.45E-07	4.04E-03	6.37E-07	2.50E-07	4.04E-03	6.36E-07	2.50E-07
849	490586.72, 3860685.12	4.07E-03	6.41E-07	2.52E-07	4.15E-03	6.54E-07	2.57E-07	4.15E-03	6.53E-07	2.57E-07
850	490636.72, 3860685.12	4.18E-03	6.59E-07	2.59E-07	4.27E-03	6.73E-07	2.64E-07	4.26E-03	6.72E-07	2.64E-07
851	490686.72, 3860685.12	4.31E-03	6.78E-07	2.67E-07	4.39E-03	6.92E-07	2.72E-07	4.39E-03	6.92E-07	2.72E-07
852	490736.72, 3860685.12	4.42E-03	6.96E-07	2.73E-07	4.51E-03	7.10E-07	2.79E-07	4.50E-03	7.09E-07	2.79E-07
853	490786.72, 3860685.12	4.56E-03	7.18E-07	2.82E-07	4.65E-03	7.33E-07	2.88E-07	4.65E-03	7.32E-07	2.87E-07
854	490136.72, 3860735.12	3.12E-03	4.92E-07	1.93E-07	3.19E-03	5.02E-07	1.97E-07	3.18E-03	5.01E-07	1.97E-07
855	490186.72, 3860735.12	3.18E-03	5.01E-07	1.97E-07	3.24E-03	5.11E-07	2.01E-07	3.24E-03	5.10E-07	2.01E-07
856	490236.72, 3860735.12	3.25E-03	5.11E-07	2.01E-07	3.31E-03	5.22E-07	2.05E-07	3.31E-03	5.21E-07	2.05E-07
857	490286.72, 3860735.12	3.32E-03	5.23E-07	2.05E-07	3.39E-03	5.34E-07	2.10E-07	3.38E-03	5.33E-07	2.09E-07
858	490336.72, 3860735.12	3.39E-03	5.35E-07	2.10E-07	3.46E-03	5.46E-07	2.14E-07	3.46E-03	5.45E-07	2.14E-07
859	490386.72, 3860735.12	3.48E-03	5.48E-07	2.15E-07	3.55E-03	5.59E-07	2.20E-07	3.55E-03	5.59E-07	2.20E-07
860	490436.72, 3860735.12	3.59E-03	5.65E-07	2.22E-07	3.66E-03	5.77E-07	2.26E-07	3.66E-03	5.76E-07	2.26E-07
861	490486.72, 3860735.12	3.65E-03	5.76E-07	2.26E-07	3.73E-03	5.87E-07	2.31E-07	3.72E-03	5.87E-07	2.30E-07
862	490536.72, 3860735.12	3.71E-03	5.84E-07	2.29E-07	3.78E-03	5.96E-07	2.34E-07	3.78E-03	5.95E-07	2.34E-07
863	490586.72, 3860735.12	3.79E-03	5.97E-07	2.35E-07	3.87E-03	6.10E-07	2.40E-07	3.87E-03	6.09E-07	2.39E-07
864	490636.72, 3860735.12	3.89E-03	6.12E-07	2.41E-07	3.97E-03	6.25E-07	2.46E-07	3.96E-03	6.24E-07	2.45E-07
865	490686.72, 3860735.12	4.01E-03	6.31E-07	2.48E-07	4.09E-03	6.44E-07	2.53E-07	4.08E-03	6.43E-07	2.53E-07
866	490736.72, 3860735.12	4.13E-03	6.50E-07	2.55E-07	4.21E-03	6.63E-07	2.61E-07	4.21E-03	6.63E-07	2.60E-07
867	490136.72, 3860785.12	2.94E-03	4.63E-07	1.82E-07	3.00E-03	4.72E-07	1.86E-07	2.99E-03	4.72E-07	1.85E-07
868	490186.72, 3860785.12	3.00E-03	4.73E-07	1.86E-07	3.06E-03	4.82E-07	1.89E-07	3.06E-03	4.82E-07	1.89E-07
869	490236.72, 3860785.12	3.06E-03	4.82E-07	1.89E-07	3.12E-03	4.92E-07	1.93E-07	3.12E-03	4.92E-07	1.93E-07
870	490286.72, 3860785.12	3.13E-03	4.93E-07	1.93E-07	3.19E-03	5.03E-07	1.97E-07	3.19E-03	5.02E-07	1.97E-07
871	490336.72, 3860785.12	3.19E-03	5.03E-07	1.98E-07	3.26E-03	5.13E-07	2.02E-07	3.25E-03	5.12E-07	2.01E-07
872	490386.72, 3860785.12	3.28E-03	5.16E-07	2.03E-07	3.34E-03	5.27E-07	2.07E-07	3.34E-03	5.26E-07	2.07E-07
873	490436.72, 3860785.12	3.35E-03	5.28E-07	2.07E-07	3.42E-03	5.38E-07	2.11E-07	3.41E-03	5.38E-07	2.11E-07
874	490486.72, 3860785.12	3.44E-03	5.42E-07	2.13E-07	3.51E-03	5.53E-07	2.17E-07	3.50E-03	5.52E-07	2.17E-07
875	490536.72, 3860785.12	3.50E-03	5.52E-07	2.17E-07	3.57E-03	5.63E-07	2.21E-07	3.57E-03	5.62E-07	2.21E-07
876	490586.72, 3860785.12	3.55E-03	5.59E-07	2.20E-07	3.62E-03	5.71E-07	2.24E-07	3.62E-03	5.70E-07	2.24E-07
877	490636.72, 3860785.12	3.63E-03	5.71E-07	2.24E-07	3.70E-03	5.83E-07	2.29E-07	3.70E-03	5.82E-07	2.29E-07
878	490686.72, 3860785.12	3.72E-03	5.86E-07	2.30E-07	3.80E-03	5.98E-07	2.35E-07	3.79E-03	5.97E-07	2.35E-07

879	490736.72, 3860785.12	3.83E-03	6.03E-07	2.37E-07	3.91E-03	6.16E-07	2.42E-07	3.90E-03	6.15E-07	2.42E-07
880	490086.72, 3860835.12	2.73E-03	4.30E-07	1.69E-07	2.79E-03	4.39E-07	1.73E-07	2.78E-03	4.39E-07	1.72E-07
881	490136.72, 3860835.12	2.79E-03	4.40E-07	1.73E-07	2.85E-03	4.49E-07	1.76E-07	2.85E-03	4.49E-07	1.76E-07
882	490186.72, 3860835.12	2.84E-03	4.48E-07	1.76E-07	2.90E-03	4.57E-07	1.80E-07	2.90E-03	4.56E-07	1.79E-07
883	490236.72, 3860835.12	2.90E-03	4.56E-07	1.79E-07	2.95E-03	4.65E-07	1.83E-07	2.95E-03	4.65E-07	1.83E-07
884	490286.72, 3860835.12	2.96E-03	4.66E-07	1.83E-07	3.02E-03	4.75E-07	1.87E-07	3.01E-03	4.75E-07	1.87E-07
885	490336.72, 3860835.12	3.01E-03	4.75E-07	1.86E-07	3.07E-03	4.84E-07	1.90E-07	3.07E-03	4.84E-07	1.90E-07
886	490386.72, 3860835.12	3.07E-03	4.84E-07	1.90E-07	3.14E-03	4.94E-07	1.94E-07	3.13E-03	4.93E-07	1.94E-07
887	490436.72, 3860835.12	3.15E-03	4.96E-07	1.95E-07	3.21E-03	5.06E-07	1.99E-07	3.21E-03	5.05E-07	1.99E-07
888	490486.72, 3860835.12	3.22E-03	5.07E-07	1.99E-07	3.29E-03	5.18E-07	2.03E-07	3.28E-03	5.17E-07	2.03E-07
889	490536.72, 3860835.12	3.29E-03	5.18E-07	2.03E-07	3.35E-03	5.28E-07	2.07E-07	3.35E-03	5.28E-07	2.07E-07
890	490586.72, 3860835.12	3.34E-03	5.27E-07	2.07E-07	3.41E-03	5.37E-07	2.11E-07	3.41E-03	5.37E-07	2.11E-07
891	490636.72, 3860835.12	3.40E-03	5.36E-07	2.11E-07	3.47E-03	5.47E-07	2.15E-07	3.47E-03	5.46E-07	2.15E-07
892	490686.72, 3860835.12	3.48E-03	5.48E-07	2.15E-07	3.55E-03	5.59E-07	2.20E-07	3.55E-03	5.59E-07	2.20E-07
893	490736.72, 3860835.12	3.57E-03	5.63E-07	2.21E-07	3.65E-03	5.75E-07	2.26E-07	3.64E-03	5.74E-07	2.25E-07
894	490086.72, 3860885.12	2.61E-03	4.11E-07	1.61E-07	2.66E-03	4.19E-07	1.65E-07	2.66E-03	4.18E-07	1.64E-07
895	490136.72, 3860885.12	2.65E-03	4.18E-07	1.64E-07	2.71E-03	4.27E-07	1.68E-07	2.71E-03	4.26E-07	1.67E-07
896	490186.72, 3860885.12	2.70E-03	4.25E-07	1.67E-07	2.76E-03	4.34E-07	1.71E-07	2.75E-03	4.34E-07	1.70E-07
897	490236.72, 3860885.12	2.75E-03	4.33E-07	1.70E-07	2.81E-03	4.42E-07	1.74E-07	2.80E-03	4.42E-07	1.73E-07
898	490286.72, 3860885.12	2.80E-03	4.41E-07	1.73E-07	2.86E-03	4.50E-07	1.77E-07	2.85E-03	4.50E-07	1.77E-07
899	490336.72, 3860885.12	2.85E-03	4.49E-07	1.76E-07	2.91E-03	4.58E-07	1.80E-07	2.90E-03	4.57E-07	1.80E-07
900	490386.72, 3860885.12	2.91E-03	4.58E-07	1.80E-07	2.97E-03	4.67E-07	1.84E-07	2.96E-03	4.67E-07	1.83E-07
901	490436.72, 3860885.12	2.97E-03	4.68E-07	1.84E-07	3.03E-03	4.78E-07	1.88E-07	3.03E-03	4.77E-07	1.87E-07
902	490486.72, 3860885.12	3.03E-03	4.78E-07	1.88E-07	3.09E-03	4.88E-07	1.92E-07	3.09E-03	4.87E-07	1.91E-07
903	490536.72, 3860885.12	3.09E-03	4.87E-07	1.91E-07	3.15E-03	4.97E-07	1.95E-07	3.15E-03	4.96E-07	1.95E-07
904	490586.72, 3860885.12	3.14E-03	4.95E-07	1.95E-07	3.21E-03	5.06E-07	1.99E-07	3.21E-03	5.05E-07	1.98E-07
905	490636.72, 3860885.12	3.20E-03	5.04E-07	1.98E-07	3.26E-03	5.14E-07	2.02E-07	3.26E-03	5.13E-07	2.02E-07
906	490686.72, 3860885.12	3.26E-03	5.13E-07	2.02E-07	3.33E-03	5.24E-07	2.06E-07	3.32E-03	5.23E-07	2.06E-07
907	490736.72, 3860885.12	3.33E-03	5.24E-07	2.06E-07	3.39E-03	5.35E-07	2.10E-07	3.39E-03	5.34E-07	2.10E-07
908	490086.72, 3860935.12	2.48E-03	3.91E-07	1.53E-07	2.53E-03	3.99E-07	1.57E-07	2.53E-03	3.98E-07	1.56E-07
909	490136.72, 3860935.12	2.51E-03	3.96E-07	1.56E-07	2.57E-03	4.04E-07	1.59E-07	2.56E-03	4.04E-07	1.59E-07
910	490186.72, 3860935.12	2.56E-03	4.04E-07	1.59E-07	2.62E-03	4.12E-07	1.62E-07	2.61E-03	4.12E-07	1.62E-07
911	490236.72, 3860935.12	2.61E-03	4.11E-07	1.62E-07	2.66E-03	4.20E-07	1.65E-07	2.66E-03	4.19E-07	1.65E-07
912	490286.72, 3860935.12	2.66E-03	4.19E-07	1.65E-07	2.71E-03	4.28E-07	1.68E-07	2.71E-03	4.27E-07	1.68E-07
913	490336.72, 3860935.12	2.70E-03	4.26E-07	1.67E-07	2.76E-03	4.34E-07	1.71E-07	2.75E-03	4.34E-07	1.70E-07
914	490386.72, 3860935.12	2.76E-03	4.34E-07	1.71E-07	2.81E-03	4.43E-07	1.74E-07	2.81E-03	4.43E-07	1.74E-07
915	490436.72, 3860935.12	2.81E-03	4.43E-07	1.74E-07	2.87E-03	4.52E-07	1.78E-07	2.87E-03	4.52E-07	1.77E-07
916	490486.72, 3860935.12	2.86E-03	4.51E-07	1.77E-07	2.92E-03	4.60E-07	1.81E-07	2.92E-03	4.60E-07	1.81E-07
917	490536.72, 3860935.12	2.92E-03	4.59E-07	1.80E-07	2.98E-03	4.69E-07	1.84E-07	2.97E-03	4.68E-07	1.84E-07
918	490586.72, 3860935.12	2.96E-03	4.67E-07	1.83E-07	3.02E-03	4.76E-07	1.87E-07	3.02E-03	4.76E-07	1.87E-07
919	490636.72, 3860935.12	3.01E-03	4.74E-07	1.86E-07	3.07E-03	4.84E-07	1.90E-07	3.07E-03	4.83E-07	1.90E-07
920	490686.72, 3860935.12	3.06E-03	4.82E-07	1.89E-07	3.12E-03	4.92E-07	1.93E-07	3.12E-03	4.92E-07	1.93E-07
921	490736.72, 3860935.12	3.11E-03	4.91E-07	1.93E-07	3.18E-03	5.01E-07	1.97E-07	3.17E-03	5.00E-07	1.96E-07
922	490786.72, 3860935.12	3.17E-03	5.00E-07	1.96E-07	3.24E-03	5.10E-07	2.00E-07	3.23E-03	5.09E-07	2.00E-07
923	490836.72, 3860935.12	3.24E-03	5.11E-07	2.01E-07	3.31E-03	5.21E-07	2.05E-07	3.30E-03	5.21E-07	2.04E-07
924	490086.72, 3860985.12	2.37E-03	3.73E-07	1.47E-07	2.42E-03	3.81E-07	1.50E-07	2.41E-03	3.80E-07	1.49E-07
925	490136.72, 3860985.12	2.41E-03	3.79E-07	1.49E-07	2.45E-03	3.87E-07	1.52E-07	2.45E-03	3.86E-07	1.52E-07
926	490186.72, 3860985.12	2.45E-03	3.86E-07	1.52E-07	2.50E-03	3.94E-07	1.55E-07	2.50E-03	3.93E-07	1.54E-07
927	490236.72, 3860985.12	2.48E-03	3.91E-07	1.54E-07	2.53E-03	3.99E-07	1.57E-07	2.53E-03	3.99E-07	1.57E-07
928	490286.72, 3860985.12	2.52E-03	3.97E-07	1.56E-07	2.57E-03	4.06E-07	1.59E-07	2.57E-03	4.05E-07	1.59E-07
929	490336.72, 3860985.12	2.57E-03	4.04E-07	1.59E-07	2.62E-03	4.12E-07	1.62E-07	2.61E-03	4.12E-07	1.62E-07
930	490386.72, 3860985.12	2.61E-03	4.11E-07	1.62E-07	2.66E-03	4.20E-07	1.65E-07	2.66E-03	4.19E-07	1.65E-07
931	490436.72, 3860985.12	2.67E-03	4.20E-07	1.65E-07	2.72E-03	4.29E-07	1.68E-07	2.72E-03	4.28E-07	1.68E-07
932	490486.72, 3860985.12	2.71E-03	4.27E-07	1.68E-07	2.76E-03	4.35E-07	1.71E-07	2.76E-03	4.35E-07	1.71E-07
933	490536.72, 3860985.12	2.75E-03	4.33E-07	1.70E-07	2.81E-03	4.42E-07	1.74E-07	2.80E-03	4.41E-07	1.73E-07
934	490586.72, 3860985.12	2.79E-03	4.40E-07	1.73E-07	2.85E-03	4.49E-07	1.76E-07	2.84E-03	4.48E-07	1.76E-07
935	490636.72, 3860985.12	2.84E-03	4.47E-07	1.76E-07	2.90E-03	4.56E-07	1.79E-07	2.89E-03	4.56E-07	1.79E-07
936	490686.72, 3860985.12	2.88E-03	4.53E-07	1.78E-07	2.94E-03	4.63E-07	1.82E-07	2.93E-03	4.62E-07	1.82E-07
937	490736.72, 3860985.12	2.92E-03	4.60E-07	1.81E-07	2.98E-03	4.69E-07	1.84E-07	2.97E-03	4.69E-07	1.84E-07
938	490786.72, 3860985.12	2.97E-03	4.67E-07	1.84E-07	3.03E-03	4.77E-07	1.87E-07	3.02E-03	4.76E-07	1.87E-07
939	490836.72, 3860985.12	3.02E-03	4.76E-07	1.87E-07	3.08E-03	4.86E-07	1.91E-07	3.08E-03	4.85E-07	1.91E-07
940	490086.72, 3861035.12	2.26E-03	3.56E-07	1.40E-07	2.31E-03	3.64E-07	1.43E-07	2.31E-03	3.63E-07	1.43E-07
941	490136.72, 3861035.12	2.30E-03	3.62E-07	1.42E-07	2.34E-03	3.69E-07	1.45E-07	2.34E-03	3.69E-07	1.45E-07

942	490186.72, 3861035.12	2.33E-03	3.67E-07	1.44E-07	2.38E-03	3.75E-07	1.47E-07	2.38E-03	3.74E-07	1.47E-07
943	490236.72, 3861035.12	2.37E-03	3.73E-07	1.47E-07	2.42E-03	3.81E-07	1.50E-07	2.41E-03	3.80E-07	1.49E-07
944	490286.72, 3861035.12	2.40E-03	3.78E-07	1.49E-07	2.45E-03	3.86E-07	1.52E-07	2.45E-03	3.85E-07	1.51E-07
945	490336.72, 3861035.12	2.43E-03	3.84E-07	1.51E-07	2.48E-03	3.91E-07	1.54E-07	2.48E-03	3.91E-07	1.54E-07
946	490386.72, 3861035.12	2.48E-03	3.91E-07	1.54E-07	2.53E-03	3.99E-07	1.57E-07	2.53E-03	3.98E-07	1.56E-07
947	490436.72, 3861035.12	2.53E-03	3.98E-07	1.56E-07	2.58E-03	4.06E-07	1.60E-07	2.58E-03	4.06E-07	1.59E-07
948	490486.72, 3861035.12	2.57E-03	4.04E-07	1.59E-07	2.62E-03	4.13E-07	1.62E-07	2.62E-03	4.12E-07	1.62E-07
949	490536.72, 3861035.12	2.60E-03	4.10E-07	1.61E-07	2.66E-03	4.18E-07	1.64E-07	2.65E-03	4.18E-07	1.64E-07
950	490586.72, 3861035.12	2.64E-03	4.16E-07	1.63E-07	2.69E-03	4.24E-07	1.67E-07	2.69E-03	4.23E-07	1.66E-07
951	490636.72, 3861035.12	2.67E-03	4.21E-07	1.65E-07	2.73E-03	4.29E-07	1.69E-07	2.72E-03	4.29E-07	1.69E-07
952	490686.72, 3861035.12	2.71E-03	4.26E-07	1.67E-07	2.76E-03	4.35E-07	1.71E-07	2.76E-03	4.34E-07	1.71E-07
953	490736.72, 3861035.12	2.74E-03	4.32E-07	1.70E-07	2.80E-03	4.40E-07	1.73E-07	2.79E-03	4.40E-07	1.73E-07
954	490786.72, 3861035.12	2.78E-03	4.38E-07	1.72E-07	2.84E-03	4.47E-07	1.76E-07	2.83E-03	4.46E-07	1.75E-07
955	490836.72, 3861035.12	2.82E-03	4.45E-07	1.75E-07	2.88E-03	4.54E-07	1.78E-07	2.88E-03	4.53E-07	1.78E-07
956	490086.72, 3861085.12	2.16E-03	3.41E-07	1.34E-07	2.21E-03	3.48E-07	1.37E-07	2.20E-03	3.47E-07	1.36E-07
957	490136.72, 3861085.12	2.20E-03	3.47E-07	1.36E-07	2.24E-03	3.54E-07	1.39E-07	2.24E-03	3.53E-07	1.39E-07
958	490186.72, 3861085.12	2.24E-03	3.53E-07	1.39E-07	2.28E-03	3.60E-07	1.41E-07	2.28E-03	3.59E-07	1.41E-07
959	490236.72, 3861085.12	2.26E-03	3.57E-07	1.40E-07	2.31E-03	3.64E-07	1.43E-07	2.31E-03	3.64E-07	1.43E-07
960	490286.72, 3861085.12	2.29E-03	3.61E-07	1.42E-07	2.34E-03	3.68E-07	1.45E-07	2.34E-03	3.68E-07	1.45E-07
961	490336.72, 3861085.12	2.32E-03	3.66E-07	1.44E-07	2.37E-03	3.73E-07	1.47E-07	2.37E-03	3.73E-07	1.46E-07
962	490386.72, 3861085.12	2.36E-03	3.72E-07	1.46E-07	2.41E-03	3.79E-07	1.49E-07	2.41E-03	3.79E-07	1.49E-07
963	490436.72, 3861085.12	2.39E-03	3.77E-07	1.48E-07	2.44E-03	3.85E-07	1.51E-07	2.44E-03	3.85E-07	1.51E-07
964	490486.72, 3861085.12	2.43E-03	3.83E-07	1.50E-07	2.48E-03	3.90E-07	1.53E-07	2.48E-03	3.90E-07	1.53E-07
965	490536.72, 3861085.12	2.47E-03	3.89E-07	1.53E-07	2.52E-03	3.97E-07	1.56E-07	2.51E-03	3.96E-07	1.56E-07
966	490586.72, 3861085.12	2.50E-03	3.93E-07	1.54E-07	2.55E-03	4.01E-07	1.58E-07	2.54E-03	4.01E-07	1.57E-07
967	490636.72, 3861085.12	2.52E-03	3.97E-07	1.56E-07	2.57E-03	4.05E-07	1.59E-07	2.57E-03	4.04E-07	1.59E-07
968	490686.72, 3861085.12	2.55E-03	4.01E-07	1.58E-07	2.60E-03	4.09E-07	1.61E-07	2.59E-03	4.09E-07	1.61E-07
969	490736.72, 3861085.12	2.58E-03	4.06E-07	1.59E-07	2.63E-03	4.14E-07	1.63E-07	2.63E-03	4.14E-07	1.63E-07
970	490786.72, 3861085.12	2.61E-03	4.11E-07	1.62E-07	2.66E-03	4.19E-07	1.65E-07	2.66E-03	4.19E-07	1.65E-07
971	490836.72, 3861085.12	2.64E-03	4.16E-07	1.64E-07	2.70E-03	4.25E-07	1.67E-07	2.69E-03	4.24E-07	1.67E-07
972	490086.72, 3861135.12	2.07E-03	3.26E-07	1.28E-07	2.11E-03	3.33E-07	1.31E-07	2.11E-03	3.32E-07	1.31E-07
973	490136.72, 3861135.12	2.10E-03	3.31E-07	1.30E-07	2.14E-03	3.38E-07	1.33E-07	2.14E-03	3.37E-07	1.32E-07
974	490186.72, 3861135.12	2.13E-03	3.36E-07	1.32E-07	2.18E-03	3.43E-07	1.35E-07	2.17E-03	3.42E-07	1.35E-07
975	490236.72, 3861135.12	2.16E-03	3.41E-07	1.34E-07	2.21E-03	3.48E-07	1.37E-07	2.20E-03	3.47E-07	1.36E-07
976	490286.72, 3861135.12	2.19E-03	3.45E-07	1.36E-07	2.24E-03	3.52E-07	1.38E-07	2.23E-03	3.52E-07	1.38E-07
977	490336.72, 3861135.12	2.22E-03	3.49E-07	1.37E-07	2.26E-03	3.56E-07	1.40E-07	2.26E-03	3.56E-07	1.40E-07
978	490386.72, 3861135.12	2.25E-03	3.54E-07	1.39E-07	2.29E-03	3.61E-07	1.42E-07	2.29E-03	3.61E-07	1.42E-07
979	490436.72, 3861135.12	2.27E-03	3.58E-07	1.41E-07	2.32E-03	3.66E-07	1.44E-07	2.32E-03	3.65E-07	1.43E-07
980	490486.72, 3861135.12	2.30E-03	3.63E-07	1.43E-07	2.35E-03	3.70E-07	1.46E-07	2.35E-03	3.70E-07	1.45E-07
981	490536.72, 3861135.12	2.33E-03	3.68E-07	1.44E-07	2.38E-03	3.75E-07	1.47E-07	2.38E-03	3.75E-07	1.47E-07
982	490586.72, 3861135.12	2.36E-03	3.72E-07	1.46E-07	2.41E-03	3.79E-07	1.49E-07	2.40E-03	3.79E-07	1.49E-07
983	490636.72, 3861135.12	2.38E-03	3.75E-07	1.47E-07	2.43E-03	3.82E-07	1.50E-07	2.42E-03	3.82E-07	1.50E-07
984	490686.72, 3861135.12	2.40E-03	3.79E-07	1.49E-07	2.45E-03	3.87E-07	1.52E-07	2.45E-03	3.86E-07	1.52E-07
985	490736.72, 3861135.12	2.43E-03	3.83E-07	1.51E-07	2.48E-03	3.91E-07	1.54E-07	2.48E-03	3.91E-07	1.53E-07
986	490786.72, 3861135.12	2.46E-03	3.88E-07	1.52E-07	2.51E-03	3.95E-07	1.55E-07	2.51E-03	3.95E-07	1.55E-07
987	490836.72, 3861135.12	2.49E-03	3.92E-07	1.54E-07	2.54E-03	4.00E-07	1.57E-07	2.53E-03	3.99E-07	1.57E-07
988	490086.72, 3861185.12	1.98E-03	3.12E-07	1.23E-07	2.02E-03	3.18E-07	1.25E-07	2.02E-03	3.18E-07	1.25E-07
989	490136.72, 3861185.12	2.00E-03	3.15E-07	1.24E-07	2.04E-03	3.22E-07	1.26E-07	2.04E-03	3.21E-07	1.26E-07
990	490186.72, 3861185.12	2.03E-03	3.20E-07	1.26E-07	2.07E-03	3.26E-07	1.28E-07	2.07E-03	3.26E-07	1.28E-07
991	490236.72, 3861185.12	2.06E-03	3.24E-07	1.27E-07	2.10E-03	3.31E-07	1.30E-07	2.10E-03	3.30E-07	1.30E-07
992	490286.72, 3861185.12	2.09E-03	3.29E-07	1.29E-07	2.13E-03	3.36E-07	1.32E-07	2.13E-03	3.35E-07	1.32E-07
993	490336.72, 3861185.12	2.10E-03	3.31E-07	1.30E-07	2.15E-03	3.38E-07	1.33E-07	2.14E-03	3.38E-07	1.33E-07
994	490386.72, 3861185.12	2.13E-03	3.36E-07	1.32E-07	2.17E-03	3.42E-07	1.35E-07	2.17E-03	3.42E-07	1.34E-07
995	490436.72, 3861185.12	2.16E-03	3.40E-07	1.34E-07	2.20E-03	3.47E-07	1.36E-07	2.20E-03	3.47E-07	1.36E-07
996	490486.72, 3861185.12	2.18E-03	3.44E-07	1.35E-07	2.23E-03	3.51E-07	1.38E-07	2.23E-03	3.51E-07	1.38E-07
997	490536.72, 3861185.12	2.22E-03	3.50E-07	1.37E-07	2.26E-03	3.57E-07	1.40E-07	2.26E-03	3.56E-07	1.40E-07
998	490586.72, 3861185.12	2.24E-03	3.53E-07	1.39E-07	2.28E-03	3.60E-07	1.41E-07	2.28E-03	3.59E-07	1.41E-07
999	490636.72, 3861185.12	2.25E-03	3.54E-07	1.39E-07	2.30E-03	3.62E-07	1.42E-07	2.29E-03	3.61E-07	1.42E-07
1000	490686.72, 3861185.12	2.27E-03	3.58E-07	1.41E-07	2.32E-03	3.65E-07	1.43E-07	2.32E-03	3.65E-07	1.43E-07
1001	490736.72, 3861185.12	2.30E-03	3.63E-07	1.42E-07	2.35E-03	3.70E-07	1.45E-07	2.35E-03	3.70E-07	1.45E-07
1002	490786.72, 3861185.12	2.33E-03	3.67E-07	1.44E-07	2.38E-03	3.74E-07	1.47E-07	2.37E-03	3.74E-07	1.47E-07
1003	490836.72, 3861185.12	2.35E-03	3.71E-07	1.46E-07	2.40E-03	3.78E-07	1.49E-07	2.40E-03	3.78E-07	1.48E-07
1004	490086.72, 3861235.12	1.90E-03	2.99E-07	1.17E-07	1.94E-03	3.05E-07	1.20E-07	1.93E-03	3.04E-07	1.20E-07

1005	490136.72, 3861235.12	1.92E-03	3.02E-07	1.19E-07	1.96E-03	3.08E-07	1.21E-07	1.95E-03	3.08E-07	1.21E-07
1006	490186.72, 3861235.12	1.94E-03	3.06E-07	1.20E-07	1.98E-03	3.12E-07	1.23E-07	1.98E-03	3.11E-07	1.22E-07
1007	490236.72, 3861235.12	1.96E-03	3.09E-07	1.21E-07	2.00E-03	3.15E-07	1.24E-07	2.00E-03	3.14E-07	1.24E-07
1008	490386.72, 3861235.12	2.02E-03	3.19E-07	1.25E-07	2.06E-03	3.25E-07	1.28E-07	2.06E-03	3.25E-07	1.28E-07
1009	490436.72, 3861235.12	2.04E-03	3.22E-07	1.26E-07	2.08E-03	3.28E-07	1.29E-07	2.08E-03	3.28E-07	1.29E-07
1010	490486.72, 3861235.12	2.06E-03	3.25E-07	1.28E-07	2.11E-03	3.32E-07	1.30E-07	2.10E-03	3.31E-07	1.30E-07
1011	490536.72, 3861235.12	2.10E-03	3.31E-07	1.30E-07	2.14E-03	3.38E-07	1.33E-07	2.14E-03	3.37E-07	1.33E-07
1012	490586.72, 3861235.12	2.13E-03	3.36E-07	1.32E-07	2.18E-03	3.43E-07	1.35E-07	2.17E-03	3.42E-07	1.34E-07
1013	490636.72, 3861235.12	2.13E-03	3.36E-07	1.32E-07	2.18E-03	3.43E-07	1.35E-07	2.17E-03	3.42E-07	1.35E-07
1014	490686.72, 3861235.12	2.15E-03	3.39E-07	1.33E-07	2.20E-03	3.46E-07	1.36E-07	2.20E-03	3.46E-07	1.36E-07
1015	490736.72, 3861235.12	2.18E-03	3.44E-07	1.35E-07	2.23E-03	3.51E-07	1.38E-07	2.22E-03	3.50E-07	1.38E-07
1016	490786.72, 3861235.12	2.21E-03	3.48E-07	1.37E-07	2.26E-03	3.55E-07	1.40E-07	2.25E-03	3.55E-07	1.39E-07
1017	490836.72, 3861235.12	2.23E-03	3.52E-07	1.38E-07	2.28E-03	3.59E-07	1.41E-07	2.28E-03	3.59E-07	1.41E-07
1018	490086.72, 3861285.12	1.82E-03	2.87E-07	1.13E-07	1.86E-03	2.93E-07	1.15E-07	1.86E-03	2.93E-07	1.15E-07
1019	490136.72, 3861285.12	1.85E-03	2.91E-07	1.14E-07	1.88E-03	2.97E-07	1.17E-07	1.88E-03	2.96E-07	1.16E-07
1020	490186.72, 3861285.12	1.86E-03	2.93E-07	1.15E-07	1.90E-03	2.99E-07	1.17E-07	1.89E-03	2.98E-07	1.17E-07
1021	490236.72, 3861285.12	1.87E-03	2.95E-07	1.16E-07	1.91E-03	3.01E-07	1.18E-07	1.91E-03	3.01E-07	1.18E-07
1022	490386.72, 3861285.12	1.93E-03	3.04E-07	1.19E-07	1.97E-03	3.10E-07	1.22E-07	1.97E-03	3.10E-07	1.22E-07
1023	490436.72, 3861285.12	1.95E-03	3.07E-07	1.21E-07	1.99E-03	3.13E-07	1.23E-07	1.99E-03	3.13E-07	1.23E-07
1024	490486.72, 3861285.12	1.97E-03	3.10E-07	1.22E-07	2.01E-03	3.16E-07	1.24E-07	2.00E-03	3.16E-07	1.24E-07
1025	490536.72, 3861285.12	1.99E-03	3.13E-07	1.23E-07	2.03E-03	3.20E-07	1.26E-07	2.03E-03	3.19E-07	1.25E-07
1026	490586.72, 3861285.12	2.01E-03	3.17E-07	1.25E-07	2.05E-03	3.23E-07	1.27E-07	2.05E-03	3.23E-07	1.27E-07
1027	490636.72, 3861285.12	2.02E-03	3.19E-07	1.25E-07	2.06E-03	3.25E-07	1.28E-07	2.06E-03	3.25E-07	1.28E-07
1028	490686.72, 3861285.12	2.04E-03	3.22E-07	1.27E-07	2.09E-03	3.29E-07	1.29E-07	2.08E-03	3.28E-07	1.29E-07
1029	490736.72, 3861285.12	2.08E-03	3.27E-07	1.29E-07	2.12E-03	3.34E-07	1.31E-07	2.12E-03	3.34E-07	1.31E-07
1030	490786.72, 3861285.12	2.10E-03	3.31E-07	1.30E-07	2.14E-03	3.37E-07	1.33E-07	2.14E-03	3.37E-07	1.32E-07
1031	490836.72, 3861285.12	2.11E-03	3.33E-07	1.31E-07	2.16E-03	3.40E-07	1.34E-07	2.16E-03	3.40E-07	1.33E-07
1032	490061.24, 3859716.13	2.21E-02	3.49E-06	1.37E-06	2.26E-02	3.56E-06	1.40E-06	2.26E-02	3.55E-06	1.40E-06
1033	490111.24, 3859716.13	2.53E-02	3.98E-06	1.57E-06	2.58E-02	4.07E-06	1.60E-06	2.58E-02	4.06E-06	1.60E-06
1034	490161.24, 3859716.13	2.93E-02	4.61E-06	1.81E-06	2.99E-02	4.71E-06	1.85E-06	2.98E-02	4.70E-06	1.85E-06
1035	490211.24, 3859716.13	3.44E-02	5.42E-06	2.13E-06	3.51E-02	5.54E-06	2.17E-06	3.51E-02	5.53E-06	2.17E-06
1036	490061.24, 3859766.13	1.74E-02	2.75E-06	1.08E-06	1.78E-02	2.80E-06	1.10E-06	1.78E-02	2.80E-06	1.10E-06
1037	490111.24, 3859766.13	1.92E-02	3.03E-06	1.19E-06	1.96E-02	3.09E-06	1.21E-06	1.96E-02	3.09E-06	1.21E-06
1038	490161.24, 3859766.13	2.13E-02	3.35E-06	1.32E-06	2.17E-02	3.42E-06	1.34E-06	2.17E-02	3.42E-06	1.34E-06
1039	490211.24, 3859766.13	2.39E-02	3.76E-06	1.48E-06	2.43E-02	3.84E-06	1.51E-06	2.43E-02	3.83E-06	1.51E-06
1040	490061.24, 3859816.13	1.44E-02	2.26E-06	8.89E-07	1.47E-02	2.31E-06	9.07E-07	1.46E-02	2.31E-06	9.06E-07
1041	490111.24, 3859816.13	1.55E-02	2.44E-06	9.59E-07	1.58E-02	2.49E-06	9.79E-07	1.58E-02	2.49E-06	9.78E-07
1042	490161.24, 3859816.13	1.68E-02	2.65E-06	1.04E-06	1.72E-02	2.70E-06	1.06E-06	1.71E-02	2.70E-06	1.06E-06
1043	490211.24, 3859816.13	1.83E-02	2.89E-06	1.13E-06	1.87E-02	2.95E-06	1.16E-06	1.87E-02	2.94E-06	1.16E-06
1044	490061.24, 3859866.13	1.22E-02	1.92E-06	7.55E-07	1.24E-02	1.96E-06	7.70E-07	1.24E-02	1.96E-06	7.69E-07
1045	490111.24, 3859866.13	1.30E-02	2.05E-06	8.06E-07	1.33E-02	2.09E-06	8.22E-07	1.33E-02	2.09E-06	8.21E-07
1046	490161.24, 3859866.13	1.40E-02	2.20E-06	8.64E-07	1.42E-02	2.24E-06	8.82E-07	1.42E-02	2.24E-06	8.81E-07
1047	490211.24, 3859866.13	1.50E-02	2.36E-06	9.29E-07	1.53E-02	2.41E-06	9.48E-07	1.53E-02	2.41E-06	9.47E-07
1048	490061.24, 3859916.13	1.06E-02	1.66E-06	6.54E-07	1.08E-02	1.70E-06	6.67E-07	1.08E-02	1.70E-06	6.66E-07
1049	490111.24, 3859916.13	1.12E-02	1.77E-06	6.94E-07	1.14E-02	1.80E-06	7.08E-07	1.14E-02	1.80E-06	7.07E-07
1050	490161.24, 3859916.13	1.19E-02	1.88E-06	7.37E-07	1.21E-02	1.91E-06	7.52E-07	1.21E-02	1.91E-06	7.51E-07
1051	490211.24, 3859916.13	1.26E-02	1.99E-06	7.82E-07	1.29E-02	2.03E-06	7.98E-07	1.29E-02	2.03E-06	7.97E-07
1052	490229.25, 3859815.26	1.91E-02	3.01E-06	1.18E-06	1.95E-02	3.07E-06	1.21E-06	1.95E-02	3.07E-06	1.20E-06
1053	490279.25, 3859815.26	2.10E-02	3.30E-06	1.30E-06	2.14E-02	3.37E-06	1.32E-06	2.14E-02	3.36E-06	1.32E-06
1054	490329.25, 3859815.26	2.32E-02	3.65E-06	1.43E-06	2.37E-02	3.73E-06	1.46E-06	2.36E-02	3.72E-06	1.46E-06
1055	490379.25, 3859815.26	2.64E-02	4.15E-06	1.63E-06	2.69E-02	4.24E-06	1.67E-06	2.69E-02	4.23E-06	1.66E-06
1056	490429.25, 3859815.26	3.10E-02	4.88E-06	1.92E-06	3.16E-02	4.98E-06	1.95E-06	3.15E-02	4.97E-06	1.95E-06
1057	490229.25, 3859865.26	1.55E-02	2.44E-06	9.57E-07	1.58E-02	2.49E-06	9.77E-07	1.58E-02	2.48E-06	9.76E-07
1058	490279.25, 3859865.26	1.67E-02	2.62E-06	1.03E-06	1.70E-02	2.68E-06	1.05E-06	1.70E-02	2.67E-06	1.05E-06
1059	490329.25, 3859865.26	1.80E-02	2.84E-06	1.11E-06	1.84E-02	2.90E-06	1.14E-06	1.84E-02	2.89E-06	1.14E-06
1060	490379.25, 3859865.26	1.97E-02	3.11E-06	1.22E-06	2.01E-02	3.17E-06	1.25E-06	2.01E-02	3.17E-06	1.24E-06
1061	490429.25, 3859865.26	2.19E-02	3.45E-06	1.35E-06	2.23E-02	3.52E-06	1.38E-06	2.23E-02	3.51E-06	1.38E-06
1062	490229.25, 3859915.26	1.30E-02	2.05E-06	8.03E-07	1.32E-02	2.09E-06	8.20E-07	1.32E-02	2.08E-06	8.19E-07
1063	490279.25, 3859915.26	1.38E-02	2.17E-06	8.53E-07	1.41E-02	2.22E-06	8.71E-07	1.40E-02	2.21E-06	8.69E-07
1064	490329.25, 3859915.26	1.47E-02	2.32E-06	9.12E-07	1.50E-02	2.37E-06	9.30E-07	1.50E-02	2.36E-06	9.29E-07
1065	490379.25, 3859915.26	1.58E-02	2.49E-06	9.80E-07	1.62E-02	2.54E-06	1.00E-06	1.61E-02	2.54E-06	9.99E-07
1066	490429.25, 3859915.26	1.71E-02	2.69E-06	1.06E-06	1.74E-02	2.75E-06	1.08E-06	1.74E-02	2.74E-06	1.08E-06
1067	490451.43, 3859872.59	2.20E-02	3.46E-06	1.36E-06	2.24E-02	3.53E-06	1.39E-06	2.24E-02	3.53E-06	1.39E-06

1068	490501.43, 3859872.59	2.50E-02	3.93E-06	1.54E-06	2.55E-02	4.01E-06	1.58E-06	2.54E-02	4.01E-06	1.57E-06
1069	490551.43, 3859872.59	2.93E-02	4.62E-06	1.82E-06	2.99E-02	4.71E-06	1.85E-06	2.99E-02	4.71E-06	1.85E-06
1070	490601.43, 3859872.59	3.53E-02	5.56E-06	2.18E-06	3.60E-02	5.67E-06	2.23E-06	3.60E-02	5.67E-06	2.23E-06
1071	490451.43, 3859922.59	1.72E-02	2.70E-06	1.06E-06	1.75E-02	2.76E-06	1.08E-06	1.75E-02	2.76E-06	1.08E-06
1072	490501.43, 3859922.59	1.88E-02	2.96E-06	1.16E-06	1.92E-02	3.02E-06	1.19E-06	1.92E-02	3.02E-06	1.19E-06
1073	490551.43, 3859922.59	2.11E-02	3.32E-06	1.30E-06	2.15E-02	3.39E-06	1.33E-06	2.15E-02	3.38E-06	1.33E-06
1074	490601.43, 3859922.59	2.41E-02	3.79E-06	1.49E-06	2.46E-02	3.87E-06	1.52E-06	2.45E-02	3.86E-06	1.52E-06
1075	482129.67, 3852241.07	3.62E-02	5.70E-06	2.24E-06	3.69E-02	5.82E-06	2.28E-06	3.69E-02	5.81E-06	2.28E-06
1076	482029.67, 3852291.07	5.89E-02	9.27E-06	3.64E-06	6.01E-02	9.46E-06	3.72E-06	6.00E-02	9.45E-06	3.71E-06
1077	482079.67, 3852291.07	4.84E-02	7.63E-06	3.00E-06	4.94E-02	7.78E-06	3.06E-06	4.93E-02	7.77E-06	3.05E-06
1078	482129.67, 3852291.07	4.11E-02	6.48E-06	2.54E-06	4.19E-02	6.61E-06	2.60E-06	4.19E-02	6.60E-06	2.59E-06
1079	482179.67, 3852291.07	3.54E-02	5.58E-06	2.19E-06	3.61E-02	5.69E-06	2.24E-06	3.61E-02	5.69E-06	2.23E-06
1080	482229.67, 3852291.07	3.05E-02	4.80E-06	1.89E-06	3.11E-02	4.90E-06	1.92E-06	3.10E-02	4.89E-06	1.92E-06
1081	482029.67, 3852341.07	7.40E-02	1.17E-05	4.58E-06	7.55E-02	1.19E-05	4.68E-06	7.55E-02	1.19E-05	4.67E-06
1082	482079.67, 3852341.07	5.83E-02	9.18E-06	3.61E-06	5.95E-02	9.37E-06	3.68E-06	5.94E-02	9.36E-06	3.68E-06
1083	482129.67, 3852341.07	4.80E-02	7.56E-06	2.97E-06	4.90E-02	7.71E-06	3.03E-06	4.89E-02	7.70E-06	3.03E-06
1084	482179.67, 3852341.07	4.06E-02	6.40E-06	2.52E-06	4.15E-02	6.53E-06	2.57E-06	4.14E-02	6.53E-06	2.56E-06
1085	482259.06, 3852400.14	3.85E-02	6.06E-06	2.38E-06	3.93E-02	6.18E-06	2.43E-06	3.92E-02	6.18E-06	2.43E-06
1086	482309.06, 3852400.14	3.29E-02	5.18E-06	2.04E-06	3.36E-02	5.29E-06	2.08E-06	3.35E-02	5.28E-06	2.08E-06
1087	482209.06, 3852450.14	5.20E-02	8.19E-06	3.22E-06	5.31E-02	8.36E-06	3.28E-06	5.30E-02	8.35E-06	3.28E-06
1088	482259.06, 3852450.14	4.42E-02	6.96E-06	2.73E-06	4.51E-02	7.10E-06	2.79E-06	4.50E-02	7.09E-06	2.79E-06
1089	482309.06, 3852450.14	3.79E-02	5.96E-06	2.34E-06	3.86E-02	6.09E-06	2.39E-06	3.86E-02	6.08E-06	2.39E-06
1090	482209.06, 3852500.14	6.30E-02	9.92E-06	3.90E-06	6.43E-02	1.01E-05	3.98E-06	6.42E-02	1.01E-05	3.97E-06
1091	482259.06, 3852500.14	5.21E-02	8.21E-06	3.23E-06	5.32E-02	8.38E-06	3.29E-06	5.31E-02	8.37E-06	3.29E-06
1092	482309.06, 3852500.14	4.37E-02	6.89E-06	2.71E-06	4.46E-02	7.03E-06	2.76E-06	4.45E-02	7.02E-06	2.76E-06
1093	482283.91, 3852513.62	4.99E-02	7.87E-06	3.09E-06	5.10E-02	8.03E-06	3.15E-06	5.09E-02	8.02E-06	3.15E-06
1094	482333.91, 3852513.62	4.21E-02	6.63E-06	2.60E-06	4.30E-02	6.77E-06	2.66E-06	4.29E-02	6.76E-06	2.65E-06
1095	482283.91, 3852563.62	5.98E-02	9.42E-06	3.70E-06	6.10E-02	9.61E-06	3.78E-06	6.09E-02	9.60E-06	3.77E-06
1096	482333.91, 3852563.62	4.95E-02	7.80E-06	3.06E-06	5.05E-02	7.96E-06	3.13E-06	5.04E-02	7.95E-06	3.12E-06
1097	482383.91, 3852563.62	4.19E-02	6.60E-06	2.59E-06	4.28E-02	6.74E-06	2.65E-06	4.27E-02	6.73E-06	2.64E-06
1098	482283.91, 3852613.62	7.70E-02	1.21E-05	4.76E-06	7.85E-02	1.24E-05	4.86E-06	7.84E-02	1.24E-05	4.85E-06
1099	482333.91, 3852613.62	5.97E-02	9.40E-06	3.69E-06	6.09E-02	9.59E-06	3.77E-06	6.08E-02	9.58E-06	3.76E-06
1100	482383.91, 3852613.62	4.89E-02	7.71E-06	3.03E-06	4.99E-02	7.87E-06	3.09E-06	4.99E-02	7.86E-06	3.09E-06
1101	482602.38, 3852600.87	2.54E-02	4.01E-06	1.57E-06	2.60E-02	4.09E-06	1.61E-06	2.59E-02	4.09E-06	1.61E-06
1102	482652.38, 3852600.87	2.32E-02	3.65E-06	1.44E-06	2.37E-02	3.73E-06	1.46E-06	2.36E-02	3.72E-06	1.46E-06
1103	482702.38, 3852600.87	2.04E-02	3.22E-06	1.26E-06	2.09E-02	3.28E-06	1.29E-06	2.08E-02	3.28E-06	1.29E-06
1104	482552.38, 3852650.87	3.28E-02	5.16E-06	2.03E-06	3.35E-02	5.27E-06	2.07E-06	3.34E-02	5.26E-06	2.07E-06
1105	482602.38, 3852650.87	2.84E-02	4.47E-06	1.76E-06	2.90E-02	4.57E-06	1.79E-06	2.89E-02	4.56E-06	1.79E-06
1106	482652.38, 3852650.87	2.57E-02	4.05E-06	1.59E-06	2.62E-02	4.13E-06	1.62E-06	2.62E-02	4.13E-06	1.62E-06
1107	482702.38, 3852650.87	2.35E-02	3.70E-06	1.45E-06	2.40E-02	3.77E-06	1.48E-06	2.39E-02	3.77E-06	1.48E-06
1108	482552.38, 3852700.87	3.71E-02	5.85E-06	2.30E-06	3.79E-02	5.97E-06	2.34E-06	3.78E-02	5.96E-06	2.34E-06
1109	482602.38, 3852700.87	3.27E-02	5.16E-06	2.03E-06	3.34E-02	5.26E-06	2.07E-06	3.34E-02	5.26E-06	2.07E-06
1110	482652.38, 3852700.87	2.96E-02	4.67E-06	1.83E-06	3.02E-02	4.76E-06	1.87E-06	3.02E-02	4.76E-06	1.87E-06
1111	482702.38, 3852700.87	2.66E-02	4.20E-06	1.65E-06	2.72E-02	4.28E-06	1.68E-06	2.72E-02	4.28E-06	1.68E-06
1112	482452.38, 3852750.87	6.41E-02	1.01E-05	3.97E-06	6.54E-02	1.03E-05	4.05E-06	6.54E-02	1.03E-05	4.05E-06
1113	482521.29, 3852749.74	4.77E-02	7.51E-06	2.95E-06	4.86E-02	7.66E-06	3.01E-06	4.86E-02	7.65E-06	3.01E-06
1114	482571.29, 3852749.74	4.04E-02	6.36E-06	2.50E-06	4.12E-02	6.49E-06	2.55E-06	4.12E-02	6.48E-06	2.55E-06
1115	482521.29, 3852799.74	5.77E-02	9.09E-06	3.57E-06	5.89E-02	9.27E-06	3.64E-06	5.88E-02	9.26E-06	3.64E-06
1116	482571.29, 3852799.74	4.73E-02	7.45E-06	2.93E-06	4.83E-02	7.60E-06	2.99E-06	4.82E-02	7.59E-06	2.98E-06
1117	482621.29, 3852799.74	4.01E-02	6.32E-06	2.48E-06	4.09E-02	6.45E-06	2.53E-06	4.09E-02	6.44E-06	2.53E-06
1118	482571.29, 3852849.74	5.70E-02	8.97E-06	3.52E-06	5.81E-02	9.16E-06	3.60E-06	5.80E-02	9.14E-06	3.59E-06
1119	482621.29, 3852849.74	4.67E-02	7.36E-06	2.89E-06	4.77E-02	7.51E-06	2.95E-06	4.76E-02	7.50E-06	2.95E-06
1120	482577.42, 3852901.55	7.00E-02	1.10E-05	4.33E-06	7.15E-02	1.13E-05	4.42E-06	7.14E-02	1.12E-05	4.42E-06
1121	482627.42, 3852901.55	5.51E-02	8.67E-06	3.41E-06	5.62E-02	8.85E-06	3.48E-06	5.61E-02	8.84E-06	3.47E-06
1122	482629.96, 3852955.85	6.83E-02	1.08E-05	4.22E-06	6.96E-02	1.10E-05	4.31E-06	6.96E-02	1.10E-05	4.31E-06
1123	482679.96, 3852955.85	5.32E-02	8.39E-06	3.30E-06	5.43E-02	8.56E-06	3.36E-06	5.43E-02	8.55E-06	3.36E-06
1124	482781.63, 3853034.48	4.31E-02	6.79E-06	2.67E-06	4.40E-02	6.93E-06	2.72E-06	4.40E-02	6.92E-06	2.72E-06
1125	482831.63, 3853034.48	3.60E-02	5.67E-06	2.23E-06	3.67E-02	5.79E-06	2.27E-06	3.67E-02	5.78E-06	2.27E-06
1126	482881.63, 3853034.48	3.07E-02	4.83E-06	1.90E-06	3.13E-02	4.93E-06	1.94E-06	3.13E-02	4.92E-06	1.93E-06
1127	482781.63, 3853084.48	4.75E-02	7.48E-06	2.94E-06	4.85E-02	7.64E-06	3.00E-06	4.84E-02	7.63E-06	3.00E-06
1128	482831.63, 3853084.48	3.90E-02	6.14E-06	2.41E-06	3.98E-02	6.27E-06	2.46E-06	3.97E-02	6.26E-06	2.46E-06
1129	482881.63, 3853084.48	3.31E-02	5.22E-06	2.05E-06	3.38E-02	5.32E-06	2.09E-06	3.37E-02	5.32E-06	2.09E-06
1130	482781.63, 3853134.48	5.31E-02	8.36E-06	3.29E-06	5.42E-02	8.53E-06	3.35E-06	5.41E-02	8.52E-06	3.35E-06

1131	482831.63, 3853134.48	4.26E-02	6.71E-06	2.63E-06	4.34E-02	6.84E-06	2.69E-06	4.34E-02	6.84E-06	2.69E-06
1132	482881.63, 3853134.48	3.58E-02	5.64E-06	2.22E-06	3.65E-02	5.76E-06	2.26E-06	3.65E-02	5.75E-06	2.26E-06
1133	482831.63, 3853184.48	4.72E-02	7.43E-06	2.92E-06	4.82E-02	7.59E-06	2.98E-06	4.81E-02	7.58E-06	2.98E-06
1134	482881.63, 3853184.48	3.88E-02	6.11E-06	2.40E-06	3.95E-02	6.23E-06	2.45E-06	3.95E-02	6.22E-06	2.44E-06
1135	484154.84, 3854250.98	1.91E-03	3.00E-07	1.18E-07	1.95E-03	3.06E-07	1.20E-07	1.94E-03	3.06E-07	1.20E-07
1136	484204.84, 3854250.98	1.89E-03	2.97E-07	1.17E-07	1.93E-03	3.03E-07	1.19E-07	1.92E-03	3.03E-07	1.19E-07
1137	484154.84, 3854300.98	1.80E-03	2.84E-07	1.11E-07	1.84E-03	2.90E-07	1.14E-07	1.84E-03	2.89E-07	1.14E-07
1138	484204.84, 3854300.98	1.80E-03	2.83E-07	1.11E-07	1.83E-03	2.89E-07	1.13E-07	1.83E-03	2.88E-07	1.13E-07
1139	484074.19, 3854519.8	1.51E-03	2.38E-07	9.33E-08	1.54E-03	2.42E-07	9.52E-08	1.54E-03	2.42E-07	9.51E-08
1140	484124.19, 3854519.8	1.50E-03	2.36E-07	9.25E-08	1.53E-03	2.40E-07	9.44E-08	1.52E-03	2.40E-07	9.43E-08
1141	484074.19, 3854569.8	1.45E-03	2.29E-07	8.98E-08	1.48E-03	2.33E-07	9.17E-08	1.48E-03	2.33E-07	9.16E-08
1142	484124.19, 3854569.8	1.43E-03	2.25E-07	8.85E-08	1.46E-03	2.30E-07	9.03E-08	1.46E-03	2.30E-07	9.02E-08
1143	485205.11, 3855188.89	1.21E-03	1.90E-07	7.48E-08	1.23E-03	1.94E-07	7.63E-08	1.23E-03	1.94E-07	7.62E-08
1144	485255.11, 3855188.89	1.19E-03	1.88E-07	7.37E-08	1.22E-03	1.92E-07	7.53E-08	1.21E-03	1.91E-07	7.52E-08
1145	485205.11, 3855238.89	1.19E-03	1.87E-07	7.35E-08	1.21E-03	1.91E-07	7.50E-08	1.21E-03	1.91E-07	7.49E-08
1146	485255.11, 3855238.89	1.18E-03	1.86E-07	7.31E-08	1.20E-03	1.90E-07	7.46E-08	1.20E-03	1.90E-07	7.45E-08
1147	485205.11, 3855288.89	1.19E-03	1.88E-07	7.37E-08	1.22E-03	1.92E-07	7.52E-08	1.21E-03	1.91E-07	7.51E-08
1148	485255.11, 3855288.89	1.18E-03	1.86E-07	7.31E-08	1.20E-03	1.90E-07	7.46E-08	1.20E-03	1.90E-07	7.45E-08
1149	485255.11, 3855338.89	1.18E-03	1.86E-07	7.29E-08	1.20E-03	1.89E-07	7.44E-08	1.20E-03	1.89E-07	7.43E-08
1150	485305.11, 3855338.89	1.17E-03	1.84E-07	7.23E-08	1.19E-03	1.88E-07	7.37E-08	1.19E-03	1.87E-07	7.37E-08
1151	485852.5, 3855635.28	1.05E-03	1.66E-07	6.52E-08	1.08E-03	1.69E-07	6.65E-08	1.07E-03	1.69E-07	6.65E-08
1152	485902.5, 3855635.28	1.04E-03	1.64E-07	6.46E-08	1.07E-03	1.68E-07	6.59E-08	1.06E-03	1.68E-07	6.58E-08
1153	485852.5, 3855685.28	1.05E-03	1.65E-07	6.48E-08	1.07E-03	1.68E-07	6.61E-08	1.07E-03	1.68E-07	6.60E-08
1154	485902.5, 3855685.28	1.04E-03	1.63E-07	6.42E-08	1.06E-03	1.67E-07	6.55E-08	1.06E-03	1.66E-07	6.54E-08
1155	485852.5, 3855735.28	1.04E-03	1.64E-07	6.43E-08	1.06E-03	1.67E-07	6.56E-08	1.06E-03	1.67E-07	6.55E-08
1156	485902.5, 3855735.28	1.03E-03	1.63E-07	6.39E-08	1.05E-03	1.66E-07	6.52E-08	1.05E-03	1.66E-07	6.51E-08
1157	485852.5, 3855785.28	1.03E-03	1.63E-07	6.40E-08	1.05E-03	1.66E-07	6.53E-08	1.05E-03	1.66E-07	6.52E-08
1158	485902.5, 3855785.28	1.02E-03	1.61E-07	6.34E-08	1.05E-03	1.65E-07	6.47E-08	1.04E-03	1.65E-07	6.46E-08
1159	486809.46, 3856465.28	8.94E-04	1.41E-07	5.53E-08	9.12E-04	1.44E-07	5.64E-08	9.11E-04	1.43E-07	5.64E-08
1160	486859.46, 3856465.28	8.92E-04	1.41E-07	5.52E-08	9.10E-04	1.43E-07	5.63E-08	9.09E-04	1.43E-07	5.63E-08
1161	486909.46, 3856465.28	8.89E-04	1.40E-07	5.50E-08	9.07E-04	1.43E-07	5.61E-08	9.06E-04	1.43E-07	5.61E-08
1162	486809.46, 3856515.28	8.95E-04	1.41E-07	5.54E-08	9.13E-04	1.44E-07	5.65E-08	9.12E-04	1.44E-07	5.64E-08
1163	486859.46, 3856515.28	8.94E-04	1.41E-07	5.53E-08	9.13E-04	1.44E-07	5.65E-08	9.11E-04	1.44E-07	5.64E-08
1164	486909.46, 3856515.28	8.93E-04	1.41E-07	5.52E-08	9.11E-04	1.43E-07	5.64E-08	9.10E-04	1.43E-07	5.63E-08
1165	486980.94, 3856357.95	8.85E-04	1.39E-07	5.48E-08	9.03E-04	1.42E-07	5.59E-08	9.02E-04	1.42E-07	5.58E-08
1166	487030.94, 3856357.95	8.85E-04	1.39E-07	5.47E-08	9.03E-04	1.42E-07	5.59E-08	9.02E-04	1.42E-07	5.58E-08
1167	486980.94, 3856407.95	8.86E-04	1.40E-07	5.48E-08	9.04E-04	1.42E-07	5.59E-08	9.03E-04	1.42E-07	5.59E-08
1168	487030.94, 3856407.95	8.84E-04	1.39E-07	5.47E-08	9.02E-04	1.42E-07	5.58E-08	9.01E-04	1.42E-07	5.58E-08
1169	487447.18, 3856437.45	8.88E-04	1.40E-07	5.50E-08	9.06E-04	1.43E-07	5.61E-08	9.05E-04	1.43E-07	5.60E-08
1170	487497.18, 3856437.45	8.90E-04	1.40E-07	5.51E-08	9.08E-04	1.43E-07	5.62E-08	9.07E-04	1.43E-07	5.62E-08
1171	487547.18, 3856437.45	8.92E-04	1.41E-07	5.52E-08	9.10E-04	1.43E-07	5.63E-08	9.09E-04	1.43E-07	5.63E-08
1172	487447.18, 3856487.45	8.87E-04	1.40E-07	5.49E-08	9.05E-04	1.43E-07	5.60E-08	9.04E-04	1.42E-07	5.59E-08
1173	487497.18, 3856487.45	8.88E-04	1.40E-07	5.50E-08	9.07E-04	1.43E-07	5.61E-08	9.05E-04	1.43E-07	5.60E-08
1174	487547.18, 3856487.45	8.91E-04	1.40E-07	5.51E-08	9.09E-04	1.43E-07	5.63E-08	9.08E-04	1.43E-07	5.62E-08
1175	487447.18, 3856537.45	8.86E-04	1.40E-07	5.49E-08	9.04E-04	1.42E-07	5.60E-08	9.03E-04	1.42E-07	5.59E-08
1176	487497.18, 3856537.45	8.88E-04	1.40E-07	5.49E-08	9.06E-04	1.43E-07	5.60E-08	9.05E-04	1.43E-07	5.60E-08
1177	487547.18, 3856537.45	8.90E-04	1.40E-07	5.51E-08	9.09E-04	1.43E-07	5.62E-08	9.08E-04	1.43E-07	5.62E-08
1178	489285.89, 3858826.54	1.16E-02	1.83E-06	7.19E-07	1.19E-02	1.87E-06	7.34E-07	1.18E-02	1.87E-06	7.33E-07
1179	489335.89, 3858826.54	1.13E-02	1.78E-06	6.98E-07	1.15E-02	1.81E-06	7.13E-07	1.15E-02	1.81E-06	7.12E-07
1180	489385.89, 3858826.54	1.09E-02	1.72E-06	6.76E-07	1.11E-02	1.76E-06	6.90E-07	1.11E-02	1.75E-06	6.89E-07
1181	489435.89, 3858826.54	1.06E-02	1.67E-06	6.55E-07	1.08E-02	1.70E-06	6.68E-07	1.08E-02	1.70E-06	6.68E-07
1182	489485.89, 3858826.54	1.03E-02	1.62E-06	6.34E-07	1.05E-02	1.65E-06	6.47E-07	1.04E-02	1.65E-06	6.47E-07
1183	489535.89, 3858826.54	9.93E-03	1.56E-06	6.15E-07	1.01E-02	1.60E-06	6.27E-07	1.01E-02	1.59E-06	6.27E-07
1184	489585.89, 3858826.54	9.63E-03	1.52E-06	5.96E-07	9.83E-03	1.55E-06	6.08E-07	9.82E-03	1.55E-06	6.08E-07
1185	489635.89, 3858826.54	9.34E-03	1.47E-06	5.78E-07	9.53E-03	1.50E-06	5.90E-07	9.52E-03	1.50E-06	5.89E-07
1186	489685.89, 3858826.54	9.06E-03	1.43E-06	5.61E-07	9.25E-03	1.46E-06	5.72E-07	9.23E-03	1.45E-06	5.72E-07
1187	489735.89, 3858826.54	8.80E-03	1.39E-06	5.45E-07	8.98E-03	1.41E-06	5.56E-07	8.97E-03	1.41E-06	5.55E-07
1188	489785.89, 3858826.54	8.57E-03	1.35E-06	5.31E-07	8.75E-03	1.38E-06	5.41E-07	8.74E-03	1.38E-06	5.41E-07
1189	489835.89, 3858826.54	8.33E-03	1.31E-06	5.16E-07	8.51E-03	1.34E-06	5.26E-07	8.50E-03	1.34E-06	5.26E-07
1190	489885.89, 3858826.54	8.14E-03	1.28E-06	5.04E-07	8.30E-03	1.31E-06	5.14E-07	8.29E-03	1.31E-06	5.13E-07
1191	489935.89, 3858826.54	7.93E-03	1.25E-06	4.91E-07	8.09E-03	1.28E-06	5.01E-07	8.08E-03	1.27E-06	5.00E-07
1192	489985.89, 3858826.54	7.72E-03	1.22E-06	4.78E-07	7.88E-03	1.24E-06	4.88E-07	7.87E-03	1.24E-06	4.87E-07
1193	490035.89, 3858826.54	7.43E-03	1.17E-06	4.60E-07	7.59E-03	1.20E-06	4.69E-07	7.58E-03	1.19E-06	4.69E-07

1194	489285.89, 3858876.54	1.66E-02	2.61E-06	1.02E-06	1.69E-02	2.66E-06	1.05E-06	1.69E-02	2.66E-06	1.04E-06
1195	489335.89, 3858876.54	1.55E-02	2.45E-06	9.62E-07	1.59E-02	2.50E-06	9.82E-07	1.58E-02	2.50E-06	9.80E-07
1196	489385.89, 3858876.54	1.47E-02	2.31E-06	9.07E-07	1.50E-02	2.36E-06	9.26E-07	1.49E-02	2.35E-06	9.25E-07
1197	489435.89, 3858876.54	1.39E-02	2.19E-06	8.59E-07	1.42E-02	2.23E-06	8.77E-07	1.41E-02	2.23E-06	8.75E-07
1198	489485.89, 3858876.54	1.32E-02	2.08E-06	8.16E-07	1.35E-02	2.12E-06	8.33E-07	1.34E-02	2.12E-06	8.32E-07
1199	489535.89, 3858876.54	1.26E-02	1.98E-06	7.77E-07	1.28E-02	2.02E-06	7.93E-07	1.28E-02	2.02E-06	7.92E-07
1200	489585.89, 3858876.54	1.20E-02	1.89E-06	7.42E-07	1.22E-02	1.93E-06	7.57E-07	1.22E-02	1.92E-06	7.56E-07
1201	489635.89, 3858876.54	1.15E-02	1.81E-06	7.11E-07	1.17E-02	1.85E-06	7.25E-07	1.17E-02	1.84E-06	7.24E-07
1202	489685.89, 3858876.54	1.10E-02	1.74E-06	6.82E-07	1.12E-02	1.77E-06	6.96E-07	1.12E-02	1.77E-06	6.95E-07
1203	489735.89, 3858876.54	1.06E-02	1.67E-06	6.55E-07	1.08E-02	1.70E-06	6.69E-07	1.08E-02	1.70E-06	6.68E-07
1204	489785.89, 3858876.54	1.02E-02	1.61E-06	6.33E-07	1.04E-02	1.64E-06	6.46E-07	1.04E-02	1.64E-06	6.45E-07
1205	489835.89, 3858876.54	9.87E-03	1.55E-06	6.11E-07	1.01E-02	1.59E-06	6.23E-07	1.01E-02	1.58E-06	6.23E-07
1206	489885.89, 3858876.54	9.57E-03	1.51E-06	5.92E-07	9.77E-03	1.54E-06	6.05E-07	9.76E-03	1.54E-06	6.04E-07
1207	489935.89, 3858876.54	9.26E-03	1.46E-06	5.73E-07	9.45E-03	1.49E-06	5.85E-07	9.44E-03	1.49E-06	5.84E-07
1208	489985.89, 3858876.54	8.94E-03	1.41E-06	5.54E-07	9.13E-03	1.44E-06	5.65E-07	9.12E-03	1.44E-06	5.64E-07
1209	490035.89, 3858876.54	8.59E-03	1.35E-06	5.32E-07	8.77E-03	1.38E-06	5.43E-07	8.76E-03	1.38E-06	5.42E-07
1210	489285.89, 3858926.54	2.32E-02	3.66E-06	1.44E-06	2.37E-02	3.73E-06	1.47E-06	2.37E-02	3.73E-06	1.46E-06
1211	489335.89, 3858926.54	2.11E-02	3.33E-06	1.31E-06	2.16E-02	3.40E-06	1.33E-06	2.15E-02	3.39E-06	1.33E-06
1212	489385.89, 3858926.54	1.94E-02	3.06E-06	1.20E-06	1.98E-02	3.12E-06	1.23E-06	1.98E-02	3.12E-06	1.22E-06
1213	489435.89, 3858926.54	1.80E-02	2.83E-06	1.11E-06	1.84E-02	2.89E-06	1.14E-06	1.83E-02	2.89E-06	1.13E-06
1214	489485.89, 3858926.54	1.68E-02	2.64E-06	1.04E-06	1.71E-02	2.70E-06	1.06E-06	1.71E-02	2.69E-06	1.06E-06
1215	489535.89, 3858926.54	1.57E-02	2.48E-06	9.74E-07	1.61E-02	2.53E-06	9.94E-07	1.60E-02	2.53E-06	9.92E-07
1216	489585.89, 3858926.54	1.48E-02	2.33E-06	9.17E-07	1.51E-02	2.38E-06	9.36E-07	1.51E-02	2.38E-06	9.35E-07
1217	489635.89, 3858926.54	1.40E-02	2.21E-06	8.68E-07	1.43E-02	2.25E-06	8.85E-07	1.43E-02	2.25E-06	8.84E-07
1218	489685.89, 3858926.54	1.33E-02	2.10E-06	8.23E-07	1.36E-02	2.14E-06	8.40E-07	1.36E-02	2.14E-06	8.39E-07
1219	489735.89, 3858926.54	1.27E-02	2.00E-06	7.85E-07	1.29E-02	2.04E-06	8.01E-07	1.29E-02	2.04E-06	8.00E-07
1220	489785.89, 3858926.54	1.21E-02	1.91E-06	7.51E-07	1.24E-02	1.95E-06	7.66E-07	1.24E-02	1.95E-06	7.65E-07
1221	489835.89, 3858926.54	1.16E-02	1.83E-06	7.19E-07	1.19E-02	1.87E-06	7.34E-07	1.18E-02	1.87E-06	7.33E-07
1222	489885.89, 3858926.54	1.12E-02	1.76E-06	6.92E-07	1.14E-02	1.80E-06	7.06E-07	1.14E-02	1.79E-06	7.05E-07
1223	489935.89, 3858926.54	1.08E-02	1.69E-06	6.66E-07	1.10E-02	1.73E-06	6.79E-07	1.10E-02	1.73E-06	6.79E-07
1224	489985.89, 3858926.54	1.03E-02	1.63E-06	6.40E-07	1.06E-02	1.66E-06	6.54E-07	1.05E-02	1.66E-06	6.53E-07
1225	490035.89, 3858926.54	9.82E-03	1.55E-06	6.08E-07	1.00E-02	1.58E-06	6.20E-07	1.00E-02	1.58E-06	6.20E-07
1226	489335.89, 3858976.54	2.83E-02	4.46E-06	1.75E-06	2.89E-02	4.55E-06	1.79E-06	2.88E-02	4.54E-06	1.78E-06
1227	489385.89, 3858976.54	2.54E-02	4.00E-06	1.57E-06	2.59E-02	4.08E-06	1.60E-06	2.59E-02	4.07E-06	1.60E-06
1228	489435.89, 3858976.54	2.31E-02	3.63E-06	1.43E-06	2.35E-02	3.71E-06	1.46E-06	2.35E-02	3.70E-06	1.46E-06
1229	489485.89, 3858976.54	2.11E-02	3.33E-06	1.31E-06	2.16E-02	3.40E-06	1.34E-06	2.16E-02	3.39E-06	1.33E-06
1230	489535.89, 3858976.54	1.95E-02	3.08E-06	1.21E-06	1.99E-02	3.14E-06	1.23E-06	1.99E-02	3.14E-06	1.23E-06
1231	489585.89, 3858976.54	1.82E-02	2.87E-06	1.13E-06	1.86E-02	2.92E-06	1.15E-06	1.85E-02	2.92E-06	1.15E-06
1232	489635.89, 3858976.54	1.70E-02	2.68E-06	1.05E-06	1.74E-02	2.74E-06	1.08E-06	1.74E-02	2.73E-06	1.07E-06
1233	489685.89, 3858976.54	1.60E-02	2.52E-06	9.90E-07	1.63E-02	2.57E-06	1.01E-06	1.63E-02	2.57E-06	1.01E-06
1234	489735.89, 3858976.54	1.51E-02	2.38E-06	9.35E-07	1.54E-02	2.43E-06	9.54E-07	1.54E-02	2.43E-06	9.53E-07
1235	489785.89, 3858976.54	1.43E-02	2.26E-06	8.88E-07	1.46E-02	2.31E-06	9.06E-07	1.46E-02	2.30E-06	9.05E-07
1236	489835.89, 3858976.54	1.37E-02	2.15E-06	8.45E-07	1.39E-02	2.20E-06	8.63E-07	1.39E-02	2.19E-06	8.62E-07
1237	489885.89, 3858976.54	1.30E-02	2.05E-06	8.04E-07	1.33E-02	2.09E-06	8.21E-07	1.32E-02	2.09E-06	8.20E-07
1238	489935.89, 3858976.54	1.24E-02	1.96E-06	7.69E-07	1.27E-02	2.00E-06	7.85E-07	1.27E-02	1.99E-06	7.84E-07
1239	489985.89, 3858976.54	1.19E-02	1.87E-06	7.36E-07	1.21E-02	1.91E-06	7.51E-07	1.21E-02	1.91E-06	7.51E-07
1240	490035.89, 3858976.54	1.11E-02	1.75E-06	6.86E-07	1.13E-02	1.78E-06	7.00E-07	1.13E-02	1.78E-06	6.99E-07
1241	489385.89, 3859026.54	3.30E-02	5.21E-06	2.05E-06	3.37E-02	5.31E-06	2.09E-06	3.37E-02	5.31E-06	2.08E-06
1242	489435.89, 3859026.54	2.94E-02	4.63E-06	1.82E-06	3.00E-02	4.73E-06	1.86E-06	3.00E-02	4.72E-06	1.86E-06
1243	489485.89, 3859026.54	2.65E-02	4.18E-06	1.64E-06	2.71E-02	4.27E-06	1.68E-06	2.70E-02	4.26E-06	1.67E-06
1244	489535.89, 3859026.54	2.42E-02	3.81E-06	1.50E-06	2.47E-02	3.89E-06	1.53E-06	2.47E-02	3.88E-06	1.53E-06
1245	489585.89, 3859026.54	2.22E-02	3.50E-06	1.38E-06	2.27E-02	3.57E-06	1.40E-06	2.27E-02	3.57E-06	1.40E-06
1246	489635.89, 3859026.54	2.06E-02	3.24E-06	1.27E-06	2.10E-02	3.31E-06	1.30E-06	2.10E-02	3.31E-06	1.30E-06
1247	489685.89, 3859026.54	1.92E-02	3.02E-06	1.19E-06	1.96E-02	3.09E-06	1.21E-06	1.96E-02	3.08E-06	1.21E-06
1248	489735.89, 3859026.54	1.80E-02	2.84E-06	1.11E-06	1.84E-02	2.89E-06	1.14E-06	1.83E-02	2.89E-06	1.14E-06
1249	489785.89, 3859026.54	1.69E-02	2.67E-06	1.05E-06	1.73E-02	2.72E-06	1.07E-06	1.73E-02	2.72E-06	1.07E-06
1250	489835.89, 3859026.54	1.60E-02	2.52E-06	9.89E-07	1.63E-02	2.57E-06	1.01E-06	1.63E-02	2.56E-06	1.01E-06
1251	489885.89, 3859026.54	1.51E-02	2.38E-06	9.36E-07	1.54E-02	2.43E-06	9.55E-07	1.54E-02	2.43E-06	9.54E-07
1252	489935.89, 3859026.54	1.43E-02	2.26E-06	8.88E-07	1.46E-02	2.31E-06	9.06E-07	1.46E-02	2.30E-06	9.05E-07
1253	489985.89, 3859026.54	1.36E-02	2.15E-06	8.44E-07	1.39E-02	2.19E-06	8.61E-07	1.39E-02	2.19E-06	8.60E-07
1254	490035.89, 3859026.54	1.26E-02	1.98E-06	7.78E-07	1.28E-02	2.02E-06	7.93E-07	1.28E-02	2.02E-06	7.93E-07
1255	489485.89, 3859076.54	3.36E-02	5.29E-06	2.08E-06	3.43E-02	5.40E-06	2.12E-06	3.42E-02	5.39E-06	2.12E-06
1256	489535.89, 3859076.54	3.01E-02	4.74E-06	1.86E-06	3.07E-02	4.84E-06	1.90E-06	3.07E-02	4.83E-06	1.90E-06

1257	489585.89, 3859076.54	2.73E-02	4.30E-06	1.69E-06	2.79E-02	4.39E-06	1.72E-06	2.78E-02	4.38E-06	1.72E-06
1258	489635.89, 3859076.54	2.50E-02	3.94E-06	1.55E-06	2.55E-02	4.02E-06	1.58E-06	2.55E-02	4.02E-06	1.58E-06
1259	489685.89, 3859076.54	2.31E-02	3.64E-06	1.43E-06	2.36E-02	3.71E-06	1.46E-06	2.35E-02	3.71E-06	1.46E-06
1260	489735.89, 3859076.54	2.15E-02	3.38E-06	1.33E-06	2.19E-02	3.45E-06	1.36E-06	2.19E-02	3.45E-06	1.35E-06
1261	489785.89, 3859076.54	2.00E-02	3.16E-06	1.24E-06	2.04E-02	3.22E-06	1.27E-06	2.04E-02	3.22E-06	1.26E-06
1262	489835.89, 3859076.54	1.88E-02	2.95E-06	1.16E-06	1.91E-02	3.01E-06	1.18E-06	1.91E-02	3.01E-06	1.18E-06
1263	489885.89, 3859076.54	1.76E-02	2.78E-06	1.09E-06	1.80E-02	2.83E-06	1.11E-06	1.80E-02	2.83E-06	1.11E-06
1264	489935.89, 3859076.54	1.66E-02	2.62E-06	1.03E-06	1.70E-02	2.67E-06	1.05E-06	1.70E-02	2.67E-06	1.05E-06
1265	489985.89, 3859076.54	1.57E-02	2.47E-06	9.71E-07	1.60E-02	2.52E-06	9.91E-07	1.60E-02	2.52E-06	9.90E-07
1266	490035.89, 3859076.54	1.44E-02	2.28E-06	8.94E-07	1.47E-02	2.32E-06	9.12E-07	1.47E-02	2.32E-06	9.11E-07
1267	489585.89, 3859126.54	3.41E-02	5.37E-06	2.11E-06	3.48E-02	5.48E-06	2.15E-06	3.48E-02	5.48E-06	2.15E-06
1268	489635.89, 3859126.54	3.08E-02	4.85E-06	1.91E-06	3.14E-02	4.95E-06	1.94E-06	3.14E-02	4.94E-06	1.94E-06
1269	489685.89, 3859126.54	2.80E-02	4.42E-06	1.73E-06	2.86E-02	4.51E-06	1.77E-06	2.86E-02	4.50E-06	1.77E-06
1270	489735.89, 3859126.54	2.57E-02	4.05E-06	1.59E-06	2.63E-02	4.14E-06	1.63E-06	2.62E-02	4.13E-06	1.62E-06
1271	489785.89, 3859126.54	2.38E-02	3.75E-06	1.47E-06	2.43E-02	3.83E-06	1.50E-06	2.43E-02	3.82E-06	1.50E-06
1272	489835.89, 3859126.54	2.21E-02	3.48E-06	1.37E-06	2.25E-02	3.55E-06	1.40E-06	2.25E-02	3.55E-06	1.39E-06
1273	489885.89, 3859126.54	2.06E-02	3.24E-06	1.27E-06	2.10E-02	3.31E-06	1.30E-06	2.10E-02	3.31E-06	1.30E-06
1274	489935.89, 3859126.54	1.93E-02	3.04E-06	1.19E-06	1.97E-02	3.10E-06	1.22E-06	1.97E-02	3.10E-06	1.22E-06
1275	489985.89, 3859126.54	1.80E-02	2.83E-06	1.11E-06	1.84E-02	2.89E-06	1.14E-06	1.83E-02	2.89E-06	1.13E-06
1276	490035.89, 3859126.54	1.67E-02	2.62E-06	1.03E-06	1.70E-02	2.68E-06	1.05E-06	1.70E-02	2.67E-06	1.05E-06
1277	489585.89, 3859176.54	4.39E-02	6.92E-06	2.72E-06	4.48E-02	7.06E-06	2.78E-06	4.48E-02	7.06E-06	2.77E-06
1278	489635.89, 3859176.54	3.87E-02	6.10E-06	2.40E-06	3.95E-02	6.22E-06	2.44E-06	3.95E-02	6.22E-06	2.44E-06
1279	489685.89, 3859176.54	3.46E-02	5.45E-06	2.14E-06	3.53E-02	5.56E-06	2.19E-06	3.53E-02	5.56E-06	2.18E-06
1280	489735.89, 3859176.54	3.13E-02	4.93E-06	1.94E-06	3.19E-02	5.03E-06	1.98E-06	3.19E-02	5.03E-06	1.97E-06
1281	489785.89, 3859176.54	2.85E-02	4.50E-06	1.77E-06	2.91E-02	4.59E-06	1.80E-06	2.91E-02	4.58E-06	1.80E-06
1282	489835.89, 3859176.54	2.62E-02	4.13E-06	1.62E-06	2.68E-02	4.22E-06	1.66E-06	2.67E-02	4.21E-06	1.65E-06
1283	489885.89, 3859176.54	2.42E-02	3.82E-06	1.50E-06	2.47E-02	3.90E-06	1.53E-06	2.47E-02	3.89E-06	1.53E-06
1284	489935.89, 3859176.54	2.25E-02	3.55E-06	1.39E-06	2.30E-02	3.62E-06	1.42E-06	2.29E-02	3.62E-06	1.42E-06
1285	489985.89, 3859176.54	2.08E-02	3.28E-06	1.29E-06	2.13E-02	3.35E-06	1.32E-06	2.12E-02	3.35E-06	1.31E-06
1286	490035.89, 3859176.54	1.95E-02	3.08E-06	1.21E-06	1.99E-02	3.14E-06	1.23E-06	1.99E-02	3.14E-06	1.23E-06
1287	489685.89, 3859226.54	4.40E-02	6.94E-06	2.72E-06	4.49E-02	7.08E-06	2.78E-06	4.49E-02	7.07E-06	2.78E-06
1288	489735.89, 3859226.54	3.89E-02	6.13E-06	2.41E-06	3.97E-02	6.26E-06	2.46E-06	3.97E-02	6.25E-06	2.46E-06
1289	489785.89, 3859226.54	3.49E-02	5.49E-06	2.16E-06	3.56E-02	5.61E-06	2.20E-06	3.55E-02	5.60E-06	2.20E-06
1290	489835.89, 3859226.54	3.15E-02	4.97E-06	1.95E-06	3.22E-02	5.07E-06	1.99E-06	3.21E-02	5.06E-06	1.99E-06
1291	489885.89, 3859226.54	2.88E-02	4.54E-06	1.78E-06	2.94E-02	4.63E-06	1.82E-06	2.93E-02	4.62E-06	1.82E-06
1292	489935.89, 3859226.54	2.65E-02	4.17E-06	1.64E-06	2.70E-02	4.25E-06	1.67E-06	2.70E-02	4.25E-06	1.67E-06
1293	489985.89, 3859226.54	2.42E-02	3.81E-06	1.50E-06	2.47E-02	3.88E-06	1.53E-06	2.46E-02	3.88E-06	1.52E-06
1294	490035.89, 3859226.54	2.25E-02	3.55E-06	1.39E-06	2.30E-02	3.62E-06	1.42E-06	2.30E-02	3.62E-06	1.42E-06
1295	489735.89, 3859276.54	5.04E-02	7.95E-06	3.12E-06	5.15E-02	8.11E-06	3.19E-06	5.14E-02	8.10E-06	3.18E-06
1296	489785.89, 3859276.54	4.39E-02	6.92E-06	2.72E-06	4.48E-02	7.06E-06	2.77E-06	4.48E-02	7.05E-06	2.77E-06
1297	489835.89, 3859276.54	3.89E-02	6.12E-06	2.40E-06	3.96E-02	6.25E-06	2.45E-06	3.96E-02	6.24E-06	2.45E-06
1298	489885.89, 3859276.54	3.49E-02	5.49E-06	2.16E-06	3.56E-02	5.61E-06	2.20E-06	3.55E-02	5.60E-06	2.20E-06
1299	489935.89, 3859276.54	3.16E-02	4.97E-06	1.95E-06	3.22E-02	5.07E-06	1.99E-06	3.22E-02	5.07E-06	1.99E-06
1300	489985.89, 3859276.54	2.83E-02	4.46E-06	1.75E-06	2.89E-02	4.56E-06	1.79E-06	2.89E-02	4.55E-06	1.79E-06
1301	490035.89, 3859276.54	2.64E-02	4.16E-06	1.63E-06	2.69E-02	4.24E-06	1.67E-06	2.69E-02	4.24E-06	1.67E-06
1302	490458.06, 3859590.74	4.46E-02	7.03E-06	2.76E-06	4.55E-02	7.17E-06	2.82E-06	4.55E-02	7.17E-06	2.82E-06
1303	490508.06, 3859590.74	3.99E-02	6.28E-06	2.47E-06	4.07E-02	6.41E-06	2.52E-06	4.07E-02	6.41E-06	2.52E-06
1304	490558.06, 3859590.74	3.54E-02	5.58E-06	2.19E-06	3.61E-02	5.69E-06	2.24E-06	3.61E-02	5.68E-06	2.23E-06
1305	490608.06, 3859590.74	3.19E-02	5.02E-06	1.97E-06	3.25E-02	5.12E-06	2.01E-06	3.25E-02	5.12E-06	2.01E-06
1306	490658.06, 3859590.74	2.88E-02	4.54E-06	1.78E-06	2.94E-02	4.63E-06	1.82E-06	2.94E-02	4.63E-06	1.82E-06
1307	490708.06, 3859590.74	2.62E-02	4.13E-06	1.62E-06	2.68E-02	4.21E-06	1.66E-06	2.67E-02	4.21E-06	1.65E-06
1308	490758.06, 3859590.74	2.38E-02	3.75E-06	1.47E-06	2.43E-02	3.82E-06	1.50E-06	2.42E-02	3.82E-06	1.50E-06
1309	490808.06, 3859590.74	2.19E-02	3.45E-06	1.36E-06	2.24E-02	3.52E-06	1.38E-06	2.23E-02	3.52E-06	1.38E-06
1310	490858.06, 3859590.74	2.02E-02	3.18E-06	1.25E-06	2.06E-02	3.24E-06	1.27E-06	2.06E-02	3.24E-06	1.27E-06
1311	490458.06, 3859640.74	6.23E-02	9.82E-06	3.86E-06	6.36E-02	1.00E-05	3.94E-06	6.35E-02	1.00E-05	3.93E-06
1312	490508.06, 3859640.74	5.41E-02	8.52E-06	3.35E-06	5.52E-02	8.69E-06	3.41E-06	5.51E-02	8.68E-06	3.41E-06
1313	490558.06, 3859640.74	4.74E-02	7.47E-06	2.94E-06	4.84E-02	7.62E-06	3.00E-06	4.83E-02	7.62E-06	2.99E-06
1314	490608.06, 3859640.74	4.14E-02	6.53E-06	2.56E-06	4.23E-02	6.66E-06	2.62E-06	4.22E-02	6.65E-06	2.61E-06
1315	490658.06, 3859640.74	3.61E-02	5.69E-06	2.23E-06	3.68E-02	5.80E-06	2.28E-06	3.68E-02	5.80E-06	2.28E-06
1316	490708.06, 3859640.74	3.23E-02	5.08E-06	2.00E-06	3.29E-02	5.19E-06	2.04E-06	3.29E-02	5.18E-06	2.03E-06
1317	490758.06, 3859640.74	2.89E-02	4.55E-06	1.79E-06	2.95E-02	4.65E-06	1.83E-06	2.95E-02	4.64E-06	1.82E-06
1318	490808.06, 3859640.74	2.65E-02	4.18E-06	1.64E-06	2.70E-02	4.26E-06	1.67E-06	2.70E-02	4.26E-06	1.67E-06
1319	490858.06, 3859640.74	2.44E-02	3.85E-06	1.51E-06	2.49E-02	3.93E-06	1.54E-06	2.49E-02	3.92E-06	1.54E-06

1320	490608.06, 3859690.74	5.76E-02	9.07E-06	3.56E-06	5.88E-02	9.26E-06	3.64E-06	5.87E-02	9.25E-06	3.63E-06
1321	490658.06, 3859690.74	4.83E-02	7.61E-06	2.99E-06	4.93E-02	7.77E-06	3.05E-06	4.93E-02	7.76E-06	3.05E-06
1322	490708.06, 3859690.74	4.17E-02	6.57E-06	2.58E-06	4.26E-02	6.70E-06	2.63E-06	4.25E-02	6.70E-06	2.63E-06
1323	490758.06, 3859690.74	3.64E-02	5.74E-06	2.25E-06	3.72E-02	5.86E-06	2.30E-06	3.71E-02	5.85E-06	2.30E-06
1324	490808.06, 3859690.74	3.26E-02	5.14E-06	2.02E-06	3.33E-02	5.25E-06	2.06E-06	3.33E-02	5.24E-06	2.06E-06
1325	490858.06, 3859690.74	3.03E-02	4.77E-06	1.87E-06	3.09E-02	4.86E-06	1.91E-06	3.08E-02	4.86E-06	1.91E-06
1326	490708.06, 3859740.74	6.04E-02	9.51E-06	3.74E-06	6.16E-02	9.71E-06	3.81E-06	6.15E-02	9.70E-06	3.81E-06
1327	490758.06, 3859740.74	5.15E-02	8.11E-06	3.19E-06	5.26E-02	8.28E-06	3.25E-06	5.25E-02	8.27E-06	3.25E-06
1328	490808.06, 3859740.74	4.45E-02	7.01E-06	2.75E-06	4.54E-02	7.15E-06	2.81E-06	4.54E-02	7.14E-06	2.81E-06
1329	490858.06, 3859740.74	3.96E-02	6.24E-06	2.45E-06	4.04E-02	6.37E-06	2.50E-06	4.04E-02	6.36E-06	2.50E-06
1330	490786.56, 3859749.39	5.07E-02	7.99E-06	3.14E-06	5.18E-02	8.16E-06	3.20E-06	5.17E-02	8.15E-06	3.20E-06
1331	490836.56, 3859749.39	4.38E-02	6.90E-06	2.71E-06	4.47E-02	7.05E-06	2.77E-06	4.47E-02	7.04E-06	2.76E-06
1332	490786.56, 3859799.39	7.95E-02	1.25E-05	4.92E-06	8.12E-02	1.28E-05	5.02E-06	8.11E-02	1.28E-05	5.02E-06
1333	490836.56, 3859799.39	6.54E-02	1.03E-05	4.05E-06	6.67E-02	1.05E-05	4.13E-06	6.66E-02	1.05E-05	4.12E-06
1334	492307.84, 3854508.36	9.82E-04	1.55E-07	6.08E-08	1.00E-03	1.58E-07	6.20E-08	1.00E-03	1.58E-07	6.20E-08
1335	486445.7, 3854753.6	1.22E-03	1.93E-07	7.58E-08	1.25E-03	1.97E-07	7.73E-08	1.25E-03	1.97E-07	7.72E-08
1336	472599.75, 3877830.11	7.87E-05	1.24E-08	4.87E-09	8.03E-05	1.26E-08	4.97E-09	8.02E-05	1.26E-08	4.96E-09
1337	493107.48, 3866840.19	2.02E-04	3.18E-08	1.25E-08	2.06E-04	3.25E-08	1.28E-08	2.06E-04	3.25E-08	1.28E-08
1338	495815.8, 3861662.87	1.24E-03	1.96E-07	7.70E-08	1.27E-03	2.00E-07	7.86E-08	1.27E-03	2.00E-07	7.85E-08
1339	480272.33, 3841389.2	4.48E-05	7.06E-09	2.77E-09	4.57E-05	7.20E-09	2.83E-09	4.56E-05	7.19E-09	2.83E-09
1340	497005.18, 3862813.64	6.96E-04	1.10E-07	4.31E-08	7.10E-04	1.12E-07	4.40E-08	7.09E-04	1.12E-07	4.39E-08
1341	493677.33, 3860302.55	5.30E-03	8.34E-07	3.28E-07	5.40E-03	8.51E-07	3.34E-07	5.40E-03	8.50E-07	3.34E-07
1342	493727.33, 3860302.55	5.16E-03	8.13E-07	3.19E-07	5.26E-03	8.29E-07	3.26E-07	5.26E-03	8.28E-07	3.25E-07
1343	493777.33, 3860302.55	5.02E-03	7.91E-07	3.11E-07	5.13E-03	8.07E-07	3.17E-07	5.12E-03	8.06E-07	3.17E-07
1344	493827.33, 3860302.55	4.89E-03	7.71E-07	3.03E-07	4.99E-03	7.87E-07	3.09E-07	4.99E-03	7.86E-07	3.09E-07
1345	493877.33, 3860302.55	4.78E-03	7.53E-07	2.96E-07	4.88E-03	7.68E-07	3.02E-07	4.87E-03	7.67E-07	3.02E-07
1346	493927.33, 3860302.55	4.67E-03	7.36E-07	2.89E-07	4.77E-03	7.51E-07	2.95E-07	4.76E-03	7.50E-07	2.95E-07
1347	493977.33, 3860302.55	4.53E-03	7.14E-07	2.81E-07	4.63E-03	7.29E-07	2.86E-07	4.62E-03	7.28E-07	2.86E-07
1348	494027.33, 3860302.55	4.41E-03	6.96E-07	2.73E-07	4.51E-03	7.10E-07	2.79E-07	4.50E-03	7.09E-07	2.78E-07
1349	493677.33, 3860352.55	5.22E-03	8.22E-07	3.23E-07	5.33E-03	8.39E-07	3.30E-07	5.32E-03	8.38E-07	3.29E-07
1350	493727.33, 3860352.55	5.09E-03	8.02E-07	3.15E-07	5.19E-03	8.18E-07	3.21E-07	5.19E-03	8.17E-07	3.21E-07
1351	493777.33, 3860352.55	4.96E-03	7.82E-07	3.07E-07	5.07E-03	7.98E-07	3.13E-07	5.06E-03	7.97E-07	3.13E-07
1352	493827.33, 3860352.55	4.84E-03	7.63E-07	3.00E-07	4.94E-03	7.79E-07	3.06E-07	4.94E-03	7.78E-07	3.05E-07
1353	493877.33, 3860352.55	4.72E-03	7.44E-07	2.92E-07	4.82E-03	7.59E-07	2.98E-07	4.81E-03	7.58E-07	2.98E-07
1354	493927.33, 3860352.55	4.60E-03	7.25E-07	2.85E-07	4.70E-03	7.40E-07	2.91E-07	4.69E-03	7.39E-07	2.90E-07
1355	493977.33, 3860352.55	4.48E-03	7.06E-07	2.77E-07	4.57E-03	7.20E-07	2.83E-07	4.57E-03	7.19E-07	2.83E-07
1356	494027.33, 3860352.55	4.38E-03	6.90E-07	2.71E-07	4.47E-03	7.04E-07	2.77E-07	4.46E-03	7.03E-07	2.76E-07
1357	493677.33, 3860402.55	5.13E-03	8.08E-07	3.18E-07	5.24E-03	8.25E-07	3.24E-07	5.23E-03	8.24E-07	3.24E-07
1358	493727.33, 3860402.55	5.00E-03	7.88E-07	3.10E-07	5.10E-03	8.04E-07	3.16E-07	5.10E-03	8.03E-07	3.16E-07
1359	493777.33, 3860402.55	4.86E-03	7.66E-07	3.01E-07	4.96E-03	7.82E-07	3.07E-07	4.96E-03	7.81E-07	3.07E-07
1360	493827.33, 3860402.55	4.75E-03	7.49E-07	2.94E-07	4.85E-03	7.64E-07	3.00E-07	4.84E-03	7.63E-07	3.00E-07
1361	493877.33, 3860402.55	4.64E-03	7.31E-07	2.87E-07	4.73E-03	7.46E-07	2.93E-07	4.73E-03	7.45E-07	2.93E-07
1362	493927.33, 3860402.55	4.52E-03	7.12E-07	2.80E-07	4.61E-03	7.27E-07	2.85E-07	4.61E-03	7.26E-07	2.85E-07
1363	493977.33, 3860402.55	4.40E-03	6.94E-07	2.73E-07	4.49E-03	7.08E-07	2.78E-07	4.49E-03	7.07E-07	2.78E-07
1364	494027.33, 3860402.55	4.31E-03	6.79E-07	2.67E-07	4.40E-03	6.93E-07	2.72E-07	4.39E-03	6.92E-07	2.72E-07
1365	493677.33, 3860452.55	5.01E-03	7.89E-07	3.10E-07	5.11E-03	8.05E-07	3.16E-07	5.10E-03	8.04E-07	3.16E-07
1366	493727.33, 3860452.55	4.89E-03	7.71E-07	3.03E-07	4.99E-03	7.87E-07	3.09E-07	4.99E-03	7.86E-07	3.09E-07
1367	493777.33, 3860452.55	4.77E-03	7.52E-07	2.95E-07	4.87E-03	7.67E-07	3.01E-07	4.86E-03	7.66E-07	3.01E-07
1368	493827.33, 3860452.55	4.65E-03	7.33E-07	2.88E-07	4.75E-03	7.48E-07	2.94E-07	4.74E-03	7.47E-07	2.93E-07
1369	493877.33, 3860452.55	4.54E-03	7.15E-07	2.81E-07	4.63E-03	7.29E-07	2.87E-07	4.62E-03	7.28E-07	2.86E-07
1370	493927.33, 3860452.55	4.42E-03	6.96E-07	2.73E-07	4.51E-03	7.10E-07	2.79E-07	4.50E-03	7.09E-07	2.79E-07
1371	493977.33, 3860452.55	4.32E-03	6.80E-07	2.67E-07	4.41E-03	6.94E-07	2.73E-07	4.40E-03	6.93E-07	2.72E-07
1372	494027.33, 3860452.55	4.22E-03	6.65E-07	2.61E-07	4.31E-03	6.79E-07	2.67E-07	4.30E-03	6.78E-07	2.66E-07
1373	493677.33, 3860502.55	4.87E-03	7.67E-07	3.01E-07	4.97E-03	7.83E-07	3.07E-07	4.96E-03	7.82E-07	3.07E-07
1374	493727.33, 3860502.55	4.75E-03	7.49E-07	2.94E-07	4.85E-03	7.64E-07	3.00E-07	4.84E-03	7.63E-07	3.00E-07
1375	493777.33, 3860502.55	4.64E-03	7.31E-07	2.87E-07	4.73E-03	7.46E-07	2.93E-07	4.73E-03	7.45E-07	2.93E-07
1376	493827.33, 3860502.55	4.53E-03	7.14E-07	2.80E-07	4.62E-03	7.28E-07	2.86E-07	4.62E-03	7.27E-07	2.86E-07
1377	493877.33, 3860502.55	4.42E-03	6.97E-07	2.74E-07	4.51E-03	7.11E-07	2.79E-07	4.51E-03	7.10E-07	2.79E-07
1378	493927.33, 3860502.55	4.32E-03	6.80E-07	2.67E-07	4.40E-03	6.94E-07	2.73E-07	4.40E-03	6.93E-07	2.72E-07
1379	493977.33, 3860502.55	4.22E-03	6.65E-07	2.61E-07	4.31E-03	6.79E-07	2.67E-07	4.30E-03	6.78E-07	2.66E-07
1380	494027.33, 3860502.55	4.13E-03	6.50E-07	2.56E-07	4.21E-03	6.64E-07	2.61E-07	4.21E-03	6.63E-07	2.60E-07
1381	493627.33, 3860552.55	4.83E-03	7.61E-07	2.99E-07	4.93E-03	7.76E-07	3.05E-07	4.92E-03	7.75E-07	3.05E-07
1382	493677.33, 3860552.55	4.71E-03	7.42E-07	2.92E-07	4.81E-03	7.57E-07	2.97E-07	4.80E-03	7.56E-07	2.97E-07

1383	493727.33, 3860552.55	4.60E-03	7.24E-07	2.85E-07	4.69E-03	7.39E-07	2.90E-07	4.69E-03	7.38E-07	2.90E-07
1384	493777.33, 3860552.55	4.49E-03	7.08E-07	2.78E-07	4.58E-03	7.22E-07	2.84E-07	4.58E-03	7.21E-07	2.83E-07
1385	493827.33, 3860552.55	4.39E-03	6.92E-07	2.72E-07	4.48E-03	7.06E-07	2.77E-07	4.48E-03	7.05E-07	2.77E-07
1386	493877.33, 3860552.55	4.29E-03	6.76E-07	2.66E-07	4.38E-03	6.90E-07	2.71E-07	4.38E-03	6.89E-07	2.71E-07
1387	493927.33, 3860552.55	4.20E-03	6.62E-07	2.60E-07	4.28E-03	6.75E-07	2.65E-07	4.28E-03	6.74E-07	2.65E-07
1388	493977.33, 3860552.55	4.11E-03	6.47E-07	2.54E-07	4.19E-03	6.60E-07	2.59E-07	4.19E-03	6.59E-07	2.59E-07
1389	494027.33, 3860552.55	4.02E-03	6.33E-07	2.49E-07	4.10E-03	6.46E-07	2.54E-07	4.10E-03	6.46E-07	2.54E-07
1390	493627.33, 3860602.55	4.64E-03	7.32E-07	2.87E-07	4.74E-03	7.47E-07	2.93E-07	4.73E-03	7.46E-07	2.93E-07
1391	493727.33, 3860602.55	4.42E-03	6.96E-07	2.73E-07	4.51E-03	7.10E-07	2.79E-07	4.50E-03	7.10E-07	2.79E-07
1392	493777.33, 3860602.55	4.33E-03	6.82E-07	2.68E-07	4.42E-03	6.96E-07	2.73E-07	4.41E-03	6.95E-07	2.73E-07
1393	493827.33, 3860602.55	4.24E-03	6.67E-07	2.62E-07	4.32E-03	6.81E-07	2.67E-07	4.32E-03	6.80E-07	2.67E-07
1394	493877.33, 3860602.55	4.15E-03	6.54E-07	2.57E-07	4.24E-03	6.67E-07	2.62E-07	4.23E-03	6.66E-07	2.62E-07
1395	493927.33, 3860602.55	4.06E-03	6.40E-07	2.52E-07	4.15E-03	6.53E-07	2.57E-07	4.14E-03	6.53E-07	2.56E-07
1396	493977.33, 3860602.55	3.98E-03	6.27E-07	2.46E-07	4.06E-03	6.40E-07	2.51E-07	4.06E-03	6.39E-07	2.51E-07
1397	494027.33, 3860602.55	3.90E-03	6.15E-07	2.41E-07	3.98E-03	6.27E-07	2.46E-07	3.98E-03	6.26E-07	2.46E-07
1398	493627.33, 3860652.55	4.45E-03	7.01E-07	2.75E-07	4.54E-03	7.15E-07	2.81E-07	4.53E-03	7.14E-07	2.81E-07
1399	493727.33, 3860652.55	4.24E-03	6.68E-07	2.62E-07	4.32E-03	6.81E-07	2.68E-07	4.32E-03	6.81E-07	2.67E-07
1400	493777.33, 3860652.55	4.15E-03	6.54E-07	2.57E-07	4.24E-03	6.67E-07	2.62E-07	4.23E-03	6.67E-07	2.62E-07
1401	493827.33, 3860652.55	4.07E-03	6.42E-07	2.52E-07	4.16E-03	6.55E-07	2.57E-07	4.15E-03	6.54E-07	2.57E-07
1402	493877.33, 3860652.55	3.99E-03	6.29E-07	2.47E-07	4.08E-03	6.42E-07	2.52E-07	4.07E-03	6.41E-07	2.52E-07
1403	493927.33, 3860652.55	3.92E-03	6.17E-07	2.42E-07	4.00E-03	6.30E-07	2.47E-07	3.99E-03	6.29E-07	2.47E-07
1404	493977.33, 3860652.55	3.84E-03	6.05E-07	2.38E-07	3.92E-03	6.17E-07	2.43E-07	3.91E-03	6.17E-07	2.42E-07
1405	494027.33, 3860652.55	3.77E-03	5.94E-07	2.33E-07	3.85E-03	6.06E-07	2.38E-07	3.84E-03	6.06E-07	2.38E-07
1406	494311.06, 3858401.99	9.74E-04	1.53E-07	6.03E-08	9.94E-04	1.57E-07	6.15E-08	9.93E-04	1.56E-07	6.14E-08
1407	494361.06, 3858401.99	9.63E-04	1.52E-07	5.96E-08	9.82E-04	1.55E-07	6.08E-08	9.81E-04	1.55E-07	6.07E-08
1408	494411.06, 3858401.99	9.56E-04	1.51E-07	5.91E-08	9.75E-04	1.54E-07	6.03E-08	9.74E-04	1.53E-07	6.03E-08
1409	494461.06, 3858401.99	9.54E-04	1.50E-07	5.90E-08	9.73E-04	1.53E-07	6.02E-08	9.72E-04	1.53E-07	6.01E-08
1410	494511.06, 3858401.99	9.46E-04	1.49E-07	5.85E-08	9.65E-04	1.52E-07	5.97E-08	9.64E-04	1.52E-07	5.97E-08
1411	494561.06, 3858401.99	9.43E-04	1.49E-07	5.84E-08	9.62E-04	1.52E-07	5.96E-08	9.61E-04	1.51E-07	5.95E-08
1412	494611.06, 3858401.99	9.35E-04	1.47E-07	5.78E-08	9.54E-04	1.50E-07	5.90E-08	9.53E-04	1.50E-07	5.90E-08
1413	494661.06, 3858401.99	9.28E-04	1.46E-07	5.74E-08	9.47E-04	1.49E-07	5.86E-08	9.46E-04	1.49E-07	5.85E-08
1414	494711.06, 3858401.99	9.16E-04	1.44E-07	5.67E-08	9.35E-04	1.47E-07	5.79E-08	9.34E-04	1.47E-07	5.78E-08
1415	494761.06, 3858401.99	9.11E-04	1.44E-07	5.64E-08	9.30E-04	1.47E-07	5.76E-08	9.29E-04	1.46E-07	5.75E-08
1416	494811.06, 3858401.99	9.03E-04	1.42E-07	5.59E-08	9.21E-04	1.45E-07	5.70E-08	9.20E-04	1.45E-07	5.69E-08
1417	494861.06, 3858401.99	8.95E-04	1.41E-07	5.54E-08	9.13E-04	1.44E-07	5.65E-08	9.12E-04	1.44E-07	5.64E-08
1418	494911.06, 3858401.99	8.87E-04	1.40E-07	5.49E-08	9.05E-04	1.43E-07	5.60E-08	9.04E-04	1.42E-07	5.60E-08
1419	494961.06, 3858401.99	8.79E-04	1.38E-07	5.44E-08	8.97E-04	1.41E-07	5.55E-08	8.96E-04	1.41E-07	5.54E-08
1420	495011.06, 3858401.99	8.67E-04	1.37E-07	5.37E-08	8.85E-04	1.39E-07	5.48E-08	8.84E-04	1.39E-07	5.47E-08
1421	495061.06, 3858401.99	8.59E-04	1.35E-07	5.32E-08	8.76E-04	1.38E-07	5.42E-08	8.75E-04	1.38E-07	5.42E-08
1422	495111.06, 3858401.99	8.42E-04	1.33E-07	5.21E-08	8.59E-04	1.35E-07	5.32E-08	8.58E-04	1.35E-07	5.31E-08
1423	495161.06, 3858401.99	8.39E-04	1.32E-07	5.19E-08	8.56E-04	1.35E-07	5.30E-08	8.55E-04	1.35E-07	5.29E-08
1424	495211.06, 3858401.99	8.24E-04	1.30E-07	5.10E-08	8.41E-04	1.32E-07	5.20E-08	8.40E-04	1.32E-07	5.20E-08
1425	495261.06, 3858401.99	8.16E-04	1.29E-07	5.05E-08	8.33E-04	1.31E-07	5.15E-08	8.32E-04	1.31E-07	5.15E-08
1426	495311.06, 3858401.99	8.07E-04	1.27E-07	5.00E-08	8.24E-04	1.30E-07	5.10E-08	8.23E-04	1.30E-07	5.09E-08
1427	495361.06, 3858401.99	8.01E-04	1.26E-07	4.96E-08	8.18E-04	1.29E-07	5.06E-08	8.17E-04	1.29E-07	5.06E-08
1428	495411.06, 3858401.99	7.98E-04	1.26E-07	4.94E-08	8.15E-04	1.28E-07	5.04E-08	8.14E-04	1.28E-07	5.04E-08
1429	495461.06, 3858401.99	7.96E-04	1.25E-07	4.93E-08	8.12E-04	1.28E-07	5.03E-08	8.11E-04	1.28E-07	5.02E-08
1430	495511.06, 3858401.99	7.93E-04	1.25E-07	4.91E-08	8.09E-04	1.27E-07	5.01E-08	8.08E-04	1.27E-07	5.00E-08
1431	495561.06, 3858401.99	7.83E-04	1.23E-07	4.84E-08	7.99E-04	1.26E-07	4.94E-08	7.98E-04	1.26E-07	4.94E-08
1432	495611.06, 3858401.99	7.79E-04	1.23E-07	4.82E-08	7.95E-04	1.25E-07	4.92E-08	7.94E-04	1.25E-07	4.92E-08
1433	495661.06, 3858401.99	7.85E-04	1.24E-07	4.86E-08	8.01E-04	1.26E-07	4.96E-08	8.00E-04	1.26E-07	4.95E-08
1434	494311.06, 3858451.99	1.03E-03	1.62E-07	6.36E-08	1.05E-03	1.65E-07	6.49E-08	1.05E-03	1.65E-07	6.48E-08
1435	494361.06, 3858451.99	1.02E-03	1.60E-07	6.30E-08	1.04E-03	1.64E-07	6.43E-08	1.04E-03	1.63E-07	6.42E-08
1436	494411.06, 3858451.99	1.01E-03	1.59E-07	6.25E-08	1.03E-03	1.62E-07	6.38E-08	1.03E-03	1.62E-07	6.37E-08
1437	494461.06, 3858451.99	1.00E-03	1.58E-07	6.21E-08	1.02E-03	1.61E-07	6.34E-08	1.02E-03	1.61E-07	6.33E-08
1438	494511.06, 3858451.99	1.00E-03	1.58E-07	6.19E-08	1.02E-03	1.61E-07	6.32E-08	1.02E-03	1.61E-07	6.31E-08
1439	494561.06, 3858451.99	9.92E-04	1.56E-07	6.14E-08	1.01E-03	1.59E-07	6.26E-08	1.01E-03	1.59E-07	6.25E-08
1440	494611.06, 3858451.99	9.85E-04	1.55E-07	6.09E-08	1.00E-03	1.58E-07	6.22E-08	1.00E-03	1.58E-07	6.21E-08
1441	494661.06, 3858451.99	9.78E-04	1.54E-07	6.05E-08	9.98E-04	1.57E-07	6.17E-08	9.96E-04	1.57E-07	6.17E-08
1442	494711.06, 3858451.99	9.67E-04	1.52E-07	5.99E-08	9.87E-04	1.56E-07	6.11E-08	9.86E-04	1.55E-07	6.10E-08
1443	494761.06, 3858451.99	9.57E-04	1.51E-07	5.92E-08	9.76E-04	1.54E-07	6.04E-08	9.75E-04	1.54E-07	6.04E-08
1444	494811.06, 3858451.99	9.49E-04	1.49E-07	5.87E-08	9.68E-04	1.52E-07	5.99E-08	9.67E-04	1.52E-07	5.98E-08
1445	494861.06, 3858451.99	9.39E-04	1.48E-07	5.81E-08	9.58E-04	1.51E-07	5.93E-08	9.57E-04	1.51E-07	5.92E-08

1446	494911.06, 3858451.99	9.25E-04	1.46E-07	5.72E-08	9.44E-04	1.49E-07	5.84E-08	9.43E-04	1.49E-07	5.83E-08
1447	494961.06, 3858451.99	9.16E-04	1.44E-07	5.67E-08	9.35E-04	1.47E-07	5.79E-08	9.34E-04	1.47E-07	5.78E-08
1448	495011.06, 3858451.99	9.03E-04	1.42E-07	5.59E-08	9.22E-04	1.45E-07	5.71E-08	9.21E-04	1.45E-07	5.70E-08
1449	495061.06, 3858451.99	8.98E-04	1.41E-07	5.56E-08	9.16E-04	1.44E-07	5.67E-08	9.15E-04	1.44E-07	5.66E-08
1450	495111.06, 3858451.99	8.85E-04	1.39E-07	5.48E-08	9.04E-04	1.42E-07	5.59E-08	9.02E-04	1.42E-07	5.59E-08
1451	495161.06, 3858451.99	8.71E-04	1.37E-07	5.39E-08	8.89E-04	1.40E-07	5.50E-08	8.88E-04	1.40E-07	5.50E-08
1452	495211.06, 3858451.99	8.59E-04	1.35E-07	5.31E-08	8.76E-04	1.38E-07	5.42E-08	8.75E-04	1.38E-07	5.42E-08
1453	495261.06, 3858451.99	8.50E-04	1.34E-07	5.26E-08	8.67E-04	1.37E-07	5.37E-08	8.66E-04	1.36E-07	5.36E-08
1454	495311.06, 3858451.99	8.43E-04	1.33E-07	5.22E-08	8.61E-04	1.36E-07	5.33E-08	8.60E-04	1.35E-07	5.32E-08
1455	495361.06, 3858451.99	8.37E-04	1.32E-07	5.18E-08	8.55E-04	1.35E-07	5.29E-08	8.54E-04	1.34E-07	5.28E-08
1456	495411.06, 3858451.99	8.34E-04	1.31E-07	5.16E-08	8.52E-04	1.34E-07	5.27E-08	8.51E-04	1.34E-07	5.26E-08
1457	495461.06, 3858451.99	8.32E-04	1.31E-07	5.15E-08	8.49E-04	1.34E-07	5.26E-08	8.48E-04	1.34E-07	5.25E-08
1458	495511.06, 3858451.99	8.25E-04	1.30E-07	5.11E-08	8.42E-04	1.33E-07	5.21E-08	8.41E-04	1.32E-07	5.20E-08
1459	495561.06, 3858451.99	8.26E-04	1.30E-07	5.11E-08	8.43E-04	1.33E-07	5.21E-08	8.42E-04	1.33E-07	5.21E-08
1460	495611.06, 3858451.99	8.17E-04	1.29E-07	5.06E-08	8.33E-04	1.31E-07	5.16E-08	8.33E-04	1.31E-07	5.15E-08
1461	495661.06, 3858451.99	8.15E-04	1.28E-07	5.05E-08	8.32E-04	1.31E-07	5.15E-08	8.31E-04	1.31E-07	5.14E-08
1462	494311.06, 3858501.99	1.07E-03	1.68E-07	6.61E-08	1.09E-03	1.72E-07	6.75E-08	1.09E-03	1.72E-07	6.74E-08
1463	494361.06, 3858501.99	1.06E-03	1.67E-07	6.58E-08	1.08E-03	1.71E-07	6.71E-08	1.08E-03	1.71E-07	6.70E-08
1464	494411.06, 3858501.99	1.06E-03	1.66E-07	6.53E-08	1.08E-03	1.70E-07	6.67E-08	1.08E-03	1.69E-07	6.66E-08
1465	494461.06, 3858501.99	1.05E-03	1.66E-07	6.51E-08	1.07E-03	1.69E-07	6.64E-08	1.07E-03	1.69E-07	6.63E-08
1466	494511.06, 3858501.99	1.04E-03	1.64E-07	6.44E-08	1.06E-03	1.67E-07	6.57E-08	1.06E-03	1.67E-07	6.56E-08
1467	494561.06, 3858501.99	1.04E-03	1.64E-07	6.46E-08	1.06E-03	1.68E-07	6.59E-08	1.06E-03	1.68E-07	6.58E-08
1468	494611.06, 3858501.99	1.03E-03	1.63E-07	6.40E-08	1.06E-03	1.66E-07	6.53E-08	1.05E-03	1.66E-07	6.52E-08
1469	494661.06, 3858501.99	1.03E-03	1.62E-07	6.37E-08	1.05E-03	1.65E-07	6.50E-08	1.05E-03	1.65E-07	6.49E-08
1470	494711.06, 3858501.99	1.02E-03	1.60E-07	6.30E-08	1.04E-03	1.64E-07	6.43E-08	1.04E-03	1.63E-07	6.42E-08
1471	494761.06, 3858501.99	1.00E-03	1.58E-07	6.22E-08	1.03E-03	1.61E-07	6.34E-08	1.02E-03	1.61E-07	6.34E-08
1472	494811.06, 3858501.99	9.92E-04	1.56E-07	6.14E-08	1.01E-03	1.60E-07	6.27E-08	1.01E-03	1.59E-07	6.26E-08
1473	494861.06, 3858501.99	9.84E-04	1.55E-07	6.09E-08	1.00E-03	1.58E-07	6.22E-08	1.00E-03	1.58E-07	6.21E-08
1474	494911.06, 3858501.99	9.67E-04	1.52E-07	5.99E-08	9.87E-04	1.55E-07	6.11E-08	9.86E-04	1.55E-07	6.10E-08
1475	494961.06, 3858501.99	9.59E-04	1.51E-07	5.93E-08	9.78E-04	1.54E-07	6.05E-08	9.77E-04	1.54E-07	6.05E-08
1476	495011.06, 3858501.99	9.44E-04	1.49E-07	5.84E-08	9.63E-04	1.52E-07	5.96E-08	9.62E-04	1.51E-07	5.95E-08
1477	495061.06, 3858501.99	9.38E-04	1.48E-07	5.80E-08	9.57E-04	1.51E-07	5.92E-08	9.56E-04	1.51E-07	5.91E-08
1478	495111.06, 3858501.99	9.18E-04	1.45E-07	5.68E-08	9.37E-04	1.48E-07	5.80E-08	9.36E-04	1.47E-07	5.79E-08
1479	495161.06, 3858501.99	9.06E-04	1.43E-07	5.61E-08	9.25E-04	1.46E-07	5.72E-08	9.24E-04	1.46E-07	5.72E-08
1480	495211.06, 3858501.99	8.95E-04	1.41E-07	5.54E-08	9.13E-04	1.44E-07	5.65E-08	9.12E-04	1.44E-07	5.64E-08
1481	495261.06, 3858501.99	8.86E-04	1.40E-07	5.48E-08	9.04E-04	1.42E-07	5.60E-08	9.03E-04	1.42E-07	5.59E-08
1482	495311.06, 3858501.99	8.81E-04	1.39E-07	5.45E-08	8.99E-04	1.42E-07	5.56E-08	8.98E-04	1.41E-07	5.56E-08
1483	495361.06, 3858501.99	8.76E-04	1.38E-07	5.42E-08	8.94E-04	1.41E-07	5.53E-08	8.93E-04	1.41E-07	5.53E-08
1484	495411.06, 3858501.99	8.72E-04	1.37E-07	5.40E-08	8.90E-04	1.40E-07	5.51E-08	8.89E-04	1.40E-07	5.50E-08
1485	495461.06, 3858501.99	8.69E-04	1.37E-07	5.38E-08	8.87E-04	1.40E-07	5.49E-08	8.86E-04	1.40E-07	5.48E-08
1486	495511.06, 3858501.99	8.64E-04	1.36E-07	5.35E-08	8.82E-04	1.39E-07	5.46E-08	8.81E-04	1.39E-07	5.45E-08
1487	495561.06, 3858501.99	8.64E-04	1.36E-07	5.35E-08	8.82E-04	1.39E-07	5.46E-08	8.81E-04	1.39E-07	5.45E-08
1488	495611.06, 3858501.99	8.52E-04	1.34E-07	5.28E-08	8.70E-04	1.37E-07	5.38E-08	8.69E-04	1.37E-07	5.38E-08
1489	495661.06, 3858501.99	8.54E-04	1.35E-07	5.29E-08	8.72E-04	1.37E-07	5.39E-08	8.71E-04	1.37E-07	5.39E-08
1490	494311.06, 3858551.99	1.09E-03	1.72E-07	6.74E-08	1.11E-03	1.75E-07	6.88E-08	1.11E-03	1.75E-07	6.87E-08
1491	494361.06, 3858551.99	1.10E-03	1.73E-07	6.78E-08	1.12E-03	1.76E-07	6.92E-08	1.12E-03	1.76E-07	6.91E-08
1492	494411.06, 3858551.99	1.11E-03	1.75E-07	6.86E-08	1.13E-03	1.78E-07	7.00E-08	1.13E-03	1.78E-07	6.99E-08
1493	494461.06, 3858551.99	1.11E-03	1.74E-07	6.85E-08	1.13E-03	1.78E-07	6.99E-08	1.13E-03	1.78E-07	6.98E-08
1494	494511.06, 3858551.99	1.10E-03	1.74E-07	6.82E-08	1.12E-03	1.77E-07	6.96E-08	1.12E-03	1.77E-07	6.95E-08
1495	494561.06, 3858551.99	1.10E-03	1.73E-07	6.79E-08	1.12E-03	1.76E-07	6.93E-08	1.12E-03	1.76E-07	6.92E-08
1496	494611.06, 3858551.99	1.09E-03	1.72E-07	6.74E-08	1.11E-03	1.75E-07	6.88E-08	1.11E-03	1.75E-07	6.87E-08
1497	494661.06, 3858551.99	1.08E-03	1.71E-07	6.70E-08	1.10E-03	1.74E-07	6.84E-08	1.10E-03	1.74E-07	6.83E-08
1498	494711.06, 3858551.99	1.07E-03	1.68E-07	6.62E-08	1.09E-03	1.72E-07	6.75E-08	1.09E-03	1.72E-07	6.74E-08
1499	494761.06, 3858551.99	1.06E-03	1.66E-07	6.53E-08	1.08E-03	1.70E-07	6.67E-08	1.08E-03	1.69E-07	6.66E-08
1500	494811.06, 3858551.99	1.05E-03	1.65E-07	6.47E-08	1.07E-03	1.68E-07	6.60E-08	1.07E-03	1.68E-07	6.59E-08
1501	494861.06, 3858551.99	1.03E-03	1.62E-07	6.38E-08	1.05E-03	1.66E-07	6.51E-08	1.05E-03	1.66E-07	6.51E-08
1502	494911.06, 3858551.99	1.02E-03	1.60E-07	6.28E-08	1.04E-03	1.63E-07	6.41E-08	1.03E-03	1.63E-07	6.40E-08
1503	494961.06, 3858551.99	1.00E-03	1.58E-07	6.21E-08	1.02E-03	1.61E-07	6.33E-08	1.02E-03	1.61E-07	6.33E-08
1504	495011.06, 3858551.99	9.87E-04	1.55E-07	6.11E-08	1.01E-03	1.59E-07	6.23E-08	1.01E-03	1.58E-07	6.22E-08
1505	495061.06, 3858551.99	9.77E-04	1.54E-07	6.04E-08	9.96E-04	1.57E-07	6.17E-08	9.95E-04	1.57E-07	6.16E-08
1506	495111.06, 3858551.99	9.57E-04	1.51E-07	5.92E-08	9.76E-04	1.54E-07	6.04E-08	9.75E-04	1.54E-07	6.04E-08
1507	495161.06, 3858551.99	9.44E-04	1.49E-07	5.84E-08	9.63E-04	1.52E-07	5.96E-08	9.62E-04	1.52E-07	5.96E-08
1508	495211.06, 3858551.99	9.33E-04	1.47E-07	5.77E-08	9.52E-04	1.50E-07	5.89E-08	9.51E-04	1.50E-07	5.88E-08

1509	495261.06, 3858551.99	9.24E-04	1.46E-07	5.72E-08	9.43E-04	1.49E-07	5.84E-08	9.42E-04	1.48E-07	5.83E-08
1510	495311.06, 3858551.99	9.20E-04	1.45E-07	5.70E-08	9.39E-04	1.48E-07	5.81E-08	9.38E-04	1.48E-07	5.80E-08
1511	495361.06, 3858551.99	9.15E-04	1.44E-07	5.66E-08	9.34E-04	1.47E-07	5.78E-08	9.33E-04	1.47E-07	5.77E-08
1512	495411.06, 3858551.99	9.12E-04	1.44E-07	5.65E-08	9.31E-04	1.47E-07	5.76E-08	9.30E-04	1.46E-07	5.75E-08
1513	495461.06, 3858551.99	9.08E-04	1.43E-07	5.62E-08	9.26E-04	1.46E-07	5.73E-08	9.25E-04	1.46E-07	5.73E-08
1514	495511.06, 3858551.99	9.05E-04	1.43E-07	5.60E-08	9.24E-04	1.46E-07	5.72E-08	9.23E-04	1.45E-07	5.71E-08
1515	495561.06, 3858551.99	9.00E-04	1.42E-07	5.57E-08	9.19E-04	1.45E-07	5.69E-08	9.18E-04	1.45E-07	5.68E-08
1516	495611.06, 3858551.99	8.95E-04	1.41E-07	5.54E-08	9.13E-04	1.44E-07	5.65E-08	9.12E-04	1.44E-07	5.64E-08
1517	495661.06, 3858551.99	8.88E-04	1.40E-07	5.50E-08	9.07E-04	1.43E-07	5.61E-08	9.05E-04	1.43E-07	5.60E-08
1518	494311.06, 3858601.99	1.09E-03	1.72E-07	6.76E-08	1.11E-03	1.76E-07	6.90E-08	1.11E-03	1.75E-07	6.89E-08
1519	494361.06, 3858601.99	1.13E-03	1.78E-07	7.00E-08	1.15E-03	1.82E-07	7.14E-08	1.15E-03	1.82E-07	7.13E-08
1520	494411.06, 3858601.99	1.17E-03	1.84E-07	7.24E-08	1.19E-03	1.88E-07	7.38E-08	1.19E-03	1.88E-07	7.38E-08
1521	494461.06, 3858601.99	1.17E-03	1.84E-07	7.22E-08	1.19E-03	1.88E-07	7.37E-08	1.19E-03	1.87E-07	7.36E-08
1522	494511.06, 3858601.99	1.15E-03	1.82E-07	7.14E-08	1.18E-03	1.85E-07	7.28E-08	1.18E-03	1.85E-07	7.27E-08
1523	494561.06, 3858601.99	1.16E-03	1.82E-07	7.16E-08	1.18E-03	1.86E-07	7.31E-08	1.18E-03	1.86E-07	7.30E-08
1524	494611.06, 3858601.99	1.15E-03	1.81E-07	7.09E-08	1.17E-03	1.84E-07	7.24E-08	1.17E-03	1.84E-07	7.23E-08
1525	494661.06, 3858601.99	1.14E-03	1.79E-07	7.04E-08	1.16E-03	1.83E-07	7.18E-08	1.16E-03	1.83E-07	7.17E-08
1526	494711.06, 3858601.99	1.12E-03	1.77E-07	6.96E-08	1.15E-03	1.81E-07	7.10E-08	1.15E-03	1.80E-07	7.09E-08
1527	494761.06, 3858601.99	1.11E-03	1.75E-07	6.87E-08	1.13E-03	1.78E-07	7.01E-08	1.13E-03	1.78E-07	7.00E-08
1528	494811.06, 3858601.99	1.09E-03	1.72E-07	6.74E-08	1.11E-03	1.75E-07	6.88E-08	1.11E-03	1.75E-07	6.87E-08
1529	494861.06, 3858601.99	1.08E-03	1.70E-07	6.68E-08	1.10E-03	1.73E-07	6.81E-08	1.10E-03	1.73E-07	6.80E-08
1530	494911.06, 3858601.99	1.06E-03	1.67E-07	6.56E-08	1.08E-03	1.70E-07	6.69E-08	1.08E-03	1.70E-07	6.68E-08
1531	494961.06, 3858601.99	1.05E-03	1.65E-07	6.47E-08	1.07E-03	1.68E-07	6.60E-08	1.07E-03	1.68E-07	6.60E-08
1532	495011.06, 3858601.99	1.03E-03	1.63E-07	6.38E-08	1.05E-03	1.66E-07	6.51E-08	1.05E-03	1.66E-07	6.51E-08
1533	495061.06, 3858601.99	1.02E-03	1.60E-07	6.29E-08	1.04E-03	1.63E-07	6.42E-08	1.04E-03	1.63E-07	6.41E-08
1534	495111.06, 3858601.99	9.95E-04	1.57E-07	6.16E-08	1.02E-03	1.60E-07	6.28E-08	1.01E-03	1.60E-07	6.27E-08
1535	495161.06, 3858601.99	9.83E-04	1.55E-07	6.08E-08	1.00E-03	1.58E-07	6.21E-08	1.00E-03	1.58E-07	6.20E-08
1536	495211.06, 3858601.99	9.75E-04	1.54E-07	6.03E-08	9.95E-04	1.57E-07	6.16E-08	9.93E-04	1.57E-07	6.15E-08
1537	495261.06, 3858601.99	9.66E-04	1.52E-07	5.98E-08	9.85E-04	1.55E-07	6.10E-08	9.84E-04	1.55E-07	6.09E-08
1538	495311.06, 3858601.99	9.59E-04	1.51E-07	5.93E-08	9.78E-04	1.54E-07	6.06E-08	9.77E-04	1.54E-07	6.05E-08
1539	495361.06, 3858601.99	9.54E-04	1.50E-07	5.91E-08	9.74E-04	1.53E-07	6.03E-08	9.73E-04	1.53E-07	6.02E-08
1540	495411.06, 3858601.99	9.50E-04	1.50E-07	5.88E-08	9.70E-04	1.53E-07	6.00E-08	9.69E-04	1.53E-07	5.99E-08
1541	495461.06, 3858601.99	9.47E-04	1.49E-07	5.86E-08	9.66E-04	1.52E-07	5.98E-08	9.65E-04	1.52E-07	5.97E-08
1542	495511.06, 3858601.99	9.39E-04	1.48E-07	5.81E-08	9.58E-04	1.51E-07	5.93E-08	9.57E-04	1.51E-07	5.92E-08
1543	495561.06, 3858601.99	9.37E-04	1.48E-07	5.80E-08	9.56E-04	1.51E-07	5.92E-08	9.55E-04	1.50E-07	5.91E-08
1544	495611.06, 3858601.99	9.28E-04	1.46E-07	5.74E-08	9.47E-04	1.49E-07	5.86E-08	9.46E-04	1.49E-07	5.85E-08
1545	495661.06, 3858601.99	9.25E-04	1.46E-07	5.72E-08	9.44E-04	1.49E-07	5.84E-08	9.43E-04	1.49E-07	5.83E-08
1546	494311.06, 3858651.99	1.13E-03	1.77E-07	6.97E-08	1.15E-03	1.81E-07	7.11E-08	1.15E-03	1.81E-07	7.10E-08
1547	494361.06, 3858651.99	1.16E-03	1.83E-07	7.20E-08	1.19E-03	1.87E-07	7.35E-08	1.19E-03	1.87E-07	7.34E-08
1548	494411.06, 3858651.99	1.21E-03	1.91E-07	7.52E-08	1.24E-03	1.95E-07	7.67E-08	1.24E-03	1.95E-07	7.66E-08
1549	494461.06, 3858651.99	1.23E-03	1.93E-07	7.59E-08	1.25E-03	1.97E-07	7.74E-08	1.25E-03	1.97E-07	7.74E-08
1550	494511.06, 3858651.99	1.22E-03	1.92E-07	7.54E-08	1.24E-03	1.96E-07	7.70E-08	1.24E-03	1.96E-07	7.69E-08
1551	494561.06, 3858651.99	1.21E-03	1.91E-07	7.52E-08	1.24E-03	1.95E-07	7.67E-08	1.24E-03	1.95E-07	7.66E-08
1552	494611.06, 3858651.99	1.21E-03	1.90E-07	7.47E-08	1.23E-03	1.94E-07	7.62E-08	1.23E-03	1.94E-07	7.61E-08
1553	494661.06, 3858651.99	1.19E-03	1.88E-07	7.39E-08	1.22E-03	1.92E-07	7.55E-08	1.22E-03	1.92E-07	7.54E-08
1554	494711.06, 3858651.99	1.18E-03	1.86E-07	7.29E-08	1.20E-03	1.89E-07	7.44E-08	1.20E-03	1.89E-07	7.43E-08
1555	494761.06, 3858651.99	1.17E-03	1.84E-07	7.21E-08	1.19E-03	1.87E-07	7.36E-08	1.19E-03	1.87E-07	7.35E-08
1556	494811.06, 3858651.99	1.15E-03	1.80E-07	7.09E-08	1.17E-03	1.84E-07	7.24E-08	1.17E-03	1.84E-07	7.23E-08
1557	494861.06, 3858651.99	1.13E-03	1.78E-07	6.98E-08	1.15E-03	1.81E-07	7.12E-08	1.15E-03	1.81E-07	7.11E-08
1558	494911.06, 3858651.99	1.11E-03	1.75E-07	6.86E-08	1.13E-03	1.78E-07	7.00E-08	1.13E-03	1.78E-07	6.99E-08
1559	494961.06, 3858651.99	1.09E-03	1.72E-07	6.75E-08	1.11E-03	1.75E-07	6.88E-08	1.11E-03	1.75E-07	6.88E-08
1560	495011.06, 3858651.99	1.08E-03	1.69E-07	6.66E-08	1.10E-03	1.73E-07	6.79E-08	1.10E-03	1.73E-07	6.79E-08
1561	495061.06, 3858651.99	1.06E-03	1.67E-07	6.56E-08	1.08E-03	1.70E-07	6.69E-08	1.08E-03	1.70E-07	6.68E-08
1562	495111.06, 3858651.99	1.04E-03	1.64E-07	6.44E-08	1.06E-03	1.67E-07	6.57E-08	1.06E-03	1.67E-07	6.57E-08
1563	495161.06, 3858651.99	1.03E-03	1.62E-07	6.37E-08	1.05E-03	1.65E-07	6.50E-08	1.05E-03	1.65E-07	6.49E-08
1564	495211.06, 3858651.99	1.01E-03	1.60E-07	6.28E-08	1.04E-03	1.63E-07	6.41E-08	1.03E-03	1.63E-07	6.40E-08
1565	495261.06, 3858651.99	1.01E-03	1.59E-07	6.25E-08	1.03E-03	1.62E-07	6.38E-08	1.03E-03	1.62E-07	6.37E-08
1566	495311.06, 3858651.99	1.00E-03	1.58E-07	6.20E-08	1.02E-03	1.61E-07	6.33E-08	1.02E-03	1.61E-07	6.32E-08
1567	495361.06, 3858651.99	9.97E-04	1.57E-07	6.17E-08	1.02E-03	1.60E-07	6.30E-08	1.02E-03	1.60E-07	6.29E-08
1568	495411.06, 3858651.99	9.93E-04	1.56E-07	6.15E-08	1.01E-03	1.60E-07	6.27E-08	1.01E-03	1.59E-07	6.27E-08
1569	495461.06, 3858651.99	9.92E-04	1.56E-07	6.14E-08	1.01E-03	1.59E-07	6.26E-08	1.01E-03	1.59E-07	6.25E-08
1570	495511.06, 3858651.99	9.82E-04	1.55E-07	6.08E-08	1.00E-03	1.58E-07	6.20E-08	1.00E-03	1.58E-07	6.20E-08
1571	495561.06, 3858651.99	9.75E-04	1.54E-07	6.04E-08	9.95E-04	1.57E-07	6.16E-08	9.94E-04	1.57E-07	6.15E-08

1572	495611.06, 3858651.99	9.65E-04	1.52E-07	5.97E-08	9.84E-04	1.55E-07	6.09E-08	9.83E-04	1.55E-07	6.09E-08
1573	495661.06, 3858651.99	9.61E-04	1.51E-07	5.95E-08	9.81E-04	1.54E-07	6.07E-08	9.79E-04	1.54E-07	6.06E-08
1574	494311.06, 3858701.99	1.18E-03	1.86E-07	7.31E-08	1.21E-03	1.90E-07	7.46E-08	1.20E-03	1.90E-07	7.45E-08
1575	494361.06, 3858701.99	1.24E-03	1.95E-07	7.66E-08	1.26E-03	1.99E-07	7.82E-08	1.26E-03	1.99E-07	7.81E-08
1576	494411.06, 3858701.99	1.27E-03	2.01E-07	7.89E-08	1.30E-03	2.05E-07	8.05E-08	1.30E-03	2.05E-07	8.04E-08
1577	494461.06, 3858701.99	1.27E-03	2.01E-07	7.89E-08	1.30E-03	2.05E-07	8.05E-08	1.30E-03	2.05E-07	8.04E-08
1578	494511.06, 3858701.99	1.28E-03	2.02E-07	7.93E-08	1.31E-03	2.06E-07	8.09E-08	1.31E-03	2.06E-07	8.08E-08
1579	494561.06, 3858701.99	1.27E-03	2.01E-07	7.88E-08	1.30E-03	2.05E-07	8.04E-08	1.30E-03	2.04E-07	8.03E-08
1580	494611.06, 3858701.99	1.25E-03	1.97E-07	7.75E-08	1.28E-03	2.01E-07	7.90E-08	1.28E-03	2.01E-07	7.90E-08
1581	494661.06, 3858701.99	1.25E-03	1.97E-07	7.73E-08	1.28E-03	2.01E-07	7.89E-08	1.27E-03	2.01E-07	7.88E-08
1582	494711.06, 3858701.99	1.20E-03	1.90E-07	7.46E-08	1.23E-03	1.94E-07	7.61E-08	1.23E-03	1.93E-07	7.60E-08
1583	494761.06, 3858701.99	1.21E-03	1.91E-07	7.51E-08	1.24E-03	1.95E-07	7.66E-08	1.24E-03	1.95E-07	7.65E-08
1584	494811.06, 3858701.99	1.19E-03	1.88E-07	7.38E-08	1.22E-03	1.92E-07	7.53E-08	1.22E-03	1.91E-07	7.52E-08
1585	494861.06, 3858701.99	1.18E-03	1.85E-07	7.27E-08	1.20E-03	1.89E-07	7.42E-08	1.20E-03	1.89E-07	7.41E-08
1586	494911.06, 3858701.99	1.16E-03	1.83E-07	7.18E-08	1.18E-03	1.87E-07	7.33E-08	1.18E-03	1.86E-07	7.32E-08
1587	494961.06, 3858701.99	1.13E-03	1.78E-07	7.01E-08	1.16E-03	1.82E-07	7.15E-08	1.15E-03	1.82E-07	7.14E-08
1588	495011.06, 3858701.99	1.11E-03	1.76E-07	6.90E-08	1.14E-03	1.79E-07	7.04E-08	1.14E-03	1.79E-07	7.03E-08
1589	495061.06, 3858701.99	1.11E-03	1.74E-07	6.84E-08	1.13E-03	1.78E-07	6.98E-08	1.13E-03	1.77E-07	6.97E-08
1590	495111.06, 3858701.99	1.08E-03	1.71E-07	6.71E-08	1.11E-03	1.74E-07	6.85E-08	1.11E-03	1.74E-07	6.84E-08
1591	495161.06, 3858701.99	1.07E-03	1.69E-07	6.64E-08	1.10E-03	1.73E-07	6.78E-08	1.09E-03	1.72E-07	6.77E-08
1592	495211.06, 3858701.99	1.06E-03	1.67E-07	6.55E-08	1.08E-03	1.70E-07	6.68E-08	1.08E-03	1.70E-07	6.67E-08
1593	495261.06, 3858701.99	1.05E-03	1.66E-07	6.52E-08	1.08E-03	1.69E-07	6.65E-08	1.07E-03	1.69E-07	6.65E-08
1594	495311.06, 3858701.99	1.05E-03	1.65E-07	6.49E-08	1.07E-03	1.69E-07	6.62E-08	1.07E-03	1.68E-07	6.62E-08
1595	495361.06, 3858701.99	1.04E-03	1.64E-07	6.45E-08	1.06E-03	1.68E-07	6.58E-08	1.06E-03	1.67E-07	6.57E-08
1596	495411.06, 3858701.99	1.04E-03	1.64E-07	6.43E-08	1.06E-03	1.67E-07	6.56E-08	1.06E-03	1.67E-07	6.56E-08
1597	495461.06, 3858701.99	1.03E-03	1.63E-07	6.40E-08	1.05E-03	1.66E-07	6.53E-08	1.05E-03	1.66E-07	6.52E-08
1598	495511.06, 3858701.99	1.03E-03	1.62E-07	6.35E-08	1.05E-03	1.65E-07	6.48E-08	1.05E-03	1.65E-07	6.47E-08
1599	495561.06, 3858701.99	1.02E-03	1.60E-07	6.29E-08	1.04E-03	1.63E-07	6.42E-08	1.04E-03	1.63E-07	6.41E-08
1600	495611.06, 3858701.99	1.01E-03	1.59E-07	6.23E-08	1.03E-03	1.62E-07	6.36E-08	1.03E-03	1.62E-07	6.35E-08
1601	495661.06, 3858701.99	1.00E-03	1.58E-07	6.19E-08	1.02E-03	1.61E-07	6.31E-08	1.02E-03	1.61E-07	6.31E-08
1602	494311.06, 3858751.99	1.24E-03	1.95E-07	7.67E-08	1.26E-03	1.99E-07	7.83E-08	1.26E-03	1.99E-07	7.82E-08
1603	494361.06, 3858751.99	1.31E-03	2.07E-07	8.12E-08	1.34E-03	2.11E-07	8.28E-08	1.34E-03	2.11E-07	8.27E-08
1604	494411.06, 3858751.99	1.34E-03	2.11E-07	8.30E-08	1.37E-03	2.16E-07	8.47E-08	1.37E-03	2.15E-07	8.46E-08
1605	494461.06, 3858751.99	1.34E-03	2.11E-07	8.29E-08	1.37E-03	2.15E-07	8.46E-08	1.37E-03	2.15E-07	8.45E-08
1606	494511.06, 3858751.99	1.35E-03	2.13E-07	8.35E-08	1.38E-03	2.17E-07	8.52E-08	1.38E-03	2.17E-07	8.51E-08
1607	494561.06, 3858751.99	1.33E-03	2.09E-07	8.23E-08	1.36E-03	2.14E-07	8.39E-08	1.35E-03	2.13E-07	8.38E-08
1608	494611.06, 3858751.99	1.31E-03	2.07E-07	8.12E-08	1.34E-03	2.11E-07	8.29E-08	1.34E-03	2.11E-07	8.28E-08
1609	494661.06, 3858751.99	1.30E-03	2.04E-07	8.03E-08	1.32E-03	2.09E-07	8.19E-08	1.32E-03	2.08E-07	8.18E-08
1610	494711.06, 3858751.99	1.27E-03	2.00E-07	7.86E-08	1.30E-03	2.04E-07	8.02E-08	1.29E-03	2.04E-07	8.01E-08
1611	494761.06, 3858751.99	1.27E-03	2.00E-07	7.85E-08	1.29E-03	2.04E-07	8.01E-08	1.29E-03	2.04E-07	8.00E-08
1612	494811.06, 3858751.99	1.24E-03	1.96E-07	7.70E-08	1.27E-03	2.00E-07	7.86E-08	1.27E-03	2.00E-07	7.85E-08
1613	494861.06, 3858751.99	1.22E-03	1.93E-07	7.57E-08	1.25E-03	1.97E-07	7.72E-08	1.25E-03	1.96E-07	7.71E-08
1614	494911.06, 3858751.99	1.20E-03	1.89E-07	7.42E-08	1.22E-03	1.93E-07	7.58E-08	1.22E-03	1.93E-07	7.57E-08
1615	494961.06, 3858751.99	1.18E-03	1.86E-07	7.32E-08	1.21E-03	1.90E-07	7.47E-08	1.21E-03	1.90E-07	7.46E-08
1616	495011.06, 3858751.99	1.17E-03	1.84E-07	7.24E-08	1.19E-03	1.88E-07	7.39E-08	1.19E-03	1.88E-07	7.38E-08
1617	495061.06, 3858751.99	1.15E-03	1.82E-07	7.13E-08	1.18E-03	1.85E-07	7.28E-08	1.17E-03	1.85E-07	7.27E-08
1618	495111.06, 3858751.99	1.13E-03	1.78E-07	7.01E-08	1.16E-03	1.82E-07	7.15E-08	1.15E-03	1.82E-07	7.14E-08
1619	495161.06, 3858751.99	1.12E-03	1.76E-07	6.93E-08	1.14E-03	1.80E-07	7.07E-08	1.14E-03	1.80E-07	7.06E-08
1620	495211.06, 3858751.99	1.10E-03	1.74E-07	6.83E-08	1.13E-03	1.77E-07	6.97E-08	1.13E-03	1.77E-07	6.96E-08
1621	495261.06, 3858751.99	1.10E-03	1.73E-07	6.80E-08	1.12E-03	1.77E-07	6.94E-08	1.12E-03	1.76E-07	6.93E-08
1622	495311.06, 3858751.99	1.09E-03	1.72E-07	6.77E-08	1.12E-03	1.76E-07	6.91E-08	1.11E-03	1.76E-07	6.90E-08
1623	495361.06, 3858751.99	1.09E-03	1.71E-07	6.72E-08	1.11E-03	1.75E-07	6.86E-08	1.11E-03	1.74E-07	6.85E-08
1624	495411.06, 3858751.99	1.08E-03	1.71E-07	6.71E-08	1.11E-03	1.74E-07	6.85E-08	1.11E-03	1.74E-07	6.84E-08
1625	495461.06, 3858751.99	1.08E-03	1.70E-07	6.67E-08	1.10E-03	1.73E-07	6.81E-08	1.10E-03	1.73E-07	6.80E-08
1626	495511.06, 3858751.99	1.07E-03	1.68E-07	6.62E-08	1.09E-03	1.72E-07	6.75E-08	1.09E-03	1.72E-07	6.75E-08
1627	495561.06, 3858751.99	1.06E-03	1.67E-07	6.56E-08	1.08E-03	1.70E-07	6.69E-08	1.08E-03	1.70E-07	6.68E-08
1628	495611.06, 3858751.99	1.05E-03	1.65E-07	6.50E-08	1.07E-03	1.69E-07	6.63E-08	1.07E-03	1.69E-07	6.62E-08
1629	495661.06, 3858751.99	1.04E-03	1.64E-07	6.44E-08	1.06E-03	1.67E-07	6.58E-08	1.06E-03	1.67E-07	6.57E-08
1630	494311.06, 3858801.99	1.32E-03	2.07E-07	8.14E-08	1.34E-03	2.11E-07	8.31E-08	1.34E-03	2.11E-07	8.30E-08
1631	494361.06, 3858801.99	1.38E-03	2.18E-07	8.57E-08	1.41E-03	2.22E-07	8.74E-08	1.41E-03	2.22E-07	8.73E-08
1632	494411.06, 3858801.99	1.40E-03	2.20E-07	8.66E-08	1.43E-03	2.25E-07	8.84E-08	1.43E-03	2.25E-07	8.83E-08
1633	494461.06, 3858801.99	1.41E-03	2.21E-07	8.70E-08	1.43E-03	2.26E-07	8.88E-08	1.43E-03	2.26E-07	8.87E-08
1634	494511.06, 3858801.99	1.42E-03	2.23E-07	8.77E-08	1.45E-03	2.28E-07	8.95E-08	1.44E-03	2.28E-07	8.94E-08

1635	494561.06, 3858801.99	1.41E-03	2.22E-07	8.73E-08	1.44E-03	2.27E-07	8.91E-08	1.44E-03	2.26E-07	8.90E-08
1636	494611.06, 3858801.99	1.40E-03	2.20E-07	8.65E-08	1.43E-03	2.25E-07	8.82E-08	1.42E-03	2.24E-07	8.81E-08
1637	494661.06, 3858801.99	1.38E-03	2.17E-07	8.51E-08	1.40E-03	2.21E-07	8.69E-08	1.40E-03	2.21E-07	8.68E-08
1638	494711.06, 3858801.99	1.35E-03	2.13E-07	8.36E-08	1.38E-03	2.17E-07	8.53E-08	1.38E-03	2.17E-07	8.52E-08
1639	494761.06, 3858801.99	1.32E-03	2.08E-07	8.18E-08	1.35E-03	2.12E-07	8.34E-08	1.35E-03	2.12E-07	8.33E-08
1640	494811.06, 3858801.99	1.29E-03	2.04E-07	7.99E-08	1.32E-03	2.08E-07	8.16E-08	1.32E-03	2.07E-07	8.15E-08
1641	494861.06, 3858801.99	1.28E-03	2.01E-07	7.89E-08	1.30E-03	2.05E-07	8.05E-08	1.30E-03	2.05E-07	8.04E-08
1642	494911.06, 3858801.99	1.25E-03	1.97E-07	7.74E-08	1.28E-03	2.01E-07	7.90E-08	1.28E-03	2.01E-07	7.89E-08
1643	494961.06, 3858801.99	1.23E-03	1.94E-07	7.63E-08	1.26E-03	1.98E-07	7.79E-08	1.26E-03	1.98E-07	7.78E-08
1644	495011.06, 3858801.99	1.21E-03	1.91E-07	7.52E-08	1.24E-03	1.95E-07	7.67E-08	1.24E-03	1.95E-07	7.66E-08
1645	495061.06, 3858801.99	1.20E-03	1.89E-07	7.44E-08	1.23E-03	1.93E-07	7.59E-08	1.23E-03	1.93E-07	7.58E-08
1646	495111.06, 3858801.99	1.18E-03	1.86E-07	7.29E-08	1.20E-03	1.89E-07	7.44E-08	1.20E-03	1.89E-07	7.43E-08
1647	495161.06, 3858801.99	1.16E-03	1.83E-07	7.18E-08	1.18E-03	1.87E-07	7.33E-08	1.18E-03	1.86E-07	7.32E-08
1648	495211.06, 3858801.99	1.15E-03	1.81E-07	7.12E-08	1.17E-03	1.85E-07	7.26E-08	1.17E-03	1.85E-07	7.25E-08
1649	495261.06, 3858801.99	1.14E-03	1.80E-07	7.08E-08	1.17E-03	1.84E-07	7.22E-08	1.17E-03	1.84E-07	7.22E-08
1650	495311.06, 3858801.99	1.14E-03	1.80E-07	7.05E-08	1.16E-03	1.83E-07	7.20E-08	1.16E-03	1.83E-07	7.19E-08
1651	495361.06, 3858801.99	1.13E-03	1.78E-07	7.01E-08	1.16E-03	1.82E-07	7.15E-08	1.15E-03	1.82E-07	7.14E-08
1652	495411.06, 3858801.99	1.13E-03	1.78E-07	7.01E-08	1.16E-03	1.82E-07	7.15E-08	1.15E-03	1.82E-07	7.14E-08
1653	495461.06, 3858801.99	1.12E-03	1.77E-07	6.96E-08	1.15E-03	1.81E-07	7.10E-08	1.15E-03	1.81E-07	7.09E-08
1654	495511.06, 3858801.99	1.11E-03	1.75E-07	6.89E-08	1.14E-03	1.79E-07	7.03E-08	1.14E-03	1.79E-07	7.03E-08
1655	495561.06, 3858801.99	1.10E-03	1.74E-07	6.84E-08	1.13E-03	1.78E-07	6.98E-08	1.13E-03	1.77E-07	6.97E-08
1656	495611.06, 3858801.99	1.09E-03	1.72E-07	6.76E-08	1.11E-03	1.76E-07	6.90E-08	1.11E-03	1.75E-07	6.89E-08
1657	495661.06, 3858801.99	1.08E-03	1.71E-07	6.71E-08	1.11E-03	1.74E-07	6.85E-08	1.11E-03	1.74E-07	6.84E-08
1658	494311.06, 3858851.99	1.44E-03	2.27E-07	8.93E-08	1.47E-03	2.32E-07	9.12E-08	1.47E-03	2.32E-07	9.11E-08
1659	494361.06, 3858851.99	1.48E-03	2.34E-07	9.19E-08	1.52E-03	2.39E-07	9.38E-08	1.51E-03	2.38E-07	9.37E-08
1660	494411.06, 3858851.99	1.48E-03	2.33E-07	9.15E-08	1.51E-03	2.38E-07	9.34E-08	1.51E-03	2.37E-07	9.33E-08
1661	494461.06, 3858851.99	1.48E-03	2.33E-07	9.16E-08	1.51E-03	2.38E-07	9.34E-08	1.51E-03	2.38E-07	9.33E-08
1662	494511.06, 3858851.99	1.49E-03	2.34E-07	9.19E-08	1.52E-03	2.39E-07	9.38E-08	1.51E-03	2.39E-07	9.37E-08
1663	494561.06, 3858851.99	1.48E-03	2.32E-07	9.13E-08	1.51E-03	2.37E-07	9.32E-08	1.50E-03	2.37E-07	9.31E-08
1664	494611.06, 3858851.99	1.46E-03	2.30E-07	9.02E-08	1.49E-03	2.34E-07	9.20E-08	1.49E-03	2.34E-07	9.19E-08
1665	494661.06, 3858851.99	1.44E-03	2.26E-07	8.88E-08	1.46E-03	2.31E-07	9.06E-08	1.46E-03	2.30E-07	9.05E-08
1666	494711.06, 3858851.99	1.40E-03	2.21E-07	8.69E-08	1.43E-03	2.26E-07	8.86E-08	1.43E-03	2.25E-07	8.85E-08
1667	494761.06, 3858851.99	1.37E-03	2.16E-07	8.50E-08	1.40E-03	2.21E-07	8.67E-08	1.40E-03	2.21E-07	8.66E-08
1668	494811.06, 3858851.99	1.35E-03	2.12E-07	8.35E-08	1.38E-03	2.17E-07	8.52E-08	1.37E-03	2.17E-07	8.51E-08
1669	494861.06, 3858851.99	1.33E-03	2.10E-07	8.24E-08	1.36E-03	2.14E-07	8.41E-08	1.36E-03	2.14E-07	8.40E-08
1670	494911.06, 3858851.99	1.31E-03	2.06E-07	8.10E-08	1.34E-03	2.10E-07	8.26E-08	1.33E-03	2.10E-07	8.25E-08
1671	494961.06, 3858851.99	1.29E-03	2.03E-07	7.97E-08	1.31E-03	2.07E-07	8.14E-08	1.31E-03	2.07E-07	8.13E-08
1672	495011.06, 3858851.99	1.27E-03	2.00E-07	7.87E-08	1.30E-03	2.04E-07	8.03E-08	1.30E-03	2.04E-07	8.02E-08
1673	495061.06, 3858851.99	1.25E-03	1.97E-07	7.75E-08	1.28E-03	2.01E-07	7.91E-08	1.28E-03	2.01E-07	7.90E-08
1674	495111.06, 3858851.99	1.22E-03	1.92E-07	7.55E-08	1.24E-03	1.96E-07	7.70E-08	1.24E-03	1.96E-07	7.69E-08
1675	495161.06, 3858851.99	1.20E-03	1.89E-07	7.43E-08	1.23E-03	1.93E-07	7.58E-08	1.22E-03	1.93E-07	7.57E-08
1676	495211.06, 3858851.99	1.20E-03	1.89E-07	7.42E-08	1.22E-03	1.93E-07	7.57E-08	1.22E-03	1.93E-07	7.56E-08
1677	495261.06, 3858851.99	1.19E-03	1.88E-07	7.38E-08	1.22E-03	1.92E-07	7.53E-08	1.21E-03	1.91E-07	7.52E-08
1678	495311.06, 3858851.99	1.19E-03	1.87E-07	7.35E-08	1.21E-03	1.91E-07	7.50E-08	1.21E-03	1.91E-07	7.50E-08
1679	495361.06, 3858851.99	1.18E-03	1.86E-07	7.32E-08	1.21E-03	1.90E-07	7.47E-08	1.20E-03	1.90E-07	7.46E-08
1680	495411.06, 3858851.99	1.18E-03	1.85E-07	7.28E-08	1.20E-03	1.89E-07	7.43E-08	1.20E-03	1.89E-07	7.42E-08
1681	495461.06, 3858851.99	1.17E-03	1.84E-07	7.25E-08	1.19E-03	1.88E-07	7.40E-08	1.19E-03	1.88E-07	7.39E-08
1682	495511.06, 3858851.99	1.16E-03	1.83E-07	7.18E-08	1.18E-03	1.86E-07	7.32E-08	1.18E-03	1.86E-07	7.31E-08
1683	495561.06, 3858851.99	1.15E-03	1.80E-07	7.09E-08	1.17E-03	1.84E-07	7.23E-08	1.17E-03	1.84E-07	7.22E-08
1684	495611.06, 3858851.99	1.13E-03	1.78E-07	7.00E-08	1.15E-03	1.82E-07	7.14E-08	1.15E-03	1.82E-07	7.14E-08
1685	495661.06, 3858851.99	1.13E-03	1.77E-07	6.97E-08	1.15E-03	1.81E-07	7.11E-08	1.15E-03	1.81E-07	7.10E-08
1686	494311.06, 3858901.99	1.53E-03	2.41E-07	9.48E-08	1.56E-03	2.46E-07	9.67E-08	1.56E-03	2.46E-07	9.66E-08
1687	494361.06, 3858901.99	1.56E-03	2.46E-07	9.67E-08	1.59E-03	2.51E-07	9.87E-08	1.59E-03	2.51E-07	9.86E-08
1688	494411.06, 3858901.99	1.56E-03	2.46E-07	9.67E-08	1.59E-03	2.51E-07	9.87E-08	1.59E-03	2.51E-07	9.85E-08
1689	494461.06, 3858901.99	1.57E-03	2.48E-07	9.74E-08	1.61E-03	2.53E-07	9.94E-08	1.60E-03	2.53E-07	9.93E-08
1690	494511.06, 3858901.99	1.57E-03	2.47E-07	9.71E-08	1.60E-03	2.52E-07	9.91E-08	1.60E-03	2.52E-07	9.90E-08
1691	494561.06, 3858901.99	1.55E-03	2.44E-07	9.58E-08	1.58E-03	2.49E-07	9.78E-08	1.58E-03	2.49E-07	9.77E-08
1692	494611.06, 3858901.99	1.52E-03	2.39E-07	9.38E-08	1.55E-03	2.44E-07	9.57E-08	1.54E-03	2.43E-07	9.56E-08
1693	494661.06, 3858901.99	1.50E-03	2.36E-07	9.26E-08	1.53E-03	2.40E-07	9.45E-08	1.52E-03	2.40E-07	9.44E-08
1694	494711.06, 3858901.99	1.47E-03	2.31E-07	9.07E-08	1.49E-03	2.36E-07	9.25E-08	1.49E-03	2.35E-07	9.24E-08
1695	494761.06, 3858901.99	1.43E-03	2.25E-07	8.85E-08	1.46E-03	2.30E-07	9.03E-08	1.46E-03	2.30E-07	9.02E-08
1696	494811.06, 3858901.99	1.41E-03	2.22E-07	8.71E-08	1.44E-03	2.26E-07	8.89E-08	1.43E-03	2.26E-07	8.88E-08
1697	494861.06, 3858901.99	1.39E-03	2.19E-07	8.61E-08	1.42E-03	2.24E-07	8.79E-08	1.42E-03	2.23E-07	8.77E-08

1698	494911.06, 3858901.99	1.36E-03	2.14E-07	8.40E-08	1.39E-03	2.18E-07	8.57E-08	1.38E-03	2.18E-07	8.56E-08
1699	494961.06, 3858901.99	1.34E-03	2.11E-07	8.28E-08	1.37E-03	2.15E-07	8.45E-08	1.36E-03	2.15E-07	8.44E-08
1700	495011.06, 3858901.99	1.32E-03	2.08E-07	8.17E-08	1.35E-03	2.12E-07	8.33E-08	1.34E-03	2.12E-07	8.32E-08
1701	495061.06, 3858901.99	1.29E-03	2.04E-07	8.01E-08	1.32E-03	2.08E-07	8.17E-08	1.32E-03	2.08E-07	8.16E-08
1702	495111.06, 3858901.99	1.26E-03	1.98E-07	7.79E-08	1.28E-03	2.02E-07	7.95E-08	1.28E-03	2.02E-07	7.94E-08
1703	495161.06, 3858901.99	1.25E-03	1.96E-07	7.71E-08	1.27E-03	2.00E-07	7.87E-08	1.27E-03	2.00E-07	7.86E-08
1704	495211.06, 3858901.99	1.25E-03	1.97E-07	7.73E-08	1.27E-03	2.01E-07	7.89E-08	1.27E-03	2.01E-07	7.88E-08
1705	495261.06, 3858901.99	1.24E-03	1.96E-07	7.70E-08	1.27E-03	2.00E-07	7.85E-08	1.27E-03	2.00E-07	7.84E-08
1706	495311.06, 3858901.99	1.24E-03	1.95E-07	7.65E-08	1.26E-03	1.99E-07	7.80E-08	1.26E-03	1.98E-07	7.79E-08
1707	495361.06, 3858901.99	1.23E-03	1.94E-07	7.60E-08	1.25E-03	1.97E-07	7.76E-08	1.25E-03	1.97E-07	7.75E-08
1708	495411.06, 3858901.99	1.23E-03	1.93E-07	7.58E-08	1.25E-03	1.97E-07	7.74E-08	1.25E-03	1.97E-07	7.73E-08
1709	495461.06, 3858901.99	1.22E-03	1.92E-07	7.52E-08	1.24E-03	1.95E-07	7.68E-08	1.24E-03	1.95E-07	7.67E-08
1710	495511.06, 3858901.99	1.20E-03	1.89E-07	7.44E-08	1.23E-03	1.93E-07	7.59E-08	1.23E-03	1.93E-07	7.58E-08
1711	495561.06, 3858901.99	1.19E-03	1.88E-07	7.37E-08	1.21E-03	1.91E-07	7.52E-08	1.21E-03	1.91E-07	7.51E-08
1712	495611.06, 3858901.99	1.18E-03	1.85E-07	7.28E-08	1.20E-03	1.89E-07	7.42E-08	1.20E-03	1.89E-07	7.42E-08
1713	495661.06, 3858901.99	1.17E-03	1.84E-07	7.25E-08	1.19E-03	1.88E-07	7.40E-08	1.19E-03	1.88E-07	7.39E-08
1714	494311.06, 3858951.99	1.65E-03	2.59E-07	1.02E-07	1.68E-03	2.64E-07	1.04E-07	1.68E-03	2.64E-07	1.04E-07
1715	494361.06, 3858951.99	1.66E-03	2.61E-07	1.02E-07	1.69E-03	2.66E-07	1.05E-07	1.69E-03	2.66E-07	1.04E-07
1716	494411.06, 3858951.99	1.64E-03	2.58E-07	1.01E-07	1.67E-03	2.64E-07	1.04E-07	1.67E-03	2.63E-07	1.03E-07
1717	494461.06, 3858951.99	1.65E-03	2.60E-07	1.02E-07	1.69E-03	2.66E-07	1.04E-07	1.68E-03	2.65E-07	1.04E-07
1718	494511.06, 3858951.99	1.64E-03	2.58E-07	1.02E-07	1.67E-03	2.64E-07	1.04E-07	1.67E-03	2.63E-07	1.03E-07
1719	494561.06, 3858951.99	1.62E-03	2.55E-07	1.00E-07	1.65E-03	2.60E-07	1.02E-07	1.65E-03	2.60E-07	1.02E-07
1720	494611.06, 3858951.99	1.59E-03	2.50E-07	9.83E-08	1.62E-03	2.55E-07	1.00E-07	1.62E-03	2.55E-07	1.00E-07
1721	494661.06, 3858951.99	1.56E-03	2.46E-07	9.65E-08	1.59E-03	2.51E-07	9.85E-08	1.59E-03	2.50E-07	9.84E-08
1722	494711.06, 3858951.99	1.52E-03	2.40E-07	9.42E-08	1.55E-03	2.45E-07	9.61E-08	1.55E-03	2.44E-07	9.60E-08
1723	494761.06, 3858951.99	1.49E-03	2.35E-07	9.24E-08	1.52E-03	2.40E-07	9.43E-08	1.52E-03	2.40E-07	9.42E-08
1724	494811.06, 3858951.99	1.47E-03	2.32E-07	9.11E-08	1.50E-03	2.37E-07	9.30E-08	1.50E-03	2.36E-07	9.29E-08
1725	494861.06, 3858951.99	1.45E-03	2.29E-07	8.99E-08	1.48E-03	2.33E-07	9.17E-08	1.48E-03	2.33E-07	9.16E-08
1726	494911.06, 3858951.99	1.42E-03	2.24E-07	8.81E-08	1.45E-03	2.29E-07	8.99E-08	1.45E-03	2.29E-07	8.98E-08
1727	494961.06, 3858951.99	1.41E-03	2.22E-07	8.71E-08	1.44E-03	2.26E-07	8.89E-08	1.43E-03	2.26E-07	8.88E-08
1728	495011.06, 3858951.99	1.37E-03	2.15E-07	8.46E-08	1.39E-03	2.20E-07	8.63E-08	1.39E-03	2.19E-07	8.62E-08
1729	495061.06, 3858951.99	1.33E-03	2.09E-07	8.22E-08	1.36E-03	2.13E-07	8.39E-08	1.35E-03	2.13E-07	8.38E-08
1730	495111.06, 3858951.99	1.30E-03	2.05E-07	8.04E-08	1.33E-03	2.09E-07	8.20E-08	1.32E-03	2.09E-07	8.19E-08
1731	495161.06, 3858951.99	1.31E-03	2.06E-07	8.08E-08	1.33E-03	2.10E-07	8.25E-08	1.33E-03	2.10E-07	8.24E-08
1732	495211.06, 3858951.99	1.30E-03	2.05E-07	8.05E-08	1.33E-03	2.09E-07	8.21E-08	1.33E-03	2.09E-07	8.20E-08
1733	495261.06, 3858951.99	1.30E-03	2.04E-07	8.01E-08	1.32E-03	2.08E-07	8.18E-08	1.32E-03	2.08E-07	8.17E-08
1734	495311.06, 3858951.99	1.28E-03	2.01E-07	7.91E-08	1.30E-03	2.06E-07	8.08E-08	1.30E-03	2.05E-07	8.07E-08
1735	495361.06, 3858951.99	1.27E-03	2.01E-07	7.89E-08	1.30E-03	2.05E-07	8.05E-08	1.30E-03	2.05E-07	8.04E-08
1736	495411.06, 3858951.99	1.27E-03	2.00E-07	7.88E-08	1.30E-03	2.05E-07	8.04E-08	1.30E-03	2.04E-07	8.03E-08
1737	495461.06, 3858951.99	1.26E-03	1.99E-07	7.82E-08	1.29E-03	2.03E-07	7.98E-08	1.29E-03	2.03E-07	7.97E-08
1738	495511.06, 3858951.99	1.26E-03	1.98E-07	7.79E-08	1.28E-03	2.02E-07	7.95E-08	1.28E-03	2.02E-07	7.94E-08
1739	495561.06, 3858951.99	1.24E-03	1.95E-07	7.65E-08	1.26E-03	1.99E-07	7.81E-08	1.26E-03	1.99E-07	7.80E-08
1740	495611.06, 3858951.99	1.22E-03	1.93E-07	7.56E-08	1.25E-03	1.96E-07	7.72E-08	1.25E-03	1.96E-07	7.71E-08
1741	495661.06, 3858951.99	1.22E-03	1.92E-07	7.54E-08	1.24E-03	1.96E-07	7.69E-08	1.24E-03	1.95E-07	7.68E-08
1742	494311.06, 3859001.99	1.75E-03	2.76E-07	1.08E-07	1.78E-03	2.81E-07	1.10E-07	1.78E-03	2.81E-07	1.10E-07
1743	494361.06, 3859001.99	1.74E-03	2.74E-07	1.08E-07	1.78E-03	2.80E-07	1.10E-07	1.78E-03	2.80E-07	1.10E-07
1744	494411.06, 3859001.99	1.75E-03	2.75E-07	1.08E-07	1.78E-03	2.81E-07	1.10E-07	1.78E-03	2.81E-07	1.10E-07
1745	494461.06, 3859001.99	1.73E-03	2.73E-07	1.07E-07	1.77E-03	2.79E-07	1.10E-07	1.77E-03	2.78E-07	1.09E-07
1746	494511.06, 3859001.99	1.72E-03	2.71E-07	1.06E-07	1.76E-03	2.77E-07	1.09E-07	1.75E-03	2.76E-07	1.09E-07
1747	494561.06, 3859001.99	1.69E-03	2.66E-07	1.04E-07	1.72E-03	2.71E-07	1.07E-07	1.72E-03	2.71E-07	1.06E-07
1748	494611.06, 3859001.99	1.66E-03	2.61E-07	1.03E-07	1.69E-03	2.67E-07	1.05E-07	1.69E-03	2.66E-07	1.05E-07
1749	494661.06, 3859001.99	1.62E-03	2.56E-07	1.00E-07	1.66E-03	2.61E-07	1.02E-07	1.65E-03	2.61E-07	1.02E-07
1750	494711.06, 3859001.99	1.58E-03	2.49E-07	9.79E-08	1.61E-03	2.54E-07	9.99E-08	1.61E-03	2.54E-07	9.98E-08
1751	494761.06, 3859001.99	1.56E-03	2.45E-07	9.64E-08	1.59E-03	2.50E-07	9.83E-08	1.59E-03	2.50E-07	9.82E-08
1752	494811.06, 3859001.99	1.54E-03	2.43E-07	9.54E-08	1.57E-03	2.48E-07	9.73E-08	1.57E-03	2.47E-07	9.72E-08
1753	494861.06, 3859001.99	1.51E-03	2.39E-07	9.37E-08	1.54E-03	2.43E-07	9.56E-08	1.54E-03	2.43E-07	9.55E-08
1754	494911.06, 3859001.99	1.49E-03	2.34E-07	9.19E-08	1.52E-03	2.39E-07	9.38E-08	1.51E-03	2.39E-07	9.37E-08
1755	494961.06, 3859001.99	1.46E-03	2.30E-07	9.02E-08	1.49E-03	2.34E-07	9.20E-08	1.49E-03	2.34E-07	9.19E-08
1756	495011.06, 3859001.99	1.39E-03	2.19E-07	8.61E-08	1.42E-03	2.24E-07	8.78E-08	1.42E-03	2.23E-07	8.77E-08
1757	495061.06, 3859001.99	1.37E-03	2.17E-07	8.51E-08	1.40E-03	2.21E-07	8.68E-08	1.40E-03	2.21E-07	8.67E-08
1758	495111.06, 3859001.99	1.34E-03	2.12E-07	8.32E-08	1.37E-03	2.16E-07	8.49E-08	1.37E-03	2.16E-07	8.48E-08
1759	495161.06, 3859001.99	1.36E-03	2.14E-07	8.42E-08	1.39E-03	2.19E-07	8.59E-08	1.39E-03	2.18E-07	8.58E-08
1760	495211.06, 3859001.99	1.35E-03	2.13E-07	8.36E-08	1.38E-03	2.17E-07	8.53E-08	1.38E-03	2.17E-07	8.52E-08

1761 495261.06, 3859001.99	1.35E-03	2.12E-07	8.33E-08	1.37E-03	2.16E-07	8.50E-08	1.37E-03	2.16E-07	8.49E-08
1762 495311.06, 3859001.99	1.33E-03	2.10E-07	8.26E-08	1.36E-03	2.15E-07	8.43E-08	1.36E-03	2.14E-07	8.42E-08
1763 495361.06, 3859001.99	1.33E-03	2.09E-07	8.23E-08	1.36E-03	2.14E-07	8.39E-08	1.35E-03	2.13E-07	8.38E-08
1764 495411.06, 3859001.99	1.32E-03	2.08E-07	8.18E-08	1.35E-03	2.12E-07	8.34E-08	1.35E-03	2.12E-07	8.33E-08
1765 495461.06, 3859001.99	1.31E-03	2.07E-07	8.13E-08	1.34E-03	2.11E-07	8.30E-08	1.34E-03	2.11E-07	8.29E-08
1766 495511.06, 3859001.99	1.30E-03	2.04E-07	8.02E-08	1.32E-03	2.08E-07	8.18E-08	1.32E-03	2.08E-07	8.17E-08
1767 495561.06, 3859001.99	1.28E-03	2.02E-07	7.94E-08	1.31E-03	2.06E-07	8.10E-08	1.31E-03	2.06E-07	8.09E-08
1768 495611.06, 3859001.99	1.27E-03	2.00E-07	7.86E-08	1.30E-03	2.04E-07	8.02E-08	1.29E-03	2.04E-07	8.01E-08
1769 495661.06, 3859001.99	1.27E-03	2.00E-07	7.87E-08	1.30E-03	2.04E-07	8.03E-08	1.30E-03	2.04E-07	8.02E-08
1770 494311.06, 3859051.99	1.85E-03	2.91E-07	1.14E-07	1.89E-03	2.97E-07	1.17E-07	1.88E-03	2.97E-07	1.17E-07
1771 494361.06, 3859051.99	1.86E-03	2.93E-07	1.15E-07	1.90E-03	2.99E-07	1.17E-07	1.89E-03	2.98E-07	1.17E-07
1772 494411.06, 3859051.99	1.84E-03	2.89E-07	1.14E-07	1.88E-03	2.95E-07	1.16E-07	1.87E-03	2.95E-07	1.16E-07
1773 494461.06, 3859051.99	1.81E-03	2.86E-07	1.12E-07	1.85E-03	2.92E-07	1.15E-07	1.85E-03	2.91E-07	1.14E-07
1774 494511.06, 3859051.99	1.78E-03	2.81E-07	1.10E-07	1.82E-03	2.87E-07	1.13E-07	1.82E-03	2.86E-07	1.13E-07
1775 494561.06, 3859051.99	1.76E-03	2.77E-07	1.09E-07	1.80E-03	2.83E-07	1.11E-07	1.79E-03	2.82E-07	1.11E-07
1776 494611.06, 3859051.99	1.73E-03	2.72E-07	1.07E-07	1.76E-03	2.77E-07	1.09E-07	1.76E-03	2.77E-07	1.09E-07
1777 494661.06, 3859051.99	1.69E-03	2.66E-07	1.05E-07	1.73E-03	2.72E-07	1.07E-07	1.72E-03	2.72E-07	1.07E-07
1778 494711.06, 3859051.99	1.66E-03	2.61E-07	1.03E-07	1.69E-03	2.67E-07	1.05E-07	1.69E-03	2.66E-07	1.05E-07
1779 494761.06, 3859051.99	1.63E-03	2.56E-07	1.01E-07	1.66E-03	2.61E-07	1.03E-07	1.66E-03	2.61E-07	1.03E-07
1780 494811.06, 3859051.99	1.60E-03	2.52E-07	9.92E-08	1.64E-03	2.58E-07	1.01E-07	1.63E-03	2.57E-07	1.01E-07
1781 494861.06, 3859051.99	1.58E-03	2.49E-07	9.77E-08	1.61E-03	2.54E-07	9.96E-08	1.61E-03	2.53E-07	9.95E-08
1782 494911.06, 3859051.99	1.54E-03	2.43E-07	9.55E-08	1.57E-03	2.48E-07	9.74E-08	1.57E-03	2.48E-07	9.73E-08
1783 494961.06, 3859051.99	1.49E-03	2.35E-07	9.24E-08	1.52E-03	2.40E-07	9.43E-08	1.52E-03	2.40E-07	9.42E-08
1784 495011.06, 3859051.99	1.46E-03	2.29E-07	9.01E-08	1.49E-03	2.34E-07	9.20E-08	1.48E-03	2.34E-07	9.19E-08
1785 495061.06, 3859051.99	1.43E-03	2.25E-07	8.85E-08	1.46E-03	2.30E-07	9.03E-08	1.46E-03	2.30E-07	9.02E-08
1786 495111.06, 3859051.99	1.41E-03	2.23E-07	8.76E-08	1.44E-03	2.27E-07	8.93E-08	1.44E-03	2.27E-07	8.92E-08
1787 495161.06, 3859051.99	1.42E-03	2.24E-07	8.79E-08	1.45E-03	2.28E-07	8.97E-08	1.45E-03	2.28E-07	8.96E-08
1788 495211.06, 3859051.99	1.40E-03	2.21E-07	8.67E-08	1.43E-03	2.25E-07	8.85E-08	1.43E-03	2.25E-07	8.84E-08
1789 495261.06, 3859051.99	1.40E-03	2.21E-07	8.67E-08	1.43E-03	2.25E-07	8.85E-08	1.43E-03	2.25E-07	8.84E-08
1790 495311.06, 3859051.99	1.39E-03	2.19E-07	8.59E-08	1.42E-03	2.23E-07	8.76E-08	1.41E-03	2.23E-07	8.75E-08
1791 495361.06, 3859051.99	1.38E-03	2.17E-07	8.53E-08	1.41E-03	2.22E-07	8.71E-08	1.41E-03	2.21E-07	8.70E-08
1792 495411.06, 3859051.99	1.37E-03	2.17E-07	8.51E-08	1.40E-03	2.21E-07	8.68E-08	1.40E-03	2.21E-07	8.67E-08
1793 495461.06, 3859051.99	1.37E-03	2.16E-07	8.47E-08	1.40E-03	2.20E-07	8.65E-08	1.40E-03	2.20E-07	8.64E-08
1794 495511.06, 3859051.99	1.35E-03	2.12E-07	8.34E-08	1.38E-03	2.17E-07	8.52E-08	1.37E-03	2.16E-07	8.51E-08
1795 495561.06, 3859051.99	1.33E-03	2.10E-07	8.24E-08	1.36E-03	2.14E-07	8.41E-08	1.36E-03	2.14E-07	8.40E-08
1796 495611.06, 3859051.99	1.32E-03	2.07E-07	8.15E-08	1.34E-03	2.12E-07	8.32E-08	1.34E-03	2.11E-07	8.31E-08
1797 495661.06, 3859051.99	1.32E-03	2.07E-07	8.15E-08	1.34E-03	2.12E-07	8.32E-08	1.34E-03	2.11E-07	8.31E-08
1798 494311.06, 3859101.99	1.97E-03	3.10E-07	1.22E-07	2.01E-03	3.17E-07	1.24E-07	2.01E-03	3.16E-07	1.24E-07
1799 494361.06, 3859101.99	1.95E-03	3.07E-07	1.21E-07	1.99E-03	3.13E-07	1.23E-07	1.99E-03	3.13E-07	1.23E-07
1800 494411.06, 3859101.99	1.93E-03	3.04E-07	1.20E-07	1.97E-03	3.11E-07	1.22E-07	1.97E-03	3.10E-07	1.22E-07
1801 494461.06, 3859101.99	1.91E-03	3.00E-07	1.18E-07	1.94E-03	3.06E-07	1.20E-07	1.94E-03	3.06E-07	1.20E-07
1802 494511.06, 3859101.99	1.87E-03	2.94E-07	1.16E-07	1.91E-03	3.00E-07	1.18E-07	1.90E-03	3.00E-07	1.18E-07
1803 494561.06, 3859101.99	1.84E-03	2.89E-07	1.14E-07	1.87E-03	2.95E-07	1.16E-07	1.87E-03	2.95E-07	1.16E-07
1804 494611.06, 3859101.99	1.79E-03	2.83E-07	1.11E-07	1.83E-03	2.88E-07	1.13E-07	1.83E-03	2.88E-07	1.13E-07
1805 494661.06, 3859101.99	1.77E-03	2.78E-07	1.09E-07	1.80E-03	2.84E-07	1.11E-07	1.80E-03	2.83E-07	1.11E-07
1806 494711.06, 3859101.99	1.72E-03	2.71E-07	1.06E-07	1.75E-03	2.76E-07	1.08E-07	1.75E-03	2.76E-07	1.08E-07
1807 494761.06, 3859101.99	1.70E-03	2.68E-07	1.05E-07	1.74E-03	2.74E-07	1.08E-07	1.74E-03	2.73E-07	1.07E-07
1808 494811.06, 3859101.99	1.67E-03	2.63E-07	1.03E-07	1.71E-03	2.69E-07	1.06E-07	1.70E-03	2.68E-07	1.05E-07
1809 494861.06, 3859101.99	1.64E-03	2.59E-07	1.02E-07	1.68E-03	2.64E-07	1.04E-07	1.67E-03	2.64E-07	1.04E-07
1810 494911.06, 3859101.99	1.60E-03	2.53E-07	9.93E-08	1.64E-03	2.58E-07	1.01E-07	1.64E-03	2.58E-07	1.01E-07
1811 494961.06, 3859101.99	1.55E-03	2.44E-07	9.59E-08	1.58E-03	2.49E-07	9.78E-08	1.58E-03	2.49E-07	9.77E-08
1812 495011.06, 3859101.99	1.49E-03	2.35E-07	9.25E-08	1.52E-03	2.40E-07	9.43E-08	1.52E-03	2.40E-07	9.42E-08
1813 495061.06, 3859101.99	1.49E-03	2.35E-07	9.22E-08	1.52E-03	2.39E-07	9.40E-08	1.52E-03	2.39E-07	9.39E-08
1814 495111.06, 3859101.99	1.47E-03	2.32E-07	9.10E-08	1.50E-03	2.36E-07	9.29E-08	1.50E-03	2.36E-07	9.28E-08
1815 495161.06, 3859101.99	1.47E-03	2.32E-07	9.13E-08	1.50E-03	2.37E-07	9.31E-08	1.50E-03	2.37E-07	9.30E-08
1816 495211.06, 3859101.99	1.46E-03	2.30E-07	9.02E-08	1.49E-03	2.34E-07	9.20E-08	1.49E-03	2.34E-07	9.19E-08
1817 495261.06, 3859101.99	1.45E-03	2.29E-07	8.99E-08	1.48E-03	2.34E-07	9.17E-08	1.48E-03	2.33E-07	9.16E-08
1818 495311.06, 3859101.99	1.44E-03	2.27E-07	8.90E-08	1.47E-03	2.31E-07	9.08E-08	1.47E-03	2.31E-07	9.07E-08
1819 495361.06, 3859101.99	1.44E-03	2.27E-07	8.91E-08	1.47E-03	2.31E-07	9.09E-08	1.47E-03	2.31E-07	9.08E-08
1820 495411.06, 3859101.99	1.43E-03	2.25E-07	8.86E-08	1.46E-03	2.30E-07	9.04E-08	1.46E-03	2.30E-07	9.03E-08
1821 495461.06, 3859101.99	1.41E-03	2.22E-07	8.72E-08	1.44E-03	2.26E-07	8.89E-08	1.44E-03	2.26E-07	8.88E-08
1822 495511.06, 3859101.99	1.40E-03	2.20E-07	8.65E-08	1.43E-03	2.25E-07	8.82E-08	1.42E-03	2.24E-07	8.81E-08
1823 495561.06, 3859101.99	1.39E-03	2.19E-07	8.59E-08	1.42E-03	2.23E-07	8.76E-08	1.41E-03	2.23E-07	8.75E-08

1824	495611.06, 3859101.99	1.37E-03	2.16E-07	8.47E-08	1.40E-03	2.20E-07	8.65E-08	1.40E-03	2.20E-07	8.64E-08
1825	495661.06, 3859101.99	1.36E-03	2.15E-07	8.44E-08	1.39E-03	2.19E-07	8.61E-08	1.39E-03	2.19E-07	8.60E-08
1826	494311.06, 3859151.99	2.07E-03	3.26E-07	1.28E-07	2.11E-03	3.33E-07	1.31E-07	2.11E-03	3.33E-07	1.31E-07
1827	494361.06, 3859151.99	2.06E-03	3.24E-07	1.27E-07	2.10E-03	3.31E-07	1.30E-07	2.10E-03	3.30E-07	1.30E-07
1828	494411.06, 3859151.99	2.02E-03	3.19E-07	1.25E-07	2.06E-03	3.25E-07	1.28E-07	2.06E-03	3.25E-07	1.28E-07
1829	494461.06, 3859151.99	1.99E-03	3.13E-07	1.23E-07	2.03E-03	3.19E-07	1.25E-07	2.03E-03	3.19E-07	1.25E-07
1830	494511.06, 3859151.99	1.94E-03	3.06E-07	1.20E-07	1.98E-03	3.12E-07	1.23E-07	1.98E-03	3.12E-07	1.23E-07
1831	494561.06, 3859151.99	1.92E-03	3.02E-07	1.19E-07	1.96E-03	3.08E-07	1.21E-07	1.95E-03	3.08E-07	1.21E-07
1832	494611.06, 3859151.99	1.87E-03	2.95E-07	1.16E-07	1.91E-03	3.01E-07	1.18E-07	1.91E-03	3.01E-07	1.18E-07
1833	494661.06, 3859151.99	1.85E-03	2.91E-07	1.14E-07	1.88E-03	2.97E-07	1.17E-07	1.88E-03	2.96E-07	1.16E-07
1834	494711.06, 3859151.99	1.82E-03	2.87E-07	1.13E-07	1.86E-03	2.93E-07	1.15E-07	1.86E-03	2.92E-07	1.15E-07
1835	494761.06, 3859151.99	1.77E-03	2.79E-07	1.10E-07	1.81E-03	2.85E-07	1.12E-07	1.81E-03	2.85E-07	1.12E-07
1836	494811.06, 3859151.99	1.74E-03	2.73E-07	1.07E-07	1.77E-03	2.79E-07	1.10E-07	1.77E-03	2.79E-07	1.09E-07
1837	494861.06, 3859151.99	1.71E-03	2.69E-07	1.06E-07	1.74E-03	2.75E-07	1.08E-07	1.74E-03	2.74E-07	1.08E-07
1838	494911.06, 3859151.99	1.66E-03	2.62E-07	1.03E-07	1.70E-03	2.68E-07	1.05E-07	1.70E-03	2.67E-07	1.05E-07
1839	494961.06, 3859151.99	1.60E-03	2.52E-07	9.91E-08	1.63E-03	2.57E-07	1.01E-07	1.63E-03	2.57E-07	1.01E-07
1840	495011.06, 3859151.99	1.55E-03	2.45E-07	9.62E-08	1.59E-03	2.50E-07	9.81E-08	1.58E-03	2.50E-07	9.80E-08
1841	495061.06, 3859151.99	1.54E-03	2.43E-07	9.56E-08	1.58E-03	2.48E-07	9.75E-08	1.57E-03	2.48E-07	9.74E-08
1842	495111.06, 3859151.99	1.53E-03	2.41E-07	9.47E-08	1.56E-03	2.46E-07	9.66E-08	1.56E-03	2.46E-07	9.65E-08
1843	495161.06, 3859151.99	1.53E-03	2.42E-07	9.49E-08	1.57E-03	2.47E-07	9.69E-08	1.56E-03	2.46E-07	9.68E-08
1844	495211.06, 3859151.99	1.52E-03	2.40E-07	9.42E-08	1.55E-03	2.45E-07	9.61E-08	1.55E-03	2.44E-07	9.60E-08
1845	495261.06, 3859151.99	1.51E-03	2.38E-07	9.34E-08	1.54E-03	2.43E-07	9.53E-08	1.54E-03	2.42E-07	9.52E-08
1846	495311.06, 3859151.99	1.50E-03	2.36E-07	9.28E-08	1.53E-03	2.41E-07	9.47E-08	1.53E-03	2.41E-07	9.46E-08
1847	495361.06, 3859151.99	1.49E-03	2.35E-07	9.21E-08	1.52E-03	2.39E-07	9.40E-08	1.52E-03	2.39E-07	9.39E-08
1848	495411.06, 3859151.99	1.49E-03	2.35E-07	9.23E-08	1.52E-03	2.40E-07	9.41E-08	1.52E-03	2.39E-07	9.40E-08
1849	495461.06, 3859151.99	1.48E-03	2.33E-07	9.16E-08	1.51E-03	2.38E-07	9.35E-08	1.51E-03	2.38E-07	9.34E-08
1850	495511.06, 3859151.99	1.46E-03	2.30E-07	9.03E-08	1.49E-03	2.35E-07	9.21E-08	1.49E-03	2.34E-07	9.20E-08
1851	495561.06, 3859151.99	1.44E-03	2.27E-07	8.92E-08	1.47E-03	2.32E-07	9.11E-08	1.47E-03	2.32E-07	9.10E-08
1852	495611.06, 3859151.99	1.43E-03	2.25E-07	8.83E-08	1.46E-03	2.29E-07	9.01E-08	1.45E-03	2.29E-07	9.00E-08
1853	495661.06, 3859151.99	1.41E-03	2.23E-07	8.75E-08	1.44E-03	2.27E-07	8.93E-08	1.44E-03	2.27E-07	8.92E-08
1854	494311.06, 3859201.99	2.18E-03	3.43E-07	1.35E-07	2.22E-03	3.50E-07	1.38E-07	2.22E-03	3.50E-07	1.37E-07
1855	494361.06, 3859201.99	2.15E-03	3.39E-07	1.33E-07	2.20E-03	3.46E-07	1.36E-07	2.19E-03	3.46E-07	1.36E-07
1856	494411.06, 3859201.99	2.12E-03	3.34E-07	1.31E-07	2.16E-03	3.41E-07	1.34E-07	2.16E-03	3.40E-07	1.34E-07
1857	494461.06, 3859201.99	2.07E-03	3.27E-07	1.28E-07	2.12E-03	3.33E-07	1.31E-07	2.11E-03	3.33E-07	1.31E-07
1858	494511.06, 3859201.99	2.04E-03	3.22E-07	1.26E-07	2.08E-03	3.28E-07	1.29E-07	2.08E-03	3.28E-07	1.29E-07
1859	494561.06, 3859201.99	1.99E-03	3.14E-07	1.23E-07	2.03E-03	3.20E-07	1.26E-07	2.03E-03	3.20E-07	1.26E-07
1860	494611.06, 3859201.99	1.95E-03	3.08E-07	1.21E-07	1.99E-03	3.14E-07	1.23E-07	1.99E-03	3.14E-07	1.23E-07
1861	494661.06, 3859201.99	1.92E-03	3.03E-07	1.19E-07	1.96E-03	3.09E-07	1.21E-07	1.96E-03	3.09E-07	1.21E-07
1862	494711.06, 3859201.99	1.89E-03	2.98E-07	1.17E-07	1.93E-03	3.04E-07	1.20E-07	1.93E-03	3.04E-07	1.19E-07
1863	494761.06, 3859201.99	1.85E-03	2.91E-07	1.14E-07	1.88E-03	2.97E-07	1.17E-07	1.88E-03	2.96E-07	1.16E-07
1864	494811.06, 3859201.99	1.81E-03	2.85E-07	1.12E-07	1.84E-03	2.91E-07	1.14E-07	1.84E-03	2.90E-07	1.14E-07
1865	494861.06, 3859201.99	1.76E-03	2.77E-07	1.09E-07	1.79E-03	2.83E-07	1.11E-07	1.79E-03	2.82E-07	1.11E-07
1866	494911.06, 3859201.99	1.71E-03	2.70E-07	1.06E-07	1.75E-03	2.75E-07	1.08E-07	1.75E-03	2.75E-07	1.08E-07
1867	494961.06, 3859201.99	1.66E-03	2.61E-07	1.03E-07	1.69E-03	2.67E-07	1.05E-07	1.69E-03	2.66E-07	1.05E-07
1868	495011.06, 3859201.99	1.59E-03	2.51E-07	9.86E-08	1.63E-03	2.56E-07	1.01E-07	1.62E-03	2.56E-07	1.00E-07
1869	495061.06, 3859201.99	1.61E-03	2.53E-07	9.96E-08	1.64E-03	2.59E-07	1.02E-07	1.64E-03	2.58E-07	1.02E-07
1870	495111.06, 3859201.99	1.60E-03	2.52E-07	9.91E-08	1.63E-03	2.57E-07	1.01E-07	1.63E-03	2.57E-07	1.01E-07
1871	495161.06, 3859201.99	1.59E-03	2.51E-07	9.85E-08	1.62E-03	2.56E-07	1.01E-07	1.62E-03	2.56E-07	1.00E-07
1872	495211.06, 3859201.99	1.57E-03	2.48E-07	9.74E-08	1.61E-03	2.53E-07	9.94E-08	1.60E-03	2.53E-07	9.92E-08
1873	495261.06, 3859201.99	1.57E-03	2.47E-07	9.70E-08	1.60E-03	2.52E-07	9.90E-08	1.60E-03	2.52E-07	9.88E-08
1874	495311.06, 3859201.99	1.56E-03	2.45E-07	9.63E-08	1.59E-03	2.50E-07	9.83E-08	1.59E-03	2.50E-07	9.82E-08
1875	495361.06, 3859201.99	1.55E-03	2.44E-07	9.58E-08	1.58E-03	2.49E-07	9.78E-08	1.58E-03	2.49E-07	9.77E-08
1876	495411.06, 3859201.99	1.55E-03	2.44E-07	9.58E-08	1.58E-03	2.49E-07	9.77E-08	1.58E-03	2.48E-07	9.76E-08
1877	495461.06, 3859201.99	1.53E-03	2.42E-07	9.49E-08	1.56E-03	2.47E-07	9.68E-08	1.56E-03	2.46E-07	9.67E-08
1878	495511.06, 3859201.99	1.52E-03	2.39E-07	9.41E-08	1.55E-03	2.44E-07	9.60E-08	1.55E-03	2.44E-07	9.59E-08
1879	495561.06, 3859201.99	1.50E-03	2.36E-07	9.25E-08	1.53E-03	2.40E-07	9.44E-08	1.52E-03	2.40E-07	9.43E-08
1880	495611.06, 3859201.99	1.48E-03	2.33E-07	9.14E-08	1.51E-03	2.37E-07	9.33E-08	1.51E-03	2.37E-07	9.32E-08
1881	495661.06, 3859201.99	1.46E-03	2.31E-07	9.06E-08	1.49E-03	2.35E-07	9.24E-08	1.49E-03	2.35E-07	9.23E-08
1882	494311.06, 3859251.99	2.29E-03	3.61E-07	1.42E-07	2.34E-03	3.68E-07	1.45E-07	2.33E-03	3.68E-07	1.44E-07
1883	494361.06, 3859251.99	2.25E-03	3.54E-07	1.39E-07	2.30E-03	3.62E-07	1.42E-07	2.29E-03	3.61E-07	1.42E-07
1884	494411.06, 3859251.99	2.20E-03	3.46E-07	1.36E-07	2.24E-03	3.53E-07	1.39E-07	2.24E-03	3.53E-07	1.39E-07
1885	494461.06, 3859251.99	2.16E-03	3.41E-07	1.34E-07	2.21E-03	3.48E-07	1.37E-07	2.20E-03	3.47E-07	1.36E-07
1886	494511.06, 3859251.99	2.11E-03	3.32E-07	1.31E-07	2.15E-03	3.39E-07	1.33E-07	2.15E-03	3.39E-07	1.33E-07

1887	494561.06, 3859251.99	2.07E-03	3.27E-07	1.28E-07	2.12E-03	3.33E-07	1.31E-07	2.11E-03	3.33E-07	1.31E-07
1888	494611.06, 3859251.99	2.03E-03	3.20E-07	1.26E-07	2.07E-03	3.26E-07	1.28E-07	2.07E-03	3.26E-07	1.28E-07
1889	494661.06, 3859251.99	2.00E-03	3.16E-07	1.24E-07	2.04E-03	3.22E-07	1.27E-07	2.04E-03	3.22E-07	1.26E-07
1890	494711.06, 3859251.99	1.97E-03	3.10E-07	1.22E-07	2.01E-03	3.17E-07	1.24E-07	2.01E-03	3.16E-07	1.24E-07
1891	494761.06, 3859251.99	1.89E-03	2.98E-07	1.17E-07	1.93E-03	3.04E-07	1.19E-07	1.93E-03	3.03E-07	1.19E-07
1892	494811.06, 3859251.99	1.88E-03	2.96E-07	1.16E-07	1.92E-03	3.02E-07	1.19E-07	1.92E-03	3.02E-07	1.19E-07
1893	494861.06, 3859251.99	1.81E-03	2.85E-07	1.12E-07	1.84E-03	2.90E-07	1.14E-07	1.84E-03	2.90E-07	1.14E-07
1894	494911.06, 3859251.99	1.76E-03	2.77E-07	1.09E-07	1.80E-03	2.83E-07	1.11E-07	1.79E-03	2.83E-07	1.11E-07
1895	494961.06, 3859251.99	1.73E-03	2.72E-07	1.07E-07	1.76E-03	2.78E-07	1.09E-07	1.76E-03	2.78E-07	1.09E-07
1896	495011.06, 3859251.99	1.69E-03	2.67E-07	1.05E-07	1.73E-03	2.72E-07	1.07E-07	1.73E-03	2.72E-07	1.07E-07
1897	495061.06, 3859251.99	1.69E-03	2.66E-07	1.04E-07	1.72E-03	2.71E-07	1.07E-07	1.72E-03	2.71E-07	1.07E-07
1898	495111.06, 3859251.99	1.67E-03	2.63E-07	1.03E-07	1.70E-03	2.69E-07	1.05E-07	1.70E-03	2.68E-07	1.05E-07
1899	495161.06, 3859251.99	1.66E-03	2.61E-07	1.03E-07	1.69E-03	2.67E-07	1.05E-07	1.69E-03	2.66E-07	1.05E-07
1900	495211.06, 3859251.99	1.64E-03	2.58E-07	1.01E-07	1.67E-03	2.64E-07	1.04E-07	1.67E-03	2.63E-07	1.03E-07
1901	495261.06, 3859251.99	1.62E-03	2.56E-07	1.00E-07	1.66E-03	2.61E-07	1.02E-07	1.65E-03	2.61E-07	1.02E-07
1902	495311.06, 3859251.99	1.62E-03	2.56E-07	1.00E-07	1.66E-03	2.61E-07	1.02E-07	1.65E-03	2.61E-07	1.02E-07
1903	495361.06, 3859251.99	1.61E-03	2.54E-07	9.96E-08	1.64E-03	2.59E-07	1.02E-07	1.64E-03	2.58E-07	1.02E-07
1904	495411.06, 3859251.99	1.61E-03	2.53E-07	9.94E-08	1.64E-03	2.58E-07	1.01E-07	1.64E-03	2.58E-07	1.01E-07
1905	495461.06, 3859251.99	1.59E-03	2.51E-07	9.85E-08	1.62E-03	2.56E-07	1.01E-07	1.62E-03	2.56E-07	1.00E-07
1906	495511.06, 3859251.99	1.57E-03	2.47E-07	9.69E-08	1.60E-03	2.52E-07	9.89E-08	1.60E-03	2.51E-07	9.88E-08
1907	495561.06, 3859251.99	1.55E-03	2.44E-07	9.59E-08	1.58E-03	2.49E-07	9.78E-08	1.58E-03	2.49E-07	9.77E-08
1908	495611.06, 3859251.99	1.53E-03	2.40E-07	9.44E-08	1.56E-03	2.45E-07	9.64E-08	1.56E-03	2.45E-07	9.63E-08
1909	495661.06, 3859251.99	1.51E-03	2.38E-07	9.34E-08	1.54E-03	2.43E-07	9.53E-08	1.54E-03	2.42E-07	9.52E-08
1910	494311.06, 3859301.99	2.40E-03	3.78E-07	1.49E-07	2.45E-03	3.86E-07	1.52E-07	2.45E-03	3.86E-07	1.51E-07
1911	494361.06, 3859301.99	2.36E-03	3.71E-07	1.46E-07	2.40E-03	3.79E-07	1.49E-07	2.40E-03	3.78E-07	1.49E-07
1912	494411.06, 3859301.99	2.30E-03	3.62E-07	1.42E-07	2.35E-03	3.70E-07	1.45E-07	2.34E-03	3.69E-07	1.45E-07
1913	494461.06, 3859301.99	2.24E-03	3.54E-07	1.39E-07	2.29E-03	3.61E-07	1.42E-07	2.29E-03	3.60E-07	1.42E-07
1914	494511.06, 3859301.99	2.20E-03	3.46E-07	1.36E-07	2.24E-03	3.53E-07	1.39E-07	2.24E-03	3.53E-07	1.39E-07
1915	494561.06, 3859301.99	2.16E-03	3.40E-07	1.34E-07	2.20E-03	3.47E-07	1.36E-07	2.20E-03	3.47E-07	1.36E-07
1916	494611.06, 3859301.99	2.12E-03	3.34E-07	1.31E-07	2.16E-03	3.40E-07	1.34E-07	2.16E-03	3.40E-07	1.34E-07
1917	494661.06, 3859301.99	2.08E-03	3.27E-07	1.29E-07	2.12E-03	3.34E-07	1.31E-07	2.12E-03	3.34E-07	1.31E-07
1918	494711.06, 3859301.99	2.03E-03	3.20E-07	1.26E-07	2.07E-03	3.27E-07	1.28E-07	2.07E-03	3.26E-07	1.28E-07
1919	494761.06, 3859301.99	1.99E-03	3.14E-07	1.23E-07	2.03E-03	3.20E-07	1.26E-07	2.03E-03	3.20E-07	1.26E-07
1920	494811.06, 3859301.99	1.94E-03	3.06E-07	1.20E-07	1.98E-03	3.12E-07	1.23E-07	1.98E-03	3.11E-07	1.22E-07
1921	494861.06, 3859301.99	1.87E-03	2.95E-07	1.16E-07	1.91E-03	3.01E-07	1.18E-07	1.91E-03	3.00E-07	1.18E-07
1922	494911.06, 3859301.99	1.83E-03	2.89E-07	1.14E-07	1.87E-03	2.95E-07	1.16E-07	1.87E-03	2.95E-07	1.16E-07
1923	494961.06, 3859301.99	1.77E-03	2.78E-07	1.09E-07	1.80E-03	2.84E-07	1.12E-07	1.80E-03	2.84E-07	1.11E-07
1924	495011.06, 3859301.99	1.74E-03	2.74E-07	1.08E-07	1.78E-03	2.80E-07	1.10E-07	1.77E-03	2.79E-07	1.10E-07
1925	495061.06, 3859301.99	1.75E-03	2.76E-07	1.08E-07	1.79E-03	2.82E-07	1.11E-07	1.79E-03	2.81E-07	1.10E-07
1926	495111.06, 3859301.99	1.72E-03	2.71E-07	1.06E-07	1.76E-03	2.77E-07	1.09E-07	1.75E-03	2.76E-07	1.09E-07
1927	495161.06, 3859301.99	1.71E-03	2.70E-07	1.06E-07	1.75E-03	2.75E-07	1.08E-07	1.74E-03	2.75E-07	1.08E-07
1928	495211.06, 3859301.99	1.71E-03	2.70E-07	1.06E-07	1.75E-03	2.75E-07	1.08E-07	1.74E-03	2.75E-07	1.08E-07
1929	495261.06, 3859301.99	1.70E-03	2.68E-07	1.05E-07	1.74E-03	2.74E-07	1.08E-07	1.73E-03	2.73E-07	1.07E-07
1930	495311.06, 3859301.99	1.68E-03	2.64E-07	1.04E-07	1.71E-03	2.70E-07	1.06E-07	1.71E-03	2.69E-07	1.06E-07
1931	495361.06, 3859301.99	1.67E-03	2.63E-07	1.03E-07	1.70E-03	2.69E-07	1.06E-07	1.70E-03	2.68E-07	1.05E-07
1932	495411.06, 3859301.99	1.66E-03	2.61E-07	1.03E-07	1.69E-03	2.67E-07	1.05E-07	1.69E-03	2.66E-07	1.05E-07
1933	495461.06, 3859301.99	1.65E-03	2.60E-07	1.02E-07	1.68E-03	2.65E-07	1.04E-07	1.68E-03	2.65E-07	1.04E-07
1934	495511.06, 3859301.99	1.63E-03	2.56E-07	1.01E-07	1.66E-03	2.61E-07	1.03E-07	1.66E-03	2.61E-07	1.03E-07
1935	495561.06, 3859301.99	1.59E-03	2.51E-07	9.85E-08	1.62E-03	2.56E-07	1.01E-07	1.62E-03	2.56E-07	1.00E-07
1936	495611.06, 3859301.99	1.57E-03	2.48E-07	9.74E-08	1.61E-03	2.53E-07	9.94E-08	1.60E-03	2.53E-07	9.93E-08
1937	495661.06, 3859301.99	1.56E-03	2.45E-07	9.63E-08	1.59E-03	2.50E-07	9.83E-08	1.59E-03	2.50E-07	9.82E-08
1938	494311.06, 3859351.99	2.50E-03	3.94E-07	1.55E-07	2.55E-03	4.02E-07	1.58E-07	2.55E-03	4.02E-07	1.58E-07
1939	494361.06, 3859351.99	2.45E-03	3.86E-07	1.52E-07	2.50E-03	3.94E-07	1.55E-07	2.50E-03	3.94E-07	1.55E-07
1940	494411.06, 3859351.99	2.39E-03	3.76E-07	1.48E-07	2.44E-03	3.84E-07	1.51E-07	2.43E-03	3.83E-07	1.51E-07
1941	494461.06, 3859351.99	2.33E-03	3.67E-07	1.44E-07	2.38E-03	3.75E-07	1.47E-07	2.38E-03	3.74E-07	1.47E-07
1942	494511.06, 3859351.99	2.28E-03	3.60E-07	1.41E-07	2.33E-03	3.67E-07	1.44E-07	2.33E-03	3.67E-07	1.44E-07
1943	494561.06, 3859351.99	2.25E-03	3.54E-07	1.39E-07	2.29E-03	3.61E-07	1.42E-07	2.29E-03	3.61E-07	1.42E-07
1944	494611.06, 3859351.99	2.20E-03	3.47E-07	1.36E-07	2.25E-03	3.54E-07	1.39E-07	2.25E-03	3.54E-07	1.39E-07
1945	494661.06, 3859351.99	2.16E-03	3.40E-07	1.34E-07	2.20E-03	3.47E-07	1.36E-07	2.20E-03	3.47E-07	1.36E-07
1946	494711.06, 3859351.99	2.11E-03	3.32E-07	1.30E-07	2.15E-03	3.39E-07	1.33E-07	2.15E-03	3.38E-07	1.33E-07
1947	494761.06, 3859351.99	2.04E-03	3.21E-07	1.26E-07	2.08E-03	3.27E-07	1.29E-07	2.08E-03	3.27E-07	1.28E-07
1948	494811.06, 3859351.99	1.97E-03	3.10E-07	1.22E-07	2.01E-03	3.16E-07	1.24E-07	2.01E-03	3.16E-07	1.24E-07
1949	494861.06, 3859351.99	1.93E-03	3.05E-07	1.20E-07	1.97E-03	3.11E-07	1.22E-07	1.97E-03	3.11E-07	1.22E-07

1950	494911.06, 3859351.99	1.91E-03	3.01E-07	1.18E-07	1.95E-03	3.07E-07	1.21E-07	1.95E-03	3.07E-07	1.20E-07
1951	494961.06, 3859351.99	1.87E-03	2.95E-07	1.16E-07	1.91E-03	3.01E-07	1.18E-07	1.91E-03	3.01E-07	1.18E-07
1952	495011.06, 3859351.99	1.84E-03	2.91E-07	1.14E-07	1.88E-03	2.97E-07	1.17E-07	1.88E-03	2.96E-07	1.16E-07
1953	495061.06, 3859351.99	1.85E-03	2.91E-07	1.14E-07	1.89E-03	2.97E-07	1.17E-07	1.88E-03	2.97E-07	1.17E-07
1954	495111.06, 3859351.99	1.82E-03	2.87E-07	1.13E-07	1.86E-03	2.92E-07	1.15E-07	1.85E-03	2.92E-07	1.15E-07
1955	495161.06, 3859351.99	1.80E-03	2.84E-07	1.11E-07	1.84E-03	2.90E-07	1.14E-07	1.84E-03	2.89E-07	1.14E-07
1956	495211.06, 3859351.99	1.78E-03	2.81E-07	1.10E-07	1.82E-03	2.87E-07	1.13E-07	1.82E-03	2.86E-07	1.12E-07
1957	495261.06, 3859351.99	1.77E-03	2.79E-07	1.10E-07	1.81E-03	2.85E-07	1.12E-07	1.81E-03	2.84E-07	1.12E-07
1958	495311.06, 3859351.99	1.75E-03	2.75E-07	1.08E-07	1.78E-03	2.81E-07	1.10E-07	1.78E-03	2.80E-07	1.10E-07
1959	495361.06, 3859351.99	1.73E-03	2.73E-07	1.07E-07	1.77E-03	2.78E-07	1.09E-07	1.76E-03	2.78E-07	1.09E-07
1960	495411.06, 3859351.99	1.72E-03	2.71E-07	1.06E-07	1.75E-03	2.76E-07	1.09E-07	1.75E-03	2.76E-07	1.08E-07
1961	495461.06, 3859351.99	1.71E-03	2.70E-07	1.06E-07	1.75E-03	2.75E-07	1.08E-07	1.74E-03	2.75E-07	1.08E-07
1962	495511.06, 3859351.99	1.68E-03	2.65E-07	1.04E-07	1.71E-03	2.70E-07	1.06E-07	1.71E-03	2.70E-07	1.06E-07
1963	495561.06, 3859351.99	1.66E-03	2.61E-07	1.02E-07	1.69E-03	2.66E-07	1.05E-07	1.69E-03	2.66E-07	1.04E-07
1964	495611.06, 3859351.99	1.64E-03	2.58E-07	1.01E-07	1.67E-03	2.63E-07	1.03E-07	1.67E-03	2.63E-07	1.03E-07
1965	495661.06, 3859351.99	1.61E-03	2.53E-07	9.94E-08	1.64E-03	2.58E-07	1.01E-07	1.64E-03	2.58E-07	1.01E-07
1966	494311.06, 3859401.99	2.62E-03	4.13E-07	1.62E-07	2.67E-03	4.21E-07	1.66E-07	2.67E-03	4.21E-07	1.65E-07
1967	494361.06, 3859401.99	2.55E-03	4.01E-07	1.58E-07	2.60E-03	4.10E-07	1.61E-07	2.60E-03	4.09E-07	1.61E-07
1968	494411.06, 3859401.99	2.48E-03	3.90E-07	1.53E-07	2.53E-03	3.98E-07	1.56E-07	2.52E-03	3.98E-07	1.56E-07
1969	494461.06, 3859401.99	2.42E-03	3.82E-07	1.50E-07	2.47E-03	3.89E-07	1.53E-07	2.47E-03	3.89E-07	1.53E-07
1970	494511.06, 3859401.99	2.38E-03	3.76E-07	1.48E-07	2.43E-03	3.83E-07	1.51E-07	2.43E-03	3.83E-07	1.50E-07
1971	494561.06, 3859401.99	2.34E-03	3.69E-07	1.45E-07	2.39E-03	3.76E-07	1.48E-07	2.39E-03	3.76E-07	1.48E-07
1972	494611.06, 3859401.99	2.29E-03	3.61E-07	1.42E-07	2.34E-03	3.68E-07	1.45E-07	2.33E-03	3.68E-07	1.44E-07
1973	494661.06, 3859401.99	2.25E-03	3.55E-07	1.39E-07	2.30E-03	3.62E-07	1.42E-07	2.29E-03	3.62E-07	1.42E-07
1974	494711.06, 3859401.99	2.21E-03	3.48E-07	1.37E-07	2.25E-03	3.55E-07	1.39E-07	2.25E-03	3.55E-07	1.39E-07
1975	494761.06, 3859401.99	2.12E-03	3.34E-07	1.31E-07	2.17E-03	3.41E-07	1.34E-07	2.16E-03	3.41E-07	1.34E-07
1976	494811.06, 3859401.99	2.08E-03	3.28E-07	1.29E-07	2.12E-03	3.35E-07	1.31E-07	2.12E-03	3.34E-07	1.31E-07
1977	494861.06, 3859401.99	2.02E-03	3.18E-07	1.25E-07	2.06E-03	3.24E-07	1.27E-07	2.06E-03	3.24E-07	1.27E-07
1978	494911.06, 3859401.99	1.97E-03	3.10E-07	1.22E-07	2.01E-03	3.17E-07	1.24E-07	2.01E-03	3.16E-07	1.24E-07
1979	494961.06, 3859401.99	1.95E-03	3.07E-07	1.21E-07	1.99E-03	3.14E-07	1.23E-07	1.99E-03	3.13E-07	1.23E-07
1980	495011.06, 3859401.99	1.93E-03	3.04E-07	1.19E-07	1.97E-03	3.10E-07	1.22E-07	1.97E-03	3.10E-07	1.22E-07
1981	495061.06, 3859401.99	1.91E-03	3.00E-07	1.18E-07	1.95E-03	3.07E-07	1.20E-07	1.94E-03	3.06E-07	1.20E-07
1982	495111.06, 3859401.99	1.87E-03	2.95E-07	1.16E-07	1.91E-03	3.01E-07	1.18E-07	1.91E-03	3.01E-07	1.18E-07
1983	495161.06, 3859401.99	1.87E-03	2.94E-07	1.16E-07	1.90E-03	3.00E-07	1.18E-07	1.90E-03	3.00E-07	1.18E-07
1984	495211.06, 3859401.99	1.86E-03	2.92E-07	1.15E-07	1.89E-03	2.98E-07	1.17E-07	1.89E-03	2.98E-07	1.17E-07
1985	495261.06, 3859401.99	1.84E-03	2.89E-07	1.14E-07	1.87E-03	2.95E-07	1.16E-07	1.87E-03	2.95E-07	1.16E-07
1986	495311.06, 3859401.99	1.82E-03	2.86E-07	1.12E-07	1.85E-03	2.92E-07	1.15E-07	1.85E-03	2.91E-07	1.14E-07
1987	495361.06, 3859401.99	1.81E-03	2.85E-07	1.12E-07	1.84E-03	2.91E-07	1.14E-07	1.84E-03	2.90E-07	1.14E-07
1988	495411.06, 3859401.99	1.79E-03	2.82E-07	1.11E-07	1.83E-03	2.88E-07	1.13E-07	1.83E-03	2.88E-07	1.13E-07
1989	495461.06, 3859401.99	1.77E-03	2.79E-07	1.09E-07	1.80E-03	2.84E-07	1.12E-07	1.80E-03	2.84E-07	1.12E-07
1990	495511.06, 3859401.99	1.74E-03	2.73E-07	1.07E-07	1.77E-03	2.79E-07	1.10E-07	1.77E-03	2.79E-07	1.09E-07
1991	495561.06, 3859401.99	1.70E-03	2.68E-07	1.05E-07	1.73E-03	2.73E-07	1.07E-07	1.73E-03	2.73E-07	1.07E-07
1992	495611.06, 3859401.99	1.68E-03	2.64E-07	1.04E-07	1.71E-03	2.70E-07	1.06E-07	1.71E-03	2.69E-07	1.06E-07
1993	495661.06, 3859401.99	1.66E-03	2.61E-07	1.03E-07	1.69E-03	2.67E-07	1.05E-07	1.69E-03	2.66E-07	1.05E-07
1994	494311.06, 3859451.99	2.71E-03	4.27E-07	1.68E-07	2.77E-03	4.36E-07	1.71E-07	2.76E-03	4.35E-07	1.71E-07
1995	494361.06, 3859451.99	2.64E-03	4.16E-07	1.64E-07	2.70E-03	4.25E-07	1.67E-07	2.69E-03	4.24E-07	1.67E-07
1996	494411.06, 3859451.99	2.55E-03	4.02E-07	1.58E-07	2.60E-03	4.10E-07	1.61E-07	2.60E-03	4.09E-07	1.61E-07
1997	494461.06, 3859451.99	2.51E-03	3.96E-07	1.56E-07	2.57E-03	4.04E-07	1.59E-07	2.56E-03	4.04E-07	1.59E-07
1998	494511.06, 3859451.99	2.46E-03	3.87E-07	1.52E-07	2.51E-03	3.95E-07	1.55E-07	2.51E-03	3.95E-07	1.55E-07
1999	494561.06, 3859451.99	2.41E-03	3.80E-07	1.49E-07	2.46E-03	3.88E-07	1.52E-07	2.46E-03	3.88E-07	1.52E-07
2000	494611.06, 3859451.99	2.39E-03	3.76E-07	1.48E-07	2.43E-03	3.84E-07	1.51E-07	2.43E-03	3.83E-07	1.50E-07
2001	494661.06, 3859451.99	2.33E-03	3.67E-07	1.44E-07	2.38E-03	3.75E-07	1.47E-07	2.38E-03	3.74E-07	1.47E-07
2002	494711.06, 3859451.99	2.28E-03	3.59E-07	1.41E-07	2.32E-03	3.66E-07	1.44E-07	2.32E-03	3.66E-07	1.44E-07
2003	494761.06, 3859451.99	2.23E-03	3.52E-07	1.38E-07	2.28E-03	3.59E-07	1.41E-07	2.27E-03	3.58E-07	1.41E-07
2004	494811.06, 3859451.99	2.17E-03	3.42E-07	1.34E-07	2.21E-03	3.49E-07	1.37E-07	2.21E-03	3.48E-07	1.37E-07
2005	494861.06, 3859451.99	2.12E-03	3.34E-07	1.31E-07	2.16E-03	3.40E-07	1.34E-07	2.16E-03	3.40E-07	1.34E-07
2006	494911.06, 3859451.99	2.08E-03	3.27E-07	1.29E-07	2.12E-03	3.34E-07	1.31E-07	2.12E-03	3.34E-07	1.31E-07
2007	494961.06, 3859451.99	2.05E-03	3.23E-07	1.27E-07	2.09E-03	3.30E-07	1.30E-07	2.09E-03	3.29E-07	1.29E-07
2008	495011.06, 3859451.99	2.02E-03	3.18E-07	1.25E-07	2.06E-03	3.25E-07	1.28E-07	2.06E-03	3.25E-07	1.28E-07
2009	495061.06, 3859451.99	1.99E-03	3.14E-07	1.23E-07	2.03E-03	3.20E-07	1.26E-07	2.03E-03	3.20E-07	1.26E-07
2010	495111.06, 3859451.99	1.96E-03	3.09E-07	1.21E-07	2.00E-03	3.15E-07	1.24E-07	2.00E-03	3.15E-07	1.24E-07
2011	495161.06, 3859451.99	1.94E-03	3.06E-07	1.20E-07	1.98E-03	3.13E-07	1.23E-07	1.98E-03	3.12E-07	1.23E-07
2012	495211.06, 3859451.99	1.93E-03	3.04E-07	1.20E-07	1.97E-03	3.10E-07	1.22E-07	1.97E-03	3.10E-07	1.22E-07

2013	495261.06, 3859451.99	1.92E-03	3.02E-07	1.19E-07	1.96E-03	3.08E-07	1.21E-07	1.95E-03	3.08E-07	1.21E-07
2014	495311.06, 3859451.99	1.89E-03	2.98E-07	1.17E-07	1.93E-03	3.04E-07	1.19E-07	1.93E-03	3.04E-07	1.19E-07
2015	495361.06, 3859451.99	1.87E-03	2.95E-07	1.16E-07	1.91E-03	3.01E-07	1.18E-07	1.91E-03	3.01E-07	1.18E-07
2016	495411.06, 3859451.99	1.85E-03	2.91E-07	1.14E-07	1.89E-03	2.97E-07	1.17E-07	1.88E-03	2.97E-07	1.17E-07
2017	495461.06, 3859451.99	1.83E-03	2.88E-07	1.13E-07	1.87E-03	2.94E-07	1.15E-07	1.86E-03	2.94E-07	1.15E-07
2018	495511.06, 3859451.99	1.79E-03	2.82E-07	1.11E-07	1.83E-03	2.88E-07	1.13E-07	1.82E-03	2.87E-07	1.13E-07
2019	495561.06, 3859451.99	1.76E-03	2.78E-07	1.09E-07	1.80E-03	2.84E-07	1.11E-07	1.80E-03	2.83E-07	1.11E-07
2020	495611.06, 3859451.99	1.74E-03	2.74E-07	1.08E-07	1.77E-03	2.80E-07	1.10E-07	1.77E-03	2.79E-07	1.10E-07
2021	495661.06, 3859451.99	1.72E-03	2.70E-07	1.06E-07	1.75E-03	2.76E-07	1.08E-07	1.75E-03	2.76E-07	1.08E-07
2022	494311.06, 3859501.99	2.82E-03	4.44E-07	1.74E-07	2.87E-03	4.53E-07	1.78E-07	2.87E-03	4.52E-07	1.78E-07
2023	494361.06, 3859501.99	2.74E-03	4.32E-07	1.70E-07	2.80E-03	4.41E-07	1.73E-07	2.79E-03	4.40E-07	1.73E-07
2024	494411.06, 3859501.99	2.62E-03	4.13E-07	1.62E-07	2.68E-03	4.22E-07	1.66E-07	2.67E-03	4.21E-07	1.66E-07
2025	494461.06, 3859501.99	2.61E-03	4.12E-07	1.62E-07	2.67E-03	4.20E-07	1.65E-07	2.66E-03	4.20E-07	1.65E-07
2026	494511.06, 3859501.99	2.55E-03	4.02E-07	1.58E-07	2.60E-03	4.10E-07	1.61E-07	2.60E-03	4.09E-07	1.61E-07
2027	494561.06, 3859501.99	2.49E-03	3.93E-07	1.54E-07	2.55E-03	4.01E-07	1.58E-07	2.54E-03	4.00E-07	1.57E-07
2028	494611.06, 3859501.99	2.49E-03	3.92E-07	1.54E-07	2.54E-03	4.00E-07	1.57E-07	2.54E-03	3.99E-07	1.57E-07
2029	494661.06, 3859501.99	2.42E-03	3.81E-07	1.50E-07	2.47E-03	3.89E-07	1.53E-07	2.47E-03	3.89E-07	1.53E-07
2030	494711.06, 3859501.99	2.35E-03	3.69E-07	1.45E-07	2.39E-03	3.77E-07	1.48E-07	2.39E-03	3.77E-07	1.48E-07
2031	494761.06, 3859501.99	2.32E-03	3.66E-07	1.44E-07	2.37E-03	3.74E-07	1.47E-07	2.37E-03	3.73E-07	1.47E-07
2032	494811.06, 3859501.99	2.24E-03	3.52E-07	1.38E-07	2.28E-03	3.59E-07	1.41E-07	2.28E-03	3.59E-07	1.41E-07
2033	494861.06, 3859501.99	2.20E-03	3.46E-07	1.36E-07	2.24E-03	3.53E-07	1.39E-07	2.24E-03	3.53E-07	1.39E-07
2034	494911.06, 3859501.99	2.17E-03	3.42E-07	1.34E-07	2.21E-03	3.49E-07	1.37E-07	2.21E-03	3.48E-07	1.37E-07
2035	494961.06, 3859501.99	2.12E-03	3.35E-07	1.32E-07	2.17E-03	3.42E-07	1.34E-07	2.17E-03	3.41E-07	1.34E-07
2036	495011.06, 3859501.99	2.10E-03	3.31E-07	1.30E-07	2.14E-03	3.38E-07	1.33E-07	2.14E-03	3.37E-07	1.32E-07
2037	495061.06, 3859501.99	2.08E-03	3.27E-07	1.29E-07	2.12E-03	3.34E-07	1.31E-07	2.12E-03	3.33E-07	1.31E-07
2038	495111.06, 3859501.99	2.04E-03	3.21E-07	1.26E-07	2.08E-03	3.27E-07	1.29E-07	2.07E-03	3.27E-07	1.28E-07
2039	495161.06, 3859501.99	2.01E-03	3.17E-07	1.25E-07	2.06E-03	3.24E-07	1.27E-07	2.05E-03	3.23E-07	1.27E-07
2040	495211.06, 3859501.99	2.00E-03	3.15E-07	1.24E-07	2.04E-03	3.22E-07	1.26E-07	2.04E-03	3.21E-07	1.26E-07
2041	495261.06, 3859501.99	1.98E-03	3.12E-07	1.23E-07	2.02E-03	3.18E-07	1.25E-07	2.02E-03	3.18E-07	1.25E-07
2042	495311.06, 3859501.99	1.96E-03	3.09E-07	1.21E-07	2.00E-03	3.15E-07	1.24E-07	2.00E-03	3.15E-07	1.24E-07
2043	495361.06, 3859501.99	1.94E-03	3.05E-07	1.20E-07	1.98E-03	3.12E-07	1.22E-07	1.98E-03	3.11E-07	1.22E-07
2044	495411.06, 3859501.99	1.92E-03	3.02E-07	1.19E-07	1.96E-03	3.08E-07	1.21E-07	1.95E-03	3.08E-07	1.21E-07
2045	495461.06, 3859501.99	1.89E-03	2.98E-07	1.17E-07	1.93E-03	3.04E-07	1.19E-07	1.93E-03	3.04E-07	1.19E-07
2046	495511.06, 3859501.99	1.84E-03	2.89E-07	1.14E-07	1.87E-03	2.95E-07	1.16E-07	1.87E-03	2.95E-07	1.16E-07
2047	495561.06, 3859501.99	1.83E-03	2.88E-07	1.13E-07	1.87E-03	2.94E-07	1.15E-07	1.86E-03	2.93E-07	1.15E-07
2048	495611.06, 3859501.99	1.80E-03	2.84E-07	1.11E-07	1.84E-03	2.89E-07	1.14E-07	1.83E-03	2.89E-07	1.14E-07
2049	495661.06, 3859501.99	1.77E-03	2.79E-07	1.10E-07	1.81E-03	2.84E-07	1.12E-07	1.80E-03	2.84E-07	1.12E-07
2050	494311.06, 3859551.99	2.92E-03	4.59E-07	1.81E-07	2.98E-03	4.69E-07	1.84E-07	2.97E-03	4.68E-07	1.84E-07
2051	494361.06, 3859551.99	2.81E-03	4.43E-07	1.74E-07	2.87E-03	4.52E-07	1.78E-07	2.87E-03	4.51E-07	1.77E-07
2052	494411.06, 3859551.99	2.69E-03	4.24E-07	1.67E-07	2.75E-03	4.33E-07	1.70E-07	2.74E-03	4.32E-07	1.70E-07
2053	494461.06, 3859551.99	2.70E-03	4.26E-07	1.67E-07	2.76E-03	4.34E-07	1.71E-07	2.75E-03	4.34E-07	1.70E-07
2054	494511.06, 3859551.99	2.64E-03	4.15E-07	1.63E-07	2.69E-03	4.24E-07	1.66E-07	2.69E-03	4.23E-07	1.66E-07
2055	494561.06, 3859551.99	2.58E-03	4.07E-07	1.60E-07	2.64E-03	4.16E-07	1.63E-07	2.63E-03	4.15E-07	1.63E-07
2056	494611.06, 3859551.99	2.55E-03	4.02E-07	1.58E-07	2.60E-03	4.10E-07	1.61E-07	2.60E-03	4.10E-07	1.61E-07
2057	494661.06, 3859551.99	2.51E-03	3.95E-07	1.55E-07	2.56E-03	4.03E-07	1.58E-07	2.56E-03	4.03E-07	1.58E-07
2058	494711.06, 3859551.99	2.40E-03	3.77E-07	1.48E-07	2.45E-03	3.85E-07	1.51E-07	2.44E-03	3.85E-07	1.51E-07
2059	494761.06, 3859551.99	2.41E-03	3.79E-07	1.49E-07	2.45E-03	3.87E-07	1.52E-07	2.45E-03	3.86E-07	1.52E-07
2060	494811.06, 3859551.99	2.32E-03	3.66E-07	1.44E-07	2.37E-03	3.74E-07	1.47E-07	2.37E-03	3.73E-07	1.47E-07
2061	494861.06, 3859551.99	2.29E-03	3.60E-07	1.41E-07	2.33E-03	3.67E-07	1.44E-07	2.33E-03	3.67E-07	1.44E-07
2062	494911.06, 3859551.99	2.24E-03	3.53E-07	1.39E-07	2.29E-03	3.60E-07	1.41E-07	2.28E-03	3.60E-07	1.41E-07
2063	494961.06, 3859551.99	2.21E-03	3.49E-07	1.37E-07	2.26E-03	3.56E-07	1.40E-07	2.26E-03	3.55E-07	1.40E-07
2064	495011.06, 3859551.99	2.19E-03	3.45E-07	1.36E-07	2.24E-03	3.52E-07	1.38E-07	2.23E-03	3.52E-07	1.38E-07
2065	495061.06, 3859551.99	2.16E-03	3.40E-07	1.33E-07	2.20E-03	3.47E-07	1.36E-07	2.20E-03	3.46E-07	1.36E-07
2066	495111.06, 3859551.99	2.12E-03	3.33E-07	1.31E-07	2.16E-03	3.40E-07	1.34E-07	2.16E-03	3.40E-07	1.33E-07
2067	495161.06, 3859551.99	2.10E-03	3.30E-07	1.30E-07	2.14E-03	3.37E-07	1.32E-07	2.14E-03	3.36E-07	1.32E-07
2068	495211.06, 3859551.99	2.08E-03	3.28E-07	1.29E-07	2.12E-03	3.35E-07	1.31E-07	2.12E-03	3.34E-07	1.31E-07
2069	495261.06, 3859551.99	2.05E-03	3.23E-07	1.27E-07	2.09E-03	3.29E-07	1.29E-07	2.09E-03	3.29E-07	1.29E-07
2070	495311.06, 3859551.99	2.02E-03	3.18E-07	1.25E-07	2.06E-03	3.25E-07	1.28E-07	2.06E-03	3.25E-07	1.27E-07
2071	495361.06, 3859551.99	2.00E-03	3.15E-07	1.24E-07	2.04E-03	3.21E-07	1.26E-07	2.04E-03	3.21E-07	1.26E-07
2072	495411.06, 3859551.99	1.98E-03	3.12E-07	1.23E-07	2.02E-03	3.18E-07	1.25E-07	2.02E-03	3.18E-07	1.25E-07
2073	495461.06, 3859551.99	1.94E-03	3.06E-07	1.20E-07	1.98E-03	3.12E-07	1.23E-07	1.98E-03	3.12E-07	1.23E-07
2074	495511.06, 3859551.99	1.90E-03	3.00E-07	1.18E-07	1.94E-03	3.06E-07	1.20E-07	1.94E-03	3.06E-07	1.20E-07
2075	495561.06, 3859551.99	1.88E-03	2.96E-07	1.16E-07	1.92E-03	3.02E-07	1.19E-07	1.91E-03	3.02E-07	1.19E-07

2076	495611.06, 3859551.99	1.85E-03	2.92E-07	1.15E-07	1.89E-03	2.98E-07	1.17E-07	1.89E-03	2.98E-07	1.17E-07
2077	495661.06, 3859551.99	1.82E-03	2.87E-07	1.13E-07	1.86E-03	2.93E-07	1.15E-07	1.86E-03	2.93E-07	1.15E-07
2078	494311.06, 3859601.99	3.03E-03	4.77E-07	1.88E-07	3.09E-03	4.87E-07	1.91E-07	3.09E-03	4.86E-07	1.91E-07
2079	494361.06, 3859601.99	2.88E-03	4.53E-07	1.78E-07	2.94E-03	4.63E-07	1.82E-07	2.93E-03	4.62E-07	1.81E-07
2080	494411.06, 3859601.99	2.80E-03	4.41E-07	1.73E-07	2.85E-03	4.50E-07	1.77E-07	2.85E-03	4.49E-07	1.76E-07
2081	494461.06, 3859601.99	2.79E-03	4.40E-07	1.73E-07	2.85E-03	4.49E-07	1.76E-07	2.85E-03	4.49E-07	1.76E-07
2082	494511.06, 3859601.99	2.70E-03	4.26E-07	1.67E-07	2.76E-03	4.34E-07	1.71E-07	2.75E-03	4.34E-07	1.70E-07
2083	494561.06, 3859601.99	2.69E-03	4.23E-07	1.66E-07	2.74E-03	4.32E-07	1.70E-07	2.74E-03	4.32E-07	1.70E-07
2084	494611.06, 3859601.99	2.66E-03	4.19E-07	1.64E-07	2.71E-03	4.27E-07	1.68E-07	2.71E-03	4.27E-07	1.68E-07
2085	494661.06, 3859601.99	2.56E-03	4.03E-07	1.58E-07	2.61E-03	4.11E-07	1.61E-07	2.60E-03	4.10E-07	1.61E-07
2086	494711.06, 3859601.99	2.48E-03	3.90E-07	1.53E-07	2.53E-03	3.98E-07	1.57E-07	2.53E-03	3.98E-07	1.56E-07
2087	494761.06, 3859601.99	2.51E-03	3.95E-07	1.55E-07	2.56E-03	4.03E-07	1.58E-07	2.55E-03	4.02E-07	1.58E-07
2088	494811.06, 3859601.99	2.42E-03	3.81E-07	1.50E-07	2.47E-03	3.89E-07	1.53E-07	2.46E-03	3.88E-07	1.53E-07
2089	494861.06, 3859601.99	2.38E-03	3.75E-07	1.47E-07	2.43E-03	3.83E-07	1.50E-07	2.43E-03	3.82E-07	1.50E-07
2090	494911.06, 3859601.99	2.32E-03	3.65E-07	1.43E-07	2.36E-03	3.72E-07	1.46E-07	2.36E-03	3.72E-07	1.46E-07
2091	494961.06, 3859601.99	2.31E-03	3.65E-07	1.43E-07	2.36E-03	3.72E-07	1.46E-07	2.36E-03	3.72E-07	1.46E-07
2092	495011.06, 3859601.99	2.25E-03	3.54E-07	1.39E-07	2.30E-03	3.62E-07	1.42E-07	2.29E-03	3.61E-07	1.42E-07
2093	495061.06, 3859601.99	2.24E-03	3.52E-07	1.38E-07	2.28E-03	3.59E-07	1.41E-07	2.28E-03	3.59E-07	1.41E-07
2094	495111.06, 3859601.99	2.19E-03	3.45E-07	1.35E-07	2.23E-03	3.52E-07	1.38E-07	2.23E-03	3.51E-07	1.38E-07
2095	495161.06, 3859601.99	2.17E-03	3.42E-07	1.34E-07	2.21E-03	3.49E-07	1.37E-07	2.21E-03	3.48E-07	1.37E-07
2096	495211.06, 3859601.99	2.14E-03	3.37E-07	1.33E-07	2.19E-03	3.44E-07	1.35E-07	2.18E-03	3.44E-07	1.35E-07
2097	495261.06, 3859601.99	2.12E-03	3.34E-07	1.31E-07	2.16E-03	3.41E-07	1.34E-07	2.16E-03	3.40E-07	1.34E-07
2098	495311.06, 3859601.99	2.10E-03	3.31E-07	1.30E-07	2.14E-03	3.37E-07	1.32E-07	2.14E-03	3.37E-07	1.32E-07
2099	495361.06, 3859601.99	2.07E-03	3.26E-07	1.28E-07	2.11E-03	3.32E-07	1.31E-07	2.11E-03	3.32E-07	1.30E-07
2100	495411.06, 3859601.99	2.05E-03	3.22E-07	1.27E-07	2.09E-03	3.29E-07	1.29E-07	2.09E-03	3.29E-07	1.29E-07
2101	495461.06, 3859601.99	2.00E-03	3.15E-07	1.24E-07	2.04E-03	3.21E-07	1.26E-07	2.04E-03	3.21E-07	1.26E-07
2102	495511.06, 3859601.99	1.96E-03	3.08E-07	1.21E-07	2.00E-03	3.14E-07	1.24E-07	1.99E-03	3.14E-07	1.23E-07
2103	495561.06, 3859601.99	1.94E-03	3.06E-07	1.20E-07	1.98E-03	3.12E-07	1.23E-07	1.98E-03	3.12E-07	1.23E-07
2104	495611.06, 3859601.99	1.90E-03	2.99E-07	1.17E-07	1.93E-03	3.05E-07	1.20E-07	1.93E-03	3.04E-07	1.20E-07
2105	495661.06, 3859601.99	1.88E-03	2.96E-07	1.16E-07	1.92E-03	3.02E-07	1.19E-07	1.91E-03	3.01E-07	1.18E-07
2106	494311.06, 3859651.99	3.10E-03	4.88E-07	1.92E-07	3.16E-03	4.98E-07	1.96E-07	3.16E-03	4.98E-07	1.95E-07
2107	494361.06, 3859651.99	2.96E-03	4.66E-07	1.83E-07	3.02E-03	4.75E-07	1.87E-07	3.01E-03	4.75E-07	1.87E-07
2108	494411.06, 3859651.99	2.90E-03	4.57E-07	1.79E-07	2.96E-03	4.66E-07	1.83E-07	2.95E-03	4.65E-07	1.83E-07
2109	494461.06, 3859651.99	2.89E-03	4.56E-07	1.79E-07	2.95E-03	4.65E-07	1.83E-07	2.95E-03	4.64E-07	1.82E-07
2110	494511.06, 3859651.99	2.83E-03	4.46E-07	1.75E-07	2.89E-03	4.55E-07	1.79E-07	2.88E-03	4.54E-07	1.79E-07
2111	494561.06, 3859651.99	2.79E-03	4.39E-07	1.73E-07	2.85E-03	4.48E-07	1.76E-07	2.84E-03	4.48E-07	1.76E-07
2112	494611.06, 3859651.99	2.74E-03	4.32E-07	1.70E-07	2.80E-03	4.41E-07	1.73E-07	2.80E-03	4.41E-07	1.73E-07
2113	494661.06, 3859651.99	2.62E-03	4.13E-07	1.62E-07	2.68E-03	4.22E-07	1.66E-07	2.67E-03	4.21E-07	1.65E-07
2114	494711.06, 3859651.99	2.59E-03	4.07E-07	1.60E-07	2.64E-03	4.16E-07	1.63E-07	2.64E-03	4.15E-07	1.63E-07
2115	494761.06, 3859651.99	2.57E-03	4.05E-07	1.59E-07	2.62E-03	4.13E-07	1.62E-07	2.62E-03	4.12E-07	1.62E-07
2116	494811.06, 3859651.99	2.50E-03	3.95E-07	1.55E-07	2.56E-03	4.03E-07	1.58E-07	2.55E-03	4.02E-07	1.58E-07
2117	494861.06, 3859651.99	2.47E-03	3.89E-07	1.53E-07	2.52E-03	3.97E-07	1.56E-07	2.52E-03	3.97E-07	1.56E-07
2118	494911.06, 3859651.99	2.42E-03	3.82E-07	1.50E-07	2.47E-03	3.90E-07	1.53E-07	2.47E-03	3.89E-07	1.53E-07
2119	494961.06, 3859651.99	2.39E-03	3.76E-07	1.48E-07	2.44E-03	3.84E-07	1.51E-07	2.43E-03	3.84E-07	1.51E-07
2120	495011.06, 3859651.99	2.35E-03	3.70E-07	1.45E-07	2.40E-03	3.77E-07	1.48E-07	2.39E-03	3.77E-07	1.48E-07
2121	495061.06, 3859651.99	2.32E-03	3.66E-07	1.44E-07	2.37E-03	3.73E-07	1.47E-07	2.37E-03	3.73E-07	1.46E-07
2122	495111.06, 3859651.99	2.28E-03	3.59E-07	1.41E-07	2.32E-03	3.66E-07	1.44E-07	2.32E-03	3.66E-07	1.44E-07
2123	495161.06, 3859651.99	2.25E-03	3.54E-07	1.39E-07	2.29E-03	3.61E-07	1.42E-07	2.29E-03	3.61E-07	1.42E-07
2124	495211.06, 3859651.99	2.22E-03	3.50E-07	1.37E-07	2.27E-03	3.57E-07	1.40E-07	2.26E-03	3.56E-07	1.40E-07
2125	495261.06, 3859651.99	2.19E-03	3.45E-07	1.35E-07	2.23E-03	3.52E-07	1.38E-07	2.23E-03	3.51E-07	1.38E-07
2126	495311.06, 3859651.99	2.16E-03	3.40E-07	1.34E-07	2.20E-03	3.47E-07	1.36E-07	2.20E-03	3.47E-07	1.36E-07
2127	495361.06, 3859651.99	2.14E-03	3.36E-07	1.32E-07	2.18E-03	3.43E-07	1.35E-07	2.18E-03	3.43E-07	1.35E-07
2128	495411.06, 3859651.99	2.11E-03	3.32E-07	1.30E-07	2.15E-03	3.38E-07	1.33E-07	2.15E-03	3.38E-07	1.33E-07
2129	495461.06, 3859651.99	2.06E-03	3.24E-07	1.27E-07	2.10E-03	3.31E-07	1.30E-07	2.10E-03	3.30E-07	1.30E-07
2130	495511.06, 3859651.99	2.01E-03	3.17E-07	1.25E-07	2.06E-03	3.24E-07	1.27E-07	2.05E-03	3.24E-07	1.27E-07
2131	495561.06, 3859651.99	1.99E-03	3.14E-07	1.23E-07	2.03E-03	3.20E-07	1.26E-07	2.03E-03	3.20E-07	1.26E-07
2132	495611.06, 3859651.99	1.96E-03	3.09E-07	1.21E-07	2.00E-03	3.15E-07	1.24E-07	2.00E-03	3.15E-07	1.24E-07
2133	495661.06, 3859651.99	1.93E-03	3.04E-07	1.19E-07	1.97E-03	3.10E-07	1.22E-07	1.96E-03	3.10E-07	1.22E-07
2134	494311.06, 3859701.99	3.08E-03	4.85E-07	1.91E-07	3.14E-03	4.95E-07	1.94E-07	3.14E-03	4.94E-07	1.94E-07
2135	494361.06, 3859701.99	3.01E-03	4.75E-07	1.86E-07	3.07E-03	4.84E-07	1.90E-07	3.07E-03	4.84E-07	1.90E-07
2136	494411.06, 3859701.99	2.97E-03	4.69E-07	1.84E-07	3.04E-03	4.78E-07	1.88E-07	3.03E-03	4.78E-07	1.88E-07
2137	494461.06, 3859701.99	2.99E-03	4.70E-07	1.85E-07	3.05E-03	4.80E-07	1.89E-07	3.04E-03	4.79E-07	1.88E-07
2138	494511.06, 3859701.99	2.93E-03	4.61E-07	1.81E-07	2.99E-03	4.71E-07	1.85E-07	2.98E-03	4.70E-07	1.85E-07

2139	494561.06, 3859701.99	2.89E-03	4.55E-07	1.79E-07	2.95E-03	4.64E-07	1.82E-07	2.94E-03	4.64E-07	1.82E-07
2140	494611.06, 3859701.99	2.84E-03	4.48E-07	1.76E-07	2.90E-03	4.57E-07	1.80E-07	2.90E-03	4.57E-07	1.79E-07
2141	494661.06, 3859701.99	2.72E-03	4.28E-07	1.68E-07	2.77E-03	4.36E-07	1.71E-07	2.77E-03	4.36E-07	1.71E-07
2142	494711.06, 3859701.99	2.70E-03	4.25E-07	1.67E-07	2.75E-03	4.33E-07	1.70E-07	2.75E-03	4.33E-07	1.70E-07
2143	494761.06, 3859701.99	2.63E-03	4.15E-07	1.63E-07	2.69E-03	4.24E-07	1.66E-07	2.69E-03	4.23E-07	1.66E-07
2144	494811.06, 3859701.99	2.57E-03	4.06E-07	1.59E-07	2.63E-03	4.14E-07	1.63E-07	2.62E-03	4.13E-07	1.62E-07
2145	494861.06, 3859701.99	2.56E-03	4.03E-07	1.58E-07	2.61E-03	4.12E-07	1.62E-07	2.61E-03	4.11E-07	1.62E-07
2146	494911.06, 3859701.99	2.51E-03	3.96E-07	1.55E-07	2.56E-03	4.04E-07	1.59E-07	2.56E-03	4.03E-07	1.58E-07
2147	494961.06, 3859701.99	2.46E-03	3.88E-07	1.52E-07	2.51E-03	3.96E-07	1.56E-07	2.51E-03	3.96E-07	1.55E-07
2148	495011.06, 3859701.99	2.44E-03	3.84E-07	1.51E-07	2.48E-03	3.91E-07	1.54E-07	2.48E-03	3.91E-07	1.54E-07
2149	495061.06, 3859701.99	2.40E-03	3.78E-07	1.48E-07	2.45E-03	3.85E-07	1.51E-07	2.44E-03	3.85E-07	1.51E-07
2150	495111.06, 3859701.99	2.36E-03	3.71E-07	1.46E-07	2.41E-03	3.79E-07	1.49E-07	2.40E-03	3.79E-07	1.49E-07
2151	495161.06, 3859701.99	2.32E-03	3.65E-07	1.43E-07	2.36E-03	3.72E-07	1.46E-07	2.36E-03	3.72E-07	1.46E-07
2152	495211.06, 3859701.99	2.27E-03	3.58E-07	1.41E-07	2.32E-03	3.66E-07	1.44E-07	2.32E-03	3.65E-07	1.43E-07
2153	495261.06, 3859701.99	2.26E-03	3.56E-07	1.40E-07	2.31E-03	3.63E-07	1.43E-07	2.30E-03	3.63E-07	1.43E-07
2154	495311.06, 3859701.99	2.22E-03	3.50E-07	1.38E-07	2.27E-03	3.57E-07	1.40E-07	2.26E-03	3.57E-07	1.40E-07
2155	495361.06, 3859701.99	2.19E-03	3.45E-07	1.35E-07	2.23E-03	3.52E-07	1.38E-07	2.23E-03	3.51E-07	1.38E-07
2156	495411.06, 3859701.99	2.14E-03	3.38E-07	1.33E-07	2.19E-03	3.45E-07	1.35E-07	2.18E-03	3.44E-07	1.35E-07
2157	495461.06, 3859701.99	2.11E-03	3.32E-07	1.30E-07	2.15E-03	3.39E-07	1.33E-07	2.15E-03	3.39E-07	1.33E-07
2158	495511.06, 3859701.99	2.05E-03	3.23E-07	1.27E-07	2.09E-03	3.30E-07	1.30E-07	2.09E-03	3.29E-07	1.29E-07
2159	495561.06, 3859701.99	2.04E-03	3.22E-07	1.27E-07	2.09E-03	3.29E-07	1.29E-07	2.08E-03	3.28E-07	1.29E-07
2160	495611.06, 3859701.99	2.01E-03	3.17E-07	1.25E-07	2.05E-03	3.24E-07	1.27E-07	2.05E-03	3.23E-07	1.27E-07
2161	495661.06, 3859701.99	1.98E-03	3.12E-07	1.23E-07	2.02E-03	3.18E-07	1.25E-07	2.02E-03	3.18E-07	1.25E-07
2162	494311.06, 3859751.99	3.20E-03	5.05E-07	1.98E-07	3.27E-03	5.15E-07	2.02E-07	3.27E-03	5.14E-07	2.02E-07
2163	494361.06, 3859751.99	3.14E-03	4.95E-07	1.94E-07	3.20E-03	5.05E-07	1.98E-07	3.20E-03	5.04E-07	1.98E-07
2164	494411.06, 3859751.99	3.07E-03	4.83E-07	1.90E-07	3.13E-03	4.93E-07	1.94E-07	3.13E-03	4.92E-07	1.93E-07
2165	494461.06, 3859751.99	3.06E-03	4.82E-07	1.89E-07	3.12E-03	4.92E-07	1.93E-07	3.12E-03	4.92E-07	1.93E-07
2166	494511.06, 3859751.99	3.04E-03	4.78E-07	1.88E-07	3.10E-03	4.88E-07	1.92E-07	3.09E-03	4.88E-07	1.92E-07
2167	494561.06, 3859751.99	2.98E-03	4.69E-07	1.84E-07	3.04E-03	4.79E-07	1.88E-07	3.04E-03	4.78E-07	1.88E-07
2168	494611.06, 3859751.99	2.91E-03	4.58E-07	1.80E-07	2.97E-03	4.68E-07	1.84E-07	2.97E-03	4.67E-07	1.84E-07
2169	494661.06, 3859751.99	2.80E-03	4.41E-07	1.73E-07	2.85E-03	4.50E-07	1.77E-07	2.85E-03	4.49E-07	1.76E-07
2170	494711.06, 3859751.99	2.79E-03	4.39E-07	1.72E-07	2.84E-03	4.48E-07	1.76E-07	2.84E-03	4.47E-07	1.76E-07
2171	494761.06, 3859751.99	2.75E-03	4.33E-07	1.70E-07	2.80E-03	4.42E-07	1.73E-07	2.80E-03	4.41E-07	1.73E-07
2172	494811.06, 3859751.99	2.69E-03	4.24E-07	1.66E-07	2.74E-03	4.32E-07	1.70E-07	2.74E-03	4.32E-07	1.70E-07
2173	494861.06, 3859751.99	2.65E-03	4.17E-07	1.64E-07	2.70E-03	4.25E-07	1.67E-07	2.70E-03	4.25E-07	1.67E-07
2174	494911.06, 3859751.99	2.60E-03	4.10E-07	1.61E-07	2.66E-03	4.19E-07	1.64E-07	2.65E-03	4.18E-07	1.64E-07
2175	494961.06, 3859751.99	2.56E-03	4.04E-07	1.59E-07	2.61E-03	4.12E-07	1.62E-07	2.61E-03	4.11E-07	1.62E-07
2176	495011.06, 3859751.99	2.52E-03	3.97E-07	1.56E-07	2.57E-03	4.05E-07	1.59E-07	2.57E-03	4.04E-07	1.59E-07
2177	495061.06, 3859751.99	2.49E-03	3.92E-07	1.54E-07	2.54E-03	4.00E-07	1.57E-07	2.53E-03	3.99E-07	1.57E-07
2178	495111.06, 3859751.99	2.44E-03	3.85E-07	1.51E-07	2.49E-03	3.93E-07	1.54E-07	2.49E-03	3.93E-07	1.54E-07
2179	495161.06, 3859751.99	2.40E-03	3.78E-07	1.49E-07	2.45E-03	3.86E-07	1.52E-07	2.45E-03	3.85E-07	1.51E-07
2180	495211.06, 3859751.99	2.35E-03	3.71E-07	1.46E-07	2.40E-03	3.79E-07	1.49E-07	2.40E-03	3.78E-07	1.49E-07
2181	495261.06, 3859751.99	2.32E-03	3.66E-07	1.44E-07	2.37E-03	3.74E-07	1.47E-07	2.37E-03	3.73E-07	1.47E-07
2182	495311.06, 3859751.99	2.29E-03	3.60E-07	1.41E-07	2.33E-03	3.67E-07	1.44E-07	2.33E-03	3.67E-07	1.44E-07
2183	495361.06, 3859751.99	2.25E-03	3.54E-07	1.39E-07	2.30E-03	3.62E-07	1.42E-07	2.29E-03	3.61E-07	1.42E-07
2184	495411.06, 3859751.99	2.22E-03	3.49E-07	1.37E-07	2.26E-03	3.56E-07	1.40E-07	2.26E-03	3.56E-07	1.40E-07
2185	495461.06, 3859751.99	2.17E-03	3.42E-07	1.34E-07	2.21E-03	3.49E-07	1.37E-07	2.21E-03	3.48E-07	1.37E-07
2186	495511.06, 3859751.99	2.12E-03	3.35E-07	1.31E-07	2.17E-03	3.41E-07	1.34E-07	2.16E-03	3.41E-07	1.34E-07
2187	495561.06, 3859751.99	2.09E-03	3.29E-07	1.29E-07	2.13E-03	3.36E-07	1.32E-07	2.13E-03	3.36E-07	1.32E-07
2188	495611.06, 3859751.99	2.06E-03	3.25E-07	1.28E-07	2.10E-03	3.31E-07	1.30E-07	2.10E-03	3.31E-07	1.30E-07
2189	495661.06, 3859751.99	2.04E-03	3.21E-07	1.26E-07	2.08E-03	3.27E-07	1.29E-07	2.08E-03	3.27E-07	1.28E-07
2190	494311.06, 3859801.99	3.32E-03	5.24E-07	2.06E-07	3.39E-03	5.34E-07	2.10E-07	3.39E-03	5.34E-07	2.10E-07
2191	494361.06, 3859801.99	3.23E-03	5.10E-07	2.00E-07	3.30E-03	5.20E-07	2.04E-07	3.30E-03	5.19E-07	2.04E-07
2192	494411.06, 3859801.99	3.14E-03	4.95E-07	1.94E-07	3.21E-03	5.05E-07	1.98E-07	3.20E-03	5.04E-07	1.98E-07
2193	494461.06, 3859801.99	3.13E-03	4.93E-07	1.94E-07	3.20E-03	5.03E-07	1.98E-07	3.19E-03	5.03E-07	1.98E-07
2194	494511.06, 3859801.99	3.13E-03	4.93E-07	1.93E-07	3.19E-03	5.03E-07	1.97E-07	3.19E-03	5.02E-07	1.97E-07
2195	494561.06, 3859801.99	3.07E-03	4.84E-07	1.90E-07	3.13E-03	4.93E-07	1.94E-07	3.13E-03	4.93E-07	1.94E-07
2196	494611.06, 3859801.99	2.97E-03	4.67E-07	1.84E-07	3.03E-03	4.77E-07	1.87E-07	3.02E-03	4.76E-07	1.87E-07
2197	494661.06, 3859801.99	2.91E-03	4.58E-07	1.80E-07	2.97E-03	4.67E-07	1.84E-07	2.96E-03	4.67E-07	1.83E-07
2198	494711.06, 3859801.99	2.84E-03	4.47E-07	1.76E-07	2.89E-03	4.56E-07	1.79E-07	2.89E-03	4.55E-07	1.79E-07
2199	494761.06, 3859801.99	2.83E-03	4.46E-07	1.75E-07	2.89E-03	4.55E-07	1.79E-07	2.88E-03	4.54E-07	1.79E-07
2200	494811.06, 3859801.99	2.77E-03	4.37E-07	1.72E-07	2.83E-03	4.46E-07	1.75E-07	2.83E-03	4.45E-07	1.75E-07
2201	494861.06, 3859801.99	2.73E-03	4.31E-07	1.69E-07	2.79E-03	4.40E-07	1.73E-07	2.79E-03	4.39E-07	1.72E-07

2202	494911.06, 3859801.99	2.68E-03	4.22E-07	1.66E-07	2.73E-03	4.30E-07	1.69E-07	2.73E-03	4.30E-07	1.69E-07
2203	494961.06, 3859801.99	2.63E-03	4.15E-07	1.63E-07	2.69E-03	4.23E-07	1.66E-07	2.68E-03	4.23E-07	1.66E-07
2204	495011.06, 3859801.99	2.59E-03	4.08E-07	1.60E-07	2.64E-03	4.16E-07	1.63E-07	2.64E-03	4.15E-07	1.63E-07
2205	495061.06, 3859801.99	2.55E-03	4.02E-07	1.58E-07	2.60E-03	4.10E-07	1.61E-07	2.60E-03	4.10E-07	1.61E-07
2206	495111.06, 3859801.99	2.50E-03	3.94E-07	1.55E-07	2.55E-03	4.02E-07	1.58E-07	2.55E-03	4.02E-07	1.58E-07
2207	495161.06, 3859801.99	2.46E-03	3.87E-07	1.52E-07	2.51E-03	3.95E-07	1.55E-07	2.50E-03	3.94E-07	1.55E-07
2208	495211.06, 3859801.99	2.42E-03	3.82E-07	1.50E-07	2.47E-03	3.89E-07	1.53E-07	2.47E-03	3.89E-07	1.53E-07
2209	495261.06, 3859801.99	2.38E-03	3.74E-07	1.47E-07	2.42E-03	3.82E-07	1.50E-07	2.42E-03	3.82E-07	1.50E-07
2210	495311.06, 3859801.99	2.35E-03	3.70E-07	1.45E-07	2.39E-03	3.77E-07	1.48E-07	2.39E-03	3.77E-07	1.48E-07
2211	495361.06, 3859801.99	2.31E-03	3.63E-07	1.43E-07	2.35E-03	3.71E-07	1.46E-07	2.35E-03	3.70E-07	1.45E-07
2212	495411.06, 3859801.99	2.26E-03	3.56E-07	1.40E-07	2.31E-03	3.64E-07	1.43E-07	2.31E-03	3.63E-07	1.43E-07
2213	495461.06, 3859801.99	2.23E-03	3.51E-07	1.38E-07	2.27E-03	3.58E-07	1.41E-07	2.27E-03	3.57E-07	1.40E-07
2214	495511.06, 3859801.99	2.18E-03	3.43E-07	1.35E-07	2.22E-03	3.50E-07	1.37E-07	2.22E-03	3.49E-07	1.37E-07
2215	495561.06, 3859801.99	2.15E-03	3.38E-07	1.33E-07	2.19E-03	3.45E-07	1.36E-07	2.19E-03	3.45E-07	1.35E-07
2216	495611.06, 3859801.99	2.13E-03	3.35E-07	1.32E-07	2.17E-03	3.42E-07	1.34E-07	2.17E-03	3.42E-07	1.34E-07
2217	495661.06, 3859801.99	2.09E-03	3.29E-07	1.29E-07	2.13E-03	3.35E-07	1.32E-07	2.13E-03	3.35E-07	1.32E-07
2218	494311.06, 3859851.99	3.41E-03	5.37E-07	2.11E-07	3.48E-03	5.48E-07	2.15E-07	3.48E-03	5.48E-07	2.15E-07
2219	494361.06, 3859851.99	3.33E-03	5.25E-07	2.06E-07	3.40E-03	5.36E-07	2.10E-07	3.40E-03	5.35E-07	2.10E-07
2220	494411.06, 3859851.99	3.25E-03	5.12E-07	2.01E-07	3.31E-03	5.22E-07	2.05E-07	3.31E-03	5.21E-07	2.05E-07
2221	494461.06, 3859851.99	3.18E-03	5.01E-07	1.97E-07	3.25E-03	5.12E-07	2.01E-07	3.24E-03	5.11E-07	2.01E-07
2222	494511.06, 3859851.99	3.16E-03	4.97E-07	1.95E-07	3.22E-03	5.08E-07	1.99E-07	3.22E-03	5.07E-07	1.99E-07
2223	494561.06, 3859851.99	3.14E-03	4.95E-07	1.94E-07	3.21E-03	5.05E-07	1.98E-07	3.20E-03	5.04E-07	1.98E-07
2224	494611.06, 3859851.99	3.03E-03	4.77E-07	1.88E-07	3.09E-03	4.87E-07	1.91E-07	3.09E-03	4.87E-07	1.91E-07
2225	494661.06, 3859851.99	3.00E-03	4.72E-07	1.86E-07	3.06E-03	4.82E-07	1.89E-07	3.06E-03	4.81E-07	1.89E-07
2226	494711.06, 3859851.99	2.92E-03	4.60E-07	1.81E-07	2.98E-03	4.69E-07	1.84E-07	2.97E-03	4.68E-07	1.84E-07
2227	494761.06, 3859851.99	2.90E-03	4.57E-07	1.80E-07	2.96E-03	4.67E-07	1.83E-07	2.96E-03	4.66E-07	1.83E-07
2228	494811.06, 3859851.99	2.85E-03	4.49E-07	1.76E-07	2.91E-03	4.58E-07	1.80E-07	2.90E-03	4.57E-07	1.80E-07
2229	494861.06, 3859851.99	2.81E-03	4.43E-07	1.74E-07	2.87E-03	4.52E-07	1.78E-07	2.87E-03	4.52E-07	1.77E-07
2230	494911.06, 3859851.99	2.75E-03	4.34E-07	1.70E-07	2.81E-03	4.43E-07	1.74E-07	2.81E-03	4.42E-07	1.74E-07
2231	494961.06, 3859851.99	2.71E-03	4.27E-07	1.68E-07	2.76E-03	4.35E-07	1.71E-07	2.76E-03	4.35E-07	1.71E-07
2232	495011.06, 3859851.99	2.66E-03	4.19E-07	1.65E-07	2.72E-03	4.28E-07	1.68E-07	2.71E-03	4.28E-07	1.68E-07
2233	495061.06, 3859851.99	2.62E-03	4.14E-07	1.62E-07	2.68E-03	4.22E-07	1.66E-07	2.68E-03	4.21E-07	1.66E-07
2234	495111.06, 3859851.99	2.57E-03	4.05E-07	1.59E-07	2.62E-03	4.13E-07	1.62E-07	2.62E-03	4.13E-07	1.62E-07
2235	495161.06, 3859851.99	2.52E-03	3.98E-07	1.56E-07	2.58E-03	4.06E-07	1.59E-07	2.57E-03	4.05E-07	1.59E-07
2236	495211.06, 3859851.99	2.48E-03	3.91E-07	1.54E-07	2.53E-03	3.99E-07	1.57E-07	2.53E-03	3.99E-07	1.57E-07
2237	495261.06, 3859851.99	2.44E-03	3.84E-07	1.51E-07	2.49E-03	3.92E-07	1.54E-07	2.49E-03	3.92E-07	1.54E-07
2238	495311.06, 3859851.99	2.41E-03	3.79E-07	1.49E-07	2.45E-03	3.87E-07	1.52E-07	2.45E-03	3.86E-07	1.52E-07
2239	495361.06, 3859851.99	2.37E-03	3.73E-07	1.47E-07	2.42E-03	3.81E-07	1.50E-07	2.41E-03	3.80E-07	1.49E-07
2240	495411.06, 3859851.99	2.32E-03	3.66E-07	1.44E-07	2.37E-03	3.73E-07	1.47E-07	2.37E-03	3.73E-07	1.47E-07
2241	495461.06, 3859851.99	2.28E-03	3.59E-07	1.41E-07	2.33E-03	3.66E-07	1.44E-07	2.32E-03	3.66E-07	1.44E-07
2242	495511.06, 3859851.99	2.23E-03	3.52E-07	1.38E-07	2.28E-03	3.59E-07	1.41E-07	2.28E-03	3.59E-07	1.41E-07
2243	495561.06, 3859851.99	2.21E-03	3.48E-07	1.37E-07	2.25E-03	3.55E-07	1.39E-07	2.25E-03	3.54E-07	1.39E-07
2244	495611.06, 3859851.99	2.18E-03	3.43E-07	1.35E-07	2.22E-03	3.50E-07	1.38E-07	2.22E-03	3.50E-07	1.37E-07
2245	495661.06, 3859851.99	2.14E-03	3.36E-07	1.32E-07	2.18E-03	3.43E-07	1.35E-07	2.18E-03	3.43E-07	1.35E-07
2246	494311.06, 3859901.99	3.48E-03	5.49E-07	2.16E-07	3.55E-03	5.60E-07	2.20E-07	3.55E-03	5.59E-07	2.20E-07
2247	494361.06, 3859901.99	3.37E-03	5.31E-07	2.09E-07	3.44E-03	5.42E-07	2.13E-07	3.44E-03	5.41E-07	2.13E-07
2248	494411.06, 3859901.99	3.33E-03	5.24E-07	2.06E-07	3.40E-03	5.35E-07	2.10E-07	3.39E-03	5.35E-07	2.10E-07
2249	494461.06, 3859901.99	3.27E-03	5.14E-07	2.02E-07	3.33E-03	5.25E-07	2.06E-07	3.33E-03	5.24E-07	2.06E-07
2250	494511.06, 3859901.99	3.22E-03	5.07E-07	1.99E-07	3.29E-03	5.18E-07	2.03E-07	3.28E-03	5.17E-07	2.03E-07
2251	494561.06, 3859901.99	3.22E-03	5.07E-07	1.99E-07	3.28E-03	5.17E-07	2.03E-07	3.28E-03	5.17E-07	2.03E-07
2252	494611.06, 3859901.99	3.10E-03	4.88E-07	1.92E-07	3.16E-03	4.98E-07	1.96E-07	3.16E-03	4.98E-07	1.95E-07
2253	494661.06, 3859901.99	3.09E-03	4.86E-07	1.91E-07	3.15E-03	4.96E-07	1.95E-07	3.15E-03	4.96E-07	1.95E-07
2254	494711.06, 3859901.99	2.98E-03	4.69E-07	1.84E-07	3.04E-03	4.79E-07	1.88E-07	3.03E-03	4.78E-07	1.88E-07
2255	494761.06, 3859901.99	2.95E-03	4.65E-07	1.83E-07	3.01E-03	4.74E-07	1.86E-07	3.01E-03	4.74E-07	1.86E-07
2256	494811.06, 3859901.99	2.93E-03	4.61E-07	1.81E-07	2.99E-03	4.71E-07	1.85E-07	2.98E-03	4.70E-07	1.85E-07
2257	494861.06, 3859901.99	2.89E-03	4.55E-07	1.79E-07	2.95E-03	4.64E-07	1.82E-07	2.94E-03	4.64E-07	1.82E-07
2258	494911.06, 3859901.99	2.82E-03	4.45E-07	1.75E-07	2.88E-03	4.54E-07	1.78E-07	2.88E-03	4.54E-07	1.78E-07
2259	494961.06, 3859901.99	2.78E-03	4.39E-07	1.72E-07	2.84E-03	4.47E-07	1.76E-07	2.84E-03	4.47E-07	1.76E-07
2260	495011.06, 3859901.99	2.73E-03	4.30E-07	1.69E-07	2.79E-03	4.39E-07	1.72E-07	2.78E-03	4.38E-07	1.72E-07
2261	495061.06, 3859901.99	2.68E-03	4.23E-07	1.66E-07	2.74E-03	4.31E-07	1.69E-07	2.73E-03	4.31E-07	1.69E-07
2262	495111.06, 3859901.99	2.63E-03	4.14E-07	1.62E-07	2.68E-03	4.22E-07	1.66E-07	2.68E-03	4.21E-07	1.66E-07
2263	495161.06, 3859901.99	2.57E-03	4.05E-07	1.59E-07	2.63E-03	4.14E-07	1.62E-07	2.62E-03	4.13E-07	1.62E-07
2264	495211.06, 3859901.99	2.54E-03	4.00E-07	1.57E-07	2.59E-03	4.08E-07	1.60E-07	2.59E-03	4.08E-07	1.60E-07

2265	495261.06, 3859901.99	2.48E-03	3.91E-07	1.54E-07	2.53E-03	3.99E-07	1.57E-07	2.53E-03	3.99E-07	1.57E-07
2266	495311.06, 3859901.99	2.45E-03	3.86E-07	1.52E-07	2.50E-03	3.94E-07	1.55E-07	2.50E-03	3.94E-07	1.55E-07
2267	495361.06, 3859901.99	2.41E-03	3.80E-07	1.49E-07	2.46E-03	3.87E-07	1.52E-07	2.46E-03	3.87E-07	1.52E-07
2268	495411.06, 3859901.99	2.36E-03	3.72E-07	1.46E-07	2.41E-03	3.80E-07	1.49E-07	2.41E-03	3.79E-07	1.49E-07
2269	495461.06, 3859901.99	2.32E-03	3.66E-07	1.44E-07	2.37E-03	3.73E-07	1.47E-07	2.37E-03	3.73E-07	1.46E-07
2270	495511.06, 3859901.99	2.29E-03	3.61E-07	1.42E-07	2.34E-03	3.68E-07	1.45E-07	2.33E-03	3.68E-07	1.44E-07
2271	495561.06, 3859901.99	2.26E-03	3.56E-07	1.40E-07	2.31E-03	3.63E-07	1.43E-07	2.30E-03	3.63E-07	1.43E-07
2272	495611.06, 3859901.99	2.22E-03	3.50E-07	1.37E-07	2.26E-03	3.57E-07	1.40E-07	2.26E-03	3.56E-07	1.40E-07
2273	495661.06, 3859901.99	2.18E-03	3.43E-07	1.35E-07	2.22E-03	3.50E-07	1.37E-07	2.22E-03	3.49E-07	1.37E-07
2274	494311.06, 3859951.99	3.56E-03	5.61E-07	2.21E-07	3.64E-03	5.73E-07	2.25E-07	3.63E-03	5.72E-07	2.25E-07
2275	494361.06, 3859951.99	3.48E-03	5.48E-07	2.15E-07	3.55E-03	5.59E-07	2.20E-07	3.54E-03	5.58E-07	2.19E-07
2276	494411.06, 3859951.99	3.40E-03	5.36E-07	2.10E-07	3.47E-03	5.47E-07	2.15E-07	3.47E-03	5.46E-07	2.14E-07
2277	494461.06, 3859951.99	3.34E-03	5.25E-07	2.06E-07	3.40E-03	5.36E-07	2.11E-07	3.40E-03	5.36E-07	2.10E-07
2278	494511.06, 3859951.99	3.29E-03	5.18E-07	2.04E-07	3.36E-03	5.29E-07	2.08E-07	3.35E-03	5.28E-07	2.08E-07
2279	494561.06, 3859951.99	3.30E-03	5.20E-07	2.04E-07	3.37E-03	5.30E-07	2.08E-07	3.36E-03	5.30E-07	2.08E-07
2280	494611.06, 3859951.99	3.19E-03	5.02E-07	1.97E-07	3.25E-03	5.13E-07	2.01E-07	3.25E-03	5.12E-07	2.01E-07
2281	494661.06, 3859951.99	3.17E-03	4.99E-07	1.96E-07	3.23E-03	5.09E-07	2.00E-07	3.23E-03	5.09E-07	2.00E-07
2282	494711.06, 3859951.99	3.07E-03	4.84E-07	1.90E-07	3.13E-03	4.94E-07	1.94E-07	3.13E-03	4.93E-07	1.94E-07
2283	494761.06, 3859951.99	3.03E-03	4.77E-07	1.88E-07	3.09E-03	4.87E-07	1.91E-07	3.09E-03	4.87E-07	1.91E-07
2284	494811.06, 3859951.99	2.98E-03	4.70E-07	1.85E-07	3.05E-03	4.80E-07	1.88E-07	3.04E-03	4.79E-07	1.88E-07
2285	494861.06, 3859951.99	2.95E-03	4.65E-07	1.83E-07	3.01E-03	4.75E-07	1.87E-07	3.01E-03	4.74E-07	1.86E-07
2286	494911.06, 3859951.99	2.89E-03	4.55E-07	1.79E-07	2.95E-03	4.64E-07	1.82E-07	2.94E-03	4.64E-07	1.82E-07
2287	494961.06, 3859951.99	2.83E-03	4.46E-07	1.75E-07	2.89E-03	4.55E-07	1.79E-07	2.89E-03	4.55E-07	1.79E-07
2288	495011.06, 3859951.99	2.78E-03	4.38E-07	1.72E-07	2.83E-03	4.47E-07	1.75E-07	2.83E-03	4.46E-07	1.75E-07
2289	495061.06, 3859951.99	2.73E-03	4.31E-07	1.69E-07	2.79E-03	4.40E-07	1.73E-07	2.79E-03	4.39E-07	1.72E-07
2290	495111.06, 3859951.99	2.68E-03	4.22E-07	1.66E-07	2.73E-03	4.30E-07	1.69E-07	2.73E-03	4.30E-07	1.69E-07
2291	495161.06, 3859951.99	2.62E-03	4.13E-07	1.62E-07	2.68E-03	4.21E-07	1.66E-07	2.67E-03	4.21E-07	1.65E-07
2292	495211.06, 3859951.99	2.57E-03	4.05E-07	1.59E-07	2.62E-03	4.13E-07	1.62E-07	2.62E-03	4.13E-07	1.62E-07
2293	495261.06, 3859951.99	2.53E-03	3.98E-07	1.56E-07	2.58E-03	4.06E-07	1.60E-07	2.57E-03	4.06E-07	1.59E-07
2294	495311.06, 3859951.99	2.50E-03	3.94E-07	1.55E-07	2.55E-03	4.02E-07	1.58E-07	2.55E-03	4.01E-07	1.58E-07
2295	495361.06, 3859951.99	2.46E-03	3.88E-07	1.52E-07	2.51E-03	3.96E-07	1.55E-07	2.51E-03	3.95E-07	1.55E-07
2296	495411.06, 3859951.99	2.41E-03	3.80E-07	1.49E-07	2.46E-03	3.88E-07	1.52E-07	2.46E-03	3.87E-07	1.52E-07
2297	495461.06, 3859951.99	2.37E-03	3.73E-07	1.47E-07	2.42E-03	3.81E-07	1.50E-07	2.42E-03	3.81E-07	1.50E-07
2298	495511.06, 3859951.99	2.33E-03	3.67E-07	1.44E-07	2.38E-03	3.74E-07	1.47E-07	2.37E-03	3.74E-07	1.47E-07
2299	495561.06, 3859951.99	2.31E-03	3.63E-07	1.43E-07	2.35E-03	3.71E-07	1.46E-07	2.35E-03	3.70E-07	1.45E-07
2300	495611.06, 3859951.99	2.26E-03	3.57E-07	1.40E-07	2.31E-03	3.64E-07	1.43E-07	2.31E-03	3.63E-07	1.43E-07
2301	495661.06, 3859951.99	2.22E-03	3.49E-07	1.37E-07	2.26E-03	3.56E-07	1.40E-07	2.26E-03	3.56E-07	1.40E-07
2302	494311.06, 3860001.99	3.63E-03	5.72E-07	2.25E-07	3.71E-03	5.84E-07	2.29E-07	3.70E-03	5.83E-07	2.29E-07
2303	494361.06, 3860001.99	3.56E-03	5.61E-07	2.20E-07	3.63E-03	5.72E-07	2.25E-07	3.63E-03	5.71E-07	2.24E-07
2304	494411.06, 3860001.99	3.46E-03	5.45E-07	2.14E-07	3.53E-03	5.56E-07	2.18E-07	3.52E-03	5.55E-07	2.18E-07
2305	494461.06, 3860001.99	3.41E-03	5.37E-07	2.11E-07	3.48E-03	5.48E-07	2.15E-07	3.47E-03	5.47E-07	2.15E-07
2306	494511.06, 3860001.99	3.33E-03	5.25E-07	2.06E-07	3.40E-03	5.35E-07	2.10E-07	3.39E-03	5.35E-07	2.10E-07
2307	494561.06, 3860001.99	3.36E-03	5.30E-07	2.08E-07	3.43E-03	5.40E-07	2.12E-07	3.43E-03	5.40E-07	2.12E-07
2308	494611.06, 3860001.99	3.28E-03	5.17E-07	2.03E-07	3.35E-03	5.28E-07	2.07E-07	3.34E-03	5.27E-07	2.07E-07
2309	494661.06, 3860001.99	3.23E-03	5.09E-07	2.00E-07	3.30E-03	5.19E-07	2.04E-07	3.29E-03	5.19E-07	2.04E-07
2310	494711.06, 3860001.99	3.10E-03	4.88E-07	1.92E-07	3.16E-03	4.98E-07	1.96E-07	3.16E-03	4.98E-07	1.96E-07
2311	494761.06, 3860001.99	3.09E-03	4.87E-07	1.91E-07	3.16E-03	4.97E-07	1.95E-07	3.15E-03	4.97E-07	1.95E-07
2312	494811.06, 3860001.99	3.05E-03	4.81E-07	1.89E-07	3.12E-03	4.91E-07	1.93E-07	3.11E-03	4.90E-07	1.93E-07
2313	494861.06, 3860001.99	3.02E-03	4.76E-07	1.87E-07	3.08E-03	4.85E-07	1.91E-07	3.08E-03	4.85E-07	1.90E-07
2314	494911.06, 3860001.99	2.91E-03	4.58E-07	1.80E-07	2.97E-03	4.67E-07	1.84E-07	2.96E-03	4.67E-07	1.83E-07
2315	494961.06, 3860001.99	2.87E-03	4.53E-07	1.78E-07	2.93E-03	4.62E-07	1.81E-07	2.93E-03	4.61E-07	1.81E-07
2316	495011.06, 3860001.99	2.81E-03	4.43E-07	1.74E-07	2.87E-03	4.52E-07	1.78E-07	2.87E-03	4.52E-07	1.78E-07
2317	495061.06, 3860001.99	2.78E-03	4.38E-07	1.72E-07	2.84E-03	4.47E-07	1.76E-07	2.84E-03	4.47E-07	1.76E-07
2318	495111.06, 3860001.99	2.73E-03	4.29E-07	1.69E-07	2.78E-03	4.38E-07	1.72E-07	2.78E-03	4.38E-07	1.72E-07
2319	495161.06, 3860001.99	2.67E-03	4.20E-07	1.65E-07	2.72E-03	4.29E-07	1.69E-07	2.72E-03	4.29E-07	1.68E-07
2320	495211.06, 3860001.99	2.64E-03	4.16E-07	1.63E-07	2.69E-03	4.24E-07	1.67E-07	2.69E-03	4.24E-07	1.66E-07
2321	495261.06, 3860001.99	2.59E-03	4.08E-07	1.60E-07	2.64E-03	4.16E-07	1.63E-07	2.64E-03	4.15E-07	1.63E-07
2322	495311.06, 3860001.99	2.55E-03	4.01E-07	1.58E-07	2.60E-03	4.10E-07	1.61E-07	2.60E-03	4.09E-07	1.61E-07
2323	495361.06, 3860001.99	2.48E-03	3.91E-07	1.54E-07	2.53E-03	3.99E-07	1.57E-07	2.53E-03	3.99E-07	1.57E-07
2324	495411.06, 3860001.99	2.46E-03	3.88E-07	1.52E-07	2.51E-03	3.96E-07	1.55E-07	2.51E-03	3.95E-07	1.55E-07
2325	495461.06, 3860001.99	2.42E-03	3.81E-07	1.50E-07	2.47E-03	3.89E-07	1.53E-07	2.47E-03	3.88E-07	1.53E-07
2326	495511.06, 3860001.99	2.38E-03	3.75E-07	1.47E-07	2.43E-03	3.83E-07	1.50E-07	2.43E-03	3.82E-07	1.50E-07
2327	495561.06, 3860001.99	2.35E-03	3.71E-07	1.46E-07	2.40E-03	3.78E-07	1.49E-07	2.40E-03	3.78E-07	1.48E-07

2328	495611.06, 3860001.99	2.31E-03	3.63E-07	1.43E-07	2.35E-03	3.71E-07	1.46E-07	2.35E-03	3.70E-07	1.45E-07
2329	495661.06, 3860001.99	2.26E-03	3.56E-07	1.40E-07	2.31E-03	3.64E-07	1.43E-07	2.31E-03	3.63E-07	1.43E-07
2330	494411.06, 3860051.99	3.53E-03	5.56E-07	2.19E-07	3.60E-03	5.68E-07	2.23E-07	3.60E-03	5.67E-07	2.23E-07
2331	494461.06, 3860051.99	3.46E-03	5.45E-07	2.14E-07	3.53E-03	5.56E-07	2.19E-07	3.53E-03	5.56E-07	2.18E-07
2332	494511.06, 3860051.99	3.40E-03	5.35E-07	2.10E-07	3.47E-03	5.46E-07	2.14E-07	3.46E-03	5.45E-07	2.14E-07
2333	494561.06, 3860051.99	3.38E-03	5.33E-07	2.09E-07	3.45E-03	5.44E-07	2.14E-07	3.45E-03	5.43E-07	2.13E-07
2334	494611.06, 3860051.99	3.34E-03	5.26E-07	2.07E-07	3.41E-03	5.37E-07	2.11E-07	3.40E-03	5.36E-07	2.11E-07
2335	494661.06, 3860051.99	3.29E-03	5.18E-07	2.04E-07	3.36E-03	5.29E-07	2.08E-07	3.35E-03	5.28E-07	2.07E-07
2336	494711.06, 3860051.99	3.19E-03	5.03E-07	1.98E-07	3.26E-03	5.13E-07	2.02E-07	3.25E-03	5.13E-07	2.01E-07
2337	494761.06, 3860051.99	3.15E-03	4.96E-07	1.95E-07	3.21E-03	5.06E-07	1.99E-07	3.21E-03	5.06E-07	1.99E-07
2338	494811.06, 3860051.99	3.12E-03	4.92E-07	1.93E-07	3.19E-03	5.02E-07	1.97E-07	3.18E-03	5.01E-07	1.97E-07
2339	494861.06, 3860051.99	3.09E-03	4.87E-07	1.91E-07	3.16E-03	4.97E-07	1.95E-07	3.15E-03	4.96E-07	1.95E-07
2340	494911.06, 3860051.99	3.02E-03	4.75E-07	1.87E-07	3.08E-03	4.85E-07	1.91E-07	3.08E-03	4.85E-07	1.90E-07
2341	494961.06, 3860051.99	2.94E-03	4.64E-07	1.82E-07	3.00E-03	4.73E-07	1.86E-07	3.00E-03	4.72E-07	1.86E-07
2342	495011.06, 3860051.99	2.88E-03	4.53E-07	1.78E-07	2.94E-03	4.63E-07	1.82E-07	2.93E-03	4.62E-07	1.82E-07
2343	495061.06, 3860051.99	2.83E-03	4.45E-07	1.75E-07	2.88E-03	4.54E-07	1.78E-07	2.88E-03	4.54E-07	1.78E-07
2344	495111.06, 3860051.99	2.76E-03	4.35E-07	1.71E-07	2.82E-03	4.44E-07	1.74E-07	2.81E-03	4.43E-07	1.74E-07
2345	495161.06, 3860051.99	2.71E-03	4.27E-07	1.68E-07	2.77E-03	4.36E-07	1.71E-07	2.76E-03	4.35E-07	1.71E-07
2346	495211.06, 3860051.99	2.66E-03	4.19E-07	1.64E-07	2.71E-03	4.27E-07	1.68E-07	2.71E-03	4.27E-07	1.68E-07
2347	495261.06, 3860051.99	2.62E-03	4.13E-07	1.62E-07	2.67E-03	4.21E-07	1.65E-07	2.67E-03	4.21E-07	1.65E-07
2348	495311.06, 3860051.99	2.59E-03	4.07E-07	1.60E-07	2.64E-03	4.16E-07	1.63E-07	2.64E-03	4.15E-07	1.63E-07
2349	495361.06, 3860051.99	2.55E-03	4.01E-07	1.58E-07	2.60E-03	4.09E-07	1.61E-07	2.60E-03	4.09E-07	1.61E-07
2350	495411.06, 3860051.99	2.51E-03	3.95E-07	1.55E-07	2.56E-03	4.03E-07	1.58E-07	2.55E-03	4.02E-07	1.58E-07
2351	495461.06, 3860051.99	2.46E-03	3.88E-07	1.52E-07	2.51E-03	3.96E-07	1.55E-07	2.51E-03	3.95E-07	1.55E-07
2352	495511.06, 3860051.99	2.43E-03	3.82E-07	1.50E-07	2.48E-03	3.90E-07	1.53E-07	2.47E-03	3.90E-07	1.53E-07
2353	495561.06, 3860051.99	2.39E-03	3.76E-07	1.48E-07	2.44E-03	3.84E-07	1.51E-07	2.44E-03	3.84E-07	1.51E-07
2354	495611.06, 3860051.99	2.35E-03	3.70E-07	1.45E-07	2.39E-03	3.77E-07	1.48E-07	2.39E-03	3.77E-07	1.48E-07
2355	495661.06, 3860051.99	2.30E-03	3.62E-07	1.42E-07	2.34E-03	3.69E-07	1.45E-07	2.34E-03	3.69E-07	1.45E-07
2356	494411.06, 3860101.99	3.54E-03	5.58E-07	2.19E-07	3.61E-03	5.69E-07	2.24E-07	3.61E-03	5.68E-07	2.23E-07
2357	494461.06, 3860101.99	3.52E-03	5.54E-07	2.18E-07	3.59E-03	5.66E-07	2.22E-07	3.59E-03	5.65E-07	2.22E-07
2358	494511.06, 3860101.99	3.42E-03	5.39E-07	2.12E-07	3.49E-03	5.50E-07	2.16E-07	3.49E-03	5.50E-07	2.16E-07
2359	494561.06, 3860101.99	3.38E-03	5.33E-07	2.09E-07	3.45E-03	5.44E-07	2.14E-07	3.45E-03	5.43E-07	2.13E-07
2360	494611.06, 3860101.99	3.37E-03	5.31E-07	2.09E-07	3.44E-03	5.42E-07	2.13E-07	3.43E-03	5.41E-07	2.13E-07
2361	494661.06, 3860101.99	3.32E-03	5.24E-07	2.06E-07	3.39E-03	5.34E-07	2.10E-07	3.39E-03	5.34E-07	2.10E-07
2362	494711.06, 3860101.99	3.24E-03	5.10E-07	2.00E-07	3.30E-03	5.21E-07	2.05E-07	3.30E-03	5.20E-07	2.04E-07
2363	494761.06, 3860101.99	3.19E-03	5.03E-07	1.97E-07	3.26E-03	5.13E-07	2.02E-07	3.25E-03	5.12E-07	2.01E-07
2364	494811.06, 3860101.99	3.15E-03	4.96E-07	1.95E-07	3.21E-03	5.06E-07	1.99E-07	3.21E-03	5.05E-07	1.99E-07
2365	494861.06, 3860101.99	3.16E-03	4.97E-07	1.95E-07	3.22E-03	5.08E-07	1.99E-07	3.22E-03	5.07E-07	1.99E-07
2366	494911.06, 3860101.99	3.02E-03	4.76E-07	1.87E-07	3.09E-03	4.86E-07	1.91E-07	3.08E-03	4.86E-07	1.91E-07
2367	494961.06, 3860101.99	2.98E-03	4.69E-07	1.84E-07	3.04E-03	4.78E-07	1.88E-07	3.03E-03	4.78E-07	1.88E-07
2368	495011.06, 3860101.99	2.91E-03	4.59E-07	1.80E-07	2.97E-03	4.68E-07	1.84E-07	2.97E-03	4.68E-07	1.84E-07
2369	495061.06, 3860101.99	2.85E-03	4.50E-07	1.77E-07	2.91E-03	4.59E-07	1.80E-07	2.91E-03	4.58E-07	1.80E-07
2370	495111.06, 3860101.99	2.79E-03	4.39E-07	1.72E-07	2.84E-03	4.48E-07	1.76E-07	2.84E-03	4.47E-07	1.76E-07
2371	495161.06, 3860101.99	2.75E-03	4.33E-07	1.70E-07	2.80E-03	4.42E-07	1.73E-07	2.80E-03	4.41E-07	1.73E-07
2372	495211.06, 3860101.99	2.70E-03	4.25E-07	1.67E-07	2.75E-03	4.34E-07	1.70E-07	2.75E-03	4.33E-07	1.70E-07
2373	495261.06, 3860101.99	2.65E-03	4.18E-07	1.64E-07	2.71E-03	4.26E-07	1.68E-07	2.70E-03	4.26E-07	1.67E-07
2374	495311.06, 3860101.99	2.61E-03	4.12E-07	1.62E-07	2.67E-03	4.20E-07	1.65E-07	2.66E-03	4.19E-07	1.65E-07
2375	495361.06, 3860101.99	2.58E-03	4.07E-07	1.60E-07	2.63E-03	4.15E-07	1.63E-07	2.63E-03	4.14E-07	1.63E-07
2376	495411.06, 3860101.99	2.54E-03	4.00E-07	1.57E-07	2.59E-03	4.08E-07	1.60E-07	2.59E-03	4.07E-07	1.60E-07
2377	495461.06, 3860101.99	2.48E-03	3.91E-07	1.54E-07	2.53E-03	3.99E-07	1.57E-07	2.53E-03	3.98E-07	1.56E-07
2378	495511.06, 3860101.99	2.45E-03	3.86E-07	1.52E-07	2.50E-03	3.94E-07	1.55E-07	2.50E-03	3.94E-07	1.55E-07
2379	495561.06, 3860101.99	2.42E-03	3.82E-07	1.50E-07	2.47E-03	3.90E-07	1.53E-07	2.47E-03	3.89E-07	1.53E-07
2380	495611.06, 3860101.99	2.37E-03	3.74E-07	1.47E-07	2.42E-03	3.81E-07	1.50E-07	2.42E-03	3.81E-07	1.50E-07
2381	495661.06, 3860101.99	2.33E-03	3.68E-07	1.45E-07	2.38E-03	3.75E-07	1.47E-07	2.38E-03	3.75E-07	1.47E-07
2382	494861.06, 3860151.99	3.21E-03	5.05E-07	1.99E-07	3.27E-03	5.16E-07	2.03E-07	3.27E-03	5.15E-07	2.02E-07
2383	494911.06, 3860151.99	3.07E-03	4.83E-07	1.90E-07	3.13E-03	4.93E-07	1.94E-07	3.13E-03	4.93E-07	1.94E-07
2384	494961.06, 3860151.99	3.01E-03	4.74E-07	1.86E-07	3.07E-03	4.83E-07	1.90E-07	3.06E-03	4.83E-07	1.90E-07
2385	495011.06, 3860151.99	2.94E-03	4.63E-07	1.82E-07	3.00E-03	4.73E-07	1.86E-07	3.00E-03	4.72E-07	1.86E-07
2386	495061.06, 3860151.99	2.88E-03	4.54E-07	1.78E-07	2.94E-03	4.63E-07	1.82E-07	2.94E-03	4.63E-07	1.82E-07
2387	495111.06, 3860151.99	2.83E-03	4.46E-07	1.75E-07	2.89E-03	4.55E-07	1.79E-07	2.88E-03	4.54E-07	1.78E-07
2388	495161.06, 3860151.99	2.78E-03	4.38E-07	1.72E-07	2.84E-03	4.47E-07	1.76E-07	2.84E-03	4.47E-07	1.76E-07
2389	495211.06, 3860151.99	2.73E-03	4.30E-07	1.69E-07	2.79E-03	4.39E-07	1.73E-07	2.78E-03	4.39E-07	1.72E-07
2390	495261.06, 3860151.99	2.69E-03	4.24E-07	1.66E-07	2.74E-03	4.32E-07	1.70E-07	2.74E-03	4.32E-07	1.70E-07

2391	495311.06, 3860151.99	2.65E-03	4.17E-07	1.64E-07	2.70E-03	4.26E-07	1.67E-07	2.70E-03	4.25E-07	1.67E-07
2392	495361.06, 3860151.99	2.61E-03	4.11E-07	1.61E-07	2.66E-03	4.19E-07	1.65E-07	2.66E-03	4.19E-07	1.65E-07
2393	495411.06, 3860151.99	2.57E-03	4.04E-07	1.59E-07	2.62E-03	4.12E-07	1.62E-07	2.61E-03	4.12E-07	1.62E-07
2394	495461.06, 3860151.99	2.52E-03	3.98E-07	1.56E-07	2.58E-03	4.06E-07	1.59E-07	2.57E-03	4.05E-07	1.59E-07
2395	495511.06, 3860151.99	2.48E-03	3.91E-07	1.53E-07	2.53E-03	3.99E-07	1.57E-07	2.53E-03	3.98E-07	1.56E-07
2396	495561.06, 3860151.99	2.44E-03	3.85E-07	1.51E-07	2.49E-03	3.93E-07	1.54E-07	2.49E-03	3.92E-07	1.54E-07
2397	495611.06, 3860151.99	2.40E-03	3.78E-07	1.49E-07	2.45E-03	3.86E-07	1.52E-07	2.45E-03	3.86E-07	1.52E-07
2398	495661.06, 3860151.99	2.36E-03	3.71E-07	1.46E-07	2.41E-03	3.79E-07	1.49E-07	2.40E-03	3.79E-07	1.49E-07
2399	495718.25, 3859442.96	1.68E-03	2.64E-07	1.04E-07	1.71E-03	2.70E-07	1.06E-07	1.71E-03	2.69E-07	1.06E-07
2400	495818.25, 3859442.96	1.63E-03	2.57E-07	1.01E-07	1.66E-03	2.62E-07	1.03E-07	1.66E-03	2.62E-07	1.03E-07
2401	495918.25, 3859442.96	1.59E-03	2.51E-07	9.85E-08	1.62E-03	2.56E-07	1.00E-07	1.62E-03	2.55E-07	1.00E-07
2402	496018.25, 3859442.96	1.56E-03	2.45E-07	9.64E-08	1.59E-03	2.50E-07	9.84E-08	1.59E-03	2.50E-07	9.83E-08
2403	496118.25, 3859442.96	1.56E-03	2.45E-07	9.63E-08	1.59E-03	2.50E-07	9.83E-08	1.59E-03	2.50E-07	9.82E-08
2404	496218.25, 3859442.96	1.55E-03	2.44E-07	9.60E-08	1.58E-03	2.49E-07	9.79E-08	1.58E-03	2.49E-07	9.78E-08
2405	496318.25, 3859442.96	1.52E-03	2.40E-07	9.42E-08	1.55E-03	2.45E-07	9.61E-08	1.55E-03	2.44E-07	9.60E-08
2406	496418.25, 3859442.96	1.49E-03	2.35E-07	9.23E-08	1.52E-03	2.40E-07	9.42E-08	1.52E-03	2.39E-07	9.41E-08
2407	495718.25, 3859542.96	1.78E-03	2.81E-07	1.10E-07	1.82E-03	2.87E-07	1.13E-07	1.82E-03	2.86E-07	1.13E-07
2408	495818.25, 3859542.96	1.74E-03	2.74E-07	1.08E-07	1.78E-03	2.80E-07	1.10E-07	1.77E-03	2.79E-07	1.10E-07
2409	495918.25, 3859542.96	1.69E-03	2.66E-07	1.05E-07	1.72E-03	2.72E-07	1.07E-07	1.72E-03	2.71E-07	1.07E-07
2410	496018.25, 3859542.96	1.65E-03	2.60E-07	1.02E-07	1.68E-03	2.65E-07	1.04E-07	1.68E-03	2.65E-07	1.04E-07
2411	496118.25, 3859542.96	1.64E-03	2.59E-07	1.02E-07	1.68E-03	2.64E-07	1.04E-07	1.68E-03	2.64E-07	1.04E-07
2412	496218.25, 3859542.96	1.63E-03	2.57E-07	1.01E-07	1.66E-03	2.62E-07	1.03E-07	1.66E-03	2.62E-07	1.03E-07
2413	496318.25, 3859542.96	1.61E-03	2.54E-07	9.96E-08	1.64E-03	2.59E-07	1.02E-07	1.64E-03	2.58E-07	1.02E-07
2414	496418.25, 3859542.96	1.57E-03	2.47E-07	9.71E-08	1.60E-03	2.52E-07	9.91E-08	1.60E-03	2.52E-07	9.90E-08
2415	495718.25, 3859642.96	1.88E-03	2.96E-07	1.16E-07	1.92E-03	3.02E-07	1.19E-07	1.91E-03	3.02E-07	1.18E-07
2416	495818.25, 3859642.96	1.82E-03	2.87E-07	1.13E-07	1.86E-03	2.93E-07	1.15E-07	1.86E-03	2.93E-07	1.15E-07
2417	495918.25, 3859642.96	1.78E-03	2.81E-07	1.10E-07	1.82E-03	2.87E-07	1.13E-07	1.82E-03	2.86E-07	1.13E-07
2418	496018.25, 3859642.96	1.74E-03	2.74E-07	1.07E-07	1.77E-03	2.79E-07	1.10E-07	1.77E-03	2.79E-07	1.10E-07
2419	496118.25, 3859642.96	1.74E-03	2.74E-07	1.08E-07	1.77E-03	2.79E-07	1.10E-07	1.77E-03	2.79E-07	1.10E-07
2420	496218.25, 3859642.96	1.73E-03	2.72E-07	1.07E-07	1.76E-03	2.77E-07	1.09E-07	1.76E-03	2.77E-07	1.09E-07
2421	496318.25, 3859642.96	1.69E-03	2.66E-07	1.04E-07	1.72E-03	2.71E-07	1.06E-07	1.72E-03	2.71E-07	1.06E-07
2422	496418.25, 3859642.96	1.59E-03	2.50E-07	9.82E-08	1.62E-03	2.55E-07	1.00E-07	1.62E-03	2.55E-07	1.00E-07
2423	495718.25, 3859742.96	1.99E-03	3.14E-07	1.23E-07	2.03E-03	3.20E-07	1.26E-07	2.03E-03	3.20E-07	1.26E-07
2424	495818.25, 3859742.96	1.93E-03	3.03E-07	1.19E-07	1.96E-03	3.09E-07	1.22E-07	1.96E-03	3.09E-07	1.21E-07
2425	495918.25, 3859742.96	1.87E-03	2.95E-07	1.16E-07	1.91E-03	3.01E-07	1.18E-07	1.91E-03	3.01E-07	1.18E-07
2426	496018.25, 3859742.96	1.82E-03	2.87E-07	1.13E-07	1.86E-03	2.92E-07	1.15E-07	1.85E-03	2.92E-07	1.15E-07
2427	496118.25, 3859742.96	1.81E-03	2.86E-07	1.12E-07	1.85E-03	2.91E-07	1.14E-07	1.85E-03	2.91E-07	1.14E-07
2428	496218.25, 3859742.96	1.82E-03	2.86E-07	1.12E-07	1.85E-03	2.92E-07	1.15E-07	1.85E-03	2.91E-07	1.14E-07
2429	496318.25, 3859742.96	1.72E-03	2.70E-07	1.06E-07	1.75E-03	2.76E-07	1.08E-07	1.75E-03	2.76E-07	1.08E-07
2430	496418.25, 3859742.96	1.63E-03	2.56E-07	1.01E-07	1.66E-03	2.62E-07	1.03E-07	1.66E-03	2.61E-07	1.03E-07
2431	495718.25, 3859842.96	2.09E-03	3.30E-07	1.29E-07	2.13E-03	3.36E-07	1.32E-07	2.13E-03	3.36E-07	1.32E-07
2432	495818.25, 3859842.96	2.03E-03	3.20E-07	1.26E-07	2.07E-03	3.26E-07	1.28E-07	2.07E-03	3.26E-07	1.28E-07
2433	495918.25, 3859842.96	1.97E-03	3.10E-07	1.22E-07	2.01E-03	3.17E-07	1.24E-07	2.01E-03	3.16E-07	1.24E-07
2434	496018.25, 3859842.96	1.93E-03	3.04E-07	1.19E-07	1.97E-03	3.10E-07	1.22E-07	1.97E-03	3.10E-07	1.22E-07
2435	496118.25, 3859842.96	1.93E-03	3.04E-07	1.20E-07	1.97E-03	3.11E-07	1.22E-07	1.97E-03	3.10E-07	1.22E-07
2436	496218.25, 3859842.96	1.83E-03	2.89E-07	1.13E-07	1.87E-03	2.95E-07	1.16E-07	1.87E-03	2.94E-07	1.16E-07
2437	496318.25, 3859842.96	1.67E-03	2.63E-07	1.03E-07	1.70E-03	2.68E-07	1.05E-07	1.70E-03	2.68E-07	1.05E-07
2438	496418.25, 3859842.96	1.57E-03	2.47E-07	9.72E-08	1.60E-03	2.52E-07	9.92E-08	1.60E-03	2.52E-07	9.91E-08
2439	495718.25, 3859942.96	2.18E-03	3.43E-07	1.35E-07	2.22E-03	3.50E-07	1.37E-07	2.22E-03	3.49E-07	1.37E-07
2440	495818.25, 3859942.96	2.11E-03	3.32E-07	1.30E-07	2.15E-03	3.39E-07	1.33E-07	2.15E-03	3.38E-07	1.33E-07
2441	495918.25, 3859942.96	2.05E-03	3.24E-07	1.27E-07	2.10E-03	3.30E-07	1.30E-07	2.09E-03	3.30E-07	1.30E-07
2442	496018.25, 3859942.96	2.04E-03	3.21E-07	1.26E-07	2.08E-03	3.28E-07	1.29E-07	2.08E-03	3.27E-07	1.29E-07
2443	496118.25, 3859942.96	1.95E-03	3.07E-07	1.21E-07	1.99E-03	3.13E-07	1.23E-07	1.99E-03	3.13E-07	1.23E-07
2444	496218.25, 3859942.96	1.82E-03	2.87E-07	1.13E-07	1.86E-03	2.93E-07	1.15E-07	1.86E-03	2.92E-07	1.15E-07
2445	496318.25, 3859942.96	1.70E-03	2.68E-07	1.05E-07	1.74E-03	2.74E-07	1.08E-07	1.74E-03	2.73E-07	1.07E-07
2446	496418.25, 3859942.96	1.57E-03	2.47E-07	9.70E-08	1.60E-03	2.52E-07	9.89E-08	1.60E-03	2.52E-07	9.88E-08
2447	496856.82, 3858864.83	9.90E-04	1.56E-07	6.13E-08	1.01E-03	1.59E-07	6.25E-08	1.01E-03	1.59E-07	6.25E-08
2448	496956.82, 3858864.83	9.72E-04	1.53E-07	6.02E-08	9.92E-04	1.56E-07	6.14E-08	9.91E-04	1.56E-07	6.13E-08
2449	497056.82, 3858864.83	9.56E-04	1.51E-07	5.92E-08	9.75E-04	1.54E-07	6.04E-08	9.74E-04	1.53E-07	6.03E-08
2450	497156.82, 3858864.83	9.36E-04	1.48E-07	5.80E-08	9.56E-04	1.51E-07	5.91E-08	9.54E-04	1.50E-07	5.91E-08
2451	497256.82, 3858864.83	9.28E-04	1.46E-07	5.74E-08	9.47E-04	1.49E-07	5.86E-08	9.46E-04	1.49E-07	5.85E-08
2452	496856.82, 3858964.83	1.05E-03	1.66E-07	6.51E-08	1.07E-03	1.69E-07	6.64E-08	1.07E-03	1.69E-07	6.64E-08
2453	496956.82, 3858964.83	1.03E-03	1.62E-07	6.35E-08	1.05E-03	1.65E-07	6.48E-08	1.05E-03	1.65E-07	6.47E-08

2454	497056.82, 3858964.83	1.01E-03	1.58E-07	6.23E-08	1.03E-03	1.62E-07	6.35E-08	1.03E-03	1.62E-07	6.35E-08
2455	497156.82, 3858964.83	9.86E-04	1.55E-07	6.10E-08	1.01E-03	1.58E-07	6.22E-08	1.00E-03	1.58E-07	6.22E-08
2456	497256.82, 3858964.83	9.88E-04	1.56E-07	6.11E-08	1.01E-03	1.59E-07	6.24E-08	1.01E-03	1.59E-07	6.23E-08
2457	496856.82, 3859064.83	1.10E-03	1.74E-07	6.82E-08	1.12E-03	1.77E-07	6.96E-08	1.12E-03	1.77E-07	6.95E-08
2458	496956.82, 3859064.83	1.08E-03	1.70E-07	6.67E-08	1.10E-03	1.73E-07	6.81E-08	1.10E-03	1.73E-07	6.80E-08
2459	497056.82, 3859064.83	1.06E-03	1.67E-07	6.54E-08	1.08E-03	1.70E-07	6.68E-08	1.08E-03	1.70E-07	6.67E-08
2460	497156.82, 3859064.83	1.04E-03	1.64E-07	6.43E-08	1.06E-03	1.67E-07	6.56E-08	1.06E-03	1.67E-07	6.56E-08
2461	497256.82, 3859064.83	1.05E-03	1.65E-07	6.49E-08	1.07E-03	1.69E-07	6.62E-08	1.07E-03	1.68E-07	6.62E-08
2462	496856.82, 3859164.83	1.14E-03	1.80E-07	7.06E-08	1.16E-03	1.83E-07	7.21E-08	1.16E-03	1.83E-07	7.20E-08
2463	496956.82, 3859164.83	1.11E-03	1.76E-07	6.90E-08	1.14E-03	1.79E-07	7.04E-08	1.14E-03	1.79E-07	7.03E-08
2464	497056.82, 3859164.83	1.10E-03	1.73E-07	6.80E-08	1.12E-03	1.77E-07	6.94E-08	1.12E-03	1.76E-07	6.93E-08
2465	497156.82, 3859164.83	1.10E-03	1.73E-07	6.79E-08	1.12E-03	1.76E-07	6.93E-08	1.12E-03	1.76E-07	6.92E-08
2466	497256.82, 3859164.83	1.11E-03	1.75E-07	6.88E-08	1.13E-03	1.79E-07	7.02E-08	1.13E-03	1.78E-07	7.01E-08
2467	496856.82, 3859264.83	1.17E-03	1.85E-07	7.25E-08	1.20E-03	1.88E-07	7.40E-08	1.19E-03	1.88E-07	7.39E-08
2468	496956.82, 3859264.83	1.16E-03	1.83E-07	7.18E-08	1.18E-03	1.86E-07	7.33E-08	1.18E-03	1.86E-07	7.32E-08
2469	497056.82, 3859264.83	1.16E-03	1.83E-07	7.17E-08	1.18E-03	1.86E-07	7.32E-08	1.18E-03	1.86E-07	7.31E-08
2470	497156.82, 3859264.83	1.16E-03	1.82E-07	7.15E-08	1.18E-03	1.86E-07	7.30E-08	1.18E-03	1.86E-07	7.29E-08
2471	497256.82, 3859264.83	1.17E-03	1.84E-07	7.21E-08	1.19E-03	1.87E-07	7.36E-08	1.19E-03	1.87E-07	7.35E-08
2472	497088.92, 3858620.93	8.21E-04	1.29E-07	5.08E-08	8.37E-04	1.32E-07	5.18E-08	8.36E-04	1.32E-07	5.18E-08
2473	497138.92, 3858620.93	8.19E-04	1.29E-07	5.07E-08	8.36E-04	1.32E-07	5.17E-08	8.35E-04	1.31E-07	5.17E-08
2474	497188.92, 3858620.93	8.16E-04	1.28E-07	5.05E-08	8.32E-04	1.31E-07	5.15E-08	8.31E-04	1.31E-07	5.14E-08
2475	497238.92, 3858620.93	8.11E-04	1.28E-07	5.02E-08	8.28E-04	1.30E-07	5.12E-08	8.27E-04	1.30E-07	5.12E-08
2476	497088.92, 3858670.93	8.40E-04	1.32E-07	5.20E-08	8.57E-04	1.35E-07	5.30E-08	8.56E-04	1.35E-07	5.30E-08
2477	497138.92, 3858670.93	8.42E-04	1.33E-07	5.21E-08	8.59E-04	1.35E-07	5.31E-08	8.58E-04	1.35E-07	5.31E-08
2478	497188.92, 3858670.93	8.34E-04	1.31E-07	5.16E-08	8.52E-04	1.34E-07	5.27E-08	8.51E-04	1.34E-07	5.26E-08
2479	497238.92, 3858670.93	8.32E-04	1.31E-07	5.15E-08	8.49E-04	1.34E-07	5.26E-08	8.48E-04	1.34E-07	5.25E-08
2480	497088.92, 3858720.93	8.72E-04	1.37E-07	5.39E-08	8.89E-04	1.40E-07	5.50E-08	8.88E-04	1.40E-07	5.50E-08
2481	497138.92, 3858720.93	8.53E-04	1.34E-07	5.28E-08	8.70E-04	1.37E-07	5.39E-08	8.69E-04	1.37E-07	5.38E-08
2482	497188.92, 3858720.93	8.48E-04	1.34E-07	5.25E-08	8.65E-04	1.36E-07	5.36E-08	8.64E-04	1.36E-07	5.35E-08
2483	497238.92, 3858720.93	8.55E-04	1.35E-07	5.29E-08	8.73E-04	1.38E-07	5.40E-08	8.72E-04	1.37E-07	5.40E-08
2484	497088.92, 3858770.93	8.93E-04	1.41E-07	5.52E-08	9.11E-04	1.43E-07	5.64E-08	9.10E-04	1.43E-07	5.63E-08
2485	497138.92, 3858770.93	8.83E-04	1.39E-07	5.47E-08	9.01E-04	1.42E-07	5.58E-08	9.00E-04	1.42E-07	5.57E-08
2486	497188.92, 3858770.93	8.74E-04	1.38E-07	5.41E-08	8.92E-04	1.40E-07	5.52E-08	8.91E-04	1.40E-07	5.51E-08
2487	497238.92, 3858770.93	8.79E-04	1.39E-07	5.44E-08	8.97E-04	1.41E-07	5.55E-08	8.96E-04	1.41E-07	5.55E-08
2488	497396.65, 3858622.63	8.36E-04	1.32E-07	5.17E-08	8.53E-04	1.34E-07	5.28E-08	8.52E-04	1.34E-07	5.27E-08
2489	497496.65, 3858622.63	8.49E-04	1.34E-07	5.26E-08	8.67E-04	1.37E-07	5.36E-08	8.66E-04	1.36E-07	5.36E-08
2490	497596.65, 3858622.63	8.74E-04	1.38E-07	5.41E-08	8.92E-04	1.41E-07	5.52E-08	8.91E-04	1.40E-07	5.51E-08
2491	497696.65, 3858622.63	8.83E-04	1.39E-07	5.47E-08	9.01E-04	1.42E-07	5.58E-08	9.00E-04	1.42E-07	5.57E-08
2492	497796.65, 3858622.63	9.00E-04	1.42E-07	5.57E-08	9.19E-04	1.45E-07	5.68E-08	9.17E-04	1.45E-07	5.68E-08
2493	497896.65, 3858622.63	9.18E-04	1.45E-07	5.68E-08	9.36E-04	1.48E-07	5.79E-08	9.35E-04	1.47E-07	5.79E-08
2494	497396.65, 3858722.63	8.85E-04	1.39E-07	5.48E-08	9.03E-04	1.42E-07	5.59E-08	9.02E-04	1.42E-07	5.58E-08
2495	497496.65, 3858722.63	8.98E-04	1.41E-07	5.56E-08	9.16E-04	1.44E-07	5.67E-08	9.15E-04	1.44E-07	5.67E-08
2496	497596.65, 3858722.63	9.24E-04	1.46E-07	5.72E-08	9.43E-04	1.48E-07	5.83E-08	9.42E-04	1.48E-07	5.83E-08
2497	497696.65, 3858722.63	9.37E-04	1.48E-07	5.80E-08	9.56E-04	1.51E-07	5.92E-08	9.55E-04	1.50E-07	5.91E-08
2498	497796.65, 3858722.63	9.44E-04	1.49E-07	5.84E-08	9.63E-04	1.52E-07	5.96E-08	9.62E-04	1.51E-07	5.95E-08
2499	497896.65, 3858722.63	9.55E-04	1.50E-07	5.91E-08	9.75E-04	1.54E-07	6.03E-08	9.73E-04	1.53E-07	6.02E-08
2500	497396.65, 3858822.63	9.28E-04	1.46E-07	5.74E-08	9.47E-04	1.49E-07	5.86E-08	9.46E-04	1.49E-07	5.85E-08
2501	497496.65, 3858822.63	9.38E-04	1.48E-07	5.81E-08	9.57E-04	1.51E-07	5.92E-08	9.56E-04	1.51E-07	5.92E-08
2502	497596.65, 3858822.63	9.66E-04	1.52E-07	5.98E-08	9.85E-04	1.55E-07	6.10E-08	9.84E-04	1.55E-07	6.09E-08
2503	497696.65, 3858822.63	9.78E-04	1.54E-07	6.05E-08	9.98E-04	1.57E-07	6.18E-08	9.97E-04	1.57E-07	6.17E-08
2504	497796.65, 3858822.63	9.81E-04	1.55E-07	6.07E-08	1.00E-03	1.58E-07	6.20E-08	1.00E-03	1.58E-07	6.19E-08
2505	497896.65, 3858822.63	1.01E-03	1.58E-07	6.22E-08	1.03E-03	1.62E-07	6.35E-08	1.02E-03	1.61E-07	6.34E-08
2506	497396.65, 3858922.63	9.74E-04	1.53E-07	6.03E-08	9.94E-04	1.57E-07	6.15E-08	9.93E-04	1.56E-07	6.14E-08
2507	497496.65, 3858922.63	9.99E-04	1.57E-07	6.19E-08	1.02E-03	1.61E-07	6.31E-08	1.02E-03	1.60E-07	6.30E-08
2508	497596.65, 3858922.63	9.94E-04	1.57E-07	6.15E-08	1.01E-03	1.60E-07	6.28E-08	1.01E-03	1.60E-07	6.27E-08
2509	497696.65, 3858922.63	1.02E-03	1.61E-07	6.33E-08	1.04E-03	1.64E-07	6.46E-08	1.04E-03	1.64E-07	6.45E-08
2510	497796.65, 3858922.63	1.04E-03	1.64E-07	6.44E-08	1.06E-03	1.67E-07	6.58E-08	1.06E-03	1.67E-07	6.57E-08
2511	497896.65, 3858922.63	1.07E-03	1.68E-07	6.61E-08	1.09E-03	1.72E-07	6.75E-08	1.09E-03	1.72E-07	6.74E-08
2512	497364.44, 3858201.52	6.93E-04	1.09E-07	4.29E-08	7.07E-04	1.11E-07	4.37E-08	7.06E-04	1.11E-07	4.37E-08
2513	497414.44, 3858201.52	6.98E-04	1.10E-07	4.32E-08	7.13E-04	1.12E-07	4.41E-08	7.12E-04	1.12E-07	4.41E-08
2514	497464.44, 3858201.52	7.05E-04	1.11E-07	4.36E-08	7.19E-04	1.13E-07	4.45E-08	7.18E-04	1.13E-07	4.44E-08
2515	497514.44, 3858201.52	7.09E-04	1.12E-07	4.39E-08	7.24E-04	1.14E-07	4.48E-08	7.23E-04	1.14E-07	4.47E-08
2516	497564.44, 3858201.52	7.08E-04	1.11E-07	4.38E-08	7.22E-04	1.14E-07	4.47E-08	7.21E-04	1.14E-07	4.46E-08

2517	497614.44, 3858201.52	7.10E-04	1.12E-07	4.39E-08	7.24E-04	1.14E-07	4.48E-08	7.23E-04	1.14E-07	4.48E-08
2518	497364.44, 3858251.52	7.15E-04	1.13E-07	4.42E-08	7.29E-04	1.15E-07	4.51E-08	7.28E-04	1.15E-07	4.51E-08
2519	497414.44, 3858251.52	7.24E-04	1.14E-07	4.48E-08	7.39E-04	1.16E-07	4.57E-08	7.38E-04	1.16E-07	4.57E-08
2520	497464.44, 3858251.52	7.20E-04	1.13E-07	4.45E-08	7.34E-04	1.16E-07	4.54E-08	7.33E-04	1.16E-07	4.54E-08
2521	497514.44, 3858251.52	7.14E-04	1.12E-07	4.42E-08	7.29E-04	1.15E-07	4.51E-08	7.28E-04	1.15E-07	4.50E-08
2522	497564.44, 3858251.52	7.13E-04	1.12E-07	4.41E-08	7.27E-04	1.15E-07	4.50E-08	7.26E-04	1.14E-07	4.50E-08
2523	497614.44, 3858251.52	7.12E-04	1.12E-07	4.40E-08	7.26E-04	1.14E-07	4.49E-08	7.25E-04	1.14E-07	4.49E-08
2524	497364.44, 3858301.52	7.28E-04	1.15E-07	4.51E-08	7.43E-04	1.17E-07	4.60E-08	7.42E-04	1.17E-07	4.59E-08
2525	497414.44, 3858301.52	7.35E-04	1.16E-07	4.55E-08	7.50E-04	1.18E-07	4.64E-08	7.49E-04	1.18E-07	4.63E-08
2526	497464.44, 3858301.52	7.28E-04	1.15E-07	4.51E-08	7.43E-04	1.17E-07	4.60E-08	7.42E-04	1.17E-07	4.59E-08
2527	497514.44, 3858301.52	7.25E-04	1.14E-07	4.48E-08	7.39E-04	1.16E-07	4.58E-08	7.39E-04	1.16E-07	4.57E-08
2528	497564.44, 3858301.52	7.18E-04	1.13E-07	4.45E-08	7.33E-04	1.15E-07	4.54E-08	7.32E-04	1.15E-07	4.53E-08
2529	497614.44, 3858301.52	7.17E-04	1.13E-07	4.44E-08	7.31E-04	1.15E-07	4.53E-08	7.30E-04	1.15E-07	4.52E-08
2530	497364.44, 3858351.52	7.45E-04	1.17E-07	4.61E-08	7.60E-04	1.20E-07	4.70E-08	7.59E-04	1.20E-07	4.70E-08
2531	497414.44, 3858351.52	7.41E-04	1.17E-07	4.59E-08	7.56E-04	1.19E-07	4.68E-08	7.55E-04	1.19E-07	4.67E-08
2532	497464.44, 3858351.52	7.40E-04	1.17E-07	4.58E-08	7.55E-04	1.19E-07	4.67E-08	7.54E-04	1.19E-07	4.67E-08
2533	497514.44, 3858351.52	7.37E-04	1.16E-07	4.56E-08	7.52E-04	1.18E-07	4.65E-08	7.51E-04	1.18E-07	4.65E-08
2534	497564.44, 3858351.52	7.28E-04	1.15E-07	4.51E-08	7.43E-04	1.17E-07	4.60E-08	7.42E-04	1.17E-07	4.59E-08
2535	497614.44, 3858351.52	7.27E-04	1.15E-07	4.50E-08	7.42E-04	1.17E-07	4.59E-08	7.41E-04	1.17E-07	4.59E-08
2536	497364.44, 3858401.52	7.49E-04	1.18E-07	4.64E-08	7.65E-04	1.20E-07	4.73E-08	7.64E-04	1.20E-07	4.73E-08
2537	497414.44, 3858401.52	7.51E-04	1.18E-07	4.65E-08	7.66E-04	1.21E-07	4.74E-08	7.65E-04	1.21E-07	4.74E-08
2538	497464.44, 3858401.52	7.46E-04	1.18E-07	4.62E-08	7.62E-04	1.20E-07	4.71E-08	7.61E-04	1.20E-07	4.71E-08
2539	497514.44, 3858401.52	7.44E-04	1.17E-07	4.60E-08	7.59E-04	1.20E-07	4.70E-08	7.58E-04	1.19E-07	4.69E-08
2540	497564.44, 3858401.52	7.51E-04	1.18E-07	4.65E-08	7.66E-04	1.21E-07	4.74E-08	7.65E-04	1.21E-07	4.74E-08
2541	497614.44, 3858401.52	7.55E-04	1.19E-07	4.67E-08	7.71E-04	1.21E-07	4.77E-08	7.70E-04	1.21E-07	4.76E-08
2542	493478.11, 3860497.94	5.42E-03	8.54E-07	3.35E-07	5.53E-03	8.71E-07	3.42E-07	5.52E-03	8.70E-07	3.42E-07
2543	493528.11, 3860497.94	5.28E-03	8.31E-07	3.27E-07	5.38E-03	8.48E-07	3.33E-07	5.38E-03	8.47E-07	3.33E-07
2544	493478.11, 3860547.94	5.23E-03	8.24E-07	3.24E-07	5.34E-03	8.41E-07	3.30E-07	5.33E-03	8.40E-07	3.30E-07
2545	493528.11, 3860547.94	5.10E-03	8.03E-07	3.15E-07	5.20E-03	8.19E-07	3.22E-07	5.19E-03	8.18E-07	3.21E-07
2546	493478.11, 3860597.94	5.02E-03	7.91E-07	3.11E-07	5.12E-03	8.07E-07	3.17E-07	5.12E-03	8.06E-07	3.17E-07
2547	493528.11, 3860597.94	4.89E-03	7.71E-07	3.03E-07	4.99E-03	7.86E-07	3.09E-07	4.99E-03	7.85E-07	3.09E-07
2548	493561.88, 3860524.64	5.09E-03	8.02E-07	3.15E-07	5.20E-03	8.18E-07	3.22E-07	5.19E-03	8.17E-07	3.21E-07
2549	493591.88, 3860524.64	5.01E-03	7.90E-07	3.10E-07	5.11E-03	8.06E-07	3.17E-07	5.11E-03	8.05E-07	3.16E-07
2550	493561.88, 3860554.64	4.98E-03	7.85E-07	3.08E-07	5.08E-03	8.01E-07	3.15E-07	5.08E-03	8.00E-07	3.14E-07
2551	493591.88, 3860554.64	4.91E-03	7.73E-07	3.04E-07	5.01E-03	7.89E-07	3.10E-07	5.00E-03	7.88E-07	3.10E-07
2552	492880.5, 3860293.11	9.01E-03	1.42E-06	5.58E-07	9.19E-03	1.45E-06	5.69E-07	9.18E-03	1.45E-06	5.68E-07
2553	492930.5, 3860293.11	8.62E-03	1.36E-06	5.33E-07	8.80E-03	1.39E-06	5.44E-07	8.79E-03	1.38E-06	5.44E-07
2554	492980.5, 3860293.11	8.25E-03	1.30E-06	5.11E-07	8.42E-03	1.33E-06	5.21E-07	8.41E-03	1.32E-06	5.20E-07
2555	493030.5, 3860293.11	7.75E-03	1.22E-06	4.80E-07	7.91E-03	1.25E-06	4.90E-07	7.90E-03	1.25E-06	4.89E-07
2556	493080.5, 3860293.11	7.18E-03	1.13E-06	4.44E-07	7.33E-03	1.15E-06	4.53E-07	7.32E-03	1.15E-06	4.53E-07
2557	493130.5, 3860293.11	7.16E-03	1.13E-06	4.43E-07	7.31E-03	1.15E-06	4.52E-07	7.30E-03	1.15E-06	4.52E-07
2558	493180.5, 3860293.11	7.06E-03	1.11E-06	4.37E-07	7.20E-03	1.13E-06	4.46E-07	7.19E-03	1.13E-06	4.45E-07
2559	493230.5, 3860293.11	6.85E-03	1.08E-06	4.24E-07	6.99E-03	1.10E-06	4.33E-07	6.98E-03	1.10E-06	4.32E-07
2560	493280.5, 3860293.11	6.56E-03	1.03E-06	4.06E-07	6.69E-03	1.05E-06	4.14E-07	6.69E-03	1.05E-06	4.14E-07
2561	493330.5, 3860293.11	6.32E-03	9.96E-07	3.91E-07	6.45E-03	1.02E-06	3.99E-07	6.45E-03	1.02E-06	3.99E-07
2562	493380.5, 3860293.11	6.12E-03	9.65E-07	3.79E-07	6.25E-03	9.84E-07	3.87E-07	6.24E-03	9.83E-07	3.86E-07
2563	492880.5, 3860343.11	8.95E-03	1.41E-06	5.54E-07	9.13E-03	1.44E-06	5.65E-07	9.12E-03	1.44E-06	5.65E-07
2564	492930.5, 3860343.11	8.58E-03	1.35E-06	5.31E-07	8.75E-03	1.38E-06	5.42E-07	8.74E-03	1.38E-06	5.41E-07
2565	492980.5, 3860343.11	8.08E-03	1.27E-06	5.00E-07	8.24E-03	1.30E-06	5.10E-07	8.23E-03	1.30E-06	5.10E-07
2566	493030.5, 3860343.11	7.77E-03	1.22E-06	4.81E-07	7.93E-03	1.25E-06	4.91E-07	7.92E-03	1.25E-06	4.90E-07
2567	493080.5, 3860343.11	7.29E-03	1.15E-06	4.51E-07	7.44E-03	1.17E-06	4.60E-07	7.43E-03	1.17E-06	4.60E-07
2568	493130.5, 3860343.11	7.11E-03	1.12E-06	4.40E-07	7.25E-03	1.14E-06	4.49E-07	7.25E-03	1.14E-06	4.48E-07
2569	493180.5, 3860343.11	7.00E-03	1.10E-06	4.33E-07	7.14E-03	1.12E-06	4.42E-07	7.13E-03	1.12E-06	4.41E-07
2570	493230.5, 3860343.11	6.78E-03	1.07E-06	4.20E-07	6.92E-03	1.09E-06	4.28E-07	6.91E-03	1.09E-06	4.28E-07
2571	493280.5, 3860343.11	6.51E-03	1.03E-06	4.03E-07	6.64E-03	1.05E-06	4.11E-07	6.63E-03	1.04E-06	4.10E-07
2572	493330.5, 3860343.11	6.26E-03	9.87E-07	3.88E-07	6.39E-03	1.01E-06	3.96E-07	6.38E-03	1.01E-06	3.95E-07
2573	493380.5, 3860343.11	6.07E-03	9.57E-07	3.76E-07	6.20E-03	9.76E-07	3.84E-07	6.19E-03	9.75E-07	3.83E-07
2574	492880.5, 3860393.11	8.78E-03	1.38E-06	5.44E-07	8.96E-03	1.41E-06	5.55E-07	8.95E-03	1.41E-06	5.54E-07
2575	492930.5, 3860393.11	8.41E-03	1.33E-06	5.21E-07	8.59E-03	1.35E-06	5.31E-07	8.58E-03	1.35E-06	5.31E-07
2576	492980.5, 3860393.11	8.03E-03	1.26E-06	4.97E-07	8.19E-03	1.29E-06	5.07E-07	8.18E-03	1.29E-06	5.06E-07
2577	493030.5, 3860393.11	7.67E-03	1.21E-06	4.75E-07	7.83E-03	1.23E-06	4.85E-07	7.82E-03	1.23E-06	4.84E-07
2578	493080.5, 3860393.11	7.23E-03	1.14E-06	4.48E-07	7.38E-03	1.16E-06	4.57E-07	7.37E-03	1.16E-06	4.56E-07
2579	493130.5, 3860393.11	7.06E-03	1.11E-06	4.37E-07	7.20E-03	1.13E-06	4.46E-07	7.19E-03	1.13E-06	4.45E-07

2580	493180.5, 3860393.11	6.91E-03	1.09E-06	4.27E-07	7.05E-03	1.11E-06	4.36E-07	7.04E-03	1.11E-06	4.36E-07
2581	493230.5, 3860393.11	6.67E-03	1.05E-06	4.13E-07	6.81E-03	1.07E-06	4.21E-07	6.80E-03	1.07E-06	4.21E-07
2582	493280.5, 3860393.11	6.40E-03	1.01E-06	3.96E-07	6.53E-03	1.03E-06	4.04E-07	6.52E-03	1.03E-06	4.04E-07
2583	493330.5, 3860393.11	6.17E-03	9.72E-07	3.82E-07	6.30E-03	9.92E-07	3.90E-07	6.29E-03	9.91E-07	3.89E-07
2584	493380.5, 3860393.11	5.98E-03	9.42E-07	3.70E-07	6.10E-03	9.61E-07	3.77E-07	6.09E-03	9.60E-07	3.77E-07
2585	492880.5, 3860443.11	8.50E-03	1.34E-06	5.26E-07	8.67E-03	1.37E-06	5.37E-07	8.66E-03	1.36E-06	5.36E-07
2586	492930.5, 3860443.11	8.15E-03	1.28E-06	5.05E-07	8.32E-03	1.31E-06	5.15E-07	8.31E-03	1.31E-06	5.14E-07
2587	492980.5, 3860443.11	7.83E-03	1.23E-06	4.85E-07	7.99E-03	1.26E-06	4.95E-07	7.98E-03	1.26E-06	4.94E-07
2588	493030.5, 3860443.11	7.51E-03	1.18E-06	4.65E-07	7.66E-03	1.21E-06	4.74E-07	7.65E-03	1.21E-06	4.74E-07
2589	493080.5, 3860443.11	7.23E-03	1.14E-06	4.47E-07	7.37E-03	1.16E-06	4.56E-07	7.36E-03	1.16E-06	4.56E-07
2590	493130.5, 3860443.11	6.96E-03	1.10E-06	4.31E-07	7.10E-03	1.12E-06	4.40E-07	7.10E-03	1.12E-06	4.39E-07
2591	493180.5, 3860443.11	6.76E-03	1.07E-06	4.18E-07	6.90E-03	1.09E-06	4.27E-07	6.89E-03	1.09E-06	4.26E-07
2592	493230.5, 3860443.11	6.50E-03	1.02E-06	4.02E-07	6.63E-03	1.04E-06	4.10E-07	6.62E-03	1.04E-06	4.10E-07
2593	493280.5, 3860443.11	6.27E-03	9.87E-07	3.88E-07	6.40E-03	1.01E-06	3.96E-07	6.39E-03	1.01E-06	3.95E-07
2594	493330.5, 3860443.11	6.03E-03	9.49E-07	3.73E-07	6.15E-03	9.69E-07	3.81E-07	6.14E-03	9.67E-07	3.80E-07
2595	493380.5, 3860443.11	5.86E-03	9.23E-07	3.63E-07	5.98E-03	9.42E-07	3.70E-07	5.97E-03	9.41E-07	3.70E-07
2596	493180.5, 3860493.11	6.52E-03	1.03E-06	4.04E-07	6.65E-03	1.05E-06	4.12E-07	6.65E-03	1.05E-06	4.11E-07
2597	493230.5, 3860493.11	6.30E-03	9.92E-07	3.90E-07	6.43E-03	1.01E-06	3.98E-07	6.42E-03	1.01E-06	3.97E-07
2598	493280.5, 3860493.11	6.08E-03	9.58E-07	3.76E-07	6.21E-03	9.78E-07	3.84E-07	6.20E-03	9.77E-07	3.84E-07
2599	493330.5, 3860493.11	5.88E-03	9.27E-07	3.64E-07	6.00E-03	9.46E-07	3.72E-07	6.00E-03	9.45E-07	3.71E-07
2600	493380.5, 3860493.11	5.72E-03	9.01E-07	3.54E-07	5.84E-03	9.20E-07	3.61E-07	5.83E-03	9.19E-07	3.61E-07
2601	493330.5, 3860543.11	5.68E-03	8.95E-07	3.52E-07	5.80E-03	9.13E-07	3.59E-07	5.79E-03	9.12E-07	3.58E-07
2602	493380.5, 3860543.11	5.53E-03	8.71E-07	3.42E-07	5.64E-03	8.89E-07	3.49E-07	5.63E-03	8.87E-07	3.49E-07
2603	494135.94, 3860876.85	3.04E-03	4.78E-07	1.88E-07	3.10E-03	4.88E-07	1.92E-07	3.09E-03	4.87E-07	1.91E-07
2604	494185.94, 3860876.85	2.99E-03	4.71E-07	1.85E-07	3.05E-03	4.81E-07	1.89E-07	3.05E-03	4.80E-07	1.89E-07
2605	494135.94, 3860926.85	2.90E-03	4.57E-07	1.80E-07	2.96E-03	4.67E-07	1.83E-07	2.96E-03	4.66E-07	1.83E-07
2606	494185.94, 3860926.85	2.86E-03	4.51E-07	1.77E-07	2.92E-03	4.60E-07	1.81E-07	2.92E-03	4.60E-07	1.81E-07
2607	494135.94, 3860976.85	2.77E-03	4.37E-07	1.72E-07	2.83E-03	4.46E-07	1.75E-07	2.83E-03	4.45E-07	1.75E-07
2608	494185.94, 3860976.85	2.74E-03	4.32E-07	1.70E-07	2.80E-03	4.40E-07	1.73E-07	2.79E-03	4.40E-07	1.73E-07
2609	494135.94, 3861026.85	2.64E-03	4.17E-07	1.64E-07	2.70E-03	4.25E-07	1.67E-07	2.70E-03	4.25E-07	1.67E-07
2610	494185.94, 3861026.85	2.62E-03	4.12E-07	1.62E-07	2.67E-03	4.20E-07	1.65E-07	2.67E-03	4.20E-07	1.65E-07
2611	494135.94, 3861076.85	2.52E-03	3.97E-07	1.56E-07	2.57E-03	4.05E-07	1.59E-07	2.57E-03	4.05E-07	1.59E-07
2612	494185.94, 3861076.85	2.49E-03	3.93E-07	1.54E-07	2.55E-03	4.01E-07	1.58E-07	2.54E-03	4.01E-07	1.57E-07
2613	490360.04, 3858710.04	4.73E-03	7.45E-07	2.93E-07	4.83E-03	7.61E-07	2.99E-07	4.82E-03	7.60E-07	2.98E-07
2614	490410.04, 3858710.04	4.62E-03	7.27E-07	2.86E-07	4.71E-03	7.42E-07	2.92E-07	4.71E-03	7.41E-07	2.91E-07
2615	490460.04, 3858710.04	4.45E-03	7.02E-07	2.76E-07	4.55E-03	7.16E-07	2.81E-07	4.54E-03	7.15E-07	2.81E-07
2616	490510.04, 3858710.04	4.35E-03	6.85E-07	2.69E-07	4.43E-03	6.99E-07	2.74E-07	4.43E-03	6.98E-07	2.74E-07
2617	490560.04, 3858710.04	4.26E-03	6.71E-07	2.63E-07	4.34E-03	6.84E-07	2.69E-07	4.34E-03	6.84E-07	2.69E-07
2618	490610.04, 3858710.04	4.16E-03	6.56E-07	2.58E-07	4.25E-03	6.69E-07	2.63E-07	4.24E-03	6.68E-07	2.63E-07
2619	490660.04, 3858710.04	4.12E-03	6.48E-07	2.55E-07	4.20E-03	6.62E-07	2.60E-07	4.19E-03	6.61E-07	2.60E-07
2620	490710.04, 3858710.04	3.99E-03	6.29E-07	2.47E-07	4.08E-03	6.42E-07	2.52E-07	4.07E-03	6.41E-07	2.52E-07
2621	490760.04, 3858710.04	3.89E-03	6.14E-07	2.41E-07	3.97E-03	6.26E-07	2.46E-07	3.97E-03	6.25E-07	2.46E-07
2622	490810.04, 3858710.04	3.80E-03	5.98E-07	2.35E-07	3.87E-03	6.10E-07	2.40E-07	3.87E-03	6.10E-07	2.39E-07
2623	490860.04, 3858710.04	3.67E-03	5.78E-07	2.27E-07	3.75E-03	5.90E-07	2.32E-07	3.74E-03	5.90E-07	2.32E-07
2624	490360.04, 3858760.04	5.33E-03	8.39E-07	3.30E-07	5.44E-03	8.56E-07	3.36E-07	5.43E-03	8.55E-07	3.36E-07
2625	490410.04, 3858760.04	5.17E-03	8.14E-07	3.20E-07	5.27E-03	8.30E-07	3.26E-07	5.27E-03	8.29E-07	3.26E-07
2626	490460.04, 3858760.04	4.99E-03	7.86E-07	3.09E-07	5.09E-03	8.02E-07	3.15E-07	5.09E-03	8.02E-07	3.15E-07
2627	490510.04, 3858760.04	4.82E-03	7.59E-07	2.98E-07	4.91E-03	7.74E-07	3.04E-07	4.91E-03	7.73E-07	3.04E-07
2628	490560.04, 3858760.04	4.68E-03	7.37E-07	2.90E-07	4.78E-03	7.52E-07	2.96E-07	4.77E-03	7.52E-07	2.95E-07
2629	490610.04, 3858760.04	4.54E-03	7.15E-07	2.81E-07	4.63E-03	7.30E-07	2.87E-07	4.63E-03	7.29E-07	2.86E-07
2630	490660.04, 3858760.04	4.42E-03	6.96E-07	2.73E-07	4.51E-03	7.10E-07	2.79E-07	4.50E-03	7.09E-07	2.79E-07
2631	490710.04, 3858760.04	4.30E-03	6.77E-07	2.66E-07	4.39E-03	6.91E-07	2.71E-07	4.38E-03	6.90E-07	2.71E-07
2632	490760.04, 3858760.04	4.16E-03	6.55E-07	2.57E-07	4.24E-03	6.68E-07	2.63E-07	4.24E-03	6.68E-07	2.62E-07
2633	490810.04, 3858760.04	4.03E-03	6.35E-07	2.50E-07	4.11E-03	6.48E-07	2.55E-07	4.11E-03	6.47E-07	2.54E-07
2634	490860.04, 3858760.04	3.93E-03	6.19E-07	2.43E-07	4.01E-03	6.31E-07	2.48E-07	4.00E-03	6.30E-07	2.48E-07
2635	490360.04, 3858810.04	5.95E-03	9.37E-07	3.68E-07	6.07E-03	9.56E-07	3.75E-07	6.06E-03	9.55E-07	3.75E-07
2636	490410.04, 3858810.04	5.73E-03	9.03E-07	3.55E-07	5.85E-03	9.21E-07	3.62E-07	5.84E-03	9.20E-07	3.62E-07
2637	490460.04, 3858810.04	5.52E-03	8.69E-07	3.42E-07	5.63E-03	8.87E-07	3.48E-07	5.62E-03	8.86E-07	3.48E-07
2638	490510.04, 3858810.04	5.36E-03	8.44E-07	3.31E-07	5.47E-03	8.61E-07	3.38E-07	5.46E-03	8.60E-07	3.38E-07
2639	490560.04, 3858810.04	5.19E-03	8.17E-07	3.21E-07	5.29E-03	8.34E-07	3.28E-07	5.29E-03	8.33E-07	3.27E-07
2640	490610.04, 3858810.04	4.98E-03	7.84E-07	3.08E-07	5.08E-03	8.00E-07	3.14E-07	5.07E-03	7.99E-07	3.14E-07
2641	490660.04, 3858810.04	4.81E-03	7.58E-07	2.98E-07	4.91E-03	7.74E-07	3.04E-07	4.90E-03	7.73E-07	3.04E-07
2642	490710.04, 3858810.04	4.64E-03	7.31E-07	2.87E-07	4.73E-03	7.46E-07	2.93E-07	4.73E-03	7.45E-07	2.93E-07

2643	490760.04, 3858810.04	4.43E-03	6.98E-07	2.74E-07	4.52E-03	7.12E-07	2.80E-07	4.52E-03	7.11E-07	2.79E-07
2644	490810.04, 3858810.04	4.34E-03	6.84E-07	2.69E-07	4.43E-03	6.98E-07	2.74E-07	4.43E-03	6.97E-07	2.74E-07
2645	490860.04, 3858810.04	4.19E-03	6.59E-07	2.59E-07	4.27E-03	6.73E-07	2.64E-07	4.27E-03	6.72E-07	2.64E-07
2646	490360.04, 3858860.04	6.56E-03	1.03E-06	4.06E-07	6.70E-03	1.06E-06	4.15E-07	6.69E-03	1.05E-06	4.14E-07
2647	490410.04, 3858860.04	6.39E-03	1.01E-06	3.95E-07	6.52E-03	1.03E-06	4.03E-07	6.51E-03	1.03E-06	4.03E-07
2648	490460.04, 3858860.04	6.10E-03	9.61E-07	3.77E-07	6.22E-03	9.80E-07	3.85E-07	6.22E-03	9.79E-07	3.85E-07
2649	490510.04, 3858860.04	5.95E-03	9.37E-07	3.68E-07	6.07E-03	9.56E-07	3.76E-07	6.06E-03	9.55E-07	3.75E-07
2650	490560.04, 3858860.04	5.70E-03	8.99E-07	3.53E-07	5.82E-03	9.17E-07	3.60E-07	5.81E-03	9.16E-07	3.60E-07
2651	490610.04, 3858860.04	5.41E-03	8.51E-07	3.35E-07	5.52E-03	8.69E-07	3.41E-07	5.51E-03	8.68E-07	3.41E-07
2652	490660.04, 3858860.04	5.21E-03	8.21E-07	3.23E-07	5.32E-03	8.38E-07	3.29E-07	5.31E-03	8.37E-07	3.29E-07
2653	490710.04, 3858860.04	5.07E-03	7.99E-07	3.14E-07	5.17E-03	8.15E-07	3.20E-07	5.17E-03	8.14E-07	3.20E-07
2654	490760.04, 3858860.04	4.83E-03	7.61E-07	2.99E-07	4.93E-03	7.77E-07	3.05E-07	4.93E-03	7.76E-07	3.05E-07
2655	490810.04, 3858860.04	4.63E-03	7.29E-07	2.86E-07	4.72E-03	7.44E-07	2.92E-07	4.71E-03	7.43E-07	2.92E-07
2656	490860.04, 3858860.04	4.42E-03	6.97E-07	2.74E-07	4.52E-03	7.11E-07	2.79E-07	4.51E-03	7.10E-07	2.79E-07
2657	490360.04, 3858910.04	7.42E-03	1.17E-06	4.59E-07	7.57E-03	1.19E-06	4.69E-07	7.56E-03	1.19E-06	4.68E-07
2658	490410.04, 3858910.04	7.12E-03	1.12E-06	4.41E-07	7.27E-03	1.15E-06	4.50E-07	7.26E-03	1.14E-06	4.49E-07
2659	490460.04, 3858910.04	6.82E-03	1.07E-06	4.22E-07	6.96E-03	1.10E-06	4.31E-07	6.95E-03	1.09E-06	4.30E-07
2660	490510.04, 3858910.04	6.51E-03	1.03E-06	4.03E-07	6.64E-03	1.05E-06	4.11E-07	6.63E-03	1.04E-06	4.11E-07
2661	490560.04, 3858910.04	6.19E-03	9.76E-07	3.83E-07	6.32E-03	9.96E-07	3.91E-07	6.31E-03	9.94E-07	3.91E-07
2662	490610.04, 3858910.04	5.89E-03	9.28E-07	3.64E-07	6.01E-03	9.47E-07	3.72E-07	6.00E-03	9.46E-07	3.71E-07
2663	490660.04, 3858910.04	5.65E-03	8.91E-07	3.50E-07	5.77E-03	9.09E-07	3.57E-07	5.76E-03	9.08E-07	3.57E-07
2664	490710.04, 3858910.04	5.40E-03	8.50E-07	3.34E-07	5.51E-03	8.68E-07	3.41E-07	5.50E-03	8.67E-07	3.41E-07
2665	490760.04, 3858910.04	5.12E-03	8.06E-07	3.17E-07	5.22E-03	8.22E-07	3.23E-07	5.21E-03	8.22E-07	3.23E-07
2666	490810.04, 3858910.04	4.92E-03	7.76E-07	3.05E-07	5.02E-03	7.92E-07	3.11E-07	5.02E-03	7.91E-07	3.11E-07
2667	490860.04, 3858910.04	4.67E-03	7.36E-07	2.89E-07	4.77E-03	7.51E-07	2.95E-07	4.76E-03	7.50E-07	2.95E-07
2668	490360.04, 3858960.04	8.23E-03	1.30E-06	5.09E-07	8.40E-03	1.32E-06	5.20E-07	8.39E-03	1.32E-06	5.19E-07
2669	490410.04, 3858960.04	7.82E-03	1.23E-06	4.84E-07	7.98E-03	1.26E-06	4.94E-07	7.97E-03	1.26E-06	4.93E-07
2670	490460.04, 3858960.04	7.41E-03	1.17E-06	4.59E-07	7.56E-03	1.19E-06	4.68E-07	7.55E-03	1.19E-06	4.67E-07
2671	490510.04, 3858960.04	7.05E-03	1.11E-06	4.37E-07	7.20E-03	1.13E-06	4.45E-07	7.19E-03	1.13E-06	4.45E-07
2672	490560.04, 3858960.04	6.72E-03	1.06E-06	4.16E-07	6.86E-03	1.08E-06	4.24E-07	6.85E-03	1.08E-06	4.24E-07
2673	490610.04, 3858960.04	6.32E-03	9.96E-07	3.91E-07	6.45E-03	1.02E-06	3.99E-07	6.45E-03	1.02E-06	3.99E-07
2674	490660.04, 3858960.04	6.12E-03	9.65E-07	3.79E-07	6.25E-03	9.85E-07	3.87E-07	6.24E-03	9.83E-07	3.86E-07
2675	490710.04, 3858960.04	5.78E-03	9.10E-07	3.57E-07	5.89E-03	9.28E-07	3.65E-07	5.89E-03	9.27E-07	3.64E-07
2676	490760.04, 3858960.04	5.49E-03	8.65E-07	3.40E-07	5.60E-03	8.82E-07	3.47E-07	5.59E-03	8.81E-07	3.46E-07
2677	490810.04, 3858960.04	5.22E-03	8.22E-07	3.23E-07	5.32E-03	8.39E-07	3.29E-07	5.32E-03	8.38E-07	3.29E-07
2678	490860.04, 3858960.04	4.93E-03	7.76E-07	3.05E-07	5.03E-03	7.92E-07	3.11E-07	5.02E-03	7.91E-07	3.11E-07
2679	490360.04, 3859010.04	9.10E-03	1.43E-06	5.63E-07	9.29E-03	1.46E-06	5.75E-07	9.28E-03	1.46E-06	5.74E-07
2680	490410.04, 3859010.04	8.58E-03	1.35E-06	5.31E-07	8.75E-03	1.38E-06	5.42E-07	8.74E-03	1.38E-06	5.41E-07
2681	490460.04, 3859010.04	8.01E-03	1.26E-06	4.96E-07	8.17E-03	1.29E-06	5.06E-07	8.16E-03	1.29E-06	5.05E-07
2682	490510.04, 3859010.04	7.50E-03	1.18E-06	4.64E-07	7.65E-03	1.21E-06	4.73E-07	7.64E-03	1.20E-06	4.73E-07
2683	490560.04, 3859010.04	7.20E-03	1.13E-06	4.46E-07	7.35E-03	1.16E-06	4.55E-07	7.34E-03	1.16E-06	4.54E-07
2684	490610.04, 3859010.04	6.76E-03	1.07E-06	4.18E-07	6.90E-03	1.09E-06	4.27E-07	6.89E-03	1.09E-06	4.26E-07
2685	490660.04, 3859010.04	6.54E-03	1.03E-06	4.05E-07	6.68E-03	1.05E-06	4.13E-07	6.67E-03	1.05E-06	4.13E-07
2686	490710.04, 3859010.04	6.14E-03	9.67E-07	3.80E-07	6.27E-03	9.87E-07	3.88E-07	6.26E-03	9.86E-07	3.87E-07
2687	490760.04, 3859010.04	5.80E-03	9.14E-07	3.59E-07	5.92E-03	9.33E-07	3.66E-07	5.91E-03	9.32E-07	3.66E-07
2688	490810.04, 3859010.04	5.49E-03	8.64E-07	3.40E-07	5.60E-03	8.82E-07	3.46E-07	5.59E-03	8.81E-07	3.46E-07
2689	490860.04, 3859010.04	5.22E-03	8.22E-07	3.23E-07	5.32E-03	8.39E-07	3.30E-07	5.32E-03	8.38E-07	3.29E-07
2690	490360.04, 3859060.04	1.00E-02	1.57E-06	6.19E-07	1.02E-02	1.61E-06	6.31E-07	1.02E-02	1.61E-06	6.31E-07
2691	490410.04, 3859060.04	9.23E-03	1.45E-06	5.71E-07	9.41E-03	1.48E-06	5.83E-07	9.40E-03	1.48E-06	5.82E-07
2692	490460.04, 3859060.04	8.63E-03	1.36E-06	5.34E-07	8.80E-03	1.39E-06	5.45E-07	8.79E-03	1.38E-06	5.44E-07
2693	490510.04, 3859060.04	8.12E-03	1.28E-06	5.03E-07	8.29E-03	1.31E-06	5.13E-07	8.28E-03	1.30E-06	5.12E-07
2694	490560.04, 3859060.04	7.59E-03	1.19E-06	4.69E-07	7.74E-03	1.22E-06	4.79E-07	7.73E-03	1.22E-06	4.78E-07
2695	490610.04, 3859060.04	7.23E-03	1.14E-06	4.47E-07	7.38E-03	1.16E-06	4.56E-07	7.37E-03	1.16E-06	4.56E-07
2696	490660.04, 3859060.04	6.91E-03	1.09E-06	4.28E-07	7.05E-03	1.11E-06	4.36E-07	7.04E-03	1.11E-06	4.36E-07
2697	490710.04, 3859060.04	6.46E-03	1.02E-06	4.00E-07	6.60E-03	1.04E-06	4.08E-07	6.59E-03	1.04E-06	4.08E-07
2698	490760.04, 3859060.04	6.09E-03	9.60E-07	3.77E-07	6.22E-03	9.79E-07	3.85E-07	6.21E-03	9.78E-07	3.84E-07
2699	490810.04, 3859060.04	5.74E-03	9.05E-07	3.55E-07	5.86E-03	9.23E-07	3.63E-07	5.85E-03	9.22E-07	3.62E-07
2700	490860.04, 3859060.04	5.45E-03	8.58E-07	3.37E-07	5.56E-03	8.76E-07	3.44E-07	5.55E-03	8.75E-07	3.44E-07
2701	490360.04, 3859110.04	1.11E-02	1.75E-06	6.86E-07	1.13E-02	1.78E-06	7.00E-07	1.13E-02	1.78E-06	7.00E-07
2702	490410.04, 3859110.04	1.02E-02	1.60E-06	6.30E-07	1.04E-02	1.64E-06	6.43E-07	1.04E-02	1.63E-06	6.42E-07
2703	490460.04, 3859110.04	9.55E-03	1.50E-06	5.91E-07	9.74E-03	1.54E-06	6.03E-07	9.73E-03	1.53E-06	6.02E-07
2704	490510.04, 3859110.04	8.66E-03	1.36E-06	5.36E-07	8.84E-03	1.39E-06	5.47E-07	8.83E-03	1.39E-06	5.46E-07
2705	490560.04, 3859110.04	8.12E-03	1.28E-06	5.03E-07	8.29E-03	1.31E-06	5.13E-07	8.28E-03	1.30E-06	5.12E-07

2706	490610.04, 3859110.04	7.58E-03	1.19E-06	4.69E-07	7.74E-03	1.22E-06	4.79E-07	7.73E-03	1.22E-06	4.78E-07
2707	490660.04, 3859110.04	7.06E-03	1.11E-06	4.37E-07	7.20E-03	1.13E-06	4.46E-07	7.19E-03	1.13E-06	4.45E-07
2708	490710.04, 3859110.04	6.73E-03	1.06E-06	4.16E-07	6.87E-03	1.08E-06	4.25E-07	6.86E-03	1.08E-06	4.24E-07
2709	490760.04, 3859110.04	6.36E-03	1.00E-06	3.93E-07	6.49E-03	1.02E-06	4.01E-07	6.48E-03	1.02E-06	4.01E-07
2710	490810.04, 3859110.04	5.97E-03	9.40E-07	3.69E-07	6.09E-03	9.59E-07	3.77E-07	6.08E-03	9.58E-07	3.76E-07
2711	490860.04, 3859110.04	5.62E-03	8.85E-07	3.48E-07	5.73E-03	9.03E-07	3.55E-07	5.73E-03	9.02E-07	3.54E-07
2712	490360.04, 3859160.04	1.24E-02	1.95E-06	7.67E-07	1.26E-02	1.99E-06	7.83E-07	1.26E-02	1.99E-06	7.82E-07
2713	490410.04, 3859160.04	1.14E-02	1.79E-06	7.03E-07	1.16E-02	1.83E-06	7.17E-07	1.16E-02	1.82E-06	7.16E-07
2714	490460.04, 3859160.04	1.05E-02	1.65E-06	6.48E-07	1.07E-02	1.68E-06	6.62E-07	1.07E-02	1.68E-06	6.61E-07
2715	490510.04, 3859160.04	9.66E-03	1.52E-06	5.98E-07	9.86E-03	1.55E-06	6.10E-07	9.85E-03	1.55E-06	6.09E-07
2716	490560.04, 3859160.04	8.82E-03	1.39E-06	5.46E-07	9.00E-03	1.42E-06	5.57E-07	8.99E-03	1.42E-06	5.56E-07
2717	490610.04, 3859160.04	8.27E-03	1.30E-06	5.12E-07	8.44E-03	1.33E-06	5.22E-07	8.43E-03	1.33E-06	5.22E-07
2718	490660.04, 3859160.04	7.41E-03	1.17E-06	4.59E-07	7.56E-03	1.19E-06	4.68E-07	7.55E-03	1.19E-06	4.67E-07
2719	490710.04, 3859160.04	7.03E-03	1.11E-06	4.35E-07	7.17E-03	1.13E-06	4.44E-07	7.17E-03	1.13E-06	4.43E-07
2720	490760.04, 3859160.04	6.50E-03	1.02E-06	4.02E-07	6.63E-03	1.04E-06	4.10E-07	6.62E-03	1.04E-06	4.10E-07
2721	490810.04, 3859160.04	6.19E-03	9.74E-07	3.83E-07	6.31E-03	9.94E-07	3.91E-07	6.30E-03	9.93E-07	3.90E-07
2722	490860.04, 3859160.04	5.88E-03	9.26E-07	3.64E-07	6.00E-03	9.45E-07	3.71E-07	5.99E-03	9.44E-07	3.71E-07
2723	490360.04, 3859210.04	1.39E-02	2.18E-06	8.58E-07	1.41E-02	2.23E-06	8.75E-07	1.41E-02	2.22E-06	8.74E-07
2724	490410.04, 3859210.04	1.30E-02	2.04E-06	8.03E-07	1.32E-02	2.09E-06	8.20E-07	1.32E-02	2.08E-06	8.19E-07
2725	490460.04, 3859210.04	1.15E-02	1.82E-06	7.14E-07	1.18E-02	1.85E-06	7.28E-07	1.18E-02	1.85E-06	7.27E-07
2726	490510.04, 3859210.04	1.05E-02	1.66E-06	6.53E-07	1.08E-02	1.70E-06	6.66E-07	1.07E-02	1.69E-06	6.65E-07
2727	490560.04, 3859210.04	9.86E-03	1.55E-06	6.10E-07	1.01E-02	1.58E-06	6.22E-07	1.00E-02	1.58E-06	6.22E-07
2728	490610.04, 3859210.04	9.07E-03	1.43E-06	5.61E-07	9.26E-03	1.46E-06	5.73E-07	9.25E-03	1.46E-06	5.72E-07
2729	490660.04, 3859210.04	8.14E-03	1.28E-06	5.04E-07	8.30E-03	1.31E-06	5.14E-07	8.29E-03	1.31E-06	5.13E-07
2730	490710.04, 3859210.04	7.57E-03	1.19E-06	4.68E-07	7.72E-03	1.22E-06	4.78E-07	7.72E-03	1.22E-06	4.77E-07
2731	490760.04, 3859210.04	7.01E-03	1.10E-06	4.34E-07	7.16E-03	1.13E-06	4.43E-07	7.15E-03	1.13E-06	4.42E-07
2732	490810.04, 3859210.04	6.81E-03	1.07E-06	4.21E-07	6.95E-03	1.09E-06	4.30E-07	6.94E-03	1.09E-06	4.30E-07
2733	490860.04, 3859210.04	6.60E-03	1.04E-06	4.08E-07	6.74E-03	1.06E-06	4.17E-07	6.73E-03	1.06E-06	4.16E-07
2734	490360.04, 3859260.04	1.54E-02	2.42E-06	9.50E-07	1.57E-02	2.47E-06	9.70E-07	1.56E-02	2.47E-06	9.68E-07
2735	490410.04, 3859260.04	1.42E-02	2.24E-06	8.78E-07	1.45E-02	2.28E-06	8.96E-07	1.45E-02	2.28E-06	8.95E-07
2736	490460.04, 3859260.04	1.33E-02	2.09E-06	8.21E-07	1.35E-02	2.13E-06	8.37E-07	1.35E-02	2.13E-06	8.36E-07
2737	490510.04, 3859260.04	1.24E-02	1.95E-06	7.65E-07	1.26E-02	1.99E-06	7.80E-07	1.26E-02	1.98E-06	7.79E-07
2738	490560.04, 3859260.04	1.13E-02	1.78E-06	7.01E-07	1.16E-02	1.82E-06	7.15E-07	1.15E-02	1.82E-06	7.14E-07
2739	490610.04, 3859260.04	1.01E-02	1.59E-06	6.26E-07	1.03E-02	1.63E-06	6.39E-07	1.03E-02	1.63E-06	6.38E-07
2740	490660.04, 3859260.04	9.70E-03	1.53E-06	6.01E-07	9.90E-03	1.56E-06	6.13E-07	9.89E-03	1.56E-06	6.12E-07
2741	490710.04, 3859260.04	9.01E-03	1.42E-06	5.58E-07	9.20E-03	1.45E-06	5.69E-07	9.19E-03	1.45E-06	5.69E-07
2742	490760.04, 3859260.04	8.22E-03	1.30E-06	5.09E-07	8.39E-03	1.32E-06	5.19E-07	8.38E-03	1.32E-06	5.19E-07
2743	490810.04, 3859260.04	7.89E-03	1.24E-06	4.88E-07	8.05E-03	1.27E-06	4.98E-07	8.04E-03	1.27E-06	4.97E-07
2744	490860.04, 3859260.04	7.57E-03	1.19E-06	4.68E-07	7.72E-03	1.22E-06	4.78E-07	7.71E-03	1.22E-06	4.77E-07
2745	490360.04, 3859310.04	1.76E-02	2.78E-06	1.09E-06	1.80E-02	2.83E-06	1.11E-06	1.80E-02	2.83E-06	1.11E-06
2746	490410.04, 3859310.04	1.62E-02	2.55E-06	1.00E-06	1.65E-02	2.60E-06	1.02E-06	1.65E-02	2.60E-06	1.02E-06
2747	490460.04, 3859310.04	1.50E-02	2.36E-06	9.29E-07	1.53E-02	2.41E-06	9.48E-07	1.53E-02	2.41E-06	9.47E-07
2748	490510.04, 3859310.04	1.41E-02	2.22E-06	8.72E-07	1.44E-02	2.26E-06	8.89E-07	1.44E-02	2.26E-06	8.88E-07
2749	490560.04, 3859310.04	1.32E-02	2.07E-06	8.14E-07	1.34E-02	2.11E-06	8.31E-07	1.34E-02	2.11E-06	8.30E-07
2750	490610.04, 3859310.04	1.24E-02	1.95E-06	7.67E-07	1.26E-02	1.99E-06	7.83E-07	1.26E-02	1.99E-06	7.82E-07
2751	490660.04, 3859310.04	1.15E-02	1.82E-06	7.13E-07	1.18E-02	1.85E-06	7.28E-07	1.18E-02	1.85E-06	7.27E-07
2752	490710.04, 3859310.04	1.03E-02	1.62E-06	6.38E-07	1.05E-02	1.66E-06	6.51E-07	1.05E-02	1.66E-06	6.50E-07
2753	490760.04, 3859310.04	9.60E-03	1.51E-06	5.94E-07	9.80E-03	1.54E-06	6.06E-07	9.79E-03	1.54E-06	6.06E-07
2754	490810.04, 3859310.04	9.14E-03	1.44E-06	5.66E-07	9.33E-03	1.47E-06	5.78E-07	9.32E-03	1.47E-06	5.77E-07
2755	490860.04, 3859310.04	8.59E-03	1.35E-06	5.31E-07	8.76E-03	1.38E-06	5.42E-07	8.75E-03	1.38E-06	5.42E-07
2756	490360.04, 3859360.04	2.04E-02	3.22E-06	1.27E-06	2.09E-02	3.29E-06	1.29E-06	2.08E-02	3.28E-06	1.29E-06
2757	490410.04, 3859360.04	1.90E-02	2.99E-06	1.17E-06	1.94E-02	3.05E-06	1.20E-06	1.94E-02	3.05E-06	1.20E-06
2758	490460.04, 3859360.04	1.77E-02	2.79E-06	1.10E-06	1.81E-02	2.85E-06	1.12E-06	1.81E-02	2.85E-06	1.12E-06
2759	490510.04, 3859360.04	1.66E-02	2.61E-06	1.02E-06	1.69E-02	2.66E-06	1.05E-06	1.69E-02	2.66E-06	1.04E-06
2760	490560.04, 3859360.04	1.52E-02	2.40E-06	9.43E-07	1.55E-02	2.45E-06	9.62E-07	1.55E-02	2.45E-06	9.61E-07
2761	490610.04, 3859360.04	1.41E-02	2.22E-06	8.70E-07	1.44E-02	2.26E-06	8.88E-07	1.43E-02	2.26E-06	8.87E-07
2762	490660.04, 3859360.04	1.31E-02	2.07E-06	8.12E-07	1.34E-02	2.11E-06	8.29E-07	1.34E-02	2.11E-06	8.28E-07
2763	490710.04, 3859360.04	1.20E-02	1.90E-06	7.45E-07	1.23E-02	1.93E-06	7.60E-07	1.23E-02	1.93E-06	7.59E-07
2764	490760.04, 3859360.04	1.10E-02	1.73E-06	6.82E-07	1.12E-02	1.77E-06	6.95E-07	1.12E-02	1.77E-06	6.95E-07
2765	490810.04, 3859360.04	1.06E-02	1.67E-06	6.56E-07	1.08E-02	1.70E-06	6.69E-07	1.08E-02	1.70E-06	6.68E-07
2766	490860.04, 3859360.04	9.97E-03	1.57E-06	6.17E-07	1.02E-02	1.60E-06	6.30E-07	1.02E-02	1.60E-06	6.29E-07
2767	490360.04, 3859410.04	2.40E-02	3.78E-06	1.49E-06	2.45E-02	3.86E-06	1.52E-06	2.45E-02	3.86E-06	1.52E-06
2768	490410.04, 3859410.04	2.23E-02	3.51E-06	1.38E-06	2.28E-02	3.58E-06	1.41E-06	2.27E-02	3.58E-06	1.41E-06

2769	490460.04, 3859410.04	2.07E-02	3.27E-06	1.28E-06	2.12E-02	3.33E-06	1.31E-06	2.11E-02	3.33E-06	1.31E-06
2770	490510.04, 3859410.04	1.93E-02	3.04E-06	1.19E-06	1.97E-02	3.10E-06	1.22E-06	1.96E-02	3.10E-06	1.22E-06
2771	490560.04, 3859410.04	1.80E-02	2.83E-06	1.11E-06	1.83E-02	2.89E-06	1.13E-06	1.83E-02	2.88E-06	1.13E-06
2772	490610.04, 3859410.04	1.67E-02	2.63E-06	1.03E-06	1.71E-02	2.69E-06	1.06E-06	1.70E-02	2.68E-06	1.05E-06
2773	490660.04, 3859410.04	1.52E-02	2.39E-06	9.40E-07	1.55E-02	2.44E-06	9.59E-07	1.55E-02	2.44E-06	9.58E-07
2774	490710.04, 3859410.04	1.40E-02	2.20E-06	8.65E-07	1.43E-02	2.25E-06	8.82E-07	1.42E-02	2.24E-06	8.81E-07
2775	490760.04, 3859410.04	1.27E-02	2.00E-06	7.86E-07	1.30E-02	2.04E-06	8.02E-07	1.29E-02	2.04E-06	8.01E-07
2776	490810.04, 3859410.04	1.22E-02	1.91E-06	7.52E-07	1.24E-02	1.95E-06	7.67E-07	1.24E-02	1.95E-06	7.67E-07
2777	490860.04, 3859410.04	1.18E-02	1.85E-06	7.27E-07	1.20E-02	1.89E-06	7.42E-07	1.20E-02	1.89E-06	7.41E-07
2778	490360.04, 3859460.04	2.88E-02	4.54E-06	1.78E-06	2.94E-02	4.63E-06	1.82E-06	2.94E-02	4.63E-06	1.82E-06
2779	490410.04, 3859460.04	2.63E-02	4.14E-06	1.62E-06	2.68E-02	4.22E-06	1.66E-06	2.68E-02	4.22E-06	1.66E-06
2780	490460.04, 3859460.04	2.43E-02	3.83E-06	1.50E-06	2.48E-02	3.91E-06	1.54E-06	2.48E-02	3.90E-06	1.53E-06
2781	490510.04, 3859460.04	2.25E-02	3.55E-06	1.40E-06	2.30E-02	3.62E-06	1.42E-06	2.30E-02	3.62E-06	1.42E-06
2782	490560.04, 3859460.04	2.10E-02	3.31E-06	1.30E-06	2.14E-02	3.37E-06	1.33E-06	2.14E-02	3.37E-06	1.32E-06
2783	490610.04, 3859460.04	1.94E-02	3.06E-06	1.20E-06	1.98E-02	3.12E-06	1.23E-06	1.98E-02	3.12E-06	1.22E-06
2784	490660.04, 3859460.04	1.79E-02	2.81E-06	1.11E-06	1.82E-02	2.87E-06	1.13E-06	1.82E-02	2.87E-06	1.13E-06
2785	490710.04, 3859460.04	1.66E-02	2.62E-06	1.03E-06	1.70E-02	2.67E-06	1.05E-06	1.69E-02	2.67E-06	1.05E-06
2786	490760.04, 3859460.04	1.54E-02	2.43E-06	9.53E-07	1.57E-02	2.48E-06	9.73E-07	1.57E-02	2.47E-06	9.71E-07
2787	490810.04, 3859460.04	1.43E-02	2.25E-06	8.85E-07	1.46E-02	2.30E-06	9.03E-07	1.46E-02	2.30E-06	9.02E-07
2788	490860.04, 3859460.04	1.37E-02	2.15E-06	8.46E-07	1.39E-02	2.20E-06	8.63E-07	1.39E-02	2.19E-06	8.62E-07
2789	490360.04, 3859510.04	3.59E-02	5.65E-06	2.22E-06	3.66E-02	5.77E-06	2.27E-06	3.66E-02	5.76E-06	2.26E-06
2790	490410.04, 3859510.04	3.24E-02	5.11E-06	2.01E-06	3.31E-02	5.21E-06	2.05E-06	3.30E-02	5.21E-06	2.05E-06
2791	490460.04, 3859510.04	2.94E-02	4.63E-06	1.82E-06	3.00E-02	4.72E-06	1.85E-06	2.99E-02	4.71E-06	1.85E-06
2792	490510.04, 3859510.04	2.70E-02	4.25E-06	1.67E-06	2.75E-02	4.34E-06	1.70E-06	2.75E-02	4.33E-06	1.70E-06
2793	490560.04, 3859510.04	2.49E-02	3.93E-06	1.54E-06	2.54E-02	4.01E-06	1.57E-06	2.54E-02	4.00E-06	1.57E-06
2794	490610.04, 3859510.04	2.30E-02	3.62E-06	1.42E-06	2.34E-02	3.69E-06	1.45E-06	2.34E-02	3.69E-06	1.45E-06
2795	490660.04, 3859510.04	2.12E-02	3.34E-06	1.31E-06	2.16E-02	3.40E-06	1.34E-06	2.16E-02	3.40E-06	1.34E-06
2796	490710.04, 3859510.04	1.95E-02	3.07E-06	1.21E-06	1.99E-02	3.14E-06	1.23E-06	1.99E-02	3.13E-06	1.23E-06
2797	490760.04, 3859510.04	1.81E-02	2.85E-06	1.12E-06	1.84E-02	2.91E-06	1.14E-06	1.84E-02	2.90E-06	1.14E-06
2798	490810.04, 3859510.04	1.69E-02	2.67E-06	1.05E-06	1.73E-02	2.72E-06	1.07E-06	1.73E-02	2.72E-06	1.07E-06
2799	490860.04, 3859510.04	1.58E-02	2.49E-06	9.79E-07	1.61E-02	2.54E-06	9.99E-07	1.61E-02	2.54E-06	9.98E-07
2800	490360.04, 3859560.04	4.66E-02	7.34E-06	2.88E-06	4.76E-02	7.49E-06	2.94E-06	4.75E-02	7.48E-06	2.94E-06
2801	490410.04, 3859560.04	4.16E-02	6.55E-06	2.57E-06	4.24E-02	6.69E-06	2.63E-06	4.24E-02	6.68E-06	2.62E-06
2802	490460.04, 3859560.04	3.75E-02	5.90E-06	2.32E-06	3.82E-02	6.02E-06	2.37E-06	3.82E-02	6.02E-06	2.36E-06
2803	490510.04, 3859560.04	3.33E-02	5.25E-06	2.06E-06	3.40E-02	5.35E-06	2.10E-06	3.39E-02	5.35E-06	2.10E-06
2804	490560.04, 3859560.04	3.05E-02	4.80E-06	1.89E-06	3.11E-02	4.90E-06	1.93E-06	3.11E-02	4.90E-06	1.92E-06
2805	490610.04, 3859560.04	2.78E-02	4.38E-06	1.72E-06	2.84E-02	4.47E-06	1.76E-06	2.83E-02	4.46E-06	1.75E-06
2806	490660.04, 3859560.04	2.55E-02	4.02E-06	1.58E-06	2.60E-02	4.10E-06	1.61E-06	2.60E-02	4.10E-06	1.61E-06
2807	490710.04, 3859560.04	2.34E-02	3.69E-06	1.45E-06	2.39E-02	3.76E-06	1.48E-06	2.38E-02	3.76E-06	1.48E-06
2808	490760.04, 3859560.04	2.13E-02	3.35E-06	1.32E-06	2.17E-02	3.42E-06	1.34E-06	2.17E-02	3.42E-06	1.34E-06
2809	490810.04, 3859560.04	1.96E-02	3.10E-06	1.22E-06	2.00E-02	3.16E-06	1.24E-06	2.00E-02	3.15E-06	1.24E-06
2810	490860.04, 3859560.04	1.82E-02	2.86E-06	1.12E-06	1.85E-02	2.92E-06	1.15E-06	1.85E-02	2.92E-06	1.15E-06
2811	490187.25, 3859422.08	3.44E-02	5.42E-06	2.13E-06	3.51E-02	5.53E-06	2.17E-06	3.51E-02	5.53E-06	2.17E-06
2812	490237.25, 3859422.08	3.13E-02	4.93E-06	1.94E-06	3.19E-02	5.03E-06	1.97E-06	3.19E-02	5.02E-06	1.97E-06
2813	490287.25, 3859422.08	2.85E-02	4.49E-06	1.76E-06	2.91E-02	4.58E-06	1.80E-06	2.90E-02	4.57E-06	1.80E-06
2814	490337.25, 3859422.08	2.59E-02	4.08E-06	1.60E-06	2.64E-02	4.16E-06	1.64E-06	2.64E-02	4.16E-06	1.63E-06
2815	490187.25, 3859472.08	4.25E-02	6.70E-06	2.63E-06	4.34E-02	6.83E-06	2.68E-06	4.33E-02	6.82E-06	2.68E-06
2816	490237.25, 3859472.08	3.83E-02	6.04E-06	2.37E-06	3.91E-02	6.16E-06	2.42E-06	3.91E-02	6.16E-06	2.42E-06
2817	490287.25, 3859472.08	3.46E-02	5.45E-06	2.14E-06	3.53E-02	5.56E-06	2.18E-06	3.53E-02	5.55E-06	2.18E-06
2818	490337.25, 3859472.08	3.15E-02	4.97E-06	1.95E-06	3.22E-02	5.07E-06	1.99E-06	3.21E-02	5.06E-06	1.99E-06
2819	490297.07, 3859500.42	3.86E-02	6.08E-06	2.39E-06	3.94E-02	6.21E-06	2.44E-06	3.94E-02	6.20E-06	2.44E-06
2820	490327.07, 3859500.42	3.66E-02	5.76E-06	2.26E-06	3.73E-02	5.88E-06	2.31E-06	3.73E-02	5.88E-06	2.31E-06
2821	490297.07, 3859530.42	4.53E-02	7.13E-06	2.80E-06	4.62E-02	7.28E-06	2.86E-06	4.61E-02	7.27E-06	2.86E-06
2822	490327.07, 3859530.42	4.25E-02	6.69E-06	2.63E-06	4.34E-02	6.83E-06	2.68E-06	4.33E-02	6.82E-06	2.68E-06
2823	490319.73, 3859055.34	1.05E-02	1.66E-06	6.53E-07	1.08E-02	1.70E-06	6.66E-07	1.07E-02	1.69E-06	6.65E-07
2824	490319.73, 3859105.34	1.17E-02	1.84E-06	7.23E-07	1.19E-02	1.88E-06	7.38E-07	1.19E-02	1.88E-06	7.37E-07
2825	490069.73, 3859155.34	1.76E-02	2.77E-06	1.09E-06	1.80E-02	2.83E-06	1.11E-06	1.79E-02	2.83E-06	1.11E-06
2826	490119.73, 3859155.34	1.66E-02	2.61E-06	1.03E-06	1.69E-02	2.66E-06	1.05E-06	1.69E-02	2.66E-06	1.05E-06
2827	490269.73, 3859155.34	1.41E-02	2.22E-06	8.71E-07	1.44E-02	2.26E-06	8.89E-07	1.43E-02	2.26E-06	8.88E-07
2828	490319.73, 3859155.34	1.31E-02	2.06E-06	8.11E-07	1.34E-02	2.11E-06	8.27E-07	1.33E-02	2.10E-06	8.26E-07
2829	490069.73, 3859205.34	2.04E-02	3.22E-06	1.27E-06	2.09E-02	3.29E-06	1.29E-06	2.08E-02	3.28E-06	1.29E-06
2830	490119.73, 3859205.34	1.93E-02	3.04E-06	1.20E-06	1.97E-02	3.11E-06	1.22E-06	1.97E-02	3.10E-06	1.22E-06
2831	490169.73, 3859205.34	1.81E-02	2.86E-06	1.12E-06	1.85E-02	2.91E-06	1.14E-06	1.85E-02	2.91E-06	1.14E-06

2832	490219.73, 3859205.34	1.68E-02	2.65E-06	1.04E-06	1.72E-02	2.71E-06	1.06E-06	1.72E-02	2.70E-06	1.06E-06
2833	490269.73, 3859205.34	1.56E-02	2.45E-06	9.63E-07	1.59E-02	2.50E-06	9.82E-07	1.59E-02	2.50E-06	9.81E-07
2834	490319.73, 3859205.34	1.46E-02	2.30E-06	9.03E-07	1.49E-02	2.34E-06	9.21E-07	1.49E-02	2.34E-06	9.20E-07
2835	490069.73, 3859255.34	2.37E-02	3.73E-06	1.47E-06	2.42E-02	3.81E-06	1.50E-06	2.41E-02	3.80E-06	1.49E-06
2836	490119.73, 3859255.34	2.22E-02	3.49E-06	1.37E-06	2.26E-02	3.56E-06	1.40E-06	2.26E-02	3.56E-06	1.40E-06
2837	490169.73, 3859255.34	2.07E-02	3.26E-06	1.28E-06	2.11E-02	3.33E-06	1.31E-06	2.11E-02	3.32E-06	1.31E-06
2838	490219.73, 3859255.34	1.91E-02	3.01E-06	1.18E-06	1.95E-02	3.07E-06	1.21E-06	1.95E-02	3.07E-06	1.21E-06
2839	490269.73, 3859255.34	1.77E-02	2.79E-06	1.09E-06	1.80E-02	2.84E-06	1.12E-06	1.80E-02	2.84E-06	1.12E-06
2840	490319.73, 3859255.34	1.65E-02	2.60E-06	1.02E-06	1.68E-02	2.65E-06	1.04E-06	1.68E-02	2.65E-06	1.04E-06
2841	490069.73, 3859305.34	2.77E-02	4.37E-06	1.72E-06	2.83E-02	4.46E-06	1.75E-06	2.83E-02	4.45E-06	1.75E-06
2842	490119.73, 3859305.34	2.58E-02	4.06E-06	1.60E-06	2.63E-02	4.14E-06	1.63E-06	2.63E-02	4.14E-06	1.63E-06
2843	490169.73, 3859305.34	2.39E-02	3.76E-06	1.48E-06	2.44E-02	3.84E-06	1.51E-06	2.44E-02	3.84E-06	1.51E-06
2844	490219.73, 3859305.34	2.20E-02	3.47E-06	1.36E-06	2.25E-02	3.54E-06	1.39E-06	2.24E-02	3.53E-06	1.39E-06
2845	490269.73, 3859305.34	2.03E-02	3.20E-06	1.26E-06	2.07E-02	3.27E-06	1.28E-06	2.07E-02	3.26E-06	1.28E-06
2846	490319.73, 3859305.34	1.87E-02	2.94E-06	1.16E-06	1.91E-02	3.00E-06	1.18E-06	1.90E-02	3.00E-06	1.18E-06
2847	490069.73, 3859355.34	3.33E-02	5.24E-06	2.06E-06	3.40E-02	5.35E-06	2.10E-06	3.39E-02	5.34E-06	2.10E-06
2848	490119.73, 3859355.34	3.05E-02	4.81E-06	1.89E-06	3.12E-02	4.91E-06	1.93E-06	3.11E-02	4.90E-06	1.93E-06
2849	490169.73, 3859355.34	2.81E-02	4.42E-06	1.74E-06	2.86E-02	4.51E-06	1.77E-06	2.86E-02	4.50E-06	1.77E-06
2850	490219.73, 3859355.34	2.57E-02	4.05E-06	1.59E-06	2.62E-02	4.13E-06	1.62E-06	2.62E-02	4.12E-06	1.62E-06
2851	490269.73, 3859355.34	2.35E-02	3.71E-06	1.46E-06	2.40E-02	3.79E-06	1.49E-06	2.40E-02	3.78E-06	1.49E-06
2852	490319.73, 3859355.34	2.16E-02	3.41E-06	1.34E-06	2.21E-02	3.48E-06	1.37E-06	2.20E-02	3.47E-06	1.36E-06
2853	490069.73, 3859405.34	4.08E-02	6.43E-06	2.53E-06	4.17E-02	6.56E-06	2.58E-06	4.16E-02	6.56E-06	2.58E-06
2854	490119.73, 3859405.34	3.68E-02	5.80E-06	2.28E-06	3.75E-02	5.91E-06	2.32E-06	3.75E-02	5.91E-06	2.32E-06
2855	490169.73, 3859405.34	3.34E-02	5.26E-06	2.07E-06	3.41E-02	5.37E-06	2.11E-06	3.40E-02	5.36E-06	2.11E-06
2856	490219.73, 3859405.34	3.04E-02	4.80E-06	1.88E-06	3.11E-02	4.89E-06	1.92E-06	3.10E-02	4.89E-06	1.92E-06
2857	490269.73, 3859405.34	2.77E-02	4.36E-06	1.71E-06	2.83E-02	4.45E-06	1.75E-06	2.82E-02	4.45E-06	1.75E-06
2858	490319.73, 3859405.34	2.51E-02	3.96E-06	1.56E-06	2.57E-02	4.04E-06	1.59E-06	2.56E-02	4.04E-06	1.59E-06
2859	490161.89, 3859541.83	6.95E-02	1.09E-05	4.30E-06	7.09E-02	1.12E-05	4.39E-06	7.08E-02	1.12E-05	4.38E-06
2860	490171.89, 3859541.83	6.74E-02	1.06E-05	4.17E-06	6.88E-02	1.08E-05	4.26E-06	6.87E-02	1.08E-05	4.25E-06
2861	490161.89, 3859551.83	7.60E-02	1.20E-05	4.70E-06	7.76E-02	1.22E-05	4.80E-06	7.75E-02	1.22E-05	4.79E-06
2862	490171.89, 3859551.83	7.35E-02	1.16E-05	4.55E-06	7.50E-02	1.18E-05	4.64E-06	7.49E-02	1.18E-05	4.63E-06
2863	489799.72, 3859348.21	6.44E-02	1.01E-05	3.99E-06	6.57E-02	1.04E-05	4.07E-06	6.57E-02	1.03E-05	4.06E-06
2864	489819.72, 3859348.21	5.99E-02	9.44E-06	3.71E-06	6.11E-02	9.63E-06	3.78E-06	6.11E-02	9.62E-06	3.78E-06
2865	489799.72, 3859368.21	7.52E-02	1.18E-05	4.65E-06	7.67E-02	1.21E-05	4.75E-06	7.66E-02	1.21E-05	4.74E-06
2866	489819.72, 3859368.21	6.91E-02	1.09E-05	4.27E-06	7.05E-02	1.11E-05	4.36E-06	7.04E-02	1.11E-05	4.36E-06
2867	489775.41, 3859329.72	6.19E-02	9.76E-06	3.83E-06	6.32E-02	9.96E-06	3.91E-06	6.31E-02	9.95E-06	3.91E-06
2868	489795.41, 3859329.72	5.77E-02	9.10E-06	3.57E-06	5.89E-02	9.28E-06	3.65E-06	5.89E-02	9.27E-06	3.64E-06
2869	489775.41, 3859349.72	7.19E-02	1.13E-05	4.45E-06	7.33E-02	1.16E-05	4.54E-06	7.32E-02	1.15E-05	4.53E-06
2870	489795.41, 3859349.72	6.62E-02	1.04E-05	4.10E-06	6.76E-02	1.06E-05	4.18E-06	6.75E-02	1.06E-05	4.18E-06
2871	489595.05, 3859219.43	5.55E-02	8.74E-06	3.43E-06	5.66E-02	8.92E-06	3.50E-06	5.65E-02	8.90E-06	3.50E-06
2872	489615.05, 3859219.43	5.19E-02	8.18E-06	3.21E-06	5.30E-02	8.34E-06	3.28E-06	5.29E-02	8.33E-06	3.27E-06
2873	489595.05, 3859239.43	6.39E-02	1.01E-05	3.95E-06	6.52E-02	1.03E-05	4.03E-06	6.51E-02	1.03E-05	4.03E-06
2874	489615.05, 3859239.43	5.92E-02	9.33E-06	3.66E-06	6.04E-02	9.52E-06	3.74E-06	6.04E-02	9.51E-06	3.74E-06
2875	489372.4, 3859092.58	5.04E-02	7.93E-06	3.12E-06	5.14E-02	8.09E-06	3.18E-06	5.13E-02	8.08E-06	3.18E-06
2876	489422.4, 3859092.58	4.31E-02	6.78E-06	2.66E-06	4.39E-02	6.92E-06	2.72E-06	4.39E-02	6.91E-06	2.72E-06
2877	489372.4, 3859142.58	7.36E-02	1.16E-05	4.56E-06	7.51E-02	1.18E-05	4.65E-06	7.50E-02	1.18E-05	4.64E-06
2878	489422.4, 3859142.58	5.98E-02	9.42E-06	3.70E-06	6.10E-02	9.61E-06	3.78E-06	6.10E-02	9.60E-06	3.77E-06
2879	488870.84, 3858666.64	4.20E-03	6.62E-07	2.60E-07	4.29E-03	6.75E-07	2.65E-07	4.28E-03	6.75E-07	2.65E-07
2880	488900.84, 3858666.64	4.20E-03	6.62E-07	2.60E-07	4.29E-03	6.75E-07	2.65E-07	4.28E-03	6.75E-07	2.65E-07
2881	488870.84, 3858696.64	4.67E-03	7.36E-07	2.89E-07	4.77E-03	7.51E-07	2.95E-07	4.76E-03	7.50E-07	2.95E-07
2882	488900.84, 3858696.64	4.67E-03	7.36E-07	2.89E-07	4.77E-03	7.51E-07	2.95E-07	4.76E-03	7.50E-07	2.95E-07
2883	488889.67, 3858683.97	4.46E-03	7.03E-07	2.76E-07	4.55E-03	7.17E-07	2.82E-07	4.55E-03	7.16E-07	2.81E-07
2884	488919.67, 3858683.97	4.46E-03	7.02E-07	2.76E-07	4.55E-03	7.17E-07	2.82E-07	4.54E-03	7.16E-07	2.81E-07
2885	488889.67, 3858713.97	5.01E-03	7.89E-07	3.10E-07	5.11E-03	8.05E-07	3.16E-07	5.10E-03	8.04E-07	3.16E-07
2886	488919.67, 3858713.97	5.00E-03	7.88E-07	3.10E-07	5.11E-03	8.04E-07	3.16E-07	5.10E-03	8.03E-07	3.16E-07
2887	488906.61, 3858703.33	4.79E-03	7.55E-07	2.97E-07	4.89E-03	7.71E-07	3.03E-07	4.89E-03	7.70E-07	3.02E-07
2888	488936.61, 3858703.33	4.79E-03	7.55E-07	2.97E-07	4.89E-03	7.70E-07	3.03E-07	4.88E-03	7.69E-07	3.02E-07
2889	488906.61, 3858733.33	5.45E-03	8.58E-07	3.37E-07	5.56E-03	8.76E-07	3.44E-07	5.55E-03	8.75E-07	3.44E-07
2890	488936.61, 3858733.33	5.45E-03	8.58E-07	3.37E-07	5.56E-03	8.76E-07	3.44E-07	5.55E-03	8.75E-07	3.44E-07
2891	488637.63, 3858467.85	2.53E-03	3.98E-07	1.56E-07	2.58E-03	4.06E-07	1.60E-07	2.58E-03	4.06E-07	1.59E-07
2892	488662.63, 3858467.85	2.54E-03	4.00E-07	1.57E-07	2.59E-03	4.08E-07	1.60E-07	2.59E-03	4.08E-07	1.60E-07
2893	488637.63, 3858492.85	2.64E-03	4.15E-07	1.63E-07	2.69E-03	4.24E-07	1.66E-07	2.69E-03	4.23E-07	1.66E-07
2894	488662.63, 3858492.85	2.65E-03	4.18E-07	1.64E-07	2.71E-03	4.26E-07	1.67E-07	2.70E-03	4.26E-07	1.67E-07

2895	488687.63, 3858492.85	2.66E-03	4.19E-07	1.65E-07	2.72E-03	4.28E-07	1.68E-07	2.71E-03	4.28E-07	1.68E-07
2896	488637.63, 3858517.85	2.75E-03	4.34E-07	1.70E-07	2.81E-03	4.43E-07	1.74E-07	2.81E-03	4.42E-07	1.74E-07
2897	488662.63, 3858517.85	2.77E-03	4.37E-07	1.72E-07	2.83E-03	4.46E-07	1.75E-07	2.83E-03	4.45E-07	1.75E-07
2898	488687.63, 3858517.85	2.79E-03	4.39E-07	1.73E-07	2.85E-03	4.48E-07	1.76E-07	2.84E-03	4.48E-07	1.76E-07
2899	488194.42, 3857168.98	9.63E-04	1.52E-07	5.96E-08	9.82E-04	1.55E-07	6.08E-08	9.81E-04	1.55E-07	6.07E-08
2900	488244.42, 3857168.98	9.67E-04	1.52E-07	5.99E-08	9.87E-04	1.56E-07	6.11E-08	9.86E-04	1.55E-07	6.10E-08
2901	488294.42, 3857168.98	9.70E-04	1.53E-07	6.00E-08	9.90E-04	1.56E-07	6.12E-08	9.88E-04	1.56E-07	6.12E-08
2902	488244.42, 3857218.98	9.75E-04	1.54E-07	6.04E-08	9.95E-04	1.57E-07	6.16E-08	9.94E-04	1.57E-07	6.15E-08
2903	488294.42, 3857218.98	9.79E-04	1.54E-07	6.06E-08	9.99E-04	1.57E-07	6.19E-08	9.98E-04	1.57E-07	6.18E-08
2904	488294.42, 3857268.98	9.91E-04	1.56E-07	6.13E-08	1.01E-03	1.59E-07	6.26E-08	1.01E-03	1.59E-07	6.25E-08
2905	488139.13, 3857111.68	9.51E-04	1.50E-07	5.89E-08	9.71E-04	1.53E-07	6.01E-08	9.69E-04	1.53E-07	6.00E-08
2906	488189.13, 3857111.68	9.56E-04	1.51E-07	5.92E-08	9.76E-04	1.54E-07	6.04E-08	9.75E-04	1.54E-07	6.03E-08
2907	488189.13, 3857161.68	9.61E-04	1.51E-07	5.95E-08	9.81E-04	1.55E-07	6.07E-08	9.80E-04	1.54E-07	6.06E-08
2908	487951.04, 3856961.26	9.28E-04	1.46E-07	5.74E-08	9.47E-04	1.49E-07	5.86E-08	9.46E-04	1.49E-07	5.85E-08
2909	488001.04, 3856961.26	9.31E-04	1.47E-07	5.76E-08	9.50E-04	1.50E-07	5.88E-08	9.48E-04	1.49E-07	5.87E-08
2910	488051.04, 3856961.26	9.29E-04	1.46E-07	5.75E-08	9.48E-04	1.49E-07	5.87E-08	9.47E-04	1.49E-07	5.86E-08
2911	488101.04, 3856961.26	9.34E-04	1.47E-07	5.78E-08	9.53E-04	1.50E-07	5.90E-08	9.52E-04	1.50E-07	5.89E-08
2912	487951.04, 3857011.26	9.35E-04	1.47E-07	5.78E-08	9.54E-04	1.50E-07	5.90E-08	9.53E-04	1.50E-07	5.90E-08
2913	488001.04, 3857011.26	9.34E-04	1.47E-07	5.78E-08	9.53E-04	1.50E-07	5.90E-08	9.52E-04	1.50E-07	5.89E-08
2914	488051.04, 3857011.26	9.34E-04	1.47E-07	5.78E-08	9.53E-04	1.50E-07	5.90E-08	9.52E-04	1.50E-07	5.89E-08
2915	488101.04, 3857011.26	9.39E-04	1.48E-07	5.81E-08	9.59E-04	1.51E-07	5.93E-08	9.57E-04	1.51E-07	5.93E-08
2916	488001.04, 3857061.26	9.40E-04	1.48E-07	5.82E-08	9.59E-04	1.51E-07	5.93E-08	9.58E-04	1.51E-07	5.93E-08
2917	488051.04, 3857061.26	9.42E-04	1.48E-07	5.83E-08	9.62E-04	1.51E-07	5.95E-08	9.60E-04	1.51E-07	5.94E-08
2918	488101.04, 3857061.26	9.46E-04	1.49E-07	5.85E-08	9.65E-04	1.52E-07	5.97E-08	9.64E-04	1.52E-07	5.96E-08
2919	487638.98, 3856673.79	8.95E-04	1.41E-07	5.54E-08	9.13E-04	1.44E-07	5.65E-08	9.12E-04	1.44E-07	5.65E-08
2920	487688.98, 3856673.79	8.98E-04	1.42E-07	5.56E-08	9.17E-04	1.44E-07	5.67E-08	9.16E-04	1.44E-07	5.67E-08
2921	487638.98, 3856723.79	8.97E-04	1.41E-07	5.55E-08	9.15E-04	1.44E-07	5.66E-08	9.14E-04	1.44E-07	5.66E-08
2922	487688.98, 3856723.79	9.00E-04	1.42E-07	5.57E-08	9.18E-04	1.45E-07	5.68E-08	9.17E-04	1.44E-07	5.67E-08
2923	486324.61, 3855740.57	9.74E-04	1.53E-07	6.03E-08	9.94E-04	1.57E-07	6.15E-08	9.93E-04	1.56E-07	6.14E-08
2924	486374.61, 3855740.57	9.61E-04	1.51E-07	5.95E-08	9.81E-04	1.55E-07	6.07E-08	9.80E-04	1.54E-07	6.06E-08
2925	486424.61, 3855740.57	9.57E-04	1.51E-07	5.92E-08	9.77E-04	1.54E-07	6.04E-08	9.75E-04	1.54E-07	6.04E-08
2926	486324.61, 3855790.57	9.64E-04	1.52E-07	5.97E-08	9.84E-04	1.55E-07	6.09E-08	9.83E-04	1.55E-07	6.08E-08
2927	486374.61, 3855790.57	9.53E-04	1.50E-07	5.90E-08	9.72E-04	1.53E-07	6.02E-08	9.71E-04	1.53E-07	6.01E-08
2928	486424.61, 3855790.57	9.51E-04	1.50E-07	5.89E-08	9.71E-04	1.53E-07	6.01E-08	9.69E-04	1.53E-07	6.00E-08
2929	486324.61, 3855840.57	9.55E-04	1.50E-07	5.91E-08	9.75E-04	1.54E-07	6.03E-08	9.74E-04	1.53E-07	6.03E-08
2930	486374.61, 3855840.57	9.52E-04	1.50E-07	5.89E-08	9.71E-04	1.53E-07	6.01E-08	9.70E-04	1.53E-07	6.00E-08
2931	486424.61, 3855840.57	9.46E-04	1.49E-07	5.86E-08	9.65E-04	1.52E-07	5.98E-08	9.64E-04	1.52E-07	5.97E-08
2932	486324.61, 3855890.57	9.55E-04	1.50E-07	5.91E-08	9.74E-04	1.53E-07	6.03E-08	9.73E-04	1.53E-07	6.02E-08
2933	486374.61, 3855890.57	9.50E-04	1.50E-07	5.88E-08	9.69E-04	1.53E-07	6.00E-08	9.68E-04	1.52E-07	5.99E-08
2934	486424.61, 3855890.57	9.43E-04	1.49E-07	5.84E-08	9.62E-04	1.52E-07	5.95E-08	9.61E-04	1.51E-07	5.95E-08
2935	488735.69, 3858285.64	1.96E-03	3.09E-07	1.22E-07	2.00E-03	3.16E-07	1.24E-07	2.00E-03	3.15E-07	1.24E-07
2936	488765.69, 3858285.64	1.97E-03	3.10E-07	1.22E-07	2.01E-03	3.17E-07	1.24E-07	2.01E-03	3.16E-07	1.24E-07
2937	488735.69, 3858315.64	2.04E-03	3.21E-07	1.26E-07	2.08E-03	3.28E-07	1.29E-07	2.08E-03	3.27E-07	1.29E-07
2938	488765.69, 3858315.64	2.05E-03	3.22E-07	1.27E-07	2.09E-03	3.29E-07	1.29E-07	2.09E-03	3.28E-07	1.29E-07
2939	478676.63, 3849871.93	2.13E-02	3.35E-06	1.32E-06	2.17E-02	3.42E-06	1.34E-06	2.17E-02	3.41E-06	1.34E-06
2940	479326.63, 3849871.93	1.31E-02	2.06E-06	8.11E-07	1.34E-02	2.11E-06	8.27E-07	1.34E-02	2.10E-06	8.26E-07
2941	479376.63, 3849871.93	1.27E-02	2.00E-06	7.87E-07	1.30E-02	2.04E-06	8.03E-07	1.30E-02	2.04E-06	8.02E-07
2942	479426.63, 3849871.93	1.24E-02	1.96E-06	7.70E-07	1.27E-02	2.00E-06	7.86E-07	1.27E-02	2.00E-06	7.85E-07
2943	478726.63, 3849921.93	2.22E-02	3.50E-06	1.38E-06	2.27E-02	3.58E-06	1.40E-06	2.27E-02	3.57E-06	1.40E-06
2944	478776.63, 3849921.93	2.13E-02	3.36E-06	1.32E-06	2.17E-02	3.42E-06	1.35E-06	2.17E-02	3.42E-06	1.34E-06
2945	478826.63, 3849921.93	2.04E-02	3.22E-06	1.26E-06	2.08E-02	3.28E-06	1.29E-06	2.08E-02	3.28E-06	1.29E-06
2946	478976.63, 3849921.93	1.81E-02	2.85E-06	1.12E-06	1.85E-02	2.91E-06	1.14E-06	1.85E-02	2.91E-06	1.14E-06
2947	479026.63, 3849921.93	1.75E-02	2.76E-06	1.09E-06	1.79E-02	2.82E-06	1.11E-06	1.79E-02	2.82E-06	1.11E-06
2948	479076.63, 3849921.93	1.69E-02	2.67E-06	1.05E-06	1.73E-02	2.72E-06	1.07E-06	1.73E-02	2.72E-06	1.07E-06
2949	479126.63, 3849921.93	1.63E-02	2.57E-06	1.01E-06	1.67E-02	2.63E-06	1.03E-06	1.67E-02	2.62E-06	1.03E-06
2950	479176.63, 3849921.93	1.58E-02	2.49E-06	9.80E-07	1.62E-02	2.55E-06	1.00E-06	1.61E-02	2.54E-06	9.99E-07
2951	479226.63, 3849921.93	1.52E-02	2.39E-06	9.40E-07	1.55E-02	2.44E-06	9.59E-07	1.55E-02	2.44E-06	9.58E-07
2952	479276.63, 3849921.93	1.43E-02	2.26E-06	8.87E-07	1.46E-02	2.30E-06	9.05E-07	1.46E-02	2.30E-06	9.04E-07
2953	479326.63, 3849921.93	1.43E-02	2.25E-06	8.86E-07	1.46E-02	2.30E-06	9.04E-07	1.46E-02	2.30E-06	9.03E-07
2954	479376.63, 3849921.93	1.35E-02	2.13E-06	8.37E-07	1.38E-02	2.17E-06	8.54E-07	1.38E-02	2.17E-06	8.53E-07
2955	479426.63, 3849921.93	1.34E-02	2.11E-06	8.29E-07	1.37E-02	2.15E-06	8.46E-07	1.37E-02	2.15E-06	8.45E-07
2956	478726.63, 3849971.93	2.44E-02	3.85E-06	1.51E-06	2.49E-02	3.92E-06	1.54E-06	2.49E-02	3.92E-06	1.54E-06
2957	478776.63, 3849971.93	2.33E-02	3.67E-06	1.44E-06	2.38E-02	3.74E-06	1.47E-06	2.37E-02	3.74E-06	1.47E-06

2958	478826.63, 3849971.93	2.23E-02	3.51E-06	1.38E-06	2.27E-02	3.58E-06	1.41E-06	2.27E-02	3.57E-06	1.40E-06
2959	478976.63, 3849971.93	1.97E-02	3.10E-06	1.22E-06	2.01E-02	3.17E-06	1.24E-06	2.01E-02	3.16E-06	1.24E-06
2960	479026.63, 3849971.93	1.89E-02	2.98E-06	1.17E-06	1.93E-02	3.04E-06	1.19E-06	1.93E-02	3.04E-06	1.19E-06
2961	479076.63, 3849971.93	1.82E-02	2.86E-06	1.12E-06	1.85E-02	2.92E-06	1.15E-06	1.85E-02	2.92E-06	1.15E-06
2962	479126.63, 3849971.93	1.75E-02	2.76E-06	1.08E-06	1.79E-02	2.82E-06	1.11E-06	1.79E-02	2.81E-06	1.10E-06
2963	479176.63, 3849971.93	1.69E-02	2.67E-06	1.05E-06	1.73E-02	2.72E-06	1.07E-06	1.73E-02	2.72E-06	1.07E-06
2964	479226.63, 3849971.93	1.59E-02	2.50E-06	9.81E-07	1.62E-02	2.55E-06	1.00E-06	1.62E-02	2.55E-06	1.00E-06
2965	479276.63, 3849971.93	1.57E-02	2.47E-06	9.70E-07	1.60E-02	2.52E-06	9.89E-07	1.60E-02	2.52E-06	9.88E-07
2966	479326.63, 3849971.93	1.54E-02	2.42E-06	9.52E-07	1.57E-02	2.47E-06	9.71E-07	1.57E-02	2.47E-06	9.70E-07
2967	479376.63, 3849971.93	1.46E-02	2.30E-06	9.04E-07	1.49E-02	2.35E-06	9.23E-07	1.49E-02	2.35E-06	9.21E-07
2968	479426.63, 3849971.93	1.43E-02	2.25E-06	8.83E-07	1.46E-02	2.29E-06	9.01E-07	1.45E-02	2.29E-06	9.00E-07
2969	478726.63, 3850021.93	2.71E-02	4.26E-06	1.67E-06	2.76E-02	4.35E-06	1.71E-06	2.76E-02	4.34E-06	1.71E-06
2970	478776.63, 3850021.93	2.57E-02	4.04E-06	1.59E-06	2.62E-02	4.13E-06	1.62E-06	2.62E-02	4.12E-06	1.62E-06
2971	478826.63, 3850021.93	2.44E-02	3.85E-06	1.51E-06	2.49E-02	3.93E-06	1.54E-06	2.49E-02	3.92E-06	1.54E-06
2972	478976.63, 3850021.93	2.14E-02	3.37E-06	1.32E-06	2.18E-02	3.44E-06	1.35E-06	2.18E-02	3.43E-06	1.35E-06
2973	478726.63, 3850071.93	3.04E-02	4.79E-06	1.88E-06	3.10E-02	4.88E-06	1.92E-06	3.10E-02	4.88E-06	1.92E-06
2974	478776.63, 3850071.93	2.86E-02	4.51E-06	1.77E-06	2.92E-02	4.60E-06	1.81E-06	2.92E-02	4.60E-06	1.81E-06
2975	478826.63, 3850071.93	2.71E-02	4.27E-06	1.68E-06	2.77E-02	4.36E-06	1.71E-06	2.76E-02	4.35E-06	1.71E-06
2976	478876.63, 3850071.93	2.57E-02	4.06E-06	1.59E-06	2.63E-02	4.14E-06	1.63E-06	2.62E-02	4.13E-06	1.62E-06
2977	478976.63, 3850071.93	2.34E-02	3.68E-06	1.45E-06	2.39E-02	3.76E-06	1.48E-06	2.38E-02	3.76E-06	1.48E-06
2978	478726.63, 3850121.93	3.47E-02	5.47E-06	2.15E-06	3.54E-02	5.58E-06	2.19E-06	3.54E-02	5.58E-06	2.19E-06
2979	478776.63, 3850121.93	3.24E-02	5.11E-06	2.01E-06	3.31E-02	5.21E-06	2.05E-06	3.30E-02	5.20E-06	2.04E-06
2980	478826.63, 3850121.93	3.04E-02	4.80E-06	1.88E-06	3.11E-02	4.89E-06	1.92E-06	3.10E-02	4.89E-06	1.92E-06
2981	478876.63, 3850121.93	2.87E-02	4.52E-06	1.78E-06	2.93E-02	4.62E-06	1.81E-06	2.93E-02	4.61E-06	1.81E-06
2982	478976.63, 3850121.93	2.58E-02	4.06E-06	1.60E-06	2.63E-02	4.14E-06	1.63E-06	2.63E-02	4.14E-06	1.63E-06
2983	479026.63, 3850121.93	2.46E-02	3.87E-06	1.52E-06	2.51E-02	3.95E-06	1.55E-06	2.50E-02	3.94E-06	1.55E-06
2984	479076.63, 3850121.93	2.34E-02	3.69E-06	1.45E-06	2.39E-02	3.77E-06	1.48E-06	2.39E-02	3.76E-06	1.48E-06
2985	479126.63, 3850121.93	2.24E-02	3.53E-06	1.39E-06	2.28E-02	3.60E-06	1.41E-06	2.28E-02	3.59E-06	1.41E-06
2986	478776.63, 3850171.93	3.75E-02	5.91E-06	2.32E-06	3.83E-02	6.03E-06	2.37E-06	3.82E-02	6.02E-06	2.37E-06
2987	478826.63, 3850171.93	3.48E-02	5.49E-06	2.16E-06	3.56E-02	5.60E-06	2.20E-06	3.55E-02	5.59E-06	2.20E-06
2988	478876.63, 3850171.93	3.25E-02	5.13E-06	2.01E-06	3.32E-02	5.23E-06	2.06E-06	3.32E-02	5.22E-06	2.05E-06
2989	478976.63, 3850171.93	2.88E-02	4.54E-06	1.78E-06	2.94E-02	4.63E-06	1.82E-06	2.93E-02	4.62E-06	1.82E-06
2990	479026.63, 3850171.93	2.72E-02	4.29E-06	1.69E-06	2.78E-02	4.38E-06	1.72E-06	2.78E-02	4.37E-06	1.72E-06
2991	479076.63, 3850171.93	2.59E-02	4.08E-06	1.60E-06	2.64E-02	4.16E-06	1.63E-06	2.64E-02	4.16E-06	1.63E-06
2992	479126.63, 3850171.93	2.46E-02	3.88E-06	1.52E-06	2.51E-02	3.96E-06	1.55E-06	2.51E-02	3.95E-06	1.55E-06
2993	479176.63, 3850171.93	2.35E-02	3.70E-06	1.45E-06	2.40E-02	3.78E-06	1.48E-06	2.40E-02	3.77E-06	1.48E-06
2994	479226.63, 3850171.93	2.25E-02	3.55E-06	1.40E-06	2.30E-02	3.62E-06	1.42E-06	2.30E-02	3.62E-06	1.42E-06
2995	479276.63, 3850171.93	2.16E-02	3.41E-06	1.34E-06	2.21E-02	3.47E-06	1.37E-06	2.20E-02	3.47E-06	1.36E-06
2996	479326.63, 3850171.93	2.08E-02	3.28E-06	1.29E-06	2.12E-02	3.34E-06	1.31E-06	2.12E-02	3.34E-06	1.31E-06
2997	479376.63, 3850171.93	1.99E-02	3.14E-06	1.23E-06	2.03E-02	3.21E-06	1.26E-06	2.03E-02	3.20E-06	1.26E-06
2998	478676.63, 3850221.93	5.67E-02	8.94E-06	3.51E-06	5.79E-02	9.12E-06	3.58E-06	5.78E-02	9.11E-06	3.58E-06
2999	478726.63, 3850221.93	5.00E-02	7.87E-06	3.09E-06	5.10E-02	8.04E-06	3.16E-06	5.09E-02	8.03E-06	3.15E-06
3000	478976.63, 3850221.93	3.26E-02	5.14E-06	2.02E-06	3.33E-02	5.24E-06	2.06E-06	3.32E-02	5.24E-06	2.06E-06
3001	479026.63, 3850221.93	3.06E-02	4.82E-06	1.89E-06	3.12E-02	4.92E-06	1.93E-06	3.12E-02	4.91E-06	1.93E-06
3002	479076.63, 3850221.93	2.89E-02	4.55E-06	1.79E-06	2.95E-02	4.64E-06	1.82E-06	2.94E-02	4.64E-06	1.82E-06
3003	479126.63, 3850221.93	2.74E-02	4.31E-06	1.69E-06	2.79E-02	4.40E-06	1.73E-06	2.79E-02	4.39E-06	1.73E-06
3004	479176.63, 3850221.93	2.60E-02	4.09E-06	1.61E-06	2.65E-02	4.17E-06	1.64E-06	2.65E-02	4.17E-06	1.64E-06
3005	479226.63, 3850221.93	2.47E-02	3.89E-06	1.53E-06	2.52E-02	3.97E-06	1.56E-06	2.52E-02	3.97E-06	1.56E-06
3006	479276.63, 3850221.93	2.36E-02	3.71E-06	1.46E-06	2.40E-02	3.79E-06	1.49E-06	2.40E-02	3.78E-06	1.49E-06
3007	479326.63, 3850221.93	2.26E-02	3.56E-06	1.40E-06	2.31E-02	3.63E-06	1.43E-06	2.30E-02	3.63E-06	1.43E-06
3008	479376.63, 3850221.93	2.17E-02	3.42E-06	1.34E-06	2.21E-02	3.49E-06	1.37E-06	2.21E-02	3.48E-06	1.37E-06
3009	478676.63, 3850271.93	7.91E-02	1.25E-05	4.90E-06	8.08E-02	1.27E-05	5.00E-06	8.07E-02	1.27E-05	4.99E-06
3010	478726.63, 3850271.93	6.58E-02	1.04E-05	4.07E-06	6.72E-02	1.06E-05	4.16E-06	6.71E-02	1.06E-05	4.15E-06
3011	478976.63, 3850271.93	3.78E-02	5.96E-06	2.34E-06	3.86E-02	6.08E-06	2.39E-06	3.86E-02	6.08E-06	2.39E-06
3012	479026.63, 3850271.93	3.50E-02	5.51E-06	2.17E-06	3.57E-02	5.63E-06	2.21E-06	3.57E-02	5.62E-06	2.21E-06
3013	479076.63, 3850271.93	3.27E-02	5.15E-06	2.02E-06	3.34E-02	5.26E-06	2.06E-06	3.33E-02	5.25E-06	2.06E-06
3014	479126.63, 3850271.93	3.07E-02	4.84E-06	1.90E-06	3.13E-02	4.93E-06	1.94E-06	3.13E-02	4.93E-06	1.94E-06
3015	479176.63, 3850271.93	2.89E-02	4.56E-06	1.79E-06	2.95E-02	4.65E-06	1.83E-06	2.95E-02	4.64E-06	1.82E-06
3016	479226.63, 3850271.93	2.73E-02	4.31E-06	1.69E-06	2.79E-02	4.39E-06	1.73E-06	2.79E-02	4.39E-06	1.72E-06
3017	479276.63, 3850271.93	2.60E-02	4.09E-06	1.61E-06	2.65E-02	4.17E-06	1.64E-06	2.65E-02	4.17E-06	1.64E-06
3018	479326.63, 3850271.93	2.48E-02	3.91E-06	1.54E-06	2.53E-02	3.99E-06	1.57E-06	2.53E-02	3.98E-06	1.56E-06
3019	479376.63, 3850271.93	2.37E-02	3.74E-06	1.47E-06	2.42E-02	3.81E-06	1.50E-06	2.42E-02	3.81E-06	1.50E-06
3020	479053.24, 3850293.52	3.59E-02	5.65E-06	2.22E-06	3.66E-02	5.77E-06	2.27E-06	3.66E-02	5.76E-06	2.26E-06

3021	479103.24, 3850293.52	3.34E-02	5.26E-06	2.07E-06	3.41E-02	5.37E-06	2.11E-06	3.41E-02	5.37E-06	2.11E-06
3022	479153.24, 3850293.52	3.14E-02	4.94E-06	1.94E-06	3.20E-02	5.04E-06	1.98E-06	3.20E-02	5.03E-06	1.98E-06
3023	479203.24, 3850293.52	2.95E-02	4.64E-06	1.82E-06	3.01E-02	4.74E-06	1.86E-06	3.00E-02	4.73E-06	1.86E-06
3024	479253.24, 3850293.52	2.79E-02	4.39E-06	1.72E-06	2.84E-02	4.48E-06	1.76E-06	2.84E-02	4.47E-06	1.76E-06
3025	479303.24, 3850293.52	2.65E-02	4.17E-06	1.64E-06	2.70E-02	4.26E-06	1.67E-06	2.70E-02	4.25E-06	1.67E-06
3026	479353.24, 3850293.52	2.53E-02	3.98E-06	1.56E-06	2.58E-02	4.06E-06	1.60E-06	2.58E-02	4.06E-06	1.59E-06
3027	479153.24, 3850343.52	3.60E-02	5.66E-06	2.23E-06	3.67E-02	5.78E-06	2.27E-06	3.66E-02	5.77E-06	2.27E-06
3028	479203.24, 3850343.52	3.35E-02	5.27E-06	2.07E-06	3.41E-02	5.38E-06	2.11E-06	3.41E-02	5.37E-06	2.11E-06
3029	479253.24, 3850343.52	3.14E-02	4.95E-06	1.95E-06	3.21E-02	5.05E-06	1.99E-06	3.20E-02	5.05E-06	1.98E-06
3030	479303.24, 3850343.52	2.97E-02	4.68E-06	1.84E-06	3.03E-02	4.77E-06	1.88E-06	3.03E-02	4.77E-06	1.87E-06
3031	479353.24, 3850343.52	2.81E-02	4.43E-06	1.74E-06	2.87E-02	4.52E-06	1.78E-06	2.87E-02	4.52E-06	1.77E-06
3032	479203.24, 3850393.52	3.90E-02	6.15E-06	2.42E-06	3.98E-02	6.28E-06	2.47E-06	3.98E-02	6.27E-06	2.46E-06
3033	479253.24, 3850393.52	3.62E-02	5.71E-06	2.24E-06	3.70E-02	5.82E-06	2.29E-06	3.69E-02	5.82E-06	2.29E-06
3034	479303.24, 3850393.52	3.39E-02	5.34E-06	2.10E-06	3.46E-02	5.45E-06	2.14E-06	3.45E-02	5.44E-06	2.14E-06
3035	479353.24, 3850393.52	3.18E-02	5.01E-06	1.97E-06	3.25E-02	5.11E-06	2.01E-06	3.24E-02	5.11E-06	2.01E-06
3036	479403.24, 3850393.52	3.00E-02	4.72E-06	1.85E-06	3.06E-02	4.82E-06	1.89E-06	3.05E-02	4.81E-06	1.89E-06
3037	479453.24, 3850393.52	2.83E-02	4.46E-06	1.75E-06	2.89E-02	4.55E-06	1.79E-06	2.88E-02	4.54E-06	1.78E-06
3038	479503.24, 3850393.52	2.67E-02	4.20E-06	1.65E-06	2.72E-02	4.29E-06	1.68E-06	2.72E-02	4.28E-06	1.68E-06
3039	479303.24, 3850443.52	3.97E-02	6.26E-06	2.46E-06	4.06E-02	6.39E-06	2.51E-06	4.05E-02	6.38E-06	2.51E-06
3040	479353.24, 3850443.52	3.69E-02	5.81E-06	2.28E-06	3.76E-02	5.92E-06	2.33E-06	3.76E-02	5.92E-06	2.32E-06
3041	479403.24, 3850443.52	3.43E-02	5.41E-06	2.12E-06	3.50E-02	5.52E-06	2.17E-06	3.50E-02	5.51E-06	2.16E-06
3042	479453.24, 3850443.52	3.20E-02	5.05E-06	1.98E-06	3.27E-02	5.15E-06	2.02E-06	3.27E-02	5.14E-06	2.02E-06
3043	479503.24, 3850443.52	2.99E-02	4.71E-06	1.85E-06	3.05E-02	4.81E-06	1.89E-06	3.05E-02	4.80E-06	1.89E-06
3044	480327.18, 3850987.04	4.77E-02	7.51E-06	2.95E-06	4.86E-02	7.66E-06	3.01E-06	4.86E-02	7.65E-06	3.01E-06
3045	480377.18, 3850987.04	4.34E-02	6.84E-06	2.69E-06	4.43E-02	6.98E-06	2.74E-06	4.42E-02	6.97E-06	2.74E-06
3046	480427.18, 3850987.04	3.98E-02	6.27E-06	2.46E-06	4.06E-02	6.40E-06	2.51E-06	4.06E-02	6.39E-06	2.51E-06
3047	480477.18, 3850987.04	3.67E-02	5.78E-06	2.27E-06	3.74E-02	5.90E-06	2.32E-06	3.74E-02	5.89E-06	2.31E-06
3048	480327.18, 3851037.04	6.14E-02	9.67E-06	3.80E-06	6.27E-02	9.87E-06	3.88E-06	6.26E-02	9.86E-06	3.87E-06
3049	480377.18, 3851037.04	5.43E-02	8.56E-06	3.36E-06	5.54E-02	8.73E-06	3.43E-06	5.54E-02	8.72E-06	3.43E-06
3050	480427.18, 3851037.04	4.86E-02	7.66E-06	3.01E-06	4.96E-02	7.81E-06	3.07E-06	4.95E-02	7.80E-06	3.07E-06
3051	480477.18, 3851037.04	4.39E-02	6.91E-06	2.72E-06	4.48E-02	7.06E-06	2.77E-06	4.47E-02	7.05E-06	2.77E-06
3052	480622.06, 3851087.39	4.06E-02	6.40E-06	2.51E-06	4.15E-02	6.53E-06	2.57E-06	4.14E-02	6.52E-06	2.56E-06
3053	480672.06, 3851087.39	3.74E-02	5.89E-06	2.31E-06	3.81E-02	6.01E-06	2.36E-06	3.81E-02	6.00E-06	2.36E-06
3054	480622.06, 3851137.39	5.01E-02	7.88E-06	3.10E-06	5.11E-02	8.05E-06	3.16E-06	5.10E-02	8.04E-06	3.16E-06
3055	480672.06, 3851137.39	4.50E-02	7.09E-06	2.78E-06	4.59E-02	7.23E-06	2.84E-06	4.58E-02	7.22E-06	2.84E-06
3056	480722.06, 3851137.39	4.10E-02	6.45E-06	2.54E-06	4.18E-02	6.59E-06	2.59E-06	4.18E-02	6.58E-06	2.58E-06
3057	480622.06, 3851187.39	6.61E-02	1.04E-05	4.09E-06	6.74E-02	1.06E-05	4.17E-06	6.74E-02	1.06E-05	4.17E-06
3058	480672.06, 3851187.39	5.71E-02	9.00E-06	3.54E-06	5.83E-02	9.19E-06	3.61E-06	5.82E-02	9.18E-06	3.60E-06
3059	480722.06, 3851187.39	5.05E-02	7.96E-06	3.13E-06	5.16E-02	8.12E-06	3.19E-06	5.15E-02	8.11E-06	3.19E-06
3060	471363.09, 3845877.25	2.60E-04	4.09E-08	1.61E-08	2.65E-04	4.18E-08	1.64E-08	2.65E-04	4.17E-08	1.64E-08
3061	471863.09, 3845877.25	2.52E-04	3.96E-08	1.56E-08	2.57E-04	4.05E-08	1.59E-08	2.56E-04	4.04E-08	1.59E-08
3062	472363.09, 3845877.25	3.26E-04	5.13E-08	2.02E-08	3.33E-04	5.24E-08	2.06E-08	3.32E-04	5.23E-08	2.06E-08
3063	472863.09, 3845877.25	2.45E-04	3.87E-08	1.52E-08	2.50E-04	3.95E-08	1.55E-08	2.50E-04	3.94E-08	1.55E-08
3064	473363.09, 3845877.25	2.58E-04	4.06E-08	1.60E-08	2.63E-04	4.14E-08	1.63E-08	2.63E-04	4.14E-08	1.63E-08
3065	473863.09, 3845877.25	2.70E-04	4.25E-08	1.67E-08	2.75E-04	4.34E-08	1.70E-08	2.75E-04	4.33E-08	1.70E-08
3066	474363.09, 3845877.25	3.14E-04	4.95E-08	1.94E-08	3.21E-04	5.05E-08	1.98E-08	3.20E-04	5.04E-08	1.98E-08
3067	474863.09, 3845877.25	3.66E-04	5.76E-08	2.26E-08	3.73E-04	5.88E-08	2.31E-08	3.73E-04	5.87E-08	2.31E-08
3068	475363.09, 3845877.25	4.23E-04	6.66E-08	2.62E-08	4.31E-04	6.80E-08	2.67E-08	4.31E-04	6.79E-08	2.67E-08
3069	475863.09, 3845877.25	4.36E-04	6.87E-08	2.70E-08	4.45E-04	7.01E-08	2.75E-08	4.44E-04	7.00E-08	2.75E-08
3070	476363.09, 3845877.25	4.08E-04	6.43E-08	2.53E-08	4.16E-04	6.56E-08	2.58E-08	4.16E-04	6.55E-08	2.57E-08
3071	476863.09, 3845877.25	3.81E-04	6.00E-08	2.36E-08	3.88E-04	6.12E-08	2.40E-08	3.88E-04	6.11E-08	2.40E-08
3072	477363.09, 3845877.25	3.80E-04	5.98E-08	2.35E-08	3.88E-04	6.11E-08	2.40E-08	3.87E-04	6.10E-08	2.40E-08
3073	477863.09, 3845877.25	3.60E-04	5.68E-08	2.23E-08	3.68E-04	5.79E-08	2.28E-08	3.67E-04	5.79E-08	2.27E-08
3074	478363.09, 3845877.25	3.69E-04	5.81E-08	2.28E-08	3.76E-04	5.93E-08	2.33E-08	3.76E-04	5.92E-08	2.33E-08
3075	478863.09, 3845877.25	3.75E-04	5.91E-08	2.32E-08	3.83E-04	6.03E-08	2.37E-08	3.83E-04	6.03E-08	2.37E-08
3076	479363.09, 3845877.25	4.00E-04	6.30E-08	2.48E-08	4.08E-04	6.43E-08	2.53E-08	4.08E-04	6.42E-08	2.52E-08
3077	479863.09, 3845877.25	4.03E-04	6.34E-08	2.49E-08	4.11E-04	6.47E-08	2.54E-08	4.10E-04	6.46E-08	2.54E-08
3078	480363.09, 3845877.25	3.74E-04	5.89E-08	2.31E-08	3.81E-04	6.01E-08	2.36E-08	3.81E-04	6.00E-08	2.36E-08
3079	480863.09, 3845877.25	3.67E-04	5.78E-08	2.27E-08	3.75E-04	5.90E-08	2.32E-08	3.74E-04	5.90E-08	2.32E-08
3080	481363.09, 3845877.25	3.64E-04	5.73E-08	2.25E-08	3.71E-04	5.85E-08	2.30E-08	3.71E-04	5.84E-08	2.29E-08
3081	481863.09, 3845877.25	3.49E-04	5.50E-08	2.16E-08	3.56E-04	5.61E-08	2.20E-08	3.56E-04	5.60E-08	2.20E-08
3082	482363.09, 3845877.25	3.28E-04	5.17E-08	2.03E-08	3.35E-04	5.28E-08	2.07E-08	3.35E-04	5.27E-08	2.07E-08
3083	482863.09, 3845877.25	2.65E-04	4.18E-08	1.64E-08	2.71E-04	4.26E-08	1.67E-08	2.70E-04	4.26E-08	1.67E-08

3084	483363.09, 3845877.25	2.40E-04	3.78E-08	1.48E-08	2.45E-04	3.86E-08	1.51E-08	2.44E-04	3.85E-08	1.51E-08
3085	483863.09, 3845877.25	3.04E-04	4.80E-08	1.88E-08	3.11E-04	4.89E-08	1.92E-08	3.10E-04	4.89E-08	1.92E-08
3086	484363.09, 3845877.25	3.10E-04	4.88E-08	1.92E-08	3.16E-04	4.98E-08	1.96E-08	3.16E-04	4.98E-08	1.96E-08
3087	484863.09, 3845877.25	3.04E-04	4.79E-08	1.88E-08	3.10E-04	4.89E-08	1.92E-08	3.10E-04	4.88E-08	1.92E-08
3088	485363.09, 3845877.25	2.91E-04	4.59E-08	1.80E-08	2.97E-04	4.68E-08	1.84E-08	2.97E-04	4.67E-08	1.84E-08
3089	485863.09, 3845877.25	3.01E-04	4.73E-08	1.86E-08	3.07E-04	4.83E-08	1.90E-08	3.06E-04	4.83E-08	1.90E-08
3090	486363.09, 3845877.25	2.97E-04	4.68E-08	1.84E-08	3.03E-04	4.78E-08	1.88E-08	3.03E-04	4.77E-08	1.88E-08
3091	486863.09, 3845877.25	2.78E-04	4.37E-08	1.72E-08	2.83E-04	4.46E-08	1.75E-08	2.83E-04	4.46E-08	1.75E-08
3092	487363.09, 3845877.25	2.74E-04	4.32E-08	1.70E-08	2.80E-04	4.41E-08	1.73E-08	2.80E-04	4.40E-08	1.73E-08
3093	487863.09, 3845877.25	2.56E-04	4.04E-08	1.59E-08	2.62E-04	4.12E-08	1.62E-08	2.61E-04	4.12E-08	1.62E-08
3094	488363.09, 3845877.25	2.49E-04	3.92E-08	1.54E-08	2.54E-04	4.00E-08	1.57E-08	2.54E-04	4.00E-08	1.57E-08
3095	488863.09, 3845877.25	2.88E-04	4.53E-08	1.78E-08	2.93E-04	4.62E-08	1.82E-08	2.93E-04	4.62E-08	1.81E-08
3096	489363.09, 3845877.25	2.86E-04	4.51E-08	1.77E-08	2.92E-04	4.60E-08	1.81E-08	2.92E-04	4.59E-08	1.80E-08
3097	489863.09, 3845877.25	2.67E-04	4.20E-08	1.65E-08	2.72E-04	4.29E-08	1.68E-08	2.72E-04	4.28E-08	1.68E-08
3098	490363.09, 3845877.25	2.40E-04	3.78E-08	1.48E-08	2.45E-04	3.86E-08	1.51E-08	2.44E-04	3.85E-08	1.51E-08
3099	490863.09, 3845877.25	1.93E-04	3.04E-08	1.19E-08	1.97E-04	3.10E-08	1.22E-08	1.96E-04	3.09E-08	1.22E-08
3100	491363.09, 3845877.25	2.17E-04	3.42E-08	1.34E-08	2.21E-04	3.49E-08	1.37E-08	2.21E-04	3.48E-08	1.37E-08
3101	491863.09, 3845877.25	2.31E-04	3.64E-08	1.43E-08	2.36E-04	3.71E-08	1.46E-08	2.35E-04	3.71E-08	1.46E-08
3102	492363.09, 3845877.25	1.96E-04	3.09E-08	1.21E-08	2.00E-04	3.15E-08	1.24E-08	2.00E-04	3.15E-08	1.24E-08
3103	492863.09, 3845877.25	2.39E-04	3.76E-08	1.48E-08	2.44E-04	3.84E-08	1.51E-08	2.43E-04	3.83E-08	1.51E-08
3104	493363.09, 3845877.25	2.53E-04	3.98E-08	1.56E-08	2.58E-04	4.06E-08	1.59E-08	2.57E-04	4.05E-08	1.59E-08
3105	493863.09, 3845877.25	2.66E-04	4.19E-08	1.64E-08	2.71E-04	4.27E-08	1.68E-08	2.71E-04	4.27E-08	1.68E-08
3106	494363.09, 3845877.25	2.74E-04	4.31E-08	1.69E-08	2.79E-04	4.40E-08	1.73E-08	2.79E-04	4.40E-08	1.73E-08
3107	494863.09, 3845877.25	2.76E-04	4.35E-08	1.71E-08	2.82E-04	4.44E-08	1.74E-08	2.81E-04	4.43E-08	1.74E-08
3108	495363.09, 3845877.25	2.84E-04	4.47E-08	1.76E-08	2.90E-04	4.56E-08	1.79E-08	2.89E-04	4.56E-08	1.79E-08
3109	495863.09, 3845877.25	2.92E-04	4.60E-08	1.81E-08	2.98E-04	4.69E-08	1.84E-08	2.97E-04	4.68E-08	1.84E-08
3110	496363.09, 3845877.25	2.99E-04	4.71E-08	1.85E-08	3.05E-04	4.80E-08	1.89E-08	3.05E-04	4.80E-08	1.88E-08
3111	496863.09, 3845877.25	2.98E-04	4.70E-08	1.85E-08	3.05E-04	4.80E-08	1.89E-08	3.04E-04	4.79E-08	1.88E-08
3112	497363.09, 3845877.25	2.98E-04	4.70E-08	1.85E-08	3.04E-04	4.79E-08	1.88E-08	3.04E-04	4.79E-08	1.88E-08
3113	497863.09, 3845877.25	2.99E-04	4.72E-08	1.85E-08	3.05E-04	4.81E-08	1.89E-08	3.05E-04	4.81E-08	1.89E-08
3114	498363.09, 3845877.25	2.97E-04	4.68E-08	1.84E-08	3.03E-04	4.78E-08	1.88E-08	3.03E-04	4.77E-08	1.88E-08
3115	471363.09, 3846377.25	6.55E-04	1.03E-07	4.05E-08	6.68E-04	1.05E-07	4.13E-08	6.67E-04	1.05E-07	4.13E-08
3116	471863.09, 3846377.25	5.87E-04	9.24E-08	3.63E-08	5.99E-04	9.43E-08	3.70E-08	5.98E-04	9.42E-08	3.70E-08
3117	472363.09, 3846377.25	3.08E-04	4.86E-08	1.91E-08	3.15E-04	4.95E-08	1.95E-08	3.14E-04	4.95E-08	1.94E-08
3118	472863.09, 3846377.25	3.46E-04	5.45E-08	2.14E-08	3.53E-04	5.56E-08	2.18E-08	3.53E-04	5.55E-08	2.18E-08
3119	473363.09, 3846377.25	3.46E-04	5.45E-08	2.14E-08	3.53E-04	5.57E-08	2.19E-08	3.53E-04	5.56E-08	2.18E-08
3120	473863.09, 3846377.25	3.98E-04	6.27E-08	2.46E-08	4.06E-04	6.40E-08	2.51E-08	4.06E-04	6.39E-08	2.51E-08
3121	474363.09, 3846377.25	4.19E-04	6.61E-08	2.60E-08	4.28E-04	6.74E-08	2.65E-08	4.27E-04	6.73E-08	2.64E-08
3122	474863.09, 3846377.25	4.77E-04	7.52E-08	2.95E-08	4.87E-04	7.67E-08	3.01E-08	4.86E-04	7.66E-08	3.01E-08
3123	475363.09, 3846377.25	5.45E-04	8.58E-08	3.37E-08	5.56E-04	8.76E-08	3.44E-08	5.55E-04	8.75E-08	3.44E-08
3124	475863.09, 3846377.25	6.29E-04	9.91E-08	3.89E-08	6.42E-04	1.01E-07	3.97E-08	6.41E-04	1.01E-07	3.97E-08
3125	476363.09, 3846377.25	6.18E-04	9.74E-08	3.83E-08	6.31E-04	9.94E-08	3.91E-08	6.30E-04	9.93E-08	3.90E-08
3126	476863.09, 3846377.25	6.12E-04	9.64E-08	3.79E-08	6.24E-04	9.83E-08	3.86E-08	6.23E-04	9.82E-08	3.86E-08
3127	477363.09, 3846377.25	6.15E-04	9.69E-08	3.81E-08	6.28E-04	9.89E-08	3.88E-08	6.27E-04	9.87E-08	3.88E-08
3128	477863.09, 3846377.25	5.95E-04	9.37E-08	3.68E-08	6.07E-04	9.56E-08	3.76E-08	6.06E-04	9.55E-08	3.75E-08
3129	478363.09, 3846377.25	5.87E-04	9.25E-08	3.63E-08	5.99E-04	9.44E-08	3.71E-08	5.99E-04	9.43E-08	3.70E-08
3130	478863.09, 3846377.25	6.14E-04	9.67E-08	3.80E-08	6.27E-04	9.87E-08	3.88E-08	6.26E-04	9.86E-08	3.87E-08
3131	479363.09, 3846377.25	6.21E-04	9.78E-08	3.84E-08	6.33E-04	9.98E-08	3.92E-08	6.32E-04	9.96E-08	3.91E-08
3132	479863.09, 3846377.25	6.04E-04	9.51E-08	3.74E-08	6.16E-04	9.71E-08	3.81E-08	6.15E-04	9.69E-08	3.81E-08
3133	480363.09, 3846377.25	6.12E-04	9.64E-08	3.79E-08	6.24E-04	9.83E-08	3.86E-08	6.23E-04	9.82E-08	3.86E-08
3134	480863.09, 3846377.25	5.51E-04	8.68E-08	3.41E-08	5.62E-04	8.85E-08	3.48E-08	5.61E-04	8.84E-08	3.47E-08
3135	481363.09, 3846377.25	5.45E-04	8.59E-08	3.37E-08	5.56E-04	8.76E-08	3.44E-08	5.56E-04	8.75E-08	3.44E-08
3136	481863.09, 3846377.25	5.14E-04	8.10E-08	3.18E-08	5.24E-04	8.26E-08	3.25E-08	5.24E-04	8.25E-08	3.24E-08
3137	482363.09, 3846377.25	4.69E-04	7.38E-08	2.90E-08	4.78E-04	7.53E-08	2.96E-08	4.78E-04	7.52E-08	2.96E-08
3138	482863.09, 3846377.25	4.00E-04	6.30E-08	2.48E-08	4.08E-04	6.43E-08	2.53E-08	4.08E-04	6.42E-08	2.52E-08
3139	483363.09, 3846377.25	4.25E-04	6.70E-08	2.63E-08	4.34E-04	6.84E-08	2.69E-08	4.33E-04	6.83E-08	2.68E-08
3140	483863.09, 3846377.25	4.22E-04	6.65E-08	2.61E-08	4.31E-04	6.78E-08	2.66E-08	4.30E-04	6.78E-08	2.66E-08
3141	484363.09, 3846377.25	3.87E-04	6.09E-08	2.39E-08	3.94E-04	6.21E-08	2.44E-08	3.94E-04	6.21E-08	2.44E-08
3142	484863.09, 3846377.25	4.28E-04	6.74E-08	2.65E-08	4.37E-04	6.88E-08	2.70E-08	4.36E-04	6.87E-08	2.70E-08
3143	485363.09, 3846377.25	4.28E-04	6.75E-08	2.65E-08	4.37E-04	6.89E-08	2.71E-08	4.37E-04	6.88E-08	2.70E-08
3144	485863.09, 3846377.25	3.99E-04	6.29E-08	2.47E-08	4.07E-04	6.42E-08	2.52E-08	4.07E-04	6.41E-08	2.52E-08
3145	486363.09, 3846377.25	3.37E-04	5.30E-08	2.08E-08	3.43E-04	5.41E-08	2.13E-08	3.43E-04	5.40E-08	2.12E-08
3146	486863.09, 3846377.25	3.20E-04	5.04E-08	1.98E-08	3.27E-04	5.14E-08	2.02E-08	3.26E-04	5.14E-08	2.02E-08

3147	487363.09, 3846377.25	3.31E-04	5.21E-08	2.05E-08	3.38E-04	5.32E-08	2.09E-08	3.37E-04	5.31E-08	2.09E-08
3148	487863.09, 3846377.25	3.69E-04	5.82E-08	2.29E-08	3.77E-04	5.94E-08	2.33E-08	3.76E-04	5.93E-08	2.33E-08
3149	488363.09, 3846377.25	3.60E-04	5.68E-08	2.23E-08	3.68E-04	5.79E-08	2.28E-08	3.67E-04	5.79E-08	2.27E-08
3150	488863.09, 3846377.25	3.56E-04	5.61E-08	2.20E-08	3.63E-04	5.72E-08	2.25E-08	3.63E-04	5.72E-08	2.25E-08
3151	489363.09, 3846377.25	3.49E-04	5.50E-08	2.16E-08	3.56E-04	5.61E-08	2.21E-08	3.56E-04	5.61E-08	2.20E-08
3152	489863.09, 3846377.25	3.26E-04	5.13E-08	2.02E-08	3.33E-04	5.24E-08	2.06E-08	3.32E-04	5.23E-08	2.06E-08
3153	490363.09, 3846377.25	2.64E-04	4.16E-08	1.63E-08	2.69E-04	4.24E-08	1.67E-08	2.69E-04	4.24E-08	1.67E-08
3154	490863.09, 3846377.25	2.40E-04	3.78E-08	1.49E-08	2.45E-04	3.86E-08	1.52E-08	2.45E-04	3.86E-08	1.51E-08
3155	491363.09, 3846377.25	2.35E-04	3.69E-08	1.45E-08	2.39E-04	3.77E-08	1.48E-08	2.39E-04	3.77E-08	1.48E-08
3156	491863.09, 3846377.25	2.73E-04	4.29E-08	1.69E-08	2.78E-04	4.38E-08	1.72E-08	2.78E-04	4.38E-08	1.72E-08
3157	492363.09, 3846377.25	2.61E-04	4.11E-08	1.61E-08	2.66E-04	4.19E-08	1.65E-08	2.66E-04	4.19E-08	1.64E-08
3158	492863.09, 3846377.25	2.63E-04	4.14E-08	1.63E-08	2.68E-04	4.23E-08	1.66E-08	2.68E-04	4.22E-08	1.66E-08
3159	493363.09, 3846377.25	2.90E-04	4.56E-08	1.79E-08	2.96E-04	4.66E-08	1.83E-08	2.95E-04	4.65E-08	1.83E-08
3160	493863.09, 3846377.25	3.01E-04	4.74E-08	1.86E-08	3.07E-04	4.84E-08	1.90E-08	3.07E-04	4.83E-08	1.90E-08
3161	494363.09, 3846377.25	3.09E-04	4.86E-08	1.91E-08	3.15E-04	4.96E-08	1.95E-08	3.15E-04	4.96E-08	1.95E-08
3162	494863.09, 3846377.25	3.14E-04	4.94E-08	1.94E-08	3.20E-04	5.04E-08	1.98E-08	3.20E-04	5.04E-08	1.98E-08
3163	495363.09, 3846377.25	3.17E-04	5.00E-08	1.96E-08	3.24E-04	5.10E-08	2.00E-08	3.23E-04	5.10E-08	2.00E-08
3164	495863.09, 3846377.25	3.25E-04	5.12E-08	2.01E-08	3.32E-04	5.23E-08	2.05E-08	3.32E-04	5.22E-08	2.05E-08
3165	496363.09, 3846377.25	3.32E-04	5.23E-08	2.05E-08	3.39E-04	5.33E-08	2.10E-08	3.38E-04	5.33E-08	2.09E-08
3166	496863.09, 3846377.25	3.35E-04	5.28E-08	2.07E-08	3.42E-04	5.39E-08	2.12E-08	3.41E-04	5.38E-08	2.11E-08
3167	497363.09, 3846377.25	3.36E-04	5.29E-08	2.08E-08	3.43E-04	5.40E-08	2.12E-08	3.42E-04	5.39E-08	2.12E-08
3168	497863.09, 3846377.25	3.33E-04	5.25E-08	2.06E-08	3.40E-04	5.35E-08	2.10E-08	3.39E-04	5.35E-08	2.10E-08
3169	498363.09, 3846377.25	3.27E-04	5.16E-08	2.03E-08	3.34E-04	5.26E-08	2.07E-08	3.34E-04	5.26E-08	2.06E-08
3170	471363.09, 3846877.25	7.12E-04	1.12E-07	4.41E-08	7.26E-04	1.14E-07	4.50E-08	7.26E-04	1.14E-07	4.49E-08
3171	471863.09, 3846877.25	8.41E-04	1.32E-07	5.20E-08	8.58E-04	1.35E-07	5.31E-08	8.57E-04	1.35E-07	5.30E-08
3172	472363.09, 3846877.25	9.14E-04	1.44E-07	5.66E-08	9.33E-04	1.47E-07	5.77E-08	9.32E-04	1.47E-07	5.77E-08
3173	472863.09, 3846877.25	4.05E-04	6.39E-08	2.51E-08	4.14E-04	6.52E-08	2.56E-08	4.13E-04	6.51E-08	2.56E-08
3174	473363.09, 3846877.25	5.11E-04	8.05E-08	3.16E-08	5.21E-04	8.21E-08	3.23E-08	5.21E-04	8.20E-08	3.22E-08
3175	473863.09, 3846877.25	6.15E-04	9.68E-08	3.80E-08	6.27E-04	9.88E-08	3.88E-08	6.26E-04	9.87E-08	3.88E-08
3176	474363.09, 3846877.25	6.07E-04	9.56E-08	3.76E-08	6.19E-04	9.76E-08	3.83E-08	6.19E-04	9.75E-08	3.83E-08
3177	474863.09, 3846877.25	6.35E-04	1.00E-07	3.93E-08	6.48E-04	1.02E-07	4.01E-08	6.47E-04	1.02E-07	4.01E-08
3178	475363.09, 3846877.25	6.76E-04	1.07E-07	4.19E-08	6.90E-04	1.09E-07	4.27E-08	6.89E-04	1.09E-07	4.27E-08
3179	475863.09, 3846877.25	9.27E-04	1.46E-07	5.74E-08	9.46E-04	1.49E-07	5.85E-08	9.45E-04	1.49E-07	5.85E-08
3180	476363.09, 3846877.25	1.08E-03	1.69E-07	6.65E-08	1.10E-03	1.73E-07	6.79E-08	1.10E-03	1.73E-07	6.78E-08
3181	476863.09, 3846877.25	1.08E-03	1.70E-07	6.68E-08	1.10E-03	1.74E-07	6.82E-08	1.10E-03	1.73E-07	6.81E-08
3182	477363.09, 3846877.25	1.08E-03	1.70E-07	6.70E-08	1.10E-03	1.74E-07	6.83E-08	1.10E-03	1.74E-07	6.83E-08
3183	477863.09, 3846877.25	1.04E-03	1.63E-07	6.42E-08	1.06E-03	1.67E-07	6.55E-08	1.06E-03	1.67E-07	6.55E-08
3184	478363.09, 3846877.25	1.02E-03	1.60E-07	6.30E-08	1.04E-03	1.64E-07	6.43E-08	1.04E-03	1.63E-07	6.42E-08
3185	478863.09, 3846877.25	1.03E-03	1.62E-07	6.36E-08	1.05E-03	1.65E-07	6.49E-08	1.05E-03	1.65E-07	6.48E-08
3186	479363.09, 3846877.25	9.87E-04	1.56E-07	6.11E-08	1.01E-03	1.59E-07	6.23E-08	1.01E-03	1.58E-07	6.23E-08
3187	479863.09, 3846877.25	8.30E-04	1.31E-07	5.14E-08	8.47E-04	1.33E-07	5.24E-08	8.46E-04	1.33E-07	5.24E-08
3188	480363.09, 3846877.25	7.39E-04	1.16E-07	4.58E-08	7.54E-04	1.19E-07	4.67E-08	7.54E-04	1.19E-07	4.66E-08
3189	480863.09, 3846877.25	7.01E-04	1.10E-07	4.34E-08	7.16E-04	1.13E-07	4.43E-08	7.15E-04	1.13E-07	4.42E-08
3190	481363.09, 3846877.25	7.30E-04	1.15E-07	4.52E-08	7.45E-04	1.17E-07	4.61E-08	7.44E-04	1.17E-07	4.60E-08
3191	481863.09, 3846877.25	7.13E-04	1.12E-07	4.41E-08	7.27E-04	1.15E-07	4.50E-08	7.26E-04	1.14E-07	4.50E-08
3192	482363.09, 3846877.25	6.25E-04	9.85E-08	3.87E-08	6.38E-04	1.01E-07	3.95E-08	6.37E-04	1.00E-07	3.94E-08
3193	482863.09, 3846877.25	6.09E-04	9.59E-08	3.77E-08	6.21E-04	9.79E-08	3.84E-08	6.20E-04	9.77E-08	3.84E-08
3194	483363.09, 3846877.25	5.91E-04	9.31E-08	3.66E-08	6.03E-04	9.50E-08	3.73E-08	6.02E-04	9.49E-08	3.73E-08
3195	483863.09, 3846877.25	5.77E-04	9.09E-08	3.57E-08	5.89E-04	9.28E-08	3.65E-08	5.88E-04	9.27E-08	3.64E-08
3196	484363.09, 3846877.25	5.77E-04	9.09E-08	3.57E-08	5.89E-04	9.28E-08	3.65E-08	5.88E-04	9.27E-08	3.64E-08
3197	484863.09, 3846877.25	5.58E-04	8.79E-08	3.45E-08	5.69E-04	8.97E-08	3.52E-08	5.69E-04	8.96E-08	3.52E-08
3198	485363.09, 3846877.25	5.58E-04	8.79E-08	3.45E-08	5.69E-04	8.97E-08	3.52E-08	5.69E-04	8.96E-08	3.52E-08
3199	485863.09, 3846877.25	5.25E-04	8.27E-08	3.25E-08	5.36E-04	8.44E-08	3.32E-08	5.35E-04	8.43E-08	3.31E-08
3200	486363.09, 3846877.25	5.47E-04	8.61E-08	3.38E-08	5.58E-04	8.79E-08	3.45E-08	5.57E-04	8.78E-08	3.45E-08
3201	486863.09, 3846877.25	4.64E-04	7.31E-08	2.87E-08	4.74E-04	7.46E-08	2.93E-08	4.73E-04	7.45E-08	2.93E-08
3202	487363.09, 3846877.25	4.71E-04	7.42E-08	2.92E-08	4.81E-04	7.57E-08	2.98E-08	4.80E-04	7.57E-08	2.97E-08
3203	487863.09, 3846877.25	4.62E-04	7.28E-08	2.86E-08	4.72E-04	7.43E-08	2.92E-08	4.71E-04	7.42E-08	2.92E-08
3204	488363.09, 3846877.25	4.43E-04	6.97E-08	2.74E-08	4.52E-04	7.11E-08	2.80E-08	4.51E-04	7.11E-08	2.79E-08
3205	488863.09, 3846877.25	4.36E-04	6.87E-08	2.70E-08	4.45E-04	7.02E-08	2.76E-08	4.45E-04	7.01E-08	2.75E-08
3206	489363.09, 3846877.25	4.29E-04	6.75E-08	2.65E-08	4.37E-04	6.89E-08	2.71E-08	4.37E-04	6.88E-08	2.70E-08
3207	489863.09, 3846877.25	4.02E-04	6.34E-08	2.49E-08	4.10E-04	6.47E-08	2.54E-08	4.10E-04	6.46E-08	2.54E-08
3208	490363.09, 3846877.25	3.37E-04	5.30E-08	2.08E-08	3.43E-04	5.41E-08	2.13E-08	3.43E-04	5.40E-08	2.12E-08
3209	490863.09, 3846877.25	3.17E-04	4.99E-08	1.96E-08	3.24E-04	5.10E-08	2.00E-08	3.23E-04	5.09E-08	2.00E-08

3210	491363.09, 3846877.25	3.12E-04	4.91E-08	1.93E-08	3.18E-04	5.01E-08	1.97E-08	3.18E-04	5.01E-08	1.97E-08
3211	491863.09, 3846877.25	2.88E-04	4.54E-08	1.79E-08	2.94E-04	4.64E-08	1.82E-08	2.94E-04	4.63E-08	1.82E-08
3212	492363.09, 3846877.25	3.31E-04	5.21E-08	2.05E-08	3.38E-04	5.32E-08	2.09E-08	3.37E-04	5.31E-08	2.09E-08
3213	492863.09, 3846877.25	3.31E-04	5.21E-08	2.05E-08	3.37E-04	5.31E-08	2.09E-08	3.37E-04	5.31E-08	2.09E-08
3214	493363.09, 3846877.25	3.42E-04	5.38E-08	2.11E-08	3.48E-04	5.49E-08	2.16E-08	3.48E-04	5.48E-08	2.15E-08
3215	493863.09, 3846877.25	3.46E-04	5.45E-08	2.14E-08	3.53E-04	5.56E-08	2.18E-08	3.52E-04	5.55E-08	2.18E-08
3216	494363.09, 3846877.25	3.43E-04	5.41E-08	2.12E-08	3.50E-04	5.52E-08	2.17E-08	3.50E-04	5.51E-08	2.17E-08
3217	494863.09, 3846877.25	3.44E-04	5.43E-08	2.13E-08	3.51E-04	5.54E-08	2.18E-08	3.51E-04	5.53E-08	2.17E-08
3218	495363.09, 3846877.25	3.44E-04	5.42E-08	2.13E-08	3.51E-04	5.53E-08	2.17E-08	3.51E-04	5.53E-08	2.17E-08
3219	495863.09, 3846877.25	3.44E-04	5.42E-08	2.13E-08	3.51E-04	5.53E-08	2.17E-08	3.50E-04	5.52E-08	2.17E-08
3220	496363.09, 3846877.25	3.45E-04	5.44E-08	2.14E-08	3.52E-04	5.55E-08	2.18E-08	3.52E-04	5.54E-08	2.18E-08
3221	496863.09, 3846877.25	3.52E-04	5.54E-08	2.18E-08	3.59E-04	5.66E-08	2.22E-08	3.59E-04	5.65E-08	2.22E-08
3222	497363.09, 3846877.25	3.63E-04	5.72E-08	2.25E-08	3.70E-04	5.84E-08	2.29E-08	3.70E-04	5.83E-08	2.29E-08
3223	497863.09, 3846877.25	3.69E-04	5.81E-08	2.28E-08	3.76E-04	5.93E-08	2.33E-08	3.76E-04	5.92E-08	2.33E-08
3224	498363.09, 3846877.25	3.58E-04	5.64E-08	2.22E-08	3.66E-04	5.76E-08	2.26E-08	3.65E-04	5.75E-08	2.26E-08
3225	471363.09, 3847377.25	8.48E-04	1.34E-07	5.25E-08	8.65E-04	1.36E-07	5.36E-08	8.64E-04	1.36E-07	5.35E-08
3226	471863.09, 3847377.25	9.72E-04	1.53E-07	6.01E-08	9.92E-04	1.56E-07	6.14E-08	9.90E-04	1.56E-07	6.13E-08
3227	472363.09, 3847377.25	1.17E-03	1.84E-07	7.23E-08	1.19E-03	1.88E-07	7.37E-08	1.19E-03	1.87E-07	7.37E-08
3228	472863.09, 3847377.25	1.47E-03	2.32E-07	9.13E-08	1.50E-03	2.37E-07	9.31E-08	1.50E-03	2.37E-07	9.30E-08
3229	473363.09, 3847377.25	1.01E-03	1.59E-07	6.27E-08	1.03E-03	1.63E-07	6.39E-08	1.03E-03	1.63E-07	6.39E-08
3230	473863.09, 3847377.25	1.03E-03	1.62E-07	6.35E-08	1.05E-03	1.65E-07	6.48E-08	1.05E-03	1.65E-07	6.47E-08
3231	474363.09, 3847377.25	1.18E-03	1.86E-07	7.32E-08	1.21E-03	1.90E-07	7.47E-08	1.20E-03	1.90E-07	7.46E-08
3232	474863.09, 3847377.25	1.26E-03	1.99E-07	7.83E-08	1.29E-03	2.03E-07	7.98E-08	1.29E-03	2.03E-07	7.98E-08
3233	475363.09, 3847377.25	1.40E-03	2.21E-07	8.68E-08	1.43E-03	2.26E-07	8.86E-08	1.43E-03	2.25E-07	8.85E-08
3234	475863.09, 3847377.25	1.88E-03	2.97E-07	1.17E-07	1.92E-03	3.03E-07	1.19E-07	1.92E-03	3.02E-07	1.19E-07
3235	476363.09, 3847377.25	2.25E-03	3.54E-07	1.39E-07	2.29E-03	3.61E-07	1.42E-07	2.29E-03	3.61E-07	1.42E-07
3236	476863.09, 3847377.25	2.10E-03	3.31E-07	1.30E-07	2.14E-03	3.38E-07	1.33E-07	2.14E-03	3.37E-07	1.32E-07
3237	477363.09, 3847377.25	2.01E-03	3.17E-07	1.24E-07	2.05E-03	3.23E-07	1.27E-07	2.05E-03	3.23E-07	1.27E-07
3238	477863.09, 3847377.25	1.84E-03	2.91E-07	1.14E-07	1.88E-03	2.97E-07	1.16E-07	1.88E-03	2.96E-07	1.16E-07
3239	478363.09, 3847377.25	1.75E-03	2.75E-07	1.08E-07	1.78E-03	2.81E-07	1.10E-07	1.78E-03	2.81E-07	1.10E-07
3240	478863.09, 3847377.25	1.69E-03	2.66E-07	1.04E-07	1.72E-03	2.71E-07	1.07E-07	1.72E-03	2.71E-07	1.06E-07
3241	479363.09, 3847377.25	1.40E-03	2.21E-07	8.68E-08	1.43E-03	2.25E-07	8.86E-08	1.43E-03	2.25E-07	8.85E-08
3242	479863.09, 3847377.25	1.09E-03	1.72E-07	6.75E-08	1.11E-03	1.75E-07	6.89E-08	1.11E-03	1.75E-07	6.88E-08
3243	480363.09, 3847377.25	8.19E-04	1.29E-07	5.07E-08	8.36E-04	1.32E-07	5.18E-08	8.35E-04	1.32E-07	5.17E-08
3244	480863.09, 3847377.25	7.37E-04	1.16E-07	4.56E-08	7.52E-04	1.18E-07	4.65E-08	7.51E-04	1.18E-07	4.65E-08
3245	481363.09, 3847377.25	8.05E-04	1.27E-07	4.98E-08	8.22E-04	1.29E-07	5.09E-08	8.21E-04	1.29E-07	5.08E-08
3246	481863.09, 3847377.25	9.65E-04	1.52E-07	5.97E-08	9.85E-04	1.55E-07	6.10E-08	9.84E-04	1.55E-07	6.09E-08
3247	482363.09, 3847377.25	9.24E-04	1.46E-07	5.72E-08	9.43E-04	1.48E-07	5.83E-08	9.42E-04	1.48E-07	5.83E-08
3248	482863.09, 3847377.25	8.57E-04	1.35E-07	5.31E-08	8.75E-04	1.38E-07	5.42E-08	8.74E-04	1.38E-07	5.41E-08
3249	483363.09, 3847377.25	7.95E-04	1.25E-07	4.92E-08	8.11E-04	1.28E-07	5.02E-08	8.10E-04	1.28E-07	5.01E-08
3250	483863.09, 3847377.25	7.73E-04	1.22E-07	4.78E-08	7.89E-04	1.24E-07	4.88E-08	7.88E-04	1.24E-07	4.88E-08
3251	484363.09, 3847377.25	7.95E-04	1.25E-07	4.92E-08	8.12E-04	1.28E-07	5.02E-08	8.11E-04	1.28E-07	5.02E-08
3252	484863.09, 3847377.25	7.56E-04	1.19E-07	4.68E-08	7.71E-04	1.21E-07	4.77E-08	7.70E-04	1.21E-07	4.77E-08
3253	485363.09, 3847377.25	7.35E-04	1.16E-07	4.55E-08	7.50E-04	1.18E-07	4.64E-08	7.49E-04	1.18E-07	4.64E-08
3254	485863.09, 3847377.25	7.31E-04	1.15E-07	4.53E-08	7.46E-04	1.18E-07	4.62E-08	7.45E-04	1.17E-07	4.61E-08
3255	486363.09, 3847377.25	7.24E-04	1.14E-07	4.48E-08	7.39E-04	1.16E-07	4.57E-08	7.38E-04	1.16E-07	4.57E-08
3256	486863.09, 3847377.25	6.42E-04	1.01E-07	3.97E-08	6.55E-04	1.03E-07	4.05E-08	6.54E-04	1.03E-07	4.05E-08
3257	487363.09, 3847377.25	6.38E-04	1.00E-07	3.95E-08	6.51E-04	1.03E-07	4.03E-08	6.50E-04	1.02E-07	4.02E-08
3258	487863.09, 3847377.25	5.80E-04	9.14E-08	3.59E-08	5.92E-04	9.33E-08	3.67E-08	5.92E-04	9.32E-08	3.66E-08
3259	488363.09, 3847377.25	5.55E-04	8.75E-08	3.44E-08	5.66E-04	8.92E-08	3.51E-08	5.66E-04	8.91E-08	3.50E-08
3260	488863.09, 3847377.25	5.40E-04	8.50E-08	3.34E-08	5.51E-04	8.67E-08	3.41E-08	5.50E-04	8.66E-08	3.40E-08
3261	489363.09, 3847377.25	5.25E-04	8.28E-08	3.25E-08	5.36E-04	8.45E-08	3.32E-08	5.35E-04	8.44E-08	3.31E-08
3262	489863.09, 3847377.25	4.77E-04	7.51E-08	2.95E-08	4.87E-04	7.66E-08	3.01E-08	4.86E-04	7.66E-08	3.01E-08
3263	490363.09, 3847377.25	4.32E-04	6.81E-08	2.67E-08	4.41E-04	6.94E-08	2.73E-08	4.40E-04	6.94E-08	2.72E-08
3264	490863.09, 3847377.25	4.17E-04	6.57E-08	2.58E-08	4.26E-04	6.71E-08	2.63E-08	4.25E-04	6.70E-08	2.63E-08
3265	491363.09, 3847377.25	3.97E-04	6.25E-08	2.46E-08	4.05E-04	6.38E-08	2.51E-08	4.05E-04	6.37E-08	2.50E-08
3266	491863.09, 3847377.25	4.14E-04	6.52E-08	2.56E-08	4.22E-04	6.66E-08	2.61E-08	4.22E-04	6.65E-08	2.61E-08
3267	492363.09, 3847377.25	3.94E-04	6.21E-08	2.44E-08	4.02E-04	6.34E-08	2.49E-08	4.02E-04	6.33E-08	2.49E-08
3268	492863.09, 3847377.25	3.98E-04	6.27E-08	2.46E-08	4.06E-04	6.40E-08	2.51E-08	4.06E-04	6.39E-08	2.51E-08
3269	493363.09, 3847377.25	3.95E-04	6.22E-08	2.44E-08	4.03E-04	6.34E-08	2.49E-08	4.02E-04	6.34E-08	2.49E-08
3270	493863.09, 3847377.25	3.77E-04	5.94E-08	2.33E-08	3.85E-04	6.06E-08	2.38E-08	3.84E-04	6.05E-08	2.38E-08
3271	494363.09, 3847377.25	3.62E-04	5.70E-08	2.24E-08	3.70E-04	5.82E-08	2.29E-08	3.69E-04	5.81E-08	2.28E-08
3272	494863.09, 3847377.25	3.55E-04	5.60E-08	2.20E-08	3.63E-04	5.71E-08	2.24E-08	3.62E-04	5.71E-08	2.24E-08

3273	495363.09, 3847377.25	3.49E-04	5.50E-08	2.16E-08	3.56E-04	5.61E-08	2.20E-08	3.56E-04	5.60E-08	2.20E-08
3274	495863.09, 3847377.25	3.49E-04	5.49E-08	2.16E-08	3.56E-04	5.60E-08	2.20E-08	3.55E-04	5.60E-08	2.20E-08
3275	496363.09, 3847377.25	3.46E-04	5.45E-08	2.14E-08	3.53E-04	5.56E-08	2.18E-08	3.53E-04	5.55E-08	2.18E-08
3276	496863.09, 3847377.25	3.56E-04	5.61E-08	2.20E-08	3.64E-04	5.73E-08	2.25E-08	3.63E-04	5.72E-08	2.25E-08
3277	497363.09, 3847377.25	3.74E-04	5.90E-08	2.32E-08	3.82E-04	6.02E-08	2.36E-08	3.81E-04	6.01E-08	2.36E-08
3278	497863.09, 3847377.25	3.97E-04	6.25E-08	2.46E-08	4.05E-04	6.38E-08	2.51E-08	4.05E-04	6.37E-08	2.50E-08
3279	498363.09, 3847377.25	3.93E-04	6.19E-08	2.43E-08	4.01E-04	6.32E-08	2.48E-08	4.01E-04	6.31E-08	2.48E-08
3280	471363.09, 3847877.25	1.01E-03	1.60E-07	6.28E-08	1.04E-03	1.63E-07	6.41E-08	1.03E-03	1.63E-07	6.40E-08
3281	471863.09, 3847877.25	1.20E-03	1.90E-07	7.46E-08	1.23E-03	1.94E-07	7.61E-08	1.23E-03	1.93E-07	7.60E-08
3282	472363.09, 3847877.25	1.47E-03	2.32E-07	9.12E-08	1.50E-03	2.37E-07	9.31E-08	1.50E-03	2.37E-07	9.30E-08
3283	472863.09, 3847877.25	1.96E-03	3.09E-07	1.21E-07	2.00E-03	3.15E-07	1.24E-07	2.00E-03	3.15E-07	1.24E-07
3284	473363.09, 3847877.25	3.21E-03	5.05E-07	1.98E-07	3.27E-03	5.16E-07	2.03E-07	3.27E-03	5.15E-07	2.02E-07
3285	473863.09, 3847877.25	1.97E-02	3.10E-06	1.22E-06	2.01E-02	3.17E-06	1.24E-06	2.01E-02	3.16E-06	1.24E-06
3286	474363.09, 3847877.25	8.70E-03	1.37E-06	5.39E-07	8.88E-03	1.40E-06	5.50E-07	8.87E-03	1.40E-06	5.49E-07
3287	474863.09, 3847877.25	7.15E-03	1.13E-06	4.43E-07	7.30E-03	1.15E-06	4.52E-07	7.29E-03	1.15E-06	4.51E-07
3288	475363.09, 3847877.25	4.94E-03	7.79E-07	3.06E-07	5.04E-03	7.94E-07	3.12E-07	5.04E-03	7.94E-07	3.12E-07
3289	475863.09, 3847877.25	3.87E-03	6.10E-07	2.40E-07	3.95E-03	6.22E-07	2.44E-07	3.94E-03	6.21E-07	2.44E-07
3290	476363.09, 3847877.25	4.38E-03	6.90E-07	2.71E-07	4.47E-03	7.04E-07	2.77E-07	4.46E-03	7.03E-07	2.76E-07
3291	476863.09, 3847877.25	3.96E-03	6.23E-07	2.45E-07	4.04E-03	6.36E-07	2.50E-07	4.03E-03	6.35E-07	2.50E-07
3292	477363.09, 3847877.25	3.53E-03	5.56E-07	2.19E-07	3.60E-03	5.68E-07	2.23E-07	3.60E-03	5.67E-07	2.23E-07
3293	477863.09, 3847877.25	3.17E-03	4.99E-07	1.96E-07	3.23E-03	5.09E-07	2.00E-07	3.23E-03	5.08E-07	2.00E-07
3294	478363.09, 3847877.25	2.83E-03	4.46E-07	1.75E-07	2.89E-03	4.55E-07	1.79E-07	2.88E-03	4.54E-07	1.79E-07
3295	478863.09, 3847877.25	2.59E-03	4.08E-07	1.60E-07	2.64E-03	4.17E-07	1.64E-07	2.64E-03	4.16E-07	1.63E-07
3296	479363.09, 3847877.25	1.92E-03	3.03E-07	1.19E-07	1.96E-03	3.09E-07	1.21E-07	1.96E-03	3.08E-07	1.21E-07
3297	479863.09, 3847877.25	1.23E-03	1.94E-07	7.63E-08	1.26E-03	1.98E-07	7.79E-08	1.26E-03	1.98E-07	7.78E-08
3298	480363.09, 3847877.25	1.26E-03	1.98E-07	7.78E-08	1.28E-03	2.02E-07	7.94E-08	1.28E-03	2.02E-07	7.93E-08
3299	480863.09, 3847877.25	1.11E-03	1.74E-07	6.85E-08	1.13E-03	1.78E-07	6.99E-08	1.13E-03	1.78E-07	6.98E-08
3300	481363.09, 3847877.25	1.09E-03	1.72E-07	6.75E-08	1.11E-03	1.75E-07	6.89E-08	1.11E-03	1.75E-07	6.88E-08
3301	481863.09, 3847877.25	1.36E-03	2.15E-07	8.44E-08	1.39E-03	2.19E-07	8.62E-08	1.39E-03	2.19E-07	8.61E-08
3302	482363.09, 3847877.25	1.27E-03	1.99E-07	7.84E-08	1.29E-03	2.04E-07	8.00E-08	1.29E-03	2.03E-07	7.99E-08
3303	482863.09, 3847877.25	1.14E-03	1.80E-07	7.08E-08	1.17E-03	1.84E-07	7.23E-08	1.17E-03	1.84E-07	7.22E-08
3304	483363.09, 3847877.25	1.06E-03	1.68E-07	6.59E-08	1.09E-03	1.71E-07	6.73E-08	1.09E-03	1.71E-07	6.72E-08
3305	483863.09, 3847877.25	1.03E-03	1.63E-07	6.39E-08	1.05E-03	1.66E-07	6.52E-08	1.05E-03	1.66E-07	6.51E-08
3306	484363.09, 3847877.25	1.04E-03	1.64E-07	6.42E-08	1.06E-03	1.67E-07	6.56E-08	1.06E-03	1.67E-07	6.55E-08
3307	484863.09, 3847877.25	9.96E-04	1.57E-07	6.16E-08	1.02E-03	1.60E-07	6.29E-08	1.01E-03	1.60E-07	6.28E-08
3308	485363.09, 3847877.25	9.83E-04	1.55E-07	6.09E-08	1.00E-03	1.58E-07	6.21E-08	1.00E-03	1.58E-07	6.20E-08
3309	485863.09, 3847877.25	9.70E-04	1.53E-07	6.00E-08	9.90E-04	1.56E-07	6.12E-08	9.88E-04	1.56E-07	6.12E-08
3310	486363.09, 3847877.25	8.92E-04	1.40E-07	5.52E-08	9.10E-04	1.43E-07	5.63E-08	9.09E-04	1.43E-07	5.62E-08
3311	486863.09, 3847877.25	8.30E-04	1.31E-07	5.14E-08	8.47E-04	1.33E-07	5.24E-08	8.46E-04	1.33E-07	5.23E-08
3312	487363.09, 3847877.25	7.85E-04	1.24E-07	4.86E-08	8.01E-04	1.26E-07	4.96E-08	8.00E-04	1.26E-07	4.95E-08
3313	487863.09, 3847877.25	7.20E-04	1.13E-07	4.46E-08	7.35E-04	1.16E-07	4.55E-08	7.34E-04	1.16E-07	4.54E-08
3314	488363.09, 3847877.25	6.84E-04	1.08E-07	4.23E-08	6.98E-04	1.10E-07	4.32E-08	6.97E-04	1.10E-07	4.31E-08
3315	488863.09, 3847877.25	6.62E-04	1.04E-07	4.09E-08	6.75E-04	1.06E-07	4.18E-08	6.74E-04	1.06E-07	4.17E-08
3316	489363.09, 3847877.25	6.40E-04	1.01E-07	3.96E-08	6.53E-04	1.03E-07	4.04E-08	6.53E-04	1.03E-07	4.04E-08
3317	489863.09, 3847877.25	6.43E-04	1.01E-07	3.98E-08	6.56E-04	1.03E-07	4.06E-08	6.56E-04	1.03E-07	4.06E-08
3318	490363.09, 3847877.25	6.12E-04	9.64E-08	3.79E-08	6.25E-04	9.84E-08	3.87E-08	6.24E-04	9.83E-08	3.86E-08
3319	490863.09, 3847877.25	5.70E-04	8.97E-08	3.53E-08	5.81E-04	9.16E-08	3.60E-08	5.81E-04	9.15E-08	3.59E-08
3320	491363.09, 3847877.25	5.10E-04	8.03E-08	3.15E-08	5.20E-04	8.19E-08	3.22E-08	5.20E-04	8.18E-08	3.22E-08
3321	491863.09, 3847877.25	4.90E-04	7.72E-08	3.03E-08	5.00E-04	7.88E-08	3.10E-08	5.00E-04	7.87E-08	3.09E-08
3322	492363.09, 3847877.25	4.78E-04	7.53E-08	2.96E-08	4.88E-04	7.69E-08	3.02E-08	4.87E-04	7.68E-08	3.02E-08
3323	492863.09, 3847877.25	4.59E-04	7.24E-08	2.84E-08	4.69E-04	7.38E-08	2.90E-08	4.68E-04	7.38E-08	2.90E-08
3324	493363.09, 3847877.25	4.15E-04	6.55E-08	2.57E-08	4.24E-04	6.68E-08	2.62E-08	4.23E-04	6.67E-08	2.62E-08
3325	493863.09, 3847877.25	3.86E-04	6.08E-08	2.39E-08	3.94E-04	6.21E-08	2.44E-08	3.93E-04	6.20E-08	2.43E-08
3326	494363.09, 3847877.25	3.71E-04	5.84E-08	2.29E-08	3.78E-04	5.96E-08	2.34E-08	3.78E-04	5.95E-08	2.34E-08
3327	494863.09, 3847877.25	3.62E-04	5.71E-08	2.24E-08	3.70E-04	5.83E-08	2.29E-08	3.69E-04	5.82E-08	2.29E-08
3328	495363.09, 3847877.25	3.44E-04	5.42E-08	2.13E-08	3.51E-04	5.53E-08	2.17E-08	3.51E-04	5.53E-08	2.17E-08
3329	495863.09, 3847877.25	2.90E-04	4.57E-08	1.80E-08	2.96E-04	4.67E-08	1.83E-08	2.96E-04	4.66E-08	1.83E-08
3330	496363.09, 3847877.25	3.40E-04	5.35E-08	2.10E-08	3.47E-04	5.46E-08	2.15E-08	3.46E-04	5.46E-08	2.14E-08
3331	496863.09, 3847877.25	3.49E-04	5.51E-08	2.16E-08	3.57E-04	5.62E-08	2.21E-08	3.56E-04	5.61E-08	2.20E-08
3332	497363.09, 3847877.25	3.68E-04	5.80E-08	2.28E-08	3.76E-04	5.92E-08	2.33E-08	3.75E-04	5.91E-08	2.32E-08
3333	497863.09, 3847877.25	4.19E-04	6.60E-08	2.59E-08	4.28E-04	6.74E-08	2.65E-08	4.27E-04	6.73E-08	2.64E-08
3334	498363.09, 3847877.25	4.26E-04	6.72E-08	2.64E-08	4.35E-04	6.85E-08	2.69E-08	4.35E-04	6.85E-08	2.69E-08
3335	471363.09, 3848377.25	1.08E-03	1.70E-07	6.69E-08	1.10E-03	1.74E-07	6.82E-08	1.10E-03	1.73E-07	6.82E-08

3336	471863.09, 3848377.25	1.31E-03	2.07E-07	8.14E-08	1.34E-03	2.11E-07	8.30E-08	1.34E-03	2.11E-07	8.29E-08
3337	472363.09, 3848377.25	1.67E-03	2.63E-07	1.03E-07	1.71E-03	2.69E-07	1.06E-07	1.70E-03	2.68E-07	1.05E-07
3338	472863.09, 3848377.25	2.27E-03	3.58E-07	1.41E-07	2.32E-03	3.65E-07	1.43E-07	2.32E-03	3.65E-07	1.43E-07
3339	473363.09, 3848377.25	3.41E-03	5.37E-07	2.11E-07	3.48E-03	5.48E-07	2.15E-07	3.48E-03	5.48E-07	2.15E-07
3340	473863.09, 3848377.25	6.27E-03	9.88E-07	3.88E-07	6.40E-03	1.01E-06	3.96E-07	6.39E-03	1.01E-06	3.96E-07
3341	474363.09, 3848377.25	2.27E-02	3.58E-06	1.41E-06	2.32E-02	3.65E-06	1.43E-06	2.32E-02	3.65E-06	1.43E-06
3342	474863.09, 3848377.25	2.11E-02	3.32E-06	1.31E-06	2.15E-02	3.39E-06	1.33E-06	2.15E-02	3.39E-06	1.33E-06
3343	475363.09, 3848377.25	1.44E-02	2.28E-06	8.94E-07	1.47E-02	2.32E-06	9.12E-07	1.47E-02	2.32E-06	9.11E-07
3344	475863.09, 3848377.25	8.79E-03	1.38E-06	5.44E-07	8.97E-03	1.41E-06	5.55E-07	8.96E-03	1.41E-06	5.54E-07
3345	476363.09, 3848377.25	6.12E-03	9.64E-07	3.79E-07	6.24E-03	9.83E-07	3.86E-07	6.24E-03	9.82E-07	3.86E-07
3346	476863.09, 3848377.25	6.56E-03	1.03E-06	4.06E-07	6.70E-03	1.06E-06	4.15E-07	6.69E-03	1.05E-06	4.14E-07
3347	477363.09, 3848377.25	5.66E-03	8.91E-07	3.50E-07	5.77E-03	9.09E-07	3.57E-07	5.77E-03	9.08E-07	3.57E-07
3348	477863.09, 3848377.25	5.10E-03	8.04E-07	3.16E-07	5.21E-03	8.20E-07	3.22E-07	5.20E-03	8.19E-07	3.22E-07
3349	478363.09, 3848377.25	4.49E-03	7.07E-07	2.78E-07	4.58E-03	7.21E-07	2.83E-07	4.57E-03	7.20E-07	2.83E-07
3350	478863.09, 3848377.25	3.81E-03	6.00E-07	2.36E-07	3.88E-03	6.12E-07	2.40E-07	3.88E-03	6.11E-07	2.40E-07
3351	479363.09, 3848377.25	2.85E-03	4.49E-07	1.76E-07	2.91E-03	4.58E-07	1.80E-07	2.90E-03	4.57E-07	1.80E-07
3352	479863.09, 3848377.25	1.21E-03	1.91E-07	7.49E-08	1.24E-03	1.95E-07	7.64E-08	1.23E-03	1.94E-07	7.64E-08
3353	480363.09, 3848377.25	1.60E-03	2.52E-07	9.90E-08	1.63E-03	2.57E-07	1.01E-07	1.63E-03	2.57E-07	1.01E-07
3354	480863.09, 3848377.25	1.97E-03	3.11E-07	1.22E-07	2.01E-03	3.17E-07	1.25E-07	2.01E-03	3.17E-07	1.24E-07
3355	481363.09, 3848377.25	1.88E-03	2.97E-07	1.16E-07	1.92E-03	3.03E-07	1.19E-07	1.92E-03	3.02E-07	1.19E-07
3356	481863.09, 3848377.25	1.85E-03	2.91E-07	1.14E-07	1.88E-03	2.97E-07	1.17E-07	1.88E-03	2.96E-07	1.16E-07
3357	482363.09, 3848377.25	1.76E-03	2.77E-07	1.09E-07	1.80E-03	2.83E-07	1.11E-07	1.79E-03	2.82E-07	1.11E-07
3358	482863.09, 3848377.25	1.55E-03	2.44E-07	9.57E-08	1.58E-03	2.48E-07	9.76E-08	1.58E-03	2.48E-07	9.75E-08
3359	483363.09, 3848377.25	1.44E-03	2.27E-07	8.94E-08	1.47E-03	2.32E-07	9.12E-08	1.47E-03	2.32E-07	9.11E-08
3360	483863.09, 3848377.25	1.31E-03	2.06E-07	8.09E-08	1.33E-03	2.10E-07	8.25E-08	1.33E-03	2.10E-07	8.24E-08
3361	484363.09, 3848377.25	1.27E-03	2.00E-07	7.86E-08	1.30E-03	2.04E-07	8.02E-08	1.29E-03	2.04E-07	8.01E-08
3362	484863.09, 3848377.25	1.30E-03	2.05E-07	8.05E-08	1.33E-03	2.09E-07	8.22E-08	1.33E-03	2.09E-07	8.21E-08
3363	485363.09, 3848377.25	1.25E-03	1.96E-07	7.71E-08	1.27E-03	2.00E-07	7.87E-08	1.27E-03	2.00E-07	7.86E-08
3364	485863.09, 3848377.25	1.20E-03	1.89E-07	7.43E-08	1.23E-03	1.93E-07	7.58E-08	1.22E-03	1.93E-07	7.57E-08
3365	486363.09, 3848377.25	1.12E-03	1.77E-07	6.94E-08	1.14E-03	1.80E-07	7.08E-08	1.14E-03	1.80E-07	7.07E-08
3366	486863.09, 3848377.25	1.03E-03	1.62E-07	6.37E-08	1.05E-03	1.66E-07	6.50E-08	1.05E-03	1.65E-07	6.50E-08
3367	487363.09, 3848377.25	9.22E-04	1.45E-07	5.71E-08	9.41E-04	1.48E-07	5.82E-08	9.40E-04	1.48E-07	5.82E-08
3368	487863.09, 3848377.25	8.80E-04	1.39E-07	5.45E-08	8.98E-04	1.41E-07	5.56E-08	8.97E-04	1.41E-07	5.55E-08
3369	488363.09, 3848377.25	8.34E-04	1.31E-07	5.16E-08	8.51E-04	1.34E-07	5.27E-08	8.50E-04	1.34E-07	5.26E-08
3370	488863.09, 3848377.25	7.99E-04	1.26E-07	4.94E-08	8.15E-04	1.28E-07	5.04E-08	8.14E-04	1.28E-07	5.04E-08
3371	489363.09, 3848377.25	7.76E-04	1.22E-07	4.80E-08	7.91E-04	1.25E-07	4.90E-08	7.90E-04	1.25E-07	4.89E-08
3372	489863.09, 3848377.25	7.77E-04	1.22E-07	4.81E-08	7.93E-04	1.25E-07	4.91E-08	7.92E-04	1.25E-07	4.90E-08
3373	490363.09, 3848377.25	7.33E-04	1.15E-07	4.54E-08	7.48E-04	1.18E-07	4.63E-08	7.47E-04	1.18E-07	4.62E-08
3374	490863.09, 3848377.25	6.67E-04	1.05E-07	4.13E-08	6.81E-04	1.07E-07	4.21E-08	6.80E-04	1.07E-07	4.21E-08
3375	491363.09, 3848377.25	6.15E-04	9.69E-08	3.81E-08	6.28E-04	9.89E-08	3.88E-08	6.27E-04	9.87E-08	3.88E-08
3376	491863.09, 3848377.25	5.76E-04	9.08E-08	3.57E-08	5.88E-04	9.27E-08	3.64E-08	5.87E-04	9.25E-08	3.64E-08
3377	492363.09, 3848377.25	5.14E-04	8.09E-08	3.18E-08	5.24E-04	8.26E-08	3.24E-08	5.23E-04	8.25E-08	3.24E-08
3378	492863.09, 3848377.25	4.51E-04	7.10E-08	2.79E-08	4.60E-04	7.25E-08	2.85E-08	4.59E-04	7.24E-08	2.84E-08
3379	493363.09, 3848377.25	4.19E-04	6.60E-08	2.59E-08	4.28E-04	6.74E-08	2.65E-08	4.27E-04	6.73E-08	2.64E-08
3380	493863.09, 3848377.25	3.91E-04	6.16E-08	2.42E-08	3.99E-04	6.28E-08	2.47E-08	3.98E-04	6.27E-08	2.46E-08
3381	494363.09, 3848377.25	3.65E-04	5.76E-08	2.26E-08	3.73E-04	5.87E-08	2.31E-08	3.72E-04	5.87E-08	2.30E-08
3382	494863.09, 3848377.25	3.60E-04	5.67E-08	2.23E-08	3.67E-04	5.79E-08	2.27E-08	3.67E-04	5.78E-08	2.27E-08
3383	495363.09, 3848377.25	3.19E-04	5.02E-08	1.97E-08	3.25E-04	5.13E-08	2.01E-08	3.25E-04	5.12E-08	2.01E-08
3384	495863.09, 3848377.25	3.06E-04	4.82E-08	1.89E-08	3.12E-04	4.92E-08	1.93E-08	3.12E-04	4.92E-08	1.93E-08
3385	496363.09, 3848377.25	3.24E-04	5.10E-08	2.00E-08	3.30E-04	5.20E-08	2.04E-08	3.30E-04	5.19E-08	2.04E-08
3386	496863.09, 3848377.25	3.06E-04	4.82E-08	1.89E-08	3.12E-04	4.92E-08	1.93E-08	3.12E-04	4.91E-08	1.93E-08
3387	497363.09, 3848377.25	3.39E-04	5.35E-08	2.10E-08	3.46E-04	5.46E-08	2.14E-08	3.46E-04	5.45E-08	2.14E-08
3388	497863.09, 3848377.25	4.53E-04	7.14E-08	2.81E-08	4.63E-04	7.29E-08	2.86E-08	4.62E-04	7.28E-08	2.86E-08
3389	498363.09, 3848377.25	4.50E-04	7.09E-08	2.79E-08	4.59E-04	7.24E-08	2.84E-08	4.59E-04	7.23E-08	2.84E-08
3390	471363.09, 3848877.25	1.09E-03	1.72E-07	6.75E-08	1.11E-03	1.75E-07	6.89E-08	1.11E-03	1.75E-07	6.88E-08
3391	471863.09, 3848877.25	1.33E-03	2.09E-07	8.21E-08	1.35E-03	2.13E-07	8.38E-08	1.35E-03	2.13E-07	8.37E-08
3392	472363.09, 3848877.25	1.65E-03	2.61E-07	1.02E-07	1.69E-03	2.66E-07	1.05E-07	1.69E-03	2.66E-07	1.04E-07
3393	472863.09, 3848877.25	2.14E-03	3.37E-07	1.32E-07	2.18E-03	3.44E-07	1.35E-07	2.18E-03	3.43E-07	1.35E-07
3394	473363.09, 3848877.25	2.92E-03	4.60E-07	1.81E-07	2.98E-03	4.70E-07	1.84E-07	2.98E-03	4.69E-07	1.84E-07
3395	473863.09, 3848877.25	4.27E-03	6.73E-07	2.64E-07	4.36E-03	6.87E-07	2.70E-07	4.36E-03	6.86E-07	2.70E-07
3396	474363.09, 3848877.25	6.79E-03	1.07E-06	4.20E-07	6.93E-03	1.09E-06	4.29E-07	6.92E-03	1.09E-06	4.28E-07
3397	474863.09, 3848877.25	1.92E-02	3.03E-06	1.19E-06	1.96E-02	3.09E-06	1.22E-06	1.96E-02	3.09E-06	1.21E-06
3398	475363.09, 3848877.25	3.79E-02	5.98E-06	2.35E-06	3.87E-02	6.10E-06	2.40E-06	3.87E-02	6.09E-06	2.39E-06

3399	475863.09, 3848877.25	2.10E-02	3.31E-06	1.30E-06	2.14E-02	3.38E-06	1.33E-06	2.14E-02	3.37E-06	1.32E-06
3400	476363.09, 3848877.25	1.46E-02	2.30E-06	9.02E-07	1.49E-02	2.34E-06	9.21E-07	1.49E-02	2.34E-06	9.20E-07
3401	476863.09, 3848877.25	1.11E-02	1.74E-06	6.85E-07	1.13E-02	1.78E-06	6.99E-07	1.13E-02	1.78E-06	6.98E-07
3402	477363.09, 3848877.25	1.10E-02	1.74E-06	6.82E-07	1.13E-02	1.77E-06	6.96E-07	1.12E-02	1.77E-06	6.96E-07
3403	477863.09, 3848877.25	8.94E-03	1.41E-06	5.53E-07	9.12E-03	1.44E-06	5.64E-07	9.11E-03	1.44E-06	5.64E-07
3404	478363.09, 3848877.25	7.58E-03	1.19E-06	4.69E-07	7.73E-03	1.22E-06	4.78E-07	7.72E-03	1.22E-06	4.78E-07
3405	478863.09, 3848877.25	6.14E-03	9.68E-07	3.80E-07	6.27E-03	9.88E-07	3.88E-07	6.26E-03	9.86E-07	3.88E-07
3406	479363.09, 3848877.25	4.77E-03	7.52E-07	2.95E-07	4.87E-03	7.67E-07	3.01E-07	4.86E-03	7.66E-07	3.01E-07
3407	479863.09, 3848877.25	3.67E-03	5.78E-07	2.27E-07	3.74E-03	5.89E-07	2.32E-07	3.74E-03	5.89E-07	2.31E-07
3408	480363.09, 3848877.25	3.43E-03	5.40E-07	2.12E-07	3.50E-03	5.51E-07	2.16E-07	3.49E-03	5.50E-07	2.16E-07
3409	480863.09, 3848877.25	3.21E-03	5.06E-07	1.99E-07	3.28E-03	5.16E-07	2.03E-07	3.27E-03	5.16E-07	2.03E-07
3410	481363.09, 3848877.25	2.85E-03	4.49E-07	1.76E-07	2.91E-03	4.58E-07	1.80E-07	2.90E-03	4.58E-07	1.80E-07
3411	481863.09, 3848877.25	2.42E-03	3.82E-07	1.50E-07	2.47E-03	3.90E-07	1.53E-07	2.47E-03	3.89E-07	1.53E-07
3412	482363.09, 3848877.25	2.01E-03	3.16E-07	1.24E-07	2.05E-03	3.23E-07	1.27E-07	2.05E-03	3.22E-07	1.27E-07
3413	482863.09, 3848877.25	1.69E-03	2.67E-07	1.05E-07	1.73E-03	2.72E-07	1.07E-07	1.73E-03	2.72E-07	1.07E-07
3414	483363.09, 3848877.25	1.47E-03	2.31E-07	9.09E-08	1.50E-03	2.36E-07	9.28E-08	1.50E-03	2.36E-07	9.27E-08
3415	483863.09, 3848877.25	1.39E-03	2.19E-07	8.59E-08	1.42E-03	2.23E-07	8.77E-08	1.42E-03	2.23E-07	8.76E-08
3416	484363.09, 3848877.25	1.53E-03	2.42E-07	9.50E-08	1.57E-03	2.47E-07	9.69E-08	1.56E-03	2.46E-07	9.68E-08
3417	484863.09, 3848877.25	1.65E-03	2.59E-07	1.02E-07	1.68E-03	2.65E-07	1.04E-07	1.68E-03	2.64E-07	1.04E-07
3418	485363.09, 3848877.25	1.55E-03	2.45E-07	9.61E-08	1.59E-03	2.50E-07	9.81E-08	1.58E-03	2.49E-07	9.80E-08
3419	485863.09, 3848877.25	1.47E-03	2.31E-07	9.09E-08	1.50E-03	2.36E-07	9.27E-08	1.50E-03	2.36E-07	9.26E-08
3420	486363.09, 3848877.25	1.33E-03	2.10E-07	8.23E-08	1.36E-03	2.14E-07	8.40E-08	1.36E-03	2.14E-07	8.39E-08
3421	486863.09, 3848877.25	1.19E-03	1.87E-07	7.35E-08	1.21E-03	1.91E-07	7.50E-08	1.21E-03	1.91E-07	7.49E-08
3422	487363.09, 3848877.25	1.14E-03	1.80E-07	7.07E-08	1.17E-03	1.84E-07	7.21E-08	1.16E-03	1.83E-07	7.21E-08
3423	487863.09, 3848877.25	1.06E-03	1.67E-07	6.58E-08	1.08E-03	1.71E-07	6.71E-08	1.08E-03	1.71E-07	6.70E-08
3424	488363.09, 3848877.25	1.01E-03	1.59E-07	6.26E-08	1.03E-03	1.63E-07	6.39E-08	1.03E-03	1.62E-07	6.38E-08
3425	488863.09, 3848877.25	9.50E-04	1.50E-07	5.88E-08	9.69E-04	1.53E-07	6.00E-08	9.68E-04	1.53E-07	5.99E-08
3426	489363.09, 3848877.25	9.22E-04	1.45E-07	5.71E-08	9.41E-04	1.48E-07	5.82E-08	9.40E-04	1.48E-07	5.82E-08
3427	489863.09, 3848877.25	8.97E-04	1.41E-07	5.55E-08	9.15E-04	1.44E-07	5.66E-08	9.14E-04	1.44E-07	5.66E-08
3428	490363.09, 3848877.25	8.17E-04	1.29E-07	5.06E-08	8.34E-04	1.31E-07	5.16E-08	8.33E-04	1.31E-07	5.15E-08
3429	490863.09, 3848877.25	7.40E-04	1.17E-07	4.58E-08	7.56E-04	1.19E-07	4.68E-08	7.55E-04	1.19E-07	4.67E-08
3430	491363.09, 3848877.25	6.90E-04	1.09E-07	4.27E-08	7.04E-04	1.11E-07	4.35E-08	7.03E-04	1.11E-07	4.35E-08
3431	491863.09, 3848877.25	6.06E-04	9.55E-08	3.75E-08	6.18E-04	9.74E-08	3.83E-08	6.18E-04	9.73E-08	3.82E-08
3432	492363.09, 3848877.25	5.27E-04	8.30E-08	3.26E-08	5.38E-04	8.47E-08	3.33E-08	5.37E-04	8.46E-08	3.33E-08
3433	492863.09, 3848877.25	4.47E-04	7.04E-08	2.76E-08	4.56E-04	7.18E-08	2.82E-08	4.55E-04	7.17E-08	2.82E-08
3434	493363.09, 3848877.25	3.77E-04	5.93E-08	2.33E-08	3.84E-04	6.05E-08	2.38E-08	3.84E-04	6.05E-08	2.38E-08
3435	493863.09, 3848877.25	3.72E-04	5.85E-08	2.30E-08	3.79E-04	5.97E-08	2.35E-08	3.79E-04	5.97E-08	2.34E-08
3436	494363.09, 3848877.25	3.54E-04	5.57E-08	2.19E-08	3.61E-04	5.69E-08	2.23E-08	3.61E-04	5.68E-08	2.23E-08
3437	494863.09, 3848877.25	3.57E-04	5.63E-08	2.21E-08	3.65E-04	5.75E-08	2.26E-08	3.64E-04	5.74E-08	2.25E-08
3438	495363.09, 3848877.25	3.52E-04	5.55E-08	2.18E-08	3.60E-04	5.67E-08	2.23E-08	3.59E-04	5.66E-08	2.22E-08
3439	495863.09, 3848877.25	3.06E-04	4.81E-08	1.89E-08	3.12E-04	4.91E-08	1.93E-08	3.11E-04	4.91E-08	1.93E-08
3440	496363.09, 3848877.25	3.02E-04	4.75E-08	1.87E-08	3.08E-04	4.85E-08	1.91E-08	3.08E-04	4.84E-08	1.90E-08
3441	496863.09, 3848877.25	3.35E-04	5.28E-08	2.08E-08	3.42E-04	5.39E-08	2.12E-08	3.42E-04	5.38E-08	2.12E-08
3442	497363.09, 3848877.25	4.25E-04	6.69E-08	2.63E-08	4.34E-04	6.83E-08	2.68E-08	4.33E-04	6.82E-08	2.68E-08
3443	497863.09, 3848877.25	4.55E-04	7.17E-08	2.82E-08	4.65E-04	7.32E-08	2.88E-08	4.64E-04	7.31E-08	2.87E-08
3444	498363.09, 3848877.25	4.72E-04	7.43E-08	2.92E-08	4.81E-04	7.58E-08	2.98E-08	4.81E-04	7.57E-08	2.98E-08
3445	471363.09, 3849377.25	1.06E-03	1.67E-07	6.55E-08	1.08E-03	1.70E-07	6.68E-08	1.08E-03	1.70E-07	6.68E-08
3446	471863.09, 3849377.25	1.28E-03	2.01E-07	7.90E-08	1.30E-03	2.05E-07	8.06E-08	1.30E-03	2.05E-07	8.06E-08
3447	472363.09, 3849377.25	1.54E-03	2.42E-07	9.51E-08	1.57E-03	2.47E-07	9.70E-08	1.57E-03	2.47E-07	9.69E-08
3448	472863.09, 3849377.25	1.91E-03	3.00E-07	1.18E-07	1.94E-03	3.06E-07	1.20E-07	1.94E-03	3.06E-07	1.20E-07
3449	473363.09, 3849377.25	2.44E-03	3.85E-07	1.51E-07	2.49E-03	3.93E-07	1.54E-07	2.49E-03	3.92E-07	1.54E-07
3450	473863.09, 3849377.25	3.20E-03	5.04E-07	1.98E-07	3.26E-03	5.14E-07	2.02E-07	3.26E-03	5.13E-07	2.02E-07
3451	474363.09, 3849377.25	4.30E-03	6.78E-07	2.66E-07	4.39E-03	6.92E-07	2.72E-07	4.39E-03	6.91E-07	2.71E-07
3452	474863.09, 3849377.25	6.16E-03	9.71E-07	3.81E-07	6.29E-03	9.91E-07	3.89E-07	6.28E-03	9.90E-07	3.89E-07
3453	475363.09, 3849377.25	1.02E-02	1.61E-06	6.33E-07	1.04E-02	1.65E-06	6.46E-07	1.04E-02	1.64E-06	6.46E-07
3454	475863.09, 3849377.25	1.77E-02	2.79E-06	1.10E-06	1.81E-02	2.85E-06	1.12E-06	1.81E-02	2.85E-06	1.12E-06
3455	476363.09, 3849377.25	3.29E-02	5.19E-06	2.04E-06	3.36E-02	5.30E-06	2.08E-06	3.36E-02	5.29E-06	2.08E-06
3456	476863.09, 3849377.25	7.30E-02	1.15E-05	4.52E-06	7.45E-02	1.17E-05	4.61E-06	7.44E-02	1.17E-05	4.61E-06
3457	477363.09, 3849377.25	2.63E-02	4.14E-06	1.63E-06	2.68E-02	4.23E-06	1.66E-06	2.68E-02	4.22E-06	1.66E-06
3458	477863.09, 3849377.25	1.69E-02	2.67E-06	1.05E-06	1.73E-02	2.72E-06	1.07E-06	1.72E-02	2.72E-06	1.07E-06
3459	478363.09, 3849377.25	1.28E-02	2.01E-06	7.90E-07	1.30E-02	2.05E-06	8.06E-07	1.30E-02	2.05E-06	8.05E-07
3460	478863.09, 3849377.25	9.49E-03	1.50E-06	5.87E-07	9.68E-03	1.53E-06	5.99E-07	9.67E-03	1.52E-06	5.99E-07
3461	479363.09, 3849377.25	7.58E-03	1.19E-06	4.69E-07	7.73E-03	1.22E-06	4.79E-07	7.72E-03	1.22E-06	4.78E-07

3462	479863.09, 3849377.25	5.60E-03	8.82E-07	3.47E-07	5.72E-03	9.00E-07	3.54E-07	5.71E-03	8.99E-07	3.53E-07
3463	480363.09, 3849377.25	5.42E-03	8.53E-07	3.35E-07	5.53E-03	8.71E-07	3.42E-07	5.52E-03	8.70E-07	3.42E-07
3464	480863.09, 3849377.25	4.60E-03	7.24E-07	2.85E-07	4.69E-03	7.39E-07	2.90E-07	4.69E-03	7.38E-07	2.90E-07
3465	481363.09, 3849377.25	3.66E-03	5.77E-07	2.27E-07	3.74E-03	5.89E-07	2.31E-07	3.73E-03	5.88E-07	2.31E-07
3466	481863.09, 3849377.25	2.71E-03	4.26E-07	1.67E-07	2.76E-03	4.35E-07	1.71E-07	2.76E-03	4.35E-07	1.71E-07
3467	482363.09, 3849377.25	2.29E-03	3.61E-07	1.42E-07	2.34E-03	3.69E-07	1.45E-07	2.34E-03	3.68E-07	1.45E-07
3468	482863.09, 3849377.25	1.86E-03	2.94E-07	1.15E-07	1.90E-03	3.00E-07	1.18E-07	1.90E-03	2.99E-07	1.18E-07
3469	483363.09, 3849377.25	1.64E-03	2.58E-07	1.01E-07	1.67E-03	2.64E-07	1.04E-07	1.67E-03	2.63E-07	1.03E-07
3470	483863.09, 3849377.25	1.36E-03	2.14E-07	8.40E-08	1.38E-03	2.18E-07	8.57E-08	1.38E-03	2.18E-07	8.56E-08
3471	484363.09, 3849377.25	1.81E-03	2.86E-07	1.12E-07	1.85E-03	2.91E-07	1.14E-07	1.85E-03	2.91E-07	1.14E-07
3472	484863.09, 3849377.25	2.00E-03	3.15E-07	1.24E-07	2.04E-03	3.21E-07	1.26E-07	2.04E-03	3.21E-07	1.26E-07
3473	485363.09, 3849377.25	1.89E-03	2.97E-07	1.17E-07	1.92E-03	3.03E-07	1.19E-07	1.92E-03	3.03E-07	1.19E-07
3474	485863.09, 3849377.25	1.52E-03	2.40E-07	9.42E-08	1.55E-03	2.45E-07	9.62E-08	1.55E-03	2.44E-07	9.60E-08
3475	486363.09, 3849377.25	1.24E-03	1.96E-07	7.70E-08	1.27E-03	2.00E-07	7.85E-08	1.27E-03	2.00E-07	7.84E-08
3476	486863.09, 3849377.25	1.38E-03	2.17E-07	8.53E-08	1.41E-03	2.21E-07	8.70E-08	1.40E-03	2.21E-07	8.69E-08
3477	487363.09, 3849377.25	1.35E-03	2.13E-07	8.36E-08	1.38E-03	2.17E-07	8.53E-08	1.38E-03	2.17E-07	8.52E-08
3478	487863.09, 3849377.25	1.26E-03	1.99E-07	7.81E-08	1.29E-03	2.03E-07	7.97E-08	1.29E-03	2.03E-07	7.96E-08
3479	488363.09, 3849377.25	1.19E-03	1.87E-07	7.34E-08	1.21E-03	1.91E-07	7.49E-08	1.21E-03	1.91E-07	7.48E-08
3480	488863.09, 3849377.25	1.13E-03	1.78E-07	6.99E-08	1.15E-03	1.82E-07	7.13E-08	1.15E-03	1.81E-07	7.12E-08
3481	489363.09, 3849377.25	1.07E-03	1.69E-07	6.65E-08	1.10E-03	1.73E-07	6.78E-08	1.09E-03	1.72E-07	6.78E-08
3482	489863.09, 3849377.25	1.00E-03	1.58E-07	6.21E-08	1.02E-03	1.61E-07	6.34E-08	1.02E-03	1.61E-07	6.33E-08
3483	490363.09, 3849377.25	9.02E-04	1.42E-07	5.58E-08	9.21E-04	1.45E-07	5.70E-08	9.20E-04	1.45E-07	5.69E-08
3484	490863.09, 3849377.25	8.23E-04	1.30E-07	5.09E-08	8.40E-04	1.32E-07	5.20E-08	8.39E-04	1.32E-07	5.19E-08
3485	491363.09, 3849377.25	7.56E-04	1.19E-07	4.68E-08	7.71E-04	1.21E-07	4.77E-08	7.70E-04	1.21E-07	4.77E-08
3486	491863.09, 3849377.25	6.59E-04	1.04E-07	4.08E-08	6.72E-04	1.06E-07	4.16E-08	6.71E-04	1.06E-07	4.15E-08
3487	492363.09, 3849377.25	5.72E-04	9.01E-08	3.54E-08	5.83E-04	9.19E-08	3.61E-08	5.83E-04	9.18E-08	3.61E-08
3488	492863.09, 3849377.25	4.61E-04	7.26E-08	2.85E-08	4.71E-04	7.41E-08	2.91E-08	4.70E-04	7.40E-08	2.91E-08
3489	493363.09, 3849377.25	4.14E-04	6.52E-08	2.56E-08	4.22E-04	6.65E-08	2.61E-08	4.22E-04	6.64E-08	2.61E-08
3490	493863.09, 3849377.25	3.85E-04	6.07E-08	2.39E-08	3.93E-04	6.20E-08	2.43E-08	3.93E-04	6.19E-08	2.43E-08
3491	494363.09, 3849377.25	3.84E-04	6.05E-08	2.38E-08	3.92E-04	6.18E-08	2.43E-08	3.92E-04	6.17E-08	2.42E-08
3492	494863.09, 3849377.25	4.33E-04	6.83E-08	2.68E-08	4.42E-04	6.97E-08	2.74E-08	4.42E-04	6.96E-08	2.73E-08
3493	495363.09, 3849377.25	4.37E-04	6.89E-08	2.71E-08	4.46E-04	7.03E-08	2.76E-08	4.46E-04	7.02E-08	2.76E-08
3494	495863.09, 3849377.25	3.15E-04	4.96E-08	1.95E-08	3.21E-04	5.06E-08	1.99E-08	3.21E-04	5.05E-08	1.99E-08
3495	496363.09, 3849377.25	2.91E-04	4.59E-08	1.80E-08	2.97E-04	4.68E-08	1.84E-08	2.97E-04	4.67E-08	1.84E-08
3496	496863.09, 3849377.25	4.02E-04	6.33E-08	2.49E-08	4.10E-04	6.46E-08	2.54E-08	4.09E-04	6.45E-08	2.53E-08
3497	497363.09, 3849377.25	4.25E-04	6.70E-08	2.63E-08	4.34E-04	6.84E-08	2.69E-08	4.34E-04	6.83E-08	2.68E-08
3498	497863.09, 3849377.25	5.35E-04	8.43E-08	3.31E-08	5.46E-04	8.60E-08	3.38E-08	5.45E-04	8.59E-08	3.37E-08
3499	498363.09, 3849377.25	4.97E-04	7.83E-08	3.08E-08	5.07E-04	7.99E-08	3.14E-08	5.07E-04	7.98E-08	3.14E-08
3500	471363.09, 3849877.25	8.30E-04	1.31E-07	5.14E-08	8.47E-04	1.33E-07	5.24E-08	8.46E-04	1.33E-07	5.23E-08
3501	471863.09, 3849877.25	1.12E-03	1.77E-07	6.96E-08	1.15E-03	1.81E-07	7.10E-08	1.15E-03	1.81E-07	7.09E-08
3502	472363.09, 3849877.25	1.40E-03	2.21E-07	8.67E-08	1.43E-03	2.25E-07	8.85E-08	1.43E-03	2.25E-07	8.84E-08
3503	472863.09, 3849877.25	1.69E-03	2.67E-07	1.05E-07	1.73E-03	2.72E-07	1.07E-07	1.72E-03	2.72E-07	1.07E-07
3504	473363.09, 3849877.25	2.06E-03	3.25E-07	1.28E-07	2.11E-03	3.32E-07	1.30E-07	2.10E-03	3.31E-07	1.30E-07
3505	473863.09, 3849877.25	2.54E-03	3.99E-07	1.57E-07	2.59E-03	4.08E-07	1.60E-07	2.58E-03	4.07E-07	1.60E-07
3506	474363.09, 3849877.25	3.12E-03	4.92E-07	1.93E-07	3.19E-03	5.02E-07	1.97E-07	3.18E-03	5.01E-07	1.97E-07
3507	474863.09, 3849877.25	3.87E-03	6.09E-07	2.39E-07	3.94E-03	6.21E-07	2.44E-07	3.94E-03	6.21E-07	2.44E-07
3508	475363.09, 3849877.25	4.86E-03	7.66E-07	3.01E-07	4.96E-03	7.81E-07	3.07E-07	4.95E-03	7.80E-07	3.07E-07
3509	475863.09, 3849877.25	6.17E-03	9.73E-07	3.82E-07	6.30E-03	9.93E-07	3.90E-07	6.29E-03	9.91E-07	3.89E-07
3510	476363.09, 3849877.25	8.07E-03	1.27E-06	4.99E-07	8.23E-03	1.30E-06	5.09E-07	8.22E-03	1.29E-06	5.09E-07
3511	476863.09, 3849877.25	1.14E-02	1.80E-06	7.08E-07	1.17E-02	1.84E-06	7.22E-07	1.17E-02	1.84E-06	7.21E-07
3512	477363.09, 3849877.25	2.15E-02	3.39E-06	1.33E-06	2.20E-02	3.46E-06	1.36E-06	2.19E-02	3.46E-06	1.36E-06
3513	477863.09, 3849877.25	7.94E-02	1.25E-05	4.91E-06	8.10E-02	1.28E-05	5.02E-06	8.09E-02	1.28E-05	5.01E-06
3514	478363.09, 3849877.25	2.87E-02	4.52E-06	1.78E-06	2.93E-02	4.61E-06	1.81E-06	2.92E-02	4.61E-06	1.81E-06
3515	478863.09, 3849877.25	1.85E-02	2.92E-06	1.15E-06	1.89E-02	2.98E-06	1.17E-06	1.89E-02	2.98E-06	1.17E-06
3516	479363.09, 3849877.25	1.29E-02	2.03E-06	7.97E-07	1.31E-02	2.07E-06	8.14E-07	1.31E-02	2.07E-06	8.13E-07
3517	479863.09, 3849877.25	1.03E-02	1.62E-06	6.36E-07	1.05E-02	1.65E-06	6.49E-07	1.05E-02	1.65E-06	6.49E-07
3518	480363.09, 3849877.25	7.53E-03	1.19E-06	4.66E-07	7.69E-03	1.21E-06	4.76E-07	7.68E-03	1.21E-06	4.75E-07
3519	480863.09, 3849877.25	5.82E-03	9.17E-07	3.60E-07	5.94E-03	9.36E-07	3.68E-07	5.93E-03	9.34E-07	3.67E-07
3520	481363.09, 3849877.25	4.79E-03	7.54E-07	2.96E-07	4.88E-03	7.69E-07	3.02E-07	4.88E-03	7.68E-07	3.02E-07
3521	481863.09, 3849877.25	3.25E-03	5.12E-07	2.01E-07	3.32E-03	5.23E-07	2.05E-07	3.31E-03	5.22E-07	2.05E-07
3522	482363.09, 3849877.25	2.61E-03	4.10E-07	1.61E-07	2.66E-03	4.19E-07	1.65E-07	2.66E-03	4.18E-07	1.64E-07
3523	482863.09, 3849877.25	2.17E-03	3.42E-07	1.34E-07	2.22E-03	3.49E-07	1.37E-07	2.21E-03	3.49E-07	1.37E-07
3524	483363.09, 3849877.25	1.81E-03	2.85E-07	1.12E-07	1.84E-03	2.91E-07	1.14E-07	1.84E-03	2.90E-07	1.14E-07

3525	483863.09, 3849877.25	1.71E-03	2.69E-07	1.06E-07	1.74E-03	2.74E-07	1.08E-07	1.74E-03	2.74E-07	1.08E-07
3526	484363.09, 3849877.25	2.11E-03	3.32E-07	1.31E-07	2.15E-03	3.39E-07	1.33E-07	2.15E-03	3.39E-07	1.33E-07
3527	484863.09, 3849877.25	2.44E-03	3.84E-07	1.51E-07	2.49E-03	3.92E-07	1.54E-07	2.48E-03	3.91E-07	1.54E-07
3528	485363.09, 3849877.25	2.19E-03	3.46E-07	1.36E-07	2.24E-03	3.53E-07	1.39E-07	2.24E-03	3.52E-07	1.38E-07
3529	485863.09, 3849877.25	1.86E-03	2.94E-07	1.15E-07	1.90E-03	3.00E-07	1.18E-07	1.90E-03	2.99E-07	1.18E-07
3530	486363.09, 3849877.25	1.67E-03	2.63E-07	1.04E-07	1.71E-03	2.69E-07	1.06E-07	1.70E-03	2.69E-07	1.05E-07
3531	486863.09, 3849877.25	1.70E-03	2.67E-07	1.05E-07	1.73E-03	2.73E-07	1.07E-07	1.73E-03	2.72E-07	1.07E-07
3532	487363.09, 3849877.25	1.60E-03	2.52E-07	9.89E-08	1.63E-03	2.57E-07	1.01E-07	1.63E-03	2.57E-07	1.01E-07
3533	487863.09, 3849877.25	1.48E-03	2.33E-07	9.17E-08	1.51E-03	2.38E-07	9.35E-08	1.51E-03	2.38E-07	9.34E-08
3534	488363.09, 3849877.25	1.39E-03	2.18E-07	8.58E-08	1.41E-03	2.23E-07	8.75E-08	1.41E-03	2.23E-07	8.74E-08
3535	488863.09, 3849877.25	1.31E-03	2.06E-07	8.08E-08	1.33E-03	2.10E-07	8.25E-08	1.33E-03	2.10E-07	8.24E-08
3536	489363.09, 3849877.25	1.22E-03	1.92E-07	7.53E-08	1.24E-03	1.96E-07	7.68E-08	1.24E-03	1.95E-07	7.67E-08
3537	489863.09, 3849877.25	1.11E-03	1.75E-07	6.88E-08	1.13E-03	1.79E-07	7.02E-08	1.13E-03	1.78E-07	7.01E-08
3538	490363.09, 3849877.25	9.98E-04	1.57E-07	6.18E-08	1.02E-03	1.60E-07	6.30E-08	1.02E-03	1.60E-07	6.30E-08
3539	490863.09, 3849877.25	9.15E-04	1.44E-07	5.66E-08	9.34E-04	1.47E-07	5.78E-08	9.33E-04	1.47E-07	5.77E-08
3540	491363.09, 3849877.25	8.34E-04	1.31E-07	5.16E-08	8.51E-04	1.34E-07	5.27E-08	8.50E-04	1.34E-07	5.26E-08
3541	491863.09, 3849877.25	7.28E-04	1.15E-07	4.50E-08	7.43E-04	1.17E-07	4.60E-08	7.42E-04	1.17E-07	4.59E-08
3542	492363.09, 3849877.25	6.39E-04	1.01E-07	3.96E-08	6.52E-04	1.03E-07	4.04E-08	6.51E-04	1.03E-07	4.03E-08
3543	492863.09, 3849877.25	5.38E-04	8.48E-08	3.33E-08	5.49E-04	8.65E-08	3.40E-08	5.49E-04	8.64E-08	3.40E-08
3544	493363.09, 3849877.25	4.54E-04	7.16E-08	2.81E-08	4.64E-04	7.30E-08	2.87E-08	4.63E-04	7.30E-08	2.87E-08
3545	493863.09, 3849877.25	4.03E-04	6.35E-08	2.49E-08	4.11E-04	6.48E-08	2.55E-08	4.11E-04	6.47E-08	2.54E-08
3546	494363.09, 3849877.25	4.82E-04	7.59E-08	2.98E-08	4.92E-04	7.74E-08	3.04E-08	4.91E-04	7.74E-08	3.04E-08
3547	494863.09, 3849877.25	5.25E-04	8.27E-08	3.25E-08	5.36E-04	8.44E-08	3.32E-08	5.35E-04	8.43E-08	3.31E-08
3548	495363.09, 3849877.25	4.27E-04	6.73E-08	2.64E-08	4.36E-04	6.86E-08	2.70E-08	4.35E-04	6.86E-08	2.69E-08
3549	495863.09, 3849877.25	4.78E-04	7.53E-08	2.96E-08	4.88E-04	7.68E-08	3.02E-08	4.87E-04	7.67E-08	3.01E-08
3550	496363.09, 3849877.25	4.81E-04	7.58E-08	2.98E-08	4.91E-04	7.74E-08	3.04E-08	4.91E-04	7.73E-08	3.04E-08
3551	496863.09, 3849877.25	4.77E-04	7.52E-08	2.95E-08	4.87E-04	7.67E-08	3.01E-08	4.87E-04	7.66E-08	3.01E-08
3552	497363.09, 3849877.25	5.47E-04	8.62E-08	3.39E-08	5.59E-04	8.80E-08	3.46E-08	5.58E-04	8.79E-08	3.45E-08
3553	497863.09, 3849877.25	5.56E-04	8.75E-08	3.44E-08	5.67E-04	8.93E-08	3.51E-08	5.66E-04	8.92E-08	3.51E-08
3554	498363.09, 3849877.25	5.17E-04	8.14E-08	3.20E-08	5.27E-04	8.30E-08	3.26E-08	5.26E-04	8.29E-08	3.26E-08
3555	471363.09, 3850377.25	4.38E-04	6.89E-08	2.71E-08	4.47E-04	7.03E-08	2.76E-08	4.46E-04	7.03E-08	2.76E-08
3556	471863.09, 3850377.25	8.31E-04	1.31E-07	5.14E-08	8.48E-04	1.34E-07	5.25E-08	8.47E-04	1.33E-07	5.24E-08
3557	472363.09, 3850377.25	1.11E-03	1.75E-07	6.86E-08	1.13E-03	1.78E-07	7.00E-08	1.13E-03	1.78E-07	6.99E-08
3558	472863.09, 3850377.25	1.49E-03	2.34E-07	9.20E-08	1.52E-03	2.39E-07	9.39E-08	1.52E-03	2.39E-07	9.38E-08
3559	473363.09, 3850377.25	1.76E-03	2.77E-07	1.09E-07	1.79E-03	2.83E-07	1.11E-07	1.79E-03	2.82E-07	1.11E-07
3560	473863.09, 3850377.25	2.07E-03	3.26E-07	1.28E-07	2.11E-03	3.33E-07	1.31E-07	2.11E-03	3.32E-07	1.31E-07
3561	474363.09, 3850377.25	2.40E-03	3.79E-07	1.49E-07	2.45E-03	3.86E-07	1.52E-07	2.45E-03	3.86E-07	1.52E-07
3562	474863.09, 3850377.25	2.81E-03	4.43E-07	1.74E-07	2.87E-03	4.52E-07	1.78E-07	2.87E-03	4.52E-07	1.77E-07
3563	475363.09, 3850377.25	3.28E-03	5.17E-07	2.03E-07	3.35E-03	5.28E-07	2.07E-07	3.35E-03	5.27E-07	2.07E-07
3564	475863.09, 3850377.25	3.90E-03	6.15E-07	2.41E-07	3.98E-03	6.27E-07	2.46E-07	3.98E-03	6.26E-07	2.46E-07
3565	476363.09, 3850377.25	4.76E-03	7.50E-07	2.94E-07	4.86E-03	7.65E-07	3.00E-07	4.85E-03	7.64E-07	3.00E-07
3566	476863.09, 3850377.25	5.90E-03	9.29E-07	3.65E-07	6.02E-03	9.48E-07	3.73E-07	6.01E-03	9.47E-07	3.72E-07
3567	477363.09, 3850377.25	7.51E-03	1.18E-06	4.65E-07	7.67E-03	1.21E-06	4.74E-07	7.66E-03	1.21E-06	4.74E-07
3568	477863.09, 3850377.25	1.08E-02	1.71E-06	6.70E-07	1.11E-02	1.74E-06	6.84E-07	1.10E-02	1.74E-06	6.83E-07
3569	478363.09, 3850377.25	2.14E-02	3.36E-06	1.32E-06	2.18E-02	3.43E-06	1.35E-06	2.18E-02	3.43E-06	1.35E-06
3570	478863.09, 3850377.25	8.73E-02	1.38E-05	5.40E-06	8.91E-02	1.40E-05	5.52E-06	8.90E-02	1.40E-05	5.51E-06
3571	479363.09, 3850377.25	3.02E-02	4.75E-06	1.87E-06	3.08E-02	4.85E-06	1.90E-06	3.07E-02	4.84E-06	1.90E-06
3572	479863.09, 3850377.25	1.80E-02	2.84E-06	1.12E-06	1.84E-02	2.90E-06	1.14E-06	1.84E-02	2.89E-06	1.14E-06
3573	480363.09, 3850377.25	1.26E-02	1.98E-06	7.77E-07	1.28E-02	2.02E-06	7.93E-07	1.28E-02	2.02E-06	7.92E-07
3574	480863.09, 3850377.25	1.00E-02	1.58E-06	6.20E-07	1.02E-02	1.61E-06	6.33E-07	1.02E-02	1.61E-06	6.32E-07
3575	481363.09, 3850377.25	6.30E-03	9.93E-07	3.90E-07	6.43E-03	1.01E-06	3.98E-07	6.43E-03	1.01E-06	3.98E-07
3576	481863.09, 3850377.25	5.32E-03	8.38E-07	3.29E-07	5.43E-03	8.55E-07	3.36E-07	5.42E-03	8.54E-07	3.36E-07
3577	482363.09, 3850377.25	4.49E-03	7.08E-07	2.78E-07	4.58E-03	7.22E-07	2.84E-07	4.58E-03	7.21E-07	2.83E-07
3578	482863.09, 3850377.25	3.22E-03	5.08E-07	2.00E-07	3.29E-03	5.18E-07	2.04E-07	3.29E-03	5.18E-07	2.03E-07
3579	483363.09, 3850377.25	2.55E-03	4.01E-07	1.58E-07	2.60E-03	4.09E-07	1.61E-07	2.60E-03	4.09E-07	1.61E-07
3580	483863.09, 3850377.25	2.56E-03	4.03E-07	1.58E-07	2.61E-03	4.11E-07	1.61E-07	2.61E-03	4.10E-07	1.61E-07
3581	484363.09, 3850377.25	2.74E-03	4.31E-07	1.69E-07	2.79E-03	4.40E-07	1.73E-07	2.79E-03	4.39E-07	1.73E-07
3582	484863.09, 3850377.25	2.86E-03	4.51E-07	1.77E-07	2.92E-03	4.60E-07	1.81E-07	2.92E-03	4.59E-07	1.80E-07
3583	485363.09, 3850377.25	2.65E-03	4.17E-07	1.64E-07	2.70E-03	4.26E-07	1.67E-07	2.70E-03	4.25E-07	1.67E-07
3584	485863.09, 3850377.25	2.33E-03	3.67E-07	1.44E-07	2.38E-03	3.75E-07	1.47E-07	2.38E-03	3.74E-07	1.47E-07
3585	486363.09, 3850377.25	2.17E-03	3.41E-07	1.34E-07	2.21E-03	3.48E-07	1.37E-07	2.21E-03	3.48E-07	1.37E-07
3586	486863.09, 3850377.25	2.02E-03	3.19E-07	1.25E-07	2.06E-03	3.25E-07	1.28E-07	2.06E-03	3.25E-07	1.28E-07
3587	487363.09, 3850377.25	1.83E-03	2.88E-07	1.13E-07	1.87E-03	2.94E-07	1.16E-07	1.87E-03	2.94E-07	1.15E-07

3588	487863.09, 3850377.25	1.71E-03	2.69E-07	1.06E-07	1.74E-03	2.75E-07	1.08E-07	1.74E-03	2.74E-07	1.08E-07
3589	488363.09, 3850377.25	1.58E-03	2.49E-07	9.77E-08	1.61E-03	2.54E-07	9.97E-08	1.61E-03	2.53E-07	9.96E-08
3590	488863.09, 3850377.25	1.47E-03	2.31E-07	9.07E-08	1.50E-03	2.36E-07	9.26E-08	1.49E-03	2.35E-07	9.25E-08
3591	489363.09, 3850377.25	1.35E-03	2.13E-07	8.36E-08	1.38E-03	2.17E-07	8.54E-08	1.38E-03	2.17E-07	8.53E-08
3592	489863.09, 3850377.25	1.22E-03	1.92E-07	7.54E-08	1.24E-03	1.96E-07	7.69E-08	1.24E-03	1.96E-07	7.68E-08
3593	490363.09, 3850377.25	1.10E-03	1.74E-07	6.82E-08	1.13E-03	1.77E-07	6.96E-08	1.12E-03	1.77E-07	6.96E-08
3594	490863.09, 3850377.25	1.01E-03	1.58E-07	6.23E-08	1.03E-03	1.62E-07	6.35E-08	1.03E-03	1.62E-07	6.35E-08
3595	491363.09, 3850377.25	9.12E-04	1.44E-07	5.64E-08	9.30E-04	1.47E-07	5.76E-08	9.29E-04	1.46E-07	5.75E-08
3596	491863.09, 3850377.25	7.92E-04	1.25E-07	4.90E-08	8.08E-04	1.27E-07	5.00E-08	8.07E-04	1.27E-07	5.00E-08
3597	492363.09, 3850377.25	6.75E-04	1.06E-07	4.18E-08	6.89E-04	1.09E-07	4.27E-08	6.88E-04	1.08E-07	4.26E-08
3598	492863.09, 3850377.25	5.98E-04	9.42E-08	3.70E-08	6.10E-04	9.61E-08	3.78E-08	6.09E-04	9.60E-08	3.77E-08
3599	493363.09, 3850377.25	5.11E-04	8.05E-08	3.16E-08	5.22E-04	8.22E-08	3.23E-08	5.21E-04	8.21E-08	3.22E-08
3600	493863.09, 3850377.25	5.29E-04	8.33E-08	3.27E-08	5.39E-04	8.50E-08	3.34E-08	5.39E-04	8.49E-08	3.33E-08
3601	494363.09, 3850377.25	5.33E-04	8.40E-08	3.30E-08	5.44E-04	8.57E-08	3.37E-08	5.44E-04	8.56E-08	3.36E-08
3602	494863.09, 3850377.25	5.66E-04	8.92E-08	3.51E-08	5.78E-04	9.10E-08	3.58E-08	5.77E-04	9.09E-08	3.57E-08
3603	495363.09, 3850377.25	6.08E-04	9.57E-08	3.76E-08	6.20E-04	9.77E-08	3.84E-08	6.19E-04	9.76E-08	3.83E-08
3604	495863.09, 3850377.25	5.46E-04	8.60E-08	3.38E-08	5.57E-04	8.77E-08	3.45E-08	5.56E-04	8.76E-08	3.44E-08
3605	496363.09, 3850377.25	5.83E-04	9.18E-08	3.61E-08	5.94E-04	9.36E-08	3.68E-08	5.94E-04	9.35E-08	3.67E-08
3606	496863.09, 3850377.25	6.08E-04	9.59E-08	3.77E-08	6.21E-04	9.78E-08	3.84E-08	6.20E-04	9.77E-08	3.84E-08
3607	497363.09, 3850377.25	6.02E-04	9.48E-08	3.73E-08	6.14E-04	9.68E-08	3.80E-08	6.14E-04	9.67E-08	3.80E-08
3608	497863.09, 3850377.25	5.72E-04	9.01E-08	3.54E-08	5.84E-04	9.19E-08	3.61E-08	5.83E-04	9.18E-08	3.61E-08
3609	498363.09, 3850377.25	5.43E-04	8.55E-08	3.36E-08	5.54E-04	8.73E-08	3.43E-08	5.53E-04	8.71E-08	3.42E-08
3610	471363.09, 3850877.25	5.37E-04	8.45E-08	3.32E-08	5.48E-04	8.63E-08	3.39E-08	5.47E-04	8.62E-08	3.38E-08
3611	471863.09, 3850877.25	7.13E-04	1.12E-07	4.41E-08	7.28E-04	1.15E-07	4.51E-08	7.27E-04	1.15E-07	4.50E-08
3612	472363.09, 3850877.25	9.85E-04	1.55E-07	6.09E-08	1.00E-03	1.58E-07	6.22E-08	1.00E-03	1.58E-07	6.21E-08
3613	472863.09, 3850877.25	1.25E-03	1.97E-07	7.74E-08	1.28E-03	2.01E-07	7.89E-08	1.27E-03	2.01E-07	7.88E-08
3614	473363.09, 3850877.25	1.34E-03	2.12E-07	8.31E-08	1.37E-03	2.16E-07	8.48E-08	1.37E-03	2.16E-07	8.47E-08
3615	473863.09, 3850877.25	1.67E-03	2.63E-07	1.03E-07	1.71E-03	2.69E-07	1.06E-07	1.70E-03	2.68E-07	1.05E-07
3616	474363.09, 3850877.25	1.96E-03	3.08E-07	1.21E-07	2.00E-03	3.15E-07	1.24E-07	1.99E-03	3.14E-07	1.23E-07
3617	474863.09, 3850877.25	2.22E-03	3.50E-07	1.38E-07	2.27E-03	3.57E-07	1.40E-07	2.26E-03	3.57E-07	1.40E-07
3618	475363.09, 3850877.25	2.52E-03	3.97E-07	1.56E-07	2.57E-03	4.06E-07	1.59E-07	2.57E-03	4.05E-07	1.59E-07
3619	475863.09, 3850877.25	2.87E-03	4.53E-07	1.78E-07	2.93E-03	4.62E-07	1.81E-07	2.93E-03	4.61E-07	1.81E-07
3620	476363.09, 3850877.25	3.33E-03	5.25E-07	2.06E-07	3.40E-03	5.36E-07	2.10E-07	3.40E-03	5.35E-07	2.10E-07
3621	476863.09, 3850877.25	3.93E-03	6.19E-07	2.43E-07	4.01E-03	6.31E-07	2.48E-07	4.00E-03	6.30E-07	2.48E-07
3622	477363.09, 3850877.25	4.68E-03	7.38E-07	2.90E-07	4.78E-03	7.53E-07	2.96E-07	4.77E-03	7.52E-07	2.95E-07
3623	477863.09, 3850877.25	5.67E-03	8.94E-07	3.51E-07	5.79E-03	9.12E-07	3.58E-07	5.78E-03	9.11E-07	3.58E-07
3624	478363.09, 3850877.25	7.36E-03	1.16E-06	4.56E-07	7.51E-03	1.18E-06	4.65E-07	7.50E-03	1.18E-06	4.64E-07
3625	478863.09, 3850877.25	1.04E-02	1.63E-06	6.42E-07	1.06E-02	1.67E-06	6.55E-07	1.06E-02	1.67E-06	6.54E-07
3626	479363.09, 3850877.25	1.88E-02	2.97E-06	1.17E-06	1.92E-02	3.03E-06	1.19E-06	1.92E-02	3.03E-06	1.19E-06
3627	479863.09, 3850877.25	1.09E-01	1.71E-05	6.73E-06	1.11E-01	1.75E-05	6.87E-06	1.11E-01	1.75E-05	6.86E-06
3628	480363.09, 3850877.25	3.14E-02	4.94E-06	1.94E-06	3.20E-02	5.04E-06	1.98E-06	3.20E-02	5.04E-06	1.98E-06
3629	480863.09, 3850877.25	1.85E-02	2.91E-06	1.14E-06	1.89E-02	2.97E-06	1.17E-06	1.89E-02	2.97E-06	1.17E-06
3630	481363.09, 3850877.25	1.27E-02	2.00E-06	7.87E-07	1.30E-02	2.05E-06	8.03E-07	1.30E-02	2.04E-06	8.03E-07
3631	481863.09, 3850877.25	8.97E-03	1.41E-06	5.55E-07	9.15E-03	1.44E-06	5.66E-07	9.14E-03	1.44E-06	5.66E-07
3632	482363.09, 3850877.25	6.25E-03	9.84E-07	3.87E-07	6.38E-03	1.00E-06	3.95E-07	6.37E-03	1.00E-06	3.94E-07
3633	482863.09, 3850877.25	4.87E-03	7.67E-07	3.01E-07	4.97E-03	7.83E-07	3.08E-07	4.96E-03	7.82E-07	3.07E-07
3634	483363.09, 3850877.25	3.75E-03	5.91E-07	2.32E-07	3.83E-03	6.03E-07	2.37E-07	3.82E-03	6.03E-07	2.37E-07
3635	483863.09, 3850877.25	3.39E-03	5.35E-07	2.10E-07	3.46E-03	5.45E-07	2.14E-07	3.46E-03	5.45E-07	2.14E-07
3636	484363.09, 3850877.25	3.47E-03	5.47E-07	2.15E-07	3.54E-03	5.58E-07	2.19E-07	3.54E-03	5.57E-07	2.19E-07
3637	484863.09, 3850877.25	3.22E-03	5.08E-07	1.99E-07	3.29E-03	5.18E-07	2.04E-07	3.29E-03	5.18E-07	2.03E-07
3638	485363.09, 3850877.25	3.05E-03	4.80E-07	1.89E-07	3.11E-03	4.90E-07	1.93E-07	3.11E-03	4.90E-07	1.92E-07
3639	485863.09, 3850877.25	2.62E-03	4.13E-07	1.62E-07	2.67E-03	4.21E-07	1.66E-07	2.67E-03	4.21E-07	1.65E-07
3640	486363.09, 3850877.25	2.50E-03	3.94E-07	1.55E-07	2.55E-03	4.02E-07	1.58E-07	2.55E-03	4.02E-07	1.58E-07
3641	486863.09, 3850877.25	2.30E-03	3.62E-07	1.42E-07	2.34E-03	3.69E-07	1.45E-07	2.34E-03	3.69E-07	1.45E-07
3642	487363.09, 3850877.25	2.06E-03	3.24E-07	1.27E-07	2.10E-03	3.31E-07	1.30E-07	2.10E-03	3.30E-07	1.30E-07
3643	487863.09, 3850877.25	1.89E-03	2.98E-07	1.17E-07	1.93E-03	3.04E-07	1.20E-07	1.93E-03	3.04E-07	1.19E-07
3644	488363.09, 3850877.25	1.75E-03	2.75E-07	1.08E-07	1.78E-03	2.81E-07	1.10E-07	1.78E-03	2.81E-07	1.10E-07
3645	488863.09, 3850877.25	1.60E-03	2.52E-07	9.90E-08	1.63E-03	2.57E-07	1.01E-07	1.63E-03	2.57E-07	1.01E-07
3646	489363.09, 3850877.25	1.47E-03	2.31E-07	9.09E-08	1.50E-03	2.36E-07	9.28E-08	1.50E-03	2.36E-07	9.27E-08
3647	489863.09, 3850877.25	1.33E-03	2.10E-07	8.25E-08	1.36E-03	2.14E-07	8.41E-08	1.36E-03	2.14E-07	8.40E-08
3648	490363.09, 3850877.25	1.22E-03	1.92E-07	7.56E-08	1.25E-03	1.96E-07	7.71E-08	1.24E-03	1.96E-07	7.70E-08
3649	490863.09, 3850877.25	1.11E-03	1.75E-07	6.88E-08	1.13E-03	1.79E-07	7.02E-08	1.13E-03	1.78E-07	7.01E-08
3650	491363.09, 3850877.25	9.88E-04	1.56E-07	6.12E-08	1.01E-03	1.59E-07	6.24E-08	1.01E-03	1.59E-07	6.23E-08

3651 491863.09, 3850877.25	8.68E-04	1.37E-07	5.37E-08	8.86E-04	1.40E-07	5.48E-08	8.85E-04	1.39E-07	5.48E-08
3652 492363.09, 3850877.25	7.64E-04	1.20E-07	4.73E-08	7.80E-04	1.23E-07	4.83E-08	7.79E-04	1.23E-07	4.82E-08
3653 492863.09, 3850877.25	6.85E-04	1.08E-07	4.24E-08	6.99E-04	1.10E-07	4.33E-08	6.99E-04	1.10E-07	4.32E-08
3654 493363.09, 3850877.25	6.36E-04	1.00E-07	3.94E-08	6.49E-04	1.02E-07	4.02E-08	6.48E-04	1.02E-07	4.01E-08
3655 493863.09, 3850877.25	6.52E-04	1.03E-07	4.03E-08	6.65E-04	1.05E-07	4.12E-08	6.64E-04	1.05E-07	4.11E-08
3656 494363.09, 3850877.25	6.33E-04	9.98E-08	3.92E-08	6.46E-04	1.02E-07	4.00E-08	6.45E-04	1.02E-07	3.99E-08
3657 494863.09, 3850877.25	6.54E-04	1.03E-07	4.05E-08	6.67E-04	1.05E-07	4.13E-08	6.66E-04	1.05E-07	4.12E-08
3658 495363.09, 3850877.25	6.75E-04	1.06E-07	4.18E-08	6.89E-04	1.09E-07	4.27E-08	6.88E-04	1.08E-07	4.26E-08
3659 495863.09, 3850877.25	6.48E-04	1.02E-07	4.01E-08	6.61E-04	1.04E-07	4.09E-08	6.60E-04	1.04E-07	4.09E-08
3660 496363.09, 3850877.25	6.42E-04	1.01E-07	3.97E-08	6.55E-04	1.03E-07	4.05E-08	6.54E-04	1.03E-07	4.05E-08
3661 496863.09, 3850877.25	6.54E-04	1.03E-07	4.04E-08	6.67E-04	1.05E-07	4.13E-08	6.66E-04	1.05E-07	4.12E-08
3662 497363.09, 3850877.25	6.26E-04	9.85E-08	3.87E-08	6.38E-04	1.01E-07	3.95E-08	6.38E-04	1.00E-07	3.95E-08
3663 497863.09, 3850877.25	5.89E-04	9.28E-08	3.65E-08	6.01E-04	9.47E-08	3.72E-08	6.00E-04	9.46E-08	3.72E-08
3664 498363.09, 3850877.25	5.54E-04	8.72E-08	3.43E-08	5.65E-04	8.90E-08	3.50E-08	5.64E-04	8.89E-08	3.49E-08
3665 471363.09, 3851377.25	5.25E-04	8.27E-08	3.25E-08	5.36E-04	8.44E-08	3.32E-08	5.35E-04	8.43E-08	3.31E-08
3666 471863.09, 3851377.25	7.67E-04	1.21E-07	4.75E-08	7.82E-04	1.23E-07	4.84E-08	7.81E-04	1.23E-07	4.84E-08
3667 472363.09, 3851377.25	8.50E-04	1.34E-07	5.26E-08	8.67E-04	1.37E-07	5.37E-08	8.66E-04	1.36E-07	5.36E-08
3668 472863.09, 3851377.25	9.47E-04	1.49E-07	5.86E-08	9.66E-04	1.52E-07	5.98E-08	9.65E-04	1.52E-07	5.97E-08
3669 473363.09, 3851377.25	8.96E-04	1.41E-07	5.55E-08	9.14E-04	1.44E-07	5.66E-08	9.13E-04	1.44E-07	5.65E-08
3670 473863.09, 3851377.25	1.07E-03	1.68E-07	6.60E-08	1.09E-03	1.72E-07	6.74E-08	1.09E-03	1.71E-07	6.73E-08
3671 474363.09, 3851377.25	1.47E-03	2.32E-07	9.12E-08	1.50E-03	2.37E-07	9.31E-08	1.50E-03	2.37E-07	9.30E-08
3672 474863.09, 3851377.25	1.79E-03	2.83E-07	1.11E-07	1.83E-03	2.88E-07	1.13E-07	1.83E-03	2.88E-07	1.13E-07
3673 475363.09, 3851377.25	2.04E-03	3.22E-07	1.26E-07	2.08E-03	3.28E-07	1.29E-07	2.08E-03	3.28E-07	1.29E-07
3674 475863.09, 3851377.25	2.29E-03	3.60E-07	1.41E-07	2.33E-03	3.68E-07	1.44E-07	2.33E-03	3.67E-07	1.44E-07
3675 476363.09, 3851377.25	2.59E-03	4.07E-07	1.60E-07	2.64E-03	4.16E-07	1.63E-07	2.64E-03	4.15E-07	1.63E-07
3676 476863.09, 3851377.25	2.96E-03	4.66E-07	1.83E-07	3.02E-03	4.75E-07	1.87E-07	3.01E-03	4.75E-07	1.86E-07
3677 477363.09, 3851377.25	3.38E-03	5.33E-07	2.09E-07	3.45E-03	5.44E-07	2.14E-07	3.45E-03	5.43E-07	2.13E-07
3678 477863.09, 3851377.25	3.94E-03	6.20E-07	2.44E-07	4.02E-03	6.33E-07	2.49E-07	4.01E-03	6.32E-07	2.48E-07
3679 478363.09, 3851377.25	4.67E-03	7.36E-07	2.89E-07	4.77E-03	7.51E-07	2.95E-07	4.76E-03	7.50E-07	2.95E-07
3680 478863.09, 3851377.25	5.68E-03	8.95E-07	3.51E-07	5.80E-03	9.13E-07	3.59E-07	5.79E-03	9.12E-07	3.58E-07
3681 479363.09, 3851377.25	7.31E-03	1.15E-06	4.52E-07	7.46E-03	1.17E-06	4.62E-07	7.45E-03	1.17E-06	4.61E-07
3682 479863.09, 3851377.25	1.02E-02	1.61E-06	6.32E-07	1.04E-02	1.64E-06	6.45E-07	1.04E-02	1.64E-06	6.44E-07
3683 480363.09, 3851377.25	1.83E-02	2.88E-06	1.13E-06	1.87E-02	2.94E-06	1.16E-06	1.87E-02	2.94E-06	1.15E-06
3684 480863.09, 3851377.25	9.06E-02	1.43E-05	5.60E-06	9.24E-02	1.46E-05	5.72E-06	9.23E-02	1.45E-05	5.71E-06
3685 481363.09, 3851377.25	2.95E-02	4.64E-06	1.82E-06	3.01E-02	4.73E-06	1.86E-06	3.00E-02	4.73E-06	1.86E-06
3686 481863.09, 3851377.25	1.51E-02	2.38E-06	9.34E-07	1.54E-02	2.43E-06	9.53E-07	1.54E-02	2.42E-06	9.52E-07
3687 482363.09, 3851377.25	9.97E-03	1.57E-06	6.17E-07	1.02E-02	1.60E-06	6.30E-07	1.02E-02	1.60E-06	6.29E-07
3688 482863.09, 3851377.25	6.66E-03	1.05E-06	4.12E-07	6.80E-03	1.07E-06	4.21E-07	6.79E-03	1.07E-06	4.20E-07
3689 483363.09, 3851377.25	4.81E-03	7.58E-07	2.98E-07	4.91E-03	7.74E-07	3.04E-07	4.91E-03	7.73E-07	3.04E-07
3690 483863.09, 3851377.25	4.02E-03	6.33E-07	2.49E-07	4.10E-03	6.46E-07	2.54E-07	4.09E-03	6.45E-07	2.53E-07
3691 484363.09, 3851377.25	4.21E-03	6.63E-07	2.61E-07	4.30E-03	6.77E-07	2.66E-07	4.29E-03	6.76E-07	2.66E-07
3692 484863.09, 3851377.25	3.26E-03	5.14E-07	2.02E-07	3.33E-03	5.25E-07	2.06E-07	3.33E-03	5.24E-07	2.06E-07
3693 485363.09, 3851377.25	3.46E-03	5.45E-07	2.14E-07	3.53E-03	5.56E-07	2.19E-07	3.53E-03	5.56E-07	2.18E-07
3694 485863.09, 3851377.25	2.92E-03	4.60E-07	1.81E-07	2.98E-03	4.69E-07	1.84E-07	2.97E-03	4.69E-07	1.84E-07
3695 486363.09, 3851377.25	2.80E-03	4.42E-07	1.74E-07	2.86E-03	4.51E-07	1.77E-07	2.86E-03	4.50E-07	1.77E-07
3696 486863.09, 3851377.25	2.51E-03	3.96E-07	1.56E-07	2.56E-03	4.04E-07	1.59E-07	2.56E-03	4.04E-07	1.59E-07
3697 487363.09, 3851377.25	2.12E-03	3.34E-07	1.31E-07	2.16E-03	3.41E-07	1.34E-07	2.16E-03	3.40E-07	1.34E-07
3698 487863.09, 3851377.25	2.04E-03	3.21E-07	1.26E-07	2.08E-03	3.28E-07	1.29E-07	2.08E-03	3.27E-07	1.29E-07
3699 488363.09, 3851377.25	1.89E-03	2.97E-07	1.17E-07	1.92E-03	3.03E-07	1.19E-07	1.92E-03	3.03E-07	1.19E-07
3700 488863.09, 3851377.25	1.72E-03	2.71E-07	1.06E-07	1.75E-03	2.76E-07	1.08E-07	1.75E-03	2.76E-07	1.08E-07
3701 489363.09, 3851377.25	1.57E-03	2.47E-07	9.69E-08	1.60E-03	2.52E-07	9.89E-08	1.60E-03	2.52E-07	9.88E-08
3702 489863.09, 3851377.25	1.42E-03	2.24E-07	8.79E-08	1.45E-03	2.28E-07	8.97E-08	1.45E-03	2.28E-07	8.96E-08
3703 490363.09, 3851377.25	1.29E-03	2.04E-07	8.01E-08	1.32E-03	2.08E-07	8.17E-08	1.32E-03	2.08E-07	8.16E-08
3704 490863.09, 3851377.25	1.17E-03	1.84E-07	7.25E-08	1.19E-03	1.88E-07	7.40E-08	1.19E-03	1.88E-07	7.39E-08
3705 491363.09, 3851377.25	1.04E-03	1.64E-07	6.42E-08	1.06E-03	1.67E-07	6.56E-08	1.06E-03	1.67E-07	6.55E-08
3706 491863.09, 3851377.25	9.28E-04	1.46E-07	5.74E-08	9.47E-04	1.49E-07	5.86E-08	9.45E-04	1.49E-07	5.85E-08
3707 492363.09, 3851377.25	8.44E-04	1.33E-07	5.22E-08	8.61E-04	1.36E-07	5.33E-08	8.60E-04	1.36E-07	5.32E-08
3708 492863.09, 3851377.25	7.56E-04	1.19E-07	4.68E-08	7.72E-04	1.22E-07	4.77E-08	7.71E-04	1.21E-07	4.77E-08
3709 493363.09, 3851377.25	6.19E-04	9.76E-08	3.83E-08	6.32E-04	9.96E-08	3.91E-08	6.31E-04	9.94E-08	3.91E-08
3710 493863.09, 3851377.25	6.34E-04	9.98E-08	3.92E-08	6.46E-04	1.02E-07	4.00E-08	6.46E-04	1.02E-07	4.00E-08
3711 494363.09, 3851377.25	7.06E-04	1.11E-07	4.37E-08	7.21E-04	1.14E-07	4.46E-08	7.20E-04	1.13E-07	4.46E-08
3712 494863.09, 3851377.25	6.86E-04	1.08E-07	4.25E-08	7.00E-04	1.10E-07	4.33E-08	6.99E-04	1.10E-07	4.33E-08
3713 495363.09, 3851377.25	7.38E-04	1.16E-07	4.56E-08	7.53E-04	1.19E-07	4.66E-08	7.52E-04	1.18E-07	4.65E-08

3714 495863.09, 3851377.25	7.28E-04	1.15E-07	4.50E-08	7.42E-04	1.17E-07	4.59E-08	7.42E-04	1.17E-07	4.59E-08
3715 496363.09, 3851377.25	7.04E-04	1.11E-07	4.36E-08	7.18E-04	1.13E-07	4.45E-08	7.17E-04	1.13E-07	4.44E-08
3716 496863.09, 3851377.25	6.73E-04	1.06E-07	4.17E-08	6.87E-04	1.08E-07	4.25E-08	6.86E-04	1.08E-07	4.25E-08
3717 497363.09, 3851377.25	6.42E-04	1.01E-07	3.97E-08	6.55E-04	1.03E-07	4.05E-08	6.54E-04	1.03E-07	4.05E-08
3718 497863.09, 3851377.25	6.05E-04	9.53E-08	3.75E-08	6.18E-04	9.73E-08	3.82E-08	6.17E-04	9.72E-08	3.82E-08
3719 498363.09, 3851377.25	5.53E-04	8.72E-08	3.42E-08	5.65E-04	8.90E-08	3.49E-08	5.64E-04	8.89E-08	3.49E-08
3720 471363.09, 3851877.25	5.32E-04	8.38E-08	3.29E-08	5.43E-04	8.55E-08	3.36E-08	5.42E-04	8.54E-08	3.36E-08
3721 471863.09, 3851877.25	5.35E-04	8.43E-08	3.31E-08	5.46E-04	8.61E-08	3.38E-08	5.46E-04	8.60E-08	3.38E-08
3722 472363.09, 3851877.25	6.75E-04	1.06E-07	4.18E-08	6.89E-04	1.08E-07	4.26E-08	6.88E-04	1.08E-07	4.26E-08
3723 472863.09, 3851877.25	8.16E-04	1.29E-07	5.05E-08	8.33E-04	1.31E-07	5.15E-08	8.32E-04	1.31E-07	5.15E-08
3724 473363.09, 3851877.25	7.85E-04	1.24E-07	4.86E-08	8.01E-04	1.26E-07	4.96E-08	8.00E-04	1.26E-07	4.95E-08
3725 473863.09, 3851877.25	8.52E-04	1.34E-07	5.27E-08	8.70E-04	1.37E-07	5.38E-08	8.69E-04	1.37E-07	5.38E-08
3726 474363.09, 3851877.25	1.12E-03	1.76E-07	6.91E-08	1.14E-03	1.79E-07	7.05E-08	1.14E-03	1.79E-07	7.04E-08
3727 474863.09, 3851877.25	1.40E-03	2.20E-07	8.65E-08	1.43E-03	2.25E-07	8.83E-08	1.43E-03	2.25E-07	8.82E-08
3728 475363.09, 3851877.25	1.62E-03	2.55E-07	1.00E-07	1.65E-03	2.60E-07	1.02E-07	1.65E-03	2.60E-07	1.02E-07
3729 475863.09, 3851877.25	1.81E-03	2.86E-07	1.12E-07	1.85E-03	2.92E-07	1.15E-07	1.85E-03	2.91E-07	1.14E-07
3730 476363.09, 3851877.25	1.91E-03	3.01E-07	1.18E-07	1.95E-03	3.07E-07	1.21E-07	1.95E-03	3.07E-07	1.21E-07
3731 476863.09, 3851877.25	2.22E-03	3.49E-07	1.37E-07	2.26E-03	3.56E-07	1.40E-07	2.26E-03	3.56E-07	1.40E-07
3732 477363.09, 3851877.25	2.55E-03	4.02E-07	1.58E-07	2.61E-03	4.11E-07	1.61E-07	2.60E-03	4.10E-07	1.61E-07
3733 477863.09, 3851877.25	2.91E-03	4.59E-07	1.80E-07	2.97E-03	4.68E-07	1.84E-07	2.97E-03	4.67E-07	1.84E-07
3734 478363.09, 3851877.25	3.27E-03	5.14E-07	2.02E-07	3.33E-03	5.25E-07	2.06E-07	3.33E-03	5.24E-07	2.06E-07
3735 478863.09, 3851877.25	3.90E-03	6.15E-07	2.42E-07	3.98E-03	6.28E-07	2.47E-07	3.98E-03	6.27E-07	2.46E-07
3736 479363.09, 3851877.25	4.69E-03	7.39E-07	2.90E-07	4.79E-03	7.54E-07	2.96E-07	4.78E-03	7.53E-07	2.96E-07
3737 479863.09, 3851877.25	5.67E-03	8.94E-07	3.51E-07	5.79E-03	9.12E-07	3.58E-07	5.78E-03	9.11E-07	3.58E-07
3738 480363.09, 3851877.25	7.39E-03	1.16E-06	4.57E-07	7.54E-03	1.19E-06	4.67E-07	7.53E-03	1.19E-06	4.66E-07
3739 480863.09, 3851877.25	1.08E-02	1.69E-06	6.66E-07	1.10E-02	1.73E-06	6.79E-07	1.10E-02	1.73E-06	6.78E-07
3740 481363.09, 3851877.25	2.61E-02	4.11E-06	1.61E-06	2.66E-02	4.19E-06	1.65E-06	2.66E-02	4.19E-06	1.65E-06
3741 481863.09, 3851877.25	2.88E-02	4.54E-06	1.78E-06	2.94E-02	4.63E-06	1.82E-06	2.94E-02	4.63E-06	1.82E-06
3742 482363.09, 3851877.25	1.13E-02	1.79E-06	7.01E-07	1.16E-02	1.82E-06	7.16E-07	1.16E-02	1.82E-06	7.15E-07
3743 482863.09, 3851877.25	6.89E-03	1.08E-06	4.26E-07	7.03E-03	1.11E-06	4.35E-07	7.02E-03	1.11E-06	4.34E-07
3744 483363.09, 3851877.25	6.06E-03	9.54E-07	3.75E-07	6.18E-03	9.74E-07	3.83E-07	6.17E-03	9.72E-07	3.82E-07
3745 483863.09, 3851877.25	5.05E-03	7.96E-07	3.13E-07	5.16E-03	8.12E-07	3.19E-07	5.15E-03	8.11E-07	3.19E-07
3746 484363.09, 3851877.25	4.79E-03	7.54E-07	2.96E-07	4.88E-03	7.70E-07	3.02E-07	4.88E-03	7.69E-07	3.02E-07
3747 484863.09, 3851877.25	4.08E-03	6.43E-07	2.53E-07	4.17E-03	6.56E-07	2.58E-07	4.16E-03	6.55E-07	2.57E-07
3748 485363.09, 3851877.25	3.74E-03	5.89E-07	2.31E-07	3.82E-03	6.01E-07	2.36E-07	3.81E-03	6.00E-07	2.36E-07
3749 485863.09, 3851877.25	3.40E-03	5.36E-07	2.11E-07	3.47E-03	5.47E-07	2.15E-07	3.47E-03	5.47E-07	2.15E-07
3750 486363.09, 3851877.25	2.91E-03	4.59E-07	1.80E-07	2.97E-03	4.68E-07	1.84E-07	2.97E-03	4.68E-07	1.84E-07
3751 486863.09, 3851877.25	2.63E-03	4.14E-07	1.63E-07	2.68E-03	4.22E-07	1.66E-07	2.68E-03	4.22E-07	1.66E-07
3752 487363.09, 3851877.25	2.36E-03	3.72E-07	1.46E-07	2.41E-03	3.80E-07	1.49E-07	2.41E-03	3.80E-07	1.49E-07
3753 487863.09, 3851877.25	1.99E-03	3.14E-07	1.23E-07	2.04E-03	3.21E-07	1.26E-07	2.03E-03	3.20E-07	1.26E-07
3754 488363.09, 3851877.25	1.82E-03	2.87E-07	1.13E-07	1.86E-03	2.93E-07	1.15E-07	1.86E-03	2.93E-07	1.15E-07
3755 488863.09, 3851877.25	1.60E-03	2.52E-07	9.91E-08	1.63E-03	2.57E-07	1.01E-07	1.63E-03	2.57E-07	1.01E-07
3756 489363.09, 3851877.25	1.42E-03	2.23E-07	8.77E-08	1.45E-03	2.28E-07	8.95E-08	1.44E-03	2.28E-07	8.94E-08
3757 489863.09, 3851877.25	1.28E-03	2.02E-07	7.93E-08	1.31E-03	2.06E-07	8.09E-08	1.31E-03	2.06E-07	8.09E-08
3758 490363.09, 3851877.25	1.19E-03	1.87E-07	7.37E-08	1.21E-03	1.91E-07	7.52E-08	1.21E-03	1.91E-07	7.51E-08
3759 490863.09, 3851877.25	1.12E-03	1.76E-07	6.92E-08	1.14E-03	1.80E-07	7.06E-08	1.14E-03	1.79E-07	7.05E-08
3760 491363.09, 3851877.25	1.06E-03	1.67E-07	6.56E-08	1.08E-03	1.70E-07	6.69E-08	1.08E-03	1.70E-07	6.68E-08
3761 491863.09, 3851877.25	9.95E-04	1.57E-07	6.16E-08	1.02E-03	1.60E-07	6.28E-08	1.01E-03	1.60E-07	6.28E-08
3762 492363.09, 3851877.25	8.96E-04	1.41E-07	5.55E-08	9.14E-04	1.44E-07	5.66E-08	9.13E-04	1.44E-07	5.65E-08
3763 492863.09, 3851877.25	7.15E-04	1.13E-07	4.42E-08	7.29E-04	1.15E-07	4.51E-08	7.29E-04	1.15E-07	4.51E-08
3764 493363.09, 3851877.25	7.94E-04	1.25E-07	4.92E-08	8.11E-04	1.28E-07	5.02E-08	8.10E-04	1.28E-07	5.01E-08
3765 493863.09, 3851877.25	8.62E-04	1.36E-07	5.33E-08	8.79E-04	1.39E-07	5.44E-08	8.78E-04	1.38E-07	5.43E-08
3766 494363.09, 3851877.25	7.88E-04	1.24E-07	4.88E-08	8.04E-04	1.27E-07	4.98E-08	8.03E-04	1.27E-07	4.97E-08
3767 494863.09, 3851877.25	8.06E-04	1.27E-07	4.99E-08	8.23E-04	1.30E-07	5.09E-08	8.22E-04	1.29E-07	5.09E-08
3768 495363.09, 3851877.25	7.96E-04	1.25E-07	4.93E-08	8.12E-04	1.28E-07	5.03E-08	8.11E-04	1.28E-07	5.02E-08
3769 495863.09, 3851877.25	7.76E-04	1.22E-07	4.80E-08	7.91E-04	1.25E-07	4.90E-08	7.90E-04	1.25E-07	4.89E-08
3770 496363.09, 3851877.25	7.33E-04	1.15E-07	4.54E-08	7.48E-04	1.18E-07	4.63E-08	7.47E-04	1.18E-07	4.62E-08
3771 496863.09, 3851877.25	6.90E-04	1.09E-07	4.27E-08	7.04E-04	1.11E-07	4.35E-08	7.03E-04	1.11E-07	4.35E-08
3772 497363.09, 3851877.25	6.46E-04	1.02E-07	4.00E-08	6.60E-04	1.04E-07	4.08E-08	6.59E-04	1.04E-07	4.08E-08
3773 497863.09, 3851877.25	5.87E-04	9.25E-08	3.63E-08	5.99E-04	9.44E-08	3.71E-08	5.98E-04	9.42E-08	3.70E-08
3774 498363.09, 3851877.25	5.34E-04	8.42E-08	3.31E-08	5.45E-04	8.59E-08	3.37E-08	5.44E-04	8.58E-08	3.37E-08
3775 471363.09, 3852377.25	4.11E-04	6.48E-08	2.54E-08	4.19E-04	6.61E-08	2.60E-08	4.19E-04	6.60E-08	2.59E-08
3776 471863.09, 3852377.25	5.12E-04	8.06E-08	3.17E-08	5.22E-04	8.23E-08	3.23E-08	5.22E-04	8.22E-08	3.23E-08

3777	472363.09, 3852377.25	5.91E-04	9.30E-08	3.65E-08	6.03E-04	9.49E-08	3.73E-08	6.02E-04	9.48E-08	3.72E-08
3778	472863.09, 3852377.25	6.72E-04	1.06E-07	4.16E-08	6.86E-04	1.08E-07	4.24E-08	6.85E-04	1.08E-07	4.24E-08
3779	473363.09, 3852377.25	7.33E-04	1.15E-07	4.54E-08	7.48E-04	1.18E-07	4.63E-08	7.47E-04	1.18E-07	4.62E-08
3780	473863.09, 3852377.25	7.75E-04	1.22E-07	4.79E-08	7.90E-04	1.25E-07	4.89E-08	7.90E-04	1.24E-07	4.89E-08
3781	474363.09, 3852377.25	8.24E-04	1.30E-07	5.10E-08	8.41E-04	1.33E-07	5.21E-08	8.40E-04	1.32E-07	5.20E-08
3782	474863.09, 3852377.25	1.16E-03	1.83E-07	7.18E-08	1.18E-03	1.86E-07	7.32E-08	1.18E-03	1.86E-07	7.31E-08
3783	475363.09, 3852377.25	1.25E-03	1.97E-07	7.73E-08	1.27E-03	2.01E-07	7.89E-08	1.27E-03	2.01E-07	7.88E-08
3784	475863.09, 3852377.25	1.33E-03	2.09E-07	8.22E-08	1.36E-03	2.14E-07	8.39E-08	1.35E-03	2.13E-07	8.38E-08
3785	476363.09, 3852377.25	1.36E-03	2.14E-07	8.41E-08	1.39E-03	2.19E-07	8.58E-08	1.39E-03	2.18E-07	8.57E-08
3786	476863.09, 3852377.25	1.52E-03	2.40E-07	9.42E-08	1.55E-03	2.45E-07	9.62E-08	1.55E-03	2.45E-07	9.61E-08
3787	477363.09, 3852377.25	1.62E-03	2.56E-07	1.01E-07	1.66E-03	2.61E-07	1.03E-07	1.66E-03	2.61E-07	1.02E-07
3788	477863.09, 3852377.25	1.38E-03	2.17E-07	8.52E-08	1.41E-03	2.21E-07	8.70E-08	1.40E-03	2.21E-07	8.69E-08
3789	478363.09, 3852377.25	1.24E-03	1.96E-07	7.70E-08	1.27E-03	2.00E-07	7.86E-08	1.27E-03	2.00E-07	7.85E-08
3790	478863.09, 3852377.25	1.87E-03	2.94E-07	1.15E-07	1.90E-03	3.00E-07	1.18E-07	1.90E-03	3.00E-07	1.18E-07
3791	479363.09, 3852377.25	2.40E-03	3.79E-07	1.49E-07	2.45E-03	3.86E-07	1.52E-07	2.45E-03	3.86E-07	1.52E-07
3792	479863.09, 3852377.25	3.67E-03	5.78E-07	2.27E-07	3.75E-03	5.90E-07	2.32E-07	3.74E-03	5.90E-07	2.32E-07
3793	480363.09, 3852377.25	4.76E-03	7.50E-07	2.95E-07	4.86E-03	7.66E-07	3.01E-07	4.85E-03	7.65E-07	3.00E-07
3794	480863.09, 3852377.25	6.15E-03	9.69E-07	3.81E-07	6.28E-03	9.89E-07	3.88E-07	6.27E-03	9.87E-07	3.88E-07
3795	481363.09, 3852377.25	9.26E-03	1.46E-06	5.73E-07	9.45E-03	1.49E-06	5.85E-07	9.44E-03	1.49E-06	5.84E-07
3796	481863.09, 3852377.25	2.62E-02	4.12E-06	1.62E-06	2.67E-02	4.21E-06	1.65E-06	2.67E-02	4.20E-06	1.65E-06
3797	482363.09, 3852377.25	2.60E-02	4.09E-06	1.61E-06	2.65E-02	4.17E-06	1.64E-06	2.65E-02	4.17E-06	1.64E-06
3798	482863.09, 3852377.25	1.23E-02	1.93E-06	7.59E-07	1.25E-02	1.97E-06	7.75E-07	1.25E-02	1.97E-06	7.74E-07
3799	483363.09, 3852377.25	7.20E-03	1.13E-06	4.46E-07	7.35E-03	1.16E-06	4.55E-07	7.34E-03	1.16E-06	4.54E-07
3800	483863.09, 3852377.25	5.44E-03	8.58E-07	3.37E-07	5.56E-03	8.75E-07	3.44E-07	5.55E-03	8.74E-07	3.43E-07
3801	484363.09, 3852377.25	5.16E-03	8.12E-07	3.19E-07	5.26E-03	8.29E-07	3.26E-07	5.26E-03	8.28E-07	3.25E-07
3802	484863.09, 3852377.25	4.68E-03	7.37E-07	2.90E-07	4.78E-03	7.52E-07	2.96E-07	4.77E-03	7.51E-07	2.95E-07
3803	485363.09, 3852377.25	4.21E-03	6.63E-07	2.61E-07	4.30E-03	6.77E-07	2.66E-07	4.29E-03	6.76E-07	2.66E-07
3804	485863.09, 3852377.25	3.55E-03	5.59E-07	2.19E-07	3.62E-03	5.70E-07	2.24E-07	3.61E-03	5.69E-07	2.24E-07
3805	486363.09, 3852377.25	2.90E-03	4.58E-07	1.80E-07	2.96E-03	4.67E-07	1.83E-07	2.96E-03	4.66E-07	1.83E-07
3806	486863.09, 3852377.25	2.54E-03	4.00E-07	1.57E-07	2.59E-03	4.08E-07	1.60E-07	2.59E-03	4.08E-07	1.60E-07
3807	487363.09, 3852377.25	2.18E-03	3.44E-07	1.35E-07	2.23E-03	3.51E-07	1.38E-07	2.22E-03	3.50E-07	1.38E-07
3808	487863.09, 3852377.25	1.88E-03	2.96E-07	1.16E-07	1.92E-03	3.02E-07	1.19E-07	1.92E-03	3.02E-07	1.19E-07
3809	488363.09, 3852377.25	1.63E-03	2.56E-07	1.01E-07	1.66E-03	2.61E-07	1.03E-07	1.66E-03	2.61E-07	1.03E-07
3810	488863.09, 3852377.25	1.39E-03	2.19E-07	8.61E-08	1.42E-03	2.24E-07	8.79E-08	1.42E-03	2.23E-07	8.78E-08
3811	489363.09, 3852377.25	1.22E-03	1.93E-07	7.56E-08	1.25E-03	1.96E-07	7.72E-08	1.25E-03	1.96E-07	7.71E-08
3812	489863.09, 3852377.25	1.04E-03	1.64E-07	6.43E-08	1.06E-03	1.67E-07	6.56E-08	1.06E-03	1.67E-07	6.55E-08
3813	490363.09, 3852377.25	1.05E-03	1.65E-07	6.48E-08	1.07E-03	1.68E-07	6.61E-08	1.07E-03	1.68E-07	6.60E-08
3814	490863.09, 3852377.25	1.03E-03	1.62E-07	6.38E-08	1.05E-03	1.66E-07	6.51E-08	1.05E-03	1.66E-07	6.50E-08
3815	491363.09, 3852377.25	1.10E-03	1.73E-07	6.78E-08	1.12E-03	1.76E-07	6.92E-08	1.12E-03	1.76E-07	6.91E-08
3816	491863.09, 3852377.25	1.04E-03	1.64E-07	6.44E-08	1.06E-03	1.67E-07	6.57E-08	1.06E-03	1.67E-07	6.57E-08
3817	492363.09, 3852377.25	9.83E-04	1.55E-07	6.08E-08	1.00E-03	1.58E-07	6.21E-08	1.00E-03	1.58E-07	6.20E-08
3818	492863.09, 3852377.25	9.67E-04	1.52E-07	5.98E-08	9.87E-04	1.55E-07	6.11E-08	9.85E-04	1.55E-07	6.10E-08
3819	493363.09, 3852377.25	9.81E-04	1.55E-07	6.07E-08	1.00E-03	1.58E-07	6.20E-08	1.00E-03	1.58E-07	6.19E-08
3820	493863.09, 3852377.25	9.20E-04	1.45E-07	5.70E-08	9.39E-04	1.48E-07	5.81E-08	9.38E-04	1.48E-07	5.80E-08
3821	494363.09, 3852377.25	8.65E-04	1.36E-07	5.35E-08	8.82E-04	1.39E-07	5.46E-08	8.81E-04	1.39E-07	5.46E-08
3822	494863.09, 3852377.25	8.55E-04	1.35E-07	5.29E-08	8.72E-04	1.37E-07	5.40E-08	8.71E-04	1.37E-07	5.39E-08
3823	495363.09, 3852377.25	8.44E-04	1.33E-07	5.22E-08	8.61E-04	1.36E-07	5.33E-08	8.60E-04	1.36E-07	5.33E-08
3824	495863.09, 3852377.25	7.88E-04	1.24E-07	4.88E-08	8.04E-04	1.27E-07	4.98E-08	8.03E-04	1.27E-07	4.97E-08
3825	496363.09, 3852377.25	7.33E-04	1.15E-07	4.54E-08	7.48E-04	1.18E-07	4.63E-08	7.47E-04	1.18E-07	4.62E-08
3826	496863.09, 3852377.25	6.91E-04	1.09E-07	4.28E-08	7.05E-04	1.11E-07	4.37E-08	7.05E-04	1.11E-07	4.36E-08
3827	497363.09, 3852377.25	6.20E-04	9.77E-08	3.84E-08	6.33E-04	9.97E-08	3.92E-08	6.32E-04	9.95E-08	3.91E-08
3828	497863.09, 3852377.25	5.50E-04	8.66E-08	3.40E-08	5.61E-04	8.83E-08	3.47E-08	5.60E-04	8.82E-08	3.47E-08
3829	498363.09, 3852377.25	4.86E-04	7.66E-08	3.01E-08	4.96E-04	7.82E-08	3.07E-08	4.96E-04	7.81E-08	3.07E-08
3830	471363.09, 3852877.25	4.14E-04	6.53E-08	2.56E-08	4.23E-04	6.66E-08	2.62E-08	4.22E-04	6.65E-08	2.61E-08
3831	471863.09, 3852877.25	4.81E-04	7.58E-08	2.98E-08	4.91E-04	7.74E-08	3.04E-08	4.90E-04	7.73E-08	3.04E-08
3832	472363.09, 3852877.25	5.49E-04	8.65E-08	3.40E-08	5.60E-04	8.82E-08	3.47E-08	5.60E-04	8.81E-08	3.46E-08
3833	472863.09, 3852877.25	6.16E-04	9.70E-08	3.81E-08	6.28E-04	9.90E-08	3.89E-08	6.28E-04	9.89E-08	3.88E-08
3834	473363.09, 3852877.25	6.86E-04	1.08E-07	4.25E-08	7.00E-04	1.10E-07	4.33E-08	6.99E-04	1.10E-07	4.33E-08
3835	473863.09, 3852877.25	7.76E-04	1.22E-07	4.80E-08	7.92E-04	1.25E-07	4.90E-08	7.91E-04	1.25E-07	4.90E-08
3836	474363.09, 3852877.25	8.70E-04	1.37E-07	5.38E-08	8.88E-04	1.40E-07	5.49E-08	8.87E-04	1.40E-07	5.49E-08
3837	474863.09, 3852877.25	8.17E-04	1.29E-07	5.06E-08	8.34E-04	1.31E-07	5.16E-08	8.33E-04	1.31E-07	5.16E-08
3838	475363.09, 3852877.25	9.48E-04	1.49E-07	5.87E-08	9.68E-04	1.52E-07	5.99E-08	9.66E-04	1.52E-07	5.98E-08
3839	475863.09, 3852877.25	1.01E-03	1.59E-07	6.27E-08	1.03E-03	1.63E-07	6.39E-08	1.03E-03	1.63E-07	6.39E-08

3840	476363.09, 3852877.25	9.52E-04	1.50E-07	5.89E-08	9.71E-04	1.53E-07	6.01E-08	9.70E-04	1.53E-07	6.00E-08
3841	476863.09, 3852877.25	7.98E-04	1.26E-07	4.94E-08	8.15E-04	1.28E-07	5.04E-08	8.14E-04	1.28E-07	5.04E-08
3842	477363.09, 3852877.25	7.03E-04	1.11E-07	4.35E-08	7.17E-04	1.13E-07	4.44E-08	7.16E-04	1.13E-07	4.43E-08
3843	477863.09, 3852877.25	5.94E-04	9.35E-08	3.67E-08	6.06E-04	9.54E-08	3.75E-08	6.05E-04	9.53E-08	3.75E-08
3844	478363.09, 3852877.25	4.22E-04	6.65E-08	2.61E-08	4.31E-04	6.79E-08	2.67E-08	4.30E-04	6.78E-08	2.66E-08
3845	478863.09, 3852877.25	5.77E-04	9.09E-08	3.57E-08	5.89E-04	9.27E-08	3.64E-08	5.88E-04	9.26E-08	3.64E-08
3846	479363.09, 3852877.25	9.63E-04	1.52E-07	5.96E-08	9.83E-04	1.55E-07	6.08E-08	9.81E-04	1.55E-07	6.07E-08
3847	479863.09, 3852877.25	2.02E-03	3.18E-07	1.25E-07	2.06E-03	3.25E-07	1.28E-07	2.06E-03	3.24E-07	1.27E-07
3848	480363.09, 3852877.25	3.35E-03	5.27E-07	2.07E-07	3.41E-03	5.38E-07	2.11E-07	3.41E-03	5.37E-07	2.11E-07
3849	480863.09, 3852877.25	4.18E-03	6.58E-07	2.59E-07	4.27E-03	6.72E-07	2.64E-07	4.26E-03	6.71E-07	2.64E-07
3850	481363.09, 3852877.25	5.53E-03	8.71E-07	3.42E-07	5.64E-03	8.89E-07	3.49E-07	5.64E-03	8.88E-07	3.49E-07
3851	481863.09, 3852877.25	8.70E-03	1.37E-06	5.39E-07	8.88E-03	1.40E-06	5.50E-07	8.87E-03	1.40E-06	5.49E-07
3852	482363.09, 3852877.25	2.89E-02	4.55E-06	1.79E-06	2.95E-02	4.64E-06	1.82E-06	2.94E-02	4.64E-06	1.82E-06
3853	482863.09, 3852877.25	2.41E-02	3.79E-06	1.49E-06	2.46E-02	3.87E-06	1.52E-06	2.45E-02	3.87E-06	1.52E-06
3854	483363.09, 3852877.25	1.09E-02	1.72E-06	6.75E-07	1.11E-02	1.75E-06	6.89E-07	1.11E-02	1.75E-06	6.88E-07
3855	483863.09, 3852877.25	6.26E-03	9.86E-07	3.87E-07	6.39E-03	1.01E-06	3.95E-07	6.38E-03	1.01E-06	3.95E-07
3856	484363.09, 3852877.25	5.64E-03	8.89E-07	3.49E-07	5.76E-03	9.07E-07	3.56E-07	5.75E-03	9.06E-07	3.56E-07
3857	484863.09, 3852877.25	4.87E-03	7.67E-07	3.01E-07	4.97E-03	7.83E-07	3.08E-07	4.96E-03	7.82E-07	3.07E-07
3858	485363.09, 3852877.25	3.51E-03	5.52E-07	2.17E-07	3.58E-03	5.64E-07	2.21E-07	3.57E-03	5.63E-07	2.21E-07
3859	485863.09, 3852877.25	2.90E-03	4.57E-07	1.80E-07	2.96E-03	4.67E-07	1.83E-07	2.96E-03	4.66E-07	1.83E-07
3860	486363.09, 3852877.25	2.41E-03	3.79E-07	1.49E-07	2.46E-03	3.87E-07	1.52E-07	2.45E-03	3.87E-07	1.52E-07
3861	486863.09, 3852877.25	2.12E-03	3.35E-07	1.31E-07	2.17E-03	3.41E-07	1.34E-07	2.16E-03	3.41E-07	1.34E-07
3862	487363.09, 3852877.25	1.82E-03	2.86E-07	1.13E-07	1.86E-03	2.92E-07	1.15E-07	1.85E-03	2.92E-07	1.15E-07
3863	487863.09, 3852877.25	1.59E-03	2.51E-07	9.86E-08	1.63E-03	2.56E-07	1.01E-07	1.62E-03	2.56E-07	1.00E-07
3864	488363.09, 3852877.25	1.12E-03	1.77E-07	6.95E-08	1.15E-03	1.81E-07	7.09E-08	1.14E-03	1.80E-07	7.09E-08
3865	488863.09, 3852877.25	1.12E-03	1.76E-07	6.91E-08	1.14E-03	1.79E-07	7.05E-08	1.14E-03	1.79E-07	7.04E-08
3866	489363.09, 3852877.25	1.05E-03	1.66E-07	6.53E-08	1.08E-03	1.70E-07	6.66E-08	1.07E-03	1.69E-07	6.65E-08
3867	489863.09, 3852877.25	9.95E-04	1.57E-07	6.16E-08	1.02E-03	1.60E-07	6.29E-08	1.01E-03	1.60E-07	6.28E-08
3868	490363.09, 3852877.25	1.14E-03	1.80E-07	7.06E-08	1.16E-03	1.83E-07	7.21E-08	1.16E-03	1.83E-07	7.20E-08
3869	490863.09, 3852877.25	1.14E-03	1.80E-07	7.06E-08	1.16E-03	1.83E-07	7.20E-08	1.16E-03	1.83E-07	7.19E-08
3870	491363.09, 3852877.25	1.13E-03	1.78E-07	6.98E-08	1.15E-03	1.81E-07	7.12E-08	1.15E-03	1.81E-07	7.11E-08
3871	491863.09, 3852877.25	1.08E-03	1.70E-07	6.67E-08	1.10E-03	1.73E-07	6.80E-08	1.10E-03	1.73E-07	6.80E-08
3872	492363.09, 3852877.25	1.04E-03	1.64E-07	6.44E-08	1.06E-03	1.67E-07	6.57E-08	1.06E-03	1.67E-07	6.56E-08
3873	492863.09, 3852877.25	1.04E-03	1.63E-07	6.41E-08	1.06E-03	1.67E-07	6.54E-08	1.06E-03	1.66E-07	6.54E-08
3874	493363.09, 3852877.25	1.01E-03	1.59E-07	6.26E-08	1.03E-03	1.63E-07	6.39E-08	1.03E-03	1.62E-07	6.38E-08
3875	493863.09, 3852877.25	9.56E-04	1.51E-07	5.92E-08	9.76E-04	1.54E-07	6.04E-08	9.75E-04	1.54E-07	6.03E-08
3876	494363.09, 3852877.25	9.11E-04	1.43E-07	5.64E-08	9.29E-04	1.46E-07	5.75E-08	9.28E-04	1.46E-07	5.74E-08
3877	494863.09, 3852877.25	8.79E-04	1.39E-07	5.44E-08	8.97E-04	1.41E-07	5.55E-08	8.96E-04	1.41E-07	5.55E-08
3878	495363.09, 3852877.25	8.17E-04	1.29E-07	5.06E-08	8.33E-04	1.31E-07	5.16E-08	8.33E-04	1.31E-07	5.15E-08
3879	495863.09, 3852877.25	7.59E-04	1.20E-07	4.70E-08	7.74E-04	1.22E-07	4.79E-08	7.73E-04	1.22E-07	4.79E-08
3880	496363.09, 3852877.25	7.25E-04	1.14E-07	4.49E-08	7.40E-04	1.17E-07	4.58E-08	7.39E-04	1.16E-07	4.57E-08
3881	496863.09, 3852877.25	6.81E-04	1.07E-07	4.21E-08	6.95E-04	1.09E-07	4.30E-08	6.94E-04	1.09E-07	4.30E-08
3882	497363.09, 3852877.25	5.89E-04	9.28E-08	3.65E-08	6.01E-04	9.47E-08	3.72E-08	6.00E-04	9.46E-08	3.72E-08
3883	497863.09, 3852877.25	4.47E-04	7.04E-08	2.76E-08	4.56E-04	7.18E-08	2.82E-08	4.55E-04	7.17E-08	2.82E-08
3884	498363.09, 3852877.25	4.13E-04	6.50E-08	2.55E-08	4.21E-04	6.64E-08	2.61E-08	4.21E-04	6.63E-08	2.60E-08
3885	471363.09, 3853377.25	4.13E-04	6.51E-08	2.56E-08	4.22E-04	6.65E-08	2.61E-08	4.21E-04	6.64E-08	2.61E-08
3886	471863.09, 3853377.25	4.64E-04	7.31E-08	2.87E-08	4.73E-04	7.46E-08	2.93E-08	4.73E-04	7.45E-08	2.93E-08
3887	472363.09, 3853377.25	5.14E-04	8.09E-08	3.18E-08	5.24E-04	8.26E-08	3.24E-08	5.23E-04	8.25E-08	3.24E-08
3888	472863.09, 3853377.25	5.70E-04	8.97E-08	3.53E-08	5.81E-04	9.16E-08	3.60E-08	5.81E-04	9.15E-08	3.59E-08
3889	473363.09, 3853377.25	6.09E-04	9.59E-08	3.77E-08	6.22E-04	9.79E-08	3.85E-08	6.21E-04	9.78E-08	3.84E-08
3890	473863.09, 3853377.25	6.56E-04	1.03E-07	4.06E-08	6.69E-04	1.05E-07	4.14E-08	6.68E-04	1.05E-07	4.14E-08
3891	474363.09, 3853377.25	6.94E-04	1.09E-07	4.29E-08	7.08E-04	1.12E-07	4.38E-08	7.07E-04	1.11E-07	4.38E-08
3892	474863.09, 3853377.25	6.76E-04	1.07E-07	4.19E-08	6.90E-04	1.09E-07	4.27E-08	6.89E-04	1.09E-07	4.27E-08
3893	475363.09, 3853377.25	6.80E-04	1.07E-07	4.21E-08	6.94E-04	1.09E-07	4.29E-08	6.93E-04	1.09E-07	4.29E-08
3894	475863.09, 3853377.25	6.81E-04	1.07E-07	4.21E-08	6.95E-04	1.09E-07	4.30E-08	6.94E-04	1.09E-07	4.29E-08
3895	476363.09, 3853377.25	6.06E-04	9.55E-08	3.75E-08	6.19E-04	9.75E-08	3.83E-08	6.18E-04	9.74E-08	3.83E-08
3896	476863.09, 3853377.25	4.66E-04	7.34E-08	2.88E-08	4.75E-04	7.49E-08	2.94E-08	4.75E-04	7.48E-08	2.94E-08
3897	477363.09, 3853377.25	4.49E-04	7.07E-08	2.78E-08	4.58E-04	7.22E-08	2.84E-08	4.58E-04	7.21E-08	2.83E-08
3898	477863.09, 3853377.25	4.66E-04	7.33E-08	2.88E-08	4.75E-04	7.48E-08	2.94E-08	4.75E-04	7.48E-08	2.94E-08
3899	478363.09, 3853377.25	3.66E-04	5.77E-08	2.27E-08	3.74E-04	5.89E-08	2.31E-08	3.73E-04	5.88E-08	2.31E-08
3900	478863.09, 3853377.25	2.44E-04	3.84E-08	1.51E-08	2.49E-04	3.92E-08	1.54E-08	2.48E-04	3.91E-08	1.54E-08
3901	479363.09, 3853377.25	5.45E-04	8.58E-08	3.37E-08	5.56E-04	8.76E-08	3.44E-08	5.55E-04	8.75E-08	3.44E-08
3902	479863.09, 3853377.25	9.86E-04	1.55E-07	6.10E-08	1.01E-03	1.58E-07	6.23E-08	1.00E-03	1.58E-07	6.22E-08

3903	480363.09, 3853377.25	1.92E-03	3.02E-07	1.19E-07	1.96E-03	3.09E-07	1.21E-07	1.96E-03	3.08E-07	1.21E-07
3904	480863.09, 3853377.25	1.93E-03	3.04E-07	1.19E-07	1.97E-03	3.10E-07	1.22E-07	1.97E-03	3.10E-07	1.22E-07
3905	481363.09, 3853377.25	3.19E-03	5.02E-07	1.97E-07	3.25E-03	5.13E-07	2.01E-07	3.25E-03	5.12E-07	2.01E-07
3906	481863.09, 3853377.25	4.84E-03	7.63E-07	3.00E-07	4.94E-03	7.79E-07	3.06E-07	4.94E-03	7.78E-07	3.06E-07
3907	482363.09, 3853377.25	7.97E-03	1.25E-06	4.93E-07	8.13E-03	1.28E-06	5.03E-07	8.12E-03	1.28E-06	5.02E-07
3908	482863.09, 3853377.25	5.63E-02	8.87E-06	3.48E-06	5.74E-02	9.05E-06	3.55E-06	5.74E-02	9.04E-06	3.55E-06
3909	483363.09, 3853377.25	1.08E-02	1.70E-06	6.68E-07	1.10E-02	1.74E-06	6.82E-07	1.10E-02	1.73E-06	6.81E-07
3910	483863.09, 3853377.25	6.37E-03	1.00E-06	3.94E-07	6.50E-03	1.02E-06	4.02E-07	6.49E-03	1.02E-06	4.02E-07
3911	484363.09, 3853377.25	5.10E-03	8.03E-07	3.15E-07	5.20E-03	8.19E-07	3.22E-07	5.19E-03	8.18E-07	3.21E-07
3912	484863.09, 3853377.25	3.73E-03	5.87E-07	2.31E-07	3.80E-03	5.99E-07	2.35E-07	3.80E-03	5.99E-07	2.35E-07
3913	485363.09, 3853377.25	2.59E-03	4.07E-07	1.60E-07	2.64E-03	4.16E-07	1.63E-07	2.63E-03	4.15E-07	1.63E-07
3914	485863.09, 3853377.25	1.92E-03	3.02E-07	1.19E-07	1.96E-03	3.08E-07	1.21E-07	1.95E-03	3.08E-07	1.21E-07
3915	486363.09, 3853377.25	1.80E-03	2.84E-07	1.12E-07	1.84E-03	2.90E-07	1.14E-07	1.84E-03	2.89E-07	1.14E-07
3916	486863.09, 3853377.25	1.66E-03	2.62E-07	1.03E-07	1.70E-03	2.67E-07	1.05E-07	1.70E-03	2.67E-07	1.05E-07
3917	487363.09, 3853377.25	1.61E-03	2.53E-07	9.94E-08	1.64E-03	2.58E-07	1.01E-07	1.64E-03	2.58E-07	1.01E-07
3918	487863.09, 3853377.25	1.52E-03	2.40E-07	9.43E-08	1.55E-03	2.45E-07	9.62E-08	1.55E-03	2.45E-07	9.61E-08
3919	488363.09, 3853377.25	1.47E-03	2.32E-07	9.12E-08	1.50E-03	2.37E-07	9.31E-08	1.50E-03	2.37E-07	9.30E-08
3920	488863.09, 3853377.25	1.38E-03	2.18E-07	8.56E-08	1.41E-03	2.22E-07	8.73E-08	1.41E-03	2.22E-07	8.72E-08
3921	489363.09, 3853377.25	1.30E-03	2.04E-07	8.02E-08	1.32E-03	2.08E-07	8.18E-08	1.32E-03	2.08E-07	8.17E-08
3922	489863.09, 3853377.25	1.19E-03	1.88E-07	7.38E-08	1.22E-03	1.92E-07	7.53E-08	1.22E-03	1.92E-07	7.52E-08
3923	490363.09, 3853377.25	1.17E-03	1.85E-07	7.27E-08	1.20E-03	1.89E-07	7.42E-08	1.20E-03	1.89E-07	7.41E-08
3924	490863.09, 3853377.25	1.14E-03	1.80E-07	7.08E-08	1.17E-03	1.84E-07	7.22E-08	1.17E-03	1.84E-07	7.22E-08
3925	491363.09, 3853377.25	1.11E-03	1.75E-07	6.88E-08	1.13E-03	1.79E-07	7.02E-08	1.13E-03	1.78E-07	7.01E-08
3926	491863.09, 3853377.25	1.08E-03	1.69E-07	6.65E-08	1.10E-03	1.73E-07	6.79E-08	1.10E-03	1.73E-07	6.78E-08
3927	492363.09, 3853377.25	1.06E-03	1.67E-07	6.57E-08	1.08E-03	1.71E-07	6.70E-08	1.08E-03	1.70E-07	6.69E-08
3928	492863.09, 3853377.25	1.05E-03	1.65E-07	6.47E-08	1.07E-03	1.68E-07	6.60E-08	1.07E-03	1.68E-07	6.59E-08
3929	493363.09, 3853377.25	1.01E-03	1.58E-07	6.22E-08	1.03E-03	1.62E-07	6.35E-08	1.02E-03	1.61E-07	6.34E-08
3930	493863.09, 3853377.25	9.64E-04	1.52E-07	5.96E-08	9.83E-04	1.55E-07	6.09E-08	9.82E-04	1.55E-07	6.08E-08
3931	494363.09, 3853377.25	9.06E-04	1.43E-07	5.61E-08	9.25E-04	1.46E-07	5.72E-08	9.24E-04	1.46E-07	5.72E-08
3932	494863.09, 3853377.25	8.46E-04	1.33E-07	5.23E-08	8.63E-04	1.36E-07	5.34E-08	8.62E-04	1.36E-07	5.33E-08
3933	495363.09, 3853377.25	8.05E-04	1.27E-07	4.98E-08	8.21E-04	1.29E-07	5.08E-08	8.20E-04	1.29E-07	5.08E-08
3934	495863.09, 3853377.25	7.55E-04	1.19E-07	4.67E-08	7.70E-04	1.21E-07	4.77E-08	7.69E-04	1.21E-07	4.76E-08
3935	496363.09, 3853377.25	6.96E-04	1.10E-07	4.31E-08	7.10E-04	1.12E-07	4.39E-08	7.09E-04	1.12E-07	4.39E-08
3936	496863.09, 3853377.25	6.18E-04	9.73E-08	3.82E-08	6.31E-04	9.93E-08	3.90E-08	6.30E-04	9.92E-08	3.90E-08
3937	497363.09, 3853377.25	5.21E-04	8.21E-08	3.22E-08	5.32E-04	8.37E-08	3.29E-08	5.31E-04	8.36E-08	3.29E-08
3938	497863.09, 3853377.25	3.47E-04	5.47E-08	2.15E-08	3.55E-04	5.58E-08	2.19E-08	3.54E-04	5.58E-08	2.19E-08
3939	498363.09, 3853377.25	2.69E-04	4.24E-08	1.66E-08	2.75E-04	4.32E-08	1.70E-08	2.74E-04	4.32E-08	1.70E-08
3940	471363.09, 3853877.25	4.03E-04	6.34E-08	2.49E-08	4.11E-04	6.47E-08	2.54E-08	4.10E-04	6.46E-08	2.54E-08
3941	471863.09, 3853877.25	4.51E-04	7.11E-08	2.79E-08	4.60E-04	7.25E-08	2.85E-08	4.60E-04	7.24E-08	2.85E-08
3942	472363.09, 3853877.25	4.84E-04	7.63E-08	3.00E-08	4.94E-04	7.78E-08	3.06E-08	4.93E-04	7.77E-08	3.05E-08
3943	472863.09, 3853877.25	5.28E-04	8.31E-08	3.27E-08	5.39E-04	8.48E-08	3.33E-08	5.38E-04	8.47E-08	3.33E-08
3944	473363.09, 3853877.25	5.52E-04	8.70E-08	3.42E-08	5.64E-04	8.88E-08	3.49E-08	5.63E-04	8.87E-08	3.49E-08
3945	473863.09, 3853877.25	5.78E-04	9.11E-08	3.58E-08	5.90E-04	9.30E-08	3.65E-08	5.90E-04	9.29E-08	3.65E-08
3946	474363.09, 3853877.25	6.10E-04	9.61E-08	3.78E-08	6.23E-04	9.81E-08	3.85E-08	6.22E-04	9.80E-08	3.85E-08
3947	474863.09, 3853877.25	6.29E-04	9.91E-08	3.89E-08	6.42E-04	1.01E-07	3.97E-08	6.41E-04	1.01E-07	3.97E-08
3948	475363.09, 3853877.25	5.90E-04	9.30E-08	3.65E-08	6.02E-04	9.49E-08	3.73E-08	6.02E-04	9.48E-08	3.72E-08
3949	475863.09, 3853877.25	4.73E-04	7.45E-08	2.93E-08	4.83E-04	7.60E-08	2.99E-08	4.82E-04	7.59E-08	2.98E-08
3950	476363.09, 3853877.25	3.58E-04	5.64E-08	2.21E-08	3.65E-04	5.75E-08	2.26E-08	3.65E-04	5.74E-08	2.26E-08
3951	476863.09, 3853877.25	2.35E-04	3.70E-08	1.46E-08	2.40E-04	3.78E-08	1.48E-08	2.40E-04	3.78E-08	1.48E-08
3952	477363.09, 3853877.25	2.61E-04	4.12E-08	1.62E-08	2.67E-04	4.20E-08	1.65E-08	2.66E-04	4.20E-08	1.65E-08
3953	477863.09, 3853877.25	3.22E-04	5.08E-08	2.00E-08	3.29E-04	5.18E-08	2.04E-08	3.29E-04	5.18E-08	2.03E-08
3954	478363.09, 3853877.25	3.41E-04	5.37E-08	2.11E-08	3.48E-04	5.48E-08	2.15E-08	3.47E-04	5.47E-08	2.15E-08
3955	478863.09, 3853877.25	1.94E-04	3.05E-08	1.20E-08	1.98E-04	3.11E-08	1.22E-08	1.97E-04	3.11E-08	1.22E-08
3956	479363.09, 3853877.25	3.15E-04	4.97E-08	1.95E-08	3.22E-04	5.07E-08	1.99E-08	3.21E-04	5.06E-08	1.99E-08
3957	479863.09, 3853877.25	7.25E-04	1.14E-07	4.49E-08	7.40E-04	1.17E-07	4.58E-08	7.39E-04	1.16E-07	4.57E-08
3958	480363.09, 3853877.25	1.10E-03	1.73E-07	6.81E-08	1.12E-03	1.77E-07	6.95E-08	1.12E-03	1.77E-07	6.94E-08
3959	480863.09, 3853877.25	1.81E-03	2.85E-07	1.12E-07	1.85E-03	2.91E-07	1.14E-07	1.84E-03	2.90E-07	1.14E-07
3960	481363.09, 3853877.25	2.34E-03	3.69E-07	1.45E-07	2.39E-03	3.77E-07	1.48E-07	2.39E-03	3.76E-07	1.48E-07
3961	481863.09, 3853877.25	2.95E-03	4.65E-07	1.83E-07	3.01E-03	4.75E-07	1.87E-07	3.01E-03	4.74E-07	1.86E-07
3962	482363.09, 3853877.25	3.42E-03	5.39E-07	2.12E-07	3.49E-03	5.50E-07	2.16E-07	3.48E-03	5.49E-07	2.16E-07
3963	482863.09, 3853877.25	3.59E-03	5.65E-07	2.22E-07	3.66E-03	5.77E-07	2.27E-07	3.66E-03	5.76E-07	2.26E-07
3964	483363.09, 3853877.25	3.46E-03	5.45E-07	2.14E-07	3.53E-03	5.57E-07	2.19E-07	3.53E-03	5.56E-07	2.18E-07
3965	483863.09, 3853877.25	3.28E-03	5.17E-07	2.03E-07	3.35E-03	5.28E-07	2.07E-07	3.35E-03	5.27E-07	2.07E-07

3966	484363.09, 3853877.25	2.77E-03	4.37E-07	1.72E-07	2.83E-03	4.46E-07	1.75E-07	2.83E-03	4.45E-07	1.75E-07
3967	484863.09, 3853877.25	2.26E-03	3.56E-07	1.40E-07	2.30E-03	3.63E-07	1.43E-07	2.30E-03	3.63E-07	1.42E-07
3968	485363.09, 3853877.25	1.69E-03	2.67E-07	1.05E-07	1.73E-03	2.72E-07	1.07E-07	1.73E-03	2.72E-07	1.07E-07
3969	485863.09, 3853877.25	1.72E-03	2.71E-07	1.07E-07	1.76E-03	2.77E-07	1.09E-07	1.75E-03	2.76E-07	1.09E-07
3970	486363.09, 3853877.25	1.56E-03	2.46E-07	9.66E-08	1.59E-03	2.51E-07	9.86E-08	1.59E-03	2.51E-07	9.85E-08
3971	486863.09, 3853877.25	1.42E-03	2.24E-07	8.80E-08	1.45E-03	2.29E-07	8.98E-08	1.45E-03	2.28E-07	8.97E-08
3972	487363.09, 3853877.25	1.40E-03	2.20E-07	8.65E-08	1.43E-03	2.25E-07	8.83E-08	1.43E-03	2.25E-07	8.82E-08
3973	487863.09, 3853877.25	1.44E-03	2.26E-07	8.90E-08	1.47E-03	2.31E-07	9.08E-08	1.46E-03	2.31E-07	9.07E-08
3974	488363.09, 3853877.25	1.40E-03	2.21E-07	8.66E-08	1.43E-03	2.25E-07	8.84E-08	1.43E-03	2.25E-07	8.83E-08
3975	488863.09, 3853877.25	1.39E-03	2.19E-07	8.59E-08	1.42E-03	2.23E-07	8.76E-08	1.41E-03	2.23E-07	8.75E-08
3976	489363.09, 3853877.25	1.28E-03	2.02E-07	7.92E-08	1.31E-03	2.06E-07	8.08E-08	1.30E-03	2.06E-07	8.07E-08
3977	489863.09, 3853877.25	1.24E-03	1.95E-07	7.65E-08	1.26E-03	1.99E-07	7.81E-08	1.26E-03	1.99E-07	7.80E-08
3978	490363.09, 3853877.25	1.17E-03	1.84E-07	7.24E-08	1.19E-03	1.88E-07	7.39E-08	1.19E-03	1.88E-07	7.38E-08
3979	490863.09, 3853877.25	1.13E-03	1.77E-07	6.97E-08	1.15E-03	1.81E-07	7.11E-08	1.15E-03	1.81E-07	7.11E-08
3980	491363.09, 3853877.25	1.09E-03	1.72E-07	6.74E-08	1.11E-03	1.75E-07	6.88E-08	1.11E-03	1.75E-07	6.87E-08
3981	491863.09, 3853877.25	1.05E-03	1.66E-07	6.52E-08	1.07E-03	1.69E-07	6.65E-08	1.07E-03	1.69E-07	6.64E-08
3982	492363.09, 3853877.25	1.04E-03	1.64E-07	6.44E-08	1.06E-03	1.67E-07	6.57E-08	1.06E-03	1.67E-07	6.56E-08
3983	492863.09, 3853877.25	1.01E-03	1.60E-07	6.28E-08	1.03E-03	1.63E-07	6.40E-08	1.03E-03	1.63E-07	6.40E-08
3984	493363.09, 3853877.25	9.72E-04	1.53E-07	6.02E-08	9.92E-04	1.56E-07	6.14E-08	9.91E-04	1.56E-07	6.13E-08
3985	493863.09, 3853877.25	9.25E-04	1.46E-07	5.72E-08	9.44E-04	1.49E-07	5.84E-08	9.42E-04	1.48E-07	5.83E-08
3986	494363.09, 3853877.25	8.85E-04	1.39E-07	5.48E-08	9.03E-04	1.42E-07	5.59E-08	9.02E-04	1.42E-07	5.58E-08
3987	494863.09, 3853877.25	8.36E-04	1.32E-07	5.17E-08	8.53E-04	1.34E-07	5.28E-08	8.52E-04	1.34E-07	5.27E-08
3988	495363.09, 3853877.25	7.49E-04	1.18E-07	4.64E-08	7.65E-04	1.20E-07	4.73E-08	7.64E-04	1.20E-07	4.73E-08
3989	495863.09, 3853877.25	6.76E-04	1.06E-07	4.18E-08	6.90E-04	1.09E-07	4.27E-08	6.89E-04	1.09E-07	4.26E-08
3990	496363.09, 3853877.25	6.26E-04	9.85E-08	3.87E-08	6.38E-04	1.01E-07	3.95E-08	6.38E-04	1.00E-07	3.95E-08
3991	496863.09, 3853877.25	5.40E-04	8.51E-08	3.34E-08	5.51E-04	8.69E-08	3.41E-08	5.51E-04	8.68E-08	3.41E-08
3992	497363.09, 3853877.25	4.67E-04	7.36E-08	2.89E-08	4.77E-04	7.51E-08	2.95E-08	4.76E-04	7.50E-08	2.95E-08
3993	497863.09, 3853877.25	3.70E-04	5.82E-08	2.29E-08	3.77E-04	5.94E-08	2.33E-08	3.77E-04	5.93E-08	2.33E-08
3994	498363.09, 3853877.25	3.14E-04	4.95E-08	1.95E-08	3.21E-04	5.05E-08	1.99E-08	3.20E-04	5.05E-08	1.98E-08
3995	471363.09, 3854377.25	3.90E-04	6.15E-08	2.41E-08	3.98E-04	6.27E-08	2.46E-08	3.98E-04	6.26E-08	2.46E-08
3996	471863.09, 3854377.25	4.31E-04	6.79E-08	2.67E-08	4.40E-04	6.93E-08	2.72E-08	4.39E-04	6.92E-08	2.72E-08
3997	472363.09, 3854377.25	4.65E-04	7.32E-08	2.88E-08	4.74E-04	7.47E-08	2.93E-08	4.74E-04	7.46E-08	2.93E-08
3998	472863.09, 3854377.25	4.89E-04	7.70E-08	3.02E-08	4.99E-04	7.85E-08	3.09E-08	4.98E-04	7.84E-08	3.08E-08
3999	473363.09, 3854377.25	5.20E-04	8.20E-08	3.22E-08	5.31E-04	8.37E-08	3.29E-08	5.30E-04	8.36E-08	3.28E-08
4000	473863.09, 3854377.25	5.59E-04	8.81E-08	3.46E-08	5.70E-04	8.99E-08	3.53E-08	5.70E-04	8.98E-08	3.53E-08
4001	474363.09, 3854377.25	5.91E-04	9.32E-08	3.66E-08	6.03E-04	9.51E-08	3.73E-08	6.03E-04	9.50E-08	3.73E-08
4002	474863.09, 3854377.25	5.55E-04	8.75E-08	3.44E-08	5.67E-04	8.93E-08	3.51E-08	5.66E-04	8.92E-08	3.50E-08
4003	475363.09, 3854377.25	4.56E-04	7.19E-08	2.82E-08	4.66E-04	7.34E-08	2.88E-08	4.65E-04	7.33E-08	2.88E-08
4004	475863.09, 3854377.25	2.68E-04	4.21E-08	1.66E-08	2.73E-04	4.30E-08	1.69E-08	2.73E-04	4.30E-08	1.69E-08
4005	476363.09, 3854377.25	2.17E-04	3.43E-08	1.35E-08	2.22E-04	3.50E-08	1.37E-08	2.22E-04	3.49E-08	1.37E-08
4006	476863.09, 3854377.25	1.93E-04	3.05E-08	1.20E-08	1.97E-04	3.11E-08	1.22E-08	1.97E-04	3.10E-08	1.22E-08
4007	477363.09, 3854377.25	1.79E-04	2.83E-08	1.11E-08	1.83E-04	2.88E-08	1.13E-08	1.83E-04	2.88E-08	1.13E-08
4008	477863.09, 3854377.25	1.75E-04	2.76E-08	1.09E-08	1.79E-04	2.82E-08	1.11E-08	1.79E-04	2.82E-08	1.11E-08
4009	478363.09, 3854377.25	2.18E-04	3.43E-08	1.35E-08	2.22E-04	3.50E-08	1.38E-08	2.22E-04	3.50E-08	1.37E-08
4010	478863.09, 3854377.25	2.38E-04	3.76E-08	1.48E-08	2.43E-04	3.83E-08	1.51E-08	2.43E-04	3.83E-08	1.50E-08
4011	479363.09, 3854377.25	4.42E-04	6.96E-08	2.74E-08	4.51E-04	7.11E-08	2.79E-08	4.50E-04	7.10E-08	2.79E-08
4012	479863.09, 3854377.25	5.88E-04	9.27E-08	3.64E-08	6.00E-04	9.45E-08	3.71E-08	5.99E-04	9.44E-08	3.71E-08
4013	480363.09, 3854377.25	8.19E-04	1.29E-07	5.07E-08	8.36E-04	1.32E-07	5.17E-08	8.35E-04	1.31E-07	5.17E-08
4014	480863.09, 3854377.25	1.21E-03	1.91E-07	7.50E-08	1.24E-03	1.95E-07	7.66E-08	1.24E-03	1.95E-07	7.65E-08
4015	481363.09, 3854377.25	1.61E-03	2.53E-07	9.94E-08	1.64E-03	2.58E-07	1.01E-07	1.64E-03	2.58E-07	1.01E-07
4016	481863.09, 3854377.25	2.00E-03	3.15E-07	1.24E-07	2.04E-03	3.22E-07	1.26E-07	2.04E-03	3.22E-07	1.26E-07
4017	482363.09, 3854377.25	2.07E-03	3.25E-07	1.28E-07	2.11E-03	3.32E-07	1.30E-07	2.11E-03	3.32E-07	1.30E-07
4018	482863.09, 3854377.25	2.06E-03	3.24E-07	1.27E-07	2.10E-03	3.31E-07	1.30E-07	2.10E-03	3.30E-07	1.30E-07
4019	483363.09, 3854377.25	2.02E-03	3.18E-07	1.25E-07	2.06E-03	3.24E-07	1.27E-07	2.06E-03	3.24E-07	1.27E-07
4020	483863.09, 3854377.25	1.83E-03	2.88E-07	1.13E-07	1.87E-03	2.94E-07	1.15E-07	1.86E-03	2.94E-07	1.15E-07
4021	484363.09, 3854377.25	1.55E-03	2.44E-07	9.58E-08	1.58E-03	2.49E-07	9.78E-08	1.58E-03	2.49E-07	9.77E-08
4022	484863.09, 3854377.25	1.28E-03	2.02E-07	7.95E-08	1.31E-03	2.06E-07	8.11E-08	1.31E-03	2.06E-07	8.10E-08
4023	485363.09, 3854377.25	1.47E-03	2.32E-07	9.11E-08	1.50E-03	2.37E-07	9.29E-08	1.50E-03	2.36E-07	9.28E-08
4024	485863.09, 3854377.25	1.31E-03	2.07E-07	8.11E-08	1.34E-03	2.11E-07	8.28E-08	1.34E-03	2.10E-07	8.27E-08
4025	486363.09, 3854377.25	1.37E-03	2.16E-07	8.47E-08	1.40E-03	2.20E-07	8.65E-08	1.40E-03	2.20E-07	8.64E-08
4026	486863.09, 3854377.25	1.29E-03	2.03E-07	7.97E-08	1.31E-03	2.07E-07	8.13E-08	1.31E-03	2.07E-07	8.12E-08
4027	487363.09, 3854377.25	1.27E-03	2.00E-07	7.86E-08	1.30E-03	2.04E-07	8.02E-08	1.29E-03	2.04E-07	8.01E-08
4028	487863.09, 3854377.25	1.30E-03	2.04E-07	8.02E-08	1.32E-03	2.08E-07	8.19E-08	1.32E-03	2.08E-07	8.18E-08

4029	488363.09, 3854377.25	1.29E-03	2.04E-07	8.00E-08	1.32E-03	2.08E-07	8.17E-08	1.32E-03	2.08E-07	8.16E-08
4030	488863.09, 3854377.25	1.27E-03	2.00E-07	7.85E-08	1.29E-03	2.04E-07	8.01E-08	1.29E-03	2.04E-07	8.00E-08
4031	489363.09, 3854377.25	1.23E-03	1.94E-07	7.62E-08	1.26E-03	1.98E-07	7.77E-08	1.25E-03	1.98E-07	7.76E-08
4032	489863.09, 3854377.25	1.18E-03	1.86E-07	7.32E-08	1.21E-03	1.90E-07	7.47E-08	1.21E-03	1.90E-07	7.46E-08
4033	490363.09, 3854377.25	1.13E-03	1.78E-07	6.99E-08	1.15E-03	1.82E-07	7.13E-08	1.15E-03	1.81E-07	7.12E-08
4034	490863.09, 3854377.25	9.87E-04	1.55E-07	6.11E-08	1.01E-03	1.59E-07	6.23E-08	1.01E-03	1.58E-07	6.22E-08
4035	491363.09, 3854377.25	1.01E-03	1.59E-07	6.26E-08	1.03E-03	1.63E-07	6.39E-08	1.03E-03	1.62E-07	6.38E-08
4036	491863.09, 3854377.25	1.01E-03	1.60E-07	6.28E-08	1.04E-03	1.63E-07	6.41E-08	1.03E-03	1.63E-07	6.40E-08
4037	492363.09, 3854377.25	9.94E-04	1.57E-07	6.15E-08	1.01E-03	1.60E-07	6.28E-08	1.01E-03	1.60E-07	6.27E-08
4038	492863.09, 3854377.25	9.59E-04	1.51E-07	5.94E-08	9.79E-04	1.54E-07	6.06E-08	9.78E-04	1.54E-07	6.05E-08
4039	493363.09, 3854377.25	9.17E-04	1.44E-07	5.67E-08	9.35E-04	1.47E-07	5.79E-08	9.34E-04	1.47E-07	5.78E-08
4040	493863.09, 3854377.25	8.73E-04	1.38E-07	5.40E-08	8.91E-04	1.40E-07	5.51E-08	8.90E-04	1.40E-07	5.51E-08
4041	494363.09, 3854377.25	8.33E-04	1.31E-07	5.16E-08	8.50E-04	1.34E-07	5.26E-08	8.49E-04	1.34E-07	5.25E-08
4042	494863.09, 3854377.25	7.28E-04	1.15E-07	4.50E-08	7.42E-04	1.17E-07	4.59E-08	7.42E-04	1.17E-07	4.59E-08
4043	495363.09, 3854377.25	6.10E-04	9.60E-08	3.77E-08	6.22E-04	9.80E-08	3.85E-08	6.21E-04	9.79E-08	3.85E-08
4044	495863.09, 3854377.25	5.27E-04	8.31E-08	3.26E-08	5.38E-04	8.48E-08	3.33E-08	5.38E-04	8.47E-08	3.33E-08
4045	496363.09, 3854377.25	4.88E-04	7.69E-08	3.02E-08	4.98E-04	7.85E-08	3.08E-08	4.98E-04	7.84E-08	3.08E-08
4046	496863.09, 3854377.25	4.35E-04	6.85E-08	2.69E-08	4.44E-04	6.99E-08	2.75E-08	4.43E-04	6.98E-08	2.74E-08
4047	497363.09, 3854377.25	3.48E-04	5.49E-08	2.16E-08	3.55E-04	5.60E-08	2.20E-08	3.55E-04	5.59E-08	2.20E-08
4048	497863.09, 3854377.25	3.64E-04	5.74E-08	2.25E-08	3.72E-04	5.85E-08	2.30E-08	3.71E-04	5.85E-08	2.30E-08
4049	498363.09, 3854377.25	3.19E-04	5.03E-08	1.97E-08	3.26E-04	5.13E-08	2.02E-08	3.25E-04	5.12E-08	2.01E-08
4050	471363.09, 3854877.25	3.84E-04	6.05E-08	2.38E-08	3.92E-04	6.17E-08	2.42E-08	3.91E-04	6.16E-08	2.42E-08
4051	471863.09, 3854877.25	4.13E-04	6.50E-08	2.55E-08	4.21E-04	6.63E-08	2.61E-08	4.20E-04	6.62E-08	2.60E-08
4052	472363.09, 3854877.25	4.39E-04	6.92E-08	2.72E-08	4.48E-04	7.06E-08	2.77E-08	4.48E-04	7.05E-08	2.77E-08
4053	472863.09, 3854877.25	4.48E-04	7.06E-08	2.77E-08	4.57E-04	7.20E-08	2.83E-08	4.56E-04	7.19E-08	2.83E-08
4054	473363.09, 3854877.25	4.85E-04	7.65E-08	3.00E-08	4.95E-04	7.80E-08	3.06E-08	4.95E-04	7.79E-08	3.06E-08
4055	473863.09, 3854877.25	5.20E-04	8.19E-08	3.22E-08	5.30E-04	8.36E-08	3.28E-08	5.30E-04	8.35E-08	3.28E-08
4056	474363.09, 3854877.25	5.63E-04	8.87E-08	3.48E-08	5.75E-04	9.05E-08	3.56E-08	5.74E-04	9.04E-08	3.55E-08
4057	474863.09, 3854877.25	4.64E-04	7.31E-08	2.87E-08	4.73E-04	7.46E-08	2.93E-08	4.73E-04	7.45E-08	2.93E-08
4058	475363.09, 3854877.25	3.34E-04	5.26E-08	2.07E-08	3.41E-04	5.37E-08	2.11E-08	3.40E-04	5.36E-08	2.11E-08
4059	475863.09, 3854877.25	2.16E-04	3.40E-08	1.34E-08	2.20E-04	3.47E-08	1.36E-08	2.20E-04	3.47E-08	1.36E-08
4060	476363.09, 3854877.25	1.00E-04	1.58E-08	6.20E-09	1.02E-04	1.61E-08	6.33E-09	1.02E-04	1.61E-08	6.32E-09
4061	476863.09, 3854877.25	9.16E-05	1.44E-08	5.67E-09	9.35E-05	1.47E-08	5.79E-09	9.34E-05	1.47E-08	5.78E-09
4062	477363.09, 3854877.25	1.20E-04	1.89E-08	7.44E-09	1.23E-04	1.93E-08	7.59E-09	1.23E-04	1.93E-08	7.58E-09
4063	477863.09, 3854877.25	1.48E-04	2.33E-08	9.14E-09	1.51E-04	2.37E-08	9.32E-09	1.50E-04	2.37E-08	9.31E-09
4064	478363.09, 3854877.25	2.26E-04	3.57E-08	1.40E-08	2.31E-04	3.64E-08	1.43E-08	2.31E-04	3.63E-08	1.43E-08
4065	478863.09, 3854877.25	3.57E-04	5.62E-08	2.21E-08	3.64E-04	5.74E-08	2.25E-08	3.64E-04	5.73E-08	2.25E-08
4066	479363.09, 3854877.25	5.24E-04	8.25E-08	3.24E-08	5.35E-04	8.42E-08	3.31E-08	5.34E-04	8.41E-08	3.30E-08
4067	479863.09, 3854877.25	7.13E-04	1.12E-07	4.41E-08	7.28E-04	1.15E-07	4.50E-08	7.27E-04	1.14E-07	4.50E-08
4068	480363.09, 3854877.25	8.59E-04	1.35E-07	5.31E-08	8.76E-04	1.38E-07	5.42E-08	8.75E-04	1.38E-07	5.42E-08
4069	480863.09, 3854877.25	1.12E-03	1.76E-07	6.91E-08	1.14E-03	1.80E-07	7.05E-08	1.14E-03	1.79E-07	7.05E-08
4070	481363.09, 3854877.25	1.27E-03	2.00E-07	7.85E-08	1.29E-03	2.04E-07	8.01E-08	1.29E-03	2.04E-07	8.00E-08
4071	481863.09, 3854877.25	1.20E-03	1.89E-07	7.42E-08	1.22E-03	1.93E-07	7.58E-08	1.22E-03	1.93E-07	7.57E-08
4072	482363.09, 3854877.25	1.50E-03	2.37E-07	9.31E-08	1.54E-03	2.42E-07	9.50E-08	1.53E-03	2.42E-07	9.49E-08
4073	482863.09, 3854877.25	1.49E-03	2.35E-07	9.23E-08	1.52E-03	2.40E-07	9.42E-08	1.52E-03	2.39E-07	9.40E-08
4074	483363.09, 3854877.25	1.49E-03	2.35E-07	9.25E-08	1.52E-03	2.40E-07	9.43E-08	1.52E-03	2.40E-07	9.42E-08
4075	483863.09, 3854877.25	1.46E-03	2.30E-07	9.05E-08	1.49E-03	2.35E-07	9.23E-08	1.49E-03	2.35E-07	9.22E-08
4076	484363.09, 3854877.25	1.34E-03	2.11E-07	8.29E-08	1.37E-03	2.15E-07	8.46E-08	1.37E-03	2.15E-07	8.45E-08
4077	484863.09, 3854877.25	1.30E-03	2.05E-07	8.04E-08	1.33E-03	2.09E-07	8.21E-08	1.32E-03	2.09E-07	8.20E-08
4078	485363.09, 3854877.25	1.23E-03	1.95E-07	7.64E-08	1.26E-03	1.99E-07	7.80E-08	1.26E-03	1.98E-07	7.79E-08
4079	485863.09, 3854877.25	1.20E-03	1.90E-07	7.45E-08	1.23E-03	1.93E-07	7.60E-08	1.23E-03	1.93E-07	7.59E-08
4080	486363.09, 3854877.25	1.17E-03	1.84E-07	7.23E-08	1.19E-03	1.88E-07	7.38E-08	1.19E-03	1.88E-07	7.37E-08
4081	486863.09, 3854877.25	1.16E-03	1.83E-07	7.19E-08	1.18E-03	1.87E-07	7.33E-08	1.18E-03	1.86E-07	7.32E-08
4082	487363.09, 3854877.25	1.20E-03	1.89E-07	7.43E-08	1.23E-03	1.93E-07	7.58E-08	1.22E-03	1.93E-07	7.57E-08
4083	487863.09, 3854877.25	1.20E-03	1.88E-07	7.40E-08	1.22E-03	1.92E-07	7.55E-08	1.22E-03	1.92E-07	7.54E-08
4084	488363.09, 3854877.25	1.17E-03	1.85E-07	7.25E-08	1.20E-03	1.88E-07	7.40E-08	1.19E-03	1.88E-07	7.39E-08
4085	488863.09, 3854877.25	1.16E-03	1.83E-07	7.17E-08	1.18E-03	1.86E-07	7.32E-08	1.18E-03	1.86E-07	7.31E-08
4086	489363.09, 3854877.25	1.13E-03	1.78E-07	7.00E-08	1.15E-03	1.82E-07	7.14E-08	1.15E-03	1.82E-07	7.13E-08
4087	489863.09, 3854877.25	1.07E-03	1.69E-07	6.64E-08	1.10E-03	1.73E-07	6.78E-08	1.09E-03	1.72E-07	6.77E-08
4088	490363.09, 3854877.25	9.11E-04	1.44E-07	5.64E-08	9.30E-04	1.47E-07	5.76E-08	9.29E-04	1.46E-07	5.75E-08
4089	490863.09, 3854877.25	7.15E-04	1.13E-07	4.42E-08	7.29E-04	1.15E-07	4.51E-08	7.28E-04	1.15E-07	4.51E-08
4090	491363.09, 3854877.25	7.61E-04	1.20E-07	4.71E-08	7.76E-04	1.22E-07	4.80E-08	7.75E-04	1.22E-07	4.80E-08
4091	491863.09, 3854877.25	9.46E-04	1.49E-07	5.86E-08	9.65E-04	1.52E-07	5.98E-08	9.64E-04	1.52E-07	5.97E-08

4092	492363.09, 3854877.25	9.33E-04	1.47E-07	5.78E-08	9.53E-04	1.50E-07	5.90E-08	9.51E-04	1.50E-07	5.89E-08
4093	492863.09, 3854877.25	9.00E-04	1.42E-07	5.57E-08	9.18E-04	1.45E-07	5.68E-08	9.17E-04	1.44E-07	5.68E-08
4094	493363.09, 3854877.25	8.57E-04	1.35E-07	5.30E-08	8.75E-04	1.38E-07	5.41E-08	8.74E-04	1.38E-07	5.41E-08
4095	493863.09, 3854877.25	8.20E-04	1.29E-07	5.08E-08	8.37E-04	1.32E-07	5.18E-08	8.36E-04	1.32E-07	5.17E-08
4096	494363.09, 3854877.25	6.98E-04	1.10E-07	4.32E-08	7.12E-04	1.12E-07	4.41E-08	7.11E-04	1.12E-07	4.40E-08
4097	494863.09, 3854877.25	5.52E-04	8.69E-08	3.41E-08	5.63E-04	8.87E-08	3.48E-08	5.62E-04	8.86E-08	3.48E-08
4098	495363.09, 3854877.25	4.55E-04	7.17E-08	2.82E-08	4.64E-04	7.31E-08	2.87E-08	4.64E-04	7.30E-08	2.87E-08
4099	495863.09, 3854877.25	4.03E-04	6.35E-08	2.49E-08	4.11E-04	6.48E-08	2.54E-08	4.11E-04	6.47E-08	2.54E-08
4100	496363.09, 3854877.25	3.31E-04	5.22E-08	2.05E-08	3.38E-04	5.32E-08	2.09E-08	3.38E-04	5.32E-08	2.09E-08
4101	496863.09, 3854877.25	2.91E-04	4.59E-08	1.80E-08	2.97E-04	4.68E-08	1.84E-08	2.97E-04	4.68E-08	1.84E-08
4102	497363.09, 3854877.25	2.85E-04	4.48E-08	1.76E-08	2.90E-04	4.58E-08	1.80E-08	2.90E-04	4.57E-08	1.80E-08
4103	497863.09, 3854877.25	3.20E-04	5.04E-08	1.98E-08	3.27E-04	5.14E-08	2.02E-08	3.26E-04	5.14E-08	2.02E-08
4104	498363.09, 3854877.25	3.19E-04	5.03E-08	1.97E-08	3.26E-04	5.13E-08	2.02E-08	3.25E-04	5.12E-08	2.01E-08
4105	471363.09, 3855377.25	3.81E-04	6.00E-08	2.36E-08	3.89E-04	6.12E-08	2.41E-08	3.88E-04	6.12E-08	2.40E-08
4106	471863.09, 3855377.25	3.97E-04	6.26E-08	2.46E-08	4.05E-04	6.39E-08	2.51E-08	4.05E-04	6.38E-08	2.51E-08
4107	472363.09, 3855377.25	4.28E-04	6.75E-08	2.65E-08	4.37E-04	6.89E-08	2.71E-08	4.37E-04	6.88E-08	2.70E-08
4108	472863.09, 3855377.25	4.42E-04	6.96E-08	2.74E-08	4.51E-04	7.11E-08	2.79E-08	4.50E-04	7.10E-08	2.79E-08
4109	473363.09, 3855377.25	4.79E-04	7.55E-08	2.97E-08	4.89E-04	7.70E-08	3.03E-08	4.88E-04	7.69E-08	3.02E-08
4110	473863.09, 3855377.25	5.09E-04	8.01E-08	3.15E-08	5.19E-04	8.18E-08	3.21E-08	5.18E-04	8.17E-08	3.21E-08
4111	474363.09, 3855377.25	5.32E-04	8.37E-08	3.29E-08	5.42E-04	8.55E-08	3.36E-08	5.42E-04	8.54E-08	3.35E-08
4112	474863.09, 3855377.25	4.51E-04	7.11E-08	2.79E-08	4.60E-04	7.25E-08	2.85E-08	4.60E-04	7.24E-08	2.85E-08
4113	475363.09, 3855377.25	1.74E-04	2.75E-08	1.08E-08	1.78E-04	2.80E-08	1.10E-08	1.78E-04	2.80E-08	1.10E-08
4114	475863.09, 3855377.25	1.06E-04	1.68E-08	6.58E-09	1.09E-04	1.71E-08	6.72E-09	1.08E-04	1.71E-08	6.71E-09
4115	476363.09, 3855377.25	1.32E-04	2.08E-08	8.19E-09	1.35E-04	2.13E-08	8.36E-09	1.35E-04	2.12E-08	8.35E-09
4116	476863.09, 3855377.25	1.19E-04	1.88E-08	7.39E-09	1.22E-04	1.92E-08	7.54E-09	1.22E-04	1.92E-08	7.53E-09
4117	477363.09, 3855377.25	1.33E-04	2.10E-08	8.26E-09	1.36E-04	2.15E-08	8.43E-09	1.36E-04	2.14E-08	8.42E-09
4118	477863.09, 3855377.25	1.93E-04	3.05E-08	1.20E-08	1.97E-04	3.11E-08	1.22E-08	1.97E-04	3.10E-08	1.22E-08
4119	478363.09, 3855377.25	2.69E-04	4.24E-08	1.66E-08	2.75E-04	4.32E-08	1.70E-08	2.74E-04	4.32E-08	1.70E-08
4120	478863.09, 3855377.25	3.50E-04	5.51E-08	2.16E-08	3.57E-04	5.62E-08	2.21E-08	3.56E-04	5.62E-08	2.21E-08
4121	479363.09, 3855377.25	4.60E-04	7.25E-08	2.85E-08	4.70E-04	7.40E-08	2.91E-08	4.69E-04	7.39E-08	2.90E-08
4122	479863.09, 3855377.25	5.63E-04	8.88E-08	3.49E-08	5.75E-04	9.06E-08	3.56E-08	5.74E-04	9.05E-08	3.55E-08
4123	480363.09, 3855377.25	7.53E-04	1.19E-07	4.66E-08	7.69E-04	1.21E-07	4.76E-08	7.68E-04	1.21E-07	4.75E-08
4124	480863.09, 3855377.25	9.77E-04	1.54E-07	6.05E-08	9.97E-04	1.57E-07	6.17E-08	9.96E-04	1.57E-07	6.17E-08
4125	481363.09, 3855377.25	1.14E-03	1.80E-07	7.06E-08	1.16E-03	1.83E-07	7.20E-08	1.16E-03	1.83E-07	7.19E-08
4126	481863.09, 3855377.25	1.20E-03	1.89E-07	7.41E-08	1.22E-03	1.93E-07	7.56E-08	1.22E-03	1.92E-07	7.55E-08
4127	482363.09, 3855377.25	1.19E-03	1.88E-07	7.38E-08	1.22E-03	1.92E-07	7.53E-08	1.22E-03	1.91E-07	7.52E-08
4128	482863.09, 3855377.25	1.19E-03	1.87E-07	7.33E-08	1.21E-03	1.91E-07	7.48E-08	1.21E-03	1.90E-07	7.48E-08
4129	483363.09, 3855377.25	1.19E-03	1.87E-07	7.36E-08	1.21E-03	1.91E-07	7.51E-08	1.21E-03	1.91E-07	7.50E-08
4130	483863.09, 3855377.25	1.20E-03	1.89E-07	7.41E-08	1.22E-03	1.92E-07	7.56E-08	1.22E-03	1.92E-07	7.55E-08
4131	484363.09, 3855377.25	1.19E-03	1.88E-07	7.39E-08	1.22E-03	1.92E-07	7.54E-08	1.22E-03	1.92E-07	7.53E-08
4132	484863.09, 3855377.25	1.17E-03	1.85E-07	7.26E-08	1.20E-03	1.89E-07	7.41E-08	1.20E-03	1.88E-07	7.40E-08
4133	485363.09, 3855377.25	1.16E-03	1.82E-07	7.15E-08	1.18E-03	1.86E-07	7.30E-08	1.18E-03	1.86E-07	7.29E-08
4134	485863.09, 3855377.25	1.09E-03	1.72E-07	6.77E-08	1.12E-03	1.76E-07	6.91E-08	1.12E-03	1.76E-07	6.90E-08
4135	486363.09, 3855377.25	1.05E-03	1.66E-07	6.50E-08	1.07E-03	1.69E-07	6.64E-08	1.07E-03	1.69E-07	6.63E-08
4136	486863.09, 3855377.25	1.02E-03	1.60E-07	6.30E-08	1.04E-03	1.64E-07	6.42E-08	1.04E-03	1.63E-07	6.42E-08
4137	487363.09, 3855377.25	1.06E-03	1.66E-07	6.54E-08	1.08E-03	1.70E-07	6.67E-08	1.08E-03	1.70E-07	6.66E-08
4138	487863.09, 3855377.25	1.09E-03	1.72E-07	6.75E-08	1.11E-03	1.75E-07	6.88E-08	1.11E-03	1.75E-07	6.88E-08
4139	488363.09, 3855377.25	1.10E-03	1.73E-07	6.80E-08	1.12E-03	1.77E-07	6.94E-08	1.12E-03	1.77E-07	6.93E-08
4140	488863.09, 3855377.25	1.08E-03	1.70E-07	6.69E-08	1.10E-03	1.74E-07	6.82E-08	1.10E-03	1.73E-07	6.82E-08
4141	489363.09, 3855377.25	1.04E-03	1.63E-07	6.42E-08	1.06E-03	1.67E-07	6.55E-08	1.06E-03	1.67E-07	6.54E-08
4142	489863.09, 3855377.25	9.89E-04	1.56E-07	6.12E-08	1.01E-03	1.59E-07	6.25E-08	1.01E-03	1.59E-07	6.24E-08
4143	490363.09, 3855377.25	9.72E-04	1.53E-07	6.01E-08	9.91E-04	1.56E-07	6.14E-08	9.90E-04	1.56E-07	6.13E-08
4144	490863.09, 3855377.25	7.69E-04	1.21E-07	4.76E-08	7.85E-04	1.24E-07	4.86E-08	7.84E-04	1.23E-07	4.85E-08
4145	491363.09, 3855377.25	6.94E-04	1.09E-07	4.29E-08	7.08E-04	1.12E-07	4.38E-08	7.07E-04	1.11E-07	4.38E-08
4146	491863.09, 3855377.25	8.69E-04	1.37E-07	5.38E-08	8.87E-04	1.40E-07	5.49E-08	8.86E-04	1.40E-07	5.48E-08
4147	492363.09, 3855377.25	8.60E-04	1.35E-07	5.32E-08	8.78E-04	1.38E-07	5.43E-08	8.77E-04	1.38E-07	5.43E-08
4148	492863.09, 3855377.25	8.32E-04	1.31E-07	5.15E-08	8.49E-04	1.34E-07	5.26E-08	8.48E-04	1.34E-07	5.25E-08
4149	493363.09, 3855377.25	7.79E-04	1.23E-07	4.82E-08	7.95E-04	1.25E-07	4.92E-08	7.94E-04	1.25E-07	4.92E-08
4150	493863.09, 3855377.25	6.73E-04	1.06E-07	4.17E-08	6.87E-04	1.08E-07	4.25E-08	6.86E-04	1.08E-07	4.25E-08
4151	494363.09, 3855377.25	5.45E-04	8.59E-08	3.38E-08	5.57E-04	8.77E-08	3.44E-08	5.56E-04	8.76E-08	3.44E-08
4152	494863.09, 3855377.25	4.19E-04	6.60E-08	2.59E-08	4.27E-04	6.73E-08	2.64E-08	4.27E-04	6.72E-08	2.64E-08
4153	495363.09, 3855377.25	3.33E-04	5.25E-08	2.06E-08	3.40E-04	5.36E-08	2.10E-08	3.40E-04	5.35E-08	2.10E-08
4154	495863.09, 3855377.25	2.81E-04	4.42E-08	1.74E-08	2.86E-04	4.51E-08	1.77E-08	2.86E-04	4.50E-08	1.77E-08

4155	496363.09, 3855377.25	2.77E-04	4.36E-08	1.71E-08	2.82E-04	4.45E-08	1.75E-08	2.82E-04	4.44E-08	1.75E-08
4156	496863.09, 3855377.25	2.76E-04	4.34E-08	1.71E-08	2.81E-04	4.43E-08	1.74E-08	2.81E-04	4.43E-08	1.74E-08
4157	497363.09, 3855377.25	2.87E-04	4.53E-08	1.78E-08	2.93E-04	4.62E-08	1.81E-08	2.93E-04	4.61E-08	1.81E-08
4158	497863.09, 3855377.25	3.10E-04	4.88E-08	1.92E-08	3.16E-04	4.98E-08	1.96E-08	3.16E-04	4.98E-08	1.96E-08
4159	498363.09, 3855377.25	3.39E-04	5.33E-08	2.10E-08	3.45E-04	5.44E-08	2.14E-08	3.45E-04	5.44E-08	2.14E-08
4160	471363.09, 3855877.25	3.72E-04	5.86E-08	2.30E-08	3.80E-04	5.98E-08	2.35E-08	3.79E-04	5.98E-08	2.35E-08
4161	471863.09, 3855877.25	3.89E-04	6.13E-08	2.41E-08	3.97E-04	6.25E-08	2.46E-08	3.96E-04	6.25E-08	2.45E-08
4162	472363.09, 3855877.25	4.24E-04	6.68E-08	2.62E-08	4.33E-04	6.82E-08	2.68E-08	4.32E-04	6.81E-08	2.67E-08
4163	472863.09, 3855877.25	4.30E-04	6.77E-08	2.66E-08	4.39E-04	6.91E-08	2.72E-08	4.38E-04	6.90E-08	2.71E-08
4164	473363.09, 3855877.25	4.71E-04	7.42E-08	2.91E-08	4.80E-04	7.57E-08	2.97E-08	4.80E-04	7.56E-08	2.97E-08
4165	473863.09, 3855877.25	4.99E-04	7.86E-08	3.09E-08	5.09E-04	8.02E-08	3.15E-08	5.08E-04	8.01E-08	3.15E-08
4166	474363.09, 3855877.25	5.14E-04	8.09E-08	3.18E-08	5.24E-04	8.26E-08	3.24E-08	5.23E-04	8.25E-08	3.24E-08
4167	474863.09, 3855877.25	4.11E-04	6.48E-08	2.54E-08	4.19E-04	6.61E-08	2.60E-08	4.19E-04	6.60E-08	2.59E-08
4168	475363.09, 3855877.25	2.36E-04	3.71E-08	1.46E-08	2.41E-04	3.79E-08	1.49E-08	2.40E-04	3.78E-08	1.49E-08
4169	475863.09, 3855877.25	6.84E-05	1.08E-08	4.23E-09	6.98E-05	1.10E-08	4.32E-09	6.97E-05	1.10E-08	4.31E-09
4170	476363.09, 3855877.25	7.19E-05	1.13E-08	4.45E-09	7.34E-05	1.16E-08	4.54E-09	7.33E-05	1.15E-08	4.54E-09
4171	476863.09, 3855877.25	1.29E-04	2.03E-08	7.97E-09	1.31E-04	2.07E-08	8.13E-09	1.31E-04	2.07E-08	8.12E-09
4172	477363.09, 3855877.25	1.64E-04	2.59E-08	1.02E-08	1.67E-04	2.64E-08	1.04E-08	1.67E-04	2.64E-08	1.04E-08
4173	477863.09, 3855877.25	2.10E-04	3.31E-08	1.30E-08	2.15E-04	3.38E-08	1.33E-08	2.14E-04	3.38E-08	1.33E-08
4174	478363.09, 3855877.25	2.79E-04	4.40E-08	1.73E-08	2.85E-04	4.49E-08	1.76E-08	2.85E-04	4.49E-08	1.76E-08
4175	478863.09, 3855877.25	3.70E-04	5.83E-08	2.29E-08	3.77E-04	5.94E-08	2.34E-08	3.77E-04	5.94E-08	2.33E-08
4176	479363.09, 3855877.25	4.83E-04	7.61E-08	2.99E-08	4.93E-04	7.77E-08	3.05E-08	4.93E-04	7.76E-08	3.05E-08
4177	479863.09, 3855877.25	5.78E-04	9.10E-08	3.57E-08	5.89E-04	9.28E-08	3.65E-08	5.89E-04	9.27E-08	3.64E-08
4178	480363.09, 3855877.25	7.01E-04	1.10E-07	4.34E-08	7.15E-04	1.13E-07	4.43E-08	7.14E-04	1.13E-07	4.42E-08
4179	480863.09, 3855877.25	8.31E-04	1.31E-07	5.14E-08	8.48E-04	1.34E-07	5.25E-08	8.47E-04	1.33E-07	5.24E-08
4180	481363.09, 3855877.25	8.27E-04	1.30E-07	5.12E-08	8.44E-04	1.33E-07	5.22E-08	8.43E-04	1.33E-07	5.22E-08
4181	481863.09, 3855877.25	9.80E-04	1.54E-07	6.06E-08	1.00E-03	1.57E-07	6.19E-08	9.99E-04	1.57E-07	6.18E-08
4182	482363.09, 3855877.25	9.82E-04	1.55E-07	6.08E-08	1.00E-03	1.58E-07	6.20E-08	1.00E-03	1.58E-07	6.19E-08
4183	482863.09, 3855877.25	9.89E-04	1.56E-07	6.12E-08	1.01E-03	1.59E-07	6.25E-08	1.01E-03	1.59E-07	6.24E-08
4184	483363.09, 3855877.25	1.01E-03	1.59E-07	6.23E-08	1.03E-03	1.62E-07	6.36E-08	1.03E-03	1.62E-07	6.35E-08
4185	483863.09, 3855877.25	1.01E-03	1.58E-07	6.22E-08	1.03E-03	1.62E-07	6.35E-08	1.02E-03	1.61E-07	6.34E-08
4186	484363.09, 3855877.25	1.03E-03	1.63E-07	6.39E-08	1.05E-03	1.66E-07	6.52E-08	1.05E-03	1.66E-07	6.51E-08
4187	484863.09, 3855877.25	1.03E-03	1.63E-07	6.39E-08	1.05E-03	1.66E-07	6.52E-08	1.05E-03	1.66E-07	6.51E-08
4188	485363.09, 3855877.25	1.02E-03	1.60E-07	6.29E-08	1.04E-03	1.63E-07	6.42E-08	1.04E-03	1.63E-07	6.41E-08
4189	485863.09, 3855877.25	1.02E-03	1.60E-07	6.30E-08	1.04E-03	1.64E-07	6.42E-08	1.04E-03	1.63E-07	6.42E-08
4190	486363.09, 3855877.25	9.51E-04	1.50E-07	5.89E-08	9.71E-04	1.53E-07	6.01E-08	9.69E-04	1.53E-07	6.00E-08
4191	486863.09, 3855877.25	9.22E-04	1.45E-07	5.71E-08	9.41E-04	1.48E-07	5.82E-08	9.40E-04	1.48E-07	5.82E-08
4192	487363.09, 3855877.25	9.45E-04	1.49E-07	5.85E-08	9.64E-04	1.52E-07	5.97E-08	9.63E-04	1.52E-07	5.96E-08
4193	487863.09, 3855877.25	9.60E-04	1.51E-07	5.94E-08	9.80E-04	1.54E-07	6.06E-08	9.79E-04	1.54E-07	6.06E-08
4194	488363.09, 3855877.25	9.82E-04	1.55E-07	6.08E-08	1.00E-03	1.58E-07	6.20E-08	1.00E-03	1.58E-07	6.20E-08
4195	488863.09, 3855877.25	9.96E-04	1.57E-07	6.16E-08	1.02E-03	1.60E-07	6.29E-08	1.01E-03	1.60E-07	6.28E-08
4196	489363.09, 3855877.25	9.78E-04	1.54E-07	6.05E-08	9.98E-04	1.57E-07	6.18E-08	9.97E-04	1.57E-07	6.17E-08
4197	489863.09, 3855877.25	9.47E-04	1.49E-07	5.86E-08	9.66E-04	1.52E-07	5.98E-08	9.65E-04	1.52E-07	5.97E-08
4198	490363.09, 3855877.25	9.18E-04	1.45E-07	5.68E-08	9.37E-04	1.48E-07	5.80E-08	9.36E-04	1.47E-07	5.79E-08
4199	490863.09, 3855877.25	8.70E-04	1.37E-07	5.38E-08	8.88E-04	1.40E-07	5.49E-08	8.87E-04	1.40E-07	5.49E-08
4200	491363.09, 3855877.25	7.95E-04	1.25E-07	4.92E-08	8.12E-04	1.28E-07	5.02E-08	8.11E-04	1.28E-07	5.02E-08
4201	491863.09, 3855877.25	8.29E-04	1.31E-07	5.13E-08	8.46E-04	1.33E-07	5.24E-08	8.45E-04	1.33E-07	5.23E-08
4202	492363.09, 3855877.25	7.96E-04	1.25E-07	4.93E-08	8.13E-04	1.28E-07	5.03E-08	8.12E-04	1.28E-07	5.02E-08
4203	492863.09, 3855877.25	7.69E-04	1.21E-07	4.76E-08	7.85E-04	1.24E-07	4.86E-08	7.84E-04	1.23E-07	4.85E-08
4204	493363.09, 3855877.25	6.70E-04	1.06E-07	4.15E-08	6.84E-04	1.08E-07	4.23E-08	6.83E-04	1.08E-07	4.23E-08
4205	493863.09, 3855877.25	5.39E-04	8.49E-08	3.33E-08	5.50E-04	8.66E-08	3.40E-08	5.49E-04	8.65E-08	3.40E-08
4206	494363.09, 3855877.25	4.10E-04	6.46E-08	2.54E-08	4.19E-04	6.59E-08	2.59E-08	4.18E-04	6.59E-08	2.59E-08
4207	494863.09, 3855877.25	3.24E-04	5.11E-08	2.01E-08	3.31E-04	5.22E-08	2.05E-08	3.31E-04	5.21E-08	2.05E-08
4208	495363.09, 3855877.25	2.44E-04	3.84E-08	1.51E-08	2.49E-04	3.92E-08	1.54E-08	2.48E-04	3.91E-08	1.54E-08
4209	495863.09, 3855877.25	2.47E-04	3.89E-08	1.53E-08	2.52E-04	3.96E-08	1.56E-08	2.51E-04	3.96E-08	1.56E-08
4210	496363.09, 3855877.25	2.53E-04	3.99E-08	1.57E-08	2.59E-04	4.07E-08	1.60E-08	2.58E-04	4.07E-08	1.60E-08
4211	496863.09, 3855877.25	2.73E-04	4.29E-08	1.69E-08	2.78E-04	4.38E-08	1.72E-08	2.78E-04	4.38E-08	1.72E-08
4212	497363.09, 3855877.25	2.95E-04	4.64E-08	1.82E-08	3.01E-04	4.74E-08	1.86E-08	3.00E-04	4.73E-08	1.86E-08
4213	497863.09, 3855877.25	3.23E-04	5.09E-08	2.00E-08	3.30E-04	5.20E-08	2.04E-08	3.29E-04	5.19E-08	2.04E-08
4214	498363.09, 3855877.25	3.77E-04	5.95E-08	2.34E-08	3.85E-04	6.07E-08	2.38E-08	3.85E-04	6.06E-08	2.38E-08
4215	471363.09, 3856377.25	3.58E-04	5.64E-08	2.22E-08	3.66E-04	5.76E-08	2.26E-08	3.65E-04	5.75E-08	2.26E-08
4216	471863.09, 3856377.25	3.72E-04	5.86E-08	2.30E-08	3.80E-04	5.98E-08	2.35E-08	3.79E-04	5.98E-08	2.35E-08
4217	472363.09, 3856377.25	3.96E-04	6.24E-08	2.45E-08	4.04E-04	6.37E-08	2.50E-08	4.04E-04	6.36E-08	2.50E-08

4218	472863.09, 3856377.25	4.23E-04	6.67E-08	2.62E-08	4.32E-04	6.80E-08	2.67E-08	4.31E-04	6.79E-08	2.67E-08
4219	473363.09, 3856377.25	4.46E-04	7.02E-08	2.76E-08	4.55E-04	7.16E-08	2.81E-08	4.54E-04	7.15E-08	2.81E-08
4220	473863.09, 3856377.25	4.84E-04	7.62E-08	2.99E-08	4.93E-04	7.77E-08	3.05E-08	4.93E-04	7.76E-08	3.05E-08
4221	474363.09, 3856377.25	4.74E-04	7.46E-08	2.93E-08	4.83E-04	7.61E-08	2.99E-08	4.83E-04	7.60E-08	2.99E-08
4222	474863.09, 3856377.25	4.42E-04	6.97E-08	2.74E-08	4.51E-04	7.11E-08	2.79E-08	4.51E-04	7.10E-08	2.79E-08
4223	475363.09, 3856377.25	3.52E-04	5.54E-08	2.18E-08	3.59E-04	5.66E-08	2.22E-08	3.59E-04	5.65E-08	2.22E-08
4224	475863.09, 3856377.25	2.22E-04	3.49E-08	1.37E-08	2.26E-04	3.56E-08	1.40E-08	2.26E-04	3.56E-08	1.40E-08
4225	476363.09, 3856377.25	1.98E-04	3.12E-08	1.23E-08	2.02E-04	3.19E-08	1.25E-08	2.02E-04	3.18E-08	1.25E-08
4226	476863.09, 3856377.25	1.97E-04	3.10E-08	1.22E-08	2.01E-04	3.16E-08	1.24E-08	2.01E-04	3.16E-08	1.24E-08
4227	477363.09, 3856377.25	2.05E-04	3.24E-08	1.27E-08	2.10E-04	3.30E-08	1.30E-08	2.09E-04	3.30E-08	1.30E-08
4228	477863.09, 3856377.25	1.44E-04	2.27E-08	8.90E-09	1.47E-04	2.31E-08	9.08E-09	1.47E-04	2.31E-08	9.07E-09
4229	478363.09, 3856377.25	1.15E-04	1.81E-08	7.11E-09	1.17E-04	1.85E-08	7.26E-09	1.17E-04	1.85E-08	7.25E-09
4230	478863.09, 3856377.25	2.75E-04	4.33E-08	1.70E-08	2.81E-04	4.42E-08	1.74E-08	2.80E-04	4.41E-08	1.73E-08
4231	479363.09, 3856377.25	3.56E-04	5.60E-08	2.20E-08	3.63E-04	5.72E-08	2.25E-08	3.62E-04	5.71E-08	2.24E-08
4232	479863.09, 3856377.25	5.30E-04	8.35E-08	3.28E-08	5.41E-04	8.52E-08	3.35E-08	5.40E-04	8.51E-08	3.34E-08
4233	480363.09, 3856377.25	6.80E-04	1.07E-07	4.21E-08	6.94E-04	1.09E-07	4.29E-08	6.93E-04	1.09E-07	4.29E-08
4234	480863.09, 3856377.25	7.66E-04	1.21E-07	4.74E-08	7.81E-04	1.23E-07	4.84E-08	7.81E-04	1.23E-07	4.83E-08
4235	481363.09, 3856377.25	8.22E-04	1.29E-07	5.09E-08	8.39E-04	1.32E-07	5.19E-08	8.38E-04	1.32E-07	5.18E-08
4236	481863.09, 3856377.25	8.55E-04	1.35E-07	5.29E-08	8.72E-04	1.37E-07	5.40E-08	8.71E-04	1.37E-07	5.39E-08
4237	482363.09, 3856377.25	8.48E-04	1.34E-07	5.25E-08	8.65E-04	1.36E-07	5.36E-08	8.64E-04	1.36E-07	5.35E-08
4238	482863.09, 3856377.25	8.50E-04	1.34E-07	5.26E-08	8.68E-04	1.37E-07	5.37E-08	8.67E-04	1.37E-07	5.36E-08
4239	483363.09, 3856377.25	8.68E-04	1.37E-07	5.37E-08	8.86E-04	1.40E-07	5.48E-08	8.85E-04	1.39E-07	5.48E-08
4240	483863.09, 3856377.25	8.83E-04	1.39E-07	5.46E-08	9.01E-04	1.42E-07	5.57E-08	8.99E-04	1.42E-07	5.57E-08
4241	484363.09, 3856377.25	9.04E-04	1.42E-07	5.59E-08	9.22E-04	1.45E-07	5.71E-08	9.21E-04	1.45E-07	5.70E-08
4242	484863.09, 3856377.25	9.30E-04	1.47E-07	5.76E-08	9.49E-04	1.49E-07	5.87E-08	9.48E-04	1.49E-07	5.87E-08
4243	485363.09, 3856377.25	9.36E-04	1.47E-07	5.79E-08	9.55E-04	1.50E-07	5.91E-08	9.54E-04	1.50E-07	5.90E-08
4244	485863.09, 3856377.25	9.21E-04	1.45E-07	5.70E-08	9.40E-04	1.48E-07	5.82E-08	9.39E-04	1.48E-07	5.81E-08
4245	486363.09, 3856377.25	9.04E-04	1.42E-07	5.60E-08	9.23E-04	1.45E-07	5.71E-08	9.22E-04	1.45E-07	5.70E-08
4246	486863.09, 3856377.25	8.89E-04	1.40E-07	5.50E-08	9.07E-04	1.43E-07	5.61E-08	9.06E-04	1.43E-07	5.61E-08
4247	487363.09, 3856377.25	8.88E-04	1.40E-07	5.50E-08	9.06E-04	1.43E-07	5.61E-08	9.05E-04	1.43E-07	5.60E-08
4248	487863.09, 3856377.25	8.98E-04	1.41E-07	5.55E-08	9.16E-04	1.44E-07	5.67E-08	9.15E-04	1.44E-07	5.66E-08
4249	488363.09, 3856377.25	8.94E-04	1.41E-07	5.53E-08	9.12E-04	1.44E-07	5.65E-08	9.11E-04	1.44E-07	5.64E-08
4250	488863.09, 3856377.25	9.16E-04	1.44E-07	5.67E-08	9.35E-04	1.47E-07	5.79E-08	9.34E-04	1.47E-07	5.78E-08
4251	489363.09, 3856377.25	9.20E-04	1.45E-07	5.69E-08	9.39E-04	1.48E-07	5.81E-08	9.38E-04	1.48E-07	5.80E-08
4252	489863.09, 3856377.25	9.09E-04	1.43E-07	5.63E-08	9.28E-04	1.46E-07	5.74E-08	9.27E-04	1.46E-07	5.74E-08
4253	490363.09, 3856377.25	8.86E-04	1.40E-07	5.49E-08	9.04E-04	1.42E-07	5.60E-08	9.03E-04	1.42E-07	5.59E-08
4254	490863.09, 3856377.25	8.53E-04	1.34E-07	5.28E-08	8.70E-04	1.37E-07	5.39E-08	8.69E-04	1.37E-07	5.38E-08
4255	491363.09, 3856377.25	8.24E-04	1.30E-07	5.10E-08	8.41E-04	1.32E-07	5.20E-08	8.40E-04	1.32E-07	5.20E-08
4256	491863.09, 3856377.25	7.93E-04	1.25E-07	4.91E-08	8.09E-04	1.27E-07	5.01E-08	8.08E-04	1.27E-07	5.00E-08
4257	492363.09, 3856377.25	7.53E-04	1.19E-07	4.66E-08	7.68E-04	1.21E-07	4.75E-08	7.67E-04	1.21E-07	4.75E-08
4258	492863.09, 3856377.25	6.86E-04	1.08E-07	4.25E-08	7.00E-04	1.10E-07	4.33E-08	6.99E-04	1.10E-07	4.33E-08
4259	493363.09, 3856377.25	5.27E-04	8.30E-08	3.26E-08	5.37E-04	8.46E-08	3.33E-08	5.37E-04	8.45E-08	3.32E-08
4260	493863.09, 3856377.25	4.44E-04	6.99E-08	2.75E-08	4.53E-04	7.13E-08	2.80E-08	4.52E-04	7.13E-08	2.80E-08
4261	494363.09, 3856377.25	3.43E-04	5.40E-08	2.12E-08	3.50E-04	5.51E-08	2.16E-08	3.49E-04	5.50E-08	2.16E-08
4262	494863.09, 3856377.25	2.75E-04	4.33E-08	1.70E-08	2.80E-04	4.41E-08	1.73E-08	2.80E-04	4.41E-08	1.73E-08
4263	495363.09, 3856377.25	2.40E-04	3.78E-08	1.48E-08	2.45E-04	3.86E-08	1.51E-08	2.44E-04	3.85E-08	1.51E-08
4264	495863.09, 3856377.25	2.44E-04	3.84E-08	1.51E-08	2.49E-04	3.92E-08	1.54E-08	2.48E-04	3.91E-08	1.54E-08
4265	496363.09, 3856377.25	2.59E-04	4.08E-08	1.60E-08	2.64E-04	4.16E-08	1.63E-08	2.64E-04	4.15E-08	1.63E-08
4266	496863.09, 3856377.25	2.91E-04	4.59E-08	1.80E-08	2.97E-04	4.68E-08	1.84E-08	2.97E-04	4.67E-08	1.84E-08
4267	497363.09, 3856377.25	3.23E-04	5.08E-08	2.00E-08	3.29E-04	5.19E-08	2.04E-08	3.29E-04	5.18E-08	2.04E-08
4268	497863.09, 3856377.25	3.67E-04	5.77E-08	2.27E-08	3.74E-04	5.89E-08	2.31E-08	3.74E-04	5.89E-08	2.31E-08
4269	498363.09, 3856377.25	4.21E-04	6.64E-08	2.61E-08	4.30E-04	6.77E-08	2.66E-08	4.29E-04	6.77E-08	2.66E-08
4270	471363.09, 3856877.25	3.50E-04	5.51E-08	2.16E-08	3.57E-04	5.62E-08	2.21E-08	3.56E-04	5.62E-08	2.21E-08
4271	471863.09, 3856877.25	3.59E-04	5.66E-08	2.22E-08	3.67E-04	5.78E-08	2.27E-08	3.66E-04	5.77E-08	2.27E-08
4272	472363.09, 3856877.25	3.79E-04	5.97E-08	2.35E-08	3.87E-04	6.09E-08	2.39E-08	3.86E-04	6.08E-08	2.39E-08
4273	472863.09, 3856877.25	3.97E-04	6.25E-08	2.45E-08	4.05E-04	6.38E-08	2.50E-08	4.04E-04	6.37E-08	2.50E-08
4274	473363.09, 3856877.25	4.30E-04	6.77E-08	2.66E-08	4.39E-04	6.91E-08	2.72E-08	4.38E-04	6.90E-08	2.71E-08
4275	473863.09, 3856877.25	4.49E-04	7.07E-08	2.78E-08	4.58E-04	7.21E-08	2.83E-08	4.57E-04	7.21E-08	2.83E-08
4276	474363.09, 3856877.25	4.38E-04	6.90E-08	2.71E-08	4.47E-04	7.04E-08	2.77E-08	4.46E-04	7.03E-08	2.76E-08
4277	474863.09, 3856877.25	4.10E-04	6.46E-08	2.54E-08	4.18E-04	6.59E-08	2.59E-08	4.18E-04	6.58E-08	2.59E-08
4278	475363.09, 3856877.25	3.49E-04	5.51E-08	2.16E-08	3.57E-04	5.62E-08	2.21E-08	3.56E-04	5.61E-08	2.20E-08
4279	475863.09, 3856877.25	3.41E-04	5.38E-08	2.11E-08	3.48E-04	5.49E-08	2.15E-08	3.48E-04	5.48E-08	2.15E-08
4280	476363.09, 3856877.25	2.89E-04	4.56E-08	1.79E-08	2.95E-04	4.65E-08	1.83E-08	2.95E-04	4.65E-08	1.83E-08

4281	476863.09, 3856877.25	2.71E-04	4.26E-08	1.67E-08	2.76E-04	4.35E-08	1.71E-08	2.76E-04	4.34E-08	1.71E-08
4282	477363.09, 3856877.25	2.25E-04	3.55E-08	1.39E-08	2.30E-04	3.62E-08	1.42E-08	2.29E-04	3.61E-08	1.42E-08
4283	477863.09, 3856877.25	1.29E-04	2.04E-08	8.01E-09	1.32E-04	2.08E-08	8.17E-09	1.32E-04	2.08E-08	8.16E-09
4284	478363.09, 3856877.25	1.03E-04	1.62E-08	6.36E-09	1.05E-04	1.65E-08	6.49E-09	1.05E-04	1.65E-08	6.49E-09
4285	478863.09, 3856877.25	1.37E-04	2.16E-08	8.50E-09	1.40E-04	2.21E-08	8.67E-09	1.40E-04	2.20E-08	8.66E-09
4286	479363.09, 3856877.25	1.96E-04	3.09E-08	1.21E-08	2.00E-04	3.15E-08	1.24E-08	2.00E-04	3.15E-08	1.24E-08
4287	479863.09, 3856877.25	4.62E-04	7.28E-08	2.86E-08	4.71E-04	7.43E-08	2.92E-08	4.71E-04	7.42E-08	2.91E-08
4288	480363.09, 3856877.25	6.06E-04	9.55E-08	3.75E-08	6.19E-04	9.75E-08	3.83E-08	6.18E-04	9.74E-08	3.83E-08
4289	480863.09, 3856877.25	7.05E-04	1.11E-07	4.36E-08	7.19E-04	1.13E-07	4.45E-08	7.18E-04	1.13E-07	4.44E-08
4290	481363.09, 3856877.25	7.50E-04	1.18E-07	4.64E-08	7.65E-04	1.21E-07	4.74E-08	7.64E-04	1.20E-07	4.73E-08
4291	481863.09, 3856877.25	7.75E-04	1.22E-07	4.80E-08	7.91E-04	1.25E-07	4.90E-08	7.90E-04	1.24E-07	4.89E-08
4292	482363.09, 3856877.25	7.73E-04	1.22E-07	4.79E-08	7.89E-04	1.24E-07	4.88E-08	7.88E-04	1.24E-07	4.88E-08
4293	482863.09, 3856877.25	7.70E-04	1.21E-07	4.77E-08	7.86E-04	1.24E-07	4.86E-08	7.85E-04	1.24E-07	4.86E-08
4294	483363.09, 3856877.25	7.81E-04	1.23E-07	4.83E-08	7.97E-04	1.26E-07	4.93E-08	7.96E-04	1.25E-07	4.93E-08
4295	483863.09, 3856877.25	7.91E-04	1.25E-07	4.89E-08	8.07E-04	1.27E-07	4.99E-08	8.06E-04	1.27E-07	4.99E-08
4296	484363.09, 3856877.25	8.05E-04	1.27E-07	4.98E-08	8.22E-04	1.29E-07	5.09E-08	8.21E-04	1.29E-07	5.08E-08
4297	484863.09, 3856877.25	8.42E-04	1.33E-07	5.21E-08	8.59E-04	1.35E-07	5.31E-08	8.58E-04	1.35E-07	5.31E-08
4298	485363.09, 3856877.25	8.83E-04	1.39E-07	5.47E-08	9.01E-04	1.42E-07	5.58E-08	9.00E-04	1.42E-07	5.57E-08
4299	485863.09, 3856877.25	9.00E-04	1.42E-07	5.57E-08	9.19E-04	1.45E-07	5.68E-08	9.17E-04	1.45E-07	5.68E-08
4300	486363.09, 3856877.25	8.43E-04	1.33E-07	5.22E-08	8.60E-04	1.35E-07	5.32E-08	8.59E-04	1.35E-07	5.32E-08
4301	486863.09, 3856877.25	8.81E-04	1.39E-07	5.45E-08	8.99E-04	1.42E-07	5.56E-08	8.98E-04	1.41E-07	5.56E-08
4302	487363.09, 3856877.25	9.05E-04	1.43E-07	5.60E-08	9.23E-04	1.45E-07	5.71E-08	9.22E-04	1.45E-07	5.71E-08
4303	487863.09, 3856877.25	9.18E-04	1.45E-07	5.68E-08	9.37E-04	1.48E-07	5.80E-08	9.36E-04	1.47E-07	5.79E-08
4304	488363.09, 3856877.25	9.10E-04	1.43E-07	5.63E-08	9.29E-04	1.46E-07	5.75E-08	9.28E-04	1.46E-07	5.74E-08
4305	488863.09, 3856877.25	8.97E-04	1.41E-07	5.55E-08	9.15E-04	1.44E-07	5.66E-08	9.14E-04	1.44E-07	5.66E-08
4306	489363.09, 3856877.25	8.95E-04	1.41E-07	5.54E-08	9.14E-04	1.44E-07	5.66E-08	9.13E-04	1.44E-07	5.65E-08
4307	489863.09, 3856877.25	8.89E-04	1.40E-07	5.50E-08	9.07E-04	1.43E-07	5.61E-08	9.06E-04	1.43E-07	5.61E-08
4308	490363.09, 3856877.25	8.69E-04	1.37E-07	5.38E-08	8.87E-04	1.40E-07	5.49E-08	8.86E-04	1.40E-07	5.48E-08
4309	490863.09, 3856877.25	8.56E-04	1.35E-07	5.30E-08	8.74E-04	1.38E-07	5.41E-08	8.73E-04	1.37E-07	5.40E-08
4310	491363.09, 3856877.25	8.30E-04	1.31E-07	5.14E-08	8.47E-04	1.33E-07	5.24E-08	8.46E-04	1.33E-07	5.24E-08
4311	491863.09, 3856877.25	8.02E-04	1.26E-07	4.97E-08	8.19E-04	1.29E-07	5.07E-08	8.18E-04	1.29E-07	5.06E-08
4312	492363.09, 3856877.25	7.11E-04	1.12E-07	4.40E-08	7.26E-04	1.14E-07	4.49E-08	7.25E-04	1.14E-07	4.48E-08
4313	492863.09, 3856877.25	6.31E-04	9.95E-08	3.91E-08	6.44E-04	1.02E-07	3.99E-08	6.44E-04	1.01E-07	3.98E-08
4314	493363.09, 3856877.25	5.29E-04	8.33E-08	3.27E-08	5.39E-04	8.50E-08	3.34E-08	5.39E-04	8.49E-08	3.33E-08
4315	493863.09, 3856877.25	4.06E-04	6.40E-08	2.51E-08	4.15E-04	6.53E-08	2.57E-08	4.14E-04	6.52E-08	2.56E-08
4316	494363.09, 3856877.25	3.17E-04	5.00E-08	1.96E-08	3.24E-04	5.10E-08	2.00E-08	3.23E-04	5.10E-08	2.00E-08
4317	494863.09, 3856877.25	2.89E-04	4.55E-08	1.79E-08	2.95E-04	4.65E-08	1.83E-08	2.95E-04	4.64E-08	1.82E-08
4318	495363.09, 3856877.25	2.80E-04	4.41E-08	1.73E-08	2.86E-04	4.50E-08	1.77E-08	2.85E-04	4.49E-08	1.77E-08
4319	495863.09, 3856877.25	2.91E-04	4.58E-08	1.80E-08	2.97E-04	4.68E-08	1.84E-08	2.96E-04	4.67E-08	1.83E-08
4320	496363.09, 3856877.25	3.05E-04	4.80E-08	1.89E-08	3.11E-04	4.90E-08	1.93E-08	3.11E-04	4.90E-08	1.92E-08
4321	496863.09, 3856877.25	3.29E-04	5.18E-08	2.04E-08	3.36E-04	5.29E-08	2.08E-08	3.35E-04	5.28E-08	2.07E-08
4322	497363.09, 3856877.25	3.64E-04	5.73E-08	2.25E-08	3.71E-04	5.85E-08	2.30E-08	3.71E-04	5.84E-08	2.30E-08
4323	497863.09, 3856877.25	4.26E-04	6.71E-08	2.64E-08	4.35E-04	6.85E-08	2.69E-08	4.34E-04	6.84E-08	2.69E-08
4324	498363.09, 3856877.25	4.99E-04	7.86E-08	3.09E-08	5.09E-04	8.02E-08	3.15E-08	5.09E-04	8.01E-08	3.15E-08
4325	471363.09, 3857377.25	3.42E-04	5.38E-08	2.12E-08	3.49E-04	5.49E-08	2.16E-08	3.48E-04	5.49E-08	2.16E-08
4326	471863.09, 3857377.25	3.49E-04	5.51E-08	2.16E-08	3.57E-04	5.62E-08	2.21E-08	3.56E-04	5.61E-08	2.20E-08
4327	472363.09, 3857377.25	3.63E-04	5.72E-08	2.25E-08	3.70E-04	5.84E-08	2.29E-08	3.70E-04	5.83E-08	2.29E-08
4328	472863.09, 3857377.25	3.80E-04	5.98E-08	2.35E-08	3.87E-04	6.10E-08	2.40E-08	3.87E-04	6.09E-08	2.39E-08
4329	473363.09, 3857377.25	4.02E-04	6.33E-08	2.49E-08	4.10E-04	6.46E-08	2.54E-08	4.09E-04	6.45E-08	2.53E-08
4330	473863.09, 3857377.25	4.29E-04	6.75E-08	2.65E-08	4.37E-04	6.89E-08	2.71E-08	4.37E-04	6.88E-08	2.70E-08
4331	474363.09, 3857377.25	4.08E-04	6.43E-08	2.53E-08	4.17E-04	6.57E-08	2.58E-08	4.16E-04	6.56E-08	2.58E-08
4332	474863.09, 3857377.25	3.25E-04	5.12E-08	2.01E-08	3.31E-04	5.22E-08	2.05E-08	3.31E-04	5.21E-08	2.05E-08
4333	475363.09, 3857377.25	2.17E-04	3.42E-08	1.34E-08	2.21E-04	3.49E-08	1.37E-08	2.21E-04	3.48E-08	1.37E-08
4334	475863.09, 3857377.25	1.92E-04	3.03E-08	1.19E-08	1.96E-04	3.09E-08	1.22E-08	1.96E-04	3.09E-08	1.21E-08
4335	476363.09, 3857377.25	2.55E-04	4.02E-08	1.58E-08	2.60E-04	4.10E-08	1.61E-08	2.60E-04	4.09E-08	1.61E-08
4336	476863.09, 3857377.25	2.66E-04	4.19E-08	1.64E-08	2.71E-04	4.27E-08	1.68E-08	2.71E-04	4.27E-08	1.68E-08
4337	477363.09, 3857377.25	2.23E-04	3.52E-08	1.38E-08	2.28E-04	3.59E-08	1.41E-08	2.28E-04	3.59E-08	1.41E-08
4338	477863.09, 3857377.25	1.51E-04	2.38E-08	9.34E-09	1.54E-04	2.43E-08	9.53E-09	1.54E-04	2.42E-08	9.52E-09
4339	478363.09, 3857377.25	9.96E-05	1.57E-08	6.16E-09	1.02E-04	1.60E-08	6.29E-09	1.02E-04	1.60E-08	6.28E-09
4340	478863.09, 3857377.25	7.75E-05	1.22E-08	4.80E-09	7.91E-05	1.25E-08	4.89E-09	7.90E-05	1.24E-08	4.89E-09
4341	479363.09, 3857377.25	1.41E-04	2.22E-08	8.74E-09	1.44E-04	2.27E-08	8.91E-09	1.44E-04	2.27E-08	8.90E-09
4342	479863.09, 3857377.25	3.84E-04	6.04E-08	2.37E-08	3.91E-04	6.17E-08	2.42E-08	3.91E-04	6.16E-08	2.42E-08
4343	480363.09, 3857377.25	3.14E-04	4.95E-08	1.95E-08	3.21E-04	5.05E-08	1.99E-08	3.20E-04	5.05E-08	1.98E-08

4344	480863.09, 3857377.25	6.44E-04	1.01E-07	3.99E-08	6.57E-04	1.04E-07	4.07E-08	6.57E-04	1.03E-07	4.06E-08
4345	481363.09, 3857377.25	6.44E-04	1.01E-07	3.98E-08	6.57E-04	1.03E-07	4.07E-08	6.56E-04	1.03E-07	4.06E-08
4346	481863.09, 3857377.25	6.82E-04	1.08E-07	4.22E-08	6.96E-04	1.10E-07	4.31E-08	6.96E-04	1.10E-07	4.30E-08
4347	482363.09, 3857377.25	7.15E-04	1.13E-07	4.42E-08	7.29E-04	1.15E-07	4.51E-08	7.29E-04	1.15E-07	4.51E-08
4348	482863.09, 3857377.25	7.23E-04	1.14E-07	4.47E-08	7.38E-04	1.16E-07	4.56E-08	7.37E-04	1.16E-07	4.56E-08
4349	483363.09, 3857377.25	7.38E-04	1.16E-07	4.57E-08	7.53E-04	1.19E-07	4.66E-08	7.52E-04	1.19E-07	4.66E-08
4350	483863.09, 3857377.25	7.55E-04	1.19E-07	4.67E-08	7.70E-04	1.21E-07	4.77E-08	7.69E-04	1.21E-07	4.76E-08
4351	484363.09, 3857377.25	7.61E-04	1.20E-07	4.71E-08	7.77E-04	1.22E-07	4.81E-08	7.76E-04	1.22E-07	4.80E-08
4352	484863.09, 3857377.25	7.79E-04	1.23E-07	4.82E-08	7.95E-04	1.25E-07	4.92E-08	7.94E-04	1.25E-07	4.92E-08
4353	485363.09, 3857377.25	8.12E-04	1.28E-07	5.03E-08	8.29E-04	1.31E-07	5.13E-08	8.28E-04	1.30E-07	5.12E-08
4354	485863.09, 3857377.25	8.63E-04	1.36E-07	5.34E-08	8.80E-04	1.39E-07	5.45E-08	8.79E-04	1.39E-07	5.44E-08
4355	486363.09, 3857377.25	9.18E-04	1.45E-07	5.68E-08	9.37E-04	1.48E-07	5.80E-08	9.36E-04	1.47E-07	5.79E-08
4356	486863.09, 3857377.25	8.86E-04	1.40E-07	5.48E-08	9.04E-04	1.42E-07	5.60E-08	9.03E-04	1.42E-07	5.59E-08
4357	487363.09, 3857377.25	9.46E-04	1.49E-07	5.85E-08	9.65E-04	1.52E-07	5.97E-08	9.64E-04	1.52E-07	5.96E-08
4358	487863.09, 3857377.25	1.01E-03	1.59E-07	6.25E-08	1.03E-03	1.62E-07	6.38E-08	1.03E-03	1.62E-07	6.37E-08
4359	488363.09, 3857377.25	1.03E-03	1.62E-07	6.35E-08	1.05E-03	1.65E-07	6.48E-08	1.05E-03	1.65E-07	6.47E-08
4360	488863.09, 3857377.25	1.02E-03	1.61E-07	6.33E-08	1.04E-03	1.65E-07	6.46E-08	1.04E-03	1.64E-07	6.46E-08
4361	489363.09, 3857377.25	9.73E-04	1.53E-07	6.02E-08	9.93E-04	1.56E-07	6.14E-08	9.92E-04	1.56E-07	6.14E-08
4362	489863.09, 3857377.25	9.31E-04	1.47E-07	5.76E-08	9.50E-04	1.50E-07	5.88E-08	9.48E-04	1.49E-07	5.87E-08
4363	490363.09, 3857377.25	9.08E-04	1.43E-07	5.62E-08	9.27E-04	1.46E-07	5.74E-08	9.26E-04	1.46E-07	5.73E-08
4364	490863.09, 3857377.25	9.03E-04	1.42E-07	5.59E-08	9.22E-04	1.45E-07	5.70E-08	9.20E-04	1.45E-07	5.70E-08
4365	491363.09, 3857377.25	9.11E-04	1.43E-07	5.64E-08	9.29E-04	1.46E-07	5.75E-08	9.28E-04	1.46E-07	5.74E-08
4366	491863.09, 3857377.25	8.79E-04	1.38E-07	5.44E-08	8.97E-04	1.41E-07	5.55E-08	8.96E-04	1.41E-07	5.54E-08
4367	492363.09, 3857377.25	7.48E-04	1.18E-07	4.63E-08	7.64E-04	1.20E-07	4.73E-08	7.63E-04	1.20E-07	4.72E-08
4368	492863.09, 3857377.25	6.24E-04	9.83E-08	3.86E-08	6.37E-04	1.00E-07	3.94E-08	6.36E-04	1.00E-07	3.93E-08
4369	493363.09, 3857377.25	4.86E-04	7.65E-08	3.01E-08	4.96E-04	7.81E-08	3.07E-08	4.95E-04	7.80E-08	3.06E-08
4370	493863.09, 3857377.25	4.39E-04	6.92E-08	2.72E-08	4.48E-04	7.06E-08	2.77E-08	4.48E-04	7.05E-08	2.77E-08
4371	494363.09, 3857377.25	3.93E-04	6.19E-08	2.43E-08	4.01E-04	6.31E-08	2.48E-08	4.00E-04	6.31E-08	2.48E-08
4372	494863.09, 3857377.25	3.81E-04	6.00E-08	2.36E-08	3.89E-04	6.12E-08	2.41E-08	3.88E-04	6.12E-08	2.40E-08
4373	495363.09, 3857377.25	3.73E-04	5.87E-08	2.31E-08	3.80E-04	5.99E-08	2.35E-08	3.80E-04	5.98E-08	2.35E-08
4374	495863.09, 3857377.25	3.84E-04	6.04E-08	2.37E-08	3.91E-04	6.17E-08	2.42E-08	3.91E-04	6.16E-08	2.42E-08
4375	496363.09, 3857377.25	3.98E-04	6.27E-08	2.46E-08	4.06E-04	6.39E-08	2.51E-08	4.05E-04	6.39E-08	2.51E-08
4376	496863.09, 3857377.25	4.15E-04	6.54E-08	2.57E-08	4.23E-04	6.67E-08	2.62E-08	4.23E-04	6.66E-08	2.62E-08
4377	497363.09, 3857377.25	4.48E-04	7.06E-08	2.77E-08	4.57E-04	7.20E-08	2.83E-08	4.56E-04	7.19E-08	2.83E-08
4378	497863.09, 3857377.25	4.98E-04	7.84E-08	3.08E-08	5.08E-04	8.01E-08	3.14E-08	5.08E-04	8.00E-08	3.14E-08
4379	498363.09, 3857377.25	6.10E-04	9.60E-08	3.77E-08	6.22E-04	9.80E-08	3.85E-08	6.21E-04	9.79E-08	3.85E-08
4380	471363.09, 3857877.25	3.28E-04	5.16E-08	2.03E-08	3.34E-04	5.27E-08	2.07E-08	3.34E-04	5.26E-08	2.07E-08
4381	471863.09, 3857877.25	3.37E-04	5.31E-08	2.08E-08	3.44E-04	5.41E-08	2.13E-08	3.43E-04	5.41E-08	2.12E-08
4382	472363.09, 3857877.25	3.49E-04	5.50E-08	2.16E-08	3.56E-04	5.61E-08	2.21E-08	3.56E-04	5.61E-08	2.20E-08
4383	472863.09, 3857877.25	3.69E-04	5.82E-08	2.29E-08	3.77E-04	5.94E-08	2.33E-08	3.76E-04	5.93E-08	2.33E-08
4384	473363.09, 3857877.25	3.82E-04	6.02E-08	2.37E-08	3.90E-04	6.14E-08	2.41E-08	3.90E-04	6.14E-08	2.41E-08
4385	473863.09, 3857877.25	4.01E-04	6.31E-08	2.48E-08	4.09E-04	6.44E-08	2.53E-08	4.08E-04	6.43E-08	2.53E-08
4386	474363.09, 3857877.25	3.74E-04	5.90E-08	2.32E-08	3.82E-04	6.02E-08	2.36E-08	3.81E-04	6.01E-08	2.36E-08
4387	474863.09, 3857877.25	2.89E-04	4.56E-08	1.79E-08	2.95E-04	4.65E-08	1.83E-08	2.95E-04	4.65E-08	1.83E-08
4388	475363.09, 3857877.25	1.52E-04	2.40E-08	9.41E-09	1.55E-04	2.44E-08	9.60E-09	1.55E-04	2.44E-08	9.59E-09
4389	475863.09, 3857877.25	5.30E-05	8.36E-09	3.28E-09	5.41E-05	8.53E-09	3.35E-09	5.41E-05	8.52E-09	3.35E-09
4390	476363.09, 3857877.25	1.68E-04	2.64E-08	1.04E-08	1.71E-04	2.70E-08	1.06E-08	1.71E-04	2.69E-08	1.06E-08
4391	476863.09, 3857877.25	2.09E-04	3.29E-08	1.29E-08	2.13E-04	3.35E-08	1.32E-08	2.13E-04	3.35E-08	1.32E-08
4392	477363.09, 3857877.25	1.99E-04	3.14E-08	1.23E-08	2.03E-04	3.20E-08	1.26E-08	2.03E-04	3.20E-08	1.26E-08
4393	477863.09, 3857877.25	1.84E-04	2.89E-08	1.14E-08	1.87E-04	2.95E-08	1.16E-08	1.87E-04	2.95E-08	1.16E-08
4394	478363.09, 3857877.25	8.25E-05	1.30E-08	5.11E-09	8.42E-05	1.33E-08	5.21E-09	8.41E-05	1.32E-08	5.20E-09
4395	478863.09, 3857877.25	6.22E-05	9.79E-09	3.85E-09	6.34E-05	9.99E-09	3.93E-09	6.34E-05	9.98E-09	3.92E-09
4396	479363.09, 3857877.25	3.54E-04	5.57E-08	2.19E-08	3.61E-04	5.68E-08	2.23E-08	3.60E-04	5.68E-08	2.23E-08
4397	479863.09, 3857877.25	5.27E-04	8.31E-08	3.26E-08	5.38E-04	8.48E-08	3.33E-08	5.38E-04	8.47E-08	3.33E-08
4398	480363.09, 3857877.25	5.79E-04	9.12E-08	3.58E-08	5.91E-04	9.30E-08	3.65E-08	5.90E-04	9.29E-08	3.65E-08
4399	480863.09, 3857877.25	5.90E-04	9.29E-08	3.65E-08	6.02E-04	9.48E-08	3.72E-08	6.01E-04	9.47E-08	3.72E-08
4400	481363.09, 3857877.25	6.08E-04	9.59E-08	3.77E-08	6.21E-04	9.78E-08	3.84E-08	6.20E-04	9.77E-08	3.84E-08
4401	481863.09, 3857877.25	6.28E-04	9.90E-08	3.89E-08	6.41E-04	1.01E-07	3.97E-08	6.40E-04	1.01E-07	3.96E-08
4402	482363.09, 3857877.25	6.64E-04	1.05E-07	4.11E-08	6.77E-04	1.07E-07	4.19E-08	6.76E-04	1.07E-07	4.19E-08
4403	482863.09, 3857877.25	6.79E-04	1.07E-07	4.21E-08	6.93E-04	1.09E-07	4.29E-08	6.93E-04	1.09E-07	4.29E-08
4404	483363.09, 3857877.25	7.02E-04	1.11E-07	4.34E-08	7.16E-04	1.13E-07	4.43E-08	7.15E-04	1.13E-07	4.43E-08
4405	483863.09, 3857877.25	7.30E-04	1.15E-07	4.52E-08	7.45E-04	1.17E-07	4.61E-08	7.44E-04	1.17E-07	4.61E-08
4406	484363.09, 3857877.25	7.53E-04	1.19E-07	4.66E-08	7.69E-04	1.21E-07	4.76E-08	7.68E-04	1.21E-07	4.75E-08

4407	484863.09, 3857877.25	7.83E-04	1.23E-07	4.85E-08	7.99E-04	1.26E-07	4.95E-08	7.98E-04	1.26E-07	4.94E-08
4408	485363.09, 3857877.25	8.20E-04	1.29E-07	5.08E-08	8.37E-04	1.32E-07	5.18E-08	8.36E-04	1.32E-07	5.17E-08
4409	485863.09, 3857877.25	8.55E-04	1.35E-07	5.29E-08	8.72E-04	1.37E-07	5.40E-08	8.71E-04	1.37E-07	5.39E-08
4410	486363.09, 3857877.25	9.04E-04	1.42E-07	5.59E-08	9.22E-04	1.45E-07	5.71E-08	9.21E-04	1.45E-07	5.70E-08
4411	486863.09, 3857877.25	1.01E-03	1.58E-07	6.23E-08	1.03E-03	1.62E-07	6.35E-08	1.03E-03	1.62E-07	6.35E-08
4412	487363.09, 3857877.25	1.12E-03	1.77E-07	6.95E-08	1.15E-03	1.80E-07	7.09E-08	1.14E-03	1.80E-07	7.08E-08
4413	487863.09, 3857877.25	1.20E-03	1.88E-07	7.40E-08	1.22E-03	1.92E-07	7.55E-08	1.22E-03	1.92E-07	7.54E-08
4414	488363.09, 3857877.25	1.32E-03	2.08E-07	8.15E-08	1.34E-03	2.12E-07	8.32E-08	1.34E-03	2.12E-07	8.31E-08
4415	488863.09, 3857877.25	1.36E-03	2.15E-07	8.45E-08	1.39E-03	2.19E-07	8.62E-08	1.39E-03	2.19E-07	8.61E-08
4416	489363.09, 3857877.25	1.25E-03	1.97E-07	7.73E-08	1.27E-03	2.01E-07	7.89E-08	1.27E-03	2.01E-07	7.88E-08
4417	489863.09, 3857877.25	1.15E-03	1.82E-07	7.14E-08	1.18E-03	1.85E-07	7.29E-08	1.18E-03	1.85E-07	7.28E-08
4418	490363.09, 3857877.25	1.14E-03	1.79E-07	7.05E-08	1.16E-03	1.83E-07	7.19E-08	1.16E-03	1.83E-07	7.18E-08
4419	490863.09, 3857877.25	1.18E-03	1.85E-07	7.28E-08	1.20E-03	1.89E-07	7.43E-08	1.20E-03	1.89E-07	7.42E-08
4420	491363.09, 3857877.25	1.12E-03	1.76E-07	6.92E-08	1.14E-03	1.80E-07	7.06E-08	1.14E-03	1.80E-07	7.05E-08
4421	491863.09, 3857877.25	1.02E-03	1.60E-07	6.30E-08	1.04E-03	1.64E-07	6.43E-08	1.04E-03	1.64E-07	6.43E-08
4422	492363.09, 3857877.25	8.37E-04	1.32E-07	5.18E-08	8.54E-04	1.35E-07	5.28E-08	8.53E-04	1.34E-07	5.28E-08
4423	492863.09, 3857877.25	6.87E-04	1.08E-07	4.25E-08	7.01E-04	1.10E-07	4.34E-08	7.00E-04	1.10E-07	4.33E-08
4424	493363.09, 3857877.25	6.33E-04	9.98E-08	3.92E-08	6.46E-04	1.02E-07	4.00E-08	6.45E-04	1.02E-07	3.99E-08
4425	493863.09, 3857877.25	6.12E-04	9.65E-08	3.79E-08	6.25E-04	9.84E-08	3.87E-08	6.24E-04	9.83E-08	3.86E-08
4426	494363.09, 3857877.25	5.94E-04	9.35E-08	3.67E-08	6.06E-04	9.54E-08	3.75E-08	6.05E-04	9.53E-08	3.75E-08
4427	494863.09, 3857877.25	5.42E-04	8.54E-08	3.36E-08	5.53E-04	8.72E-08	3.42E-08	5.53E-04	8.71E-08	3.42E-08
4428	495363.09, 3857877.25	5.35E-04	8.43E-08	3.31E-08	5.46E-04	8.60E-08	3.38E-08	5.45E-04	8.59E-08	3.38E-08
4429	495863.09, 3857877.25	5.27E-04	8.30E-08	3.26E-08	5.37E-04	8.46E-08	3.33E-08	5.37E-04	8.45E-08	3.32E-08
4430	496363.09, 3857877.25	5.41E-04	8.52E-08	3.35E-08	5.52E-04	8.70E-08	3.42E-08	5.51E-04	8.69E-08	3.41E-08
4431	496863.09, 3857877.25	5.57E-04	8.78E-08	3.45E-08	5.69E-04	8.96E-08	3.52E-08	5.68E-04	8.95E-08	3.51E-08
4432	497363.09, 3857877.25	5.61E-04	8.83E-08	3.47E-08	5.72E-04	9.01E-08	3.54E-08	5.72E-04	9.00E-08	3.54E-08
4433	497863.09, 3857877.25	6.35E-04	1.00E-07	3.93E-08	6.48E-04	1.02E-07	4.01E-08	6.48E-04	1.02E-07	4.01E-08
4434	498363.09, 3857877.25	7.06E-04	1.11E-07	4.37E-08	7.21E-04	1.14E-07	4.46E-08	7.20E-04	1.13E-07	4.46E-08
4435	471363.09, 3858377.25	3.20E-04	5.05E-08	1.98E-08	3.27E-04	5.15E-08	2.02E-08	3.26E-04	5.14E-08	2.02E-08
4436	471863.09, 3858377.25	3.29E-04	5.18E-08	2.04E-08	3.36E-04	5.29E-08	2.08E-08	3.35E-04	5.28E-08	2.07E-08
4437	472363.09, 3858377.25	3.36E-04	5.30E-08	2.08E-08	3.43E-04	5.40E-08	2.12E-08	3.43E-04	5.40E-08	2.12E-08
4438	472863.09, 3858377.25	3.49E-04	5.50E-08	2.16E-08	3.56E-04	5.61E-08	2.21E-08	3.56E-04	5.61E-08	2.20E-08
4439	473363.09, 3858377.25	3.72E-04	5.85E-08	2.30E-08	3.79E-04	5.97E-08	2.35E-08	3.79E-04	5.97E-08	2.34E-08
4440	473863.09, 3858377.25	3.72E-04	5.86E-08	2.30E-08	3.79E-04	5.98E-08	2.35E-08	3.79E-04	5.97E-08	2.35E-08
4441	474363.09, 3858377.25	3.41E-04	5.38E-08	2.11E-08	3.48E-04	5.49E-08	2.15E-08	3.48E-04	5.48E-08	2.15E-08
4442	474863.09, 3858377.25	2.84E-04	4.48E-08	1.76E-08	2.90E-04	4.57E-08	1.80E-08	2.90E-04	4.57E-08	1.79E-08
4443	475363.09, 3858377.25	1.90E-04	2.99E-08	1.17E-08	1.94E-04	3.05E-08	1.20E-08	1.93E-04	3.05E-08	1.20E-08
4444	475863.09, 3858377.25	1.26E-04	1.98E-08	7.79E-09	1.28E-04	2.02E-08	7.95E-09	1.28E-04	2.02E-08	7.94E-09
4445	476363.09, 3858377.25	1.36E-04	2.14E-08	8.43E-09	1.39E-04	2.19E-08	8.60E-09	1.39E-04	2.19E-08	8.59E-09
4446	476863.09, 3858377.25	1.48E-04	2.33E-08	9.15E-09	1.51E-04	2.38E-08	9.34E-09	1.51E-04	2.38E-08	9.33E-09
4447	477363.09, 3858377.25	1.36E-04	2.14E-08	8.39E-09	1.38E-04	2.18E-08	8.56E-09	1.38E-04	2.18E-08	8.55E-09
4448	477863.09, 3858377.25	1.85E-04	2.92E-08	1.15E-08	1.89E-04	2.97E-08	1.17E-08	1.89E-04	2.97E-08	1.17E-08
4449	478363.09, 3858377.25	1.95E-04	3.07E-08	1.21E-08	1.99E-04	3.13E-08	1.23E-08	1.99E-04	3.13E-08	1.23E-08
4450	478863.09, 3858377.25	1.20E-04	1.89E-08	7.42E-09	1.22E-04	1.93E-08	7.57E-09	1.22E-04	1.93E-08	7.56E-09
4451	479363.09, 3858377.25	3.49E-04	5.51E-08	2.16E-08	3.57E-04	5.62E-08	2.21E-08	3.56E-04	5.61E-08	2.20E-08
4452	479863.09, 3858377.25	5.00E-04	7.88E-08	3.10E-08	5.11E-04	8.04E-08	3.16E-08	5.10E-04	8.03E-08	3.16E-08
4453	480363.09, 3858377.25	5.35E-04	8.43E-08	3.31E-08	5.46E-04	8.61E-08	3.38E-08	5.46E-04	8.60E-08	3.38E-08
4454	480863.09, 3858377.25	5.44E-04	8.56E-08	3.36E-08	5.55E-04	8.74E-08	3.43E-08	5.54E-04	8.73E-08	3.43E-08
4455	481363.09, 3858377.25	5.63E-04	8.88E-08	3.49E-08	5.75E-04	9.06E-08	3.56E-08	5.74E-04	9.05E-08	3.55E-08
4456	481863.09, 3858377.25	5.69E-04	8.97E-08	3.52E-08	5.81E-04	9.15E-08	3.60E-08	5.80E-04	9.14E-08	3.59E-08
4457	482363.09, 3858377.25	5.93E-04	9.33E-08	3.67E-08	6.05E-04	9.53E-08	3.74E-08	6.04E-04	9.51E-08	3.74E-08
4458	482863.09, 3858377.25	6.34E-04	9.98E-08	3.92E-08	6.47E-04	1.02E-07	4.00E-08	6.46E-04	1.02E-07	4.00E-08
4459	483363.09, 3858377.25	6.63E-04	1.04E-07	4.10E-08	6.77E-04	1.07E-07	4.19E-08	6.76E-04	1.06E-07	4.18E-08
4460	483863.09, 3858377.25	6.94E-04	1.09E-07	4.30E-08	7.08E-04	1.12E-07	4.38E-08	7.08E-04	1.11E-07	4.38E-08
4461	484363.09, 3858377.25	7.32E-04	1.15E-07	4.53E-08	7.47E-04	1.18E-07	4.62E-08	7.46E-04	1.18E-07	4.62E-08
4462	484863.09, 3858377.25	7.77E-04	1.22E-07	4.81E-08	7.93E-04	1.25E-07	4.91E-08	7.92E-04	1.25E-07	4.90E-08
4463	485363.09, 3858377.25	8.38E-04	1.32E-07	5.19E-08	8.55E-04	1.35E-07	5.29E-08	8.54E-04	1.35E-07	5.29E-08
4464	485863.09, 3858377.25	9.15E-04	1.44E-07	5.66E-08	9.33E-04	1.47E-07	5.78E-08	9.32E-04	1.47E-07	5.77E-08
4465	486363.09, 3858377.25	1.00E-03	1.58E-07	6.20E-08	1.02E-03	1.61E-07	6.33E-08	1.02E-03	1.61E-07	6.32E-08
4466	486863.09, 3858377.25	1.10E-03	1.74E-07	6.82E-08	1.12E-03	1.77E-07	6.96E-08	1.12E-03	1.77E-07	6.95E-08
4467	487363.09, 3858377.25	1.24E-03	1.95E-07	7.66E-08	1.26E-03	1.99E-07	7.81E-08	1.26E-03	1.99E-07	7.80E-08
4468	487863.09, 3858377.25	1.54E-03	2.43E-07	9.56E-08	1.58E-03	2.48E-07	9.75E-08	1.57E-03	2.48E-07	9.74E-08
4469	488363.09, 3858377.25	1.99E-03	3.13E-07	1.23E-07	2.03E-03	3.20E-07	1.26E-07	2.03E-03	3.19E-07	1.25E-07

4470	488863.09, 3858377.25	2.24E-03	3.53E-07	1.39E-07	2.29E-03	3.60E-07	1.42E-07	2.29E-03	3.60E-07	1.41E-07
4471	489363.09, 3858377.25	2.15E-03	3.38E-07	1.33E-07	2.19E-03	3.45E-07	1.36E-07	2.19E-03	3.45E-07	1.36E-07
4472	489863.09, 3858377.25	2.14E-03	3.37E-07	1.32E-07	2.18E-03	3.43E-07	1.35E-07	2.18E-03	3.43E-07	1.35E-07
4473	490363.09, 3858377.25	2.21E-03	3.48E-07	1.37E-07	2.25E-03	3.55E-07	1.39E-07	2.25E-03	3.55E-07	1.39E-07
4474	490863.09, 3858377.25	2.22E-03	3.49E-07	1.37E-07	2.26E-03	3.56E-07	1.40E-07	2.26E-03	3.56E-07	1.40E-07
4475	491363.09, 3858377.25	1.91E-03	3.00E-07	1.18E-07	1.95E-03	3.07E-07	1.20E-07	1.94E-03	3.06E-07	1.20E-07
4476	491863.09, 3858377.25	1.40E-03	2.20E-07	8.65E-08	1.43E-03	2.25E-07	8.83E-08	1.43E-03	2.24E-07	8.82E-08
4477	492363.09, 3858377.25	1.05E-03	1.65E-07	6.48E-08	1.07E-03	1.68E-07	6.61E-08	1.07E-03	1.68E-07	6.60E-08
4478	492863.09, 3858377.25	1.14E-03	1.80E-07	7.08E-08	1.17E-03	1.84E-07	7.23E-08	1.17E-03	1.84E-07	7.22E-08
4479	493363.09, 3858377.25	1.06E-03	1.67E-07	6.57E-08	1.08E-03	1.71E-07	6.70E-08	1.08E-03	1.70E-07	6.69E-08
4480	493863.09, 3858377.25	1.01E-03	1.60E-07	6.28E-08	1.03E-03	1.63E-07	6.40E-08	1.03E-03	1.63E-07	6.40E-08
4481	494363.09, 3858377.25	9.41E-04	1.48E-07	5.82E-08	9.60E-04	1.51E-07	5.94E-08	9.59E-04	1.51E-07	5.94E-08
4482	494863.09, 3858377.25	8.73E-04	1.38E-07	5.40E-08	8.91E-04	1.40E-07	5.51E-08	8.90E-04	1.40E-07	5.51E-08
4483	495363.09, 3858377.25	7.84E-04	1.23E-07	4.85E-08	8.00E-04	1.26E-07	4.95E-08	7.99E-04	1.26E-07	4.94E-08
4484	495863.09, 3858377.25	7.59E-04	1.20E-07	4.70E-08	7.75E-04	1.22E-07	4.80E-08	7.74E-04	1.22E-07	4.79E-08
4485	496363.09, 3858377.25	7.31E-04	1.15E-07	4.52E-08	7.46E-04	1.18E-07	4.62E-08	7.45E-04	1.17E-07	4.61E-08
4486	496863.09, 3858377.25	7.51E-04	1.18E-07	4.64E-08	7.66E-04	1.21E-07	4.74E-08	7.65E-04	1.21E-07	4.73E-08
4487	497363.09, 3858377.25	7.44E-04	1.17E-07	4.60E-08	7.59E-04	1.20E-07	4.70E-08	7.58E-04	1.19E-07	4.69E-08
4488	497863.09, 3858377.25	8.06E-04	1.27E-07	4.99E-08	8.22E-04	1.30E-07	5.09E-08	8.21E-04	1.29E-07	5.08E-08
4489	498363.09, 3858377.25	8.90E-04	1.40E-07	5.51E-08	9.08E-04	1.43E-07	5.62E-08	9.07E-04	1.43E-07	5.61E-08
4490	471363.09, 3858877.25	3.09E-04	4.86E-08	1.91E-08	3.15E-04	4.96E-08	1.95E-08	3.15E-04	4.96E-08	1.95E-08
4491	471863.09, 3858877.25	3.14E-04	4.95E-08	1.94E-08	3.21E-04	5.05E-08	1.98E-08	3.20E-04	5.04E-08	1.98E-08
4492	472363.09, 3858877.25	3.26E-04	5.14E-08	2.02E-08	3.33E-04	5.25E-08	2.06E-08	3.33E-04	5.24E-08	2.06E-08
4493	472863.09, 3858877.25	3.37E-04	5.31E-08	2.09E-08	3.44E-04	5.42E-08	2.13E-08	3.44E-04	5.41E-08	2.13E-08
4494	473363.09, 3858877.25	3.54E-04	5.58E-08	2.19E-08	3.61E-04	5.69E-08	2.24E-08	3.61E-04	5.69E-08	2.23E-08
4495	473863.09, 3858877.25	3.58E-04	5.64E-08	2.22E-08	3.65E-04	5.76E-08	2.26E-08	3.65E-04	5.75E-08	2.26E-08
4496	474363.09, 3858877.25	3.39E-04	5.34E-08	2.10E-08	3.46E-04	5.45E-08	2.14E-08	3.45E-04	5.44E-08	2.14E-08
4497	474863.09, 3858877.25	1.87E-04	2.94E-08	1.16E-08	1.91E-04	3.00E-08	1.18E-08	1.90E-04	3.00E-08	1.18E-08
4498	475363.09, 3858877.25	1.29E-04	2.03E-08	7.99E-09	1.32E-04	2.07E-08	8.15E-09	1.32E-04	2.07E-08	8.14E-09
4499	475863.09, 3858877.25	1.47E-04	2.31E-08	9.08E-09	1.50E-04	2.36E-08	9.27E-09	1.50E-04	2.36E-08	9.26E-09
4500	476363.09, 3858877.25	7.96E-05	1.25E-08	4.92E-09	8.12E-05	1.28E-08	5.02E-09	8.11E-05	1.28E-08	5.02E-09
4501	476863.09, 3858877.25	1.05E-04	1.65E-08	6.49E-09	1.07E-04	1.69E-08	6.62E-09	1.07E-04	1.68E-08	6.62E-09
4502	477363.09, 3858877.25	1.08E-04	1.69E-08	6.66E-09	1.10E-04	1.73E-08	6.79E-09	1.10E-04	1.73E-08	6.78E-09
4503	477863.09, 3858877.25	1.38E-04	2.17E-08	8.52E-09	1.40E-04	2.21E-08	8.69E-09	1.40E-04	2.21E-08	8.68E-09
4504	478363.09, 3858877.25	2.73E-04	4.30E-08	1.69E-08	2.78E-04	4.39E-08	1.72E-08	2.78E-04	4.38E-08	1.72E-08
4505	478863.09, 3858877.25	2.30E-04	3.62E-08	1.42E-08	2.35E-04	3.69E-08	1.45E-08	2.34E-04	3.69E-08	1.45E-08
4506	479363.09, 3858877.25	1.82E-04	2.87E-08	1.13E-08	1.86E-04	2.93E-08	1.15E-08	1.86E-04	2.93E-08	1.15E-08
4507	479863.09, 3858877.25	4.80E-04	7.56E-08	2.97E-08	4.90E-04	7.71E-08	3.03E-08	4.89E-04	7.70E-08	3.03E-08
4508	480363.09, 3858877.25	5.00E-04	7.87E-08	3.09E-08	5.10E-04	8.03E-08	3.16E-08	5.09E-04	8.02E-08	3.15E-08
4509	480863.09, 3858877.25	5.16E-04	8.13E-08	3.19E-08	5.26E-04	8.29E-08	3.26E-08	5.26E-04	8.28E-08	3.25E-08
4510	481363.09, 3858877.25	5.29E-04	8.34E-08	3.28E-08	5.40E-04	8.51E-08	3.34E-08	5.39E-04	8.50E-08	3.34E-08
4511	481863.09, 3858877.25	5.38E-04	8.48E-08	3.33E-08	5.49E-04	8.65E-08	3.40E-08	5.48E-04	8.64E-08	3.39E-08
4512	482363.09, 3858877.25	5.50E-04	8.67E-08	3.40E-08	5.61E-04	8.84E-08	3.47E-08	5.61E-04	8.83E-08	3.47E-08
4513	482863.09, 3858877.25	5.72E-04	9.01E-08	3.54E-08	5.83E-04	9.19E-08	3.61E-08	5.83E-04	9.18E-08	3.61E-08
4514	483363.09, 3858877.25	6.18E-04	9.73E-08	3.82E-08	6.31E-04	9.93E-08	3.90E-08	6.30E-04	9.92E-08	3.90E-08
4515	483863.09, 3858877.25	6.51E-04	1.02E-07	4.03E-08	6.64E-04	1.05E-07	4.11E-08	6.63E-04	1.04E-07	4.10E-08
4516	484363.09, 3858877.25	6.92E-04	1.09E-07	4.28E-08	7.06E-04	1.11E-07	4.37E-08	7.05E-04	1.11E-07	4.36E-08
4517	484863.09, 3858877.25	7.41E-04	1.17E-07	4.59E-08	7.56E-04	1.19E-07	4.68E-08	7.55E-04	1.19E-07	4.67E-08
4518	485363.09, 3858877.25	8.10E-04	1.28E-07	5.01E-08	8.26E-04	1.30E-07	5.11E-08	8.25E-04	1.30E-07	5.11E-08
4519	485863.09, 3858877.25	9.08E-04	1.43E-07	5.62E-08	9.27E-04	1.46E-07	5.74E-08	9.26E-04	1.46E-07	5.73E-08
4520	486363.09, 3858877.25	1.03E-03	1.63E-07	6.40E-08	1.05E-03	1.66E-07	6.53E-08	1.05E-03	1.66E-07	6.52E-08
4521	486863.09, 3858877.25	1.22E-03	1.91E-07	7.52E-08	1.24E-03	1.95E-07	7.68E-08	1.24E-03	1.95E-07	7.67E-08
4522	487363.09, 3858877.25	1.52E-03	2.40E-07	9.42E-08	1.55E-03	2.45E-07	9.61E-08	1.55E-03	2.44E-07	9.60E-08
4523	487863.09, 3858877.25	2.04E-03	3.21E-07	1.26E-07	2.08E-03	3.28E-07	1.29E-07	2.08E-03	3.27E-07	1.29E-07
4524	488363.09, 3858877.25	3.42E-03	5.38E-07	2.12E-07	3.49E-03	5.49E-07	2.16E-07	3.48E-03	5.49E-07	2.16E-07
4525	488863.09, 3858877.25	1.60E-02	2.52E-06	9.89E-07	1.63E-02	2.57E-06	1.01E-06	1.63E-02	2.57E-06	1.01E-06
4526	489363.09, 3858877.25	1.51E-02	2.38E-06	9.36E-07	1.54E-02	2.43E-06	9.55E-07	1.54E-02	2.43E-06	9.54E-07
4527	489863.09, 3858877.25	9.73E-03	1.53E-06	6.02E-07	9.93E-03	1.56E-06	6.14E-07	9.92E-03	1.56E-06	6.14E-07
4528	490363.09, 3858877.25	6.83E-03	1.08E-06	4.23E-07	6.97E-03	1.10E-06	4.32E-07	6.97E-03	1.10E-06	4.31E-07
4529	490863.09, 3858877.25	4.50E-03	7.08E-07	2.78E-07	4.59E-03	7.23E-07	2.84E-07	4.58E-03	7.22E-07	2.84E-07
4530	491363.09, 3858877.25	2.87E-03	4.53E-07	1.78E-07	2.93E-03	4.62E-07	1.81E-07	2.93E-03	4.61E-07	1.81E-07
4531	491863.09, 3858877.25	2.01E-03	3.17E-07	1.24E-07	2.05E-03	3.23E-07	1.27E-07	2.05E-03	3.23E-07	1.27E-07
4532	492363.09, 3858877.25	2.15E-03	3.39E-07	1.33E-07	2.20E-03	3.46E-07	1.36E-07	2.19E-03	3.46E-07	1.36E-07

4533	492863.09, 3858877.25	2.40E-03	3.78E-07	1.48E-07	2.45E-03	3.85E-07	1.51E-07	2.44E-03	3.85E-07	1.51E-07
4534	493363.09, 3858877.25	2.07E-03	3.26E-07	1.28E-07	2.11E-03	3.33E-07	1.31E-07	2.11E-03	3.33E-07	1.31E-07
4535	493863.09, 3858877.25	1.68E-03	2.65E-07	1.04E-07	1.71E-03	2.70E-07	1.06E-07	1.71E-03	2.70E-07	1.06E-07
4536	494363.09, 3858877.25	1.52E-03	2.40E-07	9.42E-08	1.55E-03	2.45E-07	9.62E-08	1.55E-03	2.44E-07	9.60E-08
4537	494863.09, 3858877.25	1.36E-03	2.14E-07	8.42E-08	1.39E-03	2.19E-07	8.59E-08	1.39E-03	2.18E-07	8.58E-08
4538	495363.09, 3858877.25	1.21E-03	1.90E-07	7.46E-08	1.23E-03	1.94E-07	7.61E-08	1.23E-03	1.94E-07	7.60E-08
4539	495863.09, 3858877.25	1.11E-03	1.75E-07	6.87E-08	1.13E-03	1.78E-07	7.01E-08	1.13E-03	1.78E-07	7.00E-08
4540	496363.09, 3858877.25	1.05E-03	1.66E-07	6.51E-08	1.07E-03	1.69E-07	6.64E-08	1.07E-03	1.69E-07	6.63E-08
4541	496863.09, 3858877.25	9.98E-04	1.57E-07	6.18E-08	1.02E-03	1.60E-07	6.30E-08	1.02E-03	1.60E-07	6.30E-08
4542	497363.09, 3858877.25	9.49E-04	1.49E-07	5.87E-08	9.68E-04	1.53E-07	5.99E-08	9.67E-04	1.52E-07	5.98E-08
4543	497863.09, 3858877.25	1.01E-03	1.60E-07	6.28E-08	1.03E-03	1.63E-07	6.41E-08	1.03E-03	1.63E-07	6.40E-08
4544	498363.09, 3858877.25	1.09E-03	1.71E-07	6.73E-08	1.11E-03	1.75E-07	6.87E-08	1.11E-03	1.75E-07	6.86E-08
4545	471363.09, 3859377.25	2.93E-04	4.61E-08	1.81E-08	2.99E-04	4.70E-08	1.85E-08	2.98E-04	4.70E-08	1.85E-08
4546	471863.09, 3859377.25	3.00E-04	4.73E-08	1.86E-08	3.06E-04	4.83E-08	1.90E-08	3.06E-04	4.82E-08	1.89E-08
4547	472363.09, 3859377.25	3.12E-04	4.92E-08	1.93E-08	3.19E-04	5.02E-08	1.97E-08	3.18E-04	5.02E-08	1.97E-08
4548	472863.09, 3859377.25	3.23E-04	5.09E-08	2.00E-08	3.30E-04	5.20E-08	2.04E-08	3.29E-04	5.19E-08	2.04E-08
4549	473363.09, 3859377.25	3.36E-04	5.29E-08	2.08E-08	3.43E-04	5.40E-08	2.12E-08	3.42E-04	5.39E-08	2.12E-08
4550	473863.09, 3859377.25	3.44E-04	5.42E-08	2.13E-08	3.51E-04	5.53E-08	2.17E-08	3.50E-04	5.52E-08	2.17E-08
4551	474363.09, 3859377.25	3.25E-04	5.12E-08	2.01E-08	3.31E-04	5.22E-08	2.05E-08	3.31E-04	5.21E-08	2.05E-08
4552	474863.09, 3859377.25	2.63E-04	4.14E-08	1.62E-08	2.68E-04	4.22E-08	1.66E-08	2.68E-04	4.22E-08	1.66E-08
4553	475363.09, 3859377.25	1.79E-04	2.82E-08	1.11E-08	1.83E-04	2.88E-08	1.13E-08	1.82E-04	2.87E-08	1.13E-08
4554	475863.09, 3859377.25	1.08E-04	1.69E-08	6.66E-09	1.10E-04	1.73E-08	6.79E-09	1.10E-04	1.73E-08	6.78E-09
4555	476363.09, 3859377.25	9.13E-05	1.44E-08	5.65E-09	9.32E-05	1.47E-08	5.77E-09	9.31E-05	1.47E-08	5.76E-09
4556	476863.09, 3859377.25	6.87E-05	1.08E-08	4.25E-09	7.01E-05	1.10E-08	4.34E-09	7.00E-05	1.10E-08	4.33E-09
4557	477363.09, 3859377.25	7.54E-05	1.19E-08	4.67E-09	7.70E-05	1.21E-08	4.76E-09	7.69E-05	1.21E-08	4.76E-09
4558	477863.09, 3859377.25	1.57E-04	2.48E-08	9.74E-09	1.61E-04	2.53E-08	9.94E-09	1.60E-04	2.53E-08	9.93E-09
4559	478363.09, 3859377.25	2.37E-04	3.74E-08	1.47E-08	2.42E-04	3.81E-08	1.50E-08	2.42E-04	3.81E-08	1.50E-08
4560	478863.09, 3859377.25	3.25E-04	5.12E-08	2.01E-08	3.32E-04	5.23E-08	2.05E-08	3.32E-04	5.22E-08	2.05E-08
4561	479363.09, 3859377.25	3.88E-04	6.11E-08	2.40E-08	3.96E-04	6.24E-08	2.45E-08	3.96E-04	6.23E-08	2.45E-08
4562	479863.09, 3859377.25	4.29E-04	6.75E-08	2.65E-08	4.37E-04	6.89E-08	2.71E-08	4.37E-04	6.88E-08	2.70E-08
4563	480363.09, 3859377.25	4.59E-04	7.24E-08	2.84E-08	4.69E-04	7.38E-08	2.90E-08	4.68E-04	7.38E-08	2.90E-08
4564	480863.09, 3859377.25	4.81E-04	7.58E-08	2.98E-08	4.91E-04	7.74E-08	3.04E-08	4.90E-04	7.73E-08	3.04E-08
4565	481363.09, 3859377.25	4.95E-04	7.80E-08	3.07E-08	5.05E-04	7.96E-08	3.13E-08	5.05E-04	7.95E-08	3.12E-08
4566	481863.09, 3859377.25	5.06E-04	7.97E-08	3.13E-08	5.16E-04	8.13E-08	3.20E-08	5.16E-04	8.12E-08	3.19E-08
4567	482363.09, 3859377.25	5.19E-04	8.18E-08	3.21E-08	5.30E-04	8.35E-08	3.28E-08	5.29E-04	8.34E-08	3.27E-08
4568	482863.09, 3859377.25	5.40E-04	8.51E-08	3.34E-08	5.51E-04	8.69E-08	3.41E-08	5.51E-04	8.68E-08	3.41E-08
4569	483363.09, 3859377.25	5.78E-04	9.10E-08	3.57E-08	5.89E-04	9.28E-08	3.65E-08	5.89E-04	9.27E-08	3.64E-08
4570	483863.09, 3859377.25	6.11E-04	9.63E-08	3.78E-08	6.24E-04	9.82E-08	3.86E-08	6.23E-04	9.81E-08	3.85E-08
4571	484363.09, 3859377.25	6.52E-04	1.03E-07	4.04E-08	6.66E-04	1.05E-07	4.12E-08	6.65E-04	1.05E-07	4.12E-08
4572	484863.09, 3859377.25	7.02E-04	1.11E-07	4.35E-08	7.17E-04	1.13E-07	4.44E-08	7.16E-04	1.13E-07	4.43E-08
4573	485363.09, 3859377.25	7.68E-04	1.21E-07	4.76E-08	7.84E-04	1.24E-07	4.85E-08	7.83E-04	1.23E-07	4.85E-08
4574	485863.09, 3859377.25	8.62E-04	1.36E-07	5.33E-08	8.79E-04	1.39E-07	5.44E-08	8.78E-04	1.38E-07	5.43E-08
4575	486363.09, 3859377.25	9.94E-04	1.57E-07	6.15E-08	1.01E-03	1.60E-07	6.28E-08	1.01E-03	1.60E-07	6.27E-08
4576	486863.09, 3859377.25	1.18E-03	1.86E-07	7.30E-08	1.20E-03	1.90E-07	7.45E-08	1.20E-03	1.89E-07	7.44E-08
4577	487363.09, 3859377.25	1.49E-03	2.34E-07	9.19E-08	1.52E-03	2.39E-07	9.38E-08	1.51E-03	2.39E-07	9.37E-08
4578	487863.09, 3859377.25	2.10E-03	3.30E-07	1.30E-07	2.14E-03	3.37E-07	1.32E-07	2.14E-03	3.36E-07	1.32E-07
4579	488363.09, 3859377.25	3.30E-03	5.20E-07	2.04E-07	3.37E-03	5.30E-07	2.08E-07	3.36E-03	5.30E-07	2.08E-07
4580	488863.09, 3859377.25	6.65E-03	1.05E-06	4.12E-07	6.79E-03	1.07E-06	4.20E-07	6.78E-03	1.07E-06	4.19E-07
4581	489363.09, 3859377.25	1.79E-02	2.83E-06	1.11E-06	1.83E-02	2.88E-06	1.13E-06	1.83E-02	2.88E-06	1.13E-06
4582	489863.09, 3859377.25	6.24E-02	9.84E-06	3.86E-06	6.37E-02	1.00E-05	3.94E-06	6.36E-02	1.00E-05	3.94E-06
4583	490363.09, 3859377.25	2.15E-02	3.39E-06	1.33E-06	2.19E-02	3.46E-06	1.36E-06	2.19E-02	3.45E-06	1.36E-06
4584	490863.09, 3859377.25	1.06E-02	1.66E-06	6.53E-07	1.08E-02	1.70E-06	6.67E-07	1.08E-02	1.69E-06	6.66E-07
4585	491363.09, 3859377.25	5.24E-03	8.26E-07	3.24E-07	5.35E-03	8.43E-07	3.31E-07	5.34E-03	8.42E-07	3.31E-07
4586	491863.09, 3859377.25	5.56E-03	8.77E-07	3.44E-07	5.68E-03	8.94E-07	3.51E-07	5.67E-03	8.93E-07	3.51E-07
4587	492363.09, 3859377.25	4.74E-03	7.47E-07	2.93E-07	4.84E-03	7.62E-07	2.99E-07	4.83E-03	7.61E-07	2.99E-07
4588	492863.09, 3859377.25	4.24E-03	6.68E-07	2.62E-07	4.33E-03	6.81E-07	2.68E-07	4.32E-03	6.81E-07	2.67E-07
4589	493363.09, 3859377.25	3.35E-03	5.28E-07	2.08E-07	3.42E-03	5.39E-07	2.12E-07	3.42E-03	5.39E-07	2.12E-07
4590	493863.09, 3859377.25	2.95E-03	4.65E-07	1.83E-07	3.01E-03	4.74E-07	1.86E-07	3.01E-03	4.74E-07	1.86E-07
4591	494363.09, 3859377.25	2.50E-03	3.94E-07	1.55E-07	2.55E-03	4.02E-07	1.58E-07	2.55E-03	4.02E-07	1.58E-07
4592	494863.09, 3859377.25	1.97E-03	3.10E-07	1.22E-07	2.01E-03	3.16E-07	1.24E-07	2.01E-03	3.16E-07	1.24E-07
4593	495363.09, 3859377.25	1.77E-03	2.79E-07	1.10E-07	1.81E-03	2.85E-07	1.12E-07	1.80E-03	2.84E-07	1.12E-07
4594	495863.09, 3859377.25	1.55E-03	2.45E-07	9.61E-08	1.58E-03	2.50E-07	9.80E-08	1.58E-03	2.49E-07	9.79E-08
4595	496363.09, 3859377.25	1.46E-03	2.29E-07	9.01E-08	1.49E-03	2.34E-07	9.20E-08	1.48E-03	2.34E-07	9.19E-08

4596	496863.09, 3859377.25	1.25E-03	1.97E-07	7.75E-08	1.28E-03	2.01E-07	7.91E-08	1.28E-03	2.01E-07	7.90E-08
4597	497363.09, 3859377.25	1.23E-03	1.94E-07	7.62E-08	1.26E-03	1.98E-07	7.77E-08	1.25E-03	1.98E-07	7.76E-08
4598	497863.09, 3859377.25	1.28E-03	2.02E-07	7.92E-08	1.31E-03	2.06E-07	8.08E-08	1.30E-03	2.05E-07	8.07E-08
4599	498363.09, 3859377.25	1.30E-03	2.05E-07	8.07E-08	1.33E-03	2.10E-07	8.23E-08	1.33E-03	2.09E-07	8.22E-08
4600	471363.09, 3859877.25	2.78E-04	4.39E-08	1.72E-08	2.84E-04	4.48E-08	1.76E-08	2.84E-04	4.47E-08	1.76E-08
4601	471863.09, 3859877.25	2.88E-04	4.53E-08	1.78E-08	2.93E-04	4.62E-08	1.82E-08	2.93E-04	4.62E-08	1.81E-08
4602	472363.09, 3859877.25	2.96E-04	4.66E-08	1.83E-08	3.02E-04	4.75E-08	1.87E-08	3.01E-04	4.75E-08	1.86E-08
4603	472863.09, 3859877.25	3.07E-04	4.84E-08	1.90E-08	3.13E-04	4.94E-08	1.94E-08	3.13E-04	4.93E-08	1.94E-08
4604	473363.09, 3859877.25	3.18E-04	5.00E-08	1.97E-08	3.24E-04	5.11E-08	2.01E-08	3.24E-04	5.10E-08	2.00E-08
4605	473863.09, 3859877.25	3.26E-04	5.14E-08	2.02E-08	3.33E-04	5.25E-08	2.06E-08	3.33E-04	5.24E-08	2.06E-08
4606	474363.09, 3859877.25	3.17E-04	4.99E-08	1.96E-08	3.24E-04	5.10E-08	2.00E-08	3.23E-04	5.09E-08	2.00E-08
4607	474863.09, 3859877.25	2.88E-04	4.54E-08	1.79E-08	2.94E-04	4.64E-08	1.82E-08	2.94E-04	4.63E-08	1.82E-08
4608	475363.09, 3859877.25	2.04E-04	3.21E-08	1.26E-08	2.08E-04	3.28E-08	1.29E-08	2.08E-04	3.27E-08	1.29E-08
4609	475863.09, 3859877.25	1.03E-04	1.62E-08	6.36E-09	1.05E-04	1.65E-08	6.49E-09	1.05E-04	1.65E-08	6.49E-09
4610	476363.09, 3859877.25	5.48E-05	8.63E-09	3.39E-09	5.59E-05	8.81E-09	3.46E-09	5.59E-05	8.80E-09	3.46E-09
4611	476863.09, 3859877.25	6.54E-05	1.03E-08	4.05E-09	6.68E-05	1.05E-08	4.13E-09	6.67E-05	1.05E-08	4.13E-09
4612	477363.09, 3859877.25	7.04E-05	1.11E-08	4.36E-09	7.19E-05	1.13E-08	4.45E-09	7.18E-05	1.13E-08	4.44E-09
4613	477863.09, 3859877.25	1.39E-04	2.20E-08	8.63E-09	1.42E-04	2.24E-08	8.80E-09	1.42E-04	2.24E-08	8.79E-09
4614	478363.09, 3859877.25	2.27E-04	3.58E-08	1.41E-08	2.32E-04	3.66E-08	1.44E-08	2.32E-04	3.65E-08	1.43E-08
4615	478863.09, 3859877.25	3.08E-04	4.86E-08	1.91E-08	3.15E-04	4.95E-08	1.95E-08	3.14E-04	4.95E-08	1.94E-08
4616	479363.09, 3859877.25	3.74E-04	5.89E-08	2.31E-08	3.81E-04	6.01E-08	2.36E-08	3.81E-04	6.00E-08	2.36E-08
4617	479863.09, 3859877.25	4.08E-04	6.43E-08	2.53E-08	4.17E-04	6.57E-08	2.58E-08	4.16E-04	6.56E-08	2.58E-08
4618	480363.09, 3859877.25	4.35E-04	6.85E-08	2.69E-08	4.44E-04	6.99E-08	2.74E-08	4.43E-04	6.98E-08	2.74E-08
4619	480863.09, 3859877.25	4.54E-04	7.15E-08	2.81E-08	4.63E-04	7.29E-08	2.87E-08	4.63E-04	7.29E-08	2.86E-08
4620	481363.09, 3859877.25	4.67E-04	7.36E-08	2.89E-08	4.77E-04	7.51E-08	2.95E-08	4.76E-04	7.50E-08	2.95E-08
4621	481863.09, 3859877.25	4.79E-04	7.54E-08	2.96E-08	4.89E-04	7.70E-08	3.02E-08	4.88E-04	7.69E-08	3.02E-08
4622	482363.09, 3859877.25	4.96E-04	7.81E-08	3.07E-08	5.06E-04	7.97E-08	3.13E-08	5.05E-04	7.96E-08	3.13E-08
4623	482863.09, 3859877.25	5.15E-04	8.11E-08	3.19E-08	5.26E-04	8.28E-08	3.25E-08	5.25E-04	8.27E-08	3.25E-08
4624	483363.09, 3859877.25	5.43E-04	8.56E-08	3.36E-08	5.54E-04	8.73E-08	3.43E-08	5.54E-04	8.72E-08	3.43E-08
4625	483863.09, 3859877.25	5.82E-04	9.17E-08	3.60E-08	5.94E-04	9.36E-08	3.68E-08	5.93E-04	9.35E-08	3.67E-08
4626	484363.09, 3859877.25	6.19E-04	9.76E-08	3.83E-08	6.32E-04	9.96E-08	3.91E-08	6.31E-04	9.94E-08	3.91E-08
4627	484863.09, 3859877.25	6.67E-04	1.05E-07	4.13E-08	6.80E-04	1.07E-07	4.21E-08	6.80E-04	1.07E-07	4.21E-08
4628	485363.09, 3859877.25	7.29E-04	1.15E-07	4.51E-08	7.44E-04	1.17E-07	4.61E-08	7.43E-04	1.17E-07	4.60E-08
4629	485863.09, 3859877.25	8.17E-04	1.29E-07	5.06E-08	8.34E-04	1.31E-07	5.16E-08	8.33E-04	1.31E-07	5.16E-08
4630	486363.09, 3859877.25	9.45E-04	1.49E-07	5.85E-08	9.64E-04	1.52E-07	5.97E-08	9.63E-04	1.52E-07	5.96E-08
4631	486863.09, 3859877.25	1.14E-03	1.80E-07	7.06E-08	1.16E-03	1.83E-07	7.20E-08	1.16E-03	1.83E-07	7.19E-08
4632	487363.09, 3859877.25	1.39E-03	2.20E-07	8.62E-08	1.42E-03	2.24E-07	8.80E-08	1.42E-03	2.24E-07	8.79E-08
4633	487863.09, 3859877.25	1.83E-03	2.88E-07	1.13E-07	1.86E-03	2.94E-07	1.15E-07	1.86E-03	2.93E-07	1.15E-07
4634	488363.09, 3859877.25	2.49E-03	3.92E-07	1.54E-07	2.54E-03	4.00E-07	1.57E-07	2.54E-03	4.00E-07	1.57E-07
4635	488863.09, 3859877.25	3.66E-03	5.76E-07	2.26E-07	3.73E-03	5.88E-07	2.31E-07	3.73E-03	5.87E-07	2.31E-07
4636	489363.09, 3859877.25	5.57E-03	8.78E-07	3.45E-07	5.69E-03	8.96E-07	3.52E-07	5.68E-03	8.95E-07	3.51E-07
4637	489863.09, 3859877.25	9.34E-03	1.47E-06	5.78E-07	9.53E-03	1.50E-06	5.90E-07	9.52E-03	1.50E-06	5.89E-07
4638	490363.09, 3859877.25	1.82E-02	2.87E-06	1.13E-06	1.86E-02	2.93E-06	1.15E-06	1.86E-02	2.93E-06	1.15E-06
4639	490863.09, 3859877.25	8.99E-02	1.42E-05	5.56E-06	9.17E-02	1.45E-05	5.68E-06	9.16E-02	1.44E-05	5.67E-06
4640	491363.09, 3859877.25	2.88E-02	4.54E-06	1.78E-06	2.94E-02	4.63E-06	1.82E-06	2.93E-02	4.62E-06	1.82E-06
4641	491863.09, 3859877.25	1.49E-02	2.35E-06	9.25E-07	1.53E-02	2.40E-06	9.44E-07	1.52E-02	2.40E-06	9.43E-07
4642	492363.09, 3859877.25	1.00E-02	1.58E-06	6.21E-07	1.02E-02	1.61E-06	6.34E-07	1.02E-02	1.61E-06	6.33E-07
4643	492863.09, 3859877.25	6.95E-03	1.10E-06	4.30E-07	7.09E-03	1.12E-06	4.39E-07	7.09E-03	1.12E-06	4.39E-07
4644	493363.09, 3859877.25	5.36E-03	8.44E-07	3.31E-07	5.47E-03	8.61E-07	3.38E-07	5.46E-03	8.60E-07	3.38E-07
4645	493863.09, 3859877.25	4.25E-03	6.70E-07	2.63E-07	4.34E-03	6.84E-07	2.69E-07	4.34E-03	6.83E-07	2.68E-07
4646	494363.09, 3859877.25	3.34E-03	5.26E-07	2.07E-07	3.41E-03	5.37E-07	2.11E-07	3.41E-03	5.37E-07	2.11E-07
4647	494863.09, 3859877.25	2.85E-03	4.49E-07	1.76E-07	2.91E-03	4.58E-07	1.80E-07	2.90E-03	4.57E-07	1.80E-07
4648	495363.09, 3859877.25	2.39E-03	3.76E-07	1.48E-07	2.43E-03	3.84E-07	1.51E-07	2.43E-03	3.83E-07	1.50E-07
4649	495863.09, 3859877.25	2.02E-03	3.18E-07	1.25E-07	2.06E-03	3.24E-07	1.27E-07	2.06E-03	3.24E-07	1.27E-07
4650	496363.09, 3859877.25	1.64E-03	2.59E-07	1.02E-07	1.68E-03	2.64E-07	1.04E-07	1.67E-03	2.64E-07	1.04E-07
4651	496863.09, 3859877.25	1.18E-03	1.86E-07	7.33E-08	1.21E-03	1.90E-07	7.48E-08	1.21E-03	1.90E-07	7.47E-08
4652	497363.09, 3859877.25	1.31E-03	2.06E-07	8.09E-08	1.33E-03	2.10E-07	8.25E-08	1.33E-03	2.10E-07	8.25E-08
4653	497863.09, 3859877.25	1.42E-03	2.24E-07	8.82E-08	1.45E-03	2.29E-07	9.00E-08	1.45E-03	2.29E-07	8.98E-08
4654	498363.09, 3859877.25	1.42E-03	2.23E-07	8.77E-08	1.45E-03	2.28E-07	8.95E-08	1.44E-03	2.28E-07	8.94E-08
4655	471363.09, 3860377.25	2.67E-04	4.20E-08	1.65E-08	2.72E-04	4.29E-08	1.68E-08	2.72E-04	4.28E-08	1.68E-08
4656	471863.09, 3860377.25	2.75E-04	4.33E-08	1.70E-08	2.81E-04	4.42E-08	1.74E-08	2.80E-04	4.41E-08	1.73E-08
4657	472363.09, 3860377.25	2.84E-04	4.47E-08	1.76E-08	2.90E-04	4.57E-08	1.79E-08	2.90E-04	4.56E-08	1.79E-08
4658	472863.09, 3860377.25	2.94E-04	4.63E-08	1.82E-08	3.00E-04	4.72E-08	1.86E-08	2.99E-04	4.72E-08	1.85E-08

4659	473363.09, 3860377.25	3.03E-04	4.77E-08	1.87E-08	3.09E-04	4.86E-08	1.91E-08	3.08E-04	4.86E-08	1.91E-08
4660	473863.09, 3860377.25	3.10E-04	4.88E-08	1.92E-08	3.16E-04	4.98E-08	1.96E-08	3.16E-04	4.98E-08	1.96E-08
4661	474363.09, 3860377.25	3.12E-04	4.92E-08	1.93E-08	3.19E-04	5.02E-08	1.97E-08	3.18E-04	5.02E-08	1.97E-08
4662	474863.09, 3860377.25	3.07E-04	4.84E-08	1.90E-08	3.13E-04	4.94E-08	1.94E-08	3.13E-04	4.93E-08	1.94E-08
4663	475363.09, 3860377.25	2.83E-04	4.47E-08	1.75E-08	2.89E-04	4.56E-08	1.79E-08	2.89E-04	4.55E-08	1.79E-08
4664	475863.09, 3860377.25	2.51E-04	3.95E-08	1.55E-08	2.56E-04	4.03E-08	1.58E-08	2.56E-04	4.03E-08	1.58E-08
4665	476363.09, 3860377.25	2.07E-04	3.26E-08	1.28E-08	2.11E-04	3.33E-08	1.31E-08	2.11E-04	3.33E-08	1.31E-08
4666	476863.09, 3860377.25	1.88E-04	2.96E-08	1.16E-08	1.92E-04	3.02E-08	1.19E-08	1.92E-04	3.02E-08	1.19E-08
4667	477363.09, 3860377.25	1.15E-04	1.81E-08	7.11E-09	1.17E-04	1.85E-08	7.26E-09	1.17E-04	1.85E-08	7.25E-09
4668	477863.09, 3860377.25	1.45E-04	2.28E-08	8.95E-09	1.48E-04	2.33E-08	9.14E-09	1.47E-04	2.32E-08	9.13E-09
4669	478363.09, 3860377.25	2.37E-04	3.74E-08	1.47E-08	2.42E-04	3.82E-08	1.50E-08	2.42E-04	3.81E-08	1.50E-08
4670	478863.09, 3860377.25	2.99E-04	4.72E-08	1.85E-08	3.05E-04	4.81E-08	1.89E-08	3.05E-04	4.81E-08	1.89E-08
4671	479363.09, 3860377.25	3.53E-04	5.56E-08	2.18E-08	3.60E-04	5.67E-08	2.23E-08	3.60E-04	5.67E-08	2.23E-08
4672	479863.09, 3860377.25	3.90E-04	6.14E-08	2.41E-08	3.97E-04	6.26E-08	2.46E-08	3.97E-04	6.25E-08	2.46E-08
4673	480363.09, 3860377.25	4.13E-04	6.51E-08	2.56E-08	4.22E-04	6.65E-08	2.61E-08	4.21E-04	6.64E-08	2.61E-08
4674	480863.09, 3860377.25	4.30E-04	6.78E-08	2.66E-08	4.39E-04	6.92E-08	2.72E-08	4.38E-04	6.91E-08	2.71E-08
4675	481363.09, 3860377.25	4.40E-04	6.94E-08	2.72E-08	4.49E-04	7.08E-08	2.78E-08	4.49E-04	7.07E-08	2.78E-08
4676	481863.09, 3860377.25	4.55E-04	7.16E-08	2.81E-08	4.64E-04	7.31E-08	2.87E-08	4.63E-04	7.30E-08	2.87E-08
4677	482363.09, 3860377.25	4.70E-04	7.40E-08	2.91E-08	4.79E-04	7.55E-08	2.97E-08	4.79E-04	7.54E-08	2.96E-08
4678	482863.09, 3860377.25	4.86E-04	7.66E-08	3.01E-08	4.96E-04	7.82E-08	3.07E-08	4.96E-04	7.81E-08	3.07E-08
4679	483363.09, 3860377.25	5.14E-04	8.10E-08	3.18E-08	5.25E-04	8.27E-08	3.25E-08	5.24E-04	8.26E-08	3.25E-08
4680	483863.09, 3860377.25	5.50E-04	8.67E-08	3.40E-08	5.61E-04	8.84E-08	3.47E-08	5.61E-04	8.83E-08	3.47E-08
4681	484363.09, 3860377.25	5.91E-04	9.32E-08	3.66E-08	6.03E-04	9.51E-08	3.73E-08	6.03E-04	9.50E-08	3.73E-08
4682	484863.09, 3860377.25	6.40E-04	1.01E-07	3.96E-08	6.53E-04	1.03E-07	4.04E-08	6.52E-04	1.03E-07	4.04E-08
4683	485363.09, 3860377.25	7.00E-04	1.10E-07	4.33E-08	7.14E-04	1.13E-07	4.42E-08	7.14E-04	1.12E-07	4.42E-08
4684	485863.09, 3860377.25	7.87E-04	1.24E-07	4.87E-08	8.03E-04	1.26E-07	4.97E-08	8.02E-04	1.26E-07	4.96E-08
4685	486363.09, 3860377.25	8.96E-04	1.41E-07	5.55E-08	9.15E-04	1.44E-07	5.66E-08	9.14E-04	1.44E-07	5.65E-08
4686	486863.09, 3860377.25	1.03E-03	1.63E-07	6.38E-08	1.05E-03	1.66E-07	6.51E-08	1.05E-03	1.66E-07	6.51E-08
4687	487363.09, 3860377.25	1.21E-03	1.91E-07	7.50E-08	1.24E-03	1.95E-07	7.66E-08	1.24E-03	1.95E-07	7.65E-08
4688	487863.09, 3860377.25	1.50E-03	2.37E-07	9.31E-08	1.54E-03	2.42E-07	9.50E-08	1.53E-03	2.42E-07	9.49E-08
4689	488363.09, 3860377.25	1.90E-03	3.00E-07	1.18E-07	1.94E-03	3.06E-07	1.20E-07	1.94E-03	3.05E-07	1.20E-07
4690	488863.09, 3860377.25	2.43E-03	3.83E-07	1.51E-07	2.48E-03	3.91E-07	1.54E-07	2.48E-03	3.91E-07	1.53E-07
4691	489363.09, 3860377.25	3.11E-03	4.90E-07	1.93E-07	3.17E-03	5.00E-07	1.96E-07	3.17E-03	4.99E-07	1.96E-07
4692	489863.09, 3860377.25	4.12E-03	6.50E-07	2.55E-07	4.21E-03	6.63E-07	2.61E-07	4.20E-03	6.62E-07	2.60E-07
4693	490363.09, 3860377.25	5.51E-03	8.67E-07	3.41E-07	5.62E-03	8.85E-07	3.48E-07	5.61E-03	8.84E-07	3.47E-07
4694	490863.09, 3860377.25	8.12E-03	1.28E-06	5.03E-07	8.29E-03	1.31E-06	5.13E-07	8.28E-03	1.30E-06	5.12E-07
4695	491363.09, 3860377.25	1.80E-02	2.84E-06	1.12E-06	1.84E-02	2.90E-06	1.14E-06	1.84E-02	2.89E-06	1.14E-06
4696	491863.09, 3860377.25	3.61E-02	5.69E-06	2.24E-06	3.69E-02	5.81E-06	2.28E-06	3.68E-02	5.80E-06	2.28E-06
4697	492363.09, 3860377.25	1.52E-02	2.40E-06	9.43E-07	1.55E-02	2.45E-06	9.62E-07	1.55E-02	2.45E-06	9.61E-07
4698	492863.09, 3860377.25	8.99E-03	1.42E-06	5.56E-07	9.17E-03	1.44E-06	5.67E-07	9.16E-03	1.44E-06	5.67E-07
4699	493363.09, 3860377.25	6.07E-03	9.57E-07	3.76E-07	6.20E-03	9.76E-07	3.83E-07	6.19E-03	9.75E-07	3.83E-07
4700	493863.09, 3860377.25	4.71E-03	7.43E-07	2.92E-07	4.81E-03	7.58E-07	2.98E-07	4.81E-03	7.57E-07	2.97E-07
4701	494363.09, 3860377.25	3.72E-03	5.86E-07	2.30E-07	3.80E-03	5.98E-07	2.35E-07	3.79E-03	5.98E-07	2.35E-07
4702	494863.09, 3860377.25	3.15E-03	4.96E-07	1.95E-07	3.21E-03	5.06E-07	1.99E-07	3.21E-03	5.05E-07	1.98E-07
4703	495363.09, 3860377.25	2.64E-03	4.15E-07	1.63E-07	2.69E-03	4.24E-07	1.67E-07	2.69E-03	4.23E-07	1.66E-07
4704	495863.09, 3860377.25	2.11E-03	3.32E-07	1.31E-07	2.15E-03	3.39E-07	1.33E-07	2.15E-03	3.39E-07	1.33E-07
4705	496363.09, 3860377.25	1.70E-03	2.68E-07	1.05E-07	1.73E-03	2.73E-07	1.07E-07	1.73E-03	2.73E-07	1.07E-07
4706	496863.09, 3860377.25	1.43E-03	2.26E-07	8.87E-08	1.46E-03	2.30E-07	9.05E-08	1.46E-03	2.30E-07	9.04E-08
4707	497363.09, 3860377.25	1.19E-03	1.88E-07	7.37E-08	1.22E-03	1.91E-07	7.52E-08	1.21E-03	1.91E-07	7.51E-08
4708	497863.09, 3860377.25	1.30E-03	2.05E-07	8.05E-08	1.33E-03	2.09E-07	8.22E-08	1.33E-03	2.09E-07	8.21E-08
4709	498363.09, 3860377.25	1.34E-03	2.11E-07	8.30E-08	1.37E-03	2.16E-07	8.47E-08	1.37E-03	2.15E-07	8.46E-08
4710	471363.09, 3860877.25	2.59E-04	4.08E-08	1.60E-08	2.64E-04	4.16E-08	1.64E-08	2.64E-04	4.16E-08	1.63E-08
4711	471863.09, 3860877.25	2.67E-04	4.21E-08	1.65E-08	2.72E-04	4.29E-08	1.69E-08	2.72E-04	4.29E-08	1.68E-08
4712	472363.09, 3860877.25	2.75E-04	4.33E-08	1.70E-08	2.80E-04	4.41E-08	1.73E-08	2.80E-04	4.41E-08	1.73E-08
4713	472863.09, 3860877.25	2.83E-04	4.46E-08	1.75E-08	2.89E-04	4.55E-08	1.79E-08	2.89E-04	4.55E-08	1.79E-08
4714	473363.09, 3860877.25	2.91E-04	4.58E-08	1.80E-08	2.96E-04	4.67E-08	1.83E-08	2.96E-04	4.66E-08	1.83E-08
4715	473863.09, 3860877.25	2.98E-04	4.69E-08	1.84E-08	3.04E-04	4.78E-08	1.88E-08	3.03E-04	4.78E-08	1.88E-08
4716	474363.09, 3860877.25	3.04E-04	4.79E-08	1.88E-08	3.10E-04	4.89E-08	1.92E-08	3.10E-04	4.88E-08	1.92E-08
4717	474863.09, 3860877.25	3.10E-04	4.88E-08	1.92E-08	3.16E-04	4.98E-08	1.96E-08	3.16E-04	4.98E-08	1.96E-08
4718	475363.09, 3860877.25	3.09E-04	4.87E-08	1.91E-08	3.15E-04	4.97E-08	1.95E-08	3.15E-04	4.96E-08	1.95E-08
4719	475863.09, 3860877.25	3.01E-04	4.73E-08	1.86E-08	3.07E-04	4.83E-08	1.90E-08	3.06E-04	4.83E-08	1.90E-08
4720	476363.09, 3860877.25	2.79E-04	4.40E-08	1.73E-08	2.85E-04	4.49E-08	1.76E-08	2.85E-04	4.49E-08	1.76E-08
4721	476863.09, 3860877.25	2.69E-04	4.24E-08	1.66E-08	2.75E-04	4.32E-08	1.70E-08	2.74E-04	4.32E-08	1.70E-08

4722	477363.09, 3860877.25	2.71E-04	4.26E-08	1.67E-08	2.76E-04	4.35E-08	1.71E-08	2.76E-04	4.34E-08	1.71E-08
4723	477863.09, 3860877.25	2.44E-04	3.84E-08	1.51E-08	2.49E-04	3.92E-08	1.54E-08	2.49E-04	3.92E-08	1.54E-08
4724	478363.09, 3860877.25	1.64E-04	2.58E-08	1.01E-08	1.67E-04	2.63E-08	1.03E-08	1.67E-04	2.63E-08	1.03E-08
4725	478863.09, 3860877.25	2.79E-04	4.39E-08	1.73E-08	2.84E-04	4.48E-08	1.76E-08	2.84E-04	4.48E-08	1.76E-08
4726	479363.09, 3860877.25	3.37E-04	5.30E-08	2.08E-08	3.43E-04	5.41E-08	2.13E-08	3.43E-04	5.40E-08	2.12E-08
4727	479863.09, 3860877.25	3.71E-04	5.85E-08	2.30E-08	3.79E-04	5.97E-08	2.34E-08	3.78E-04	5.96E-08	2.34E-08
4728	480363.09, 3860877.25	3.94E-04	6.20E-08	2.44E-08	4.02E-04	6.33E-08	2.49E-08	4.01E-04	6.32E-08	2.48E-08
4729	480863.09, 3860877.25	4.06E-04	6.40E-08	2.51E-08	4.14E-04	6.53E-08	2.56E-08	4.14E-04	6.52E-08	2.56E-08
4730	481363.09, 3860877.25	4.17E-04	6.57E-08	2.58E-08	4.26E-04	6.71E-08	2.63E-08	4.25E-04	6.70E-08	2.63E-08
4731	481863.09, 3860877.25	4.30E-04	6.78E-08	2.66E-08	4.39E-04	6.92E-08	2.72E-08	4.38E-04	6.91E-08	2.71E-08
4732	482363.09, 3860877.25	4.47E-04	7.04E-08	2.77E-08	4.56E-04	7.19E-08	2.82E-08	4.56E-04	7.18E-08	2.82E-08
4733	482863.09, 3860877.25	4.66E-04	7.34E-08	2.88E-08	4.76E-04	7.49E-08	2.94E-08	4.75E-04	7.48E-08	2.94E-08
4734	483363.09, 3860877.25	4.93E-04	7.76E-08	3.05E-08	5.03E-04	7.92E-08	3.11E-08	5.02E-04	7.91E-08	3.11E-08
4735	483863.09, 3860877.25	5.28E-04	8.32E-08	3.27E-08	5.39E-04	8.49E-08	3.34E-08	5.38E-04	8.48E-08	3.33E-08
4736	484363.09, 3860877.25	5.71E-04	9.00E-08	3.54E-08	5.83E-04	9.18E-08	3.61E-08	5.82E-04	9.17E-08	3.60E-08
4737	484863.09, 3860877.25	6.13E-04	9.66E-08	3.79E-08	6.26E-04	9.86E-08	3.87E-08	6.25E-04	9.85E-08	3.87E-08
4738	485363.09, 3860877.25	6.72E-04	1.06E-07	4.16E-08	6.86E-04	1.08E-07	4.24E-08	6.85E-04	1.08E-07	4.24E-08
4739	485863.09, 3860877.25	7.43E-04	1.17E-07	4.60E-08	7.58E-04	1.19E-07	4.69E-08	7.57E-04	1.19E-07	4.69E-08
4740	486363.09, 3860877.25	8.17E-04	1.29E-07	5.06E-08	8.33E-04	1.31E-07	5.16E-08	8.33E-04	1.31E-07	5.15E-08
4741	486863.09, 3860877.25	9.20E-04	1.45E-07	5.69E-08	9.38E-04	1.48E-07	5.81E-08	9.37E-04	1.48E-07	5.80E-08
4742	487363.09, 3860877.25	1.06E-03	1.67E-07	6.55E-08	1.08E-03	1.70E-07	6.68E-08	1.08E-03	1.70E-07	6.67E-08
4743	487863.09, 3860877.25	1.24E-03	1.95E-07	7.66E-08	1.26E-03	1.99E-07	7.81E-08	1.26E-03	1.99E-07	7.80E-08
4744	488363.09, 3860877.25	1.51E-03	2.38E-07	9.34E-08	1.54E-03	2.43E-07	9.53E-08	1.54E-03	2.42E-07	9.52E-08
4745	488863.09, 3860877.25	1.75E-03	2.76E-07	1.08E-07	1.79E-03	2.82E-07	1.11E-07	1.79E-03	2.81E-07	1.10E-07
4746	489363.09, 3860877.25	2.11E-03	3.32E-07	1.31E-07	2.15E-03	3.39E-07	1.33E-07	2.15E-03	3.39E-07	1.33E-07
4747	489863.09, 3860877.25	2.40E-03	3.79E-07	1.49E-07	2.45E-03	3.86E-07	1.52E-07	2.45E-03	3.86E-07	1.52E-07
4748	490363.09, 3860877.25	2.90E-03	4.57E-07	1.80E-07	2.96E-03	4.67E-07	1.83E-07	2.96E-03	4.66E-07	1.83E-07
4749	490863.09, 3860877.25	3.56E-03	5.61E-07	2.20E-07	3.63E-03	5.72E-07	2.25E-07	3.63E-03	5.72E-07	2.25E-07
4750	491363.09, 3860877.25	4.28E-03	6.74E-07	2.65E-07	4.36E-03	6.88E-07	2.70E-07	4.36E-03	6.87E-07	2.70E-07
4751	491863.09, 3860877.25	4.65E-03	7.32E-07	2.88E-07	4.74E-03	7.47E-07	2.93E-07	4.74E-03	7.46E-07	2.93E-07
4752	492363.09, 3860877.25	4.50E-03	7.09E-07	2.79E-07	4.59E-03	7.23E-07	2.84E-07	4.59E-03	7.23E-07	2.84E-07
4753	492863.09, 3860877.25	4.37E-03	6.88E-07	2.70E-07	4.46E-03	7.02E-07	2.76E-07	4.45E-03	7.01E-07	2.75E-07
4754	493363.09, 3860877.25	3.88E-03	6.11E-07	2.40E-07	3.96E-03	6.24E-07	2.45E-07	3.96E-03	6.23E-07	2.45E-07
4755	493863.09, 3860877.25	3.29E-03	5.18E-07	2.04E-07	3.36E-03	5.29E-07	2.08E-07	3.35E-03	5.28E-07	2.08E-07
4756	494363.09, 3860877.25	2.84E-03	4.47E-07	1.76E-07	2.90E-03	4.56E-07	1.79E-07	2.89E-03	4.56E-07	1.79E-07
4757	494863.09, 3860877.25	2.49E-03	3.92E-07	1.54E-07	2.54E-03	4.00E-07	1.57E-07	2.54E-03	4.00E-07	1.57E-07
4758	495363.09, 3860877.25	2.22E-03	3.49E-07	1.37E-07	2.26E-03	3.56E-07	1.40E-07	2.26E-03	3.56E-07	1.40E-07
4759	495863.09, 3860877.25	1.98E-03	3.12E-07	1.22E-07	2.02E-03	3.18E-07	1.25E-07	2.02E-03	3.18E-07	1.25E-07
4760	496363.09, 3860877.25	1.79E-03	2.83E-07	1.11E-07	1.83E-03	2.88E-07	1.13E-07	1.83E-03	2.88E-07	1.13E-07
4761	496863.09, 3860877.25	1.52E-03	2.39E-07	9.40E-08	1.55E-03	2.44E-07	9.59E-08	1.55E-03	2.44E-07	9.58E-08
4762	497363.09, 3860877.25	1.40E-03	2.21E-07	8.68E-08	1.43E-03	2.25E-07	8.86E-08	1.43E-03	2.25E-07	8.85E-08
4763	497863.09, 3860877.25	1.27E-03	2.00E-07	7.86E-08	1.30E-03	2.04E-07	8.02E-08	1.29E-03	2.04E-07	8.01E-08
4764	498363.09, 3860877.25	1.25E-03	1.96E-07	7.71E-08	1.27E-03	2.00E-07	7.87E-08	1.27E-03	2.00E-07	7.86E-08
4765	471363.09, 3861377.25	2.52E-04	3.97E-08	1.56E-08	2.57E-04	4.05E-08	1.59E-08	2.57E-04	4.05E-08	1.59E-08
4766	471863.09, 3861377.25	2.59E-04	4.08E-08	1.60E-08	2.65E-04	4.17E-08	1.64E-08	2.64E-04	4.16E-08	1.64E-08
4767	472363.09, 3861377.25	2.66E-04	4.19E-08	1.65E-08	2.72E-04	4.28E-08	1.68E-08	2.71E-04	4.27E-08	1.68E-08
4768	472863.09, 3861377.25	2.73E-04	4.31E-08	1.69E-08	2.79E-04	4.40E-08	1.73E-08	2.79E-04	4.39E-08	1.72E-08
4769	473363.09, 3861377.25	2.80E-04	4.41E-08	1.73E-08	2.86E-04	4.50E-08	1.77E-08	2.86E-04	4.50E-08	1.77E-08
4770	473863.09, 3861377.25	2.87E-04	4.52E-08	1.77E-08	2.93E-04	4.61E-08	1.81E-08	2.92E-04	4.60E-08	1.81E-08
4771	474363.09, 3861377.25	2.94E-04	4.63E-08	1.82E-08	3.00E-04	4.73E-08	1.86E-08	3.00E-04	4.72E-08	1.85E-08
4772	474863.09, 3861377.25	2.99E-04	4.72E-08	1.85E-08	3.05E-04	4.81E-08	1.89E-08	3.05E-04	4.81E-08	1.89E-08
4773	475363.09, 3861377.25	3.07E-04	4.83E-08	1.90E-08	3.13E-04	4.93E-08	1.94E-08	3.13E-04	4.93E-08	1.93E-08
4774	475863.09, 3861377.25	3.09E-04	4.87E-08	1.91E-08	3.15E-04	4.97E-08	1.95E-08	3.15E-04	4.96E-08	1.95E-08
4775	476363.09, 3861377.25	3.07E-04	4.83E-08	1.90E-08	3.13E-04	4.93E-08	1.94E-08	3.13E-04	4.93E-08	1.93E-08
4776	476863.09, 3861377.25	3.04E-04	4.79E-08	1.88E-08	3.10E-04	4.88E-08	1.92E-08	3.10E-04	4.88E-08	1.92E-08
4777	477363.09, 3861377.25	3.03E-04	4.77E-08	1.87E-08	3.09E-04	4.86E-08	1.91E-08	3.08E-04	4.86E-08	1.91E-08
4778	477863.09, 3861377.25	2.69E-04	4.24E-08	1.67E-08	2.75E-04	4.33E-08	1.70E-08	2.74E-04	4.32E-08	1.70E-08
4779	478363.09, 3861377.25	1.88E-04	2.96E-08	1.16E-08	1.92E-04	3.02E-08	1.19E-08	1.92E-04	3.02E-08	1.19E-08
4780	478863.09, 3861377.25	2.16E-04	3.40E-08	1.34E-08	2.20E-04	3.47E-08	1.36E-08	2.20E-04	3.47E-08	1.36E-08
4781	479363.09, 3861377.25	3.11E-04	4.90E-08	1.93E-08	3.18E-04	5.00E-08	1.97E-08	3.17E-04	5.00E-08	1.96E-08
4782	479863.09, 3861377.25	3.51E-04	5.53E-08	2.17E-08	3.58E-04	5.64E-08	2.22E-08	3.58E-04	5.63E-08	2.21E-08
4783	480363.09, 3861377.25	3.76E-04	5.92E-08	2.33E-08	3.84E-04	6.04E-08	2.37E-08	3.83E-04	6.04E-08	2.37E-08
4784	480863.09, 3861377.25	3.87E-04	6.10E-08	2.40E-08	3.95E-04	6.23E-08	2.45E-08	3.95E-04	6.22E-08	2.44E-08

4785	481363.09, 3861377.25	3.99E-04	6.29E-08	2.47E-08	4.07E-04	6.42E-08	2.52E-08	4.07E-04	6.41E-08	2.52E-08
4786	481863.09, 3861377.25	4.14E-04	6.52E-08	2.56E-08	4.22E-04	6.66E-08	2.61E-08	4.22E-04	6.65E-08	2.61E-08
4787	482363.09, 3861377.25	4.31E-04	6.78E-08	2.66E-08	4.39E-04	6.92E-08	2.72E-08	4.39E-04	6.91E-08	2.72E-08
4788	482863.09, 3861377.25	4.49E-04	7.07E-08	2.78E-08	4.58E-04	7.22E-08	2.84E-08	4.58E-04	7.21E-08	2.83E-08
4789	483363.09, 3861377.25	4.74E-04	7.47E-08	2.93E-08	4.84E-04	7.62E-08	2.99E-08	4.83E-04	7.61E-08	2.99E-08
4790	483863.09, 3861377.25	5.10E-04	8.04E-08	3.16E-08	5.20E-04	8.20E-08	3.22E-08	5.20E-04	8.19E-08	3.22E-08
4791	484363.09, 3861377.25	5.49E-04	8.65E-08	3.40E-08	5.60E-04	8.83E-08	3.47E-08	5.60E-04	8.82E-08	3.46E-08
4792	484863.09, 3861377.25	5.87E-04	9.25E-08	3.63E-08	5.99E-04	9.44E-08	3.71E-08	5.99E-04	9.43E-08	3.70E-08
4793	485363.09, 3861377.25	6.22E-04	9.80E-08	3.85E-08	6.35E-04	1.00E-07	3.93E-08	6.34E-04	9.99E-08	3.93E-08
4794	485863.09, 3861377.25	6.75E-04	1.06E-07	4.18E-08	6.89E-04	1.08E-07	4.26E-08	6.88E-04	1.08E-07	4.26E-08
4795	486363.09, 3861377.25	7.36E-04	1.16E-07	4.55E-08	7.51E-04	1.18E-07	4.65E-08	7.50E-04	1.18E-07	4.64E-08
4796	486863.09, 3861377.25	8.17E-04	1.29E-07	5.06E-08	8.33E-04	1.31E-07	5.16E-08	8.33E-04	1.31E-07	5.15E-08
4797	487363.09, 3861377.25	9.18E-04	1.45E-07	5.68E-08	9.37E-04	1.48E-07	5.80E-08	9.36E-04	1.47E-07	5.79E-08
4798	487863.09, 3861377.25	1.04E-03	1.64E-07	6.42E-08	1.06E-03	1.67E-07	6.56E-08	1.06E-03	1.67E-07	6.55E-08
4799	488363.09, 3861377.25	1.16E-03	1.83E-07	7.20E-08	1.19E-03	1.87E-07	7.35E-08	1.19E-03	1.87E-07	7.34E-08
4800	488863.09, 3861377.25	1.33E-03	2.09E-07	8.21E-08	1.35E-03	2.13E-07	8.38E-08	1.35E-03	2.13E-07	8.37E-08
4801	489363.09, 3861377.25	1.47E-03	2.31E-07	9.09E-08	1.50E-03	2.36E-07	9.27E-08	1.50E-03	2.36E-07	9.26E-08
4802	489863.09, 3861377.25	1.64E-03	2.58E-07	1.01E-07	1.67E-03	2.63E-07	1.03E-07	1.67E-03	2.63E-07	1.03E-07
4803	490363.09, 3861377.25	1.77E-03	2.79E-07	1.10E-07	1.81E-03	2.85E-07	1.12E-07	1.80E-03	2.84E-07	1.12E-07
4804	490863.09, 3861377.25	1.94E-03	3.06E-07	1.20E-07	1.98E-03	3.12E-07	1.23E-07	1.98E-03	3.12E-07	1.22E-07
4805	491363.09, 3861377.25	2.04E-03	3.21E-07	1.26E-07	2.08E-03	3.28E-07	1.29E-07	2.08E-03	3.28E-07	1.29E-07
4806	491863.09, 3861377.25	2.01E-03	3.17E-07	1.24E-07	2.05E-03	3.23E-07	1.27E-07	2.05E-03	3.23E-07	1.27E-07
4807	492363.09, 3861377.25	2.03E-03	3.20E-07	1.26E-07	2.07E-03	3.26E-07	1.28E-07	2.07E-03	3.26E-07	1.28E-07
4808	492863.09, 3861377.25	1.96E-03	3.09E-07	1.21E-07	2.00E-03	3.15E-07	1.24E-07	2.00E-03	3.15E-07	1.24E-07
4809	493363.09, 3861377.25	2.02E-03	3.18E-07	1.25E-07	2.06E-03	3.25E-07	1.28E-07	2.06E-03	3.25E-07	1.28E-07
4810	493863.09, 3861377.25	1.97E-03	3.11E-07	1.22E-07	2.01E-03	3.17E-07	1.25E-07	2.01E-03	3.17E-07	1.25E-07
4811	494363.09, 3861377.25	1.84E-03	2.90E-07	1.14E-07	1.88E-03	2.96E-07	1.16E-07	1.88E-03	2.95E-07	1.16E-07
4812	494863.09, 3861377.25	1.72E-03	2.71E-07	1.06E-07	1.75E-03	2.76E-07	1.09E-07	1.75E-03	2.76E-07	1.08E-07
4813	495363.09, 3861377.25	1.60E-03	2.52E-07	9.92E-08	1.64E-03	2.58E-07	1.01E-07	1.63E-03	2.57E-07	1.01E-07
4814	495863.09, 3861377.25	1.49E-03	2.35E-07	9.21E-08	1.52E-03	2.39E-07	9.40E-08	1.52E-03	2.39E-07	9.39E-08
4815	496363.09, 3861377.25	1.41E-03	2.23E-07	8.76E-08	1.44E-03	2.27E-07	8.93E-08	1.44E-03	2.27E-07	8.92E-08
4816	496863.09, 3861377.25	1.35E-03	2.13E-07	8.35E-08	1.38E-03	2.17E-07	8.52E-08	1.38E-03	2.17E-07	8.51E-08
4817	497363.09, 3861377.25	1.27E-03	2.00E-07	7.85E-08	1.29E-03	2.04E-07	8.01E-08	1.29E-03	2.04E-07	8.00E-08
4818	497863.09, 3861377.25	1.19E-03	1.88E-07	7.39E-08	1.22E-03	1.92E-07	7.55E-08	1.22E-03	1.92E-07	7.54E-08
4819	498363.09, 3861377.25	1.13E-03	1.78E-07	7.01E-08	1.16E-03	1.82E-07	7.15E-08	1.15E-03	1.82E-07	7.14E-08
4820	471363.09, 3861877.25	2.43E-04	3.83E-08	1.51E-08	2.48E-04	3.91E-08	1.54E-08	2.48E-04	3.91E-08	1.54E-08
4821	471863.09, 3861877.25	2.49E-04	3.93E-08	1.54E-08	2.54E-04	4.01E-08	1.57E-08	2.54E-04	4.00E-08	1.57E-08
4822	472363.09, 3861877.25	2.55E-04	4.02E-08	1.58E-08	2.61E-04	4.11E-08	1.61E-08	2.60E-04	4.10E-08	1.61E-08
4823	472863.09, 3861877.25	2.62E-04	4.13E-08	1.62E-08	2.68E-04	4.22E-08	1.66E-08	2.67E-04	4.21E-08	1.65E-08
4824	473363.09, 3861877.25	2.69E-04	4.23E-08	1.66E-08	2.74E-04	4.32E-08	1.70E-08	2.74E-04	4.31E-08	1.70E-08
4825	473863.09, 3861877.25	2.75E-04	4.33E-08	1.70E-08	2.81E-04	4.42E-08	1.74E-08	2.80E-04	4.41E-08	1.73E-08
4826	474363.09, 3861877.25	2.81E-04	4.43E-08	1.74E-08	2.87E-04	4.52E-08	1.78E-08	2.87E-04	4.52E-08	1.78E-08
4827	474863.09, 3861877.25	2.87E-04	4.52E-08	1.78E-08	2.93E-04	4.61E-08	1.81E-08	2.93E-04	4.61E-08	1.81E-08
4828	475363.09, 3861877.25	2.92E-04	4.60E-08	1.81E-08	2.98E-04	4.70E-08	1.85E-08	2.98E-04	4.69E-08	1.84E-08
4829	475863.09, 3861877.25	2.97E-04	4.68E-08	1.84E-08	3.03E-04	4.78E-08	1.88E-08	3.03E-04	4.77E-08	1.88E-08
4830	476363.09, 3861877.25	3.01E-04	4.75E-08	1.87E-08	3.08E-04	4.85E-08	1.90E-08	3.07E-04	4.84E-08	1.90E-08
4831	476863.09, 3861877.25	3.03E-04	4.77E-08	1.87E-08	3.09E-04	4.87E-08	1.91E-08	3.09E-04	4.86E-08	1.91E-08
4832	477363.09, 3861877.25	3.02E-04	4.75E-08	1.87E-08	3.08E-04	4.85E-08	1.91E-08	3.08E-04	4.84E-08	1.90E-08
4833	477863.09, 3861877.25	2.61E-04	4.11E-08	1.61E-08	2.66E-04	4.19E-08	1.65E-08	2.66E-04	4.19E-08	1.64E-08
4834	478363.09, 3861877.25	1.59E-04	2.51E-08	9.85E-09	1.62E-04	2.56E-08	1.00E-08	1.62E-04	2.55E-08	1.00E-08
4835	478863.09, 3861877.25	2.27E-04	3.57E-08	1.40E-08	2.31E-04	3.64E-08	1.43E-08	2.31E-04	3.64E-08	1.43E-08
4836	479363.09, 3861877.25	2.10E-04	3.31E-08	1.30E-08	2.14E-04	3.38E-08	1.33E-08	2.14E-04	3.37E-08	1.33E-08
4837	479863.09, 3861877.25	3.32E-04	5.24E-08	2.06E-08	3.39E-04	5.34E-08	2.10E-08	3.39E-04	5.34E-08	2.10E-08
4838	480363.09, 3861877.25	3.59E-04	5.66E-08	2.22E-08	3.67E-04	5.78E-08	2.27E-08	3.66E-04	5.77E-08	2.27E-08
4839	480863.09, 3861877.25	3.70E-04	5.83E-08	2.29E-08	3.77E-04	5.94E-08	2.34E-08	3.77E-04	5.94E-08	2.33E-08
4840	481363.09, 3861877.25	3.81E-04	6.00E-08	2.36E-08	3.88E-04	6.12E-08	2.40E-08	3.88E-04	6.11E-08	2.40E-08
4841	481863.09, 3861877.25	3.94E-04	6.21E-08	2.44E-08	4.02E-04	6.34E-08	2.49E-08	4.02E-04	6.33E-08	2.49E-08
4842	482363.09, 3861877.25	4.10E-04	6.47E-08	2.54E-08	4.19E-04	6.60E-08	2.59E-08	4.18E-04	6.59E-08	2.59E-08
4843	482863.09, 3861877.25	4.31E-04	6.79E-08	2.67E-08	4.40E-04	6.93E-08	2.72E-08	4.39E-04	6.92E-08	2.72E-08
4844	483363.09, 3861877.25	4.56E-04	7.18E-08	2.82E-08	4.65E-04	7.32E-08	2.88E-08	4.64E-04	7.31E-08	2.87E-08
4845	483863.09, 3861877.25	4.84E-04	7.62E-08	2.99E-08	4.93E-04	7.77E-08	3.05E-08	4.93E-04	7.76E-08	3.05E-08
4846	484363.09, 3861877.25	5.12E-04	8.06E-08	3.17E-08	5.22E-04	8.23E-08	3.23E-08	5.22E-04	8.22E-08	3.23E-08
4847	484863.09, 3861877.25	5.44E-04	8.56E-08	3.36E-08	5.55E-04	8.74E-08	3.43E-08	5.54E-04	8.73E-08	3.43E-08

4848	485363.09, 3861877.25	5.78E-04	9.10E-08	3.58E-08	5.90E-04	9.29E-08	3.65E-08	5.89E-04	9.28E-08	3.64E-08
4849	485863.09, 3861877.25	6.12E-04	9.64E-08	3.79E-08	6.24E-04	9.83E-08	3.86E-08	6.23E-04	9.82E-08	3.86E-08
4850	486363.09, 3861877.25	6.61E-04	1.04E-07	4.09E-08	6.75E-04	1.06E-07	4.18E-08	6.74E-04	1.06E-07	4.17E-08
4851	486863.09, 3861877.25	7.23E-04	1.14E-07	4.48E-08	7.38E-04	1.16E-07	4.57E-08	7.37E-04	1.16E-07	4.56E-08
4852	487363.09, 3861877.25	7.98E-04	1.26E-07	4.94E-08	8.15E-04	1.28E-07	5.04E-08	8.14E-04	1.28E-07	5.04E-08
4853	487863.09, 3861877.25	8.74E-04	1.38E-07	5.41E-08	8.92E-04	1.40E-07	5.52E-08	8.91E-04	1.40E-07	5.51E-08
4854	488363.09, 3861877.25	9.54E-04	1.50E-07	5.90E-08	9.73E-04	1.53E-07	6.02E-08	9.72E-04	1.53E-07	6.01E-08
4855	488863.09, 3861877.25	1.03E-03	1.63E-07	6.39E-08	1.05E-03	1.66E-07	6.52E-08	1.05E-03	1.66E-07	6.52E-08
4856	489363.09, 3861877.25	1.09E-03	1.72E-07	6.75E-08	1.11E-03	1.75E-07	6.89E-08	1.11E-03	1.75E-07	6.88E-08
4857	489863.09, 3861877.25	1.17E-03	1.84E-07	7.22E-08	1.19E-03	1.88E-07	7.37E-08	1.19E-03	1.87E-07	7.36E-08
4858	490363.09, 3861877.25	1.22E-03	1.92E-07	7.56E-08	1.25E-03	1.96E-07	7.71E-08	1.24E-03	1.96E-07	7.70E-08
4859	490863.09, 3861877.25	1.27E-03	1.99E-07	7.83E-08	1.29E-03	2.03E-07	7.99E-08	1.29E-03	2.03E-07	7.98E-08
4860	491363.09, 3861877.25	1.28E-03	2.01E-07	7.90E-08	1.30E-03	2.05E-07	8.06E-08	1.30E-03	2.05E-07	8.06E-08
4861	491863.09, 3861877.25	1.28E-03	2.01E-07	7.91E-08	1.30E-03	2.05E-07	8.07E-08	1.30E-03	2.05E-07	8.06E-08
4862	492363.09, 3861877.25	1.26E-03	1.99E-07	7.83E-08	1.29E-03	2.03E-07	7.99E-08	1.29E-03	2.03E-07	7.98E-08
4863	492863.09, 3861877.25	1.27E-03	2.00E-07	7.86E-08	1.30E-03	2.04E-07	8.02E-08	1.30E-03	2.04E-07	8.01E-08
4864	493363.09, 3861877.25	1.23E-03	1.94E-07	7.61E-08	1.26E-03	1.98E-07	7.77E-08	1.25E-03	1.97E-07	7.76E-08
4865	493863.09, 3861877.25	1.21E-03	1.91E-07	7.49E-08	1.23E-03	1.94E-07	7.64E-08	1.23E-03	1.94E-07	7.63E-08
4866	494363.09, 3861877.25	1.25E-03	1.98E-07	7.76E-08	1.28E-03	2.02E-07	7.92E-08	1.28E-03	2.01E-07	7.91E-08
4867	494863.09, 3861877.25	1.24E-03	1.95E-07	7.68E-08	1.27E-03	1.99E-07	7.83E-08	1.26E-03	1.99E-07	7.82E-08
4868	495363.09, 3861877.25	1.18E-03	1.86E-07	7.31E-08	1.21E-03	1.90E-07	7.46E-08	1.20E-03	1.90E-07	7.45E-08
4869	495863.09, 3861877.25	1.12E-03	1.77E-07	6.95E-08	1.15E-03	1.81E-07	7.09E-08	1.14E-03	1.80E-07	7.09E-08
4870	496363.09, 3861877.25	1.08E-03	1.70E-07	6.67E-08	1.10E-03	1.73E-07	6.80E-08	1.10E-03	1.73E-07	6.80E-08
4871	496863.09, 3861877.25	1.08E-03	1.70E-07	6.66E-08	1.10E-03	1.73E-07	6.80E-08	1.10E-03	1.73E-07	6.79E-08
4872	497363.09, 3861877.25	1.01E-03	1.60E-07	6.27E-08	1.03E-03	1.63E-07	6.40E-08	1.03E-03	1.63E-07	6.39E-08
4873	497863.09, 3861877.25	9.63E-04	1.52E-07	5.96E-08	9.83E-04	1.55E-07	6.08E-08	9.81E-04	1.55E-07	6.07E-08
4874	498363.09, 3861877.25	9.24E-04	1.46E-07	5.72E-08	9.43E-04	1.49E-07	5.84E-08	9.42E-04	1.48E-07	5.83E-08
4875	471363.09, 3862377.25	2.33E-04	3.67E-08	1.44E-08	2.38E-04	3.74E-08	1.47E-08	2.37E-04	3.74E-08	1.47E-08
4876	471863.09, 3862377.25	2.38E-04	3.75E-08	1.47E-08	2.43E-04	3.83E-08	1.50E-08	2.43E-04	3.82E-08	1.50E-08
4877	472363.09, 3862377.25	2.44E-04	3.84E-08	1.51E-08	2.49E-04	3.92E-08	1.54E-08	2.49E-04	3.92E-08	1.54E-08
4878	472863.09, 3862377.25	2.50E-04	3.94E-08	1.55E-08	2.55E-04	4.02E-08	1.58E-08	2.55E-04	4.01E-08	1.58E-08
4879	473363.09, 3862377.25	2.56E-04	4.03E-08	1.58E-08	2.61E-04	4.12E-08	1.62E-08	2.61E-04	4.11E-08	1.62E-08
4880	473863.09, 3862377.25	2.62E-04	4.13E-08	1.62E-08	2.68E-04	4.22E-08	1.66E-08	2.67E-04	4.21E-08	1.65E-08
4881	474363.09, 3862377.25	2.68E-04	4.22E-08	1.66E-08	2.74E-04	4.31E-08	1.69E-08	2.73E-04	4.31E-08	1.69E-08
4882	474863.09, 3862377.25	2.72E-04	4.28E-08	1.68E-08	2.78E-04	4.37E-08	1.72E-08	2.77E-04	4.37E-08	1.72E-08
4883	475363.09, 3862377.25	2.77E-04	4.36E-08	1.71E-08	2.82E-04	4.45E-08	1.75E-08	2.82E-04	4.44E-08	1.75E-08
4884	475863.09, 3862377.25	2.81E-04	4.43E-08	1.74E-08	2.87E-04	4.52E-08	1.78E-08	2.87E-04	4.51E-08	1.77E-08
4885	476363.09, 3862377.25	2.86E-04	4.50E-08	1.77E-08	2.92E-04	4.59E-08	1.81E-08	2.91E-04	4.59E-08	1.80E-08
4886	476863.09, 3862377.25	2.91E-04	4.59E-08	1.80E-08	2.97E-04	4.68E-08	1.84E-08	2.97E-04	4.67E-08	1.84E-08
4887	477363.09, 3862377.25	2.93E-04	4.61E-08	1.81E-08	2.99E-04	4.70E-08	1.85E-08	2.98E-04	4.70E-08	1.85E-08
4888	477863.09, 3862377.25	2.67E-04	4.20E-08	1.65E-08	2.72E-04	4.29E-08	1.68E-08	2.72E-04	4.28E-08	1.68E-08
4889	478363.09, 3862377.25	2.31E-04	3.64E-08	1.43E-08	2.36E-04	3.72E-08	1.46E-08	2.36E-04	3.71E-08	1.46E-08
4890	478863.09, 3862377.25	2.37E-04	3.74E-08	1.47E-08	2.42E-04	3.82E-08	1.50E-08	2.42E-04	3.81E-08	1.50E-08
4891	479363.09, 3862377.25	2.63E-04	4.14E-08	1.63E-08	2.68E-04	4.23E-08	1.66E-08	2.68E-04	4.22E-08	1.66E-08
4892	479863.09, 3862377.25	3.25E-04	5.12E-08	2.01E-08	3.32E-04	5.22E-08	2.05E-08	3.31E-04	5.22E-08	2.05E-08
4893	480363.09, 3862377.25	3.44E-04	5.42E-08	2.13E-08	3.51E-04	5.53E-08	2.17E-08	3.50E-04	5.52E-08	2.17E-08
4894	480863.09, 3862377.25	3.53E-04	5.56E-08	2.18E-08	3.60E-04	5.67E-08	2.23E-08	3.60E-04	5.67E-08	2.23E-08
4895	481363.09, 3862377.25	3.65E-04	5.75E-08	2.26E-08	3.73E-04	5.87E-08	2.31E-08	3.72E-04	5.86E-08	2.30E-08
4896	481863.09, 3862377.25	3.80E-04	5.98E-08	2.35E-08	3.88E-04	6.11E-08	2.40E-08	3.87E-04	6.10E-08	2.40E-08
4897	482363.09, 3862377.25	3.96E-04	6.24E-08	2.45E-08	4.04E-04	6.37E-08	2.50E-08	4.04E-04	6.36E-08	2.50E-08
4898	482863.09, 3862377.25	4.13E-04	6.50E-08	2.55E-08	4.21E-04	6.63E-08	2.61E-08	4.20E-04	6.62E-08	2.60E-08
4899	483363.09, 3862377.25	4.30E-04	6.78E-08	2.66E-08	4.39E-04	6.92E-08	2.72E-08	4.38E-04	6.91E-08	2.71E-08
4900	483863.09, 3862377.25	4.51E-04	7.10E-08	2.79E-08	4.60E-04	7.25E-08	2.85E-08	4.59E-04	7.24E-08	2.84E-08
4901	484363.09, 3862377.25	4.76E-04	7.50E-08	2.95E-08	4.86E-04	7.65E-08	3.01E-08	4.85E-04	7.64E-08	3.00E-08
4902	484863.09, 3862377.25	5.01E-04	7.89E-08	3.10E-08	5.11E-04	8.05E-08	3.16E-08	5.11E-04	8.04E-08	3.16E-08
4903	485363.09, 3862377.25	5.25E-04	8.27E-08	3.25E-08	5.36E-04	8.44E-08	3.32E-08	5.35E-04	8.43E-08	3.31E-08
4904	485863.09, 3862377.25	5.56E-04	8.76E-08	3.44E-08	5.67E-04	8.94E-08	3.51E-08	5.67E-04	8.93E-08	3.51E-08
4905	486363.09, 3862377.25	5.91E-04	9.31E-08	3.66E-08	6.03E-04	9.50E-08	3.73E-08	6.02E-04	9.49E-08	3.73E-08
4906	486863.09, 3862377.25	6.35E-04	1.00E-07	3.93E-08	6.48E-04	1.02E-07	4.01E-08	6.48E-04	1.02E-07	4.01E-08
4907	487363.09, 3862377.25	6.86E-04	1.08E-07	4.25E-08	7.00E-04	1.10E-07	4.33E-08	6.99E-04	1.10E-07	4.33E-08
4908	487863.09, 3862377.25	7.36E-04	1.16E-07	4.56E-08	7.51E-04	1.18E-07	4.65E-08	7.50E-04	1.18E-07	4.64E-08
4909	488363.09, 3862377.25	7.83E-04	1.23E-07	4.85E-08	7.99E-04	1.26E-07	4.94E-08	7.98E-04	1.26E-07	4.94E-08
4910	488863.09, 3862377.25	8.31E-04	1.31E-07	5.14E-08	8.48E-04	1.34E-07	5.25E-08	8.47E-04	1.33E-07	5.24E-08

4911	489363.09, 3862377.25	8.77E-04	1.38E-07	5.43E-08	8.95E-04	1.41E-07	5.54E-08	8.94E-04	1.41E-07	5.53E-08
4912	489863.09, 3862377.25	9.21E-04	1.45E-07	5.70E-08	9.40E-04	1.48E-07	5.82E-08	9.39E-04	1.48E-07	5.81E-08
4913	490363.09, 3862377.25	9.54E-04	1.50E-07	5.90E-08	9.74E-04	1.53E-07	6.03E-08	9.72E-04	1.53E-07	6.02E-08
4914	490863.09, 3862377.25	9.53E-04	1.50E-07	5.90E-08	9.72E-04	1.53E-07	6.02E-08	9.71E-04	1.53E-07	6.01E-08
4915	491363.09, 3862377.25	9.43E-04	1.49E-07	5.84E-08	9.62E-04	1.52E-07	5.95E-08	9.61E-04	1.51E-07	5.95E-08
4916	491863.09, 3862377.25	9.23E-04	1.45E-07	5.71E-08	9.42E-04	1.48E-07	5.83E-08	9.41E-04	1.48E-07	5.82E-08
4917	492363.09, 3862377.25	9.32E-04	1.47E-07	5.77E-08	9.51E-04	1.50E-07	5.89E-08	9.50E-04	1.50E-07	5.88E-08
4918	492863.09, 3862377.25	9.46E-04	1.49E-07	5.85E-08	9.65E-04	1.52E-07	5.97E-08	9.64E-04	1.52E-07	5.97E-08
4919	493363.09, 3862377.25	9.39E-04	1.48E-07	5.81E-08	9.58E-04	1.51E-07	5.93E-08	9.57E-04	1.51E-07	5.92E-08
4920	493863.09, 3862377.25	9.07E-04	1.43E-07	5.61E-08	9.25E-04	1.46E-07	5.73E-08	9.24E-04	1.46E-07	5.72E-08
4921	494363.09, 3862377.25	8.71E-04	1.37E-07	5.39E-08	8.89E-04	1.40E-07	5.50E-08	8.87E-04	1.40E-07	5.49E-08
4922	494863.09, 3862377.25	8.90E-04	1.40E-07	5.51E-08	9.08E-04	1.43E-07	5.62E-08	9.07E-04	1.43E-07	5.62E-08
4923	495363.09, 3862377.25	9.04E-04	1.42E-07	5.60E-08	9.23E-04	1.45E-07	5.71E-08	9.22E-04	1.45E-07	5.70E-08
4924	495863.09, 3862377.25	8.87E-04	1.40E-07	5.49E-08	9.05E-04	1.43E-07	5.60E-08	9.04E-04	1.42E-07	5.59E-08
4925	496363.09, 3862377.25	8.51E-04	1.34E-07	5.27E-08	8.69E-04	1.37E-07	5.38E-08	8.68E-04	1.37E-07	5.37E-08
4926	496863.09, 3862377.25	8.31E-04	1.31E-07	5.14E-08	8.48E-04	1.34E-07	5.25E-08	8.47E-04	1.33E-07	5.24E-08
4927	497363.09, 3862377.25	7.96E-04	1.25E-07	4.93E-08	8.12E-04	1.28E-07	5.03E-08	8.11E-04	1.28E-07	5.02E-08
4928	497863.09, 3862377.25	7.69E-04	1.21E-07	4.76E-08	7.85E-04	1.24E-07	4.86E-08	7.84E-04	1.23E-07	4.85E-08
4929	498363.09, 3862377.25	7.42E-04	1.17E-07	4.59E-08	7.57E-04	1.19E-07	4.68E-08	7.56E-04	1.19E-07	4.68E-08
4930	471363.09, 3862877.25	2.22E-04	3.50E-08	1.38E-08	2.27E-04	3.57E-08	1.40E-08	2.26E-04	3.57E-08	1.40E-08
4931	471863.09, 3862877.25	2.27E-04	3.57E-08	1.40E-08	2.32E-04	3.65E-08	1.43E-08	2.31E-04	3.64E-08	1.43E-08
4932	472363.09, 3862877.25	2.32E-04	3.66E-08	1.44E-08	2.37E-04	3.73E-08	1.47E-08	2.37E-04	3.73E-08	1.46E-08
4933	472863.09, 3862877.25	2.38E-04	3.75E-08	1.47E-08	2.43E-04	3.82E-08	1.50E-08	2.42E-04	3.82E-08	1.50E-08
4934	473363.09, 3862877.25	2.44E-04	3.84E-08	1.51E-08	2.49E-04	3.92E-08	1.54E-08	2.49E-04	3.92E-08	1.54E-08
4935	473863.09, 3862877.25	2.50E-04	3.93E-08	1.54E-08	2.55E-04	4.01E-08	1.58E-08	2.54E-04	4.01E-08	1.57E-08
4936	474363.09, 3862877.25	2.55E-04	4.02E-08	1.58E-08	2.60E-04	4.10E-08	1.61E-08	2.60E-04	4.09E-08	1.61E-08
4937	474863.09, 3862877.25	2.59E-04	4.08E-08	1.60E-08	2.64E-04	4.16E-08	1.64E-08	2.64E-04	4.16E-08	1.63E-08
4938	475363.09, 3862877.25	2.63E-04	4.15E-08	1.63E-08	2.69E-04	4.23E-08	1.66E-08	2.68E-04	4.23E-08	1.66E-08
4939	475863.09, 3862877.25	2.68E-04	4.22E-08	1.66E-08	2.73E-04	4.31E-08	1.69E-08	2.73E-04	4.30E-08	1.69E-08
4940	476363.09, 3862877.25	2.73E-04	4.30E-08	1.69E-08	2.78E-04	4.39E-08	1.72E-08	2.78E-04	4.38E-08	1.72E-08
4941	476863.09, 3862877.25	2.78E-04	4.39E-08	1.72E-08	2.84E-04	4.48E-08	1.76E-08	2.84E-04	4.47E-08	1.76E-08
4942	477363.09, 3862877.25	2.83E-04	4.46E-08	1.75E-08	2.89E-04	4.55E-08	1.79E-08	2.88E-04	4.54E-08	1.78E-08
4943	477863.09, 3862877.25	2.78E-04	4.39E-08	1.72E-08	2.84E-04	4.48E-08	1.76E-08	2.84E-04	4.47E-08	1.76E-08
4944	478363.09, 3862877.25	2.48E-04	3.91E-08	1.54E-08	2.53E-04	3.99E-08	1.57E-08	2.53E-04	3.99E-08	1.57E-08
4945	478863.09, 3862877.25	2.53E-04	3.99E-08	1.57E-08	2.59E-04	4.07E-08	1.60E-08	2.58E-04	4.07E-08	1.60E-08
4946	479363.09, 3862877.25	2.63E-04	4.15E-08	1.63E-08	2.69E-04	4.23E-08	1.66E-08	2.68E-04	4.23E-08	1.66E-08
4947	479863.09, 3862877.25	3.20E-04	5.04E-08	1.98E-08	3.27E-04	5.14E-08	2.02E-08	3.26E-04	5.14E-08	2.02E-08
4948	480363.09, 3862877.25	3.31E-04	5.21E-08	2.05E-08	3.38E-04	5.32E-08	2.09E-08	3.37E-04	5.31E-08	2.09E-08
4949	480863.09, 3862877.25	3.41E-04	5.38E-08	2.11E-08	3.48E-04	5.49E-08	2.15E-08	3.48E-04	5.48E-08	2.15E-08
4950	481363.09, 3862877.25	3.52E-04	5.55E-08	2.18E-08	3.60E-04	5.67E-08	2.23E-08	3.59E-04	5.66E-08	2.22E-08
4951	481863.09, 3862877.25	3.65E-04	5.75E-08	2.26E-08	3.72E-04	5.86E-08	2.30E-08	3.72E-04	5.86E-08	2.30E-08
4952	482363.09, 3862877.25	3.76E-04	5.92E-08	2.33E-08	3.84E-04	6.04E-08	2.37E-08	3.83E-04	6.04E-08	2.37E-08
4953	482863.09, 3862877.25	3.88E-04	6.12E-08	2.40E-08	3.96E-04	6.24E-08	2.45E-08	3.96E-04	6.24E-08	2.45E-08
4954	483363.09, 3862877.25	4.03E-04	6.35E-08	2.49E-08	4.11E-04	6.48E-08	2.55E-08	4.11E-04	6.47E-08	2.54E-08
4955	483863.09, 3862877.25	4.20E-04	6.62E-08	2.60E-08	4.29E-04	6.75E-08	2.65E-08	4.28E-04	6.75E-08	2.65E-08
4956	484363.09, 3862877.25	4.39E-04	6.92E-08	2.72E-08	4.48E-04	7.06E-08	2.77E-08	4.48E-04	7.05E-08	2.77E-08
4957	484863.09, 3862877.25	4.56E-04	7.18E-08	2.82E-08	4.65E-04	7.32E-08	2.88E-08	4.64E-04	7.31E-08	2.87E-08
4958	485363.09, 3862877.25	4.76E-04	7.49E-08	2.94E-08	4.85E-04	7.65E-08	3.00E-08	4.85E-04	7.64E-08	3.00E-08
4959	485863.09, 3862877.25	4.99E-04	7.86E-08	3.09E-08	5.09E-04	8.02E-08	3.15E-08	5.08E-04	8.01E-08	3.15E-08
4960	486363.09, 3862877.25	5.29E-04	8.33E-08	3.27E-08	5.40E-04	8.50E-08	3.34E-08	5.39E-04	8.49E-08	3.34E-08
4961	486863.09, 3862877.25	5.59E-04	8.80E-08	3.46E-08	5.70E-04	8.98E-08	3.53E-08	5.69E-04	8.97E-08	3.52E-08
4962	487363.09, 3862877.25	5.90E-04	9.29E-08	3.65E-08	6.02E-04	9.48E-08	3.72E-08	6.01E-04	9.47E-08	3.72E-08
4963	487863.09, 3862877.25	6.24E-04	9.82E-08	3.86E-08	6.36E-04	1.00E-07	3.94E-08	6.35E-04	1.00E-07	3.93E-08
4964	488363.09, 3862877.25	6.62E-04	1.04E-07	4.10E-08	6.76E-04	1.06E-07	4.18E-08	6.75E-04	1.06E-07	4.18E-08
4965	488863.09, 3862877.25	6.97E-04	1.10E-07	4.31E-08	7.11E-04	1.12E-07	4.40E-08	7.11E-04	1.12E-07	4.40E-08
4966	489363.09, 3862877.25	7.23E-04	1.14E-07	4.48E-08	7.38E-04	1.16E-07	4.57E-08	7.37E-04	1.16E-07	4.56E-08
4967	489863.09, 3862877.25	7.46E-04	1.18E-07	4.62E-08	7.61E-04	1.20E-07	4.71E-08	7.60E-04	1.20E-07	4.71E-08
4968	490363.09, 3862877.25	7.56E-04	1.19E-07	4.68E-08	7.72E-04	1.22E-07	4.77E-08	7.71E-04	1.21E-07	4.77E-08
4969	490863.09, 3862877.25	7.50E-04	1.18E-07	4.64E-08	7.66E-04	1.21E-07	4.74E-08	7.65E-04	1.20E-07	4.73E-08
4970	491363.09, 3862877.25	7.50E-04	1.18E-07	4.64E-08	7.65E-04	1.21E-07	4.73E-08	7.64E-04	1.20E-07	4.73E-08
4971	491863.09, 3862877.25	7.29E-04	1.15E-07	4.51E-08	7.44E-04	1.17E-07	4.60E-08	7.43E-04	1.17E-07	4.60E-08
4972	492363.09, 3862877.25	7.35E-04	1.16E-07	4.55E-08	7.50E-04	1.18E-07	4.64E-08	7.49E-04	1.18E-07	4.63E-08
4973	492863.09, 3862877.25	7.33E-04	1.15E-07	4.53E-08	7.47E-04	1.18E-07	4.63E-08	7.47E-04	1.18E-07	4.62E-08

4974	493363.09, 3862877.25	7.48E-04	1.18E-07	4.63E-08	7.63E-04	1.20E-07	4.72E-08	7.62E-04	1.20E-07	4.72E-08
4975	493863.09, 3862877.25	7.45E-04	1.17E-07	4.61E-08	7.61E-04	1.20E-07	4.71E-08	7.60E-04	1.20E-07	4.70E-08
4976	494363.09, 3862877.25	7.22E-04	1.14E-07	4.47E-08	7.37E-04	1.16E-07	4.56E-08	7.36E-04	1.16E-07	4.55E-08
4977	494863.09, 3862877.25	6.83E-04	1.08E-07	4.23E-08	6.97E-04	1.10E-07	4.31E-08	6.96E-04	1.10E-07	4.31E-08
4978	495363.09, 3862877.25	6.75E-04	1.06E-07	4.18E-08	6.89E-04	1.09E-07	4.27E-08	6.88E-04	1.08E-07	4.26E-08
4979	495863.09, 3862877.25	6.95E-04	1.09E-07	4.30E-08	7.09E-04	1.12E-07	4.39E-08	7.08E-04	1.12E-07	4.38E-08
4980	496363.09, 3862877.25	7.05E-04	1.11E-07	4.36E-08	7.20E-04	1.13E-07	4.45E-08	7.19E-04	1.13E-07	4.45E-08
4981	496863.09, 3862877.25	6.91E-04	1.09E-07	4.28E-08	7.05E-04	1.11E-07	4.37E-08	7.05E-04	1.11E-07	4.36E-08
4982	497363.09, 3862877.25	6.66E-04	1.05E-07	4.12E-08	6.79E-04	1.07E-07	4.20E-08	6.78E-04	1.07E-07	4.20E-08
4983	497863.09, 3862877.25	6.44E-04	1.01E-07	3.98E-08	6.57E-04	1.03E-07	4.07E-08	6.56E-04	1.03E-07	4.06E-08
4984	498363.09, 3862877.25	6.28E-04	9.90E-08	3.89E-08	6.41E-04	1.01E-07	3.97E-08	6.40E-04	1.01E-07	3.96E-08
4985	471363.09, 3863377.25	2.12E-04	3.34E-08	1.31E-08	2.16E-04	3.41E-08	1.34E-08	2.16E-04	3.41E-08	1.34E-08
4986	471863.09, 3863377.25	2.17E-04	3.42E-08	1.34E-08	2.21E-04	3.49E-08	1.37E-08	2.21E-04	3.48E-08	1.37E-08
4987	472363.09, 3863377.25	2.22E-04	3.50E-08	1.38E-08	2.27E-04	3.57E-08	1.40E-08	2.26E-04	3.57E-08	1.40E-08
4988	472863.09, 3863377.25	2.28E-04	3.59E-08	1.41E-08	2.32E-04	3.66E-08	1.44E-08	2.32E-04	3.66E-08	1.44E-08
4989	473363.09, 3863377.25	2.33E-04	3.68E-08	1.44E-08	2.38E-04	3.75E-08	1.47E-08	2.38E-04	3.75E-08	1.47E-08
4990	473863.09, 3863377.25	2.39E-04	3.76E-08	1.48E-08	2.44E-04	3.84E-08	1.51E-08	2.44E-04	3.84E-08	1.51E-08
4991	474363.09, 3863377.25	2.44E-04	3.84E-08	1.51E-08	2.49E-04	3.92E-08	1.54E-08	2.49E-04	3.92E-08	1.54E-08
4992	474863.09, 3863377.25	2.48E-04	3.91E-08	1.54E-08	2.53E-04	3.99E-08	1.57E-08	2.53E-04	3.99E-08	1.57E-08
4993	475363.09, 3863377.25	2.53E-04	3.98E-08	1.56E-08	2.58E-04	4.06E-08	1.60E-08	2.58E-04	4.06E-08	1.59E-08
4994	475863.09, 3863377.25	2.58E-04	4.06E-08	1.60E-08	2.63E-04	4.14E-08	1.63E-08	2.63E-04	4.14E-08	1.63E-08
4995	476363.09, 3863377.25	2.63E-04	4.15E-08	1.63E-08	2.69E-04	4.23E-08	1.66E-08	2.68E-04	4.22E-08	1.66E-08
4996	476863.09, 3863377.25	2.68E-04	4.22E-08	1.66E-08	2.74E-04	4.31E-08	1.69E-08	2.73E-04	4.31E-08	1.69E-08
4997	477363.09, 3863377.25	2.73E-04	4.31E-08	1.69E-08	2.79E-04	4.40E-08	1.73E-08	2.79E-04	4.39E-08	1.72E-08
4998	477863.09, 3863377.25	2.76E-04	4.35E-08	1.71E-08	2.82E-04	4.44E-08	1.74E-08	2.81E-04	4.43E-08	1.74E-08
4999	478363.09, 3863377.25	2.68E-04	4.21E-08	1.66E-08	2.73E-04	4.30E-08	1.69E-08	2.73E-04	4.30E-08	1.69E-08
5000	478863.09, 3863377.25	2.78E-04	4.37E-08	1.72E-08	2.83E-04	4.46E-08	1.75E-08	2.83E-04	4.46E-08	1.75E-08
5001	479363.09, 3863377.25	2.98E-04	4.69E-08	1.84E-08	3.04E-04	4.78E-08	1.88E-08	3.03E-04	4.78E-08	1.88E-08
5002	479863.09, 3863377.25	3.11E-04	4.90E-08	1.92E-08	3.17E-04	5.00E-08	1.96E-08	3.17E-04	4.99E-08	1.96E-08
5003	480363.09, 3863377.25	3.19E-04	5.03E-08	1.97E-08	3.26E-04	5.13E-08	2.02E-08	3.25E-04	5.12E-08	2.01E-08
5004	480863.09, 3863377.25	3.28E-04	5.17E-08	2.03E-08	3.35E-04	5.27E-08	2.07E-08	3.34E-04	5.27E-08	2.07E-08
5005	481363.09, 3863377.25	3.36E-04	5.29E-08	2.08E-08	3.43E-04	5.40E-08	2.12E-08	3.42E-04	5.39E-08	2.12E-08
5006	481863.09, 3863377.25	3.44E-04	5.42E-08	2.13E-08	3.51E-04	5.53E-08	2.17E-08	3.50E-04	5.52E-08	2.17E-08
5007	482363.09, 3863377.25	3.52E-04	5.55E-08	2.18E-08	3.60E-04	5.67E-08	2.23E-08	3.59E-04	5.66E-08	2.22E-08
5008	482863.09, 3863377.25	3.62E-04	5.70E-08	2.24E-08	3.69E-04	5.81E-08	2.28E-08	3.68E-04	5.81E-08	2.28E-08
5009	483363.09, 3863377.25	3.73E-04	5.88E-08	2.31E-08	3.81E-04	6.00E-08	2.36E-08	3.80E-04	5.99E-08	2.35E-08
5010	483863.09, 3863377.25	3.86E-04	6.08E-08	2.39E-08	3.94E-04	6.21E-08	2.44E-08	3.93E-04	6.20E-08	2.43E-08
5011	484363.09, 3863377.25	3.99E-04	6.29E-08	2.47E-08	4.07E-04	6.41E-08	2.52E-08	4.07E-04	6.41E-08	2.52E-08
5012	484863.09, 3863377.25	4.15E-04	6.53E-08	2.57E-08	4.23E-04	6.66E-08	2.62E-08	4.23E-04	6.66E-08	2.62E-08
5013	485363.09, 3863377.25	4.31E-04	6.79E-08	2.67E-08	4.40E-04	6.93E-08	2.72E-08	4.39E-04	6.92E-08	2.72E-08
5014	485863.09, 3863377.25	4.49E-04	7.07E-08	2.78E-08	4.58E-04	7.22E-08	2.84E-08	4.58E-04	7.21E-08	2.83E-08
5015	486363.09, 3863377.25	4.70E-04	7.40E-08	2.91E-08	4.79E-04	7.55E-08	2.97E-08	4.79E-04	7.54E-08	2.96E-08
5016	486863.09, 3863377.25	4.92E-04	7.76E-08	3.05E-08	5.02E-04	7.92E-08	3.11E-08	5.02E-04	7.91E-08	3.11E-08
5017	487363.09, 3863377.25	5.16E-04	8.13E-08	3.19E-08	5.27E-04	8.30E-08	3.26E-08	5.26E-04	8.29E-08	3.26E-08
5018	487863.09, 3863377.25	5.45E-04	8.58E-08	3.37E-08	5.56E-04	8.76E-08	3.44E-08	5.55E-04	8.75E-08	3.44E-08
5019	488363.09, 3863377.25	5.72E-04	9.01E-08	3.54E-08	5.84E-04	9.19E-08	3.61E-08	5.83E-04	9.18E-08	3.61E-08
5020	488863.09, 3863377.25	5.96E-04	9.40E-08	3.69E-08	6.09E-04	9.59E-08	3.77E-08	6.08E-04	9.58E-08	3.76E-08
5021	489363.09, 3863377.25	6.11E-04	9.62E-08	3.78E-08	6.23E-04	9.81E-08	3.86E-08	6.22E-04	9.80E-08	3.85E-08
5022	489863.09, 3863377.25	6.17E-04	9.72E-08	3.82E-08	6.30E-04	9.92E-08	3.90E-08	6.29E-04	9.91E-08	3.89E-08
5023	490363.09, 3863377.25	6.19E-04	9.76E-08	3.83E-08	6.32E-04	9.96E-08	3.91E-08	6.31E-04	9.94E-08	3.91E-08
5024	490863.09, 3863377.25	6.20E-04	9.76E-08	3.84E-08	6.32E-04	9.96E-08	3.91E-08	6.32E-04	9.95E-08	3.91E-08
5025	491363.09, 3863377.25	6.06E-04	9.54E-08	3.75E-08	6.18E-04	9.74E-08	3.83E-08	6.17E-04	9.73E-08	3.82E-08
5026	491863.09, 3863377.25	5.98E-04	9.43E-08	3.70E-08	6.11E-04	9.62E-08	3.78E-08	6.10E-04	9.61E-08	3.77E-08
5027	492363.09, 3863377.25	6.13E-04	9.65E-08	3.79E-08	6.25E-04	9.85E-08	3.87E-08	6.24E-04	9.84E-08	3.86E-08
5028	492863.09, 3863377.25	6.22E-04	9.79E-08	3.85E-08	6.34E-04	9.99E-08	3.93E-08	6.34E-04	9.98E-08	3.92E-08
5029	493363.09, 3863377.25	6.30E-04	9.92E-08	3.90E-08	6.43E-04	1.01E-07	3.98E-08	6.42E-04	1.01E-07	3.97E-08
5030	493863.09, 3863377.25	6.33E-04	9.97E-08	3.92E-08	6.46E-04	1.02E-07	4.00E-08	6.45E-04	1.02E-07	3.99E-08
5031	494363.09, 3863377.25	6.26E-04	9.86E-08	3.88E-08	6.39E-04	1.01E-07	3.95E-08	6.38E-04	1.01E-07	3.95E-08
5032	494863.09, 3863377.25	6.11E-04	9.62E-08	3.78E-08	6.23E-04	9.82E-08	3.86E-08	6.23E-04	9.81E-08	3.85E-08
5033	495363.09, 3863377.25	5.86E-04	9.23E-08	3.63E-08	5.98E-04	9.42E-08	3.70E-08	5.97E-04	9.41E-08	3.70E-08
5034	495863.09, 3863377.25	5.75E-04	9.05E-08	3.56E-08	5.86E-04	9.24E-08	3.63E-08	5.86E-04	9.23E-08	3.62E-08
5035	496363.09, 3863377.25	5.65E-04	8.91E-08	3.50E-08	5.77E-04	9.09E-08	3.57E-08	5.76E-04	9.08E-08	3.57E-08
5036	496863.09, 3863377.25	5.66E-04	8.92E-08	3.51E-08	5.78E-04	9.10E-08	3.58E-08	5.77E-04	9.09E-08	3.57E-08

5037 497363.09, 3863377.25	5.70E-04	8.98E-08	3.53E-08	5.82E-04	9.17E-08	3.60E-08	5.81E-04	9.15E-08	3.60E-08
5038 497863.09, 3863377.25	5.62E-04	8.85E-08	3.48E-08	5.73E-04	9.03E-08	3.55E-08	5.72E-04	9.02E-08	3.54E-08
5039 498363.09, 3863377.25	5.45E-04	8.59E-08	3.37E-08	5.56E-04	8.76E-08	3.44E-08	5.56E-04	8.75E-08	3.44E-08
5040 471363.09, 3863877.25	2.04E-04	3.21E-08	1.26E-08	2.08E-04	3.28E-08	1.29E-08	2.08E-04	3.27E-08	1.29E-08
5041 471863.09, 3863877.25	2.09E-04	3.29E-08	1.29E-08	2.13E-04	3.35E-08	1.32E-08	2.13E-04	3.35E-08	1.32E-08
5042 472363.09, 3863877.25	2.14E-04	3.37E-08	1.33E-08	2.19E-04	3.44E-08	1.35E-08	2.18E-04	3.44E-08	1.35E-08
5043 472863.09, 3863877.25	2.20E-04	3.46E-08	1.36E-08	2.24E-04	3.53E-08	1.39E-08	2.24E-04	3.53E-08	1.39E-08
5044 473363.09, 3863877.25	2.25E-04	3.55E-08	1.39E-08	2.30E-04	3.62E-08	1.42E-08	2.29E-04	3.61E-08	1.42E-08
5045 473863.09, 3863877.25	2.30E-04	3.63E-08	1.43E-08	2.35E-04	3.70E-08	1.46E-08	2.35E-04	3.70E-08	1.45E-08
5046 474363.09, 3863877.25	2.35E-04	3.70E-08	1.46E-08	2.40E-04	3.78E-08	1.48E-08	2.40E-04	3.78E-08	1.48E-08
5047 474863.09, 3863877.25	2.39E-04	3.77E-08	1.48E-08	2.44E-04	3.85E-08	1.51E-08	2.44E-04	3.84E-08	1.51E-08
5048 475363.09, 3863877.25	2.44E-04	3.84E-08	1.51E-08	2.49E-04	3.92E-08	1.54E-08	2.48E-04	3.91E-08	1.54E-08
5049 475863.09, 3863877.25	2.48E-04	3.91E-08	1.54E-08	2.53E-04	3.99E-08	1.57E-08	2.53E-04	3.98E-08	1.56E-08
5050 476363.09, 3863877.25	2.53E-04	3.98E-08	1.56E-08	2.58E-04	4.06E-08	1.60E-08	2.58E-04	4.06E-08	1.59E-08
5051 476863.09, 3863877.25	2.57E-04	4.05E-08	1.59E-08	2.62E-04	4.14E-08	1.62E-08	2.62E-04	4.13E-08	1.62E-08
5052 477363.09, 3863877.25	2.62E-04	4.13E-08	1.62E-08	2.68E-04	4.22E-08	1.66E-08	2.67E-04	4.21E-08	1.65E-08
5053 477863.09, 3863877.25	2.68E-04	4.21E-08	1.66E-08	2.73E-04	4.30E-08	1.69E-08	2.73E-04	4.30E-08	1.69E-08
5054 478363.09, 3863877.25	2.67E-04	4.20E-08	1.65E-08	2.72E-04	4.29E-08	1.68E-08	2.72E-04	4.28E-08	1.68E-08
5055 478863.09, 3863877.25	2.82E-04	4.44E-08	1.75E-08	2.88E-04	4.53E-08	1.78E-08	2.87E-04	4.53E-08	1.78E-08
5056 479363.09, 3863877.25	2.92E-04	4.60E-08	1.81E-08	2.98E-04	4.69E-08	1.84E-08	2.98E-04	4.69E-08	1.84E-08
5057 479863.09, 3863877.25	2.99E-04	4.71E-08	1.85E-08	3.05E-04	4.81E-08	1.89E-08	3.05E-04	4.80E-08	1.89E-08
5058 480363.09, 3863877.25	3.04E-04	4.80E-08	1.88E-08	3.11E-04	4.89E-08	1.92E-08	3.10E-04	4.89E-08	1.92E-08
5059 480863.09, 3863877.25	3.10E-04	4.88E-08	1.92E-08	3.16E-04	4.98E-08	1.96E-08	3.16E-04	4.98E-08	1.96E-08
5060 481363.09, 3863877.25	3.15E-04	4.97E-08	1.95E-08	3.22E-04	5.07E-08	1.99E-08	3.21E-04	5.06E-08	1.99E-08
5061 481863.09, 3863877.25	3.21E-04	5.06E-08	1.99E-08	3.28E-04	5.16E-08	2.03E-08	3.27E-04	5.16E-08	2.03E-08
5062 482363.09, 3863877.25	3.28E-04	5.17E-08	2.03E-08	3.35E-04	5.27E-08	2.07E-08	3.34E-04	5.27E-08	2.07E-08
5063 482863.09, 3863877.25	3.34E-04	5.27E-08	2.07E-08	3.41E-04	5.38E-08	2.11E-08	3.41E-04	5.37E-08	2.11E-08
5064 483363.09, 3863877.25	3.43E-04	5.40E-08	2.12E-08	3.50E-04	5.51E-08	2.16E-08	3.49E-04	5.50E-08	2.16E-08
5065 483863.09, 3863877.25	3.53E-04	5.57E-08	2.19E-08	3.61E-04	5.68E-08	2.23E-08	3.60E-04	5.67E-08	2.23E-08
5066 484363.09, 3863877.25	3.64E-04	5.74E-08	2.25E-08	3.72E-04	5.85E-08	2.30E-08	3.71E-04	5.85E-08	2.30E-08
5067 484863.09, 3863877.25	3.78E-04	5.95E-08	2.34E-08	3.85E-04	6.07E-08	2.39E-08	3.85E-04	6.07E-08	2.38E-08
5068 485363.09, 3863877.25	3.90E-04	6.15E-08	2.41E-08	3.98E-04	6.27E-08	2.46E-08	3.98E-04	6.26E-08	2.46E-08
5069 485863.09, 3863877.25	4.05E-04	6.38E-08	2.51E-08	4.13E-04	6.51E-08	2.56E-08	4.13E-04	6.51E-08	2.56E-08
5070 486363.09, 3863877.25	4.22E-04	6.65E-08	2.61E-08	4.31E-04	6.78E-08	2.66E-08	4.30E-04	6.78E-08	2.66E-08
5071 486863.09, 3863877.25	4.41E-04	6.95E-08	2.73E-08	4.50E-04	7.10E-08	2.79E-08	4.50E-04	7.09E-08	2.78E-08
5072 487363.09, 3863877.25	4.60E-04	7.25E-08	2.85E-08	4.70E-04	7.40E-08	2.91E-08	4.69E-04	7.39E-08	2.90E-08
5073 487863.09, 3863877.25	4.81E-04	7.58E-08	2.98E-08	4.91E-04	7.74E-08	3.04E-08	4.90E-04	7.73E-08	3.04E-08
5074 488363.09, 3863877.25	5.01E-04	7.90E-08	3.10E-08	5.11E-04	8.06E-08	3.17E-08	5.11E-04	8.05E-08	3.16E-08
5075 488863.09, 3863877.25	5.18E-04	8.17E-08	3.21E-08	5.29E-04	8.33E-08	3.27E-08	5.28E-04	8.32E-08	3.27E-08
5076 489363.09, 3863877.25	5.24E-04	8.26E-08	3.24E-08	5.35E-04	8.43E-08	3.31E-08	5.34E-04	8.42E-08	3.31E-08
5077 489863.09, 3863877.25	5.24E-04	8.26E-08	3.24E-08	5.35E-04	8.43E-08	3.31E-08	5.34E-04	8.42E-08	3.31E-08
5078 490363.09, 3863877.25	5.23E-04	8.24E-08	3.24E-08	5.34E-04	8.41E-08	3.30E-08	5.33E-04	8.40E-08	3.30E-08
5079 490863.09, 3863877.25	5.23E-04	8.23E-08	3.24E-08	5.33E-04	8.40E-08	3.30E-08	5.33E-04	8.39E-08	3.30E-08
5080 491363.09, 3863877.25	5.14E-04	8.10E-08	3.18E-08	5.24E-04	8.26E-08	3.25E-08	5.24E-04	8.25E-08	3.24E-08
5081 491863.09, 3863877.25	5.21E-04	8.20E-08	3.22E-08	5.31E-04	8.37E-08	3.29E-08	5.31E-04	8.36E-08	3.28E-08
5082 492363.09, 3863877.25	5.18E-04	8.16E-08	3.20E-08	5.28E-04	8.32E-08	3.27E-08	5.28E-04	8.31E-08	3.27E-08
5083 492863.09, 3863877.25	4.83E-04	7.61E-08	2.99E-08	4.93E-04	7.77E-08	3.05E-08	4.93E-04	7.76E-08	3.05E-08
5084 493363.09, 3863877.25	4.91E-04	7.74E-08	3.04E-08	5.02E-04	7.90E-08	3.10E-08	5.01E-04	7.89E-08	3.10E-08
5085 493863.09, 3863877.25	5.09E-04	8.02E-08	3.15E-08	5.20E-04	8.19E-08	3.22E-08	5.19E-04	8.18E-08	3.21E-08
5086 494363.09, 3863877.25	5.29E-04	8.34E-08	3.28E-08	5.40E-04	8.51E-08	3.34E-08	5.39E-04	8.50E-08	3.34E-08
5087 494863.09, 3863877.25	5.27E-04	8.30E-08	3.26E-08	5.38E-04	8.47E-08	3.33E-08	5.37E-04	8.46E-08	3.32E-08
5088 495363.09, 3863877.25	5.22E-04	8.22E-08	3.23E-08	5.33E-04	8.39E-08	3.30E-08	5.32E-04	8.38E-08	3.29E-08
5089 495863.09, 3863877.25	4.97E-04	7.82E-08	3.07E-08	5.07E-04	7.98E-08	3.14E-08	5.06E-04	7.97E-08	3.13E-08
5090 496363.09, 3863877.25	4.81E-04	7.58E-08	2.98E-08	4.91E-04	7.74E-08	3.04E-08	4.90E-04	7.73E-08	3.04E-08
5091 496863.09, 3863877.25	4.74E-04	7.47E-08	2.93E-08	4.84E-04	7.62E-08	2.99E-08	4.83E-04	7.61E-08	2.99E-08
5092 497363.09, 3863877.25	4.77E-04	7.52E-08	2.95E-08	4.87E-04	7.67E-08	3.01E-08	4.86E-04	7.66E-08	3.01E-08
5093 497863.09, 3863877.25	4.85E-04	7.64E-08	3.00E-08	4.95E-04	7.80E-08	3.06E-08	4.94E-04	7.79E-08	3.06E-08
5094 498363.09, 3863877.25	4.83E-04	7.60E-08	2.99E-08	4.93E-04	7.76E-08	3.05E-08	4.92E-04	7.75E-08	3.04E-08
5095 471363.09, 3864377.25	1.97E-04	3.11E-08	1.22E-08	2.01E-04	3.17E-08	1.25E-08	2.01E-04	3.17E-08	1.25E-08
5096 471863.09, 3864377.25	2.02E-04	3.19E-08	1.25E-08	2.07E-04	3.25E-08	1.28E-08	2.06E-04	3.25E-08	1.28E-08
5097 472363.09, 3864377.25	2.08E-04	3.27E-08	1.29E-08	2.12E-04	3.34E-08	1.31E-08	2.12E-04	3.34E-08	1.31E-08
5098 472863.09, 3864377.25	2.13E-04	3.36E-08	1.32E-08	2.17E-04	3.42E-08	1.35E-08	2.17E-04	3.42E-08	1.34E-08
5099 473363.09, 3864377.25	2.18E-04	3.43E-08	1.35E-08	2.22E-04	3.50E-08	1.38E-08	2.22E-04	3.50E-08	1.37E-08

5100 473863.09, 3864377.25	2.22E-04	3.50E-08	1.38E-08	2.27E-04	3.58E-08	1.40E-08	2.27E-04	3.57E-08	1.40E-08
5101 474363.09, 3864377.25	2.27E-04	3.57E-08	1.40E-08	2.31E-04	3.64E-08	1.43E-08	2.31E-04	3.64E-08	1.43E-08
5102 474863.09, 3864377.25	2.31E-04	3.63E-08	1.43E-08	2.35E-04	3.71E-08	1.46E-08	2.35E-04	3.70E-08	1.46E-08
5103 475363.09, 3864377.25	2.35E-04	3.70E-08	1.45E-08	2.40E-04	3.78E-08	1.48E-08	2.39E-04	3.77E-08	1.48E-08
5104 475863.09, 3864377.25	2.39E-04	3.76E-08	1.48E-08	2.44E-04	3.84E-08	1.51E-08	2.44E-04	3.84E-08	1.51E-08
5105 476363.09, 3864377.25	2.43E-04	3.83E-08	1.50E-08	2.48E-04	3.91E-08	1.54E-08	2.48E-04	3.90E-08	1.53E-08
5106 476863.09, 3864377.25	2.48E-04	3.90E-08	1.53E-08	2.53E-04	3.98E-08	1.56E-08	2.53E-04	3.98E-08	1.56E-08
5107 477363.09, 3864377.25	2.53E-04	3.98E-08	1.56E-08	2.58E-04	4.06E-08	1.59E-08	2.57E-04	4.05E-08	1.59E-08
5108 477863.09, 3864377.25	2.58E-04	4.07E-08	1.60E-08	2.63E-04	4.15E-08	1.63E-08	2.63E-04	4.14E-08	1.63E-08
5109 478363.09, 3864377.25	2.65E-04	4.17E-08	1.64E-08	2.70E-04	4.26E-08	1.67E-08	2.70E-04	4.25E-08	1.67E-08
5110 478863.09, 3864377.25	2.72E-04	4.29E-08	1.69E-08	2.78E-04	4.38E-08	1.72E-08	2.78E-04	4.37E-08	1.72E-08
5111 479363.09, 3864377.25	2.78E-04	4.38E-08	1.72E-08	2.84E-04	4.47E-08	1.76E-08	2.84E-04	4.47E-08	1.75E-08
5112 479863.09, 3864377.25	2.83E-04	4.45E-08	1.75E-08	2.88E-04	4.54E-08	1.78E-08	2.88E-04	4.54E-08	1.78E-08
5113 480363.09, 3864377.25	2.86E-04	4.51E-08	1.77E-08	2.92E-04	4.60E-08	1.81E-08	2.92E-04	4.60E-08	1.81E-08
5114 480863.09, 3864377.25	2.89E-04	4.56E-08	1.79E-08	2.95E-04	4.65E-08	1.83E-08	2.95E-04	4.65E-08	1.83E-08
5115 481363.09, 3864377.25	2.94E-04	4.63E-08	1.82E-08	3.00E-04	4.73E-08	1.86E-08	3.00E-04	4.72E-08	1.85E-08
5116 481863.09, 3864377.25	2.99E-04	4.71E-08	1.85E-08	3.05E-04	4.81E-08	1.89E-08	3.05E-04	4.80E-08	1.89E-08
5117 482363.09, 3864377.25	3.04E-04	4.79E-08	1.88E-08	3.10E-04	4.88E-08	1.92E-08	3.10E-04	4.88E-08	1.92E-08
5118 482863.09, 3864377.25	3.09E-04	4.86E-08	1.91E-08	3.15E-04	4.96E-08	1.95E-08	3.15E-04	4.96E-08	1.95E-08
5119 483363.09, 3864377.25	3.15E-04	4.96E-08	1.95E-08	3.21E-04	5.06E-08	1.99E-08	3.21E-04	5.05E-08	1.99E-08
5120 483863.09, 3864377.25	3.23E-04	5.08E-08	2.00E-08	3.29E-04	5.19E-08	2.04E-08	3.29E-04	5.18E-08	2.04E-08
5121 484363.09, 3864377.25	3.33E-04	5.24E-08	2.06E-08	3.39E-04	5.35E-08	2.10E-08	3.39E-04	5.34E-08	2.10E-08
5122 484863.09, 3864377.25	3.43E-04	5.40E-08	2.12E-08	3.50E-04	5.51E-08	2.16E-08	3.49E-04	5.50E-08	2.16E-08
5123 485363.09, 3864377.25	3.55E-04	5.59E-08	2.20E-08	3.62E-04	5.70E-08	2.24E-08	3.62E-04	5.70E-08	2.24E-08
5124 485863.09, 3864377.25	3.70E-04	5.83E-08	2.29E-08	3.77E-04	5.94E-08	2.34E-08	3.77E-04	5.94E-08	2.33E-08
5125 486363.09, 3864377.25	3.86E-04	6.08E-08	2.39E-08	3.94E-04	6.20E-08	2.44E-08	3.93E-04	6.19E-08	2.43E-08
5126 486863.09, 3864377.25	3.99E-04	6.29E-08	2.47E-08	4.07E-04	6.42E-08	2.52E-08	4.07E-04	6.41E-08	2.52E-08
5127 487363.09, 3864377.25	4.14E-04	6.52E-08	2.56E-08	4.22E-04	6.66E-08	2.61E-08	4.22E-04	6.65E-08	2.61E-08
5128 487863.09, 3864377.25	4.30E-04	6.78E-08	2.66E-08	4.39E-04	6.92E-08	2.72E-08	4.38E-04	6.91E-08	2.71E-08
5129 488363.09, 3864377.25	4.44E-04	6.99E-08	2.75E-08	4.53E-04	7.13E-08	2.80E-08	4.52E-04	7.13E-08	2.80E-08
5130 488863.09, 3864377.25	4.55E-04	7.16E-08	2.81E-08	4.64E-04	7.31E-08	2.87E-08	4.63E-04	7.30E-08	2.87E-08
5131 489363.09, 3864377.25	4.57E-04	7.20E-08	2.83E-08	4.67E-04	7.35E-08	2.89E-08	4.66E-04	7.34E-08	2.88E-08
5132 489863.09, 3864377.25	4.54E-04	7.16E-08	2.81E-08	4.64E-04	7.30E-08	2.87E-08	4.63E-04	7.30E-08	2.87E-08
5133 490363.09, 3864377.25	4.54E-04	7.15E-08	2.81E-08	4.63E-04	7.29E-08	2.87E-08	4.63E-04	7.29E-08	2.86E-08
5134 490863.09, 3864377.25	4.55E-04	7.17E-08	2.82E-08	4.65E-04	7.32E-08	2.88E-08	4.64E-04	7.31E-08	2.87E-08
5135 491363.09, 3864377.25	4.56E-04	7.19E-08	2.82E-08	4.65E-04	7.33E-08	2.88E-08	4.65E-04	7.32E-08	2.88E-08
5136 491863.09, 3864377.25	2.12E-04	3.34E-08	1.31E-08	2.16E-04	3.41E-08	1.34E-08	2.16E-04	3.41E-08	1.34E-08
5137 492363.09, 3864377.25	3.49E-04	5.51E-08	2.16E-08	3.57E-04	5.62E-08	2.21E-08	3.56E-04	5.61E-08	2.20E-08
5138 492863.09, 3864377.25	2.41E-04	3.79E-08	1.49E-08	2.46E-04	3.87E-08	1.52E-08	2.45E-04	3.87E-08	1.52E-08
5139 493363.09, 3864377.25	3.25E-04	5.12E-08	2.01E-08	3.31E-04	5.22E-08	2.05E-08	3.31E-04	5.21E-08	2.05E-08
5140 493863.09, 3864377.25	3.95E-04	6.23E-08	2.45E-08	4.04E-04	6.36E-08	2.50E-08	4.03E-04	6.35E-08	2.49E-08
5141 494363.09, 3864377.25	4.28E-04	6.74E-08	2.65E-08	4.37E-04	6.88E-08	2.70E-08	4.36E-04	6.87E-08	2.70E-08
5142 494863.09, 3864377.25	4.54E-04	7.15E-08	2.81E-08	4.63E-04	7.29E-08	2.87E-08	4.63E-04	7.29E-08	2.86E-08
5143 495363.09, 3864377.25	4.55E-04	7.17E-08	2.82E-08	4.65E-04	7.32E-08	2.88E-08	4.64E-04	7.31E-08	2.87E-08
5144 495863.09, 3864377.25	4.52E-04	7.13E-08	2.80E-08	4.62E-04	7.27E-08	2.86E-08	4.61E-04	7.26E-08	2.85E-08
5145 496363.09, 3864377.25	4.32E-04	6.81E-08	2.68E-08	4.41E-04	6.95E-08	2.73E-08	4.41E-04	6.94E-08	2.73E-08
5146 496863.09, 3864377.25	4.17E-04	6.57E-08	2.58E-08	4.26E-04	6.71E-08	2.63E-08	4.25E-04	6.70E-08	2.63E-08
5147 497363.09, 3864377.25	4.10E-04	6.45E-08	2.53E-08	4.18E-04	6.58E-08	2.59E-08	4.17E-04	6.58E-08	2.58E-08
5148 497863.09, 3864377.25	4.13E-04	6.51E-08	2.56E-08	4.22E-04	6.64E-08	2.61E-08	4.21E-04	6.63E-08	2.61E-08
5149 498363.09, 3864377.25	4.15E-04	6.55E-08	2.57E-08	4.24E-04	6.68E-08	2.62E-08	4.23E-04	6.67E-08	2.62E-08
5150 471363.09, 3864877.25	1.92E-04	3.03E-08	1.19E-08	1.96E-04	3.09E-08	1.21E-08	1.96E-04	3.08E-08	1.21E-08
5151 471863.09, 3864877.25	1.97E-04	3.10E-08	1.22E-08	2.01E-04	3.16E-08	1.24E-08	2.01E-04	3.16E-08	1.24E-08
5152 472363.09, 3864877.25	2.02E-04	3.18E-08	1.25E-08	2.06E-04	3.24E-08	1.27E-08	2.06E-04	3.24E-08	1.27E-08
5153 472863.09, 3864877.25	2.07E-04	3.25E-08	1.28E-08	2.11E-04	3.32E-08	1.30E-08	2.11E-04	3.32E-08	1.30E-08
5154 473363.09, 3864877.25	2.11E-04	3.32E-08	1.30E-08	2.15E-04	3.39E-08	1.33E-08	2.15E-04	3.38E-08	1.33E-08
5155 473863.09, 3864877.25	2.15E-04	3.38E-08	1.33E-08	2.19E-04	3.45E-08	1.35E-08	2.19E-04	3.44E-08	1.35E-08
5156 474363.09, 3864877.25	2.19E-04	3.44E-08	1.35E-08	2.23E-04	3.51E-08	1.38E-08	2.23E-04	3.51E-08	1.38E-08
5157 474863.09, 3864877.25	2.22E-04	3.50E-08	1.38E-08	2.27E-04	3.57E-08	1.40E-08	2.26E-04	3.57E-08	1.40E-08
5158 475363.09, 3864877.25	2.26E-04	3.56E-08	1.40E-08	2.31E-04	3.63E-08	1.43E-08	2.30E-04	3.63E-08	1.43E-08
5159 475863.09, 3864877.25	2.30E-04	3.62E-08	1.42E-08	2.34E-04	3.69E-08	1.45E-08	2.34E-04	3.69E-08	1.45E-08
5160 476363.09, 3864877.25	2.33E-04	3.68E-08	1.44E-08	2.38E-04	3.75E-08	1.47E-08	2.38E-04	3.75E-08	1.47E-08
5161 476863.09, 3864877.25	2.39E-04	3.76E-08	1.48E-08	2.44E-04	3.84E-08	1.51E-08	2.43E-04	3.83E-08	1.51E-08
5162 477363.09, 3864877.25	2.43E-04	3.83E-08	1.50E-08	2.48E-04	3.91E-08	1.54E-08	2.48E-04	3.90E-08	1.53E-08

5163	477863.09, 3864877.25	2.48E-04	3.90E-08	1.53E-08	2.53E-04	3.98E-08	1.56E-08	2.53E-04	3.98E-08	1.56E-08
5164	478363.09, 3864877.25	2.53E-04	3.98E-08	1.56E-08	2.58E-04	4.06E-08	1.60E-08	2.58E-04	4.06E-08	1.59E-08
5165	478863.09, 3864877.25	2.58E-04	4.06E-08	1.59E-08	2.63E-04	4.14E-08	1.63E-08	2.62E-04	4.14E-08	1.62E-08
5166	479363.09, 3864877.25	2.62E-04	4.12E-08	1.62E-08	2.67E-04	4.21E-08	1.65E-08	2.67E-04	4.20E-08	1.65E-08
5167	479863.09, 3864877.25	2.64E-04	4.16E-08	1.64E-08	2.70E-04	4.25E-08	1.67E-08	2.69E-04	4.24E-08	1.67E-08
5168	480363.09, 3864877.25	2.68E-04	4.21E-08	1.66E-08	2.73E-04	4.30E-08	1.69E-08	2.73E-04	4.30E-08	1.69E-08
5169	480863.09, 3864877.25	2.71E-04	4.26E-08	1.67E-08	2.76E-04	4.35E-08	1.71E-08	2.76E-04	4.34E-08	1.71E-08
5170	481363.09, 3864877.25	2.75E-04	4.33E-08	1.70E-08	2.80E-04	4.41E-08	1.73E-08	2.80E-04	4.41E-08	1.73E-08
5171	481863.09, 3864877.25	2.78E-04	4.38E-08	1.72E-08	2.84E-04	4.47E-08	1.75E-08	2.83E-04	4.46E-08	1.75E-08
5172	482363.09, 3864877.25	2.81E-04	4.43E-08	1.74E-08	2.87E-04	4.52E-08	1.78E-08	2.87E-04	4.52E-08	1.78E-08
5173	482863.09, 3864877.25	2.85E-04	4.48E-08	1.76E-08	2.90E-04	4.58E-08	1.80E-08	2.90E-04	4.57E-08	1.80E-08
5174	483363.09, 3864877.25	2.89E-04	4.55E-08	1.79E-08	2.95E-04	4.64E-08	1.82E-08	2.94E-04	4.64E-08	1.82E-08
5175	483863.09, 3864877.25	2.95E-04	4.65E-08	1.83E-08	3.01E-04	4.75E-08	1.86E-08	3.01E-04	4.74E-08	1.86E-08
5176	484363.09, 3864877.25	3.05E-04	4.80E-08	1.89E-08	3.11E-04	4.90E-08	1.93E-08	3.11E-04	4.90E-08	1.92E-08
5177	484863.09, 3864877.25	3.16E-04	4.98E-08	1.96E-08	3.23E-04	5.08E-08	2.00E-08	3.22E-04	5.08E-08	1.99E-08
5178	485363.09, 3864877.25	3.29E-04	5.19E-08	2.04E-08	3.36E-04	5.30E-08	2.08E-08	3.36E-04	5.29E-08	2.08E-08
5179	485863.09, 3864877.25	3.42E-04	5.38E-08	2.12E-08	3.49E-04	5.49E-08	2.16E-08	3.48E-04	5.49E-08	2.16E-08
5180	486363.09, 3864877.25	3.53E-04	5.56E-08	2.18E-08	3.60E-04	5.67E-08	2.23E-08	3.60E-04	5.67E-08	2.23E-08
5181	486863.09, 3864877.25	3.63E-04	5.71E-08	2.24E-08	3.70E-04	5.83E-08	2.29E-08	3.70E-04	5.82E-08	2.29E-08
5182	487363.09, 3864877.25	3.75E-04	5.90E-08	2.32E-08	3.82E-04	6.03E-08	2.37E-08	3.82E-04	6.02E-08	2.36E-08
5183	487863.09, 3864877.25	3.87E-04	6.09E-08	2.39E-08	3.95E-04	6.22E-08	2.44E-08	3.94E-04	6.21E-08	2.44E-08
5184	488363.09, 3864877.25	3.96E-04	6.23E-08	2.45E-08	4.04E-04	6.36E-08	2.50E-08	4.03E-04	6.35E-08	2.50E-08
5185	488863.09, 3864877.25	4.03E-04	6.35E-08	2.49E-08	4.11E-04	6.48E-08	2.54E-08	4.11E-04	6.47E-08	2.54E-08
5186	489363.09, 3864877.25	4.04E-04	6.36E-08	2.50E-08	4.12E-04	6.49E-08	2.55E-08	4.11E-04	6.48E-08	2.55E-08
5187	489863.09, 3864877.25	4.00E-04	6.30E-08	2.48E-08	4.08E-04	6.43E-08	2.53E-08	4.08E-04	6.42E-08	2.52E-08
5188	490363.09, 3864877.25	4.01E-04	6.31E-08	2.48E-08	4.09E-04	6.44E-08	2.53E-08	4.08E-04	6.43E-08	2.53E-08
5189	490863.09, 3864877.25	3.80E-04	5.99E-08	2.35E-08	3.88E-04	6.11E-08	2.40E-08	3.87E-04	6.10E-08	2.40E-08
5190	491363.09, 3864877.25	4.00E-04	6.31E-08	2.48E-08	4.09E-04	6.44E-08	2.53E-08	4.08E-04	6.43E-08	2.53E-08
5191	491863.09, 3864877.25	3.61E-04	5.68E-08	2.23E-08	3.68E-04	5.80E-08	2.28E-08	3.68E-04	5.79E-08	2.28E-08
5192	492363.09, 3864877.25	1.50E-04	2.37E-08	9.30E-09	1.53E-04	2.42E-08	9.49E-09	1.53E-04	2.41E-08	9.48E-09
5193	492863.09, 3864877.25	1.82E-04	2.87E-08	1.13E-08	1.86E-04	2.93E-08	1.15E-08	1.86E-04	2.93E-08	1.15E-08
5194	493363.09, 3864877.25	1.78E-04	2.80E-08	1.10E-08	1.82E-04	2.86E-08	1.12E-08	1.81E-04	2.86E-08	1.12E-08
5195	493863.09, 3864877.25	3.11E-04	4.90E-08	1.93E-08	3.18E-04	5.00E-08	1.97E-08	3.17E-04	5.00E-08	1.96E-08
5196	494363.09, 3864877.25	3.67E-04	5.78E-08	2.27E-08	3.74E-04	5.90E-08	2.32E-08	3.74E-04	5.89E-08	2.31E-08
5197	494863.09, 3864877.25	3.81E-04	6.00E-08	2.36E-08	3.89E-04	6.12E-08	2.41E-08	3.88E-04	6.12E-08	2.40E-08
5198	495363.09, 3864877.25	3.98E-04	6.26E-08	2.46E-08	4.06E-04	6.39E-08	2.51E-08	4.05E-04	6.38E-08	2.51E-08
5199	495863.09, 3864877.25	3.99E-04	6.29E-08	2.47E-08	4.07E-04	6.42E-08	2.52E-08	4.07E-04	6.41E-08	2.52E-08
5200	496363.09, 3864877.25	3.98E-04	6.28E-08	2.47E-08	4.07E-04	6.40E-08	2.52E-08	4.06E-04	6.40E-08	2.51E-08
5201	496863.09, 3864877.25	3.82E-04	6.02E-08	2.37E-08	3.90E-04	6.14E-08	2.41E-08	3.90E-04	6.14E-08	2.41E-08
5202	497363.09, 3864877.25	3.68E-04	5.79E-08	2.28E-08	3.75E-04	5.91E-08	2.32E-08	3.75E-04	5.90E-08	2.32E-08
5203	497863.09, 3864877.25	3.62E-04	5.70E-08	2.24E-08	3.69E-04	5.82E-08	2.29E-08	3.69E-04	5.81E-08	2.28E-08
5204	498363.09, 3864877.25	3.58E-04	5.64E-08	2.22E-08	3.66E-04	5.76E-08	2.26E-08	3.65E-04	5.75E-08	2.26E-08
5205	471363.09, 3865377.25	1.87E-04	2.94E-08	1.16E-08	1.91E-04	3.00E-08	1.18E-08	1.90E-04	3.00E-08	1.18E-08
5206	471863.09, 3865377.25	1.91E-04	3.01E-08	1.18E-08	1.95E-04	3.07E-08	1.21E-08	1.95E-04	3.07E-08	1.21E-08
5207	472363.09, 3865377.25	1.95E-04	3.08E-08	1.21E-08	1.99E-04	3.14E-08	1.23E-08	1.99E-04	3.14E-08	1.23E-08
5208	472863.09, 3865377.25	2.00E-04	3.15E-08	1.24E-08	2.04E-04	3.21E-08	1.26E-08	2.04E-04	3.21E-08	1.26E-08
5209	473363.09, 3865377.25	2.03E-04	3.20E-08	1.26E-08	2.07E-04	3.26E-08	1.28E-08	2.07E-04	3.26E-08	1.28E-08
5210	473863.09, 3865377.25	2.07E-04	3.25E-08	1.28E-08	2.11E-04	3.32E-08	1.30E-08	2.11E-04	3.32E-08	1.30E-08
5211	474363.09, 3865377.25	2.10E-04	3.31E-08	1.30E-08	2.14E-04	3.38E-08	1.33E-08	2.14E-04	3.37E-08	1.33E-08
5212	474863.09, 3865377.25	2.14E-04	3.37E-08	1.32E-08	2.18E-04	3.44E-08	1.35E-08	2.18E-04	3.43E-08	1.35E-08
5213	475363.09, 3865377.25	2.17E-04	3.42E-08	1.34E-08	2.22E-04	3.49E-08	1.37E-08	2.21E-04	3.49E-08	1.37E-08
5214	475863.09, 3865377.25	2.21E-04	3.48E-08	1.37E-08	2.25E-04	3.55E-08	1.39E-08	2.25E-04	3.54E-08	1.39E-08
5215	476363.09, 3865377.25	2.26E-04	3.57E-08	1.40E-08	2.31E-04	3.64E-08	1.43E-08	2.31E-04	3.63E-08	1.43E-08
5216	476863.09, 3865377.25	2.26E-04	3.56E-08	1.40E-08	2.31E-04	3.63E-08	1.43E-08	2.30E-04	3.63E-08	1.43E-08
5217	477363.09, 3865377.25	2.33E-04	3.68E-08	1.44E-08	2.38E-04	3.75E-08	1.47E-08	2.38E-04	3.75E-08	1.47E-08
5218	477863.09, 3865377.25	2.36E-04	3.71E-08	1.46E-08	2.41E-04	3.79E-08	1.49E-08	2.40E-04	3.78E-08	1.49E-08
5219	478363.09, 3865377.25	2.40E-04	3.77E-08	1.48E-08	2.44E-04	3.85E-08	1.51E-08	2.44E-04	3.85E-08	1.51E-08
5220	478863.09, 3865377.25	2.43E-04	3.82E-08	1.50E-08	2.47E-04	3.90E-08	1.53E-08	2.47E-04	3.89E-08	1.53E-08
5221	479363.09, 3865377.25	2.45E-04	3.87E-08	1.52E-08	2.50E-04	3.95E-08	1.55E-08	2.50E-04	3.94E-08	1.55E-08
5222	479863.09, 3865377.25	2.48E-04	3.91E-08	1.54E-08	2.53E-04	3.99E-08	1.57E-08	2.53E-04	3.99E-08	1.57E-08
5223	480363.09, 3865377.25	2.50E-04	3.94E-08	1.55E-08	2.55E-04	4.02E-08	1.58E-08	2.55E-04	4.02E-08	1.58E-08
5224	480863.09, 3865377.25	2.53E-04	3.98E-08	1.56E-08	2.58E-04	4.06E-08	1.59E-08	2.57E-04	4.05E-08	1.59E-08
5225	481363.09, 3865377.25	2.56E-04	4.03E-08	1.58E-08	2.61E-04	4.11E-08	1.62E-08	2.61E-04	4.11E-08	1.61E-08

5226	481863.09, 3865377.25	2.58E-04	4.06E-08	1.60E-08	2.63E-04	4.14E-08	1.63E-08	2.63E-04	4.14E-08	1.63E-08
5227	482363.09, 3865377.25	2.60E-04	4.09E-08	1.61E-08	2.65E-04	4.17E-08	1.64E-08	2.65E-04	4.17E-08	1.64E-08
5228	482863.09, 3865377.25	2.62E-04	4.12E-08	1.62E-08	2.67E-04	4.21E-08	1.65E-08	2.67E-04	4.20E-08	1.65E-08
5229	483363.09, 3865377.25	2.67E-04	4.20E-08	1.65E-08	2.72E-04	4.29E-08	1.68E-08	2.72E-04	4.28E-08	1.68E-08
5230	483863.09, 3865377.25	2.74E-04	4.32E-08	1.70E-08	2.80E-04	4.41E-08	1.73E-08	2.80E-04	4.40E-08	1.73E-08
5231	484363.09, 3865377.25	2.84E-04	4.47E-08	1.76E-08	2.90E-04	4.57E-08	1.79E-08	2.90E-04	4.56E-08	1.79E-08
5232	484863.09, 3865377.25	2.95E-04	4.65E-08	1.83E-08	3.01E-04	4.75E-08	1.86E-08	3.01E-04	4.74E-08	1.86E-08
5233	485363.09, 3865377.25	3.07E-04	4.83E-08	1.90E-08	3.13E-04	4.93E-08	1.94E-08	3.13E-04	4.93E-08	1.93E-08
5234	485863.09, 3865377.25	3.16E-04	4.99E-08	1.96E-08	3.23E-04	5.09E-08	2.00E-08	3.23E-04	5.08E-08	2.00E-08
5235	486363.09, 3865377.25	3.25E-04	5.12E-08	2.01E-08	3.31E-04	5.22E-08	2.05E-08	3.31E-04	5.21E-08	2.05E-08
5236	486863.09, 3865377.25	3.33E-04	5.24E-08	2.06E-08	3.39E-04	5.35E-08	2.10E-08	3.39E-04	5.34E-08	2.10E-08
5237	487363.09, 3865377.25	3.42E-04	5.39E-08	2.12E-08	3.49E-04	5.50E-08	2.16E-08	3.49E-04	5.50E-08	2.16E-08
5238	487863.09, 3865377.25	3.50E-04	5.51E-08	2.16E-08	3.57E-04	5.62E-08	2.21E-08	3.56E-04	5.62E-08	2.21E-08
5239	488363.09, 3865377.25	3.56E-04	5.61E-08	2.20E-08	3.63E-04	5.72E-08	2.25E-08	3.63E-04	5.72E-08	2.25E-08
5240	488863.09, 3865377.25	3.61E-04	5.68E-08	2.23E-08	3.68E-04	5.80E-08	2.28E-08	3.68E-04	5.79E-08	2.28E-08
5241	489363.09, 3865377.25	3.61E-04	5.69E-08	2.24E-08	3.69E-04	5.81E-08	2.28E-08	3.68E-04	5.80E-08	2.28E-08
5242	489863.09, 3865377.25	3.61E-04	5.69E-08	2.24E-08	3.69E-04	5.81E-08	2.28E-08	3.68E-04	5.80E-08	2.28E-08
5243	490363.09, 3865377.25	3.50E-04	5.52E-08	2.17E-08	3.58E-04	5.63E-08	2.21E-08	3.57E-04	5.63E-08	2.21E-08
5244	490863.09, 3865377.25	3.34E-04	5.26E-08	2.07E-08	3.41E-04	5.37E-08	2.11E-08	3.41E-04	5.37E-08	2.11E-08
5245	491363.09, 3865377.25	3.24E-04	5.10E-08	2.00E-08	3.30E-04	5.21E-08	2.05E-08	3.30E-04	5.20E-08	2.04E-08
5246	491863.09, 3865377.25	3.21E-04	5.06E-08	1.99E-08	3.28E-04	5.16E-08	2.03E-08	3.27E-04	5.16E-08	2.03E-08
5247	492363.09, 3865377.25	2.56E-04	4.03E-08	1.58E-08	2.61E-04	4.11E-08	1.62E-08	2.61E-04	4.11E-08	1.61E-08
5248	492863.09, 3865377.25	1.99E-04	3.13E-08	1.23E-08	2.03E-04	3.20E-08	1.26E-08	2.03E-04	3.19E-08	1.25E-08
5249	493363.09, 3865377.25	1.67E-04	2.63E-08	1.03E-08	1.70E-04	2.69E-08	1.06E-08	1.70E-04	2.68E-08	1.05E-08
5250	493863.09, 3865377.25	2.26E-04	3.56E-08	1.40E-08	2.30E-04	3.63E-08	1.43E-08	2.30E-04	3.62E-08	1.42E-08
5251	494363.09, 3865377.25	2.96E-04	4.66E-08	1.83E-08	3.02E-04	4.76E-08	1.87E-08	3.02E-04	4.75E-08	1.87E-08
5252	494863.09, 3865377.25	3.26E-04	5.13E-08	2.02E-08	3.32E-04	5.23E-08	2.06E-08	3.32E-04	5.23E-08	2.05E-08
5253	495363.09, 3865377.25	3.40E-04	5.35E-08	2.10E-08	3.47E-04	5.46E-08	2.15E-08	3.46E-04	5.46E-08	2.14E-08
5254	495863.09, 3865377.25	3.55E-04	5.59E-08	2.20E-08	3.62E-04	5.71E-08	2.24E-08	3.62E-04	5.70E-08	2.24E-08
5255	496363.09, 3865377.25	3.53E-04	5.56E-08	2.18E-08	3.60E-04	5.67E-08	2.23E-08	3.59E-04	5.66E-08	2.22E-08
5256	496863.09, 3865377.25	3.52E-04	5.54E-08	2.18E-08	3.59E-04	5.65E-08	2.22E-08	3.58E-04	5.64E-08	2.22E-08
5257	497363.09, 3865377.25	3.42E-04	5.39E-08	2.12E-08	3.49E-04	5.50E-08	2.16E-08	3.49E-04	5.49E-08	2.16E-08
5258	497863.09, 3865377.25	3.29E-04	5.18E-08	2.04E-08	3.36E-04	5.29E-08	2.08E-08	3.35E-04	5.28E-08	2.07E-08
5259	498363.09, 3865377.25	3.23E-04	5.09E-08	2.00E-08	3.30E-04	5.20E-08	2.04E-08	3.29E-04	5.19E-08	2.04E-08
5260	471363.09, 3865877.25	1.81E-04	2.85E-08	1.12E-08	1.85E-04	2.91E-08	1.14E-08	1.85E-04	2.91E-08	1.14E-08
5261	471863.09, 3865877.25	1.85E-04	2.92E-08	1.15E-08	1.89E-04	2.97E-08	1.17E-08	1.89E-04	2.97E-08	1.17E-08
5262	472363.09, 3865877.25	1.89E-04	2.98E-08	1.17E-08	1.93E-04	3.04E-08	1.19E-08	1.93E-04	3.04E-08	1.19E-08
5263	472863.09, 3865877.25	1.92E-04	3.03E-08	1.19E-08	1.96E-04	3.09E-08	1.21E-08	1.96E-04	3.08E-08	1.21E-08
5264	473363.09, 3865877.25	1.95E-04	3.07E-08	1.21E-08	1.99E-04	3.14E-08	1.23E-08	1.99E-04	3.13E-08	1.23E-08
5265	473863.09, 3865877.25	1.99E-04	3.13E-08	1.23E-08	2.03E-04	3.20E-08	1.26E-08	2.03E-04	3.19E-08	1.25E-08
5266	474363.09, 3865877.25	2.02E-04	3.19E-08	1.25E-08	2.07E-04	3.25E-08	1.28E-08	2.06E-04	3.25E-08	1.28E-08
5267	474863.09, 3865877.25	2.06E-04	3.25E-08	1.28E-08	2.10E-04	3.32E-08	1.30E-08	2.10E-04	3.31E-08	1.30E-08
5268	475363.09, 3865877.25	2.09E-04	3.30E-08	1.29E-08	2.13E-04	3.36E-08	1.32E-08	2.13E-04	3.36E-08	1.32E-08
5269	475863.09, 3865877.25	2.13E-04	3.35E-08	1.32E-08	2.17E-04	3.42E-08	1.34E-08	2.17E-04	3.42E-08	1.34E-08
5270	476363.09, 3865877.25	2.17E-04	3.43E-08	1.35E-08	2.22E-04	3.50E-08	1.37E-08	2.22E-04	3.49E-08	1.37E-08
5271	476863.09, 3865877.25	2.15E-04	3.38E-08	1.33E-08	2.19E-04	3.45E-08	1.36E-08	2.19E-04	3.45E-08	1.35E-08
5272	477363.09, 3865877.25	2.22E-04	3.50E-08	1.38E-08	2.27E-04	3.57E-08	1.40E-08	2.26E-04	3.57E-08	1.40E-08
5273	477863.09, 3865877.25	2.24E-04	3.52E-08	1.38E-08	2.28E-04	3.60E-08	1.41E-08	2.28E-04	3.59E-08	1.41E-08
5274	478363.09, 3865877.25	2.26E-04	3.56E-08	1.40E-08	2.31E-04	3.63E-08	1.43E-08	2.30E-04	3.63E-08	1.43E-08
5275	478863.09, 3865877.25	2.29E-04	3.60E-08	1.42E-08	2.33E-04	3.68E-08	1.44E-08	2.33E-04	3.67E-08	1.44E-08
5276	479363.09, 3865877.25	2.31E-04	3.64E-08	1.43E-08	2.36E-04	3.72E-08	1.46E-08	2.36E-04	3.71E-08	1.46E-08
5277	479863.09, 3865877.25	2.33E-04	3.67E-08	1.44E-08	2.38E-04	3.74E-08	1.47E-08	2.37E-04	3.74E-08	1.47E-08
5278	480363.09, 3865877.25	2.34E-04	3.69E-08	1.45E-08	2.39E-04	3.77E-08	1.48E-08	2.39E-04	3.76E-08	1.48E-08
5279	480863.09, 3865877.25	2.36E-04	3.72E-08	1.46E-08	2.41E-04	3.80E-08	1.49E-08	2.41E-04	3.79E-08	1.49E-08
5280	481363.09, 3865877.25	2.37E-04	3.74E-08	1.47E-08	2.42E-04	3.82E-08	1.50E-08	2.42E-04	3.81E-08	1.50E-08
5281	481863.09, 3865877.25	2.39E-04	3.76E-08	1.48E-08	2.44E-04	3.84E-08	1.51E-08	2.43E-04	3.83E-08	1.51E-08
5282	482363.09, 3865877.25	2.41E-04	3.79E-08	1.49E-08	2.46E-04	3.87E-08	1.52E-08	2.45E-04	3.87E-08	1.52E-08
5283	482863.09, 3865877.25	2.44E-04	3.85E-08	1.51E-08	2.49E-04	3.93E-08	1.54E-08	2.49E-04	3.92E-08	1.54E-08
5284	483363.09, 3865877.25	2.50E-04	3.94E-08	1.55E-08	2.55E-04	4.02E-08	1.58E-08	2.55E-04	4.02E-08	1.58E-08
5285	483863.09, 3865877.25	2.58E-04	4.06E-08	1.60E-08	2.63E-04	4.14E-08	1.63E-08	2.63E-04	4.14E-08	1.63E-08
5286	484363.09, 3865877.25	2.67E-04	4.21E-08	1.65E-08	2.72E-04	4.29E-08	1.69E-08	2.72E-04	4.29E-08	1.68E-08
5287	484863.09, 3865877.25	2.76E-04	4.35E-08	1.71E-08	2.82E-04	4.44E-08	1.74E-08	2.81E-04	4.43E-08	1.74E-08
5288	485363.09, 3865877.25	2.85E-04	4.49E-08	1.77E-08	2.91E-04	4.59E-08	1.80E-08	2.91E-04	4.58E-08	1.80E-08

5289	485863.09, 3865877.25	2.93E-04	4.62E-08	1.82E-08	2.99E-04	4.72E-08	1.85E-08	2.99E-04	4.71E-08	1.85E-08
5290	486363.09, 3865877.25	3.00E-04	4.73E-08	1.86E-08	3.06E-04	4.83E-08	1.90E-08	3.06E-04	4.82E-08	1.89E-08
5291	486863.09, 3865877.25	3.06E-04	4.83E-08	1.90E-08	3.13E-04	4.93E-08	1.94E-08	3.12E-04	4.92E-08	1.93E-08
5292	487363.09, 3865877.25	3.13E-04	4.93E-08	1.94E-08	3.20E-04	5.04E-08	1.98E-08	3.19E-04	5.03E-08	1.98E-08
5293	487863.09, 3865877.25	3.19E-04	5.02E-08	1.97E-08	3.25E-04	5.13E-08	2.01E-08	3.25E-04	5.12E-08	2.01E-08
5294	488363.09, 3865877.25	3.23E-04	5.08E-08	2.00E-08	3.29E-04	5.19E-08	2.04E-08	3.29E-04	5.18E-08	2.04E-08
5295	488863.09, 3865877.25	3.26E-04	5.13E-08	2.02E-08	3.33E-04	5.24E-08	2.06E-08	3.32E-04	5.23E-08	2.06E-08
5296	489363.09, 3865877.25	3.27E-04	5.15E-08	2.02E-08	3.34E-04	5.26E-08	2.07E-08	3.33E-04	5.25E-08	2.06E-08
5297	489863.09, 3865877.25	3.28E-04	5.16E-08	2.03E-08	3.34E-04	5.27E-08	2.07E-08	3.34E-04	5.26E-08	2.07E-08
5298	490363.09, 3865877.25	3.27E-04	5.16E-08	2.03E-08	3.34E-04	5.26E-08	2.07E-08	3.34E-04	5.26E-08	2.06E-08
5299	490863.09, 3865877.25	3.10E-04	4.88E-08	1.92E-08	3.16E-04	4.98E-08	1.96E-08	3.16E-04	4.98E-08	1.96E-08
5300	491363.09, 3865877.25	2.88E-04	4.54E-08	1.78E-08	2.94E-04	4.63E-08	1.82E-08	2.93E-04	4.62E-08	1.82E-08
5301	491863.09, 3865877.25	2.79E-04	4.40E-08	1.73E-08	2.85E-04	4.49E-08	1.76E-08	2.85E-04	4.49E-08	1.76E-08
5302	492363.09, 3865877.25	2.64E-04	4.16E-08	1.64E-08	2.70E-04	4.25E-08	1.67E-08	2.69E-04	4.24E-08	1.67E-08
5303	492863.09, 3865877.25	2.00E-04	3.16E-08	1.24E-08	2.04E-04	3.22E-08	1.27E-08	2.04E-04	3.22E-08	1.26E-08
5304	493363.09, 3865877.25	1.96E-04	3.08E-08	1.21E-08	2.00E-04	3.15E-08	1.24E-08	1.99E-04	3.14E-08	1.23E-08
5305	493863.09, 3865877.25	2.23E-04	3.51E-08	1.38E-08	2.28E-04	3.59E-08	1.41E-08	2.27E-04	3.58E-08	1.41E-08
5306	494363.09, 3865877.25	2.58E-04	4.06E-08	1.60E-08	2.63E-04	4.14E-08	1.63E-08	2.63E-04	4.14E-08	1.63E-08
5307	494863.09, 3865877.25	3.01E-04	4.75E-08	1.87E-08	3.08E-04	4.85E-08	1.90E-08	3.07E-04	4.84E-08	1.90E-08
5308	495363.09, 3865877.25	3.04E-04	4.79E-08	1.88E-08	3.10E-04	4.88E-08	1.92E-08	3.10E-04	4.88E-08	1.92E-08
5309	495863.09, 3865877.25	3.06E-04	4.82E-08	1.89E-08	3.12E-04	4.92E-08	1.93E-08	3.12E-04	4.92E-08	1.93E-08
5310	496363.09, 3865877.25	3.07E-04	4.84E-08	1.90E-08	3.14E-04	4.94E-08	1.94E-08	3.13E-04	4.93E-08	1.94E-08
5311	496863.09, 3865877.25	3.04E-04	4.79E-08	1.88E-08	3.10E-04	4.88E-08	1.92E-08	3.10E-04	4.88E-08	1.92E-08
5312	497363.09, 3865877.25	3.14E-04	4.94E-08	1.94E-08	3.20E-04	5.04E-08	1.98E-08	3.20E-04	5.04E-08	1.98E-08
5313	497863.09, 3865877.25	3.06E-04	4.81E-08	1.89E-08	3.12E-04	4.91E-08	1.93E-08	3.11E-04	4.91E-08	1.93E-08
5314	498363.09, 3865877.25	2.85E-04	4.49E-08	1.77E-08	2.91E-04	4.59E-08	1.80E-08	2.91E-04	4.58E-08	1.80E-08
5315	471363.09, 3866377.25	1.75E-04	2.76E-08	1.09E-08	1.79E-04	2.82E-08	1.11E-08	1.79E-04	2.82E-08	1.11E-08
5316	471863.09, 3866377.25	1.79E-04	2.82E-08	1.11E-08	1.83E-04	2.88E-08	1.13E-08	1.82E-04	2.87E-08	1.13E-08
5317	472363.09, 3866377.25	1.82E-04	2.87E-08	1.13E-08	1.86E-04	2.93E-08	1.15E-08	1.86E-04	2.93E-08	1.15E-08
5318	472863.09, 3866377.25	1.85E-04	2.91E-08	1.14E-08	1.89E-04	2.97E-08	1.17E-08	1.88E-04	2.97E-08	1.17E-08
5319	473363.09, 3866377.25	1.88E-04	2.97E-08	1.17E-08	1.92E-04	3.03E-08	1.19E-08	1.92E-04	3.02E-08	1.19E-08
5320	473863.09, 3866377.25	1.92E-04	3.02E-08	1.19E-08	1.96E-04	3.08E-08	1.21E-08	1.96E-04	3.08E-08	1.21E-08
5321	474363.09, 3866377.25	1.95E-04	3.08E-08	1.21E-08	1.99E-04	3.14E-08	1.23E-08	1.99E-04	3.14E-08	1.23E-08
5322	474863.09, 3866377.25	1.99E-04	3.13E-08	1.23E-08	2.03E-04	3.19E-08	1.25E-08	2.02E-04	3.19E-08	1.25E-08
5323	475363.09, 3866377.25	2.01E-04	3.17E-08	1.24E-08	2.05E-04	3.23E-08	1.27E-08	2.05E-04	3.23E-08	1.27E-08
5324	475863.09, 3866377.25	2.03E-04	3.20E-08	1.26E-08	2.07E-04	3.26E-08	1.28E-08	2.07E-04	3.26E-08	1.28E-08
5325	476363.09, 3866377.25	2.07E-04	3.26E-08	1.28E-08	2.11E-04	3.33E-08	1.31E-08	2.11E-04	3.33E-08	1.31E-08
5326	476863.09, 3866377.25	2.01E-04	3.17E-08	1.25E-08	2.05E-04	3.24E-08	1.27E-08	2.05E-04	3.23E-08	1.27E-08
5327	477363.09, 3866377.25	2.09E-04	3.30E-08	1.29E-08	2.13E-04	3.36E-08	1.32E-08	2.13E-04	3.36E-08	1.32E-08
5328	477863.09, 3866377.25	2.12E-04	3.34E-08	1.31E-08	2.16E-04	3.41E-08	1.34E-08	2.16E-04	3.41E-08	1.34E-08
5329	478363.09, 3866377.25	2.14E-04	3.37E-08	1.32E-08	2.18E-04	3.43E-08	1.35E-08	2.18E-04	3.43E-08	1.35E-08
5330	478863.09, 3866377.25	2.16E-04	3.40E-08	1.34E-08	2.20E-04	3.47E-08	1.36E-08	2.20E-04	3.47E-08	1.36E-08
5331	479363.09, 3866377.25	2.18E-04	3.44E-08	1.35E-08	2.23E-04	3.51E-08	1.38E-08	2.22E-04	3.50E-08	1.38E-08
5332	479863.09, 3866377.25	2.20E-04	3.46E-08	1.36E-08	2.24E-04	3.53E-08	1.39E-08	2.24E-04	3.52E-08	1.38E-08
5333	480363.09, 3866377.25	2.21E-04	3.48E-08	1.37E-08	2.25E-04	3.55E-08	1.39E-08	2.25E-04	3.54E-08	1.39E-08
5334	480863.09, 3866377.25	2.21E-04	3.49E-08	1.37E-08	2.26E-04	3.56E-08	1.40E-08	2.26E-04	3.55E-08	1.40E-08
5335	481363.09, 3866377.25	2.22E-04	3.50E-08	1.38E-08	2.27E-04	3.58E-08	1.40E-08	2.27E-04	3.57E-08	1.40E-08
5336	481863.09, 3866377.25	2.24E-04	3.52E-08	1.38E-08	2.28E-04	3.60E-08	1.41E-08	2.28E-04	3.59E-08	1.41E-08
5337	482363.09, 3866377.25	2.27E-04	3.57E-08	1.40E-08	2.31E-04	3.64E-08	1.43E-08	2.31E-04	3.64E-08	1.43E-08
5338	482863.09, 3866377.25	2.31E-04	3.64E-08	1.43E-08	2.36E-04	3.72E-08	1.46E-08	2.36E-04	3.71E-08	1.46E-08
5339	483363.09, 3866377.25	2.36E-04	3.72E-08	1.46E-08	2.41E-04	3.80E-08	1.49E-08	2.41E-04	3.79E-08	1.49E-08
5340	483863.09, 3866377.25	2.43E-04	3.82E-08	1.50E-08	2.48E-04	3.90E-08	1.53E-08	2.47E-04	3.90E-08	1.53E-08
5341	484363.09, 3866377.25	2.50E-04	3.94E-08	1.55E-08	2.55E-04	4.02E-08	1.58E-08	2.55E-04	4.02E-08	1.58E-08
5342	484863.09, 3866377.25	2.59E-04	4.08E-08	1.60E-08	2.64E-04	4.16E-08	1.64E-08	2.64E-04	4.16E-08	1.63E-08
5343	485363.09, 3866377.25	2.66E-04	4.20E-08	1.65E-08	2.72E-04	4.28E-08	1.68E-08	2.71E-04	4.28E-08	1.68E-08
5344	485863.09, 3866377.25	2.73E-04	4.30E-08	1.69E-08	2.78E-04	4.39E-08	1.72E-08	2.78E-04	4.38E-08	1.72E-08
5345	486363.09, 3866377.25	2.78E-04	4.39E-08	1.72E-08	2.84E-04	4.48E-08	1.76E-08	2.84E-04	4.47E-08	1.76E-08
5346	486863.09, 3866377.25	2.84E-04	4.47E-08	1.76E-08	2.90E-04	4.56E-08	1.79E-08	2.89E-04	4.56E-08	1.79E-08
5347	487363.09, 3866377.25	2.92E-04	4.60E-08	1.81E-08	2.98E-04	4.70E-08	1.85E-08	2.98E-04	4.69E-08	1.84E-08
5348	487863.09, 3866377.25	2.97E-04	4.68E-08	1.84E-08	3.03E-04	4.77E-08	1.88E-08	3.03E-04	4.77E-08	1.87E-08
5349	488363.09, 3866377.25	3.00E-04	4.72E-08	1.85E-08	3.06E-04	4.82E-08	1.89E-08	3.05E-04	4.81E-08	1.89E-08
5350	488863.09, 3866377.25	2.97E-04	4.68E-08	1.84E-08	3.03E-04	4.77E-08	1.88E-08	3.03E-04	4.77E-08	1.87E-08
5351	489363.09, 3866377.25	2.91E-04	4.59E-08	1.80E-08	2.97E-04	4.68E-08	1.84E-08	2.97E-04	4.68E-08	1.84E-08

5352	489863.09, 3866377.25	2.80E-04	4.41E-08	1.73E-08	2.85E-04	4.50E-08	1.77E-08	2.85E-04	4.49E-08	1.76E-08
5353	490363.09, 3866377.25	2.97E-04	4.67E-08	1.84E-08	3.03E-04	4.77E-08	1.87E-08	3.02E-04	4.76E-08	1.87E-08
5354	490863.09, 3866377.25	2.94E-04	4.63E-08	1.82E-08	3.00E-04	4.72E-08	1.86E-08	2.99E-04	4.72E-08	1.85E-08
5355	491363.09, 3866377.25	2.88E-04	4.54E-08	1.78E-08	2.94E-04	4.63E-08	1.82E-08	2.93E-04	4.62E-08	1.82E-08
5356	491863.09, 3866377.25	2.43E-04	3.82E-08	1.50E-08	2.47E-04	3.90E-08	1.53E-08	2.47E-04	3.89E-08	1.53E-08
5357	492363.09, 3866377.25	2.46E-04	3.88E-08	1.52E-08	2.51E-04	3.96E-08	1.56E-08	2.51E-04	3.96E-08	1.55E-08
5358	492863.09, 3866377.25	2.17E-04	3.43E-08	1.35E-08	2.22E-04	3.50E-08	1.37E-08	2.22E-04	3.49E-08	1.37E-08
5359	493363.09, 3866377.25	2.27E-04	3.58E-08	1.41E-08	2.32E-04	3.65E-08	1.43E-08	2.32E-04	3.65E-08	1.43E-08
5360	493863.09, 3866377.25	2.41E-04	3.80E-08	1.49E-08	2.46E-04	3.88E-08	1.52E-08	2.46E-04	3.87E-08	1.52E-08
5361	494363.09, 3866377.25	2.62E-04	4.13E-08	1.62E-08	2.68E-04	4.22E-08	1.66E-08	2.67E-04	4.21E-08	1.65E-08
5362	494863.09, 3866377.25	2.61E-04	4.11E-08	1.61E-08	2.66E-04	4.19E-08	1.65E-08	2.66E-04	4.19E-08	1.64E-08
5363	495363.09, 3866377.25	2.59E-04	4.08E-08	1.60E-08	2.64E-04	4.16E-08	1.63E-08	2.64E-04	4.15E-08	1.63E-08
5364	495863.09, 3866377.25	2.56E-04	4.03E-08	1.58E-08	2.61E-04	4.11E-08	1.62E-08	2.61E-04	4.11E-08	1.61E-08
5365	496363.09, 3866377.25	2.60E-04	4.10E-08	1.61E-08	2.66E-04	4.18E-08	1.64E-08	2.65E-04	4.18E-08	1.64E-08
5366	496863.09, 3866377.25	2.57E-04	4.05E-08	1.59E-08	2.62E-04	4.13E-08	1.62E-08	2.62E-04	4.13E-08	1.62E-08
5367	497363.09, 3866377.25	2.63E-04	4.14E-08	1.63E-08	2.68E-04	4.23E-08	1.66E-08	2.68E-04	4.22E-08	1.66E-08
5368	497863.09, 3866377.25	2.74E-04	4.31E-08	1.69E-08	2.79E-04	4.40E-08	1.73E-08	2.79E-04	4.40E-08	1.73E-08
5369	498363.09, 3866377.25	2.39E-04	3.76E-08	1.48E-08	2.44E-04	3.84E-08	1.51E-08	2.44E-04	3.84E-08	1.51E-08
5370	474494.92, 3848334.16	8.93E-02	1.41E-05	5.53E-06	9.12E-02	1.44E-05	5.64E-06	9.10E-02	1.43E-05	5.63E-06
5371	475167.27, 3848920.79	9.91E-02	1.56E-05	6.13E-06	1.01E-01	1.59E-05	6.26E-06	1.01E-01	1.59E-05	6.25E-06
5372	475297.89, 3848997.96	1.02E-01	1.60E-05	6.29E-06	1.04E-01	1.63E-05	6.42E-06	1.04E-01	1.63E-05	6.41E-06
5373	475439.05, 3849062	1.01E-01	1.59E-05	6.26E-06	1.03E-01	1.63E-05	6.39E-06	1.03E-01	1.62E-05	6.38E-06
5374	475486.86, 3849061.09	7.90E-02	1.25E-05	4.89E-06	8.07E-02	1.27E-05	4.99E-06	8.06E-02	1.27E-05	4.99E-06
5375	475538.46, 3849075.56	7.82E-02	1.23E-05	4.84E-06	7.98E-02	1.26E-05	4.94E-06	7.97E-02	1.25E-05	4.93E-06
5376	475751.79, 3849137.15	1.05E-01	1.65E-05	6.47E-06	1.07E-01	1.68E-05	6.61E-06	1.07E-01	1.68E-05	6.60E-06
5377	476303.62, 3849223.38	1.19E-01	1.88E-05	7.39E-06	1.22E-01	1.92E-05	7.54E-06	1.22E-01	1.92E-05	7.53E-06
5378	476304.51, 3849238.92	1.14E-01	1.79E-05	7.05E-06	1.16E-01	1.83E-05	7.19E-06	1.16E-01	1.83E-05	7.18E-06
5379	476365.04, 3849247.98	1.11E-01	1.76E-05	6.90E-06	1.14E-01	1.79E-05	7.04E-06	1.14E-01	1.79E-05	7.03E-06
5380	476444.86, 3849267.13	1.15E-01	1.80E-05	7.09E-06	1.17E-01	1.84E-05	7.24E-06	1.17E-01	1.84E-05	7.23E-06
5381	476550.75, 3849300.66	1.22E-01	1.93E-05	7.58E-06	1.25E-01	1.97E-05	7.73E-06	1.25E-01	1.97E-05	7.72E-06
5382	476656.71, 3849346.88	1.25E-01	1.97E-05	7.75E-06	1.28E-01	2.01E-05	7.91E-06	1.28E-01	2.01E-05	7.90E-06
5383	476873.55, 3849454.53	1.14E-01	1.80E-05	7.08E-06	1.17E-01	1.84E-05	7.23E-06	1.17E-01	1.84E-05	7.22E-06
5384	477700, 3849859.7	8.08E-02	1.27E-05	5.00E-06	8.25E-02	1.30E-05	5.10E-06	8.24E-02	1.30E-05	5.10E-06
5385	477743.16, 3849856.38	1.13E-01	1.79E-05	7.02E-06	1.16E-01	1.82E-05	7.16E-06	1.16E-01	1.82E-05	7.15E-06
5386	478477.35, 3850216.33	1.05E-01	1.66E-05	6.52E-06	1.07E-01	1.69E-05	6.65E-06	1.07E-01	1.69E-05	6.64E-06
5387	478485.8, 3850201.6	9.78E-02	1.54E-05	6.05E-06	9.98E-02	1.57E-05	6.17E-06	9.96E-02	1.57E-05	6.17E-06
5388	479113.21, 3850501.53	9.09E-02	1.43E-05	5.63E-06	9.28E-02	1.46E-05	5.74E-06	9.27E-02	1.46E-05	5.74E-06
5389	479108.11, 3850382.28	4.46E-02	7.02E-06	2.76E-06	4.55E-02	7.17E-06	2.82E-06	4.54E-02	7.16E-06	2.81E-06
5390	479689.85, 3850674.28	4.73E-02	7.45E-06	2.93E-06	4.83E-02	7.60E-06	2.99E-06	4.82E-02	7.60E-06	2.98E-06
5391	479952.42, 3850774.28	4.22E-02	6.65E-06	2.61E-06	4.31E-02	6.79E-06	2.67E-06	4.31E-02	6.78E-06	2.66E-06
5392	479911.32, 3850884.85	9.20E-02	1.45E-05	5.69E-06	9.39E-02	1.48E-05	5.81E-06	9.38E-02	1.48E-05	5.80E-06
5393	480500.92, 3851178.12	9.87E-02	1.55E-05	6.11E-06	1.01E-01	1.59E-05	6.23E-06	1.01E-01	1.58E-05	6.22E-06
5394	480738.01, 3851289.27	9.46E-02	1.49E-05	5.85E-06	9.65E-02	1.52E-05	5.97E-06	9.64E-02	1.52E-05	5.96E-06
5395	481055.42, 3851443.58	9.45E-02	1.49E-05	5.85E-06	9.65E-02	1.52E-05	5.97E-06	9.63E-02	1.52E-05	5.96E-06
5396	481110.22, 3851443.15	7.32E-02	1.15E-05	4.53E-06	7.47E-02	1.18E-05	4.62E-06	7.46E-02	1.18E-05	4.62E-06
5397	481111.1, 3851417.45	6.17E-02	9.73E-06	3.82E-06	6.30E-02	9.92E-06	3.90E-06	6.29E-02	9.91E-06	3.89E-06
5398	482248.44, 3852605.09	9.02E-02	1.42E-05	5.59E-06	9.21E-02	1.45E-05	5.70E-06	9.20E-02	1.45E-05	5.69E-06
5399	482273.34, 3852632.31	9.33E-02	1.47E-05	5.77E-06	9.52E-02	1.50E-05	5.89E-06	9.50E-02	1.50E-05	5.88E-06
5400	482665.46, 3853038.72	7.72E-02	1.22E-05	4.78E-06	7.87E-02	1.24E-05	4.87E-06	7.86E-02	1.24E-05	4.87E-06
5401	483077.95, 3853844.31	3.79E-03	5.97E-07	2.34E-07	3.87E-03	6.09E-07	2.39E-07	3.86E-03	6.08E-07	2.39E-07
5402	483121.38, 3853909.38	3.37E-03	5.31E-07	2.09E-07	3.44E-03	5.42E-07	2.13E-07	3.44E-03	5.42E-07	2.13E-07
5403	483492.64, 3853911.49	3.33E-03	5.25E-07	2.06E-07	3.40E-03	5.36E-07	2.10E-07	3.40E-03	5.35E-07	2.10E-07
5404	483498.29, 3854204.73	2.35E-03	3.70E-07	1.45E-07	2.39E-03	3.77E-07	1.48E-07	2.39E-03	3.77E-07	1.48E-07
5405	484132.44, 3854662.55	1.38E-03	2.18E-07	8.57E-08	1.41E-03	2.23E-07	8.74E-08	1.41E-03	2.22E-07	8.73E-08
5406	484627.62, 3854876.13	1.33E-03	2.10E-07	8.26E-08	1.36E-03	2.14E-07	8.42E-08	1.36E-03	2.14E-07	8.41E-08
5407	484756.14, 3854949.04	1.32E-03	2.08E-07	8.16E-08	1.35E-03	2.12E-07	8.33E-08	1.34E-03	2.12E-07	8.32E-08
5408	486697.51, 3856599.17	8.89E-04	1.40E-07	5.50E-08	9.07E-04	1.43E-07	5.61E-08	9.06E-04	1.43E-07	5.61E-08
5409	487105.31, 3856962.27	9.10E-04	1.43E-07	5.63E-08	9.29E-04	1.46E-07	5.75E-08	9.28E-04	1.46E-07	5.74E-08
5410	487157.57, 3856901.7	9.12E-04	1.44E-07	5.64E-08	9.31E-04	1.47E-07	5.76E-08	9.30E-04	1.46E-07	5.75E-08
5411	487173.5, 3856853.74	9.09E-04	1.43E-07	5.62E-08	9.27E-04	1.46E-07	5.74E-08	9.26E-04	1.46E-07	5.73E-08
5412	487564.41, 3856860.83	9.03E-04	1.42E-07	5.59E-08	9.21E-04	1.45E-07	5.70E-08	9.20E-04	1.45E-07	5.69E-08
5413	487563.31, 3856931.58	9.11E-04	1.43E-07	5.64E-08	9.29E-04	1.46E-07	5.75E-08	9.28E-04	1.46E-07	5.74E-08
5414	487782.7, 3856926.85	9.18E-04	1.45E-07	5.68E-08	9.37E-04	1.48E-07	5.80E-08	9.36E-04	1.47E-07	5.79E-08

5415 487782.39, 3856757.07	9.06E-04	1.43E-07	5.61E-08	9.25E-04	1.46E-07	5.72E-08	9.24E-04	1.46E-07	5.72E-08
5416 487917.26, 3856752.41	9.11E-04	1.43E-07	5.64E-08	9.29E-04	1.46E-07	5.75E-08	9.28E-04	1.46E-07	5.74E-08
5417 487919.57, 3856953.35	9.29E-04	1.46E-07	5.75E-08	9.48E-04	1.49E-07	5.87E-08	9.47E-04	1.49E-07	5.86E-08
5418 487932.76, 3857000.32	9.32E-04	1.47E-07	5.77E-08	9.51E-04	1.50E-07	5.89E-08	9.50E-04	1.50E-07	5.88E-08
5419 487960.5, 3857044.75	9.37E-04	1.48E-07	5.80E-08	9.56E-04	1.51E-07	5.92E-08	9.55E-04	1.50E-07	5.91E-08
5420 488016.54, 3857089.54	9.44E-04	1.49E-07	5.84E-08	9.64E-04	1.52E-07	5.96E-08	9.63E-04	1.52E-07	5.96E-08
5421 488114.39, 3857165.47	9.60E-04	1.51E-07	5.94E-08	9.80E-04	1.54E-07	6.06E-08	9.78E-04	1.54E-07	6.06E-08
5422 488171.49, 3857234.24	9.78E-04	1.54E-07	6.05E-08	9.98E-04	1.57E-07	6.17E-08	9.96E-04	1.57E-07	6.17E-08
5423 488193.16, 3857297.8	9.97E-04	1.57E-07	6.17E-08	1.02E-03	1.60E-07	6.30E-08	1.02E-03	1.60E-07	6.29E-08
5424 488189.27, 3857649.94	1.14E-03	1.79E-07	7.04E-08	1.16E-03	1.83E-07	7.19E-08	1.16E-03	1.83E-07	7.18E-08
5425 488127.43, 3857732.32	1.17E-03	1.85E-07	7.26E-08	1.20E-03	1.89E-07	7.41E-08	1.20E-03	1.88E-07	7.40E-08
5426 488149.93, 3857752.94	1.19E-03	1.87E-07	7.33E-08	1.21E-03	1.91E-07	7.48E-08	1.21E-03	1.90E-07	7.48E-08
5427 488144.76, 3857758.71	1.19E-03	1.87E-07	7.35E-08	1.21E-03	1.91E-07	7.50E-08	1.21E-03	1.91E-07	7.49E-08
5428 488335.58, 3857932.55	1.36E-03	2.15E-07	8.43E-08	1.39E-03	2.19E-07	8.60E-08	1.39E-03	2.19E-07	8.59E-08
5429 488372.29, 3857943.79	1.38E-03	2.18E-07	8.55E-08	1.41E-03	2.22E-07	8.72E-08	1.41E-03	2.22E-07	8.71E-08
5430 488828.64, 3857936.4	1.42E-03	2.24E-07	8.82E-08	1.45E-03	2.29E-07	9.00E-08	1.45E-03	2.29E-07	8.98E-08
5431 488829.08, 3857959.58	1.45E-03	2.28E-07	8.95E-08	1.48E-03	2.32E-07	9.13E-08	1.47E-03	2.32E-07	9.12E-08
5432 488351.61, 3857964.55	1.40E-03	2.20E-07	8.65E-08	1.43E-03	2.25E-07	8.82E-08	1.42E-03	2.24E-07	8.81E-08
5433 488316.87, 3857947.65	1.37E-03	2.16E-07	8.49E-08	1.40E-03	2.20E-07	8.66E-08	1.40E-03	2.20E-07	8.65E-08
5434 488129.1, 3857775.77	1.19E-03	1.88E-07	7.39E-08	1.22E-03	1.92E-07	7.54E-08	1.22E-03	1.92E-07	7.53E-08
5435 488062.53, 3857846.13	1.23E-03	1.94E-07	7.60E-08	1.25E-03	1.98E-07	7.76E-08	1.25E-03	1.97E-07	7.75E-08
5436 488330.41, 3858091.34	1.51E-03	2.38E-07	9.36E-08	1.54E-03	2.43E-07	9.55E-08	1.54E-03	2.43E-07	9.54E-08
5437 488470.87, 3858174.45	1.69E-03	2.67E-07	1.05E-07	1.73E-03	2.72E-07	1.07E-07	1.73E-03	2.72E-07	1.07E-07
5438 488568.9, 3858262.31	1.89E-03	2.98E-07	1.17E-07	1.93E-03	3.04E-07	1.20E-07	1.93E-03	3.04E-07	1.19E-07
5439 488964.27, 3858025.71	1.52E-03	2.40E-07	9.42E-08	1.55E-03	2.45E-07	9.62E-08	1.55E-03	2.44E-07	9.60E-08
5440 489147.25, 3857956.64	1.41E-03	2.22E-07	8.74E-08	1.44E-03	2.27E-07	8.91E-08	1.44E-03	2.27E-07	8.90E-08
5441 489343.52, 3857932.45	1.31E-03	2.06E-07	8.08E-08	1.33E-03	2.10E-07	8.25E-08	1.33E-03	2.10E-07	8.24E-08
5442 489866.19, 3857923.19	1.19E-03	1.88E-07	7.39E-08	1.22E-03	1.92E-07	7.55E-08	1.22E-03	1.92E-07	7.54E-08
5443 489955.65, 3857902.27	1.16E-03	1.83E-07	7.17E-08	1.18E-03	1.86E-07	7.32E-08	1.18E-03	1.86E-07	7.31E-08
5444 490079.44, 3857847.9	1.13E-03	1.78E-07	7.00E-08	1.15E-03	1.82E-07	7.14E-08	1.15E-03	1.81E-07	7.13E-08
5445 490108.49, 3857934.13	1.19E-03	1.88E-07	7.37E-08	1.22E-03	1.91E-07	7.52E-08	1.21E-03	1.91E-07	7.51E-08
5446 489884.48, 3858014.17	1.28E-03	2.02E-07	7.95E-08	1.31E-03	2.06E-07	8.11E-08	1.31E-03	2.06E-07	8.10E-08
5447 489326.56, 3858025.86	1.42E-03	2.24E-07	8.80E-08	1.45E-03	2.29E-07	8.98E-08	1.45E-03	2.28E-07	8.97E-08
5448 489130.38, 3858056.71	1.52E-03	2.39E-07	9.38E-08	1.55E-03	2.44E-07	9.57E-08	1.54E-03	2.43E-07	9.56E-08
5449 488936.49, 3858143.93	1.69E-03	2.66E-07	1.04E-07	1.72E-03	2.71E-07	1.06E-07	1.72E-03	2.71E-07	1.06E-07
5450 488638.08, 3858327.45	2.06E-03	3.24E-07	1.27E-07	2.10E-03	3.31E-07	1.30E-07	2.10E-03	3.30E-07	1.30E-07
5451 488663.79, 3858349.57	2.12E-03	3.34E-07	1.31E-07	2.17E-03	3.41E-07	1.34E-07	2.16E-03	3.41E-07	1.34E-07
5452 488694.56, 3858349.5	2.13E-03	3.35E-07	1.32E-07	2.17E-03	3.42E-07	1.34E-07	2.17E-03	3.42E-07	1.34E-07
5453 488694.35, 3858336.75	2.09E-03	3.29E-07	1.29E-07	2.13E-03	3.36E-07	1.32E-07	2.13E-03	3.36E-07	1.32E-07
5454 488712.81, 3858336.38	2.09E-03	3.30E-07	1.30E-07	2.14E-03	3.37E-07	1.32E-07	2.13E-03	3.36E-07	1.32E-07
5455 488713.23, 3858367.46	2.18E-03	3.44E-07	1.35E-07	2.23E-03	3.51E-07	1.38E-07	2.23E-03	3.51E-07	1.38E-07
5456 488704.63, 3858384.05	2.24E-03	3.52E-07	1.38E-07	2.28E-03	3.59E-07	1.41E-07	2.28E-03	3.59E-07	1.41E-07
5457 488604.15, 3858488.29	2.59E-03	4.08E-07	1.60E-07	2.64E-03	4.16E-07	1.63E-07	2.64E-03	4.16E-07	1.63E-07
5458 488605.66, 3858550.47	2.87E-03	4.52E-07	1.78E-07	2.93E-03	4.62E-07	1.81E-07	2.93E-03	4.61E-07	1.81E-07
5459 488692.68, 3858548.71	2.97E-03	4.67E-07	1.84E-07	3.03E-03	4.77E-07	1.87E-07	3.02E-03	4.76E-07	1.87E-07
5460 488759.93, 3858461.81	2.55E-03	4.01E-07	1.58E-07	2.60E-03	4.09E-07	1.61E-07	2.60E-03	4.09E-07	1.61E-07
5461 488816.57, 3858541.79	3.00E-03	4.73E-07	1.86E-07	3.06E-03	4.82E-07	1.89E-07	3.06E-03	4.82E-07	1.89E-07
5462 488944.63, 3858656.77	4.06E-03	6.40E-07	2.52E-07	4.15E-03	6.53E-07	2.57E-07	4.14E-03	6.53E-07	2.56E-07
5463 489134.91, 3858830.7	1.30E-02	2.04E-06	8.02E-07	1.32E-02	2.08E-06	8.18E-07	1.32E-02	2.08E-06	8.17E-07
5464 489193.99, 3858886.05	2.05E-02	3.22E-06	1.27E-06	2.09E-02	3.29E-06	1.29E-06	2.09E-02	3.29E-06	1.29E-06
5465 489295.2, 3858954.34	2.72E-02	4.28E-06	1.68E-06	2.77E-02	4.37E-06	1.72E-06	2.77E-02	4.36E-06	1.71E-06
5466 489295.64, 3858992.74	3.45E-02	5.43E-06	2.13E-06	3.52E-02	5.54E-06	2.18E-06	3.51E-02	5.54E-06	2.17E-06
5467 489183.74, 3858911.72	2.60E-02	4.09E-06	1.61E-06	2.65E-02	4.17E-06	1.64E-06	2.65E-02	4.17E-06	1.64E-06
5468 488873.37, 3858625.59	3.71E-03	5.84E-07	2.29E-07	3.78E-03	5.96E-07	2.34E-07	3.78E-03	5.95E-07	2.34E-07
5469 488842.84, 3858658.69	4.08E-03	6.43E-07	2.53E-07	4.16E-03	6.56E-07	2.58E-07	4.16E-03	6.55E-07	2.57E-07
5470 488856.39, 3858670.93	4.26E-03	6.71E-07	2.63E-07	4.34E-03	6.84E-07	2.69E-07	4.34E-03	6.84E-07	2.69E-07
5471 488805.7, 3858724.5	5.14E-03	8.10E-07	3.18E-07	5.25E-03	8.26E-07	3.25E-07	5.24E-03	8.25E-07	3.24E-07
5472 488805.87, 3858804.16	7.97E-03	1.25E-06	4.93E-07	8.13E-03	1.28E-06	5.03E-07	8.12E-03	1.28E-06	5.02E-07
5473 488995.78, 3858936.96	7.31E-02	1.15E-05	4.52E-06	7.46E-02	1.18E-05	4.62E-06	7.45E-02	1.17E-05	4.61E-06
5474 489130.76, 3859017.38	8.20E-02	1.29E-05	5.08E-06	8.37E-02	1.32E-05	5.18E-06	8.36E-02	1.32E-05	5.17E-06
5475 489130.92, 3859052.24	7.25E-02	1.14E-05	4.49E-06	7.40E-02	1.17E-05	4.58E-06	7.39E-02	1.16E-05	4.57E-06
5476 489200.33, 3859090.6	9.23E-02	1.45E-05	5.71E-06	9.41E-02	1.48E-05	5.83E-06	9.40E-02	1.48E-05	5.82E-06
5477 489296.07, 3859143.7	9.94E-02	1.57E-05	6.15E-06	1.01E-01	1.60E-05	6.28E-06	1.01E-01	1.60E-05	6.27E-06

5478	489296.43, 3858954.74	2.72E-02	4.28E-06	1.68E-06	2.77E-02	4.37E-06	1.72E-06	2.77E-02	4.36E-06	1.71E-06
5479	489410.33, 3859033.19	3.22E-02	5.08E-06	2.00E-06	3.29E-02	5.18E-06	2.04E-06	3.29E-02	5.18E-06	2.03E-06
5480	489371.37, 3859089.8	4.96E-02	7.82E-06	3.07E-06	5.06E-02	7.98E-06	3.13E-06	5.06E-02	7.97E-06	3.13E-06
5481	489390.52, 3859102.82	5.06E-02	7.98E-06	3.13E-06	5.17E-02	8.14E-06	3.20E-06	5.16E-02	8.13E-06	3.19E-06
5482	489382.3, 3859114.53	5.65E-02	8.90E-06	3.50E-06	5.76E-02	9.08E-06	3.57E-06	5.76E-02	9.07E-06	3.56E-06
5483	489363.04, 3859102.45	5.57E-02	8.77E-06	3.44E-06	5.68E-02	8.95E-06	3.52E-06	5.67E-02	8.94E-06	3.51E-06
5484	489337.52, 3859140.71	8.58E-02	1.35E-05	5.31E-06	8.75E-02	1.38E-05	5.42E-06	8.74E-02	1.38E-05	5.41E-06
5485	489375.14, 3859164.55	9.05E-02	1.43E-05	5.60E-06	9.24E-02	1.46E-05	5.72E-06	9.23E-02	1.45E-05	5.71E-06
5486	489409.3, 3859114.5	5.14E-02	8.09E-06	3.18E-06	5.24E-02	8.26E-06	3.24E-06	5.23E-02	8.25E-06	3.24E-06
5487	489434.87, 3859131.81	5.30E-02	8.34E-06	3.28E-06	5.40E-02	8.51E-06	3.34E-06	5.40E-02	8.50E-06	3.34E-06
5488	489471.87, 3859075.75	3.45E-02	5.44E-06	2.14E-06	3.52E-02	5.55E-06	2.18E-06	3.52E-02	5.54E-06	2.18E-06
5489	489602.62, 3859164.69	3.95E-02	6.23E-06	2.45E-06	4.04E-02	6.36E-06	2.50E-06	4.03E-02	6.35E-06	2.49E-06
5490	489558.29, 3859232.45	7.02E-02	1.11E-05	4.35E-06	7.17E-02	1.13E-05	4.44E-06	7.16E-02	1.13E-05	4.43E-06
5491	489620.11, 3859273.56	7.55E-02	1.19E-05	4.67E-06	7.71E-02	1.21E-05	4.77E-06	7.70E-02	1.21E-05	4.76E-06
5492	489666.06, 3859206.42	4.18E-02	6.58E-06	2.59E-06	4.26E-02	6.72E-06	2.64E-06	4.26E-02	6.71E-06	2.64E-06
5493	489787.9, 3859285.65	4.58E-02	7.21E-06	2.83E-06	4.67E-02	7.36E-06	2.89E-06	4.67E-02	7.35E-06	2.89E-06
5494	489752.17, 3859343.13	7.53E-02	1.19E-05	4.66E-06	7.68E-02	1.21E-05	4.76E-06	7.68E-02	1.21E-05	4.75E-06
5495	489814.94, 3859385.33	8.12E-02	1.28E-05	5.03E-06	8.29E-02	1.31E-05	5.13E-06	8.28E-02	1.30E-05	5.12E-06
5496	489853.42, 3859330.74	4.86E-02	7.66E-06	3.01E-06	4.96E-02	7.81E-06	3.07E-06	4.95E-02	7.81E-06	3.07E-06
5497	489969.5, 3859401.91	5.16E-02	8.13E-06	3.19E-06	5.26E-02	8.29E-06	3.26E-06	5.26E-02	8.28E-06	3.25E-06
5498	490166.91, 3859486.96	4.79E-02	7.54E-06	2.96E-06	4.89E-02	7.70E-06	3.02E-06	4.88E-02	7.69E-06	3.02E-06
5499	490128.86, 3859571.46	1.11E-01	1.75E-05	6.89E-06	1.14E-01	1.79E-05	7.03E-06	1.13E-01	1.79E-05	7.02E-06
5500	490186.65, 3859593.65	1.13E-01	1.78E-05	7.00E-06	1.15E-01	1.82E-05	7.15E-06	1.15E-01	1.82E-05	7.14E-06
5501	490223.74, 3859517.48	4.96E-02	7.81E-06	3.07E-06	5.06E-02	7.97E-06	3.13E-06	5.05E-02	7.96E-06	3.13E-06
5502	490846.34, 3859817.22	7.34E-02	1.16E-05	4.54E-06	7.49E-02	1.18E-05	4.64E-06	7.48E-02	1.18E-05	4.63E-06
5503	490925.65, 3859844.59	6.81E-02	1.07E-05	4.21E-06	6.95E-02	1.09E-05	4.30E-06	6.94E-02	1.09E-05	4.29E-06
5504	491159.29, 3859896.28	4.94E-02	7.79E-06	3.06E-06	5.05E-02	7.95E-06	3.12E-06	5.04E-02	7.94E-06	3.12E-06
5505	491370.69, 3859960.89	3.71E-02	5.84E-06	2.29E-06	3.78E-02	5.96E-06	2.34E-06	3.78E-02	5.95E-06	2.34E-06
5506	491330.28, 3860063.17	5.85E-02	9.22E-06	3.62E-06	5.97E-02	9.41E-06	3.70E-06	5.96E-02	9.40E-06	3.69E-06
5507	491636.45, 3860180.75	3.72E-02	5.86E-06	2.30E-06	3.79E-02	5.98E-06	2.35E-06	3.79E-02	5.97E-06	2.35E-06
5508	491617.94, 3860203.93	4.20E-02	6.62E-06	2.60E-06	4.29E-02	6.75E-06	2.65E-06	4.28E-02	6.74E-06	2.65E-06
5509	491805.68, 3860271.59	3.27E-02	5.16E-06	2.03E-06	3.34E-02	5.26E-06	2.07E-06	3.34E-02	5.26E-06	2.06E-06
5510	491654.23, 3860414.02	5.70E-02	8.97E-06	3.53E-06	5.81E-02	9.16E-06	3.60E-06	5.81E-02	9.15E-06	3.59E-06
5511	491592.62, 3860510.76	1.94E-02	3.06E-06	1.20E-06	1.98E-02	3.13E-06	1.23E-06	1.98E-02	3.12E-06	1.23E-06
5512	491475.41, 3860368.93	2.99E-02	4.71E-06	1.85E-06	3.05E-02	4.81E-06	1.89E-06	3.05E-02	4.80E-06	1.89E-06
5513	491445.61, 3860337.28	3.28E-02	5.16E-06	2.03E-06	3.35E-02	5.27E-06	2.07E-06	3.34E-02	5.26E-06	2.07E-06
5514	491399.05, 3860300.37	3.44E-02	5.42E-06	2.13E-06	3.51E-02	5.53E-06	2.17E-06	3.50E-02	5.52E-06	2.17E-06
5515	491228.84, 3860235.98	2.32E-02	3.66E-06	1.44E-06	2.37E-02	3.74E-06	1.47E-06	2.37E-02	3.73E-06	1.47E-06
5516	491228.47, 3860174.57	3.66E-02	5.77E-06	2.27E-06	3.74E-02	5.89E-06	2.31E-06	3.73E-02	5.88E-06	2.31E-06
5517	491145.77, 3860112.55	3.77E-02	5.93E-06	2.33E-06	3.84E-02	6.05E-06	2.38E-06	3.84E-02	6.05E-06	2.38E-06
5518	490844.41, 3859966.22	3.59E-02	5.66E-06	2.22E-06	3.66E-02	5.77E-06	2.27E-06	3.66E-02	5.77E-06	2.27E-06
5519	490845.55, 3859928.15	5.71E-02	9.00E-06	3.53E-06	5.83E-02	9.18E-06	3.61E-06	5.82E-02	9.17E-06	3.60E-06
5520	490046.91, 3859625.6	4.40E-02	6.93E-06	2.72E-06	4.49E-02	7.08E-06	2.78E-06	4.49E-02	7.07E-06	2.78E-06
5521	489970.48, 3859589.4	4.40E-02	6.93E-06	2.72E-06	4.49E-02	7.08E-06	2.78E-06	4.49E-02	7.07E-06	2.78E-06
5522	489865.89, 3859529.06	4.68E-02	7.37E-06	2.90E-06	4.78E-02	7.52E-06	2.96E-06	4.77E-02	7.51E-06	2.95E-06
5523	489826.89, 3859531.74	3.61E-02	5.68E-06	2.23E-06	3.68E-02	5.80E-06	2.28E-06	3.68E-02	5.79E-06	2.28E-06
5524	489410.47, 3859303.06	3.47E-02	5.47E-06	2.15E-06	3.54E-02	5.58E-06	2.19E-06	3.54E-02	5.58E-06	2.19E-06
5525	489407.15, 3859286.09	4.09E-02	6.45E-06	2.53E-06	4.18E-02	6.58E-06	2.58E-06	4.17E-02	6.57E-06	2.58E-06
5526	488806.07, 3858963.62	1.64E-02	2.58E-06	1.01E-06	1.67E-02	2.63E-06	1.03E-06	1.67E-02	2.63E-06	1.03E-06
5527	488817.64, 3859546.3	4.97E-03	7.82E-07	3.07E-07	5.07E-03	7.98E-07	3.14E-07	5.06E-03	7.97E-07	3.13E-07
5528	489187.25, 3859549.52	7.76E-03	1.22E-06	4.80E-07	7.92E-03	1.25E-06	4.90E-07	7.91E-03	1.25E-06	4.90E-07
5529	489187.66, 3859523.74	8.18E-03	1.29E-06	5.06E-07	8.35E-03	1.32E-06	5.17E-07	8.34E-03	1.31E-06	5.16E-07
5530	489232.59, 3859522.85	8.80E-03	1.39E-06	5.44E-07	8.98E-03	1.41E-06	5.55E-07	8.96E-03	1.41E-06	5.55E-07
5531	489224.98, 3859759.91	5.70E-03	8.98E-07	3.53E-07	5.81E-03	9.16E-07	3.60E-07	5.81E-03	9.15E-07	3.59E-07
5532	488401.39, 3859763.34	2.74E-03	4.31E-07	1.69E-07	2.79E-03	4.40E-07	1.73E-07	2.79E-03	4.39E-07	1.73E-07
5533	488405.51, 3859966.16	2.44E-03	3.84E-07	1.51E-07	2.49E-03	3.92E-07	1.54E-07	2.48E-03	3.91E-07	1.54E-07
5534	489202.85, 3859956.57	4.37E-03	6.89E-07	2.71E-07	4.46E-03	7.03E-07	2.76E-07	4.46E-03	7.02E-07	2.76E-07
5535	489191.9, 3860676.74	2.25E-03	3.54E-07	1.39E-07	2.29E-03	3.61E-07	1.42E-07	2.29E-03	3.61E-07	1.42E-07
5536	488392.82, 3860687.88	1.66E-03	2.61E-07	1.03E-07	1.69E-03	2.67E-07	1.05E-07	1.69E-03	2.66E-07	1.05E-07
5537	488392.82, 3860760.27	1.61E-03	2.54E-07	9.97E-08	1.64E-03	2.59E-07	1.02E-07	1.64E-03	2.59E-07	1.02E-07
5538	487549.05, 3860777.45	1.16E-03	1.83E-07	7.18E-08	1.18E-03	1.86E-07	7.33E-08	1.18E-03	1.86E-07	7.32E-08
5539	487554.62, 3859571.83	1.65E-03	2.59E-07	1.02E-07	1.68E-03	2.65E-07	1.04E-07	1.68E-03	2.64E-07	1.04E-07
5540	485949.46, 3859558.54	8.62E-04	1.36E-07	5.34E-08	8.80E-04	1.39E-07	5.45E-08	8.79E-04	1.38E-07	5.44E-08

5541 485947.55, 3857943.61	8.71E-04	1.37E-07	5.39E-08	8.89E-04	1.40E-07	5.50E-08	8.88E-04	1.40E-07	5.50E-08
5542 484738.38, 3857940.21	7.75E-04	1.22E-07	4.80E-08	7.91E-04	1.25E-07	4.90E-08	7.90E-04	1.24E-07	4.89E-08
5543 484737.06, 3857535.68	7.71E-04	1.22E-07	4.77E-08	7.87E-04	1.24E-07	4.87E-08	7.86E-04	1.24E-07	4.87E-08
5544 483730.2, 3857530.13	7.44E-04	1.17E-07	4.60E-08	7.59E-04	1.20E-07	4.70E-08	7.58E-04	1.19E-07	4.69E-08
5545 483727.27, 3857130.01	7.66E-04	1.21E-07	4.74E-08	7.82E-04	1.23E-07	4.84E-08	7.81E-04	1.23E-07	4.83E-08
5546 483124.42, 3857123.45	7.51E-04	1.18E-07	4.65E-08	7.66E-04	1.21E-07	4.74E-08	7.66E-04	1.21E-07	4.74E-08
5547 483111.13, 3855921.03	9.82E-04	1.55E-07	6.08E-08	1.00E-03	1.58E-07	6.20E-08	1.00E-03	1.58E-07	6.20E-08
5548 482701.73, 3855918.24	9.74E-04	1.53E-07	6.03E-08	9.94E-04	1.57E-07	6.15E-08	9.93E-04	1.56E-07	6.14E-08
5549 482668.02, 3853521.78	9.81E-03	1.55E-06	6.07E-07	1.00E-02	1.58E-06	6.19E-07	1.00E-02	1.57E-06	6.19E-07
5550 482579.91, 3853219.19	1.97E-02	3.10E-06	1.22E-06	2.01E-02	3.16E-06	1.24E-06	2.00E-02	3.16E-06	1.24E-06
5551 482434.06, 3852961.94	2.69E-02	4.24E-06	1.67E-06	2.75E-02	4.33E-06	1.70E-06	2.74E-02	4.32E-06	1.70E-06
5552 482332.11, 3852832.85	3.11E-02	4.90E-06	1.92E-06	3.17E-02	5.00E-06	1.96E-06	3.17E-02	4.99E-06	1.96E-06
5553 481334.99, 3851818.96	3.12E-02	4.91E-06	1.93E-06	3.18E-02	5.01E-06	1.97E-06	3.18E-02	5.00E-06	1.97E-06
5554 481127.62, 3851646.36	3.28E-02	5.17E-06	2.03E-06	3.35E-02	5.28E-06	2.07E-06	3.35E-02	5.27E-06	2.07E-06
5555 481025.04, 3851591.73	3.07E-02	4.84E-06	1.90E-06	3.13E-02	4.93E-06	1.94E-06	3.13E-02	4.93E-06	1.94E-06
5556 480513.6, 3851335.76	3.08E-02	4.84E-06	1.90E-06	3.14E-02	4.94E-06	1.94E-06	3.13E-02	4.94E-06	1.94E-06
5557 480523.56, 3851317.66	3.61E-02	5.69E-06	2.24E-06	3.69E-02	5.81E-06	2.28E-06	3.68E-02	5.80E-06	2.28E-06
5558 476921.56, 3849569.11	3.82E-02	6.02E-06	2.37E-06	3.90E-02	6.15E-06	2.41E-06	3.90E-02	6.14E-06	2.41E-06
5559 476521.19, 3849373.96	5.09E-02	8.02E-06	3.15E-06	5.20E-02	8.19E-06	3.22E-06	5.19E-02	8.18E-06	3.21E-06
5560 476391.45, 3849333.38	5.22E-02	8.22E-06	3.23E-06	5.32E-02	8.39E-06	3.29E-06	5.32E-02	8.38E-06	3.29E-06
5561 476219.41, 3849304.29	4.98E-02	7.85E-06	3.08E-06	5.08E-02	8.01E-06	3.15E-06	5.08E-02	8.00E-06	3.14E-06
5562 475679.11, 3849218.47	4.39E-02	6.91E-06	2.71E-06	4.48E-02	7.05E-06	2.77E-06	4.47E-02	7.04E-06	2.77E-06
5563 475677.71, 3849233.88	3.62E-02	5.70E-06	2.24E-06	3.69E-02	5.82E-06	2.29E-06	3.69E-02	5.81E-06	2.28E-06
5564 475492.74, 3849204.66	2.30E-02	3.63E-06	1.43E-06	2.35E-02	3.70E-06	1.45E-06	2.35E-02	3.70E-06	1.45E-06
5565 475497.64, 3849158.75	5.62E-02	8.85E-06	3.48E-06	5.73E-02	9.03E-06	3.55E-06	5.73E-02	9.02E-06	3.55E-06
5566 475391.35, 3849141.94	3.84E-02	6.05E-06	2.38E-06	3.92E-02	6.17E-06	2.42E-06	3.91E-02	6.16E-06	2.42E-06
5567 475277, 3849095.47	3.31E-02	5.21E-06	2.05E-06	3.38E-02	5.32E-06	2.09E-06	3.37E-02	5.31E-06	2.09E-06
5568 475183.93, 3849025.66	3.81E-02	6.00E-06	2.36E-06	3.89E-02	6.13E-06	2.41E-06	3.88E-02	6.12E-06	2.40E-06
5569 474453.23, 3848378.77	4.34E-02	6.84E-06	2.69E-06	4.43E-02	6.98E-06	2.74E-06	4.43E-02	6.97E-06	2.74E-06
5570 474569.63, 3848399.34	8.30E-02	1.31E-05	5.13E-06	8.47E-02	1.33E-05	5.24E-06	8.46E-02	1.33E-05	5.23E-06
5571 474644.33, 3848464.52	7.67E-02	1.21E-05	4.74E-06	7.82E-02	1.23E-05	4.84E-06	7.81E-02	1.23E-05	4.83E-06
5572 474719.04, 3848529.7	9.98E-02	1.57E-05	6.18E-06	1.02E-01	1.60E-05	6.31E-06	1.02E-01	1.60E-05	6.30E-06
5573 474793.74, 3848594.88	8.53E-02	1.34E-05	5.28E-06	8.71E-02	1.37E-05	5.39E-06	8.70E-02	1.37E-05	5.38E-06
5574 474868.45, 3848660.07	9.88E-02	1.56E-05	6.11E-06	1.01E-01	1.59E-05	6.24E-06	1.01E-01	1.59E-05	6.23E-06
5575 474943.15, 3848725.25	9.85E-02	1.55E-05	6.10E-06	1.00E-01	1.58E-05	6.22E-06	1.00E-01	1.58E-05	6.21E-06
5576 475017.86, 3848790.43	9.92E-02	1.56E-05	6.14E-06	1.01E-01	1.60E-05	6.27E-06	1.01E-01	1.59E-05	6.26E-06
5577 475092.56, 3848855.61	9.92E-02	1.56E-05	6.14E-06	1.01E-01	1.59E-05	6.27E-06	1.01E-01	1.59E-05	6.26E-06
5578 475232.58, 3848959.38	9.56E-02	1.51E-05	5.92E-06	9.76E-02	1.54E-05	6.04E-06	9.74E-02	1.54E-05	6.03E-06
5579 475368.47, 3849029.98	9.78E-02	1.54E-05	6.05E-06	9.98E-02	1.57E-05	6.17E-06	9.96E-02	1.57E-05	6.17E-06
5580 475609.57, 3849096.09	8.23E-02	1.30E-05	5.10E-06	8.40E-02	1.32E-05	5.20E-06	8.39E-02	1.32E-05	5.19E-06
5581 475680.68, 3849116.62	9.12E-02	1.44E-05	5.64E-06	9.30E-02	1.47E-05	5.76E-06	9.29E-02	1.46E-05	5.75E-06
5582 475843.76, 3849151.52	1.09E-01	1.72E-05	6.75E-06	1.11E-01	1.75E-05	6.89E-06	1.11E-01	1.75E-05	6.88E-06
5583 475935.73, 3849165.89	1.05E-01	1.65E-05	6.47E-06	1.07E-01	1.68E-05	6.60E-06	1.07E-01	1.68E-05	6.59E-06
5584 476027.71, 3849180.27	1.06E-01	1.67E-05	6.56E-06	1.08E-01	1.70E-05	6.69E-06	1.08E-01	1.70E-05	6.68E-06
5585 476119.68, 3849194.64	1.19E-01	1.88E-05	7.39E-06	1.22E-01	1.92E-05	7.54E-06	1.22E-01	1.92E-05	7.54E-06
5586 476211.65, 3849209.01	1.24E-01	1.96E-05	7.69E-06	1.27E-01	2.00E-05	7.85E-06	1.27E-01	2.00E-05	7.84E-06
5587 476497.81, 3849283.9	1.16E-01	1.82E-05	7.17E-06	1.18E-01	1.86E-05	7.31E-06	1.18E-01	1.86E-05	7.30E-06
5588 476603.73, 3849323.77	1.24E-01	1.95E-05	7.65E-06	1.26E-01	1.99E-05	7.81E-06	1.26E-01	1.98E-05	7.80E-06
5589 476728.99, 3849382.76	9.63E-02	1.52E-05	5.96E-06	9.83E-02	1.55E-05	6.08E-06	9.81E-02	1.55E-05	6.07E-06
5590 476801.27, 3849418.65	1.01E-01	1.59E-05	6.26E-06	1.03E-01	1.63E-05	6.39E-06	1.03E-01	1.62E-05	6.38E-06
5591 476956.2, 3849495.05	1.10E-01	1.73E-05	6.80E-06	1.12E-01	1.77E-05	6.94E-06	1.12E-01	1.76E-05	6.93E-06
5592 477038.84, 3849535.56	1.03E-01	1.62E-05	6.38E-06	1.05E-01	1.66E-05	6.51E-06	1.05E-01	1.66E-05	6.50E-06
5593 477121.49, 3849576.08	1.01E-01	1.59E-05	6.26E-06	1.03E-01	1.63E-05	6.39E-06	1.03E-01	1.62E-05	6.38E-06
5594 477204.13, 3849616.6	9.85E-02	1.55E-05	6.09E-06	1.00E-01	1.58E-05	6.22E-06	1.00E-01	1.58E-05	6.21E-06
5595 477286.78, 3849657.12	9.20E-02	1.45E-05	5.69E-06	9.38E-02	1.48E-05	5.81E-06	9.37E-02	1.48E-05	5.80E-06
5596 477369.42, 3849697.63	8.94E-02	1.41E-05	5.53E-06	9.12E-02	1.44E-05	5.64E-06	9.11E-02	1.43E-05	5.64E-06
5597 477452.07, 3849738.15	9.10E-02	1.43E-05	5.63E-06	9.28E-02	1.46E-05	5.75E-06	9.27E-02	1.46E-05	5.74E-06
5598 477534.71, 3849778.67	8.71E-02	1.37E-05	5.39E-06	8.89E-02	1.40E-05	5.50E-06	8.88E-02	1.40E-05	5.50E-06
5599 477617.36, 3849819.18	8.67E-02	1.37E-05	5.36E-06	8.84E-02	1.39E-05	5.47E-06	8.83E-02	1.39E-05	5.47E-06
5600 477824.74, 3849896.37	1.09E-01	1.72E-05	6.75E-06	1.11E-01	1.75E-05	6.89E-06	1.11E-01	1.75E-05	6.88E-06
5601 477906.31, 3849936.37	1.17E-01	1.84E-05	7.23E-06	1.19E-01	1.88E-05	7.38E-06	1.19E-01	1.88E-05	7.37E-06
5602 477987.89, 3849976.36	1.14E-01	1.79E-05	7.02E-06	1.16E-01	1.82E-05	7.17E-06	1.16E-01	1.82E-05	7.16E-06
5603 478069.47, 3850016.36	1.18E-01	1.86E-05	7.31E-06	1.20E-01	1.90E-05	7.45E-06	1.20E-01	1.90E-05	7.45E-06

5604 478151.04, 3850056.35	1.06E-01	1.66E-05	6.53E-06	1.08E-01	1.70E-05	6.66E-06	1.08E-01	1.69E-05	6.66E-06
5605 478232.62, 3850096.35	1.06E-01	1.67E-05	6.56E-06	1.08E-01	1.70E-05	6.70E-06	1.08E-01	1.70E-05	6.69E-06
5606 478314.2, 3850136.34	1.06E-01	1.67E-05	6.54E-06	1.08E-01	1.70E-05	6.68E-06	1.08E-01	1.70E-05	6.67E-06
5607 478395.77, 3850176.34	1.05E-01	1.65E-05	6.50E-06	1.07E-01	1.69E-05	6.63E-06	1.07E-01	1.69E-05	6.63E-06
5608 478575.43, 3850244.45	9.63E-02	1.52E-05	5.96E-06	9.83E-02	1.55E-05	6.08E-06	9.81E-02	1.55E-05	6.07E-06
5609 478665.06, 3850287.29	9.56E-02	1.51E-05	5.92E-06	9.76E-02	1.54E-05	6.04E-06	9.75E-02	1.54E-05	6.03E-06
5610 478754.69, 3850330.14	9.47E-02	1.49E-05	5.86E-06	9.66E-02	1.52E-05	5.98E-06	9.65E-02	1.52E-05	5.97E-06
5611 478844.32, 3850372.99	9.25E-02	1.46E-05	5.73E-06	9.44E-02	1.49E-05	5.84E-06	9.43E-02	1.49E-05	5.84E-06
5612 478933.95, 3850415.84	8.95E-02	1.41E-05	5.54E-06	9.13E-02	1.44E-05	5.65E-06	9.12E-02	1.44E-05	5.64E-06
5613 479023.58, 3850458.68	9.27E-02	1.46E-05	5.74E-06	9.46E-02	1.49E-05	5.86E-06	9.45E-02	1.49E-05	5.85E-06
5614 479110.66, 3850441.91	5.87E-02	9.25E-06	3.63E-06	5.99E-02	9.43E-06	3.71E-06	5.98E-02	9.42E-06	3.70E-06
5615 479191.22, 3850423.99	4.47E-02	7.04E-06	2.77E-06	4.56E-02	7.19E-06	2.82E-06	4.56E-02	7.18E-06	2.82E-06
5616 479274.32, 3850465.71	4.54E-02	7.16E-06	2.81E-06	4.64E-02	7.30E-06	2.87E-06	4.63E-02	7.29E-06	2.87E-06
5617 479357.43, 3850507.42	4.64E-02	7.31E-06	2.87E-06	4.73E-02	7.46E-06	2.93E-06	4.73E-02	7.45E-06	2.93E-06
5618 479440.53, 3850549.14	4.66E-02	7.34E-06	2.88E-06	4.76E-02	7.49E-06	2.94E-06	4.75E-02	7.48E-06	2.94E-06
5619 479523.64, 3850590.85	4.67E-02	7.36E-06	2.89E-06	4.77E-02	7.51E-06	2.95E-06	4.76E-02	7.50E-06	2.95E-06
5620 479606.74, 3850632.57	4.71E-02	7.42E-06	2.91E-06	4.80E-02	7.57E-06	2.97E-06	4.80E-02	7.56E-06	2.97E-06
5621 479777.37, 3850707.61	4.53E-02	7.14E-06	2.81E-06	4.63E-02	7.29E-06	2.86E-06	4.62E-02	7.28E-06	2.86E-06
5622 479864.9, 3850740.95	4.38E-02	6.90E-06	2.71E-06	4.47E-02	7.04E-06	2.76E-06	4.46E-02	7.03E-06	2.76E-06
5623 479931.87, 3850829.57	5.72E-02	9.01E-06	3.54E-06	5.83E-02	9.19E-06	3.61E-06	5.83E-02	9.18E-06	3.61E-06
5624 479995.55, 3850926.75	9.13E-02	1.44E-05	5.65E-06	9.32E-02	1.47E-05	5.77E-06	9.30E-02	1.47E-05	5.76E-06
5625 480079.78, 3850968.64	9.11E-02	1.44E-05	5.64E-06	9.30E-02	1.46E-05	5.75E-06	9.29E-02	1.46E-05	5.75E-06
5626 480164.01, 3851010.54	9.07E-02	1.43E-05	5.62E-06	9.26E-02	1.46E-05	5.73E-06	9.25E-02	1.46E-05	5.72E-06
5627 480248.23, 3851052.43	8.98E-02	1.41E-05	5.56E-06	9.16E-02	1.44E-05	5.67E-06	9.15E-02	1.44E-05	5.66E-06
5628 480332.46, 3851094.33	9.09E-02	1.43E-05	5.62E-06	9.27E-02	1.46E-05	5.74E-06	9.26E-02	1.46E-05	5.73E-06
5629 480416.69, 3851136.22	9.55E-02	1.50E-05	5.91E-06	9.75E-02	1.54E-05	6.03E-06	9.74E-02	1.53E-05	6.03E-06
5630 480579.95, 3851215.17	9.76E-02	1.54E-05	6.04E-06	9.95E-02	1.57E-05	6.16E-06	9.94E-02	1.57E-05	6.15E-06
5631 480658.98, 3851252.22	9.66E-02	1.52E-05	5.98E-06	9.85E-02	1.55E-05	6.10E-06	9.84E-02	1.55E-05	6.09E-06
5632 480817.36, 3851327.85	9.54E-02	1.50E-05	5.91E-06	9.74E-02	1.53E-05	6.03E-06	9.73E-02	1.53E-05	6.02E-06
5633 480896.72, 3851366.43	9.59E-02	1.51E-05	5.94E-06	9.79E-02	1.54E-05	6.06E-06	9.78E-02	1.54E-05	6.05E-06
5634 480976.07, 3851405	9.57E-02	1.51E-05	5.92E-06	9.77E-02	1.54E-05	6.05E-06	9.76E-02	1.54E-05	6.04E-06
5635 481178, 3851487.31	7.20E-02	1.13E-05	4.45E-06	7.34E-02	1.16E-05	4.54E-06	7.33E-02	1.16E-05	4.54E-06
5636 481244.9, 3851557.17	7.96E-02	1.25E-05	4.93E-06	8.13E-02	1.28E-05	5.03E-06	8.12E-02	1.28E-05	5.02E-06
5637 481311.81, 3851627.03	8.82E-02	1.39E-05	5.46E-06	9.00E-02	1.42E-05	5.57E-06	8.99E-02	1.42E-05	5.57E-06
5638 481378.71, 3851696.89	8.99E-02	1.42E-05	5.56E-06	9.18E-02	1.45E-05	5.68E-06	9.16E-02	1.44E-05	5.67E-06
5639 481445.61, 3851766.76	9.40E-02	1.48E-05	5.82E-06	9.59E-02	1.51E-05	5.94E-06	9.58E-02	1.51E-05	5.93E-06
5640 481512.51, 3851836.62	9.45E-02	1.49E-05	5.85E-06	9.64E-02	1.52E-05	5.97E-06	9.63E-02	1.52E-05	5.96E-06
5641 481579.42, 3851906.48	9.35E-02	1.47E-05	5.79E-06	9.54E-02	1.50E-05	5.90E-06	9.53E-02	1.50E-05	5.90E-06
5642 481646.32, 3851976.34	9.34E-02	1.47E-05	5.78E-06	9.53E-02	1.50E-05	5.90E-06	9.52E-02	1.50E-05	5.89E-06
5643 481713.22, 3852046.2	9.27E-02	1.46E-05	5.74E-06	9.46E-02	1.49E-05	5.86E-06	9.45E-02	1.49E-05	5.85E-06
5644 481780.12, 3852116.06	9.31E-02	1.47E-05	5.76E-06	9.50E-02	1.50E-05	5.88E-06	9.49E-02	1.49E-05	5.87E-06
5645 481847.03, 3852185.92	9.31E-02	1.47E-05	5.76E-06	9.50E-02	1.50E-05	5.88E-06	9.49E-02	1.50E-05	5.87E-06
5646 481913.93, 3852255.78	9.25E-02	1.46E-05	5.73E-06	9.44E-02	1.49E-05	5.84E-06	9.43E-02	1.49E-05	5.84E-06
5647 481980.83, 3852325.65	8.78E-02	1.38E-05	5.43E-06	8.96E-02	1.41E-05	5.54E-06	8.95E-02	1.41E-05	5.54E-06
5648 482047.73, 3852395.51	8.95E-02	1.41E-05	5.54E-06	9.13E-02	1.44E-05	5.65E-06	9.12E-02	1.44E-05	5.64E-06
5649 482114.64, 3852465.37	8.61E-02	1.36E-05	5.33E-06	8.79E-02	1.38E-05	5.44E-06	8.78E-02	1.38E-05	5.43E-06
5650 482181.54, 3852535.23	8.92E-02	1.41E-05	5.52E-06	9.10E-02	1.43E-05	5.63E-06	9.09E-02	1.43E-05	5.63E-06
5651 482338.69, 3852700.05	9.07E-02	1.43E-05	5.61E-06	9.26E-02	1.46E-05	5.73E-06	9.25E-02	1.46E-05	5.72E-06
5652 482404.05, 3852767.78	9.02E-02	1.42E-05	5.58E-06	9.20E-02	1.45E-05	5.69E-06	9.19E-02	1.45E-05	5.69E-06
5653 482469.4, 3852835.52	9.12E-02	1.44E-05	5.64E-06	9.31E-02	1.47E-05	5.76E-06	9.29E-02	1.46E-05	5.75E-06
5654 482534.75, 3852903.25	9.05E-02	1.43E-05	5.60E-06	9.23E-02	1.45E-05	5.72E-06	9.22E-02	1.45E-05	5.71E-06
5655 482600.11, 3852970.99	8.41E-02	1.32E-05	5.20E-06	8.58E-02	1.35E-05	5.31E-06	8.57E-02	1.35E-05	5.30E-06
5656 482706.71, 3853119.28	7.85E-02	1.24E-05	4.86E-06	8.02E-02	1.26E-05	4.96E-06	8.01E-02	1.26E-05	4.95E-06
5657 482747.96, 3853199.84	7.95E-02	1.25E-05	4.92E-06	8.11E-02	1.28E-05	5.02E-06	8.10E-02	1.28E-05	5.02E-06
5658 482789.21, 3853280.4	7.36E-02	1.16E-05	4.55E-06	7.51E-02	1.18E-05	4.65E-06	7.50E-02	1.18E-05	4.64E-06
5659 482830.46, 3853360.96	6.63E-02	1.04E-05	4.11E-06	6.77E-02	1.07E-05	4.19E-06	6.76E-02	1.07E-05	4.18E-06
5660 482871.71, 3853441.52	5.54E-02	8.72E-06	3.43E-06	5.65E-02	8.90E-06	3.50E-06	5.64E-02	8.89E-06	3.49E-06
5661 482912.95, 3853522.07	1.54E-02	2.42E-06	9.52E-07	1.57E-02	2.47E-06	9.72E-07	1.57E-02	2.47E-06	9.70E-07
5662 482954.2, 3853602.63	7.93E-03	1.25E-06	4.91E-07	8.09E-03	1.27E-06	5.01E-07	8.08E-03	1.27E-06	5.00E-07
5663 482995.45, 3853683.19	5.71E-03	8.99E-07	3.53E-07	5.82E-03	9.17E-07	3.60E-07	5.82E-03	9.16E-07	3.60E-07
5664 483036.7, 3853763.75	4.56E-03	7.18E-07	2.82E-07	4.65E-03	7.33E-07	2.88E-07	4.65E-03	7.32E-07	2.88E-07
5665 483214.2, 3853909.91	3.31E-03	5.21E-07	2.05E-07	3.37E-03	5.32E-07	2.09E-07	3.37E-03	5.31E-07	2.09E-07
5666 483307.01, 3853910.44	3.35E-03	5.28E-07	2.07E-07	3.42E-03	5.39E-07	2.12E-07	3.42E-03	5.38E-07	2.11E-07

5667	483399.83, 3853910.96	3.34E-03	5.26E-07	2.07E-07	3.41E-03	5.37E-07	2.11E-07	3.40E-03	5.36E-07	2.11E-07
5668	483494.52, 3854009.24	2.93E-03	4.62E-07	1.82E-07	2.99E-03	4.72E-07	1.85E-07	2.99E-03	4.71E-07	1.85E-07
5669	483496.41, 3854106.98	2.63E-03	4.14E-07	1.63E-07	2.68E-03	4.22E-07	1.66E-07	2.68E-03	4.22E-07	1.66E-07
5670	483577.56, 3854261.96	2.19E-03	3.44E-07	1.35E-07	2.23E-03	3.52E-07	1.38E-07	2.23E-03	3.51E-07	1.38E-07
5671	483656.83, 3854319.19	2.04E-03	3.21E-07	1.26E-07	2.08E-03	3.27E-07	1.29E-07	2.08E-03	3.27E-07	1.28E-07
5672	483736.1, 3854376.41	1.90E-03	2.99E-07	1.17E-07	1.94E-03	3.05E-07	1.20E-07	1.93E-03	3.05E-07	1.20E-07
5673	483815.37, 3854433.64	1.77E-03	2.79E-07	1.10E-07	1.81E-03	2.84E-07	1.12E-07	1.80E-03	2.84E-07	1.12E-07
5674	483894.63, 3854490.87	1.65E-03	2.60E-07	1.02E-07	1.68E-03	2.65E-07	1.04E-07	1.68E-03	2.65E-07	1.04E-07
5675	483973.9, 3854548.1	1.54E-03	2.42E-07	9.53E-08	1.57E-03	2.47E-07	9.72E-08	1.57E-03	2.47E-07	9.71E-08
5676	484053.17, 3854605.32	1.46E-03	2.30E-07	9.04E-08	1.49E-03	2.35E-07	9.23E-08	1.49E-03	2.35E-07	9.22E-08
5677	484214.97, 3854698.15	1.37E-03	2.16E-07	8.49E-08	1.40E-03	2.21E-07	8.67E-08	1.40E-03	2.20E-07	8.66E-08
5678	484297.5, 3854733.74	1.38E-03	2.17E-07	8.53E-08	1.41E-03	2.21E-07	8.70E-08	1.40E-03	2.21E-07	8.69E-08
5679	484380.03, 3854769.34	1.36E-03	2.14E-07	8.40E-08	1.38E-03	2.18E-07	8.57E-08	1.38E-03	2.18E-07	8.56E-08
5680	484462.56, 3854804.94	1.36E-03	2.14E-07	8.39E-08	1.38E-03	2.18E-07	8.57E-08	1.38E-03	2.18E-07	8.56E-08
5681	484545.09, 3854840.53	1.33E-03	2.10E-07	8.23E-08	1.36E-03	2.14E-07	8.40E-08	1.36E-03	2.14E-07	8.39E-08
5682	484691.88, 3854912.59	1.33E-03	2.09E-07	8.22E-08	1.36E-03	2.13E-07	8.39E-08	1.35E-03	2.13E-07	8.38E-08
5683	484830.81, 3855012.51	1.30E-03	2.05E-07	8.04E-08	1.33E-03	2.09E-07	8.21E-08	1.32E-03	2.09E-07	8.20E-08
5684	484905.48, 3855075.97	1.29E-03	2.03E-07	7.99E-08	1.32E-03	2.08E-07	8.16E-08	1.32E-03	2.07E-07	8.15E-08
5685	484980.14, 3855139.44	1.27E-03	2.00E-07	7.87E-08	1.30E-03	2.04E-07	8.03E-08	1.30E-03	2.04E-07	8.02E-08
5686	485054.81, 3855202.91	1.24E-03	1.96E-07	7.69E-08	1.27E-03	2.00E-07	7.85E-08	1.27E-03	2.00E-07	7.84E-08
5687	485129.48, 3855266.37	1.21E-03	1.90E-07	7.46E-08	1.23E-03	1.94E-07	7.61E-08	1.23E-03	1.94E-07	7.60E-08
5688	485204.15, 3855329.84	1.19E-03	1.87E-07	7.35E-08	1.21E-03	1.91E-07	7.50E-08	1.21E-03	1.91E-07	7.49E-08
5689	485278.82, 3855393.31	1.16E-03	1.83E-07	7.19E-08	1.19E-03	1.87E-07	7.34E-08	1.18E-03	1.87E-07	7.33E-08
5690	485353.48, 3855456.77	1.14E-03	1.80E-07	7.07E-08	1.17E-03	1.84E-07	7.21E-08	1.16E-03	1.83E-07	7.20E-08
5691	485428.15, 3855520.24	1.12E-03	1.76E-07	6.92E-08	1.14E-03	1.80E-07	7.06E-08	1.14E-03	1.80E-07	7.05E-08
5692	485502.82, 3855583.71	1.10E-03	1.73E-07	6.79E-08	1.12E-03	1.76E-07	6.93E-08	1.12E-03	1.76E-07	6.92E-08
5693	485577.49, 3855647.17	1.08E-03	1.70E-07	6.69E-08	1.10E-03	1.74E-07	6.83E-08	1.10E-03	1.74E-07	6.82E-08
5694	485652.16, 3855710.64	1.07E-03	1.68E-07	6.60E-08	1.09E-03	1.71E-07	6.74E-08	1.09E-03	1.71E-07	6.73E-08
5695	485726.83, 3855774.11	1.05E-03	1.65E-07	6.49E-08	1.07E-03	1.69E-07	6.62E-08	1.07E-03	1.68E-07	6.62E-08
5696	485801.49, 3855837.57	1.03E-03	1.62E-07	6.37E-08	1.05E-03	1.66E-07	6.50E-08	1.05E-03	1.65E-07	6.50E-08
5697	485876.16, 3855901.04	1.01E-03	1.60E-07	6.28E-08	1.03E-03	1.63E-07	6.40E-08	1.03E-03	1.63E-07	6.40E-08
5698	485950.83, 3855964.5	9.98E-04	1.57E-07	6.17E-08	1.02E-03	1.60E-07	6.30E-08	1.02E-03	1.60E-07	6.29E-08
5699	486025.5, 3856027.97	9.80E-04	1.54E-07	6.07E-08	1.00E-03	1.58E-07	6.19E-08	9.99E-04	1.57E-07	6.18E-08
5700	486100.17, 3856091.44	9.74E-04	1.53E-07	6.03E-08	9.93E-04	1.57E-07	6.15E-08	9.92E-04	1.56E-07	6.14E-08
5701	486174.83, 3856154.9	9.57E-04	1.51E-07	5.92E-08	9.76E-04	1.54E-07	6.04E-08	9.75E-04	1.54E-07	6.04E-08
5702	486249.5, 3856218.37	9.33E-04	1.47E-07	5.77E-08	9.52E-04	1.50E-07	5.89E-08	9.51E-04	1.50E-07	5.88E-08
5703	486324.17, 3856281.84	9.11E-04	1.43E-07	5.64E-08	9.29E-04	1.46E-07	5.75E-08	9.28E-04	1.46E-07	5.74E-08
5704	486398.84, 3856345.3	9.04E-04	1.42E-07	5.60E-08	9.23E-04	1.45E-07	5.71E-08	9.22E-04	1.45E-07	5.70E-08
5705	486473.51, 3856408.77	8.95E-04	1.41E-07	5.54E-08	9.13E-04	1.44E-07	5.65E-08	9.12E-04	1.44E-07	5.64E-08
5706	486548.17, 3856472.24	8.91E-04	1.40E-07	5.52E-08	9.10E-04	1.43E-07	5.63E-08	9.08E-04	1.43E-07	5.62E-08
5707	486622.84, 3856535.7	8.89E-04	1.40E-07	5.50E-08	9.07E-04	1.43E-07	5.61E-08	9.06E-04	1.43E-07	5.61E-08
5708	486765.48, 3856659.69	8.92E-04	1.40E-07	5.52E-08	9.10E-04	1.43E-07	5.63E-08	9.09E-04	1.43E-07	5.62E-08
5709	486833.44, 3856720.2	8.93E-04	1.41E-07	5.52E-08	9.11E-04	1.43E-07	5.64E-08	9.10E-04	1.43E-07	5.63E-08
5710	486901.41, 3856780.72	8.96E-04	1.41E-07	5.55E-08	9.15E-04	1.44E-07	5.66E-08	9.14E-04	1.44E-07	5.65E-08
5711	486969.38, 3856841.24	9.00E-04	1.42E-07	5.57E-08	9.18E-04	1.45E-07	5.68E-08	9.17E-04	1.44E-07	5.68E-08
5712	487037.34, 3856901.75	9.05E-04	1.43E-07	5.60E-08	9.23E-04	1.45E-07	5.71E-08	9.22E-04	1.45E-07	5.71E-08
5713	487271.23, 3856855.51	9.06E-04	1.43E-07	5.61E-08	9.24E-04	1.46E-07	5.72E-08	9.23E-04	1.45E-07	5.71E-08
5714	487368.96, 3856857.29	9.03E-04	1.42E-07	5.59E-08	9.22E-04	1.45E-07	5.70E-08	9.20E-04	1.45E-07	5.70E-08
5715	487466.68, 3856859.06	9.03E-04	1.42E-07	5.59E-08	9.22E-04	1.45E-07	5.70E-08	9.20E-04	1.45E-07	5.70E-08
5716	487636.44, 3856930	9.10E-04	1.43E-07	5.63E-08	9.29E-04	1.46E-07	5.75E-08	9.28E-04	1.46E-07	5.74E-08
5717	487709.57, 3856928.43	9.14E-04	1.44E-07	5.66E-08	9.33E-04	1.47E-07	5.77E-08	9.32E-04	1.47E-07	5.77E-08
5718	487782.55, 3856841.96	9.11E-04	1.43E-07	5.64E-08	9.29E-04	1.46E-07	5.75E-08	9.28E-04	1.46E-07	5.75E-08
5719	487849.83, 3856754.74	9.08E-04	1.43E-07	5.62E-08	9.27E-04	1.46E-07	5.74E-08	9.26E-04	1.46E-07	5.73E-08
5720	487918.03, 3856819.39	9.17E-04	1.44E-07	5.67E-08	9.35E-04	1.47E-07	5.79E-08	9.34E-04	1.47E-07	5.78E-08
5721	487918.8, 3856886.37	9.24E-04	1.46E-07	5.72E-08	9.43E-04	1.49E-07	5.84E-08	9.42E-04	1.48E-07	5.83E-08
5722	488065.47, 3857127.51	9.53E-04	1.50E-07	5.90E-08	9.72E-04	1.53E-07	6.02E-08	9.71E-04	1.53E-07	6.01E-08
5723	488192.19, 3857385.84	1.02E-03	1.61E-07	6.33E-08	1.04E-03	1.64E-07	6.46E-08	1.04E-03	1.64E-07	6.45E-08
5724	488191.22, 3857473.87	1.06E-03	1.66E-07	6.53E-08	1.08E-03	1.70E-07	6.67E-08	1.08E-03	1.69E-07	6.66E-08
5725	488190.24, 3857561.91	1.09E-03	1.72E-07	6.77E-08	1.12E-03	1.76E-07	6.91E-08	1.12E-03	1.76E-07	6.90E-08
5726	488158.35, 3857691.13	1.16E-03	1.82E-07	7.16E-08	1.18E-03	1.86E-07	7.30E-08	1.18E-03	1.86E-07	7.30E-08
5727	488208.37, 3857816.66	1.24E-03	1.95E-07	7.66E-08	1.26E-03	1.99E-07	7.82E-08	1.26E-03	1.99E-07	7.81E-08
5728	488271.97, 3857874.6	1.29E-03	2.03E-07	7.97E-08	1.31E-03	2.07E-07	8.14E-08	1.31E-03	2.07E-07	8.13E-08
5729	488463.56, 3857942.31	1.39E-03	2.19E-07	8.61E-08	1.42E-03	2.24E-07	8.79E-08	1.42E-03	2.23E-07	8.78E-08

5730	488554.83, 3857940.83	1.40E-03	2.20E-07	8.66E-08	1.43E-03	2.25E-07	8.83E-08	1.43E-03	2.25E-07	8.82E-08
5731	488646.1, 3857939.36	1.41E-03	2.22E-07	8.70E-08	1.43E-03	2.26E-07	8.88E-08	1.43E-03	2.26E-07	8.87E-08
5732	488737.37, 3857937.88	1.42E-03	2.23E-07	8.76E-08	1.44E-03	2.28E-07	8.94E-08	1.44E-03	2.27E-07	8.93E-08
5733	488733.59, 3857960.57	1.44E-03	2.26E-07	8.89E-08	1.47E-03	2.31E-07	9.08E-08	1.46E-03	2.31E-07	9.06E-08
5734	488638.09, 3857961.57	1.43E-03	2.25E-07	8.83E-08	1.46E-03	2.29E-07	9.01E-08	1.45E-03	2.29E-07	9.00E-08
5735	488542.6, 3857962.56	1.42E-03	2.24E-07	8.80E-08	1.45E-03	2.29E-07	8.98E-08	1.45E-03	2.28E-07	8.97E-08
5736	488447.1, 3857963.56	1.41E-03	2.22E-07	8.74E-08	1.44E-03	2.27E-07	8.92E-08	1.44E-03	2.27E-07	8.91E-08
5737	488254.28, 3857890.36	1.30E-03	2.05E-07	8.05E-08	1.33E-03	2.09E-07	8.21E-08	1.33E-03	2.09E-07	8.20E-08
5738	488191.69, 3857833.06	1.25E-03	1.96E-07	7.71E-08	1.27E-03	2.00E-07	7.87E-08	1.27E-03	2.00E-07	7.86E-08
5739	488129.5, 3857907.43	1.29E-03	2.03E-07	7.99E-08	1.32E-03	2.08E-07	8.15E-08	1.32E-03	2.07E-07	8.14E-08
5740	488196.47, 3857968.74	1.36E-03	2.14E-07	8.39E-08	1.38E-03	2.18E-07	8.56E-08	1.38E-03	2.18E-07	8.55E-08
5741	488263.44, 3858030.04	1.43E-03	2.26E-07	8.86E-08	1.46E-03	2.30E-07	9.04E-08	1.46E-03	2.30E-07	9.03E-08
5742	488400.64, 3858132.9	1.60E-03	2.52E-07	9.89E-08	1.63E-03	2.57E-07	1.01E-07	1.63E-03	2.57E-07	1.01E-07
5743	488519.89, 3858218.38	1.80E-03	2.83E-07	1.11E-07	1.83E-03	2.89E-07	1.13E-07	1.83E-03	2.88E-07	1.13E-07
5744	488647.97, 3858214.99	1.80E-03	2.84E-07	1.11E-07	1.84E-03	2.89E-07	1.14E-07	1.84E-03	2.89E-07	1.14E-07
5745	488727.05, 3858167.67	1.72E-03	2.71E-07	1.07E-07	1.76E-03	2.77E-07	1.09E-07	1.76E-03	2.76E-07	1.09E-07
5746	488806.12, 3858120.35	1.65E-03	2.60E-07	1.02E-07	1.69E-03	2.65E-07	1.04E-07	1.68E-03	2.65E-07	1.04E-07
5747	488885.2, 3858073.03	1.58E-03	2.50E-07	9.80E-08	1.62E-03	2.55E-07	1.00E-07	1.61E-03	2.54E-07	9.99E-08
5748	489055.76, 3857991.18	1.46E-03	2.31E-07	9.07E-08	1.49E-03	2.35E-07	9.25E-08	1.49E-03	2.35E-07	9.24E-08
5749	489245.39, 3857944.55	1.34E-03	2.11E-07	8.30E-08	1.37E-03	2.16E-07	8.47E-08	1.37E-03	2.15E-07	8.46E-08
5750	489430.63, 3857930.91	1.28E-03	2.01E-07	7.90E-08	1.30E-03	2.05E-07	8.06E-08	1.30E-03	2.05E-07	8.05E-08
5751	489517.74, 3857929.36	1.25E-03	1.97E-07	7.74E-08	1.28E-03	2.01E-07	7.90E-08	1.28E-03	2.01E-07	7.89E-08
5752	489604.86, 3857927.82	1.23E-03	1.93E-07	7.60E-08	1.25E-03	1.97E-07	7.76E-08	1.25E-03	1.97E-07	7.75E-08
5753	489691.97, 3857926.28	1.22E-03	1.92E-07	7.53E-08	1.24E-03	1.96E-07	7.68E-08	1.24E-03	1.95E-07	7.67E-08
5754	489779.08, 3857924.73	1.20E-03	1.90E-07	7.45E-08	1.23E-03	1.94E-07	7.61E-08	1.23E-03	1.93E-07	7.60E-08
5755	490017.55, 3857875.09	1.13E-03	1.78E-07	7.01E-08	1.16E-03	1.82E-07	7.16E-08	1.15E-03	1.82E-07	7.15E-08
5756	490033.82, 3857960.81	1.22E-03	1.92E-07	7.54E-08	1.24E-03	1.96E-07	7.70E-08	1.24E-03	1.96E-07	7.69E-08
5757	489959.15, 3857987.49	1.27E-03	1.99E-07	7.83E-08	1.29E-03	2.03E-07	7.99E-08	1.29E-03	2.03E-07	7.98E-08
5758	489791.49, 3858016.12	1.29E-03	2.04E-07	8.01E-08	1.32E-03	2.08E-07	8.17E-08	1.32E-03	2.08E-07	8.17E-08
5759	489698.51, 3858018.07	1.31E-03	2.07E-07	8.12E-08	1.34E-03	2.11E-07	8.29E-08	1.34E-03	2.11E-07	8.28E-08
5760	489605.52, 3858020.02	1.33E-03	2.10E-07	8.26E-08	1.36E-03	2.14E-07	8.42E-08	1.36E-03	2.14E-07	8.41E-08
5761	489512.53, 3858021.96	1.36E-03	2.14E-07	8.42E-08	1.39E-03	2.19E-07	8.59E-08	1.39E-03	2.18E-07	8.58E-08
5762	489419.55, 3858023.91	1.39E-03	2.20E-07	8.63E-08	1.42E-03	2.24E-07	8.81E-08	1.42E-03	2.24E-07	8.80E-08
5763	489228.47, 3858041.29	1.45E-03	2.28E-07	8.97E-08	1.48E-03	2.33E-07	9.16E-08	1.48E-03	2.33E-07	9.14E-08
5764	489065.75, 3858085.78	1.58E-03	2.48E-07	9.75E-08	1.61E-03	2.53E-07	9.95E-08	1.61E-03	2.53E-07	9.94E-08
5765	489001.12, 3858114.86	1.63E-03	2.57E-07	1.01E-07	1.67E-03	2.63E-07	1.03E-07	1.67E-03	2.62E-07	1.03E-07
5766	488861.89, 3858189.81	1.76E-03	2.78E-07	1.09E-07	1.80E-03	2.84E-07	1.11E-07	1.80E-03	2.83E-07	1.11E-07
5767	488787.29, 3858235.69	1.86E-03	2.93E-07	1.15E-07	1.90E-03	2.99E-07	1.17E-07	1.89E-03	2.98E-07	1.17E-07
5768	488712.68, 3858281.57	1.95E-03	3.07E-07	1.21E-07	1.99E-03	3.13E-07	1.23E-07	1.99E-03	3.13E-07	1.23E-07
5769	488654.39, 3858436.17	2.41E-03	3.79E-07	1.49E-07	2.46E-03	3.87E-07	1.52E-07	2.45E-03	3.87E-07	1.52E-07
5770	488726.31, 3858505.26	2.74E-03	4.32E-07	1.70E-07	2.80E-03	4.41E-07	1.73E-07	2.79E-03	4.40E-07	1.73E-07
5771	488880.6, 3858599.28	3.45E-03	5.44E-07	2.14E-07	3.52E-03	5.55E-07	2.18E-07	3.52E-03	5.54E-07	2.18E-07
5772	489008.06, 3858714.75	5.06E-03	7.97E-07	3.13E-07	5.16E-03	8.13E-07	3.20E-07	5.16E-03	8.13E-07	3.19E-07
5773	489071.48, 3858772.72	7.34E-03	1.16E-06	4.54E-07	7.49E-03	1.18E-06	4.63E-07	7.48E-03	1.18E-06	4.63E-07
5774	489244.6, 3858920.2	2.42E-02	3.81E-06	1.50E-06	2.47E-02	3.89E-06	1.53E-06	2.47E-02	3.88E-06	1.53E-06
5775	489239.69, 3858952.23	3.07E-02	4.84E-06	1.90E-06	3.13E-02	4.94E-06	1.94E-06	3.13E-02	4.93E-06	1.94E-06
5776	489121.67, 3858854.49	1.68E-02	2.64E-06	1.04E-06	1.71E-02	2.69E-06	1.06E-06	1.71E-02	2.69E-06	1.06E-06
5777	489059.59, 3858797.27	9.00E-03	1.42E-06	5.57E-07	9.19E-03	1.45E-06	5.69E-07	9.18E-03	1.45E-06	5.68E-07
5778	488997.52, 3858740.04	5.69E-03	8.97E-07	3.52E-07	5.81E-03	9.15E-07	3.59E-07	5.80E-03	9.14E-07	3.59E-07
5779	488935.44, 3858682.82	4.44E-03	6.99E-07	2.75E-07	4.53E-03	7.13E-07	2.80E-07	4.52E-03	7.12E-07	2.80E-07
5780	488869.17, 3858848.43	1.35E-02	2.13E-06	8.37E-07	1.38E-02	2.17E-06	8.54E-07	1.38E-02	2.17E-06	8.53E-07
5781	488932.48, 3858892.69	4.67E-02	7.35E-06	2.89E-06	4.76E-02	7.50E-06	2.95E-06	4.76E-02	7.49E-06	2.94E-06
5782	489063.27, 3858977.17	7.95E-02	1.25E-05	4.92E-06	8.11E-02	1.28E-05	5.02E-06	8.10E-02	1.28E-05	5.01E-06
5783	489248.2, 3859117.15	9.59E-02	1.51E-05	5.94E-06	9.79E-02	1.54E-05	6.06E-06	9.77E-02	1.54E-05	6.05E-06
5784	489296.25, 3859049.22	4.94E-02	7.78E-06	3.06E-06	5.04E-02	7.94E-06	3.12E-06	5.04E-02	7.93E-06	3.12E-06
5785	489353.38, 3858993.97	2.99E-02	4.72E-06	1.85E-06	3.06E-02	4.81E-06	1.89E-06	3.05E-02	4.81E-06	1.89E-06
5786	489537.25, 3859120.22	3.69E-02	5.82E-06	2.29E-06	3.77E-02	5.94E-06	2.33E-06	3.77E-02	5.93E-06	2.33E-06
5787	489726.98, 3859246.04	4.38E-02	6.90E-06	2.71E-06	4.47E-02	7.04E-06	2.76E-06	4.46E-02	7.03E-06	2.76E-06
5788	489911.46, 3859366.33	4.97E-02	7.84E-06	3.08E-06	5.08E-02	8.00E-06	3.14E-06	5.07E-02	7.99E-06	3.14E-06
5789	490035.3, 3859430.26	5.00E-02	7.87E-06	3.09E-06	5.10E-02	8.03E-06	3.16E-06	5.09E-02	8.02E-06	3.15E-06
5790	490101.11, 3859458.61	4.87E-02	7.67E-06	3.01E-06	4.97E-02	7.83E-06	3.08E-06	4.96E-02	7.82E-06	3.07E-06
5791	490312.68, 3859560.3	5.23E-02	8.24E-06	3.24E-06	5.34E-02	8.41E-06	3.30E-06	5.33E-02	8.40E-06	3.30E-06
5792	490401.63, 3859603.12	5.55E-02	8.75E-06	3.44E-06	5.67E-02	8.93E-06	3.51E-06	5.66E-02	8.92E-06	3.50E-06

5793	490490.57, 3859645.94	5.89E-02	9.28E-06	3.65E-06	6.01E-02	9.47E-06	3.72E-06	6.01E-02	9.46E-06	3.72E-06
5794	490579.51, 3859688.76	6.23E-02	9.81E-06	3.86E-06	6.36E-02	1.00E-05	3.93E-06	6.35E-02	1.00E-05	3.93E-06
5795	490668.45, 3859731.58	6.42E-02	1.01E-05	3.97E-06	6.55E-02	1.03E-05	4.05E-06	6.54E-02	1.03E-05	4.05E-06
5796	490757.4, 3859774.4	7.01E-02	1.10E-05	4.34E-06	7.15E-02	1.13E-05	4.43E-06	7.14E-02	1.13E-05	4.42E-06
5797	491003.53, 3859861.82	6.31E-02	9.95E-06	3.91E-06	6.44E-02	1.02E-05	3.99E-06	6.44E-02	1.01E-05	3.98E-06
5798	491081.41, 3859879.05	5.63E-02	8.87E-06	3.49E-06	5.75E-02	9.05E-06	3.56E-06	5.74E-02	9.04E-06	3.55E-06
5799	491229.76, 3859917.82	4.54E-02	7.16E-06	2.81E-06	4.64E-02	7.30E-06	2.87E-06	4.63E-02	7.29E-06	2.87E-06
5800	491300.22, 3859939.35	4.10E-02	6.45E-06	2.54E-06	4.18E-02	6.59E-06	2.59E-06	4.18E-02	6.58E-06	2.58E-06
5801	491350.49, 3860012.03	4.55E-02	7.17E-06	2.82E-06	4.64E-02	7.31E-06	2.87E-06	4.64E-02	7.31E-06	2.87E-06
5802	491406.82, 3860092.57	5.13E-02	8.08E-06	3.17E-06	5.23E-02	8.24E-06	3.24E-06	5.23E-02	8.23E-06	3.23E-06
5803	491483.37, 3860121.96	4.57E-02	7.20E-06	2.83E-06	4.66E-02	7.34E-06	2.88E-06	4.66E-02	7.33E-06	2.88E-06
5804	491559.91, 3860151.36	4.11E-02	6.47E-06	2.54E-06	4.19E-02	6.60E-06	2.59E-06	4.18E-02	6.59E-06	2.59E-06
5805	491711.81, 3860237.76	2.83E-02	4.46E-06	1.75E-06	2.89E-02	4.55E-06	1.79E-06	2.89E-02	4.55E-06	1.79E-06
5806	491755.2, 3860319.07	4.09E-02	6.44E-06	2.53E-06	4.17E-02	6.57E-06	2.58E-06	4.17E-02	6.56E-06	2.58E-06
5807	491704.71, 3860366.54	5.85E-02	9.21E-06	3.62E-06	5.97E-02	9.40E-06	3.69E-06	5.96E-02	9.39E-06	3.69E-06
5808	491623.43, 3860462.39	3.46E-02	5.45E-06	2.14E-06	3.53E-02	5.56E-06	2.18E-06	3.53E-02	5.56E-06	2.18E-06
5809	491534.02, 3860439.85	1.98E-02	3.12E-06	1.22E-06	2.02E-02	3.18E-06	1.25E-06	2.02E-02	3.18E-06	1.25E-06
5810	491313.95, 3860268.18	2.68E-02	4.22E-06	1.66E-06	2.73E-02	4.31E-06	1.69E-06	2.73E-02	4.30E-06	1.69E-06
5811	491187.12, 3860143.56	3.73E-02	5.87E-06	2.31E-06	3.81E-02	5.99E-06	2.35E-06	3.80E-02	5.99E-06	2.35E-06
5812	491070.43, 3860075.97	3.46E-02	5.45E-06	2.14E-06	3.53E-02	5.56E-06	2.18E-06	3.53E-02	5.56E-06	2.18E-06
5813	490995.09, 3860039.39	3.24E-02	5.11E-06	2.01E-06	3.31E-02	5.21E-06	2.05E-06	3.31E-02	5.21E-06	2.05E-06
5814	490919.75, 3860002.8	3.26E-02	5.14E-06	2.02E-06	3.33E-02	5.24E-06	2.06E-06	3.32E-02	5.23E-06	2.06E-06
5815	490756.81, 3859894.53	5.60E-02	8.82E-06	3.47E-06	5.72E-02	9.00E-06	3.54E-06	5.71E-02	8.99E-06	3.53E-06
5816	490668.07, 3859860.92	5.36E-02	8.44E-06	3.31E-06	5.47E-02	8.61E-06	3.38E-06	5.46E-02	8.60E-06	3.38E-06
5817	490579.34, 3859827.3	5.35E-02	8.43E-06	3.31E-06	5.46E-02	8.60E-06	3.38E-06	5.45E-02	8.59E-06	3.38E-06
5818	490490.6, 3859793.68	5.09E-02	8.02E-06	3.15E-06	5.20E-02	8.19E-06	3.22E-06	5.19E-02	8.18E-06	3.21E-06
5819	490401.86, 3859760.07	4.92E-02	7.75E-06	3.04E-06	5.02E-02	7.90E-06	3.11E-06	5.01E-02	7.89E-06	3.10E-06
5820	490313.12, 3859726.45	4.88E-02	7.68E-06	3.02E-06	4.98E-02	7.84E-06	3.08E-06	4.97E-02	7.83E-06	3.08E-06
5821	490224.39, 3859692.83	4.81E-02	7.57E-06	2.98E-06	4.91E-02	7.73E-06	3.04E-06	4.90E-02	7.72E-06	3.03E-06
5822	490135.65, 3859659.22	4.70E-02	7.41E-06	2.91E-06	4.80E-02	7.56E-06	2.97E-06	4.80E-02	7.55E-06	2.97E-06
5823	489918.19, 3859559.23	4.60E-02	7.24E-06	2.84E-06	4.69E-02	7.39E-06	2.90E-06	4.69E-02	7.38E-06	2.90E-06
5824	489743.61, 3859486	3.58E-02	5.64E-06	2.22E-06	3.66E-02	5.76E-06	2.26E-06	3.65E-02	5.75E-06	2.26E-06
5825	489660.32, 3859440.27	3.55E-02	5.59E-06	2.20E-06	3.62E-02	5.70E-06	2.24E-06	3.62E-02	5.70E-06	2.24E-06
5826	489577.04, 3859394.53	3.53E-02	5.56E-06	2.19E-06	3.60E-02	5.68E-06	2.23E-06	3.60E-02	5.67E-06	2.23E-06
5827	489493.75, 3859348.8	3.49E-02	5.49E-06	2.16E-06	3.56E-02	5.61E-06	2.20E-06	3.55E-02	5.60E-06	2.20E-06
5828	489321.28, 3859240.02	3.96E-02	6.24E-06	2.45E-06	4.04E-02	6.37E-06	2.50E-06	4.04E-02	6.36E-06	2.50E-06
5829	489235.41, 3859193.96	3.86E-02	6.08E-06	2.39E-06	3.94E-02	6.21E-06	2.44E-06	3.93E-02	6.20E-06	2.43E-06
5830	489149.54, 3859147.89	3.39E-02	5.35E-06	2.10E-06	3.46E-02	5.46E-06	2.14E-06	3.46E-02	5.45E-06	2.14E-06
5831	489063.68, 3859101.82	3.10E-02	4.89E-06	1.92E-06	3.17E-02	4.99E-06	1.96E-06	3.16E-02	4.98E-06	1.96E-06
5832	488977.81, 3859055.75	2.78E-02	4.38E-06	1.72E-06	2.84E-02	4.47E-06	1.76E-06	2.84E-02	4.47E-06	1.76E-06
5833	488891.94, 3859009.69	2.27E-02	3.57E-06	1.40E-06	2.32E-02	3.65E-06	1.43E-06	2.31E-02	3.64E-06	1.43E-06
5834	488808, 3859060.73	1.17E-02	1.84E-06	7.24E-07	1.19E-02	1.88E-06	7.38E-07	1.19E-02	1.88E-06	7.37E-07
5835	488809.93, 3859157.85	9.13E-03	1.44E-06	5.65E-07	9.32E-03	1.47E-06	5.77E-07	9.31E-03	1.47E-06	5.76E-07
5836	488811.86, 3859254.96	7.51E-03	1.18E-06	4.65E-07	7.66E-03	1.21E-06	4.74E-07	7.65E-03	1.21E-06	4.74E-07
5837	488813.78, 3859352.07	6.38E-03	1.01E-06	3.95E-07	6.52E-03	1.03E-06	4.03E-07	6.51E-03	1.03E-06	4.03E-07
5838	488815.71, 3859449.19	5.59E-03	8.81E-07	3.46E-07	5.70E-03	8.99E-07	3.53E-07	5.70E-03	8.98E-07	3.53E-07
5839	488910.04, 3859547.11	5.49E-03	8.64E-07	3.40E-07	5.60E-03	8.82E-07	3.47E-07	5.59E-03	8.81E-07	3.46E-07
5840	489002.45, 3859547.91	6.12E-03	9.64E-07	3.79E-07	6.24E-03	9.84E-07	3.86E-07	6.24E-03	9.83E-07	3.86E-07
5841	489094.85, 3859548.72	6.89E-03	1.08E-06	4.26E-07	7.03E-03	1.11E-06	4.35E-07	7.02E-03	1.11E-06	4.34E-07
5842	489230.05, 3859601.87	7.41E-03	1.17E-06	4.59E-07	7.56E-03	1.19E-06	4.68E-07	7.55E-03	1.19E-06	4.68E-07
5843	489227.52, 3859680.89	6.45E-03	1.02E-06	3.99E-07	6.58E-03	1.04E-06	4.07E-07	6.57E-03	1.04E-06	4.07E-07
5844	489133.47, 3859760.29	5.22E-03	8.22E-07	3.23E-07	5.33E-03	8.39E-07	3.30E-07	5.32E-03	8.38E-07	3.29E-07
5845	489041.96, 3859760.67	4.79E-03	7.55E-07	2.96E-07	4.89E-03	7.70E-07	3.03E-07	4.88E-03	7.69E-07	3.02E-07
5846	488950.45, 3859761.05	4.41E-03	6.94E-07	2.73E-07	4.50E-03	7.08E-07	2.78E-07	4.49E-03	7.07E-07	2.78E-07
5847	488858.94, 3859761.43	4.07E-03	6.42E-07	2.52E-07	4.16E-03	6.55E-07	2.57E-07	4.15E-03	6.54E-07	2.57E-07
5848	488767.43, 3859761.82	3.74E-03	5.90E-07	2.32E-07	3.82E-03	6.02E-07	2.36E-07	3.82E-03	6.01E-07	2.36E-07
5849	488675.92, 3859762.2	3.46E-03	5.46E-07	2.14E-07	3.54E-03	5.57E-07	2.19E-07	3.53E-03	5.56E-07	2.19E-07
5850	488584.41, 3859762.58	3.19E-03	5.03E-07	1.98E-07	3.26E-03	5.14E-07	2.02E-07	3.26E-03	5.13E-07	2.01E-07
5851	488492.9, 3859762.96	2.96E-03	4.66E-07	1.83E-07	3.02E-03	4.76E-07	1.87E-07	3.02E-03	4.75E-07	1.87E-07
5852	488402.76, 3859830.95	2.64E-03	4.17E-07	1.64E-07	2.70E-03	4.25E-07	1.67E-07	2.70E-03	4.25E-07	1.67E-07
5853	488404.14, 3859898.55	2.53E-03	3.99E-07	1.57E-07	2.58E-03	4.07E-07	1.60E-07	2.58E-03	4.06E-07	1.60E-07
5854	488505.18, 3859964.96	2.61E-03	4.11E-07	1.61E-07	2.66E-03	4.19E-07	1.65E-07	2.66E-03	4.19E-07	1.65E-07
5855	488604.85, 3859963.76	2.80E-03	4.41E-07	1.73E-07	2.86E-03	4.50E-07	1.77E-07	2.85E-03	4.49E-07	1.77E-07

5856	488704.51, 3859962.56	3.01E-03	4.74E-07	1.86E-07	3.07E-03	4.84E-07	1.90E-07	3.07E-03	4.83E-07	1.90E-07
5857	488804.18, 3859961.37	3.24E-03	5.11E-07	2.01E-07	3.31E-03	5.21E-07	2.05E-07	3.30E-03	5.21E-07	2.04E-07
5858	488903.85, 3859960.17	3.49E-03	5.50E-07	2.16E-07	3.56E-03	5.61E-07	2.20E-07	3.56E-03	5.61E-07	2.20E-07
5859	489003.52, 3859958.97	3.75E-03	5.91E-07	2.32E-07	3.83E-03	6.03E-07	2.37E-07	3.82E-03	6.02E-07	2.37E-07
5860	489103.18, 3859957.77	4.04E-03	6.36E-07	2.50E-07	4.12E-03	6.49E-07	2.55E-07	4.12E-03	6.48E-07	2.55E-07
5861	489201.48, 3860046.59	3.96E-03	6.24E-07	2.45E-07	4.04E-03	6.37E-07	2.50E-07	4.04E-03	6.36E-07	2.50E-07
5862	489200.11, 3860136.61	3.60E-03	5.67E-07	2.23E-07	3.67E-03	5.79E-07	2.27E-07	3.67E-03	5.78E-07	2.27E-07
5863	489198.74, 3860226.63	3.29E-03	5.19E-07	2.04E-07	3.36E-03	5.29E-07	2.08E-07	3.36E-03	5.29E-07	2.08E-07
5864	489197.38, 3860316.66	3.02E-03	4.76E-07	1.87E-07	3.09E-03	4.86E-07	1.91E-07	3.08E-03	4.85E-07	1.91E-07
5865	489196.01, 3860406.68	2.80E-03	4.41E-07	1.73E-07	2.86E-03	4.50E-07	1.77E-07	2.85E-03	4.49E-07	1.76E-07
5866	489194.64, 3860496.7	2.58E-03	4.07E-07	1.60E-07	2.63E-03	4.15E-07	1.63E-07	2.63E-03	4.14E-07	1.63E-07
5867	489193.27, 3860586.72	2.41E-03	3.79E-07	1.49E-07	2.46E-03	3.87E-07	1.52E-07	2.45E-03	3.86E-07	1.52E-07
5868	489092.02, 3860678.13	2.16E-03	3.40E-07	1.33E-07	2.20E-03	3.46E-07	1.36E-07	2.20E-03	3.46E-07	1.36E-07
5869	488992.13, 3860679.53	2.07E-03	3.26E-07	1.28E-07	2.11E-03	3.33E-07	1.31E-07	2.11E-03	3.32E-07	1.31E-07
5870	488892.25, 3860680.92	1.99E-03	3.14E-07	1.23E-07	2.03E-03	3.20E-07	1.26E-07	2.03E-03	3.20E-07	1.26E-07
5871	488792.36, 3860682.31	1.91E-03	3.02E-07	1.18E-07	1.95E-03	3.08E-07	1.21E-07	1.95E-03	3.07E-07	1.21E-07
5872	488692.48, 3860683.7	1.84E-03	2.90E-07	1.14E-07	1.88E-03	2.96E-07	1.16E-07	1.88E-03	2.96E-07	1.16E-07
5873	488592.59, 3860685.1	1.76E-03	2.78E-07	1.09E-07	1.80E-03	2.84E-07	1.11E-07	1.80E-03	2.83E-07	1.11E-07
5874	488492.71, 3860686.49	1.71E-03	2.69E-07	1.06E-07	1.74E-03	2.74E-07	1.08E-07	1.74E-03	2.74E-07	1.08E-07
5875	488299.07, 3860762.18	1.56E-03	2.46E-07	9.65E-08	1.59E-03	2.51E-07	9.84E-08	1.59E-03	2.50E-07	9.83E-08
5876	488205.32, 3860764.09	1.50E-03	2.36E-07	9.26E-08	1.53E-03	2.41E-07	9.45E-08	1.53E-03	2.40E-07	9.44E-08
5877	488111.56, 3860766	1.43E-03	2.26E-07	8.87E-08	1.46E-03	2.30E-07	9.05E-08	1.46E-03	2.30E-07	9.04E-08
5878	488017.81, 3860767.91	1.37E-03	2.16E-07	8.50E-08	1.40E-03	2.21E-07	8.67E-08	1.40E-03	2.20E-07	8.66E-08
5879	487924.06, 3860769.81	1.32E-03	2.08E-07	8.16E-08	1.35E-03	2.12E-07	8.33E-08	1.34E-03	2.12E-07	8.32E-08
5880	487830.31, 3860771.72	1.27E-03	2.00E-07	7.86E-08	1.30E-03	2.04E-07	8.02E-08	1.30E-03	2.04E-07	8.01E-08
5881	487736.55, 3860773.63	1.23E-03	1.93E-07	7.59E-08	1.25E-03	1.97E-07	7.74E-08	1.25E-03	1.97E-07	7.74E-08
5882	487642.8, 3860775.54	1.19E-03	1.87E-07	7.36E-08	1.21E-03	1.91E-07	7.51E-08	1.21E-03	1.91E-07	7.50E-08
5883	487549.48, 3860684.71	1.19E-03	1.87E-07	7.36E-08	1.21E-03	1.91E-07	7.51E-08	1.21E-03	1.91E-07	7.50E-08
5884	487549.91, 3860591.97	1.22E-03	1.92E-07	7.53E-08	1.24E-03	1.95E-07	7.68E-08	1.24E-03	1.95E-07	7.67E-08
5885	487550.34, 3860499.23	1.25E-03	1.97E-07	7.74E-08	1.28E-03	2.01E-07	7.90E-08	1.27E-03	2.01E-07	7.89E-08
5886	487550.76, 3860406.49	1.29E-03	2.03E-07	7.98E-08	1.32E-03	2.07E-07	8.14E-08	1.31E-03	2.07E-07	8.13E-08
5887	487551.19, 3860313.75	1.32E-03	2.09E-07	8.20E-08	1.35E-03	2.13E-07	8.36E-08	1.35E-03	2.13E-07	8.35E-08
5888	487551.62, 3860221.01	1.36E-03	2.15E-07	8.43E-08	1.39E-03	2.19E-07	8.61E-08	1.39E-03	2.19E-07	8.60E-08
5889	487552.05, 3860128.27	1.41E-03	2.22E-07	8.73E-08	1.44E-03	2.27E-07	8.91E-08	1.44E-03	2.27E-07	8.90E-08
5890	487552.48, 3860035.53	1.46E-03	2.29E-07	9.01E-08	1.49E-03	2.34E-07	9.20E-08	1.48E-03	2.34E-07	9.19E-08
5891	487552.91, 3859942.79	1.49E-03	2.35E-07	9.21E-08	1.52E-03	2.39E-07	9.40E-08	1.52E-03	2.39E-07	9.39E-08
5892	487553.33, 3859850.05	1.54E-03	2.42E-07	9.52E-08	1.57E-03	2.47E-07	9.71E-08	1.57E-03	2.47E-07	9.70E-08
5893	487553.76, 3859757.31	1.58E-03	2.48E-07	9.75E-08	1.61E-03	2.53E-07	9.95E-08	1.61E-03	2.53E-07	9.94E-08
5894	487554.19, 3859664.57	1.61E-03	2.54E-07	9.97E-08	1.64E-03	2.59E-07	1.02E-07	1.64E-03	2.59E-07	1.02E-07
5895	487460.2, 3859571.05	1.55E-03	2.43E-07	9.56E-08	1.58E-03	2.48E-07	9.76E-08	1.58E-03	2.48E-07	9.75E-08
5896	487365.78, 3859570.27	1.47E-03	2.31E-07	9.09E-08	1.50E-03	2.36E-07	9.27E-08	1.50E-03	2.36E-07	9.26E-08
5897	487271.36, 3859569.48	1.40E-03	2.20E-07	8.65E-08	1.43E-03	2.25E-07	8.82E-08	1.42E-03	2.24E-07	8.81E-08
5898	487176.94, 3859568.7	1.33E-03	2.10E-07	8.25E-08	1.36E-03	2.14E-07	8.42E-08	1.36E-03	2.14E-07	8.41E-08
5899	487082.51, 3859567.92	1.28E-03	2.01E-07	7.90E-08	1.30E-03	2.05E-07	8.06E-08	1.30E-03	2.05E-07	8.05E-08
5900	486988.09, 3859567.14	1.22E-03	1.93E-07	7.58E-08	1.25E-03	1.97E-07	7.73E-08	1.25E-03	1.97E-07	7.72E-08
5901	486893.67, 3859566.36	1.18E-03	1.85E-07	7.29E-08	1.20E-03	1.89E-07	7.43E-08	1.20E-03	1.89E-07	7.43E-08
5902	486799.25, 3859565.58	1.13E-03	1.79E-07	7.02E-08	1.16E-03	1.82E-07	7.16E-08	1.16E-03	1.82E-07	7.15E-08
5903	486704.83, 3859564.79	1.09E-03	1.72E-07	6.77E-08	1.12E-03	1.76E-07	6.91E-08	1.12E-03	1.76E-07	6.90E-08
5904	486610.41, 3859564.01	1.06E-03	1.67E-07	6.55E-08	1.08E-03	1.70E-07	6.68E-08	1.08E-03	1.70E-07	6.67E-08
5905	486515.99, 3859563.23	1.02E-03	1.61E-07	6.33E-08	1.04E-03	1.64E-07	6.46E-08	1.04E-03	1.64E-07	6.45E-08
5906	486421.57, 3859562.45	9.91E-04	1.56E-07	6.13E-08	1.01E-03	1.59E-07	6.26E-08	1.01E-03	1.59E-07	6.25E-08
5907	486327.14, 3859561.67	9.62E-04	1.52E-07	5.96E-08	9.82E-04	1.55E-07	6.08E-08	9.81E-04	1.55E-07	6.07E-08
5908	486232.72, 3859560.89	9.34E-04	1.47E-07	5.78E-08	9.53E-04	1.50E-07	5.90E-08	9.52E-04	1.50E-07	5.89E-08
5909	486138.3, 3859560.1	9.09E-04	1.43E-07	5.63E-08	9.28E-04	1.46E-07	5.74E-08	9.27E-04	1.46E-07	5.73E-08
5910	486043.88, 3859559.32	8.85E-04	1.39E-07	5.48E-08	9.03E-04	1.42E-07	5.59E-08	9.02E-04	1.42E-07	5.58E-08
5911	485949.35, 3859463.54	8.72E-04	1.37E-07	5.40E-08	8.90E-04	1.40E-07	5.51E-08	8.89E-04	1.40E-07	5.50E-08
5912	485949.24, 3859368.55	8.81E-04	1.39E-07	5.45E-08	8.99E-04	1.42E-07	5.57E-08	8.98E-04	1.42E-07	5.56E-08
5913	485949.12, 3859273.55	8.90E-04	1.40E-07	5.51E-08	9.09E-04	1.43E-07	5.62E-08	9.08E-04	1.43E-07	5.62E-08
5914	485949.01, 3859178.56	8.99E-04	1.42E-07	5.56E-08	9.17E-04	1.45E-07	5.68E-08	9.16E-04	1.44E-07	5.67E-08
5915	485948.9, 3859083.56	9.09E-04	1.43E-07	5.62E-08	9.27E-04	1.46E-07	5.74E-08	9.26E-04	1.46E-07	5.73E-08
5916	485948.79, 3858988.56	9.17E-04	1.45E-07	5.68E-08	9.36E-04	1.47E-07	5.79E-08	9.35E-04	1.47E-07	5.79E-08
5917	485948.67, 3858893.57	9.25E-04	1.46E-07	5.72E-08	9.44E-04	1.49E-07	5.84E-08	9.42E-04	1.48E-07	5.83E-08
5918	485948.56, 3858798.57	9.32E-04	1.47E-07	5.77E-08	9.51E-04	1.50E-07	5.88E-08	9.50E-04	1.50E-07	5.88E-08

5919	485948.45, 3858703.58	9.33E-04	1.47E-07	5.78E-08	9.53E-04	1.50E-07	5.90E-08	9.51E-04	1.50E-07	5.89E-08
5920	485948.34, 3858608.58	9.36E-04	1.47E-07	5.79E-08	9.55E-04	1.50E-07	5.91E-08	9.54E-04	1.50E-07	5.90E-08
5921	485948.22, 3858513.59	9.35E-04	1.47E-07	5.79E-08	9.54E-04	1.50E-07	5.90E-08	9.53E-04	1.50E-07	5.90E-08
5922	485948.11, 3858418.59	9.31E-04	1.47E-07	5.76E-08	9.50E-04	1.50E-07	5.88E-08	9.48E-04	1.49E-07	5.87E-08
5923	485948, 3858323.59	9.24E-04	1.46E-07	5.72E-08	9.43E-04	1.48E-07	5.83E-08	9.42E-04	1.48E-07	5.83E-08
5924	485947.89, 3858228.6	9.12E-04	1.44E-07	5.64E-08	9.30E-04	1.47E-07	5.76E-08	9.29E-04	1.46E-07	5.75E-08
5925	485947.77, 3858133.6	8.97E-04	1.41E-07	5.55E-08	9.16E-04	1.44E-07	5.67E-08	9.14E-04	1.44E-07	5.66E-08
5926	485947.66, 3858038.61	8.84E-04	1.39E-07	5.47E-08	9.02E-04	1.42E-07	5.58E-08	9.01E-04	1.42E-07	5.58E-08
5927	485854.54, 3857943.35	8.62E-04	1.36E-07	5.33E-08	8.79E-04	1.39E-07	5.44E-08	8.78E-04	1.38E-07	5.43E-08
5928	485761.52, 3857943.09	8.55E-04	1.35E-07	5.29E-08	8.72E-04	1.37E-07	5.40E-08	8.71E-04	1.37E-07	5.39E-08
5929	485668.51, 3857942.83	8.48E-04	1.34E-07	5.25E-08	8.65E-04	1.36E-07	5.36E-08	8.64E-04	1.36E-07	5.35E-08
5930	485575.5, 3857942.56	8.40E-04	1.32E-07	5.20E-08	8.58E-04	1.35E-07	5.31E-08	8.57E-04	1.35E-07	5.30E-08
5931	485482.48, 3857942.3	8.34E-04	1.31E-07	5.16E-08	8.51E-04	1.34E-07	5.26E-08	8.50E-04	1.34E-07	5.26E-08
5932	485389.47, 3857942.04	8.26E-04	1.30E-07	5.11E-08	8.43E-04	1.33E-07	5.22E-08	8.42E-04	1.33E-07	5.21E-08
5933	485296.46, 3857941.78	8.19E-04	1.29E-07	5.07E-08	8.36E-04	1.32E-07	5.17E-08	8.35E-04	1.31E-07	5.17E-08
5934	485203.45, 3857941.52	8.12E-04	1.28E-07	5.02E-08	8.28E-04	1.30E-07	5.13E-08	8.27E-04	1.30E-07	5.12E-08
5935	485110.43, 3857941.26	8.04E-04	1.27E-07	4.97E-08	8.20E-04	1.29E-07	5.08E-08	8.19E-04	1.29E-07	5.07E-08
5936	485017.42, 3857940.99	7.96E-04	1.25E-07	4.93E-08	8.12E-04	1.28E-07	5.03E-08	8.11E-04	1.28E-07	5.02E-08
5937	484924.41, 3857940.73	7.88E-04	1.24E-07	4.88E-08	8.04E-04	1.27E-07	4.98E-08	8.03E-04	1.27E-07	4.97E-08
5938	484831.39, 3857940.47	7.81E-04	1.23E-07	4.83E-08	7.97E-04	1.26E-07	4.93E-08	7.96E-04	1.25E-07	4.93E-08
5939	484738.12, 3857859.3	7.74E-04	1.22E-07	4.79E-08	7.90E-04	1.24E-07	4.89E-08	7.89E-04	1.24E-07	4.88E-08
5940	484737.85, 3857778.4	7.74E-04	1.22E-07	4.79E-08	7.90E-04	1.24E-07	4.89E-08	7.89E-04	1.24E-07	4.88E-08
5941	484737.59, 3857697.49	7.73E-04	1.22E-07	4.79E-08	7.89E-04	1.24E-07	4.88E-08	7.88E-04	1.24E-07	4.88E-08
5942	484737.32, 3857616.59	7.72E-04	1.22E-07	4.78E-08	7.88E-04	1.24E-07	4.88E-08	7.87E-04	1.24E-07	4.87E-08
5943	484645.53, 3857535.18	7.68E-04	1.21E-07	4.75E-08	7.84E-04	1.23E-07	4.85E-08	7.83E-04	1.23E-07	4.84E-08
5944	484553.99, 3857534.67	7.65E-04	1.20E-07	4.73E-08	7.80E-04	1.23E-07	4.83E-08	7.79E-04	1.23E-07	4.82E-08
5945	484462.46, 3857534.17	7.62E-04	1.20E-07	4.72E-08	7.78E-04	1.22E-07	4.81E-08	7.77E-04	1.22E-07	4.81E-08
5946	484370.93, 3857533.66	7.60E-04	1.20E-07	4.70E-08	7.75E-04	1.22E-07	4.80E-08	7.74E-04	1.22E-07	4.79E-08
5947	484279.4, 3857533.16	7.58E-04	1.19E-07	4.69E-08	7.73E-04	1.22E-07	4.78E-08	7.72E-04	1.22E-07	4.78E-08
5948	484187.86, 3857532.65	7.56E-04	1.19E-07	4.68E-08	7.71E-04	1.21E-07	4.77E-08	7.70E-04	1.21E-07	4.77E-08
5949	484096.33, 3857532.15	7.54E-04	1.19E-07	4.67E-08	7.69E-04	1.21E-07	4.76E-08	7.69E-04	1.21E-07	4.76E-08
5950	484004.8, 3857531.64	7.52E-04	1.18E-07	4.65E-08	7.67E-04	1.21E-07	4.75E-08	7.66E-04	1.21E-07	4.74E-08
5951	483913.27, 3857531.14	7.49E-04	1.18E-07	4.63E-08	7.64E-04	1.20E-07	4.73E-08	7.63E-04	1.20E-07	4.72E-08
5952	483821.73, 3857530.63	7.45E-04	1.17E-07	4.61E-08	7.61E-04	1.20E-07	4.71E-08	7.60E-04	1.20E-07	4.70E-08
5953	483729.61, 3857450.11	7.47E-04	1.18E-07	4.62E-08	7.62E-04	1.20E-07	4.72E-08	7.61E-04	1.20E-07	4.71E-08
5954	483729.03, 3857370.08	7.52E-04	1.19E-07	4.66E-08	7.68E-04	1.21E-07	4.75E-08	7.67E-04	1.21E-07	4.75E-08
5955	483728.44, 3857290.06	7.57E-04	1.19E-07	4.68E-08	7.72E-04	1.22E-07	4.78E-08	7.72E-04	1.22E-07	4.77E-08
5956	483727.86, 3857210.03	7.62E-04	1.20E-07	4.71E-08	7.77E-04	1.22E-07	4.81E-08	7.76E-04	1.22E-07	4.80E-08
5957	483641.15, 3857129.07	7.66E-04	1.21E-07	4.74E-08	7.81E-04	1.23E-07	4.84E-08	7.81E-04	1.23E-07	4.83E-08
5958	483555.03, 3857128.14	7.64E-04	1.20E-07	4.73E-08	7.79E-04	1.23E-07	4.82E-08	7.78E-04	1.23E-07	4.82E-08
5959	483468.91, 3857127.2	7.61E-04	1.20E-07	4.71E-08	7.76E-04	1.22E-07	4.80E-08	7.75E-04	1.22E-07	4.80E-08
5960	483382.78, 3857126.26	7.59E-04	1.20E-07	4.70E-08	7.74E-04	1.22E-07	4.79E-08	7.73E-04	1.22E-07	4.79E-08
5961	483296.66, 3857125.32	7.56E-04	1.19E-07	4.68E-08	7.71E-04	1.21E-07	4.77E-08	7.70E-04	1.21E-07	4.77E-08
5962	483210.54, 3857124.39	7.52E-04	1.19E-07	4.66E-08	7.68E-04	1.21E-07	4.75E-08	7.67E-04	1.21E-07	4.75E-08
5963	483123.4, 3857030.96	7.58E-04	1.19E-07	4.69E-08	7.74E-04	1.22E-07	4.79E-08	7.73E-04	1.22E-07	4.78E-08
5964	483122.38, 3856938.46	7.68E-04	1.21E-07	4.75E-08	7.84E-04	1.23E-07	4.85E-08	7.83E-04	1.23E-07	4.84E-08
5965	483121.35, 3856845.97	7.79E-04	1.23E-07	4.82E-08	7.95E-04	1.25E-07	4.92E-08	7.94E-04	1.25E-07	4.91E-08
5966	483120.33, 3856753.47	7.90E-04	1.24E-07	4.89E-08	8.06E-04	1.27E-07	4.99E-08	8.05E-04	1.27E-07	4.98E-08
5967	483119.31, 3856660.98	8.02E-04	1.26E-07	4.97E-08	8.19E-04	1.29E-07	5.07E-08	8.18E-04	1.29E-07	5.06E-08
5968	483118.29, 3856568.49	8.18E-04	1.29E-07	5.06E-08	8.35E-04	1.31E-07	5.17E-08	8.34E-04	1.31E-07	5.16E-08
5969	483117.26, 3856475.99	8.36E-04	1.32E-07	5.18E-08	8.53E-04	1.34E-07	5.28E-08	8.52E-04	1.34E-07	5.27E-08
5970	483116.24, 3856383.5	8.56E-04	1.35E-07	5.30E-08	8.73E-04	1.38E-07	5.40E-08	8.72E-04	1.37E-07	5.40E-08
5971	483115.22, 3856291.01	8.78E-04	1.38E-07	5.43E-08	8.95E-04	1.41E-07	5.54E-08	8.94E-04	1.41E-07	5.54E-08
5972	483114.2, 3856198.51	9.00E-04	1.42E-07	5.57E-08	9.19E-04	1.45E-07	5.68E-08	9.17E-04	1.45E-07	5.68E-08
5973	483113.17, 3856106.02	9.27E-04	1.46E-07	5.74E-08	9.46E-04	1.49E-07	5.85E-08	9.45E-04	1.49E-07	5.85E-08
5974	483112.15, 3856013.52	9.54E-04	1.50E-07	5.90E-08	9.74E-04	1.53E-07	6.03E-08	9.72E-04	1.53E-07	6.02E-08
5975	483029.25, 3855920.47	9.80E-04	1.54E-07	6.07E-08	1.00E-03	1.58E-07	6.19E-08	9.99E-04	1.57E-07	6.18E-08
5976	482947.37, 3855919.91	9.77E-04	1.54E-07	6.05E-08	9.97E-04	1.57E-07	6.17E-08	9.96E-04	1.57E-07	6.16E-08
5977	482865.49, 3855919.36	9.75E-04	1.54E-07	6.03E-08	9.95E-04	1.57E-07	6.16E-08	9.93E-04	1.57E-07	6.15E-08
5978	482783.61, 3855918.8	9.74E-04	1.54E-07	6.03E-08	9.94E-04	1.57E-07	6.15E-08	9.93E-04	1.56E-07	6.15E-08
5979	482700.33, 3855818.39	1.01E-03	1.59E-07	6.23E-08	1.03E-03	1.62E-07	6.36E-08	1.03E-03	1.62E-07	6.35E-08
5980	482698.92, 3855718.54	1.05E-03	1.65E-07	6.47E-08	1.07E-03	1.68E-07	6.60E-08	1.07E-03	1.68E-07	6.59E-08
5981	482697.52, 3855618.68	1.08E-03	1.71E-07	6.71E-08	1.11E-03	1.74E-07	6.85E-08	1.10E-03	1.74E-07	6.84E-08

5982	482696.11, 3855518.83	1.13E-03	1.78E-07	6.98E-08	1.15E-03	1.81E-07	7.12E-08	1.15E-03	1.81E-07	7.11E-08
5983	482694.71, 3855418.98	1.17E-03	1.84E-07	7.25E-08	1.19E-03	1.88E-07	7.40E-08	1.19E-03	1.88E-07	7.39E-08
5984	482693.3, 3855319.13	1.22E-03	1.92E-07	7.54E-08	1.24E-03	1.96E-07	7.69E-08	1.24E-03	1.96E-07	7.69E-08
5985	482691.9, 3855219.27	1.27E-03	2.00E-07	7.87E-08	1.30E-03	2.04E-07	8.03E-08	1.30E-03	2.04E-07	8.02E-08
5986	482690.49, 3855119.42	1.33E-03	2.09E-07	8.22E-08	1.35E-03	2.13E-07	8.38E-08	1.35E-03	2.13E-07	8.37E-08
5987	482689.09, 3855019.57	1.39E-03	2.20E-07	8.63E-08	1.42E-03	2.24E-07	8.80E-08	1.42E-03	2.24E-07	8.79E-08
5988	482687.68, 3854919.72	1.46E-03	2.31E-07	9.07E-08	1.49E-03	2.35E-07	9.25E-08	1.49E-03	2.35E-07	9.24E-08
5989	482686.28, 3854819.86	1.55E-03	2.44E-07	9.58E-08	1.58E-03	2.49E-07	9.78E-08	1.58E-03	2.49E-07	9.76E-08
5990	482684.88, 3854720.01	1.64E-03	2.58E-07	1.01E-07	1.67E-03	2.63E-07	1.03E-07	1.67E-03	2.63E-07	1.03E-07
5991	482683.47, 3854620.16	1.74E-03	2.75E-07	1.08E-07	1.78E-03	2.80E-07	1.10E-07	1.78E-03	2.80E-07	1.10E-07
5992	482682.07, 3854520.31	1.86E-03	2.94E-07	1.15E-07	1.90E-03	3.00E-07	1.18E-07	1.90E-03	2.99E-07	1.18E-07
5993	482680.66, 3854420.45	2.01E-03	3.16E-07	1.24E-07	2.05E-03	3.22E-07	1.27E-07	2.04E-03	3.22E-07	1.27E-07
5994	482679.26, 3854320.6	2.17E-03	3.42E-07	1.34E-07	2.22E-03	3.49E-07	1.37E-07	2.21E-03	3.49E-07	1.37E-07
5995	482677.85, 3854220.75	2.38E-03	3.75E-07	1.47E-07	2.43E-03	3.83E-07	1.50E-07	2.43E-03	3.82E-07	1.50E-07
5996	482676.45, 3854120.9	2.63E-03	4.14E-07	1.63E-07	2.68E-03	4.23E-07	1.66E-07	2.68E-03	4.22E-07	1.66E-07
5997	482675.04, 3854021.04	2.95E-03	4.64E-07	1.82E-07	3.01E-03	4.74E-07	1.86E-07	3.00E-03	4.73E-07	1.86E-07
5998	482673.64, 3853921.19	3.36E-03	5.29E-07	2.08E-07	3.43E-03	5.40E-07	2.12E-07	3.42E-03	5.39E-07	2.12E-07
5999	482672.23, 3853821.34	3.98E-03	6.26E-07	2.46E-07	4.06E-03	6.39E-07	2.51E-07	4.05E-03	6.38E-07	2.51E-07
6000	482670.83, 3853721.49	4.94E-03	7.78E-07	3.06E-07	5.04E-03	7.94E-07	3.12E-07	5.04E-03	7.93E-07	3.12E-07
6001	482669.42, 3853621.63	6.57E-03	1.03E-06	4.06E-07	6.70E-03	1.06E-06	4.15E-07	6.69E-03	1.05E-06	4.14E-07
6002	482645.99, 3853446.13	1.28E-02	2.02E-06	7.92E-07	1.31E-02	2.06E-06	8.08E-07	1.30E-02	2.06E-06	8.07E-07
6003	482623.97, 3853370.49	1.53E-02	2.40E-06	9.44E-07	1.56E-02	2.45E-06	9.63E-07	1.55E-02	2.45E-06	9.62E-07
6004	482601.94, 3853294.84	1.73E-02	2.73E-06	1.07E-06	1.77E-02	2.79E-06	1.09E-06	1.77E-02	2.78E-06	1.09E-06
6005	482531.29, 3853133.44	2.08E-02	3.28E-06	1.29E-06	2.12E-02	3.35E-06	1.31E-06	2.12E-02	3.34E-06	1.31E-06
6006	482482.68, 3853047.69	2.32E-02	3.65E-06	1.43E-06	2.37E-02	3.73E-06	1.46E-06	2.36E-02	3.72E-06	1.46E-06
6007	482383.09, 3852897.4	2.89E-02	4.55E-06	1.79E-06	2.95E-02	4.64E-06	1.82E-06	2.94E-02	4.64E-06	1.82E-06
6008	482265.64, 3852765.26	3.09E-02	4.86E-06	1.91E-06	3.15E-02	4.96E-06	1.95E-06	3.14E-02	4.95E-06	1.95E-06
6009	482199.16, 3852697.66	3.08E-02	4.86E-06	1.91E-06	3.15E-02	4.96E-06	1.95E-06	3.14E-02	4.95E-06	1.94E-06
6010	482132.69, 3852630.07	3.10E-02	4.88E-06	1.92E-06	3.16E-02	4.98E-06	1.96E-06	3.16E-02	4.98E-06	1.96E-06
6011	482066.21, 3852562.48	3.08E-02	4.85E-06	1.91E-06	3.14E-02	4.95E-06	1.94E-06	3.14E-02	4.94E-06	1.94E-06
6012	481999.74, 3852494.89	3.02E-02	4.76E-06	1.87E-06	3.08E-02	4.86E-06	1.91E-06	3.08E-02	4.85E-06	1.91E-06
6013	481933.26, 3852427.29	2.95E-02	4.65E-06	1.83E-06	3.01E-02	4.74E-06	1.86E-06	3.01E-02	4.74E-06	1.86E-06
6014	481866.79, 3852359.7	2.93E-02	4.62E-06	1.82E-06	2.99E-02	4.71E-06	1.85E-06	2.99E-02	4.71E-06	1.85E-06
6015	481800.31, 3852292.11	2.92E-02	4.60E-06	1.81E-06	2.98E-02	4.70E-06	1.85E-06	2.98E-02	4.69E-06	1.84E-06
6016	481733.84, 3852224.52	2.90E-02	4.57E-06	1.80E-06	2.96E-02	4.67E-06	1.83E-06	2.96E-02	4.66E-06	1.83E-06
6017	481667.36, 3852156.92	2.96E-02	4.67E-06	1.83E-06	3.02E-02	4.76E-06	1.87E-06	3.02E-02	4.75E-06	1.87E-06
6018	481600.89, 3852089.33	2.93E-02	4.62E-06	1.81E-06	2.99E-02	4.71E-06	1.85E-06	2.99E-02	4.71E-06	1.85E-06
6019	481534.41, 3852021.74	2.91E-02	4.58E-06	1.80E-06	2.97E-02	4.67E-06	1.84E-06	2.96E-02	4.67E-06	1.83E-06
6020	481467.94, 3851954.15	2.93E-02	4.61E-06	1.81E-06	2.98E-02	4.70E-06	1.85E-06	2.98E-02	4.70E-06	1.85E-06
6021	481401.46, 3851886.55	3.01E-02	4.75E-06	1.87E-06	3.08E-02	4.85E-06	1.90E-06	3.07E-02	4.84E-06	1.90E-06
6022	481265.87, 3851761.43	3.08E-02	4.85E-06	1.91E-06	3.14E-02	4.95E-06	1.94E-06	3.14E-02	4.94E-06	1.94E-06
6023	481196.74, 3851703.89	3.14E-02	4.94E-06	1.94E-06	3.20E-02	5.04E-06	1.98E-06	3.20E-02	5.04E-06	1.98E-06
6024	481076.33, 3851619.05	3.15E-02	4.96E-06	1.95E-06	3.21E-02	5.06E-06	1.99E-06	3.21E-02	5.05E-06	1.99E-06
6025	480939.8, 3851549.07	3.00E-02	4.73E-06	1.86E-06	3.06E-02	4.82E-06	1.89E-06	3.06E-02	4.82E-06	1.89E-06
6026	480854.56, 3851506.41	2.99E-02	4.71E-06	1.85E-06	3.05E-02	4.81E-06	1.89E-06	3.05E-02	4.80E-06	1.89E-06
6027	480769.32, 3851463.75	3.03E-02	4.78E-06	1.88E-06	3.09E-02	4.87E-06	1.91E-06	3.09E-02	4.87E-06	1.91E-06
6028	480684.08, 3851421.08	3.08E-02	4.86E-06	1.91E-06	3.15E-02	4.95E-06	1.95E-06	3.14E-02	4.95E-06	1.94E-06
6029	480598.84, 3851378.42	3.07E-02	4.84E-06	1.90E-06	3.14E-02	4.94E-06	1.94E-06	3.13E-02	4.94E-06	1.94E-06
6030	480435.71, 3851275.01	3.64E-02	5.73E-06	2.25E-06	3.71E-02	5.85E-06	2.30E-06	3.71E-02	5.84E-06	2.29E-06
6031	480347.85, 3851232.36	3.62E-02	5.70E-06	2.24E-06	3.69E-02	5.82E-06	2.29E-06	3.69E-02	5.81E-06	2.28E-06
6032	480260, 3851189.72	3.61E-02	5.69E-06	2.24E-06	3.69E-02	5.81E-06	2.28E-06	3.68E-02	5.80E-06	2.28E-06
6033	480172.15, 3851147.07	3.60E-02	5.68E-06	2.23E-06	3.68E-02	5.79E-06	2.28E-06	3.67E-02	5.78E-06	2.27E-06
6034	480084.29, 3851104.42	3.61E-02	5.69E-06	2.24E-06	3.69E-02	5.81E-06	2.28E-06	3.68E-02	5.80E-06	2.28E-06
6035	479996.44, 3851061.77	3.63E-02	5.71E-06	2.24E-06	3.70E-02	5.83E-06	2.29E-06	3.69E-02	5.82E-06	2.29E-06
6036	479908.58, 3851019.13	3.79E-02	5.97E-06	2.35E-06	3.87E-02	6.09E-06	2.39E-06	3.86E-02	6.09E-06	2.39E-06
6037	479820.73, 3850976.48	3.79E-02	5.96E-06	2.34E-06	3.86E-02	6.08E-06	2.39E-06	3.86E-02	6.08E-06	2.39E-06
6038	479732.88, 3850933.83	3.79E-02	5.97E-06	2.35E-06	3.87E-02	6.09E-06	2.39E-06	3.86E-02	6.09E-06	2.39E-06
6039	479645.02, 3850891.18	3.80E-02	5.98E-06	2.35E-06	3.87E-02	6.10E-06	2.40E-06	3.87E-02	6.09E-06	2.39E-06
6040	479557.17, 3850848.54	3.76E-02	5.93E-06	2.33E-06	3.84E-02	6.05E-06	2.38E-06	3.84E-02	6.04E-06	2.37E-06
6041	479469.32, 3850805.89	3.86E-02	6.07E-06	2.39E-06	3.93E-02	6.20E-06	2.43E-06	3.93E-02	6.19E-06	2.43E-06
6042	479381.46, 3850763.24	3.81E-02	6.01E-06	2.36E-06	3.89E-02	6.13E-06	2.41E-06	3.89E-02	6.13E-06	2.41E-06
6043	479293.61, 3850720.59	3.71E-02	5.84E-06	2.29E-06	3.78E-02	5.96E-06	2.34E-06	3.78E-02	5.95E-06	2.34E-06
6044	479205.76, 3850677.95	3.62E-02	5.71E-06	2.24E-06	3.70E-02	5.82E-06	2.29E-06	3.69E-02	5.82E-06	2.29E-06

6045	479117.9, 3850635.3	3.47E-02	5.47E-06	2.15E-06	3.54E-02	5.58E-06	2.19E-06	3.54E-02	5.57E-06	2.19E-06
6046	479030.05, 3850592.65	3.38E-02	5.33E-06	2.09E-06	3.45E-02	5.44E-06	2.14E-06	3.45E-02	5.43E-06	2.14E-06
6047	478942.19, 3850550	3.45E-02	5.44E-06	2.14E-06	3.53E-02	5.55E-06	2.18E-06	3.52E-02	5.55E-06	2.18E-06
6048	478854.34, 3850507.36	3.81E-02	6.01E-06	2.36E-06	3.89E-02	6.13E-06	2.41E-06	3.89E-02	6.12E-06	2.41E-06
6049	478766.49, 3850464.71	3.88E-02	6.11E-06	2.40E-06	3.96E-02	6.24E-06	2.45E-06	3.95E-02	6.23E-06	2.45E-06
6050	478678.63, 3850422.06	3.88E-02	6.11E-06	2.40E-06	3.96E-02	6.24E-06	2.45E-06	3.96E-02	6.23E-06	2.45E-06
6051	478590.78, 3850379.41	3.91E-02	6.16E-06	2.42E-06	3.99E-02	6.29E-06	2.47E-06	3.99E-02	6.28E-06	2.47E-06
6052	478502.93, 3850336.77	3.90E-02	6.14E-06	2.41E-06	3.98E-02	6.27E-06	2.46E-06	3.97E-02	6.26E-06	2.46E-06
6053	478415.07, 3850294.12	3.85E-02	6.07E-06	2.39E-06	3.93E-02	6.20E-06	2.43E-06	3.93E-02	6.19E-06	2.43E-06
6054	478327.22, 3850251.47	3.91E-02	6.16E-06	2.42E-06	3.99E-02	6.28E-06	2.47E-06	3.98E-02	6.28E-06	2.47E-06
6055	478239.36, 3850208.82	3.94E-02	6.20E-06	2.44E-06	4.02E-02	6.33E-06	2.49E-06	4.01E-02	6.32E-06	2.48E-06
6056	478151.51, 3850166.18	3.95E-02	6.23E-06	2.45E-06	4.03E-02	6.35E-06	2.50E-06	4.03E-02	6.35E-06	2.49E-06
6057	478063.66, 3850123.53	3.97E-02	6.25E-06	2.46E-06	4.05E-02	6.38E-06	2.51E-06	4.05E-02	6.38E-06	2.50E-06
6058	477975.8, 3850080.88	3.77E-02	5.94E-06	2.33E-06	3.85E-02	6.06E-06	2.38E-06	3.85E-02	6.06E-06	2.38E-06
6059	477887.95, 3850038.23	3.74E-02	5.89E-06	2.31E-06	3.82E-02	6.01E-06	2.36E-06	3.81E-02	6.00E-06	2.36E-06
6060	477800.1, 3849995.59	3.66E-02	5.77E-06	2.26E-06	3.73E-02	5.88E-06	2.31E-06	3.73E-02	5.88E-06	2.31E-06
6061	477712.24, 3849952.94	3.68E-02	5.79E-06	2.27E-06	3.75E-02	5.91E-06	2.32E-06	3.75E-02	5.90E-06	2.32E-06
6062	477624.39, 3849910.29	3.67E-02	5.77E-06	2.27E-06	3.74E-02	5.89E-06	2.31E-06	3.74E-02	5.89E-06	2.31E-06
6063	477536.54, 3849867.64	3.60E-02	5.67E-06	2.23E-06	3.67E-02	5.79E-06	2.27E-06	3.67E-02	5.78E-06	2.27E-06
6064	477448.68, 3849825	3.59E-02	5.66E-06	2.22E-06	3.66E-02	5.77E-06	2.27E-06	3.66E-02	5.76E-06	2.26E-06
6065	477360.83, 3849782.35	3.57E-02	5.63E-06	2.21E-06	3.64E-02	5.74E-06	2.25E-06	3.64E-02	5.73E-06	2.25E-06
6066	477272.97, 3849739.7	3.56E-02	5.61E-06	2.20E-06	3.63E-02	5.72E-06	2.25E-06	3.63E-02	5.72E-06	2.25E-06
6067	477185.12, 3849697.05	3.54E-02	5.58E-06	2.19E-06	3.62E-02	5.70E-06	2.24E-06	3.61E-02	5.69E-06	2.24E-06
6068	477097.27, 3849654.41	3.58E-02	5.65E-06	2.22E-06	3.66E-02	5.76E-06	2.26E-06	3.65E-02	5.75E-06	2.26E-06
6069	477009.41, 3849611.76	3.74E-02	5.90E-06	2.32E-06	3.82E-02	6.02E-06	2.36E-06	3.82E-02	6.01E-06	2.36E-06
6070	476841.49, 3849530.08	3.84E-02	6.06E-06	2.38E-06	3.92E-02	6.18E-06	2.43E-06	3.92E-02	6.17E-06	2.43E-06
6071	476761.41, 3849491.05	3.88E-02	6.11E-06	2.40E-06	3.96E-02	6.24E-06	2.45E-06	3.95E-02	6.23E-06	2.45E-06
6072	476681.34, 3849452.02	4.05E-02	6.38E-06	2.51E-06	4.13E-02	6.51E-06	2.56E-06	4.13E-02	6.50E-06	2.55E-06
6073	476601.26, 3849412.99	4.39E-02	6.92E-06	2.72E-06	4.48E-02	7.06E-06	2.77E-06	4.48E-02	7.05E-06	2.77E-06
6074	476456.32, 3849353.67	5.26E-02	8.28E-06	3.25E-06	5.36E-02	8.45E-06	3.32E-06	5.36E-02	8.44E-06	3.32E-06
6075	476305.43, 3849318.84	4.99E-02	7.86E-06	3.09E-06	5.09E-02	8.02E-06	3.15E-06	5.09E-02	8.01E-06	3.15E-06
6076	476129.36, 3849289.99	4.91E-02	7.74E-06	3.04E-06	5.02E-02	7.90E-06	3.10E-06	5.01E-02	7.89E-06	3.10E-06
6077	476039.31, 3849275.68	4.81E-02	7.58E-06	2.98E-06	4.91E-02	7.74E-06	3.04E-06	4.91E-02	7.73E-06	3.04E-06
6078	475949.26, 3849261.38	5.00E-02	7.88E-06	3.09E-06	5.10E-02	8.04E-06	3.16E-06	5.10E-02	8.03E-06	3.15E-06
6079	475859.21, 3849247.08	4.81E-02	7.58E-06	2.98E-06	4.91E-02	7.74E-06	3.04E-06	4.90E-02	7.73E-06	3.04E-06
6080	475769.16, 3849232.77	4.63E-02	7.30E-06	2.87E-06	4.73E-02	7.44E-06	2.92E-06	4.72E-02	7.44E-06	2.92E-06
6081	475585.23, 3849219.27	2.52E-02	3.98E-06	1.56E-06	2.58E-02	4.06E-06	1.59E-06	2.57E-02	4.05E-06	1.59E-06
6082	475444.5, 3849150.35	4.78E-02	7.53E-06	2.96E-06	4.88E-02	7.68E-06	3.02E-06	4.87E-02	7.67E-06	3.01E-06
6083	475334.18, 3849118.71	3.60E-02	5.68E-06	2.23E-06	3.68E-02	5.79E-06	2.28E-06	3.67E-02	5.79E-06	2.27E-06
6084	475230.47, 3849060.57	3.62E-02	5.70E-06	2.24E-06	3.69E-02	5.81E-06	2.28E-06	3.68E-02	5.81E-06	2.28E-06
6085	475110.86, 3848960.97	4.32E-02	6.81E-06	2.67E-06	4.41E-02	6.95E-06	2.73E-06	4.40E-02	6.94E-06	2.73E-06
6086	475037.79, 3848896.28	4.49E-02	7.08E-06	2.78E-06	4.59E-02	7.22E-06	2.84E-06	4.58E-02	7.22E-06	2.83E-06
6087	474964.72, 3848831.59	4.65E-02	7.32E-06	2.88E-06	4.74E-02	7.47E-06	2.93E-06	4.74E-02	7.46E-06	2.93E-06
6088	474891.65, 3848766.9	4.63E-02	7.30E-06	2.87E-06	4.73E-02	7.45E-06	2.93E-06	4.72E-02	7.44E-06	2.92E-06
6089	474818.58, 3848702.22	4.67E-02	7.36E-06	2.89E-06	4.77E-02	7.51E-06	2.95E-06	4.76E-02	7.50E-06	2.95E-06
6090	474745.51, 3848637.53	4.22E-02	6.65E-06	2.61E-06	4.31E-02	6.78E-06	2.67E-06	4.30E-02	6.78E-06	2.66E-06
6091	474672.44, 3848572.84	4.16E-02	6.55E-06	2.57E-06	4.24E-02	6.69E-06	2.63E-06	4.24E-02	6.68E-06	2.62E-06
6092	474599.37, 3848508.15	4.28E-02	6.74E-06	2.65E-06	4.37E-02	6.88E-06	2.70E-06	4.36E-02	6.87E-06	2.70E-06
6093	474526.3, 3848443.46	4.26E-02	6.71E-06	2.64E-06	4.35E-02	6.85E-06	2.69E-06	4.34E-02	6.84E-06	2.69E-06

Leads - Park Risk

		2028 RD			2033 RD			2048 RD		
Rec#	X, Y	Concentra	Dose	Risk	Concentra	Dose	Risk	Concentra	Dose	Risk
1	485973.61, 3854936.51	1.18E-03	3.74E-07	1.59E-07	1.21E-03	3.82E-07	1.62E-07	1.21E-03	3.81E-07	1.62E-07
2	486023.61, 3854936.51	1.18E-03	3.72E-07	1.58E-07	1.20E-03	3.79E-07	1.61E-07	1.20E-03	3.79E-07	1.61E-07
3	486073.61, 3854936.51	1.17E-03	3.71E-07	1.57E-07	1.20E-03	3.78E-07	1.60E-07	1.20E-03	3.78E-07	1.60E-07
4	486123.61, 3854936.51	1.16E-03	3.66E-07	1.55E-07	1.18E-03	3.73E-07	1.58E-07	1.18E-03	3.73E-07	1.58E-07
5	486173.61, 3854936.51	1.16E-03	3.67E-07	1.56E-07	1.19E-03	3.74E-07	1.59E-07	1.18E-03	3.74E-07	1.59E-07
6	486223.61, 3854936.51	1.15E-03	3.64E-07	1.55E-07	1.18E-03	3.72E-07	1.58E-07	1.18E-03	3.71E-07	1.57E-07
7	486273.61, 3854936.51	1.15E-03	3.63E-07	1.54E-07	1.17E-03	3.70E-07	1.57E-07	1.17E-03	3.70E-07	1.57E-07
8	486323.61, 3854936.51	1.15E-03	3.62E-07	1.53E-07	1.17E-03	3.69E-07	1.57E-07	1.17E-03	3.69E-07	1.56E-07
9	485973.61, 3854986.51	1.17E-03	3.70E-07	1.57E-07	1.20E-03	3.77E-07	1.60E-07	1.19E-03	3.77E-07	1.60E-07
10	486023.61, 3854986.51	1.17E-03	3.68E-07	1.56E-07	1.19E-03	3.76E-07	1.59E-07	1.19E-03	3.75E-07	1.59E-07
11	486073.61, 3854986.51	1.16E-03	3.66E-07	1.55E-07	1.18E-03	3.73E-07	1.58E-07	1.18E-03	3.73E-07	1.58E-07
12	486123.61, 3854986.51	1.15E-03	3.63E-07	1.54E-07	1.17E-03	3.71E-07	1.57E-07	1.17E-03	3.70E-07	1.57E-07
13	486173.61, 3854986.51	1.15E-03	3.63E-07	1.54E-07	1.17E-03	3.70E-07	1.57E-07	1.17E-03	3.70E-07	1.57E-07
14	486223.61, 3854986.51	1.14E-03	3.60E-07	1.53E-07	1.16E-03	3.68E-07	1.56E-07	1.16E-03	3.67E-07	1.56E-07
15	486273.61, 3854986.51	1.13E-03	3.57E-07	1.51E-07	1.15E-03	3.64E-07	1.54E-07	1.15E-03	3.64E-07	1.54E-07
16	486323.61, 3854986.51	1.14E-03	3.59E-07	1.52E-07	1.16E-03	3.66E-07	1.55E-07	1.16E-03	3.66E-07	1.55E-07
17	485973.61, 3855036.51	1.16E-03	3.66E-07	1.55E-07	1.18E-03	3.74E-07	1.58E-07	1.18E-03	3.73E-07	1.58E-07
18	486023.61, 3855036.51	1.15E-03	3.64E-07	1.54E-07	1.18E-03	3.72E-07	1.58E-07	1.18E-03	3.71E-07	1.57E-07
19	486073.61, 3855036.51	1.14E-03	3.61E-07	1.53E-07	1.17E-03	3.68E-07	1.56E-07	1.16E-03	3.68E-07	1.56E-07
20	486123.61, 3855036.51	1.14E-03	3.59E-07	1.52E-07	1.16E-03	3.66E-07	1.55E-07	1.16E-03	3.66E-07	1.55E-07
21	486173.61, 3855036.51	1.14E-03	3.59E-07	1.52E-07	1.16E-03	3.66E-07	1.55E-07	1.16E-03	3.65E-07	1.55E-07
22	486223.61, 3855036.51	1.13E-03	3.55E-07	1.51E-07	1.15E-03	3.62E-07	1.54E-07	1.15E-03	3.62E-07	1.54E-07
23	486273.61, 3855036.51	1.13E-03	3.55E-07	1.51E-07	1.15E-03	3.63E-07	1.54E-07	1.15E-03	3.62E-07	1.54E-07
24	486323.61, 3855036.51	1.12E-03	3.53E-07	1.50E-07	1.14E-03	3.60E-07	1.53E-07	1.14E-03	3.60E-07	1.53E-07
25	485973.61, 3855086.51	1.15E-03	3.61E-07	1.53E-07	1.17E-03	3.69E-07	1.57E-07	1.17E-03	3.68E-07	1.56E-07
26	486023.61, 3855086.51	1.14E-03	3.60E-07	1.53E-07	1.17E-03	3.68E-07	1.56E-07	1.16E-03	3.67E-07	1.56E-07
27	486073.61, 3855086.51	1.13E-03	3.57E-07	1.52E-07	1.15E-03	3.64E-07	1.55E-07	1.15E-03	3.64E-07	1.54E-07
28	486123.61, 3855086.51	1.13E-03	3.56E-07	1.51E-07	1.15E-03	3.63E-07	1.54E-07	1.15E-03	3.63E-07	1.54E-07
29	486173.61, 3855086.51	1.12E-03	3.53E-07	1.50E-07	1.14E-03	3.60E-07	1.53E-07	1.14E-03	3.60E-07	1.53E-07
30	486223.61, 3855086.51	1.12E-03	3.52E-07	1.49E-07	1.14E-03	3.59E-07	1.52E-07	1.14E-03	3.59E-07	1.52E-07
31	485973.61, 3855136.51	1.13E-03	3.58E-07	1.52E-07	1.16E-03	3.65E-07	1.55E-07	1.16E-03	3.65E-07	1.55E-07
32	486023.61, 3855136.51	1.13E-03	3.56E-07	1.51E-07	1.15E-03	3.64E-07	1.54E-07	1.15E-03	3.63E-07	1.54E-07
33	486073.61, 3855136.51	1.12E-03	3.54E-07	1.50E-07	1.14E-03	3.61E-07	1.53E-07	1.14E-03	3.61E-07	1.53E-07
34	486123.61, 3855136.51	1.12E-03	3.52E-07	1.50E-07	1.14E-03	3.60E-07	1.53E-07	1.14E-03	3.59E-07	1.52E-07
35	486173.61, 3855136.51	1.11E-03	3.50E-07	1.49E-07	1.13E-03	3.57E-07	1.52E-07	1.13E-03	3.57E-07	1.51E-07
36	486223.61, 3855136.51	1.10E-03	3.48E-07	1.48E-07	1.13E-03	3.55E-07	1.51E-07	1.13E-03	3.55E-07	1.51E-07
37	485973.61, 3855186.51	1.12E-03	3.55E-07	1.51E-07	1.15E-03	3.62E-07	1.54E-07	1.15E-03	3.62E-07	1.53E-07
38	486023.61, 3855186.51	1.12E-03	3.53E-07	1.50E-07	1.14E-03	3.60E-07	1.53E-07	1.14E-03	3.60E-07	1.53E-07
39	486073.61, 3855186.51	1.11E-03	3.50E-07	1.49E-07	1.13E-03	3.57E-07	1.52E-07	1.13E-03	3.57E-07	1.51E-07
40	486123.61, 3855186.51	1.10E-03	3.47E-07	1.47E-07	1.12E-03	3.54E-07	1.50E-07	1.12E-03	3.54E-07	1.50E-07
41	486173.61, 3855186.51	1.10E-03	3.46E-07	1.47E-07	1.12E-03	3.53E-07	1.50E-07	1.12E-03	3.52E-07	1.49E-07
42	486223.61, 3855186.51	1.09E-03	3.44E-07	1.46E-07	1.11E-03	3.51E-07	1.49E-07	1.11E-03	3.51E-07	1.49E-07
43	486273.61, 3855186.51	1.08E-03	3.42E-07	1.45E-07	1.11E-03	3.49E-07	1.48E-07	1.10E-03	3.48E-07	1.48E-07
44	486323.61, 3855186.51	1.09E-03	3.44E-07	1.46E-07	1.11E-03	3.51E-07	1.49E-07	1.11E-03	3.51E-07	1.49E-07
45	485973.61, 3855236.51	1.11E-03	3.51E-07	1.49E-07	1.13E-03	3.58E-07	1.52E-07	1.13E-03	3.58E-07	1.52E-07
46	486023.61, 3855236.51	1.10E-03	3.48E-07	1.48E-07	1.13E-03	3.55E-07	1.51E-07	1.12E-03	3.55E-07	1.51E-07
47	486073.61, 3855236.51	1.09E-03	3.45E-07	1.46E-07	1.12E-03	3.52E-07	1.49E-07	1.11E-03	3.52E-07	1.49E-07
48	486123.61, 3855236.51	1.09E-03	3.43E-07	1.46E-07	1.11E-03	3.50E-07	1.49E-07	1.11E-03	3.50E-07	1.48E-07
49	486173.61, 3855236.51	1.08E-03	3.42E-07	1.45E-07	1.10E-03	3.49E-07	1.48E-07	1.10E-03	3.48E-07	1.48E-07
50	486223.61, 3855236.51	1.08E-03	3.40E-07	1.44E-07	1.10E-03	3.47E-07	1.47E-07	1.10E-03	3.46E-07	1.47E-07
51	486273.61, 3855236.51	1.06E-03	3.36E-07	1.42E-07	1.08E-03	3.42E-07	1.45E-07	1.08E-03	3.42E-07	1.45E-07
52	486323.61, 3855236.51	1.08E-03	3.40E-07	1.44E-07	1.10E-03	3.47E-07	1.47E-07	1.10E-03	3.47E-07	1.47E-07
53	485973.61, 3855286.51	1.10E-03	3.47E-07	1.47E-07	1.12E-03	3.54E-07	1.50E-07	1.12E-03	3.54E-07	1.50E-07
54	486023.61, 3855286.51	1.09E-03	3.44E-07	1.46E-07	1.11E-03	3.51E-07	1.49E-07	1.11E-03	3.51E-07	1.49E-07
55	486073.61, 3855286.51	1.08E-03	3.41E-07	1.45E-07	1.10E-03	3.48E-07	1.48E-07	1.10E-03	3.48E-07	1.48E-07
56	486123.61, 3855286.51	1.07E-03	3.39E-07	1.44E-07	1.10E-03	3.46E-07	1.47E-07	1.09E-03	3.45E-07	1.47E-07
57	486173.61, 3855286.51	1.07E-03	3.36E-07	1.43E-07	1.09E-03	3.43E-07	1.46E-07	1.09E-03	3.43E-07	1.46E-07
58	486223.61, 3855286.51	1.06E-03	3.35E-07	1.42E-07	1.08E-03	3.42E-07	1.45E-07	1.08E-03	3.42E-07	1.45E-07

59	486123.61, 3855336.51	1.06E-03	3.34E-07	1.42E-07	1.08E-03	3.41E-07	1.45E-07	1.08E-03	3.41E-07	1.45E-07
60	486173.61, 3855336.51	1.05E-03	3.33E-07	1.41E-07	1.08E-03	3.40E-07	1.44E-07	1.07E-03	3.39E-07	1.44E-07
61	486223.61, 3855336.51	1.05E-03	3.31E-07	1.40E-07	1.07E-03	3.38E-07	1.43E-07	1.07E-03	3.37E-07	1.43E-07
62	486123.61, 3855386.51	1.05E-03	3.31E-07	1.40E-07	1.07E-03	3.37E-07	1.43E-07	1.07E-03	3.37E-07	1.43E-07
63	486173.61, 3855386.51	1.04E-03	3.29E-07	1.40E-07	1.06E-03	3.36E-07	1.42E-07	1.06E-03	3.35E-07	1.42E-07
64	486223.61, 3855386.51	1.04E-03	3.27E-07	1.39E-07	1.06E-03	3.34E-07	1.42E-07	1.06E-03	3.34E-07	1.42E-07
65	486533.18, 3855443.15	1.01E-03	3.18E-07	1.35E-07	1.03E-03	3.25E-07	1.38E-07	1.03E-03	3.24E-07	1.38E-07
66	486583.18, 3855443.15	1.00E-03	3.17E-07	1.34E-07	1.02E-03	3.23E-07	1.37E-07	1.02E-03	3.23E-07	1.37E-07
67	486633.18, 3855443.15	9.99E-04	3.15E-07	1.34E-07	1.02E-03	3.22E-07	1.37E-07	1.02E-03	3.22E-07	1.36E-07
68	486683.18, 3855443.15	9.98E-04	3.15E-07	1.34E-07	1.02E-03	3.21E-07	1.36E-07	1.02E-03	3.21E-07	1.36E-07
69	486533.18, 3855493.15	9.96E-04	3.14E-07	1.33E-07	1.02E-03	3.21E-07	1.36E-07	1.02E-03	3.20E-07	1.36E-07
70	486583.18, 3855493.15	9.93E-04	3.13E-07	1.33E-07	1.01E-03	3.20E-07	1.36E-07	1.01E-03	3.19E-07	1.36E-07
71	486633.18, 3855493.15	9.89E-04	3.12E-07	1.32E-07	1.01E-03	3.19E-07	1.35E-07	1.01E-03	3.18E-07	1.35E-07
72	486683.18, 3855493.15	9.85E-04	3.11E-07	1.32E-07	1.01E-03	3.17E-07	1.35E-07	1.00E-03	3.17E-07	1.34E-07
73	486533.18, 3855543.15	9.86E-04	3.11E-07	1.32E-07	1.01E-03	3.18E-07	1.35E-07	1.00E-03	3.17E-07	1.35E-07
74	486583.18, 3855543.15	9.80E-04	3.09E-07	1.31E-07	1.00E-03	3.16E-07	1.34E-07	9.99E-04	3.15E-07	1.34E-07
75	486633.18, 3855543.15	9.77E-04	3.08E-07	1.31E-07	9.97E-04	3.15E-07	1.33E-07	9.96E-04	3.14E-07	1.33E-07
76	486683.18, 3855543.15	9.70E-04	3.06E-07	1.30E-07	9.90E-04	3.12E-07	1.33E-07	9.88E-04	3.12E-07	1.32E-07
77	486533.18, 3855593.15	9.74E-04	3.07E-07	1.30E-07	9.94E-04	3.14E-07	1.33E-07	9.93E-04	3.13E-07	1.33E-07
78	486583.18, 3855593.15	9.69E-04	3.06E-07	1.30E-07	9.89E-04	3.12E-07	1.32E-07	9.88E-04	3.12E-07	1.32E-07
79	486633.18, 3855593.15	9.65E-04	3.05E-07	1.29E-07	9.85E-04	3.11E-07	1.32E-07	9.84E-04	3.11E-07	1.32E-07
80	486683.18, 3855593.15	9.63E-04	3.04E-07	1.29E-07	9.82E-04	3.10E-07	1.32E-07	9.81E-04	3.10E-07	1.31E-07
81	486533.18, 3855643.15	9.63E-04	3.04E-07	1.29E-07	9.83E-04	3.10E-07	1.32E-07	9.82E-04	3.10E-07	1.31E-07
82	486583.18, 3855643.15	9.59E-04	3.03E-07	1.28E-07	9.79E-04	3.09E-07	1.31E-07	9.78E-04	3.09E-07	1.31E-07
83	486633.18, 3855643.15	9.55E-04	3.02E-07	1.28E-07	9.75E-04	3.08E-07	1.31E-07	9.74E-04	3.07E-07	1.30E-07
84	486683.18, 3855643.15	9.52E-04	3.00E-07	1.27E-07	9.71E-04	3.07E-07	1.30E-07	9.70E-04	3.06E-07	1.30E-07
85	486533.18, 3855693.15	9.55E-04	3.02E-07	1.28E-07	9.75E-04	3.08E-07	1.31E-07	9.74E-04	3.07E-07	1.30E-07
86	486583.18, 3855693.15	9.48E-04	2.99E-07	1.27E-07	9.68E-04	3.05E-07	1.30E-07	9.66E-04	3.05E-07	1.29E-07
87	486633.18, 3855693.15	9.41E-04	2.97E-07	1.26E-07	9.60E-04	3.03E-07	1.29E-07	9.59E-04	3.03E-07	1.28E-07
88	486683.18, 3855693.15	9.41E-04	2.97E-07	1.26E-07	9.60E-04	3.03E-07	1.29E-07	9.59E-04	3.03E-07	1.28E-07
89	486733.18, 3855693.15	9.45E-04	2.98E-07	1.27E-07	9.64E-04	3.04E-07	1.29E-07	9.63E-04	3.04E-07	1.29E-07
90	486783.18, 3855693.15	9.50E-04	3.00E-07	1.27E-07	9.69E-04	3.06E-07	1.30E-07	9.68E-04	3.06E-07	1.30E-07
91	486533.18, 3855743.15	9.46E-04	2.99E-07	1.27E-07	9.65E-04	3.05E-07	1.29E-07	9.64E-04	3.04E-07	1.29E-07
92	486583.18, 3855743.15	9.36E-04	2.95E-07	1.25E-07	9.55E-04	3.01E-07	1.28E-07	9.54E-04	3.01E-07	1.28E-07
93	486633.18, 3855743.15	9.31E-04	2.94E-07	1.25E-07	9.50E-04	3.00E-07	1.27E-07	9.49E-04	3.00E-07	1.27E-07
94	486683.18, 3855743.15	9.34E-04	2.95E-07	1.25E-07	9.53E-04	3.01E-07	1.28E-07	9.52E-04	3.00E-07	1.27E-07
95	486733.18, 3855743.15	9.33E-04	2.95E-07	1.25E-07	9.53E-04	3.01E-07	1.28E-07	9.51E-04	3.00E-07	1.27E-07
96	486783.18, 3855743.15	9.40E-04	2.97E-07	1.26E-07	9.59E-04	3.03E-07	1.28E-07	9.58E-04	3.02E-07	1.28E-07
97	486533.18, 3855793.15	9.38E-04	2.96E-07	1.26E-07	9.57E-04	3.02E-07	1.28E-07	9.56E-04	3.02E-07	1.28E-07
98	486583.18, 3855793.15	9.24E-04	2.92E-07	1.24E-07	9.43E-04	2.98E-07	1.26E-07	9.42E-04	2.97E-07	1.26E-07
99	486633.18, 3855793.15	9.25E-04	2.92E-07	1.24E-07	9.44E-04	2.98E-07	1.26E-07	9.43E-04	2.98E-07	1.26E-07
100	486683.18, 3855793.15	9.28E-04	2.93E-07	1.24E-07	9.47E-04	2.99E-07	1.27E-07	9.45E-04	2.98E-07	1.27E-07
101	486733.18, 3855793.15	9.28E-04	2.93E-07	1.24E-07	9.47E-04	2.99E-07	1.27E-07	9.46E-04	2.99E-07	1.27E-07
102	486783.18, 3855793.15	9.30E-04	2.94E-07	1.25E-07	9.49E-04	3.00E-07	1.27E-07	9.48E-04	2.99E-07	1.27E-07
103	486533.18, 3855843.15	9.27E-04	2.93E-07	1.24E-07	9.46E-04	2.99E-07	1.27E-07	9.45E-04	2.98E-07	1.27E-07
104	486583.18, 3855843.15	9.17E-04	2.89E-07	1.23E-07	9.36E-04	2.95E-07	1.25E-07	9.35E-04	2.95E-07	1.25E-07
105	486633.18, 3855843.15	9.18E-04	2.90E-07	1.23E-07	9.37E-04	2.96E-07	1.25E-07	9.36E-04	2.95E-07	1.25E-07
106	486683.18, 3855843.15	9.20E-04	2.90E-07	1.23E-07	9.39E-04	2.96E-07	1.26E-07	9.38E-04	2.96E-07	1.26E-07
107	486733.18, 3855843.15	9.22E-04	2.91E-07	1.23E-07	9.41E-04	2.97E-07	1.26E-07	9.39E-04	2.96E-07	1.26E-07
108	486783.18, 3855843.15	9.23E-04	2.91E-07	1.24E-07	9.42E-04	2.97E-07	1.26E-07	9.41E-04	2.97E-07	1.26E-07
109	486533.18, 3855893.15	9.13E-04	2.88E-07	1.22E-07	9.32E-04	2.94E-07	1.25E-07	9.31E-04	2.94E-07	1.25E-07
110	486583.18, 3855893.15	9.13E-04	2.88E-07	1.22E-07	9.31E-04	2.94E-07	1.25E-07	9.30E-04	2.94E-07	1.25E-07
111	486633.18, 3855893.15	9.12E-04	2.88E-07	1.22E-07	9.30E-04	2.94E-07	1.25E-07	9.29E-04	2.93E-07	1.24E-07
112	486683.18, 3855893.15	9.13E-04	2.88E-07	1.22E-07	9.32E-04	2.94E-07	1.25E-07	9.30E-04	2.94E-07	1.25E-07
113	486733.18, 3855893.15	9.14E-04	2.89E-07	1.22E-07	9.33E-04	2.94E-07	1.25E-07	9.32E-04	2.94E-07	1.25E-07
114	486783.18, 3855893.15	9.17E-04	2.89E-07	1.23E-07	9.36E-04	2.95E-07	1.25E-07	9.35E-04	2.95E-07	1.25E-07
115	486533.18, 3855943.15	9.07E-04	2.86E-07	1.21E-07	9.26E-04	2.92E-07	1.24E-07	9.25E-04	2.92E-07	1.24E-07
116	486583.18, 3855943.15	9.09E-04	2.87E-07	1.22E-07	9.27E-04	2.93E-07	1.24E-07	9.26E-04	2.92E-07	1.24E-07
117	486633.18, 3855943.15	9.06E-04	2.86E-07	1.21E-07	9.25E-04	2.92E-07	1.24E-07	9.24E-04	2.92E-07	1.24E-07
118	486683.18, 3855943.15	9.08E-04	2.87E-07	1.22E-07	9.26E-04	2.92E-07	1.24E-07	9.25E-04	2.92E-07	1.24E-07
119	486733.18, 3855943.15	9.08E-04	2.86E-07	1.22E-07	9.26E-04	2.92E-07	1.24E-07	9.25E-04	2.92E-07	1.24E-07
120	486783.18, 3855943.15	9.10E-04	2.87E-07	1.22E-07	9.29E-04	2.93E-07	1.24E-07	9.28E-04	2.93E-07	1.24E-07

121	486533.18, 3855993.15	9.05E-04	2.86E-07	1.21E-07	9.23E-04	2.91E-07	1.24E-07	9.22E-04	2.91E-07	1.23E-07
122	486583.18, 3855993.15	9.03E-04	2.85E-07	1.21E-07	9.22E-04	2.91E-07	1.23E-07	9.21E-04	2.91E-07	1.23E-07
123	486633.18, 3855993.15	9.02E-04	2.85E-07	1.21E-07	9.20E-04	2.90E-07	1.23E-07	9.19E-04	2.90E-07	1.23E-07
124	486683.18, 3855993.15	9.03E-04	2.85E-07	1.21E-07	9.21E-04	2.91E-07	1.23E-07	9.20E-04	2.90E-07	1.23E-07
125	486733.18, 3855993.15	9.02E-04	2.85E-07	1.21E-07	9.21E-04	2.91E-07	1.23E-07	9.20E-04	2.90E-07	1.23E-07
126	486783.18, 3855993.15	9.03E-04	2.85E-07	1.21E-07	9.22E-04	2.91E-07	1.23E-07	9.21E-04	2.91E-07	1.23E-07
127	486533.18, 3856043.15	9.02E-04	2.85E-07	1.21E-07	9.21E-04	2.91E-07	1.23E-07	9.20E-04	2.90E-07	1.23E-07
128	486583.18, 3856043.15	9.01E-04	2.84E-07	1.21E-07	9.20E-04	2.90E-07	1.23E-07	9.19E-04	2.90E-07	1.23E-07
129	486633.18, 3856043.15	8.98E-04	2.84E-07	1.20E-07	9.17E-04	2.89E-07	1.23E-07	9.16E-04	2.89E-07	1.23E-07
130	486683.18, 3856043.15	8.99E-04	2.84E-07	1.20E-07	9.17E-04	2.89E-07	1.23E-07	9.16E-04	2.89E-07	1.23E-07
131	486733.18, 3856043.15	8.97E-04	2.83E-07	1.20E-07	9.16E-04	2.89E-07	1.23E-07	9.14E-04	2.89E-07	1.22E-07
132	486783.18, 3856043.15	8.99E-04	2.84E-07	1.20E-07	9.18E-04	2.90E-07	1.23E-07	9.17E-04	2.89E-07	1.23E-07
133	486533.18, 3856093.15	9.02E-04	2.85E-07	1.21E-07	9.20E-04	2.90E-07	1.23E-07	9.19E-04	2.90E-07	1.23E-07
134	486583.18, 3856093.15	8.99E-04	2.84E-07	1.20E-07	9.17E-04	2.90E-07	1.23E-07	9.16E-04	2.89E-07	1.23E-07
135	486633.18, 3856093.15	8.96E-04	2.83E-07	1.20E-07	9.15E-04	2.89E-07	1.22E-07	9.14E-04	2.88E-07	1.22E-07
136	486683.18, 3856093.15	8.95E-04	2.83E-07	1.20E-07	9.14E-04	2.88E-07	1.22E-07	9.13E-04	2.88E-07	1.22E-07
137	486733.18, 3856093.15	8.94E-04	2.82E-07	1.20E-07	9.12E-04	2.88E-07	1.22E-07	9.11E-04	2.88E-07	1.22E-07
138	486783.18, 3856093.15	8.94E-04	2.82E-07	1.20E-07	9.13E-04	2.88E-07	1.22E-07	9.11E-04	2.88E-07	1.22E-07
139	486533.18, 3856143.15	9.00E-04	2.84E-07	1.21E-07	9.19E-04	2.90E-07	1.23E-07	9.18E-04	2.90E-07	1.23E-07
140	486583.18, 3856143.15	8.97E-04	2.83E-07	1.20E-07	9.15E-04	2.89E-07	1.23E-07	9.14E-04	2.88E-07	1.22E-07
141	486633.18, 3856143.15	8.95E-04	2.82E-07	1.20E-07	9.13E-04	2.88E-07	1.22E-07	9.12E-04	2.88E-07	1.22E-07
142	486683.18, 3856143.15	8.93E-04	2.82E-07	1.20E-07	9.11E-04	2.88E-07	1.22E-07	9.10E-04	2.87E-07	1.22E-07
143	486733.18, 3856143.15	8.91E-04	2.81E-07	1.19E-07	9.10E-04	2.87E-07	1.22E-07	9.08E-04	2.87E-07	1.22E-07
144	486783.18, 3856143.15	8.93E-04	2.82E-07	1.20E-07	9.11E-04	2.88E-07	1.22E-07	9.10E-04	2.87E-07	1.22E-07
145	486533.18, 3856193.15	9.01E-04	2.84E-07	1.21E-07	9.19E-04	2.90E-07	1.23E-07	9.18E-04	2.90E-07	1.23E-07
146	486583.18, 3856193.15	8.96E-04	2.83E-07	1.20E-07	9.14E-04	2.88E-07	1.22E-07	9.13E-04	2.88E-07	1.22E-07
147	486633.18, 3856193.15	8.94E-04	2.82E-07	1.20E-07	9.12E-04	2.88E-07	1.22E-07	9.11E-04	2.88E-07	1.22E-07
148	486683.18, 3856193.15	8.93E-04	2.82E-07	1.20E-07	9.12E-04	2.88E-07	1.22E-07	9.11E-04	2.87E-07	1.22E-07
149	486733.18, 3856193.15	8.90E-04	2.81E-07	1.19E-07	9.09E-04	2.87E-07	1.22E-07	9.08E-04	2.86E-07	1.22E-07
150	486783.18, 3856193.15	8.91E-04	2.81E-07	1.19E-07	9.09E-04	2.87E-07	1.22E-07	9.08E-04	2.87E-07	1.22E-07
151	486533.18, 3856243.15	9.00E-04	2.84E-07	1.21E-07	9.18E-04	2.90E-07	1.23E-07	9.17E-04	2.89E-07	1.23E-07
152	486583.18, 3856243.15	8.97E-04	2.83E-07	1.20E-07	9.15E-04	2.89E-07	1.23E-07	9.14E-04	2.89E-07	1.22E-07
153	486633.18, 3856243.15	8.94E-04	2.82E-07	1.20E-07	9.13E-04	2.88E-07	1.22E-07	9.11E-04	2.88E-07	1.22E-07
154	486683.18, 3856243.15	8.92E-04	2.82E-07	1.19E-07	9.10E-04	2.87E-07	1.22E-07	9.09E-04	2.87E-07	1.22E-07
155	486733.18, 3856243.15	8.91E-04	2.81E-07	1.19E-07	9.10E-04	2.87E-07	1.22E-07	9.08E-04	2.87E-07	1.22E-07
156	486783.18, 3856243.15	8.90E-04	2.81E-07	1.19E-07	9.08E-04	2.87E-07	1.22E-07	9.07E-04	2.86E-07	1.21E-07
157	486533.18, 3856293.15	8.99E-04	2.84E-07	1.20E-07	9.18E-04	2.90E-07	1.23E-07	9.17E-04	2.89E-07	1.23E-07
158	486583.18, 3856293.15	8.97E-04	2.83E-07	1.20E-07	9.15E-04	2.89E-07	1.23E-07	9.14E-04	2.88E-07	1.22E-07
159	486633.18, 3856293.15	8.95E-04	2.82E-07	1.20E-07	9.13E-04	2.88E-07	1.22E-07	9.12E-04	2.88E-07	1.22E-07
160	486683.18, 3856293.15	8.93E-04	2.82E-07	1.20E-07	9.11E-04	2.87E-07	1.22E-07	9.10E-04	2.87E-07	1.22E-07
161	486733.18, 3856293.15	8.92E-04	2.82E-07	1.19E-07	9.10E-04	2.87E-07	1.22E-07	9.09E-04	2.87E-07	1.22E-07
162	486783.18, 3856293.15	8.90E-04	2.81E-07	1.19E-07	9.08E-04	2.87E-07	1.22E-07	9.07E-04	2.86E-07	1.21E-07
163	486783.18, 3856343.15	8.92E-04	2.82E-07	1.19E-07	9.10E-04	2.87E-07	1.22E-07	9.09E-04	2.87E-07	1.22E-07
164	486833.18, 3856343.15	8.90E-04	2.81E-07	1.19E-07	9.09E-04	2.87E-07	1.22E-07	9.08E-04	2.86E-07	1.22E-07
165	486883.18, 3856343.15	8.89E-04	2.81E-07	1.19E-07	9.07E-04	2.86E-07	1.22E-07	9.06E-04	2.86E-07	1.21E-07
166	486783.18, 3856393.15	8.92E-04	2.82E-07	1.19E-07	9.10E-04	2.87E-07	1.22E-07	9.09E-04	2.87E-07	1.22E-07
167	486833.18, 3856393.15	8.91E-04	2.81E-07	1.19E-07	9.09E-04	2.87E-07	1.22E-07	9.08E-04	2.87E-07	1.22E-07
168	486883.18, 3856393.15	8.88E-04	2.80E-07	1.19E-07	9.07E-04	2.86E-07	1.21E-07	9.05E-04	2.86E-07	1.21E-07
169	487208.74, 3856886.11	9.11E-04	2.88E-07	1.22E-07	9.30E-04	2.93E-07	1.24E-07	9.29E-04	2.93E-07	1.24E-07
170	487258.74, 3856886.11	9.10E-04	2.87E-07	1.22E-07	9.29E-04	2.93E-07	1.24E-07	9.27E-04	2.93E-07	1.24E-07
171	487308.74, 3856886.11	9.08E-04	2.87E-07	1.22E-07	9.27E-04	2.93E-07	1.24E-07	9.26E-04	2.92E-07	1.24E-07
172	487358.74, 3856886.11	9.06E-04	2.86E-07	1.21E-07	9.25E-04	2.92E-07	1.24E-07	9.24E-04	2.92E-07	1.24E-07
173	487208.74, 3856936.11	9.16E-04	2.89E-07	1.23E-07	9.34E-04	2.95E-07	1.25E-07	9.33E-04	2.95E-07	1.25E-07
174	487258.74, 3856936.11	9.15E-04	2.89E-07	1.23E-07	9.34E-04	2.95E-07	1.25E-07	9.33E-04	2.94E-07	1.25E-07
175	487308.74, 3856936.11	9.15E-04	2.89E-07	1.22E-07	9.33E-04	2.95E-07	1.25E-07	9.32E-04	2.94E-07	1.25E-07
176	487358.74, 3856936.11	9.13E-04	2.88E-07	1.22E-07	9.32E-04	2.94E-07	1.25E-07	9.31E-04	2.94E-07	1.25E-07
177	487208.74, 3856986.11	9.18E-04	2.90E-07	1.23E-07	9.37E-04	2.96E-07	1.26E-07	9.36E-04	2.95E-07	1.25E-07
178	487258.74, 3856986.11	9.21E-04	2.91E-07	1.23E-07	9.40E-04	2.97E-07	1.26E-07	9.39E-04	2.96E-07	1.26E-07
179	487308.74, 3856986.11	9.21E-04	2.91E-07	1.23E-07	9.40E-04	2.97E-07	1.26E-07	9.39E-04	2.96E-07	1.26E-07
180	487358.74, 3856986.11	9.21E-04	2.91E-07	1.23E-07	9.40E-04	2.97E-07	1.26E-07	9.39E-04	2.96E-07	1.26E-07
181	487208.74, 3857036.11	9.21E-04	2.91E-07	1.23E-07	9.40E-04	2.97E-07	1.26E-07	9.39E-04	2.96E-07	1.26E-07
182	487258.74, 3857036.11	9.25E-04	2.92E-07	1.24E-07	9.44E-04	2.98E-07	1.26E-07	9.43E-04	2.98E-07	1.26E-07

183	487308.74, 3857036.11	9.28E-04	2.93E-07	1.24E-07	9.47E-04	2.99E-07	1.27E-07	9.46E-04	2.98E-07	1.27E-07
184	487358.74, 3857036.11	9.29E-04	2.93E-07	1.24E-07	9.48E-04	2.99E-07	1.27E-07	9.47E-04	2.99E-07	1.27E-07
185	487427.14, 3856878.23	9.05E-04	2.86E-07	1.21E-07	9.24E-04	2.92E-07	1.24E-07	9.23E-04	2.91E-07	1.24E-07
186	487477.14, 3856878.23	9.05E-04	2.86E-07	1.21E-07	9.23E-04	2.91E-07	1.24E-07	9.22E-04	2.91E-07	1.24E-07
187	487527.14, 3856878.23	9.05E-04	2.86E-07	1.21E-07	9.23E-04	2.91E-07	1.24E-07	9.22E-04	2.91E-07	1.23E-07
188	487427.14, 3856928.23	9.11E-04	2.88E-07	1.22E-07	9.30E-04	2.94E-07	1.25E-07	9.29E-04	2.93E-07	1.24E-07
189	487477.14, 3856928.23	9.10E-04	2.87E-07	1.22E-07	9.29E-04	2.93E-07	1.24E-07	9.27E-04	2.93E-07	1.24E-07
190	487527.14, 3856928.23	9.10E-04	2.87E-07	1.22E-07	9.29E-04	2.93E-07	1.24E-07	9.27E-04	2.93E-07	1.24E-07
191	487577.14, 3856928.23	9.10E-04	2.87E-07	1.22E-07	9.29E-04	2.93E-07	1.24E-07	9.28E-04	2.93E-07	1.24E-07
192	487627.14, 3856928.23	9.10E-04	2.87E-07	1.22E-07	9.28E-04	2.93E-07	1.24E-07	9.27E-04	2.93E-07	1.24E-07
193	487677.14, 3856928.23	9.12E-04	2.88E-07	1.22E-07	9.31E-04	2.94E-07	1.25E-07	9.30E-04	2.93E-07	1.24E-07
194	487727.14, 3856928.23	9.15E-04	2.89E-07	1.23E-07	9.34E-04	2.95E-07	1.25E-07	9.33E-04	2.94E-07	1.25E-07
195	487777.14, 3856928.23	9.18E-04	2.90E-07	1.23E-07	9.36E-04	2.96E-07	1.25E-07	9.35E-04	2.95E-07	1.25E-07
196	487427.14, 3856978.23	9.18E-04	2.90E-07	1.23E-07	9.37E-04	2.96E-07	1.25E-07	9.36E-04	2.95E-07	1.25E-07
197	487477.14, 3856978.23	9.18E-04	2.90E-07	1.23E-07	9.36E-04	2.96E-07	1.25E-07	9.35E-04	2.95E-07	1.25E-07
198	487527.14, 3856978.23	9.17E-04	2.90E-07	1.23E-07	9.36E-04	2.95E-07	1.25E-07	9.35E-04	2.95E-07	1.25E-07
199	487577.14, 3856978.23	9.17E-04	2.89E-07	1.23E-07	9.36E-04	2.95E-07	1.25E-07	9.35E-04	2.95E-07	1.25E-07
200	487627.14, 3856978.23	9.16E-04	2.89E-07	1.23E-07	9.35E-04	2.95E-07	1.25E-07	9.33E-04	2.95E-07	1.25E-07
201	487677.14, 3856978.23	9.18E-04	2.90E-07	1.23E-07	9.36E-04	2.96E-07	1.25E-07	9.35E-04	2.95E-07	1.25E-07
202	487727.14, 3856978.23	9.16E-04	2.89E-07	1.23E-07	9.35E-04	2.95E-07	1.25E-07	9.34E-04	2.95E-07	1.25E-07
203	487777.14, 3856978.23	9.23E-04	2.91E-07	1.24E-07	9.42E-04	2.97E-07	1.26E-07	9.41E-04	2.97E-07	1.26E-07
204	487427.14, 3857028.23	9.27E-04	2.92E-07	1.24E-07	9.46E-04	2.98E-07	1.27E-07	9.45E-04	2.98E-07	1.26E-07
205	487477.14, 3857028.23	9.26E-04	2.92E-07	1.24E-07	9.45E-04	2.98E-07	1.27E-07	9.44E-04	2.98E-07	1.26E-07
206	487527.14, 3857028.23	9.25E-04	2.92E-07	1.24E-07	9.44E-04	2.98E-07	1.26E-07	9.43E-04	2.98E-07	1.26E-07
207	487577.14, 3857028.23	9.25E-04	2.92E-07	1.24E-07	9.44E-04	2.98E-07	1.26E-07	9.42E-04	2.97E-07	1.26E-07
208	487627.14, 3857028.23	9.23E-04	2.91E-07	1.24E-07	9.42E-04	2.97E-07	1.26E-07	9.41E-04	2.97E-07	1.26E-07
209	487677.14, 3857028.23	9.24E-04	2.92E-07	1.24E-07	9.43E-04	2.98E-07	1.26E-07	9.42E-04	2.97E-07	1.26E-07
210	487727.14, 3857028.23	9.26E-04	2.92E-07	1.24E-07	9.45E-04	2.98E-07	1.27E-07	9.44E-04	2.98E-07	1.26E-07
211	487777.14, 3857028.23	9.29E-04	2.93E-07	1.24E-07	9.48E-04	2.99E-07	1.27E-07	9.47E-04	2.99E-07	1.27E-07
212	487427.14, 3857078.23	9.35E-04	2.95E-07	1.25E-07	9.54E-04	3.01E-07	1.28E-07	9.53E-04	3.01E-07	1.28E-07
213	487477.14, 3857078.23	9.34E-04	2.95E-07	1.25E-07	9.53E-04	3.01E-07	1.28E-07	9.52E-04	3.01E-07	1.28E-07
214	487527.14, 3857078.23	9.34E-04	2.95E-07	1.25E-07	9.53E-04	3.01E-07	1.28E-07	9.52E-04	3.00E-07	1.27E-07
215	487577.14, 3857078.23	9.33E-04	2.95E-07	1.25E-07	9.52E-04	3.01E-07	1.28E-07	9.51E-04	3.00E-07	1.27E-07
216	487627.14, 3857078.23	9.32E-04	2.94E-07	1.25E-07	9.51E-04	3.00E-07	1.27E-07	9.50E-04	3.00E-07	1.27E-07
217	487677.14, 3857078.23	9.32E-04	2.94E-07	1.25E-07	9.51E-04	3.00E-07	1.27E-07	9.50E-04	3.00E-07	1.27E-07
218	487727.14, 3857078.23	9.34E-04	2.95E-07	1.25E-07	9.53E-04	3.01E-07	1.28E-07	9.52E-04	3.00E-07	1.27E-07
219	487777.14, 3857078.23	9.35E-04	2.95E-07	1.25E-07	9.54E-04	3.01E-07	1.28E-07	9.53E-04	3.01E-07	1.28E-07
220	487427.14, 3857128.23	9.44E-04	2.98E-07	1.26E-07	9.63E-04	3.04E-07	1.29E-07	9.62E-04	3.04E-07	1.29E-07
221	487477.14, 3857128.23	9.44E-04	2.98E-07	1.26E-07	9.63E-04	3.04E-07	1.29E-07	9.62E-04	3.04E-07	1.29E-07
222	487527.14, 3857128.23	9.43E-04	2.98E-07	1.26E-07	9.62E-04	3.04E-07	1.29E-07	9.61E-04	3.03E-07	1.29E-07
223	487577.14, 3857128.23	9.42E-04	2.97E-07	1.26E-07	9.62E-04	3.03E-07	1.29E-07	9.60E-04	3.03E-07	1.29E-07
224	487627.14, 3857128.23	9.42E-04	2.97E-07	1.26E-07	9.61E-04	3.03E-07	1.29E-07	9.60E-04	3.03E-07	1.29E-07
225	487677.14, 3857128.23	9.41E-04	2.97E-07	1.26E-07	9.60E-04	3.03E-07	1.29E-07	9.59E-04	3.03E-07	1.28E-07
226	487727.14, 3857128.23	9.43E-04	2.98E-07	1.26E-07	9.62E-04	3.04E-07	1.29E-07	9.61E-04	3.03E-07	1.29E-07
227	487777.14, 3857128.23	9.43E-04	2.98E-07	1.26E-07	9.62E-04	3.04E-07	1.29E-07	9.61E-04	3.03E-07	1.29E-07
228	488049.44, 3856539.39	8.93E-04	2.82E-07	1.20E-07	9.11E-04	2.88E-07	1.22E-07	9.10E-04	2.87E-07	1.22E-07
229	488099.44, 3856539.39	8.90E-04	2.81E-07	1.19E-07	9.08E-04	2.87E-07	1.22E-07	9.07E-04	2.86E-07	1.21E-07
230	488149.44, 3856539.39	8.89E-04	2.81E-07	1.19E-07	9.07E-04	2.86E-07	1.21E-07	9.06E-04	2.86E-07	1.21E-07
231	488049.44, 3856589.39	8.95E-04	2.82E-07	1.20E-07	9.13E-04	2.88E-07	1.22E-07	9.12E-04	2.88E-07	1.22E-07
232	488099.44, 3856589.39	8.92E-04	2.82E-07	1.19E-07	9.10E-04	2.87E-07	1.22E-07	9.09E-04	2.87E-07	1.22E-07
233	488149.44, 3856589.39	8.90E-04	2.81E-07	1.19E-07	9.08E-04	2.87E-07	1.22E-07	9.07E-04	2.86E-07	1.21E-07
234	488199.44, 3856589.39	8.87E-04	2.80E-07	1.19E-07	9.05E-04	2.86E-07	1.21E-07	9.04E-04	2.85E-07	1.21E-07
235	488249.44, 3856589.39	8.88E-04	2.80E-07	1.19E-07	9.07E-04	2.86E-07	1.21E-07	9.05E-04	2.86E-07	1.21E-07
236	488049.44, 3856639.39	8.97E-04	2.83E-07	1.20E-07	9.16E-04	2.89E-07	1.23E-07	9.14E-04	2.89E-07	1.22E-07
237	488099.44, 3856639.39	8.94E-04	2.82E-07	1.20E-07	9.13E-04	2.88E-07	1.22E-07	9.11E-04	2.88E-07	1.22E-07
238	488149.44, 3856639.39	8.92E-04	2.82E-07	1.19E-07	9.10E-04	2.87E-07	1.22E-07	9.09E-04	2.87E-07	1.22E-07
239	488199.44, 3856639.39	8.91E-04	2.81E-07	1.19E-07	9.09E-04	2.87E-07	1.22E-07	9.08E-04	2.87E-07	1.22E-07
240	488249.44, 3856639.39	8.89E-04	2.81E-07	1.19E-07	9.07E-04	2.86E-07	1.22E-07	9.06E-04	2.86E-07	1.21E-07
241	488299.44, 3856639.39	8.88E-04	2.80E-07	1.19E-07	9.06E-04	2.86E-07	1.21E-07	9.05E-04	2.86E-07	1.21E-07
242	488349.44, 3856639.39	8.86E-04	2.80E-07	1.19E-07	9.04E-04	2.85E-07	1.21E-07	9.03E-04	2.85E-07	1.21E-07
243	488399.44, 3856639.39	8.86E-04	2.80E-07	1.19E-07	9.04E-04	2.85E-07	1.21E-07	9.03E-04	2.85E-07	1.21E-07
244	488099.44, 3856689.39	8.98E-04	2.84E-07	1.20E-07	9.17E-04	2.89E-07	1.23E-07	9.16E-04	2.89E-07	1.23E-07

245	488149.44, 3856689.39	8.95E-04	2.83E-07	1.20E-07	9.13E-04	2.88E-07	1.22E-07	9.12E-04	2.88E-07	1.22E-07
246	488199.44, 3856689.39	8.94E-04	2.82E-07	1.20E-07	9.12E-04	2.88E-07	1.22E-07	9.11E-04	2.87E-07	1.22E-07
247	488249.44, 3856689.39	8.91E-04	2.81E-07	1.19E-07	9.09E-04	2.87E-07	1.22E-07	9.08E-04	2.87E-07	1.22E-07
248	488299.44, 3856689.39	8.91E-04	2.81E-07	1.19E-07	9.09E-04	2.87E-07	1.22E-07	9.08E-04	2.87E-07	1.22E-07
249	488349.44, 3856689.39	8.88E-04	2.80E-07	1.19E-07	9.07E-04	2.86E-07	1.21E-07	9.05E-04	2.86E-07	1.21E-07
250	488399.44, 3856689.39	8.85E-04	2.79E-07	1.18E-07	9.03E-04	2.85E-07	1.21E-07	9.02E-04	2.85E-07	1.21E-07
251	488099.44, 3856739.39	9.04E-04	2.85E-07	1.21E-07	9.22E-04	2.91E-07	1.24E-07	9.21E-04	2.91E-07	1.23E-07
252	488149.44, 3856739.39	9.00E-04	2.84E-07	1.21E-07	9.18E-04	2.90E-07	1.23E-07	9.17E-04	2.89E-07	1.23E-07
253	488199.44, 3856739.39	8.99E-04	2.84E-07	1.20E-07	9.17E-04	2.90E-07	1.23E-07	9.16E-04	2.89E-07	1.23E-07
254	488249.44, 3856739.39	8.96E-04	2.83E-07	1.20E-07	9.14E-04	2.89E-07	1.22E-07	9.13E-04	2.88E-07	1.22E-07
255	488299.44, 3856739.39	8.91E-04	2.81E-07	1.19E-07	9.10E-04	2.87E-07	1.22E-07	9.08E-04	2.87E-07	1.22E-07
256	488349.44, 3856739.39	8.92E-04	2.82E-07	1.19E-07	9.10E-04	2.87E-07	1.22E-07	9.09E-04	2.87E-07	1.22E-07
257	488399.44, 3856739.39	8.93E-04	2.82E-07	1.20E-07	9.11E-04	2.88E-07	1.22E-07	9.10E-04	2.87E-07	1.22E-07
258	487999.44, 3856789.39	9.12E-04	2.88E-07	1.22E-07	9.30E-04	2.94E-07	1.25E-07	9.29E-04	2.93E-07	1.24E-07
259	488049.44, 3856789.39	9.10E-04	2.87E-07	1.22E-07	9.28E-04	2.93E-07	1.24E-07	9.27E-04	2.93E-07	1.24E-07
260	488099.44, 3856789.39	9.09E-04	2.87E-07	1.22E-07	9.27E-04	2.93E-07	1.24E-07	9.26E-04	2.92E-07	1.24E-07
261	488149.44, 3856789.39	9.06E-04	2.86E-07	1.21E-07	9.24E-04	2.92E-07	1.24E-07	9.23E-04	2.91E-07	1.24E-07
262	488199.44, 3856789.39	9.04E-04	2.85E-07	1.21E-07	9.22E-04	2.91E-07	1.23E-07	9.21E-04	2.91E-07	1.23E-07
263	488249.44, 3856789.39	9.01E-04	2.84E-07	1.21E-07	9.19E-04	2.90E-07	1.23E-07	9.18E-04	2.90E-07	1.23E-07
264	488299.44, 3856789.39	8.97E-04	2.83E-07	1.20E-07	9.16E-04	2.89E-07	1.23E-07	9.14E-04	2.89E-07	1.22E-07
265	488349.44, 3856789.39	8.98E-04	2.83E-07	1.20E-07	9.16E-04	2.89E-07	1.23E-07	9.15E-04	2.89E-07	1.23E-07
266	488399.44, 3856789.39	8.98E-04	2.83E-07	1.20E-07	9.16E-04	2.89E-07	1.23E-07	9.15E-04	2.89E-07	1.23E-07
267	487949.44, 3856839.39	9.18E-04	2.90E-07	1.23E-07	9.36E-04	2.96E-07	1.25E-07	9.35E-04	2.95E-07	1.25E-07
268	487999.44, 3856839.39	9.17E-04	2.89E-07	1.23E-07	9.36E-04	2.95E-07	1.25E-07	9.35E-04	2.95E-07	1.25E-07
269	488049.44, 3856839.39	9.15E-04	2.89E-07	1.23E-07	9.34E-04	2.95E-07	1.25E-07	9.33E-04	2.94E-07	1.25E-07
270	488099.44, 3856839.39	9.13E-04	2.88E-07	1.22E-07	9.32E-04	2.94E-07	1.25E-07	9.31E-04	2.94E-07	1.25E-07
271	488149.44, 3856839.39	9.12E-04	2.88E-07	1.22E-07	9.31E-04	2.94E-07	1.25E-07	9.30E-04	2.93E-07	1.24E-07
272	488199.44, 3856839.39	9.10E-04	2.87E-07	1.22E-07	9.29E-04	2.93E-07	1.24E-07	9.28E-04	2.93E-07	1.24E-07
273	487949.44, 3856889.39	9.21E-04	2.91E-07	1.23E-07	9.40E-04	2.97E-07	1.26E-07	9.39E-04	2.96E-07	1.26E-07
274	487999.44, 3856889.39	9.23E-04	2.91E-07	1.24E-07	9.42E-04	2.97E-07	1.26E-07	9.41E-04	2.97E-07	1.26E-07
275	488049.44, 3856889.39	9.20E-04	2.90E-07	1.23E-07	9.39E-04	2.96E-07	1.26E-07	9.38E-04	2.96E-07	1.26E-07
276	488099.44, 3856889.39	9.20E-04	2.90E-07	1.23E-07	9.39E-04	2.96E-07	1.26E-07	9.38E-04	2.96E-07	1.26E-07
277	488635.86, 3857895.05	1.35E-03	4.27E-07	1.81E-07	1.38E-03	4.36E-07	1.85E-07	1.38E-03	4.35E-07	1.85E-07
278	489137.64, 3857804.15	1.25E-03	3.96E-07	1.68E-07	1.28E-03	4.04E-07	1.71E-07	1.28E-03	4.03E-07	1.71E-07
279	488617.32, 3857859.41	1.32E-03	4.16E-07	1.76E-07	1.34E-03	4.24E-07	1.80E-07	1.34E-03	4.24E-07	1.80E-07
280	488667.32, 3857859.41	1.32E-03	4.17E-07	1.77E-07	1.35E-03	4.25E-07	1.80E-07	1.35E-03	4.25E-07	1.80E-07
281	488717.32, 3857859.41	1.33E-03	4.18E-07	1.78E-07	1.35E-03	4.27E-07	1.81E-07	1.35E-03	4.26E-07	1.81E-07
282	488767.32, 3857859.41	1.34E-03	4.22E-07	1.79E-07	1.36E-03	4.30E-07	1.83E-07	1.36E-03	4.30E-07	1.82E-07
283	488617.32, 3857909.41	1.37E-03	4.31E-07	1.83E-07	1.39E-03	4.40E-07	1.87E-07	1.39E-03	4.39E-07	1.86E-07
284	488667.32, 3857909.41	1.38E-03	4.36E-07	1.85E-07	1.41E-03	4.45E-07	1.89E-07	1.41E-03	4.44E-07	1.88E-07
285	488717.32, 3857909.41	1.37E-03	4.34E-07	1.84E-07	1.40E-03	4.42E-07	1.88E-07	1.40E-03	4.42E-07	1.87E-07
286	488767.32, 3857909.41	1.39E-03	4.38E-07	1.86E-07	1.42E-03	4.47E-07	1.90E-07	1.41E-03	4.46E-07	1.89E-07
287	488417.32, 3857959.41	1.41E-03	4.44E-07	1.88E-07	1.43E-03	4.53E-07	1.92E-07	1.43E-03	4.52E-07	1.92E-07
288	488467.32, 3857959.41	1.41E-03	4.45E-07	1.89E-07	1.44E-03	4.54E-07	1.93E-07	1.44E-03	4.54E-07	1.93E-07
289	488517.32, 3857959.41	1.42E-03	4.47E-07	1.90E-07	1.45E-03	4.56E-07	1.94E-07	1.44E-03	4.56E-07	1.93E-07
290	488567.32, 3857959.41	1.42E-03	4.48E-07	1.90E-07	1.45E-03	4.57E-07	1.94E-07	1.45E-03	4.57E-07	1.94E-07
291	488617.32, 3857959.41	1.42E-03	4.49E-07	1.91E-07	1.45E-03	4.58E-07	1.94E-07	1.45E-03	4.58E-07	1.94E-07
292	488667.32, 3857959.41	1.43E-03	4.50E-07	1.91E-07	1.46E-03	4.60E-07	1.95E-07	1.45E-03	4.59E-07	1.95E-07
293	488717.32, 3857959.41	1.43E-03	4.53E-07	1.92E-07	1.46E-03	4.62E-07	1.96E-07	1.46E-03	4.61E-07	1.96E-07
294	488767.32, 3857959.41	1.44E-03	4.54E-07	1.93E-07	1.47E-03	4.64E-07	1.97E-07	1.47E-03	4.63E-07	1.97E-07
295	488417.32, 3858009.41	1.46E-03	4.62E-07	1.96E-07	1.49E-03	4.71E-07	2.00E-07	1.49E-03	4.71E-07	2.00E-07
296	488467.32, 3858009.41	1.47E-03	4.64E-07	1.97E-07	1.50E-03	4.74E-07	2.01E-07	1.50E-03	4.73E-07	2.01E-07
297	488517.32, 3858009.41	1.47E-03	4.65E-07	1.97E-07	1.50E-03	4.75E-07	2.01E-07	1.50E-03	4.74E-07	2.01E-07
298	488567.32, 3858009.41	1.48E-03	4.67E-07	1.98E-07	1.51E-03	4.76E-07	2.02E-07	1.51E-03	4.76E-07	2.02E-07
299	488617.32, 3858009.41	1.48E-03	4.67E-07	1.98E-07	1.51E-03	4.77E-07	2.02E-07	1.51E-03	4.76E-07	2.02E-07
300	488667.32, 3858009.41	1.48E-03	4.68E-07	1.99E-07	1.51E-03	4.78E-07	2.03E-07	1.51E-03	4.77E-07	2.02E-07
301	488717.32, 3858009.41	1.49E-03	4.70E-07	1.99E-07	1.52E-03	4.80E-07	2.03E-07	1.52E-03	4.79E-07	2.03E-07
302	488767.32, 3858009.41	1.50E-03	4.72E-07	2.00E-07	1.53E-03	4.82E-07	2.04E-07	1.52E-03	4.81E-07	2.04E-07
303	488417.32, 3858059.41	1.53E-03	4.82E-07	2.04E-07	1.56E-03	4.91E-07	2.09E-07	1.56E-03	4.91E-07	2.08E-07
304	488467.32, 3858059.41	1.53E-03	4.84E-07	2.05E-07	1.57E-03	4.94E-07	2.10E-07	1.56E-03	4.93E-07	2.09E-07
305	488517.32, 3858059.41	1.54E-03	4.86E-07	2.06E-07	1.57E-03	4.96E-07	2.10E-07	1.57E-03	4.95E-07	2.10E-07
306	488567.32, 3858059.41	1.54E-03	4.87E-07	2.07E-07	1.57E-03	4.97E-07	2.11E-07	1.57E-03	4.96E-07	2.10E-07

307	488617.32, 3858059.41	1.55E-03	4.88E-07	2.07E-07	1.58E-03	4.98E-07	2.11E-07	1.58E-03	4.97E-07	2.11E-07
308	488667.32, 3858059.41	1.55E-03	4.89E-07	2.07E-07	1.58E-03	4.99E-07	2.12E-07	1.58E-03	4.98E-07	2.11E-07
309	488417.32, 3858109.41	1.59E-03	5.01E-07	2.13E-07	1.62E-03	5.11E-07	2.17E-07	1.62E-03	5.11E-07	2.17E-07
310	488467.32, 3858109.41	1.60E-03	5.05E-07	2.14E-07	1.63E-03	5.15E-07	2.19E-07	1.63E-03	5.15E-07	2.18E-07
311	488517.32, 3858109.41	1.61E-03	5.08E-07	2.16E-07	1.64E-03	5.18E-07	2.20E-07	1.64E-03	5.18E-07	2.20E-07
312	488567.32, 3858109.41	1.61E-03	5.09E-07	2.16E-07	1.65E-03	5.19E-07	2.20E-07	1.64E-03	5.19E-07	2.20E-07
313	488617.32, 3858109.41	1.62E-03	5.10E-07	2.17E-07	1.65E-03	5.21E-07	2.21E-07	1.65E-03	5.20E-07	2.21E-07
314	488667.32, 3858109.41	1.62E-03	5.11E-07	2.17E-07	1.65E-03	5.22E-07	2.21E-07	1.65E-03	5.21E-07	2.21E-07
315	488769.93, 3858449.27	2.50E-03	7.88E-07	3.34E-07	2.55E-03	8.04E-07	3.41E-07	2.55E-03	8.03E-07	3.41E-07
316	488819.93, 3858449.27	2.51E-03	7.93E-07	3.37E-07	2.56E-03	8.09E-07	3.43E-07	2.56E-03	8.08E-07	3.43E-07
317	488819.93, 3858499.27	2.75E-03	8.69E-07	3.69E-07	2.81E-03	8.87E-07	3.76E-07	2.81E-03	8.86E-07	3.76E-07
318	488869.93, 3858499.27	2.76E-03	8.72E-07	3.70E-07	2.82E-03	8.90E-07	3.77E-07	2.82E-03	8.89E-07	3.77E-07
319	488869.93, 3858549.27	3.06E-03	9.67E-07	4.10E-07	3.13E-03	9.87E-07	4.19E-07	3.12E-03	9.86E-07	4.18E-07
320	489438.17, 3859571.48	1.08E-02	3.42E-06	1.45E-06	1.11E-02	3.49E-06	1.48E-06	1.10E-02	3.49E-06	1.48E-06
321	489488.17, 3859571.48	1.18E-02	3.73E-06	1.58E-06	1.20E-02	3.80E-06	1.61E-06	1.20E-02	3.80E-06	1.61E-06
322	489538.17, 3859571.48	1.29E-02	4.08E-06	1.73E-06	1.32E-02	4.16E-06	1.77E-06	1.32E-02	4.16E-06	1.76E-06
323	489588.17, 3859571.48	1.42E-02	4.47E-06	1.90E-06	1.44E-02	4.56E-06	1.93E-06	1.44E-02	4.55E-06	1.93E-06
324	489438.17, 3859621.48	9.53E-03	3.01E-06	1.28E-06	9.73E-03	3.07E-06	1.30E-06	9.71E-03	3.07E-06	1.30E-06
325	489488.17, 3859621.48	1.03E-02	3.24E-06	1.38E-06	1.05E-02	3.31E-06	1.40E-06	1.05E-02	3.30E-06	1.40E-06
326	489538.17, 3859621.48	1.11E-02	3.51E-06	1.49E-06	1.14E-02	3.58E-06	1.52E-06	1.13E-02	3.58E-06	1.52E-06
327	489588.17, 3859621.48	1.22E-02	3.84E-06	1.63E-06	1.24E-02	3.92E-06	1.66E-06	1.24E-02	3.91E-06	1.66E-06
328	489238.17, 3859671.48	6.63E-03	2.09E-06	8.88E-07	6.77E-03	2.14E-06	9.07E-07	6.76E-03	2.13E-06	9.05E-07
329	489288.17, 3859671.48	7.02E-03	2.22E-06	9.40E-07	7.16E-03	2.26E-06	9.59E-07	7.15E-03	2.26E-06	9.58E-07
330	489338.17, 3859671.48	7.47E-03	2.36E-06	1.00E-06	7.62E-03	2.41E-06	1.02E-06	7.61E-03	2.40E-06	1.02E-06
331	489388.17, 3859671.48	8.00E-03	2.52E-06	1.07E-06	8.16E-03	2.58E-06	1.09E-06	8.15E-03	2.57E-06	1.09E-06
332	489438.17, 3859671.48	8.52E-03	2.69E-06	1.14E-06	8.69E-03	2.74E-06	1.16E-06	8.68E-03	2.74E-06	1.16E-06
333	489488.17, 3859671.48	9.17E-03	2.89E-06	1.23E-06	9.35E-03	2.95E-06	1.25E-06	9.34E-03	2.95E-06	1.25E-06
334	489538.17, 3859671.48	9.86E-03	3.11E-06	1.32E-06	1.01E-02	3.18E-06	1.35E-06	1.01E-02	3.17E-06	1.35E-06
335	489588.17, 3859671.48	1.07E-02	3.36E-06	1.43E-06	1.09E-02	3.43E-06	1.46E-06	1.09E-02	3.43E-06	1.46E-06
336	489238.17, 3859721.48	6.13E-03	1.93E-06	8.21E-07	6.25E-03	1.97E-06	8.38E-07	6.25E-03	1.97E-06	8.37E-07
337	489288.17, 3859721.48	6.50E-03	2.05E-06	8.70E-07	6.63E-03	2.09E-06	8.88E-07	6.62E-03	2.09E-06	8.87E-07
338	489338.17, 3859721.48	6.87E-03	2.17E-06	9.20E-07	7.01E-03	2.21E-06	9.39E-07	7.01E-03	2.21E-06	9.38E-07
339	489388.17, 3859721.48	7.28E-03	2.30E-06	9.75E-07	7.43E-03	2.35E-06	9.95E-07	7.42E-03	2.34E-06	9.94E-07
340	489438.17, 3859721.48	7.72E-03	2.44E-06	1.03E-06	7.88E-03	2.49E-06	1.05E-06	7.87E-03	2.48E-06	1.05E-06
341	489488.17, 3859721.48	8.26E-03	2.61E-06	1.11E-06	8.43E-03	2.66E-06	1.13E-06	8.42E-03	2.66E-06	1.13E-06
342	489538.17, 3859721.48	8.84E-03	2.79E-06	1.18E-06	9.02E-03	2.85E-06	1.21E-06	9.01E-03	2.84E-06	1.21E-06
343	489588.17, 3859721.48	9.48E-03	2.99E-06	1.27E-06	9.67E-03	3.05E-06	1.29E-06	9.66E-03	3.05E-06	1.29E-06
344	489238.17, 3859771.48	5.70E-03	1.80E-06	7.64E-07	5.82E-03	1.84E-06	7.79E-07	5.81E-03	1.83E-06	7.78E-07
345	489288.17, 3859771.48	6.02E-03	1.90E-06	8.06E-07	6.14E-03	1.94E-06	8.23E-07	6.14E-03	1.94E-06	8.22E-07
346	489338.17, 3859771.48	6.33E-03	2.00E-06	8.48E-07	6.46E-03	2.04E-06	8.65E-07	6.45E-03	2.04E-06	8.64E-07
347	489388.17, 3859771.48	6.68E-03	2.11E-06	8.95E-07	6.82E-03	2.15E-06	9.13E-07	6.81E-03	2.15E-06	9.12E-07
348	489438.17, 3859771.48	7.05E-03	2.22E-06	9.44E-07	7.19E-03	2.27E-06	9.63E-07	7.18E-03	2.27E-06	9.62E-07
349	489488.17, 3859771.48	7.52E-03	2.37E-06	1.01E-06	7.67E-03	2.42E-06	1.03E-06	7.67E-03	2.42E-06	1.03E-06
350	489538.17, 3859771.48	8.01E-03	2.53E-06	1.07E-06	8.17E-03	2.58E-06	1.09E-06	8.16E-03	2.58E-06	1.09E-06
351	489588.17, 3859771.48	8.51E-03	2.69E-06	1.14E-06	8.69E-03	2.74E-06	1.16E-06	8.68E-03	2.74E-06	1.16E-06
352	489238.17, 3859821.48	5.32E-03	1.68E-06	7.13E-07	5.43E-03	1.71E-06	7.27E-07	5.42E-03	1.71E-06	7.26E-07
353	489288.17, 3859821.48	5.60E-03	1.77E-06	7.50E-07	5.72E-03	1.80E-06	7.66E-07	5.71E-03	1.80E-06	7.65E-07
354	489338.17, 3859821.48	5.88E-03	1.85E-06	7.87E-07	6.00E-03	1.89E-06	8.03E-07	5.99E-03	1.89E-06	8.02E-07
355	489388.17, 3859821.48	6.18E-03	1.95E-06	8.27E-07	6.30E-03	1.99E-06	8.44E-07	6.30E-03	1.99E-06	8.43E-07
356	489438.17, 3859821.48	6.53E-03	2.06E-06	8.75E-07	6.67E-03	2.10E-06	8.93E-07	6.66E-03	2.10E-06	8.91E-07
357	489488.17, 3859821.48	6.91E-03	2.18E-06	9.25E-07	7.05E-03	2.22E-06	9.44E-07	7.04E-03	2.22E-06	9.43E-07
358	489538.17, 3859821.48	7.31E-03	2.31E-06	9.78E-07	7.46E-03	2.35E-06	9.98E-07	7.45E-03	2.35E-06	9.97E-07
359	489588.17, 3859821.48	7.72E-03	2.44E-06	1.03E-06	7.88E-03	2.49E-06	1.06E-06	7.87E-03	2.48E-06	1.05E-06
360	489238.17, 3859871.48	5.00E-03	1.58E-06	6.69E-07	5.10E-03	1.61E-06	6.83E-07	5.09E-03	1.61E-06	6.82E-07
361	489288.17, 3859871.48	5.23E-03	1.65E-06	7.00E-07	5.34E-03	1.68E-06	7.14E-07	5.33E-03	1.68E-06	7.14E-07
362	489338.17, 3859871.48	5.48E-03	1.73E-06	7.34E-07	5.59E-03	1.76E-06	7.48E-07	5.58E-03	1.76E-06	7.48E-07
363	489388.17, 3859871.48	5.76E-03	1.82E-06	7.71E-07	5.88E-03	1.85E-06	7.87E-07	5.87E-03	1.85E-06	7.86E-07
364	489438.17, 3859871.48	6.07E-03	1.92E-06	8.13E-07	6.20E-03	1.96E-06	8.30E-07	6.19E-03	1.95E-06	8.29E-07
365	489488.17, 3859871.48	6.39E-03	2.02E-06	8.55E-07	6.52E-03	2.06E-06	8.73E-07	6.51E-03	2.05E-06	8.72E-07
366	489538.17, 3859871.48	6.71E-03	2.12E-06	8.98E-07	6.84E-03	2.16E-06	9.16E-07	6.83E-03	2.16E-06	9.15E-07
367	489588.17, 3859871.48	7.05E-03	2.22E-06	9.44E-07	7.19E-03	2.27E-06	9.63E-07	7.18E-03	2.27E-06	9.62E-07
368	489238.17, 3859921.48	4.71E-03	1.49E-06	6.31E-07	4.81E-03	1.52E-06	6.44E-07	4.81E-03	1.52E-06	6.44E-07

369	489288.17, 3859921.48	4.94E-03	1.56E-06	6.61E-07	5.04E-03	1.59E-06	6.75E-07	5.03E-03	1.59E-06	6.74E-07
370	489338.17, 3859921.48	5.16E-03	1.63E-06	6.90E-07	5.26E-03	1.66E-06	7.05E-07	5.26E-03	1.66E-06	7.04E-07
371	489388.17, 3859921.48	5.40E-03	1.71E-06	7.23E-07	5.51E-03	1.74E-06	7.38E-07	5.51E-03	1.74E-06	7.37E-07
372	489438.17, 3859921.48	5.66E-03	1.79E-06	7.57E-07	5.77E-03	1.82E-06	7.73E-07	5.77E-03	1.82E-06	7.72E-07
373	489488.17, 3859921.48	5.91E-03	1.86E-06	7.91E-07	6.03E-03	1.90E-06	8.07E-07	6.02E-03	1.90E-06	8.06E-07
374	489538.17, 3859921.48	6.17E-03	1.95E-06	8.26E-07	6.30E-03	1.99E-06	8.43E-07	6.29E-03	1.98E-06	8.42E-07
375	489588.17, 3859921.48	6.43E-03	2.03E-06	8.61E-07	6.56E-03	2.07E-06	8.78E-07	6.55E-03	2.07E-06	8.77E-07
376	489238.17, 3859971.48	4.46E-03	1.41E-06	5.98E-07	4.56E-03	1.44E-06	6.10E-07	4.55E-03	1.44E-06	6.09E-07
377	489288.17, 3859971.48	4.65E-03	1.47E-06	6.23E-07	4.75E-03	1.50E-06	6.35E-07	4.74E-03	1.50E-06	6.35E-07
378	489338.17, 3859971.48	4.85E-03	1.53E-06	6.50E-07	4.95E-03	1.56E-06	6.63E-07	4.95E-03	1.56E-06	6.62E-07
379	489388.17, 3859971.48	5.07E-03	1.60E-06	6.78E-07	5.17E-03	1.63E-06	6.92E-07	5.16E-03	1.63E-06	6.91E-07
380	489438.17, 3859971.48	5.25E-03	1.66E-06	7.03E-07	5.36E-03	1.69E-06	7.17E-07	5.35E-03	1.69E-06	7.16E-07
381	489488.17, 3859971.48	5.31E-03	1.68E-06	7.11E-07	5.42E-03	1.71E-06	7.26E-07	5.42E-03	1.71E-06	7.25E-07
382	489538.17, 3859971.48	5.40E-03	1.70E-06	7.23E-07	5.51E-03	1.74E-06	7.37E-07	5.50E-03	1.74E-06	7.36E-07
383	489588.17, 3859971.48	5.47E-03	1.73E-06	7.33E-07	5.58E-03	1.76E-06	7.48E-07	5.58E-03	1.76E-06	7.47E-07
384	483577.7, 3854071	2.72E-03	8.58E-07	3.64E-07	2.77E-03	8.75E-07	3.71E-07	2.77E-03	8.74E-07	3.71E-07
385	483627.7, 3854071	2.71E-03	8.54E-07	3.62E-07	2.76E-03	8.71E-07	3.70E-07	2.76E-03	8.70E-07	3.69E-07
386	483677.7, 3854071	2.69E-03	8.48E-07	3.60E-07	2.74E-03	8.65E-07	3.67E-07	2.74E-03	8.64E-07	3.67E-07
387	483727.7, 3854071	2.67E-03	8.42E-07	3.57E-07	2.72E-03	8.59E-07	3.64E-07	2.72E-03	8.58E-07	3.64E-07
388	483777.7, 3854071	2.63E-03	8.29E-07	3.52E-07	2.68E-03	8.46E-07	3.59E-07	2.68E-03	8.45E-07	3.58E-07
389	483577.7, 3854121	2.57E-03	8.12E-07	3.44E-07	2.62E-03	8.28E-07	3.51E-07	2.62E-03	8.27E-07	3.51E-07
390	483627.7, 3854121	2.55E-03	8.05E-07	3.42E-07	2.60E-03	8.22E-07	3.49E-07	2.60E-03	8.21E-07	3.48E-07
391	483677.7, 3854121	2.52E-03	7.96E-07	3.38E-07	2.57E-03	8.12E-07	3.45E-07	2.57E-03	8.11E-07	3.44E-07
392	483727.7, 3854121	2.49E-03	7.85E-07	3.33E-07	2.54E-03	8.01E-07	3.40E-07	2.53E-03	8.00E-07	3.39E-07
393	483777.7, 3854121	2.46E-03	7.78E-07	3.30E-07	2.51E-03	7.94E-07	3.37E-07	2.51E-03	7.93E-07	3.36E-07
394	483577.7, 3854171	2.42E-03	7.63E-07	3.24E-07	2.47E-03	7.78E-07	3.30E-07	2.46E-03	7.77E-07	3.30E-07
395	483627.7, 3854171	2.38E-03	7.52E-07	3.19E-07	2.43E-03	7.68E-07	3.26E-07	2.43E-03	7.67E-07	3.25E-07
396	483677.7, 3854171	2.36E-03	7.44E-07	3.16E-07	2.41E-03	7.60E-07	3.22E-07	2.40E-03	7.59E-07	3.22E-07
397	483727.7, 3854171	2.34E-03	7.38E-07	3.13E-07	2.39E-03	7.53E-07	3.20E-07	2.38E-03	7.53E-07	3.19E-07
398	483777.7, 3854171	2.32E-03	7.31E-07	3.10E-07	2.36E-03	7.46E-07	3.16E-07	2.36E-03	7.45E-07	3.16E-07
399	483827.7, 3854171	2.27E-03	7.16E-07	3.04E-07	2.32E-03	7.31E-07	3.10E-07	2.31E-03	7.30E-07	3.10E-07
400	483877.7, 3854171	2.24E-03	7.08E-07	3.01E-07	2.29E-03	7.23E-07	3.07E-07	2.29E-03	7.22E-07	3.06E-07
401	483727.7, 3854221	2.21E-03	6.97E-07	2.96E-07	2.25E-03	7.12E-07	3.02E-07	2.25E-03	7.11E-07	3.02E-07
402	483777.7, 3854221	2.18E-03	6.89E-07	2.92E-07	2.23E-03	7.03E-07	2.98E-07	2.23E-03	7.02E-07	2.98E-07
403	483827.7, 3854221	2.18E-03	6.89E-07	2.92E-07	2.23E-03	7.03E-07	2.98E-07	2.23E-03	7.02E-07	2.98E-07
404	483877.7, 3854221	2.15E-03	6.78E-07	2.88E-07	2.19E-03	6.92E-07	2.94E-07	2.19E-03	6.91E-07	2.93E-07
405	489150.19, 3858726.45	5.68E-03	1.79E-06	7.61E-07	5.80E-03	1.83E-06	7.76E-07	5.79E-03	1.83E-06	7.75E-07
406	489200.19, 3858726.45	5.84E-03	1.84E-06	7.82E-07	5.96E-03	1.88E-06	7.98E-07	5.95E-03	1.88E-06	7.97E-07
407	489150.19, 3858776.45	7.97E-03	2.52E-06	1.07E-06	8.13E-03	2.57E-06	1.09E-06	8.12E-03	2.56E-06	1.09E-06
408	489200.19, 3858776.45	8.11E-03	2.56E-06	1.09E-06	8.28E-03	2.61E-06	1.11E-06	8.27E-03	2.61E-06	1.11E-06
409	488919.6, 3856400.76	9.14E-04	2.89E-07	1.22E-07	9.33E-04	2.94E-07	1.25E-07	9.32E-04	2.94E-07	1.25E-07
410	488919.6, 3856450.76	9.09E-04	2.87E-07	1.22E-07	9.27E-04	2.93E-07	1.24E-07	9.26E-04	2.92E-07	1.24E-07
411	488969.6, 3856450.76	9.09E-04	2.87E-07	1.22E-07	9.28E-04	2.93E-07	1.24E-07	9.27E-04	2.92E-07	1.24E-07
412	488919.6, 3856500.76	9.04E-04	2.85E-07	1.21E-07	9.22E-04	2.91E-07	1.23E-07	9.21E-04	2.91E-07	1.23E-07
413	488969.6, 3856500.76	9.05E-04	2.86E-07	1.21E-07	9.23E-04	2.91E-07	1.24E-07	9.22E-04	2.91E-07	1.24E-07
414	488919.6, 3856550.76	9.00E-04	2.84E-07	1.21E-07	9.19E-04	2.90E-07	1.23E-07	9.18E-04	2.90E-07	1.23E-07
415	488969.6, 3856550.76	9.01E-04	2.84E-07	1.21E-07	9.19E-04	2.90E-07	1.23E-07	9.18E-04	2.90E-07	1.23E-07
416	488819.6, 3856600.76	8.95E-04	2.82E-07	1.20E-07	9.13E-04	2.88E-07	1.22E-07	9.12E-04	2.88E-07	1.22E-07
417	488869.6, 3856600.76	8.95E-04	2.83E-07	1.20E-07	9.14E-04	2.88E-07	1.22E-07	9.13E-04	2.88E-07	1.22E-07
418	488919.6, 3856600.76	8.97E-04	2.83E-07	1.20E-07	9.15E-04	2.89E-07	1.23E-07	9.14E-04	2.88E-07	1.22E-07
419	488819.6, 3856650.76	8.92E-04	2.82E-07	1.19E-07	9.10E-04	2.87E-07	1.22E-07	9.09E-04	2.87E-07	1.22E-07
420	488869.6, 3856650.76	8.93E-04	2.82E-07	1.20E-07	9.11E-04	2.88E-07	1.22E-07	9.10E-04	2.87E-07	1.22E-07
421	488819.6, 3856700.76	8.91E-04	2.81E-07	1.19E-07	9.09E-04	2.87E-07	1.22E-07	9.08E-04	2.87E-07	1.22E-07
422	488869.6, 3856700.76	8.92E-04	2.81E-07	1.19E-07	9.10E-04	2.87E-07	1.22E-07	9.09E-04	2.87E-07	1.22E-07
423	488819.6, 3856750.76	8.90E-04	2.81E-07	1.19E-07	9.09E-04	2.87E-07	1.22E-07	9.08E-04	2.86E-07	1.22E-07
424	488869.6, 3856750.76	8.92E-04	2.81E-07	1.19E-07	9.10E-04	2.87E-07	1.22E-07	9.09E-04	2.87E-07	1.22E-07
425	488819.6, 3857050.76	9.21E-04	2.91E-07	1.23E-07	9.39E-04	2.96E-07	1.26E-07	9.38E-04	2.96E-07	1.26E-07
426	488869.6, 3857050.76	9.19E-04	2.90E-07	1.23E-07	9.38E-04	2.96E-07	1.26E-07	9.37E-04	2.96E-07	1.25E-07
427	488919.6, 3857050.76	9.17E-04	2.90E-07	1.23E-07	9.36E-04	2.95E-07	1.25E-07	9.35E-04	2.95E-07	1.25E-07
428	488819.6, 3857100.76	9.32E-04	2.94E-07	1.25E-07	9.51E-04	3.00E-07	1.27E-07	9.50E-04	3.00E-07	1.27E-07
429	488869.6, 3857100.76	9.29E-04	2.93E-07	1.24E-07	9.48E-04	2.99E-07	1.27E-07	9.47E-04	2.99E-07	1.27E-07
430	488919.6, 3857100.76	9.27E-04	2.93E-07	1.24E-07	9.46E-04	2.99E-07	1.27E-07	9.45E-04	2.98E-07	1.27E-07

431	488819.6, 3857150.76	9.45E-04	2.98E-07	1.27E-07	9.64E-04	3.04E-07	1.29E-07	9.63E-04	3.04E-07	1.29E-07
432	488869.6, 3857150.76	9.42E-04	2.97E-07	1.26E-07	9.61E-04	3.03E-07	1.29E-07	9.60E-04	3.03E-07	1.29E-07
433	488919.6, 3857150.76	9.39E-04	2.96E-07	1.26E-07	9.58E-04	3.02E-07	1.28E-07	9.57E-04	3.02E-07	1.28E-07
434	488969.6, 3857150.76	9.36E-04	2.95E-07	1.25E-07	9.55E-04	3.01E-07	1.28E-07	9.54E-04	3.01E-07	1.28E-07
435	488819.6, 3857200.76	9.60E-04	3.03E-07	1.29E-07	9.80E-04	3.09E-07	1.31E-07	9.78E-04	3.09E-07	1.31E-07
436	488869.6, 3857200.76	9.57E-04	3.02E-07	1.28E-07	9.76E-04	3.08E-07	1.31E-07	9.75E-04	3.08E-07	1.31E-07
437	488919.6, 3857200.76	9.53E-04	3.01E-07	1.28E-07	9.72E-04	3.07E-07	1.30E-07	9.71E-04	3.07E-07	1.30E-07
438	488969.6, 3857200.76	9.49E-04	2.99E-07	1.27E-07	9.68E-04	3.05E-07	1.30E-07	9.67E-04	3.05E-07	1.29E-07
439	488819.6, 3857250.76	9.76E-04	3.08E-07	1.31E-07	9.96E-04	3.14E-07	1.33E-07	9.95E-04	3.14E-07	1.33E-07
440	488869.6, 3857250.76	9.72E-04	3.07E-07	1.30E-07	9.92E-04	3.13E-07	1.33E-07	9.91E-04	3.13E-07	1.33E-07
441	488919.6, 3857250.76	9.68E-04	3.06E-07	1.30E-07	9.88E-04	3.12E-07	1.32E-07	9.87E-04	3.11E-07	1.32E-07
442	488969.6, 3857250.76	9.64E-04	3.04E-07	1.29E-07	9.84E-04	3.10E-07	1.32E-07	9.82E-04	3.10E-07	1.32E-07
443	488819.6, 3857300.76	9.95E-04	3.14E-07	1.33E-07	1.02E-03	3.21E-07	1.36E-07	1.01E-03	3.20E-07	1.36E-07
444	488869.6, 3857300.76	9.91E-04	3.13E-07	1.33E-07	1.01E-03	3.19E-07	1.35E-07	1.01E-03	3.19E-07	1.35E-07
445	488919.6, 3857300.76	9.87E-04	3.11E-07	1.32E-07	1.01E-03	3.18E-07	1.35E-07	1.01E-03	3.17E-07	1.35E-07
446	488819.6, 3857450.76	1.06E-03	3.35E-07	1.42E-07	1.08E-03	3.42E-07	1.45E-07	1.08E-03	3.41E-07	1.45E-07
447	488869.6, 3857450.76	1.06E-03	3.34E-07	1.42E-07	1.08E-03	3.40E-07	1.44E-07	1.08E-03	3.40E-07	1.44E-07
448	488919.6, 3857450.76	1.05E-03	3.33E-07	1.41E-07	1.08E-03	3.39E-07	1.44E-07	1.07E-03	3.39E-07	1.44E-07
449	488819.6, 3857500.76	1.09E-03	3.43E-07	1.45E-07	1.11E-03	3.50E-07	1.48E-07	1.11E-03	3.49E-07	1.48E-07
450	488869.6, 3857500.76	1.08E-03	3.42E-07	1.45E-07	1.11E-03	3.49E-07	1.48E-07	1.10E-03	3.48E-07	1.48E-07
451	488919.6, 3857500.76	1.08E-03	3.41E-07	1.45E-07	1.10E-03	3.48E-07	1.48E-07	1.10E-03	3.47E-07	1.47E-07
452	488819.6, 3857550.76	1.11E-03	3.51E-07	1.49E-07	1.14E-03	3.58E-07	1.52E-07	1.13E-03	3.58E-07	1.52E-07
453	488869.6, 3857550.76	1.11E-03	3.50E-07	1.49E-07	1.13E-03	3.58E-07	1.52E-07	1.13E-03	3.57E-07	1.52E-07
454	488919.6, 3857550.76	1.11E-03	3.50E-07	1.48E-07	1.13E-03	3.57E-07	1.51E-07	1.13E-03	3.56E-07	1.51E-07
455	489663.71, 3860900.05	2.20E-03	6.96E-07	2.95E-07	2.25E-03	7.10E-07	3.01E-07	2.25E-03	7.09E-07	3.01E-07
456	489813.71, 3860900.05	2.32E-03	7.32E-07	3.11E-07	2.37E-03	7.47E-07	3.17E-07	2.37E-03	7.47E-07	3.17E-07
457	489863.71, 3860900.05	2.35E-03	7.43E-07	3.15E-07	2.40E-03	7.58E-07	3.22E-07	2.40E-03	7.57E-07	3.21E-07
458	489913.71, 3860900.05	2.40E-03	7.59E-07	3.22E-07	2.45E-03	7.74E-07	3.29E-07	2.45E-03	7.74E-07	3.28E-07
459	489963.71, 3860900.05	2.44E-03	7.71E-07	3.27E-07	2.49E-03	7.86E-07	3.34E-07	2.49E-03	7.85E-07	3.33E-07
460	490013.71, 3860900.05	2.50E-03	7.88E-07	3.34E-07	2.55E-03	8.04E-07	3.41E-07	2.54E-03	8.03E-07	3.41E-07
461	490063.71, 3860900.05	2.55E-03	8.03E-07	3.41E-07	2.60E-03	8.20E-07	3.48E-07	2.59E-03	8.19E-07	3.47E-07
462	489663.71, 3860950.05	2.12E-03	6.70E-07	2.84E-07	2.17E-03	6.84E-07	2.90E-07	2.16E-03	6.83E-07	2.90E-07
463	489813.71, 3860950.05	2.23E-03	7.04E-07	2.99E-07	2.27E-03	7.18E-07	3.05E-07	2.27E-03	7.17E-07	3.04E-07
464	489863.71, 3860950.05	2.26E-03	7.13E-07	3.02E-07	2.30E-03	7.27E-07	3.09E-07	2.30E-03	7.26E-07	3.08E-07
465	489913.71, 3860950.05	2.30E-03	7.26E-07	3.08E-07	2.35E-03	7.41E-07	3.14E-07	2.34E-03	7.40E-07	3.14E-07
466	489963.71, 3860950.05	2.34E-03	7.37E-07	3.13E-07	2.38E-03	7.53E-07	3.19E-07	2.38E-03	7.52E-07	3.19E-07
467	490013.71, 3860950.05	2.38E-03	7.51E-07	3.19E-07	2.43E-03	7.67E-07	3.25E-07	2.43E-03	7.66E-07	3.25E-07
468	490063.71, 3860950.05	2.43E-03	7.66E-07	3.25E-07	2.48E-03	7.81E-07	3.32E-07	2.47E-03	7.80E-07	3.31E-07
469	489513.71, 3861000.05	1.96E-03	6.19E-07	2.62E-07	2.00E-03	6.31E-07	2.68E-07	2.00E-03	6.30E-07	2.67E-07
470	489563.71, 3861000.05	1.99E-03	6.27E-07	2.66E-07	2.03E-03	6.40E-07	2.71E-07	2.02E-03	6.39E-07	2.71E-07
471	489613.71, 3861000.05	2.02E-03	6.37E-07	2.70E-07	2.06E-03	6.50E-07	2.76E-07	2.06E-03	6.49E-07	2.76E-07
472	489663.71, 3861000.05	2.05E-03	6.47E-07	2.74E-07	2.09E-03	6.60E-07	2.80E-07	2.09E-03	6.59E-07	2.80E-07
473	489713.71, 3861000.05	2.08E-03	6.55E-07	2.78E-07	2.12E-03	6.69E-07	2.84E-07	2.12E-03	6.68E-07	2.83E-07
474	489763.71, 3861000.05	2.11E-03	6.65E-07	2.82E-07	2.15E-03	6.78E-07	2.88E-07	2.15E-03	6.78E-07	2.88E-07
475	489813.71, 3861000.05	2.15E-03	6.77E-07	2.87E-07	2.19E-03	6.91E-07	2.93E-07	2.19E-03	6.90E-07	2.93E-07
476	489863.71, 3861000.05	2.17E-03	6.85E-07	2.91E-07	2.22E-03	6.99E-07	2.97E-07	2.21E-03	6.98E-07	2.96E-07
477	489913.71, 3861000.05	2.21E-03	6.97E-07	2.96E-07	2.25E-03	7.12E-07	3.02E-07	2.25E-03	7.11E-07	3.02E-07
478	489963.71, 3861000.05	2.24E-03	7.07E-07	3.00E-07	2.28E-03	7.21E-07	3.06E-07	2.28E-03	7.20E-07	3.06E-07
479	490013.71, 3861000.05	2.28E-03	7.19E-07	3.05E-07	2.32E-03	7.33E-07	3.11E-07	2.32E-03	7.33E-07	3.11E-07
480	490063.71, 3861000.05	2.32E-03	7.31E-07	3.10E-07	2.36E-03	7.46E-07	3.16E-07	2.36E-03	7.45E-07	3.16E-07
481	489513.71, 3861050.05	1.90E-03	5.99E-07	2.54E-07	1.94E-03	6.12E-07	2.60E-07	1.94E-03	6.11E-07	2.59E-07
482	489563.71, 3861050.05	1.92E-03	6.07E-07	2.58E-07	1.96E-03	6.19E-07	2.63E-07	1.96E-03	6.19E-07	2.62E-07
483	489613.71, 3861050.05	1.96E-03	6.18E-07	2.62E-07	2.00E-03	6.30E-07	2.67E-07	1.99E-03	6.29E-07	2.67E-07
484	489663.71, 3861050.05	1.98E-03	6.24E-07	2.65E-07	2.02E-03	6.37E-07	2.70E-07	2.02E-03	6.36E-07	2.70E-07
485	489713.71, 3861050.05	2.00E-03	6.32E-07	2.68E-07	2.04E-03	6.45E-07	2.74E-07	2.04E-03	6.44E-07	2.73E-07
486	489763.71, 3861050.05	2.03E-03	6.41E-07	2.72E-07	2.07E-03	6.54E-07	2.78E-07	2.07E-03	6.53E-07	2.77E-07
487	489813.71, 3861050.05	2.06E-03	6.51E-07	2.76E-07	2.10E-03	6.64E-07	2.82E-07	2.10E-03	6.63E-07	2.81E-07
488	489863.71, 3861050.05	2.09E-03	6.59E-07	2.80E-07	2.13E-03	6.73E-07	2.86E-07	2.13E-03	6.72E-07	2.85E-07
489	489913.71, 3861050.05	2.12E-03	6.69E-07	2.84E-07	2.16E-03	6.83E-07	2.90E-07	2.16E-03	6.82E-07	2.89E-07
490	489963.71, 3861050.05	2.15E-03	6.78E-07	2.88E-07	2.19E-03	6.92E-07	2.94E-07	2.19E-03	6.91E-07	2.93E-07
491	490013.71, 3861050.05	2.19E-03	6.90E-07	2.93E-07	2.23E-03	7.04E-07	2.99E-07	2.23E-03	7.03E-07	2.98E-07
492	490063.71, 3861050.05	2.22E-03	7.00E-07	2.97E-07	2.26E-03	7.14E-07	3.03E-07	2.26E-03	7.14E-07	3.03E-07

493	489513.71, 3861100.05	1.85E-03	5.83E-07	2.47E-07	1.88E-03	5.95E-07	2.52E-07	1.88E-03	5.94E-07	2.52E-07
494	489563.71, 3861100.05	1.86E-03	5.88E-07	2.49E-07	1.90E-03	6.00E-07	2.54E-07	1.90E-03	5.99E-07	2.54E-07
495	489613.71, 3861100.05	1.88E-03	5.92E-07	2.51E-07	1.91E-03	6.04E-07	2.56E-07	1.91E-03	6.04E-07	2.56E-07
496	489663.71, 3861100.05	1.90E-03	6.00E-07	2.55E-07	1.94E-03	6.13E-07	2.60E-07	1.94E-03	6.12E-07	2.60E-07
497	489713.71, 3861100.05	1.93E-03	6.09E-07	2.58E-07	1.97E-03	6.21E-07	2.63E-07	1.97E-03	6.20E-07	2.63E-07
498	489763.71, 3861100.05	1.95E-03	6.17E-07	2.62E-07	1.99E-03	6.29E-07	2.67E-07	1.99E-03	6.29E-07	2.67E-07
499	489813.71, 3861100.05	1.98E-03	6.26E-07	2.66E-07	2.02E-03	6.39E-07	2.71E-07	2.02E-03	6.38E-07	2.71E-07
500	489863.71, 3861100.05	2.02E-03	6.36E-07	2.70E-07	2.06E-03	6.49E-07	2.75E-07	2.05E-03	6.48E-07	2.75E-07
501	489913.71, 3861100.05	2.04E-03	6.43E-07	2.73E-07	2.08E-03	6.56E-07	2.78E-07	2.08E-03	6.55E-07	2.78E-07
502	489963.71, 3861100.05	2.06E-03	6.51E-07	2.76E-07	2.11E-03	6.65E-07	2.82E-07	2.10E-03	6.64E-07	2.82E-07
503	490013.71, 3861100.05	2.09E-03	6.59E-07	2.80E-07	2.13E-03	6.73E-07	2.85E-07	2.13E-03	6.72E-07	2.85E-07
504	490063.71, 3861100.05	2.12E-03	6.69E-07	2.84E-07	2.16E-03	6.82E-07	2.90E-07	2.16E-03	6.82E-07	2.89E-07
505	489713.71, 3861150.05	1.86E-03	5.87E-07	2.49E-07	1.90E-03	5.99E-07	2.54E-07	1.89E-03	5.98E-07	2.54E-07
506	489763.71, 3861150.05	1.88E-03	5.95E-07	2.52E-07	1.92E-03	6.07E-07	2.57E-07	1.92E-03	6.06E-07	2.57E-07
507	489813.71, 3861150.05	1.91E-03	6.03E-07	2.56E-07	1.95E-03	6.15E-07	2.61E-07	1.95E-03	6.15E-07	2.61E-07
508	489863.71, 3861150.05	1.93E-03	6.10E-07	2.59E-07	1.97E-03	6.23E-07	2.64E-07	1.97E-03	6.22E-07	2.64E-07
509	489913.71, 3861150.05	1.96E-03	6.18E-07	2.62E-07	2.00E-03	6.30E-07	2.67E-07	1.99E-03	6.29E-07	2.67E-07
510	489963.71, 3861150.05	1.98E-03	6.24E-07	2.65E-07	2.02E-03	6.37E-07	2.70E-07	2.02E-03	6.36E-07	2.70E-07
511	490013.71, 3861150.05	2.00E-03	6.31E-07	2.68E-07	2.04E-03	6.44E-07	2.73E-07	2.04E-03	6.44E-07	2.73E-07
512	490063.71, 3861150.05	2.03E-03	6.40E-07	2.72E-07	2.07E-03	6.53E-07	2.77E-07	2.07E-03	6.53E-07	2.77E-07
513	489613.71, 3861200.05	1.75E-03	5.52E-07	2.34E-07	1.78E-03	5.63E-07	2.39E-07	1.78E-03	5.62E-07	2.39E-07
514	489663.71, 3861200.05	1.77E-03	5.59E-07	2.37E-07	1.81E-03	5.70E-07	2.42E-07	1.80E-03	5.70E-07	2.42E-07
515	489713.71, 3861200.05	1.79E-03	5.66E-07	2.40E-07	1.83E-03	5.78E-07	2.45E-07	1.83E-03	5.77E-07	2.45E-07
516	489763.71, 3861200.05	1.82E-03	5.73E-07	2.43E-07	1.85E-03	5.85E-07	2.48E-07	1.85E-03	5.84E-07	2.48E-07
517	489813.71, 3861200.05	1.84E-03	5.81E-07	2.46E-07	1.88E-03	5.93E-07	2.51E-07	1.88E-03	5.92E-07	2.51E-07
518	489863.71, 3861200.05	1.87E-03	5.89E-07	2.50E-07	1.90E-03	6.01E-07	2.55E-07	1.90E-03	6.00E-07	2.55E-07
519	489913.71, 3861200.05	1.88E-03	5.95E-07	2.52E-07	1.92E-03	6.07E-07	2.58E-07	1.92E-03	6.06E-07	2.57E-07
520	489963.71, 3861200.05	1.90E-03	6.00E-07	2.55E-07	1.94E-03	6.13E-07	2.60E-07	1.94E-03	6.12E-07	2.60E-07
521	490013.71, 3861200.05	1.92E-03	6.07E-07	2.58E-07	1.96E-03	6.20E-07	2.63E-07	1.96E-03	6.19E-07	2.63E-07
522	490063.71, 3861200.05	1.94E-03	6.14E-07	2.60E-07	1.98E-03	6.26E-07	2.66E-07	1.98E-03	6.26E-07	2.65E-07
523	489513.71, 3861250.05	1.65E-03	5.20E-07	2.21E-07	1.68E-03	5.30E-07	2.25E-07	1.68E-03	5.30E-07	2.25E-07
524	489563.71, 3861250.05	1.67E-03	5.27E-07	2.24E-07	1.70E-03	5.38E-07	2.28E-07	1.70E-03	5.37E-07	2.28E-07
525	489613.71, 3861250.05	1.69E-03	5.34E-07	2.27E-07	1.73E-03	5.45E-07	2.31E-07	1.72E-03	5.44E-07	2.31E-07
526	489663.71, 3861250.05	1.71E-03	5.40E-07	2.29E-07	1.75E-03	5.51E-07	2.34E-07	1.74E-03	5.51E-07	2.34E-07
527	489713.71, 3861250.05	1.73E-03	5.47E-07	2.32E-07	1.77E-03	5.58E-07	2.37E-07	1.77E-03	5.57E-07	2.36E-07
528	489763.71, 3861250.05	1.75E-03	5.53E-07	2.35E-07	1.79E-03	5.65E-07	2.40E-07	1.79E-03	5.64E-07	2.39E-07
529	489813.71, 3861250.05	1.77E-03	5.60E-07	2.38E-07	1.81E-03	5.71E-07	2.42E-07	1.81E-03	5.71E-07	2.42E-07
530	489863.71, 3861250.05	1.79E-03	5.66E-07	2.40E-07	1.83E-03	5.78E-07	2.45E-07	1.83E-03	5.77E-07	2.45E-07
531	489913.71, 3861250.05	1.82E-03	5.73E-07	2.43E-07	1.85E-03	5.85E-07	2.48E-07	1.85E-03	5.84E-07	2.48E-07
532	489963.71, 3861250.05	1.83E-03	5.79E-07	2.46E-07	1.87E-03	5.91E-07	2.51E-07	1.87E-03	5.90E-07	2.50E-07
533	490013.71, 3861250.05	1.85E-03	5.85E-07	2.48E-07	1.89E-03	5.96E-07	2.53E-07	1.89E-03	5.96E-07	2.53E-07
534	490063.71, 3861250.05	1.87E-03	5.89E-07	2.50E-07	1.90E-03	6.01E-07	2.55E-07	1.90E-03	6.00E-07	2.55E-07
535	489528.13, 3861308.47	1.59E-03	5.02E-07	2.13E-07	1.62E-03	5.12E-07	2.17E-07	1.62E-03	5.12E-07	2.17E-07
536	489578.13, 3861308.47	1.61E-03	5.08E-07	2.16E-07	1.64E-03	5.19E-07	2.20E-07	1.64E-03	5.18E-07	2.20E-07
537	489628.13, 3861308.47	1.63E-03	5.14E-07	2.18E-07	1.66E-03	5.25E-07	2.23E-07	1.66E-03	5.24E-07	2.22E-07
538	489678.13, 3861308.47	1.65E-03	5.21E-07	2.21E-07	1.68E-03	5.31E-07	2.25E-07	1.68E-03	5.31E-07	2.25E-07
539	489728.13, 3861308.47	1.67E-03	5.27E-07	2.23E-07	1.70E-03	5.37E-07	2.28E-07	1.70E-03	5.37E-07	2.28E-07
540	489778.13, 3861308.47	1.69E-03	5.32E-07	2.26E-07	1.72E-03	5.43E-07	2.30E-07	1.72E-03	5.42E-07	2.30E-07
541	489678.13, 3861358.47	1.59E-03	5.03E-07	2.13E-07	1.63E-03	5.13E-07	2.18E-07	1.62E-03	5.13E-07	2.17E-07
542	489728.13, 3861358.47	1.61E-03	5.08E-07	2.16E-07	1.64E-03	5.19E-07	2.20E-07	1.64E-03	5.18E-07	2.20E-07
543	489528.13, 3861408.47	1.49E-03	4.70E-07	2.00E-07	1.52E-03	4.80E-07	2.04E-07	1.52E-03	4.79E-07	2.03E-07
544	489578.13, 3861408.47	1.51E-03	4.75E-07	2.02E-07	1.54E-03	4.85E-07	2.06E-07	1.54E-03	4.85E-07	2.06E-07
545	489628.13, 3861408.47	1.53E-03	4.82E-07	2.04E-07	1.56E-03	4.92E-07	2.09E-07	1.56E-03	4.91E-07	2.08E-07
546	489678.13, 3861408.47	1.54E-03	4.86E-07	2.06E-07	1.57E-03	4.96E-07	2.11E-07	1.57E-03	4.96E-07	2.10E-07
547	489728.13, 3861408.47	1.55E-03	4.91E-07	2.08E-07	1.59E-03	5.01E-07	2.12E-07	1.58E-03	5.00E-07	2.12E-07
548	489528.13, 3861458.47	1.44E-03	4.56E-07	1.93E-07	1.47E-03	4.65E-07	1.97E-07	1.47E-03	4.65E-07	1.97E-07
549	489578.13, 3861458.47	1.46E-03	4.61E-07	1.96E-07	1.49E-03	4.70E-07	2.00E-07	1.49E-03	4.70E-07	1.99E-07
550	489628.13, 3861458.47	1.48E-03	4.66E-07	1.98E-07	1.51E-03	4.75E-07	2.02E-07	1.50E-03	4.75E-07	2.01E-07
551	489678.13, 3861458.47	1.49E-03	4.70E-07	1.99E-07	1.52E-03	4.79E-07	2.03E-07	1.52E-03	4.79E-07	2.03E-07
552	489728.13, 3861458.47	1.50E-03	4.73E-07	2.01E-07	1.53E-03	4.83E-07	2.05E-07	1.53E-03	4.82E-07	2.05E-07
553	489528.13, 3861508.47	1.40E-03	4.42E-07	1.88E-07	1.43E-03	4.51E-07	1.91E-07	1.43E-03	4.50E-07	1.91E-07
554	489578.13, 3861508.47	1.41E-03	4.46E-07	1.89E-07	1.44E-03	4.55E-07	1.93E-07	1.44E-03	4.55E-07	1.93E-07

555	489628.13, 3861508.47	1.43E-03	4.50E-07	1.91E-07	1.45E-03	4.59E-07	1.95E-07	1.45E-03	4.59E-07	1.95E-07
556	489678.13, 3861508.47	1.44E-03	4.54E-07	1.92E-07	1.47E-03	4.63E-07	1.96E-07	1.46E-03	4.62E-07	1.96E-07
557	489728.13, 3861508.47	1.45E-03	4.57E-07	1.94E-07	1.48E-03	4.66E-07	1.98E-07	1.48E-03	4.66E-07	1.98E-07
558	489628.13, 3861558.47	1.38E-03	4.36E-07	1.85E-07	1.41E-03	4.45E-07	1.89E-07	1.41E-03	4.45E-07	1.89E-07
559	489678.13, 3861558.47	1.40E-03	4.40E-07	1.87E-07	1.42E-03	4.49E-07	1.91E-07	1.42E-03	4.49E-07	1.90E-07
560	489728.13, 3861558.47	1.41E-03	4.44E-07	1.88E-07	1.43E-03	4.53E-07	1.92E-07	1.43E-03	4.52E-07	1.92E-07
561	489357.08, 3861015.81	1.86E-03	5.86E-07	2.48E-07	1.89E-03	5.97E-07	2.54E-07	1.89E-03	5.97E-07	2.53E-07
562	489407.08, 3861015.81	1.88E-03	5.93E-07	2.51E-07	1.92E-03	6.05E-07	2.57E-07	1.91E-03	6.04E-07	2.56E-07
563	489457.08, 3861015.81	1.90E-03	6.01E-07	2.55E-07	1.94E-03	6.13E-07	2.60E-07	1.94E-03	6.12E-07	2.60E-07
564	489357.08, 3861065.81	1.80E-03	5.68E-07	2.41E-07	1.84E-03	5.79E-07	2.46E-07	1.83E-03	5.79E-07	2.46E-07
565	489407.08, 3861065.81	1.82E-03	5.74E-07	2.44E-07	1.86E-03	5.86E-07	2.49E-07	1.85E-03	5.85E-07	2.48E-07
566	489457.08, 3861065.81	1.84E-03	5.82E-07	2.47E-07	1.88E-03	5.94E-07	2.52E-07	1.88E-03	5.93E-07	2.52E-07
567	489357.08, 3861115.81	1.74E-03	5.50E-07	2.33E-07	1.78E-03	5.61E-07	2.38E-07	1.78E-03	5.61E-07	2.38E-07
568	489407.08, 3861115.81	1.77E-03	5.58E-07	2.37E-07	1.80E-03	5.69E-07	2.41E-07	1.80E-03	5.68E-07	2.41E-07
569	489457.08, 3861115.81	1.79E-03	5.65E-07	2.40E-07	1.83E-03	5.77E-07	2.45E-07	1.83E-03	5.76E-07	2.44E-07
570	489407.08, 3861165.81	1.72E-03	5.42E-07	2.30E-07	1.75E-03	5.53E-07	2.35E-07	1.75E-03	5.52E-07	2.34E-07
571	489457.08, 3861165.81	1.73E-03	5.48E-07	2.32E-07	1.77E-03	5.59E-07	2.37E-07	1.77E-03	5.58E-07	2.37E-07
572	489407.08, 3861215.81	1.65E-03	5.21E-07	2.21E-07	1.68E-03	5.32E-07	2.26E-07	1.68E-03	5.31E-07	2.25E-07
573	489457.08, 3861215.81	1.67E-03	5.27E-07	2.24E-07	1.70E-03	5.38E-07	2.28E-07	1.70E-03	5.37E-07	2.28E-07
574	489407.08, 3861265.81	1.59E-03	5.01E-07	2.13E-07	1.62E-03	5.11E-07	2.17E-07	1.62E-03	5.11E-07	2.17E-07
575	489457.08, 3861265.81	1.61E-03	5.08E-07	2.15E-07	1.64E-03	5.18E-07	2.20E-07	1.64E-03	5.18E-07	2.20E-07
576	489309.86, 3861110.14	1.73E-03	5.45E-07	2.31E-07	1.76E-03	5.56E-07	2.36E-07	1.76E-03	5.55E-07	2.35E-07
577	489407.08, 3861315.81	1.54E-03	4.86E-07	2.06E-07	1.57E-03	4.96E-07	2.10E-07	1.57E-03	4.95E-07	2.10E-07
578	489457.08, 3861315.81	1.56E-03	4.92E-07	2.09E-07	1.59E-03	5.02E-07	2.13E-07	1.59E-03	5.01E-07	2.13E-07
579	488906.03, 3861006.75	1.66E-03	5.25E-07	2.23E-07	1.70E-03	5.36E-07	2.27E-07	1.70E-03	5.35E-07	2.27E-07
580	488956.03, 3861006.75	1.69E-03	5.35E-07	2.27E-07	1.73E-03	5.46E-07	2.32E-07	1.73E-03	5.45E-07	2.31E-07
581	488904.24, 3861051.87	1.65E-03	5.20E-07	2.20E-07	1.68E-03	5.30E-07	2.25E-07	1.68E-03	5.30E-07	2.25E-07
582	488954.24, 3861051.87	1.66E-03	5.24E-07	2.22E-07	1.69E-03	5.34E-07	2.27E-07	1.69E-03	5.34E-07	2.27E-07
583	489004.24, 3861051.87	1.69E-03	5.34E-07	2.26E-07	1.73E-03	5.45E-07	2.31E-07	1.72E-03	5.44E-07	2.31E-07
584	488804.24, 3861101.87	1.54E-03	4.87E-07	2.07E-07	1.58E-03	4.97E-07	2.11E-07	1.57E-03	4.97E-07	2.11E-07
585	488854.24, 3861101.87	1.57E-03	4.96E-07	2.10E-07	1.60E-03	5.06E-07	2.15E-07	1.60E-03	5.05E-07	2.14E-07
586	488904.24, 3861101.87	1.57E-03	4.96E-07	2.11E-07	1.60E-03	5.06E-07	2.15E-07	1.60E-03	5.06E-07	2.15E-07
587	488954.24, 3861101.87	1.59E-03	5.01E-07	2.12E-07	1.62E-03	5.11E-07	2.17E-07	1.62E-03	5.10E-07	2.16E-07
588	489004.24, 3861101.87	1.61E-03	5.07E-07	2.15E-07	1.64E-03	5.18E-07	2.20E-07	1.64E-03	5.17E-07	2.19E-07
589	488804.24, 3861151.87	1.48E-03	4.66E-07	1.98E-07	1.51E-03	4.75E-07	2.02E-07	1.50E-03	4.75E-07	2.01E-07
590	488854.24, 3861151.87	1.49E-03	4.71E-07	2.00E-07	1.52E-03	4.80E-07	2.04E-07	1.52E-03	4.80E-07	2.04E-07
591	489129.49, 3861187.55	1.56E-03	4.93E-07	2.09E-07	1.60E-03	5.04E-07	2.14E-07	1.59E-03	5.03E-07	2.13E-07
592	489179.49, 3861187.55	1.58E-03	4.99E-07	2.12E-07	1.61E-03	5.09E-07	2.16E-07	1.61E-03	5.09E-07	2.16E-07
593	488804.24, 3861201.87	1.44E-03	4.54E-07	1.93E-07	1.47E-03	4.63E-07	1.96E-07	1.47E-03	4.63E-07	1.96E-07
594	488854.24, 3861201.87	1.45E-03	4.57E-07	1.94E-07	1.48E-03	4.66E-07	1.98E-07	1.48E-03	4.66E-07	1.98E-07
595	489129.49, 3861237.55	1.53E-03	4.81E-07	2.04E-07	1.56E-03	4.91E-07	2.08E-07	1.55E-03	4.91E-07	2.08E-07
596	489179.49, 3861237.55	1.54E-03	4.85E-07	2.06E-07	1.57E-03	4.95E-07	2.10E-07	1.57E-03	4.94E-07	2.10E-07
597	488804.24, 3861251.87	1.40E-03	4.43E-07	1.88E-07	1.43E-03	4.52E-07	1.92E-07	1.43E-03	4.52E-07	1.92E-07
598	488854.24, 3861251.87	1.41E-03	4.45E-07	1.89E-07	1.44E-03	4.55E-07	1.93E-07	1.44E-03	4.54E-07	1.93E-07
599	488804.24, 3861301.87	1.37E-03	4.31E-07	1.83E-07	1.39E-03	4.40E-07	1.87E-07	1.39E-03	4.39E-07	1.86E-07
600	488854.24, 3861301.87	1.38E-03	4.34E-07	1.84E-07	1.40E-03	4.43E-07	1.88E-07	1.40E-03	4.43E-07	1.88E-07
601	490943.5, 3860181.97	1.44E-02	4.54E-06	1.93E-06	1.47E-02	4.64E-06	1.97E-06	1.47E-02	4.63E-06	1.97E-06
602	490993.5, 3860181.97	1.58E-02	4.98E-06	2.11E-06	1.61E-02	5.08E-06	2.16E-06	1.61E-02	5.08E-06	2.15E-06
603	491043.5, 3860181.97	1.76E-02	5.54E-06	2.35E-06	1.79E-02	5.65E-06	2.40E-06	1.79E-02	5.65E-06	2.40E-06
604	491093.5, 3860181.97	1.97E-02	6.23E-06	2.64E-06	2.01E-02	6.36E-06	2.70E-06	2.01E-02	6.35E-06	2.69E-06
605	490943.5, 3860231.97	1.25E-02	3.94E-06	1.67E-06	1.27E-02	4.02E-06	1.70E-06	1.27E-02	4.01E-06	1.70E-06
606	490993.5, 3860231.97	1.37E-02	4.32E-06	1.83E-06	1.40E-02	4.41E-06	1.87E-06	1.40E-02	4.41E-06	1.87E-06
607	491043.5, 3860231.97	1.49E-02	4.70E-06	1.99E-06	1.52E-02	4.80E-06	2.03E-06	1.52E-02	4.79E-06	2.03E-06
608	491093.5, 3860231.97	1.64E-02	5.17E-06	2.19E-06	1.67E-02	5.27E-06	2.24E-06	1.67E-02	5.27E-06	2.23E-06
609	490943.5, 3860281.97	1.10E-02	3.46E-06	1.47E-06	1.12E-02	3.54E-06	1.50E-06	1.12E-02	3.53E-06	1.50E-06
610	490993.5, 3860281.97	1.19E-02	3.76E-06	1.59E-06	1.21E-02	3.83E-06	1.63E-06	1.21E-02	3.83E-06	1.63E-06
611	491043.5, 3860281.97	1.29E-02	4.06E-06	1.72E-06	1.31E-02	4.14E-06	1.76E-06	1.31E-02	4.14E-06	1.76E-06
612	491093.5, 3860281.97	1.40E-02	4.41E-06	1.87E-06	1.43E-02	4.50E-06	1.91E-06	1.42E-02	4.50E-06	1.91E-06
613	490943.5, 3860331.97	9.74E-03	3.07E-06	1.30E-06	9.94E-03	3.14E-06	1.33E-06	9.92E-03	3.13E-06	1.33E-06
614	490993.5, 3860331.97	1.04E-02	3.27E-06	1.39E-06	1.06E-02	3.34E-06	1.42E-06	1.06E-02	3.33E-06	1.41E-06
615	491043.5, 3860331.97	1.11E-02	3.50E-06	1.49E-06	1.13E-02	3.57E-06	1.52E-06	1.13E-02	3.57E-06	1.51E-06
616	491093.5, 3860331.97	1.20E-02	3.78E-06	1.60E-06	1.22E-02	3.86E-06	1.64E-06	1.22E-02	3.85E-06	1.63E-06

617	490086.72, 3859935.12	1.04E-02	3.27E-06	1.39E-06	1.06E-02	3.34E-06	1.42E-06	1.06E-02	3.33E-06	1.41E-06
618	490136.72, 3859935.12	1.09E-02	3.46E-06	1.47E-06	1.12E-02	3.53E-06	1.50E-06	1.12E-02	3.52E-06	1.49E-06
619	490186.72, 3859935.12	1.16E-02	3.66E-06	1.55E-06	1.18E-02	3.74E-06	1.58E-06	1.18E-02	3.73E-06	1.58E-06
620	490236.72, 3859935.12	1.23E-02	3.89E-06	1.65E-06	1.26E-02	3.97E-06	1.68E-06	1.25E-02	3.96E-06	1.68E-06
621	490286.72, 3859935.12	1.31E-02	4.12E-06	1.75E-06	1.33E-02	4.21E-06	1.78E-06	1.33E-02	4.20E-06	1.78E-06
622	490336.72, 3859935.12	1.39E-02	4.38E-06	1.86E-06	1.42E-02	4.47E-06	1.90E-06	1.41E-02	4.46E-06	1.89E-06
623	490386.72, 3859935.12	1.48E-02	4.69E-06	1.99E-06	1.52E-02	4.78E-06	2.03E-06	1.51E-02	4.78E-06	2.03E-06
624	490436.72, 3859935.12	1.59E-02	5.03E-06	2.13E-06	1.63E-02	5.13E-06	2.18E-06	1.62E-02	5.12E-06	2.17E-06
625	490486.72, 3859935.12	1.72E-02	5.44E-06	2.31E-06	1.76E-02	5.55E-06	2.35E-06	1.76E-02	5.54E-06	2.35E-06
626	490536.72, 3859935.12	1.91E-02	6.04E-06	2.56E-06	1.95E-02	6.16E-06	2.61E-06	1.95E-02	6.15E-06	2.61E-06
627	490586.72, 3859935.12	2.16E-02	6.80E-06	2.89E-06	2.20E-02	6.94E-06	2.94E-06	2.20E-02	6.93E-06	2.94E-06
628	490636.72, 3859935.12	2.42E-02	7.63E-06	3.24E-06	2.47E-02	7.78E-06	3.30E-06	2.46E-02	7.77E-06	3.30E-06
629	490686.72, 3859935.12	2.83E-02	8.94E-06	3.79E-06	2.89E-02	9.12E-06	3.87E-06	2.89E-02	9.11E-06	3.87E-06
630	490736.72, 3859935.12	3.33E-02	1.05E-05	4.45E-06	3.39E-02	1.07E-05	4.54E-06	3.39E-02	1.07E-05	4.54E-06
631	490086.72, 3859985.12	9.19E-03	2.90E-06	1.23E-06	9.38E-03	2.96E-06	1.26E-06	9.37E-03	2.96E-06	1.25E-06
632	490136.72, 3859985.12	9.64E-03	3.04E-06	1.29E-06	9.84E-03	3.11E-06	1.32E-06	9.83E-03	3.10E-06	1.32E-06
633	490186.72, 3859985.12	1.02E-02	3.21E-06	1.36E-06	1.04E-02	3.27E-06	1.39E-06	1.04E-02	3.27E-06	1.39E-06
634	490236.72, 3859985.12	1.08E-02	3.40E-06	1.44E-06	1.10E-02	3.47E-06	1.47E-06	1.10E-02	3.46E-06	1.47E-06
635	490286.72, 3859985.12	1.13E-02	3.58E-06	1.52E-06	1.16E-02	3.65E-06	1.55E-06	1.16E-02	3.65E-06	1.55E-06
636	490336.72, 3859985.12	1.20E-02	3.78E-06	1.60E-06	1.22E-02	3.85E-06	1.63E-06	1.22E-02	3.85E-06	1.63E-06
637	490386.72, 3859985.12	1.26E-02	3.97E-06	1.68E-06	1.28E-02	4.05E-06	1.72E-06	1.28E-02	4.04E-06	1.72E-06
638	490436.72, 3859985.12	1.33E-02	4.20E-06	1.78E-06	1.36E-02	4.29E-06	1.82E-06	1.36E-02	4.28E-06	1.82E-06
639	490486.72, 3859985.12	1.42E-02	4.48E-06	1.90E-06	1.45E-02	4.57E-06	1.94E-06	1.45E-02	4.57E-06	1.94E-06
640	490536.72, 3859985.12	1.53E-02	4.84E-06	2.06E-06	1.57E-02	4.94E-06	2.10E-06	1.56E-02	4.94E-06	2.09E-06
641	490586.72, 3859985.12	1.68E-02	5.30E-06	2.25E-06	1.71E-02	5.41E-06	2.29E-06	1.71E-02	5.40E-06	2.29E-06
642	490636.72, 3859985.12	1.86E-02	5.86E-06	2.49E-06	1.90E-02	5.98E-06	2.54E-06	1.89E-02	5.97E-06	2.53E-06
643	490686.72, 3859985.12	2.11E-02	6.64E-06	2.82E-06	2.15E-02	6.78E-06	2.88E-06	2.15E-02	6.77E-06	2.87E-06
644	490736.72, 3859985.12	2.34E-02	7.39E-06	3.14E-06	2.39E-02	7.54E-06	3.20E-06	2.39E-02	7.53E-06	3.20E-06
645	490786.72, 3859985.12	2.64E-02	8.32E-06	3.53E-06	2.69E-02	8.49E-06	3.60E-06	2.69E-02	8.48E-06	3.60E-06
646	490086.72, 3860035.12	8.25E-03	2.60E-06	1.10E-06	8.42E-03	2.66E-06	1.13E-06	8.41E-03	2.65E-06	1.13E-06
647	490136.72, 3860035.12	8.62E-03	2.72E-06	1.15E-06	8.80E-03	2.78E-06	1.18E-06	8.79E-03	2.77E-06	1.18E-06
648	490186.72, 3860035.12	9.03E-03	2.85E-06	1.21E-06	9.21E-03	2.91E-06	1.23E-06	9.20E-03	2.90E-06	1.23E-06
649	490236.72, 3860035.12	9.47E-03	2.99E-06	1.27E-06	9.66E-03	3.05E-06	1.29E-06	9.65E-03	3.05E-06	1.29E-06
650	490286.72, 3860035.12	9.92E-03	3.13E-06	1.33E-06	1.01E-02	3.20E-06	1.36E-06	1.01E-02	3.19E-06	1.35E-06
651	490336.72, 3860035.12	1.05E-02	3.30E-06	1.40E-06	1.07E-02	3.37E-06	1.43E-06	1.07E-02	3.37E-06	1.43E-06
652	490386.72, 3860035.12	1.09E-02	3.45E-06	1.46E-06	1.12E-02	3.52E-06	1.49E-06	1.11E-02	3.52E-06	1.49E-06
653	490436.72, 3860035.12	1.15E-02	3.62E-06	1.54E-06	1.17E-02	3.70E-06	1.57E-06	1.17E-02	3.69E-06	1.57E-06
654	490486.72, 3860035.12	1.21E-02	3.83E-06	1.62E-06	1.24E-02	3.91E-06	1.66E-06	1.24E-02	3.90E-06	1.66E-06
655	490536.72, 3860035.12	1.29E-02	4.08E-06	1.73E-06	1.32E-02	4.16E-06	1.77E-06	1.32E-02	4.16E-06	1.76E-06
656	490586.72, 3860035.12	1.38E-02	4.37E-06	1.85E-06	1.41E-02	4.46E-06	1.89E-06	1.41E-02	4.45E-06	1.89E-06
657	490636.72, 3860035.12	1.48E-02	4.67E-06	1.98E-06	1.51E-02	4.76E-06	2.02E-06	1.51E-02	4.76E-06	2.02E-06
658	490686.72, 3860035.12	1.62E-02	5.10E-06	2.16E-06	1.65E-02	5.20E-06	2.21E-06	1.65E-02	5.20E-06	2.20E-06
659	490736.72, 3860035.12	1.81E-02	5.71E-06	2.42E-06	1.85E-02	5.83E-06	2.47E-06	1.84E-02	5.82E-06	2.47E-06
660	490786.72, 3860035.12	1.99E-02	6.27E-06	2.66E-06	2.03E-02	6.40E-06	2.71E-06	2.02E-02	6.39E-06	2.71E-06
661	490836.72, 3860035.12	2.20E-02	6.93E-06	2.94E-06	2.24E-02	7.08E-06	3.00E-06	2.24E-02	7.07E-06	3.00E-06
662	490086.72, 3860085.12	7.54E-03	2.38E-06	1.01E-06	7.69E-03	2.43E-06	1.03E-06	7.69E-03	2.43E-06	1.03E-06
663	490136.72, 3860085.12	7.78E-03	2.45E-06	1.04E-06	7.94E-03	2.51E-06	1.06E-06	7.93E-03	2.50E-06	1.06E-06
664	490186.72, 3860085.12	8.15E-03	2.57E-06	1.09E-06	8.31E-03	2.62E-06	1.11E-06	8.30E-03	2.62E-06	1.11E-06
665	490236.72, 3860085.12	8.50E-03	2.68E-06	1.14E-06	8.67E-03	2.74E-06	1.16E-06	8.66E-03	2.73E-06	1.16E-06
666	490286.72, 3860085.12	8.87E-03	2.80E-06	1.19E-06	9.05E-03	2.86E-06	1.21E-06	9.04E-03	2.85E-06	1.21E-06
667	490336.72, 3860085.12	9.25E-03	2.92E-06	1.24E-06	9.44E-03	2.98E-06	1.26E-06	9.42E-03	2.97E-06	1.26E-06
668	490386.72, 3860085.12	9.66E-03	3.05E-06	1.29E-06	9.85E-03	3.11E-06	1.32E-06	9.84E-03	3.11E-06	1.32E-06
669	490436.72, 3860085.12	1.01E-02	3.19E-06	1.35E-06	1.03E-02	3.25E-06	1.38E-06	1.03E-02	3.25E-06	1.38E-06
670	490486.72, 3860085.12	1.06E-02	3.33E-06	1.41E-06	1.08E-02	3.40E-06	1.44E-06	1.08E-02	3.40E-06	1.44E-06
671	490536.72, 3860085.12	1.12E-02	3.52E-06	1.49E-06	1.14E-02	3.59E-06	1.53E-06	1.14E-02	3.59E-06	1.52E-06
672	490586.72, 3860085.12	1.18E-02	3.74E-06	1.58E-06	1.21E-02	3.81E-06	1.62E-06	1.21E-02	3.81E-06	1.62E-06
673	490636.72, 3860085.12	1.25E-02	3.96E-06	1.68E-06	1.28E-02	4.04E-06	1.71E-06	1.28E-02	4.04E-06	1.71E-06
674	490686.72, 3860085.12	1.35E-02	4.25E-06	1.80E-06	1.37E-02	4.34E-06	1.84E-06	1.37E-02	4.33E-06	1.84E-06
675	490736.72, 3860085.12	1.46E-02	4.61E-06	1.96E-06	1.49E-02	4.71E-06	2.00E-06	1.49E-02	4.70E-06	1.99E-06
676	490786.72, 3860085.12	1.60E-02	5.04E-06	2.14E-06	1.63E-02	5.14E-06	2.18E-06	1.63E-02	5.14E-06	2.18E-06
677	490836.72, 3860085.12	1.74E-02	5.48E-06	2.33E-06	1.77E-02	5.60E-06	2.37E-06	1.77E-02	5.59E-06	2.37E-06
678	490086.72, 3860135.12	6.77E-03	2.14E-06	9.07E-07	6.91E-03	2.18E-06	9.25E-07	6.90E-03	2.18E-06	9.24E-07

679	490136.72, 3860135.12	7.06E-03	2.23E-06	9.45E-07	7.20E-03	2.27E-06	9.65E-07	7.19E-03	2.27E-06	9.63E-07
680	490186.72, 3860135.12	7.37E-03	2.32E-06	9.86E-07	7.52E-03	2.37E-06	1.01E-06	7.51E-03	2.37E-06	1.01E-06
681	490236.72, 3860135.12	7.66E-03	2.42E-06	1.03E-06	7.81E-03	2.47E-06	1.05E-06	7.80E-03	2.46E-06	1.04E-06
682	490286.72, 3860135.12	7.98E-03	2.52E-06	1.07E-06	8.14E-03	2.57E-06	1.09E-06	8.13E-03	2.57E-06	1.09E-06
683	490336.72, 3860135.12	8.31E-03	2.62E-06	1.11E-06	8.48E-03	2.68E-06	1.14E-06	8.47E-03	2.67E-06	1.13E-06
684	490386.72, 3860135.12	8.64E-03	2.73E-06	1.16E-06	8.82E-03	2.78E-06	1.18E-06	8.81E-03	2.78E-06	1.18E-06
685	490436.72, 3860135.12	8.99E-03	2.84E-06	1.20E-06	9.17E-03	2.89E-06	1.23E-06	9.16E-03	2.89E-06	1.23E-06
686	490486.72, 3860135.12	9.38E-03	2.96E-06	1.26E-06	9.57E-03	3.02E-06	1.28E-06	9.56E-03	3.02E-06	1.28E-06
687	490536.72, 3860135.12	9.86E-03	3.11E-06	1.32E-06	1.01E-02	3.17E-06	1.35E-06	1.00E-02	3.17E-06	1.35E-06
688	490586.72, 3860135.12	1.04E-02	3.27E-06	1.39E-06	1.06E-02	3.34E-06	1.42E-06	1.06E-02	3.33E-06	1.41E-06
689	490636.72, 3860135.12	1.09E-02	3.45E-06	1.46E-06	1.11E-02	3.52E-06	1.49E-06	1.11E-02	3.51E-06	1.49E-06
690	490686.72, 3860135.12	1.16E-02	3.65E-06	1.55E-06	1.18E-02	3.72E-06	1.58E-06	1.18E-02	3.72E-06	1.58E-06
691	490736.72, 3860135.12	1.23E-02	3.89E-06	1.65E-06	1.26E-02	3.97E-06	1.68E-06	1.26E-02	3.97E-06	1.68E-06
692	490786.72, 3860135.12	1.33E-02	4.21E-06	1.79E-06	1.36E-02	4.30E-06	1.82E-06	1.36E-02	4.29E-06	1.82E-06
693	490836.72, 3860135.12	1.44E-02	4.53E-06	1.92E-06	1.47E-02	4.62E-06	1.96E-06	1.46E-02	4.62E-06	1.96E-06
694	490086.72, 3860185.12	6.19E-03	1.95E-06	8.29E-07	6.32E-03	1.99E-06	8.46E-07	6.31E-03	1.99E-06	8.45E-07
695	490136.72, 3860185.12	6.46E-03	2.04E-06	8.64E-07	6.59E-03	2.08E-06	8.82E-07	6.58E-03	2.08E-06	8.81E-07
696	490186.72, 3860185.12	6.72E-03	2.12E-06	9.00E-07	6.85E-03	2.16E-06	9.18E-07	6.85E-03	2.16E-06	9.17E-07
697	490236.72, 3860185.12	6.97E-03	2.20E-06	9.33E-07	7.11E-03	2.24E-06	9.52E-07	7.10E-03	2.24E-06	9.51E-07
698	490286.72, 3860185.12	7.23E-03	2.28E-06	9.68E-07	7.38E-03	2.33E-06	9.88E-07	7.37E-03	2.33E-06	9.87E-07
699	490336.72, 3860185.12	7.50E-03	2.37E-06	1.00E-06	7.66E-03	2.42E-06	1.03E-06	7.65E-03	2.41E-06	1.02E-06
700	490386.72, 3860185.12	7.79E-03	2.46E-06	1.04E-06	7.95E-03	2.51E-06	1.07E-06	7.94E-03	2.51E-06	1.06E-06
701	490436.72, 3860185.12	8.10E-03	2.56E-06	1.08E-06	8.27E-03	2.61E-06	1.11E-06	8.26E-03	2.61E-06	1.11E-06
702	490486.72, 3860185.12	8.42E-03	2.66E-06	1.13E-06	8.59E-03	2.71E-06	1.15E-06	8.58E-03	2.71E-06	1.15E-06
703	490536.72, 3860185.12	8.80E-03	2.78E-06	1.18E-06	8.98E-03	2.83E-06	1.20E-06	8.96E-03	2.83E-06	1.20E-06
704	490586.72, 3860185.12	9.24E-03	2.92E-06	1.24E-06	9.43E-03	2.98E-06	1.26E-06	9.42E-03	2.97E-06	1.26E-06
705	490636.72, 3860185.12	9.67E-03	3.05E-06	1.29E-06	9.87E-03	3.11E-06	1.32E-06	9.85E-03	3.11E-06	1.32E-06
706	490686.72, 3860185.12	1.02E-02	3.22E-06	1.37E-06	1.04E-02	3.29E-06	1.39E-06	1.04E-02	3.28E-06	1.39E-06
707	490736.72, 3860185.12	1.07E-02	3.39E-06	1.44E-06	1.10E-02	3.46E-06	1.47E-06	1.09E-02	3.46E-06	1.47E-06
708	490786.72, 3860185.12	1.15E-02	3.61E-06	1.53E-06	1.17E-02	3.69E-06	1.56E-06	1.17E-02	3.68E-06	1.56E-06
709	490836.72, 3860185.12	1.23E-02	3.87E-06	1.64E-06	1.25E-02	3.95E-06	1.68E-06	1.25E-02	3.95E-06	1.67E-06
710	490086.72, 3860235.12	5.71E-03	1.80E-06	7.65E-07	5.83E-03	1.84E-06	7.80E-07	5.82E-03	1.84E-06	7.80E-07
711	490136.72, 3860235.12	5.93E-03	1.87E-06	7.94E-07	6.05E-03	1.91E-06	8.10E-07	6.04E-03	1.91E-06	8.09E-07
712	490186.72, 3860235.12	6.15E-03	1.94E-06	8.24E-07	6.28E-03	1.98E-06	8.41E-07	6.27E-03	1.98E-06	8.40E-07
713	490236.72, 3860235.12	6.38E-03	2.01E-06	8.54E-07	6.51E-03	2.05E-06	8.71E-07	6.50E-03	2.05E-06	8.70E-07
714	490286.72, 3860235.12	6.60E-03	2.08E-06	8.84E-07	6.74E-03	2.13E-06	9.02E-07	6.73E-03	2.12E-06	9.01E-07
715	490336.72, 3860235.12	6.85E-03	2.16E-06	9.17E-07	6.98E-03	2.20E-06	9.35E-07	6.98E-03	2.20E-06	9.34E-07
716	490386.72, 3860235.12	7.10E-03	2.24E-06	9.50E-07	7.24E-03	2.29E-06	9.70E-07	7.23E-03	2.28E-06	9.68E-07
717	490436.72, 3860235.12	7.37E-03	2.32E-06	9.86E-07	7.52E-03	2.37E-06	1.01E-06	7.51E-03	2.37E-06	1.01E-06
718	490486.72, 3860235.12	7.64E-03	2.41E-06	1.02E-06	7.79E-03	2.46E-06	1.04E-06	7.79E-03	2.46E-06	1.04E-06
719	490536.72, 3860235.12	7.95E-03	2.51E-06	1.07E-06	8.12E-03	2.56E-06	1.09E-06	8.11E-03	2.56E-06	1.09E-06
720	490586.72, 3860235.12	8.31E-03	2.62E-06	1.11E-06	8.48E-03	2.68E-06	1.14E-06	8.47E-03	2.67E-06	1.13E-06
721	490636.72, 3860235.12	8.69E-03	2.74E-06	1.16E-06	8.87E-03	2.80E-06	1.19E-06	8.86E-03	2.80E-06	1.19E-06
722	490686.72, 3860235.12	9.12E-03	2.88E-06	1.22E-06	9.31E-03	2.94E-06	1.25E-06	9.30E-03	2.93E-06	1.24E-06
723	490736.72, 3860235.12	9.59E-03	3.03E-06	1.28E-06	9.78E-03	3.09E-06	1.31E-06	9.77E-03	3.08E-06	1.31E-06
724	490786.72, 3860235.12	1.01E-02	3.19E-06	1.35E-06	1.03E-02	3.26E-06	1.38E-06	1.03E-02	3.25E-06	1.38E-06
725	490086.72, 3860285.12	5.29E-03	1.67E-06	7.08E-07	5.39E-03	1.70E-06	7.22E-07	5.39E-03	1.70E-06	7.21E-07
726	490136.72, 3860285.12	5.48E-03	1.73E-06	7.33E-07	5.59E-03	1.76E-06	7.48E-07	5.58E-03	1.76E-06	7.48E-07
727	490186.72, 3860285.12	5.67E-03	1.79E-06	7.59E-07	5.78E-03	1.82E-06	7.74E-07	5.77E-03	1.82E-06	7.73E-07
728	490236.72, 3860285.12	5.87E-03	1.85E-06	7.86E-07	5.99E-03	1.89E-06	8.02E-07	5.98E-03	1.89E-06	8.01E-07
729	490286.72, 3860285.12	6.07E-03	1.91E-06	8.12E-07	6.19E-03	1.95E-06	8.29E-07	6.18E-03	1.95E-06	8.28E-07
730	490336.72, 3860285.12	6.27E-03	1.98E-06	8.40E-07	6.40E-03	2.02E-06	8.57E-07	6.39E-03	2.02E-06	8.56E-07
731	490386.72, 3860285.12	6.50E-03	2.05E-06	8.70E-07	6.63E-03	2.09E-06	8.88E-07	6.62E-03	2.09E-06	8.87E-07
732	490436.72, 3860285.12	6.73E-03	2.12E-06	9.01E-07	6.87E-03	2.17E-06	9.19E-07	6.86E-03	2.16E-06	9.18E-07
733	490486.72, 3860285.12	6.98E-03	2.20E-06	9.35E-07	7.12E-03	2.25E-06	9.54E-07	7.11E-03	2.24E-06	9.52E-07
734	490536.72, 3860285.12	7.23E-03	2.28E-06	9.69E-07	7.38E-03	2.33E-06	9.88E-07	7.37E-03	2.33E-06	9.87E-07
735	490586.72, 3860285.12	7.52E-03	2.37E-06	1.01E-06	7.67E-03	2.42E-06	1.03E-06	7.66E-03	2.42E-06	1.03E-06
736	490636.72, 3860285.12	7.85E-03	2.48E-06	1.05E-06	8.01E-03	2.53E-06	1.07E-06	8.00E-03	2.52E-06	1.07E-06
737	490686.72, 3860285.12	8.22E-03	2.59E-06	1.10E-06	8.39E-03	2.65E-06	1.12E-06	8.38E-03	2.64E-06	1.12E-06
738	490736.72, 3860285.12	8.62E-03	2.72E-06	1.15E-06	8.79E-03	2.78E-06	1.18E-06	8.78E-03	2.77E-06	1.18E-06
739	490786.72, 3860285.12	9.07E-03	2.86E-06	1.22E-06	9.26E-03	2.92E-06	1.24E-06	9.25E-03	2.92E-06	1.24E-06
740	490086.72, 3860335.12	4.91E-03	1.55E-06	6.58E-07	5.01E-03	1.58E-06	6.71E-07	5.01E-03	1.58E-06	6.70E-07

741	490136.72, 3860335.12	5.08E-03	1.60E-06	6.81E-07	5.19E-03	1.64E-06	6.95E-07	5.18E-03	1.64E-06	6.94E-07
742	490186.72, 3860335.12	5.25E-03	1.66E-06	7.03E-07	5.36E-03	1.69E-06	7.17E-07	5.35E-03	1.69E-06	7.16E-07
743	490236.72, 3860335.12	5.43E-03	1.71E-06	7.28E-07	5.54E-03	1.75E-06	7.42E-07	5.54E-03	1.75E-06	7.41E-07
744	490286.72, 3860335.12	5.60E-03	1.77E-06	7.51E-07	5.72E-03	1.80E-06	7.66E-07	5.71E-03	1.80E-06	7.65E-07
745	490336.72, 3860335.12	5.78E-03	1.82E-06	7.74E-07	5.90E-03	1.86E-06	7.90E-07	5.89E-03	1.86E-06	7.89E-07
746	490386.72, 3860335.12	5.98E-03	1.89E-06	8.00E-07	6.10E-03	1.92E-06	8.17E-07	6.09E-03	1.92E-06	8.16E-07
747	490436.72, 3860335.12	6.18E-03	1.95E-06	8.28E-07	6.31E-03	1.99E-06	8.45E-07	6.30E-03	1.99E-06	8.44E-07
748	490486.72, 3860335.12	6.40E-03	2.02E-06	8.57E-07	6.53E-03	2.06E-06	8.74E-07	6.52E-03	2.06E-06	8.73E-07
749	490536.72, 3860335.12	6.64E-03	2.10E-06	8.89E-07	6.78E-03	2.14E-06	9.07E-07	6.77E-03	2.14E-06	9.06E-07
750	490586.72, 3860335.12	6.88E-03	2.17E-06	9.21E-07	7.02E-03	2.22E-06	9.40E-07	7.01E-03	2.21E-06	9.39E-07
751	490636.72, 3860335.12	7.16E-03	2.26E-06	9.58E-07	7.30E-03	2.30E-06	9.78E-07	7.29E-03	2.30E-06	9.77E-07
752	490686.72, 3860335.12	7.46E-03	2.36E-06	9.99E-07	7.61E-03	2.40E-06	1.02E-06	7.61E-03	2.40E-06	1.02E-06
753	490736.72, 3860335.12	7.80E-03	2.46E-06	1.04E-06	7.96E-03	2.51E-06	1.07E-06	7.95E-03	2.51E-06	1.07E-06
754	490786.72, 3860335.12	8.22E-03	2.59E-06	1.10E-06	8.38E-03	2.65E-06	1.12E-06	8.37E-03	2.64E-06	1.12E-06
755	490086.72, 3860385.12	4.58E-03	1.45E-06	6.14E-07	4.68E-03	1.48E-06	6.26E-07	4.67E-03	1.47E-06	6.26E-07
756	490136.72, 3860385.12	4.74E-03	1.50E-06	6.35E-07	4.84E-03	1.53E-06	6.48E-07	4.83E-03	1.52E-06	6.47E-07
757	490186.72, 3860385.12	4.88E-03	1.54E-06	6.53E-07	4.98E-03	1.57E-06	6.67E-07	4.97E-03	1.57E-06	6.66E-07
758	490236.72, 3860385.12	5.04E-03	1.59E-06	6.75E-07	5.14E-03	1.62E-06	6.88E-07	5.13E-03	1.62E-06	6.88E-07
759	490286.72, 3860385.12	5.19E-03	1.64E-06	6.95E-07	5.30E-03	1.67E-06	7.10E-07	5.29E-03	1.67E-06	7.09E-07
760	490336.72, 3860385.12	5.36E-03	1.69E-06	7.17E-07	5.46E-03	1.72E-06	7.32E-07	5.46E-03	1.72E-06	7.31E-07
761	490386.72, 3860385.12	5.52E-03	1.74E-06	7.40E-07	5.64E-03	1.78E-06	7.55E-07	5.63E-03	1.78E-06	7.54E-07
762	490436.72, 3860385.12	5.71E-03	1.80E-06	7.64E-07	5.82E-03	1.84E-06	7.80E-07	5.81E-03	1.84E-06	7.79E-07
763	490486.72, 3860385.12	5.90E-03	1.86E-06	7.91E-07	6.03E-03	1.90E-06	8.07E-07	6.02E-03	1.90E-06	8.06E-07
764	490536.72, 3860385.12	6.11E-03	1.93E-06	8.18E-07	6.24E-03	1.97E-06	8.35E-07	6.23E-03	1.97E-06	8.34E-07
765	490586.72, 3860385.12	6.33E-03	2.00E-06	8.48E-07	6.46E-03	2.04E-06	8.65E-07	6.45E-03	2.04E-06	8.64E-07
766	490636.72, 3860385.12	6.56E-03	2.07E-06	8.79E-07	6.70E-03	2.11E-06	8.97E-07	6.69E-03	2.11E-06	8.96E-07
767	490686.72, 3860385.12	6.83E-03	2.16E-06	9.15E-07	6.97E-03	2.20E-06	9.33E-07	6.96E-03	2.20E-06	9.32E-07
768	490736.72, 3860385.12	7.11E-03	2.24E-06	9.52E-07	7.25E-03	2.29E-06	9.71E-07	7.24E-03	2.29E-06	9.70E-07
769	490786.72, 3860385.12	7.43E-03	2.34E-06	9.94E-07	7.58E-03	2.39E-06	1.01E-06	7.57E-03	2.39E-06	1.01E-06
770	490136.72, 3860435.12	4.42E-03	1.40E-06	5.92E-07	4.51E-03	1.42E-06	6.04E-07	4.51E-03	1.42E-06	6.03E-07
771	490186.72, 3860435.12	4.56E-03	1.44E-06	6.10E-07	4.65E-03	1.47E-06	6.23E-07	4.65E-03	1.47E-06	6.22E-07
772	490236.72, 3860435.12	4.69E-03	1.48E-06	6.29E-07	4.79E-03	1.51E-06	6.41E-07	4.78E-03	1.51E-06	6.41E-07
773	490286.72, 3860435.12	4.83E-03	1.53E-06	6.47E-07	4.93E-03	1.56E-06	6.60E-07	4.93E-03	1.55E-06	6.60E-07
774	490336.72, 3860435.12	4.97E-03	1.57E-06	6.66E-07	5.07E-03	1.60E-06	6.79E-07	5.07E-03	1.60E-06	6.79E-07
775	490386.72, 3860435.12	5.13E-03	1.62E-06	6.86E-07	5.23E-03	1.65E-06	7.00E-07	5.22E-03	1.65E-06	7.00E-07
776	490436.72, 3860435.12	5.29E-03	1.67E-06	7.08E-07	5.39E-03	1.70E-06	7.22E-07	5.39E-03	1.70E-06	7.22E-07
777	490486.72, 3860435.12	5.46E-03	1.72E-06	7.31E-07	5.57E-03	1.76E-06	7.46E-07	5.56E-03	1.76E-06	7.45E-07
778	490536.72, 3860435.12	5.64E-03	1.78E-06	7.56E-07	5.76E-03	1.82E-06	7.71E-07	5.75E-03	1.82E-06	7.70E-07
779	490586.72, 3860435.12	5.83E-03	1.84E-06	7.81E-07	5.95E-03	1.88E-06	7.97E-07	5.95E-03	1.88E-06	7.96E-07
780	490636.72, 3860435.12	6.03E-03	1.90E-06	8.08E-07	6.16E-03	1.94E-06	8.25E-07	6.15E-03	1.94E-06	8.24E-07
781	490686.72, 3860435.12	6.26E-03	1.98E-06	8.39E-07	6.39E-03	2.02E-06	8.56E-07	6.38E-03	2.01E-06	8.55E-07
782	490736.72, 3860435.12	6.52E-03	2.06E-06	8.73E-07	6.65E-03	2.10E-06	8.91E-07	6.65E-03	2.10E-06	8.90E-07
783	490786.72, 3860435.12	6.78E-03	2.14E-06	9.08E-07	6.92E-03	2.18E-06	9.27E-07	6.91E-03	2.18E-06	9.26E-07
784	490136.72, 3860485.12	4.16E-03	1.31E-06	5.57E-07	4.24E-03	1.34E-06	5.68E-07	4.24E-03	1.34E-06	5.67E-07
785	490186.72, 3860485.12	4.27E-03	1.35E-06	5.72E-07	4.36E-03	1.38E-06	5.84E-07	4.35E-03	1.37E-06	5.83E-07
786	490236.72, 3860485.12	4.39E-03	1.38E-06	5.88E-07	4.48E-03	1.41E-06	5.99E-07	4.47E-03	1.41E-06	5.99E-07
787	490286.72, 3860485.12	4.52E-03	1.43E-06	6.05E-07	4.61E-03	1.45E-06	6.17E-07	4.60E-03	1.45E-06	6.16E-07
788	490336.72, 3860485.12	4.64E-03	1.46E-06	6.21E-07	4.73E-03	1.49E-06	6.34E-07	4.73E-03	1.49E-06	6.33E-07
789	490386.72, 3860485.12	4.78E-03	1.51E-06	6.40E-07	4.88E-03	1.54E-06	6.53E-07	4.87E-03	1.54E-06	6.52E-07
790	490436.72, 3860485.12	4.93E-03	1.56E-06	6.61E-07	5.03E-03	1.59E-06	6.74E-07	5.03E-03	1.59E-06	6.73E-07
791	490486.72, 3860485.12	5.08E-03	1.60E-06	6.80E-07	5.18E-03	1.64E-06	6.94E-07	5.18E-03	1.63E-06	6.93E-07
792	490536.72, 3860485.12	5.23E-03	1.65E-06	7.00E-07	5.33E-03	1.68E-06	7.14E-07	5.33E-03	1.68E-06	7.14E-07
793	490586.72, 3860485.12	5.39E-03	1.70E-06	7.22E-07	5.50E-03	1.74E-06	7.37E-07	5.49E-03	1.73E-06	7.36E-07
794	490636.72, 3860485.12	5.58E-03	1.76E-06	7.47E-07	5.69E-03	1.80E-06	7.62E-07	5.69E-03	1.79E-06	7.61E-07
795	490686.72, 3860485.12	5.76E-03	1.82E-06	7.72E-07	5.88E-03	1.86E-06	7.87E-07	5.87E-03	1.85E-06	7.87E-07
796	490736.72, 3860485.12	5.98E-03	1.89E-06	8.01E-07	6.10E-03	1.93E-06	8.17E-07	6.10E-03	1.92E-06	8.16E-07
797	490786.72, 3860485.12	6.21E-03	1.96E-06	8.32E-07	6.34E-03	2.00E-06	8.49E-07	6.33E-03	2.00E-06	8.48E-07
798	490136.72, 3860535.12	3.91E-03	1.23E-06	5.24E-07	3.99E-03	1.26E-06	5.35E-07	3.99E-03	1.26E-06	5.34E-07
799	490186.72, 3860535.12	4.04E-03	1.27E-06	5.40E-07	4.12E-03	1.30E-06	5.51E-07	4.11E-03	1.30E-06	5.51E-07
800	490236.72, 3860535.12	4.12E-03	1.30E-06	5.52E-07	4.21E-03	1.33E-06	5.63E-07	4.20E-03	1.33E-06	5.62E-07
801	490286.72, 3860535.12	4.23E-03	1.33E-06	5.66E-07	4.31E-03	1.36E-06	5.77E-07	4.31E-03	1.36E-06	5.77E-07
802	490336.72, 3860535.12	4.34E-03	1.37E-06	5.82E-07	4.43E-03	1.40E-06	5.94E-07	4.43E-03	1.40E-06	5.93E-07

803	490386.72, 3860535.12	4.48E-03	1.41E-06	5.99E-07	4.57E-03	1.44E-06	6.11E-07	4.56E-03	1.44E-06	6.11E-07
804	490436.72, 3860535.12	4.61E-03	1.45E-06	6.17E-07	4.70E-03	1.48E-06	6.30E-07	4.70E-03	1.48E-06	6.29E-07
805	490486.72, 3860535.12	4.75E-03	1.50E-06	6.36E-07	4.84E-03	1.53E-06	6.49E-07	4.84E-03	1.53E-06	6.48E-07
806	490536.72, 3860535.12	4.92E-03	1.55E-06	6.59E-07	5.02E-03	1.58E-06	6.72E-07	5.02E-03	1.58E-06	6.72E-07
807	490586.72, 3860535.12	5.02E-03	1.58E-06	6.72E-07	5.12E-03	1.62E-06	6.86E-07	5.12E-03	1.61E-06	6.85E-07
808	490636.72, 3860535.12	5.17E-03	1.63E-06	6.92E-07	5.27E-03	1.66E-06	7.06E-07	5.27E-03	1.66E-06	7.05E-07
809	490686.72, 3860535.12	5.34E-03	1.68E-06	7.15E-07	5.45E-03	1.72E-06	7.29E-07	5.44E-03	1.72E-06	7.29E-07
810	490736.72, 3860535.12	5.51E-03	1.74E-06	7.38E-07	5.62E-03	1.77E-06	7.53E-07	5.62E-03	1.77E-06	7.52E-07
811	490786.72, 3860535.12	5.71E-03	1.80E-06	7.65E-07	5.83E-03	1.84E-06	7.81E-07	5.82E-03	1.84E-06	7.80E-07
812	490136.72, 3860585.12	3.71E-03	1.17E-06	4.96E-07	3.78E-03	1.19E-06	5.07E-07	3.78E-03	1.19E-06	5.06E-07
813	490186.72, 3860585.12	3.75E-03	1.18E-06	5.03E-07	3.83E-03	1.21E-06	5.13E-07	3.83E-03	1.21E-06	5.12E-07
814	490236.72, 3860585.12	3.86E-03	1.22E-06	5.18E-07	3.94E-03	1.24E-06	5.28E-07	3.94E-03	1.24E-06	5.27E-07
815	490286.72, 3860585.12	3.97E-03	1.25E-06	5.32E-07	4.05E-03	1.28E-06	5.43E-07	4.05E-03	1.28E-06	5.42E-07
816	490336.72, 3860585.12	4.08E-03	1.29E-06	5.46E-07	4.16E-03	1.31E-06	5.57E-07	4.15E-03	1.31E-06	5.56E-07
817	490386.72, 3860585.12	4.18E-03	1.32E-06	5.60E-07	4.27E-03	1.35E-06	5.71E-07	4.26E-03	1.35E-06	5.71E-07
818	490436.72, 3860585.12	4.33E-03	1.37E-06	5.80E-07	4.42E-03	1.39E-06	5.92E-07	4.41E-03	1.39E-06	5.91E-07
819	490486.72, 3860585.12	4.48E-03	1.41E-06	6.00E-07	4.57E-03	1.44E-06	6.12E-07	4.56E-03	1.44E-06	6.11E-07
820	490536.72, 3860585.12	4.59E-03	1.45E-06	6.15E-07	4.69E-03	1.48E-06	6.28E-07	4.68E-03	1.48E-06	6.27E-07
821	490586.72, 3860585.12	4.66E-03	1.47E-06	6.24E-07	4.76E-03	1.50E-06	6.37E-07	4.75E-03	1.50E-06	6.36E-07
822	490636.72, 3860585.12	4.80E-03	1.52E-06	6.43E-07	4.90E-03	1.55E-06	6.56E-07	4.89E-03	1.54E-06	6.55E-07
823	490686.72, 3860585.12	4.95E-03	1.56E-06	6.62E-07	5.05E-03	1.59E-06	6.76E-07	5.04E-03	1.59E-06	6.75E-07
824	490736.72, 3860585.12	5.10E-03	1.61E-06	6.83E-07	5.21E-03	1.64E-06	6.97E-07	5.20E-03	1.64E-06	6.96E-07
825	490786.72, 3860585.12	5.26E-03	1.66E-06	7.05E-07	5.37E-03	1.69E-06	7.19E-07	5.36E-03	1.69E-06	7.18E-07
826	490136.72, 3860635.12	3.53E-03	1.11E-06	4.73E-07	3.60E-03	1.14E-06	4.83E-07	3.60E-03	1.14E-06	4.82E-07
827	490186.72, 3860635.12	3.59E-03	1.13E-06	4.81E-07	3.66E-03	1.16E-06	4.91E-07	3.66E-03	1.16E-06	4.90E-07
828	490236.72, 3860635.12	3.65E-03	1.15E-06	4.89E-07	3.72E-03	1.17E-06	4.98E-07	3.72E-03	1.17E-06	4.98E-07
829	490286.72, 3860635.12	3.73E-03	1.18E-06	5.00E-07	3.81E-03	1.20E-06	5.10E-07	3.80E-03	1.20E-06	5.09E-07
830	490336.72, 3860635.12	3.83E-03	1.21E-06	5.13E-07	3.91E-03	1.23E-06	5.23E-07	3.90E-03	1.23E-06	5.23E-07
831	490386.72, 3860635.12	3.93E-03	1.24E-06	5.26E-07	4.01E-03	1.27E-06	5.37E-07	4.01E-03	1.26E-06	5.36E-07
832	490436.72, 3860635.12	4.03E-03	1.27E-06	5.39E-07	4.11E-03	1.30E-06	5.50E-07	4.11E-03	1.30E-06	5.50E-07
833	490486.72, 3860635.12	4.14E-03	1.31E-06	5.54E-07	4.22E-03	1.33E-06	5.65E-07	4.22E-03	1.33E-06	5.65E-07
834	490536.72, 3860635.12	4.27E-03	1.35E-06	5.71E-07	4.35E-03	1.37E-06	5.83E-07	4.35E-03	1.37E-06	5.82E-07
835	490586.72, 3860635.12	4.36E-03	1.38E-06	5.84E-07	4.45E-03	1.40E-06	5.96E-07	4.44E-03	1.40E-06	5.95E-07
836	490636.72, 3860635.12	4.48E-03	1.42E-06	6.00E-07	4.58E-03	1.44E-06	6.13E-07	4.57E-03	1.44E-06	6.12E-07
837	490686.72, 3860635.12	4.61E-03	1.45E-06	6.17E-07	4.70E-03	1.48E-06	6.30E-07	4.70E-03	1.48E-06	6.29E-07
838	490736.72, 3860635.12	4.73E-03	1.49E-06	6.33E-07	4.82E-03	1.52E-06	6.46E-07	4.82E-03	1.52E-06	6.45E-07
839	490786.72, 3860635.12	4.87E-03	1.54E-06	6.52E-07	4.97E-03	1.57E-06	6.66E-07	4.96E-03	1.57E-06	6.65E-07
840	490136.72, 3860685.12	3.33E-03	1.05E-06	4.46E-07	3.40E-03	1.07E-06	4.56E-07	3.40E-03	1.07E-06	4.55E-07
841	490186.72, 3860685.12	3.43E-03	1.08E-06	4.60E-07	3.50E-03	1.11E-06	4.69E-07	3.50E-03	1.10E-06	4.69E-07
842	490236.72, 3860685.12	3.48E-03	1.10E-06	4.66E-07	3.55E-03	1.12E-06	4.76E-07	3.55E-03	1.12E-06	4.75E-07
843	490286.72, 3860685.12	3.51E-03	1.11E-06	4.70E-07	3.58E-03	1.13E-06	4.80E-07	3.58E-03	1.13E-06	4.79E-07
844	490336.72, 3860685.12	3.61E-03	1.14E-06	4.83E-07	3.68E-03	1.16E-06	4.93E-07	3.68E-03	1.16E-06	4.93E-07
845	490386.72, 3860685.12	3.70E-03	1.17E-06	4.95E-07	3.77E-03	1.19E-06	5.05E-07	3.77E-03	1.19E-06	5.05E-07
846	490436.72, 3860685.12	3.78E-03	1.19E-06	5.06E-07	3.86E-03	1.22E-06	5.16E-07	3.85E-03	1.22E-06	5.16E-07
847	490486.72, 3860685.12	3.86E-03	1.22E-06	5.17E-07	3.94E-03	1.24E-06	5.28E-07	3.94E-03	1.24E-06	5.27E-07
848	490536.72, 3860685.12	3.96E-03	1.25E-06	5.31E-07	4.04E-03	1.28E-06	5.42E-07	4.04E-03	1.27E-06	5.41E-07
849	490586.72, 3860685.12	4.07E-03	1.28E-06	5.45E-07	4.15E-03	1.31E-06	5.56E-07	4.15E-03	1.31E-06	5.55E-07
850	490636.72, 3860685.12	4.18E-03	1.32E-06	5.60E-07	4.27E-03	1.35E-06	5.72E-07	4.26E-03	1.35E-06	5.71E-07
851	490686.72, 3860685.12	4.31E-03	1.36E-06	5.77E-07	4.39E-03	1.39E-06	5.89E-07	4.39E-03	1.39E-06	5.88E-07
852	490736.72, 3860685.12	4.42E-03	1.39E-06	5.91E-07	4.51E-03	1.42E-06	6.03E-07	4.50E-03	1.42E-06	6.03E-07
853	490786.72, 3860685.12	4.56E-03	1.44E-06	6.10E-07	4.65E-03	1.47E-06	6.23E-07	4.65E-03	1.47E-06	6.22E-07
854	490136.72, 3860735.12	3.12E-03	9.85E-07	4.18E-07	3.19E-03	1.01E-06	4.27E-07	3.18E-03	1.00E-06	4.26E-07
855	490186.72, 3860735.12	3.18E-03	1.00E-06	4.26E-07	3.24E-03	1.02E-06	4.34E-07	3.24E-03	1.02E-06	4.34E-07
856	490236.72, 3860735.12	3.25E-03	1.02E-06	4.35E-07	3.31E-03	1.05E-06	4.44E-07	3.31E-03	1.04E-06	4.43E-07
857	490286.72, 3860735.12	3.32E-03	1.05E-06	4.45E-07	3.39E-03	1.07E-06	4.54E-07	3.38E-03	1.07E-06	4.53E-07
858	490336.72, 3860735.12	3.39E-03	1.07E-06	4.54E-07	3.46E-03	1.09E-06	4.64E-07	3.46E-03	1.09E-06	4.63E-07
859	490386.72, 3860735.12	3.48E-03	1.10E-06	4.66E-07	3.55E-03	1.12E-06	4.76E-07	3.55E-03	1.12E-06	4.75E-07
860	490436.72, 3860735.12	3.59E-03	1.13E-06	4.80E-07	3.66E-03	1.16E-06	4.90E-07	3.66E-03	1.15E-06	4.89E-07
861	490486.72, 3860735.12	3.65E-03	1.15E-06	4.89E-07	3.73E-03	1.18E-06	4.99E-07	3.72E-03	1.18E-06	4.99E-07
862	490536.72, 3860735.12	3.71E-03	1.17E-06	4.97E-07	3.78E-03	1.19E-06	5.07E-07	3.78E-03	1.19E-06	5.06E-07
863	490586.72, 3860735.12	3.79E-03	1.20E-06	5.08E-07	3.87E-03	1.22E-06	5.18E-07	3.87E-03	1.22E-06	5.18E-07
864	490636.72, 3860735.12	3.89E-03	1.23E-06	5.21E-07	3.97E-03	1.25E-06	5.31E-07	3.96E-03	1.25E-06	5.31E-07

865	490686.72, 3860735.12	4.01E-03	1.26E-06	5.36E-07	4.09E-03	1.29E-06	5.47E-07	4.08E-03	1.29E-06	5.47E-07
866	490736.72, 3860735.12	4.13E-03	1.30E-06	5.53E-07	4.21E-03	1.33E-06	5.64E-07	4.21E-03	1.33E-06	5.63E-07
867	490136.72, 3860785.12	2.94E-03	9.27E-07	3.93E-07	3.00E-03	9.46E-07	4.02E-07	2.99E-03	9.45E-07	4.01E-07
868	490186.72, 3860785.12	3.00E-03	9.47E-07	4.02E-07	3.06E-03	9.66E-07	4.10E-07	3.06E-03	9.65E-07	4.09E-07
869	490236.72, 3860785.12	3.06E-03	9.66E-07	4.10E-07	3.12E-03	9.86E-07	4.18E-07	3.12E-03	9.85E-07	4.18E-07
870	490286.72, 3860785.12	3.13E-03	9.87E-07	4.19E-07	3.19E-03	1.01E-06	4.27E-07	3.19E-03	1.01E-06	4.27E-07
871	490336.72, 3860785.12	3.19E-03	1.01E-06	4.27E-07	3.26E-03	1.03E-06	4.36E-07	3.25E-03	1.03E-06	4.36E-07
872	490386.72, 3860785.12	3.28E-03	1.03E-06	4.39E-07	3.34E-03	1.06E-06	4.48E-07	3.34E-03	1.05E-06	4.47E-07
873	490436.72, 3860785.12	3.35E-03	1.06E-06	4.48E-07	3.42E-03	1.08E-06	4.58E-07	3.41E-03	1.08E-06	4.57E-07
874	490486.72, 3860785.12	3.44E-03	1.09E-06	4.60E-07	3.51E-03	1.11E-06	4.70E-07	3.50E-03	1.11E-06	4.69E-07
875	490536.72, 3860785.12	3.50E-03	1.11E-06	4.69E-07	3.57E-03	1.13E-06	4.78E-07	3.57E-03	1.13E-06	4.78E-07
876	490586.72, 3860785.12	3.55E-03	1.12E-06	4.75E-07	3.62E-03	1.14E-06	4.85E-07	3.62E-03	1.14E-06	4.84E-07
877	490636.72, 3860785.12	3.63E-03	1.14E-06	4.86E-07	3.70E-03	1.17E-06	4.95E-07	3.70E-03	1.17E-06	4.95E-07
878	490686.72, 3860785.12	3.72E-03	1.17E-06	4.98E-07	3.80E-03	1.20E-06	5.08E-07	3.79E-03	1.20E-06	5.08E-07
879	490736.72, 3860785.12	3.83E-03	1.21E-06	5.13E-07	3.91E-03	1.23E-06	5.23E-07	3.90E-03	1.23E-06	5.23E-07
880	490086.72, 3860835.12	2.73E-03	8.62E-07	3.66E-07	2.79E-03	8.80E-07	3.73E-07	2.78E-03	8.79E-07	3.73E-07
881	490136.72, 3860835.12	2.79E-03	8.82E-07	3.74E-07	2.85E-03	9.00E-07	3.82E-07	2.85E-03	8.99E-07	3.81E-07
882	490186.72, 3860835.12	2.84E-03	8.97E-07	3.81E-07	2.90E-03	9.15E-07	3.88E-07	2.90E-03	9.14E-07	3.88E-07
883	490236.72, 3860835.12	2.90E-03	9.14E-07	3.88E-07	2.95E-03	9.32E-07	3.96E-07	2.95E-03	9.31E-07	3.95E-07
884	490286.72, 3860835.12	2.96E-03	9.33E-07	3.96E-07	3.02E-03	9.52E-07	4.04E-07	3.01E-03	9.51E-07	4.04E-07
885	490336.72, 3860835.12	3.01E-03	9.51E-07	4.03E-07	3.07E-03	9.70E-07	4.12E-07	3.07E-03	9.69E-07	4.11E-07
886	490386.72, 3860835.12	3.07E-03	9.70E-07	4.12E-07	3.14E-03	9.90E-07	4.20E-07	3.13E-03	9.89E-07	4.19E-07
887	490436.72, 3860835.12	3.15E-03	9.93E-07	4.21E-07	3.21E-03	1.01E-06	4.30E-07	3.21E-03	1.01E-06	4.30E-07
888	490486.72, 3860835.12	3.22E-03	1.02E-06	4.31E-07	3.29E-03	1.04E-06	4.40E-07	3.28E-03	1.04E-06	4.39E-07
889	490536.72, 3860835.12	3.29E-03	1.04E-06	4.40E-07	3.35E-03	1.06E-06	4.49E-07	3.35E-03	1.06E-06	4.48E-07
890	490586.72, 3860835.12	3.34E-03	1.06E-06	4.48E-07	3.41E-03	1.08E-06	4.57E-07	3.41E-03	1.08E-06	4.56E-07
891	490636.72, 3860835.12	3.40E-03	1.07E-06	4.56E-07	3.47E-03	1.10E-06	4.65E-07	3.47E-03	1.09E-06	4.64E-07
892	490686.72, 3860835.12	3.48E-03	1.10E-06	4.66E-07	3.55E-03	1.12E-06	4.76E-07	3.55E-03	1.12E-06	4.75E-07
893	490736.72, 3860835.12	3.57E-03	1.13E-06	4.79E-07	3.65E-03	1.15E-06	4.88E-07	3.64E-03	1.15E-06	4.88E-07
894	490086.72, 3860885.12	2.61E-03	8.22E-07	3.49E-07	2.66E-03	8.39E-07	3.56E-07	2.66E-03	8.38E-07	3.56E-07
895	490136.72, 3860885.12	2.65E-03	8.38E-07	3.55E-07	2.71E-03	8.55E-07	3.63E-07	2.71E-03	8.54E-07	3.62E-07
896	490186.72, 3860885.12	2.70E-03	8.52E-07	3.62E-07	2.76E-03	8.70E-07	3.69E-07	2.75E-03	8.69E-07	3.69E-07
897	490236.72, 3860885.12	2.75E-03	8.68E-07	3.68E-07	2.81E-03	8.86E-07	3.76E-07	2.80E-03	8.85E-07	3.75E-07
898	490286.72, 3860885.12	2.80E-03	8.84E-07	3.75E-07	2.86E-03	9.02E-07	3.83E-07	2.85E-03	9.01E-07	3.82E-07
899	490336.72, 3860885.12	2.85E-03	8.99E-07	3.81E-07	2.91E-03	9.17E-07	3.89E-07	2.90E-03	9.16E-07	3.89E-07
900	490386.72, 3860885.12	2.91E-03	9.18E-07	3.89E-07	2.97E-03	9.37E-07	3.97E-07	2.96E-03	9.35E-07	3.97E-07
901	490436.72, 3860885.12	2.97E-03	9.38E-07	3.98E-07	3.03E-03	9.57E-07	4.06E-07	3.03E-03	9.56E-07	4.06E-07
902	490486.72, 3860885.12	3.03E-03	9.57E-07	4.06E-07	3.09E-03	9.77E-07	4.14E-07	3.09E-03	9.76E-07	4.14E-07
903	490536.72, 3860885.12	3.09E-03	9.75E-07	4.14E-07	3.15E-03	9.95E-07	4.22E-07	3.15E-03	9.94E-07	4.22E-07
904	490586.72, 3860885.12	3.14E-03	9.93E-07	4.21E-07	3.21E-03	1.01E-06	4.30E-07	3.21E-03	1.01E-06	4.29E-07
905	490636.72, 3860885.12	3.20E-03	1.01E-06	4.28E-07	3.26E-03	1.03E-06	4.37E-07	3.26E-03	1.03E-06	4.36E-07
906	490686.72, 3860885.12	3.26E-03	1.03E-06	4.36E-07	3.33E-03	1.05E-06	4.45E-07	3.32E-03	1.05E-06	4.45E-07
907	490736.72, 3860885.12	3.33E-03	1.05E-06	4.45E-07	3.39E-03	1.07E-06	4.55E-07	3.39E-03	1.07E-06	4.54E-07
908	490086.72, 3860935.12	2.48E-03	7.82E-07	3.32E-07	2.53E-03	7.98E-07	3.39E-07	2.53E-03	7.97E-07	3.38E-07
909	490136.72, 3860935.12	2.51E-03	7.94E-07	3.37E-07	2.57E-03	8.10E-07	3.44E-07	2.56E-03	8.09E-07	3.43E-07
910	490186.72, 3860935.12	2.56E-03	8.09E-07	3.43E-07	2.62E-03	8.25E-07	3.50E-07	2.61E-03	8.24E-07	3.50E-07
911	490236.72, 3860935.12	2.61E-03	8.24E-07	3.50E-07	2.66E-03	8.41E-07	3.57E-07	2.66E-03	8.40E-07	3.56E-07
912	490286.72, 3860935.12	2.66E-03	8.39E-07	3.56E-07	2.71E-03	8.57E-07	3.63E-07	2.71E-03	8.56E-07	3.63E-07
913	490336.72, 3860935.12	2.70E-03	8.53E-07	3.62E-07	2.76E-03	8.70E-07	3.69E-07	2.75E-03	8.69E-07	3.69E-07
914	490386.72, 3860935.12	2.76E-03	8.70E-07	3.69E-07	2.81E-03	8.88E-07	3.77E-07	2.81E-03	8.87E-07	3.76E-07
915	490436.72, 3860935.12	2.81E-03	8.88E-07	3.77E-07	2.87E-03	9.06E-07	3.84E-07	2.87E-03	9.05E-07	3.84E-07
916	490486.72, 3860935.12	2.86E-03	9.04E-07	3.83E-07	2.92E-03	9.22E-07	3.91E-07	2.92E-03	9.21E-07	3.91E-07
917	490536.72, 3860935.12	2.92E-03	9.20E-07	3.90E-07	2.98E-03	9.39E-07	3.98E-07	2.97E-03	9.38E-07	3.98E-07
918	490586.72, 3860935.12	2.96E-03	9.35E-07	3.97E-07	3.02E-03	9.54E-07	4.05E-07	3.02E-03	9.53E-07	4.04E-07
919	490636.72, 3860935.12	3.01E-03	9.50E-07	4.03E-07	3.07E-03	9.69E-07	4.11E-07	3.07E-03	9.68E-07	4.11E-07
920	490686.72, 3860935.12	3.06E-03	9.66E-07	4.10E-07	3.12E-03	9.86E-07	4.18E-07	3.12E-03	9.85E-07	4.18E-07
921	490736.72, 3860935.12	3.11E-03	9.83E-07	4.17E-07	3.18E-03	1.00E-06	4.26E-07	3.17E-03	1.00E-06	4.25E-07
922	490786.72, 3860935.12	3.17E-03	1.00E-06	4.25E-07	3.24E-03	1.02E-06	4.33E-07	3.23E-03	1.02E-06	4.33E-07
923	490836.72, 3860935.12	3.24E-03	1.02E-06	4.34E-07	3.31E-03	1.04E-06	4.43E-07	3.30E-03	1.04E-06	4.42E-07
924	490086.72, 3860985.12	2.37E-03	7.47E-07	3.17E-07	2.42E-03	7.63E-07	3.24E-07	2.41E-03	7.62E-07	3.23E-07
925	490136.72, 3860985.12	2.41E-03	7.59E-07	3.22E-07	2.45E-03	7.75E-07	3.29E-07	2.45E-03	7.74E-07	3.28E-07
926	490186.72, 3860985.12	2.45E-03	7.73E-07	3.28E-07	2.50E-03	7.89E-07	3.35E-07	2.50E-03	7.88E-07	3.34E-07

927	490236.72, 3860985.12	2.48E-03	7.84E-07	3.33E-07	2.53E-03	8.00E-07	3.39E-07	2.53E-03	7.99E-07	3.39E-07
928	490286.72, 3860985.12	2.52E-03	7.96E-07	3.38E-07	2.57E-03	8.13E-07	3.45E-07	2.57E-03	8.12E-07	3.44E-07
929	490336.72, 3860985.12	2.57E-03	8.10E-07	3.44E-07	2.62E-03	8.26E-07	3.51E-07	2.61E-03	8.25E-07	3.50E-07
930	490386.72, 3860985.12	2.61E-03	8.24E-07	3.50E-07	2.66E-03	8.41E-07	3.57E-07	2.66E-03	8.40E-07	3.56E-07
931	490436.72, 3860985.12	2.67E-03	8.41E-07	3.57E-07	2.72E-03	8.59E-07	3.64E-07	2.72E-03	8.58E-07	3.64E-07
932	490486.72, 3860985.12	2.71E-03	8.55E-07	3.63E-07	2.76E-03	8.73E-07	3.70E-07	2.76E-03	8.71E-07	3.70E-07
933	490536.72, 3860985.12	2.75E-03	8.68E-07	3.68E-07	2.81E-03	8.86E-07	3.76E-07	2.80E-03	8.84E-07	3.75E-07
934	490586.72, 3860985.12	2.79E-03	8.81E-07	3.74E-07	2.85E-03	8.99E-07	3.81E-07	2.84E-03	8.98E-07	3.81E-07
935	490636.72, 3860985.12	2.84E-03	8.96E-07	3.80E-07	2.90E-03	9.14E-07	3.88E-07	2.89E-03	9.13E-07	3.87E-07
936	490686.72, 3860985.12	2.88E-03	9.08E-07	3.85E-07	2.94E-03	9.27E-07	3.93E-07	2.93E-03	9.26E-07	3.93E-07
937	490736.72, 3860985.12	2.92E-03	9.21E-07	3.91E-07	2.98E-03	9.40E-07	3.99E-07	2.97E-03	9.39E-07	3.98E-07
938	490786.72, 3860985.12	2.97E-03	9.36E-07	3.97E-07	3.03E-03	9.55E-07	4.05E-07	3.02E-03	9.54E-07	4.05E-07
939	490836.72, 3860985.12	3.02E-03	9.53E-07	4.04E-07	3.08E-03	9.73E-07	4.13E-07	3.08E-03	9.72E-07	4.12E-07
940	490086.72, 3861035.12	2.26E-03	7.14E-07	3.03E-07	2.31E-03	7.29E-07	3.09E-07	2.31E-03	7.28E-07	3.09E-07
941	490136.72, 3861035.12	2.30E-03	7.25E-07	3.08E-07	2.34E-03	7.40E-07	3.14E-07	2.34E-03	7.39E-07	3.14E-07
942	490186.72, 3861035.12	2.33E-03	7.36E-07	3.12E-07	2.38E-03	7.51E-07	3.19E-07	2.38E-03	7.50E-07	3.18E-07
943	490236.72, 3861035.12	2.37E-03	7.48E-07	3.17E-07	2.42E-03	7.63E-07	3.24E-07	2.41E-03	7.62E-07	3.23E-07
944	490286.72, 3861035.12	2.40E-03	7.58E-07	3.21E-07	2.45E-03	7.73E-07	3.28E-07	2.45E-03	7.72E-07	3.28E-07
945	490336.72, 3861035.12	2.43E-03	7.68E-07	3.26E-07	2.48E-03	7.84E-07	3.33E-07	2.48E-03	7.83E-07	3.32E-07
946	490386.72, 3861035.12	2.48E-03	7.83E-07	3.32E-07	2.53E-03	7.99E-07	3.39E-07	2.53E-03	7.98E-07	3.39E-07
947	490436.72, 3861035.12	2.53E-03	7.98E-07	3.39E-07	2.58E-03	8.14E-07	3.45E-07	2.58E-03	8.13E-07	3.45E-07
948	490486.72, 3861035.12	2.57E-03	8.10E-07	3.44E-07	2.62E-03	8.27E-07	3.51E-07	2.62E-03	8.26E-07	3.50E-07
949	490536.72, 3861035.12	2.60E-03	8.22E-07	3.49E-07	2.66E-03	8.38E-07	3.56E-07	2.65E-03	8.37E-07	3.55E-07
950	490586.72, 3861035.12	2.64E-03	8.32E-07	3.53E-07	2.69E-03	8.49E-07	3.60E-07	2.69E-03	8.48E-07	3.60E-07
951	490636.72, 3861035.12	2.67E-03	8.43E-07	3.58E-07	2.73E-03	8.60E-07	3.65E-07	2.72E-03	8.59E-07	3.65E-07
952	490686.72, 3861035.12	2.71E-03	8.54E-07	3.62E-07	2.76E-03	8.71E-07	3.70E-07	2.76E-03	8.70E-07	3.69E-07
953	490736.72, 3861035.12	2.74E-03	8.65E-07	3.67E-07	2.80E-03	8.82E-07	3.74E-07	2.79E-03	8.81E-07	3.74E-07
954	490786.72, 3861035.12	2.78E-03	8.77E-07	3.72E-07	2.84E-03	8.95E-07	3.80E-07	2.83E-03	8.94E-07	3.79E-07
955	490836.72, 3861035.12	2.82E-03	8.91E-07	3.78E-07	2.88E-03	9.09E-07	3.86E-07	2.88E-03	9.08E-07	3.85E-07
956	490086.72, 3861085.12	2.16E-03	6.83E-07	2.90E-07	2.21E-03	6.97E-07	2.96E-07	2.20E-03	6.96E-07	2.95E-07
957	490136.72, 3861085.12	2.20E-03	6.94E-07	2.95E-07	2.24E-03	7.09E-07	3.01E-07	2.24E-03	7.08E-07	3.00E-07
958	490186.72, 3861085.12	2.24E-03	7.06E-07	3.00E-07	2.28E-03	7.21E-07	3.06E-07	2.28E-03	7.20E-07	3.05E-07
959	490236.72, 3861085.12	2.26E-03	7.15E-07	3.03E-07	2.31E-03	7.29E-07	3.09E-07	2.31E-03	7.28E-07	3.09E-07
960	490286.72, 3861085.12	2.29E-03	7.23E-07	3.07E-07	2.34E-03	7.38E-07	3.13E-07	2.34E-03	7.37E-07	3.13E-07
961	490336.72, 3861085.12	2.32E-03	7.32E-07	3.11E-07	2.37E-03	7.47E-07	3.17E-07	2.37E-03	7.47E-07	3.17E-07
962	490386.72, 3861085.12	2.36E-03	7.45E-07	3.16E-07	2.41E-03	7.60E-07	3.22E-07	2.41E-03	7.59E-07	3.22E-07
963	490436.72, 3861085.12	2.39E-03	7.56E-07	3.21E-07	2.44E-03	7.71E-07	3.27E-07	2.44E-03	7.70E-07	3.27E-07
964	490486.72, 3861085.12	2.43E-03	7.67E-07	3.25E-07	2.48E-03	7.82E-07	3.32E-07	2.48E-03	7.81E-07	3.32E-07
965	490536.72, 3861085.12	2.47E-03	7.79E-07	3.30E-07	2.52E-03	7.95E-07	3.37E-07	2.51E-03	7.94E-07	3.37E-07
966	490586.72, 3861085.12	2.50E-03	7.88E-07	3.34E-07	2.55E-03	8.04E-07	3.41E-07	2.54E-03	8.03E-07	3.41E-07
967	490636.72, 3861085.12	2.52E-03	7.95E-07	3.37E-07	2.57E-03	8.11E-07	3.44E-07	2.57E-03	8.10E-07	3.44E-07
968	490686.72, 3861085.12	2.55E-03	8.03E-07	3.41E-07	2.60E-03	8.20E-07	3.48E-07	2.59E-03	8.19E-07	3.47E-07
969	490736.72, 3861085.12	2.58E-03	8.13E-07	3.45E-07	2.63E-03	8.30E-07	3.52E-07	2.63E-03	8.29E-07	3.52E-07
970	490786.72, 3861085.12	2.61E-03	8.24E-07	3.49E-07	2.66E-03	8.40E-07	3.57E-07	2.66E-03	8.39E-07	3.56E-07
971	490836.72, 3861085.12	2.64E-03	8.34E-07	3.54E-07	2.70E-03	8.51E-07	3.61E-07	2.69E-03	8.50E-07	3.61E-07
972	490086.72, 3861135.12	2.07E-03	6.53E-07	2.77E-07	2.11E-03	6.67E-07	2.83E-07	2.11E-03	6.66E-07	2.82E-07
973	490136.72, 3861135.12	2.10E-03	6.63E-07	2.81E-07	2.14E-03	6.76E-07	2.87E-07	2.14E-03	6.76E-07	2.87E-07
974	490186.72, 3861135.12	2.13E-03	6.73E-07	2.86E-07	2.18E-03	6.87E-07	2.91E-07	2.17E-03	6.86E-07	2.91E-07
975	490236.72, 3861135.12	2.16E-03	6.83E-07	2.90E-07	2.21E-03	6.97E-07	2.96E-07	2.20E-03	6.96E-07	2.95E-07
976	490286.72, 3861135.12	2.19E-03	6.91E-07	2.93E-07	2.24E-03	7.06E-07	2.99E-07	2.23E-03	7.05E-07	2.99E-07
977	490336.72, 3861135.12	2.22E-03	6.99E-07	2.97E-07	2.26E-03	7.14E-07	3.03E-07	2.26E-03	7.13E-07	3.02E-07
978	490386.72, 3861135.12	2.25E-03	7.09E-07	3.01E-07	2.29E-03	7.23E-07	3.07E-07	2.29E-03	7.22E-07	3.06E-07
979	490436.72, 3861135.12	2.27E-03	7.18E-07	3.05E-07	2.32E-03	7.32E-07	3.11E-07	2.32E-03	7.31E-07	3.10E-07
980	490486.72, 3861135.12	2.30E-03	7.27E-07	3.09E-07	2.35E-03	7.42E-07	3.15E-07	2.35E-03	7.41E-07	3.14E-07
981	490536.72, 3861135.12	2.33E-03	7.36E-07	3.12E-07	2.38E-03	7.52E-07	3.19E-07	2.38E-03	7.51E-07	3.18E-07
982	490586.72, 3861135.12	2.36E-03	7.45E-07	3.16E-07	2.41E-03	7.60E-07	3.22E-07	2.40E-03	7.59E-07	3.22E-07
983	490636.72, 3861135.12	2.38E-03	7.51E-07	3.19E-07	2.43E-03	7.66E-07	3.25E-07	2.42E-03	7.65E-07	3.25E-07
984	490686.72, 3861135.12	2.40E-03	7.59E-07	3.22E-07	2.45E-03	7.74E-07	3.29E-07	2.45E-03	7.73E-07	3.28E-07
985	490736.72, 3861135.12	2.43E-03	7.68E-07	3.26E-07	2.48E-03	7.83E-07	3.32E-07	2.48E-03	7.82E-07	3.32E-07
986	490786.72, 3861135.12	2.46E-03	7.76E-07	3.29E-07	2.51E-03	7.92E-07	3.36E-07	2.51E-03	7.91E-07	3.36E-07
987	490836.72, 3861135.12	2.49E-03	7.85E-07	3.33E-07	2.54E-03	8.01E-07	3.40E-07	2.53E-03	8.00E-07	3.39E-07
988	490086.72, 3861185.12	1.98E-03	6.25E-07	2.65E-07	2.02E-03	6.38E-07	2.71E-07	2.02E-03	6.37E-07	2.70E-07

989	490136.72, 3861185.12	2.00E-03	6.32E-07	2.68E-07	2.04E-03	6.45E-07	2.74E-07	2.04E-03	6.44E-07	2.73E-07
990	490186.72, 3861185.12	2.03E-03	6.40E-07	2.72E-07	2.07E-03	6.53E-07	2.77E-07	2.07E-03	6.53E-07	2.77E-07
991	490236.72, 3861185.12	2.06E-03	6.49E-07	2.75E-07	2.10E-03	6.62E-07	2.81E-07	2.10E-03	6.62E-07	2.81E-07
992	490286.72, 3861185.12	2.09E-03	6.59E-07	2.80E-07	2.13E-03	6.73E-07	2.85E-07	2.13E-03	6.72E-07	2.85E-07
993	490336.72, 3861185.12	2.10E-03	6.64E-07	2.82E-07	2.15E-03	6.77E-07	2.87E-07	2.14E-03	6.77E-07	2.87E-07
994	490386.72, 3861185.12	2.13E-03	6.72E-07	2.85E-07	2.17E-03	6.86E-07	2.91E-07	2.17E-03	6.85E-07	2.91E-07
995	490436.72, 3861185.12	2.16E-03	6.82E-07	2.89E-07	2.20E-03	6.96E-07	2.95E-07	2.20E-03	6.95E-07	2.95E-07
996	490486.72, 3861185.12	2.18E-03	6.90E-07	2.93E-07	2.23E-03	7.04E-07	2.99E-07	2.23E-03	7.03E-07	2.98E-07
997	490536.72, 3861185.12	2.22E-03	7.00E-07	2.97E-07	2.26E-03	7.15E-07	3.03E-07	2.26E-03	7.14E-07	3.03E-07
998	490586.72, 3861185.12	2.24E-03	7.07E-07	3.00E-07	2.28E-03	7.21E-07	3.06E-07	2.28E-03	7.20E-07	3.06E-07
999	490636.72, 3861185.12	2.25E-03	7.10E-07	3.01E-07	2.30E-03	7.25E-07	3.07E-07	2.29E-03	7.24E-07	3.07E-07
1000	490686.72, 3861185.12	2.27E-03	7.17E-07	3.04E-07	2.32E-03	7.32E-07	3.10E-07	2.32E-03	7.31E-07	3.10E-07
1001	490736.72, 3861185.12	2.30E-03	7.26E-07	3.08E-07	2.35E-03	7.41E-07	3.14E-07	2.35E-03	7.40E-07	3.14E-07
1002	490786.72, 3861185.12	2.33E-03	7.35E-07	3.12E-07	2.38E-03	7.50E-07	3.18E-07	2.37E-03	7.49E-07	3.18E-07
1003	490836.72, 3861185.12	2.35E-03	7.43E-07	3.15E-07	2.40E-03	7.58E-07	3.22E-07	2.40E-03	7.57E-07	3.21E-07
1004	490086.72, 3861235.12	1.90E-03	5.99E-07	2.54E-07	1.94E-03	6.11E-07	2.59E-07	1.93E-03	6.10E-07	2.59E-07
1005	490136.72, 3861235.12	1.92E-03	6.05E-07	2.57E-07	1.96E-03	6.17E-07	2.62E-07	1.95E-03	6.16E-07	2.61E-07
1006	490186.72, 3861235.12	1.94E-03	6.12E-07	2.60E-07	1.98E-03	6.25E-07	2.65E-07	1.98E-03	6.24E-07	2.65E-07
1007	490236.72, 3861235.12	1.96E-03	6.18E-07	2.62E-07	2.00E-03	6.31E-07	2.68E-07	2.00E-03	6.30E-07	2.67E-07
1008	490386.72, 3861235.12	2.02E-03	6.38E-07	2.71E-07	2.06E-03	6.51E-07	2.76E-07	2.06E-03	6.50E-07	2.76E-07
1009	490436.72, 3861235.12	2.04E-03	6.44E-07	2.73E-07	2.08E-03	6.58E-07	2.79E-07	2.08E-03	6.57E-07	2.79E-07
1010	490486.72, 3861235.12	2.06E-03	6.51E-07	2.76E-07	2.11E-03	6.65E-07	2.82E-07	2.10E-03	6.64E-07	2.82E-07
1011	490536.72, 3861235.12	2.10E-03	6.63E-07	2.81E-07	2.14E-03	6.77E-07	2.87E-07	2.14E-03	6.76E-07	2.87E-07
1012	490586.72, 3861235.12	2.13E-03	6.73E-07	2.85E-07	2.18E-03	6.87E-07	2.91E-07	2.17E-03	6.86E-07	2.91E-07
1013	490636.72, 3861235.12	2.13E-03	6.73E-07	2.86E-07	2.18E-03	6.87E-07	2.91E-07	2.17E-03	6.86E-07	2.91E-07
1014	490686.72, 3861235.12	2.15E-03	6.80E-07	2.88E-07	2.20E-03	6.94E-07	2.94E-07	2.20E-03	6.93E-07	2.94E-07
1015	490736.72, 3861235.12	2.18E-03	6.89E-07	2.92E-07	2.23E-03	7.03E-07	2.98E-07	2.22E-03	7.02E-07	2.98E-07
1016	490786.72, 3861235.12	2.21E-03	6.98E-07	2.96E-07	2.26E-03	7.12E-07	3.02E-07	2.25E-03	7.11E-07	3.02E-07
1017	490836.72, 3861235.12	2.23E-03	7.05E-07	2.99E-07	2.28E-03	7.19E-07	3.05E-07	2.28E-03	7.18E-07	3.05E-07
1018	490086.72, 3861285.12	1.82E-03	5.75E-07	2.44E-07	1.86E-03	5.87E-07	2.49E-07	1.86E-03	5.86E-07	2.49E-07
1019	490136.72, 3861285.12	1.85E-03	5.83E-07	2.47E-07	1.88E-03	5.95E-07	2.52E-07	1.88E-03	5.94E-07	2.52E-07
1020	490186.72, 3861285.12	1.86E-03	5.87E-07	2.49E-07	1.90E-03	5.99E-07	2.54E-07	1.89E-03	5.98E-07	2.54E-07
1021	490236.72, 3861285.12	1.87E-03	5.92E-07	2.51E-07	1.91E-03	6.04E-07	2.56E-07	1.91E-03	6.03E-07	2.56E-07
1022	490386.72, 3861285.12	1.93E-03	6.09E-07	2.58E-07	1.97E-03	6.21E-07	2.63E-07	1.97E-03	6.20E-07	2.63E-07
1023	490436.72, 3861285.12	1.95E-03	6.15E-07	2.61E-07	1.99E-03	6.28E-07	2.66E-07	1.99E-03	6.27E-07	2.66E-07
1024	490486.72, 3861285.12	1.97E-03	6.21E-07	2.63E-07	2.01E-03	6.33E-07	2.69E-07	2.00E-03	6.33E-07	2.68E-07
1025	490536.72, 3861285.12	1.99E-03	6.27E-07	2.66E-07	2.03E-03	6.40E-07	2.72E-07	2.03E-03	6.39E-07	2.71E-07
1026	490586.72, 3861285.12	2.01E-03	6.35E-07	2.69E-07	2.05E-03	6.48E-07	2.75E-07	2.05E-03	6.47E-07	2.75E-07
1027	490636.72, 3861285.12	2.02E-03	6.39E-07	2.71E-07	2.06E-03	6.52E-07	2.76E-07	2.06E-03	6.51E-07	2.76E-07
1028	490686.72, 3861285.12	2.04E-03	6.45E-07	2.74E-07	2.09E-03	6.59E-07	2.79E-07	2.08E-03	6.58E-07	2.79E-07
1029	490736.72, 3861285.12	2.08E-03	6.56E-07	2.78E-07	2.12E-03	6.69E-07	2.84E-07	2.12E-03	6.68E-07	2.84E-07
1030	490786.72, 3861285.12	2.10E-03	6.62E-07	2.81E-07	2.14E-03	6.76E-07	2.87E-07	2.14E-03	6.75E-07	2.86E-07
1031	490836.72, 3861285.12	2.11E-03	6.67E-07	2.83E-07	2.16E-03	6.81E-07	2.89E-07	2.16E-03	6.80E-07	2.89E-07
1032	490061.24, 3859716.13	2.21E-02	6.98E-06	2.96E-06	2.26E-02	7.13E-06	3.02E-06	2.26E-02	7.12E-06	3.02E-06
1033	490111.24, 3859716.13	2.53E-02	7.98E-06	3.39E-06	2.58E-02	8.15E-06	3.46E-06	2.58E-02	8.14E-06	3.45E-06
1034	490161.24, 3859716.13	2.93E-02	9.24E-06	3.92E-06	2.99E-02	9.43E-06	4.00E-06	2.98E-02	9.42E-06	4.00E-06
1035	490211.24, 3859716.13	3.44E-02	1.09E-05	4.61E-06	3.51E-02	1.11E-05	4.71E-06	3.51E-02	1.11E-05	4.70E-06
1036	490061.24, 3859766.13	1.74E-02	5.50E-06	2.34E-06	1.78E-02	5.62E-06	2.38E-06	1.78E-02	5.61E-06	2.38E-06
1037	490111.24, 3859766.13	1.92E-02	6.07E-06	2.57E-06	1.96E-02	6.19E-06	2.63E-06	1.96E-02	6.18E-06	2.62E-06
1038	490161.24, 3859766.13	2.13E-02	6.72E-06	2.85E-06	2.17E-02	6.85E-06	2.91E-06	2.17E-02	6.85E-06	2.90E-06
1039	490211.24, 3859766.13	2.39E-02	7.53E-06	3.20E-06	2.43E-02	7.68E-06	3.26E-06	2.43E-02	7.68E-06	3.26E-06
1040	490061.24, 3859816.13	1.44E-02	4.53E-06	1.92E-06	1.47E-02	4.63E-06	1.96E-06	1.46E-02	4.62E-06	1.96E-06
1041	490111.24, 3859816.13	1.55E-02	4.89E-06	2.08E-06	1.58E-02	4.99E-06	2.12E-06	1.58E-02	4.99E-06	2.12E-06
1042	490161.24, 3859816.13	1.68E-02	5.31E-06	2.25E-06	1.72E-02	5.42E-06	2.30E-06	1.71E-02	5.41E-06	2.30E-06
1043	490211.24, 3859816.13	1.83E-02	5.79E-06	2.46E-06	1.87E-02	5.90E-06	2.51E-06	1.87E-02	5.90E-06	2.50E-06
1044	490061.24, 3859866.13	1.22E-02	3.85E-06	1.63E-06	1.24E-02	3.93E-06	1.67E-06	1.24E-02	3.92E-06	1.66E-06
1045	490111.24, 3859866.13	1.30E-02	4.11E-06	1.74E-06	1.33E-02	4.19E-06	1.78E-06	1.33E-02	4.19E-06	1.78E-06
1046	490161.24, 3859866.13	1.40E-02	4.41E-06	1.87E-06	1.42E-02	4.50E-06	1.91E-06	1.42E-02	4.49E-06	1.91E-06
1047	490211.24, 3859866.13	1.50E-02	4.74E-06	2.01E-06	1.53E-02	4.83E-06	2.05E-06	1.53E-02	4.83E-06	2.05E-06
1048	490061.24, 3859916.13	1.06E-02	3.33E-06	1.41E-06	1.08E-02	3.40E-06	1.44E-06	1.08E-02	3.40E-06	1.44E-06
1049	490111.24, 3859916.13	1.12E-02	3.54E-06	1.50E-06	1.14E-02	3.61E-06	1.53E-06	1.14E-02	3.61E-06	1.53E-06
1050	490161.24, 3859916.13	1.19E-02	3.76E-06	1.59E-06	1.21E-02	3.83E-06	1.63E-06	1.21E-02	3.83E-06	1.62E-06

1051	490211.24, 3859916.13	1.26E-02	3.99E-06	1.69E-06	1.29E-02	4.07E-06	1.73E-06	1.29E-02	4.07E-06	1.73E-06
1052	490229.25, 3859815.26	1.91E-02	6.03E-06	2.56E-06	1.95E-02	6.15E-06	2.61E-06	1.95E-02	6.14E-06	2.61E-06
1053	490279.25, 3859815.26	2.10E-02	6.61E-06	2.81E-06	2.14E-02	6.75E-06	2.86E-06	2.14E-02	6.74E-06	2.86E-06
1054	490329.25, 3859815.26	2.32E-02	7.32E-06	3.10E-06	2.37E-02	7.47E-06	3.17E-06	2.36E-02	7.46E-06	3.16E-06
1055	490379.25, 3859815.26	2.64E-02	8.32E-06	3.53E-06	2.69E-02	8.49E-06	3.60E-06	2.69E-02	8.48E-06	3.60E-06
1056	490429.25, 3859815.26	3.10E-02	9.77E-06	4.15E-06	3.16E-02	9.97E-06	4.23E-06	3.15E-02	9.96E-06	4.22E-06
1057	490229.25, 3859865.26	1.55E-02	4.88E-06	2.07E-06	1.58E-02	4.98E-06	2.11E-06	1.58E-02	4.98E-06	2.11E-06
1058	490279.25, 3859865.26	1.67E-02	5.26E-06	2.23E-06	1.70E-02	5.37E-06	2.28E-06	1.70E-02	5.36E-06	2.27E-06
1059	490329.25, 3859865.26	1.80E-02	5.69E-06	2.41E-06	1.84E-02	5.80E-06	2.46E-06	1.84E-02	5.79E-06	2.46E-06
1060	490379.25, 3859865.26	1.97E-02	6.22E-06	2.64E-06	2.01E-02	6.35E-06	2.69E-06	2.01E-02	6.34E-06	2.69E-06
1061	490429.25, 3859865.26	2.19E-02	6.91E-06	2.93E-06	2.23E-02	7.05E-06	2.99E-06	2.23E-02	7.04E-06	2.99E-06
1062	490229.25, 3859915.26	1.30E-02	4.10E-06	1.74E-06	1.32E-02	4.18E-06	1.77E-06	1.32E-02	4.18E-06	1.77E-06
1063	490279.25, 3859915.26	1.38E-02	4.35E-06	1.85E-06	1.41E-02	4.44E-06	1.88E-06	1.40E-02	4.43E-06	1.88E-06
1064	490329.25, 3859915.26	1.47E-02	4.65E-06	1.97E-06	1.50E-02	4.74E-06	2.01E-06	1.50E-02	4.74E-06	2.01E-06
1065	490379.25, 3859915.26	1.58E-02	5.00E-06	2.12E-06	1.62E-02	5.10E-06	2.16E-06	1.61E-02	5.09E-06	2.16E-06
1066	490429.25, 3859915.26	1.71E-02	5.39E-06	2.29E-06	1.74E-02	5.50E-06	2.33E-06	1.74E-02	5.49E-06	2.33E-06
1067	490451.43, 3859872.59	2.20E-02	6.94E-06	2.94E-06	2.24E-02	7.08E-06	3.00E-06	2.24E-02	7.07E-06	3.00E-06
1068	490501.43, 3859872.59	2.50E-02	7.88E-06	3.34E-06	2.55E-02	8.04E-06	3.41E-06	2.54E-02	8.03E-06	3.41E-06
1069	490551.43, 3859872.59	2.93E-02	9.26E-06	3.93E-06	2.99E-02	9.45E-06	4.01E-06	2.99E-02	9.43E-06	4.00E-06
1070	490601.43, 3859872.59	3.53E-02	1.11E-05	4.73E-06	3.60E-02	1.14E-05	4.82E-06	3.60E-02	1.14E-05	4.82E-06
1071	490451.43, 3859922.59	1.72E-02	5.42E-06	2.30E-06	1.75E-02	5.53E-06	2.35E-06	1.75E-02	5.52E-06	2.34E-06
1072	490501.43, 3859922.59	1.88E-02	5.93E-06	2.52E-06	1.92E-02	6.05E-06	2.57E-06	1.92E-02	6.05E-06	2.57E-06
1073	490551.43, 3859922.59	2.11E-02	6.65E-06	2.82E-06	2.15E-02	6.78E-06	2.88E-06	2.15E-02	6.78E-06	2.87E-06
1074	490601.43, 3859922.59	2.41E-02	7.59E-06	3.22E-06	2.46E-02	7.75E-06	3.29E-06	2.45E-02	7.74E-06	3.28E-06
1075	482129.67, 3852241.07	3.62E-02	1.14E-05	4.85E-06	3.69E-02	1.17E-05	4.94E-06	3.69E-02	1.16E-05	4.94E-06
1076	482029.67, 3852291.07	5.89E-02	1.86E-05	7.88E-06	6.01E-02	1.90E-05	8.04E-06	6.00E-02	1.89E-05	8.04E-06
1077	482079.67, 3852291.07	4.84E-02	1.53E-05	6.48E-06	4.94E-02	1.56E-05	6.61E-06	4.93E-02	1.56E-05	6.61E-06
1078	482129.67, 3852291.07	4.11E-02	1.30E-05	5.50E-06	4.19E-02	1.32E-05	5.62E-06	4.19E-02	1.32E-05	5.61E-06
1079	482179.67, 3852291.07	3.54E-02	1.12E-05	4.74E-06	3.61E-02	1.14E-05	4.84E-06	3.61E-02	1.14E-05	4.83E-06
1080	482229.67, 3852291.07	3.05E-02	9.61E-06	4.08E-06	3.11E-02	9.81E-06	4.16E-06	3.10E-02	9.80E-06	4.16E-06
1081	482029.67, 3852341.07	7.40E-02	2.34E-05	9.91E-06	7.55E-02	2.38E-05	1.01E-05	7.55E-02	2.38E-05	1.01E-05
1082	482079.67, 3852341.07	5.83E-02	1.84E-05	7.81E-06	5.95E-02	1.88E-05	7.97E-06	5.94E-02	1.88E-05	7.96E-06
1083	482129.67, 3852341.07	4.80E-02	1.51E-05	6.42E-06	4.90E-02	1.54E-05	6.56E-06	4.89E-02	1.54E-05	6.55E-06
1084	482179.67, 3852341.07	4.06E-02	1.28E-05	5.44E-06	4.15E-02	1.31E-05	5.55E-06	4.14E-02	1.31E-05	5.55E-06
1085	482259.06, 3852400.14	3.85E-02	1.21E-05	5.15E-06	3.93E-02	1.24E-05	5.26E-06	3.92E-02	1.24E-05	5.25E-06
1086	482309.06, 3852400.14	3.29E-02	1.04E-05	4.41E-06	3.36E-02	1.06E-05	4.50E-06	3.35E-02	1.06E-05	4.49E-06
1087	482209.06, 3852450.14	5.20E-02	1.64E-05	6.97E-06	5.31E-02	1.68E-05	7.11E-06	5.30E-02	1.67E-05	7.10E-06
1088	482259.06, 3852450.14	4.42E-02	1.39E-05	5.91E-06	4.51E-02	1.42E-05	6.03E-06	4.50E-02	1.42E-05	6.03E-06
1089	482309.06, 3852450.14	3.79E-02	1.19E-05	5.07E-06	3.86E-02	1.22E-05	5.17E-06	3.86E-02	1.22E-05	5.17E-06
1090	482209.06, 3852500.14	6.30E-02	1.99E-05	8.44E-06	6.43E-02	2.03E-05	8.61E-06	6.42E-02	2.03E-05	8.60E-06
1091	482259.06, 3852500.14	5.21E-02	1.65E-05	6.98E-06	5.32E-02	1.68E-05	7.12E-06	5.31E-02	1.68E-05	7.11E-06
1092	482309.06, 3852500.14	4.37E-02	1.38E-05	5.85E-06	4.46E-02	1.41E-05	5.97E-06	4.45E-02	1.41E-05	5.97E-06
1093	482283.91, 3852513.62	4.99E-02	1.58E-05	6.69E-06	5.10E-02	1.61E-05	6.82E-06	5.09E-02	1.61E-05	6.82E-06
1094	482333.91, 3852513.62	4.21E-02	1.33E-05	5.64E-06	4.30E-02	1.36E-05	5.75E-06	4.29E-02	1.35E-05	5.74E-06
1095	482283.91, 3852563.62	5.98E-02	1.89E-05	8.00E-06	6.10E-02	1.93E-05	8.17E-06	6.09E-02	1.92E-05	8.16E-06
1096	482333.91, 3852563.62	4.95E-02	1.56E-05	6.63E-06	5.05E-02	1.59E-05	6.76E-06	5.04E-02	1.59E-05	6.76E-06
1097	482383.91, 3852563.62	4.19E-02	1.32E-05	5.61E-06	4.28E-02	1.35E-05	5.73E-06	4.27E-02	1.35E-05	5.72E-06
1098	482283.91, 3852613.62	7.70E-02	2.43E-05	1.03E-05	7.85E-02	2.48E-05	1.05E-05	7.84E-02	2.48E-05	1.05E-05
1099	482333.91, 3852613.62	5.97E-02	1.88E-05	7.99E-06	6.09E-02	1.92E-05	8.15E-06	6.08E-02	1.92E-05	8.14E-06
1100	482383.91, 3852613.62	4.89E-02	1.54E-05	6.55E-06	4.99E-02	1.58E-05	6.69E-06	4.99E-02	1.57E-05	6.68E-06
1101	482602.38, 3852600.87	2.54E-02	8.03E-06	3.41E-06	2.60E-02	8.20E-06	3.48E-06	2.59E-02	8.19E-06	3.47E-06
1102	482652.38, 3852600.87	2.32E-02	7.32E-06	3.11E-06	2.37E-02	7.47E-06	3.17E-06	2.36E-02	7.46E-06	3.17E-06
1103	482702.38, 3852600.87	2.04E-02	6.45E-06	2.74E-06	2.09E-02	6.58E-06	2.79E-06	2.08E-02	6.57E-06	2.79E-06
1104	482552.38, 3852650.87	3.28E-02	1.03E-05	4.39E-06	3.35E-02	1.06E-05	4.48E-06	3.34E-02	1.05E-05	4.47E-06
1105	482602.38, 3852650.87	2.84E-02	8.96E-06	3.80E-06	2.90E-02	9.15E-06	3.88E-06	2.89E-02	9.14E-06	3.88E-06
1106	482652.38, 3852650.87	2.57E-02	8.11E-06	3.44E-06	2.62E-02	8.28E-06	3.51E-06	2.62E-02	8.27E-06	3.51E-06
1107	482702.38, 3852650.87	2.35E-02	7.41E-06	3.14E-06	2.40E-02	7.56E-06	3.21E-06	2.39E-02	7.55E-06	3.20E-06
1108	482552.38, 3852700.87	3.71E-02	1.17E-05	4.97E-06	3.79E-02	1.20E-05	5.07E-06	3.78E-02	1.19E-05	5.07E-06
1109	482602.38, 3852700.87	3.27E-02	1.03E-05	4.38E-06	3.34E-02	1.05E-05	4.47E-06	3.34E-02	1.05E-05	4.47E-06
1110	482652.38, 3852700.87	2.96E-02	9.35E-06	3.97E-06	3.02E-02	9.54E-06	4.05E-06	3.02E-02	9.53E-06	4.04E-06
1111	482702.38, 3852700.87	2.66E-02	8.41E-06	3.57E-06	2.72E-02	8.58E-06	3.64E-06	2.72E-02	8.57E-06	3.64E-06
1112	482452.38, 3852750.87	6.41E-02	2.02E-05	8.59E-06	6.54E-02	2.07E-05	8.76E-06	6.54E-02	2.06E-05	8.75E-06

1113	482521.29, 3852749.74	4.77E-02	1.50E-05	6.38E-06	4.86E-02	1.54E-05	6.51E-06	4.86E-02	1.53E-05	6.51E-06
1114	482571.29, 3852749.74	4.04E-02	1.27E-05	5.41E-06	4.12E-02	1.30E-05	5.52E-06	4.12E-02	1.30E-05	5.51E-06
1115	482521.29, 3852799.74	5.77E-02	1.82E-05	7.73E-06	5.89E-02	1.86E-05	7.88E-06	5.88E-02	1.86E-05	7.87E-06
1116	482571.29, 3852799.74	4.73E-02	1.49E-05	6.33E-06	4.83E-02	1.52E-05	6.46E-06	4.82E-02	1.52E-05	6.45E-06
1117	482621.29, 3852799.74	4.01E-02	1.27E-05	5.37E-06	4.09E-02	1.29E-05	5.48E-06	4.09E-02	1.29E-05	5.48E-06
1118	482571.29, 3852849.74	5.70E-02	1.80E-05	7.63E-06	5.81E-02	1.83E-05	7.78E-06	5.80E-02	1.83E-05	7.77E-06
1119	482621.29, 3852849.74	4.67E-02	1.47E-05	6.26E-06	4.77E-02	1.50E-05	6.38E-06	4.76E-02	1.50E-05	6.38E-06
1120	482577.42, 3852901.55	7.00E-02	2.21E-05	9.38E-06	7.15E-02	2.26E-05	9.57E-06	7.14E-02	2.25E-05	9.56E-06
1121	482627.42, 3852901.55	5.51E-02	1.74E-05	7.37E-06	5.62E-02	1.77E-05	7.52E-06	5.61E-02	1.77E-05	7.51E-06
1122	482629.96, 3852955.85	6.83E-02	2.15E-05	9.14E-06	6.96E-02	2.20E-05	9.33E-06	6.96E-02	2.20E-05	9.32E-06
1123	482679.96, 3852955.85	5.32E-02	1.68E-05	7.13E-06	5.43E-02	1.71E-05	7.28E-06	5.43E-02	1.71E-05	7.27E-06
1124	482781.63, 3853034.48	4.31E-02	1.36E-05	5.77E-06	4.40E-02	1.39E-05	5.89E-06	4.40E-02	1.39E-05	5.89E-06
1125	482831.63, 3853034.48	3.60E-02	1.14E-05	4.82E-06	3.67E-02	1.16E-05	4.92E-06	3.67E-02	1.16E-05	4.92E-06
1126	482881.63, 3853034.48	3.07E-02	9.68E-06	4.11E-06	3.13E-02	9.88E-06	4.19E-06	3.13E-02	9.87E-06	4.19E-06
1127	482781.63, 3853084.48	4.75E-02	1.50E-05	6.36E-06	4.85E-02	1.53E-05	6.49E-06	4.84E-02	1.53E-05	6.48E-06
1128	482831.63, 3853084.48	3.90E-02	1.23E-05	5.22E-06	3.98E-02	1.26E-05	5.33E-06	3.97E-02	1.25E-05	5.32E-06
1129	482881.63, 3853084.48	3.31E-02	1.04E-05	4.43E-06	3.38E-02	1.07E-05	4.52E-06	3.37E-02	1.06E-05	4.52E-06
1130	482781.63, 3853134.48	5.31E-02	1.68E-05	7.11E-06	5.42E-02	1.71E-05	7.25E-06	5.41E-02	1.71E-05	7.25E-06
1131	482831.63, 3853134.48	4.26E-02	1.34E-05	5.70E-06	4.34E-02	1.37E-05	5.82E-06	4.34E-02	1.37E-05	5.81E-06
1132	482881.63, 3853134.48	3.58E-02	1.13E-05	4.80E-06	3.65E-02	1.15E-05	4.89E-06	3.65E-02	1.15E-05	4.89E-06
1133	482831.63, 3853184.48	4.72E-02	1.49E-05	6.32E-06	4.82E-02	1.52E-05	6.45E-06	4.81E-02	1.52E-05	6.44E-06
1134	482881.63, 3853184.48	3.88E-02	1.22E-05	5.19E-06	3.95E-02	1.25E-05	5.30E-06	3.95E-02	1.25E-05	5.29E-06
1135	484154.84, 3854250.98	1.91E-03	6.02E-07	2.55E-07	1.95E-03	6.14E-07	2.61E-07	1.94E-03	6.13E-07	2.60E-07
1136	484204.84, 3854250.98	1.89E-03	5.96E-07	2.53E-07	1.93E-03	6.08E-07	2.58E-07	1.92E-03	6.07E-07	2.58E-07
1137	484154.84, 3854300.98	1.80E-03	5.69E-07	2.41E-07	1.84E-03	5.80E-07	2.46E-07	1.84E-03	5.79E-07	2.46E-07
1138	484204.84, 3854300.98	1.80E-03	5.67E-07	2.40E-07	1.83E-03	5.78E-07	2.45E-07	1.83E-03	5.77E-07	2.45E-07
1139	484074.19, 3854519.8	1.51E-03	4.76E-07	2.02E-07	1.54E-03	4.86E-07	2.06E-07	1.54E-03	4.85E-07	2.06E-07
1140	484124.19, 3854519.8	1.50E-03	4.72E-07	2.00E-07	1.53E-03	4.82E-07	2.04E-07	1.52E-03	4.81E-07	2.04E-07
1141	484074.19, 3854569.8	1.45E-03	4.58E-07	1.94E-07	1.48E-03	4.67E-07	1.98E-07	1.48E-03	4.67E-07	1.98E-07
1142	484124.19, 3854569.8	1.43E-03	4.51E-07	1.91E-07	1.46E-03	4.60E-07	1.95E-07	1.46E-03	4.60E-07	1.95E-07
1143	485205.11, 3855188.89	1.21E-03	3.81E-07	1.62E-07	1.23E-03	3.89E-07	1.65E-07	1.23E-03	3.89E-07	1.65E-07
1144	485255.11, 3855188.89	1.19E-03	3.76E-07	1.60E-07	1.22E-03	3.84E-07	1.63E-07	1.21E-03	3.83E-07	1.63E-07
1145	485205.11, 3855238.89	1.19E-03	3.75E-07	1.59E-07	1.21E-03	3.83E-07	1.62E-07	1.21E-03	3.82E-07	1.62E-07
1146	485255.11, 3855238.89	1.18E-03	3.73E-07	1.58E-07	1.20E-03	3.80E-07	1.61E-07	1.20E-03	3.80E-07	1.61E-07
1147	485205.11, 3855288.89	1.19E-03	3.76E-07	1.60E-07	1.22E-03	3.84E-07	1.63E-07	1.21E-03	3.83E-07	1.63E-07
1148	485255.11, 3855288.89	1.18E-03	3.73E-07	1.58E-07	1.20E-03	3.80E-07	1.61E-07	1.20E-03	3.80E-07	1.61E-07
1149	485255.11, 3855338.89	1.18E-03	3.72E-07	1.58E-07	1.20E-03	3.79E-07	1.61E-07	1.20E-03	3.79E-07	1.61E-07
1150	485305.11, 3855338.89	1.17E-03	3.69E-07	1.56E-07	1.19E-03	3.76E-07	1.60E-07	1.19E-03	3.76E-07	1.59E-07
1151	485852.5, 3855635.28	1.05E-03	3.33E-07	1.41E-07	1.08E-03	3.39E-07	1.44E-07	1.07E-03	3.39E-07	1.44E-07
1152	485902.5, 3855635.28	1.04E-03	3.29E-07	1.40E-07	1.07E-03	3.36E-07	1.43E-07	1.06E-03	3.36E-07	1.42E-07
1153	485852.5, 3855685.28	1.05E-03	3.30E-07	1.40E-07	1.07E-03	3.37E-07	1.43E-07	1.07E-03	3.37E-07	1.43E-07
1154	485902.5, 3855685.28	1.04E-03	3.27E-07	1.39E-07	1.06E-03	3.34E-07	1.42E-07	1.06E-03	3.33E-07	1.41E-07
1155	485852.5, 3855735.28	1.04E-03	3.28E-07	1.39E-07	1.06E-03	3.35E-07	1.42E-07	1.06E-03	3.34E-07	1.42E-07
1156	485902.5, 3855735.28	1.03E-03	3.26E-07	1.38E-07	1.05E-03	3.32E-07	1.41E-07	1.05E-03	3.32E-07	1.41E-07
1157	485852.5, 3855785.28	1.03E-03	3.26E-07	1.38E-07	1.05E-03	3.33E-07	1.41E-07	1.05E-03	3.32E-07	1.41E-07
1158	485902.5, 3855785.28	1.02E-03	3.23E-07	1.37E-07	1.05E-03	3.30E-07	1.40E-07	1.04E-03	3.30E-07	1.40E-07
1159	486809.46, 3856465.28	8.94E-04	2.82E-07	1.20E-07	9.12E-04	2.88E-07	1.22E-07	9.11E-04	2.87E-07	1.22E-07
1160	486859.46, 3856465.28	8.92E-04	2.82E-07	1.19E-07	9.10E-04	2.87E-07	1.22E-07	9.09E-04	2.87E-07	1.22E-07
1161	486909.46, 3856465.28	8.89E-04	2.81E-07	1.19E-07	9.07E-04	2.86E-07	1.21E-07	9.06E-04	2.86E-07	1.21E-07
1162	486809.46, 3856515.28	8.95E-04	2.82E-07	1.20E-07	9.13E-04	2.88E-07	1.22E-07	9.12E-04	2.88E-07	1.22E-07
1163	486859.46, 3856515.28	8.94E-04	2.82E-07	1.20E-07	9.13E-04	2.88E-07	1.22E-07	9.11E-04	2.88E-07	1.22E-07
1164	486909.46, 3856515.28	8.93E-04	2.82E-07	1.20E-07	9.11E-04	2.87E-07	1.22E-07	9.10E-04	2.87E-07	1.22E-07
1165	486980.94, 3856357.95	8.85E-04	2.79E-07	1.19E-07	9.03E-04	2.85E-07	1.21E-07	9.02E-04	2.85E-07	1.21E-07
1166	487030.94, 3856357.95	8.85E-04	2.79E-07	1.18E-07	9.03E-04	2.85E-07	1.21E-07	9.02E-04	2.85E-07	1.21E-07
1167	486980.94, 3856407.95	8.86E-04	2.80E-07	1.19E-07	9.04E-04	2.85E-07	1.21E-07	9.03E-04	2.85E-07	1.21E-07
1168	487030.94, 3856407.95	8.84E-04	2.79E-07	1.18E-07	9.02E-04	2.85E-07	1.21E-07	9.01E-04	2.84E-07	1.21E-07
1169	487447.18, 3856437.45	8.88E-04	2.80E-07	1.19E-07	9.06E-04	2.86E-07	1.21E-07	9.05E-04	2.86E-07	1.21E-07
1170	487497.18, 3856437.45	8.90E-04	2.81E-07	1.19E-07	9.08E-04	2.87E-07	1.22E-07	9.07E-04	2.86E-07	1.21E-07
1171	487547.18, 3856437.45	8.92E-04	2.82E-07	1.19E-07	9.10E-04	2.87E-07	1.22E-07	9.09E-04	2.87E-07	1.22E-07
1172	487447.18, 3856487.45	8.87E-04	2.80E-07	1.19E-07	9.05E-04	2.86E-07	1.21E-07	9.04E-04	2.85E-07	1.21E-07
1173	487497.18, 3856487.45	8.88E-04	2.80E-07	1.19E-07	9.07E-04	2.86E-07	1.21E-07	9.05E-04	2.86E-07	1.21E-07
1174	487547.18, 3856487.45	8.91E-04	2.81E-07	1.19E-07	9.09E-04	2.87E-07	1.22E-07	9.08E-04	2.87E-07	1.22E-07

1175	487447.18, 3856537.45	8.86E-04	2.80E-07	1.19E-07	9.04E-04	2.85E-07	1.21E-07	9.03E-04	2.85E-07	1.21E-07
1176	487497.18, 3856537.45	8.88E-04	2.80E-07	1.19E-07	9.06E-04	2.86E-07	1.21E-07	9.05E-04	2.86E-07	1.21E-07
1177	487547.18, 3856537.45	8.90E-04	2.81E-07	1.19E-07	9.09E-04	2.87E-07	1.22E-07	9.08E-04	2.86E-07	1.22E-07
1178	489285.89, 3858826.54	1.16E-02	3.67E-06	1.56E-06	1.19E-02	3.74E-06	1.59E-06	1.18E-02	3.74E-06	1.59E-06
1179	489335.89, 3858826.54	1.13E-02	3.56E-06	1.51E-06	1.15E-02	3.63E-06	1.54E-06	1.15E-02	3.63E-06	1.54E-06
1180	489385.89, 3858826.54	1.09E-02	3.45E-06	1.46E-06	1.11E-02	3.52E-06	1.49E-06	1.11E-02	3.51E-06	1.49E-06
1181	489435.89, 3858826.54	1.06E-02	3.34E-06	1.42E-06	1.08E-02	3.41E-06	1.45E-06	1.08E-02	3.40E-06	1.44E-06
1182	489485.89, 3858826.54	1.03E-02	3.24E-06	1.37E-06	1.05E-02	3.30E-06	1.40E-06	1.04E-02	3.30E-06	1.40E-06
1183	489535.89, 3858826.54	9.93E-03	3.13E-06	1.33E-06	1.01E-02	3.20E-06	1.36E-06	1.01E-02	3.20E-06	1.36E-06
1184	489585.89, 3858826.54	9.63E-03	3.04E-06	1.29E-06	9.83E-03	3.10E-06	1.32E-06	9.82E-03	3.10E-06	1.31E-06
1185	489635.89, 3858826.54	9.34E-03	2.95E-06	1.25E-06	9.53E-03	3.01E-06	1.28E-06	9.52E-03	3.00E-06	1.27E-06
1186	489685.89, 3858826.54	9.06E-03	2.86E-06	1.21E-06	9.25E-03	2.92E-06	1.24E-06	9.23E-03	2.91E-06	1.24E-06
1187	489735.89, 3858826.54	8.80E-03	2.78E-06	1.18E-06	8.98E-03	2.83E-06	1.20E-06	8.97E-03	2.83E-06	1.20E-06
1188	489785.89, 3858826.54	8.57E-03	2.71E-06	1.15E-06	8.75E-03	2.76E-06	1.17E-06	8.74E-03	2.76E-06	1.17E-06
1189	489835.89, 3858826.54	8.33E-03	2.63E-06	1.12E-06	8.51E-03	2.68E-06	1.14E-06	8.50E-03	2.68E-06	1.14E-06
1190	489885.89, 3858826.54	8.14E-03	2.57E-06	1.09E-06	8.30E-03	2.62E-06	1.11E-06	8.29E-03	2.62E-06	1.11E-06
1191	489935.89, 3858826.54	7.93E-03	2.50E-06	1.06E-06	8.09E-03	2.55E-06	1.08E-06	8.08E-03	2.55E-06	1.08E-06
1192	489985.89, 3858826.54	7.72E-03	2.44E-06	1.03E-06	7.88E-03	2.49E-06	1.05E-06	7.87E-03	2.48E-06	1.05E-06
1193	490035.89, 3858826.54	7.43E-03	2.35E-06	9.96E-07	7.59E-03	2.39E-06	1.02E-06	7.58E-03	2.39E-06	1.01E-06
1194	489285.89, 3858876.54	1.66E-02	5.23E-06	2.22E-06	1.69E-02	5.33E-06	2.26E-06	1.69E-02	5.33E-06	2.26E-06
1195	489335.89, 3858876.54	1.55E-02	4.91E-06	2.08E-06	1.59E-02	5.01E-06	2.12E-06	1.58E-02	5.00E-06	2.12E-06
1196	489385.89, 3858876.54	1.47E-02	4.63E-06	1.96E-06	1.50E-02	4.72E-06	2.00E-06	1.49E-02	4.72E-06	2.00E-06
1197	489435.89, 3858876.54	1.39E-02	4.38E-06	1.86E-06	1.42E-02	4.47E-06	1.90E-06	1.41E-02	4.46E-06	1.89E-06
1198	489485.89, 3858876.54	1.32E-02	4.16E-06	1.77E-06	1.35E-02	4.25E-06	1.80E-06	1.34E-02	4.24E-06	1.80E-06
1199	489535.89, 3858876.54	1.26E-02	3.96E-06	1.68E-06	1.28E-02	4.05E-06	1.72E-06	1.28E-02	4.04E-06	1.71E-06
1200	489585.89, 3858876.54	1.20E-02	3.78E-06	1.60E-06	1.22E-02	3.86E-06	1.64E-06	1.22E-02	3.85E-06	1.64E-06
1201	489635.89, 3858876.54	1.15E-02	3.62E-06	1.54E-06	1.17E-02	3.70E-06	1.57E-06	1.17E-02	3.69E-06	1.57E-06
1202	489685.89, 3858876.54	1.10E-02	3.48E-06	1.48E-06	1.12E-02	3.55E-06	1.51E-06	1.12E-02	3.54E-06	1.50E-06
1203	489735.89, 3858876.54	1.06E-02	3.34E-06	1.42E-06	1.08E-02	3.41E-06	1.45E-06	1.08E-02	3.41E-06	1.45E-06
1204	489785.89, 3858876.54	1.02E-02	3.23E-06	1.37E-06	1.04E-02	3.29E-06	1.40E-06	1.04E-02	3.29E-06	1.40E-06
1205	489835.89, 3858876.54	9.87E-03	3.11E-06	1.32E-06	1.01E-02	3.18E-06	1.35E-06	1.01E-02	3.17E-06	1.35E-06
1206	489885.89, 3858876.54	9.57E-03	3.02E-06	1.28E-06	9.77E-03	3.08E-06	1.31E-06	9.76E-03	3.08E-06	1.31E-06
1207	489935.89, 3858876.54	9.26E-03	2.92E-06	1.24E-06	9.45E-03	2.98E-06	1.27E-06	9.44E-03	2.98E-06	1.26E-06
1208	489985.89, 3858876.54	8.94E-03	2.82E-06	1.20E-06	9.13E-03	2.88E-06	1.22E-06	9.12E-03	2.88E-06	1.22E-06
1209	490035.89, 3858876.54	8.59E-03	2.71E-06	1.15E-06	8.77E-03	2.77E-06	1.17E-06	8.76E-03	2.76E-06	1.17E-06
1210	489285.89, 3858926.54	2.32E-02	7.33E-06	3.11E-06	2.37E-02	7.48E-06	3.17E-06	2.37E-02	7.47E-06	3.17E-06
1211	489335.89, 3858926.54	2.11E-02	6.67E-06	2.83E-06	2.16E-02	6.81E-06	2.89E-06	2.15E-02	6.80E-06	2.88E-06
1212	489385.89, 3858926.54	1.94E-02	6.12E-06	2.60E-06	1.98E-02	6.25E-06	2.65E-06	1.98E-02	6.24E-06	2.65E-06
1213	489435.89, 3858926.54	1.80E-02	5.68E-06	2.41E-06	1.84E-02	5.79E-06	2.46E-06	1.83E-02	5.78E-06	2.45E-06
1214	489485.89, 3858926.54	1.68E-02	5.29E-06	2.25E-06	1.71E-02	5.40E-06	2.29E-06	1.71E-02	5.40E-06	2.29E-06
1215	489535.89, 3858926.54	1.57E-02	4.97E-06	2.11E-06	1.61E-02	5.07E-06	2.15E-06	1.60E-02	5.06E-06	2.15E-06
1216	489585.89, 3858926.54	1.48E-02	4.68E-06	1.98E-06	1.51E-02	4.77E-06	2.02E-06	1.51E-02	4.77E-06	2.02E-06
1217	489635.89, 3858926.54	1.40E-02	4.42E-06	1.88E-06	1.43E-02	4.52E-06	1.92E-06	1.43E-02	4.51E-06	1.91E-06
1218	489685.89, 3858926.54	1.33E-02	4.20E-06	1.78E-06	1.36E-02	4.28E-06	1.82E-06	1.36E-02	4.28E-06	1.82E-06
1219	489735.89, 3858926.54	1.27E-02	4.00E-06	1.70E-06	1.29E-02	4.09E-06	1.73E-06	1.29E-02	4.08E-06	1.73E-06
1220	489785.89, 3858926.54	1.21E-02	3.83E-06	1.62E-06	1.24E-02	3.91E-06	1.66E-06	1.24E-02	3.90E-06	1.66E-06
1221	489835.89, 3858926.54	1.16E-02	3.67E-06	1.56E-06	1.19E-02	3.74E-06	1.59E-06	1.18E-02	3.74E-06	1.59E-06
1222	489885.89, 3858926.54	1.12E-02	3.53E-06	1.50E-06	1.14E-02	3.60E-06	1.53E-06	1.14E-02	3.60E-06	1.53E-06
1223	489935.89, 3858926.54	1.08E-02	3.40E-06	1.44E-06	1.10E-02	3.46E-06	1.47E-06	1.10E-02	3.46E-06	1.47E-06
1224	489985.89, 3858926.54	1.03E-02	3.27E-06	1.39E-06	1.06E-02	3.33E-06	1.41E-06	1.05E-02	3.33E-06	1.41E-06
1225	490035.89, 3858926.54	9.82E-03	3.10E-06	1.32E-06	1.00E-02	3.16E-06	1.34E-06	1.00E-02	3.16E-06	1.34E-06
1226	489335.89, 3858976.54	2.83E-02	8.93E-06	3.79E-06	2.89E-02	9.11E-06	3.86E-06	2.88E-02	9.10E-06	3.86E-06
1227	489385.89, 3858976.54	2.54E-02	8.01E-06	3.40E-06	2.59E-02	8.17E-06	3.47E-06	2.59E-02	8.16E-06	3.46E-06
1228	489435.89, 3858976.54	2.31E-02	7.28E-06	3.09E-06	2.35E-02	7.43E-06	3.15E-06	2.35E-02	7.42E-06	3.15E-06
1229	489485.89, 3858976.54	2.11E-02	6.67E-06	2.83E-06	2.16E-02	6.81E-06	2.89E-06	2.16E-02	6.80E-06	2.89E-06
1230	489535.89, 3858976.54	1.95E-02	6.16E-06	2.62E-06	1.99E-02	6.29E-06	2.67E-06	1.99E-02	6.28E-06	2.67E-06
1231	489585.89, 3858976.54	1.82E-02	5.74E-06	2.44E-06	1.86E-02	5.86E-06	2.49E-06	1.85E-02	5.85E-06	2.48E-06
1232	489635.89, 3858976.54	1.70E-02	5.37E-06	2.28E-06	1.74E-02	5.48E-06	2.33E-06	1.74E-02	5.48E-06	2.32E-06
1233	489685.89, 3858976.54	1.60E-02	5.05E-06	2.14E-06	1.63E-02	5.15E-06	2.19E-06	1.63E-02	5.14E-06	2.18E-06
1234	489735.89, 3858976.54	1.51E-02	4.77E-06	2.02E-06	1.54E-02	4.87E-06	2.07E-06	1.54E-02	4.86E-06	2.06E-06
1235	489785.89, 3858976.54	1.43E-02	4.53E-06	1.92E-06	1.46E-02	4.62E-06	1.96E-06	1.46E-02	4.62E-06	1.96E-06
1236	489835.89, 3858976.54	1.37E-02	4.31E-06	1.83E-06	1.39E-02	4.40E-06	1.87E-06	1.39E-02	4.39E-06	1.86E-06

1237	489885.89, 3858976.54	1.30E-02	4.10E-06	1.74E-06	1.33E-02	4.19E-06	1.78E-06	1.32E-02	4.18E-06	1.77E-06
1238	489935.89, 3858976.54	1.24E-02	3.92E-06	1.66E-06	1.27E-02	4.00E-06	1.70E-06	1.27E-02	4.00E-06	1.70E-06
1239	489985.89, 3858976.54	1.19E-02	3.76E-06	1.59E-06	1.21E-02	3.83E-06	1.63E-06	1.21E-02	3.83E-06	1.62E-06
1240	490035.89, 3858976.54	1.11E-02	3.50E-06	1.48E-06	1.13E-02	3.57E-06	1.51E-06	1.13E-02	3.57E-06	1.51E-06
1241	489385.89, 3859026.54	3.30E-02	1.04E-05	4.43E-06	3.37E-02	1.06E-05	4.52E-06	3.37E-02	1.06E-05	4.51E-06
1242	489435.89, 3859026.54	2.94E-02	9.29E-06	3.94E-06	3.00E-02	9.48E-06	4.02E-06	3.00E-02	9.46E-06	4.02E-06
1243	489485.89, 3859026.54	2.65E-02	8.37E-06	3.55E-06	2.71E-02	8.55E-06	3.63E-06	2.70E-02	8.53E-06	3.62E-06
1244	489535.89, 3859026.54	2.42E-02	7.63E-06	3.24E-06	2.47E-02	7.79E-06	3.31E-06	2.47E-02	7.78E-06	3.30E-06
1245	489585.89, 3859026.54	2.22E-02	7.01E-06	2.98E-06	2.27E-02	7.16E-06	3.04E-06	2.27E-02	7.15E-06	3.03E-06
1246	489635.89, 3859026.54	2.06E-02	6.50E-06	2.76E-06	2.10E-02	6.63E-06	2.81E-06	2.10E-02	6.63E-06	2.81E-06
1247	489685.89, 3859026.54	1.92E-02	6.06E-06	2.57E-06	1.96E-02	6.18E-06	2.62E-06	1.96E-02	6.18E-06	2.62E-06
1248	489735.89, 3859026.54	1.80E-02	5.68E-06	2.41E-06	1.84E-02	5.80E-06	2.46E-06	1.83E-02	5.79E-06	2.46E-06
1249	489785.89, 3859026.54	1.69E-02	5.35E-06	2.27E-06	1.73E-02	5.46E-06	2.32E-06	1.73E-02	5.45E-06	2.31E-06
1250	489835.89, 3859026.54	1.60E-02	5.04E-06	2.14E-06	1.63E-02	5.14E-06	2.18E-06	1.63E-02	5.14E-06	2.18E-06
1251	489885.89, 3859026.54	1.51E-02	4.77E-06	2.02E-06	1.54E-02	4.87E-06	2.07E-06	1.54E-02	4.86E-06	2.06E-06
1252	489935.89, 3859026.54	1.43E-02	4.53E-06	1.92E-06	1.46E-02	4.62E-06	1.96E-06	1.46E-02	4.61E-06	1.96E-06
1253	489985.89, 3859026.54	1.36E-02	4.30E-06	1.83E-06	1.39E-02	4.39E-06	1.86E-06	1.39E-02	4.39E-06	1.86E-06
1254	490035.89, 3859026.54	1.26E-02	3.97E-06	1.68E-06	1.28E-02	4.05E-06	1.72E-06	1.28E-02	4.04E-06	1.71E-06
1255	489485.89, 3859076.54	3.36E-02	1.06E-05	4.49E-06	3.43E-02	1.08E-05	4.59E-06	3.42E-02	1.08E-05	4.58E-06
1256	489535.89, 3859076.54	3.01E-02	9.50E-06	4.03E-06	3.07E-02	9.70E-06	4.11E-06	3.07E-02	9.69E-06	4.11E-06
1257	489585.89, 3859076.54	2.73E-02	8.62E-06	3.66E-06	2.79E-02	8.79E-06	3.73E-06	2.78E-02	8.78E-06	3.73E-06
1258	489635.89, 3859076.54	2.50E-02	7.90E-06	3.35E-06	2.55E-02	8.06E-06	3.42E-06	2.55E-02	8.05E-06	3.42E-06
1259	489685.89, 3859076.54	2.31E-02	7.29E-06	3.09E-06	2.36E-02	7.44E-06	3.16E-06	2.35E-02	7.43E-06	3.15E-06
1260	489735.89, 3859076.54	2.15E-02	6.77E-06	2.87E-06	2.19E-02	6.91E-06	2.93E-06	2.19E-02	6.90E-06	2.93E-06
1261	489785.89, 3859076.54	2.00E-02	6.32E-06	2.68E-06	2.04E-02	6.45E-06	2.74E-06	2.04E-02	6.44E-06	2.73E-06
1262	489835.89, 3859076.54	1.88E-02	5.92E-06	2.51E-06	1.91E-02	6.04E-06	2.56E-06	1.91E-02	6.03E-06	2.56E-06
1263	489885.89, 3859076.54	1.76E-02	5.56E-06	2.36E-06	1.80E-02	5.68E-06	2.41E-06	1.80E-02	5.67E-06	2.41E-06
1264	489935.89, 3859076.54	1.66E-02	5.25E-06	2.23E-06	1.70E-02	5.36E-06	2.27E-06	1.70E-02	5.35E-06	2.27E-06
1265	489985.89, 3859076.54	1.57E-02	4.95E-06	2.10E-06	1.60E-02	5.05E-06	2.14E-06	1.60E-02	5.05E-06	2.14E-06
1266	490035.89, 3859076.54	1.44E-02	4.56E-06	1.93E-06	1.47E-02	4.65E-06	1.97E-06	1.47E-02	4.65E-06	1.97E-06
1267	489585.89, 3859126.54	3.41E-02	1.08E-05	4.57E-06	3.48E-02	1.10E-05	4.66E-06	3.48E-02	1.10E-05	4.66E-06
1268	489635.89, 3859126.54	3.08E-02	9.72E-06	4.12E-06	3.14E-02	9.91E-06	4.21E-06	3.14E-02	9.90E-06	4.20E-06
1269	489685.89, 3859126.54	2.80E-02	8.85E-06	3.75E-06	2.86E-02	9.03E-06	3.83E-06	2.86E-02	9.02E-06	3.83E-06
1270	489735.89, 3859126.54	2.57E-02	8.12E-06	3.45E-06	2.63E-02	8.29E-06	3.52E-06	2.62E-02	8.28E-06	3.51E-06
1271	489785.89, 3859126.54	2.38E-02	7.51E-06	3.19E-06	2.43E-02	7.66E-06	3.25E-06	2.43E-02	7.65E-06	3.25E-06
1272	489835.89, 3859126.54	2.21E-02	6.97E-06	2.96E-06	2.25E-02	7.12E-06	3.02E-06	2.25E-02	7.11E-06	3.02E-06
1273	489885.89, 3859126.54	2.06E-02	6.50E-06	2.76E-06	2.10E-02	6.63E-06	2.81E-06	2.10E-02	6.62E-06	2.81E-06
1274	489935.89, 3859126.54	1.93E-02	6.09E-06	2.58E-06	1.97E-02	6.22E-06	2.64E-06	1.97E-02	6.21E-06	2.63E-06
1275	489985.89, 3859126.54	1.80E-02	5.68E-06	2.41E-06	1.84E-02	5.79E-06	2.46E-06	1.83E-02	5.79E-06	2.46E-06
1276	490035.89, 3859126.54	1.67E-02	5.26E-06	2.23E-06	1.70E-02	5.36E-06	2.28E-06	1.70E-02	5.36E-06	2.27E-06
1277	489585.89, 3859176.54	4.39E-02	1.39E-05	5.89E-06	4.48E-02	1.42E-05	6.01E-06	4.48E-02	1.41E-05	6.00E-06
1278	489635.89, 3859176.54	3.87E-02	1.22E-05	5.18E-06	3.95E-02	1.25E-05	5.29E-06	3.95E-02	1.25E-05	5.28E-06
1279	489685.89, 3859176.54	3.46E-02	1.09E-05	4.63E-06	3.53E-02	1.11E-05	4.73E-06	3.53E-02	1.11E-05	4.72E-06
1280	489735.89, 3859176.54	3.13E-02	9.88E-06	4.19E-06	3.19E-02	1.01E-05	4.28E-06	3.19E-02	1.01E-05	4.27E-06
1281	489785.89, 3859176.54	2.85E-02	9.01E-06	3.82E-06	2.91E-02	9.19E-06	3.90E-06	2.91E-02	9.18E-06	3.90E-06
1282	489835.89, 3859176.54	2.62E-02	8.28E-06	3.51E-06	2.68E-02	8.45E-06	3.58E-06	2.67E-02	8.44E-06	3.58E-06
1283	489885.89, 3859176.54	2.42E-02	7.65E-06	3.24E-06	2.47E-02	7.80E-06	3.31E-06	2.47E-02	7.79E-06	3.31E-06
1284	489935.89, 3859176.54	2.25E-02	7.11E-06	3.02E-06	2.30E-02	7.25E-06	3.08E-06	2.29E-02	7.24E-06	3.07E-06
1285	489985.89, 3859176.54	2.08E-02	6.58E-06	2.79E-06	2.13E-02	6.71E-06	2.85E-06	2.12E-02	6.70E-06	2.84E-06
1286	490035.89, 3859176.54	1.95E-02	6.17E-06	2.62E-06	1.99E-02	6.29E-06	2.67E-06	1.99E-02	6.29E-06	2.67E-06
1287	489685.89, 3859226.54	4.40E-02	1.39E-05	5.90E-06	4.49E-02	1.42E-05	6.02E-06	4.49E-02	1.42E-05	6.01E-06
1288	489735.89, 3859226.54	3.89E-02	1.23E-05	5.21E-06	3.97E-02	1.25E-05	5.32E-06	3.97E-02	1.25E-05	5.31E-06
1289	489785.89, 3859226.54	3.49E-02	1.10E-05	4.67E-06	3.56E-02	1.12E-05	4.77E-06	3.55E-02	1.12E-05	4.76E-06
1290	489835.89, 3859226.54	3.15E-02	9.95E-06	4.22E-06	3.22E-02	1.02E-05	4.31E-06	3.21E-02	1.01E-05	4.30E-06
1291	489885.89, 3859226.54	2.88E-02	9.09E-06	3.86E-06	2.94E-02	9.27E-06	3.93E-06	2.93E-02	9.26E-06	3.93E-06
1292	489935.89, 3859226.54	2.65E-02	8.35E-06	3.54E-06	2.70E-02	8.52E-06	3.62E-06	2.70E-02	8.51E-06	3.61E-06
1293	489985.89, 3859226.54	2.42E-02	7.63E-06	3.24E-06	2.47E-02	7.78E-06	3.30E-06	2.46E-02	7.77E-06	3.30E-06
1294	490035.89, 3859226.54	2.25E-02	7.11E-06	3.02E-06	2.30E-02	7.26E-06	3.08E-06	2.30E-02	7.25E-06	3.08E-06
1295	489735.89, 3859276.54	5.04E-02	1.59E-05	6.75E-06	5.15E-02	1.62E-05	6.89E-06	5.14E-02	1.62E-05	6.88E-06
1296	489785.89, 3859276.54	4.39E-02	1.39E-05	5.88E-06	4.48E-02	1.41E-05	6.00E-06	4.48E-02	1.41E-05	6.00E-06
1297	489835.89, 3859276.54	3.89E-02	1.23E-05	5.20E-06	3.96E-02	1.25E-05	5.31E-06	3.96E-02	1.25E-05	5.30E-06
1298	489885.89, 3859276.54	3.49E-02	1.10E-05	4.67E-06	3.56E-02	1.12E-05	4.77E-06	3.55E-02	1.12E-05	4.76E-06

1299	489935.89, 3859276.54	3.16E-02	9.96E-06	4.23E-06	3.22E-02	1.02E-05	4.31E-06	3.22E-02	1.02E-05	4.31E-06
1300	489985.89, 3859276.54	2.83E-02	8.94E-06	3.79E-06	2.89E-02	9.13E-06	3.87E-06	2.89E-02	9.12E-06	3.87E-06
1301	490035.89, 3859276.54	2.64E-02	8.33E-06	3.54E-06	2.69E-02	8.50E-06	3.61E-06	2.69E-02	8.49E-06	3.60E-06
1302	490458.06, 3859590.74	4.46E-02	1.41E-05	5.98E-06	4.55E-02	1.44E-05	6.10E-06	4.55E-02	1.44E-05	6.09E-06
1303	490508.06, 3859590.74	3.99E-02	1.26E-05	5.34E-06	4.07E-02	1.28E-05	5.45E-06	4.07E-02	1.28E-05	5.44E-06
1304	490558.06, 3859590.74	3.54E-02	1.12E-05	4.74E-06	3.61E-02	1.14E-05	4.84E-06	3.61E-02	1.14E-05	4.83E-06
1305	490608.06, 3859590.74	3.19E-02	1.01E-05	4.27E-06	3.25E-02	1.03E-05	4.35E-06	3.25E-02	1.02E-05	4.35E-06
1306	490658.06, 3859590.74	2.88E-02	9.10E-06	3.86E-06	2.94E-02	9.28E-06	3.94E-06	2.94E-02	9.27E-06	3.93E-06
1307	490708.06, 3859590.74	2.62E-02	8.27E-06	3.51E-06	2.68E-02	8.44E-06	3.58E-06	2.67E-02	8.43E-06	3.58E-06
1308	490758.06, 3859590.74	2.38E-02	7.51E-06	3.19E-06	2.43E-02	7.66E-06	3.25E-06	2.42E-02	7.65E-06	3.25E-06
1309	490808.06, 3859590.74	2.19E-02	6.92E-06	2.94E-06	2.24E-02	7.06E-06	2.99E-06	2.23E-02	7.05E-06	2.99E-06
1310	490858.06, 3859590.74	2.02E-02	6.37E-06	2.70E-06	2.06E-02	6.50E-06	2.76E-06	2.06E-02	6.49E-06	2.75E-06
1311	490458.06, 3859640.74	6.23E-02	1.97E-05	8.35E-06	6.36E-02	2.01E-05	8.52E-06	6.35E-02	2.01E-05	8.51E-06
1312	490508.06, 3859640.74	5.41E-02	1.71E-05	7.24E-06	5.52E-02	1.74E-05	7.39E-06	5.51E-02	1.74E-05	7.38E-06
1313	490558.06, 3859640.74	4.74E-02	1.50E-05	6.35E-06	4.84E-02	1.53E-05	6.48E-06	4.83E-02	1.53E-05	6.47E-06
1314	490608.06, 3859640.74	4.14E-02	1.31E-05	5.55E-06	4.23E-02	1.33E-05	5.66E-06	4.22E-02	1.33E-05	5.65E-06
1315	490658.06, 3859640.74	3.61E-02	1.14E-05	4.83E-06	3.68E-02	1.16E-05	4.93E-06	3.68E-02	1.16E-05	4.93E-06
1316	490708.06, 3859640.74	3.23E-02	1.02E-05	4.32E-06	3.29E-02	1.04E-05	4.41E-06	3.29E-02	1.04E-05	4.40E-06
1317	490758.06, 3859640.74	2.89E-02	9.13E-06	3.87E-06	2.95E-02	9.31E-06	3.95E-06	2.95E-02	9.30E-06	3.95E-06
1318	490808.06, 3859640.74	2.65E-02	8.37E-06	3.55E-06	2.70E-02	8.54E-06	3.62E-06	2.70E-02	8.53E-06	3.62E-06
1319	490858.06, 3859640.74	2.44E-02	7.71E-06	3.27E-06	2.49E-02	7.87E-06	3.34E-06	2.49E-02	7.86E-06	3.33E-06
1320	490608.06, 3859690.74	5.76E-02	1.82E-05	7.71E-06	5.88E-02	1.86E-05	7.87E-06	5.87E-02	1.85E-05	7.86E-06
1321	490658.06, 3859690.74	4.83E-02	1.53E-05	6.47E-06	4.93E-02	1.56E-05	6.60E-06	4.93E-02	1.55E-05	6.60E-06
1322	490708.06, 3859690.74	4.17E-02	1.32E-05	5.58E-06	4.26E-02	1.34E-05	5.70E-06	4.25E-02	1.34E-05	5.69E-06
1323	490758.06, 3859690.74	3.64E-02	1.15E-05	4.88E-06	3.72E-02	1.17E-05	4.98E-06	3.71E-02	1.17E-05	4.97E-06
1324	490808.06, 3859690.74	3.26E-02	1.03E-05	4.37E-06	3.33E-02	1.05E-05	4.46E-06	3.33E-02	1.05E-05	4.45E-06
1325	490858.06, 3859690.74	3.03E-02	9.55E-06	4.05E-06	3.09E-02	9.75E-06	4.14E-06	3.08E-02	9.74E-06	4.13E-06
1326	490708.06, 3859740.74	6.04E-02	1.91E-05	8.09E-06	6.16E-02	1.94E-05	8.25E-06	6.15E-02	1.94E-05	8.24E-06
1327	490758.06, 3859740.74	5.15E-02	1.63E-05	6.90E-06	5.26E-02	1.66E-05	7.04E-06	5.25E-02	1.66E-05	7.03E-06
1328	490808.06, 3859740.74	4.45E-02	1.40E-05	5.96E-06	4.54E-02	1.43E-05	6.08E-06	4.54E-02	1.43E-05	6.07E-06
1329	490858.06, 3859740.74	3.96E-02	1.25E-05	5.30E-06	4.04E-02	1.28E-05	5.41E-06	4.04E-02	1.27E-05	5.41E-06
1330	490786.56, 3859749.39	5.07E-02	1.60E-05	6.79E-06	5.18E-02	1.63E-05	6.93E-06	5.17E-02	1.63E-05	6.93E-06
1331	490836.56, 3859749.39	4.38E-02	1.38E-05	5.87E-06	4.47E-02	1.41E-05	5.99E-06	4.47E-02	1.41E-05	5.98E-06
1332	490786.56, 3859799.39	7.95E-02	2.51E-05	1.07E-05	8.12E-02	2.56E-05	1.09E-05	8.11E-02	2.56E-05	1.09E-05
1333	490836.56, 3859799.39	6.54E-02	2.06E-05	8.76E-06	6.67E-02	2.11E-05	8.93E-06	6.66E-02	2.10E-05	8.92E-06
1334	492307.84, 3854508.36	9.82E-04	3.10E-07	1.32E-07	1.00E-03	3.16E-07	1.34E-07	1.00E-03	3.16E-07	1.34E-07
1335	486445.7, 3854753.6	1.22E-03	3.86E-07	1.64E-07	1.25E-03	3.94E-07	1.67E-07	1.25E-03	3.94E-07	1.67E-07
1336	472599.75, 3877830.11	7.87E-05	2.48E-08	1.05E-08	8.03E-05	2.53E-08	1.08E-08	8.02E-05	2.53E-08	1.07E-08
1337	493107.48, 3866840.19	2.02E-04	6.38E-08	2.71E-08	2.06E-04	6.51E-08	2.76E-08	2.06E-04	6.50E-08	2.76E-08
1338	495815.8, 3861662.87	1.24E-03	3.93E-07	1.67E-07	1.27E-03	4.01E-07	1.70E-07	1.27E-03	4.00E-07	1.70E-07
1339	480272.33, 3841389.2	4.48E-05	1.41E-08	6.00E-09	4.57E-05	1.44E-08	6.12E-09	4.56E-05	1.44E-08	6.11E-09
1340	497005.18, 3862813.64	6.96E-04	2.20E-07	9.32E-08	7.10E-04	2.24E-07	9.51E-08	7.09E-04	2.24E-07	9.50E-08
1341	493677.33, 3860302.55	5.30E-03	1.67E-06	7.09E-07	5.40E-03	1.71E-06	7.24E-07	5.40E-03	1.70E-06	7.23E-07
1342	493727.33, 3860302.55	5.16E-03	1.63E-06	6.91E-07	5.26E-03	1.66E-06	7.05E-07	5.26E-03	1.66E-06	7.04E-07
1343	493777.33, 3860302.55	5.02E-03	1.59E-06	6.73E-07	5.13E-03	1.62E-06	6.86E-07	5.12E-03	1.62E-06	6.86E-07
1344	493827.33, 3860302.55	4.89E-03	1.54E-06	6.55E-07	4.99E-03	1.58E-06	6.69E-07	4.99E-03	1.57E-06	6.68E-07
1345	493877.33, 3860302.55	4.78E-03	1.51E-06	6.40E-07	4.88E-03	1.54E-06	6.53E-07	4.87E-03	1.54E-06	6.52E-07
1346	493927.33, 3860302.55	4.67E-03	1.47E-06	6.26E-07	4.77E-03	1.50E-06	6.38E-07	4.76E-03	1.50E-06	6.38E-07
1347	493977.33, 3860302.55	4.53E-03	1.43E-06	6.07E-07	4.63E-03	1.46E-06	6.19E-07	4.62E-03	1.46E-06	6.19E-07
1348	494027.33, 3860302.55	4.41E-03	1.39E-06	5.91E-07	4.51E-03	1.42E-06	6.03E-07	4.50E-03	1.42E-06	6.03E-07
1349	493677.33, 3860352.55	5.22E-03	1.65E-06	6.99E-07	5.33E-03	1.68E-06	7.13E-07	5.32E-03	1.68E-06	7.12E-07
1350	493727.33, 3860352.55	5.09E-03	1.61E-06	6.82E-07	5.19E-03	1.64E-06	6.95E-07	5.19E-03	1.64E-06	6.95E-07
1351	493777.33, 3860352.55	4.96E-03	1.57E-06	6.65E-07	5.07E-03	1.60E-06	6.78E-07	5.06E-03	1.60E-06	6.77E-07
1352	493827.33, 3860352.55	4.84E-03	1.53E-06	6.49E-07	4.94E-03	1.56E-06	6.62E-07	4.94E-03	1.56E-06	6.61E-07
1353	493877.33, 3860352.55	4.72E-03	1.49E-06	6.32E-07	4.82E-03	1.52E-06	6.45E-07	4.81E-03	1.52E-06	6.44E-07
1354	493927.33, 3860352.55	4.60E-03	1.45E-06	6.16E-07	4.70E-03	1.48E-06	6.29E-07	4.69E-03	1.48E-06	6.28E-07
1355	493977.33, 3860352.55	4.48E-03	1.41E-06	6.00E-07	4.57E-03	1.44E-06	6.12E-07	4.57E-03	1.44E-06	6.11E-07
1356	494027.33, 3860352.55	4.38E-03	1.38E-06	5.86E-07	4.47E-03	1.41E-06	5.98E-07	4.46E-03	1.41E-06	5.98E-07
1357	493677.33, 3860402.55	5.13E-03	1.62E-06	6.87E-07	5.24E-03	1.65E-06	7.01E-07	5.23E-03	1.65E-06	7.00E-07
1358	493727.33, 3860402.55	5.00E-03	1.58E-06	6.70E-07	5.10E-03	1.61E-06	6.84E-07	5.10E-03	1.61E-06	6.83E-07
1359	493777.33, 3860402.55	4.86E-03	1.53E-06	6.51E-07	4.96E-03	1.57E-06	6.65E-07	4.96E-03	1.56E-06	6.64E-07
1360	493827.33, 3860402.55	4.75E-03	1.50E-06	6.36E-07	4.85E-03	1.53E-06	6.49E-07	4.84E-03	1.53E-06	6.49E-07

1361	493877.33, 3860402.55	4.64E-03	1.46E-06	6.21E-07	4.73E-03	1.49E-06	6.34E-07	4.73E-03	1.49E-06	6.33E-07
1362	493927.33, 3860402.55	4.52E-03	1.43E-06	6.05E-07	4.61E-03	1.46E-06	6.18E-07	4.61E-03	1.45E-06	6.17E-07
1363	493977.33, 3860402.55	4.40E-03	1.39E-06	5.90E-07	4.49E-03	1.42E-06	6.02E-07	4.49E-03	1.42E-06	6.01E-07
1364	494027.33, 3860402.55	4.31E-03	1.36E-06	5.77E-07	4.40E-03	1.39E-06	5.89E-07	4.39E-03	1.39E-06	5.88E-07
1365	493677.33, 3860452.55	5.01E-03	1.58E-06	6.71E-07	5.11E-03	1.61E-06	6.84E-07	5.10E-03	1.61E-06	6.84E-07
1366	493727.33, 3860452.55	4.89E-03	1.54E-06	6.55E-07	4.99E-03	1.58E-06	6.69E-07	4.99E-03	1.57E-06	6.68E-07
1367	493777.33, 3860452.55	4.77E-03	1.51E-06	6.39E-07	4.87E-03	1.54E-06	6.52E-07	4.86E-03	1.54E-06	6.51E-07
1368	493827.33, 3860452.55	4.65E-03	1.47E-06	6.23E-07	4.75E-03	1.50E-06	6.36E-07	4.74E-03	1.50E-06	6.35E-07
1369	493877.33, 3860452.55	4.54E-03	1.43E-06	6.08E-07	4.63E-03	1.46E-06	6.20E-07	4.62E-03	1.46E-06	6.19E-07
1370	493927.33, 3860452.55	4.42E-03	1.39E-06	5.91E-07	4.51E-03	1.42E-06	6.04E-07	4.50E-03	1.42E-06	6.03E-07
1371	493977.33, 3860452.55	4.32E-03	1.36E-06	5.78E-07	4.41E-03	1.39E-06	5.90E-07	4.40E-03	1.39E-06	5.89E-07
1372	494027.33, 3860452.55	4.22E-03	1.33E-06	5.65E-07	4.31E-03	1.36E-06	5.77E-07	4.30E-03	1.36E-06	5.76E-07
1373	493677.33, 3860502.55	4.87E-03	1.54E-06	6.52E-07	4.97E-03	1.57E-06	6.65E-07	4.96E-03	1.57E-06	6.65E-07
1374	493727.33, 3860502.55	4.75E-03	1.50E-06	6.37E-07	4.85E-03	1.53E-06	6.50E-07	4.84E-03	1.53E-06	6.49E-07
1375	493777.33, 3860502.55	4.64E-03	1.46E-06	6.21E-07	4.73E-03	1.49E-06	6.34E-07	4.73E-03	1.49E-06	6.33E-07
1376	493827.33, 3860502.55	4.53E-03	1.43E-06	6.07E-07	4.62E-03	1.46E-06	6.19E-07	4.62E-03	1.46E-06	6.18E-07
1377	493877.33, 3860502.55	4.42E-03	1.40E-06	5.92E-07	4.51E-03	1.42E-06	6.04E-07	4.51E-03	1.42E-06	6.04E-07
1378	493927.33, 3860502.55	4.32E-03	1.36E-06	5.78E-07	4.40E-03	1.39E-06	5.90E-07	4.40E-03	1.39E-06	5.89E-07
1379	493977.33, 3860502.55	4.22E-03	1.33E-06	5.65E-07	4.31E-03	1.36E-06	5.77E-07	4.30E-03	1.36E-06	5.76E-07
1380	494027.33, 3860502.55	4.13E-03	1.30E-06	5.53E-07	4.21E-03	1.33E-06	5.64E-07	4.21E-03	1.33E-06	5.64E-07
1381	493627.33, 3860552.55	4.83E-03	1.52E-06	6.47E-07	4.93E-03	1.55E-06	6.60E-07	4.92E-03	1.55E-06	6.59E-07
1382	493677.33, 3860552.55	4.71E-03	1.49E-06	6.31E-07	4.81E-03	1.52E-06	6.44E-07	4.80E-03	1.52E-06	6.43E-07
1383	493727.33, 3860552.55	4.60E-03	1.45E-06	6.16E-07	4.69E-03	1.48E-06	6.28E-07	4.69E-03	1.48E-06	6.28E-07
1384	493777.33, 3860552.55	4.49E-03	1.42E-06	6.02E-07	4.58E-03	1.45E-06	6.14E-07	4.58E-03	1.45E-06	6.13E-07
1385	493827.33, 3860552.55	4.39E-03	1.39E-06	5.88E-07	4.48E-03	1.41E-06	6.00E-07	4.48E-03	1.41E-06	5.99E-07
1386	493877.33, 3860552.55	4.29E-03	1.36E-06	5.75E-07	4.38E-03	1.38E-06	5.87E-07	4.38E-03	1.38E-06	5.86E-07
1387	493927.33, 3860552.55	4.20E-03	1.33E-06	5.62E-07	4.28E-03	1.35E-06	5.74E-07	4.28E-03	1.35E-06	5.73E-07
1388	493977.33, 3860552.55	4.11E-03	1.30E-06	5.50E-07	4.19E-03	1.32E-06	5.61E-07	4.19E-03	1.32E-06	5.61E-07
1389	494027.33, 3860552.55	4.02E-03	1.27E-06	5.38E-07	4.10E-03	1.30E-06	5.49E-07	4.10E-03	1.29E-06	5.49E-07
1390	493627.33, 3860602.55	4.64E-03	1.47E-06	6.22E-07	4.74E-03	1.50E-06	6.35E-07	4.73E-03	1.49E-06	6.34E-07
1391	493727.33, 3860602.55	4.42E-03	1.39E-06	5.92E-07	4.51E-03	1.42E-06	6.04E-07	4.50E-03	1.42E-06	6.03E-07
1392	493777.33, 3860602.55	4.33E-03	1.37E-06	5.80E-07	4.42E-03	1.39E-06	5.91E-07	4.41E-03	1.39E-06	5.91E-07
1393	493827.33, 3860602.55	4.24E-03	1.34E-06	5.67E-07	4.32E-03	1.36E-06	5.79E-07	4.32E-03	1.36E-06	5.78E-07
1394	493877.33, 3860602.55	4.15E-03	1.31E-06	5.56E-07	4.24E-03	1.34E-06	5.67E-07	4.23E-03	1.34E-06	5.67E-07
1395	493927.33, 3860602.55	4.06E-03	1.28E-06	5.44E-07	4.15E-03	1.31E-06	5.55E-07	4.14E-03	1.31E-06	5.55E-07
1396	493977.33, 3860602.55	3.98E-03	1.26E-06	5.33E-07	4.06E-03	1.28E-06	5.44E-07	4.06E-03	1.28E-06	5.43E-07
1397	494027.33, 3860602.55	3.90E-03	1.23E-06	5.22E-07	3.98E-03	1.26E-06	5.33E-07	3.98E-03	1.25E-06	5.32E-07
1398	493627.33, 3860652.55	4.45E-03	1.40E-06	5.96E-07	4.54E-03	1.43E-06	6.08E-07	4.53E-03	1.43E-06	6.07E-07
1399	493727.33, 3860652.55	4.24E-03	1.34E-06	5.68E-07	4.32E-03	1.37E-06	5.79E-07	4.32E-03	1.36E-06	5.78E-07
1400	493777.33, 3860652.55	4.15E-03	1.31E-06	5.56E-07	4.24E-03	1.34E-06	5.67E-07	4.23E-03	1.34E-06	5.67E-07
1401	493827.33, 3860652.55	4.07E-03	1.29E-06	5.45E-07	4.16E-03	1.31E-06	5.57E-07	4.15E-03	1.31E-06	5.56E-07
1402	493877.33, 3860652.55	3.99E-03	1.26E-06	5.35E-07	4.08E-03	1.29E-06	5.46E-07	4.07E-03	1.29E-06	5.45E-07
1403	493927.33, 3860652.55	3.92E-03	1.24E-06	5.25E-07	4.00E-03	1.26E-06	5.35E-07	3.99E-03	1.26E-06	5.35E-07
1404	493977.33, 3860652.55	3.84E-03	1.21E-06	5.14E-07	3.92E-03	1.24E-06	5.25E-07	3.91E-03	1.24E-06	5.24E-07
1405	494027.33, 3860652.55	3.77E-03	1.19E-06	5.05E-07	3.85E-03	1.21E-06	5.15E-07	3.84E-03	1.21E-06	5.15E-07
1406	494311.06, 3858401.99	9.74E-04	3.07E-07	1.30E-07	9.94E-04	3.14E-07	1.33E-07	9.93E-04	3.13E-07	1.33E-07
1407	494361.06, 3858401.99	9.63E-04	3.04E-07	1.29E-07	9.82E-04	3.10E-07	1.32E-07	9.81E-04	3.10E-07	1.31E-07
1408	494411.06, 3858401.99	9.56E-04	3.02E-07	1.28E-07	9.75E-04	3.08E-07	1.31E-07	9.74E-04	3.07E-07	1.30E-07
1409	494461.06, 3858401.99	9.54E-04	3.01E-07	1.28E-07	9.73E-04	3.07E-07	1.30E-07	9.72E-04	3.07E-07	1.30E-07
1410	494511.06, 3858401.99	9.46E-04	2.99E-07	1.27E-07	9.65E-04	3.05E-07	1.29E-07	9.64E-04	3.04E-07	1.29E-07
1411	494561.06, 3858401.99	9.43E-04	2.98E-07	1.26E-07	9.62E-04	3.04E-07	1.29E-07	9.61E-04	3.03E-07	1.29E-07
1412	494611.06, 3858401.99	9.35E-04	2.95E-07	1.25E-07	9.54E-04	3.01E-07	1.28E-07	9.53E-04	3.01E-07	1.28E-07
1413	494661.06, 3858401.99	9.28E-04	2.93E-07	1.24E-07	9.47E-04	2.99E-07	1.27E-07	9.46E-04	2.98E-07	1.27E-07
1414	494711.06, 3858401.99	9.16E-04	2.89E-07	1.23E-07	9.35E-04	2.95E-07	1.25E-07	9.34E-04	2.95E-07	1.25E-07
1415	494761.06, 3858401.99	9.11E-04	2.88E-07	1.22E-07	9.30E-04	2.94E-07	1.25E-07	9.29E-04	2.93E-07	1.24E-07
1416	494811.06, 3858401.99	9.03E-04	2.85E-07	1.21E-07	9.21E-04	2.91E-07	1.23E-07	9.20E-04	2.90E-07	1.23E-07
1417	494861.06, 3858401.99	8.95E-04	2.82E-07	1.20E-07	9.13E-04	2.88E-07	1.22E-07	9.12E-04	2.88E-07	1.22E-07
1418	494911.06, 3858401.99	8.87E-04	2.80E-07	1.19E-07	9.05E-04	2.86E-07	1.21E-07	9.04E-04	2.85E-07	1.21E-07
1419	494961.06, 3858401.99	8.79E-04	2.77E-07	1.18E-07	8.97E-04	2.83E-07	1.20E-07	8.96E-04	2.83E-07	1.20E-07
1420	495011.06, 3858401.99	8.67E-04	2.74E-07	1.16E-07	8.85E-04	2.79E-07	1.19E-07	8.84E-04	2.79E-07	1.18E-07
1421	495061.06, 3858401.99	8.59E-04	2.71E-07	1.15E-07	8.76E-04	2.77E-07	1.17E-07	8.75E-04	2.76E-07	1.17E-07
1422	495111.06, 3858401.99	8.42E-04	2.66E-07	1.13E-07	8.59E-04	2.71E-07	1.15E-07	8.58E-04	2.71E-07	1.15E-07

1423	495161.06, 3858401.99	8.39E-04	2.65E-07	1.12E-07	8.56E-04	2.70E-07	1.15E-07	8.55E-04	2.70E-07	1.15E-07
1424	495211.06, 3858401.99	8.24E-04	2.60E-07	1.10E-07	8.41E-04	2.65E-07	1.13E-07	8.40E-04	2.65E-07	1.12E-07
1425	495261.06, 3858401.99	8.16E-04	2.58E-07	1.09E-07	8.33E-04	2.63E-07	1.11E-07	8.32E-04	2.62E-07	1.11E-07
1426	495311.06, 3858401.99	8.07E-04	2.55E-07	1.08E-07	8.24E-04	2.60E-07	1.10E-07	8.23E-04	2.60E-07	1.10E-07
1427	495361.06, 3858401.99	8.01E-04	2.53E-07	1.07E-07	8.18E-04	2.58E-07	1.10E-07	8.17E-04	2.58E-07	1.09E-07
1428	495411.06, 3858401.99	7.98E-04	2.52E-07	1.07E-07	8.15E-04	2.57E-07	1.09E-07	8.14E-04	2.57E-07	1.09E-07
1429	495461.06, 3858401.99	7.96E-04	2.51E-07	1.07E-07	8.12E-04	2.56E-07	1.09E-07	8.11E-04	2.56E-07	1.09E-07
1430	495511.06, 3858401.99	7.93E-04	2.50E-07	1.06E-07	8.09E-04	2.55E-07	1.08E-07	8.08E-04	2.55E-07	1.08E-07
1431	495561.06, 3858401.99	7.83E-04	2.47E-07	1.05E-07	7.99E-04	2.52E-07	1.07E-07	7.98E-04	2.52E-07	1.07E-07
1432	495611.06, 3858401.99	7.79E-04	2.46E-07	1.04E-07	7.95E-04	2.51E-07	1.06E-07	7.94E-04	2.51E-07	1.06E-07
1433	495661.06, 3858401.99	7.85E-04	2.48E-07	1.05E-07	8.01E-04	2.53E-07	1.07E-07	8.00E-04	2.53E-07	1.07E-07
1434	494311.06, 3858451.99	1.03E-03	3.24E-07	1.38E-07	1.05E-03	3.31E-07	1.40E-07	1.05E-03	3.30E-07	1.40E-07
1435	494361.06, 3858451.99	1.02E-03	3.21E-07	1.36E-07	1.04E-03	3.28E-07	1.39E-07	1.04E-03	3.27E-07	1.39E-07
1436	494411.06, 3858451.99	1.01E-03	3.19E-07	1.35E-07	1.03E-03	3.25E-07	1.38E-07	1.03E-03	3.25E-07	1.38E-07
1437	494461.06, 3858451.99	1.00E-03	3.17E-07	1.34E-07	1.02E-03	3.23E-07	1.37E-07	1.02E-03	3.23E-07	1.37E-07
1438	494511.06, 3858451.99	1.00E-03	3.16E-07	1.34E-07	1.02E-03	3.22E-07	1.37E-07	1.02E-03	3.22E-07	1.37E-07
1439	494561.06, 3858451.99	9.92E-04	3.13E-07	1.33E-07	1.01E-03	3.19E-07	1.35E-07	1.01E-03	3.19E-07	1.35E-07
1440	494611.06, 3858451.99	9.85E-04	3.11E-07	1.32E-07	1.00E-03	3.17E-07	1.35E-07	1.00E-03	3.17E-07	1.34E-07
1441	494661.06, 3858451.99	9.78E-04	3.09E-07	1.31E-07	9.98E-04	3.15E-07	1.34E-07	9.96E-04	3.15E-07	1.33E-07
1442	494711.06, 3858451.99	9.67E-04	3.05E-07	1.30E-07	9.87E-04	3.12E-07	1.32E-07	9.86E-04	3.11E-07	1.32E-07
1443	494761.06, 3858451.99	9.57E-04	3.02E-07	1.28E-07	9.76E-04	3.08E-07	1.31E-07	9.75E-04	3.08E-07	1.31E-07
1444	494811.06, 3858451.99	9.49E-04	2.99E-07	1.27E-07	9.68E-04	3.05E-07	1.30E-07	9.67E-04	3.05E-07	1.29E-07
1445	494861.06, 3858451.99	9.39E-04	2.96E-07	1.26E-07	9.58E-04	3.02E-07	1.28E-07	9.57E-04	3.02E-07	1.28E-07
1446	494911.06, 3858451.99	9.25E-04	2.92E-07	1.24E-07	9.44E-04	2.98E-07	1.26E-07	9.43E-04	2.98E-07	1.26E-07
1447	494961.06, 3858451.99	9.16E-04	2.89E-07	1.23E-07	9.35E-04	2.95E-07	1.25E-07	9.34E-04	2.95E-07	1.25E-07
1448	495011.06, 3858451.99	9.03E-04	2.85E-07	1.21E-07	9.22E-04	2.91E-07	1.23E-07	9.21E-04	2.91E-07	1.23E-07
1449	495061.06, 3858451.99	8.98E-04	2.83E-07	1.20E-07	9.16E-04	2.89E-07	1.23E-07	9.15E-04	2.89E-07	1.23E-07
1450	495111.06, 3858451.99	8.85E-04	2.79E-07	1.19E-07	9.04E-04	2.85E-07	1.21E-07	9.02E-04	2.85E-07	1.21E-07
1451	495161.06, 3858451.99	8.71E-04	2.75E-07	1.17E-07	8.89E-04	2.81E-07	1.19E-07	8.88E-04	2.80E-07	1.19E-07
1452	495211.06, 3858451.99	8.59E-04	2.71E-07	1.15E-07	8.76E-04	2.77E-07	1.17E-07	8.75E-04	2.76E-07	1.17E-07
1453	495261.06, 3858451.99	8.50E-04	2.68E-07	1.14E-07	8.67E-04	2.74E-07	1.16E-07	8.66E-04	2.73E-07	1.16E-07
1454	495311.06, 3858451.99	8.43E-04	2.66E-07	1.13E-07	8.61E-04	2.72E-07	1.15E-07	8.60E-04	2.71E-07	1.15E-07
1455	495361.06, 3858451.99	8.37E-04	2.64E-07	1.12E-07	8.55E-04	2.70E-07	1.14E-07	8.54E-04	2.69E-07	1.14E-07
1456	495411.06, 3858451.99	8.34E-04	2.63E-07	1.12E-07	8.52E-04	2.69E-07	1.14E-07	8.51E-04	2.68E-07	1.14E-07
1457	495461.06, 3858451.99	8.32E-04	2.63E-07	1.11E-07	8.49E-04	2.68E-07	1.14E-07	8.48E-04	2.68E-07	1.14E-07
1458	495511.06, 3858451.99	8.25E-04	2.60E-07	1.10E-07	8.42E-04	2.66E-07	1.13E-07	8.41E-04	2.65E-07	1.13E-07
1459	495561.06, 3858451.99	8.26E-04	2.61E-07	1.11E-07	8.43E-04	2.66E-07	1.13E-07	8.42E-04	2.66E-07	1.13E-07
1460	495611.06, 3858451.99	8.17E-04	2.58E-07	1.09E-07	8.33E-04	2.63E-07	1.12E-07	8.33E-04	2.63E-07	1.11E-07
1461	495661.06, 3858451.99	8.15E-04	2.57E-07	1.09E-07	8.32E-04	2.63E-07	1.11E-07	8.31E-04	2.62E-07	1.11E-07
1462	494311.06, 3858501.99	1.07E-03	3.37E-07	1.43E-07	1.09E-03	3.44E-07	1.46E-07	1.09E-03	3.44E-07	1.46E-07
1463	494361.06, 3858501.99	1.06E-03	3.35E-07	1.42E-07	1.08E-03	3.42E-07	1.45E-07	1.08E-03	3.42E-07	1.45E-07
1464	494411.06, 3858501.99	1.06E-03	3.33E-07	1.41E-07	1.08E-03	3.40E-07	1.44E-07	1.08E-03	3.40E-07	1.44E-07
1465	494461.06, 3858501.99	1.05E-03	3.32E-07	1.41E-07	1.07E-03	3.39E-07	1.44E-07	1.07E-03	3.38E-07	1.44E-07
1466	494511.06, 3858501.99	1.04E-03	3.28E-07	1.39E-07	1.06E-03	3.35E-07	1.42E-07	1.06E-03	3.35E-07	1.42E-07
1467	494561.06, 3858501.99	1.04E-03	3.29E-07	1.40E-07	1.06E-03	3.36E-07	1.43E-07	1.06E-03	3.36E-07	1.42E-07
1468	494611.06, 3858501.99	1.03E-03	3.26E-07	1.39E-07	1.06E-03	3.33E-07	1.41E-07	1.05E-03	3.33E-07	1.41E-07
1469	494661.06, 3858501.99	1.03E-03	3.25E-07	1.38E-07	1.05E-03	3.31E-07	1.41E-07	1.05E-03	3.31E-07	1.40E-07
1470	494711.06, 3858501.99	1.02E-03	3.21E-07	1.36E-07	1.04E-03	3.28E-07	1.39E-07	1.04E-03	3.27E-07	1.39E-07
1471	494761.06, 3858501.99	1.00E-03	3.17E-07	1.35E-07	1.03E-03	3.24E-07	1.37E-07	1.02E-03	3.23E-07	1.37E-07
1472	494811.06, 3858501.99	9.92E-04	3.13E-07	1.33E-07	1.01E-03	3.20E-07	1.36E-07	1.01E-03	3.19E-07	1.35E-07
1473	494861.06, 3858501.99	9.84E-04	3.11E-07	1.32E-07	1.00E-03	3.17E-07	1.34E-07	1.00E-03	3.17E-07	1.34E-07
1474	494911.06, 3858501.99	9.67E-04	3.05E-07	1.30E-07	9.87E-04	3.11E-07	1.32E-07	9.86E-04	3.11E-07	1.32E-07
1475	494961.06, 3858501.99	9.59E-04	3.03E-07	1.28E-07	9.78E-04	3.09E-07	1.31E-07	9.77E-04	3.08E-07	1.31E-07
1476	495011.06, 3858501.99	9.44E-04	2.98E-07	1.26E-07	9.63E-04	3.04E-07	1.29E-07	9.62E-04	3.04E-07	1.29E-07
1477	495061.06, 3858501.99	9.38E-04	2.96E-07	1.26E-07	9.57E-04	3.02E-07	1.28E-07	9.56E-04	3.02E-07	1.28E-07
1478	495111.06, 3858501.99	9.18E-04	2.90E-07	1.23E-07	9.37E-04	2.96E-07	1.26E-07	9.36E-04	2.95E-07	1.25E-07
1479	495161.06, 3858501.99	9.06E-04	2.86E-07	1.21E-07	9.25E-04	2.92E-07	1.24E-07	9.24E-04	2.92E-07	1.24E-07
1480	495211.06, 3858501.99	8.95E-04	2.82E-07	1.20E-07	9.13E-04	2.88E-07	1.22E-07	9.12E-04	2.88E-07	1.22E-07
1481	495261.06, 3858501.99	8.86E-04	2.80E-07	1.19E-07	9.04E-04	2.85E-07	1.21E-07	9.03E-04	2.85E-07	1.21E-07
1482	495311.06, 3858501.99	8.81E-04	2.78E-07	1.18E-07	8.99E-04	2.84E-07	1.20E-07	8.98E-04	2.83E-07	1.20E-07
1483	495361.06, 3858501.99	8.76E-04	2.76E-07	1.17E-07	8.94E-04	2.82E-07	1.20E-07	8.93E-04	2.82E-07	1.20E-07
1484	495411.06, 3858501.99	8.72E-04	2.75E-07	1.17E-07	8.90E-04	2.81E-07	1.19E-07	8.89E-04	2.81E-07	1.19E-07

1485	495461.06, 3858501.99	8.69E-04	2.74E-07	1.16E-07	8.87E-04	2.80E-07	1.19E-07	8.86E-04	2.80E-07	1.19E-07
1486	495511.06, 3858501.99	8.64E-04	2.73E-07	1.16E-07	8.82E-04	2.78E-07	1.18E-07	8.81E-04	2.78E-07	1.18E-07
1487	495561.06, 3858501.99	8.64E-04	2.73E-07	1.16E-07	8.82E-04	2.78E-07	1.18E-07	8.81E-04	2.78E-07	1.18E-07
1488	495611.06, 3858501.99	8.52E-04	2.69E-07	1.14E-07	8.70E-04	2.75E-07	1.16E-07	8.69E-04	2.74E-07	1.16E-07
1489	495661.06, 3858501.99	8.54E-04	2.70E-07	1.14E-07	8.72E-04	2.75E-07	1.17E-07	8.71E-04	2.75E-07	1.17E-07
1490	494311.06, 3858551.99	1.09E-03	3.44E-07	1.46E-07	1.11E-03	3.51E-07	1.49E-07	1.11E-03	3.50E-07	1.49E-07
1491	494361.06, 3858551.99	1.10E-03	3.46E-07	1.47E-07	1.12E-03	3.53E-07	1.50E-07	1.12E-03	3.53E-07	1.50E-07
1492	494411.06, 3858551.99	1.11E-03	3.50E-07	1.48E-07	1.13E-03	3.57E-07	1.51E-07	1.13E-03	3.57E-07	1.51E-07
1493	494461.06, 3858551.99	1.11E-03	3.49E-07	1.48E-07	1.13E-03	3.57E-07	1.51E-07	1.13E-03	3.56E-07	1.51E-07
1494	494511.06, 3858551.99	1.10E-03	3.48E-07	1.47E-07	1.12E-03	3.55E-07	1.51E-07	1.12E-03	3.54E-07	1.50E-07
1495	494561.06, 3858551.99	1.10E-03	3.46E-07	1.47E-07	1.12E-03	3.53E-07	1.50E-07	1.12E-03	3.53E-07	1.50E-07
1496	494611.06, 3858551.99	1.09E-03	3.44E-07	1.46E-07	1.11E-03	3.51E-07	1.49E-07	1.11E-03	3.50E-07	1.49E-07
1497	494661.06, 3858551.99	1.08E-03	3.42E-07	1.45E-07	1.10E-03	3.49E-07	1.48E-07	1.10E-03	3.48E-07	1.48E-07
1498	494711.06, 3858551.99	1.07E-03	3.37E-07	1.43E-07	1.09E-03	3.44E-07	1.46E-07	1.09E-03	3.44E-07	1.46E-07
1499	494761.06, 3858551.99	1.06E-03	3.33E-07	1.41E-07	1.08E-03	3.40E-07	1.44E-07	1.08E-03	3.40E-07	1.44E-07
1500	494811.06, 3858551.99	1.05E-03	3.30E-07	1.40E-07	1.07E-03	3.37E-07	1.43E-07	1.07E-03	3.36E-07	1.43E-07
1501	494861.06, 3858551.99	1.03E-03	3.26E-07	1.38E-07	1.05E-03	3.32E-07	1.41E-07	1.05E-03	3.32E-07	1.41E-07
1502	494911.06, 3858551.99	1.02E-03	3.20E-07	1.36E-07	1.04E-03	3.27E-07	1.39E-07	1.03E-03	3.27E-07	1.39E-07
1503	494961.06, 3858551.99	1.00E-03	3.16E-07	1.34E-07	1.02E-03	3.23E-07	1.37E-07	1.02E-03	3.23E-07	1.37E-07
1504	495011.06, 3858551.99	9.87E-04	3.11E-07	1.32E-07	1.01E-03	3.18E-07	1.35E-07	1.01E-03	3.17E-07	1.35E-07
1505	495061.06, 3858551.99	9.77E-04	3.08E-07	1.31E-07	9.96E-04	3.14E-07	1.33E-07	9.95E-04	3.14E-07	1.33E-07
1506	495111.06, 3858551.99	9.57E-04	3.02E-07	1.28E-07	9.76E-04	3.08E-07	1.31E-07	9.75E-04	3.08E-07	1.31E-07
1507	495161.06, 3858551.99	9.44E-04	2.98E-07	1.26E-07	9.63E-04	3.04E-07	1.29E-07	9.62E-04	3.04E-07	1.29E-07
1508	495211.06, 3858551.99	9.33E-04	2.94E-07	1.25E-07	9.52E-04	3.00E-07	1.27E-07	9.51E-04	3.00E-07	1.27E-07
1509	495261.06, 3858551.99	9.24E-04	2.92E-07	1.24E-07	9.43E-04	2.98E-07	1.26E-07	9.42E-04	2.97E-07	1.26E-07
1510	495311.06, 3858551.99	9.20E-04	2.90E-07	1.23E-07	9.39E-04	2.96E-07	1.26E-07	9.38E-04	2.96E-07	1.26E-07
1511	495361.06, 3858551.99	9.15E-04	2.89E-07	1.23E-07	9.34E-04	2.95E-07	1.25E-07	9.33E-04	2.94E-07	1.25E-07
1512	495411.06, 3858551.99	9.12E-04	2.88E-07	1.22E-07	9.31E-04	2.94E-07	1.25E-07	9.30E-04	2.93E-07	1.25E-07
1513	495461.06, 3858551.99	9.08E-04	2.87E-07	1.22E-07	9.26E-04	2.92E-07	1.24E-07	9.25E-04	2.92E-07	1.24E-07
1514	495511.06, 3858551.99	9.05E-04	2.86E-07	1.21E-07	9.24E-04	2.92E-07	1.24E-07	9.23E-04	2.91E-07	1.24E-07
1515	495561.06, 3858551.99	9.00E-04	2.84E-07	1.21E-07	9.19E-04	2.90E-07	1.23E-07	9.18E-04	2.90E-07	1.23E-07
1516	495611.06, 3858551.99	8.95E-04	2.82E-07	1.20E-07	9.13E-04	2.88E-07	1.22E-07	9.12E-04	2.88E-07	1.22E-07
1517	495661.06, 3858551.99	8.88E-04	2.80E-07	1.19E-07	9.07E-04	2.86E-07	1.21E-07	9.05E-04	2.86E-07	1.21E-07
1518	494311.06, 3858601.99	1.09E-03	3.45E-07	1.46E-07	1.11E-03	3.52E-07	1.49E-07	1.11E-03	3.51E-07	1.49E-07
1519	494361.06, 3858601.99	1.13E-03	3.57E-07	1.51E-07	1.15E-03	3.64E-07	1.54E-07	1.15E-03	3.64E-07	1.54E-07
1520	494411.06, 3858601.99	1.17E-03	3.69E-07	1.57E-07	1.19E-03	3.77E-07	1.60E-07	1.19E-03	3.76E-07	1.60E-07
1521	494461.06, 3858601.99	1.17E-03	3.68E-07	1.56E-07	1.19E-03	3.76E-07	1.59E-07	1.19E-03	3.75E-07	1.59E-07
1522	494511.06, 3858601.99	1.15E-03	3.64E-07	1.54E-07	1.18E-03	3.71E-07	1.58E-07	1.18E-03	3.71E-07	1.57E-07
1523	494561.06, 3858601.99	1.16E-03	3.65E-07	1.55E-07	1.18E-03	3.73E-07	1.58E-07	1.18E-03	3.72E-07	1.58E-07
1524	494611.06, 3858601.99	1.15E-03	3.62E-07	1.53E-07	1.17E-03	3.69E-07	1.57E-07	1.17E-03	3.69E-07	1.56E-07
1525	494661.06, 3858601.99	1.14E-03	3.59E-07	1.52E-07	1.16E-03	3.66E-07	1.55E-07	1.16E-03	3.66E-07	1.55E-07
1526	494711.06, 3858601.99	1.12E-03	3.55E-07	1.50E-07	1.15E-03	3.62E-07	1.54E-07	1.15E-03	3.62E-07	1.53E-07
1527	494761.06, 3858601.99	1.11E-03	3.50E-07	1.49E-07	1.13E-03	3.58E-07	1.52E-07	1.13E-03	3.57E-07	1.52E-07
1528	494811.06, 3858601.99	1.09E-03	3.44E-07	1.46E-07	1.11E-03	3.51E-07	1.49E-07	1.11E-03	3.51E-07	1.49E-07
1529	494861.06, 3858601.99	1.08E-03	3.40E-07	1.44E-07	1.10E-03	3.47E-07	1.47E-07	1.10E-03	3.47E-07	1.47E-07
1530	494911.06, 3858601.99	1.06E-03	3.34E-07	1.42E-07	1.08E-03	3.41E-07	1.45E-07	1.08E-03	3.41E-07	1.45E-07
1531	494961.06, 3858601.99	1.05E-03	3.30E-07	1.40E-07	1.07E-03	3.37E-07	1.43E-07	1.07E-03	3.36E-07	1.43E-07
1532	495011.06, 3858601.99	1.03E-03	3.26E-07	1.38E-07	1.05E-03	3.32E-07	1.41E-07	1.05E-03	3.32E-07	1.41E-07
1533	495061.06, 3858601.99	1.02E-03	3.21E-07	1.36E-07	1.04E-03	3.27E-07	1.39E-07	1.04E-03	3.27E-07	1.39E-07
1534	495111.06, 3858601.99	9.95E-04	3.14E-07	1.33E-07	1.02E-03	3.20E-07	1.36E-07	1.01E-03	3.20E-07	1.36E-07
1535	495161.06, 3858601.99	9.83E-04	3.10E-07	1.32E-07	1.00E-03	3.16E-07	1.34E-07	1.00E-03	3.16E-07	1.34E-07
1536	495211.06, 3858601.99	9.75E-04	3.08E-07	1.31E-07	9.95E-04	3.14E-07	1.33E-07	9.93E-04	3.14E-07	1.33E-07
1537	495261.06, 3858601.99	9.66E-04	3.05E-07	1.29E-07	9.85E-04	3.11E-07	1.32E-07	9.84E-04	3.11E-07	1.32E-07
1538	495311.06, 3858601.99	9.59E-04	3.03E-07	1.28E-07	9.78E-04	3.09E-07	1.31E-07	9.77E-04	3.08E-07	1.31E-07
1539	495361.06, 3858601.99	9.54E-04	3.01E-07	1.28E-07	9.74E-04	3.07E-07	1.30E-07	9.73E-04	3.07E-07	1.30E-07
1540	495411.06, 3858601.99	9.50E-04	3.00E-07	1.27E-07	9.70E-04	3.06E-07	1.30E-07	9.69E-04	3.06E-07	1.30E-07
1541	495461.06, 3858601.99	9.47E-04	2.99E-07	1.27E-07	9.66E-04	3.05E-07	1.29E-07	9.65E-04	3.05E-07	1.29E-07
1542	495511.06, 3858601.99	9.39E-04	2.96E-07	1.26E-07	9.58E-04	3.02E-07	1.28E-07	9.57E-04	3.02E-07	1.28E-07
1543	495561.06, 3858601.99	9.37E-04	2.96E-07	1.25E-07	9.56E-04	3.02E-07	1.28E-07	9.55E-04	3.01E-07	1.28E-07
1544	495611.06, 3858601.99	9.28E-04	2.93E-07	1.24E-07	9.47E-04	2.99E-07	1.27E-07	9.46E-04	2.99E-07	1.27E-07
1545	495661.06, 3858601.99	9.25E-04	2.92E-07	1.24E-07	9.44E-04	2.98E-07	1.26E-07	9.43E-04	2.98E-07	1.26E-07
1546	494311.06, 3858651.99	1.13E-03	3.55E-07	1.51E-07	1.15E-03	3.63E-07	1.54E-07	1.15E-03	3.62E-07	1.54E-07

1547	494361.06, 3858651.99	1.16E-03	3.67E-07	1.56E-07	1.19E-03	3.75E-07	1.59E-07	1.19E-03	3.74E-07	1.59E-07
1548	494411.06, 3858651.99	1.21E-03	3.83E-07	1.63E-07	1.24E-03	3.91E-07	1.66E-07	1.24E-03	3.91E-07	1.66E-07
1549	494461.06, 3858651.99	1.23E-03	3.87E-07	1.64E-07	1.25E-03	3.95E-07	1.68E-07	1.25E-03	3.95E-07	1.67E-07
1550	494511.06, 3858651.99	1.22E-03	3.85E-07	1.63E-07	1.24E-03	3.93E-07	1.67E-07	1.24E-03	3.92E-07	1.66E-07
1551	494561.06, 3858651.99	1.21E-03	3.83E-07	1.63E-07	1.24E-03	3.91E-07	1.66E-07	1.24E-03	3.91E-07	1.66E-07
1552	494611.06, 3858651.99	1.21E-03	3.81E-07	1.62E-07	1.23E-03	3.89E-07	1.65E-07	1.23E-03	3.88E-07	1.65E-07
1553	494661.06, 3858651.99	1.19E-03	3.77E-07	1.60E-07	1.22E-03	3.85E-07	1.63E-07	1.22E-03	3.84E-07	1.63E-07
1554	494711.06, 3858651.99	1.18E-03	3.72E-07	1.58E-07	1.20E-03	3.80E-07	1.61E-07	1.20E-03	3.79E-07	1.61E-07
1555	494761.06, 3858651.99	1.17E-03	3.68E-07	1.56E-07	1.19E-03	3.75E-07	1.59E-07	1.19E-03	3.75E-07	1.59E-07
1556	494811.06, 3858651.99	1.15E-03	3.62E-07	1.53E-07	1.17E-03	3.69E-07	1.57E-07	1.17E-03	3.69E-07	1.56E-07
1557	494861.06, 3858651.99	1.13E-03	3.56E-07	1.51E-07	1.15E-03	3.63E-07	1.54E-07	1.15E-03	3.63E-07	1.54E-07
1558	494911.06, 3858651.99	1.11E-03	3.50E-07	1.48E-07	1.13E-03	3.57E-07	1.51E-07	1.13E-03	3.56E-07	1.51E-07
1559	494961.06, 3858651.99	1.09E-03	3.44E-07	1.46E-07	1.11E-03	3.51E-07	1.49E-07	1.11E-03	3.51E-07	1.49E-07
1560	495011.06, 3858651.99	1.08E-03	3.40E-07	1.44E-07	1.10E-03	3.46E-07	1.47E-07	1.10E-03	3.46E-07	1.47E-07
1561	495061.06, 3858651.99	1.06E-03	3.34E-07	1.42E-07	1.08E-03	3.41E-07	1.45E-07	1.08E-03	3.41E-07	1.45E-07
1562	495111.06, 3858651.99	1.04E-03	3.29E-07	1.39E-07	1.06E-03	3.35E-07	1.42E-07	1.06E-03	3.35E-07	1.42E-07
1563	495161.06, 3858651.99	1.03E-03	3.25E-07	1.38E-07	1.05E-03	3.31E-07	1.41E-07	1.05E-03	3.31E-07	1.40E-07
1564	495211.06, 3858651.99	1.01E-03	3.20E-07	1.36E-07	1.04E-03	3.27E-07	1.39E-07	1.03E-03	3.26E-07	1.38E-07
1565	495261.06, 3858651.99	1.01E-03	3.19E-07	1.35E-07	1.03E-03	3.25E-07	1.38E-07	1.03E-03	3.25E-07	1.38E-07
1566	495311.06, 3858651.99	1.00E-03	3.16E-07	1.34E-07	1.02E-03	3.23E-07	1.37E-07	1.02E-03	3.22E-07	1.37E-07
1567	495361.06, 3858651.99	9.97E-04	3.15E-07	1.34E-07	1.02E-03	3.21E-07	1.36E-07	1.02E-03	3.21E-07	1.36E-07
1568	495411.06, 3858651.99	9.93E-04	3.14E-07	1.33E-07	1.01E-03	3.20E-07	1.36E-07	1.01E-03	3.20E-07	1.36E-07
1569	495461.06, 3858651.99	9.92E-04	3.13E-07	1.33E-07	1.01E-03	3.19E-07	1.35E-07	1.01E-03	3.19E-07	1.35E-07
1570	495511.06, 3858651.99	9.82E-04	3.10E-07	1.32E-07	1.00E-03	3.16E-07	1.34E-07	1.00E-03	3.16E-07	1.34E-07
1571	495561.06, 3858651.99	9.75E-04	3.08E-07	1.31E-07	9.95E-04	3.14E-07	1.33E-07	9.94E-04	3.14E-07	1.33E-07
1572	495611.06, 3858651.99	9.65E-04	3.04E-07	1.29E-07	9.84E-04	3.11E-07	1.32E-07	9.83E-04	3.10E-07	1.32E-07
1573	495661.06, 3858651.99	9.61E-04	3.03E-07	1.29E-07	9.81E-04	3.09E-07	1.31E-07	9.79E-04	3.09E-07	1.31E-07
1574	494311.06, 3858701.99	1.18E-03	3.73E-07	1.58E-07	1.21E-03	3.80E-07	1.61E-07	1.20E-03	3.80E-07	1.61E-07
1575	494361.06, 3858701.99	1.24E-03	3.91E-07	1.66E-07	1.26E-03	3.99E-07	1.69E-07	1.26E-03	3.98E-07	1.69E-07
1576	494411.06, 3858701.99	1.27E-03	4.02E-07	1.71E-07	1.30E-03	4.11E-07	1.74E-07	1.30E-03	4.10E-07	1.74E-07
1577	494461.06, 3858701.99	1.27E-03	4.02E-07	1.71E-07	1.30E-03	4.10E-07	1.74E-07	1.30E-03	4.10E-07	1.74E-07
1578	494511.06, 3858701.99	1.28E-03	4.04E-07	1.71E-07	1.31E-03	4.12E-07	1.75E-07	1.31E-03	4.12E-07	1.75E-07
1579	494561.06, 3858701.99	1.27E-03	4.02E-07	1.70E-07	1.30E-03	4.10E-07	1.74E-07	1.30E-03	4.09E-07	1.74E-07
1580	494611.06, 3858701.99	1.25E-03	3.95E-07	1.68E-07	1.28E-03	4.03E-07	1.71E-07	1.28E-03	4.03E-07	1.71E-07
1581	494661.06, 3858701.99	1.25E-03	3.94E-07	1.67E-07	1.28E-03	4.02E-07	1.71E-07	1.27E-03	4.02E-07	1.71E-07
1582	494711.06, 3858701.99	1.20E-03	3.80E-07	1.61E-07	1.23E-03	3.88E-07	1.65E-07	1.23E-03	3.88E-07	1.64E-07
1583	494761.06, 3858701.99	1.21E-03	3.83E-07	1.62E-07	1.24E-03	3.91E-07	1.66E-07	1.24E-03	3.90E-07	1.66E-07
1584	494811.06, 3858701.99	1.19E-03	3.76E-07	1.60E-07	1.22E-03	3.84E-07	1.63E-07	1.22E-03	3.84E-07	1.63E-07
1585	494861.06, 3858701.99	1.18E-03	3.71E-07	1.57E-07	1.20E-03	3.79E-07	1.61E-07	1.20E-03	3.78E-07	1.60E-07
1586	494911.06, 3858701.99	1.16E-03	3.66E-07	1.55E-07	1.18E-03	3.74E-07	1.59E-07	1.18E-03	3.73E-07	1.58E-07
1587	494961.06, 3858701.99	1.13E-03	3.57E-07	1.52E-07	1.16E-03	3.65E-07	1.55E-07	1.15E-03	3.64E-07	1.55E-07
1588	495011.06, 3858701.99	1.11E-03	3.52E-07	1.49E-07	1.14E-03	3.59E-07	1.52E-07	1.14E-03	3.58E-07	1.52E-07
1589	495061.06, 3858701.99	1.11E-03	3.49E-07	1.48E-07	1.13E-03	3.56E-07	1.51E-07	1.13E-03	3.56E-07	1.51E-07
1590	495111.06, 3858701.99	1.08E-03	3.42E-07	1.45E-07	1.11E-03	3.49E-07	1.48E-07	1.11E-03	3.49E-07	1.48E-07
1591	495161.06, 3858701.99	1.07E-03	3.39E-07	1.44E-07	1.10E-03	3.46E-07	1.47E-07	1.09E-03	3.45E-07	1.46E-07
1592	495211.06, 3858701.99	1.06E-03	3.34E-07	1.42E-07	1.08E-03	3.41E-07	1.45E-07	1.08E-03	3.40E-07	1.44E-07
1593	495261.06, 3858701.99	1.05E-03	3.33E-07	1.41E-07	1.08E-03	3.39E-07	1.44E-07	1.07E-03	3.39E-07	1.44E-07
1594	495311.06, 3858701.99	1.05E-03	3.31E-07	1.40E-07	1.07E-03	3.38E-07	1.43E-07	1.07E-03	3.37E-07	1.43E-07
1595	495361.06, 3858701.99	1.04E-03	3.29E-07	1.40E-07	1.06E-03	3.36E-07	1.42E-07	1.06E-03	3.35E-07	1.42E-07
1596	495411.06, 3858701.99	1.04E-03	3.28E-07	1.39E-07	1.06E-03	3.35E-07	1.42E-07	1.06E-03	3.34E-07	1.42E-07
1597	495461.06, 3858701.99	1.03E-03	3.26E-07	1.38E-07	1.05E-03	3.33E-07	1.41E-07	1.05E-03	3.33E-07	1.41E-07
1598	495511.06, 3858701.99	1.03E-03	3.24E-07	1.37E-07	1.05E-03	3.30E-07	1.40E-07	1.05E-03	3.30E-07	1.40E-07
1599	495561.06, 3858701.99	1.02E-03	3.21E-07	1.36E-07	1.04E-03	3.27E-07	1.39E-07	1.04E-03	3.27E-07	1.39E-07
1600	495611.06, 3858701.99	1.01E-03	3.18E-07	1.35E-07	1.03E-03	3.24E-07	1.38E-07	1.03E-03	3.24E-07	1.37E-07
1601	495661.06, 3858701.99	1.00E-03	3.16E-07	1.34E-07	1.02E-03	3.22E-07	1.37E-07	1.02E-03	3.22E-07	1.36E-07
1602	494311.06, 3858751.99	1.24E-03	3.91E-07	1.66E-07	1.26E-03	3.99E-07	1.69E-07	1.26E-03	3.99E-07	1.69E-07
1603	494361.06, 3858751.99	1.31E-03	4.14E-07	1.76E-07	1.34E-03	4.22E-07	1.79E-07	1.34E-03	4.22E-07	1.79E-07
1604	494411.06, 3858751.99	1.34E-03	4.23E-07	1.80E-07	1.37E-03	4.32E-07	1.83E-07	1.37E-03	4.31E-07	1.83E-07
1605	494461.06, 3858751.99	1.34E-03	4.23E-07	1.79E-07	1.37E-03	4.32E-07	1.83E-07	1.37E-03	4.31E-07	1.83E-07
1606	494511.06, 3858751.99	1.35E-03	4.26E-07	1.81E-07	1.38E-03	4.35E-07	1.84E-07	1.38E-03	4.34E-07	1.84E-07
1607	494561.06, 3858751.99	1.33E-03	4.20E-07	1.78E-07	1.36E-03	4.28E-07	1.82E-07	1.35E-03	4.28E-07	1.81E-07
1608	494611.06, 3858751.99	1.31E-03	4.14E-07	1.76E-07	1.34E-03	4.23E-07	1.79E-07	1.34E-03	4.22E-07	1.79E-07

1609	494661.06, 3858751.99	1.30E-03	4.09E-07	1.74E-07	1.32E-03	4.18E-07	1.77E-07	1.32E-03	4.17E-07	1.77E-07
1610	494711.06, 3858751.99	1.27E-03	4.01E-07	1.70E-07	1.30E-03	4.09E-07	1.74E-07	1.29E-03	4.09E-07	1.73E-07
1611	494761.06, 3858751.99	1.27E-03	4.00E-07	1.70E-07	1.29E-03	4.08E-07	1.73E-07	1.29E-03	4.08E-07	1.73E-07
1612	494811.06, 3858751.99	1.24E-03	3.93E-07	1.67E-07	1.27E-03	4.01E-07	1.70E-07	1.27E-03	4.00E-07	1.70E-07
1613	494861.06, 3858751.99	1.22E-03	3.86E-07	1.64E-07	1.25E-03	3.94E-07	1.67E-07	1.25E-03	3.93E-07	1.67E-07
1614	494911.06, 3858751.99	1.20E-03	3.79E-07	1.61E-07	1.22E-03	3.86E-07	1.64E-07	1.22E-03	3.86E-07	1.64E-07
1615	494961.06, 3858751.99	1.18E-03	3.73E-07	1.58E-07	1.21E-03	3.81E-07	1.62E-07	1.21E-03	3.80E-07	1.61E-07
1616	495011.06, 3858751.99	1.17E-03	3.69E-07	1.57E-07	1.19E-03	3.77E-07	1.60E-07	1.19E-03	3.76E-07	1.60E-07
1617	495061.06, 3858751.99	1.15E-03	3.64E-07	1.54E-07	1.18E-03	3.71E-07	1.58E-07	1.17E-03	3.71E-07	1.57E-07
1618	495111.06, 3858751.99	1.13E-03	3.57E-07	1.52E-07	1.16E-03	3.65E-07	1.55E-07	1.15E-03	3.64E-07	1.55E-07
1619	495161.06, 3858751.99	1.12E-03	3.53E-07	1.50E-07	1.14E-03	3.61E-07	1.53E-07	1.14E-03	3.60E-07	1.53E-07
1620	495211.06, 3858751.99	1.10E-03	3.48E-07	1.48E-07	1.13E-03	3.56E-07	1.51E-07	1.13E-03	3.55E-07	1.51E-07
1621	495261.06, 3858751.99	1.10E-03	3.47E-07	1.47E-07	1.12E-03	3.54E-07	1.50E-07	1.12E-03	3.53E-07	1.50E-07
1622	495311.06, 3858751.99	1.09E-03	3.45E-07	1.46E-07	1.12E-03	3.52E-07	1.49E-07	1.11E-03	3.52E-07	1.49E-07
1623	495361.06, 3858751.99	1.09E-03	3.43E-07	1.45E-07	1.11E-03	3.50E-07	1.48E-07	1.11E-03	3.49E-07	1.48E-07
1624	495411.06, 3858751.99	1.08E-03	3.42E-07	1.45E-07	1.11E-03	3.49E-07	1.48E-07	1.11E-03	3.49E-07	1.48E-07
1625	495461.06, 3858751.99	1.08E-03	3.40E-07	1.44E-07	1.10E-03	3.47E-07	1.47E-07	1.10E-03	3.47E-07	1.47E-07
1626	495511.06, 3858751.99	1.07E-03	3.37E-07	1.43E-07	1.09E-03	3.44E-07	1.46E-07	1.09E-03	3.44E-07	1.46E-07
1627	495561.06, 3858751.99	1.06E-03	3.34E-07	1.42E-07	1.08E-03	3.41E-07	1.45E-07	1.08E-03	3.41E-07	1.45E-07
1628	495611.06, 3858751.99	1.05E-03	3.31E-07	1.41E-07	1.07E-03	3.38E-07	1.43E-07	1.07E-03	3.38E-07	1.43E-07
1629	495661.06, 3858751.99	1.04E-03	3.29E-07	1.39E-07	1.06E-03	3.35E-07	1.42E-07	1.06E-03	3.35E-07	1.42E-07
1630	494311.06, 3858801.99	1.32E-03	4.15E-07	1.76E-07	1.34E-03	4.24E-07	1.80E-07	1.34E-03	4.23E-07	1.80E-07
1631	494361.06, 3858801.99	1.38E-03	4.37E-07	1.85E-07	1.41E-03	4.46E-07	1.89E-07	1.41E-03	4.45E-07	1.89E-07
1632	494411.06, 3858801.99	1.40E-03	4.42E-07	1.87E-07	1.43E-03	4.51E-07	1.91E-07	1.43E-03	4.50E-07	1.91E-07
1633	494461.06, 3858801.99	1.41E-03	4.44E-07	1.88E-07	1.43E-03	4.53E-07	1.92E-07	1.43E-03	4.52E-07	1.92E-07
1634	494511.06, 3858801.99	1.42E-03	4.47E-07	1.90E-07	1.45E-03	4.57E-07	1.94E-07	1.44E-03	4.56E-07	1.93E-07
1635	494561.06, 3858801.99	1.41E-03	4.45E-07	1.89E-07	1.44E-03	4.54E-07	1.93E-07	1.44E-03	4.54E-07	1.93E-07
1636	494611.06, 3858801.99	1.40E-03	4.41E-07	1.87E-07	1.43E-03	4.50E-07	1.91E-07	1.42E-03	4.49E-07	1.91E-07
1637	494661.06, 3858801.99	1.38E-03	4.34E-07	1.84E-07	1.40E-03	4.43E-07	1.88E-07	1.40E-03	4.42E-07	1.88E-07
1638	494711.06, 3858801.99	1.35E-03	4.26E-07	1.81E-07	1.38E-03	4.35E-07	1.84E-07	1.38E-03	4.34E-07	1.84E-07
1639	494761.06, 3858801.99	1.32E-03	4.17E-07	1.77E-07	1.35E-03	4.26E-07	1.81E-07	1.35E-03	4.25E-07	1.80E-07
1640	494811.06, 3858801.99	1.29E-03	4.08E-07	1.73E-07	1.32E-03	4.16E-07	1.77E-07	1.32E-03	4.16E-07	1.76E-07
1641	494861.06, 3858801.99	1.28E-03	4.03E-07	1.71E-07	1.30E-03	4.11E-07	1.74E-07	1.30E-03	4.10E-07	1.74E-07
1642	494911.06, 3858801.99	1.25E-03	3.95E-07	1.68E-07	1.28E-03	4.03E-07	1.71E-07	1.28E-03	4.03E-07	1.71E-07
1643	494961.06, 3858801.99	1.23E-03	3.89E-07	1.65E-07	1.26E-03	3.97E-07	1.69E-07	1.26E-03	3.97E-07	1.68E-07
1644	495011.06, 3858801.99	1.21E-03	3.83E-07	1.63E-07	1.24E-03	3.91E-07	1.66E-07	1.24E-03	3.91E-07	1.66E-07
1645	495061.06, 3858801.99	1.20E-03	3.79E-07	1.61E-07	1.23E-03	3.87E-07	1.64E-07	1.23E-03	3.87E-07	1.64E-07
1646	495111.06, 3858801.99	1.18E-03	3.72E-07	1.58E-07	1.20E-03	3.79E-07	1.61E-07	1.20E-03	3.79E-07	1.61E-07
1647	495161.06, 3858801.99	1.16E-03	3.66E-07	1.55E-07	1.18E-03	3.74E-07	1.59E-07	1.18E-03	3.73E-07	1.58E-07
1648	495211.06, 3858801.99	1.15E-03	3.63E-07	1.54E-07	1.17E-03	3.70E-07	1.57E-07	1.17E-03	3.70E-07	1.57E-07
1649	495261.06, 3858801.99	1.14E-03	3.61E-07	1.53E-07	1.17E-03	3.68E-07	1.56E-07	1.17E-03	3.68E-07	1.56E-07
1650	495311.06, 3858801.99	1.14E-03	3.60E-07	1.53E-07	1.16E-03	3.67E-07	1.56E-07	1.16E-03	3.67E-07	1.56E-07
1651	495361.06, 3858801.99	1.13E-03	3.57E-07	1.52E-07	1.16E-03	3.65E-07	1.55E-07	1.15E-03	3.64E-07	1.55E-07
1652	495411.06, 3858801.99	1.13E-03	3.57E-07	1.52E-07	1.16E-03	3.65E-07	1.55E-07	1.15E-03	3.64E-07	1.55E-07
1653	495461.06, 3858801.99	1.12E-03	3.55E-07	1.51E-07	1.15E-03	3.62E-07	1.54E-07	1.15E-03	3.62E-07	1.53E-07
1654	495511.06, 3858801.99	1.11E-03	3.52E-07	1.49E-07	1.14E-03	3.59E-07	1.52E-07	1.14E-03	3.58E-07	1.52E-07
1655	495561.06, 3858801.99	1.10E-03	3.49E-07	1.48E-07	1.13E-03	3.56E-07	1.51E-07	1.13E-03	3.55E-07	1.51E-07
1656	495611.06, 3858801.99	1.09E-03	3.45E-07	1.46E-07	1.11E-03	3.52E-07	1.49E-07	1.11E-03	3.51E-07	1.49E-07
1657	495661.06, 3858801.99	1.08E-03	3.42E-07	1.45E-07	1.11E-03	3.49E-07	1.48E-07	1.11E-03	3.49E-07	1.48E-07
1658	494311.06, 3858851.99	1.44E-03	4.56E-07	1.93E-07	1.47E-03	4.65E-07	1.97E-07	1.47E-03	4.64E-07	1.97E-07
1659	494361.06, 3858851.99	1.48E-03	4.69E-07	1.99E-07	1.52E-03	4.78E-07	2.03E-07	1.51E-03	4.78E-07	2.03E-07
1660	494411.06, 3858851.99	1.48E-03	4.67E-07	1.98E-07	1.51E-03	4.76E-07	2.02E-07	1.51E-03	4.76E-07	2.02E-07
1661	494461.06, 3858851.99	1.48E-03	4.67E-07	1.98E-07	1.51E-03	4.76E-07	2.02E-07	1.51E-03	4.76E-07	2.02E-07
1662	494511.06, 3858851.99	1.49E-03	4.69E-07	1.99E-07	1.52E-03	4.78E-07	2.03E-07	1.51E-03	4.78E-07	2.03E-07
1663	494561.06, 3858851.99	1.48E-03	4.66E-07	1.98E-07	1.51E-03	4.75E-07	2.02E-07	1.50E-03	4.75E-07	2.01E-07
1664	494611.06, 3858851.99	1.46E-03	4.60E-07	1.95E-07	1.49E-03	4.69E-07	1.99E-07	1.49E-03	4.69E-07	1.99E-07
1665	494661.06, 3858851.99	1.44E-03	4.53E-07	1.92E-07	1.46E-03	4.62E-07	1.96E-07	1.46E-03	4.62E-07	1.96E-07
1666	494711.06, 3858851.99	1.40E-03	4.43E-07	1.88E-07	1.43E-03	4.52E-07	1.92E-07	1.43E-03	4.51E-07	1.92E-07
1667	494761.06, 3858851.99	1.37E-03	4.33E-07	1.84E-07	1.40E-03	4.42E-07	1.88E-07	1.40E-03	4.42E-07	1.87E-07
1668	494811.06, 3858851.99	1.35E-03	4.26E-07	1.81E-07	1.38E-03	4.34E-07	1.84E-07	1.37E-03	4.34E-07	1.84E-07
1669	494861.06, 3858851.99	1.33E-03	4.20E-07	1.78E-07	1.36E-03	4.29E-07	1.82E-07	1.36E-03	4.28E-07	1.82E-07
1670	494911.06, 3858851.99	1.31E-03	4.13E-07	1.75E-07	1.34E-03	4.21E-07	1.79E-07	1.33E-03	4.21E-07	1.79E-07

1671	494961.06, 3858851.99	1.29E-03	4.07E-07	1.73E-07	1.31E-03	4.15E-07	1.76E-07	1.31E-03	4.14E-07	1.76E-07
1672	495011.06, 3858851.99	1.27E-03	4.01E-07	1.70E-07	1.30E-03	4.09E-07	1.74E-07	1.30E-03	4.09E-07	1.74E-07
1673	495061.06, 3858851.99	1.25E-03	3.95E-07	1.68E-07	1.28E-03	4.03E-07	1.71E-07	1.28E-03	4.03E-07	1.71E-07
1674	495111.06, 3858851.99	1.22E-03	3.85E-07	1.63E-07	1.24E-03	3.93E-07	1.67E-07	1.24E-03	3.92E-07	1.66E-07
1675	495161.06, 3858851.99	1.20E-03	3.79E-07	1.61E-07	1.23E-03	3.87E-07	1.64E-07	1.22E-03	3.86E-07	1.64E-07
1676	495211.06, 3858851.99	1.20E-03	3.78E-07	1.61E-07	1.22E-03	3.86E-07	1.64E-07	1.22E-03	3.86E-07	1.64E-07
1677	495261.06, 3858851.99	1.19E-03	3.76E-07	1.60E-07	1.22E-03	3.84E-07	1.63E-07	1.21E-03	3.83E-07	1.63E-07
1678	495311.06, 3858851.99	1.19E-03	3.75E-07	1.59E-07	1.21E-03	3.83E-07	1.62E-07	1.21E-03	3.82E-07	1.62E-07
1679	495361.06, 3858851.99	1.18E-03	3.73E-07	1.58E-07	1.21E-03	3.81E-07	1.62E-07	1.20E-03	3.80E-07	1.61E-07
1680	495411.06, 3858851.99	1.18E-03	3.71E-07	1.58E-07	1.20E-03	3.79E-07	1.61E-07	1.20E-03	3.78E-07	1.61E-07
1681	495461.06, 3858851.99	1.17E-03	3.70E-07	1.57E-07	1.19E-03	3.77E-07	1.60E-07	1.19E-03	3.77E-07	1.60E-07
1682	495511.06, 3858851.99	1.16E-03	3.66E-07	1.55E-07	1.18E-03	3.73E-07	1.58E-07	1.18E-03	3.73E-07	1.58E-07
1683	495561.06, 3858851.99	1.15E-03	3.61E-07	1.53E-07	1.17E-03	3.69E-07	1.57E-07	1.17E-03	3.68E-07	1.56E-07
1684	495611.06, 3858851.99	1.13E-03	3.57E-07	1.51E-07	1.15E-03	3.64E-07	1.55E-07	1.15E-03	3.64E-07	1.54E-07
1685	495661.06, 3858851.99	1.13E-03	3.55E-07	1.51E-07	1.15E-03	3.63E-07	1.54E-07	1.15E-03	3.62E-07	1.54E-07
1686	494311.06, 3858901.99	1.53E-03	4.83E-07	2.05E-07	1.56E-03	4.93E-07	2.09E-07	1.56E-03	4.93E-07	2.09E-07
1687	494361.06, 3858901.99	1.56E-03	4.93E-07	2.09E-07	1.59E-03	5.03E-07	2.14E-07	1.59E-03	5.03E-07	2.13E-07
1688	494411.06, 3858901.99	1.56E-03	4.93E-07	2.09E-07	1.59E-03	5.03E-07	2.13E-07	1.59E-03	5.03E-07	2.13E-07
1689	494461.06, 3858901.99	1.57E-03	4.97E-07	2.11E-07	1.61E-03	5.07E-07	2.15E-07	1.60E-03	5.06E-07	2.15E-07
1690	494511.06, 3858901.99	1.57E-03	4.95E-07	2.10E-07	1.60E-03	5.05E-07	2.14E-07	1.60E-03	5.05E-07	2.14E-07
1691	494561.06, 3858901.99	1.55E-03	4.89E-07	2.07E-07	1.58E-03	4.99E-07	2.12E-07	1.58E-03	4.98E-07	2.11E-07
1692	494611.06, 3858901.99	1.52E-03	4.78E-07	2.03E-07	1.55E-03	4.88E-07	2.07E-07	1.54E-03	4.87E-07	2.07E-07
1693	494661.06, 3858901.99	1.50E-03	4.72E-07	2.00E-07	1.53E-03	4.82E-07	2.04E-07	1.52E-03	4.81E-07	2.04E-07
1694	494711.06, 3858901.99	1.47E-03	4.62E-07	1.96E-07	1.49E-03	4.72E-07	2.00E-07	1.49E-03	4.71E-07	2.00E-07
1695	494761.06, 3858901.99	1.43E-03	4.51E-07	1.91E-07	1.46E-03	4.60E-07	1.95E-07	1.46E-03	4.60E-07	1.95E-07
1696	494811.06, 3858901.99	1.41E-03	4.44E-07	1.89E-07	1.44E-03	4.53E-07	1.92E-07	1.43E-03	4.53E-07	1.92E-07
1697	494861.06, 3858901.99	1.39E-03	4.39E-07	1.86E-07	1.42E-03	4.48E-07	1.90E-07	1.42E-03	4.47E-07	1.90E-07
1698	494911.06, 3858901.99	1.36E-03	4.28E-07	1.82E-07	1.39E-03	4.37E-07	1.85E-07	1.38E-03	4.37E-07	1.85E-07
1699	494961.06, 3858901.99	1.34E-03	4.22E-07	1.79E-07	1.37E-03	4.31E-07	1.83E-07	1.36E-03	4.30E-07	1.83E-07
1700	495011.06, 3858901.99	1.32E-03	4.16E-07	1.77E-07	1.35E-03	4.25E-07	1.80E-07	1.34E-03	4.24E-07	1.80E-07
1701	495061.06, 3858901.99	1.29E-03	4.08E-07	1.73E-07	1.32E-03	4.17E-07	1.77E-07	1.32E-03	4.16E-07	1.77E-07
1702	495111.06, 3858901.99	1.26E-03	3.97E-07	1.69E-07	1.28E-03	4.05E-07	1.72E-07	1.28E-03	4.05E-07	1.72E-07
1703	495161.06, 3858901.99	1.25E-03	3.93E-07	1.67E-07	1.27E-03	4.01E-07	1.70E-07	1.27E-03	4.01E-07	1.70E-07
1704	495211.06, 3858901.99	1.25E-03	3.94E-07	1.67E-07	1.27E-03	4.02E-07	1.71E-07	1.27E-03	4.02E-07	1.70E-07
1705	495261.06, 3858901.99	1.24E-03	3.92E-07	1.67E-07	1.27E-03	4.00E-07	1.70E-07	1.27E-03	4.00E-07	1.70E-07
1706	495311.06, 3858901.99	1.24E-03	3.90E-07	1.65E-07	1.26E-03	3.98E-07	1.69E-07	1.26E-03	3.97E-07	1.69E-07
1707	495361.06, 3858901.99	1.23E-03	3.88E-07	1.65E-07	1.25E-03	3.96E-07	1.68E-07	1.25E-03	3.95E-07	1.68E-07
1708	495411.06, 3858901.99	1.23E-03	3.87E-07	1.64E-07	1.25E-03	3.95E-07	1.67E-07	1.25E-03	3.94E-07	1.67E-07
1709	495461.06, 3858901.99	1.22E-03	3.84E-07	1.63E-07	1.24E-03	3.92E-07	1.66E-07	1.24E-03	3.91E-07	1.66E-07
1710	495511.06, 3858901.99	1.20E-03	3.79E-07	1.61E-07	1.23E-03	3.87E-07	1.64E-07	1.23E-03	3.87E-07	1.64E-07
1711	495561.06, 3858901.99	1.19E-03	3.76E-07	1.59E-07	1.21E-03	3.83E-07	1.63E-07	1.21E-03	3.83E-07	1.62E-07
1712	495611.06, 3858901.99	1.18E-03	3.71E-07	1.57E-07	1.20E-03	3.79E-07	1.61E-07	1.20E-03	3.78E-07	1.60E-07
1713	495661.06, 3858901.99	1.17E-03	3.70E-07	1.57E-07	1.19E-03	3.77E-07	1.60E-07	1.19E-03	3.77E-07	1.60E-07
1714	494311.06, 3858951.99	1.65E-03	5.19E-07	2.20E-07	1.68E-03	5.30E-07	2.25E-07	1.68E-03	5.29E-07	2.25E-07
1715	494361.06, 3858951.99	1.66E-03	5.23E-07	2.22E-07	1.69E-03	5.33E-07	2.26E-07	1.69E-03	5.33E-07	2.26E-07
1716	494411.06, 3858951.99	1.64E-03	5.18E-07	2.20E-07	1.67E-03	5.28E-07	2.24E-07	1.67E-03	5.27E-07	2.24E-07
1717	494461.06, 3858951.99	1.65E-03	5.22E-07	2.21E-07	1.69E-03	5.32E-07	2.26E-07	1.68E-03	5.32E-07	2.26E-07
1718	494511.06, 3858951.99	1.64E-03	5.18E-07	2.20E-07	1.67E-03	5.28E-07	2.24E-07	1.67E-03	5.28E-07	2.24E-07
1719	494561.06, 3858951.99	1.62E-03	5.11E-07	2.17E-07	1.65E-03	5.21E-07	2.21E-07	1.65E-03	5.21E-07	2.21E-07
1720	494611.06, 3858951.99	1.59E-03	5.01E-07	2.13E-07	1.62E-03	5.11E-07	2.17E-07	1.62E-03	5.11E-07	2.17E-07
1721	494661.06, 3858951.99	1.56E-03	4.92E-07	2.09E-07	1.59E-03	5.02E-07	2.13E-07	1.59E-03	5.02E-07	2.13E-07
1722	494711.06, 3858951.99	1.52E-03	4.80E-07	2.04E-07	1.55E-03	4.90E-07	2.08E-07	1.55E-03	4.89E-07	2.08E-07
1723	494761.06, 3858951.99	1.49E-03	4.71E-07	2.00E-07	1.52E-03	4.81E-07	2.04E-07	1.52E-03	4.80E-07	2.04E-07
1724	494811.06, 3858951.99	1.47E-03	4.65E-07	1.97E-07	1.50E-03	4.74E-07	2.01E-07	1.50E-03	4.74E-07	2.01E-07
1725	494861.06, 3858951.99	1.45E-03	4.58E-07	1.94E-07	1.48E-03	4.68E-07	1.98E-07	1.48E-03	4.67E-07	1.98E-07
1726	494911.06, 3858951.99	1.42E-03	4.49E-07	1.91E-07	1.45E-03	4.58E-07	1.94E-07	1.45E-03	4.58E-07	1.94E-07
1727	494961.06, 3858951.99	1.41E-03	4.44E-07	1.88E-07	1.44E-03	4.53E-07	1.92E-07	1.43E-03	4.53E-07	1.92E-07
1728	495011.06, 3858951.99	1.37E-03	4.31E-07	1.83E-07	1.39E-03	4.40E-07	1.87E-07	1.39E-03	4.40E-07	1.86E-07
1729	495061.06, 3858951.99	1.33E-03	4.19E-07	1.78E-07	1.36E-03	4.28E-07	1.81E-07	1.35E-03	4.27E-07	1.81E-07
1730	495111.06, 3858951.99	1.30E-03	4.10E-07	1.74E-07	1.33E-03	4.18E-07	1.77E-07	1.32E-03	4.18E-07	1.77E-07
1731	495161.06, 3858951.99	1.31E-03	4.12E-07	1.75E-07	1.33E-03	4.21E-07	1.78E-07	1.33E-03	4.20E-07	1.78E-07
1732	495211.06, 3858951.99	1.30E-03	4.11E-07	1.74E-07	1.33E-03	4.19E-07	1.78E-07	1.33E-03	4.18E-07	1.78E-07

1733	495261.06, 3858951.99	1.30E-03	4.09E-07	1.73E-07	1.32E-03	4.17E-07	1.77E-07	1.32E-03	4.17E-07	1.77E-07
1734	495311.06, 3858951.99	1.28E-03	4.04E-07	1.71E-07	1.30E-03	4.12E-07	1.75E-07	1.30E-03	4.11E-07	1.75E-07
1735	495361.06, 3858951.99	1.27E-03	4.02E-07	1.71E-07	1.30E-03	4.11E-07	1.74E-07	1.30E-03	4.10E-07	1.74E-07
1736	495411.06, 3858951.99	1.27E-03	4.02E-07	1.70E-07	1.30E-03	4.10E-07	1.74E-07	1.30E-03	4.09E-07	1.74E-07
1737	495461.06, 3858951.99	1.26E-03	3.99E-07	1.69E-07	1.29E-03	4.07E-07	1.73E-07	1.29E-03	4.06E-07	1.72E-07
1738	495511.06, 3858951.99	1.26E-03	3.97E-07	1.69E-07	1.28E-03	4.05E-07	1.72E-07	1.28E-03	4.05E-07	1.72E-07
1739	495561.06, 3858951.99	1.24E-03	3.90E-07	1.66E-07	1.26E-03	3.98E-07	1.69E-07	1.26E-03	3.98E-07	1.69E-07
1740	495611.06, 3858951.99	1.22E-03	3.86E-07	1.64E-07	1.25E-03	3.94E-07	1.67E-07	1.25E-03	3.93E-07	1.67E-07
1741	495661.06, 3858951.99	1.22E-03	3.84E-07	1.63E-07	1.24E-03	3.92E-07	1.66E-07	1.24E-03	3.92E-07	1.66E-07
1742	494311.06, 3859001.99	1.75E-03	5.52E-07	2.34E-07	1.78E-03	5.63E-07	2.39E-07	1.78E-03	5.63E-07	2.39E-07
1743	494361.06, 3859001.99	1.74E-03	5.50E-07	2.33E-07	1.78E-03	5.61E-07	2.38E-07	1.78E-03	5.60E-07	2.38E-07
1744	494411.06, 3859001.99	1.75E-03	5.51E-07	2.34E-07	1.78E-03	5.63E-07	2.39E-07	1.78E-03	5.62E-07	2.38E-07
1745	494461.06, 3859001.99	1.73E-03	5.47E-07	2.32E-07	1.77E-03	5.58E-07	2.37E-07	1.77E-03	5.58E-07	2.37E-07
1746	494511.06, 3859001.99	1.72E-03	5.43E-07	2.30E-07	1.76E-03	5.54E-07	2.35E-07	1.75E-03	5.53E-07	2.35E-07
1747	494561.06, 3859001.99	1.69E-03	5.33E-07	2.26E-07	1.72E-03	5.44E-07	2.31E-07	1.72E-03	5.43E-07	2.30E-07
1748	494611.06, 3859001.99	1.66E-03	5.23E-07	2.22E-07	1.69E-03	5.34E-07	2.27E-07	1.69E-03	5.33E-07	2.26E-07
1749	494661.06, 3859001.99	1.62E-03	5.12E-07	2.17E-07	1.66E-03	5.23E-07	2.22E-07	1.65E-03	5.22E-07	2.22E-07
1750	494711.06, 3859001.99	1.58E-03	5.00E-07	2.12E-07	1.61E-03	5.10E-07	2.16E-07	1.61E-03	5.09E-07	2.16E-07
1751	494761.06, 3859001.99	1.56E-03	4.92E-07	2.09E-07	1.59E-03	5.02E-07	2.13E-07	1.59E-03	5.01E-07	2.13E-07
1752	494811.06, 3859001.99	1.54E-03	4.86E-07	2.06E-07	1.57E-03	4.96E-07	2.11E-07	1.57E-03	4.96E-07	2.10E-07
1753	494861.06, 3859001.99	1.51E-03	4.78E-07	2.03E-07	1.54E-03	4.88E-07	2.07E-07	1.54E-03	4.87E-07	2.07E-07
1754	494911.06, 3859001.99	1.49E-03	4.69E-07	1.99E-07	1.52E-03	4.78E-07	2.03E-07	1.51E-03	4.78E-07	2.03E-07
1755	494961.06, 3859001.99	1.46E-03	4.60E-07	1.95E-07	1.49E-03	4.69E-07	1.99E-07	1.49E-03	4.69E-07	1.99E-07
1756	495011.06, 3859001.99	1.39E-03	4.39E-07	1.86E-07	1.42E-03	4.48E-07	1.90E-07	1.42E-03	4.47E-07	1.90E-07
1757	495061.06, 3859001.99	1.37E-03	4.34E-07	1.84E-07	1.40E-03	4.43E-07	1.88E-07	1.40E-03	4.42E-07	1.88E-07
1758	495111.06, 3859001.99	1.34E-03	4.24E-07	1.80E-07	1.37E-03	4.33E-07	1.84E-07	1.37E-03	4.33E-07	1.84E-07
1759	495161.06, 3859001.99	1.36E-03	4.29E-07	1.82E-07	1.39E-03	4.38E-07	1.86E-07	1.39E-03	4.37E-07	1.86E-07
1760	495211.06, 3859001.99	1.35E-03	4.26E-07	1.81E-07	1.38E-03	4.35E-07	1.84E-07	1.38E-03	4.34E-07	1.84E-07
1761	495261.06, 3859001.99	1.35E-03	4.25E-07	1.80E-07	1.37E-03	4.33E-07	1.84E-07	1.37E-03	4.33E-07	1.84E-07
1762	495311.06, 3859001.99	1.33E-03	4.21E-07	1.79E-07	1.36E-03	4.30E-07	1.82E-07	1.36E-03	4.29E-07	1.82E-07
1763	495361.06, 3859001.99	1.33E-03	4.20E-07	1.78E-07	1.36E-03	4.28E-07	1.82E-07	1.35E-03	4.28E-07	1.81E-07
1764	495411.06, 3859001.99	1.32E-03	4.17E-07	1.77E-07	1.35E-03	4.25E-07	1.81E-07	1.35E-03	4.25E-07	1.80E-07
1765	495461.06, 3859001.99	1.31E-03	4.15E-07	1.76E-07	1.34E-03	4.23E-07	1.80E-07	1.34E-03	4.23E-07	1.79E-07
1766	495511.06, 3859001.99	1.30E-03	4.09E-07	1.73E-07	1.32E-03	4.17E-07	1.77E-07	1.32E-03	4.17E-07	1.77E-07
1767	495561.06, 3859001.99	1.28E-03	4.05E-07	1.72E-07	1.31E-03	4.13E-07	1.75E-07	1.31E-03	4.13E-07	1.75E-07
1768	495611.06, 3859001.99	1.27E-03	4.01E-07	1.70E-07	1.30E-03	4.09E-07	1.73E-07	1.29E-03	4.08E-07	1.73E-07
1769	495661.06, 3859001.99	1.27E-03	4.01E-07	1.70E-07	1.30E-03	4.09E-07	1.74E-07	1.30E-03	4.09E-07	1.73E-07
1770	494311.06, 3859051.99	1.85E-03	5.83E-07	2.47E-07	1.89E-03	5.95E-07	2.53E-07	1.88E-03	5.95E-07	2.52E-07
1771	494361.06, 3859051.99	1.86E-03	5.86E-07	2.49E-07	1.90E-03	5.98E-07	2.54E-07	1.89E-03	5.98E-07	2.54E-07
1772	494411.06, 3859051.99	1.84E-03	5.80E-07	2.46E-07	1.88E-03	5.92E-07	2.51E-07	1.87E-03	5.91E-07	2.51E-07
1773	494461.06, 3859051.99	1.81E-03	5.73E-07	2.43E-07	1.85E-03	5.84E-07	2.48E-07	1.85E-03	5.84E-07	2.48E-07
1774	494511.06, 3859051.99	1.78E-03	5.63E-07	2.39E-07	1.82E-03	5.75E-07	2.44E-07	1.82E-03	5.74E-07	2.44E-07
1775	494561.06, 3859051.99	1.76E-03	5.55E-07	2.36E-07	1.80E-03	5.67E-07	2.40E-07	1.79E-03	5.66E-07	2.40E-07
1776	494611.06, 3859051.99	1.73E-03	5.45E-07	2.31E-07	1.76E-03	5.56E-07	2.36E-07	1.76E-03	5.55E-07	2.36E-07
1777	494661.06, 3859051.99	1.69E-03	5.34E-07	2.26E-07	1.73E-03	5.45E-07	2.31E-07	1.72E-03	5.44E-07	2.31E-07
1778	494711.06, 3859051.99	1.66E-03	5.24E-07	2.22E-07	1.69E-03	5.34E-07	2.27E-07	1.69E-03	5.34E-07	2.26E-07
1779	494761.06, 3859051.99	1.63E-03	5.13E-07	2.18E-07	1.66E-03	5.24E-07	2.22E-07	1.66E-03	5.23E-07	2.22E-07
1780	494811.06, 3859051.99	1.60E-03	5.06E-07	2.15E-07	1.64E-03	5.16E-07	2.19E-07	1.63E-03	5.15E-07	2.19E-07
1781	494861.06, 3859051.99	1.58E-03	4.98E-07	2.11E-07	1.61E-03	5.08E-07	2.16E-07	1.61E-03	5.08E-07	2.15E-07
1782	494911.06, 3859051.99	1.54E-03	4.87E-07	2.07E-07	1.57E-03	4.97E-07	2.11E-07	1.57E-03	4.96E-07	2.11E-07
1783	494961.06, 3859051.99	1.49E-03	4.71E-07	2.00E-07	1.52E-03	4.81E-07	2.04E-07	1.52E-03	4.80E-07	2.04E-07
1784	495011.06, 3859051.99	1.46E-03	4.60E-07	1.95E-07	1.49E-03	4.69E-07	1.99E-07	1.48E-03	4.68E-07	1.99E-07
1785	495061.06, 3859051.99	1.43E-03	4.52E-07	1.92E-07	1.46E-03	4.61E-07	1.95E-07	1.46E-03	4.60E-07	1.95E-07
1786	495111.06, 3859051.99	1.41E-03	4.46E-07	1.89E-07	1.44E-03	4.56E-07	1.93E-07	1.44E-03	4.55E-07	1.93E-07
1787	495161.06, 3859051.99	1.42E-03	4.48E-07	1.90E-07	1.45E-03	4.57E-07	1.94E-07	1.45E-03	4.57E-07	1.94E-07
1788	495211.06, 3859051.99	1.40E-03	4.42E-07	1.88E-07	1.43E-03	4.51E-07	1.91E-07	1.43E-03	4.51E-07	1.91E-07
1789	495261.06, 3859051.99	1.40E-03	4.42E-07	1.88E-07	1.43E-03	4.51E-07	1.91E-07	1.43E-03	4.51E-07	1.91E-07
1790	495311.06, 3859051.99	1.39E-03	4.38E-07	1.86E-07	1.42E-03	4.47E-07	1.90E-07	1.41E-03	4.46E-07	1.89E-07
1791	495361.06, 3859051.99	1.38E-03	4.35E-07	1.85E-07	1.41E-03	4.44E-07	1.88E-07	1.41E-03	4.44E-07	1.88E-07
1792	495411.06, 3859051.99	1.37E-03	4.34E-07	1.84E-07	1.40E-03	4.43E-07	1.88E-07	1.40E-03	4.42E-07	1.88E-07
1793	495461.06, 3859051.99	1.37E-03	4.32E-07	1.83E-07	1.40E-03	4.41E-07	1.87E-07	1.40E-03	4.40E-07	1.87E-07
1794	495511.06, 3859051.99	1.35E-03	4.26E-07	1.81E-07	1.38E-03	4.34E-07	1.84E-07	1.37E-03	4.34E-07	1.84E-07

1795	495561.06, 3859051.99	1.33E-03	4.20E-07	1.78E-07	1.36E-03	4.29E-07	1.82E-07	1.36E-03	4.28E-07	1.82E-07
1796	495611.06, 3859051.99	1.32E-03	4.16E-07	1.76E-07	1.34E-03	4.24E-07	1.80E-07	1.34E-03	4.24E-07	1.80E-07
1797	495661.06, 3859051.99	1.32E-03	4.16E-07	1.76E-07	1.34E-03	4.24E-07	1.80E-07	1.34E-03	4.24E-07	1.80E-07
1798	494311.06, 3859101.99	1.97E-03	6.22E-07	2.64E-07	2.01E-03	6.34E-07	2.69E-07	2.01E-03	6.34E-07	2.69E-07
1799	494361.06, 3859101.99	1.95E-03	6.15E-07	2.61E-07	1.99E-03	6.28E-07	2.66E-07	1.99E-03	6.27E-07	2.66E-07
1800	494411.06, 3859101.99	1.93E-03	6.10E-07	2.59E-07	1.97E-03	6.22E-07	2.64E-07	1.97E-03	6.22E-07	2.64E-07
1801	494461.06, 3859101.99	1.91E-03	6.01E-07	2.55E-07	1.94E-03	6.14E-07	2.60E-07	1.94E-03	6.13E-07	2.60E-07
1802	494511.06, 3859101.99	1.87E-03	5.89E-07	2.50E-07	1.91E-03	6.01E-07	2.55E-07	1.90E-03	6.01E-07	2.55E-07
1803	494561.06, 3859101.99	1.84E-03	5.80E-07	2.46E-07	1.87E-03	5.92E-07	2.51E-07	1.87E-03	5.91E-07	2.51E-07
1804	494611.06, 3859101.99	1.79E-03	5.66E-07	2.40E-07	1.83E-03	5.78E-07	2.45E-07	1.83E-03	5.77E-07	2.45E-07
1805	494661.06, 3859101.99	1.77E-03	5.57E-07	2.36E-07	1.80E-03	5.68E-07	2.41E-07	1.80E-03	5.68E-07	2.41E-07
1806	494711.06, 3859101.99	1.72E-03	5.42E-07	2.30E-07	1.75E-03	5.53E-07	2.35E-07	1.75E-03	5.53E-07	2.34E-07
1807	494761.06, 3859101.99	1.70E-03	5.37E-07	2.28E-07	1.74E-03	5.48E-07	2.33E-07	1.74E-03	5.48E-07	2.32E-07
1808	494811.06, 3859101.99	1.67E-03	5.27E-07	2.24E-07	1.71E-03	5.38E-07	2.28E-07	1.70E-03	5.38E-07	2.28E-07
1809	494861.06, 3859101.99	1.64E-03	5.19E-07	2.20E-07	1.68E-03	5.29E-07	2.25E-07	1.67E-03	5.29E-07	2.24E-07
1810	494911.06, 3859101.99	1.60E-03	5.06E-07	2.15E-07	1.64E-03	5.17E-07	2.19E-07	1.64E-03	5.16E-07	2.19E-07
1811	494961.06, 3859101.99	1.55E-03	4.89E-07	2.07E-07	1.58E-03	4.99E-07	2.12E-07	1.58E-03	4.98E-07	2.11E-07
1812	495011.06, 3859101.99	1.49E-03	4.72E-07	2.00E-07	1.52E-03	4.81E-07	2.04E-07	1.52E-03	4.81E-07	2.04E-07
1813	495061.06, 3859101.99	1.49E-03	4.70E-07	1.99E-07	1.52E-03	4.80E-07	2.03E-07	1.52E-03	4.79E-07	2.03E-07
1814	495111.06, 3859101.99	1.47E-03	4.64E-07	1.97E-07	1.50E-03	4.74E-07	2.01E-07	1.50E-03	4.73E-07	2.01E-07
1815	495161.06, 3859101.99	1.47E-03	4.65E-07	1.97E-07	1.50E-03	4.75E-07	2.02E-07	1.50E-03	4.74E-07	2.01E-07
1816	495211.06, 3859101.99	1.46E-03	4.60E-07	1.95E-07	1.49E-03	4.69E-07	1.99E-07	1.49E-03	4.69E-07	1.99E-07
1817	495261.06, 3859101.99	1.45E-03	4.58E-07	1.95E-07	1.48E-03	4.68E-07	1.99E-07	1.48E-03	4.67E-07	1.98E-07
1818	495311.06, 3859101.99	1.44E-03	4.54E-07	1.93E-07	1.47E-03	4.63E-07	1.97E-07	1.47E-03	4.63E-07	1.96E-07
1819	495361.06, 3859101.99	1.44E-03	4.54E-07	1.93E-07	1.47E-03	4.64E-07	1.97E-07	1.47E-03	4.63E-07	1.96E-07
1820	495411.06, 3859101.99	1.43E-03	4.52E-07	1.92E-07	1.46E-03	4.61E-07	1.96E-07	1.46E-03	4.60E-07	1.95E-07
1821	495461.06, 3859101.99	1.41E-03	4.45E-07	1.89E-07	1.44E-03	4.54E-07	1.92E-07	1.44E-03	4.53E-07	1.92E-07
1822	495511.06, 3859101.99	1.40E-03	4.41E-07	1.87E-07	1.43E-03	4.50E-07	1.91E-07	1.42E-03	4.49E-07	1.91E-07
1823	495561.06, 3859101.99	1.39E-03	4.38E-07	1.86E-07	1.42E-03	4.47E-07	1.90E-07	1.41E-03	4.46E-07	1.89E-07
1824	495611.06, 3859101.99	1.37E-03	4.32E-07	1.83E-07	1.40E-03	4.41E-07	1.87E-07	1.40E-03	4.40E-07	1.87E-07
1825	495661.06, 3859101.99	1.36E-03	4.30E-07	1.83E-07	1.39E-03	4.39E-07	1.86E-07	1.39E-03	4.39E-07	1.86E-07
1826	494311.06, 3859151.99	2.07E-03	6.54E-07	2.78E-07	2.11E-03	6.67E-07	2.83E-07	2.11E-03	6.67E-07	2.83E-07
1827	494361.06, 3859151.99	2.06E-03	6.49E-07	2.75E-07	2.10E-03	6.62E-07	2.81E-07	2.10E-03	6.62E-07	2.81E-07
1828	494411.06, 3859151.99	2.02E-03	6.38E-07	2.71E-07	2.06E-03	6.51E-07	2.76E-07	2.06E-03	6.50E-07	2.76E-07
1829	494461.06, 3859151.99	1.99E-03	6.27E-07	2.66E-07	2.03E-03	6.40E-07	2.72E-07	2.03E-03	6.39E-07	2.71E-07
1830	494511.06, 3859151.99	1.94E-03	6.13E-07	2.60E-07	1.98E-03	6.26E-07	2.66E-07	1.98E-03	6.25E-07	2.65E-07
1831	494561.06, 3859151.99	1.92E-03	6.05E-07	2.57E-07	1.96E-03	6.17E-07	2.62E-07	1.95E-03	6.16E-07	2.61E-07
1832	494611.06, 3859151.99	1.87E-03	5.91E-07	2.51E-07	1.91E-03	6.03E-07	2.56E-07	1.91E-03	6.03E-07	2.56E-07
1833	494661.06, 3859151.99	1.85E-03	5.82E-07	2.47E-07	1.88E-03	5.94E-07	2.52E-07	1.88E-03	5.94E-07	2.52E-07
1834	494711.06, 3859151.99	1.82E-03	5.75E-07	2.44E-07	1.86E-03	5.86E-07	2.49E-07	1.86E-03	5.86E-07	2.49E-07
1835	494761.06, 3859151.99	1.77E-03	5.60E-07	2.38E-07	1.81E-03	5.71E-07	2.42E-07	1.81E-03	5.71E-07	2.42E-07
1836	494811.06, 3859151.99	1.74E-03	5.48E-07	2.32E-07	1.77E-03	5.59E-07	2.37E-07	1.77E-03	5.58E-07	2.37E-07
1837	494861.06, 3859151.99	1.71E-03	5.39E-07	2.29E-07	1.74E-03	5.51E-07	2.34E-07	1.74E-03	5.50E-07	2.33E-07
1838	494911.06, 3859151.99	1.66E-03	5.25E-07	2.23E-07	1.70E-03	5.36E-07	2.27E-07	1.70E-03	5.35E-07	2.27E-07
1839	494961.06, 3859151.99	1.60E-03	5.05E-07	2.14E-07	1.63E-03	5.16E-07	2.19E-07	1.63E-03	5.15E-07	2.18E-07
1840	495011.06, 3859151.99	1.55E-03	4.90E-07	2.08E-07	1.59E-03	5.01E-07	2.12E-07	1.58E-03	5.00E-07	2.12E-07
1841	495061.06, 3859151.99	1.54E-03	4.87E-07	2.07E-07	1.58E-03	4.97E-07	2.11E-07	1.57E-03	4.97E-07	2.11E-07
1842	495111.06, 3859151.99	1.53E-03	4.83E-07	2.05E-07	1.56E-03	4.93E-07	2.09E-07	1.56E-03	4.92E-07	2.09E-07
1843	495161.06, 3859151.99	1.53E-03	4.84E-07	2.05E-07	1.57E-03	4.94E-07	2.10E-07	1.56E-03	4.93E-07	2.09E-07
1844	495211.06, 3859151.99	1.52E-03	4.80E-07	2.04E-07	1.55E-03	4.90E-07	2.08E-07	1.55E-03	4.89E-07	2.08E-07
1845	495261.06, 3859151.99	1.51E-03	4.76E-07	2.02E-07	1.54E-03	4.86E-07	2.06E-07	1.54E-03	4.86E-07	2.06E-07
1846	495311.06, 3859151.99	1.50E-03	4.73E-07	2.01E-07	1.53E-03	4.83E-07	2.05E-07	1.53E-03	4.82E-07	2.05E-07
1847	495361.06, 3859151.99	1.49E-03	4.70E-07	1.99E-07	1.52E-03	4.79E-07	2.03E-07	1.52E-03	4.79E-07	2.03E-07
1848	495411.06, 3859151.99	1.49E-03	4.70E-07	2.00E-07	1.52E-03	4.80E-07	2.04E-07	1.52E-03	4.80E-07	2.03E-07
1849	495461.06, 3859151.99	1.48E-03	4.67E-07	1.98E-07	1.51E-03	4.77E-07	2.02E-07	1.51E-03	4.76E-07	2.02E-07
1850	495511.06, 3859151.99	1.46E-03	4.60E-07	1.95E-07	1.49E-03	4.70E-07	1.99E-07	1.49E-03	4.69E-07	1.99E-07
1851	495561.06, 3859151.99	1.44E-03	4.55E-07	1.93E-07	1.47E-03	4.64E-07	1.97E-07	1.47E-03	4.64E-07	1.97E-07
1852	495611.06, 3859151.99	1.43E-03	4.50E-07	1.91E-07	1.46E-03	4.60E-07	1.95E-07	1.45E-03	4.59E-07	1.95E-07
1853	495661.06, 3859151.99	1.41E-03	4.46E-07	1.89E-07	1.44E-03	4.55E-07	1.93E-07	1.44E-03	4.55E-07	1.93E-07
1854	494311.06, 3859201.99	2.18E-03	6.87E-07	2.92E-07	2.22E-03	7.01E-07	2.98E-07	2.22E-03	7.01E-07	2.97E-07
1855	494361.06, 3859201.99	2.15E-03	6.79E-07	2.88E-07	2.20E-03	6.93E-07	2.94E-07	2.19E-03	6.92E-07	2.94E-07
1856	494411.06, 3859201.99	2.12E-03	6.69E-07	2.84E-07	2.16E-03	6.83E-07	2.90E-07	2.16E-03	6.82E-07	2.89E-07

1857	494461.06, 3859201.99	2.07E-03	6.54E-07	2.78E-07	2.12E-03	6.68E-07	2.83E-07	2.11E-03	6.67E-07	2.83E-07
1858	494511.06, 3859201.99	2.04E-03	6.44E-07	2.73E-07	2.08E-03	6.58E-07	2.79E-07	2.08E-03	6.57E-07	2.79E-07
1859	494561.06, 3859201.99	1.99E-03	6.29E-07	2.67E-07	2.03E-03	6.42E-07	2.72E-07	2.03E-03	6.41E-07	2.72E-07
1860	494611.06, 3859201.99	1.95E-03	6.17E-07	2.62E-07	1.99E-03	6.29E-07	2.67E-07	1.99E-03	6.29E-07	2.67E-07
1861	494661.06, 3859201.99	1.92E-03	6.07E-07	2.58E-07	1.96E-03	6.20E-07	2.63E-07	1.96E-03	6.19E-07	2.63E-07
1862	494711.06, 3859201.99	1.89E-03	5.97E-07	2.53E-07	1.93E-03	6.10E-07	2.59E-07	1.93E-03	6.09E-07	2.58E-07
1863	494761.06, 3859201.99	1.85E-03	5.83E-07	2.47E-07	1.88E-03	5.95E-07	2.52E-07	1.88E-03	5.94E-07	2.52E-07
1864	494811.06, 3859201.99	1.81E-03	5.70E-07	2.42E-07	1.84E-03	5.82E-07	2.47E-07	1.84E-03	5.81E-07	2.47E-07
1865	494861.06, 3859201.99	1.76E-03	5.55E-07	2.35E-07	1.79E-03	5.66E-07	2.40E-07	1.79E-03	5.66E-07	2.40E-07
1866	494911.06, 3859201.99	1.71E-03	5.40E-07	2.29E-07	1.75E-03	5.51E-07	2.34E-07	1.75E-03	5.51E-07	2.34E-07
1867	494961.06, 3859201.99	1.66E-03	5.24E-07	2.22E-07	1.69E-03	5.34E-07	2.27E-07	1.69E-03	5.34E-07	2.27E-07
1868	495011.06, 3859201.99	1.59E-03	5.03E-07	2.13E-07	1.63E-03	5.13E-07	2.18E-07	1.62E-03	5.13E-07	2.17E-07
1869	495061.06, 3859201.99	1.61E-03	5.08E-07	2.15E-07	1.64E-03	5.18E-07	2.20E-07	1.64E-03	5.18E-07	2.20E-07
1870	495111.06, 3859201.99	1.60E-03	5.06E-07	2.14E-07	1.63E-03	5.16E-07	2.19E-07	1.63E-03	5.15E-07	2.19E-07
1871	495161.06, 3859201.99	1.59E-03	5.02E-07	2.13E-07	1.62E-03	5.13E-07	2.18E-07	1.62E-03	5.12E-07	2.17E-07
1872	495211.06, 3859201.99	1.57E-03	4.97E-07	2.11E-07	1.61E-03	5.07E-07	2.15E-07	1.60E-03	5.06E-07	2.15E-07
1873	495261.06, 3859201.99	1.57E-03	4.95E-07	2.10E-07	1.60E-03	5.05E-07	2.14E-07	1.60E-03	5.04E-07	2.14E-07
1874	495311.06, 3859201.99	1.56E-03	4.91E-07	2.08E-07	1.59E-03	5.01E-07	2.13E-07	1.59E-03	5.01E-07	2.12E-07
1875	495361.06, 3859201.99	1.55E-03	4.89E-07	2.07E-07	1.58E-03	4.99E-07	2.12E-07	1.58E-03	4.98E-07	2.11E-07
1876	495411.06, 3859201.99	1.55E-03	4.88E-07	2.07E-07	1.58E-03	4.98E-07	2.11E-07	1.58E-03	4.98E-07	2.11E-07
1877	495461.06, 3859201.99	1.53E-03	4.84E-07	2.05E-07	1.56E-03	4.94E-07	2.10E-07	1.56E-03	4.93E-07	2.09E-07
1878	495511.06, 3859201.99	1.52E-03	4.80E-07	2.04E-07	1.55E-03	4.89E-07	2.08E-07	1.55E-03	4.89E-07	2.07E-07
1879	495561.06, 3859201.99	1.50E-03	4.72E-07	2.00E-07	1.53E-03	4.82E-07	2.04E-07	1.52E-03	4.81E-07	2.04E-07
1880	495611.06, 3859201.99	1.48E-03	4.66E-07	1.98E-07	1.51E-03	4.76E-07	2.02E-07	1.51E-03	4.75E-07	2.02E-07
1881	495661.06, 3859201.99	1.46E-03	4.62E-07	1.96E-07	1.49E-03	4.71E-07	2.00E-07	1.49E-03	4.71E-07	2.00E-07
1882	494311.06, 3859251.99	2.29E-03	7.23E-07	3.07E-07	2.34E-03	7.37E-07	3.13E-07	2.33E-03	7.37E-07	3.13E-07
1883	494361.06, 3859251.99	2.25E-03	7.10E-07	3.01E-07	2.30E-03	7.25E-07	3.07E-07	2.29E-03	7.24E-07	3.07E-07
1884	494411.06, 3859251.99	2.20E-03	6.94E-07	2.94E-07	2.24E-03	7.08E-07	3.00E-07	2.24E-03	7.07E-07	3.00E-07
1885	494461.06, 3859251.99	2.16E-03	6.83E-07	2.90E-07	2.21E-03	6.97E-07	2.96E-07	2.20E-03	6.96E-07	2.95E-07
1886	494511.06, 3859251.99	2.11E-03	6.66E-07	2.83E-07	2.15E-03	6.79E-07	2.88E-07	2.15E-03	6.79E-07	2.88E-07
1887	494561.06, 3859251.99	2.07E-03	6.55E-07	2.78E-07	2.12E-03	6.68E-07	2.83E-07	2.11E-03	6.67E-07	2.83E-07
1888	494611.06, 3859251.99	2.03E-03	6.40E-07	2.72E-07	2.07E-03	6.54E-07	2.77E-07	2.07E-03	6.53E-07	2.77E-07
1889	494661.06, 3859251.99	2.00E-03	6.32E-07	2.68E-07	2.04E-03	6.45E-07	2.74E-07	2.04E-03	6.44E-07	2.73E-07
1890	494711.06, 3859251.99	1.97E-03	6.22E-07	2.64E-07	2.01E-03	6.34E-07	2.69E-07	2.01E-03	6.34E-07	2.69E-07
1891	494761.06, 3859251.99	1.89E-03	5.96E-07	2.53E-07	1.93E-03	6.08E-07	2.58E-07	1.93E-03	6.08E-07	2.58E-07
1892	494811.06, 3859251.99	1.88E-03	5.93E-07	2.52E-07	1.92E-03	6.05E-07	2.57E-07	1.92E-03	6.05E-07	2.57E-07
1893	494861.06, 3859251.99	1.81E-03	5.70E-07	2.42E-07	1.84E-03	5.82E-07	2.47E-07	1.84E-03	5.81E-07	2.47E-07
1894	494911.06, 3859251.99	1.76E-03	5.56E-07	2.36E-07	1.80E-03	5.67E-07	2.41E-07	1.79E-03	5.66E-07	2.40E-07
1895	494961.06, 3859251.99	1.73E-03	5.46E-07	2.32E-07	1.76E-03	5.57E-07	2.36E-07	1.76E-03	5.56E-07	2.36E-07
1896	495011.06, 3859251.99	1.69E-03	5.35E-07	2.27E-07	1.73E-03	5.45E-07	2.31E-07	1.73E-03	5.45E-07	2.31E-07
1897	495061.06, 3859251.99	1.69E-03	5.33E-07	2.26E-07	1.72E-03	5.44E-07	2.31E-07	1.72E-03	5.43E-07	2.30E-07
1898	495111.06, 3859251.99	1.67E-03	5.27E-07	2.24E-07	1.70E-03	5.38E-07	2.28E-07	1.70E-03	5.37E-07	2.28E-07
1899	495161.06, 3859251.99	1.66E-03	5.24E-07	2.22E-07	1.69E-03	5.34E-07	2.27E-07	1.69E-03	5.34E-07	2.26E-07
1900	495211.06, 3859251.99	1.64E-03	5.18E-07	2.20E-07	1.67E-03	5.28E-07	2.24E-07	1.67E-03	5.27E-07	2.24E-07
1901	495261.06, 3859251.99	1.62E-03	5.12E-07	2.17E-07	1.66E-03	5.23E-07	2.22E-07	1.65E-03	5.22E-07	2.21E-07
1902	495311.06, 3859251.99	1.62E-03	5.12E-07	2.17E-07	1.66E-03	5.23E-07	2.22E-07	1.65E-03	5.22E-07	2.21E-07
1903	495361.06, 3859251.99	1.61E-03	5.08E-07	2.16E-07	1.64E-03	5.18E-07	2.20E-07	1.64E-03	5.18E-07	2.20E-07
1904	495411.06, 3859251.99	1.61E-03	5.07E-07	2.15E-07	1.64E-03	5.17E-07	2.19E-07	1.64E-03	5.17E-07	2.19E-07
1905	495461.06, 3859251.99	1.59E-03	5.02E-07	2.13E-07	1.62E-03	5.13E-07	2.18E-07	1.62E-03	5.12E-07	2.17E-07
1906	495511.06, 3859251.99	1.57E-03	4.94E-07	2.10E-07	1.60E-03	5.04E-07	2.14E-07	1.60E-03	5.04E-07	2.14E-07
1907	495561.06, 3859251.99	1.55E-03	4.89E-07	2.07E-07	1.58E-03	4.99E-07	2.12E-07	1.58E-03	4.98E-07	2.11E-07
1908	495611.06, 3859251.99	1.53E-03	4.82E-07	2.04E-07	1.56E-03	4.91E-07	2.09E-07	1.56E-03	4.91E-07	2.08E-07
1909	495661.06, 3859251.99	1.51E-03	4.76E-07	2.02E-07	1.54E-03	4.86E-07	2.06E-07	1.54E-03	4.86E-07	2.06E-07
1910	494311.06, 3859301.99	2.40E-03	7.58E-07	3.22E-07	2.45E-03	7.73E-07	3.28E-07	2.45E-03	7.73E-07	3.28E-07
1911	494361.06, 3859301.99	2.36E-03	7.44E-07	3.15E-07	2.40E-03	7.59E-07	3.22E-07	2.40E-03	7.58E-07	3.22E-07
1912	494411.06, 3859301.99	2.30E-03	7.26E-07	3.08E-07	2.35E-03	7.41E-07	3.14E-07	2.34E-03	7.40E-07	3.14E-07
1913	494461.06, 3859301.99	2.24E-03	7.08E-07	3.01E-07	2.29E-03	7.23E-07	3.07E-07	2.29E-03	7.22E-07	3.06E-07
1914	494511.06, 3859301.99	2.20E-03	6.94E-07	2.94E-07	2.24E-03	7.08E-07	3.00E-07	2.24E-03	7.07E-07	3.00E-07
1915	494561.06, 3859301.99	2.16E-03	6.82E-07	2.89E-07	2.20E-03	6.95E-07	2.95E-07	2.20E-03	6.95E-07	2.95E-07
1916	494611.06, 3859301.99	2.12E-03	6.68E-07	2.84E-07	2.16E-03	6.82E-07	2.89E-07	2.16E-03	6.81E-07	2.89E-07
1917	494661.06, 3859301.99	2.08E-03	6.56E-07	2.78E-07	2.12E-03	6.70E-07	2.84E-07	2.12E-03	6.69E-07	2.84E-07
1918	494711.06, 3859301.99	2.03E-03	6.42E-07	2.72E-07	2.07E-03	6.55E-07	2.78E-07	2.07E-03	6.54E-07	2.77E-07

1919	494761.06, 3859301.99	1.99E-03	6.29E-07	2.67E-07	2.03E-03	6.42E-07	2.72E-07	2.03E-03	6.41E-07	2.72E-07
1920	494811.06, 3859301.99	1.94E-03	6.12E-07	2.60E-07	1.98E-03	6.25E-07	2.65E-07	1.98E-03	6.24E-07	2.65E-07
1921	494861.06, 3859301.99	1.87E-03	5.90E-07	2.51E-07	1.91E-03	6.03E-07	2.56E-07	1.91E-03	6.02E-07	2.55E-07
1922	494911.06, 3859301.99	1.83E-03	5.79E-07	2.46E-07	1.87E-03	5.91E-07	2.51E-07	1.87E-03	5.90E-07	2.50E-07
1923	494961.06, 3859301.99	1.77E-03	5.58E-07	2.37E-07	1.80E-03	5.69E-07	2.41E-07	1.80E-03	5.68E-07	2.41E-07
1924	495011.06, 3859301.99	1.74E-03	5.49E-07	2.33E-07	1.78E-03	5.60E-07	2.38E-07	1.77E-03	5.60E-07	2.37E-07
1925	495061.06, 3859301.99	1.75E-03	5.53E-07	2.35E-07	1.79E-03	5.64E-07	2.39E-07	1.79E-03	5.64E-07	2.39E-07
1926	495111.06, 3859301.99	1.72E-03	5.43E-07	2.30E-07	1.76E-03	5.54E-07	2.35E-07	1.75E-03	5.53E-07	2.35E-07
1927	495161.06, 3859301.99	1.71E-03	5.40E-07	2.29E-07	1.75E-03	5.51E-07	2.34E-07	1.74E-03	5.51E-07	2.34E-07
1928	495211.06, 3859301.99	1.71E-03	5.40E-07	2.29E-07	1.75E-03	5.51E-07	2.34E-07	1.74E-03	5.50E-07	2.34E-07
1929	495261.06, 3859301.99	1.70E-03	5.37E-07	2.28E-07	1.74E-03	5.48E-07	2.33E-07	1.73E-03	5.48E-07	2.32E-07
1930	495311.06, 3859301.99	1.68E-03	5.29E-07	2.25E-07	1.71E-03	5.40E-07	2.29E-07	1.71E-03	5.39E-07	2.29E-07
1931	495361.06, 3859301.99	1.67E-03	5.27E-07	2.24E-07	1.70E-03	5.38E-07	2.28E-07	1.70E-03	5.37E-07	2.28E-07
1932	495411.06, 3859301.99	1.66E-03	5.24E-07	2.22E-07	1.69E-03	5.34E-07	2.27E-07	1.69E-03	5.34E-07	2.26E-07
1933	495461.06, 3859301.99	1.65E-03	5.20E-07	2.21E-07	1.68E-03	5.31E-07	2.25E-07	1.68E-03	5.30E-07	2.25E-07
1934	495511.06, 3859301.99	1.63E-03	5.13E-07	2.18E-07	1.66E-03	5.23E-07	2.22E-07	1.66E-03	5.23E-07	2.22E-07
1935	495561.06, 3859301.99	1.59E-03	5.02E-07	2.13E-07	1.62E-03	5.13E-07	2.18E-07	1.62E-03	5.12E-07	2.17E-07
1936	495611.06, 3859301.99	1.57E-03	4.97E-07	2.11E-07	1.61E-03	5.07E-07	2.15E-07	1.60E-03	5.06E-07	2.15E-07
1937	495661.06, 3859301.99	1.56E-03	4.91E-07	2.08E-07	1.59E-03	5.01E-07	2.13E-07	1.59E-03	5.01E-07	2.12E-07
1938	494311.06, 3859351.99	2.50E-03	7.90E-07	3.35E-07	2.55E-03	8.06E-07	3.42E-07	2.55E-03	8.05E-07	3.42E-07
1939	494361.06, 3859351.99	2.45E-03	7.74E-07	3.28E-07	2.50E-03	7.90E-07	3.35E-07	2.50E-03	7.89E-07	3.35E-07
1940	494411.06, 3859351.99	2.39E-03	7.53E-07	3.20E-07	2.44E-03	7.69E-07	3.26E-07	2.43E-03	7.68E-07	3.26E-07
1941	494461.06, 3859351.99	2.33E-03	7.36E-07	3.12E-07	2.38E-03	7.51E-07	3.19E-07	2.38E-03	7.50E-07	3.18E-07
1942	494511.06, 3859351.99	2.28E-03	7.20E-07	3.06E-07	2.33E-03	7.35E-07	3.12E-07	2.33E-03	7.34E-07	3.12E-07
1943	494561.06, 3859351.99	2.25E-03	7.09E-07	3.01E-07	2.29E-03	7.23E-07	3.07E-07	2.29E-03	7.22E-07	3.06E-07
1944	494611.06, 3859351.99	2.20E-03	6.95E-07	2.95E-07	2.25E-03	7.10E-07	3.01E-07	2.25E-03	7.09E-07	3.01E-07
1945	494661.06, 3859351.99	2.16E-03	6.82E-07	2.89E-07	2.20E-03	6.96E-07	2.95E-07	2.20E-03	6.95E-07	2.95E-07
1946	494711.06, 3859351.99	2.11E-03	6.65E-07	2.82E-07	2.15E-03	6.79E-07	2.88E-07	2.15E-03	6.78E-07	2.88E-07
1947	494761.06, 3859351.99	2.04E-03	6.43E-07	2.73E-07	2.08E-03	6.56E-07	2.78E-07	2.08E-03	6.55E-07	2.78E-07
1948	494811.06, 3859351.99	1.97E-03	6.21E-07	2.64E-07	2.01E-03	6.34E-07	2.69E-07	2.01E-03	6.33E-07	2.69E-07
1949	494861.06, 3859351.99	1.93E-03	6.10E-07	2.59E-07	1.97E-03	6.23E-07	2.64E-07	1.97E-03	6.22E-07	2.64E-07
1950	494911.06, 3859351.99	1.91E-03	6.03E-07	2.56E-07	1.95E-03	6.15E-07	2.61E-07	1.95E-03	6.14E-07	2.61E-07
1951	494961.06, 3859351.99	1.87E-03	5.91E-07	2.51E-07	1.91E-03	6.03E-07	2.56E-07	1.91E-03	6.02E-07	2.56E-07
1952	495011.06, 3859351.99	1.84E-03	5.82E-07	2.47E-07	1.88E-03	5.94E-07	2.52E-07	1.88E-03	5.93E-07	2.52E-07
1953	495061.06, 3859351.99	1.85E-03	5.84E-07	2.48E-07	1.89E-03	5.95E-07	2.53E-07	1.88E-03	5.95E-07	2.52E-07
1954	495111.06, 3859351.99	1.82E-03	5.74E-07	2.44E-07	1.86E-03	5.86E-07	2.49E-07	1.85E-03	5.85E-07	2.48E-07
1955	495161.06, 3859351.99	1.80E-03	5.69E-07	2.41E-07	1.84E-03	5.80E-07	2.46E-07	1.84E-03	5.79E-07	2.46E-07
1956	495211.06, 3859351.99	1.78E-03	5.63E-07	2.39E-07	1.82E-03	5.74E-07	2.44E-07	1.82E-03	5.73E-07	2.43E-07
1957	495261.06, 3859351.99	1.77E-03	5.59E-07	2.37E-07	1.81E-03	5.71E-07	2.42E-07	1.81E-03	5.70E-07	2.42E-07
1958	495311.06, 3859351.99	1.75E-03	5.51E-07	2.34E-07	1.78E-03	5.63E-07	2.39E-07	1.78E-03	5.62E-07	2.38E-07
1959	495361.06, 3859351.99	1.73E-03	5.46E-07	2.32E-07	1.77E-03	5.57E-07	2.36E-07	1.76E-03	5.56E-07	2.36E-07
1960	495411.06, 3859351.99	1.72E-03	5.42E-07	2.30E-07	1.75E-03	5.54E-07	2.35E-07	1.75E-03	5.53E-07	2.35E-07
1961	495461.06, 3859351.99	1.71E-03	5.40E-07	2.29E-07	1.75E-03	5.51E-07	2.34E-07	1.74E-03	5.50E-07	2.34E-07
1962	495511.06, 3859351.99	1.68E-03	5.30E-07	2.25E-07	1.71E-03	5.41E-07	2.30E-07	1.71E-03	5.40E-07	2.29E-07
1963	495561.06, 3859351.99	1.66E-03	5.22E-07	2.22E-07	1.69E-03	5.33E-07	2.26E-07	1.69E-03	5.33E-07	2.26E-07
1964	495611.06, 3859351.99	1.64E-03	5.17E-07	2.19E-07	1.67E-03	5.27E-07	2.24E-07	1.67E-03	5.26E-07	2.23E-07
1965	495661.06, 3859351.99	1.61E-03	5.07E-07	2.15E-07	1.64E-03	5.17E-07	2.20E-07	1.64E-03	5.17E-07	2.19E-07
1966	494311.06, 3859401.99	2.62E-03	8.27E-07	3.51E-07	2.67E-03	8.44E-07	3.58E-07	2.67E-03	8.43E-07	3.58E-07
1967	494361.06, 3859401.99	2.55E-03	8.04E-07	3.41E-07	2.60E-03	8.21E-07	3.48E-07	2.60E-03	8.20E-07	3.48E-07
1968	494411.06, 3859401.99	2.48E-03	7.81E-07	3.32E-07	2.53E-03	7.97E-07	3.38E-07	2.52E-03	7.97E-07	3.38E-07
1969	494461.06, 3859401.99	2.42E-03	7.64E-07	3.24E-07	2.47E-03	7.80E-07	3.31E-07	2.47E-03	7.79E-07	3.31E-07
1970	494511.06, 3859401.99	2.38E-03	7.52E-07	3.19E-07	2.43E-03	7.68E-07	3.26E-07	2.43E-03	7.67E-07	3.25E-07
1971	494561.06, 3859401.99	2.34E-03	7.39E-07	3.13E-07	2.39E-03	7.54E-07	3.20E-07	2.39E-03	7.53E-07	3.19E-07
1972	494611.06, 3859401.99	2.29E-03	7.23E-07	3.07E-07	2.34E-03	7.37E-07	3.13E-07	2.33E-03	7.37E-07	3.12E-07
1973	494661.06, 3859401.99	2.25E-03	7.11E-07	3.02E-07	2.30E-03	7.25E-07	3.08E-07	2.29E-03	7.24E-07	3.07E-07
1974	494711.06, 3859401.99	2.21E-03	6.97E-07	2.96E-07	2.25E-03	7.11E-07	3.02E-07	2.25E-03	7.10E-07	3.01E-07
1975	494761.06, 3859401.99	2.12E-03	6.70E-07	2.84E-07	2.17E-03	6.84E-07	2.90E-07	2.16E-03	6.83E-07	2.90E-07
1976	494811.06, 3859401.99	2.08E-03	6.57E-07	2.79E-07	2.12E-03	6.70E-07	2.84E-07	2.12E-03	6.69E-07	2.84E-07
1977	494861.06, 3859401.99	2.02E-03	6.37E-07	2.70E-07	2.06E-03	6.50E-07	2.76E-07	2.06E-03	6.49E-07	2.75E-07
1978	494911.06, 3859401.99	1.97E-03	6.22E-07	2.64E-07	2.01E-03	6.35E-07	2.69E-07	2.01E-03	6.34E-07	2.69E-07
1979	494961.06, 3859401.99	1.95E-03	6.16E-07	2.61E-07	1.99E-03	6.28E-07	2.67E-07	1.99E-03	6.27E-07	2.66E-07
1980	495011.06, 3859401.99	1.93E-03	6.09E-07	2.59E-07	1.97E-03	6.22E-07	2.64E-07	1.97E-03	6.21E-07	2.64E-07

1981	495061.06, 3859401.99	1.91E-03	6.02E-07	2.55E-07	1.95E-03	6.14E-07	2.61E-07	1.94E-03	6.13E-07	2.60E-07
1982	495111.06, 3859401.99	1.87E-03	5.92E-07	2.51E-07	1.91E-03	6.04E-07	2.56E-07	1.91E-03	6.03E-07	2.56E-07
1983	495161.06, 3859401.99	1.87E-03	5.89E-07	2.50E-07	1.90E-03	6.01E-07	2.55E-07	1.90E-03	6.00E-07	2.55E-07
1984	495211.06, 3859401.99	1.86E-03	5.86E-07	2.49E-07	1.89E-03	5.98E-07	2.54E-07	1.89E-03	5.97E-07	2.53E-07
1985	495261.06, 3859401.99	1.84E-03	5.80E-07	2.46E-07	1.87E-03	5.91E-07	2.51E-07	1.87E-03	5.91E-07	2.51E-07
1986	495311.06, 3859401.99	1.82E-03	5.73E-07	2.43E-07	1.85E-03	5.85E-07	2.48E-07	1.85E-03	5.84E-07	2.48E-07
1987	495361.06, 3859401.99	1.81E-03	5.70E-07	2.42E-07	1.84E-03	5.82E-07	2.47E-07	1.84E-03	5.81E-07	2.47E-07
1988	495411.06, 3859401.99	1.79E-03	5.66E-07	2.40E-07	1.83E-03	5.77E-07	2.45E-07	1.83E-03	5.76E-07	2.45E-07
1989	495461.06, 3859401.99	1.77E-03	5.58E-07	2.37E-07	1.80E-03	5.69E-07	2.42E-07	1.80E-03	5.69E-07	2.41E-07
1990	495511.06, 3859401.99	1.74E-03	5.48E-07	2.32E-07	1.77E-03	5.59E-07	2.37E-07	1.77E-03	5.58E-07	2.37E-07
1991	495561.06, 3859401.99	1.70E-03	5.37E-07	2.28E-07	1.73E-03	5.48E-07	2.32E-07	1.73E-03	5.47E-07	2.32E-07
1992	495611.06, 3859401.99	1.68E-03	5.30E-07	2.25E-07	1.71E-03	5.41E-07	2.29E-07	1.71E-03	5.40E-07	2.29E-07
1993	495661.06, 3859401.99	1.66E-03	5.24E-07	2.22E-07	1.69E-03	5.34E-07	2.27E-07	1.69E-03	5.34E-07	2.26E-07
1994	494311.06, 3859451.99	2.71E-03	8.56E-07	3.63E-07	2.77E-03	8.73E-07	3.71E-07	2.76E-03	8.72E-07	3.70E-07
1995	494361.06, 3859451.99	2.64E-03	8.34E-07	3.54E-07	2.70E-03	8.51E-07	3.61E-07	2.69E-03	8.50E-07	3.61E-07
1996	494411.06, 3859451.99	2.55E-03	8.05E-07	3.41E-07	2.60E-03	8.21E-07	3.48E-07	2.60E-03	8.20E-07	3.48E-07
1997	494461.06, 3859451.99	2.51E-03	7.94E-07	3.37E-07	2.57E-03	8.10E-07	3.44E-07	2.56E-03	8.09E-07	3.43E-07
1998	494511.06, 3859451.99	2.46E-03	7.76E-07	3.29E-07	2.51E-03	7.92E-07	3.36E-07	2.51E-03	7.91E-07	3.36E-07
1999	494561.06, 3859451.99	2.41E-03	7.62E-07	3.23E-07	2.46E-03	7.78E-07	3.30E-07	2.46E-03	7.77E-07	3.30E-07
2000	494611.06, 3859451.99	2.39E-03	7.53E-07	3.19E-07	2.43E-03	7.68E-07	3.26E-07	2.43E-03	7.67E-07	3.26E-07
2001	494661.06, 3859451.99	2.33E-03	7.36E-07	3.12E-07	2.38E-03	7.51E-07	3.18E-07	2.38E-03	7.50E-07	3.18E-07
2002	494711.06, 3859451.99	2.28E-03	7.19E-07	3.05E-07	2.32E-03	7.33E-07	3.11E-07	2.32E-03	7.33E-07	3.11E-07
2003	494761.06, 3859451.99	2.23E-03	7.04E-07	2.99E-07	2.28E-03	7.19E-07	3.05E-07	2.27E-03	7.18E-07	3.05E-07
2004	494811.06, 3859451.99	2.17E-03	6.84E-07	2.90E-07	2.21E-03	6.98E-07	2.96E-07	2.21E-03	6.98E-07	2.96E-07
2005	494861.06, 3859451.99	2.12E-03	6.68E-07	2.84E-07	2.16E-03	6.82E-07	2.89E-07	2.16E-03	6.81E-07	2.89E-07
2006	494911.06, 3859451.99	2.08E-03	6.56E-07	2.78E-07	2.12E-03	6.69E-07	2.84E-07	2.12E-03	6.68E-07	2.84E-07
2007	494961.06, 3859451.99	2.05E-03	6.48E-07	2.75E-07	2.09E-03	6.61E-07	2.80E-07	2.09E-03	6.60E-07	2.80E-07
2008	495011.06, 3859451.99	2.02E-03	6.38E-07	2.71E-07	2.06E-03	6.51E-07	2.76E-07	2.06E-03	6.50E-07	2.76E-07
2009	495061.06, 3859451.99	1.99E-03	6.29E-07	2.67E-07	2.03E-03	6.41E-07	2.72E-07	2.03E-03	6.41E-07	2.72E-07
2010	495111.06, 3859451.99	1.96E-03	6.19E-07	2.63E-07	2.00E-03	6.32E-07	2.68E-07	2.00E-03	6.31E-07	2.68E-07
2011	495161.06, 3859451.99	1.94E-03	6.14E-07	2.60E-07	1.98E-03	6.26E-07	2.66E-07	1.98E-03	6.25E-07	2.65E-07
2012	495211.06, 3859451.99	1.93E-03	6.09E-07	2.59E-07	1.97E-03	6.22E-07	2.64E-07	1.97E-03	6.21E-07	2.64E-07
2013	495261.06, 3859451.99	1.92E-03	6.05E-07	2.57E-07	1.96E-03	6.17E-07	2.62E-07	1.95E-03	6.16E-07	2.61E-07
2014	495311.06, 3859451.99	1.89E-03	5.97E-07	2.53E-07	1.93E-03	6.09E-07	2.59E-07	1.93E-03	6.09E-07	2.58E-07
2015	495361.06, 3859451.99	1.87E-03	5.91E-07	2.51E-07	1.91E-03	6.03E-07	2.56E-07	1.91E-03	6.02E-07	2.56E-07
2016	495411.06, 3859451.99	1.85E-03	5.83E-07	2.47E-07	1.89E-03	5.95E-07	2.53E-07	1.88E-03	5.95E-07	2.52E-07
2017	495461.06, 3859451.99	1.83E-03	5.77E-07	2.45E-07	1.87E-03	5.89E-07	2.50E-07	1.86E-03	5.88E-07	2.50E-07
2018	495511.06, 3859451.99	1.79E-03	5.65E-07	2.40E-07	1.83E-03	5.77E-07	2.45E-07	1.82E-03	5.76E-07	2.44E-07
2019	495561.06, 3859451.99	1.76E-03	5.57E-07	2.36E-07	1.80E-03	5.68E-07	2.41E-07	1.80E-03	5.67E-07	2.41E-07
2020	495611.06, 3859451.99	1.74E-03	5.49E-07	2.33E-07	1.77E-03	5.60E-07	2.38E-07	1.77E-03	5.60E-07	2.37E-07
2021	495661.06, 3859451.99	1.72E-03	5.42E-07	2.30E-07	1.75E-03	5.53E-07	2.35E-07	1.75E-03	5.52E-07	2.34E-07
2022	494311.06, 3859501.99	2.82E-03	8.89E-07	3.77E-07	2.87E-03	9.07E-07	3.85E-07	2.87E-03	9.06E-07	3.84E-07
2023	494361.06, 3859501.99	2.74E-03	8.65E-07	3.67E-07	2.80E-03	8.83E-07	3.75E-07	2.79E-03	8.82E-07	3.74E-07
2024	494411.06, 3859501.99	2.62E-03	8.28E-07	3.51E-07	2.68E-03	8.45E-07	3.59E-07	2.67E-03	8.44E-07	3.58E-07
2025	494461.06, 3859501.99	2.61E-03	8.25E-07	3.50E-07	2.67E-03	8.42E-07	3.57E-07	2.66E-03	8.41E-07	3.57E-07
2026	494511.06, 3859501.99	2.55E-03	8.04E-07	3.41E-07	2.60E-03	8.21E-07	3.48E-07	2.60E-03	8.20E-07	3.48E-07
2027	494561.06, 3859501.99	2.49E-03	7.87E-07	3.34E-07	2.55E-03	8.03E-07	3.41E-07	2.54E-03	8.02E-07	3.40E-07
2028	494611.06, 3859501.99	2.49E-03	7.85E-07	3.33E-07	2.54E-03	8.01E-07	3.40E-07	2.54E-03	8.00E-07	3.39E-07
2029	494661.06, 3859501.99	2.42E-03	7.64E-07	3.24E-07	2.47E-03	7.80E-07	3.31E-07	2.47E-03	7.79E-07	3.30E-07
2030	494711.06, 3859501.99	2.35E-03	7.40E-07	3.14E-07	2.39E-03	7.55E-07	3.21E-07	2.39E-03	7.55E-07	3.20E-07
2031	494761.06, 3859501.99	2.32E-03	7.34E-07	3.11E-07	2.37E-03	7.49E-07	3.18E-07	2.37E-03	7.48E-07	3.17E-07
2032	494811.06, 3859501.99	2.24E-03	7.06E-07	2.99E-07	2.28E-03	7.20E-07	3.06E-07	2.28E-03	7.19E-07	3.05E-07
2033	494861.06, 3859501.99	2.20E-03	6.94E-07	2.94E-07	2.24E-03	7.08E-07	3.00E-07	2.24E-03	7.07E-07	3.00E-07
2034	494911.06, 3859501.99	2.17E-03	6.85E-07	2.91E-07	2.21E-03	6.99E-07	2.97E-07	2.21E-03	6.98E-07	2.96E-07
2035	494961.06, 3859501.99	2.12E-03	6.71E-07	2.85E-07	2.17E-03	6.84E-07	2.90E-07	2.17E-03	6.84E-07	2.90E-07
2036	495011.06, 3859501.99	2.10E-03	6.63E-07	2.81E-07	2.14E-03	6.76E-07	2.87E-07	2.14E-03	6.76E-07	2.87E-07
2037	495061.06, 3859501.99	2.08E-03	6.55E-07	2.78E-07	2.12E-03	6.69E-07	2.84E-07	2.12E-03	6.68E-07	2.83E-07
2038	495111.06, 3859501.99	2.04E-03	6.42E-07	2.73E-07	2.08E-03	6.55E-07	2.78E-07	2.07E-03	6.55E-07	2.78E-07
2039	495161.06, 3859501.99	2.01E-03	6.36E-07	2.70E-07	2.06E-03	6.49E-07	2.75E-07	2.05E-03	6.48E-07	2.75E-07
2040	495211.06, 3859501.99	2.00E-03	6.31E-07	2.68E-07	2.04E-03	6.44E-07	2.73E-07	2.04E-03	6.44E-07	2.73E-07
2041	495261.06, 3859501.99	1.98E-03	6.25E-07	2.65E-07	2.02E-03	6.38E-07	2.70E-07	2.02E-03	6.37E-07	2.70E-07
2042	495311.06, 3859501.99	1.96E-03	6.19E-07	2.63E-07	2.00E-03	6.32E-07	2.68E-07	2.00E-03	6.31E-07	2.68E-07

2043	495361.06, 3859501.99	1.94E-03	6.12E-07	2.60E-07	1.98E-03	6.24E-07	2.65E-07	1.98E-03	6.24E-07	2.65E-07
2044	495411.06, 3859501.99	1.92E-03	6.05E-07	2.57E-07	1.96E-03	6.17E-07	2.62E-07	1.95E-03	6.16E-07	2.62E-07
2045	495461.06, 3859501.99	1.89E-03	5.97E-07	2.53E-07	1.93E-03	6.09E-07	2.58E-07	1.93E-03	6.08E-07	2.58E-07
2046	495511.06, 3859501.99	1.84E-03	5.80E-07	2.46E-07	1.87E-03	5.91E-07	2.51E-07	1.87E-03	5.91E-07	2.51E-07
2047	495561.06, 3859501.99	1.83E-03	5.77E-07	2.45E-07	1.87E-03	5.89E-07	2.50E-07	1.86E-03	5.88E-07	2.49E-07
2048	495611.06, 3859501.99	1.80E-03	5.68E-07	2.41E-07	1.84E-03	5.80E-07	2.46E-07	1.83E-03	5.79E-07	2.46E-07
2049	495661.06, 3859501.99	1.77E-03	5.59E-07	2.37E-07	1.81E-03	5.70E-07	2.42E-07	1.80E-03	5.69E-07	2.42E-07
2050	494311.06, 3859551.99	2.92E-03	9.21E-07	3.91E-07	2.98E-03	9.39E-07	3.99E-07	2.97E-03	9.38E-07	3.98E-07
2051	494361.06, 3859551.99	2.81E-03	8.88E-07	3.77E-07	2.87E-03	9.06E-07	3.84E-07	2.87E-03	9.05E-07	3.84E-07
2052	494411.06, 3859551.99	2.69E-03	8.50E-07	3.61E-07	2.75E-03	8.67E-07	3.68E-07	2.74E-03	8.66E-07	3.68E-07
2053	494461.06, 3859551.99	2.70E-03	8.53E-07	3.62E-07	2.76E-03	8.70E-07	3.69E-07	2.75E-03	8.69E-07	3.69E-07
2054	494511.06, 3859551.99	2.64E-03	8.32E-07	3.53E-07	2.69E-03	8.49E-07	3.60E-07	2.69E-03	8.48E-07	3.60E-07
2055	494561.06, 3859551.99	2.58E-03	8.16E-07	3.46E-07	2.64E-03	8.32E-07	3.53E-07	2.63E-03	8.31E-07	3.53E-07
2056	494611.06, 3859551.99	2.55E-03	8.06E-07	3.42E-07	2.60E-03	8.22E-07	3.49E-07	2.60E-03	8.21E-07	3.48E-07
2057	494661.06, 3859551.99	2.51E-03	7.92E-07	3.36E-07	2.56E-03	8.08E-07	3.43E-07	2.56E-03	8.07E-07	3.43E-07
2058	494711.06, 3859551.99	2.40E-03	7.56E-07	3.21E-07	2.45E-03	7.72E-07	3.27E-07	2.44E-03	7.71E-07	3.27E-07
2059	494761.06, 3859551.99	2.41E-03	7.59E-07	3.22E-07	2.45E-03	7.75E-07	3.29E-07	2.45E-03	7.74E-07	3.28E-07
2060	494811.06, 3859551.99	2.32E-03	7.34E-07	3.11E-07	2.37E-03	7.49E-07	3.18E-07	2.37E-03	7.48E-07	3.17E-07
2061	494861.06, 3859551.99	2.29E-03	7.21E-07	3.06E-07	2.33E-03	7.36E-07	3.12E-07	2.33E-03	7.35E-07	3.12E-07
2062	494911.06, 3859551.99	2.24E-03	7.07E-07	3.00E-07	2.29E-03	7.21E-07	3.06E-07	2.28E-03	7.20E-07	3.06E-07
2063	494961.06, 3859551.99	2.21E-03	6.98E-07	2.96E-07	2.26E-03	7.13E-07	3.02E-07	2.26E-03	7.12E-07	3.02E-07
2064	495011.06, 3859551.99	2.19E-03	6.92E-07	2.93E-07	2.24E-03	7.06E-07	2.99E-07	2.23E-03	7.05E-07	2.99E-07
2065	495061.06, 3859551.99	2.16E-03	6.81E-07	2.89E-07	2.20E-03	6.95E-07	2.95E-07	2.20E-03	6.94E-07	2.94E-07
2066	495111.06, 3859551.99	2.12E-03	6.68E-07	2.83E-07	2.16E-03	6.81E-07	2.89E-07	2.16E-03	6.80E-07	2.89E-07
2067	495161.06, 3859551.99	2.10E-03	6.61E-07	2.81E-07	2.14E-03	6.75E-07	2.86E-07	2.14E-03	6.74E-07	2.86E-07
2068	495211.06, 3859551.99	2.08E-03	6.57E-07	2.79E-07	2.12E-03	6.70E-07	2.84E-07	2.12E-03	6.69E-07	2.84E-07
2069	495261.06, 3859551.99	2.05E-03	6.46E-07	2.74E-07	2.09E-03	6.60E-07	2.80E-07	2.09E-03	6.59E-07	2.80E-07
2070	495311.06, 3859551.99	2.02E-03	6.38E-07	2.71E-07	2.06E-03	6.51E-07	2.76E-07	2.06E-03	6.50E-07	2.76E-07
2071	495361.06, 3859551.99	2.00E-03	6.31E-07	2.68E-07	2.04E-03	6.44E-07	2.73E-07	2.04E-03	6.43E-07	2.73E-07
2072	495411.06, 3859551.99	1.98E-03	6.25E-07	2.65E-07	2.02E-03	6.38E-07	2.71E-07	2.02E-03	6.37E-07	2.70E-07
2073	495461.06, 3859551.99	1.94E-03	6.13E-07	2.60E-07	1.98E-03	6.26E-07	2.65E-07	1.98E-03	6.25E-07	2.65E-07
2074	495511.06, 3859551.99	1.90E-03	6.01E-07	2.55E-07	1.94E-03	6.13E-07	2.60E-07	1.94E-03	6.12E-07	2.60E-07
2075	495561.06, 3859551.99	1.88E-03	5.93E-07	2.52E-07	1.92E-03	6.05E-07	2.57E-07	1.91E-03	6.04E-07	2.56E-07
2076	495611.06, 3859551.99	1.85E-03	5.85E-07	2.48E-07	1.89E-03	5.97E-07	2.53E-07	1.89E-03	5.96E-07	2.53E-07
2077	495661.06, 3859551.99	1.82E-03	5.75E-07	2.44E-07	1.86E-03	5.87E-07	2.49E-07	1.86E-03	5.86E-07	2.49E-07
2078	494311.06, 3859601.99	3.03E-03	9.56E-07	4.06E-07	3.09E-03	9.76E-07	4.14E-07	3.09E-03	9.75E-07	4.14E-07
2079	494361.06, 3859601.99	2.88E-03	9.08E-07	3.85E-07	2.94E-03	9.27E-07	3.93E-07	2.93E-03	9.26E-07	3.93E-07
2080	494411.06, 3859601.99	2.80E-03	8.83E-07	3.75E-07	2.85E-03	9.01E-07	3.82E-07	2.85E-03	9.00E-07	3.82E-07
2081	494461.06, 3859601.99	2.79E-03	8.82E-07	3.74E-07	2.85E-03	9.00E-07	3.82E-07	2.85E-03	8.99E-07	3.81E-07
2082	494511.06, 3859601.99	2.70E-03	8.53E-07	3.62E-07	2.76E-03	8.70E-07	3.69E-07	2.75E-03	8.69E-07	3.69E-07
2083	494561.06, 3859601.99	2.69E-03	8.48E-07	3.60E-07	2.74E-03	8.66E-07	3.67E-07	2.74E-03	8.65E-07	3.67E-07
2084	494611.06, 3859601.99	2.66E-03	8.38E-07	3.56E-07	2.71E-03	8.56E-07	3.63E-07	2.71E-03	8.55E-07	3.63E-07
2085	494661.06, 3859601.99	2.56E-03	8.06E-07	3.42E-07	2.61E-03	8.23E-07	3.49E-07	2.60E-03	8.22E-07	3.49E-07
2086	494711.06, 3859601.99	2.48E-03	7.82E-07	3.32E-07	2.53E-03	7.98E-07	3.39E-07	2.53E-03	7.97E-07	3.38E-07
2087	494761.06, 3859601.99	2.51E-03	7.91E-07	3.36E-07	2.56E-03	8.07E-07	3.42E-07	2.55E-03	8.06E-07	3.42E-07
2088	494811.06, 3859601.99	2.42E-03	7.63E-07	3.24E-07	2.47E-03	7.79E-07	3.30E-07	2.46E-03	7.78E-07	3.30E-07
2089	494861.06, 3859601.99	2.38E-03	7.51E-07	3.19E-07	2.43E-03	7.67E-07	3.25E-07	2.43E-03	7.66E-07	3.25E-07
2090	494911.06, 3859601.99	2.32E-03	7.31E-07	3.10E-07	2.36E-03	7.46E-07	3.16E-07	2.36E-03	7.45E-07	3.16E-07
2091	494961.06, 3859601.99	2.31E-03	7.31E-07	3.10E-07	2.36E-03	7.46E-07	3.16E-07	2.36E-03	7.45E-07	3.16E-07
2092	495011.06, 3859601.99	2.25E-03	7.10E-07	3.01E-07	2.30E-03	7.25E-07	3.07E-07	2.29E-03	7.24E-07	3.07E-07
2093	495061.06, 3859601.99	2.24E-03	7.06E-07	2.99E-07	2.28E-03	7.20E-07	3.05E-07	2.28E-03	7.19E-07	3.05E-07
2094	495111.06, 3859601.99	2.19E-03	6.91E-07	2.93E-07	2.23E-03	7.05E-07	2.99E-07	2.23E-03	7.04E-07	2.99E-07
2095	495161.06, 3859601.99	2.17E-03	6.85E-07	2.91E-07	2.21E-03	6.99E-07	2.96E-07	2.21E-03	6.98E-07	2.96E-07
2096	495211.06, 3859601.99	2.14E-03	6.76E-07	2.87E-07	2.19E-03	6.90E-07	2.93E-07	2.18E-03	6.89E-07	2.92E-07
2097	495261.06, 3859601.99	2.12E-03	6.69E-07	2.84E-07	2.16E-03	6.82E-07	2.90E-07	2.16E-03	6.82E-07	2.89E-07
2098	495311.06, 3859601.99	2.10E-03	6.62E-07	2.81E-07	2.14E-03	6.76E-07	2.87E-07	2.14E-03	6.75E-07	2.86E-07
2099	495361.06, 3859601.99	2.07E-03	6.53E-07	2.77E-07	2.11E-03	6.66E-07	2.83E-07	2.11E-03	6.65E-07	2.82E-07
2100	495411.06, 3859601.99	2.05E-03	6.46E-07	2.74E-07	2.09E-03	6.59E-07	2.80E-07	2.09E-03	6.58E-07	2.79E-07
2101	495461.06, 3859601.99	2.00E-03	6.31E-07	2.68E-07	2.04E-03	6.44E-07	2.73E-07	2.04E-03	6.43E-07	2.73E-07
2102	495511.06, 3859601.99	1.96E-03	6.17E-07	2.62E-07	2.00E-03	6.30E-07	2.67E-07	1.99E-03	6.29E-07	2.67E-07
2103	495561.06, 3859601.99	1.94E-03	6.13E-07	2.60E-07	1.98E-03	6.26E-07	2.65E-07	1.98E-03	6.25E-07	2.65E-07
2104	495611.06, 3859601.99	1.90E-03	5.98E-07	2.54E-07	1.93E-03	6.11E-07	2.59E-07	1.93E-03	6.10E-07	2.59E-07

2105	495661.06, 3859601.99	1.88E-03	5.92E-07	2.51E-07	1.92E-03	6.04E-07	2.56E-07	1.91E-03	6.04E-07	2.56E-07
2106	494311.06, 3859651.99	3.10E-03	9.78E-07	4.15E-07	3.16E-03	9.98E-07	4.23E-07	3.16E-03	9.97E-07	4.23E-07
2107	494361.06, 3859651.99	2.96E-03	9.33E-07	3.96E-07	3.02E-03	9.52E-07	4.04E-07	3.01E-03	9.51E-07	4.04E-07
2108	494411.06, 3859651.99	2.90E-03	9.15E-07	3.88E-07	2.96E-03	9.34E-07	3.96E-07	2.95E-03	9.33E-07	3.96E-07
2109	494461.06, 3859651.99	2.89E-03	9.13E-07	3.87E-07	2.95E-03	9.31E-07	3.95E-07	2.95E-03	9.30E-07	3.95E-07
2110	494511.06, 3859651.99	2.83E-03	8.93E-07	3.79E-07	2.89E-03	9.11E-07	3.87E-07	2.88E-03	9.10E-07	3.86E-07
2111	494561.06, 3859651.99	2.79E-03	8.80E-07	3.73E-07	2.85E-03	8.98E-07	3.81E-07	2.84E-03	8.97E-07	3.81E-07
2112	494611.06, 3859651.99	2.74E-03	8.66E-07	3.68E-07	2.80E-03	8.84E-07	3.75E-07	2.80E-03	8.83E-07	3.75E-07
2113	494661.06, 3859651.99	2.62E-03	8.28E-07	3.51E-07	2.68E-03	8.45E-07	3.58E-07	2.67E-03	8.44E-07	3.58E-07
2114	494711.06, 3859651.99	2.59E-03	8.16E-07	3.46E-07	2.64E-03	8.33E-07	3.53E-07	2.64E-03	8.32E-07	3.53E-07
2115	494761.06, 3859651.99	2.57E-03	8.11E-07	3.44E-07	2.62E-03	8.27E-07	3.51E-07	2.62E-03	8.26E-07	3.51E-07
2116	494811.06, 3859651.99	2.50E-03	7.91E-07	3.35E-07	2.56E-03	8.07E-07	3.42E-07	2.55E-03	8.06E-07	3.42E-07
2117	494861.06, 3859651.99	2.47E-03	7.80E-07	3.31E-07	2.52E-03	7.96E-07	3.38E-07	2.52E-03	7.95E-07	3.37E-07
2118	494911.06, 3859651.99	2.42E-03	7.65E-07	3.25E-07	2.47E-03	7.81E-07	3.31E-07	2.47E-03	7.80E-07	3.31E-07
2119	494961.06, 3859651.99	2.39E-03	7.54E-07	3.20E-07	2.44E-03	7.69E-07	3.26E-07	2.43E-03	7.68E-07	3.26E-07
2120	495011.06, 3859651.99	2.35E-03	7.41E-07	3.14E-07	2.40E-03	7.56E-07	3.21E-07	2.39E-03	7.55E-07	3.20E-07
2121	495061.06, 3859651.99	2.32E-03	7.32E-07	3.11E-07	2.37E-03	7.47E-07	3.17E-07	2.37E-03	7.46E-07	3.17E-07
2122	495111.06, 3859651.99	2.28E-03	7.19E-07	3.05E-07	2.32E-03	7.33E-07	3.11E-07	2.32E-03	7.33E-07	3.11E-07
2123	495161.06, 3859651.99	2.25E-03	7.09E-07	3.01E-07	2.29E-03	7.23E-07	3.07E-07	2.29E-03	7.22E-07	3.06E-07
2124	495211.06, 3859651.99	2.22E-03	7.01E-07	2.97E-07	2.27E-03	7.15E-07	3.03E-07	2.26E-03	7.14E-07	3.03E-07
2125	495261.06, 3859651.99	2.19E-03	6.91E-07	2.93E-07	2.23E-03	7.05E-07	2.99E-07	2.23E-03	7.04E-07	2.99E-07
2126	495311.06, 3859651.99	2.16E-03	6.82E-07	2.89E-07	2.20E-03	6.96E-07	2.95E-07	2.20E-03	6.95E-07	2.95E-07
2127	495361.06, 3859651.99	2.14E-03	6.74E-07	2.86E-07	2.18E-03	6.88E-07	2.92E-07	2.18E-03	6.87E-07	2.92E-07
2128	495411.06, 3859651.99	2.11E-03	6.64E-07	2.82E-07	2.15E-03	6.78E-07	2.88E-07	2.15E-03	6.77E-07	2.87E-07
2129	495461.06, 3859651.99	2.06E-03	6.49E-07	2.75E-07	2.10E-03	6.62E-07	2.81E-07	2.10E-03	6.62E-07	2.81E-07
2130	495511.06, 3859651.99	2.01E-03	6.36E-07	2.70E-07	2.06E-03	6.49E-07	2.75E-07	2.05E-03	6.48E-07	2.75E-07
2131	495561.06, 3859651.99	1.99E-03	6.29E-07	2.67E-07	2.03E-03	6.42E-07	2.72E-07	2.03E-03	6.41E-07	2.72E-07
2132	495611.06, 3859651.99	1.96E-03	6.19E-07	2.63E-07	2.00E-03	6.32E-07	2.68E-07	2.00E-03	6.31E-07	2.68E-07
2133	495661.06, 3859651.99	1.93E-03	6.08E-07	2.58E-07	1.97E-03	6.21E-07	2.63E-07	1.96E-03	6.20E-07	2.63E-07
2134	494311.06, 3859701.99	3.08E-03	9.72E-07	4.12E-07	3.14E-03	9.92E-07	4.21E-07	3.14E-03	9.90E-07	4.20E-07
2135	494361.06, 3859701.99	3.01E-03	9.51E-07	4.03E-07	3.07E-03	9.70E-07	4.12E-07	3.07E-03	9.69E-07	4.11E-07
2136	494411.06, 3859701.99	2.97E-03	9.39E-07	3.98E-07	3.04E-03	9.58E-07	4.07E-07	3.03E-03	9.57E-07	4.06E-07
2137	494461.06, 3859701.99	2.99E-03	9.42E-07	4.00E-07	3.05E-03	9.62E-07	4.08E-07	3.04E-03	9.60E-07	4.07E-07
2138	494511.06, 3859701.99	2.93E-03	9.24E-07	3.92E-07	2.99E-03	9.43E-07	4.00E-07	2.98E-03	9.42E-07	4.00E-07
2139	494561.06, 3859701.99	2.89E-03	9.11E-07	3.87E-07	2.95E-03	9.30E-07	3.95E-07	2.94E-03	9.29E-07	3.94E-07
2140	494611.06, 3859701.99	2.84E-03	8.97E-07	3.81E-07	2.90E-03	9.16E-07	3.89E-07	2.90E-03	9.15E-07	3.88E-07
2141	494661.06, 3859701.99	2.72E-03	8.57E-07	3.64E-07	2.77E-03	8.74E-07	3.71E-07	2.77E-03	8.73E-07	3.71E-07
2142	494711.06, 3859701.99	2.70E-03	8.51E-07	3.61E-07	2.75E-03	8.68E-07	3.68E-07	2.75E-03	8.67E-07	3.68E-07
2143	494761.06, 3859701.99	2.63E-03	8.32E-07	3.53E-07	2.69E-03	8.49E-07	3.60E-07	2.69E-03	8.48E-07	3.60E-07
2144	494811.06, 3859701.99	2.57E-03	8.12E-07	3.45E-07	2.63E-03	8.29E-07	3.52E-07	2.62E-03	8.28E-07	3.51E-07
2145	494861.06, 3859701.99	2.56E-03	8.08E-07	3.43E-07	2.61E-03	8.25E-07	3.50E-07	2.61E-03	8.24E-07	3.49E-07
2146	494911.06, 3859701.99	2.51E-03	7.92E-07	3.36E-07	2.56E-03	8.09E-07	3.43E-07	2.56E-03	8.08E-07	3.43E-07
2147	494961.06, 3859701.99	2.46E-03	7.78E-07	3.30E-07	2.51E-03	7.94E-07	3.37E-07	2.51E-03	7.93E-07	3.36E-07
2148	495011.06, 3859701.99	2.44E-03	7.69E-07	3.26E-07	2.48E-03	7.84E-07	3.33E-07	2.48E-03	7.83E-07	3.32E-07
2149	495061.06, 3859701.99	2.40E-03	7.56E-07	3.21E-07	2.45E-03	7.72E-07	3.27E-07	2.44E-03	7.71E-07	3.27E-07
2150	495111.06, 3859701.99	2.36E-03	7.44E-07	3.16E-07	2.41E-03	7.59E-07	3.22E-07	2.40E-03	7.59E-07	3.22E-07
2151	495161.06, 3859701.99	2.32E-03	7.31E-07	3.10E-07	2.36E-03	7.46E-07	3.17E-07	2.36E-03	7.45E-07	3.16E-07
2152	495211.06, 3859701.99	2.27E-03	7.18E-07	3.05E-07	2.32E-03	7.33E-07	3.11E-07	2.32E-03	7.32E-07	3.10E-07
2153	495261.06, 3859701.99	2.26E-03	7.13E-07	3.03E-07	2.31E-03	7.28E-07	3.09E-07	2.30E-03	7.27E-07	3.08E-07
2154	495311.06, 3859701.99	2.22E-03	7.01E-07	2.98E-07	2.27E-03	7.16E-07	3.04E-07	2.26E-03	7.15E-07	3.03E-07
2155	495361.06, 3859701.99	2.19E-03	6.90E-07	2.93E-07	2.23E-03	7.05E-07	2.99E-07	2.23E-03	7.04E-07	2.99E-07
2156	495411.06, 3859701.99	2.14E-03	6.76E-07	2.87E-07	2.19E-03	6.90E-07	2.93E-07	2.18E-03	6.89E-07	2.93E-07
2157	495461.06, 3859701.99	2.11E-03	6.66E-07	2.82E-07	2.15E-03	6.79E-07	2.88E-07	2.15E-03	6.78E-07	2.88E-07
2158	495511.06, 3859701.99	2.05E-03	6.47E-07	2.75E-07	2.09E-03	6.61E-07	2.80E-07	2.09E-03	6.60E-07	2.80E-07
2159	495561.06, 3859701.99	2.04E-03	6.45E-07	2.74E-07	2.09E-03	6.58E-07	2.79E-07	2.08E-03	6.58E-07	2.79E-07
2160	495611.06, 3859701.99	2.01E-03	6.36E-07	2.70E-07	2.05E-03	6.49E-07	2.75E-07	2.05E-03	6.48E-07	2.75E-07
2161	495661.06, 3859701.99	1.98E-03	6.25E-07	2.65E-07	2.02E-03	6.38E-07	2.71E-07	2.02E-03	6.37E-07	2.70E-07
2162	494311.06, 3859751.99	3.20E-03	1.01E-06	4.29E-07	3.27E-03	1.03E-06	4.38E-07	3.27E-03	1.03E-06	4.37E-07
2163	494361.06, 3859751.99	3.14E-03	9.91E-07	4.21E-07	3.20E-03	1.01E-06	4.29E-07	3.20E-03	1.01E-06	4.29E-07
2164	494411.06, 3859751.99	3.07E-03	9.68E-07	4.11E-07	3.13E-03	9.88E-07	4.19E-07	3.13E-03	9.86E-07	4.18E-07
2165	494461.06, 3859751.99	3.06E-03	9.66E-07	4.10E-07	3.12E-03	9.86E-07	4.18E-07	3.12E-03	9.85E-07	4.18E-07
2166	494511.06, 3859751.99	3.04E-03	9.58E-07	4.07E-07	3.10E-03	9.78E-07	4.15E-07	3.09E-03	9.77E-07	4.14E-07

2167	494561.06, 3859751.99	2.98E-03	9.40E-07	3.99E-07	3.04E-03	9.60E-07	4.07E-07	3.04E-03	9.58E-07	4.07E-07
2168	494611.06, 3859751.99	2.91E-03	9.18E-07	3.90E-07	2.97E-03	9.37E-07	3.98E-07	2.97E-03	9.36E-07	3.97E-07
2169	494661.06, 3859751.99	2.80E-03	8.83E-07	3.75E-07	2.85E-03	9.01E-07	3.82E-07	2.85E-03	9.00E-07	3.82E-07
2170	494711.06, 3859751.99	2.79E-03	8.79E-07	3.73E-07	2.84E-03	8.97E-07	3.81E-07	2.84E-03	8.96E-07	3.80E-07
2171	494761.06, 3859751.99	2.75E-03	8.67E-07	3.68E-07	2.80E-03	8.85E-07	3.75E-07	2.80E-03	8.84E-07	3.75E-07
2172	494811.06, 3859751.99	2.69E-03	8.49E-07	3.60E-07	2.74E-03	8.66E-07	3.67E-07	2.74E-03	8.65E-07	3.67E-07
2173	494861.06, 3859751.99	2.65E-03	8.35E-07	3.54E-07	2.70E-03	8.52E-07	3.62E-07	2.70E-03	8.51E-07	3.61E-07
2174	494911.06, 3859751.99	2.60E-03	8.22E-07	3.49E-07	2.66E-03	8.39E-07	3.56E-07	2.65E-03	8.38E-07	3.55E-07
2175	494961.06, 3859751.99	2.56E-03	8.09E-07	3.43E-07	2.61E-03	8.25E-07	3.50E-07	2.61E-03	8.24E-07	3.50E-07
2176	495011.06, 3859751.99	2.52E-03	7.95E-07	3.37E-07	2.57E-03	8.11E-07	3.44E-07	2.57E-03	8.10E-07	3.44E-07
2177	495061.06, 3859751.99	2.49E-03	7.85E-07	3.33E-07	2.54E-03	8.01E-07	3.40E-07	2.53E-03	8.00E-07	3.39E-07
2178	495111.06, 3859751.99	2.44E-03	7.72E-07	3.27E-07	2.49E-03	7.87E-07	3.34E-07	2.49E-03	7.86E-07	3.34E-07
2179	495161.06, 3859751.99	2.40E-03	7.57E-07	3.21E-07	2.45E-03	7.73E-07	3.28E-07	2.45E-03	7.72E-07	3.28E-07
2180	495211.06, 3859751.99	2.35E-03	7.43E-07	3.15E-07	2.40E-03	7.58E-07	3.22E-07	2.40E-03	7.58E-07	3.21E-07
2181	495261.06, 3859751.99	2.32E-03	7.34E-07	3.11E-07	2.37E-03	7.49E-07	3.18E-07	2.37E-03	7.48E-07	3.17E-07
2182	495311.06, 3859751.99	2.29E-03	7.21E-07	3.06E-07	2.33E-03	7.36E-07	3.12E-07	2.33E-03	7.35E-07	3.12E-07
2183	495361.06, 3859751.99	2.25E-03	7.10E-07	3.01E-07	2.30E-03	7.25E-07	3.07E-07	2.29E-03	7.24E-07	3.07E-07
2184	495411.06, 3859751.99	2.22E-03	6.99E-07	2.97E-07	2.26E-03	7.14E-07	3.03E-07	2.26E-03	7.13E-07	3.02E-07
2185	495461.06, 3859751.99	2.17E-03	6.85E-07	2.90E-07	2.21E-03	6.99E-07	2.96E-07	2.21E-03	6.98E-07	2.96E-07
2186	495511.06, 3859751.99	2.12E-03	6.70E-07	2.84E-07	2.17E-03	6.84E-07	2.90E-07	2.16E-03	6.83E-07	2.90E-07
2187	495561.06, 3859751.99	2.09E-03	6.60E-07	2.80E-07	2.13E-03	6.74E-07	2.86E-07	2.13E-03	6.73E-07	2.85E-07
2188	495611.06, 3859751.99	2.06E-03	6.50E-07	2.76E-07	2.10E-03	6.64E-07	2.82E-07	2.10E-03	6.63E-07	2.81E-07
2189	495661.06, 3859751.99	2.04E-03	6.43E-07	2.73E-07	2.08E-03	6.56E-07	2.78E-07	2.08E-03	6.55E-07	2.78E-07
2190	494311.06, 3859801.99	3.32E-03	1.05E-06	4.45E-07	3.39E-03	1.07E-06	4.54E-07	3.39E-03	1.07E-06	4.54E-07
2191	494361.06, 3859801.99	3.23E-03	1.02E-06	4.33E-07	3.30E-03	1.04E-06	4.42E-07	3.30E-03	1.04E-06	4.41E-07
2192	494411.06, 3859801.99	3.14E-03	9.92E-07	4.21E-07	3.21E-03	1.01E-06	4.29E-07	3.20E-03	1.01E-06	4.29E-07
2193	494461.06, 3859801.99	3.13E-03	9.88E-07	4.19E-07	3.20E-03	1.01E-06	4.28E-07	3.19E-03	1.01E-06	4.27E-07
2194	494511.06, 3859801.99	3.13E-03	9.87E-07	4.19E-07	3.19E-03	1.01E-06	4.27E-07	3.19E-03	1.01E-06	4.27E-07
2195	494561.06, 3859801.99	3.07E-03	9.69E-07	4.11E-07	3.13E-03	9.89E-07	4.19E-07	3.13E-03	9.87E-07	4.19E-07
2196	494611.06, 3859801.99	2.97E-03	9.36E-07	3.97E-07	3.03E-03	9.56E-07	4.05E-07	3.02E-03	9.54E-07	4.05E-07
2197	494661.06, 3859801.99	2.91E-03	9.17E-07	3.89E-07	2.97E-03	9.36E-07	3.97E-07	2.96E-03	9.35E-07	3.97E-07
2198	494711.06, 3859801.99	2.84E-03	8.95E-07	3.80E-07	2.89E-03	9.13E-07	3.88E-07	2.89E-03	9.12E-07	3.87E-07
2199	494761.06, 3859801.99	2.83E-03	8.93E-07	3.79E-07	2.89E-03	9.11E-07	3.87E-07	2.88E-03	9.10E-07	3.86E-07
2200	494811.06, 3859801.99	2.77E-03	8.76E-07	3.72E-07	2.83E-03	8.93E-07	3.79E-07	2.83E-03	8.92E-07	3.79E-07
2201	494861.06, 3859801.99	2.73E-03	8.63E-07	3.66E-07	2.79E-03	8.81E-07	3.74E-07	2.79E-03	8.80E-07	3.73E-07
2202	494911.06, 3859801.99	2.68E-03	8.45E-07	3.58E-07	2.73E-03	8.62E-07	3.66E-07	2.73E-03	8.61E-07	3.65E-07
2203	494961.06, 3859801.99	2.63E-03	8.31E-07	3.53E-07	2.69E-03	8.48E-07	3.60E-07	2.68E-03	8.47E-07	3.59E-07
2204	495011.06, 3859801.99	2.59E-03	8.17E-07	3.47E-07	2.64E-03	8.33E-07	3.54E-07	2.64E-03	8.32E-07	3.53E-07
2205	495061.06, 3859801.99	2.55E-03	8.05E-07	3.42E-07	2.60E-03	8.22E-07	3.49E-07	2.60E-03	8.21E-07	3.48E-07
2206	495111.06, 3859801.99	2.50E-03	7.89E-07	3.35E-07	2.55E-03	8.06E-07	3.42E-07	2.55E-03	8.05E-07	3.41E-07
2207	495161.06, 3859801.99	2.46E-03	7.75E-07	3.29E-07	2.51E-03	7.91E-07	3.36E-07	2.50E-03	7.90E-07	3.35E-07
2208	495211.06, 3859801.99	2.42E-03	7.64E-07	3.24E-07	2.47E-03	7.80E-07	3.31E-07	2.47E-03	7.79E-07	3.31E-07
2209	495261.06, 3859801.99	2.38E-03	7.50E-07	3.18E-07	2.42E-03	7.65E-07	3.25E-07	2.42E-03	7.64E-07	3.24E-07
2210	495311.06, 3859801.99	2.35E-03	7.40E-07	3.14E-07	2.39E-03	7.56E-07	3.21E-07	2.39E-03	7.55E-07	3.20E-07
2211	495361.06, 3859801.99	2.31E-03	7.28E-07	3.09E-07	2.35E-03	7.43E-07	3.15E-07	2.35E-03	7.42E-07	3.15E-07
2212	495411.06, 3859801.99	2.26E-03	7.14E-07	3.03E-07	2.31E-03	7.28E-07	3.09E-07	2.31E-03	7.28E-07	3.09E-07
2213	495461.06, 3859801.99	2.23E-03	7.03E-07	2.98E-07	2.27E-03	7.17E-07	3.04E-07	2.27E-03	7.16E-07	3.04E-07
2214	495511.06, 3859801.99	2.18E-03	6.87E-07	2.91E-07	2.22E-03	7.01E-07	2.97E-07	2.22E-03	7.00E-07	2.97E-07
2215	495561.06, 3859801.99	2.15E-03	6.78E-07	2.87E-07	2.19E-03	6.91E-07	2.93E-07	2.19E-03	6.91E-07	2.93E-07
2216	495611.06, 3859801.99	2.13E-03	6.72E-07	2.85E-07	2.17E-03	6.86E-07	2.91E-07	2.17E-03	6.85E-07	2.91E-07
2217	495661.06, 3859801.99	2.09E-03	6.59E-07	2.79E-07	2.13E-03	6.72E-07	2.85E-07	2.13E-03	6.71E-07	2.85E-07
2218	494311.06, 3859851.99	3.41E-03	1.08E-06	4.57E-07	3.48E-03	1.10E-06	4.66E-07	3.48E-03	1.10E-06	4.65E-07
2219	494361.06, 3859851.99	3.33E-03	1.05E-06	4.46E-07	3.40E-03	1.07E-06	4.55E-07	3.40E-03	1.07E-06	4.55E-07
2220	494411.06, 3859851.99	3.25E-03	1.02E-06	4.35E-07	3.31E-03	1.05E-06	4.44E-07	3.31E-03	1.04E-06	4.43E-07
2221	494461.06, 3859851.99	3.18E-03	1.00E-06	4.26E-07	3.25E-03	1.03E-06	4.35E-07	3.24E-03	1.02E-06	4.34E-07
2222	494511.06, 3859851.99	3.16E-03	9.97E-07	4.23E-07	3.22E-03	1.02E-06	4.32E-07	3.22E-03	1.02E-06	4.31E-07
2223	494561.06, 3859851.99	3.14E-03	9.92E-07	4.21E-07	3.21E-03	1.01E-06	4.29E-07	3.20E-03	1.01E-06	4.29E-07
2224	494611.06, 3859851.99	3.03E-03	9.56E-07	4.06E-07	3.09E-03	9.76E-07	4.14E-07	3.09E-03	9.75E-07	4.14E-07
2225	494661.06, 3859851.99	3.00E-03	9.46E-07	4.02E-07	3.06E-03	9.66E-07	4.10E-07	3.06E-03	9.65E-07	4.09E-07
2226	494711.06, 3859851.99	2.92E-03	9.21E-07	3.91E-07	2.98E-03	9.39E-07	3.99E-07	2.97E-03	9.38E-07	3.98E-07
2227	494761.06, 3859851.99	2.90E-03	9.16E-07	3.89E-07	2.96E-03	9.35E-07	3.97E-07	2.96E-03	9.34E-07	3.96E-07
2228	494811.06, 3859851.99	2.85E-03	8.99E-07	3.82E-07	2.91E-03	9.18E-07	3.89E-07	2.90E-03	9.17E-07	3.89E-07

2229	494861.06, 3859851.99	2.81E-03	8.88E-07	3.77E-07	2.87E-03	9.06E-07	3.84E-07	2.87E-03	9.05E-07	3.84E-07
2230	494911.06, 3859851.99	2.75E-03	8.69E-07	3.69E-07	2.81E-03	8.87E-07	3.76E-07	2.81E-03	8.86E-07	3.76E-07
2231	494961.06, 3859851.99	2.71E-03	8.55E-07	3.63E-07	2.76E-03	8.72E-07	3.70E-07	2.76E-03	8.71E-07	3.70E-07
2232	495011.06, 3859851.99	2.66E-03	8.40E-07	3.57E-07	2.72E-03	8.58E-07	3.64E-07	2.71E-03	8.57E-07	3.63E-07
2233	495061.06, 3859851.99	2.62E-03	8.28E-07	3.51E-07	2.68E-03	8.45E-07	3.59E-07	2.68E-03	8.44E-07	3.58E-07
2234	495111.06, 3859851.99	2.57E-03	8.11E-07	3.44E-07	2.62E-03	8.28E-07	3.51E-07	2.62E-03	8.27E-07	3.51E-07
2235	495161.06, 3859851.99	2.52E-03	7.97E-07	3.38E-07	2.58E-03	8.13E-07	3.45E-07	2.57E-03	8.12E-07	3.45E-07
2236	495211.06, 3859851.99	2.48E-03	7.84E-07	3.33E-07	2.53E-03	8.00E-07	3.39E-07	2.53E-03	7.99E-07	3.39E-07
2237	495261.06, 3859851.99	2.44E-03	7.70E-07	3.27E-07	2.49E-03	7.86E-07	3.33E-07	2.49E-03	7.85E-07	3.33E-07
2238	495311.06, 3859851.99	2.41E-03	7.59E-07	3.22E-07	2.45E-03	7.75E-07	3.29E-07	2.45E-03	7.74E-07	3.28E-07
2239	495361.06, 3859851.99	2.37E-03	7.47E-07	3.17E-07	2.42E-03	7.63E-07	3.24E-07	2.41E-03	7.62E-07	3.23E-07
2240	495411.06, 3859851.99	2.32E-03	7.33E-07	3.11E-07	2.37E-03	7.48E-07	3.17E-07	2.37E-03	7.47E-07	3.17E-07
2241	495461.06, 3859851.99	2.28E-03	7.20E-07	3.05E-07	2.33E-03	7.34E-07	3.12E-07	2.32E-03	7.33E-07	3.11E-07
2242	495511.06, 3859851.99	2.23E-03	7.05E-07	2.99E-07	2.28E-03	7.19E-07	3.05E-07	2.28E-03	7.18E-07	3.05E-07
2243	495561.06, 3859851.99	2.21E-03	6.96E-07	2.96E-07	2.25E-03	7.11E-07	3.02E-07	2.25E-03	7.10E-07	3.01E-07
2244	495611.06, 3859851.99	2.18E-03	6.88E-07	2.92E-07	2.22E-03	7.02E-07	2.98E-07	2.22E-03	7.01E-07	2.97E-07
2245	495661.06, 3859851.99	2.14E-03	6.74E-07	2.86E-07	2.18E-03	6.88E-07	2.92E-07	2.18E-03	6.87E-07	2.92E-07
2246	494311.06, 3859901.99	3.48E-03	1.10E-06	4.66E-07	3.55E-03	1.12E-06	4.76E-07	3.55E-03	1.12E-06	4.75E-07
2247	494361.06, 3859901.99	3.37E-03	1.06E-06	4.51E-07	3.44E-03	1.09E-06	4.61E-07	3.44E-03	1.08E-06	4.60E-07
2248	494411.06, 3859901.99	3.33E-03	1.05E-06	4.46E-07	3.40E-03	1.07E-06	4.55E-07	3.39E-03	1.07E-06	4.54E-07
2249	494461.06, 3859901.99	3.27E-03	1.03E-06	4.37E-07	3.33E-03	1.05E-06	4.46E-07	3.33E-03	1.05E-06	4.46E-07
2250	494511.06, 3859901.99	3.22E-03	1.02E-06	4.31E-07	3.29E-03	1.04E-06	4.40E-07	3.28E-03	1.04E-06	4.40E-07
2251	494561.06, 3859901.99	3.22E-03	1.02E-06	4.31E-07	3.28E-03	1.04E-06	4.40E-07	3.28E-03	1.04E-06	4.39E-07
2252	494611.06, 3859901.99	3.10E-03	9.78E-07	4.15E-07	3.16E-03	9.98E-07	4.24E-07	3.16E-03	9.97E-07	4.23E-07
2253	494661.06, 3859901.99	3.09E-03	9.74E-07	4.13E-07	3.15E-03	9.94E-07	4.22E-07	3.15E-03	9.93E-07	4.21E-07
2254	494711.06, 3859901.99	2.98E-03	9.40E-07	3.99E-07	3.04E-03	9.59E-07	4.07E-07	3.03E-03	9.58E-07	4.06E-07
2255	494761.06, 3859901.99	2.95E-03	9.32E-07	3.95E-07	3.01E-03	9.51E-07	4.03E-07	3.01E-03	9.49E-07	4.03E-07
2256	494811.06, 3859901.99	2.93E-03	9.24E-07	3.92E-07	2.99E-03	9.43E-07	4.00E-07	2.98E-03	9.42E-07	4.00E-07
2257	494861.06, 3859901.99	2.89E-03	9.11E-07	3.87E-07	2.95E-03	9.30E-07	3.95E-07	2.94E-03	9.29E-07	3.94E-07
2258	494911.06, 3859901.99	2.82E-03	8.92E-07	3.78E-07	2.88E-03	9.10E-07	3.86E-07	2.88E-03	9.09E-07	3.86E-07
2259	494961.06, 3859901.99	2.78E-03	8.79E-07	3.73E-07	2.84E-03	8.97E-07	3.80E-07	2.84E-03	8.95E-07	3.80E-07
2260	495011.06, 3859901.99	2.73E-03	8.61E-07	3.66E-07	2.79E-03	8.79E-07	3.73E-07	2.78E-03	8.78E-07	3.73E-07
2261	495061.06, 3859901.99	2.68E-03	8.47E-07	3.59E-07	2.74E-03	8.64E-07	3.67E-07	2.73E-03	8.63E-07	3.66E-07
2262	495111.06, 3859901.99	2.63E-03	8.29E-07	3.52E-07	2.68E-03	8.45E-07	3.59E-07	2.68E-03	8.44E-07	3.58E-07
2263	495161.06, 3859901.99	2.57E-03	8.12E-07	3.45E-07	2.63E-03	8.29E-07	3.52E-07	2.62E-03	8.28E-07	3.51E-07
2264	495211.06, 3859901.99	2.54E-03	8.02E-07	3.40E-07	2.59E-03	8.18E-07	3.47E-07	2.59E-03	8.17E-07	3.47E-07
2265	495261.06, 3859901.99	2.48E-03	7.84E-07	3.33E-07	2.53E-03	8.00E-07	3.39E-07	2.53E-03	7.99E-07	3.39E-07
2266	495311.06, 3859901.99	2.45E-03	7.74E-07	3.28E-07	2.50E-03	7.90E-07	3.35E-07	2.50E-03	7.89E-07	3.35E-07
2267	495361.06, 3859901.99	2.41E-03	7.61E-07	3.23E-07	2.46E-03	7.76E-07	3.29E-07	2.46E-03	7.75E-07	3.29E-07
2268	495411.06, 3859901.99	2.36E-03	7.46E-07	3.16E-07	2.41E-03	7.61E-07	3.23E-07	2.41E-03	7.60E-07	3.22E-07
2269	495461.06, 3859901.99	2.32E-03	7.33E-07	3.11E-07	2.37E-03	7.48E-07	3.17E-07	2.37E-03	7.47E-07	3.17E-07
2270	495511.06, 3859901.99	2.29E-03	7.23E-07	3.07E-07	2.34E-03	7.38E-07	3.13E-07	2.33E-03	7.37E-07	3.13E-07
2271	495561.06, 3859901.99	2.26E-03	7.14E-07	3.03E-07	2.31E-03	7.28E-07	3.09E-07	2.30E-03	7.27E-07	3.09E-07
2272	495611.06, 3859901.99	2.22E-03	7.00E-07	2.97E-07	2.26E-03	7.15E-07	3.03E-07	2.26E-03	7.14E-07	3.03E-07
2273	495661.06, 3859901.99	2.18E-03	6.87E-07	2.91E-07	2.22E-03	7.01E-07	2.97E-07	2.22E-03	7.00E-07	2.97E-07
2274	494311.06, 3859951.99	3.56E-03	1.12E-06	4.77E-07	3.64E-03	1.15E-06	4.87E-07	3.63E-03	1.15E-06	4.86E-07
2275	494361.06, 3859951.99	3.48E-03	1.10E-06	4.66E-07	3.55E-03	1.12E-06	4.75E-07	3.54E-03	1.12E-06	4.75E-07
2276	494411.06, 3859951.99	3.40E-03	1.07E-06	4.55E-07	3.47E-03	1.10E-06	4.65E-07	3.47E-03	1.09E-06	4.64E-07
2277	494461.06, 3859951.99	3.34E-03	1.05E-06	4.47E-07	3.40E-03	1.07E-06	4.56E-07	3.40E-03	1.07E-06	4.55E-07
2278	494511.06, 3859951.99	3.29E-03	1.04E-06	4.41E-07	3.36E-03	1.06E-06	4.50E-07	3.35E-03	1.06E-06	4.49E-07
2279	494561.06, 3859951.99	3.30E-03	1.04E-06	4.42E-07	3.37E-03	1.06E-06	4.51E-07	3.36E-03	1.06E-06	4.50E-07
2280	494611.06, 3859951.99	3.19E-03	1.01E-06	4.27E-07	3.25E-03	1.03E-06	4.36E-07	3.25E-03	1.03E-06	4.35E-07
2281	494661.06, 3859951.99	3.17E-03	1.00E-06	4.24E-07	3.23E-03	1.02E-06	4.33E-07	3.23E-03	1.02E-06	4.33E-07
2282	494711.06, 3859951.99	3.07E-03	9.69E-07	4.11E-07	3.13E-03	9.89E-07	4.20E-07	3.13E-03	9.88E-07	4.19E-07
2283	494761.06, 3859951.99	3.03E-03	9.57E-07	4.06E-07	3.09E-03	9.76E-07	4.14E-07	3.09E-03	9.75E-07	4.14E-07
2284	494811.06, 3859951.99	2.98E-03	9.42E-07	4.00E-07	3.05E-03	9.61E-07	4.08E-07	3.04E-03	9.60E-07	4.07E-07
2285	494861.06, 3859951.99	2.95E-03	9.33E-07	3.96E-07	3.01E-03	9.52E-07	4.04E-07	3.01E-03	9.50E-07	4.03E-07
2286	494911.06, 3859951.99	2.89E-03	9.12E-07	3.87E-07	2.95E-03	9.31E-07	3.95E-07	2.94E-03	9.29E-07	3.94E-07
2287	494961.06, 3859951.99	2.83E-03	8.93E-07	3.79E-07	2.89E-03	9.12E-07	3.87E-07	2.89E-03	9.11E-07	3.86E-07
2288	495011.06, 3859951.99	2.78E-03	8.77E-07	3.72E-07	2.83E-03	8.95E-07	3.80E-07	2.83E-03	8.94E-07	3.79E-07
2289	495061.06, 3859951.99	2.73E-03	8.63E-07	3.66E-07	2.79E-03	8.81E-07	3.74E-07	2.79E-03	8.80E-07	3.73E-07
2290	495111.06, 3859951.99	2.68E-03	8.45E-07	3.58E-07	2.73E-03	8.62E-07	3.66E-07	2.73E-03	8.61E-07	3.65E-07

2291	495161.06, 3859951.99	2.62E-03	8.27E-07	3.51E-07	2.68E-03	8.44E-07	3.58E-07	2.67E-03	8.43E-07	3.58E-07
2292	495211.06, 3859951.99	2.57E-03	8.11E-07	3.44E-07	2.62E-03	8.28E-07	3.51E-07	2.62E-03	8.27E-07	3.51E-07
2293	495261.06, 3859951.99	2.53E-03	7.97E-07	3.38E-07	2.58E-03	8.14E-07	3.45E-07	2.57E-03	8.13E-07	3.45E-07
2294	495311.06, 3859951.99	2.50E-03	7.88E-07	3.35E-07	2.55E-03	8.05E-07	3.41E-07	2.55E-03	8.04E-07	3.41E-07
2295	495361.06, 3859951.99	2.46E-03	7.77E-07	3.29E-07	2.51E-03	7.92E-07	3.36E-07	2.51E-03	7.91E-07	3.36E-07
2296	495411.06, 3859951.99	2.41E-03	7.61E-07	3.23E-07	2.46E-03	7.77E-07	3.30E-07	2.46E-03	7.76E-07	3.29E-07
2297	495461.06, 3859951.99	2.37E-03	7.48E-07	3.17E-07	2.42E-03	7.63E-07	3.24E-07	2.42E-03	7.62E-07	3.24E-07
2298	495511.06, 3859951.99	2.33E-03	7.35E-07	3.12E-07	2.38E-03	7.50E-07	3.18E-07	2.37E-03	7.49E-07	3.18E-07
2299	495561.06, 3859951.99	2.31E-03	7.28E-07	3.09E-07	2.35E-03	7.43E-07	3.15E-07	2.35E-03	7.42E-07	3.15E-07
2300	495611.06, 3859951.99	2.26E-03	7.15E-07	3.03E-07	2.31E-03	7.29E-07	3.09E-07	2.31E-03	7.28E-07	3.09E-07
2301	495661.06, 3859951.99	2.22E-03	7.00E-07	2.97E-07	2.26E-03	7.14E-07	3.03E-07	2.26E-03	7.13E-07	3.03E-07
2302	494311.06, 3860001.99	3.63E-03	1.15E-06	4.86E-07	3.71E-03	1.17E-06	4.96E-07	3.70E-03	1.17E-06	4.96E-07
2303	494361.06, 3860001.99	3.56E-03	1.12E-06	4.77E-07	3.63E-03	1.15E-06	4.86E-07	3.63E-03	1.14E-06	4.86E-07
2304	494411.06, 3860001.99	3.46E-03	1.09E-06	4.63E-07	3.53E-03	1.11E-06	4.73E-07	3.52E-03	1.11E-06	4.72E-07
2305	494461.06, 3860001.99	3.41E-03	1.08E-06	4.56E-07	3.48E-03	1.10E-06	4.65E-07	3.47E-03	1.10E-06	4.65E-07
2306	494511.06, 3860001.99	3.33E-03	1.05E-06	4.46E-07	3.40E-03	1.07E-06	4.55E-07	3.39E-03	1.07E-06	4.55E-07
2307	494561.06, 3860001.99	3.36E-03	1.06E-06	4.50E-07	3.43E-03	1.08E-06	4.59E-07	3.43E-03	1.08E-06	4.59E-07
2308	494611.06, 3860001.99	3.28E-03	1.04E-06	4.39E-07	3.35E-03	1.06E-06	4.48E-07	3.34E-03	1.06E-06	4.48E-07
2309	494661.06, 3860001.99	3.23E-03	1.02E-06	4.33E-07	3.30E-03	1.04E-06	4.42E-07	3.29E-03	1.04E-06	4.41E-07
2310	494711.06, 3860001.99	3.10E-03	9.78E-07	4.15E-07	3.16E-03	9.98E-07	4.24E-07	3.16E-03	9.97E-07	4.23E-07
2311	494761.06, 3860001.99	3.09E-03	9.76E-07	4.14E-07	3.16E-03	9.96E-07	4.23E-07	3.15E-03	9.95E-07	4.22E-07
2312	494811.06, 3860001.99	3.05E-03	9.64E-07	4.09E-07	3.12E-03	9.83E-07	4.17E-07	3.11E-03	9.82E-07	4.17E-07
2313	494861.06, 3860001.99	3.02E-03	9.53E-07	4.04E-07	3.08E-03	9.73E-07	4.13E-07	3.08E-03	9.71E-07	4.12E-07
2314	494911.06, 3860001.99	2.91E-03	9.18E-07	3.89E-07	2.97E-03	9.36E-07	3.97E-07	2.96E-03	9.35E-07	3.97E-07
2315	494961.06, 3860001.99	2.87E-03	9.07E-07	3.85E-07	2.93E-03	9.25E-07	3.93E-07	2.93E-03	9.24E-07	3.92E-07
2316	495011.06, 3860001.99	2.81E-03	8.88E-07	3.77E-07	2.87E-03	9.06E-07	3.85E-07	2.87E-03	9.05E-07	3.84E-07
2317	495061.06, 3860001.99	2.78E-03	8.78E-07	3.73E-07	2.84E-03	8.96E-07	3.80E-07	2.84E-03	8.95E-07	3.80E-07
2318	495111.06, 3860001.99	2.73E-03	8.60E-07	3.65E-07	2.78E-03	8.78E-07	3.72E-07	2.78E-03	8.77E-07	3.72E-07
2319	495161.06, 3860001.99	2.67E-03	8.42E-07	3.57E-07	2.72E-03	8.60E-07	3.65E-07	2.72E-03	8.58E-07	3.64E-07
2320	495211.06, 3860001.99	2.64E-03	8.33E-07	3.53E-07	2.69E-03	8.50E-07	3.60E-07	2.69E-03	8.49E-07	3.60E-07
2321	495261.06, 3860001.99	2.59E-03	8.17E-07	3.47E-07	2.64E-03	8.33E-07	3.54E-07	2.64E-03	8.32E-07	3.53E-07
2322	495311.06, 3860001.99	2.55E-03	8.04E-07	3.41E-07	2.60E-03	8.21E-07	3.48E-07	2.60E-03	8.20E-07	3.48E-07
2323	495361.06, 3860001.99	2.48E-03	7.84E-07	3.32E-07	2.53E-03	8.00E-07	3.39E-07	2.53E-03	7.99E-07	3.39E-07
2324	495411.06, 3860001.99	2.46E-03	7.77E-07	3.30E-07	2.51E-03	7.93E-07	3.36E-07	2.51E-03	7.92E-07	3.36E-07
2325	495461.06, 3860001.99	2.42E-03	7.64E-07	3.24E-07	2.47E-03	7.79E-07	3.31E-07	2.47E-03	7.78E-07	3.30E-07
2326	495511.06, 3860001.99	2.38E-03	7.51E-07	3.19E-07	2.43E-03	7.67E-07	3.25E-07	2.43E-03	7.66E-07	3.25E-07
2327	495561.06, 3860001.99	2.35E-03	7.43E-07	3.15E-07	2.40E-03	7.58E-07	3.22E-07	2.40E-03	7.57E-07	3.21E-07
2328	495611.06, 3860001.99	2.31E-03	7.28E-07	3.09E-07	2.35E-03	7.43E-07	3.15E-07	2.35E-03	7.42E-07	3.15E-07
2329	495661.06, 3860001.99	2.26E-03	7.14E-07	3.03E-07	2.31E-03	7.28E-07	3.09E-07	2.31E-03	7.28E-07	3.09E-07
2330	494411.06, 3860051.99	3.53E-03	1.11E-06	4.73E-07	3.60E-03	1.14E-06	4.83E-07	3.60E-03	1.14E-06	4.82E-07
2331	494461.06, 3860051.99	3.46E-03	1.09E-06	4.63E-07	3.53E-03	1.11E-06	4.73E-07	3.53E-03	1.11E-06	4.72E-07
2332	494511.06, 3860051.99	3.40E-03	1.07E-06	4.55E-07	3.47E-03	1.09E-06	4.64E-07	3.46E-03	1.09E-06	4.63E-07
2333	494561.06, 3860051.99	3.38E-03	1.07E-06	4.53E-07	3.45E-03	1.09E-06	4.62E-07	3.45E-03	1.09E-06	4.62E-07
2334	494611.06, 3860051.99	3.34E-03	1.05E-06	4.47E-07	3.41E-03	1.08E-06	4.56E-07	3.40E-03	1.07E-06	4.56E-07
2335	494661.06, 3860051.99	3.29E-03	1.04E-06	4.40E-07	3.36E-03	1.06E-06	4.49E-07	3.35E-03	1.06E-06	4.49E-07
2336	494711.06, 3860051.99	3.19E-03	1.01E-06	4.28E-07	3.26E-03	1.03E-06	4.36E-07	3.25E-03	1.03E-06	4.36E-07
2337	494761.06, 3860051.99	3.15E-03	9.94E-07	4.22E-07	3.21E-03	1.01E-06	4.30E-07	3.21E-03	1.01E-06	4.30E-07
2338	494811.06, 3860051.99	3.12E-03	9.86E-07	4.18E-07	3.19E-03	1.01E-06	4.27E-07	3.18E-03	1.00E-06	4.26E-07
2339	494861.06, 3860051.99	3.09E-03	9.76E-07	4.14E-07	3.16E-03	9.96E-07	4.23E-07	3.15E-03	9.95E-07	4.22E-07
2340	494911.06, 3860051.99	3.02E-03	9.53E-07	4.04E-07	3.08E-03	9.72E-07	4.12E-07	3.08E-03	9.71E-07	4.12E-07
2341	494961.06, 3860051.99	2.94E-03	9.29E-07	3.94E-07	3.00E-03	9.48E-07	4.02E-07	3.00E-03	9.47E-07	4.02E-07
2342	495011.06, 3860051.99	2.88E-03	9.08E-07	3.85E-07	2.94E-03	9.27E-07	3.93E-07	2.93E-03	9.26E-07	3.93E-07
2343	495061.06, 3860051.99	2.83E-03	8.92E-07	3.78E-07	2.88E-03	9.10E-07	3.86E-07	2.88E-03	9.09E-07	3.86E-07
2344	495111.06, 3860051.99	2.76E-03	8.71E-07	3.69E-07	2.82E-03	8.89E-07	3.77E-07	2.81E-03	8.87E-07	3.77E-07
2345	495161.06, 3860051.99	2.71E-03	8.56E-07	3.63E-07	2.77E-03	8.73E-07	3.70E-07	2.76E-03	8.72E-07	3.70E-07
2346	495211.06, 3860051.99	2.66E-03	8.39E-07	3.56E-07	2.71E-03	8.56E-07	3.63E-07	2.71E-03	8.55E-07	3.63E-07
2347	495261.06, 3860051.99	2.62E-03	8.27E-07	3.51E-07	2.67E-03	8.44E-07	3.58E-07	2.67E-03	8.43E-07	3.57E-07
2348	495311.06, 3860051.99	2.59E-03	8.16E-07	3.46E-07	2.64E-03	8.33E-07	3.53E-07	2.64E-03	8.32E-07	3.53E-07
2349	495361.06, 3860051.99	2.55E-03	8.04E-07	3.41E-07	2.60E-03	8.20E-07	3.48E-07	2.60E-03	8.19E-07	3.48E-07
2350	495411.06, 3860051.99	2.51E-03	7.91E-07	3.36E-07	2.56E-03	8.07E-07	3.42E-07	2.55E-03	8.06E-07	3.42E-07
2351	495461.06, 3860051.99	2.46E-03	7.77E-07	3.30E-07	2.51E-03	7.93E-07	3.36E-07	2.51E-03	7.92E-07	3.36E-07
2352	495511.06, 3860051.99	2.43E-03	7.66E-07	3.25E-07	2.48E-03	7.82E-07	3.32E-07	2.47E-03	7.81E-07	3.31E-07

2353	495561.06, 3860051.99	2.39E-03	7.54E-07	3.20E-07	2.44E-03	7.70E-07	3.27E-07	2.44E-03	7.69E-07	3.26E-07
2354	495611.06, 3860051.99	2.35E-03	7.41E-07	3.14E-07	2.39E-03	7.56E-07	3.21E-07	2.39E-03	7.55E-07	3.20E-07
2355	495661.06, 3860051.99	2.30E-03	7.25E-07	3.08E-07	2.34E-03	7.40E-07	3.14E-07	2.34E-03	7.39E-07	3.14E-07
2356	494411.06, 3860101.99	3.54E-03	1.12E-06	4.74E-07	3.61E-03	1.14E-06	4.84E-07	3.61E-03	1.14E-06	4.83E-07
2357	494461.06, 3860101.99	3.52E-03	1.11E-06	4.71E-07	3.59E-03	1.13E-06	4.81E-07	3.59E-03	1.13E-06	4.80E-07
2358	494511.06, 3860101.99	3.42E-03	1.08E-06	4.58E-07	3.49E-03	1.10E-06	4.68E-07	3.49E-03	1.10E-06	4.67E-07
2359	494561.06, 3860101.99	3.38E-03	1.07E-06	4.53E-07	3.45E-03	1.09E-06	4.62E-07	3.45E-03	1.09E-06	4.62E-07
2360	494611.06, 3860101.99	3.37E-03	1.06E-06	4.51E-07	3.44E-03	1.09E-06	4.60E-07	3.43E-03	1.08E-06	4.60E-07
2361	494661.06, 3860101.99	3.32E-03	1.05E-06	4.45E-07	3.39E-03	1.07E-06	4.54E-07	3.39E-03	1.07E-06	4.54E-07
2362	494711.06, 3860101.99	3.24E-03	1.02E-06	4.34E-07	3.30E-03	1.04E-06	4.43E-07	3.30E-03	1.04E-06	4.42E-07
2363	494761.06, 3860101.99	3.19E-03	1.01E-06	4.27E-07	3.26E-03	1.03E-06	4.36E-07	3.25E-03	1.03E-06	4.36E-07
2364	494811.06, 3860101.99	3.15E-03	9.94E-07	4.22E-07	3.21E-03	1.01E-06	4.30E-07	3.21E-03	1.01E-06	4.30E-07
2365	494861.06, 3860101.99	3.16E-03	9.97E-07	4.23E-07	3.22E-03	1.02E-06	4.32E-07	3.22E-03	1.02E-06	4.31E-07
2366	494911.06, 3860101.99	3.02E-03	9.54E-07	4.05E-07	3.09E-03	9.74E-07	4.13E-07	3.08E-03	9.73E-07	4.13E-07
2367	494961.06, 3860101.99	2.98E-03	9.39E-07	3.99E-07	3.04E-03	9.59E-07	4.07E-07	3.03E-03	9.57E-07	4.06E-07
2368	495011.06, 3860101.99	2.91E-03	9.19E-07	3.90E-07	2.97E-03	9.38E-07	3.98E-07	2.97E-03	9.37E-07	3.98E-07
2369	495061.06, 3860101.99	2.85E-03	9.01E-07	3.82E-07	2.91E-03	9.19E-07	3.90E-07	2.91E-03	9.18E-07	3.90E-07
2370	495111.06, 3860101.99	2.79E-03	8.79E-07	3.73E-07	2.84E-03	8.97E-07	3.81E-07	2.84E-03	8.96E-07	3.80E-07
2371	495161.06, 3860101.99	2.75E-03	8.67E-07	3.68E-07	2.80E-03	8.85E-07	3.75E-07	2.80E-03	8.84E-07	3.75E-07
2372	495211.06, 3860101.99	2.70E-03	8.52E-07	3.62E-07	2.75E-03	8.69E-07	3.69E-07	2.75E-03	8.68E-07	3.68E-07
2373	495261.06, 3860101.99	2.65E-03	8.37E-07	3.55E-07	2.71E-03	8.54E-07	3.63E-07	2.70E-03	8.53E-07	3.62E-07
2374	495311.06, 3860101.99	2.61E-03	8.25E-07	3.50E-07	2.67E-03	8.41E-07	3.57E-07	2.66E-03	8.40E-07	3.57E-07
2375	495361.06, 3860101.99	2.58E-03	8.15E-07	3.46E-07	2.63E-03	8.31E-07	3.53E-07	2.63E-03	8.30E-07	3.52E-07
2376	495411.06, 3860101.99	2.54E-03	8.01E-07	3.40E-07	2.59E-03	8.17E-07	3.47E-07	2.59E-03	8.16E-07	3.46E-07
2377	495461.06, 3860101.99	2.48E-03	7.83E-07	3.32E-07	2.53E-03	7.99E-07	3.39E-07	2.53E-03	7.98E-07	3.39E-07
2378	495511.06, 3860101.99	2.45E-03	7.74E-07	3.28E-07	2.50E-03	7.90E-07	3.35E-07	2.50E-03	7.89E-07	3.35E-07
2379	495561.06, 3860101.99	2.42E-03	7.65E-07	3.25E-07	2.47E-03	7.81E-07	3.31E-07	2.47E-03	7.80E-07	3.31E-07
2380	495611.06, 3860101.99	2.37E-03	7.48E-07	3.18E-07	2.42E-03	7.64E-07	3.24E-07	2.42E-03	7.63E-07	3.24E-07
2381	495661.06, 3860101.99	2.33E-03	7.37E-07	3.13E-07	2.38E-03	7.52E-07	3.19E-07	2.38E-03	7.51E-07	3.19E-07
2382	494861.06, 3860151.99	3.21E-03	1.01E-06	4.30E-07	3.27E-03	1.03E-06	4.38E-07	3.27E-03	1.03E-06	4.38E-07
2383	494911.06, 3860151.99	3.07E-03	9.68E-07	4.11E-07	3.13E-03	9.88E-07	4.19E-07	3.13E-03	9.87E-07	4.19E-07
2384	494961.06, 3860151.99	3.01E-03	9.49E-07	4.03E-07	3.07E-03	9.68E-07	4.11E-07	3.06E-03	9.67E-07	4.10E-07
2385	495011.06, 3860151.99	2.94E-03	9.29E-07	3.94E-07	3.00E-03	9.48E-07	4.02E-07	3.00E-03	9.46E-07	4.02E-07
2386	495061.06, 3860151.99	2.88E-03	9.09E-07	3.86E-07	2.94E-03	9.28E-07	3.94E-07	2.94E-03	9.27E-07	3.93E-07
2387	495111.06, 3860151.99	2.83E-03	8.93E-07	3.79E-07	2.89E-03	9.11E-07	3.87E-07	2.88E-03	9.10E-07	3.86E-07
2388	495161.06, 3860151.99	2.78E-03	8.78E-07	3.73E-07	2.84E-03	8.96E-07	3.80E-07	2.84E-03	8.95E-07	3.80E-07
2389	495211.06, 3860151.99	2.73E-03	8.62E-07	3.66E-07	2.79E-03	8.80E-07	3.73E-07	2.78E-03	8.79E-07	3.73E-07
2390	495261.06, 3860151.99	2.69E-03	8.49E-07	3.60E-07	2.74E-03	8.66E-07	3.68E-07	2.74E-03	8.65E-07	3.67E-07
2391	495311.06, 3860151.99	2.65E-03	8.36E-07	3.55E-07	2.70E-03	8.53E-07	3.62E-07	2.70E-03	8.52E-07	3.61E-07
2392	495361.06, 3860151.99	2.61E-03	8.23E-07	3.49E-07	2.66E-03	8.40E-07	3.57E-07	2.66E-03	8.39E-07	3.56E-07
2393	495411.06, 3860151.99	2.57E-03	8.10E-07	3.44E-07	2.62E-03	8.26E-07	3.51E-07	2.61E-03	8.25E-07	3.50E-07
2394	495461.06, 3860151.99	2.52E-03	7.97E-07	3.38E-07	2.58E-03	8.13E-07	3.45E-07	2.57E-03	8.12E-07	3.45E-07
2395	495511.06, 3860151.99	2.48E-03	7.83E-07	3.32E-07	2.53E-03	7.98E-07	3.39E-07	2.53E-03	7.98E-07	3.38E-07
2396	495561.06, 3860151.99	2.44E-03	7.72E-07	3.27E-07	2.49E-03	7.87E-07	3.34E-07	2.49E-03	7.86E-07	3.34E-07
2397	495611.06, 3860151.99	2.40E-03	7.58E-07	3.22E-07	2.45E-03	7.74E-07	3.28E-07	2.45E-03	7.73E-07	3.28E-07
2398	495661.06, 3860151.99	2.36E-03	7.44E-07	3.16E-07	2.41E-03	7.59E-07	3.22E-07	2.40E-03	7.58E-07	3.22E-07
2399	495718.25, 3859442.96	1.68E-03	5.30E-07	2.25E-07	1.71E-03	5.40E-07	2.29E-07	1.71E-03	5.40E-07	2.29E-07
2400	495818.25, 3859442.96	1.63E-03	5.14E-07	2.18E-07	1.66E-03	5.25E-07	2.23E-07	1.66E-03	5.24E-07	2.22E-07
2401	495918.25, 3859442.96	1.59E-03	5.02E-07	2.13E-07	1.62E-03	5.12E-07	2.17E-07	1.62E-03	5.12E-07	2.17E-07
2402	496018.25, 3859442.96	1.56E-03	4.92E-07	2.09E-07	1.59E-03	5.02E-07	2.13E-07	1.59E-03	5.01E-07	2.13E-07
2403	496118.25, 3859442.96	1.56E-03	4.91E-07	2.08E-07	1.59E-03	5.01E-07	2.13E-07	1.59E-03	5.01E-07	2.12E-07
2404	496218.25, 3859442.96	1.55E-03	4.89E-07	2.08E-07	1.58E-03	4.99E-07	2.12E-07	1.58E-03	4.99E-07	2.12E-07
2405	496318.25, 3859442.96	1.52E-03	4.80E-07	2.04E-07	1.55E-03	4.90E-07	2.08E-07	1.55E-03	4.89E-07	2.08E-07
2406	496418.25, 3859442.96	1.49E-03	4.71E-07	2.00E-07	1.52E-03	4.80E-07	2.04E-07	1.52E-03	4.80E-07	2.04E-07
2407	495718.25, 3859542.96	1.78E-03	5.63E-07	2.39E-07	1.82E-03	5.75E-07	2.44E-07	1.82E-03	5.74E-07	2.43E-07
2408	495818.25, 3859542.96	1.74E-03	5.49E-07	2.33E-07	1.78E-03	5.60E-07	2.38E-07	1.77E-03	5.60E-07	2.37E-07
2409	495918.25, 3859542.96	1.69E-03	5.33E-07	2.26E-07	1.72E-03	5.44E-07	2.31E-07	1.72E-03	5.44E-07	2.31E-07
2410	496018.25, 3859542.96	1.65E-03	5.20E-07	2.21E-07	1.68E-03	5.31E-07	2.25E-07	1.68E-03	5.30E-07	2.25E-07
2411	496118.25, 3859542.96	1.64E-03	5.19E-07	2.20E-07	1.68E-03	5.29E-07	2.25E-07	1.68E-03	5.29E-07	2.24E-07
2412	496218.25, 3859542.96	1.63E-03	5.14E-07	2.18E-07	1.66E-03	5.25E-07	2.23E-07	1.66E-03	5.24E-07	2.22E-07
2413	496318.25, 3859542.96	1.61E-03	5.08E-07	2.16E-07	1.64E-03	5.18E-07	2.20E-07	1.64E-03	5.18E-07	2.20E-07
2414	496418.25, 3859542.96	1.57E-03	4.95E-07	2.10E-07	1.60E-03	5.05E-07	2.14E-07	1.60E-03	5.05E-07	2.14E-07

2415	495718.25, 3859642.96	1.88E-03	5.93E-07	2.52E-07	1.92E-03	6.05E-07	2.57E-07	1.91E-03	6.04E-07	2.56E-07
2416	495818.25, 3859642.96	1.82E-03	5.75E-07	2.44E-07	1.86E-03	5.87E-07	2.49E-07	1.86E-03	5.87E-07	2.49E-07
2417	495918.25, 3859642.96	1.78E-03	5.63E-07	2.39E-07	1.82E-03	5.74E-07	2.44E-07	1.82E-03	5.74E-07	2.43E-07
2418	496018.25, 3859642.96	1.74E-03	5.48E-07	2.33E-07	1.77E-03	5.59E-07	2.37E-07	1.77E-03	5.59E-07	2.37E-07
2419	496118.25, 3859642.96	1.74E-03	5.48E-07	2.33E-07	1.77E-03	5.60E-07	2.37E-07	1.77E-03	5.59E-07	2.37E-07
2420	496218.25, 3859642.96	1.73E-03	5.45E-07	2.31E-07	1.76E-03	5.56E-07	2.36E-07	1.76E-03	5.55E-07	2.36E-07
2421	496318.25, 3859642.96	1.69E-03	5.32E-07	2.26E-07	1.72E-03	5.43E-07	2.30E-07	1.72E-03	5.42E-07	2.30E-07
2422	496418.25, 3859642.96	1.59E-03	5.01E-07	2.13E-07	1.62E-03	5.11E-07	2.17E-07	1.62E-03	5.11E-07	2.17E-07
2423	495718.25, 3859742.96	1.99E-03	6.29E-07	2.67E-07	2.03E-03	6.42E-07	2.72E-07	2.03E-03	6.41E-07	2.72E-07
2424	495818.25, 3859742.96	1.93E-03	6.08E-07	2.58E-07	1.96E-03	6.20E-07	2.63E-07	1.96E-03	6.19E-07	2.63E-07
2425	495918.25, 3859742.96	1.87E-03	5.91E-07	2.51E-07	1.91E-03	6.03E-07	2.56E-07	1.91E-03	6.02E-07	2.56E-07
2426	496018.25, 3859742.96	1.82E-03	5.74E-07	2.44E-07	1.86E-03	5.86E-07	2.49E-07	1.85E-03	5.85E-07	2.48E-07
2427	496118.25, 3859742.96	1.81E-03	5.72E-07	2.43E-07	1.85E-03	5.84E-07	2.48E-07	1.85E-03	5.83E-07	2.47E-07
2428	496218.25, 3859742.96	1.82E-03	5.73E-07	2.43E-07	1.85E-03	5.85E-07	2.48E-07	1.85E-03	5.84E-07	2.48E-07
2429	496318.25, 3859742.96	1.72E-03	5.42E-07	2.30E-07	1.75E-03	5.53E-07	2.35E-07	1.75E-03	5.52E-07	2.34E-07
2430	496418.25, 3859742.96	1.63E-03	5.13E-07	2.18E-07	1.66E-03	5.24E-07	2.22E-07	1.66E-03	5.23E-07	2.22E-07
2431	495718.25, 3859842.96	2.09E-03	6.60E-07	2.80E-07	2.13E-03	6.74E-07	2.86E-07	2.13E-03	6.73E-07	2.86E-07
2432	495818.25, 3859842.96	2.03E-03	6.41E-07	2.72E-07	2.07E-03	6.54E-07	2.77E-07	2.07E-03	6.53E-07	2.77E-07
2433	495918.25, 3859842.96	1.97E-03	6.22E-07	2.64E-07	2.01E-03	6.34E-07	2.69E-07	2.01E-03	6.34E-07	2.69E-07
2434	496018.25, 3859842.96	1.93E-03	6.09E-07	2.58E-07	1.97E-03	6.21E-07	2.63E-07	1.97E-03	6.20E-07	2.63E-07
2435	496118.25, 3859842.96	1.93E-03	6.10E-07	2.59E-07	1.97E-03	6.22E-07	2.64E-07	1.97E-03	6.22E-07	2.64E-07
2436	496218.25, 3859842.96	1.83E-03	5.79E-07	2.46E-07	1.87E-03	5.91E-07	2.51E-07	1.87E-03	5.90E-07	2.50E-07
2437	496318.25, 3859842.96	1.67E-03	5.27E-07	2.24E-07	1.70E-03	5.38E-07	2.28E-07	1.70E-03	5.37E-07	2.28E-07
2438	496418.25, 3859842.96	1.57E-03	4.96E-07	2.10E-07	1.60E-03	5.06E-07	2.15E-07	1.60E-03	5.05E-07	2.14E-07
2439	495718.25, 3859942.96	2.18E-03	6.87E-07	2.91E-07	2.22E-03	7.01E-07	2.97E-07	2.22E-03	7.00E-07	2.97E-07
2440	495818.25, 3859942.96	2.11E-03	6.65E-07	2.82E-07	2.15E-03	6.78E-07	2.88E-07	2.15E-03	6.78E-07	2.87E-07
2441	495918.25, 3859942.96	2.05E-03	6.48E-07	2.75E-07	2.10E-03	6.61E-07	2.81E-07	2.09E-03	6.61E-07	2.80E-07
2442	496018.25, 3859942.96	2.04E-03	6.44E-07	2.73E-07	2.08E-03	6.57E-07	2.79E-07	2.08E-03	6.56E-07	2.78E-07
2443	496118.25, 3859942.96	1.95E-03	6.15E-07	2.61E-07	1.99E-03	6.27E-07	2.66E-07	1.99E-03	6.27E-07	2.66E-07
2444	496218.25, 3859942.96	1.82E-03	5.75E-07	2.44E-07	1.86E-03	5.86E-07	2.49E-07	1.86E-03	5.86E-07	2.49E-07
2445	496318.25, 3859942.96	1.70E-03	5.37E-07	2.28E-07	1.74E-03	5.48E-07	2.33E-07	1.74E-03	5.48E-07	2.32E-07
2446	496418.25, 3859942.96	1.57E-03	4.94E-07	2.10E-07	1.60E-03	5.05E-07	2.14E-07	1.60E-03	5.04E-07	2.14E-07
2447	496856.82, 3858864.83	9.90E-04	3.12E-07	1.33E-07	1.01E-03	3.19E-07	1.35E-07	1.01E-03	3.18E-07	1.35E-07
2448	496956.82, 3858864.83	9.72E-04	3.07E-07	1.30E-07	9.92E-04	3.13E-07	1.33E-07	9.91E-04	3.13E-07	1.33E-07
2449	497056.82, 3858864.83	9.56E-04	3.02E-07	1.28E-07	9.75E-04	3.08E-07	1.31E-07	9.74E-04	3.07E-07	1.30E-07
2450	497156.82, 3858864.83	9.36E-04	2.96E-07	1.25E-07	9.56E-04	3.02E-07	1.28E-07	9.54E-04	3.01E-07	1.28E-07
2451	497256.82, 3858864.83	9.28E-04	2.93E-07	1.24E-07	9.47E-04	2.99E-07	1.27E-07	9.46E-04	2.98E-07	1.27E-07
2452	496856.82, 3858964.83	1.05E-03	3.32E-07	1.41E-07	1.07E-03	3.39E-07	1.44E-07	1.07E-03	3.38E-07	1.44E-07
2453	496956.82, 3858964.83	1.03E-03	3.24E-07	1.37E-07	1.05E-03	3.30E-07	1.40E-07	1.05E-03	3.30E-07	1.40E-07
2454	497056.82, 3858964.83	1.01E-03	3.18E-07	1.35E-07	1.03E-03	3.24E-07	1.37E-07	1.03E-03	3.24E-07	1.37E-07
2455	497156.82, 3858964.83	9.86E-04	3.11E-07	1.32E-07	1.01E-03	3.17E-07	1.35E-07	1.00E-03	3.17E-07	1.35E-07
2456	497256.82, 3858964.83	9.88E-04	3.12E-07	1.32E-07	1.01E-03	3.18E-07	1.35E-07	1.01E-03	3.18E-07	1.35E-07
2457	496856.82, 3859064.83	1.10E-03	3.48E-07	1.48E-07	1.12E-03	3.55E-07	1.51E-07	1.12E-03	3.54E-07	1.50E-07
2458	496956.82, 3859064.83	1.08E-03	3.40E-07	1.44E-07	1.10E-03	3.47E-07	1.47E-07	1.10E-03	3.47E-07	1.47E-07
2459	497056.82, 3859064.83	1.06E-03	3.34E-07	1.42E-07	1.08E-03	3.41E-07	1.45E-07	1.08E-03	3.40E-07	1.44E-07
2460	497156.82, 3859064.83	1.04E-03	3.28E-07	1.39E-07	1.06E-03	3.35E-07	1.42E-07	1.06E-03	3.34E-07	1.42E-07
2461	497256.82, 3859064.83	1.05E-03	3.31E-07	1.40E-07	1.07E-03	3.38E-07	1.43E-07	1.07E-03	3.37E-07	1.43E-07
2462	496856.82, 3859164.83	1.14E-03	3.60E-07	1.53E-07	1.16E-03	3.68E-07	1.56E-07	1.16E-03	3.67E-07	1.56E-07
2463	496956.82, 3859164.83	1.11E-03	3.52E-07	1.49E-07	1.14E-03	3.59E-07	1.52E-07	1.14E-03	3.58E-07	1.52E-07
2464	497056.82, 3859164.83	1.10E-03	3.47E-07	1.47E-07	1.12E-03	3.54E-07	1.50E-07	1.12E-03	3.53E-07	1.50E-07
2465	497156.82, 3859164.83	1.10E-03	3.46E-07	1.47E-07	1.12E-03	3.53E-07	1.50E-07	1.12E-03	3.53E-07	1.50E-07
2466	497256.82, 3859164.83	1.11E-03	3.51E-07	1.49E-07	1.13E-03	3.58E-07	1.52E-07	1.13E-03	3.57E-07	1.52E-07
2467	496856.82, 3859264.83	1.17E-03	3.70E-07	1.57E-07	1.20E-03	3.77E-07	1.60E-07	1.19E-03	3.77E-07	1.60E-07
2468	496956.82, 3859264.83	1.16E-03	3.66E-07	1.55E-07	1.18E-03	3.74E-07	1.59E-07	1.18E-03	3.73E-07	1.58E-07
2469	497056.82, 3859264.83	1.16E-03	3.66E-07	1.55E-07	1.18E-03	3.73E-07	1.58E-07	1.18E-03	3.73E-07	1.58E-07
2470	497156.82, 3859264.83	1.16E-03	3.65E-07	1.55E-07	1.18E-03	3.72E-07	1.58E-07	1.18E-03	3.72E-07	1.58E-07
2471	497256.82, 3859264.83	1.17E-03	3.68E-07	1.56E-07	1.19E-03	3.75E-07	1.59E-07	1.19E-03	3.75E-07	1.59E-07
2472	497088.92, 3858620.93	8.21E-04	2.59E-07	1.10E-07	8.37E-04	2.64E-07	1.12E-07	8.36E-04	2.64E-07	1.12E-07
2473	497138.92, 3858620.93	8.19E-04	2.58E-07	1.10E-07	8.36E-04	2.64E-07	1.12E-07	8.35E-04	2.63E-07	1.12E-07
2474	497188.92, 3858620.93	8.16E-04	2.57E-07	1.09E-07	8.32E-04	2.63E-07	1.11E-07	8.31E-04	2.62E-07	1.11E-07
2475	497238.92, 3858620.93	8.11E-04	2.56E-07	1.09E-07	8.28E-04	2.61E-07	1.11E-07	8.27E-04	2.61E-07	1.11E-07
2476	497088.92, 3858670.93	8.40E-04	2.65E-07	1.12E-07	8.57E-04	2.70E-07	1.15E-07	8.56E-04	2.70E-07	1.15E-07

2477	497138.92, 3858670.93	8.42E-04	2.66E-07	1.13E-07	8.59E-04	2.71E-07	1.15E-07	8.58E-04	2.71E-07	1.15E-07
2478	497188.92, 3858670.93	8.34E-04	2.63E-07	1.12E-07	8.52E-04	2.69E-07	1.14E-07	8.51E-04	2.68E-07	1.14E-07
2479	497238.92, 3858670.93	8.32E-04	2.63E-07	1.11E-07	8.49E-04	2.68E-07	1.14E-07	8.48E-04	2.68E-07	1.14E-07
2480	497088.92, 3858720.93	8.72E-04	2.75E-07	1.17E-07	8.89E-04	2.81E-07	1.19E-07	8.88E-04	2.80E-07	1.19E-07
2481	497138.92, 3858720.93	8.53E-04	2.69E-07	1.14E-07	8.70E-04	2.75E-07	1.17E-07	8.69E-04	2.74E-07	1.16E-07
2482	497188.92, 3858720.93	8.48E-04	2.68E-07	1.14E-07	8.65E-04	2.73E-07	1.16E-07	8.64E-04	2.73E-07	1.16E-07
2483	497238.92, 3858720.93	8.55E-04	2.70E-07	1.15E-07	8.73E-04	2.75E-07	1.17E-07	8.72E-04	2.75E-07	1.17E-07
2484	497088.92, 3858770.93	8.93E-04	2.82E-07	1.20E-07	9.11E-04	2.87E-07	1.22E-07	9.10E-04	2.87E-07	1.22E-07
2485	497138.92, 3858770.93	8.83E-04	2.79E-07	1.18E-07	9.01E-04	2.85E-07	1.21E-07	9.00E-04	2.84E-07	1.21E-07
2486	497188.92, 3858770.93	8.74E-04	2.76E-07	1.17E-07	8.92E-04	2.81E-07	1.19E-07	8.91E-04	2.81E-07	1.19E-07
2487	497238.92, 3858770.93	8.79E-04	2.78E-07	1.18E-07	8.97E-04	2.83E-07	1.20E-07	8.96E-04	2.83E-07	1.20E-07
2488	497396.65, 3858622.63	8.36E-04	2.64E-07	1.12E-07	8.53E-04	2.69E-07	1.14E-07	8.52E-04	2.69E-07	1.14E-07
2489	497496.65, 3858622.63	8.49E-04	2.68E-07	1.14E-07	8.67E-04	2.74E-07	1.16E-07	8.66E-04	2.73E-07	1.16E-07
2490	497596.65, 3858622.63	8.74E-04	2.76E-07	1.17E-07	8.92E-04	2.82E-07	1.19E-07	8.91E-04	2.81E-07	1.19E-07
2491	497696.65, 3858622.63	8.83E-04	2.79E-07	1.18E-07	9.01E-04	2.85E-07	1.21E-07	9.00E-04	2.84E-07	1.21E-07
2492	497796.65, 3858622.63	9.00E-04	2.84E-07	1.21E-07	9.19E-04	2.90E-07	1.23E-07	9.17E-04	2.90E-07	1.23E-07
2493	497896.65, 3858622.63	9.18E-04	2.90E-07	1.23E-07	9.36E-04	2.96E-07	1.25E-07	9.35E-04	2.95E-07	1.25E-07
2494	497396.65, 3858722.63	8.85E-04	2.79E-07	1.18E-07	9.03E-04	2.85E-07	1.21E-07	9.02E-04	2.85E-07	1.21E-07
2495	497496.65, 3858722.63	8.98E-04	2.83E-07	1.20E-07	9.16E-04	2.89E-07	1.23E-07	9.15E-04	2.89E-07	1.23E-07
2496	497596.65, 3858722.63	9.24E-04	2.92E-07	1.24E-07	9.43E-04	2.98E-07	1.26E-07	9.42E-04	2.97E-07	1.26E-07
2497	497696.65, 3858722.63	9.37E-04	2.96E-07	1.26E-07	9.56E-04	3.02E-07	1.28E-07	9.55E-04	3.02E-07	1.28E-07
2498	497796.65, 3858722.63	9.44E-04	2.98E-07	1.26E-07	9.63E-04	3.04E-07	1.29E-07	9.62E-04	3.04E-07	1.29E-07
2499	497896.65, 3858722.63	9.55E-04	3.01E-07	1.28E-07	9.75E-04	3.08E-07	1.30E-07	9.73E-04	3.07E-07	1.30E-07
2500	497396.65, 3858822.63	9.28E-04	2.93E-07	1.24E-07	9.47E-04	2.99E-07	1.27E-07	9.46E-04	2.98E-07	1.27E-07
2501	497496.65, 3858822.63	9.38E-04	2.96E-07	1.26E-07	9.57E-04	3.02E-07	1.28E-07	9.56E-04	3.02E-07	1.28E-07
2502	497596.65, 3858822.63	9.66E-04	3.05E-07	1.29E-07	9.85E-04	3.11E-07	1.32E-07	9.84E-04	3.11E-07	1.32E-07
2503	497696.65, 3858822.63	9.78E-04	3.09E-07	1.31E-07	9.98E-04	3.15E-07	1.34E-07	9.97E-04	3.15E-07	1.33E-07
2504	497796.65, 3858822.63	9.81E-04	3.10E-07	1.31E-07	1.00E-03	3.16E-07	1.34E-07	1.00E-03	3.16E-07	1.34E-07
2505	497896.65, 3858822.63	1.01E-03	3.17E-07	1.35E-07	1.03E-03	3.24E-07	1.37E-07	1.02E-03	3.23E-07	1.37E-07
2506	497396.65, 3858922.63	9.74E-04	3.07E-07	1.30E-07	9.94E-04	3.14E-07	1.33E-07	9.93E-04	3.13E-07	1.33E-07
2507	497496.65, 3858922.63	9.99E-04	3.15E-07	1.34E-07	1.02E-03	3.22E-07	1.37E-07	1.02E-03	3.22E-07	1.36E-07
2508	497596.65, 3858922.63	9.94E-04	3.14E-07	1.33E-07	1.01E-03	3.20E-07	1.36E-07	1.01E-03	3.20E-07	1.36E-07
2509	497696.65, 3858922.63	1.02E-03	3.23E-07	1.37E-07	1.04E-03	3.29E-07	1.40E-07	1.04E-03	3.29E-07	1.40E-07
2510	497796.65, 3858922.63	1.04E-03	3.29E-07	1.39E-07	1.06E-03	3.35E-07	1.42E-07	1.06E-03	3.35E-07	1.42E-07
2511	497896.65, 3858922.63	1.07E-03	3.37E-07	1.43E-07	1.09E-03	3.44E-07	1.46E-07	1.09E-03	3.44E-07	1.46E-07
2512	497364.44, 3858201.52	6.93E-04	2.19E-07	9.28E-08	7.07E-04	2.23E-07	9.47E-08	7.06E-04	2.23E-07	9.46E-08
2513	497414.44, 3858201.52	6.98E-04	2.20E-07	9.35E-08	7.13E-04	2.25E-07	9.54E-08	7.12E-04	2.25E-07	9.53E-08
2514	497464.44, 3858201.52	7.05E-04	2.22E-07	9.43E-08	7.19E-04	2.27E-07	9.63E-08	7.18E-04	2.27E-07	9.62E-08
2515	497514.44, 3858201.52	7.09E-04	2.24E-07	9.50E-08	7.24E-04	2.28E-07	9.69E-08	7.23E-04	2.28E-07	9.68E-08
2516	497564.44, 3858201.52	7.08E-04	2.23E-07	9.48E-08	7.22E-04	2.28E-07	9.67E-08	7.21E-04	2.28E-07	9.66E-08
2517	497614.44, 3858201.52	7.10E-04	2.24E-07	9.50E-08	7.24E-04	2.29E-07	9.70E-08	7.23E-04	2.28E-07	9.68E-08
2518	497364.44, 3858251.52	7.15E-04	2.26E-07	9.57E-08	7.29E-04	2.30E-07	9.76E-08	7.28E-04	2.30E-07	9.75E-08
2519	497414.44, 3858251.52	7.24E-04	2.29E-07	9.70E-08	7.39E-04	2.33E-07	9.89E-08	7.38E-04	2.33E-07	9.88E-08
2520	497464.44, 3858251.52	7.20E-04	2.27E-07	9.64E-08	7.34E-04	2.32E-07	9.83E-08	7.33E-04	2.31E-07	9.82E-08
2521	497514.44, 3858251.52	7.14E-04	2.25E-07	9.56E-08	7.29E-04	2.30E-07	9.76E-08	7.28E-04	2.30E-07	9.74E-08
2522	497564.44, 3858251.52	7.13E-04	2.25E-07	9.55E-08	7.27E-04	2.30E-07	9.74E-08	7.26E-04	2.29E-07	9.73E-08
2523	497614.44, 3858251.52	7.12E-04	2.25E-07	9.53E-08	7.26E-04	2.29E-07	9.72E-08	7.25E-04	2.29E-07	9.71E-08
2524	497364.44, 3858301.52	7.28E-04	2.30E-07	9.75E-08	7.43E-04	2.34E-07	9.95E-08	7.42E-04	2.34E-07	9.94E-08
2525	497414.44, 3858301.52	7.35E-04	2.32E-07	9.84E-08	7.50E-04	2.37E-07	1.00E-07	7.49E-04	2.36E-07	1.00E-07
2526	497464.44, 3858301.52	7.28E-04	2.30E-07	9.75E-08	7.43E-04	2.35E-07	9.95E-08	7.42E-04	2.34E-07	9.94E-08
2527	497514.44, 3858301.52	7.25E-04	2.29E-07	9.70E-08	7.39E-04	2.33E-07	9.90E-08	7.39E-04	2.33E-07	9.89E-08
2528	497564.44, 3858301.52	7.18E-04	2.27E-07	9.62E-08	7.33E-04	2.31E-07	9.82E-08	7.32E-04	2.31E-07	9.80E-08
2529	497614.44, 3858301.52	7.17E-04	2.26E-07	9.60E-08	7.31E-04	2.31E-07	9.79E-08	7.30E-04	2.31E-07	9.78E-08
2530	497364.44, 3858351.52	7.45E-04	2.35E-07	9.98E-08	7.60E-04	2.40E-07	1.02E-07	7.59E-04	2.40E-07	1.02E-07
2531	497414.44, 3858351.52	7.41E-04	2.34E-07	9.92E-08	7.56E-04	2.39E-07	1.01E-07	7.55E-04	2.38E-07	1.01E-07
2532	497464.44, 3858351.52	7.40E-04	2.34E-07	9.91E-08	7.55E-04	2.38E-07	1.01E-07	7.54E-04	2.38E-07	1.01E-07
2533	497514.44, 3858351.52	7.37E-04	2.33E-07	9.86E-08	7.52E-04	2.37E-07	1.01E-07	7.51E-04	2.37E-07	1.01E-07
2534	497564.44, 3858351.52	7.28E-04	2.30E-07	9.75E-08	7.43E-04	2.35E-07	9.95E-08	7.42E-04	2.34E-07	9.94E-08
2535	497614.44, 3858351.52	7.27E-04	2.29E-07	9.73E-08	7.42E-04	2.34E-07	9.93E-08	7.41E-04	2.34E-07	9.92E-08
2536	497364.44, 3858401.52	7.49E-04	2.37E-07	1.00E-07	7.65E-04	2.41E-07	1.02E-07	7.64E-04	2.41E-07	1.02E-07
2537	497414.44, 3858401.52	7.51E-04	2.37E-07	1.01E-07	7.66E-04	2.42E-07	1.03E-07	7.65E-04	2.42E-07	1.02E-07
2538	497464.44, 3858401.52	7.46E-04	2.36E-07	9.99E-08	7.62E-04	2.40E-07	1.02E-07	7.61E-04	2.40E-07	1.02E-07

2539	497514.44, 3858401.52	7.44E-04	2.35E-07	9.96E-08	7.59E-04	2.40E-07	1.02E-07	7.58E-04	2.39E-07	1.02E-07
2540	497564.44, 3858401.52	7.51E-04	2.37E-07	1.01E-07	7.66E-04	2.42E-07	1.03E-07	7.65E-04	2.42E-07	1.02E-07
2541	497614.44, 3858401.52	7.55E-04	2.38E-07	1.01E-07	7.71E-04	2.43E-07	1.03E-07	7.70E-04	2.43E-07	1.03E-07
2542	493478.11, 3860497.94	5.42E-03	1.71E-06	7.26E-07	5.53E-03	1.75E-06	7.41E-07	5.52E-03	1.74E-06	7.40E-07
2543	493528.11, 3860497.94	5.28E-03	1.67E-06	7.07E-07	5.38E-03	1.70E-06	7.21E-07	5.38E-03	1.70E-06	7.20E-07
2544	493478.11, 3860547.94	5.23E-03	1.65E-06	7.00E-07	5.34E-03	1.68E-06	7.15E-07	5.33E-03	1.68E-06	7.14E-07
2545	493528.11, 3860547.94	5.10E-03	1.61E-06	6.82E-07	5.20E-03	1.64E-06	6.96E-07	5.19E-03	1.64E-06	6.95E-07
2546	493478.11, 3860597.94	5.02E-03	1.58E-06	6.72E-07	5.12E-03	1.62E-06	6.86E-07	5.12E-03	1.61E-06	6.85E-07
2547	493528.11, 3860597.94	4.89E-03	1.54E-06	6.55E-07	4.99E-03	1.58E-06	6.68E-07	4.99E-03	1.57E-06	6.68E-07
2548	493561.88, 3860524.64	5.09E-03	1.61E-06	6.82E-07	5.20E-03	1.64E-06	6.96E-07	5.19E-03	1.64E-06	6.95E-07
2549	493591.88, 3860524.64	5.01E-03	1.58E-06	6.71E-07	5.11E-03	1.61E-06	6.85E-07	5.11E-03	1.61E-06	6.84E-07
2550	493561.88, 3860554.64	4.98E-03	1.57E-06	6.67E-07	5.08E-03	1.60E-06	6.81E-07	5.08E-03	1.60E-06	6.80E-07
2551	493591.88, 3860554.64	4.91E-03	1.55E-06	6.57E-07	5.01E-03	1.58E-06	6.71E-07	5.00E-03	1.58E-06	6.70E-07
2552	492880.5, 3860293.11	9.01E-03	2.84E-06	1.21E-06	9.19E-03	2.90E-06	1.23E-06	9.18E-03	2.90E-06	1.23E-06
2553	492930.5, 3860293.11	8.62E-03	2.72E-06	1.15E-06	8.80E-03	2.78E-06	1.18E-06	8.79E-03	2.77E-06	1.18E-06
2554	492980.5, 3860293.11	8.25E-03	2.60E-06	1.10E-06	8.42E-03	2.66E-06	1.13E-06	8.41E-03	2.65E-06	1.13E-06
2555	493030.5, 3860293.11	7.75E-03	2.45E-06	1.04E-06	7.91E-03	2.50E-06	1.06E-06	7.90E-03	2.49E-06	1.06E-06
2556	493080.5, 3860293.11	7.18E-03	2.27E-06	9.62E-07	7.33E-03	2.31E-06	9.81E-07	7.32E-03	2.31E-06	9.80E-07
2557	493130.5, 3860293.11	7.16E-03	2.26E-06	9.59E-07	7.31E-03	2.31E-06	9.79E-07	7.30E-03	2.30E-06	9.78E-07
2558	493180.5, 3860293.11	7.06E-03	2.23E-06	9.45E-07	7.20E-03	2.27E-06	9.64E-07	7.19E-03	2.27E-06	9.63E-07
2559	493230.5, 3860293.11	6.85E-03	2.16E-06	9.17E-07	6.99E-03	2.21E-06	9.36E-07	6.98E-03	2.20E-06	9.35E-07
2560	493280.5, 3860293.11	6.56E-03	2.07E-06	8.78E-07	6.69E-03	2.11E-06	8.96E-07	6.69E-03	2.11E-06	8.95E-07
2561	493330.5, 3860293.11	6.32E-03	2.00E-06	8.47E-07	6.45E-03	2.04E-06	8.64E-07	6.45E-03	2.03E-06	8.63E-07
2562	493380.5, 3860293.11	6.12E-03	1.93E-06	8.20E-07	6.25E-03	1.97E-06	8.37E-07	6.24E-03	1.97E-06	8.36E-07
2563	492880.5, 3860343.11	8.95E-03	2.83E-06	1.20E-06	9.13E-03	2.88E-06	1.22E-06	9.12E-03	2.88E-06	1.22E-06
2564	492930.5, 3860343.11	8.58E-03	2.71E-06	1.15E-06	8.75E-03	2.76E-06	1.17E-06	8.74E-03	2.76E-06	1.17E-06
2565	492980.5, 3860343.11	8.08E-03	2.55E-06	1.08E-06	8.24E-03	2.60E-06	1.10E-06	8.23E-03	2.60E-06	1.10E-06
2566	493030.5, 3860343.11	7.77E-03	2.45E-06	1.04E-06	7.93E-03	2.50E-06	1.06E-06	7.92E-03	2.50E-06	1.06E-06
2567	493080.5, 3860343.11	7.29E-03	2.30E-06	9.76E-07	7.44E-03	2.35E-06	9.96E-07	7.43E-03	2.35E-06	9.95E-07
2568	493130.5, 3860343.11	7.11E-03	2.24E-06	9.52E-07	7.25E-03	2.29E-06	9.72E-07	7.25E-03	2.29E-06	9.70E-07
2569	493180.5, 3860343.11	7.00E-03	2.21E-06	9.37E-07	7.14E-03	2.25E-06	9.56E-07	7.13E-03	2.25E-06	9.55E-07
2570	493230.5, 3860343.11	6.78E-03	2.14E-06	9.08E-07	6.92E-03	2.18E-06	9.27E-07	6.91E-03	2.18E-06	9.26E-07
2571	493280.5, 3860343.11	6.51E-03	2.05E-06	8.71E-07	6.64E-03	2.10E-06	8.89E-07	6.63E-03	2.09E-06	8.88E-07
2572	493330.5, 3860343.11	6.26E-03	1.98E-06	8.39E-07	6.39E-03	2.02E-06	8.56E-07	6.38E-03	2.02E-06	8.55E-07
2573	493380.5, 3860343.11	6.07E-03	1.92E-06	8.13E-07	6.20E-03	1.96E-06	8.30E-07	6.19E-03	1.95E-06	8.29E-07
2574	492880.5, 3860393.11	8.78E-03	2.77E-06	1.18E-06	8.96E-03	2.83E-06	1.20E-06	8.95E-03	2.83E-06	1.20E-06
2575	492930.5, 3860393.11	8.41E-03	2.66E-06	1.13E-06	8.59E-03	2.71E-06	1.15E-06	8.58E-03	2.71E-06	1.15E-06
2576	492980.5, 3860393.11	8.03E-03	2.53E-06	1.08E-06	8.19E-03	2.59E-06	1.10E-06	8.18E-03	2.58E-06	1.10E-06
2577	493030.5, 3860393.11	7.67E-03	2.42E-06	1.03E-06	7.83E-03	2.47E-06	1.05E-06	7.82E-03	2.47E-06	1.05E-06
2578	493080.5, 3860393.11	7.23E-03	2.28E-06	9.69E-07	7.38E-03	2.33E-06	9.89E-07	7.37E-03	2.33E-06	9.87E-07
2579	493130.5, 3860393.11	7.06E-03	2.23E-06	9.45E-07	7.20E-03	2.27E-06	9.64E-07	7.19E-03	2.27E-06	9.63E-07
2580	493180.5, 3860393.11	6.91E-03	2.18E-06	9.25E-07	7.05E-03	2.22E-06	9.44E-07	7.04E-03	2.22E-06	9.43E-07
2581	493230.5, 3860393.11	6.67E-03	2.11E-06	8.94E-07	6.81E-03	2.15E-06	9.12E-07	6.80E-03	2.15E-06	9.11E-07
2582	493280.5, 3860393.11	6.40E-03	2.02E-06	8.57E-07	6.53E-03	2.06E-06	8.75E-07	6.52E-03	2.06E-06	8.74E-07
2583	493330.5, 3860393.11	6.17E-03	1.95E-06	8.26E-07	6.30E-03	1.99E-06	8.43E-07	6.29E-03	1.98E-06	8.42E-07
2584	493380.5, 3860393.11	5.98E-03	1.89E-06	8.00E-07	6.10E-03	1.93E-06	8.17E-07	6.09E-03	1.92E-06	8.16E-07
2585	492880.5, 3860443.11	8.50E-03	2.68E-06	1.14E-06	8.67E-03	2.74E-06	1.16E-06	8.66E-03	2.73E-06	1.16E-06
2586	492930.5, 3860443.11	8.15E-03	2.57E-06	1.09E-06	8.32E-03	2.63E-06	1.11E-06	8.31E-03	2.62E-06	1.11E-06
2587	492980.5, 3860443.11	7.83E-03	2.47E-06	1.05E-06	7.99E-03	2.52E-06	1.07E-06	7.98E-03	2.52E-06	1.07E-06
2588	493030.5, 3860443.11	7.51E-03	2.37E-06	1.01E-06	7.66E-03	2.42E-06	1.03E-06	7.65E-03	2.42E-06	1.02E-06
2589	493080.5, 3860443.11	7.23E-03	2.28E-06	9.68E-07	7.37E-03	2.33E-06	9.87E-07	7.36E-03	2.32E-06	9.86E-07
2590	493130.5, 3860443.11	6.96E-03	2.20E-06	9.32E-07	7.10E-03	2.24E-06	9.51E-07	7.10E-03	2.24E-06	9.50E-07
2591	493180.5, 3860443.11	6.76E-03	2.13E-06	9.05E-07	6.90E-03	2.18E-06	9.24E-07	6.89E-03	2.17E-06	9.23E-07
2592	493230.5, 3860443.11	6.50E-03	2.05E-06	8.70E-07	6.63E-03	2.09E-06	8.88E-07	6.62E-03	2.09E-06	8.87E-07
2593	493280.5, 3860443.11	6.27E-03	1.98E-06	8.39E-07	6.40E-03	2.02E-06	8.57E-07	6.39E-03	2.02E-06	8.56E-07
2594	493330.5, 3860443.11	6.03E-03	1.90E-06	8.07E-07	6.15E-03	1.94E-06	8.23E-07	6.14E-03	1.94E-06	8.22E-07
2595	493380.5, 3860443.11	5.86E-03	1.85E-06	7.85E-07	5.98E-03	1.89E-06	8.01E-07	5.97E-03	1.89E-06	8.00E-07
2596	493180.5, 3860493.11	6.52E-03	2.06E-06	8.73E-07	6.65E-03	2.10E-06	8.91E-07	6.65E-03	2.10E-06	8.90E-07
2597	493230.5, 3860493.11	6.30E-03	1.99E-06	8.43E-07	6.43E-03	2.03E-06	8.61E-07	6.42E-03	2.03E-06	8.60E-07
2598	493280.5, 3860493.11	6.08E-03	1.92E-06	8.14E-07	6.21E-03	1.96E-06	8.31E-07	6.20E-03	1.96E-06	8.30E-07
2599	493330.5, 3860493.11	5.88E-03	1.86E-06	7.88E-07	6.00E-03	1.90E-06	8.04E-07	6.00E-03	1.89E-06	8.03E-07
2600	493380.5, 3860493.11	5.72E-03	1.81E-06	7.66E-07	5.84E-03	1.84E-06	7.82E-07	5.83E-03	1.84E-06	7.81E-07

2601	493330.5, 3860543.11	5.68E-03	1.79E-06	7.61E-07	5.80E-03	1.83E-06	7.76E-07	5.79E-03	1.83E-06	7.75E-07
2602	493380.5, 3860543.11	5.53E-03	1.74E-06	7.40E-07	5.64E-03	1.78E-06	7.55E-07	5.63E-03	1.78E-06	7.54E-07
2603	494135.94, 3860876.85	3.04E-03	9.58E-07	4.07E-07	3.10E-03	9.78E-07	4.15E-07	3.09E-03	9.77E-07	4.14E-07
2604	494185.94, 3860876.85	2.99E-03	9.44E-07	4.01E-07	3.05E-03	9.63E-07	4.09E-07	3.05E-03	9.62E-07	4.08E-07
2605	494135.94, 3860926.85	2.90E-03	9.16E-07	3.89E-07	2.96E-03	9.35E-07	3.97E-07	2.96E-03	9.34E-07	3.96E-07
2606	494185.94, 3860926.85	2.86E-03	9.04E-07	3.84E-07	2.92E-03	9.23E-07	3.91E-07	2.92E-03	9.21E-07	3.91E-07
2607	494135.94, 3860976.85	2.77E-03	8.75E-07	3.71E-07	2.83E-03	8.93E-07	3.79E-07	2.83E-03	8.92E-07	3.79E-07
2608	494185.94, 3860976.85	2.74E-03	8.65E-07	3.67E-07	2.80E-03	8.82E-07	3.74E-07	2.79E-03	8.81E-07	3.74E-07
2609	494135.94, 3861026.85	2.64E-03	8.35E-07	3.54E-07	2.70E-03	8.52E-07	3.61E-07	2.70E-03	8.51E-07	3.61E-07
2610	494185.94, 3861026.85	2.62E-03	8.26E-07	3.50E-07	2.67E-03	8.42E-07	3.57E-07	2.67E-03	8.41E-07	3.57E-07
2611	494135.94, 3861076.85	2.52E-03	7.96E-07	3.38E-07	2.57E-03	8.12E-07	3.44E-07	2.57E-03	8.11E-07	3.44E-07
2612	494185.94, 3861076.85	2.49E-03	7.87E-07	3.34E-07	2.55E-03	8.04E-07	3.41E-07	2.54E-03	8.03E-07	3.41E-07
2613	490360.04, 3858710.04	4.73E-03	1.49E-06	6.34E-07	4.83E-03	1.52E-06	6.47E-07	4.82E-03	1.52E-06	6.46E-07
2614	490410.04, 3858710.04	4.62E-03	1.46E-06	6.18E-07	4.71E-03	1.49E-06	6.31E-07	4.71E-03	1.49E-06	6.30E-07
2615	490460.04, 3858710.04	4.45E-03	1.41E-06	5.96E-07	4.55E-03	1.43E-06	6.09E-07	4.54E-03	1.43E-06	6.08E-07
2616	490510.04, 3858710.04	4.35E-03	1.37E-06	5.82E-07	4.43E-03	1.40E-06	5.94E-07	4.43E-03	1.40E-06	5.93E-07
2617	490560.04, 3858710.04	4.26E-03	1.34E-06	5.70E-07	4.34E-03	1.37E-06	5.82E-07	4.34E-03	1.37E-06	5.81E-07
2618	490610.04, 3858710.04	4.16E-03	1.31E-06	5.57E-07	4.25E-03	1.34E-06	5.69E-07	4.24E-03	1.34E-06	5.68E-07
2619	490660.04, 3858710.04	4.12E-03	1.30E-06	5.51E-07	4.20E-03	1.33E-06	5.62E-07	4.19E-03	1.32E-06	5.62E-07
2620	490710.04, 3858710.04	3.99E-03	1.26E-06	5.35E-07	4.08E-03	1.29E-06	5.46E-07	4.07E-03	1.29E-06	5.45E-07
2621	490760.04, 3858710.04	3.89E-03	1.23E-06	5.22E-07	3.97E-03	1.25E-06	5.32E-07	3.97E-03	1.25E-06	5.32E-07
2622	490810.04, 3858710.04	3.80E-03	1.20E-06	5.08E-07	3.87E-03	1.22E-06	5.19E-07	3.87E-03	1.22E-06	5.18E-07
2623	490860.04, 3858710.04	3.67E-03	1.16E-06	4.92E-07	3.75E-03	1.18E-06	5.02E-07	3.74E-03	1.18E-06	5.01E-07
2624	490360.04, 3858760.04	5.33E-03	1.68E-06	7.13E-07	5.44E-03	1.72E-06	7.28E-07	5.43E-03	1.71E-06	7.27E-07
2625	490410.04, 3858760.04	5.17E-03	1.63E-06	6.92E-07	5.27E-03	1.66E-06	7.06E-07	5.27E-03	1.66E-06	7.05E-07
2626	490460.04, 3858760.04	4.99E-03	1.58E-06	6.69E-07	5.09E-03	1.61E-06	6.82E-07	5.09E-03	1.61E-06	6.81E-07
2627	490510.04, 3858760.04	4.82E-03	1.52E-06	6.45E-07	4.91E-03	1.55E-06	6.58E-07	4.91E-03	1.55E-06	6.57E-07
2628	490560.04, 3858760.04	4.68E-03	1.48E-06	6.27E-07	4.78E-03	1.51E-06	6.40E-07	4.77E-03	1.51E-06	6.39E-07
2629	490610.04, 3858760.04	4.54E-03	1.43E-06	6.08E-07	4.63E-03	1.46E-06	6.20E-07	4.63E-03	1.46E-06	6.20E-07
2630	490660.04, 3858760.04	4.42E-03	1.39E-06	5.92E-07	4.51E-03	1.42E-06	6.04E-07	4.50E-03	1.42E-06	6.03E-07
2631	490710.04, 3858760.04	4.30E-03	1.36E-06	5.76E-07	4.39E-03	1.38E-06	5.87E-07	4.38E-03	1.38E-06	5.87E-07
2632	490760.04, 3858760.04	4.16E-03	1.31E-06	5.57E-07	4.24E-03	1.34E-06	5.68E-07	4.24E-03	1.34E-06	5.68E-07
2633	490810.04, 3858760.04	4.03E-03	1.27E-06	5.40E-07	4.11E-03	1.30E-06	5.51E-07	4.11E-03	1.30E-06	5.50E-07
2634	490860.04, 3858760.04	3.93E-03	1.24E-06	5.26E-07	4.01E-03	1.26E-06	5.37E-07	4.00E-03	1.26E-06	5.36E-07
2635	490360.04, 3858810.04	5.95E-03	1.88E-06	7.96E-07	6.07E-03	1.91E-06	8.12E-07	6.06E-03	1.91E-06	8.11E-07
2636	490410.04, 3858810.04	5.73E-03	1.81E-06	7.68E-07	5.85E-03	1.85E-06	7.83E-07	5.84E-03	1.84E-06	7.82E-07
2637	490460.04, 3858810.04	5.52E-03	1.74E-06	7.39E-07	5.63E-03	1.78E-06	7.54E-07	5.62E-03	1.78E-06	7.53E-07
2638	490510.04, 3858810.04	5.36E-03	1.69E-06	7.17E-07	5.47E-03	1.72E-06	7.32E-07	5.46E-03	1.72E-06	7.31E-07
2639	490560.04, 3858810.04	5.19E-03	1.64E-06	6.95E-07	5.29E-03	1.67E-06	7.09E-07	5.29E-03	1.67E-06	7.08E-07
2640	490610.04, 3858810.04	4.98E-03	1.57E-06	6.66E-07	5.08E-03	1.60E-06	6.80E-07	5.07E-03	1.60E-06	6.79E-07
2641	490660.04, 3858810.04	4.81E-03	1.52E-06	6.44E-07	4.91E-03	1.55E-06	6.58E-07	4.90E-03	1.55E-06	6.57E-07
2642	490710.04, 3858810.04	4.64E-03	1.46E-06	6.21E-07	4.73E-03	1.49E-06	6.34E-07	4.73E-03	1.49E-06	6.33E-07
2643	490760.04, 3858810.04	4.43E-03	1.40E-06	5.93E-07	4.52E-03	1.43E-06	6.05E-07	4.52E-03	1.43E-06	6.05E-07
2644	490810.04, 3858810.04	4.34E-03	1.37E-06	5.81E-07	4.43E-03	1.40E-06	5.93E-07	4.43E-03	1.40E-06	5.93E-07
2645	490860.04, 3858810.04	4.19E-03	1.32E-06	5.61E-07	4.27E-03	1.35E-06	5.72E-07	4.27E-03	1.35E-06	5.71E-07
2646	490360.04, 3858860.04	6.56E-03	2.07E-06	8.79E-07	6.70E-03	2.11E-06	8.97E-07	6.69E-03	2.11E-06	8.96E-07
2647	490410.04, 3858860.04	6.39E-03	2.02E-06	8.55E-07	6.52E-03	2.06E-06	8.73E-07	6.51E-03	2.05E-06	8.72E-07
2648	490460.04, 3858860.04	6.10E-03	1.92E-06	8.17E-07	6.22E-03	1.96E-06	8.33E-07	6.22E-03	1.96E-06	8.32E-07
2649	490510.04, 3858860.04	5.95E-03	1.88E-06	7.96E-07	6.07E-03	1.92E-06	8.13E-07	6.06E-03	1.91E-06	8.12E-07
2650	490560.04, 3858860.04	5.70E-03	1.80E-06	7.64E-07	5.82E-03	1.84E-06	7.80E-07	5.81E-03	1.84E-06	7.79E-07
2651	490610.04, 3858860.04	5.41E-03	1.71E-06	7.24E-07	5.52E-03	1.74E-06	7.39E-07	5.51E-03	1.74E-06	7.38E-07
2652	490660.04, 3858860.04	5.21E-03	1.65E-06	6.98E-07	5.32E-03	1.68E-06	7.12E-07	5.31E-03	1.68E-06	7.12E-07
2653	490710.04, 3858860.04	5.07E-03	1.60E-06	6.79E-07	5.17E-03	1.63E-06	6.93E-07	5.17E-03	1.63E-06	6.92E-07
2654	490760.04, 3858860.04	4.83E-03	1.53E-06	6.47E-07	4.93E-03	1.56E-06	6.60E-07	4.93E-03	1.55E-06	6.60E-07
2655	490810.04, 3858860.04	4.63E-03	1.46E-06	6.19E-07	4.72E-03	1.49E-06	6.32E-07	4.71E-03	1.49E-06	6.31E-07
2656	490860.04, 3858860.04	4.42E-03	1.40E-06	5.93E-07	4.52E-03	1.43E-06	6.05E-07	4.51E-03	1.42E-06	6.04E-07
2657	490360.04, 3858910.04	7.42E-03	2.34E-06	9.94E-07	7.57E-03	2.39E-06	1.01E-06	7.56E-03	2.39E-06	1.01E-06
2658	490410.04, 3858910.04	7.12E-03	2.25E-06	9.54E-07	7.27E-03	2.29E-06	9.73E-07	7.26E-03	2.29E-06	9.72E-07
2659	490460.04, 3858910.04	6.82E-03	2.15E-06	9.13E-07	6.96E-03	2.20E-06	9.32E-07	6.95E-03	2.19E-06	9.31E-07
2660	490510.04, 3858910.04	6.51E-03	2.05E-06	8.72E-07	6.64E-03	2.10E-06	8.89E-07	6.63E-03	2.09E-06	8.88E-07
2661	490560.04, 3858910.04	6.19E-03	1.95E-06	8.29E-07	6.32E-03	1.99E-06	8.46E-07	6.31E-03	1.99E-06	8.45E-07
2662	490610.04, 3858910.04	5.89E-03	1.86E-06	7.89E-07	6.01E-03	1.90E-06	8.05E-07	6.00E-03	1.89E-06	8.04E-07

2663	490660.04, 3858910.04	5.65E-03	1.78E-06	7.57E-07	5.77E-03	1.82E-06	7.73E-07	5.76E-03	1.82E-06	7.72E-07
2664	490710.04, 3858910.04	5.40E-03	1.70E-06	7.23E-07	5.51E-03	1.74E-06	7.38E-07	5.50E-03	1.74E-06	7.37E-07
2665	490760.04, 3858910.04	5.12E-03	1.61E-06	6.85E-07	5.22E-03	1.65E-06	6.99E-07	5.21E-03	1.65E-06	6.98E-07
2666	490810.04, 3858910.04	4.92E-03	1.55E-06	6.59E-07	5.02E-03	1.59E-06	6.73E-07	5.02E-03	1.58E-06	6.72E-07
2667	490860.04, 3858910.04	4.67E-03	1.48E-06	6.26E-07	4.77E-03	1.51E-06	6.39E-07	4.76E-03	1.50E-06	6.38E-07
2668	490360.04, 3858960.04	8.23E-03	2.60E-06	1.10E-06	8.40E-03	2.65E-06	1.12E-06	8.39E-03	2.65E-06	1.12E-06
2669	490410.04, 3858960.04	7.82E-03	2.47E-06	1.05E-06	7.98E-03	2.52E-06	1.07E-06	7.97E-03	2.52E-06	1.07E-06
2670	490460.04, 3858960.04	7.41E-03	2.34E-06	9.92E-07	7.56E-03	2.39E-06	1.01E-06	7.55E-03	2.38E-06	1.01E-06
2671	490510.04, 3858960.04	7.05E-03	2.23E-06	9.45E-07	7.20E-03	2.27E-06	9.64E-07	7.19E-03	2.27E-06	9.63E-07
2672	490560.04, 3858960.04	6.72E-03	2.12E-06	9.00E-07	6.86E-03	2.16E-06	9.18E-07	6.85E-03	2.16E-06	9.17E-07
2673	490610.04, 3858960.04	6.32E-03	2.00E-06	8.47E-07	6.45E-03	2.04E-06	8.64E-07	6.45E-03	2.03E-06	8.63E-07
2674	490660.04, 3858960.04	6.12E-03	1.93E-06	8.20E-07	6.25E-03	1.97E-06	8.37E-07	6.24E-03	1.97E-06	8.36E-07
2675	490710.04, 3858960.04	5.78E-03	1.82E-06	7.73E-07	5.89E-03	1.86E-06	7.89E-07	5.89E-03	1.86E-06	7.88E-07
2676	490760.04, 3858960.04	5.49E-03	1.73E-06	7.35E-07	5.60E-03	1.77E-06	7.50E-07	5.59E-03	1.77E-06	7.49E-07
2677	490810.04, 3858960.04	5.22E-03	1.65E-06	6.99E-07	5.32E-03	1.68E-06	7.13E-07	5.32E-03	1.68E-06	7.12E-07
2678	490860.04, 3858960.04	4.93E-03	1.55E-06	6.60E-07	5.03E-03	1.59E-06	6.73E-07	5.02E-03	1.58E-06	6.72E-07
2679	490360.04, 3859010.04	9.10E-03	2.87E-06	1.22E-06	9.29E-03	2.93E-06	1.24E-06	9.28E-03	2.93E-06	1.24E-06
2680	490410.04, 3859010.04	8.58E-03	2.71E-06	1.15E-06	8.75E-03	2.76E-06	1.17E-06	8.74E-03	2.76E-06	1.17E-06
2681	490460.04, 3859010.04	8.01E-03	2.53E-06	1.07E-06	8.17E-03	2.58E-06	1.09E-06	8.16E-03	2.58E-06	1.09E-06
2682	490510.04, 3859010.04	7.50E-03	2.37E-06	1.00E-06	7.65E-03	2.41E-06	1.02E-06	7.64E-03	2.41E-06	1.02E-06
2683	490560.04, 3859010.04	7.20E-03	2.27E-06	9.64E-07	7.35E-03	2.32E-06	9.84E-07	7.34E-03	2.32E-06	9.83E-07
2684	490610.04, 3859010.04	6.76E-03	2.13E-06	9.05E-07	6.90E-03	2.18E-06	9.24E-07	6.89E-03	2.17E-06	9.23E-07
2685	490660.04, 3859010.04	6.54E-03	2.07E-06	8.76E-07	6.68E-03	2.11E-06	8.94E-07	6.67E-03	2.11E-06	8.93E-07
2686	490710.04, 3859010.04	6.14E-03	1.94E-06	8.22E-07	6.27E-03	1.98E-06	8.39E-07	6.26E-03	1.98E-06	8.38E-07
2687	490760.04, 3859010.04	5.80E-03	1.83E-06	7.77E-07	5.92E-03	1.87E-06	7.93E-07	5.91E-03	1.87E-06	7.92E-07
2688	490810.04, 3859010.04	5.49E-03	1.73E-06	7.35E-07	5.60E-03	1.77E-06	7.50E-07	5.59E-03	1.76E-06	7.49E-07
2689	490860.04, 3859010.04	5.22E-03	1.65E-06	6.99E-07	5.32E-03	1.68E-06	7.13E-07	5.32E-03	1.68E-06	7.12E-07
2690	490360.04, 3859060.04	1.00E-02	3.16E-06	1.34E-06	1.02E-02	3.22E-06	1.37E-06	1.02E-02	3.22E-06	1.36E-06
2691	490410.04, 3859060.04	9.23E-03	2.91E-06	1.24E-06	9.41E-03	2.97E-06	1.26E-06	9.40E-03	2.97E-06	1.26E-06
2692	490460.04, 3859060.04	8.63E-03	2.72E-06	1.15E-06	8.80E-03	2.78E-06	1.18E-06	8.79E-03	2.77E-06	1.18E-06
2693	490510.04, 3859060.04	8.12E-03	2.56E-06	1.09E-06	8.29E-03	2.62E-06	1.11E-06	8.28E-03	2.61E-06	1.11E-06
2694	490560.04, 3859060.04	7.59E-03	2.39E-06	1.02E-06	7.74E-03	2.44E-06	1.04E-06	7.73E-03	2.44E-06	1.04E-06
2695	490610.04, 3859060.04	7.23E-03	2.28E-06	9.68E-07	7.38E-03	2.33E-06	9.88E-07	7.37E-03	2.33E-06	9.87E-07
2696	490660.04, 3859060.04	6.91E-03	2.18E-06	9.25E-07	7.05E-03	2.23E-06	9.44E-07	7.04E-03	2.22E-06	9.43E-07
2697	490710.04, 3859060.04	6.46E-03	2.04E-06	8.66E-07	6.60E-03	2.08E-06	8.83E-07	6.59E-03	2.08E-06	8.82E-07
2698	490760.04, 3859060.04	6.09E-03	1.92E-06	8.16E-07	6.22E-03	1.96E-06	8.33E-07	6.21E-03	1.96E-06	8.32E-07
2699	490810.04, 3859060.04	5.74E-03	1.81E-06	7.69E-07	5.86E-03	1.85E-06	7.85E-07	5.85E-03	1.85E-06	7.84E-07
2700	490860.04, 3859060.04	5.45E-03	1.72E-06	7.30E-07	5.56E-03	1.76E-06	7.45E-07	5.55E-03	1.75E-06	7.44E-07
2701	490360.04, 3859110.04	1.11E-02	3.50E-06	1.49E-06	1.13E-02	3.57E-06	1.52E-06	1.13E-02	3.57E-06	1.51E-06
2702	490410.04, 3859110.04	1.02E-02	3.21E-06	1.36E-06	1.04E-02	3.28E-06	1.39E-06	1.04E-02	3.27E-06	1.39E-06
2703	490460.04, 3859110.04	9.55E-03	3.01E-06	1.28E-06	9.74E-03	3.08E-06	1.30E-06	9.73E-03	3.07E-06	1.30E-06
2704	490510.04, 3859110.04	8.66E-03	2.73E-06	1.16E-06	8.84E-03	2.79E-06	1.18E-06	8.83E-03	2.79E-06	1.18E-06
2705	490560.04, 3859110.04	8.12E-03	2.56E-06	1.09E-06	8.29E-03	2.61E-06	1.11E-06	8.28E-03	2.61E-06	1.11E-06
2706	490610.04, 3859110.04	7.58E-03	2.39E-06	1.02E-06	7.74E-03	2.44E-06	1.04E-06	7.73E-03	2.44E-06	1.04E-06
2707	490660.04, 3859110.04	7.06E-03	2.23E-06	9.45E-07	7.20E-03	2.27E-06	9.64E-07	7.19E-03	2.27E-06	9.63E-07
2708	490710.04, 3859110.04	6.73E-03	2.12E-06	9.01E-07	6.87E-03	2.17E-06	9.19E-07	6.86E-03	2.16E-06	9.18E-07
2709	490760.04, 3859110.04	6.36E-03	2.01E-06	8.51E-07	6.49E-03	2.05E-06	8.69E-07	6.48E-03	2.05E-06	8.68E-07
2710	490810.04, 3859110.04	5.97E-03	1.88E-06	7.99E-07	6.09E-03	1.92E-06	8.15E-07	6.08E-03	1.92E-06	8.14E-07
2711	490860.04, 3859110.04	5.62E-03	1.77E-06	7.52E-07	5.73E-03	1.81E-06	7.68E-07	5.73E-03	1.81E-06	7.67E-07
2712	490360.04, 3859160.04	1.24E-02	3.91E-06	1.66E-06	1.26E-02	3.99E-06	1.69E-06	1.26E-02	3.99E-06	1.69E-06
2713	490410.04, 3859160.04	1.14E-02	3.58E-06	1.52E-06	1.16E-02	3.66E-06	1.55E-06	1.16E-02	3.65E-06	1.55E-06
2714	490460.04, 3859160.04	1.05E-02	3.31E-06	1.40E-06	1.07E-02	3.37E-06	1.43E-06	1.07E-02	3.37E-06	1.43E-06
2715	490510.04, 3859160.04	9.66E-03	3.05E-06	1.29E-06	9.86E-03	3.11E-06	1.32E-06	9.85E-03	3.11E-06	1.32E-06
2716	490560.04, 3859160.04	8.82E-03	2.78E-06	1.18E-06	9.00E-03	2.84E-06	1.21E-06	8.99E-03	2.84E-06	1.20E-06
2717	490610.04, 3859160.04	8.27E-03	2.61E-06	1.11E-06	8.44E-03	2.66E-06	1.13E-06	8.43E-03	2.66E-06	1.13E-06
2718	490660.04, 3859160.04	7.41E-03	2.34E-06	9.92E-07	7.56E-03	2.39E-06	1.01E-06	7.55E-03	2.38E-06	1.01E-06
2719	490710.04, 3859160.04	7.03E-03	2.22E-06	9.41E-07	7.17E-03	2.26E-06	9.61E-07	7.17E-03	2.26E-06	9.60E-07
2720	490760.04, 3859160.04	6.50E-03	2.05E-06	8.70E-07	6.63E-03	2.09E-06	8.88E-07	6.62E-03	2.09E-06	8.87E-07
2721	490810.04, 3859160.04	6.19E-03	1.95E-06	8.28E-07	6.31E-03	1.99E-06	8.45E-07	6.30E-03	1.99E-06	8.44E-07
2722	490860.04, 3859160.04	5.88E-03	1.85E-06	7.87E-07	6.00E-03	1.89E-06	8.03E-07	5.99E-03	1.89E-06	8.02E-07
2723	490360.04, 3859210.04	1.39E-02	4.37E-06	1.86E-06	1.41E-02	4.46E-06	1.89E-06	1.41E-02	4.46E-06	1.89E-06
2724	490410.04, 3859210.04	1.30E-02	4.10E-06	1.74E-06	1.32E-02	4.18E-06	1.77E-06	1.32E-02	4.18E-06	1.77E-06

2725	490460.04, 3859210.04	1.15E-02	3.64E-06	1.54E-06	1.18E-02	3.71E-06	1.58E-06	1.18E-02	3.71E-06	1.57E-06
2726	490510.04, 3859210.04	1.05E-02	3.33E-06	1.41E-06	1.08E-02	3.40E-06	1.44E-06	1.07E-02	3.39E-06	1.44E-06
2727	490560.04, 3859210.04	9.86E-03	3.11E-06	1.32E-06	1.01E-02	3.17E-06	1.35E-06	1.00E-02	3.17E-06	1.35E-06
2728	490610.04, 3859210.04	9.07E-03	2.86E-06	1.21E-06	9.26E-03	2.92E-06	1.24E-06	9.25E-03	2.92E-06	1.24E-06
2729	490660.04, 3859210.04	8.14E-03	2.57E-06	1.09E-06	8.30E-03	2.62E-06	1.11E-06	8.29E-03	2.62E-06	1.11E-06
2730	490710.04, 3859210.04	7.57E-03	2.39E-06	1.01E-06	7.72E-03	2.44E-06	1.03E-06	7.72E-03	2.44E-06	1.03E-06
2731	490760.04, 3859210.04	7.01E-03	2.21E-06	9.39E-07	7.16E-03	2.26E-06	9.58E-07	7.15E-03	2.26E-06	9.57E-07
2732	490810.04, 3859210.04	6.81E-03	2.15E-06	9.12E-07	6.95E-03	2.19E-06	9.30E-07	6.94E-03	2.19E-06	9.29E-07
2733	490860.04, 3859210.04	6.60E-03	2.08E-06	8.84E-07	6.74E-03	2.13E-06	9.02E-07	6.73E-03	2.12E-06	9.01E-07
2734	490360.04, 3859260.04	1.54E-02	4.85E-06	2.06E-06	1.57E-02	4.94E-06	2.10E-06	1.56E-02	4.94E-06	2.10E-06
2735	490410.04, 3859260.04	1.42E-02	4.48E-06	1.90E-06	1.45E-02	4.57E-06	1.94E-06	1.45E-02	4.57E-06	1.94E-06
2736	490460.04, 3859260.04	1.33E-02	4.19E-06	1.78E-06	1.35E-02	4.27E-06	1.81E-06	1.35E-02	4.27E-06	1.81E-06
2737	490510.04, 3859260.04	1.24E-02	3.90E-06	1.65E-06	1.26E-02	3.98E-06	1.69E-06	1.26E-02	3.97E-06	1.69E-06
2738	490560.04, 3859260.04	1.13E-02	3.57E-06	1.52E-06	1.16E-02	3.65E-06	1.55E-06	1.15E-02	3.64E-06	1.55E-06
2739	490610.04, 3859260.04	1.01E-02	3.19E-06	1.36E-06	1.03E-02	3.26E-06	1.38E-06	1.03E-02	3.26E-06	1.38E-06
2740	490660.04, 3859260.04	9.70E-03	3.06E-06	1.30E-06	9.90E-03	3.13E-06	1.33E-06	9.89E-03	3.12E-06	1.32E-06
2741	490710.04, 3859260.04	9.01E-03	2.85E-06	1.21E-06	9.20E-03	2.90E-06	1.23E-06	9.19E-03	2.90E-06	1.23E-06
2742	490760.04, 3859260.04	8.22E-03	2.60E-06	1.10E-06	8.39E-03	2.65E-06	1.12E-06	8.38E-03	2.65E-06	1.12E-06
2743	490810.04, 3859260.04	7.89E-03	2.49E-06	1.06E-06	8.05E-03	2.54E-06	1.08E-06	8.04E-03	2.54E-06	1.08E-06
2744	490860.04, 3859260.04	7.57E-03	2.39E-06	1.01E-06	7.72E-03	2.44E-06	1.03E-06	7.71E-03	2.43E-06	1.03E-06
2745	490360.04, 3859310.04	1.76E-02	5.56E-06	2.36E-06	1.80E-02	5.67E-06	2.41E-06	1.80E-02	5.67E-06	2.40E-06
2746	490410.04, 3859310.04	1.62E-02	5.11E-06	2.17E-06	1.65E-02	5.22E-06	2.21E-06	1.65E-02	5.21E-06	2.21E-06
2747	490460.04, 3859310.04	1.50E-02	4.74E-06	2.01E-06	1.53E-02	4.83E-06	2.05E-06	1.53E-02	4.83E-06	2.05E-06
2748	490510.04, 3859310.04	1.41E-02	4.44E-06	1.89E-06	1.44E-02	4.54E-06	1.92E-06	1.44E-02	4.53E-06	1.92E-06
2749	490560.04, 3859310.04	1.32E-02	4.15E-06	1.76E-06	1.34E-02	4.24E-06	1.80E-06	1.34E-02	4.23E-06	1.80E-06
2750	490610.04, 3859310.04	1.24E-02	3.91E-06	1.66E-06	1.26E-02	3.99E-06	1.69E-06	1.26E-02	3.99E-06	1.69E-06
2751	490660.04, 3859310.04	1.15E-02	3.64E-06	1.54E-06	1.18E-02	3.71E-06	1.58E-06	1.18E-02	3.71E-06	1.57E-06
2752	490710.04, 3859310.04	1.03E-02	3.25E-06	1.38E-06	1.05E-02	3.32E-06	1.41E-06	1.05E-02	3.32E-06	1.41E-06
2753	490760.04, 3859310.04	9.60E-03	3.03E-06	1.29E-06	9.80E-03	3.09E-06	1.31E-06	9.79E-03	3.09E-06	1.31E-06
2754	490810.04, 3859310.04	9.14E-03	2.89E-06	1.22E-06	9.33E-03	2.95E-06	1.25E-06	9.32E-03	2.94E-06	1.25E-06
2755	490860.04, 3859310.04	8.59E-03	2.71E-06	1.15E-06	8.76E-03	2.77E-06	1.17E-06	8.75E-03	2.76E-06	1.17E-06
2756	490360.04, 3859360.04	2.04E-02	6.45E-06	2.74E-06	2.09E-02	6.59E-06	2.79E-06	2.08E-02	6.58E-06	2.79E-06
2757	490410.04, 3859360.04	1.90E-02	5.99E-06	2.54E-06	1.94E-02	6.11E-06	2.59E-06	1.94E-02	6.11E-06	2.59E-06
2758	490460.04, 3859360.04	1.77E-02	5.60E-06	2.37E-06	1.81E-02	5.71E-06	2.42E-06	1.81E-02	5.70E-06	2.42E-06
2759	490510.04, 3859360.04	1.66E-02	5.23E-06	2.22E-06	1.69E-02	5.33E-06	2.26E-06	1.69E-02	5.33E-06	2.26E-06
2760	490560.04, 3859360.04	1.52E-02	4.81E-06	2.04E-06	1.55E-02	4.91E-06	2.08E-06	1.55E-02	4.90E-06	2.08E-06
2761	490610.04, 3859360.04	1.41E-02	4.44E-06	1.88E-06	1.44E-02	4.53E-06	1.92E-06	1.43E-02	4.52E-06	1.92E-06
2762	490660.04, 3859360.04	1.31E-02	4.14E-06	1.76E-06	1.34E-02	4.23E-06	1.79E-06	1.34E-02	4.22E-06	1.79E-06
2763	490710.04, 3859360.04	1.20E-02	3.80E-06	1.61E-06	1.23E-02	3.88E-06	1.64E-06	1.23E-02	3.87E-06	1.64E-06
2764	490760.04, 3859360.04	1.10E-02	3.48E-06	1.47E-06	1.12E-02	3.55E-06	1.50E-06	1.12E-02	3.54E-06	1.50E-06
2765	490810.04, 3859360.04	1.06E-02	3.34E-06	1.42E-06	1.08E-02	3.41E-06	1.45E-06	1.08E-02	3.41E-06	1.45E-06
2766	490860.04, 3859360.04	9.97E-03	3.15E-06	1.34E-06	1.02E-02	3.21E-06	1.36E-06	1.02E-02	3.21E-06	1.36E-06
2767	490360.04, 3859410.04	2.40E-02	7.58E-06	3.22E-06	2.45E-02	7.74E-06	3.28E-06	2.45E-02	7.73E-06	3.28E-06
2768	490410.04, 3859410.04	2.23E-02	7.04E-06	2.99E-06	2.28E-02	7.18E-06	3.05E-06	2.27E-02	7.17E-06	3.04E-06
2769	490460.04, 3859410.04	2.07E-02	6.54E-06	2.78E-06	2.12E-02	6.68E-06	2.83E-06	2.11E-02	6.67E-06	2.83E-06
2770	490510.04, 3859410.04	1.93E-02	6.08E-06	2.58E-06	1.97E-02	6.21E-06	2.63E-06	1.96E-02	6.20E-06	2.63E-06
2771	490560.04, 3859410.04	1.80E-02	5.67E-06	2.40E-06	1.83E-02	5.78E-06	2.45E-06	1.83E-02	5.78E-06	2.45E-06
2772	490610.04, 3859410.04	1.67E-02	5.28E-06	2.24E-06	1.71E-02	5.38E-06	2.28E-06	1.70E-02	5.38E-06	2.28E-06
2773	490660.04, 3859410.04	1.52E-02	4.79E-06	2.03E-06	1.55E-02	4.89E-06	2.08E-06	1.55E-02	4.89E-06	2.07E-06
2774	490710.04, 3859410.04	1.40E-02	4.41E-06	1.87E-06	1.43E-02	4.50E-06	1.91E-06	1.42E-02	4.49E-06	1.91E-06
2775	490760.04, 3859410.04	1.27E-02	4.01E-06	1.70E-06	1.30E-02	4.09E-06	1.73E-06	1.29E-02	4.08E-06	1.73E-06
2776	490810.04, 3859410.04	1.22E-02	3.84E-06	1.63E-06	1.24E-02	3.91E-06	1.66E-06	1.24E-02	3.91E-06	1.66E-06
2777	490860.04, 3859410.04	1.18E-02	3.71E-06	1.57E-06	1.20E-02	3.78E-06	1.61E-06	1.20E-02	3.78E-06	1.60E-06
2778	490360.04, 3859460.04	2.88E-02	9.09E-06	3.86E-06	2.94E-02	9.28E-06	3.94E-06	2.94E-02	9.27E-06	3.93E-06
2779	490410.04, 3859460.04	2.63E-02	8.29E-06	3.52E-06	2.68E-02	8.45E-06	3.59E-06	2.68E-02	8.44E-06	3.58E-06
2780	490460.04, 3859460.04	2.43E-02	7.67E-06	3.26E-06	2.48E-02	7.83E-06	3.32E-06	2.48E-02	7.82E-06	3.32E-06
2781	490510.04, 3859460.04	2.25E-02	7.12E-06	3.02E-06	2.30E-02	7.26E-06	3.08E-06	2.30E-02	7.25E-06	3.08E-06
2782	490560.04, 3859460.04	2.10E-02	6.63E-06	2.81E-06	2.14E-02	6.76E-06	2.87E-06	2.14E-02	6.75E-06	2.87E-06
2783	490610.04, 3859460.04	1.94E-02	6.12E-06	2.60E-06	1.98E-02	6.25E-06	2.65E-06	1.98E-02	6.24E-06	2.65E-06
2784	490660.04, 3859460.04	1.79E-02	5.64E-06	2.39E-06	1.82E-02	5.75E-06	2.44E-06	1.82E-02	5.75E-06	2.44E-06
2785	490710.04, 3859460.04	1.66E-02	5.25E-06	2.23E-06	1.70E-02	5.35E-06	2.27E-06	1.69E-02	5.35E-06	2.27E-06
2786	490760.04, 3859460.04	1.54E-02	4.86E-06	2.06E-06	1.57E-02	4.96E-06	2.10E-06	1.57E-02	4.95E-06	2.10E-06

2787	490810.04, 3859460.04	1.43E-02	4.51E-06	1.91E-06	1.46E-02	4.61E-06	1.95E-06	1.46E-02	4.60E-06	1.95E-06
2788	490860.04, 3859460.04	1.37E-02	4.31E-06	1.83E-06	1.39E-02	4.40E-06	1.87E-06	1.39E-02	4.40E-06	1.87E-06
2789	490360.04, 3859510.04	3.59E-02	1.13E-05	4.81E-06	3.66E-02	1.16E-05	4.90E-06	3.66E-02	1.15E-05	4.90E-06
2790	490410.04, 3859510.04	3.24E-02	1.02E-05	4.34E-06	3.31E-02	1.04E-05	4.43E-06	3.30E-02	1.04E-05	4.43E-06
2791	490460.04, 3859510.04	2.94E-02	9.27E-06	3.93E-06	3.00E-02	9.46E-06	4.01E-06	2.99E-02	9.44E-06	4.01E-06
2792	490510.04, 3859510.04	2.70E-02	8.52E-06	3.61E-06	2.75E-02	8.69E-06	3.69E-06	2.75E-02	8.68E-06	3.68E-06
2793	490560.04, 3859510.04	2.49E-02	7.87E-06	3.34E-06	2.54E-02	8.03E-06	3.41E-06	2.54E-02	8.02E-06	3.40E-06
2794	490610.04, 3859510.04	2.30E-02	7.25E-06	3.07E-06	2.34E-02	7.39E-06	3.14E-06	2.34E-02	7.38E-06	3.13E-06
2795	490660.04, 3859510.04	2.12E-02	6.68E-06	2.84E-06	2.16E-02	6.82E-06	2.89E-06	2.16E-02	6.81E-06	2.89E-06
2796	490710.04, 3859510.04	1.95E-02	6.16E-06	2.61E-06	1.99E-02	6.29E-06	2.67E-06	1.99E-02	6.28E-06	2.66E-06
2797	490760.04, 3859510.04	1.81E-02	5.70E-06	2.42E-06	1.84E-02	5.82E-06	2.47E-06	1.84E-02	5.81E-06	2.47E-06
2798	490810.04, 3859510.04	1.69E-02	5.35E-06	2.27E-06	1.73E-02	5.46E-06	2.32E-06	1.73E-02	5.45E-06	2.31E-06
2799	490860.04, 3859510.04	1.58E-02	4.99E-06	2.12E-06	1.61E-02	5.09E-06	2.16E-06	1.61E-02	5.09E-06	2.16E-06
2800	490360.04, 3859560.04	4.66E-02	1.47E-05	6.24E-06	4.76E-02	1.50E-05	6.37E-06	4.75E-02	1.50E-05	6.36E-06
2801	490410.04, 3859560.04	4.16E-02	1.31E-05	5.57E-06	4.24E-02	1.34E-05	5.68E-06	4.24E-02	1.34E-05	5.68E-06
2802	490460.04, 3859560.04	3.75E-02	1.18E-05	5.02E-06	3.82E-02	1.21E-05	5.12E-06	3.82E-02	1.21E-05	5.11E-06
2803	490510.04, 3859560.04	3.33E-02	1.05E-05	4.46E-06	3.40E-02	1.07E-05	4.55E-06	3.39E-02	1.07E-05	4.54E-06
2804	490560.04, 3859560.04	3.05E-02	9.63E-06	4.08E-06	3.11E-02	9.82E-06	4.17E-06	3.11E-02	9.81E-06	4.16E-06
2805	490610.04, 3859560.04	2.78E-02	8.78E-06	3.72E-06	2.84E-02	8.95E-06	3.80E-06	2.83E-02	8.94E-06	3.79E-06
2806	490660.04, 3859560.04	2.55E-02	8.06E-06	3.42E-06	2.60E-02	8.22E-06	3.49E-06	2.60E-02	8.21E-06	3.48E-06
2807	490710.04, 3859560.04	2.34E-02	7.38E-06	3.13E-06	2.39E-02	7.53E-06	3.20E-06	2.38E-02	7.53E-06	3.19E-06
2808	490760.04, 3859560.04	2.13E-02	6.71E-06	2.85E-06	2.17E-02	6.85E-06	2.91E-06	2.17E-02	6.84E-06	2.90E-06
2809	490810.04, 3859560.04	1.96E-02	6.20E-06	2.63E-06	2.00E-02	6.33E-06	2.68E-06	2.00E-02	6.32E-06	2.68E-06
2810	490860.04, 3859560.04	1.82E-02	5.73E-06	2.43E-06	1.85E-02	5.85E-06	2.48E-06	1.85E-02	5.84E-06	2.48E-06
2811	490187.25, 3859422.08	3.44E-02	1.09E-05	4.61E-06	3.51E-02	1.11E-05	4.70E-06	3.51E-02	1.11E-05	4.70E-06
2812	490237.25, 3859422.08	3.13E-02	9.87E-06	4.19E-06	3.19E-02	1.01E-05	4.27E-06	3.19E-02	1.01E-05	4.27E-06
2813	490287.25, 3859422.08	2.85E-02	8.99E-06	3.82E-06	2.91E-02	9.18E-06	3.89E-06	2.90E-02	9.17E-06	3.89E-06
2814	490337.25, 3859422.08	2.59E-02	8.18E-06	3.47E-06	2.64E-02	8.34E-06	3.54E-06	2.64E-02	8.33E-06	3.54E-06
2815	490187.25, 3859472.08	4.25E-02	1.34E-05	5.69E-06	4.34E-02	1.37E-05	5.81E-06	4.33E-02	1.37E-05	5.80E-06
2816	490237.25, 3859472.08	3.83E-02	1.21E-05	5.13E-06	3.91E-02	1.23E-05	5.24E-06	3.91E-02	1.23E-05	5.23E-06
2817	490287.25, 3859472.08	3.46E-02	1.09E-05	4.63E-06	3.53E-02	1.11E-05	4.73E-06	3.53E-02	1.11E-05	4.72E-06
2818	490337.25, 3859472.08	3.15E-02	9.95E-06	4.22E-06	3.22E-02	1.02E-05	4.31E-06	3.21E-02	1.01E-05	4.30E-06
2819	490297.07, 3859500.42	3.86E-02	1.22E-05	5.17E-06	3.94E-02	1.24E-05	5.28E-06	3.94E-02	1.24E-05	5.27E-06
2820	490327.07, 3859500.42	3.66E-02	1.15E-05	4.90E-06	3.73E-02	1.18E-05	5.00E-06	3.73E-02	1.18E-05	4.99E-06
2821	490297.07, 3859530.42	4.53E-02	1.43E-05	6.06E-06	4.62E-02	1.46E-05	6.19E-06	4.61E-02	1.46E-05	6.18E-06
2822	490327.07, 3859530.42	4.25E-02	1.34E-05	5.69E-06	4.34E-02	1.37E-05	5.81E-06	4.33E-02	1.37E-05	5.80E-06
2823	490319.73, 3859055.34	1.05E-02	3.33E-06	1.41E-06	1.08E-02	3.40E-06	1.44E-06	1.07E-02	3.39E-06	1.44E-06
2824	490319.73, 3859105.34	1.17E-02	3.69E-06	1.56E-06	1.19E-02	3.76E-06	1.60E-06	1.19E-02	3.76E-06	1.59E-06
2825	490069.73, 3859155.34	1.76E-02	5.56E-06	2.36E-06	1.80E-02	5.67E-06	2.41E-06	1.79E-02	5.66E-06	2.40E-06
2826	490119.73, 3859155.34	1.66E-02	5.23E-06	2.22E-06	1.69E-02	5.34E-06	2.27E-06	1.69E-02	5.33E-06	2.26E-06
2827	490269.73, 3859155.34	1.41E-02	4.44E-06	1.88E-06	1.44E-02	4.53E-06	1.92E-06	1.43E-02	4.53E-06	1.92E-06
2828	490319.73, 3859155.34	1.31E-02	4.13E-06	1.75E-06	1.34E-02	4.22E-06	1.79E-06	1.33E-02	4.21E-06	1.79E-06
2829	490069.73, 3859205.34	2.04E-02	6.45E-06	2.74E-06	2.09E-02	6.59E-06	2.79E-06	2.08E-02	6.58E-06	2.79E-06
2830	490119.73, 3859205.34	1.93E-02	6.10E-06	2.59E-06	1.97E-02	6.22E-06	2.64E-06	1.97E-02	6.21E-06	2.64E-06
2831	490169.73, 3859205.34	1.81E-02	5.72E-06	2.43E-06	1.85E-02	5.84E-06	2.48E-06	1.85E-02	5.83E-06	2.47E-06
2832	490219.73, 3859205.34	1.68E-02	5.32E-06	2.26E-06	1.72E-02	5.42E-06	2.30E-06	1.72E-02	5.42E-06	2.30E-06
2833	490269.73, 3859205.34	1.56E-02	4.91E-06	2.08E-06	1.59E-02	5.01E-06	2.13E-06	1.59E-02	5.00E-06	2.12E-06
2834	490319.73, 3859205.34	1.46E-02	4.60E-06	1.95E-06	1.49E-02	4.70E-06	1.99E-06	1.49E-02	4.69E-06	1.99E-06
2835	490069.73, 3859255.34	2.37E-02	7.48E-06	3.17E-06	2.42E-02	7.63E-06	3.24E-06	2.41E-02	7.62E-06	3.23E-06
2836	490119.73, 3859255.34	2.22E-02	7.00E-06	2.97E-06	2.26E-02	7.14E-06	3.03E-06	2.26E-02	7.13E-06	3.03E-06
2837	490169.73, 3859255.34	2.07E-02	6.53E-06	2.77E-06	2.11E-02	6.67E-06	2.83E-06	2.11E-02	6.66E-06	2.83E-06
2838	490219.73, 3859255.34	1.91E-02	6.03E-06	2.56E-06	1.95E-02	6.16E-06	2.61E-06	1.95E-02	6.15E-06	2.61E-06
2839	490269.73, 3859255.34	1.77E-02	5.58E-06	2.37E-06	1.80E-02	5.70E-06	2.42E-06	1.80E-02	5.69E-06	2.41E-06
2840	490319.73, 3859255.34	1.65E-02	5.20E-06	2.21E-06	1.68E-02	5.31E-06	2.25E-06	1.68E-02	5.30E-06	2.25E-06
2841	490069.73, 3859305.34	2.77E-02	8.75E-06	3.71E-06	2.83E-02	8.93E-06	3.79E-06	2.83E-02	8.92E-06	3.78E-06
2842	490119.73, 3859305.34	2.58E-02	8.14E-06	3.45E-06	2.63E-02	8.30E-06	3.52E-06	2.63E-02	8.29E-06	3.52E-06
2843	490169.73, 3859305.34	2.39E-02	7.54E-06	3.20E-06	2.44E-02	7.69E-06	3.26E-06	2.44E-02	7.69E-06	3.26E-06
2844	490219.73, 3859305.34	2.20E-02	6.95E-06	2.95E-06	2.25E-02	7.09E-06	3.01E-06	2.24E-02	7.08E-06	3.00E-06
2845	490269.73, 3859305.34	2.03E-02	6.41E-06	2.72E-06	2.07E-02	6.54E-06	2.78E-06	2.07E-02	6.53E-06	2.77E-06
2846	490319.73, 3859305.34	1.87E-02	5.90E-06	2.50E-06	1.91E-02	6.02E-06	2.55E-06	1.90E-02	6.01E-06	2.55E-06
2847	490069.73, 3859355.34	3.33E-02	1.05E-05	4.46E-06	3.40E-02	1.07E-05	4.55E-06	3.39E-02	1.07E-05	4.54E-06
2848	490119.73, 3859355.34	3.05E-02	9.64E-06	4.09E-06	3.12E-02	9.83E-06	4.17E-06	3.11E-02	9.82E-06	4.17E-06

2849	490169.73, 3859355.34	2.81E-02	8.85E-06	3.76E-06	2.86E-02	9.04E-06	3.83E-06	2.86E-02	9.02E-06	3.83E-06
2850	490219.73, 3859355.34	2.57E-02	8.11E-06	3.44E-06	2.62E-02	8.27E-06	3.51E-06	2.62E-02	8.26E-06	3.51E-06
2851	490269.73, 3859355.34	2.35E-02	7.43E-06	3.15E-06	2.40E-02	7.58E-06	3.22E-06	2.40E-02	7.58E-06	3.21E-06
2852	490319.73, 3859355.34	2.16E-02	6.83E-06	2.90E-06	2.21E-02	6.97E-06	2.96E-06	2.20E-02	6.96E-06	2.95E-06
2853	490069.73, 3859405.34	4.08E-02	1.29E-05	5.47E-06	4.17E-02	1.32E-05	5.58E-06	4.16E-02	1.31E-05	5.57E-06
2854	490119.73, 3859405.34	3.68E-02	1.16E-05	4.93E-06	3.75E-02	1.19E-05	5.03E-06	3.75E-02	1.18E-05	5.02E-06
2855	490169.73, 3859405.34	3.34E-02	1.05E-05	4.47E-06	3.41E-02	1.08E-05	4.56E-06	3.40E-02	1.07E-05	4.56E-06
2856	490219.73, 3859405.34	3.04E-02	9.61E-06	4.08E-06	3.11E-02	9.81E-06	4.16E-06	3.10E-02	9.79E-06	4.16E-06
2857	490269.73, 3859405.34	2.77E-02	8.74E-06	3.71E-06	2.83E-02	8.92E-06	3.78E-06	2.82E-02	8.91E-06	3.78E-06
2858	490319.73, 3859405.34	2.51E-02	7.93E-06	3.37E-06	2.57E-02	8.10E-06	3.44E-06	2.56E-02	8.09E-06	3.43E-06
2859	490161.89, 3859541.83	6.95E-02	2.19E-05	9.30E-06	7.09E-02	2.24E-05	9.49E-06	7.08E-02	2.23E-05	9.48E-06
2860	490171.89, 3859541.83	6.74E-02	2.13E-05	9.02E-06	6.88E-02	2.17E-05	9.21E-06	6.87E-02	2.17E-05	9.20E-06
2861	490161.89, 3859551.83	7.60E-02	2.40E-05	1.02E-05	7.76E-02	2.45E-05	1.04E-05	7.75E-02	2.45E-05	1.04E-05
2862	490171.89, 3859551.83	7.35E-02	2.32E-05	9.84E-06	7.50E-02	2.37E-05	1.00E-05	7.49E-02	2.36E-05	1.00E-05
2863	489799.72, 3859348.21	6.44E-02	2.03E-05	8.63E-06	6.57E-02	2.07E-05	8.80E-06	6.57E-02	2.07E-05	8.79E-06
2864	489819.72, 3859348.21	5.99E-02	1.89E-05	8.02E-06	6.11E-02	1.93E-05	8.19E-06	6.11E-02	1.93E-05	8.18E-06
2865	489799.72, 3859368.21	7.52E-02	2.37E-05	1.01E-05	7.67E-02	2.42E-05	1.03E-05	7.66E-02	2.42E-05	1.03E-05
2866	489819.72, 3859368.21	6.91E-02	2.18E-05	9.25E-06	7.05E-02	2.22E-05	9.44E-06	7.04E-02	2.22E-05	9.42E-06
2867	489775.41, 3859329.72	6.19E-02	1.96E-05	8.30E-06	6.32E-02	1.99E-05	8.46E-06	6.31E-02	1.99E-05	8.45E-06
2868	489795.41, 3859329.72	5.77E-02	1.82E-05	7.73E-06	5.89E-02	1.86E-05	7.89E-06	5.89E-02	1.86E-05	7.88E-06
2869	489775.41, 3859349.72	7.19E-02	2.27E-05	9.62E-06	7.33E-02	2.31E-05	9.82E-06	7.32E-02	2.31E-05	9.81E-06
2870	489795.41, 3859349.72	6.62E-02	2.09E-05	8.87E-06	6.76E-02	2.13E-05	9.05E-06	6.75E-02	2.13E-05	9.04E-06
2871	489595.05, 3859219.43	5.55E-02	1.75E-05	7.43E-06	5.66E-02	1.79E-05	7.58E-06	5.65E-02	1.78E-05	7.57E-06
2872	489615.05, 3859219.43	5.19E-02	1.64E-05	6.95E-06	5.30E-02	1.67E-05	7.09E-06	5.29E-02	1.67E-05	7.08E-06
2873	489595.05, 3859239.43	6.39E-02	2.02E-05	8.55E-06	6.52E-02	2.06E-05	8.73E-06	6.51E-02	2.05E-05	8.72E-06
2874	489615.05, 3859239.43	5.92E-02	1.87E-05	7.93E-06	6.04E-02	1.91E-05	8.09E-06	6.04E-02	1.90E-05	8.08E-06
2875	489372.4, 3859092.58	5.04E-02	1.59E-05	6.74E-06	5.14E-02	1.62E-05	6.88E-06	5.13E-02	1.62E-05	6.87E-06
2876	489422.4, 3859092.58	4.31E-02	1.36E-05	5.77E-06	4.39E-02	1.39E-05	5.88E-06	4.39E-02	1.39E-05	5.88E-06
2877	489372.4, 3859142.58	7.36E-02	2.32E-05	9.86E-06	7.51E-02	2.37E-05	1.01E-05	7.50E-02	2.37E-05	1.00E-05
2878	489422.4, 3859142.58	5.98E-02	1.89E-05	8.01E-06	6.10E-02	1.93E-05	8.17E-06	6.10E-02	1.92E-05	8.16E-06
2879	488870.84, 3858666.64	4.20E-03	1.33E-06	5.63E-07	4.29E-03	1.35E-06	5.74E-07	4.28E-03	1.35E-06	5.73E-07
2880	488900.84, 3858666.64	4.20E-03	1.33E-06	5.63E-07	4.29E-03	1.35E-06	5.74E-07	4.28E-03	1.35E-06	5.73E-07
2881	488870.84, 3858696.64	4.67E-03	1.47E-06	6.26E-07	4.77E-03	1.50E-06	6.38E-07	4.76E-03	1.50E-06	6.38E-07
2882	488900.84, 3858696.64	4.67E-03	1.47E-06	6.26E-07	4.77E-03	1.50E-06	6.39E-07	4.76E-03	1.50E-06	6.38E-07
2883	488889.67, 3858683.97	4.46E-03	1.41E-06	5.97E-07	4.55E-03	1.44E-06	6.10E-07	4.55E-03	1.43E-06	6.09E-07
2884	488919.67, 3858683.97	4.46E-03	1.41E-06	5.97E-07	4.55E-03	1.44E-06	6.09E-07	4.54E-03	1.43E-06	6.08E-07
2885	488889.67, 3858713.97	5.01E-03	1.58E-06	6.70E-07	5.11E-03	1.61E-06	6.84E-07	5.10E-03	1.61E-06	6.83E-07
2886	488919.67, 3858713.97	5.00E-03	1.58E-06	6.70E-07	5.11E-03	1.61E-06	6.84E-07	5.10E-03	1.61E-06	6.83E-07
2887	488906.61, 3858703.33	4.79E-03	1.51E-06	6.42E-07	4.89E-03	1.54E-06	6.55E-07	4.89E-03	1.54E-06	6.54E-07
2888	488936.61, 3858703.33	4.79E-03	1.51E-06	6.42E-07	4.89E-03	1.54E-06	6.55E-07	4.88E-03	1.54E-06	6.54E-07
2889	488906.61, 3858733.33	5.45E-03	1.72E-06	7.29E-07	5.56E-03	1.75E-06	7.44E-07	5.55E-03	1.75E-06	7.43E-07
2890	488936.61, 3858733.33	5.45E-03	1.72E-06	7.30E-07	5.56E-03	1.75E-06	7.44E-07	5.55E-03	1.75E-06	7.44E-07
2891	488637.63, 3858467.85	2.53E-03	7.98E-07	3.38E-07	2.58E-03	8.14E-07	3.45E-07	2.58E-03	8.13E-07	3.45E-07
2892	488662.63, 3858467.85	2.54E-03	8.01E-07	3.40E-07	2.59E-03	8.18E-07	3.47E-07	2.59E-03	8.17E-07	3.46E-07
2893	488637.63, 3858492.85	2.64E-03	8.32E-07	3.53E-07	2.69E-03	8.49E-07	3.60E-07	2.69E-03	8.48E-07	3.60E-07
2894	488662.63, 3858492.85	2.65E-03	8.37E-07	3.55E-07	2.71E-03	8.54E-07	3.62E-07	2.70E-03	8.53E-07	3.62E-07
2895	488687.63, 3858492.85	2.66E-03	8.40E-07	3.57E-07	2.72E-03	8.58E-07	3.64E-07	2.71E-03	8.57E-07	3.63E-07
2896	488637.63, 3858517.85	2.75E-03	8.69E-07	3.69E-07	2.81E-03	8.87E-07	3.76E-07	2.81E-03	8.86E-07	3.76E-07
2897	488662.63, 3858517.85	2.77E-03	8.76E-07	3.71E-07	2.83E-03	8.93E-07	3.79E-07	2.83E-03	8.92E-07	3.79E-07
2898	488687.63, 3858517.85	2.79E-03	8.80E-07	3.73E-07	2.85E-03	8.98E-07	3.81E-07	2.84E-03	8.97E-07	3.81E-07
2899	488194.42, 3857168.98	9.63E-04	3.04E-07	1.29E-07	9.82E-04	3.10E-07	1.32E-07	9.81E-04	3.10E-07	1.31E-07
2900	488244.42, 3857168.98	9.67E-04	3.05E-07	1.30E-07	9.87E-04	3.12E-07	1.32E-07	9.86E-04	3.11E-07	1.32E-07
2901	488294.42, 3857168.98	9.70E-04	3.06E-07	1.30E-07	9.90E-04	3.12E-07	1.33E-07	9.88E-04	3.12E-07	1.32E-07
2902	488244.42, 3857218.98	9.75E-04	3.08E-07	1.31E-07	9.95E-04	3.14E-07	1.33E-07	9.94E-04	3.14E-07	1.33E-07
2903	488294.42, 3857218.98	9.79E-04	3.09E-07	1.31E-07	9.99E-04	3.15E-07	1.34E-07	9.98E-04	3.15E-07	1.34E-07
2904	488294.42, 3857268.98	9.91E-04	3.13E-07	1.33E-07	1.01E-03	3.19E-07	1.35E-07	1.01E-03	3.19E-07	1.35E-07
2905	488139.13, 3857111.68	9.51E-04	3.00E-07	1.27E-07	9.71E-04	3.06E-07	1.30E-07	9.69E-04	3.06E-07	1.30E-07
2906	488189.13, 3857111.68	9.56E-04	3.02E-07	1.28E-07	9.76E-04	3.08E-07	1.31E-07	9.75E-04	3.08E-07	1.31E-07
2907	488189.13, 3857161.68	9.61E-04	3.03E-07	1.29E-07	9.81E-04	3.10E-07	1.31E-07	9.80E-04	3.09E-07	1.31E-07
2908	487951.04, 3856961.26	9.28E-04	2.93E-07	1.24E-07	9.47E-04	2.99E-07	1.27E-07	9.46E-04	2.99E-07	1.27E-07
2909	488001.04, 3856961.26	9.31E-04	2.94E-07	1.25E-07	9.50E-04	3.00E-07	1.27E-07	9.48E-04	2.99E-07	1.27E-07
2910	488051.04, 3856961.26	9.29E-04	2.93E-07	1.24E-07	9.48E-04	2.99E-07	1.27E-07	9.47E-04	2.99E-07	1.27E-07

2911	488101.04, 3856961.26	9.34E-04	2.95E-07	1.25E-07	9.53E-04	3.01E-07	1.28E-07	9.52E-04	3.00E-07	1.27E-07
2912	487951.04, 3857011.26	9.35E-04	2.95E-07	1.25E-07	9.54E-04	3.01E-07	1.28E-07	9.53E-04	3.01E-07	1.28E-07
2913	488001.04, 3857011.26	9.34E-04	2.95E-07	1.25E-07	9.53E-04	3.01E-07	1.28E-07	9.52E-04	3.01E-07	1.28E-07
2914	488051.04, 3857011.26	9.34E-04	2.95E-07	1.25E-07	9.53E-04	3.01E-07	1.28E-07	9.52E-04	3.00E-07	1.27E-07
2915	488101.04, 3857011.26	9.39E-04	2.96E-07	1.26E-07	9.59E-04	3.03E-07	1.28E-07	9.57E-04	3.02E-07	1.28E-07
2916	488001.04, 3857061.26	9.40E-04	2.97E-07	1.26E-07	9.59E-04	3.03E-07	1.28E-07	9.58E-04	3.02E-07	1.28E-07
2917	488051.04, 3857061.26	9.42E-04	2.97E-07	1.26E-07	9.62E-04	3.03E-07	1.29E-07	9.60E-04	3.03E-07	1.29E-07
2918	488101.04, 3857061.26	9.46E-04	2.98E-07	1.27E-07	9.65E-04	3.05E-07	1.29E-07	9.64E-04	3.04E-07	1.29E-07
2919	487638.98, 3856673.79	8.95E-04	2.83E-07	1.20E-07	9.13E-04	2.88E-07	1.22E-07	9.12E-04	2.88E-07	1.22E-07
2920	487688.98, 3856673.79	8.98E-04	2.84E-07	1.20E-07	9.17E-04	2.89E-07	1.23E-07	9.16E-04	2.89E-07	1.23E-07
2921	487638.98, 3856723.79	8.97E-04	2.83E-07	1.20E-07	9.15E-04	2.89E-07	1.23E-07	9.14E-04	2.88E-07	1.22E-07
2922	487688.98, 3856723.79	9.00E-04	2.84E-07	1.20E-07	9.18E-04	2.90E-07	1.23E-07	9.17E-04	2.89E-07	1.23E-07
2923	486324.61, 3855740.57	9.74E-04	3.07E-07	1.30E-07	9.94E-04	3.14E-07	1.33E-07	9.93E-04	3.13E-07	1.33E-07
2924	486374.61, 3855740.57	9.61E-04	3.03E-07	1.29E-07	9.81E-04	3.10E-07	1.31E-07	9.80E-04	3.09E-07	1.31E-07
2925	486424.61, 3855740.57	9.57E-04	3.02E-07	1.28E-07	9.77E-04	3.08E-07	1.31E-07	9.75E-04	3.08E-07	1.31E-07
2926	486324.61, 3855790.57	9.64E-04	3.04E-07	1.29E-07	9.84E-04	3.11E-07	1.32E-07	9.83E-04	3.10E-07	1.32E-07
2927	486374.61, 3855790.57	9.53E-04	3.01E-07	1.28E-07	9.72E-04	3.07E-07	1.30E-07	9.71E-04	3.07E-07	1.30E-07
2928	486424.61, 3855790.57	9.51E-04	3.00E-07	1.27E-07	9.71E-04	3.06E-07	1.30E-07	9.69E-04	3.06E-07	1.30E-07
2929	486324.61, 3855840.57	9.55E-04	3.02E-07	1.28E-07	9.75E-04	3.08E-07	1.31E-07	9.74E-04	3.07E-07	1.30E-07
2930	486374.61, 3855840.57	9.52E-04	3.00E-07	1.27E-07	9.71E-04	3.07E-07	1.30E-07	9.70E-04	3.06E-07	1.30E-07
2931	486424.61, 3855840.57	9.46E-04	2.99E-07	1.27E-07	9.65E-04	3.05E-07	1.29E-07	9.64E-04	3.04E-07	1.29E-07
2932	486324.61, 3855890.57	9.55E-04	3.01E-07	1.28E-07	9.74E-04	3.07E-07	1.30E-07	9.73E-04	3.07E-07	1.30E-07
2933	486374.61, 3855890.57	9.50E-04	3.00E-07	1.27E-07	9.69E-04	3.06E-07	1.30E-07	9.68E-04	3.06E-07	1.30E-07
2934	486424.61, 3855890.57	9.43E-04	2.98E-07	1.26E-07	9.62E-04	3.04E-07	1.29E-07	9.61E-04	3.03E-07	1.29E-07
2935	488735.69, 3858285.64	1.96E-03	6.20E-07	2.63E-07	2.00E-03	6.33E-07	2.68E-07	2.00E-03	6.32E-07	2.68E-07
2936	488765.69, 3858285.64	1.97E-03	6.22E-07	2.64E-07	2.01E-03	6.34E-07	2.69E-07	2.01E-03	6.34E-07	2.69E-07
2937	488735.69, 3858315.64	2.04E-03	6.44E-07	2.73E-07	2.08E-03	6.57E-07	2.79E-07	2.08E-03	6.56E-07	2.78E-07
2938	488765.69, 3858315.64	2.05E-03	6.46E-07	2.74E-07	2.09E-03	6.59E-07	2.80E-07	2.09E-03	6.58E-07	2.79E-07
2939	478676.63, 3849871.93	2.13E-02	6.71E-06	2.85E-06	2.17E-02	6.85E-06	2.91E-06	2.17E-02	6.84E-06	2.90E-06
2940	479326.63, 3849871.93	1.31E-02	4.13E-06	1.75E-06	1.34E-02	4.22E-06	1.79E-06	1.34E-02	4.21E-06	1.79E-06
2941	479376.63, 3849871.93	1.27E-02	4.01E-06	1.70E-06	1.30E-02	4.10E-06	1.74E-06	1.30E-02	4.09E-06	1.74E-06
2942	479426.63, 3849871.93	1.24E-02	3.93E-06	1.67E-06	1.27E-02	4.01E-06	1.70E-06	1.27E-02	4.00E-06	1.70E-06
2943	478726.63, 3849921.93	2.22E-02	7.02E-06	2.98E-06	2.27E-02	7.16E-06	3.04E-06	2.27E-02	7.15E-06	3.04E-06
2944	478776.63, 3849921.93	2.13E-02	6.72E-06	2.85E-06	2.17E-02	6.86E-06	2.91E-06	2.17E-02	6.85E-06	2.91E-06
2945	478826.63, 3849921.93	2.04E-02	6.45E-06	2.73E-06	2.08E-02	6.58E-06	2.79E-06	2.08E-02	6.57E-06	2.79E-06
2946	478976.63, 3849921.93	1.81E-02	5.71E-06	2.42E-06	1.85E-02	5.83E-06	2.47E-06	1.85E-02	5.82E-06	2.47E-06
2947	479026.63, 3849921.93	1.75E-02	5.54E-06	2.35E-06	1.79E-02	5.65E-06	2.40E-06	1.79E-02	5.64E-06	2.39E-06
2948	479076.63, 3849921.93	1.69E-02	5.34E-06	2.27E-06	1.73E-02	5.45E-06	2.31E-06	1.73E-02	5.45E-06	2.31E-06
2949	479126.63, 3849921.93	1.63E-02	5.16E-06	2.19E-06	1.67E-02	5.26E-06	2.23E-06	1.67E-02	5.26E-06	2.23E-06
2950	479176.63, 3849921.93	1.58E-02	5.00E-06	2.12E-06	1.62E-02	5.10E-06	2.16E-06	1.61E-02	5.09E-06	2.16E-06
2951	479226.63, 3849921.93	1.52E-02	4.79E-06	2.03E-06	1.55E-02	4.89E-06	2.08E-06	1.55E-02	4.89E-06	2.07E-06
2952	479276.63, 3849921.93	1.43E-02	4.52E-06	1.92E-06	1.46E-02	4.61E-06	1.96E-06	1.46E-02	4.61E-06	1.96E-06
2953	479326.63, 3849921.93	1.43E-02	4.52E-06	1.92E-06	1.46E-02	4.61E-06	1.96E-06	1.46E-02	4.60E-06	1.95E-06
2954	479376.63, 3849921.93	1.35E-02	4.27E-06	1.81E-06	1.38E-02	4.36E-06	1.85E-06	1.38E-02	4.35E-06	1.85E-06
2955	479426.63, 3849921.93	1.34E-02	4.23E-06	1.79E-06	1.37E-02	4.32E-06	1.83E-06	1.37E-02	4.31E-06	1.83E-06
2956	478726.63, 3849971.93	2.44E-02	7.70E-06	3.27E-06	2.49E-02	7.86E-06	3.34E-06	2.49E-02	7.85E-06	3.33E-06
2957	478776.63, 3849971.93	2.33E-02	7.35E-06	3.12E-06	2.38E-02	7.50E-06	3.18E-06	2.37E-02	7.49E-06	3.18E-06
2958	478826.63, 3849971.93	2.23E-02	7.02E-06	2.98E-06	2.27E-02	7.17E-06	3.04E-06	2.27E-02	7.16E-06	3.04E-06
2959	478976.63, 3849971.93	1.97E-02	6.21E-06	2.64E-06	2.01E-02	6.34E-06	2.69E-06	2.01E-02	6.33E-06	2.69E-06
2960	479026.63, 3849971.93	1.89E-02	5.97E-06	2.53E-06	1.93E-02	6.09E-06	2.58E-06	1.93E-02	6.08E-06	2.58E-06
2961	479076.63, 3849971.93	1.82E-02	5.74E-06	2.43E-06	1.85E-02	5.85E-06	2.48E-06	1.85E-02	5.85E-06	2.48E-06
2962	479126.63, 3849971.93	1.75E-02	5.53E-06	2.35E-06	1.79E-02	5.64E-06	2.39E-06	1.79E-02	5.63E-06	2.39E-06
2963	479176.63, 3849971.93	1.69E-02	5.34E-06	2.27E-06	1.73E-02	5.45E-06	2.31E-06	1.73E-02	5.44E-06	2.31E-06
2964	479226.63, 3849971.93	1.59E-02	5.00E-06	2.12E-06	1.62E-02	5.11E-06	2.17E-06	1.62E-02	5.10E-06	2.16E-06
2965	479276.63, 3849971.93	1.57E-02	4.95E-06	2.10E-06	1.60E-02	5.05E-06	2.14E-06	1.60E-02	5.04E-06	2.14E-06
2966	479326.63, 3849971.93	1.54E-02	4.85E-06	2.06E-06	1.57E-02	4.95E-06	2.10E-06	1.57E-02	4.95E-06	2.10E-06
2967	479376.63, 3849971.93	1.46E-02	4.61E-06	1.96E-06	1.49E-02	4.70E-06	2.00E-06	1.49E-02	4.70E-06	1.99E-06
2968	479426.63, 3849971.93	1.43E-02	4.50E-06	1.91E-06	1.46E-02	4.60E-06	1.95E-06	1.45E-02	4.59E-06	1.95E-06
2969	478726.63, 3850021.93	2.71E-02	8.54E-06	3.62E-06	2.76E-02	8.71E-06	3.70E-06	2.76E-02	8.70E-06	3.69E-06
2970	478776.63, 3850021.93	2.57E-02	8.10E-06	3.44E-06	2.62E-02	8.27E-06	3.51E-06	2.62E-02	8.26E-06	3.50E-06
2971	478826.63, 3850021.93	2.44E-02	7.71E-06	3.27E-06	2.49E-02	7.87E-06	3.34E-06	2.49E-02	7.86E-06	3.34E-06
2972	478976.63, 3850021.93	2.14E-02	6.75E-06	2.86E-06	2.18E-02	6.88E-06	2.92E-06	2.18E-02	6.88E-06	2.92E-06

2973	478726.63, 3850071.93	3.04E-02	9.59E-06	4.07E-06	3.10E-02	9.78E-06	4.15E-06	3.10E-02	9.77E-06	4.15E-06
2974	478776.63, 3850071.93	2.86E-02	9.04E-06	3.84E-06	2.92E-02	9.22E-06	3.91E-06	2.92E-02	9.21E-06	3.91E-06
2975	478826.63, 3850071.93	2.71E-02	8.56E-06	3.63E-06	2.77E-02	8.73E-06	3.70E-06	2.76E-02	8.72E-06	3.70E-06
2976	478876.63, 3850071.93	2.57E-02	8.12E-06	3.45E-06	2.63E-02	8.29E-06	3.52E-06	2.62E-02	8.28E-06	3.51E-06
2977	478976.63, 3850071.93	2.34E-02	7.38E-06	3.13E-06	2.39E-02	7.53E-06	3.20E-06	2.38E-02	7.52E-06	3.19E-06
2978	478726.63, 3850121.93	3.47E-02	1.10E-05	4.65E-06	3.54E-02	1.12E-05	4.74E-06	3.54E-02	1.12E-05	4.74E-06
2979	478776.63, 3850121.93	3.24E-02	1.02E-05	4.34E-06	3.31E-02	1.04E-05	4.43E-06	3.30E-02	1.04E-05	4.42E-06
2980	478826.63, 3850121.93	3.04E-02	9.61E-06	4.08E-06	3.11E-02	9.80E-06	4.16E-06	3.10E-02	9.79E-06	4.15E-06
2981	478876.63, 3850121.93	2.87E-02	9.06E-06	3.84E-06	2.93E-02	9.25E-06	3.92E-06	2.93E-02	9.24E-06	3.92E-06
2982	478976.63, 3850121.93	2.58E-02	8.14E-06	3.45E-06	2.63E-02	8.30E-06	3.52E-06	2.63E-02	8.29E-06	3.52E-06
2983	479026.63, 3850121.93	2.46E-02	7.75E-06	3.29E-06	2.51E-02	7.91E-06	3.36E-06	2.50E-02	7.90E-06	3.35E-06
2984	479076.63, 3850121.93	2.34E-02	7.40E-06	3.14E-06	2.39E-02	7.55E-06	3.20E-06	2.39E-02	7.54E-06	3.20E-06
2985	479126.63, 3850121.93	2.24E-02	7.06E-06	3.00E-06	2.28E-02	7.21E-06	3.06E-06	2.28E-02	7.20E-06	3.05E-06
2986	478776.63, 3850171.93	3.75E-02	1.18E-05	5.02E-06	3.83E-02	1.21E-05	5.13E-06	3.82E-02	1.21E-05	5.12E-06
2987	478826.63, 3850171.93	3.48E-02	1.10E-05	4.67E-06	3.56E-02	1.12E-05	4.76E-06	3.55E-02	1.12E-05	4.76E-06
2988	478876.63, 3850171.93	3.25E-02	1.03E-05	4.36E-06	3.32E-02	1.05E-05	4.45E-06	3.32E-02	1.05E-05	4.44E-06
2989	478976.63, 3850171.93	2.88E-02	9.09E-06	3.86E-06	2.94E-02	9.27E-06	3.93E-06	2.93E-02	9.26E-06	3.93E-06
2990	479026.63, 3850171.93	2.72E-02	8.60E-06	3.65E-06	2.78E-02	8.77E-06	3.72E-06	2.78E-02	8.76E-06	3.72E-06
2991	479076.63, 3850171.93	2.59E-02	8.17E-06	3.47E-06	2.64E-02	8.34E-06	3.54E-06	2.64E-02	8.33E-06	3.53E-06
2992	479126.63, 3850171.93	2.46E-02	7.77E-06	3.30E-06	2.51E-02	7.93E-06	3.36E-06	2.51E-02	7.92E-06	3.36E-06
2993	479176.63, 3850171.93	2.35E-02	7.42E-06	3.15E-06	2.40E-02	7.57E-06	3.21E-06	2.40E-02	7.56E-06	3.21E-06
2994	479226.63, 3850171.93	2.25E-02	7.12E-06	3.02E-06	2.30E-02	7.26E-06	3.08E-06	2.30E-02	7.25E-06	3.08E-06
2995	479276.63, 3850171.93	2.16E-02	6.82E-06	2.89E-06	2.21E-02	6.96E-06	2.95E-06	2.20E-02	6.95E-06	2.95E-06
2996	479326.63, 3850171.93	2.08E-02	6.56E-06	2.78E-06	2.12E-02	6.70E-06	2.84E-06	2.12E-02	6.69E-06	2.84E-06
2997	479376.63, 3850171.93	1.99E-02	6.29E-06	2.67E-06	2.03E-02	6.42E-06	2.72E-06	2.03E-02	6.41E-06	2.72E-06
2998	478676.63, 3850221.93	5.67E-02	1.79E-05	7.60E-06	5.79E-02	1.83E-05	7.75E-06	5.78E-02	1.82E-05	7.74E-06
2999	478726.63, 3850221.93	5.00E-02	1.58E-05	6.69E-06	5.10E-02	1.61E-05	6.83E-06	5.09E-02	1.61E-05	6.82E-06
3000	478976.63, 3850221.93	3.26E-02	1.03E-05	4.37E-06	3.33E-02	1.05E-05	4.46E-06	3.32E-02	1.05E-05	4.45E-06
3001	479026.63, 3850221.93	3.06E-02	9.65E-06	4.10E-06	3.12E-02	9.85E-06	4.18E-06	3.12E-02	9.84E-06	4.17E-06
3002	479076.63, 3850221.93	2.89E-02	9.11E-06	3.87E-06	2.95E-02	9.30E-06	3.95E-06	2.94E-02	9.29E-06	3.94E-06
3003	479126.63, 3850221.93	2.74E-02	8.63E-06	3.66E-06	2.79E-02	8.81E-06	3.74E-06	2.79E-02	8.80E-06	3.73E-06
3004	479176.63, 3850221.93	2.60E-02	8.19E-06	3.48E-06	2.65E-02	8.36E-06	3.55E-06	2.65E-02	8.35E-06	3.54E-06
3005	479226.63, 3850221.93	2.47E-02	7.80E-06	3.31E-06	2.52E-02	7.96E-06	3.38E-06	2.52E-02	7.95E-06	3.37E-06
3006	479276.63, 3850221.93	2.36E-02	7.44E-06	3.16E-06	2.40E-02	7.59E-06	3.22E-06	2.40E-02	7.58E-06	3.22E-06
3007	479326.63, 3850221.93	2.26E-02	7.14E-06	3.03E-06	2.31E-02	7.28E-06	3.09E-06	2.30E-02	7.27E-06	3.09E-06
3008	479376.63, 3850221.93	2.17E-02	6.85E-06	2.91E-06	2.21E-02	6.99E-06	2.96E-06	2.21E-02	6.98E-06	2.96E-06
3009	478676.63, 3850271.93	7.91E-02	2.50E-05	1.06E-05	8.08E-02	2.55E-05	1.08E-05	8.07E-02	2.55E-05	1.08E-05
3010	478726.63, 3850271.93	6.58E-02	2.08E-05	8.81E-06	6.72E-02	2.12E-05	8.99E-06	6.71E-02	2.12E-05	8.98E-06
3011	478976.63, 3850271.93	3.78E-02	1.19E-05	5.07E-06	3.86E-02	1.22E-05	5.17E-06	3.86E-02	1.22E-05	5.17E-06
3012	479026.63, 3850271.93	3.50E-02	1.10E-05	4.69E-06	3.57E-02	1.13E-05	4.78E-06	3.57E-02	1.13E-05	4.78E-06
3013	479076.63, 3850271.93	3.27E-02	1.03E-05	4.38E-06	3.34E-02	1.05E-05	4.47E-06	3.33E-02	1.05E-05	4.46E-06
3014	479126.63, 3850271.93	3.07E-02	9.69E-06	4.11E-06	3.13E-02	9.89E-06	4.19E-06	3.13E-02	9.87E-06	4.19E-06
3015	479176.63, 3850271.93	2.89E-02	9.13E-06	3.87E-06	2.95E-02	9.31E-06	3.95E-06	2.95E-02	9.30E-06	3.95E-06
3016	479226.63, 3850271.93	2.73E-02	8.63E-06	3.66E-06	2.79E-02	8.80E-06	3.73E-06	2.79E-02	8.79E-06	3.73E-06
3017	479276.63, 3850271.93	2.60E-02	8.20E-06	3.48E-06	2.65E-02	8.36E-06	3.55E-06	2.65E-02	8.35E-06	3.54E-06
3018	479326.63, 3850271.93	2.48E-02	7.83E-06	3.32E-06	2.53E-02	7.99E-06	3.39E-06	2.53E-02	7.98E-06	3.39E-06
3019	479376.63, 3850271.93	2.37E-02	7.48E-06	3.18E-06	2.42E-02	7.64E-06	3.24E-06	2.42E-02	7.63E-06	3.24E-06
3020	479053.24, 3850293.52	3.59E-02	1.13E-05	4.80E-06	3.66E-02	1.16E-05	4.90E-06	3.66E-02	1.15E-05	4.90E-06
3021	479103.24, 3850293.52	3.34E-02	1.05E-05	4.48E-06	3.41E-02	1.08E-05	4.57E-06	3.41E-02	1.07E-05	4.56E-06
3022	479153.24, 3850293.52	3.14E-02	9.90E-06	4.20E-06	3.20E-02	1.01E-05	4.28E-06	3.20E-02	1.01E-05	4.28E-06
3023	479203.24, 3850293.52	2.95E-02	9.30E-06	3.95E-06	3.01E-02	9.49E-06	4.03E-06	3.00E-02	9.48E-06	4.02E-06
3024	479253.24, 3850293.52	2.79E-02	8.79E-06	3.73E-06	2.84E-02	8.97E-06	3.81E-06	2.84E-02	8.96E-06	3.80E-06
3025	479303.24, 3850293.52	2.65E-02	8.36E-06	3.55E-06	2.70E-02	8.53E-06	3.62E-06	2.70E-02	8.52E-06	3.62E-06
3026	479353.24, 3850293.52	2.53E-02	7.98E-06	3.38E-06	2.58E-02	8.14E-06	3.45E-06	2.58E-02	8.13E-06	3.45E-06
3027	479153.24, 3850343.52	3.60E-02	1.13E-05	4.82E-06	3.67E-02	1.16E-05	4.91E-06	3.66E-02	1.16E-05	4.91E-06
3028	479203.24, 3850343.52	3.35E-02	1.06E-05	4.48E-06	3.41E-02	1.08E-05	4.57E-06	3.41E-02	1.08E-05	4.57E-06
3029	479253.24, 3850343.52	3.14E-02	9.92E-06	4.21E-06	3.21E-02	1.01E-05	4.30E-06	3.20E-02	1.01E-05	4.29E-06
3030	479303.24, 3850343.52	2.97E-02	9.37E-06	3.98E-06	3.03E-02	9.57E-06	4.06E-06	3.03E-02	9.55E-06	4.05E-06
3031	479353.24, 3850343.52	2.81E-02	8.88E-06	3.77E-06	2.87E-02	9.06E-06	3.84E-06	2.87E-02	9.05E-06	3.84E-06
3032	479203.24, 3850393.52	3.90E-02	1.23E-05	5.23E-06	3.98E-02	1.26E-05	5.34E-06	3.98E-02	1.26E-05	5.33E-06
3033	479253.24, 3850393.52	3.62E-02	1.14E-05	4.85E-06	3.70E-02	1.17E-05	4.95E-06	3.69E-02	1.17E-05	4.94E-06
3034	479303.24, 3850393.52	3.39E-02	1.07E-05	4.54E-06	3.46E-02	1.09E-05	4.63E-06	3.45E-02	1.09E-05	4.62E-06

3035	479353.24, 3850393.52	3.18E-02	1.00E-05	4.26E-06	3.25E-02	1.02E-05	4.35E-06	3.24E-02	1.02E-05	4.34E-06
3036	479403.24, 3850393.52	3.00E-02	9.46E-06	4.01E-06	3.06E-02	9.65E-06	4.09E-06	3.05E-02	9.64E-06	4.09E-06
3037	479453.24, 3850393.52	2.83E-02	8.93E-06	3.79E-06	2.89E-02	9.11E-06	3.87E-06	2.88E-02	9.10E-06	3.86E-06
3038	479503.24, 3850393.52	2.67E-02	8.41E-06	3.57E-06	2.72E-02	8.59E-06	3.64E-06	2.72E-02	8.58E-06	3.64E-06
3039	479303.24, 3850443.52	3.97E-02	1.25E-05	5.32E-06	4.06E-02	1.28E-05	5.43E-06	4.05E-02	1.28E-05	5.42E-06
3040	479353.24, 3850443.52	3.69E-02	1.16E-05	4.94E-06	3.76E-02	1.19E-05	5.04E-06	3.76E-02	1.19E-05	5.03E-06
3041	479403.24, 3850443.52	3.43E-02	1.08E-05	4.60E-06	3.50E-02	1.11E-05	4.69E-06	3.50E-02	1.10E-05	4.68E-06
3042	479453.24, 3850443.52	3.20E-02	1.01E-05	4.29E-06	3.27E-02	1.03E-05	4.38E-06	3.27E-02	1.03E-05	4.37E-06
3043	479503.24, 3850443.52	2.99E-02	9.44E-06	4.01E-06	3.05E-02	9.64E-06	4.09E-06	3.05E-02	9.63E-06	4.08E-06
3044	480327.18, 3850987.04	4.77E-02	1.50E-05	6.38E-06	4.86E-02	1.54E-05	6.51E-06	4.86E-02	1.53E-05	6.51E-06
3045	480377.18, 3850987.04	4.34E-02	1.37E-05	5.81E-06	4.43E-02	1.40E-05	5.93E-06	4.42E-02	1.40E-05	5.92E-06
3046	480427.18, 3850987.04	3.98E-02	1.26E-05	5.33E-06	4.06E-02	1.28E-05	5.44E-06	4.06E-02	1.28E-05	5.43E-06
3047	480477.18, 3850987.04	3.67E-02	1.16E-05	4.91E-06	3.74E-02	1.18E-05	5.01E-06	3.74E-02	1.18E-05	5.01E-06
3048	480327.18, 3851037.04	6.14E-02	1.94E-05	8.22E-06	6.27E-02	1.98E-05	8.39E-06	6.26E-02	1.98E-05	8.38E-06
3049	480377.18, 3851037.04	5.43E-02	1.71E-05	7.27E-06	5.54E-02	1.75E-05	7.42E-06	5.54E-02	1.75E-05	7.41E-06
3050	480427.18, 3851037.04	4.86E-02	1.53E-05	6.51E-06	4.96E-02	1.57E-05	6.64E-06	4.95E-02	1.56E-05	6.63E-06
3051	480477.18, 3851037.04	4.39E-02	1.39E-05	5.88E-06	4.48E-02	1.41E-05	6.00E-06	4.47E-02	1.41E-05	5.99E-06
3052	480622.06, 3851087.39	4.06E-02	1.28E-05	5.44E-06	4.15E-02	1.31E-05	5.55E-06	4.14E-02	1.31E-05	5.55E-06
3053	480672.06, 3851087.39	3.74E-02	1.18E-05	5.00E-06	3.81E-02	1.20E-05	5.10E-06	3.81E-02	1.20E-05	5.10E-06
3054	480622.06, 3851137.39	5.01E-02	1.58E-05	6.70E-06	5.11E-02	1.61E-05	6.84E-06	5.10E-02	1.61E-05	6.83E-06
3055	480672.06, 3851137.39	4.50E-02	1.42E-05	6.02E-06	4.59E-02	1.45E-05	6.15E-06	4.58E-02	1.45E-05	6.14E-06
3056	480722.06, 3851137.39	4.10E-02	1.29E-05	5.49E-06	4.18E-02	1.32E-05	5.60E-06	4.18E-02	1.32E-05	5.59E-06
3057	480622.06, 3851187.39	6.61E-02	2.09E-05	8.85E-06	6.74E-02	2.13E-05	9.03E-06	6.74E-02	2.13E-05	9.02E-06
3058	480672.06, 3851187.39	5.71E-02	1.80E-05	7.65E-06	5.83E-02	1.84E-05	7.81E-06	5.82E-02	1.84E-05	7.80E-06
3059	480722.06, 3851187.39	5.05E-02	1.59E-05	6.77E-06	5.16E-02	1.63E-05	6.90E-06	5.15E-02	1.63E-05	6.90E-06
3060	471363.09, 3845877.25	2.60E-04	8.20E-08	3.48E-08	2.65E-04	8.37E-08	3.55E-08	2.65E-04	8.36E-08	3.55E-08
3061	471863.09, 3845877.25	2.52E-04	7.94E-08	3.37E-08	2.57E-04	8.10E-08	3.44E-08	2.56E-04	8.09E-08	3.43E-08
3062	472363.09, 3845877.25	3.26E-04	1.03E-07	4.36E-08	3.33E-04	1.05E-07	4.45E-08	3.32E-04	1.05E-07	4.45E-08
3063	472863.09, 3845877.25	2.45E-04	7.75E-08	3.29E-08	2.50E-04	7.91E-08	3.35E-08	2.50E-04	7.90E-08	3.35E-08
3064	473363.09, 3845877.25	2.58E-04	8.14E-08	3.45E-08	2.63E-04	8.30E-08	3.52E-08	2.63E-04	8.29E-08	3.52E-08
3065	473863.09, 3845877.25	2.70E-04	8.52E-08	3.61E-08	2.75E-04	8.69E-08	3.69E-08	2.75E-04	8.68E-08	3.68E-08
3066	474363.09, 3845877.25	3.14E-04	9.91E-08	4.21E-08	3.21E-04	1.01E-07	4.29E-08	3.20E-04	1.01E-07	4.29E-08
3067	474863.09, 3845877.25	3.66E-04	1.15E-07	4.90E-08	3.73E-04	1.18E-07	5.00E-08	3.73E-04	1.18E-07	4.99E-08
3068	475363.09, 3845877.25	4.23E-04	1.33E-07	5.66E-08	4.31E-04	1.36E-07	5.78E-08	4.31E-04	1.36E-07	5.77E-08
3069	475863.09, 3845877.25	4.36E-04	1.38E-07	5.84E-08	4.45E-04	1.40E-07	5.96E-08	4.44E-04	1.40E-07	5.95E-08
3070	476363.09, 3845877.25	4.08E-04	1.29E-07	5.47E-08	4.16E-04	1.31E-07	5.58E-08	4.16E-04	1.31E-07	5.57E-08
3071	476863.09, 3845877.25	3.81E-04	1.20E-07	5.10E-08	3.88E-04	1.23E-07	5.20E-08	3.88E-04	1.22E-07	5.20E-08
3072	477363.09, 3845877.25	3.80E-04	1.20E-07	5.09E-08	3.88E-04	1.22E-07	5.19E-08	3.87E-04	1.22E-07	5.18E-08
3073	477863.09, 3845877.25	3.60E-04	1.14E-07	4.83E-08	3.68E-04	1.16E-07	4.92E-08	3.67E-04	1.16E-07	4.92E-08
3074	478363.09, 3845877.25	3.69E-04	1.16E-07	4.94E-08	3.76E-04	1.19E-07	5.04E-08	3.76E-04	1.19E-07	5.03E-08
3075	478863.09, 3845877.25	3.75E-04	1.18E-07	5.03E-08	3.83E-04	1.21E-07	5.13E-08	3.83E-04	1.21E-07	5.12E-08
3076	479363.09, 3845877.25	4.00E-04	1.26E-07	5.36E-08	4.08E-04	1.29E-07	5.47E-08	4.08E-04	1.29E-07	5.46E-08
3077	479863.09, 3845877.25	4.03E-04	1.27E-07	5.39E-08	4.11E-04	1.30E-07	5.50E-08	4.10E-04	1.29E-07	5.49E-08
3078	480363.09, 3845877.25	3.74E-04	1.18E-07	5.00E-08	3.81E-04	1.20E-07	5.11E-08	3.81E-04	1.20E-07	5.10E-08
3079	480863.09, 3845877.25	3.67E-04	1.16E-07	4.92E-08	3.75E-04	1.18E-07	5.02E-08	3.74E-04	1.18E-07	5.01E-08
3080	481363.09, 3845877.25	3.64E-04	1.15E-07	4.87E-08	3.71E-04	1.17E-07	4.97E-08	3.71E-04	1.17E-07	4.96E-08
3081	481863.09, 3845877.25	3.49E-04	1.10E-07	4.67E-08	3.56E-04	1.12E-07	4.77E-08	3.56E-04	1.12E-07	4.76E-08
3082	482363.09, 3845877.25	3.28E-04	1.04E-07	4.40E-08	3.35E-04	1.06E-07	4.49E-08	3.35E-04	1.06E-07	4.48E-08
3083	482863.09, 3845877.25	2.65E-04	8.37E-08	3.55E-08	2.71E-04	8.54E-08	3.62E-08	2.70E-04	8.53E-08	3.62E-08
3084	483363.09, 3845877.25	2.40E-04	7.57E-08	3.21E-08	2.45E-04	7.72E-08	3.28E-08	2.44E-04	7.72E-08	3.27E-08
3085	483863.09, 3845877.25	3.04E-04	9.61E-08	4.08E-08	3.11E-04	9.80E-08	4.16E-08	3.10E-04	9.79E-08	4.15E-08
3086	484363.09, 3845877.25	3.10E-04	9.78E-08	4.15E-08	3.16E-04	9.98E-08	4.24E-08	3.16E-04	9.97E-08	4.23E-08
3087	484863.09, 3845877.25	3.04E-04	9.60E-08	4.07E-08	3.10E-04	9.79E-08	4.16E-08	3.10E-04	9.78E-08	4.15E-08
3088	485363.09, 3845877.25	2.91E-04	9.19E-08	3.90E-08	2.97E-04	9.38E-08	3.98E-08	2.97E-04	9.37E-08	3.97E-08
3089	485863.09, 3845877.25	3.01E-04	9.49E-08	4.02E-08	3.07E-04	9.68E-08	4.11E-08	3.06E-04	9.67E-08	4.10E-08
3090	486363.09, 3845877.25	2.97E-04	9.38E-08	3.98E-08	3.03E-04	9.58E-08	4.06E-08	3.03E-04	9.56E-08	4.06E-08
3091	486863.09, 3845877.25	2.78E-04	8.76E-08	3.72E-08	2.83E-04	8.94E-08	3.79E-08	2.83E-04	8.93E-08	3.79E-08
3092	487363.09, 3845877.25	2.74E-04	8.66E-08	3.67E-08	2.80E-04	8.84E-08	3.75E-08	2.80E-04	8.82E-08	3.74E-08
3093	487863.09, 3845877.25	2.56E-04	8.09E-08	3.43E-08	2.62E-04	8.26E-08	3.50E-08	2.61E-04	8.25E-08	3.50E-08
3094	488363.09, 3845877.25	2.49E-04	7.86E-08	3.33E-08	2.54E-04	8.02E-08	3.40E-08	2.54E-04	8.01E-08	3.40E-08
3095	488863.09, 3845877.25	2.88E-04	9.08E-08	3.85E-08	2.93E-04	9.26E-08	3.93E-08	2.93E-04	9.25E-08	3.93E-08
3096	489363.09, 3845877.25	2.86E-04	9.03E-08	3.83E-08	2.92E-04	9.21E-08	3.91E-08	2.92E-04	9.20E-08	3.91E-08

3097	489863.09, 3845877.25	2.67E-04	8.42E-08	3.57E-08	2.72E-04	8.59E-08	3.64E-08	2.72E-04	8.58E-08	3.64E-08
3098	490363.09, 3845877.25	2.40E-04	7.57E-08	3.21E-08	2.45E-04	7.72E-08	3.28E-08	2.44E-04	7.72E-08	3.27E-08
3099	490863.09, 3845877.25	1.93E-04	6.08E-08	2.58E-08	1.97E-04	6.21E-08	2.63E-08	1.96E-04	6.20E-08	2.63E-08
3100	491363.09, 3845877.25	2.17E-04	6.84E-08	2.90E-08	2.21E-04	6.98E-08	2.96E-08	2.21E-04	6.98E-08	2.96E-08
3101	491863.09, 3845877.25	2.31E-04	7.29E-08	3.09E-08	2.36E-04	7.44E-08	3.16E-08	2.35E-04	7.43E-08	3.15E-08
3102	492363.09, 3845877.25	1.96E-04	6.19E-08	2.63E-08	2.00E-04	6.32E-08	2.68E-08	2.00E-04	6.31E-08	2.68E-08
3103	492863.09, 3845877.25	2.39E-04	7.53E-08	3.20E-08	2.44E-04	7.69E-08	3.26E-08	2.43E-04	7.68E-08	3.26E-08
3104	493363.09, 3845877.25	2.53E-04	7.97E-08	3.38E-08	2.58E-04	8.13E-08	3.45E-08	2.57E-04	8.12E-08	3.45E-08
3105	493863.09, 3845877.25	2.66E-04	8.39E-08	3.56E-08	2.71E-04	8.56E-08	3.63E-08	2.71E-04	8.55E-08	3.63E-08
3106	494363.09, 3845877.25	2.74E-04	8.64E-08	3.67E-08	2.79E-04	8.82E-08	3.74E-08	2.79E-04	8.81E-08	3.74E-08
3107	494863.09, 3845877.25	2.76E-04	8.71E-08	3.70E-08	2.82E-04	8.89E-08	3.77E-08	2.81E-04	8.88E-08	3.77E-08
3108	495363.09, 3845877.25	2.84E-04	8.96E-08	3.80E-08	2.90E-04	9.14E-08	3.88E-08	2.89E-04	9.13E-08	3.87E-08
3109	495863.09, 3845877.25	2.92E-04	9.21E-08	3.91E-08	2.98E-04	9.40E-08	3.99E-08	2.97E-04	9.38E-08	3.98E-08
3110	496363.09, 3845877.25	2.99E-04	9.43E-08	4.00E-08	3.05E-04	9.62E-08	4.08E-08	3.05E-04	9.61E-08	4.08E-08
3111	496863.09, 3845877.25	2.98E-04	9.42E-08	4.00E-08	3.05E-04	9.61E-08	4.08E-08	3.04E-04	9.60E-08	4.07E-08
3112	497363.09, 3845877.25	2.98E-04	9.41E-08	3.99E-08	3.04E-04	9.60E-08	4.07E-08	3.04E-04	9.59E-08	4.07E-08
3113	497863.09, 3845877.25	2.99E-04	9.45E-08	4.01E-08	3.05E-04	9.64E-08	4.09E-08	3.05E-04	9.63E-08	4.09E-08
3114	498363.09, 3845877.25	2.97E-04	9.38E-08	3.98E-08	3.03E-04	9.58E-08	4.06E-08	3.03E-04	9.56E-08	4.06E-08
3115	471363.09, 3846377.25	6.55E-04	2.07E-07	8.77E-08	6.68E-04	2.11E-07	8.95E-08	6.67E-04	2.11E-07	8.94E-08
3116	471863.09, 3846377.25	5.87E-04	1.85E-07	7.86E-08	5.99E-04	1.89E-07	8.02E-08	5.98E-04	1.89E-07	8.01E-08
3117	472363.09, 3846377.25	3.08E-04	9.73E-08	4.13E-08	3.15E-04	9.93E-08	4.21E-08	3.14E-04	9.91E-08	4.21E-08
3118	472863.09, 3846377.25	3.46E-04	1.09E-07	4.63E-08	3.53E-04	1.11E-07	4.73E-08	3.53E-04	1.11E-07	4.72E-08
3119	473363.09, 3846377.25	3.46E-04	1.09E-07	4.64E-08	3.53E-04	1.12E-07	4.73E-08	3.53E-04	1.11E-07	4.73E-08
3120	473863.09, 3846377.25	3.98E-04	1.26E-07	5.33E-08	4.06E-04	1.28E-07	5.44E-08	4.06E-04	1.28E-07	5.43E-08
3121	474363.09, 3846377.25	4.19E-04	1.32E-07	5.61E-08	4.28E-04	1.35E-07	5.73E-08	4.27E-04	1.35E-07	5.72E-08
3122	474863.09, 3846377.25	4.77E-04	1.51E-07	6.39E-08	4.87E-04	1.54E-07	6.52E-08	4.86E-04	1.53E-07	6.51E-08
3123	475363.09, 3846377.25	5.45E-04	1.72E-07	7.30E-08	5.56E-04	1.75E-07	7.44E-08	5.55E-04	1.75E-07	7.44E-08
3124	475863.09, 3846377.25	6.29E-04	1.98E-07	8.42E-08	6.42E-04	2.03E-07	8.59E-08	6.41E-04	2.02E-07	8.58E-08
3125	476363.09, 3846377.25	6.18E-04	1.95E-07	8.28E-08	6.31E-04	1.99E-07	8.45E-08	6.30E-04	1.99E-07	8.44E-08
3126	476863.09, 3846377.25	6.12E-04	1.93E-07	8.19E-08	6.24E-04	1.97E-07	8.36E-08	6.23E-04	1.97E-07	8.35E-08
3127	477363.09, 3846377.25	6.15E-04	1.94E-07	8.24E-08	6.28E-04	1.98E-07	8.40E-08	6.27E-04	1.98E-07	8.39E-08
3128	477863.09, 3846377.25	5.95E-04	1.88E-07	7.96E-08	6.07E-04	1.92E-07	8.13E-08	6.06E-04	1.91E-07	8.12E-08
3129	478363.09, 3846377.25	5.87E-04	1.85E-07	7.86E-08	5.99E-04	1.89E-07	8.02E-08	5.99E-04	1.89E-07	8.02E-08
3130	478863.09, 3846377.25	6.14E-04	1.94E-07	8.22E-08	6.27E-04	1.98E-07	8.39E-08	6.26E-04	1.98E-07	8.38E-08
3131	479363.09, 3846377.25	6.21E-04	1.96E-07	8.31E-08	6.33E-04	2.00E-07	8.48E-08	6.32E-04	2.00E-07	8.47E-08
3132	479863.09, 3846377.25	6.04E-04	1.91E-07	8.09E-08	6.16E-04	1.94E-07	8.25E-08	6.15E-04	1.94E-07	8.24E-08
3133	480363.09, 3846377.25	6.12E-04	1.93E-07	8.19E-08	6.24E-04	1.97E-07	8.36E-08	6.23E-04	1.97E-07	8.35E-08
3134	480863.09, 3846377.25	5.51E-04	1.74E-07	7.37E-08	5.62E-04	1.77E-07	7.53E-08	5.61E-04	1.77E-07	7.52E-08
3135	481363.09, 3846377.25	5.45E-04	1.72E-07	7.30E-08	5.56E-04	1.76E-07	7.45E-08	5.56E-04	1.75E-07	7.44E-08
3136	481863.09, 3846377.25	5.14E-04	1.62E-07	6.88E-08	5.24E-04	1.66E-07	7.02E-08	5.24E-04	1.65E-07	7.01E-08
3137	482363.09, 3846377.25	4.69E-04	1.48E-07	6.27E-08	4.78E-04	1.51E-07	6.40E-08	4.78E-04	1.51E-07	6.39E-08
3138	482863.09, 3846377.25	4.00E-04	1.26E-07	5.36E-08	4.08E-04	1.29E-07	5.47E-08	4.08E-04	1.29E-07	5.46E-08
3139	483363.09, 3846377.25	4.25E-04	1.34E-07	5.69E-08	4.34E-04	1.37E-07	5.81E-08	4.33E-04	1.37E-07	5.80E-08
3140	483863.09, 3846377.25	4.22E-04	1.33E-07	5.65E-08	4.31E-04	1.36E-07	5.77E-08	4.30E-04	1.36E-07	5.76E-08
3141	484363.09, 3846377.25	3.87E-04	1.22E-07	5.18E-08	3.94E-04	1.25E-07	5.28E-08	3.94E-04	1.24E-07	5.28E-08
3142	484863.09, 3846377.25	4.28E-04	1.35E-07	5.73E-08	4.37E-04	1.38E-07	5.85E-08	4.36E-04	1.38E-07	5.84E-08
3143	485363.09, 3846377.25	4.28E-04	1.35E-07	5.74E-08	4.37E-04	1.38E-07	5.85E-08	4.37E-04	1.38E-07	5.85E-08
3144	485863.09, 3846377.25	3.99E-04	1.26E-07	5.35E-08	4.07E-04	1.29E-07	5.46E-08	4.07E-04	1.28E-07	5.45E-08
3145	486363.09, 3846377.25	3.37E-04	1.06E-07	4.51E-08	3.43E-04	1.08E-07	4.60E-08	3.43E-04	1.08E-07	4.59E-08
3146	486863.09, 3846377.25	3.20E-04	1.01E-07	4.29E-08	3.27E-04	1.03E-07	4.37E-08	3.26E-04	1.03E-07	4.37E-08
3147	487363.09, 3846377.25	3.31E-04	1.04E-07	4.43E-08	3.38E-04	1.07E-07	4.52E-08	3.37E-04	1.06E-07	4.52E-08
3148	487863.09, 3846377.25	3.69E-04	1.17E-07	4.94E-08	3.77E-04	1.19E-07	5.05E-08	3.76E-04	1.19E-07	5.04E-08
3149	488363.09, 3846377.25	3.60E-04	1.14E-07	4.83E-08	3.68E-04	1.16E-07	4.92E-08	3.67E-04	1.16E-07	4.92E-08
3150	488863.09, 3846377.25	3.56E-04	1.12E-07	4.77E-08	3.63E-04	1.15E-07	4.86E-08	3.63E-04	1.15E-07	4.86E-08
3151	489363.09, 3846377.25	3.49E-04	1.10E-07	4.68E-08	3.56E-04	1.12E-07	4.77E-08	3.56E-04	1.12E-07	4.77E-08
3152	489863.09, 3846377.25	3.26E-04	1.03E-07	4.36E-08	3.33E-04	1.05E-07	4.45E-08	3.32E-04	1.05E-07	4.45E-08
3153	490363.09, 3846377.25	2.64E-04	8.33E-08	3.54E-08	2.69E-04	8.50E-08	3.61E-08	2.69E-04	8.49E-08	3.60E-08
3154	490863.09, 3846377.25	2.40E-04	7.58E-08	3.22E-08	2.45E-04	7.73E-08	3.28E-08	2.45E-04	7.73E-08	3.28E-08
3155	491363.09, 3846377.25	2.35E-04	7.40E-08	3.14E-08	2.39E-04	7.55E-08	3.21E-08	2.39E-04	7.55E-08	3.20E-08
3156	491863.09, 3846377.25	2.73E-04	8.60E-08	3.65E-08	2.78E-04	8.78E-08	3.72E-08	2.78E-04	8.77E-08	3.72E-08
3157	492363.09, 3846377.25	2.61E-04	8.23E-08	3.49E-08	2.66E-04	8.40E-08	3.56E-08	2.66E-04	8.39E-08	3.56E-08
3158	492863.09, 3846377.25	2.63E-04	8.30E-08	3.52E-08	2.68E-04	8.47E-08	3.59E-08	2.68E-04	8.46E-08	3.59E-08

3159	493363.09, 3846377.25	2.90E-04	9.14E-08	3.88E-08	2.96E-04	9.33E-08	3.96E-08	2.95E-04	9.32E-08	3.95E-08
3160	493863.09, 3846377.25	3.01E-04	9.50E-08	4.03E-08	3.07E-04	9.69E-08	4.11E-08	3.07E-04	9.68E-08	4.11E-08
3161	494363.09, 3846377.25	3.09E-04	9.75E-08	4.14E-08	3.15E-04	9.95E-08	4.22E-08	3.15E-04	9.93E-08	4.21E-08
3162	494863.09, 3846377.25	3.14E-04	9.90E-08	4.20E-08	3.20E-04	1.01E-07	4.29E-08	3.20E-04	1.01E-07	4.28E-08
3163	495363.09, 3846377.25	3.17E-04	1.00E-07	4.25E-08	3.24E-04	1.02E-07	4.34E-08	3.23E-04	1.02E-07	4.33E-08
3164	495863.09, 3846377.25	3.25E-04	1.03E-07	4.36E-08	3.32E-04	1.05E-07	4.45E-08	3.32E-04	1.05E-07	4.44E-08
3165	496363.09, 3846377.25	3.32E-04	1.05E-07	4.44E-08	3.39E-04	1.07E-07	4.53E-08	3.38E-04	1.07E-07	4.53E-08
3166	496863.09, 3846377.25	3.35E-04	1.06E-07	4.49E-08	3.42E-04	1.08E-07	4.58E-08	3.41E-04	1.08E-07	4.57E-08
3167	497363.09, 3846377.25	3.36E-04	1.06E-07	4.50E-08	3.43E-04	1.08E-07	4.59E-08	3.42E-04	1.08E-07	4.58E-08
3168	497863.09, 3846377.25	3.33E-04	1.05E-07	4.46E-08	3.40E-04	1.07E-07	4.55E-08	3.39E-04	1.07E-07	4.54E-08
3169	498363.09, 3846377.25	3.27E-04	1.03E-07	4.38E-08	3.34E-04	1.05E-07	4.47E-08	3.34E-04	1.05E-07	4.47E-08
3170	471363.09, 3846877.25	7.12E-04	2.25E-07	9.53E-08	7.26E-04	2.29E-07	9.73E-08	7.26E-04	2.29E-07	9.72E-08
3171	471863.09, 3846877.25	8.41E-04	2.65E-07	1.13E-07	8.58E-04	2.71E-07	1.15E-07	8.57E-04	2.71E-07	1.15E-07
3172	472363.09, 3846877.25	9.14E-04	2.88E-07	1.22E-07	9.33E-04	2.94E-07	1.25E-07	9.32E-04	2.94E-07	1.25E-07
3173	472863.09, 3846877.25	4.05E-04	1.28E-07	5.43E-08	4.14E-04	1.31E-07	5.54E-08	4.13E-04	1.30E-07	5.53E-08
3174	473363.09, 3846877.25	5.11E-04	1.61E-07	6.84E-08	5.21E-04	1.65E-07	6.98E-08	5.21E-04	1.64E-07	6.97E-08
3175	473863.09, 3846877.25	6.15E-04	1.94E-07	8.23E-08	6.27E-04	1.98E-07	8.40E-08	6.26E-04	1.98E-07	8.39E-08
3176	474363.09, 3846877.25	6.07E-04	1.92E-07	8.13E-08	6.19E-04	1.95E-07	8.29E-08	6.19E-04	1.95E-07	8.28E-08
3177	474863.09, 3846877.25	6.35E-04	2.00E-07	8.50E-08	6.48E-04	2.05E-07	8.68E-08	6.47E-04	2.04E-07	8.67E-08
3178	475363.09, 3846877.25	6.76E-04	2.13E-07	9.06E-08	6.90E-04	2.18E-07	9.24E-08	6.89E-04	2.18E-07	9.23E-08
3179	475863.09, 3846877.25	9.27E-04	2.93E-07	1.24E-07	9.46E-04	2.99E-07	1.27E-07	9.45E-04	2.98E-07	1.27E-07
3180	476363.09, 3846877.25	1.08E-03	3.39E-07	1.44E-07	1.10E-03	3.46E-07	1.47E-07	1.10E-03	3.46E-07	1.47E-07
3181	476863.09, 3846877.25	1.08E-03	3.41E-07	1.45E-07	1.10E-03	3.48E-07	1.48E-07	1.10E-03	3.47E-07	1.47E-07
3182	477363.09, 3846877.25	1.08E-03	3.42E-07	1.45E-07	1.10E-03	3.49E-07	1.48E-07	1.10E-03	3.48E-07	1.48E-07
3183	477863.09, 3846877.25	1.04E-03	3.28E-07	1.39E-07	1.06E-03	3.34E-07	1.42E-07	1.06E-03	3.34E-07	1.42E-07
3184	478363.09, 3846877.25	1.02E-03	3.21E-07	1.36E-07	1.04E-03	3.28E-07	1.39E-07	1.04E-03	3.27E-07	1.39E-07
3185	478863.09, 3846877.25	1.03E-03	3.24E-07	1.38E-07	1.05E-03	3.31E-07	1.40E-07	1.05E-03	3.31E-07	1.40E-07
3186	479363.09, 3846877.25	9.87E-04	3.12E-07	1.32E-07	1.01E-03	3.18E-07	1.35E-07	1.01E-03	3.18E-07	1.35E-07
3187	479863.09, 3846877.25	8.30E-04	2.62E-07	1.11E-07	8.47E-04	2.67E-07	1.13E-07	8.46E-04	2.67E-07	1.13E-07
3188	480363.09, 3846877.25	7.39E-04	2.33E-07	9.90E-08	7.54E-04	2.38E-07	1.01E-07	7.54E-04	2.38E-07	1.01E-07
3189	480863.09, 3846877.25	7.01E-04	2.21E-07	9.39E-08	7.16E-04	2.26E-07	9.58E-08	7.15E-04	2.26E-07	9.57E-08
3190	481363.09, 3846877.25	7.30E-04	2.30E-07	9.77E-08	7.45E-04	2.35E-07	9.97E-08	7.44E-04	2.35E-07	9.96E-08
3191	481863.09, 3846877.25	7.13E-04	2.25E-07	9.55E-08	7.27E-04	2.30E-07	9.74E-08	7.26E-04	2.29E-07	9.73E-08
3192	482363.09, 3846877.25	6.25E-04	1.97E-07	8.37E-08	6.38E-04	2.01E-07	8.54E-08	6.37E-04	2.01E-07	8.53E-08
3193	482863.09, 3846877.25	6.09E-04	1.92E-07	8.15E-08	6.21E-04	1.96E-07	8.32E-08	6.20E-04	1.96E-07	8.31E-08
3194	483363.09, 3846877.25	5.91E-04	1.86E-07	7.91E-08	6.03E-04	1.90E-07	8.07E-08	6.02E-04	1.90E-07	8.06E-08
3195	483863.09, 3846877.25	5.77E-04	1.82E-07	7.73E-08	5.89E-04	1.86E-07	7.89E-08	5.88E-04	1.86E-07	7.88E-08
3196	484363.09, 3846877.25	5.77E-04	1.82E-07	7.73E-08	5.89E-04	1.86E-07	7.89E-08	5.88E-04	1.86E-07	7.88E-08
3197	484863.09, 3846877.25	5.58E-04	1.76E-07	7.47E-08	5.69E-04	1.80E-07	7.63E-08	5.69E-04	1.80E-07	7.62E-08
3198	485363.09, 3846877.25	5.58E-04	1.76E-07	7.47E-08	5.69E-04	1.80E-07	7.62E-08	5.69E-04	1.79E-07	7.61E-08
3199	485863.09, 3846877.25	5.25E-04	1.66E-07	7.03E-08	5.36E-04	1.69E-07	7.18E-08	5.35E-04	1.69E-07	7.17E-08
3200	486363.09, 3846877.25	5.47E-04	1.73E-07	7.32E-08	5.58E-04	1.76E-07	7.47E-08	5.57E-04	1.76E-07	7.46E-08
3201	486863.09, 3846877.25	4.64E-04	1.46E-07	6.21E-08	4.74E-04	1.49E-07	6.34E-08	4.73E-04	1.49E-07	6.33E-08
3202	487363.09, 3846877.25	4.71E-04	1.49E-07	6.31E-08	4.81E-04	1.52E-07	6.44E-08	4.80E-04	1.52E-07	6.43E-08
3203	487863.09, 3846877.25	4.62E-04	1.46E-07	6.19E-08	4.72E-04	1.49E-07	6.32E-08	4.71E-04	1.49E-07	6.31E-08
3204	488363.09, 3846877.25	4.43E-04	1.40E-07	5.93E-08	4.52E-04	1.43E-07	6.05E-08	4.51E-04	1.42E-07	6.04E-08
3205	488863.09, 3846877.25	4.36E-04	1.38E-07	5.84E-08	4.45E-04	1.41E-07	5.96E-08	4.45E-04	1.40E-07	5.96E-08
3206	489363.09, 3846877.25	4.29E-04	1.35E-07	5.74E-08	4.37E-04	1.38E-07	5.86E-08	4.37E-04	1.38E-07	5.85E-08
3207	489863.09, 3846877.25	4.02E-04	1.27E-07	5.39E-08	4.10E-04	1.30E-07	5.50E-08	4.10E-04	1.29E-07	5.49E-08
3208	490363.09, 3846877.25	3.37E-04	1.06E-07	4.51E-08	3.43E-04	1.08E-07	4.60E-08	3.43E-04	1.08E-07	4.59E-08
3209	490863.09, 3846877.25	3.17E-04	1.00E-07	4.25E-08	3.24E-04	1.02E-07	4.33E-08	3.23E-04	1.02E-07	4.33E-08
3210	491363.09, 3846877.25	3.12E-04	9.84E-08	4.17E-08	3.18E-04	1.00E-07	4.26E-08	3.18E-04	1.00E-07	4.25E-08
3211	491863.09, 3846877.25	2.88E-04	9.10E-08	3.86E-08	2.94E-04	9.29E-08	3.94E-08	2.94E-04	9.28E-08	3.94E-08
3212	492363.09, 3846877.25	3.31E-04	1.04E-07	4.43E-08	3.38E-04	1.07E-07	4.52E-08	3.37E-04	1.06E-07	4.52E-08
3213	492863.09, 3846877.25	3.31E-04	1.04E-07	4.43E-08	3.37E-04	1.06E-07	4.52E-08	3.37E-04	1.06E-07	4.51E-08
3214	493363.09, 3846877.25	3.42E-04	1.08E-07	4.57E-08	3.48E-04	1.10E-07	4.67E-08	3.48E-04	1.10E-07	4.66E-08
3215	493863.09, 3846877.25	3.46E-04	1.09E-07	4.63E-08	3.53E-04	1.11E-07	4.72E-08	3.52E-04	1.11E-07	4.72E-08
3216	494363.09, 3846877.25	3.43E-04	1.08E-07	4.60E-08	3.50E-04	1.11E-07	4.69E-08	3.50E-04	1.10E-07	4.69E-08
3217	494863.09, 3846877.25	3.44E-04	1.09E-07	4.61E-08	3.51E-04	1.11E-07	4.71E-08	3.51E-04	1.11E-07	4.70E-08
3218	495363.09, 3846877.25	3.44E-04	1.09E-07	4.61E-08	3.51E-04	1.11E-07	4.70E-08	3.51E-04	1.11E-07	4.70E-08
3219	495863.09, 3846877.25	3.44E-04	1.09E-07	4.60E-08	3.51E-04	1.11E-07	4.70E-08	3.50E-04	1.11E-07	4.69E-08
3220	496363.09, 3846877.25	3.45E-04	1.09E-07	4.62E-08	3.52E-04	1.11E-07	4.72E-08	3.52E-04	1.11E-07	4.71E-08

3221	496863.09, 3846877.25	3.52E-04	1.11E-07	4.71E-08	3.59E-04	1.13E-07	4.81E-08	3.59E-04	1.13E-07	4.80E-08
3222	497363.09, 3846877.25	3.63E-04	1.15E-07	4.86E-08	3.70E-04	1.17E-07	4.96E-08	3.70E-04	1.17E-07	4.95E-08
3223	497863.09, 3846877.25	3.69E-04	1.16E-07	4.94E-08	3.76E-04	1.19E-07	5.04E-08	3.76E-04	1.19E-07	5.03E-08
3224	498363.09, 3846877.25	3.58E-04	1.13E-07	4.80E-08	3.66E-04	1.15E-07	4.90E-08	3.65E-04	1.15E-07	4.89E-08
3225	471363.09, 3847377.25	8.48E-04	2.68E-07	1.14E-07	8.65E-04	2.73E-07	1.16E-07	8.64E-04	2.73E-07	1.16E-07
3226	471863.09, 3847377.25	9.72E-04	3.07E-07	1.30E-07	9.92E-04	3.13E-07	1.33E-07	9.90E-04	3.13E-07	1.33E-07
3227	472363.09, 3847377.25	1.17E-03	3.69E-07	1.56E-07	1.19E-03	3.76E-07	1.60E-07	1.19E-03	3.76E-07	1.59E-07
3228	472863.09, 3847377.25	1.47E-03	4.65E-07	1.97E-07	1.50E-03	4.75E-07	2.02E-07	1.50E-03	4.74E-07	2.01E-07
3229	473363.09, 3847377.25	1.01E-03	3.20E-07	1.36E-07	1.03E-03	3.26E-07	1.38E-07	1.03E-03	3.26E-07	1.38E-07
3230	473863.09, 3847377.25	1.03E-03	3.24E-07	1.37E-07	1.05E-03	3.31E-07	1.40E-07	1.05E-03	3.30E-07	1.40E-07
3231	474363.09, 3847377.25	1.18E-03	3.73E-07	1.58E-07	1.21E-03	3.81E-07	1.62E-07	1.20E-03	3.80E-07	1.61E-07
3232	474863.09, 3847377.25	1.26E-03	3.99E-07	1.69E-07	1.29E-03	4.07E-07	1.73E-07	1.29E-03	4.07E-07	1.73E-07
3233	475363.09, 3847377.25	1.40E-03	4.43E-07	1.88E-07	1.43E-03	4.52E-07	1.92E-07	1.43E-03	4.51E-07	1.91E-07
3234	475863.09, 3847377.25	1.88E-03	5.95E-07	2.52E-07	1.92E-03	6.07E-07	2.57E-07	1.92E-03	6.06E-07	2.57E-07
3235	476363.09, 3847377.25	2.25E-03	7.09E-07	3.01E-07	2.29E-03	7.24E-07	3.07E-07	2.29E-03	7.23E-07	3.07E-07
3236	476863.09, 3847377.25	2.10E-03	6.63E-07	2.81E-07	2.14E-03	6.76E-07	2.87E-07	2.14E-03	6.76E-07	2.87E-07
3237	477363.09, 3847377.25	2.01E-03	6.35E-07	2.69E-07	2.05E-03	6.48E-07	2.75E-07	2.05E-03	6.47E-07	2.74E-07
3238	477863.09, 3847377.25	1.84E-03	5.82E-07	2.47E-07	1.88E-03	5.94E-07	2.52E-07	1.88E-03	5.93E-07	2.52E-07
3239	478363.09, 3847377.25	1.75E-03	5.51E-07	2.34E-07	1.78E-03	5.63E-07	2.39E-07	1.78E-03	5.62E-07	2.38E-07
3240	478863.09, 3847377.25	1.69E-03	5.32E-07	2.26E-07	1.72E-03	5.43E-07	2.30E-07	1.72E-03	5.43E-07	2.30E-07
3241	479363.09, 3847377.25	1.40E-03	4.43E-07	1.88E-07	1.43E-03	4.52E-07	1.92E-07	1.43E-03	4.51E-07	1.91E-07
3242	479863.09, 3847377.25	1.09E-03	3.44E-07	1.46E-07	1.11E-03	3.51E-07	1.49E-07	1.11E-03	3.51E-07	1.49E-07
3243	480363.09, 3847377.25	8.19E-04	2.59E-07	1.10E-07	8.36E-04	2.64E-07	1.12E-07	8.35E-04	2.64E-07	1.12E-07
3244	480863.09, 3847377.25	7.37E-04	2.33E-07	9.87E-08	7.52E-04	2.37E-07	1.01E-07	7.51E-04	2.37E-07	1.01E-07
3245	481363.09, 3847377.25	8.05E-04	2.54E-07	1.08E-07	8.22E-04	2.59E-07	1.10E-07	8.21E-04	2.59E-07	1.10E-07
3246	481863.09, 3847377.25	9.65E-04	3.05E-07	1.29E-07	9.85E-04	3.11E-07	1.32E-07	9.84E-04	3.11E-07	1.32E-07
3247	482363.09, 3847377.25	9.24E-04	2.92E-07	1.24E-07	9.43E-04	2.98E-07	1.26E-07	9.42E-04	2.97E-07	1.26E-07
3248	482863.09, 3847377.25	8.57E-04	2.71E-07	1.15E-07	8.75E-04	2.76E-07	1.17E-07	8.74E-04	2.76E-07	1.17E-07
3249	483363.09, 3847377.25	7.95E-04	2.51E-07	1.06E-07	8.11E-04	2.56E-07	1.09E-07	8.10E-04	2.56E-07	1.09E-07
3250	483863.09, 3847377.25	7.73E-04	2.44E-07	1.04E-07	7.89E-04	2.49E-07	1.06E-07	7.88E-04	2.49E-07	1.05E-07
3251	484363.09, 3847377.25	7.95E-04	2.51E-07	1.06E-07	8.12E-04	2.56E-07	1.09E-07	8.11E-04	2.56E-07	1.09E-07
3252	484863.09, 3847377.25	7.56E-04	2.38E-07	1.01E-07	7.71E-04	2.43E-07	1.03E-07	7.70E-04	2.43E-07	1.03E-07
3253	485363.09, 3847377.25	7.35E-04	2.32E-07	9.84E-08	7.50E-04	2.37E-07	1.00E-07	7.49E-04	2.36E-07	1.00E-07
3254	485863.09, 3847377.25	7.31E-04	2.31E-07	9.79E-08	7.46E-04	2.36E-07	9.99E-08	7.45E-04	2.35E-07	9.98E-08
3255	486363.09, 3847377.25	7.24E-04	2.29E-07	9.70E-08	7.39E-04	2.33E-07	9.89E-08	7.38E-04	2.33E-07	9.88E-08
3256	486863.09, 3847377.25	6.42E-04	2.03E-07	8.59E-08	6.55E-04	2.07E-07	8.77E-08	6.54E-04	2.06E-07	8.76E-08
3257	487363.09, 3847377.25	6.38E-04	2.01E-07	8.54E-08	6.51E-04	2.05E-07	8.72E-08	6.50E-04	2.05E-07	8.71E-08
3258	487863.09, 3847377.25	5.80E-04	1.83E-07	7.77E-08	5.92E-04	1.87E-07	7.93E-08	5.92E-04	1.87E-07	7.92E-08
3259	488363.09, 3847377.25	5.55E-04	1.75E-07	7.43E-08	5.66E-04	1.79E-07	7.59E-08	5.66E-04	1.79E-07	7.58E-08
3260	488863.09, 3847377.25	5.40E-04	1.70E-07	7.22E-08	5.51E-04	1.74E-07	7.37E-08	5.50E-04	1.74E-07	7.36E-08
3261	489363.09, 3847377.25	5.25E-04	1.66E-07	7.04E-08	5.36E-04	1.69E-07	7.18E-08	5.35E-04	1.69E-07	7.17E-08
3262	489863.09, 3847377.25	4.77E-04	1.50E-07	6.38E-08	4.87E-04	1.54E-07	6.51E-08	4.86E-04	1.53E-07	6.51E-08
3263	490363.09, 3847377.25	4.32E-04	1.36E-07	5.78E-08	4.41E-04	1.39E-07	5.90E-08	4.40E-04	1.39E-07	5.90E-08
3264	490863.09, 3847377.25	4.17E-04	1.32E-07	5.59E-08	4.26E-04	1.34E-07	5.70E-08	4.25E-04	1.34E-07	5.69E-08
3265	491363.09, 3847377.25	3.97E-04	1.25E-07	5.32E-08	4.05E-04	1.28E-07	5.42E-08	4.05E-04	1.28E-07	5.42E-08
3266	491863.09, 3847377.25	4.14E-04	1.31E-07	5.54E-08	4.22E-04	1.33E-07	5.66E-08	4.22E-04	1.33E-07	5.65E-08
3267	492363.09, 3847377.25	3.94E-04	1.24E-07	5.28E-08	4.02E-04	1.27E-07	5.39E-08	4.02E-04	1.27E-07	5.38E-08
3268	492863.09, 3847377.25	3.98E-04	1.26E-07	5.33E-08	4.06E-04	1.28E-07	5.44E-08	4.06E-04	1.28E-07	5.43E-08
3269	493363.09, 3847377.25	3.95E-04	1.25E-07	5.28E-08	4.03E-04	1.27E-07	5.39E-08	4.02E-04	1.27E-07	5.39E-08
3270	493863.09, 3847377.25	3.77E-04	1.19E-07	5.05E-08	3.85E-04	1.21E-07	5.15E-08	3.84E-04	1.21E-07	5.14E-08
3271	494363.09, 3847377.25	3.62E-04	1.14E-07	4.85E-08	3.70E-04	1.17E-07	4.95E-08	3.69E-04	1.16E-07	4.94E-08
3272	494863.09, 3847377.25	3.55E-04	1.12E-07	4.76E-08	3.63E-04	1.14E-07	4.86E-08	3.62E-04	1.14E-07	4.85E-08
3273	495363.09, 3847377.25	3.49E-04	1.10E-07	4.67E-08	3.56E-04	1.12E-07	4.77E-08	3.56E-04	1.12E-07	4.76E-08
3274	495863.09, 3847377.25	3.49E-04	1.10E-07	4.67E-08	3.56E-04	1.12E-07	4.76E-08	3.55E-04	1.12E-07	4.76E-08
3275	496363.09, 3847377.25	3.46E-04	1.09E-07	4.63E-08	3.53E-04	1.11E-07	4.73E-08	3.53E-04	1.11E-07	4.72E-08
3276	496863.09, 3847377.25	3.56E-04	1.12E-07	4.77E-08	3.64E-04	1.15E-07	4.87E-08	3.63E-04	1.15E-07	4.86E-08
3277	497363.09, 3847377.25	3.74E-04	1.18E-07	5.01E-08	3.82E-04	1.21E-07	5.11E-08	3.81E-04	1.20E-07	5.11E-08
3278	497863.09, 3847377.25	3.97E-04	1.25E-07	5.32E-08	4.05E-04	1.28E-07	5.42E-08	4.05E-04	1.28E-07	5.42E-08
3279	498363.09, 3847377.25	3.93E-04	1.24E-07	5.26E-08	4.01E-04	1.27E-07	5.37E-08	4.01E-04	1.26E-07	5.36E-08
3280	471363.09, 3847877.25	1.01E-03	3.20E-07	1.36E-07	1.04E-03	3.27E-07	1.39E-07	1.03E-03	3.26E-07	1.39E-07
3281	471863.09, 3847877.25	1.20E-03	3.80E-07	1.61E-07	1.23E-03	3.88E-07	1.65E-07	1.23E-03	3.88E-07	1.64E-07
3282	472363.09, 3847877.25	1.47E-03	4.65E-07	1.97E-07	1.50E-03	4.75E-07	2.01E-07	1.50E-03	4.74E-07	2.01E-07

3283	472863.09, 3847877.25	1.96E-03	6.19E-07	2.63E-07	2.00E-03	6.32E-07	2.68E-07	2.00E-03	6.31E-07	2.68E-07
3284	473363.09, 3847877.25	3.21E-03	1.01E-06	4.29E-07	3.27E-03	1.03E-06	4.38E-07	3.27E-03	1.03E-06	4.38E-07
3285	473863.09, 3847877.25	1.97E-02	6.22E-06	2.64E-06	2.01E-02	6.35E-06	2.69E-06	2.01E-02	6.34E-06	2.69E-06
3286	474363.09, 3847877.25	8.70E-03	2.75E-06	1.17E-06	8.88E-03	2.80E-06	1.19E-06	8.87E-03	2.80E-06	1.19E-06
3287	474863.09, 3847877.25	7.15E-03	2.26E-06	9.58E-07	7.30E-03	2.30E-06	9.77E-07	7.29E-03	2.30E-06	9.76E-07
3288	475363.09, 3847877.25	4.94E-03	1.56E-06	6.62E-07	5.04E-03	1.59E-06	6.75E-07	5.04E-03	1.59E-06	6.75E-07
3289	475863.09, 3847877.25	3.87E-03	1.22E-06	5.18E-07	3.95E-03	1.25E-06	5.29E-07	3.94E-03	1.25E-06	5.28E-07
3290	476363.09, 3847877.25	4.38E-03	1.38E-06	5.86E-07	4.47E-03	1.41E-06	5.98E-07	4.46E-03	1.41E-06	5.98E-07
3291	476863.09, 3847877.25	3.96E-03	1.25E-06	5.30E-07	4.04E-03	1.27E-06	5.41E-07	4.03E-03	1.27E-06	5.40E-07
3292	477363.09, 3847877.25	3.53E-03	1.11E-06	4.73E-07	3.60E-03	1.14E-06	4.83E-07	3.60E-03	1.14E-06	4.82E-07
3293	477863.09, 3847877.25	3.17E-03	9.99E-07	4.24E-07	3.23E-03	1.02E-06	4.33E-07	3.23E-03	1.02E-06	4.32E-07
3294	478363.09, 3847877.25	2.83E-03	8.93E-07	3.79E-07	2.89E-03	9.12E-07	3.87E-07	2.88E-03	9.10E-07	3.86E-07
3295	478863.09, 3847877.25	2.59E-03	8.18E-07	3.47E-07	2.64E-03	8.35E-07	3.54E-07	2.64E-03	8.34E-07	3.54E-07
3296	479363.09, 3847877.25	1.92E-03	6.06E-07	2.57E-07	1.96E-03	6.19E-07	2.62E-07	1.96E-03	6.18E-07	2.62E-07
3297	479863.09, 3847877.25	1.23E-03	3.89E-07	1.65E-07	1.26E-03	3.97E-07	1.69E-07	1.26E-03	3.97E-07	1.68E-07
3298	480363.09, 3847877.25	1.26E-03	3.97E-07	1.68E-07	1.28E-03	4.05E-07	1.72E-07	1.28E-03	4.05E-07	1.72E-07
3299	480863.09, 3847877.25	1.11E-03	3.49E-07	1.48E-07	1.13E-03	3.56E-07	1.51E-07	1.13E-03	3.56E-07	1.51E-07
3300	481363.09, 3847877.25	1.09E-03	3.44E-07	1.46E-07	1.11E-03	3.51E-07	1.49E-07	1.11E-03	3.51E-07	1.49E-07
3301	481863.09, 3847877.25	1.36E-03	4.31E-07	1.83E-07	1.39E-03	4.39E-07	1.86E-07	1.39E-03	4.39E-07	1.86E-07
3302	482363.09, 3847877.25	1.27E-03	4.00E-07	1.70E-07	1.29E-03	4.08E-07	1.73E-07	1.29E-03	4.07E-07	1.73E-07
3303	482863.09, 3847877.25	1.14E-03	3.61E-07	1.53E-07	1.17E-03	3.68E-07	1.56E-07	1.17E-03	3.68E-07	1.56E-07
3304	483363.09, 3847877.25	1.06E-03	3.36E-07	1.43E-07	1.09E-03	3.43E-07	1.46E-07	1.09E-03	3.43E-07	1.45E-07
3305	483863.09, 3847877.25	1.03E-03	3.26E-07	1.38E-07	1.05E-03	3.32E-07	1.41E-07	1.05E-03	3.32E-07	1.41E-07
3306	484363.09, 3847877.25	1.04E-03	3.28E-07	1.39E-07	1.06E-03	3.34E-07	1.42E-07	1.06E-03	3.34E-07	1.42E-07
3307	484863.09, 3847877.25	9.96E-04	3.14E-07	1.33E-07	1.02E-03	3.21E-07	1.36E-07	1.01E-03	3.20E-07	1.36E-07
3308	485363.09, 3847877.25	9.83E-04	3.10E-07	1.32E-07	1.00E-03	3.17E-07	1.34E-07	1.00E-03	3.16E-07	1.34E-07
3309	485863.09, 3847877.25	9.70E-04	3.06E-07	1.30E-07	9.90E-04	3.12E-07	1.33E-07	9.88E-04	3.12E-07	1.32E-07
3310	486363.09, 3847877.25	8.92E-04	2.81E-07	1.19E-07	9.10E-04	2.87E-07	1.22E-07	9.09E-04	2.87E-07	1.22E-07
3311	486863.09, 3847877.25	8.30E-04	2.62E-07	1.11E-07	8.47E-04	2.67E-07	1.13E-07	8.46E-04	2.67E-07	1.13E-07
3312	487363.09, 3847877.25	7.85E-04	2.48E-07	1.05E-07	8.01E-04	2.53E-07	1.07E-07	8.00E-04	2.53E-07	1.07E-07
3313	487863.09, 3847877.25	7.20E-04	2.27E-07	9.65E-08	7.35E-04	2.32E-07	9.84E-08	7.34E-04	2.32E-07	9.83E-08
3314	488363.09, 3847877.25	6.84E-04	2.16E-07	9.15E-08	6.98E-04	2.20E-07	9.34E-08	6.97E-04	2.20E-07	9.33E-08
3315	488863.09, 3847877.25	6.62E-04	2.09E-07	8.86E-08	6.75E-04	2.13E-07	9.04E-08	6.74E-04	2.13E-07	9.03E-08
3316	489363.09, 3847877.25	6.40E-04	2.02E-07	8.57E-08	6.53E-04	2.06E-07	8.75E-08	6.53E-04	2.06E-07	8.74E-08
3317	489863.09, 3847877.25	6.43E-04	2.03E-07	8.61E-08	6.56E-04	2.07E-07	8.79E-08	6.56E-04	2.07E-07	8.78E-08
3318	490363.09, 3847877.25	6.12E-04	1.93E-07	8.20E-08	6.25E-04	1.97E-07	8.36E-08	6.24E-04	1.97E-07	8.35E-08
3319	490863.09, 3847877.25	5.70E-04	1.80E-07	7.63E-08	5.81E-04	1.83E-07	7.78E-08	5.81E-04	1.83E-07	7.77E-08
3320	491363.09, 3847877.25	5.10E-04	1.61E-07	6.83E-08	5.20E-04	1.64E-07	6.97E-08	5.20E-04	1.64E-07	6.96E-08
3321	491863.09, 3847877.25	4.90E-04	1.55E-07	6.57E-08	5.00E-04	1.58E-07	6.70E-08	5.00E-04	1.58E-07	6.69E-08
3322	492363.09, 3847877.25	4.78E-04	1.51E-07	6.40E-08	4.88E-04	1.54E-07	6.53E-08	4.87E-04	1.54E-07	6.53E-08
3323	492863.09, 3847877.25	4.59E-04	1.45E-07	6.15E-08	4.69E-04	1.48E-07	6.28E-08	4.68E-04	1.48E-07	6.27E-08
3324	493363.09, 3847877.25	4.15E-04	1.31E-07	5.56E-08	4.24E-04	1.34E-07	5.68E-08	4.23E-04	1.34E-07	5.67E-08
3325	493863.09, 3847877.25	3.86E-04	1.22E-07	5.17E-08	3.94E-04	1.24E-07	5.27E-08	3.93E-04	1.24E-07	5.27E-08
3326	494363.09, 3847877.25	3.71E-04	1.17E-07	4.96E-08	3.78E-04	1.19E-07	5.07E-08	3.78E-04	1.19E-07	5.06E-08
3327	494863.09, 3847877.25	3.62E-04	1.14E-07	4.85E-08	3.70E-04	1.17E-07	4.95E-08	3.69E-04	1.17E-07	4.95E-08
3328	495363.09, 3847877.25	3.44E-04	1.09E-07	4.61E-08	3.51E-04	1.11E-07	4.70E-08	3.51E-04	1.11E-07	4.70E-08
3329	495863.09, 3847877.25	2.90E-04	9.16E-08	3.89E-08	2.96E-04	9.35E-08	3.97E-08	2.96E-04	9.34E-08	3.96E-08
3330	496363.09, 3847877.25	3.40E-04	1.07E-07	4.55E-08	3.47E-04	1.09E-07	4.64E-08	3.46E-04	1.09E-07	4.64E-08
3331	496863.09, 3847877.25	3.49E-04	1.10E-07	4.68E-08	3.57E-04	1.13E-07	4.78E-08	3.56E-04	1.12E-07	4.77E-08
3332	497363.09, 3847877.25	3.68E-04	1.16E-07	4.93E-08	3.76E-04	1.19E-07	5.03E-08	3.75E-04	1.18E-07	5.03E-08
3333	497863.09, 3847877.25	4.19E-04	1.32E-07	5.61E-08	4.28E-04	1.35E-07	5.73E-08	4.27E-04	1.35E-07	5.72E-08
3334	498363.09, 3847877.25	4.26E-04	1.35E-07	5.71E-08	4.35E-04	1.37E-07	5.83E-08	4.35E-04	1.37E-07	5.82E-08
3335	471363.09, 3848377.25	1.08E-03	3.41E-07	1.45E-07	1.10E-03	3.48E-07	1.48E-07	1.10E-03	3.48E-07	1.47E-07
3336	471863.09, 3848377.25	1.31E-03	4.15E-07	1.76E-07	1.34E-03	4.23E-07	1.80E-07	1.34E-03	4.23E-07	1.79E-07
3337	472363.09, 3848377.25	1.67E-03	5.27E-07	2.24E-07	1.71E-03	5.38E-07	2.28E-07	1.70E-03	5.38E-07	2.28E-07
3338	472863.09, 3848377.25	2.27E-03	7.17E-07	3.04E-07	2.32E-03	7.32E-07	3.10E-07	2.32E-03	7.31E-07	3.10E-07
3339	473363.09, 3848377.25	3.41E-03	1.08E-06	4.57E-07	3.48E-03	1.10E-06	4.66E-07	3.48E-03	1.10E-06	4.65E-07
3340	473863.09, 3848377.25	6.27E-03	1.98E-06	8.40E-07	6.40E-03	2.02E-06	8.57E-07	6.39E-03	2.02E-06	8.56E-07
3341	474363.09, 3848377.25	2.27E-02	7.17E-06	3.04E-06	2.32E-02	7.32E-06	3.10E-06	2.32E-02	7.31E-06	3.10E-06
3342	474863.09, 3848377.25	2.11E-02	6.66E-06	2.83E-06	2.15E-02	6.80E-06	2.88E-06	2.15E-02	6.79E-06	2.88E-06
3343	475363.09, 3848377.25	1.44E-02	4.56E-06	1.93E-06	1.47E-02	4.65E-06	1.97E-06	1.47E-02	4.65E-06	1.97E-06
3344	475863.09, 3848377.25	8.79E-03	2.77E-06	1.18E-06	8.97E-03	2.83E-06	1.20E-06	8.96E-03	2.83E-06	1.20E-06

3345	476363.09, 3848377.25	6.12E-03	1.93E-06	8.19E-07	6.24E-03	1.97E-06	8.36E-07	6.24E-03	1.97E-06	8.35E-07
3346	476863.09, 3848377.25	6.56E-03	2.07E-06	8.79E-07	6.70E-03	2.11E-06	8.97E-07	6.69E-03	2.11E-06	8.96E-07
3347	477363.09, 3848377.25	5.66E-03	1.79E-06	7.57E-07	5.77E-03	1.82E-06	7.73E-07	5.77E-03	1.82E-06	7.72E-07
3348	477863.09, 3848377.25	5.10E-03	1.61E-06	6.83E-07	5.21E-03	1.64E-06	6.97E-07	5.20E-03	1.64E-06	6.96E-07
3349	478363.09, 3848377.25	4.49E-03	1.42E-06	6.01E-07	4.58E-03	1.44E-06	6.13E-07	4.57E-03	1.44E-06	6.12E-07
3350	478863.09, 3848377.25	3.81E-03	1.20E-06	5.10E-07	3.88E-03	1.23E-06	5.20E-07	3.88E-03	1.22E-06	5.20E-07
3351	479363.09, 3848377.25	2.85E-03	8.99E-07	3.81E-07	2.91E-03	9.17E-07	3.89E-07	2.90E-03	9.16E-07	3.89E-07
3352	479863.09, 3848377.25	1.21E-03	3.82E-07	1.62E-07	1.24E-03	3.90E-07	1.65E-07	1.23E-03	3.89E-07	1.65E-07
3353	480363.09, 3848377.25	1.60E-03	5.05E-07	2.14E-07	1.63E-03	5.15E-07	2.19E-07	1.63E-03	5.15E-07	2.18E-07
3354	480863.09, 3848377.25	1.97E-03	6.23E-07	2.64E-07	2.01E-03	6.35E-07	2.70E-07	2.01E-03	6.35E-07	2.69E-07
3355	481363.09, 3848377.25	1.88E-03	5.94E-07	2.52E-07	1.92E-03	6.06E-07	2.57E-07	1.92E-03	6.06E-07	2.57E-07
3356	481863.09, 3848377.25	1.85E-03	5.83E-07	2.47E-07	1.88E-03	5.95E-07	2.52E-07	1.88E-03	5.94E-07	2.52E-07
3357	482363.09, 3848377.25	1.76E-03	5.55E-07	2.36E-07	1.80E-03	5.67E-07	2.40E-07	1.79E-03	5.66E-07	2.40E-07
3358	482863.09, 3848377.25	1.55E-03	4.88E-07	2.07E-07	1.58E-03	4.98E-07	2.11E-07	1.58E-03	4.97E-07	2.11E-07
3359	483363.09, 3848377.25	1.44E-03	4.56E-07	1.93E-07	1.47E-03	4.65E-07	1.97E-07	1.47E-03	4.64E-07	1.97E-07
3360	483863.09, 3848377.25	1.31E-03	4.12E-07	1.75E-07	1.33E-03	4.21E-07	1.79E-07	1.33E-03	4.20E-07	1.78E-07
3361	484363.09, 3848377.25	1.27E-03	4.01E-07	1.70E-07	1.30E-03	4.09E-07	1.74E-07	1.29E-03	4.08E-07	1.73E-07
3362	484863.09, 3848377.25	1.30E-03	4.11E-07	1.74E-07	1.33E-03	4.19E-07	1.78E-07	1.33E-03	4.19E-07	1.78E-07
3363	485363.09, 3848377.25	1.25E-03	3.93E-07	1.67E-07	1.27E-03	4.01E-07	1.70E-07	1.27E-03	4.01E-07	1.70E-07
3364	485863.09, 3848377.25	1.20E-03	3.79E-07	1.61E-07	1.23E-03	3.87E-07	1.64E-07	1.22E-03	3.86E-07	1.64E-07
3365	486363.09, 3848377.25	1.12E-03	3.54E-07	1.50E-07	1.14E-03	3.61E-07	1.53E-07	1.14E-03	3.61E-07	1.53E-07
3366	486863.09, 3848377.25	1.03E-03	3.25E-07	1.38E-07	1.05E-03	3.32E-07	1.41E-07	1.05E-03	3.31E-07	1.41E-07
3367	487363.09, 3848377.25	9.22E-04	2.91E-07	1.23E-07	9.41E-04	2.97E-07	1.26E-07	9.40E-04	2.97E-07	1.26E-07
3368	487863.09, 3848377.25	8.80E-04	2.78E-07	1.18E-07	8.98E-04	2.83E-07	1.20E-07	8.97E-04	2.83E-07	1.20E-07
3369	488363.09, 3848377.25	8.34E-04	2.63E-07	1.12E-07	8.51E-04	2.69E-07	1.14E-07	8.50E-04	2.68E-07	1.14E-07
3370	488863.09, 3848377.25	7.99E-04	2.52E-07	1.07E-07	8.15E-04	2.57E-07	1.09E-07	8.14E-04	2.57E-07	1.09E-07
3371	489363.09, 3848377.25	7.76E-04	2.45E-07	1.04E-07	7.91E-04	2.50E-07	1.06E-07	7.90E-04	2.49E-07	1.06E-07
3372	489863.09, 3848377.25	7.77E-04	2.45E-07	1.04E-07	7.93E-04	2.50E-07	1.06E-07	7.92E-04	2.50E-07	1.06E-07
3373	490363.09, 3848377.25	7.33E-04	2.31E-07	9.81E-08	7.48E-04	2.36E-07	1.00E-07	7.47E-04	2.36E-07	1.00E-07
3374	490863.09, 3848377.25	6.67E-04	2.11E-07	8.93E-08	6.81E-04	2.15E-07	9.12E-08	6.80E-04	2.15E-07	9.11E-08
3375	491363.09, 3848377.25	6.15E-04	1.94E-07	8.24E-08	6.28E-04	1.98E-07	8.40E-08	6.27E-04	1.98E-07	8.39E-08
3376	491863.09, 3848377.25	5.76E-04	1.82E-07	7.72E-08	5.88E-04	1.86E-07	7.88E-08	5.87E-04	1.85E-07	7.87E-08
3377	492363.09, 3848377.25	5.14E-04	1.62E-07	6.88E-08	5.24E-04	1.65E-07	7.02E-08	5.23E-04	1.65E-07	7.01E-08
3378	492863.09, 3848377.25	4.51E-04	1.42E-07	6.04E-08	4.60E-04	1.45E-07	6.16E-08	4.59E-04	1.45E-07	6.15E-08
3379	493363.09, 3848377.25	4.19E-04	1.32E-07	5.61E-08	4.28E-04	1.35E-07	5.73E-08	4.27E-04	1.35E-07	5.72E-08
3380	493863.09, 3848377.25	3.91E-04	1.23E-07	5.23E-08	3.99E-04	1.26E-07	5.34E-08	3.98E-04	1.26E-07	5.33E-08
3381	494363.09, 3848377.25	3.65E-04	1.15E-07	4.89E-08	3.73E-04	1.18E-07	4.99E-08	3.72E-04	1.18E-07	4.99E-08
3382	494863.09, 3848377.25	3.60E-04	1.14E-07	4.82E-08	3.67E-04	1.16E-07	4.92E-08	3.67E-04	1.16E-07	4.91E-08
3383	495363.09, 3848377.25	3.19E-04	1.01E-07	4.27E-08	3.25E-04	1.03E-07	4.36E-08	3.25E-04	1.03E-07	4.35E-08
3384	495863.09, 3848377.25	3.06E-04	9.66E-08	4.10E-08	3.12E-04	9.86E-08	4.18E-08	3.12E-04	9.85E-08	4.18E-08
3385	496363.09, 3848377.25	3.24E-04	1.02E-07	4.33E-08	3.30E-04	1.04E-07	4.42E-08	3.30E-04	1.04E-07	4.42E-08
3386	496863.09, 3848377.25	3.06E-04	9.65E-08	4.10E-08	3.12E-04	9.85E-08	4.18E-08	3.12E-04	9.84E-08	4.17E-08
3387	497363.09, 3848377.25	3.39E-04	1.07E-07	4.55E-08	3.46E-04	1.09E-07	4.64E-08	3.46E-04	1.09E-07	4.63E-08
3388	497863.09, 3848377.25	4.53E-04	1.43E-07	6.07E-08	4.63E-04	1.46E-07	6.20E-08	4.62E-04	1.46E-07	6.19E-08
3389	498363.09, 3848377.25	4.50E-04	1.42E-07	6.03E-08	4.59E-04	1.45E-07	6.15E-08	4.59E-04	1.45E-07	6.15E-08
3390	471363.09, 3848877.25	1.09E-03	3.44E-07	1.46E-07	1.11E-03	3.51E-07	1.49E-07	1.11E-03	3.51E-07	1.49E-07
3391	471863.09, 3848877.25	1.33E-03	4.19E-07	1.78E-07	1.35E-03	4.27E-07	1.81E-07	1.35E-03	4.27E-07	1.81E-07
3392	472363.09, 3848877.25	1.65E-03	5.22E-07	2.22E-07	1.69E-03	5.33E-07	2.26E-07	1.69E-03	5.32E-07	2.26E-07
3393	472863.09, 3848877.25	2.14E-03	6.75E-07	2.86E-07	2.18E-03	6.88E-07	2.92E-07	2.18E-03	6.88E-07	2.92E-07
3394	473363.09, 3848877.25	2.92E-03	9.22E-07	3.91E-07	2.98E-03	9.41E-07	3.99E-07	2.98E-03	9.40E-07	3.99E-07
3395	473863.09, 3848877.25	4.27E-03	1.35E-06	5.72E-07	4.36E-03	1.38E-06	5.84E-07	4.36E-03	1.37E-06	5.83E-07
3396	474363.09, 3848877.25	6.79E-03	2.14E-06	9.09E-07	6.93E-03	2.19E-06	9.27E-07	6.92E-03	2.18E-06	9.26E-07
3397	474863.09, 3848877.25	1.92E-02	6.08E-06	2.58E-06	1.96E-02	6.20E-06	2.63E-06	1.96E-02	6.19E-06	2.63E-06
3398	475363.09, 3848877.25	3.79E-02	1.20E-05	5.08E-06	3.87E-02	1.22E-05	5.19E-06	3.87E-02	1.22E-05	5.18E-06
3399	475863.09, 3848877.25	2.10E-02	6.63E-06	2.81E-06	2.14E-02	6.76E-06	2.87E-06	2.14E-02	6.75E-06	2.87E-06
3400	476363.09, 3848877.25	1.46E-02	4.60E-06	1.95E-06	1.49E-02	4.70E-06	1.99E-06	1.49E-02	4.69E-06	1.99E-06
3401	476863.09, 3848877.25	1.11E-02	3.49E-06	1.48E-06	1.13E-02	3.56E-06	1.51E-06	1.13E-02	3.56E-06	1.51E-06
3402	477363.09, 3848877.25	1.10E-02	3.48E-06	1.48E-06	1.13E-02	3.55E-06	1.51E-06	1.12E-02	3.55E-06	1.51E-06
3403	477863.09, 3848877.25	8.94E-03	2.82E-06	1.20E-06	9.12E-03	2.88E-06	1.22E-06	9.11E-03	2.88E-06	1.22E-06
3404	478363.09, 3848877.25	7.58E-03	2.39E-06	1.01E-06	7.73E-03	2.44E-06	1.04E-06	7.72E-03	2.44E-06	1.03E-06
3405	478863.09, 3848877.25	6.14E-03	1.94E-06	8.23E-07	6.27E-03	1.98E-06	8.40E-07	6.26E-03	1.98E-06	8.39E-07
3406	479363.09, 3848877.25	4.77E-03	1.51E-06	6.39E-07	4.87E-03	1.54E-06	6.52E-07	4.86E-03	1.53E-06	6.51E-07

3407	479863.09, 3848877.25	3.67E-03	1.16E-06	4.91E-07	3.74E-03	1.18E-06	5.01E-07	3.74E-03	1.18E-06	5.00E-07
3408	480363.09, 3848877.25	3.43E-03	1.08E-06	4.59E-07	3.50E-03	1.10E-06	4.68E-07	3.49E-03	1.10E-06	4.67E-07
3409	480863.09, 3848877.25	3.21E-03	1.01E-06	4.30E-07	3.28E-03	1.03E-06	4.39E-07	3.27E-03	1.03E-06	4.38E-07
3410	481363.09, 3848877.25	2.85E-03	8.99E-07	3.82E-07	2.91E-03	9.18E-07	3.89E-07	2.90E-03	9.17E-07	3.89E-07
3411	481863.09, 3848877.25	2.42E-03	7.65E-07	3.24E-07	2.47E-03	7.80E-07	3.31E-07	2.47E-03	7.79E-07	3.31E-07
3412	482363.09, 3848877.25	2.01E-03	6.34E-07	2.69E-07	2.05E-03	6.47E-07	2.74E-07	2.05E-03	6.46E-07	2.74E-07
3413	482863.09, 3848877.25	1.69E-03	5.34E-07	2.27E-07	1.73E-03	5.45E-07	2.31E-07	1.73E-03	5.45E-07	2.31E-07
3414	483363.09, 3848877.25	1.47E-03	4.64E-07	1.97E-07	1.50E-03	4.73E-07	2.01E-07	1.50E-03	4.73E-07	2.01E-07
3415	483863.09, 3848877.25	1.39E-03	4.38E-07	1.86E-07	1.42E-03	4.47E-07	1.90E-07	1.42E-03	4.47E-07	1.90E-07
3416	484363.09, 3848877.25	1.53E-03	4.84E-07	2.06E-07	1.57E-03	4.94E-07	2.10E-07	1.56E-03	4.94E-07	2.09E-07
3417	484863.09, 3848877.25	1.65E-03	5.19E-07	2.20E-07	1.68E-03	5.30E-07	2.25E-07	1.68E-03	5.29E-07	2.25E-07
3418	485363.09, 3848877.25	1.55E-03	4.90E-07	2.08E-07	1.59E-03	5.00E-07	2.12E-07	1.58E-03	5.00E-07	2.12E-07
3419	485863.09, 3848877.25	1.47E-03	4.64E-07	1.97E-07	1.50E-03	4.73E-07	2.01E-07	1.50E-03	4.72E-07	2.00E-07
3420	486363.09, 3848877.25	1.33E-03	4.20E-07	1.78E-07	1.36E-03	4.28E-07	1.82E-07	1.36E-03	4.28E-07	1.82E-07
3421	486863.09, 3848877.25	1.19E-03	3.75E-07	1.59E-07	1.21E-03	3.82E-07	1.62E-07	1.21E-03	3.82E-07	1.62E-07
3422	487363.09, 3848877.25	1.14E-03	3.61E-07	1.53E-07	1.17E-03	3.68E-07	1.56E-07	1.16E-03	3.67E-07	1.56E-07
3423	487863.09, 3848877.25	1.06E-03	3.35E-07	1.42E-07	1.08E-03	3.42E-07	1.45E-07	1.08E-03	3.42E-07	1.45E-07
3424	488363.09, 3848877.25	1.01E-03	3.19E-07	1.35E-07	1.03E-03	3.26E-07	1.38E-07	1.03E-03	3.25E-07	1.38E-07
3425	488863.09, 3848877.25	9.50E-04	3.00E-07	1.27E-07	9.69E-04	3.06E-07	1.30E-07	9.68E-04	3.06E-07	1.30E-07
3426	489363.09, 3848877.25	9.22E-04	2.91E-07	1.24E-07	9.41E-04	2.97E-07	1.26E-07	9.40E-04	2.97E-07	1.26E-07
3427	489863.09, 3848877.25	8.97E-04	2.83E-07	1.20E-07	9.15E-04	2.89E-07	1.23E-07	9.14E-04	2.88E-07	1.22E-07
3428	490363.09, 3848877.25	8.17E-04	2.58E-07	1.09E-07	8.34E-04	2.63E-07	1.12E-07	8.33E-04	2.63E-07	1.12E-07
3429	490863.09, 3848877.25	7.40E-04	2.34E-07	9.92E-08	7.56E-04	2.38E-07	1.01E-07	7.55E-04	2.38E-07	1.01E-07
3430	491363.09, 3848877.25	6.90E-04	2.18E-07	9.23E-08	7.04E-04	2.22E-07	9.42E-08	7.03E-04	2.22E-07	9.41E-08
3431	491863.09, 3848877.25	6.06E-04	1.91E-07	8.12E-08	6.18E-04	1.95E-07	8.28E-08	6.18E-04	1.95E-07	8.27E-08
3432	492363.09, 3848877.25	5.27E-04	1.66E-07	7.06E-08	5.38E-04	1.70E-07	7.20E-08	5.37E-04	1.70E-07	7.19E-08
3433	492863.09, 3848877.25	4.47E-04	1.41E-07	5.98E-08	4.56E-04	1.44E-07	6.10E-08	4.55E-04	1.44E-07	6.10E-08
3434	493363.09, 3848877.25	3.77E-04	1.19E-07	5.04E-08	3.84E-04	1.21E-07	5.15E-08	3.84E-04	1.21E-07	5.14E-08
3435	493863.09, 3848877.25	3.72E-04	1.17E-07	4.98E-08	3.79E-04	1.20E-07	5.08E-08	3.79E-04	1.20E-07	5.07E-08
3436	494363.09, 3848877.25	3.54E-04	1.12E-07	4.74E-08	3.61E-04	1.14E-07	4.84E-08	3.61E-04	1.14E-07	4.83E-08
3437	494863.09, 3848877.25	3.57E-04	1.13E-07	4.79E-08	3.65E-04	1.15E-07	4.88E-08	3.64E-04	1.15E-07	4.88E-08
3438	495363.09, 3848877.25	3.52E-04	1.11E-07	4.72E-08	3.60E-04	1.13E-07	4.82E-08	3.59E-04	1.13E-07	4.81E-08
3439	495863.09, 3848877.25	3.06E-04	9.64E-08	4.09E-08	3.12E-04	9.84E-08	4.18E-08	3.11E-04	9.83E-08	4.17E-08
3440	496363.09, 3848877.25	3.02E-04	9.52E-08	4.04E-08	3.08E-04	9.72E-08	4.12E-08	3.08E-04	9.71E-08	4.12E-08
3441	496863.09, 3848877.25	3.35E-04	1.06E-07	4.49E-08	3.42E-04	1.08E-07	4.58E-08	3.42E-04	1.08E-07	4.58E-08
3442	497363.09, 3848877.25	4.25E-04	1.34E-07	5.69E-08	4.34E-04	1.37E-07	5.81E-08	4.33E-04	1.37E-07	5.80E-08
3443	497863.09, 3848877.25	4.55E-04	1.44E-07	6.10E-08	4.65E-04	1.47E-07	6.22E-08	4.64E-04	1.46E-07	6.21E-08
3444	498363.09, 3848877.25	4.72E-04	1.49E-07	6.32E-08	4.81E-04	1.52E-07	6.45E-08	4.81E-04	1.52E-07	6.44E-08
3445	471363.09, 3849377.25	1.06E-03	3.34E-07	1.42E-07	1.08E-03	3.41E-07	1.45E-07	1.08E-03	3.40E-07	1.44E-07
3446	471863.09, 3849377.25	1.28E-03	4.03E-07	1.71E-07	1.30E-03	4.11E-07	1.75E-07	1.30E-03	4.11E-07	1.74E-07
3447	472363.09, 3849377.25	1.54E-03	4.85E-07	2.06E-07	1.57E-03	4.95E-07	2.10E-07	1.57E-03	4.94E-07	2.10E-07
3448	472863.09, 3849377.25	1.91E-03	6.01E-07	2.55E-07	1.94E-03	6.14E-07	2.60E-07	1.94E-03	6.13E-07	2.60E-07
3449	473363.09, 3849377.25	2.44E-03	7.71E-07	3.27E-07	2.49E-03	7.87E-07	3.34E-07	2.49E-03	7.86E-07	3.33E-07
3450	473863.09, 3849377.25	3.20E-03	1.01E-06	4.28E-07	3.26E-03	1.03E-06	4.37E-07	3.26E-03	1.03E-06	4.36E-07
3451	474363.09, 3849377.25	4.30E-03	1.36E-06	5.76E-07	4.39E-03	1.39E-06	5.88E-07	4.39E-03	1.38E-06	5.87E-07
3452	474863.09, 3849377.25	6.16E-03	1.95E-06	8.25E-07	6.29E-03	1.98E-06	8.42E-07	6.28E-03	1.98E-06	8.41E-07
3453	475363.09, 3849377.25	1.02E-02	3.23E-06	1.37E-06	1.04E-02	3.30E-06	1.40E-06	1.04E-02	3.29E-06	1.40E-06
3454	475863.09, 3849377.25	1.77E-02	5.60E-06	2.38E-06	1.81E-02	5.71E-06	2.42E-06	1.81E-02	5.71E-06	2.42E-06
3455	476363.09, 3849377.25	3.29E-02	1.04E-05	4.41E-06	3.36E-02	1.06E-05	4.50E-06	3.36E-02	1.06E-05	4.50E-06
3456	476863.09, 3849377.25	7.30E-02	2.30E-05	9.78E-06	7.45E-02	2.35E-05	9.98E-06	7.44E-02	2.35E-05	9.97E-06
3457	477363.09, 3849377.25	2.63E-02	8.30E-06	3.52E-06	2.68E-02	8.47E-06	3.59E-06	2.68E-02	8.46E-06	3.59E-06
3458	477863.09, 3849377.25	1.69E-02	5.34E-06	2.27E-06	1.73E-02	5.45E-06	2.31E-06	1.72E-02	5.44E-06	2.31E-06
3459	478363.09, 3849377.25	1.28E-02	4.03E-06	1.71E-06	1.30E-02	4.11E-06	1.74E-06	1.30E-02	4.10E-06	1.74E-06
3460	478863.09, 3849377.25	9.49E-03	3.00E-06	1.27E-06	9.68E-03	3.06E-06	1.30E-06	9.67E-03	3.05E-06	1.30E-06
3461	479363.09, 3849377.25	7.58E-03	2.39E-06	1.01E-06	7.73E-03	2.44E-06	1.04E-06	7.72E-03	2.44E-06	1.03E-06
3462	479863.09, 3849377.25	5.60E-03	1.77E-06	7.50E-07	5.72E-03	1.80E-06	7.65E-07	5.71E-03	1.80E-06	7.64E-07
3463	480363.09, 3849377.25	5.42E-03	1.71E-06	7.25E-07	5.53E-03	1.74E-06	7.40E-07	5.52E-03	1.74E-06	7.39E-07
3464	480863.09, 3849377.25	4.60E-03	1.45E-06	6.16E-07	4.69E-03	1.48E-06	6.28E-07	4.69E-03	1.48E-06	6.28E-07
3465	481363.09, 3849377.25	3.66E-03	1.16E-06	4.91E-07	3.74E-03	1.18E-06	5.01E-07	3.73E-03	1.18E-06	5.00E-07
3466	481863.09, 3849377.25	2.71E-03	8.54E-07	3.62E-07	2.76E-03	8.72E-07	3.70E-07	2.76E-03	8.71E-07	3.69E-07
3467	482363.09, 3849377.25	2.29E-03	7.24E-07	3.07E-07	2.34E-03	7.39E-07	3.13E-07	2.34E-03	7.38E-07	3.13E-07
3468	482863.09, 3849377.25	1.86E-03	5.88E-07	2.49E-07	1.90E-03	6.00E-07	2.55E-07	1.90E-03	5.99E-07	2.54E-07

3469	483363.09, 3849377.25	1.64E-03	5.17E-07	2.20E-07	1.67E-03	5.28E-07	2.24E-07	1.67E-03	5.27E-07	2.24E-07
3470	483863.09, 3849377.25	1.36E-03	4.28E-07	1.82E-07	1.38E-03	4.37E-07	1.85E-07	1.38E-03	4.36E-07	1.85E-07
3471	484363.09, 3849377.25	1.81E-03	5.72E-07	2.43E-07	1.85E-03	5.84E-07	2.48E-07	1.85E-03	5.83E-07	2.47E-07
3472	484863.09, 3849377.25	2.00E-03	6.30E-07	2.67E-07	2.04E-03	6.43E-07	2.73E-07	2.04E-03	6.42E-07	2.73E-07
3473	485363.09, 3849377.25	1.89E-03	5.95E-07	2.53E-07	1.92E-03	6.08E-07	2.58E-07	1.92E-03	6.07E-07	2.57E-07
3474	485863.09, 3849377.25	1.52E-03	4.81E-07	2.04E-07	1.55E-03	4.90E-07	2.08E-07	1.55E-03	4.90E-07	2.08E-07
3475	486363.09, 3849377.25	1.24E-03	3.92E-07	1.67E-07	1.27E-03	4.00E-07	1.70E-07	1.27E-03	4.00E-07	1.70E-07
3476	486863.09, 3849377.25	1.38E-03	4.35E-07	1.85E-07	1.41E-03	4.44E-07	1.88E-07	1.40E-03	4.43E-07	1.88E-07
3477	487363.09, 3849377.25	1.35E-03	4.26E-07	1.81E-07	1.38E-03	4.35E-07	1.85E-07	1.38E-03	4.35E-07	1.84E-07
3478	487863.09, 3849377.25	1.26E-03	3.98E-07	1.69E-07	1.29E-03	4.06E-07	1.72E-07	1.29E-03	4.06E-07	1.72E-07
3479	488363.09, 3849377.25	1.19E-03	3.75E-07	1.59E-07	1.21E-03	3.82E-07	1.62E-07	1.21E-03	3.82E-07	1.62E-07
3480	488863.09, 3849377.25	1.13E-03	3.56E-07	1.51E-07	1.15E-03	3.64E-07	1.54E-07	1.15E-03	3.63E-07	1.54E-07
3481	489363.09, 3849377.25	1.07E-03	3.39E-07	1.44E-07	1.10E-03	3.46E-07	1.47E-07	1.09E-03	3.46E-07	1.47E-07
3482	489863.09, 3849377.25	1.00E-03	3.17E-07	1.34E-07	1.02E-03	3.23E-07	1.37E-07	1.02E-03	3.23E-07	1.37E-07
3483	490363.09, 3849377.25	9.02E-04	2.85E-07	1.21E-07	9.21E-04	2.91E-07	1.23E-07	9.20E-04	2.90E-07	1.23E-07
3484	490863.09, 3849377.25	8.23E-04	2.60E-07	1.10E-07	8.40E-04	2.65E-07	1.12E-07	8.39E-04	2.65E-07	1.12E-07
3485	491363.09, 3849377.25	7.56E-04	2.39E-07	1.01E-07	7.71E-04	2.43E-07	1.03E-07	7.70E-04	2.43E-07	1.03E-07
3486	491863.09, 3849377.25	6.59E-04	2.08E-07	8.82E-08	6.72E-04	2.12E-07	9.00E-08	6.71E-04	2.12E-07	8.99E-08
3487	492363.09, 3849377.25	5.72E-04	1.80E-07	7.66E-08	5.83E-04	1.84E-07	7.81E-08	5.83E-04	1.84E-07	7.80E-08
3488	492863.09, 3849377.25	4.61E-04	1.46E-07	6.18E-08	4.71E-04	1.49E-07	6.30E-08	4.70E-04	1.48E-07	6.29E-08
3489	493363.09, 3849377.25	4.14E-04	1.31E-07	5.54E-08	4.22E-04	1.33E-07	5.65E-08	4.22E-04	1.33E-07	5.65E-08
3490	493863.09, 3849377.25	3.85E-04	1.22E-07	5.16E-08	3.93E-04	1.24E-07	5.27E-08	3.93E-04	1.24E-07	5.26E-08
3491	494363.09, 3849377.25	3.84E-04	1.21E-07	5.15E-08	3.92E-04	1.24E-07	5.25E-08	3.92E-04	1.24E-07	5.24E-08
3492	494863.09, 3849377.25	4.33E-04	1.37E-07	5.80E-08	4.42E-04	1.40E-07	5.92E-08	4.42E-04	1.39E-07	5.92E-08
3493	495363.09, 3849377.25	4.37E-04	1.38E-07	5.86E-08	4.46E-04	1.41E-07	5.98E-08	4.46E-04	1.41E-07	5.97E-08
3494	495863.09, 3849377.25	3.15E-04	9.93E-08	4.21E-08	3.21E-04	1.01E-07	4.30E-08	3.21E-04	1.01E-07	4.30E-08
3495	496363.09, 3849377.25	2.91E-04	9.19E-08	3.90E-08	2.97E-04	9.38E-08	3.98E-08	2.97E-04	9.37E-08	3.97E-08
3496	496863.09, 3849377.25	4.02E-04	1.27E-07	5.38E-08	4.10E-04	1.29E-07	5.49E-08	4.09E-04	1.29E-07	5.48E-08
3497	497363.09, 3849377.25	4.25E-04	1.34E-07	5.70E-08	4.34E-04	1.37E-07	5.81E-08	4.34E-04	1.37E-07	5.81E-08
3498	497863.09, 3849377.25	5.35E-04	1.69E-07	7.16E-08	5.46E-04	1.72E-07	7.31E-08	5.45E-04	1.72E-07	7.30E-08
3499	498363.09, 3849377.25	4.97E-04	1.57E-07	6.66E-08	5.07E-04	1.60E-07	6.79E-08	5.07E-04	1.60E-07	6.78E-08
3500	471363.09, 3849877.25	8.30E-04	2.62E-07	1.11E-07	8.47E-04	2.67E-07	1.13E-07	8.46E-04	2.67E-07	1.13E-07
3501	471863.09, 3849877.25	1.12E-03	3.55E-07	1.51E-07	1.15E-03	3.62E-07	1.54E-07	1.15E-03	3.62E-07	1.53E-07
3502	472363.09, 3849877.25	1.40E-03	4.42E-07	1.88E-07	1.43E-03	4.51E-07	1.91E-07	1.43E-03	4.51E-07	1.91E-07
3503	472863.09, 3849877.25	1.69E-03	5.34E-07	2.27E-07	1.73E-03	5.45E-07	2.31E-07	1.72E-03	5.44E-07	2.31E-07
3504	473363.09, 3849877.25	2.06E-03	6.51E-07	2.76E-07	2.11E-03	6.65E-07	2.82E-07	2.10E-03	6.64E-07	2.82E-07
3505	473863.09, 3849877.25	2.54E-03	8.00E-07	3.40E-07	2.59E-03	8.17E-07	3.47E-07	2.58E-03	8.16E-07	3.46E-07
3506	474363.09, 3849877.25	3.12E-03	9.85E-07	4.18E-07	3.19E-03	1.01E-06	4.27E-07	3.18E-03	1.00E-06	4.26E-07
3507	474863.09, 3849877.25	3.87E-03	1.22E-06	5.18E-07	3.94E-03	1.24E-06	5.28E-07	3.94E-03	1.24E-06	5.28E-07
3508	475363.09, 3849877.25	4.86E-03	1.53E-06	6.51E-07	4.96E-03	1.57E-06	6.64E-07	4.95E-03	1.56E-06	6.63E-07
3509	475863.09, 3849877.25	6.17E-03	1.95E-06	8.27E-07	6.30E-03	1.99E-06	8.44E-07	6.29E-03	1.99E-06	8.43E-07
3510	476363.09, 3849877.25	8.07E-03	2.55E-06	1.08E-06	8.23E-03	2.60E-06	1.10E-06	8.22E-03	2.59E-06	1.10E-06
3511	476863.09, 3849877.25	1.14E-02	3.61E-06	1.53E-06	1.17E-02	3.68E-06	1.56E-06	1.17E-02	3.68E-06	1.56E-06
3512	477363.09, 3849877.25	2.15E-02	6.79E-06	2.88E-06	2.20E-02	6.93E-06	2.94E-06	2.19E-02	6.92E-06	2.94E-06
3513	477863.09, 3849877.25	7.94E-02	2.51E-05	1.06E-05	8.10E-02	2.56E-05	1.09E-05	8.09E-02	2.55E-05	1.08E-05
3514	478363.09, 3849877.25	2.87E-02	9.05E-06	3.84E-06	2.93E-02	9.24E-06	3.92E-06	2.92E-02	9.23E-06	3.92E-06
3515	478863.09, 3849877.25	1.85E-02	5.85E-06	2.48E-06	1.89E-02	5.97E-06	2.53E-06	1.89E-02	5.96E-06	2.53E-06
3516	479363.09, 3849877.25	1.29E-02	4.07E-06	1.73E-06	1.31E-02	4.15E-06	1.76E-06	1.31E-02	4.14E-06	1.76E-06
3517	479863.09, 3849877.25	1.03E-02	3.25E-06	1.38E-06	1.05E-02	3.31E-06	1.41E-06	1.05E-02	3.31E-06	1.40E-06
3518	480363.09, 3849877.25	7.53E-03	2.38E-06	1.01E-06	7.69E-03	2.43E-06	1.03E-06	7.68E-03	2.42E-06	1.03E-06
3519	480863.09, 3849877.25	5.82E-03	1.84E-06	7.79E-07	5.94E-03	1.87E-06	7.95E-07	5.93E-03	1.87E-06	7.94E-07
3520	481363.09, 3849877.25	4.79E-03	1.51E-06	6.41E-07	4.88E-03	1.54E-06	6.54E-07	4.88E-03	1.54E-06	6.53E-07
3521	481863.09, 3849877.25	3.25E-03	1.03E-06	4.35E-07	3.32E-03	1.05E-06	4.44E-07	3.31E-03	1.05E-06	4.44E-07
3522	482363.09, 3849877.25	2.61E-03	8.22E-07	3.49E-07	2.66E-03	8.39E-07	3.56E-07	2.66E-03	8.38E-07	3.56E-07
3523	482863.09, 3849877.25	2.17E-03	6.85E-07	2.91E-07	2.22E-03	6.99E-07	2.97E-07	2.21E-03	6.99E-07	2.96E-07
3524	483363.09, 3849877.25	1.81E-03	5.71E-07	2.42E-07	1.84E-03	5.82E-07	2.47E-07	1.84E-03	5.82E-07	2.47E-07
3525	483863.09, 3849877.25	1.71E-03	5.38E-07	2.28E-07	1.74E-03	5.49E-07	2.33E-07	1.74E-03	5.49E-07	2.33E-07
3526	484363.09, 3849877.25	2.11E-03	6.66E-07	2.82E-07	2.15E-03	6.79E-07	2.88E-07	2.15E-03	6.79E-07	2.88E-07
3527	484863.09, 3849877.25	2.44E-03	7.69E-07	3.26E-07	2.49E-03	7.85E-07	3.33E-07	2.48E-03	7.84E-07	3.33E-07
3528	485363.09, 3849877.25	2.19E-03	6.92E-07	2.94E-07	2.24E-03	7.06E-07	3.00E-07	2.24E-03	7.06E-07	2.99E-07
3529	485863.09, 3849877.25	1.86E-03	5.88E-07	2.50E-07	1.90E-03	6.00E-07	2.55E-07	1.90E-03	5.99E-07	2.54E-07
3530	486363.09, 3849877.25	1.67E-03	5.28E-07	2.24E-07	1.71E-03	5.39E-07	2.29E-07	1.70E-03	5.38E-07	2.28E-07

3531	486863.09, 3849877.25	1.70E-03	5.36E-07	2.27E-07	1.73E-03	5.47E-07	2.32E-07	1.73E-03	5.46E-07	2.32E-07
3532	487363.09, 3849877.25	1.60E-03	5.05E-07	2.14E-07	1.63E-03	5.15E-07	2.18E-07	1.63E-03	5.14E-07	2.18E-07
3533	487863.09, 3849877.25	1.48E-03	4.67E-07	1.98E-07	1.51E-03	4.77E-07	2.02E-07	1.51E-03	4.76E-07	2.02E-07
3534	488363.09, 3849877.25	1.39E-03	4.37E-07	1.86E-07	1.41E-03	4.46E-07	1.89E-07	1.41E-03	4.46E-07	1.89E-07
3535	488863.09, 3849877.25	1.31E-03	4.12E-07	1.75E-07	1.33E-03	4.21E-07	1.78E-07	1.33E-03	4.20E-07	1.78E-07
3536	489363.09, 3849877.25	1.22E-03	3.84E-07	1.63E-07	1.24E-03	3.92E-07	1.66E-07	1.24E-03	3.91E-07	1.66E-07
3537	489863.09, 3849877.25	1.11E-03	3.51E-07	1.49E-07	1.13E-03	3.58E-07	1.52E-07	1.13E-03	3.57E-07	1.52E-07
3538	490363.09, 3849877.25	9.98E-04	3.15E-07	1.34E-07	1.02E-03	3.21E-07	1.36E-07	1.02E-03	3.21E-07	1.36E-07
3539	490863.09, 3849877.25	9.15E-04	2.89E-07	1.23E-07	9.34E-04	2.95E-07	1.25E-07	9.33E-04	2.94E-07	1.25E-07
3540	491363.09, 3849877.25	8.34E-04	2.63E-07	1.12E-07	8.51E-04	2.69E-07	1.14E-07	8.50E-04	2.68E-07	1.14E-07
3541	491863.09, 3849877.25	7.28E-04	2.30E-07	9.75E-08	7.43E-04	2.34E-07	9.95E-08	7.42E-04	2.34E-07	9.93E-08
3542	492363.09, 3849877.25	6.39E-04	2.02E-07	8.56E-08	6.52E-04	2.06E-07	8.73E-08	6.51E-04	2.06E-07	8.72E-08
3543	492863.09, 3849877.25	5.38E-04	1.70E-07	7.21E-08	5.49E-04	1.73E-07	7.36E-08	5.49E-04	1.73E-07	7.35E-08
3544	493363.09, 3849877.25	4.54E-04	1.43E-07	6.08E-08	4.64E-04	1.46E-07	6.21E-08	4.63E-04	1.46E-07	6.20E-08
3545	493863.09, 3849877.25	4.03E-04	1.27E-07	5.40E-08	4.11E-04	1.30E-07	5.51E-08	4.11E-04	1.30E-07	5.50E-08
3546	494363.09, 3849877.25	4.82E-04	1.52E-07	6.45E-08	4.92E-04	1.55E-07	6.58E-08	4.91E-04	1.55E-07	6.58E-08
3547	494863.09, 3849877.25	5.25E-04	1.66E-07	7.03E-08	5.36E-04	1.69E-07	7.18E-08	5.35E-04	1.69E-07	7.17E-08
3548	495363.09, 3849877.25	4.27E-04	1.35E-07	5.72E-08	4.36E-04	1.38E-07	5.83E-08	4.35E-04	1.37E-07	5.83E-08
3549	495863.09, 3849877.25	4.78E-04	1.51E-07	6.40E-08	4.88E-04	1.54E-07	6.53E-08	4.87E-04	1.54E-07	6.52E-08
3550	496363.09, 3849877.25	4.81E-04	1.52E-07	6.45E-08	4.91E-04	1.55E-07	6.58E-08	4.91E-04	1.55E-07	6.57E-08
3551	496863.09, 3849877.25	4.77E-04	1.51E-07	6.39E-08	4.87E-04	1.54E-07	6.52E-08	4.87E-04	1.54E-07	6.52E-08
3552	497363.09, 3849877.25	5.47E-04	1.73E-07	7.33E-08	5.59E-04	1.76E-07	7.48E-08	5.58E-04	1.76E-07	7.47E-08
3553	497863.09, 3849877.25	5.56E-04	1.75E-07	7.44E-08	5.67E-04	1.79E-07	7.59E-08	5.66E-04	1.79E-07	7.58E-08
3554	498363.09, 3849877.25	5.17E-04	1.63E-07	6.92E-08	5.27E-04	1.66E-07	7.06E-08	5.26E-04	1.66E-07	7.05E-08
3555	471363.09, 3850377.25	4.38E-04	1.38E-07	5.86E-08	4.47E-04	1.41E-07	5.98E-08	4.46E-04	1.41E-07	5.97E-08
3556	471863.09, 3850377.25	8.31E-04	2.62E-07	1.11E-07	8.48E-04	2.68E-07	1.14E-07	8.47E-04	2.67E-07	1.13E-07
3557	472363.09, 3850377.25	1.11E-03	3.50E-07	1.48E-07	1.13E-03	3.57E-07	1.51E-07	1.13E-03	3.56E-07	1.51E-07
3558	472863.09, 3850377.25	1.49E-03	4.69E-07	1.99E-07	1.52E-03	4.79E-07	2.03E-07	1.52E-03	4.78E-07	2.03E-07
3559	473363.09, 3850377.25	1.76E-03	5.55E-07	2.35E-07	1.79E-03	5.66E-07	2.40E-07	1.79E-03	5.65E-07	2.40E-07
3560	473863.09, 3850377.25	2.07E-03	6.53E-07	2.77E-07	2.11E-03	6.67E-07	2.83E-07	2.11E-03	6.66E-07	2.83E-07
3561	474363.09, 3850377.25	2.40E-03	7.59E-07	3.22E-07	2.45E-03	7.74E-07	3.28E-07	2.45E-03	7.73E-07	3.28E-07
3562	474863.09, 3850377.25	2.81E-03	8.88E-07	3.77E-07	2.87E-03	9.06E-07	3.84E-07	2.87E-03	9.05E-07	3.84E-07
3563	475363.09, 3850377.25	3.28E-03	1.04E-06	4.40E-07	3.35E-03	1.06E-06	4.49E-07	3.35E-03	1.06E-06	4.48E-07
3564	475863.09, 3850377.25	3.90E-03	1.23E-06	5.22E-07	3.98E-03	1.26E-06	5.33E-07	3.98E-03	1.26E-06	5.33E-07
3565	476363.09, 3850377.25	4.76E-03	1.50E-06	6.37E-07	4.86E-03	1.53E-06	6.50E-07	4.85E-03	1.53E-06	6.49E-07
3566	476863.09, 3850377.25	5.90E-03	1.86E-06	7.90E-07	6.02E-03	1.90E-06	8.06E-07	6.01E-03	1.90E-06	8.05E-07
3567	477363.09, 3850377.25	7.51E-03	2.37E-06	1.01E-06	7.67E-03	2.42E-06	1.03E-06	7.66E-03	2.42E-06	1.03E-06
3568	477863.09, 3850377.25	1.08E-02	3.42E-06	1.45E-06	1.11E-02	3.49E-06	1.48E-06	1.10E-02	3.48E-06	1.48E-06
3569	478363.09, 3850377.25	2.14E-02	6.74E-06	2.86E-06	2.18E-02	6.88E-06	2.92E-06	2.18E-02	6.87E-06	2.91E-06
3570	478863.09, 3850377.25	8.73E-02	2.76E-05	1.17E-05	8.91E-02	2.81E-05	1.19E-05	8.90E-02	2.81E-05	1.19E-05
3571	479363.09, 3850377.25	3.02E-02	9.52E-06	4.04E-06	3.08E-02	9.71E-06	4.12E-06	3.07E-02	9.70E-06	4.12E-06
3572	479863.09, 3850377.25	1.80E-02	5.69E-06	2.41E-06	1.84E-02	5.81E-06	2.46E-06	1.84E-02	5.80E-06	2.46E-06
3573	480363.09, 3850377.25	1.26E-02	3.96E-06	1.68E-06	1.28E-02	4.04E-06	1.72E-06	1.28E-02	4.04E-06	1.71E-06
3574	480863.09, 3850377.25	1.00E-02	3.16E-06	1.34E-06	1.02E-02	3.23E-06	1.37E-06	1.02E-02	3.22E-06	1.37E-06
3575	481363.09, 3850377.25	6.30E-03	1.99E-06	8.44E-07	6.43E-03	2.03E-06	8.62E-07	6.43E-03	2.03E-06	8.60E-07
3576	481863.09, 3850377.25	5.32E-03	1.68E-06	7.12E-07	5.43E-03	1.71E-06	7.27E-07	5.42E-03	1.71E-06	7.26E-07
3577	482363.09, 3850377.25	4.49E-03	1.42E-06	6.02E-07	4.58E-03	1.45E-06	6.14E-07	4.58E-03	1.45E-06	6.13E-07
3578	482863.09, 3850377.25	3.22E-03	1.02E-06	4.32E-07	3.29E-03	1.04E-06	4.41E-07	3.29E-03	1.04E-06	4.40E-07
3579	483363.09, 3850377.25	2.55E-03	8.04E-07	3.41E-07	2.60E-03	8.20E-07	3.48E-07	2.60E-03	8.19E-07	3.48E-07
3580	483863.09, 3850377.25	2.56E-03	8.07E-07	3.42E-07	2.61E-03	8.23E-07	3.49E-07	2.61E-03	8.22E-07	3.49E-07
3581	484363.09, 3850377.25	2.74E-03	8.63E-07	3.66E-07	2.79E-03	8.81E-07	3.74E-07	2.79E-03	8.80E-07	3.73E-07
3582	484863.09, 3850377.25	2.86E-03	9.03E-07	3.83E-07	2.92E-03	9.21E-07	3.91E-07	2.92E-03	9.20E-07	3.90E-07
3583	485363.09, 3850377.25	2.65E-03	8.36E-07	3.55E-07	2.70E-03	8.53E-07	3.62E-07	2.70E-03	8.52E-07	3.62E-07
3584	485863.09, 3850377.25	2.33E-03	7.36E-07	3.12E-07	2.38E-03	7.51E-07	3.18E-07	2.38E-03	7.50E-07	3.18E-07
3585	486363.09, 3850377.25	2.17E-03	6.84E-07	2.90E-07	2.21E-03	6.98E-07	2.96E-07	2.21E-03	6.97E-07	2.96E-07
3586	486863.09, 3850377.25	2.02E-03	6.38E-07	2.71E-07	2.06E-03	6.51E-07	2.76E-07	2.06E-03	6.50E-07	2.76E-07
3587	487363.09, 3850377.25	1.83E-03	5.78E-07	2.45E-07	1.87E-03	5.90E-07	2.50E-07	1.87E-03	5.89E-07	2.50E-07
3588	487863.09, 3850377.25	1.71E-03	5.39E-07	2.29E-07	1.74E-03	5.50E-07	2.33E-07	1.74E-03	5.49E-07	2.33E-07
3589	488363.09, 3850377.25	1.58E-03	4.98E-07	2.11E-07	1.61E-03	5.08E-07	2.16E-07	1.61E-03	5.08E-07	2.15E-07
3590	488863.09, 3850377.25	1.47E-03	4.63E-07	1.96E-07	1.50E-03	4.72E-07	2.00E-07	1.49E-03	4.71E-07	2.00E-07
3591	489363.09, 3850377.25	1.35E-03	4.27E-07	1.81E-07	1.38E-03	4.35E-07	1.85E-07	1.38E-03	4.35E-07	1.84E-07
3592	489863.09, 3850377.25	1.22E-03	3.84E-07	1.63E-07	1.24E-03	3.92E-07	1.66E-07	1.24E-03	3.92E-07	1.66E-07

3593	490363.09, 3850377.25	1.10E-03	3.48E-07	1.48E-07	1.13E-03	3.55E-07	1.51E-07	1.12E-03	3.55E-07	1.50E-07
3594	490863.09, 3850377.25	1.01E-03	3.18E-07	1.35E-07	1.03E-03	3.24E-07	1.37E-07	1.03E-03	3.24E-07	1.37E-07
3595	491363.09, 3850377.25	9.12E-04	2.88E-07	1.22E-07	9.30E-04	2.94E-07	1.25E-07	9.29E-04	2.93E-07	1.24E-07
3596	491863.09, 3850377.25	7.92E-04	2.50E-07	1.06E-07	8.08E-04	2.55E-07	1.08E-07	8.07E-04	2.55E-07	1.08E-07
3597	492363.09, 3850377.25	6.75E-04	2.13E-07	9.04E-08	6.89E-04	2.18E-07	9.23E-08	6.88E-04	2.17E-07	9.22E-08
3598	492863.09, 3850377.25	5.98E-04	1.89E-07	8.01E-08	6.10E-04	1.93E-07	8.17E-08	6.09E-04	1.92E-07	8.16E-08
3599	493363.09, 3850377.25	5.11E-04	1.61E-07	6.85E-08	5.22E-04	1.65E-07	6.99E-08	5.21E-04	1.64E-07	6.98E-08
3600	493863.09, 3850377.25	5.29E-04	1.67E-07	7.08E-08	5.39E-04	1.70E-07	7.22E-08	5.39E-04	1.70E-07	7.21E-08
3601	494363.09, 3850377.25	5.33E-04	1.68E-07	7.14E-08	5.44E-04	1.72E-07	7.29E-08	5.44E-04	1.72E-07	7.28E-08
3602	494863.09, 3850377.25	5.66E-04	1.79E-07	7.58E-08	5.78E-04	1.82E-07	7.74E-08	5.77E-04	1.82E-07	7.73E-08
3603	495363.09, 3850377.25	6.08E-04	1.92E-07	8.14E-08	6.20E-04	1.96E-07	8.30E-08	6.19E-04	1.95E-07	8.29E-08
3604	495863.09, 3850377.25	5.46E-04	1.72E-07	7.31E-08	5.57E-04	1.76E-07	7.46E-08	5.56E-04	1.76E-07	7.45E-08
3605	496363.09, 3850377.25	5.83E-04	1.84E-07	7.80E-08	5.94E-04	1.88E-07	7.96E-08	5.94E-04	1.87E-07	7.95E-08
3606	496863.09, 3850377.25	6.08E-04	1.92E-07	8.15E-08	6.21E-04	1.96E-07	8.31E-08	6.20E-04	1.96E-07	8.30E-08
3607	497363.09, 3850377.25	6.02E-04	1.90E-07	8.06E-08	6.14E-04	1.94E-07	8.23E-08	6.14E-04	1.94E-07	8.22E-08
3608	497863.09, 3850377.25	5.72E-04	1.81E-07	7.66E-08	5.84E-04	1.84E-07	7.82E-08	5.83E-04	1.84E-07	7.81E-08
3609	498363.09, 3850377.25	5.43E-04	1.71E-07	7.27E-08	5.54E-04	1.75E-07	7.42E-08	5.53E-04	1.75E-07	7.41E-08
3610	471363.09, 3850877.25	5.37E-04	1.69E-07	7.19E-08	5.48E-04	1.73E-07	7.33E-08	5.47E-04	1.73E-07	7.32E-08
3611	471863.09, 3850877.25	7.13E-04	2.25E-07	9.55E-08	7.28E-04	2.30E-07	9.75E-08	7.27E-04	2.29E-07	9.74E-08
3612	472363.09, 3850877.25	9.85E-04	3.11E-07	1.32E-07	1.00E-03	3.17E-07	1.35E-07	1.00E-03	3.17E-07	1.34E-07
3613	472863.09, 3850877.25	1.25E-03	3.95E-07	1.67E-07	1.28E-03	4.03E-07	1.71E-07	1.27E-03	4.02E-07	1.71E-07
3614	473363.09, 3850877.25	1.34E-03	4.24E-07	1.80E-07	1.37E-03	4.32E-07	1.83E-07	1.37E-03	4.32E-07	1.83E-07
3615	473863.09, 3850877.25	1.67E-03	5.27E-07	2.24E-07	1.71E-03	5.38E-07	2.28E-07	1.70E-03	5.38E-07	2.28E-07
3616	474363.09, 3850877.25	1.96E-03	6.18E-07	2.62E-07	2.00E-03	6.30E-07	2.67E-07	1.99E-03	6.29E-07	2.67E-07
3617	474863.09, 3850877.25	2.22E-03	7.01E-07	2.98E-07	2.27E-03	7.16E-07	3.04E-07	2.26E-03	7.15E-07	3.03E-07
3618	475363.09, 3850877.25	2.52E-03	7.96E-07	3.38E-07	2.57E-03	8.12E-07	3.45E-07	2.57E-03	8.11E-07	3.44E-07
3619	475863.09, 3850877.25	2.87E-03	9.07E-07	3.85E-07	2.93E-03	9.25E-07	3.93E-07	2.93E-03	9.24E-07	3.92E-07
3620	476363.09, 3850877.25	3.33E-03	1.05E-06	4.46E-07	3.40E-03	1.07E-06	4.55E-07	3.40E-03	1.07E-06	4.55E-07
3621	476863.09, 3850877.25	3.93E-03	1.24E-06	5.26E-07	4.01E-03	1.26E-06	5.37E-07	4.00E-03	1.26E-06	5.36E-07
3622	477363.09, 3850877.25	4.68E-03	1.48E-06	6.27E-07	4.78E-03	1.51E-06	6.40E-07	4.77E-03	1.51E-06	6.39E-07
3623	477863.09, 3850877.25	5.67E-03	1.79E-06	7.60E-07	5.79E-03	1.83E-06	7.75E-07	5.78E-03	1.83E-06	7.75E-07
3624	478363.09, 3850877.25	7.36E-03	2.32E-06	9.86E-07	7.51E-03	2.37E-06	1.01E-06	7.50E-03	2.37E-06	1.00E-06
3625	478863.09, 3850877.25	1.04E-02	3.27E-06	1.39E-06	1.06E-02	3.34E-06	1.42E-06	1.06E-02	3.34E-06	1.42E-06
3626	479363.09, 3850877.25	1.88E-02	5.95E-06	2.52E-06	1.92E-02	6.07E-06	2.58E-06	1.92E-02	6.06E-06	2.57E-06
3627	479863.09, 3850877.25	1.09E-01	3.43E-05	1.46E-05	1.11E-01	3.50E-05	1.49E-05	1.11E-01	3.50E-05	1.48E-05
3628	480363.09, 3850877.25	3.14E-02	9.90E-06	4.20E-06	3.20E-02	1.01E-05	4.29E-06	3.20E-02	1.01E-05	4.28E-06
3629	480863.09, 3850877.25	1.85E-02	5.84E-06	2.48E-06	1.89E-02	5.96E-06	2.53E-06	1.89E-02	5.95E-06	2.52E-06
3630	481363.09, 3850877.25	1.27E-02	4.02E-06	1.70E-06	1.30E-02	4.10E-06	1.74E-06	1.30E-02	4.09E-06	1.74E-06
3631	481863.09, 3850877.25	8.97E-03	2.83E-06	1.20E-06	9.15E-03	2.89E-06	1.23E-06	9.14E-03	2.88E-06	1.22E-06
3632	482363.09, 3850877.25	6.25E-03	1.97E-06	8.37E-07	6.38E-03	2.01E-06	8.54E-07	6.37E-03	2.01E-06	8.53E-07
3633	482863.09, 3850877.25	4.87E-03	1.54E-06	6.52E-07	4.97E-03	1.57E-06	6.65E-07	4.96E-03	1.57E-06	6.65E-07
3634	483363.09, 3850877.25	3.75E-03	1.18E-06	5.03E-07	3.83E-03	1.21E-06	5.13E-07	3.82E-03	1.21E-06	5.12E-07
3635	483863.09, 3850877.25	3.39E-03	1.07E-06	4.54E-07	3.46E-03	1.09E-06	4.64E-07	3.46E-03	1.09E-06	4.63E-07
3636	484363.09, 3850877.25	3.47E-03	1.10E-06	4.65E-07	3.54E-03	1.12E-06	4.74E-07	3.54E-03	1.12E-06	4.74E-07
3637	484863.09, 3850877.25	3.22E-03	1.02E-06	4.32E-07	3.29E-03	1.04E-06	4.40E-07	3.29E-03	1.04E-06	4.40E-07
3638	485363.09, 3850877.25	3.05E-03	9.62E-07	4.08E-07	3.11E-03	9.82E-07	4.17E-07	3.11E-03	9.81E-07	4.16E-07
3639	485863.09, 3850877.25	2.62E-03	8.27E-07	3.51E-07	2.67E-03	8.44E-07	3.58E-07	2.67E-03	8.43E-07	3.58E-07
3640	486363.09, 3850877.25	2.50E-03	7.90E-07	3.35E-07	2.55E-03	8.06E-07	3.42E-07	2.55E-03	8.05E-07	3.41E-07
3641	486863.09, 3850877.25	2.30E-03	7.25E-07	3.08E-07	2.34E-03	7.40E-07	3.14E-07	2.34E-03	7.39E-07	3.14E-07
3642	487363.09, 3850877.25	2.06E-03	6.50E-07	2.76E-07	2.10E-03	6.63E-07	2.81E-07	2.10E-03	6.62E-07	2.81E-07
3643	487863.09, 3850877.25	1.89E-03	5.98E-07	2.54E-07	1.93E-03	6.10E-07	2.59E-07	1.93E-03	6.09E-07	2.58E-07
3644	488363.09, 3850877.25	1.75E-03	5.52E-07	2.34E-07	1.78E-03	5.63E-07	2.39E-07	1.78E-03	5.62E-07	2.39E-07
3645	488863.09, 3850877.25	1.60E-03	5.05E-07	2.14E-07	1.63E-03	5.15E-07	2.19E-07	1.63E-03	5.15E-07	2.18E-07
3646	489363.09, 3850877.25	1.47E-03	4.64E-07	1.97E-07	1.50E-03	4.73E-07	2.01E-07	1.50E-03	4.73E-07	2.01E-07
3647	489863.09, 3850877.25	1.33E-03	4.21E-07	1.78E-07	1.36E-03	4.29E-07	1.82E-07	1.36E-03	4.29E-07	1.82E-07
3648	490363.09, 3850877.25	1.22E-03	3.85E-07	1.64E-07	1.25E-03	3.93E-07	1.67E-07	1.24E-03	3.93E-07	1.67E-07
3649	490863.09, 3850877.25	1.11E-03	3.51E-07	1.49E-07	1.13E-03	3.58E-07	1.52E-07	1.13E-03	3.58E-07	1.52E-07
3650	491363.09, 3850877.25	9.88E-04	3.12E-07	1.32E-07	1.01E-03	3.18E-07	1.35E-07	1.01E-03	3.18E-07	1.35E-07
3651	491863.09, 3850877.25	8.68E-04	2.74E-07	1.16E-07	8.86E-04	2.80E-07	1.19E-07	8.85E-04	2.79E-07	1.19E-07
3652	492363.09, 3850877.25	7.64E-04	2.41E-07	1.02E-07	7.80E-04	2.46E-07	1.04E-07	7.79E-04	2.46E-07	1.04E-07
3653	492863.09, 3850877.25	6.85E-04	2.16E-07	9.18E-08	6.99E-04	2.21E-07	9.37E-08	6.99E-04	2.20E-07	9.35E-08
3654	493363.09, 3850877.25	6.36E-04	2.01E-07	8.52E-08	6.49E-04	2.05E-07	8.69E-08	6.48E-04	2.05E-07	8.68E-08

3655	493863.09, 3850877.25	6.52E-04	2.06E-07	8.73E-08	6.65E-04	2.10E-07	8.91E-08	6.64E-04	2.10E-07	8.90E-08
3656	494363.09, 3850877.25	6.33E-04	2.00E-07	8.48E-08	6.46E-04	2.04E-07	8.65E-08	6.45E-04	2.04E-07	8.64E-08
3657	494863.09, 3850877.25	6.54E-04	2.06E-07	8.76E-08	6.67E-04	2.11E-07	8.93E-08	6.66E-04	2.10E-07	8.92E-08
3658	495363.09, 3850877.25	6.75E-04	2.13E-07	9.04E-08	6.89E-04	2.18E-07	9.23E-08	6.88E-04	2.17E-07	9.22E-08
3659	495863.09, 3850877.25	6.48E-04	2.04E-07	8.67E-08	6.61E-04	2.09E-07	8.85E-08	6.60E-04	2.08E-07	8.84E-08
3660	496363.09, 3850877.25	6.42E-04	2.03E-07	8.59E-08	6.55E-04	2.07E-07	8.77E-08	6.54E-04	2.06E-07	8.76E-08
3661	496863.09, 3850877.25	6.54E-04	2.06E-07	8.75E-08	6.67E-04	2.10E-07	8.93E-08	6.66E-04	2.10E-07	8.92E-08
3662	497363.09, 3850877.25	6.26E-04	1.97E-07	8.38E-08	6.38E-04	2.01E-07	8.55E-08	6.38E-04	2.01E-07	8.54E-08
3663	497863.09, 3850877.25	5.89E-04	1.86E-07	7.89E-08	6.01E-04	1.90E-07	8.05E-08	6.00E-04	1.89E-07	8.04E-08
3664	498363.09, 3850877.25	5.54E-04	1.75E-07	7.41E-08	5.65E-04	1.78E-07	7.57E-08	5.64E-04	1.78E-07	7.56E-08
3665	471363.09, 3851377.25	5.25E-04	1.66E-07	7.03E-08	5.36E-04	1.69E-07	7.18E-08	5.35E-04	1.69E-07	7.17E-08
3666	471863.09, 3851377.25	7.67E-04	2.42E-07	1.03E-07	7.82E-04	2.47E-07	1.05E-07	7.81E-04	2.47E-07	1.05E-07
3667	472363.09, 3851377.25	8.50E-04	2.68E-07	1.14E-07	8.67E-04	2.74E-07	1.16E-07	8.66E-04	2.73E-07	1.16E-07
3668	472863.09, 3851377.25	9.47E-04	2.99E-07	1.27E-07	9.66E-04	3.05E-07	1.29E-07	9.65E-04	3.05E-07	1.29E-07
3669	473363.09, 3851377.25	8.96E-04	2.83E-07	1.20E-07	9.14E-04	2.89E-07	1.22E-07	9.13E-04	2.88E-07	1.22E-07
3670	473863.09, 3851377.25	1.07E-03	3.37E-07	1.43E-07	1.09E-03	3.44E-07	1.46E-07	1.09E-03	3.43E-07	1.46E-07
3671	474363.09, 3851377.25	1.47E-03	4.65E-07	1.97E-07	1.50E-03	4.75E-07	2.01E-07	1.50E-03	4.74E-07	2.01E-07
3672	474863.09, 3851377.25	1.79E-03	5.66E-07	2.40E-07	1.83E-03	5.78E-07	2.45E-07	1.83E-03	5.77E-07	2.45E-07
3673	475363.09, 3851377.25	2.04E-03	6.44E-07	2.73E-07	2.08E-03	6.57E-07	2.79E-07	2.08E-03	6.56E-07	2.79E-07
3674	475863.09, 3851377.25	2.29E-03	7.22E-07	3.06E-07	2.33E-03	7.36E-07	3.12E-07	2.33E-03	7.35E-07	3.12E-07
3675	476363.09, 3851377.25	2.59E-03	8.16E-07	3.46E-07	2.64E-03	8.33E-07	3.53E-07	2.64E-03	8.32E-07	3.53E-07
3676	476863.09, 3851377.25	2.96E-03	9.33E-07	3.96E-07	3.02E-03	9.52E-07	4.04E-07	3.01E-03	9.51E-07	4.04E-07
3677	477363.09, 3851377.25	3.38E-03	1.07E-06	4.53E-07	3.45E-03	1.09E-06	4.62E-07	3.45E-03	1.09E-06	4.62E-07
3678	477863.09, 3851377.25	3.94E-03	1.24E-06	5.27E-07	4.02E-03	1.27E-06	5.38E-07	4.01E-03	1.27E-06	5.38E-07
3679	478363.09, 3851377.25	4.67E-03	1.48E-06	6.26E-07	4.77E-03	1.51E-06	6.39E-07	4.76E-03	1.50E-06	6.38E-07
3680	478863.09, 3851377.25	5.68E-03	1.79E-06	7.61E-07	5.80E-03	1.83E-06	7.76E-07	5.79E-03	1.83E-06	7.75E-07
3681	479363.09, 3851377.25	7.31E-03	2.31E-06	9.79E-07	7.46E-03	2.35E-06	9.99E-07	7.45E-03	2.35E-06	9.97E-07
3682	479863.09, 3851377.25	1.02E-02	3.22E-06	1.37E-06	1.04E-02	3.29E-06	1.40E-06	1.04E-02	3.28E-06	1.39E-06
3683	480363.09, 3851377.25	1.83E-02	5.78E-06	2.45E-06	1.87E-02	5.90E-06	2.50E-06	1.87E-02	5.89E-06	2.50E-06
3684	480863.09, 3851377.25	9.06E-02	2.86E-05	1.21E-05	9.24E-02	2.92E-05	1.24E-05	9.23E-02	2.91E-05	1.24E-05
3685	481363.09, 3851377.25	2.95E-02	9.29E-06	3.94E-06	3.01E-02	9.48E-06	4.02E-06	3.00E-02	9.47E-06	4.02E-06
3686	481863.09, 3851377.25	1.51E-02	4.76E-06	2.02E-06	1.54E-02	4.86E-06	2.06E-06	1.54E-02	4.85E-06	2.06E-06
3687	482363.09, 3851377.25	9.97E-03	3.15E-06	1.34E-06	1.02E-02	3.21E-06	1.36E-06	1.02E-02	3.21E-06	1.36E-06
3688	482863.09, 3851377.25	6.66E-03	2.10E-06	8.92E-07	6.80E-03	2.15E-06	9.10E-07	6.79E-03	2.14E-06	9.09E-07
3689	483363.09, 3851377.25	4.81E-03	1.52E-06	6.45E-07	4.91E-03	1.55E-06	6.58E-07	4.91E-03	1.55E-06	6.57E-07
3690	483863.09, 3851377.25	4.02E-03	1.27E-06	5.38E-07	4.10E-03	1.29E-06	5.49E-07	4.09E-03	1.29E-06	5.48E-07
3691	484363.09, 3851377.25	4.21E-03	1.33E-06	5.64E-07	4.30E-03	1.36E-06	5.75E-07	4.29E-03	1.35E-06	5.75E-07
3692	484863.09, 3851377.25	3.26E-03	1.03E-06	4.37E-07	3.33E-03	1.05E-06	4.46E-07	3.33E-03	1.05E-06	4.45E-07
3693	485363.09, 3851377.25	3.46E-03	1.09E-06	4.63E-07	3.53E-03	1.11E-06	4.73E-07	3.53E-03	1.11E-06	4.72E-07
3694	485863.09, 3851377.25	2.92E-03	9.21E-07	3.91E-07	2.98E-03	9.40E-07	3.99E-07	2.97E-03	9.39E-07	3.98E-07
3695	486363.09, 3851377.25	2.80E-03	8.85E-07	3.76E-07	2.86E-03	9.03E-07	3.83E-07	2.86E-03	9.02E-07	3.83E-07
3696	486863.09, 3851377.25	2.51E-03	7.93E-07	3.37E-07	2.56E-03	8.09E-07	3.43E-07	2.56E-03	8.09E-07	3.43E-07
3697	487363.09, 3851377.25	2.12E-03	6.69E-07	2.84E-07	2.16E-03	6.83E-07	2.90E-07	2.16E-03	6.82E-07	2.89E-07
3698	487863.09, 3851377.25	2.04E-03	6.43E-07	2.73E-07	2.08E-03	6.56E-07	2.79E-07	2.08E-03	6.56E-07	2.78E-07
3699	488363.09, 3851377.25	1.89E-03	5.95E-07	2.53E-07	1.92E-03	6.08E-07	2.58E-07	1.92E-03	6.07E-07	2.57E-07
3700	488863.09, 3851377.25	1.72E-03	5.42E-07	2.30E-07	1.75E-03	5.53E-07	2.35E-07	1.75E-03	5.53E-07	2.34E-07
3701	489363.09, 3851377.25	1.57E-03	4.94E-07	2.10E-07	1.60E-03	5.04E-07	2.14E-07	1.60E-03	5.04E-07	2.14E-07
3702	489863.09, 3851377.25	1.42E-03	4.48E-07	1.90E-07	1.45E-03	4.57E-07	1.94E-07	1.45E-03	4.57E-07	1.94E-07
3703	490363.09, 3851377.25	1.29E-03	4.08E-07	1.73E-07	1.32E-03	4.17E-07	1.77E-07	1.32E-03	4.16E-07	1.77E-07
3704	490863.09, 3851377.25	1.17E-03	3.70E-07	1.57E-07	1.19E-03	3.77E-07	1.60E-07	1.19E-03	3.77E-07	1.60E-07
3705	491363.09, 3851377.25	1.04E-03	3.28E-07	1.39E-07	1.06E-03	3.34E-07	1.42E-07	1.06E-03	3.34E-07	1.42E-07
3706	491863.09, 3851377.25	9.28E-04	2.93E-07	1.24E-07	9.47E-04	2.99E-07	1.27E-07	9.45E-04	2.98E-07	1.27E-07
3707	492363.09, 3851377.25	8.44E-04	2.66E-07	1.13E-07	8.61E-04	2.72E-07	1.15E-07	8.60E-04	2.71E-07	1.15E-07
3708	492863.09, 3851377.25	7.56E-04	2.39E-07	1.01E-07	7.72E-04	2.44E-07	1.03E-07	7.71E-04	2.43E-07	1.03E-07
3709	493363.09, 3851377.25	6.19E-04	1.95E-07	8.29E-08	6.32E-04	1.99E-07	8.46E-08	6.31E-04	1.99E-07	8.45E-08
3710	493863.09, 3851377.25	6.34E-04	2.00E-07	8.48E-08	6.46E-04	2.04E-07	8.66E-08	6.46E-04	2.04E-07	8.65E-08
3711	494363.09, 3851377.25	7.06E-04	2.23E-07	9.46E-08	7.21E-04	2.27E-07	9.65E-08	7.20E-04	2.27E-07	9.64E-08
3712	494863.09, 3851377.25	6.86E-04	2.17E-07	9.19E-08	7.00E-04	2.21E-07	9.38E-08	6.99E-04	2.21E-07	9.37E-08
3713	495363.09, 3851377.25	7.38E-04	2.33E-07	9.88E-08	7.53E-04	2.38E-07	1.01E-07	7.52E-04	2.37E-07	1.01E-07
3714	495863.09, 3851377.25	7.28E-04	2.30E-07	9.74E-08	7.42E-04	2.34E-07	9.94E-08	7.42E-04	2.34E-07	9.93E-08
3715	496363.09, 3851377.25	7.04E-04	2.22E-07	9.43E-08	7.18E-04	2.27E-07	9.62E-08	7.17E-04	2.26E-07	9.61E-08
3716	496863.09, 3851377.25	6.73E-04	2.12E-07	9.01E-08	6.87E-04	2.17E-07	9.20E-08	6.86E-04	2.16E-07	9.19E-08

3717	497363.09, 3851377.25	6.42E-04	2.03E-07	8.59E-08	6.55E-04	2.07E-07	8.77E-08	6.54E-04	2.06E-07	8.76E-08
3718	497863.09, 3851377.25	6.05E-04	1.91E-07	8.10E-08	6.18E-04	1.95E-07	8.27E-08	6.17E-04	1.95E-07	8.26E-08
3719	498363.09, 3851377.25	5.53E-04	1.75E-07	7.41E-08	5.65E-04	1.78E-07	7.56E-08	5.64E-04	1.78E-07	7.55E-08
3720	471363.09, 3851877.25	5.32E-04	1.68E-07	7.13E-08	5.43E-04	1.71E-07	7.27E-08	5.42E-04	1.71E-07	7.26E-08
3721	471863.09, 3851877.25	5.35E-04	1.69E-07	7.17E-08	5.46E-04	1.72E-07	7.32E-08	5.46E-04	1.72E-07	7.31E-08
3722	472363.09, 3851877.25	6.75E-04	2.13E-07	9.04E-08	6.89E-04	2.17E-07	9.22E-08	6.88E-04	2.17E-07	9.21E-08
3723	472863.09, 3851877.25	8.16E-04	2.58E-07	1.09E-07	8.33E-04	2.63E-07	1.12E-07	8.32E-04	2.63E-07	1.11E-07
3724	473363.09, 3851877.25	7.85E-04	2.48E-07	1.05E-07	8.01E-04	2.53E-07	1.07E-07	8.00E-04	2.53E-07	1.07E-07
3725	473863.09, 3851877.25	8.52E-04	2.69E-07	1.14E-07	8.70E-04	2.74E-07	1.16E-07	8.69E-04	2.74E-07	1.16E-07
3726	474363.09, 3851877.25	1.12E-03	3.52E-07	1.49E-07	1.14E-03	3.59E-07	1.53E-07	1.14E-03	3.59E-07	1.52E-07
3727	474863.09, 3851877.25	1.40E-03	4.41E-07	1.87E-07	1.43E-03	4.50E-07	1.91E-07	1.43E-03	4.50E-07	1.91E-07
3728	475363.09, 3851877.25	1.62E-03	5.11E-07	2.17E-07	1.65E-03	5.21E-07	2.21E-07	1.65E-03	5.21E-07	2.21E-07
3729	475863.09, 3851877.25	1.81E-03	5.73E-07	2.43E-07	1.85E-03	5.84E-07	2.48E-07	1.85E-03	5.84E-07	2.48E-07
3730	476363.09, 3851877.25	1.91E-03	6.03E-07	2.56E-07	1.95E-03	6.16E-07	2.61E-07	1.95E-03	6.15E-07	2.61E-07
3731	476863.09, 3851877.25	2.22E-03	7.00E-07	2.97E-07	2.26E-03	7.14E-07	3.03E-07	2.26E-03	7.13E-07	3.03E-07
3732	477363.09, 3851877.25	2.55E-03	8.06E-07	3.42E-07	2.61E-03	8.22E-07	3.49E-07	2.60E-03	8.22E-07	3.49E-07
3733	477863.09, 3851877.25	2.91E-03	9.19E-07	3.90E-07	2.97E-03	9.38E-07	3.98E-07	2.97E-03	9.36E-07	3.97E-07
3734	478363.09, 3851877.25	3.27E-03	1.03E-06	4.37E-07	3.33E-03	1.05E-06	4.46E-07	3.33E-03	1.05E-06	4.46E-07
3735	478863.09, 3851877.25	3.90E-03	1.23E-06	5.23E-07	3.98E-03	1.26E-06	5.33E-07	3.98E-03	1.26E-06	5.33E-07
3736	479363.09, 3851877.25	4.69E-03	1.48E-06	6.28E-07	4.79E-03	1.51E-06	6.41E-07	4.78E-03	1.51E-06	6.40E-07
3737	479863.09, 3851877.25	5.67E-03	1.79E-06	7.60E-07	5.79E-03	1.83E-06	7.75E-07	5.78E-03	1.83E-06	7.74E-07
3738	480363.09, 3851877.25	7.39E-03	2.33E-06	9.89E-07	7.54E-03	2.38E-06	1.01E-06	7.53E-03	2.38E-06	1.01E-06
3739	480863.09, 3851877.25	1.08E-02	3.39E-06	1.44E-06	1.10E-02	3.46E-06	1.47E-06	1.10E-02	3.46E-06	1.47E-06
3740	481363.09, 3851877.25	2.61E-02	8.24E-06	3.49E-06	2.66E-02	8.40E-06	3.57E-06	2.66E-02	8.39E-06	3.56E-06
3741	481863.09, 3851877.25	2.88E-02	9.10E-06	3.86E-06	2.94E-02	9.29E-06	3.94E-06	2.94E-02	9.27E-06	3.93E-06
3742	482363.09, 3851877.25	1.13E-02	3.58E-06	1.52E-06	1.16E-02	3.65E-06	1.55E-06	1.16E-02	3.65E-06	1.55E-06
3743	482863.09, 3851877.25	6.89E-03	2.17E-06	9.22E-07	7.03E-03	2.22E-06	9.41E-07	7.02E-03	2.21E-06	9.40E-07
3744	483363.09, 3851877.25	6.06E-03	1.91E-06	8.11E-07	6.18E-03	1.95E-06	8.28E-07	6.17E-03	1.95E-06	8.27E-07
3745	483863.09, 3851877.25	5.05E-03	1.59E-06	6.77E-07	5.16E-03	1.63E-06	6.91E-07	5.15E-03	1.63E-06	6.90E-07
3746	484363.09, 3851877.25	4.79E-03	1.51E-06	6.41E-07	4.88E-03	1.54E-06	6.54E-07	4.88E-03	1.54E-06	6.53E-07
3747	484863.09, 3851877.25	4.08E-03	1.29E-06	5.47E-07	4.17E-03	1.31E-06	5.58E-07	4.16E-03	1.31E-06	5.57E-07
3748	485363.09, 3851877.25	3.74E-03	1.18E-06	5.01E-07	3.82E-03	1.20E-06	5.11E-07	3.81E-03	1.20E-06	5.10E-07
3749	485863.09, 3851877.25	3.40E-03	1.07E-06	4.56E-07	3.47E-03	1.10E-06	4.65E-07	3.47E-03	1.10E-06	4.65E-07
3750	486363.09, 3851877.25	2.91E-03	9.20E-07	3.90E-07	2.97E-03	9.39E-07	3.98E-07	2.97E-03	9.37E-07	3.98E-07
3751	486863.09, 3851877.25	2.63E-03	8.29E-07	3.52E-07	2.68E-03	8.46E-07	3.59E-07	2.68E-03	8.45E-07	3.59E-07
3752	487363.09, 3851877.25	2.36E-03	7.46E-07	3.17E-07	2.41E-03	7.61E-07	3.23E-07	2.41E-03	7.61E-07	3.23E-07
3753	487863.09, 3851877.25	1.99E-03	6.30E-07	2.67E-07	2.04E-03	6.42E-07	2.73E-07	2.03E-03	6.42E-07	2.72E-07
3754	488363.09, 3851877.25	1.82E-03	5.75E-07	2.44E-07	1.86E-03	5.87E-07	2.49E-07	1.86E-03	5.86E-07	2.49E-07
3755	488863.09, 3851877.25	1.60E-03	5.05E-07	2.14E-07	1.63E-03	5.15E-07	2.19E-07	1.63E-03	5.15E-07	2.18E-07
3756	489363.09, 3851877.25	1.42E-03	4.47E-07	1.90E-07	1.45E-03	4.57E-07	1.94E-07	1.44E-03	4.56E-07	1.93E-07
3757	489863.09, 3851877.25	1.28E-03	4.05E-07	1.72E-07	1.31E-03	4.13E-07	1.75E-07	1.31E-03	4.12E-07	1.75E-07
3758	490363.09, 3851877.25	1.19E-03	3.76E-07	1.59E-07	1.21E-03	3.83E-07	1.63E-07	1.21E-03	3.83E-07	1.62E-07
3759	490863.09, 3851877.25	1.12E-03	3.53E-07	1.50E-07	1.14E-03	3.60E-07	1.53E-07	1.14E-03	3.59E-07	1.53E-07
3760	491363.09, 3851877.25	1.06E-03	3.34E-07	1.42E-07	1.08E-03	3.41E-07	1.45E-07	1.08E-03	3.41E-07	1.45E-07
3761	491863.09, 3851877.25	9.95E-04	3.14E-07	1.33E-07	1.02E-03	3.20E-07	1.36E-07	1.01E-03	3.20E-07	1.36E-07
3762	492363.09, 3851877.25	8.96E-04	2.83E-07	1.20E-07	9.14E-04	2.89E-07	1.22E-07	9.13E-04	2.88E-07	1.22E-07
3763	492863.09, 3851877.25	7.15E-04	2.26E-07	9.57E-08	7.29E-04	2.30E-07	9.77E-08	7.29E-04	2.30E-07	9.76E-08
3764	493363.09, 3851877.25	7.94E-04	2.51E-07	1.06E-07	8.11E-04	2.56E-07	1.09E-07	8.10E-04	2.56E-07	1.08E-07
3765	493863.09, 3851877.25	8.62E-04	2.72E-07	1.15E-07	8.79E-04	2.77E-07	1.18E-07	8.78E-04	2.77E-07	1.18E-07
3766	494363.09, 3851877.25	7.88E-04	2.49E-07	1.06E-07	8.04E-04	2.54E-07	1.08E-07	8.03E-04	2.53E-07	1.08E-07
3767	494863.09, 3851877.25	8.06E-04	2.54E-07	1.08E-07	8.23E-04	2.60E-07	1.10E-07	8.22E-04	2.59E-07	1.10E-07
3768	495363.09, 3851877.25	7.96E-04	2.51E-07	1.07E-07	8.12E-04	2.56E-07	1.09E-07	8.11E-04	2.56E-07	1.09E-07
3769	495863.09, 3851877.25	7.76E-04	2.45E-07	1.04E-07	7.91E-04	2.50E-07	1.06E-07	7.90E-04	2.49E-07	1.06E-07
3770	496363.09, 3851877.25	7.33E-04	2.31E-07	9.81E-08	7.48E-04	2.36E-07	1.00E-07	7.47E-04	2.36E-07	1.00E-07
3771	496863.09, 3851877.25	6.90E-04	2.18E-07	9.23E-08	7.04E-04	2.22E-07	9.42E-08	7.03E-04	2.22E-07	9.41E-08
3772	497363.09, 3851877.25	6.46E-04	2.04E-07	8.66E-08	6.60E-04	2.08E-07	8.83E-08	6.59E-04	2.08E-07	8.82E-08
3773	497863.09, 3851877.25	5.87E-04	1.85E-07	7.86E-08	5.99E-04	1.89E-07	8.02E-08	5.98E-04	1.89E-07	8.01E-08
3774	498363.09, 3851877.25	5.34E-04	1.69E-07	7.15E-08	5.45E-04	1.72E-07	7.30E-08	5.44E-04	1.72E-07	7.29E-08
3775	471363.09, 3852377.25	4.11E-04	1.30E-07	5.50E-08	4.19E-04	1.32E-07	5.62E-08	4.19E-04	1.32E-07	5.61E-08
3776	471863.09, 3852377.25	5.12E-04	1.62E-07	6.85E-08	5.22E-04	1.65E-07	6.99E-08	5.22E-04	1.65E-07	6.99E-08
3777	472363.09, 3852377.25	5.91E-04	1.86E-07	7.91E-08	6.03E-04	1.90E-07	8.07E-08	6.02E-04	1.90E-07	8.06E-08
3778	472863.09, 3852377.25	6.72E-04	2.12E-07	9.00E-08	6.86E-04	2.16E-07	9.18E-08	6.85E-04	2.16E-07	9.17E-08

3779	473363.09, 3852377.25	7.33E-04	2.31E-07	9.81E-08	7.48E-04	2.36E-07	1.00E-07	7.47E-04	2.36E-07	1.00E-07
3780	473863.09, 3852377.25	7.75E-04	2.44E-07	1.04E-07	7.90E-04	2.49E-07	1.06E-07	7.90E-04	2.49E-07	1.06E-07
3781	474363.09, 3852377.25	8.24E-04	2.60E-07	1.10E-07	8.41E-04	2.66E-07	1.13E-07	8.40E-04	2.65E-07	1.13E-07
3782	474863.09, 3852377.25	1.16E-03	3.66E-07	1.55E-07	1.18E-03	3.73E-07	1.58E-07	1.18E-03	3.73E-07	1.58E-07
3783	475363.09, 3852377.25	1.25E-03	3.94E-07	1.67E-07	1.27E-03	4.02E-07	1.71E-07	1.27E-03	4.02E-07	1.70E-07
3784	475863.09, 3852377.25	1.33E-03	4.19E-07	1.78E-07	1.36E-03	4.28E-07	1.82E-07	1.35E-03	4.27E-07	1.81E-07
3785	476363.09, 3852377.25	1.36E-03	4.29E-07	1.82E-07	1.39E-03	4.38E-07	1.86E-07	1.39E-03	4.37E-07	1.86E-07
3786	476863.09, 3852377.25	1.52E-03	4.81E-07	2.04E-07	1.55E-03	4.90E-07	2.08E-07	1.55E-03	4.90E-07	2.08E-07
3787	477363.09, 3852377.25	1.62E-03	5.13E-07	2.17E-07	1.66E-03	5.23E-07	2.22E-07	1.66E-03	5.22E-07	2.22E-07
3788	477863.09, 3852377.25	1.38E-03	4.35E-07	1.84E-07	1.41E-03	4.44E-07	1.88E-07	1.40E-03	4.43E-07	1.88E-07
3789	478363.09, 3852377.25	1.24E-03	3.93E-07	1.67E-07	1.27E-03	4.01E-07	1.70E-07	1.27E-03	4.00E-07	1.70E-07
3790	478863.09, 3852377.25	1.87E-03	5.89E-07	2.50E-07	1.90E-03	6.01E-07	2.55E-07	1.90E-03	6.00E-07	2.55E-07
3791	479363.09, 3852377.25	2.40E-03	7.59E-07	3.22E-07	2.45E-03	7.74E-07	3.28E-07	2.45E-03	7.73E-07	3.28E-07
3792	479863.09, 3852377.25	3.67E-03	1.16E-06	4.92E-07	3.75E-03	1.18E-06	5.02E-07	3.74E-03	1.18E-06	5.01E-07
3793	480363.09, 3852377.25	4.76E-03	1.50E-06	6.38E-07	4.86E-03	1.53E-06	6.51E-07	4.85E-03	1.53E-06	6.50E-07
3794	480863.09, 3852377.25	6.15E-03	1.94E-06	8.24E-07	6.28E-03	1.98E-06	8.40E-07	6.27E-03	1.98E-06	8.39E-07
3795	481363.09, 3852377.25	9.26E-03	2.92E-06	1.24E-06	9.45E-03	2.98E-06	1.27E-06	9.44E-03	2.98E-06	1.26E-06
3796	481863.09, 3852377.25	2.62E-02	8.26E-06	3.51E-06	2.67E-02	8.43E-06	3.58E-06	2.67E-02	8.42E-06	3.57E-06
3797	482363.09, 3852377.25	2.60E-02	8.19E-06	3.48E-06	2.65E-02	8.36E-06	3.55E-06	2.65E-02	8.35E-06	3.54E-06
3798	482863.09, 3852377.25	1.23E-02	3.87E-06	1.64E-06	1.25E-02	3.95E-06	1.68E-06	1.25E-02	3.95E-06	1.67E-06
3799	483363.09, 3852377.25	7.20E-03	2.27E-06	9.64E-07	7.35E-03	2.32E-06	9.84E-07	7.34E-03	2.32E-06	9.83E-07
3800	483863.09, 3852377.25	5.44E-03	1.72E-06	7.29E-07	5.56E-03	1.75E-06	7.44E-07	5.55E-03	1.75E-06	7.43E-07
3801	484363.09, 3852377.25	5.16E-03	1.63E-06	6.90E-07	5.26E-03	1.66E-06	7.05E-07	5.26E-03	1.66E-06	7.04E-07
3802	484863.09, 3852377.25	4.68E-03	1.48E-06	6.27E-07	4.78E-03	1.51E-06	6.40E-07	4.77E-03	1.51E-06	6.39E-07
3803	485363.09, 3852377.25	4.21E-03	1.33E-06	5.64E-07	4.30E-03	1.36E-06	5.75E-07	4.29E-03	1.35E-06	5.75E-07
3804	485863.09, 3852377.25	3.55E-03	1.12E-06	4.75E-07	3.62E-03	1.14E-06	4.85E-07	3.61E-03	1.14E-06	4.84E-07
3805	486363.09, 3852377.25	2.90E-03	9.17E-07	3.89E-07	2.96E-03	9.35E-07	3.97E-07	2.96E-03	9.34E-07	3.96E-07
3806	486863.09, 3852377.25	2.54E-03	8.01E-07	3.40E-07	2.59E-03	8.17E-07	3.47E-07	2.59E-03	8.17E-07	3.46E-07
3807	487363.09, 3852377.25	2.18E-03	6.88E-07	2.92E-07	2.23E-03	7.03E-07	2.98E-07	2.22E-03	7.02E-07	2.98E-07
3808	487863.09, 3852377.25	1.88E-03	5.94E-07	2.52E-07	1.92E-03	6.06E-07	2.57E-07	1.92E-03	6.05E-07	2.57E-07
3809	488363.09, 3852377.25	1.63E-03	5.13E-07	2.18E-07	1.66E-03	5.23E-07	2.22E-07	1.66E-03	5.23E-07	2.22E-07
3810	488863.09, 3852377.25	1.39E-03	4.39E-07	1.86E-07	1.42E-03	4.48E-07	1.90E-07	1.42E-03	4.48E-07	1.90E-07
3811	489363.09, 3852377.25	1.22E-03	3.86E-07	1.64E-07	1.25E-03	3.94E-07	1.67E-07	1.25E-03	3.93E-07	1.67E-07
3812	489863.09, 3852377.25	1.04E-03	3.28E-07	1.39E-07	1.06E-03	3.35E-07	1.42E-07	1.06E-03	3.34E-07	1.42E-07
3813	490363.09, 3852377.25	1.05E-03	3.30E-07	1.40E-07	1.07E-03	3.37E-07	1.43E-07	1.07E-03	3.37E-07	1.43E-07
3814	490863.09, 3852377.25	1.03E-03	3.25E-07	1.38E-07	1.05E-03	3.32E-07	1.41E-07	1.05E-03	3.32E-07	1.41E-07
3815	491363.09, 3852377.25	1.10E-03	3.46E-07	1.47E-07	1.12E-03	3.53E-07	1.50E-07	1.12E-03	3.53E-07	1.50E-07
3816	491863.09, 3852377.25	1.04E-03	3.29E-07	1.39E-07	1.06E-03	3.35E-07	1.42E-07	1.06E-03	3.35E-07	1.42E-07
3817	492363.09, 3852377.25	9.83E-04	3.10E-07	1.32E-07	1.00E-03	3.17E-07	1.34E-07	1.00E-03	3.16E-07	1.34E-07
3818	492863.09, 3852377.25	9.67E-04	3.05E-07	1.29E-07	9.87E-04	3.11E-07	1.32E-07	9.85E-04	3.11E-07	1.32E-07
3819	493363.09, 3852377.25	9.81E-04	3.10E-07	1.31E-07	1.00E-03	3.16E-07	1.34E-07	1.00E-03	3.16E-07	1.34E-07
3820	493863.09, 3852377.25	9.20E-04	2.90E-07	1.23E-07	9.39E-04	2.96E-07	1.26E-07	9.38E-04	2.96E-07	1.26E-07
3821	494363.09, 3852377.25	8.65E-04	2.73E-07	1.16E-07	8.82E-04	2.79E-07	1.18E-07	8.81E-04	2.78E-07	1.18E-07
3822	494863.09, 3852377.25	8.55E-04	2.70E-07	1.14E-07	8.72E-04	2.75E-07	1.17E-07	8.71E-04	2.75E-07	1.17E-07
3823	495363.09, 3852377.25	8.44E-04	2.66E-07	1.13E-07	8.61E-04	2.72E-07	1.15E-07	8.60E-04	2.72E-07	1.15E-07
3824	495863.09, 3852377.25	7.88E-04	2.49E-07	1.06E-07	8.04E-04	2.54E-07	1.08E-07	8.03E-04	2.53E-07	1.08E-07
3825	496363.09, 3852377.25	7.33E-04	2.31E-07	9.82E-08	7.48E-04	2.36E-07	1.00E-07	7.47E-04	2.36E-07	1.00E-07
3826	496863.09, 3852377.25	6.91E-04	2.18E-07	9.26E-08	7.05E-04	2.23E-07	9.45E-08	7.05E-04	2.22E-07	9.43E-08
3827	497363.09, 3852377.25	6.20E-04	1.96E-07	8.30E-08	6.33E-04	2.00E-07	8.47E-08	6.32E-04	1.99E-07	8.46E-08
3828	497863.09, 3852377.25	5.50E-04	1.73E-07	7.36E-08	5.61E-04	1.77E-07	7.51E-08	5.60E-04	1.77E-07	7.50E-08
3829	498363.09, 3852377.25	4.86E-04	1.53E-07	6.51E-08	4.96E-04	1.57E-07	6.64E-08	4.96E-04	1.56E-07	6.64E-08
3830	471363.09, 3852877.25	4.14E-04	1.31E-07	5.55E-08	4.23E-04	1.33E-07	5.66E-08	4.22E-04	1.33E-07	5.65E-08
3831	471863.09, 3852877.25	4.81E-04	1.52E-07	6.44E-08	4.91E-04	1.55E-07	6.58E-08	4.90E-04	1.55E-07	6.57E-08
3832	472363.09, 3852877.25	5.49E-04	1.73E-07	7.35E-08	5.60E-04	1.77E-07	7.50E-08	5.60E-04	1.77E-07	7.49E-08
3833	472863.09, 3852877.25	6.16E-04	1.94E-07	8.25E-08	6.28E-04	1.98E-07	8.42E-08	6.28E-04	1.98E-07	8.41E-08
3834	473363.09, 3852877.25	6.86E-04	2.17E-07	9.19E-08	7.00E-04	2.21E-07	9.37E-08	6.99E-04	2.21E-07	9.36E-08
3835	473863.09, 3852877.25	7.76E-04	2.45E-07	1.04E-07	7.92E-04	2.50E-07	1.06E-07	7.91E-04	2.50E-07	1.06E-07
3836	474363.09, 3852877.25	8.70E-04	2.75E-07	1.16E-07	8.88E-04	2.80E-07	1.19E-07	8.87E-04	2.80E-07	1.19E-07
3837	474863.09, 3852877.25	8.17E-04	2.58E-07	1.09E-07	8.34E-04	2.63E-07	1.12E-07	8.33E-04	2.63E-07	1.12E-07
3838	475363.09, 3852877.25	9.48E-04	2.99E-07	1.27E-07	9.68E-04	3.05E-07	1.30E-07	9.66E-04	3.05E-07	1.29E-07
3839	475863.09, 3852877.25	1.01E-03	3.20E-07	1.36E-07	1.03E-03	3.26E-07	1.38E-07	1.03E-03	3.26E-07	1.38E-07
3840	476363.09, 3852877.25	9.52E-04	3.00E-07	1.27E-07	9.71E-04	3.07E-07	1.30E-07	9.70E-04	3.06E-07	1.30E-07

3841	476863.09, 3852877.25	7.98E-04	2.52E-07	1.07E-07	8.15E-04	2.57E-07	1.09E-07	8.14E-04	2.57E-07	1.09E-07
3842	477363.09, 3852877.25	7.03E-04	2.22E-07	9.41E-08	7.17E-04	2.26E-07	9.60E-08	7.16E-04	2.26E-07	9.59E-08
3843	477863.09, 3852877.25	5.94E-04	1.87E-07	7.95E-08	6.06E-04	1.91E-07	8.11E-08	6.05E-04	1.91E-07	8.10E-08
3844	478363.09, 3852877.25	4.22E-04	1.33E-07	5.65E-08	4.31E-04	1.36E-07	5.77E-08	4.30E-04	1.36E-07	5.76E-08
3845	478863.09, 3852877.25	5.77E-04	1.82E-07	7.73E-08	5.89E-04	1.86E-07	7.88E-08	5.88E-04	1.86E-07	7.87E-08
3846	479363.09, 3852877.25	9.63E-04	3.04E-07	1.29E-07	9.83E-04	3.10E-07	1.32E-07	9.81E-04	3.10E-07	1.31E-07
3847	479863.09, 3852877.25	2.02E-03	6.37E-07	2.70E-07	2.06E-03	6.50E-07	2.76E-07	2.06E-03	6.50E-07	2.76E-07
3848	480363.09, 3852877.25	3.35E-03	1.06E-06	4.48E-07	3.41E-03	1.08E-06	4.57E-07	3.41E-03	1.08E-06	4.57E-07
3849	480863.09, 3852877.25	4.18E-03	1.32E-06	5.60E-07	4.27E-03	1.35E-06	5.71E-07	4.26E-03	1.34E-06	5.70E-07
3850	481363.09, 3852877.25	5.53E-03	1.75E-06	7.40E-07	5.64E-03	1.78E-06	7.56E-07	5.64E-03	1.78E-06	7.55E-07
3851	481863.09, 3852877.25	8.70E-03	2.75E-06	1.17E-06	8.88E-03	2.80E-06	1.19E-06	8.87E-03	2.80E-06	1.19E-06
3852	482363.09, 3852877.25	2.89E-02	9.12E-06	3.87E-06	2.95E-02	9.30E-06	3.95E-06	2.94E-02	9.29E-06	3.94E-06
3853	482863.09, 3852877.25	2.41E-02	7.60E-06	3.22E-06	2.46E-02	7.75E-06	3.29E-06	2.45E-02	7.74E-06	3.29E-06
3854	483363.09, 3852877.25	1.09E-02	3.44E-06	1.46E-06	1.11E-02	3.51E-06	1.49E-06	1.11E-02	3.51E-06	1.49E-06
3855	483863.09, 3852877.25	6.26E-03	1.98E-06	8.38E-07	6.39E-03	2.02E-06	8.55E-07	6.38E-03	2.01E-06	8.54E-07
3856	484363.09, 3852877.25	5.64E-03	1.78E-06	7.56E-07	5.76E-03	1.82E-06	7.71E-07	5.75E-03	1.82E-06	7.70E-07
3857	484863.09, 3852877.25	4.87E-03	1.54E-06	6.52E-07	4.97E-03	1.57E-06	6.66E-07	4.96E-03	1.57E-06	6.65E-07
3858	485363.09, 3852877.25	3.51E-03	1.11E-06	4.69E-07	3.58E-03	1.13E-06	4.79E-07	3.57E-03	1.13E-06	4.79E-07
3859	485863.09, 3852877.25	2.90E-03	9.16E-07	3.89E-07	2.96E-03	9.35E-07	3.97E-07	2.96E-03	9.34E-07	3.96E-07
3860	486363.09, 3852877.25	2.41E-03	7.60E-07	3.22E-07	2.46E-03	7.75E-07	3.29E-07	2.45E-03	7.75E-07	3.29E-07
3861	486863.09, 3852877.25	2.12E-03	6.70E-07	2.84E-07	2.17E-03	6.84E-07	2.90E-07	2.16E-03	6.83E-07	2.90E-07
3862	487363.09, 3852877.25	1.82E-03	5.74E-07	2.43E-07	1.86E-03	5.86E-07	2.48E-07	1.85E-03	5.85E-07	2.48E-07
3863	487863.09, 3852877.25	1.59E-03	5.03E-07	2.13E-07	1.63E-03	5.13E-07	2.18E-07	1.62E-03	5.12E-07	2.17E-07
3864	488363.09, 3852877.25	1.12E-03	3.55E-07	1.50E-07	1.15E-03	3.62E-07	1.53E-07	1.14E-03	3.61E-07	1.53E-07
3865	488863.09, 3852877.25	1.12E-03	3.52E-07	1.49E-07	1.14E-03	3.59E-07	1.53E-07	1.14E-03	3.59E-07	1.52E-07
3866	489363.09, 3852877.25	1.05E-03	3.33E-07	1.41E-07	1.08E-03	3.40E-07	1.44E-07	1.07E-03	3.39E-07	1.44E-07
3867	489863.09, 3852877.25	9.95E-04	3.14E-07	1.33E-07	1.02E-03	3.21E-07	1.36E-07	1.01E-03	3.20E-07	1.36E-07
3868	490363.09, 3852877.25	1.14E-03	3.60E-07	1.53E-07	1.16E-03	3.68E-07	1.56E-07	1.16E-03	3.67E-07	1.56E-07
3869	490863.09, 3852877.25	1.14E-03	3.60E-07	1.53E-07	1.16E-03	3.67E-07	1.56E-07	1.16E-03	3.67E-07	1.56E-07
3870	491363.09, 3852877.25	1.13E-03	3.56E-07	1.51E-07	1.15E-03	3.63E-07	1.54E-07	1.15E-03	3.63E-07	1.54E-07
3871	491863.09, 3852877.25	1.08E-03	3.40E-07	1.44E-07	1.10E-03	3.47E-07	1.47E-07	1.10E-03	3.47E-07	1.47E-07
3872	492363.09, 3852877.25	1.04E-03	3.28E-07	1.39E-07	1.06E-03	3.35E-07	1.42E-07	1.06E-03	3.35E-07	1.42E-07
3873	492863.09, 3852877.25	1.04E-03	3.27E-07	1.39E-07	1.06E-03	3.34E-07	1.42E-07	1.06E-03	3.33E-07	1.41E-07
3874	493363.09, 3852877.25	1.01E-03	3.19E-07	1.36E-07	1.03E-03	3.26E-07	1.38E-07	1.03E-03	3.26E-07	1.38E-07
3875	493863.09, 3852877.25	9.56E-04	3.02E-07	1.28E-07	9.76E-04	3.08E-07	1.31E-07	9.75E-04	3.08E-07	1.31E-07
3876	494363.09, 3852877.25	9.11E-04	2.87E-07	1.22E-07	9.29E-04	2.93E-07	1.24E-07	9.28E-04	2.93E-07	1.24E-07
3877	494863.09, 3852877.25	8.79E-04	2.78E-07	1.18E-07	8.97E-04	2.83E-07	1.20E-07	8.96E-04	2.83E-07	1.20E-07
3878	495363.09, 3852877.25	8.17E-04	2.58E-07	1.09E-07	8.33E-04	2.63E-07	1.12E-07	8.33E-04	2.63E-07	1.11E-07
3879	495863.09, 3852877.25	7.59E-04	2.39E-07	1.02E-07	7.74E-04	2.44E-07	1.04E-07	7.73E-04	2.44E-07	1.04E-07
3880	496363.09, 3852877.25	7.25E-04	2.29E-07	9.71E-08	7.40E-04	2.34E-07	9.91E-08	7.39E-04	2.33E-07	9.90E-08
3881	496863.09, 3852877.25	6.81E-04	2.15E-07	9.12E-08	6.95E-04	2.19E-07	9.31E-08	6.94E-04	2.19E-07	9.29E-08
3882	497363.09, 3852877.25	5.89E-04	1.86E-07	7.89E-08	6.01E-04	1.90E-07	8.05E-08	6.00E-04	1.89E-07	8.04E-08
3883	497863.09, 3852877.25	4.47E-04	1.41E-07	5.98E-08	4.56E-04	1.44E-07	6.10E-08	4.55E-04	1.44E-07	6.10E-08
3884	498363.09, 3852877.25	4.13E-04	1.30E-07	5.53E-08	4.21E-04	1.33E-07	5.64E-08	4.21E-04	1.33E-07	5.63E-08
3885	471363.09, 3853377.25	4.13E-04	1.30E-07	5.54E-08	4.22E-04	1.33E-07	5.65E-08	4.21E-04	1.33E-07	5.64E-08
3886	471863.09, 3853377.25	4.64E-04	1.46E-07	6.21E-08	4.73E-04	1.49E-07	6.34E-08	4.73E-04	1.49E-07	6.33E-08
3887	472363.09, 3853377.25	5.14E-04	1.62E-07	6.88E-08	5.24E-04	1.65E-07	7.02E-08	5.23E-04	1.65E-07	7.01E-08
3888	472863.09, 3853377.25	5.70E-04	1.80E-07	7.63E-08	5.81E-04	1.83E-07	7.78E-08	5.81E-04	1.83E-07	7.77E-08
3889	473363.09, 3853377.25	6.09E-04	1.92E-07	8.16E-08	6.22E-04	1.96E-07	8.32E-08	6.21E-04	1.96E-07	8.31E-08
3890	473863.09, 3853377.25	6.56E-04	2.07E-07	8.78E-08	6.69E-04	2.11E-07	8.96E-08	6.68E-04	2.11E-07	8.95E-08
3891	474363.09, 3853377.25	6.94E-04	2.19E-07	9.29E-08	7.08E-04	2.23E-07	9.48E-08	7.07E-04	2.23E-07	9.47E-08
3892	474863.09, 3853377.25	6.76E-04	2.13E-07	9.06E-08	6.90E-04	2.18E-07	9.24E-08	6.89E-04	2.18E-07	9.23E-08
3893	475363.09, 3853377.25	6.80E-04	2.15E-07	9.11E-08	6.94E-04	2.19E-07	9.29E-08	6.93E-04	2.19E-07	9.28E-08
3894	475863.09, 3853377.25	6.81E-04	2.15E-07	9.11E-08	6.95E-04	2.19E-07	9.30E-08	6.94E-04	2.19E-07	9.29E-08
3895	476363.09, 3853377.25	6.06E-04	1.91E-07	8.12E-08	6.19E-04	1.95E-07	8.29E-08	6.18E-04	1.95E-07	8.28E-08
3896	476863.09, 3853377.25	4.66E-04	1.47E-07	6.24E-08	4.75E-04	1.50E-07	6.37E-08	4.75E-04	1.50E-07	6.36E-08
3897	477363.09, 3853377.25	4.49E-04	1.42E-07	6.01E-08	4.58E-04	1.45E-07	6.14E-08	4.58E-04	1.44E-07	6.13E-08
3898	477863.09, 3853377.25	4.66E-04	1.47E-07	6.23E-08	4.75E-04	1.50E-07	6.36E-08	4.75E-04	1.50E-07	6.35E-08
3899	478363.09, 3853377.25	3.66E-04	1.16E-07	4.90E-08	3.74E-04	1.18E-07	5.00E-08	3.73E-04	1.18E-07	5.00E-08
3900	478863.09, 3853377.25	2.44E-04	7.69E-08	3.26E-08	2.49E-04	7.85E-08	3.33E-08	2.48E-04	7.84E-08	3.33E-08
3901	479363.09, 3853377.25	5.45E-04	1.72E-07	7.30E-08	5.56E-04	1.75E-07	7.44E-08	5.55E-04	1.75E-07	7.44E-08
3902	479863.09, 3853377.25	9.86E-04	3.11E-07	1.32E-07	1.01E-03	3.18E-07	1.35E-07	1.00E-03	3.17E-07	1.35E-07

3903	480363.09, 3853377.25	1.92E-03	6.06E-07	2.57E-07	1.96E-03	6.18E-07	2.62E-07	1.96E-03	6.18E-07	2.62E-07
3904	480863.09, 3853377.25	1.93E-03	6.09E-07	2.58E-07	1.97E-03	6.21E-07	2.63E-07	1.97E-03	6.20E-07	2.63E-07
3905	481363.09, 3853377.25	3.19E-03	1.01E-06	4.27E-07	3.25E-03	1.03E-06	4.36E-07	3.25E-03	1.03E-06	4.35E-07
3906	481863.09, 3853377.25	4.84E-03	1.53E-06	6.49E-07	4.94E-03	1.56E-06	6.62E-07	4.94E-03	1.56E-06	6.61E-07
3907	482363.09, 3853377.25	7.97E-03	2.51E-06	1.07E-06	8.13E-03	2.57E-06	1.09E-06	8.12E-03	2.56E-06	1.09E-06
3908	482863.09, 3853377.25	5.63E-02	1.78E-05	7.54E-06	5.74E-02	1.81E-05	7.69E-06	5.74E-02	1.81E-05	7.68E-06
3909	483363.09, 3853377.25	1.08E-02	3.41E-06	1.45E-06	1.10E-02	3.48E-06	1.48E-06	1.10E-02	3.47E-06	1.47E-06
3910	483863.09, 3853377.25	6.37E-03	2.01E-06	8.53E-07	6.50E-03	2.05E-06	8.71E-07	6.49E-03	2.05E-06	8.69E-07
3911	484363.09, 3853377.25	5.10E-03	1.61E-06	6.82E-07	5.20E-03	1.64E-06	6.96E-07	5.19E-03	1.64E-06	6.95E-07
3912	484863.09, 3853377.25	3.73E-03	1.18E-06	4.99E-07	3.80E-03	1.20E-06	5.09E-07	3.80E-03	1.20E-06	5.09E-07
3913	485363.09, 3853377.25	2.59E-03	8.16E-07	3.46E-07	2.64E-03	8.33E-07	3.53E-07	2.63E-03	8.32E-07	3.53E-07
3914	485863.09, 3853377.25	1.92E-03	6.05E-07	2.57E-07	1.96E-03	6.17E-07	2.62E-07	1.95E-03	6.16E-07	2.62E-07
3915	486363.09, 3853377.25	1.80E-03	5.69E-07	2.41E-07	1.84E-03	5.81E-07	2.46E-07	1.84E-03	5.80E-07	2.46E-07
3916	486863.09, 3853377.25	1.66E-03	5.25E-07	2.23E-07	1.70E-03	5.36E-07	2.27E-07	1.70E-03	5.35E-07	2.27E-07
3917	487363.09, 3853377.25	1.61E-03	5.07E-07	2.15E-07	1.64E-03	5.17E-07	2.19E-07	1.64E-03	5.17E-07	2.19E-07
3918	487863.09, 3853377.25	1.52E-03	4.81E-07	2.04E-07	1.55E-03	4.91E-07	2.08E-07	1.55E-03	4.90E-07	2.08E-07
3919	488363.09, 3853377.25	1.47E-03	4.65E-07	1.97E-07	1.50E-03	4.75E-07	2.01E-07	1.50E-03	4.74E-07	2.01E-07
3920	488863.09, 3853377.25	1.38E-03	4.36E-07	1.85E-07	1.41E-03	4.45E-07	1.89E-07	1.41E-03	4.45E-07	1.89E-07
3921	489363.09, 3853377.25	1.30E-03	4.09E-07	1.74E-07	1.32E-03	4.17E-07	1.77E-07	1.32E-03	4.17E-07	1.77E-07
3922	489863.09, 3853377.25	1.19E-03	3.76E-07	1.60E-07	1.22E-03	3.84E-07	1.63E-07	1.22E-03	3.84E-07	1.63E-07
3923	490363.09, 3853377.25	1.17E-03	3.71E-07	1.57E-07	1.20E-03	3.78E-07	1.60E-07	1.20E-03	3.78E-07	1.60E-07
3924	490863.09, 3853377.25	1.14E-03	3.61E-07	1.53E-07	1.17E-03	3.68E-07	1.56E-07	1.17E-03	3.68E-07	1.56E-07
3925	491363.09, 3853377.25	1.11E-03	3.51E-07	1.49E-07	1.13E-03	3.58E-07	1.52E-07	1.13E-03	3.58E-07	1.52E-07
3926	491863.09, 3853377.25	1.08E-03	3.39E-07	1.44E-07	1.10E-03	3.46E-07	1.47E-07	1.10E-03	3.46E-07	1.47E-07
3927	492363.09, 3853377.25	1.06E-03	3.35E-07	1.42E-07	1.08E-03	3.42E-07	1.45E-07	1.08E-03	3.41E-07	1.45E-07
3928	492863.09, 3853377.25	1.05E-03	3.30E-07	1.40E-07	1.07E-03	3.37E-07	1.43E-07	1.07E-03	3.36E-07	1.43E-07
3929	493363.09, 3853377.25	1.01E-03	3.17E-07	1.35E-07	1.03E-03	3.24E-07	1.37E-07	1.02E-03	3.23E-07	1.37E-07
3930	493863.09, 3853377.25	9.64E-04	3.04E-07	1.29E-07	9.83E-04	3.10E-07	1.32E-07	9.82E-04	3.10E-07	1.32E-07
3931	494363.09, 3853377.25	9.06E-04	2.86E-07	1.21E-07	9.25E-04	2.92E-07	1.24E-07	9.24E-04	2.92E-07	1.24E-07
3932	494863.09, 3853377.25	8.46E-04	2.67E-07	1.13E-07	8.63E-04	2.72E-07	1.16E-07	8.62E-04	2.72E-07	1.15E-07
3933	495363.09, 3853377.25	8.05E-04	2.54E-07	1.08E-07	8.21E-04	2.59E-07	1.10E-07	8.20E-04	2.59E-07	1.10E-07
3934	495863.09, 3853377.25	7.55E-04	2.38E-07	1.01E-07	7.70E-04	2.43E-07	1.03E-07	7.69E-04	2.43E-07	1.03E-07
3935	496363.09, 3853377.25	6.96E-04	2.20E-07	9.32E-08	7.10E-04	2.24E-07	9.51E-08	7.09E-04	2.24E-07	9.50E-08
3936	496863.09, 3853377.25	6.18E-04	1.95E-07	8.27E-08	6.31E-04	1.99E-07	8.44E-08	6.30E-04	1.99E-07	8.43E-08
3937	497363.09, 3853377.25	5.21E-04	1.64E-07	6.98E-08	5.32E-04	1.68E-07	7.12E-08	5.31E-04	1.68E-07	7.11E-08
3938	497863.09, 3853377.25	3.47E-04	1.10E-07	4.65E-08	3.55E-04	1.12E-07	4.75E-08	3.54E-04	1.12E-07	4.74E-08
3939	498363.09, 3853377.25	2.69E-04	8.49E-08	3.60E-08	2.75E-04	8.66E-08	3.68E-08	2.74E-04	8.65E-08	3.67E-08
3940	471363.09, 3853877.25	4.03E-04	1.27E-07	5.39E-08	4.11E-04	1.30E-07	5.50E-08	4.10E-04	1.29E-07	5.49E-08
3941	471863.09, 3853877.25	4.51E-04	1.42E-07	6.04E-08	4.60E-04	1.45E-07	6.16E-08	4.60E-04	1.45E-07	6.16E-08
3942	472363.09, 3853877.25	4.84E-04	1.53E-07	6.48E-08	4.94E-04	1.56E-07	6.62E-08	4.93E-04	1.56E-07	6.61E-08
3943	472863.09, 3853877.25	5.28E-04	1.67E-07	7.07E-08	5.39E-04	1.70E-07	7.21E-08	5.38E-04	1.70E-07	7.20E-08
3944	473363.09, 3853877.25	5.52E-04	1.74E-07	7.40E-08	5.64E-04	1.78E-07	7.55E-08	5.63E-04	1.78E-07	7.54E-08
3945	473863.09, 3853877.25	5.78E-04	1.83E-07	7.75E-08	5.90E-04	1.86E-07	7.90E-08	5.90E-04	1.86E-07	7.89E-08
3946	474363.09, 3853877.25	6.10E-04	1.93E-07	8.17E-08	6.23E-04	1.97E-07	8.34E-08	6.22E-04	1.96E-07	8.33E-08
3947	474863.09, 3853877.25	6.29E-04	1.99E-07	8.42E-08	6.42E-04	2.03E-07	8.60E-08	6.41E-04	2.02E-07	8.59E-08
3948	475363.09, 3853877.25	5.90E-04	1.86E-07	7.90E-08	6.02E-04	1.90E-07	8.06E-08	6.02E-04	1.90E-07	8.06E-08
3949	475863.09, 3853877.25	4.73E-04	1.49E-07	6.33E-08	4.83E-04	1.52E-07	6.46E-08	4.82E-04	1.52E-07	6.45E-08
3950	476363.09, 3853877.25	3.58E-04	1.13E-07	4.79E-08	3.65E-04	1.15E-07	4.89E-08	3.65E-04	1.15E-07	4.88E-08
3951	476863.09, 3853877.25	2.35E-04	7.42E-08	3.15E-08	2.40E-04	7.57E-08	3.21E-08	2.40E-04	7.56E-08	3.21E-08
3952	477363.09, 3853877.25	2.61E-04	8.25E-08	3.50E-08	2.67E-04	8.42E-08	3.57E-08	2.66E-04	8.41E-08	3.57E-08
3953	477863.09, 3853877.25	3.22E-04	1.02E-07	4.32E-08	3.29E-04	1.04E-07	4.40E-08	3.29E-04	1.04E-07	4.40E-08
3954	478363.09, 3853877.25	3.41E-04	1.08E-07	4.56E-08	3.48E-04	1.10E-07	4.65E-08	3.47E-04	1.10E-07	4.65E-08
3955	478863.09, 3853877.25	1.94E-04	6.11E-08	2.59E-08	1.98E-04	6.23E-08	2.65E-08	1.97E-04	6.23E-08	2.64E-08
3956	479363.09, 3853877.25	3.15E-04	9.95E-08	4.22E-08	3.22E-04	1.02E-07	4.31E-08	3.21E-04	1.01E-07	4.30E-08
3957	479863.09, 3853877.25	7.25E-04	2.29E-07	9.71E-08	7.40E-04	2.33E-07	9.91E-08	7.39E-04	2.33E-07	9.89E-08
3958	480363.09, 3853877.25	1.10E-03	3.47E-07	1.47E-07	1.12E-03	3.54E-07	1.50E-07	1.12E-03	3.54E-07	1.50E-07
3959	480863.09, 3853877.25	1.81E-03	5.71E-07	2.42E-07	1.85E-03	5.83E-07	2.47E-07	1.84E-03	5.82E-07	2.47E-07
3960	481363.09, 3853877.25	2.34E-03	7.40E-07	3.14E-07	2.39E-03	7.55E-07	3.20E-07	2.39E-03	7.54E-07	3.20E-07
3961	481863.09, 3853877.25	2.95E-03	9.32E-07	3.96E-07	3.01E-03	9.51E-07	4.04E-07	3.01E-03	9.50E-07	4.03E-07
3962	482363.09, 3853877.25	3.42E-03	1.08E-06	4.58E-07	3.49E-03	1.10E-06	4.67E-07	3.48E-03	1.10E-06	4.67E-07
3963	482863.09, 3853877.25	3.59E-03	1.13E-06	4.81E-07	3.66E-03	1.16E-06	4.90E-07	3.66E-03	1.15E-06	4.90E-07
3964	483363.09, 3853877.25	3.46E-03	1.09E-06	4.64E-07	3.53E-03	1.12E-06	4.73E-07	3.53E-03	1.11E-06	4.73E-07

3965	483863.09, 3853877.25	3.28E-03	1.04E-06	4.40E-07	3.35E-03	1.06E-06	4.49E-07	3.35E-03	1.06E-06	4.48E-07
3966	484363.09, 3853877.25	2.77E-03	8.75E-07	3.71E-07	2.83E-03	8.93E-07	3.79E-07	2.83E-03	8.92E-07	3.78E-07
3967	484863.09, 3853877.25	2.26E-03	7.13E-07	3.02E-07	2.30E-03	7.27E-07	3.09E-07	2.30E-03	7.26E-07	3.08E-07
3968	485363.09, 3853877.25	1.69E-03	5.35E-07	2.27E-07	1.73E-03	5.46E-07	2.32E-07	1.73E-03	5.45E-07	2.31E-07
3969	485863.09, 3853877.25	1.72E-03	5.43E-07	2.31E-07	1.76E-03	5.54E-07	2.35E-07	1.75E-03	5.54E-07	2.35E-07
3970	486363.09, 3853877.25	1.56E-03	4.93E-07	2.09E-07	1.59E-03	5.03E-07	2.13E-07	1.59E-03	5.02E-07	2.13E-07
3971	486863.09, 3853877.25	1.42E-03	4.49E-07	1.90E-07	1.45E-03	4.58E-07	1.94E-07	1.45E-03	4.57E-07	1.94E-07
3972	487363.09, 3853877.25	1.40E-03	4.41E-07	1.87E-07	1.43E-03	4.50E-07	1.91E-07	1.43E-03	4.50E-07	1.91E-07
3973	487863.09, 3853877.25	1.44E-03	4.54E-07	1.92E-07	1.47E-03	4.63E-07	1.96E-07	1.46E-03	4.62E-07	1.96E-07
3974	488363.09, 3853877.25	1.40E-03	4.42E-07	1.87E-07	1.43E-03	4.51E-07	1.91E-07	1.43E-03	4.50E-07	1.91E-07
3975	488863.09, 3853877.25	1.39E-03	4.38E-07	1.86E-07	1.42E-03	4.47E-07	1.90E-07	1.41E-03	4.46E-07	1.89E-07
3976	489363.09, 3853877.25	1.28E-03	4.04E-07	1.71E-07	1.31E-03	4.12E-07	1.75E-07	1.30E-03	4.12E-07	1.75E-07
3977	489863.09, 3853877.25	1.24E-03	3.90E-07	1.66E-07	1.26E-03	3.98E-07	1.69E-07	1.26E-03	3.98E-07	1.69E-07
3978	490363.09, 3853877.25	1.17E-03	3.69E-07	1.57E-07	1.19E-03	3.77E-07	1.60E-07	1.19E-03	3.76E-07	1.60E-07
3979	490863.09, 3853877.25	1.13E-03	3.56E-07	1.51E-07	1.15E-03	3.63E-07	1.54E-07	1.15E-03	3.62E-07	1.54E-07
3980	491363.09, 3853877.25	1.09E-03	3.44E-07	1.46E-07	1.11E-03	3.51E-07	1.49E-07	1.11E-03	3.50E-07	1.49E-07
3981	491863.09, 3853877.25	1.05E-03	3.32E-07	1.41E-07	1.07E-03	3.39E-07	1.44E-07	1.07E-03	3.39E-07	1.44E-07
3982	492363.09, 3853877.25	1.04E-03	3.28E-07	1.39E-07	1.06E-03	3.35E-07	1.42E-07	1.06E-03	3.35E-07	1.42E-07
3983	492863.09, 3853877.25	1.01E-03	3.20E-07	1.36E-07	1.03E-03	3.27E-07	1.39E-07	1.03E-03	3.26E-07	1.38E-07
3984	493363.09, 3853877.25	9.72E-04	3.07E-07	1.30E-07	9.92E-04	3.13E-07	1.33E-07	9.91E-04	3.13E-07	1.33E-07
3985	493863.09, 3853877.25	9.25E-04	2.92E-07	1.24E-07	9.44E-04	2.98E-07	1.26E-07	9.42E-04	2.97E-07	1.26E-07
3986	494363.09, 3853877.25	8.85E-04	2.79E-07	1.18E-07	9.03E-04	2.85E-07	1.21E-07	9.02E-04	2.85E-07	1.21E-07
3987	494863.09, 3853877.25	8.36E-04	2.64E-07	1.12E-07	8.53E-04	2.69E-07	1.14E-07	8.52E-04	2.69E-07	1.14E-07
3988	495363.09, 3853877.25	7.49E-04	2.37E-07	1.00E-07	7.65E-04	2.41E-07	1.02E-07	7.64E-04	2.41E-07	1.02E-07
3989	495863.09, 3853877.25	6.76E-04	2.13E-07	9.05E-08	6.90E-04	2.18E-07	9.24E-08	6.89E-04	2.17E-07	9.23E-08
3990	496363.09, 3853877.25	6.26E-04	1.97E-07	8.38E-08	6.38E-04	2.01E-07	8.55E-08	6.38E-04	2.01E-07	8.54E-08
3991	496863.09, 3853877.25	5.40E-04	1.71E-07	7.24E-08	5.51E-04	1.74E-07	7.38E-08	5.51E-04	1.74E-07	7.38E-08
3992	497363.09, 3853877.25	4.67E-04	1.47E-07	6.26E-08	4.77E-04	1.51E-07	6.39E-08	4.76E-04	1.50E-07	6.38E-08
3993	497863.09, 3853877.25	3.70E-04	1.17E-07	4.95E-08	3.77E-04	1.19E-07	5.05E-08	3.77E-04	1.19E-07	5.04E-08
3994	498363.09, 3853877.25	3.14E-04	9.92E-08	4.21E-08	3.21E-04	1.01E-07	4.30E-08	3.20E-04	1.01E-07	4.29E-08
3995	471363.09, 3854377.25	3.90E-04	1.23E-07	5.22E-08	3.98E-04	1.26E-07	5.33E-08	3.98E-04	1.25E-07	5.32E-08
3996	471863.09, 3854377.25	4.31E-04	1.36E-07	5.77E-08	4.40E-04	1.39E-07	5.89E-08	4.39E-04	1.39E-07	5.88E-08
3997	472363.09, 3854377.25	4.65E-04	1.47E-07	6.22E-08	4.74E-04	1.50E-07	6.35E-08	4.74E-04	1.49E-07	6.34E-08
3998	472863.09, 3854377.25	4.89E-04	1.54E-07	6.54E-08	4.99E-04	1.57E-07	6.68E-08	4.98E-04	1.57E-07	6.67E-08
3999	473363.09, 3854377.25	5.20E-04	1.64E-07	6.97E-08	5.31E-04	1.68E-07	7.11E-08	5.30E-04	1.67E-07	7.10E-08
4000	473863.09, 3854377.25	5.59E-04	1.76E-07	7.49E-08	5.70E-04	1.80E-07	7.64E-08	5.70E-04	1.80E-07	7.63E-08
4001	474363.09, 3854377.25	5.91E-04	1.87E-07	7.92E-08	6.03E-04	1.90E-07	8.08E-08	6.03E-04	1.90E-07	8.07E-08
4002	474863.09, 3854377.25	5.55E-04	1.75E-07	7.44E-08	5.67E-04	1.79E-07	7.59E-08	5.66E-04	1.79E-07	7.58E-08
4003	475363.09, 3854377.25	4.56E-04	1.44E-07	6.11E-08	4.66E-04	1.47E-07	6.24E-08	4.65E-04	1.47E-07	6.23E-08
4004	475863.09, 3854377.25	2.68E-04	8.44E-08	3.58E-08	2.73E-04	8.62E-08	3.66E-08	2.73E-04	8.61E-08	3.65E-08
4005	476363.09, 3854377.25	2.17E-04	6.86E-08	2.91E-08	2.22E-04	7.00E-08	2.97E-08	2.22E-04	7.00E-08	2.97E-08
4006	476863.09, 3854377.25	1.93E-04	6.10E-08	2.59E-08	1.97E-04	6.23E-08	2.64E-08	1.97E-04	6.22E-08	2.64E-08
4007	477363.09, 3854377.25	1.79E-04	5.66E-08	2.40E-08	1.83E-04	5.78E-08	2.45E-08	1.83E-04	5.77E-08	2.45E-08
4008	477863.09, 3854377.25	1.75E-04	5.53E-08	2.35E-08	1.79E-04	5.65E-08	2.40E-08	1.79E-04	5.64E-08	2.39E-08
4009	478363.09, 3854377.25	2.18E-04	6.87E-08	2.92E-08	2.22E-04	7.01E-08	2.98E-08	2.22E-04	7.00E-08	2.97E-08
4010	478863.09, 3854377.25	2.38E-04	7.52E-08	3.19E-08	2.43E-04	7.68E-08	3.26E-08	2.43E-04	7.67E-08	3.25E-08
4011	479363.09, 3854377.25	4.42E-04	1.40E-07	5.92E-08	4.51E-04	1.42E-07	6.04E-08	4.50E-04	1.42E-07	6.03E-08
4012	479863.09, 3854377.25	5.88E-04	1.86E-07	7.88E-08	6.00E-04	1.89E-07	8.04E-08	5.99E-04	1.89E-07	8.03E-08
4013	480363.09, 3854377.25	8.19E-04	2.58E-07	1.10E-07	8.36E-04	2.64E-07	1.12E-07	8.35E-04	2.63E-07	1.12E-07
4014	480863.09, 3854377.25	1.21E-03	3.83E-07	1.62E-07	1.24E-03	3.90E-07	1.66E-07	1.24E-03	3.90E-07	1.65E-07
4015	481363.09, 3854377.25	1.61E-03	5.07E-07	2.15E-07	1.64E-03	5.17E-07	2.19E-07	1.64E-03	5.16E-07	2.19E-07
4016	481863.09, 3854377.25	2.00E-03	6.32E-07	2.68E-07	2.04E-03	6.45E-07	2.74E-07	2.04E-03	6.44E-07	2.73E-07
4017	482363.09, 3854377.25	2.07E-03	6.52E-07	2.77E-07	2.11E-03	6.65E-07	2.82E-07	2.11E-03	6.65E-07	2.82E-07
4018	482863.09, 3854377.25	2.06E-03	6.50E-07	2.76E-07	2.10E-03	6.63E-07	2.81E-07	2.10E-03	6.62E-07	2.81E-07
4019	483363.09, 3854377.25	2.02E-03	6.36E-07	2.70E-07	2.06E-03	6.49E-07	2.76E-07	2.06E-03	6.49E-07	2.75E-07
4020	483863.09, 3854377.25	1.83E-03	5.77E-07	2.45E-07	1.87E-03	5.89E-07	2.50E-07	1.86E-03	5.88E-07	2.50E-07
4021	484363.09, 3854377.25	1.55E-03	4.89E-07	2.07E-07	1.58E-03	4.99E-07	2.12E-07	1.58E-03	4.98E-07	2.11E-07
4022	484863.09, 3854377.25	1.28E-03	4.05E-07	1.72E-07	1.31E-03	4.14E-07	1.76E-07	1.31E-03	4.13E-07	1.75E-07
4023	485363.09, 3854377.25	1.47E-03	4.64E-07	1.97E-07	1.50E-03	4.74E-07	2.01E-07	1.50E-03	4.73E-07	2.01E-07
4024	485863.09, 3854377.25	1.31E-03	4.14E-07	1.76E-07	1.34E-03	4.22E-07	1.79E-07	1.34E-03	4.22E-07	1.79E-07
4025	486363.09, 3854377.25	1.37E-03	4.32E-07	1.83E-07	1.40E-03	4.41E-07	1.87E-07	1.40E-03	4.40E-07	1.87E-07
4026	486863.09, 3854377.25	1.29E-03	4.06E-07	1.72E-07	1.31E-03	4.15E-07	1.76E-07	1.31E-03	4.14E-07	1.76E-07

4027	487363.09, 3854377.25	1.27E-03	4.01E-07	1.70E-07	1.30E-03	4.09E-07	1.74E-07	1.29E-03	4.09E-07	1.73E-07
4028	487863.09, 3854377.25	1.30E-03	4.09E-07	1.74E-07	1.32E-03	4.17E-07	1.77E-07	1.32E-03	4.17E-07	1.77E-07
4029	488363.09, 3854377.25	1.29E-03	4.08E-07	1.73E-07	1.32E-03	4.16E-07	1.77E-07	1.32E-03	4.16E-07	1.76E-07
4030	488863.09, 3854377.25	1.27E-03	4.00E-07	1.70E-07	1.29E-03	4.08E-07	1.73E-07	1.29E-03	4.08E-07	1.73E-07
4031	489363.09, 3854377.25	1.23E-03	3.88E-07	1.65E-07	1.26E-03	3.96E-07	1.68E-07	1.25E-03	3.96E-07	1.68E-07
4032	489863.09, 3854377.25	1.18E-03	3.73E-07	1.58E-07	1.21E-03	3.81E-07	1.62E-07	1.21E-03	3.80E-07	1.61E-07
4033	490363.09, 3854377.25	1.13E-03	3.56E-07	1.51E-07	1.15E-03	3.64E-07	1.54E-07	1.15E-03	3.63E-07	1.54E-07
4034	490863.09, 3854377.25	9.87E-04	3.11E-07	1.32E-07	1.01E-03	3.18E-07	1.35E-07	1.01E-03	3.17E-07	1.35E-07
4035	491363.09, 3854377.25	1.01E-03	3.19E-07	1.36E-07	1.03E-03	3.26E-07	1.38E-07	1.03E-03	3.26E-07	1.38E-07
4036	491863.09, 3854377.25	1.01E-03	3.20E-07	1.36E-07	1.04E-03	3.27E-07	1.39E-07	1.03E-03	3.26E-07	1.39E-07
4037	492363.09, 3854377.25	9.94E-04	3.14E-07	1.33E-07	1.01E-03	3.20E-07	1.36E-07	1.01E-03	3.20E-07	1.36E-07
4038	492863.09, 3854377.25	9.59E-04	3.03E-07	1.28E-07	9.79E-04	3.09E-07	1.31E-07	9.78E-04	3.09E-07	1.31E-07
4039	493363.09, 3854377.25	9.17E-04	2.89E-07	1.23E-07	9.35E-04	2.95E-07	1.25E-07	9.34E-04	2.95E-07	1.25E-07
4040	493863.09, 3854377.25	8.73E-04	2.76E-07	1.17E-07	8.91E-04	2.81E-07	1.19E-07	8.90E-04	2.81E-07	1.19E-07
4041	494363.09, 3854377.25	8.33E-04	2.63E-07	1.12E-07	8.50E-04	2.68E-07	1.14E-07	8.49E-04	2.68E-07	1.14E-07
4042	494863.09, 3854377.25	7.28E-04	2.30E-07	9.74E-08	7.42E-04	2.34E-07	9.94E-08	7.42E-04	2.34E-07	9.93E-08
4043	495363.09, 3854377.25	6.10E-04	1.92E-07	8.16E-08	6.22E-04	1.96E-07	8.33E-08	6.21E-04	1.96E-07	8.32E-08
4044	495863.09, 3854377.25	5.27E-04	1.66E-07	7.06E-08	5.38E-04	1.70E-07	7.21E-08	5.38E-04	1.70E-07	7.20E-08
4045	496363.09, 3854377.25	4.88E-04	1.54E-07	6.54E-08	4.98E-04	1.57E-07	6.67E-08	4.98E-04	1.57E-07	6.66E-08
4046	496863.09, 3854377.25	4.35E-04	1.37E-07	5.82E-08	4.44E-04	1.40E-07	5.94E-08	4.43E-04	1.40E-07	5.94E-08
4047	497363.09, 3854377.25	3.48E-04	1.10E-07	4.66E-08	3.55E-04	1.12E-07	4.76E-08	3.55E-04	1.12E-07	4.75E-08
4048	497863.09, 3854377.25	3.64E-04	1.15E-07	4.88E-08	3.72E-04	1.17E-07	4.98E-08	3.71E-04	1.17E-07	4.97E-08
4049	498363.09, 3854377.25	3.19E-04	1.01E-07	4.27E-08	3.26E-04	1.03E-07	4.36E-08	3.25E-04	1.03E-07	4.36E-08
4050	471363.09, 3854877.25	3.84E-04	1.21E-07	5.14E-08	3.92E-04	1.24E-07	5.25E-08	3.91E-04	1.24E-07	5.24E-08
4051	471863.09, 3854877.25	4.13E-04	1.30E-07	5.52E-08	4.21E-04	1.33E-07	5.64E-08	4.20E-04	1.33E-07	5.63E-08
4052	472363.09, 3854877.25	4.39E-04	1.39E-07	5.88E-08	4.48E-04	1.41E-07	6.00E-08	4.48E-04	1.41E-07	6.00E-08
4053	472863.09, 3854877.25	4.48E-04	1.41E-07	6.00E-08	4.57E-04	1.44E-07	6.12E-08	4.56E-04	1.44E-07	6.11E-08
4054	473363.09, 3854877.25	4.85E-04	1.53E-07	6.50E-08	4.95E-04	1.56E-07	6.63E-08	4.95E-04	1.56E-07	6.62E-08
4055	473863.09, 3854877.25	5.20E-04	1.64E-07	6.96E-08	5.30E-04	1.67E-07	7.10E-08	5.30E-04	1.67E-07	7.09E-08
4056	474363.09, 3854877.25	5.63E-04	1.78E-07	7.54E-08	5.75E-04	1.81E-07	7.69E-08	5.74E-04	1.81E-07	7.69E-08
4057	474863.09, 3854877.25	4.64E-04	1.46E-07	6.21E-08	4.73E-04	1.49E-07	6.34E-08	4.73E-04	1.49E-07	6.33E-08
4058	475363.09, 3854877.25	3.34E-04	1.05E-07	4.47E-08	3.41E-04	1.08E-07	4.56E-08	3.40E-04	1.07E-07	4.56E-08
4059	475863.09, 3854877.25	2.16E-04	6.82E-08	2.89E-08	2.20E-04	6.96E-08	2.95E-08	2.20E-04	6.95E-08	2.95E-08
4060	476363.09, 3854877.25	1.00E-04	3.16E-08	1.34E-08	1.02E-04	3.23E-08	1.37E-08	1.02E-04	3.22E-08	1.37E-08
4061	476863.09, 3854877.25	9.16E-05	2.89E-08	1.23E-08	9.35E-05	2.95E-08	1.25E-08	9.34E-05	2.95E-08	1.25E-08
4062	477363.09, 3854877.25	1.20E-04	3.79E-08	1.61E-08	1.23E-04	3.87E-08	1.64E-08	1.23E-04	3.87E-08	1.64E-08
4063	477863.09, 3854877.25	1.48E-04	4.66E-08	1.98E-08	1.51E-04	4.75E-08	2.02E-08	1.50E-04	4.75E-08	2.01E-08
4064	478363.09, 3854877.25	2.26E-04	7.14E-08	3.03E-08	2.31E-04	7.29E-08	3.09E-08	2.31E-04	7.28E-08	3.09E-08
4065	478863.09, 3854877.25	3.57E-04	1.13E-07	4.78E-08	3.64E-04	1.15E-07	4.88E-08	3.64E-04	1.15E-07	4.87E-08
4066	479363.09, 3854877.25	5.24E-04	1.65E-07	7.02E-08	5.35E-04	1.69E-07	7.16E-08	5.34E-04	1.69E-07	7.15E-08
4067	479863.09, 3854877.25	7.13E-04	2.25E-07	9.55E-08	7.28E-04	2.30E-07	9.74E-08	7.27E-04	2.29E-07	9.73E-08
4068	480363.09, 3854877.25	8.59E-04	2.71E-07	1.15E-07	8.76E-04	2.77E-07	1.17E-07	8.75E-04	2.76E-07	1.17E-07
4069	480863.09, 3854877.25	1.12E-03	3.53E-07	1.50E-07	1.14E-03	3.60E-07	1.53E-07	1.14E-03	3.59E-07	1.52E-07
4070	481363.09, 3854877.25	1.27E-03	4.00E-07	1.70E-07	1.29E-03	4.08E-07	1.73E-07	1.29E-03	4.08E-07	1.73E-07
4071	481863.09, 3854877.25	1.20E-03	3.79E-07	1.61E-07	1.22E-03	3.86E-07	1.64E-07	1.22E-03	3.86E-07	1.64E-07
4072	482363.09, 3854877.25	1.50E-03	4.75E-07	2.01E-07	1.54E-03	4.85E-07	2.06E-07	1.53E-03	4.84E-07	2.05E-07
4073	482863.09, 3854877.25	1.49E-03	4.71E-07	2.00E-07	1.52E-03	4.80E-07	2.04E-07	1.52E-03	4.80E-07	2.03E-07
4074	483363.09, 3854877.25	1.49E-03	4.72E-07	2.00E-07	1.52E-03	4.81E-07	2.04E-07	1.52E-03	4.81E-07	2.04E-07
4075	483863.09, 3854877.25	1.46E-03	4.61E-07	1.96E-07	1.49E-03	4.71E-07	2.00E-07	1.49E-03	4.70E-07	2.00E-07
4076	484363.09, 3854877.25	1.34E-03	4.23E-07	1.79E-07	1.37E-03	4.32E-07	1.83E-07	1.37E-03	4.31E-07	1.83E-07
4077	484863.09, 3854877.25	1.30E-03	4.10E-07	1.74E-07	1.33E-03	4.19E-07	1.78E-07	1.32E-03	4.18E-07	1.77E-07
4078	485363.09, 3854877.25	1.23E-03	3.90E-07	1.65E-07	1.26E-03	3.98E-07	1.69E-07	1.26E-03	3.97E-07	1.69E-07
4079	485863.09, 3854877.25	1.20E-03	3.80E-07	1.61E-07	1.23E-03	3.87E-07	1.64E-07	1.23E-03	3.87E-07	1.64E-07
4080	486363.09, 3854877.25	1.17E-03	3.69E-07	1.57E-07	1.19E-03	3.76E-07	1.60E-07	1.19E-03	3.76E-07	1.60E-07
4081	486863.09, 3854877.25	1.16E-03	3.66E-07	1.55E-07	1.18E-03	3.74E-07	1.59E-07	1.18E-03	3.73E-07	1.58E-07
4082	487363.09, 3854877.25	1.20E-03	3.79E-07	1.61E-07	1.23E-03	3.87E-07	1.64E-07	1.22E-03	3.86E-07	1.64E-07
4083	487863.09, 3854877.25	1.20E-03	3.77E-07	1.60E-07	1.22E-03	3.85E-07	1.63E-07	1.22E-03	3.85E-07	1.63E-07
4084	488363.09, 3854877.25	1.17E-03	3.70E-07	1.57E-07	1.20E-03	3.77E-07	1.60E-07	1.19E-03	3.77E-07	1.60E-07
4085	488863.09, 3854877.25	1.16E-03	3.66E-07	1.55E-07	1.18E-03	3.73E-07	1.58E-07	1.18E-03	3.73E-07	1.58E-07
4086	489363.09, 3854877.25	1.13E-03	3.57E-07	1.51E-07	1.15E-03	3.64E-07	1.55E-07	1.15E-03	3.64E-07	1.54E-07
4087	489863.09, 3854877.25	1.07E-03	3.39E-07	1.44E-07	1.10E-03	3.46E-07	1.47E-07	1.09E-03	3.45E-07	1.47E-07
4088	490363.09, 3854877.25	9.11E-04	2.88E-07	1.22E-07	9.30E-04	2.94E-07	1.25E-07	9.29E-04	2.93E-07	1.24E-07

4089	490863.09, 3854877.25	7.15E-04	2.26E-07	9.57E-08	7.29E-04	2.30E-07	9.76E-08	7.28E-04	2.30E-07	9.75E-08
4090	491363.09, 3854877.25	7.61E-04	2.40E-07	1.02E-07	7.76E-04	2.45E-07	1.04E-07	7.75E-04	2.45E-07	1.04E-07
4091	491863.09, 3854877.25	9.46E-04	2.99E-07	1.27E-07	9.65E-04	3.05E-07	1.29E-07	9.64E-04	3.04E-07	1.29E-07
4092	492363.09, 3854877.25	9.33E-04	2.95E-07	1.25E-07	9.53E-04	3.01E-07	1.28E-07	9.51E-04	3.00E-07	1.27E-07
4093	492863.09, 3854877.25	9.00E-04	2.84E-07	1.21E-07	9.18E-04	2.90E-07	1.23E-07	9.17E-04	2.89E-07	1.23E-07
4094	493363.09, 3854877.25	8.57E-04	2.71E-07	1.15E-07	8.75E-04	2.76E-07	1.17E-07	8.74E-04	2.76E-07	1.17E-07
4095	493863.09, 3854877.25	8.20E-04	2.59E-07	1.10E-07	8.37E-04	2.64E-07	1.12E-07	8.36E-04	2.64E-07	1.12E-07
4096	494363.09, 3854877.25	6.98E-04	2.20E-07	9.34E-08	7.12E-04	2.25E-07	9.53E-08	7.11E-04	2.24E-07	9.52E-08
4097	494863.09, 3854877.25	5.52E-04	1.74E-07	7.39E-08	5.63E-04	1.78E-07	7.54E-08	5.62E-04	1.77E-07	7.53E-08
4098	495363.09, 3854877.25	4.55E-04	1.44E-07	6.09E-08	4.64E-04	1.47E-07	6.22E-08	4.64E-04	1.46E-07	6.21E-08
4099	495863.09, 3854877.25	4.03E-04	1.27E-07	5.39E-08	4.11E-04	1.30E-07	5.50E-08	4.11E-04	1.30E-07	5.50E-08
4100	496363.09, 3854877.25	3.31E-04	1.05E-07	4.44E-08	3.38E-04	1.07E-07	4.53E-08	3.38E-04	1.07E-07	4.52E-08
4101	496863.09, 3854877.25	2.91E-04	9.20E-08	3.90E-08	2.97E-04	9.39E-08	3.98E-08	2.97E-04	9.37E-08	3.98E-08
4102	497363.09, 3854877.25	2.85E-04	8.98E-08	3.81E-08	2.90E-04	9.17E-08	3.89E-08	2.90E-04	9.16E-08	3.88E-08
4103	497863.09, 3854877.25	3.20E-04	1.01E-07	4.29E-08	3.27E-04	1.03E-07	4.37E-08	3.26E-04	1.03E-07	4.37E-08
4104	498363.09, 3854877.25	3.19E-04	1.01E-07	4.27E-08	3.26E-04	1.03E-07	4.36E-08	3.25E-04	1.03E-07	4.36E-08
4105	471363.09, 3855377.25	3.81E-04	1.20E-07	5.10E-08	3.89E-04	1.23E-07	5.21E-08	3.88E-04	1.23E-07	5.20E-08
4106	471863.09, 3855377.25	3.97E-04	1.25E-07	5.32E-08	4.05E-04	1.28E-07	5.43E-08	4.05E-04	1.28E-07	5.42E-08
4107	472363.09, 3855377.25	4.28E-04	1.35E-07	5.74E-08	4.37E-04	1.38E-07	5.85E-08	4.37E-04	1.38E-07	5.85E-08
4108	472863.09, 3855377.25	4.42E-04	1.40E-07	5.92E-08	4.51E-04	1.42E-07	6.04E-08	4.50E-04	1.42E-07	6.03E-08
4109	473363.09, 3855377.25	4.79E-04	1.51E-07	6.42E-08	4.89E-04	1.54E-07	6.55E-08	4.88E-04	1.54E-07	6.54E-08
4110	473863.09, 3855377.25	5.09E-04	1.61E-07	6.81E-08	5.19E-04	1.64E-07	6.95E-08	5.18E-04	1.64E-07	6.94E-08
4111	474363.09, 3855377.25	5.32E-04	1.68E-07	7.12E-08	5.42E-04	1.71E-07	7.26E-08	5.42E-04	1.71E-07	7.26E-08
4112	474863.09, 3855377.25	4.51E-04	1.42E-07	6.04E-08	4.60E-04	1.45E-07	6.16E-08	4.60E-04	1.45E-07	6.16E-08
4113	475363.09, 3855377.25	1.74E-04	5.51E-08	2.34E-08	1.78E-04	5.62E-08	2.38E-08	1.78E-04	5.61E-08	2.38E-08
4114	475863.09, 3855377.25	1.06E-04	3.36E-08	1.42E-08	1.09E-04	3.43E-08	1.45E-08	1.08E-04	3.42E-08	1.45E-08
4115	476363.09, 3855377.25	1.32E-04	4.18E-08	1.77E-08	1.35E-04	4.26E-08	1.81E-08	1.35E-04	4.26E-08	1.81E-08
4116	476863.09, 3855377.25	1.19E-04	3.77E-08	1.60E-08	1.22E-04	3.84E-08	1.63E-08	1.22E-04	3.84E-08	1.63E-08
4117	477363.09, 3855377.25	1.33E-04	4.21E-08	1.79E-08	1.36E-04	4.30E-08	1.82E-08	1.36E-04	4.29E-08	1.82E-08
4118	477863.09, 3855377.25	1.93E-04	6.10E-08	2.59E-08	1.97E-04	6.23E-08	2.64E-08	1.97E-04	6.22E-08	2.64E-08
4119	478363.09, 3855377.25	2.69E-04	8.49E-08	3.60E-08	2.75E-04	8.66E-08	3.68E-08	2.74E-04	8.65E-08	3.67E-08
4120	478863.09, 3855377.25	3.50E-04	1.10E-07	4.68E-08	3.57E-04	1.13E-07	4.78E-08	3.56E-04	1.13E-07	4.77E-08
4121	479363.09, 3855377.25	4.60E-04	1.45E-07	6.16E-08	4.70E-04	1.48E-07	6.29E-08	4.69E-04	1.48E-07	6.28E-08
4122	479863.09, 3855377.25	5.63E-04	1.78E-07	7.54E-08	5.75E-04	1.81E-07	7.70E-08	5.74E-04	1.81E-07	7.69E-08
4123	480363.09, 3855377.25	7.53E-04	2.38E-07	1.01E-07	7.69E-04	2.43E-07	1.03E-07	7.68E-04	2.42E-07	1.03E-07
4124	480863.09, 3855377.25	9.77E-04	3.08E-07	1.31E-07	9.97E-04	3.15E-07	1.34E-07	9.96E-04	3.14E-07	1.33E-07
4125	481363.09, 3855377.25	1.14E-03	3.60E-07	1.53E-07	1.16E-03	3.67E-07	1.56E-07	1.16E-03	3.67E-07	1.56E-07
4126	481863.09, 3855377.25	1.20E-03	3.78E-07	1.60E-07	1.22E-03	3.86E-07	1.64E-07	1.22E-03	3.85E-07	1.63E-07
4127	482363.09, 3855377.25	1.19E-03	3.76E-07	1.60E-07	1.22E-03	3.84E-07	1.63E-07	1.22E-03	3.84E-07	1.63E-07
4128	482863.09, 3855377.25	1.19E-03	3.74E-07	1.59E-07	1.21E-03	3.82E-07	1.62E-07	1.21E-03	3.81E-07	1.62E-07
4129	483363.09, 3855377.25	1.19E-03	3.75E-07	1.59E-07	1.21E-03	3.83E-07	1.63E-07	1.21E-03	3.83E-07	1.62E-07
4130	483863.09, 3855377.25	1.20E-03	3.78E-07	1.60E-07	1.22E-03	3.86E-07	1.64E-07	1.22E-03	3.85E-07	1.63E-07
4131	484363.09, 3855377.25	1.19E-03	3.77E-07	1.60E-07	1.22E-03	3.85E-07	1.63E-07	1.22E-03	3.84E-07	1.63E-07
4132	484863.09, 3855377.25	1.17E-03	3.70E-07	1.57E-07	1.20E-03	3.78E-07	1.60E-07	1.20E-03	3.77E-07	1.60E-07
4133	485363.09, 3855377.25	1.16E-03	3.65E-07	1.55E-07	1.18E-03	3.72E-07	1.58E-07	1.18E-03	3.72E-07	1.58E-07
4134	485863.09, 3855377.25	1.09E-03	3.45E-07	1.47E-07	1.12E-03	3.52E-07	1.50E-07	1.12E-03	3.52E-07	1.49E-07
4135	486363.09, 3855377.25	1.05E-03	3.32E-07	1.41E-07	1.07E-03	3.39E-07	1.44E-07	1.07E-03	3.38E-07	1.43E-07
4136	486863.09, 3855377.25	1.02E-03	3.21E-07	1.36E-07	1.04E-03	3.28E-07	1.39E-07	1.04E-03	3.27E-07	1.39E-07
4137	487363.09, 3855377.25	1.06E-03	3.33E-07	1.41E-07	1.08E-03	3.40E-07	1.44E-07	1.08E-03	3.40E-07	1.44E-07
4138	487863.09, 3855377.25	1.09E-03	3.44E-07	1.46E-07	1.11E-03	3.51E-07	1.49E-07	1.11E-03	3.51E-07	1.49E-07
4139	488363.09, 3855377.25	1.10E-03	3.47E-07	1.47E-07	1.12E-03	3.54E-07	1.50E-07	1.12E-03	3.54E-07	1.50E-07
4140	488863.09, 3855377.25	1.08E-03	3.41E-07	1.45E-07	1.10E-03	3.48E-07	1.48E-07	1.10E-03	3.48E-07	1.47E-07
4141	489363.09, 3855377.25	1.04E-03	3.27E-07	1.39E-07	1.06E-03	3.34E-07	1.42E-07	1.06E-03	3.34E-07	1.42E-07
4142	489863.09, 3855377.25	9.89E-04	3.12E-07	1.32E-07	1.01E-03	3.18E-07	1.35E-07	1.01E-03	3.18E-07	1.35E-07
4143	490363.09, 3855377.25	9.72E-04	3.07E-07	1.30E-07	9.91E-04	3.13E-07	1.33E-07	9.90E-04	3.13E-07	1.33E-07
4144	490863.09, 3855377.25	7.69E-04	2.43E-07	1.03E-07	7.85E-04	2.48E-07	1.05E-07	7.84E-04	2.47E-07	1.05E-07
4145	491363.09, 3855377.25	6.94E-04	2.19E-07	9.29E-08	7.08E-04	2.23E-07	9.48E-08	7.07E-04	2.23E-07	9.47E-08
4146	491863.09, 3855377.25	8.69E-04	2.74E-07	1.16E-07	8.87E-04	2.80E-07	1.19E-07	8.86E-04	2.80E-07	1.19E-07
4147	492363.09, 3855377.25	8.60E-04	2.71E-07	1.15E-07	8.78E-04	2.77E-07	1.18E-07	8.77E-04	2.77E-07	1.17E-07
4148	492863.09, 3855377.25	8.32E-04	2.63E-07	1.11E-07	8.49E-04	2.68E-07	1.14E-07	8.48E-04	2.68E-07	1.14E-07
4149	493363.09, 3855377.25	7.79E-04	2.46E-07	1.04E-07	7.95E-04	2.51E-07	1.06E-07	7.94E-04	2.51E-07	1.06E-07
4150	493863.09, 3855377.25	6.73E-04	2.13E-07	9.02E-08	6.87E-04	2.17E-07	9.20E-08	6.86E-04	2.17E-07	9.19E-08

4151	494363.09, 3855377.25	5.45E-04	1.72E-07	7.30E-08	5.57E-04	1.76E-07	7.45E-08	5.56E-04	1.75E-07	7.44E-08
4152	494863.09, 3855377.25	4.19E-04	1.32E-07	5.61E-08	4.27E-04	1.35E-07	5.72E-08	4.27E-04	1.35E-07	5.71E-08
4153	495363.09, 3855377.25	3.33E-04	1.05E-07	4.46E-08	3.40E-04	1.07E-07	4.55E-08	3.40E-04	1.07E-07	4.55E-08
4154	495863.09, 3855377.25	2.81E-04	8.85E-08	3.76E-08	2.86E-04	9.03E-08	3.83E-08	2.86E-04	9.02E-08	3.83E-08
4155	496363.09, 3855377.25	2.77E-04	8.73E-08	3.71E-08	2.82E-04	8.91E-08	3.78E-08	2.82E-04	8.90E-08	3.78E-08
4156	496863.09, 3855377.25	2.76E-04	8.70E-08	3.69E-08	2.81E-04	8.88E-08	3.77E-08	2.81E-04	8.87E-08	3.76E-08
4157	497363.09, 3855377.25	2.87E-04	9.07E-08	3.85E-08	2.93E-04	9.25E-08	3.93E-08	2.93E-04	9.24E-08	3.92E-08
4158	497863.09, 3855377.25	3.10E-04	9.78E-08	4.15E-08	3.16E-04	9.98E-08	4.24E-08	3.16E-04	9.97E-08	4.23E-08
4159	498363.09, 3855377.25	3.39E-04	1.07E-07	4.53E-08	3.45E-04	1.09E-07	4.63E-08	3.45E-04	1.09E-07	4.62E-08
4160	471363.09, 3855877.25	3.72E-04	1.17E-07	4.98E-08	3.80E-04	1.20E-07	5.09E-08	3.79E-04	1.20E-07	5.08E-08
4161	471863.09, 3855877.25	3.89E-04	1.23E-07	5.21E-08	3.97E-04	1.25E-07	5.31E-08	3.96E-04	1.25E-07	5.31E-08
4162	472363.09, 3855877.25	4.24E-04	1.34E-07	5.68E-08	4.33E-04	1.37E-07	5.79E-08	4.32E-04	1.36E-07	5.79E-08
4163	472863.09, 3855877.25	4.30E-04	1.36E-07	5.76E-08	4.39E-04	1.38E-07	5.87E-08	4.38E-04	1.38E-07	5.87E-08
4164	473363.09, 3855877.25	4.71E-04	1.49E-07	6.31E-08	4.80E-04	1.52E-07	6.43E-08	4.80E-04	1.51E-07	6.43E-08
4165	473863.09, 3855877.25	4.99E-04	1.57E-07	6.68E-08	5.09E-04	1.61E-07	6.82E-08	5.08E-04	1.60E-07	6.81E-08
4166	474363.09, 3855877.25	5.14E-04	1.62E-07	6.88E-08	5.24E-04	1.65E-07	7.02E-08	5.23E-04	1.65E-07	7.01E-08
4167	474863.09, 3855877.25	4.11E-04	1.30E-07	5.50E-08	4.19E-04	1.32E-07	5.62E-08	4.19E-04	1.32E-07	5.61E-08
4168	475363.09, 3855877.25	2.36E-04	7.44E-08	3.16E-08	2.41E-04	7.59E-08	3.22E-08	2.40E-04	7.58E-08	3.22E-08
4169	475863.09, 3855877.25	6.84E-05	2.16E-08	9.15E-09	6.98E-05	2.20E-08	9.34E-09	6.97E-05	2.20E-08	9.33E-09
4170	476363.09, 3855877.25	7.19E-05	2.27E-08	9.63E-09	7.34E-05	2.32E-08	9.82E-09	7.33E-05	2.31E-08	9.81E-09
4171	476863.09, 3855877.25	1.29E-04	4.06E-08	1.72E-08	1.31E-04	4.15E-08	1.76E-08	1.31E-04	4.14E-08	1.76E-08
4172	477363.09, 3855877.25	1.64E-04	5.18E-08	2.20E-08	1.67E-04	5.29E-08	2.24E-08	1.67E-04	5.28E-08	2.24E-08
4173	477863.09, 3855877.25	2.10E-04	6.64E-08	2.82E-08	2.15E-04	6.78E-08	2.87E-08	2.14E-04	6.77E-08	2.87E-08
4174	478363.09, 3855877.25	2.79E-04	8.82E-08	3.74E-08	2.85E-04	9.00E-08	3.82E-08	2.85E-04	8.99E-08	3.81E-08
4175	478863.09, 3855877.25	3.70E-04	1.17E-07	4.95E-08	3.77E-04	1.19E-07	5.05E-08	3.77E-04	1.19E-07	5.05E-08
4176	479363.09, 3855877.25	4.83E-04	1.53E-07	6.47E-08	4.93E-04	1.56E-07	6.60E-08	4.93E-04	1.55E-07	6.60E-08
4177	479863.09, 3855877.25	5.78E-04	1.82E-07	7.73E-08	5.89E-04	1.86E-07	7.89E-08	5.89E-04	1.86E-07	7.88E-08
4178	480363.09, 3855877.25	7.01E-04	2.21E-07	9.38E-08	7.15E-04	2.26E-07	9.57E-08	7.14E-04	2.25E-07	9.56E-08
4179	480863.09, 3855877.25	8.31E-04	2.62E-07	1.11E-07	8.48E-04	2.68E-07	1.14E-07	8.47E-04	2.67E-07	1.13E-07
4180	481363.09, 3855877.25	8.27E-04	2.61E-07	1.11E-07	8.44E-04	2.66E-07	1.13E-07	8.43E-04	2.66E-07	1.13E-07
4181	481863.09, 3855877.25	9.80E-04	3.09E-07	1.31E-07	1.00E-03	3.16E-07	1.34E-07	9.99E-04	3.15E-07	1.34E-07
4182	482363.09, 3855877.25	9.82E-04	3.10E-07	1.32E-07	1.00E-03	3.16E-07	1.34E-07	1.00E-03	3.16E-07	1.34E-07
4183	482863.09, 3855877.25	9.89E-04	3.12E-07	1.32E-07	1.01E-03	3.18E-07	1.35E-07	1.01E-03	3.18E-07	1.35E-07
4184	483363.09, 3855877.25	1.01E-03	3.18E-07	1.35E-07	1.03E-03	3.24E-07	1.38E-07	1.03E-03	3.24E-07	1.37E-07
4185	483863.09, 3855877.25	1.01E-03	3.17E-07	1.35E-07	1.03E-03	3.24E-07	1.37E-07	1.02E-03	3.23E-07	1.37E-07
4186	484363.09, 3855877.25	1.03E-03	3.26E-07	1.38E-07	1.05E-03	3.33E-07	1.41E-07	1.05E-03	3.32E-07	1.41E-07
4187	484863.09, 3855877.25	1.03E-03	3.26E-07	1.38E-07	1.05E-03	3.33E-07	1.41E-07	1.05E-03	3.32E-07	1.41E-07
4188	485363.09, 3855877.25	1.02E-03	3.21E-07	1.36E-07	1.04E-03	3.27E-07	1.39E-07	1.04E-03	3.27E-07	1.39E-07
4189	485863.09, 3855877.25	1.02E-03	3.21E-07	1.36E-07	1.04E-03	3.28E-07	1.39E-07	1.04E-03	3.27E-07	1.39E-07
4190	486363.09, 3855877.25	9.51E-04	3.00E-07	1.27E-07	9.71E-04	3.06E-07	1.30E-07	9.69E-04	3.06E-07	1.30E-07
4191	486863.09, 3855877.25	9.22E-04	2.91E-07	1.23E-07	9.41E-04	2.97E-07	1.26E-07	9.40E-04	2.97E-07	1.26E-07
4192	487363.09, 3855877.25	9.45E-04	2.98E-07	1.27E-07	9.64E-04	3.04E-07	1.29E-07	9.63E-04	3.04E-07	1.29E-07
4193	487863.09, 3855877.25	9.60E-04	3.03E-07	1.29E-07	9.80E-04	3.09E-07	1.31E-07	9.79E-04	3.09E-07	1.31E-07
4194	488363.09, 3855877.25	9.82E-04	3.10E-07	1.32E-07	1.00E-03	3.16E-07	1.34E-07	1.00E-03	3.16E-07	1.34E-07
4195	488863.09, 3855877.25	9.96E-04	3.14E-07	1.33E-07	1.02E-03	3.21E-07	1.36E-07	1.01E-03	3.20E-07	1.36E-07
4196	489363.09, 3855877.25	9.78E-04	3.09E-07	1.31E-07	9.98E-04	3.15E-07	1.34E-07	9.97E-04	3.15E-07	1.33E-07
4197	489863.09, 3855877.25	9.47E-04	2.99E-07	1.27E-07	9.66E-04	3.05E-07	1.29E-07	9.65E-04	3.05E-07	1.29E-07
4198	490363.09, 3855877.25	9.18E-04	2.90E-07	1.23E-07	9.37E-04	2.96E-07	1.26E-07	9.36E-04	2.95E-07	1.25E-07
4199	490863.09, 3855877.25	8.70E-04	2.75E-07	1.16E-07	8.88E-04	2.80E-07	1.19E-07	8.87E-04	2.80E-07	1.19E-07
4200	491363.09, 3855877.25	7.95E-04	2.51E-07	1.06E-07	8.12E-04	2.56E-07	1.09E-07	8.11E-04	2.56E-07	1.09E-07
4201	491863.09, 3855877.25	8.29E-04	2.62E-07	1.11E-07	8.46E-04	2.67E-07	1.13E-07	8.45E-04	2.67E-07	1.13E-07
4202	492363.09, 3855877.25	7.96E-04	2.51E-07	1.07E-07	8.13E-04	2.57E-07	1.09E-07	8.12E-04	2.56E-07	1.09E-07
4203	492863.09, 3855877.25	7.69E-04	2.43E-07	1.03E-07	7.85E-04	2.48E-07	1.05E-07	7.84E-04	2.47E-07	1.05E-07
4204	493363.09, 3855877.25	6.70E-04	2.11E-07	8.97E-08	6.84E-04	2.16E-07	9.16E-08	6.83E-04	2.16E-07	9.15E-08
4205	493863.09, 3855877.25	5.39E-04	1.70E-07	7.21E-08	5.50E-04	1.73E-07	7.36E-08	5.49E-04	1.73E-07	7.35E-08
4206	494363.09, 3855877.25	4.10E-04	1.29E-07	5.49E-08	4.19E-04	1.32E-07	5.60E-08	4.18E-04	1.32E-07	5.60E-08
4207	494863.09, 3855877.25	3.24E-04	1.02E-07	4.34E-08	3.31E-04	1.04E-07	4.43E-08	3.31E-04	1.04E-07	4.43E-08
4208	495363.09, 3855877.25	2.44E-04	7.69E-08	3.26E-08	2.49E-04	7.85E-08	3.33E-08	2.48E-04	7.84E-08	3.33E-08
4209	495863.09, 3855877.25	2.47E-04	7.78E-08	3.30E-08	2.52E-04	7.94E-08	3.37E-08	2.51E-04	7.93E-08	3.37E-08
4210	496363.09, 3855877.25	2.53E-04	8.00E-08	3.39E-08	2.59E-04	8.16E-08	3.46E-08	2.58E-04	8.15E-08	3.46E-08
4211	496863.09, 3855877.25	2.73E-04	8.60E-08	3.65E-08	2.78E-04	8.78E-08	3.72E-08	2.78E-04	8.77E-08	3.72E-08
4212	497363.09, 3855877.25	2.95E-04	9.30E-08	3.95E-08	3.01E-04	9.49E-08	4.03E-08	3.00E-04	9.48E-08	4.02E-08

4213	497863.09, 3855877.25	3.23E-04	1.02E-07	4.33E-08	3.30E-04	1.04E-07	4.42E-08	3.29E-04	1.04E-07	4.41E-08
4214	498363.09, 3855877.25	3.77E-04	1.19E-07	5.05E-08	3.85E-04	1.22E-07	5.16E-08	3.85E-04	1.21E-07	5.15E-08
4215	471363.09, 3856377.25	3.58E-04	1.13E-07	4.80E-08	3.66E-04	1.15E-07	4.90E-08	3.65E-04	1.15E-07	4.89E-08
4216	471863.09, 3856377.25	3.72E-04	1.17E-07	4.98E-08	3.80E-04	1.20E-07	5.09E-08	3.79E-04	1.20E-07	5.08E-08
4217	472363.09, 3856377.25	3.96E-04	1.25E-07	5.31E-08	4.04E-04	1.28E-07	5.42E-08	4.04E-04	1.27E-07	5.41E-08
4218	472863.09, 3856377.25	4.23E-04	1.34E-07	5.67E-08	4.32E-04	1.36E-07	5.78E-08	4.31E-04	1.36E-07	5.78E-08
4219	473363.09, 3856377.25	4.46E-04	1.41E-07	5.97E-08	4.55E-04	1.43E-07	6.09E-08	4.54E-04	1.43E-07	6.08E-08
4220	473863.09, 3856377.25	4.84E-04	1.53E-07	6.48E-08	4.93E-04	1.56E-07	6.61E-08	4.93E-04	1.56E-07	6.60E-08
4221	474363.09, 3856377.25	4.74E-04	1.49E-07	6.34E-08	4.83E-04	1.53E-07	6.47E-08	4.83E-04	1.52E-07	6.46E-08
4222	474863.09, 3856377.25	4.42E-04	1.40E-07	5.92E-08	4.51E-04	1.42E-07	6.04E-08	4.51E-04	1.42E-07	6.04E-08
4223	475363.09, 3856377.25	3.52E-04	1.11E-07	4.71E-08	3.59E-04	1.13E-07	4.81E-08	3.59E-04	1.13E-07	4.80E-08
4224	475863.09, 3856377.25	2.22E-04	6.99E-08	2.97E-08	2.26E-04	7.14E-08	3.03E-08	2.26E-04	7.13E-08	3.02E-08
4225	476363.09, 3856377.25	1.98E-04	6.26E-08	2.66E-08	2.02E-04	6.39E-08	2.71E-08	2.02E-04	6.38E-08	2.71E-08
4226	476863.09, 3856377.25	1.97E-04	6.21E-08	2.64E-08	2.01E-04	6.34E-08	2.69E-08	2.01E-04	6.33E-08	2.69E-08
4227	477363.09, 3856377.25	2.05E-04	6.48E-08	2.75E-08	2.10E-04	6.61E-08	2.81E-08	2.09E-04	6.61E-08	2.80E-08
4228	477863.09, 3856377.25	1.44E-04	4.54E-08	1.93E-08	1.47E-04	4.63E-08	1.96E-08	1.47E-04	4.63E-08	1.96E-08
4229	478363.09, 3856377.25	1.15E-04	3.63E-08	1.54E-08	1.17E-04	3.70E-08	1.57E-08	1.17E-04	3.70E-08	1.57E-08
4230	478863.09, 3856377.25	2.75E-04	8.68E-08	3.68E-08	2.81E-04	8.85E-08	3.76E-08	2.80E-04	8.84E-08	3.75E-08
4231	479363.09, 3856377.25	3.56E-04	1.12E-07	4.76E-08	3.63E-04	1.15E-07	4.86E-08	3.62E-04	1.14E-07	4.85E-08
4232	479863.09, 3856377.25	5.30E-04	1.67E-07	7.10E-08	5.41E-04	1.71E-07	7.24E-08	5.40E-04	1.71E-07	7.24E-08
4233	480363.09, 3856377.25	6.80E-04	2.15E-07	9.10E-08	6.94E-04	2.19E-07	9.29E-08	6.93E-04	2.19E-07	9.28E-08
4234	480863.09, 3856377.25	7.66E-04	2.42E-07	1.03E-07	7.81E-04	2.47E-07	1.05E-07	7.81E-04	2.46E-07	1.05E-07
4235	481363.09, 3856377.25	8.22E-04	2.59E-07	1.10E-07	8.39E-04	2.65E-07	1.12E-07	8.38E-04	2.64E-07	1.12E-07
4236	481863.09, 3856377.25	8.55E-04	2.70E-07	1.14E-07	8.72E-04	2.75E-07	1.17E-07	8.71E-04	2.75E-07	1.17E-07
4237	482363.09, 3856377.25	8.48E-04	2.68E-07	1.14E-07	8.65E-04	2.73E-07	1.16E-07	8.64E-04	2.73E-07	1.16E-07
4238	482863.09, 3856377.25	8.50E-04	2.68E-07	1.14E-07	8.68E-04	2.74E-07	1.16E-07	8.67E-04	2.74E-07	1.16E-07
4239	483363.09, 3856377.25	8.68E-04	2.74E-07	1.16E-07	8.86E-04	2.80E-07	1.19E-07	8.85E-04	2.79E-07	1.18E-07
4240	483863.09, 3856377.25	8.83E-04	2.79E-07	1.18E-07	9.01E-04	2.84E-07	1.21E-07	8.99E-04	2.84E-07	1.20E-07
4241	484363.09, 3856377.25	9.04E-04	2.85E-07	1.21E-07	9.22E-04	2.91E-07	1.24E-07	9.21E-04	2.91E-07	1.23E-07
4242	484863.09, 3856377.25	9.30E-04	2.94E-07	1.25E-07	9.49E-04	3.00E-07	1.27E-07	9.48E-04	2.99E-07	1.27E-07
4243	485363.09, 3856377.25	9.36E-04	2.95E-07	1.25E-07	9.55E-04	3.01E-07	1.28E-07	9.54E-04	3.01E-07	1.28E-07
4244	485863.09, 3856377.25	9.21E-04	2.91E-07	1.23E-07	9.40E-04	2.97E-07	1.26E-07	9.39E-04	2.96E-07	1.26E-07
4245	486363.09, 3856377.25	9.04E-04	2.85E-07	1.21E-07	9.23E-04	2.91E-07	1.24E-07	9.22E-04	2.91E-07	1.23E-07
4246	486863.09, 3856377.25	8.89E-04	2.81E-07	1.19E-07	9.07E-04	2.86E-07	1.21E-07	9.06E-04	2.86E-07	1.21E-07
4247	487363.09, 3856377.25	8.88E-04	2.80E-07	1.19E-07	9.06E-04	2.86E-07	1.21E-07	9.05E-04	2.86E-07	1.21E-07
4248	487863.09, 3856377.25	8.98E-04	2.83E-07	1.20E-07	9.16E-04	2.89E-07	1.23E-07	9.15E-04	2.89E-07	1.23E-07
4249	488363.09, 3856377.25	8.94E-04	2.82E-07	1.20E-07	9.12E-04	2.88E-07	1.22E-07	9.11E-04	2.88E-07	1.22E-07
4250	488863.09, 3856377.25	9.16E-04	2.89E-07	1.23E-07	9.35E-04	2.95E-07	1.25E-07	9.34E-04	2.95E-07	1.25E-07
4251	489363.09, 3856377.25	9.20E-04	2.90E-07	1.23E-07	9.39E-04	2.96E-07	1.26E-07	9.38E-04	2.96E-07	1.26E-07
4252	489863.09, 3856377.25	9.09E-04	2.87E-07	1.22E-07	9.28E-04	2.93E-07	1.24E-07	9.27E-04	2.93E-07	1.24E-07
4253	490363.09, 3856377.25	8.86E-04	2.80E-07	1.19E-07	9.04E-04	2.85E-07	1.21E-07	9.03E-04	2.85E-07	1.21E-07
4254	490863.09, 3856377.25	8.53E-04	2.69E-07	1.14E-07	8.70E-04	2.75E-07	1.17E-07	8.69E-04	2.74E-07	1.16E-07
4255	491363.09, 3856377.25	8.24E-04	2.60E-07	1.10E-07	8.41E-04	2.65E-07	1.13E-07	8.40E-04	2.65E-07	1.12E-07
4256	491863.09, 3856377.25	7.93E-04	2.50E-07	1.06E-07	8.09E-04	2.55E-07	1.08E-07	8.08E-04	2.55E-07	1.08E-07
4257	492363.09, 3856377.25	7.53E-04	2.38E-07	1.01E-07	7.68E-04	2.42E-07	1.03E-07	7.67E-04	2.42E-07	1.03E-07
4258	492863.09, 3856377.25	6.86E-04	2.17E-07	9.19E-08	7.00E-04	2.21E-07	9.37E-08	6.99E-04	2.21E-07	9.36E-08
4259	493363.09, 3856377.25	5.27E-04	1.66E-07	7.05E-08	5.37E-04	1.70E-07	7.20E-08	5.37E-04	1.69E-07	7.19E-08
4260	493863.09, 3856377.25	4.44E-04	1.40E-07	5.94E-08	4.53E-04	1.43E-07	6.06E-08	4.52E-04	1.43E-07	6.06E-08
4261	494363.09, 3856377.25	3.43E-04	1.08E-07	4.59E-08	3.50E-04	1.10E-07	4.68E-08	3.49E-04	1.10E-07	4.68E-08
4262	494863.09, 3856377.25	2.75E-04	8.67E-08	3.68E-08	2.80E-04	8.84E-08	3.75E-08	2.80E-04	8.83E-08	3.75E-08
4263	495363.09, 3856377.25	2.40E-04	7.57E-08	3.21E-08	2.45E-04	7.72E-08	3.28E-08	2.44E-04	7.72E-08	3.27E-08
4264	495863.09, 3856377.25	2.44E-04	7.69E-08	3.26E-08	2.49E-04	7.85E-08	3.33E-08	2.48E-04	7.84E-08	3.33E-08
4265	496363.09, 3856377.25	2.59E-04	8.17E-08	3.46E-08	2.64E-04	8.33E-08	3.54E-08	2.64E-04	8.32E-08	3.53E-08
4266	496863.09, 3856377.25	2.91E-04	9.19E-08	3.90E-08	2.97E-04	9.38E-08	3.98E-08	2.97E-04	9.37E-08	3.97E-08
4267	497363.09, 3856377.25	3.23E-04	1.02E-07	4.32E-08	3.29E-04	1.04E-07	4.41E-08	3.29E-04	1.04E-07	4.40E-08
4268	497863.09, 3856377.25	3.67E-04	1.16E-07	4.91E-08	3.74E-04	1.18E-07	5.01E-08	3.74E-04	1.18E-07	5.00E-08
4269	498363.09, 3856377.25	4.21E-04	1.33E-07	5.64E-08	4.30E-04	1.36E-07	5.76E-08	4.29E-04	1.36E-07	5.75E-08
4270	471363.09, 3856877.25	3.50E-04	1.10E-07	4.68E-08	3.57E-04	1.13E-07	4.78E-08	3.56E-04	1.13E-07	4.77E-08
4271	471863.09, 3856877.25	3.59E-04	1.13E-07	4.81E-08	3.67E-04	1.16E-07	4.91E-08	3.66E-04	1.16E-07	4.91E-08
4272	472363.09, 3856877.25	3.79E-04	1.20E-07	5.07E-08	3.87E-04	1.22E-07	5.18E-08	3.86E-04	1.22E-07	5.17E-08
4273	472863.09, 3856877.25	3.97E-04	1.25E-07	5.31E-08	4.05E-04	1.28E-07	5.42E-08	4.04E-04	1.28E-07	5.41E-08
4274	473363.09, 3856877.25	4.30E-04	1.36E-07	5.76E-08	4.39E-04	1.38E-07	5.87E-08	4.38E-04	1.38E-07	5.87E-08

4275	473863.09, 3856877.25	4.49E-04	1.42E-07	6.01E-08	4.58E-04	1.45E-07	6.13E-08	4.57E-04	1.44E-07	6.13E-08
4276	474363.09, 3856877.25	4.38E-04	1.38E-07	5.86E-08	4.47E-04	1.41E-07	5.98E-08	4.46E-04	1.41E-07	5.98E-08
4277	474863.09, 3856877.25	4.10E-04	1.29E-07	5.49E-08	4.18E-04	1.32E-07	5.60E-08	4.18E-04	1.32E-07	5.59E-08
4278	475363.09, 3856877.25	3.49E-04	1.10E-07	4.68E-08	3.57E-04	1.13E-07	4.78E-08	3.56E-04	1.12E-07	4.77E-08
4279	475863.09, 3856877.25	3.41E-04	1.08E-07	4.57E-08	3.48E-04	1.10E-07	4.66E-08	3.48E-04	1.10E-07	4.66E-08
4280	476363.09, 3856877.25	2.89E-04	9.13E-08	3.87E-08	2.95E-04	9.32E-08	3.95E-08	2.95E-04	9.31E-08	3.95E-08
4281	476863.09, 3856877.25	2.71E-04	8.54E-08	3.62E-08	2.76E-04	8.71E-08	3.70E-08	2.76E-04	8.70E-08	3.69E-08
4282	477363.09, 3856877.25	2.25E-04	7.11E-08	3.01E-08	2.30E-04	7.25E-08	3.08E-08	2.29E-04	7.24E-08	3.07E-08
4283	477863.09, 3856877.25	1.29E-04	4.08E-08	1.73E-08	1.32E-04	4.17E-08	1.77E-08	1.32E-04	4.16E-08	1.77E-08
4284	478363.09, 3856877.25	1.03E-04	3.25E-08	1.38E-08	1.05E-04	3.31E-08	1.41E-08	1.05E-04	3.31E-08	1.40E-08
4285	478863.09, 3856877.25	1.37E-04	4.33E-08	1.84E-08	1.40E-04	4.42E-08	1.88E-08	1.40E-04	4.42E-08	1.87E-08
4286	479363.09, 3856877.25	1.96E-04	6.18E-08	2.62E-08	2.00E-04	6.31E-08	2.68E-08	2.00E-04	6.30E-08	2.67E-08
4287	479863.09, 3856877.25	4.62E-04	1.46E-07	6.19E-08	4.71E-04	1.49E-07	6.31E-08	4.71E-04	1.49E-07	6.31E-08
4288	480363.09, 3856877.25	6.06E-04	1.91E-07	8.12E-08	6.19E-04	1.95E-07	8.29E-08	6.18E-04	1.95E-07	8.28E-08
4289	480863.09, 3856877.25	7.05E-04	2.22E-07	9.43E-08	7.19E-04	2.27E-07	9.63E-08	7.18E-04	2.27E-07	9.62E-08
4290	481363.09, 3856877.25	7.50E-04	2.37E-07	1.00E-07	7.65E-04	2.42E-07	1.02E-07	7.64E-04	2.41E-07	1.02E-07
4291	481863.09, 3856877.25	7.75E-04	2.45E-07	1.04E-07	7.91E-04	2.50E-07	1.06E-07	7.90E-04	2.49E-07	1.06E-07
4292	482363.09, 3856877.25	7.73E-04	2.44E-07	1.04E-07	7.89E-04	2.49E-07	1.06E-07	7.88E-04	2.49E-07	1.06E-07
4293	482863.09, 3856877.25	7.70E-04	2.43E-07	1.03E-07	7.86E-04	2.48E-07	1.05E-07	7.85E-04	2.48E-07	1.05E-07
4294	483363.09, 3856877.25	7.81E-04	2.46E-07	1.05E-07	7.97E-04	2.51E-07	1.07E-07	7.96E-04	2.51E-07	1.07E-07
4295	483863.09, 3856877.25	7.91E-04	2.50E-07	1.06E-07	8.07E-04	2.55E-07	1.08E-07	8.06E-04	2.54E-07	1.08E-07
4296	484363.09, 3856877.25	8.05E-04	2.54E-07	1.08E-07	8.22E-04	2.59E-07	1.10E-07	8.21E-04	2.59E-07	1.10E-07
4297	484863.09, 3856877.25	8.42E-04	2.66E-07	1.13E-07	8.59E-04	2.71E-07	1.15E-07	8.58E-04	2.71E-07	1.15E-07
4298	485363.09, 3856877.25	8.83E-04	2.79E-07	1.18E-07	9.01E-04	2.84E-07	1.21E-07	9.00E-04	2.84E-07	1.21E-07
4299	485863.09, 3856877.25	9.00E-04	2.84E-07	1.21E-07	9.19E-04	2.90E-07	1.23E-07	9.17E-04	2.90E-07	1.23E-07
4300	486363.09, 3856877.25	8.43E-04	2.66E-07	1.13E-07	8.60E-04	2.71E-07	1.15E-07	8.59E-04	2.71E-07	1.15E-07
4301	486863.09, 3856877.25	8.81E-04	2.78E-07	1.18E-07	8.99E-04	2.84E-07	1.20E-07	8.98E-04	2.83E-07	1.20E-07
4302	487363.09, 3856877.25	9.05E-04	2.86E-07	1.21E-07	9.23E-04	2.91E-07	1.24E-07	9.22E-04	2.91E-07	1.24E-07
4303	487863.09, 3856877.25	9.18E-04	2.90E-07	1.23E-07	9.37E-04	2.96E-07	1.25E-07	9.36E-04	2.95E-07	1.25E-07
4304	488363.09, 3856877.25	9.10E-04	2.87E-07	1.22E-07	9.29E-04	2.93E-07	1.24E-07	9.28E-04	2.93E-07	1.24E-07
4305	488863.09, 3856877.25	8.97E-04	2.83E-07	1.20E-07	9.15E-04	2.89E-07	1.23E-07	9.14E-04	2.88E-07	1.22E-07
4306	489363.09, 3856877.25	8.95E-04	2.83E-07	1.20E-07	9.14E-04	2.88E-07	1.22E-07	9.13E-04	2.88E-07	1.22E-07
4307	489863.09, 3856877.25	8.89E-04	2.80E-07	1.19E-07	9.07E-04	2.86E-07	1.21E-07	9.06E-04	2.86E-07	1.21E-07
4308	490363.09, 3856877.25	8.69E-04	2.74E-07	1.16E-07	8.87E-04	2.80E-07	1.19E-07	8.86E-04	2.80E-07	1.19E-07
4309	490863.09, 3856877.25	8.56E-04	2.70E-07	1.15E-07	8.74E-04	2.76E-07	1.17E-07	8.73E-04	2.75E-07	1.17E-07
4310	491363.09, 3856877.25	8.30E-04	2.62E-07	1.11E-07	8.47E-04	2.67E-07	1.13E-07	8.46E-04	2.67E-07	1.13E-07
4311	491863.09, 3856877.25	8.02E-04	2.53E-07	1.07E-07	8.19E-04	2.58E-07	1.10E-07	8.18E-04	2.58E-07	1.10E-07
4312	492363.09, 3856877.25	7.11E-04	2.24E-07	9.52E-08	7.26E-04	2.29E-07	9.72E-08	7.25E-04	2.29E-07	9.70E-08
4313	492863.09, 3856877.25	6.31E-04	1.99E-07	8.46E-08	6.44E-04	2.03E-07	8.63E-08	6.44E-04	2.03E-07	8.62E-08
4314	493363.09, 3856877.25	5.29E-04	1.67E-07	7.08E-08	5.39E-04	1.70E-07	7.22E-08	5.39E-04	1.70E-07	7.21E-08
4315	493863.09, 3856877.25	4.06E-04	1.28E-07	5.44E-08	4.15E-04	1.31E-07	5.55E-08	4.14E-04	1.31E-07	5.55E-08
4316	494363.09, 3856877.25	3.17E-04	1.00E-07	4.25E-08	3.24E-04	1.02E-07	4.34E-08	3.23E-04	1.02E-07	4.33E-08
4317	494863.09, 3856877.25	2.89E-04	9.12E-08	3.87E-08	2.95E-04	9.31E-08	3.95E-08	2.95E-04	9.30E-08	3.95E-08
4318	495363.09, 3856877.25	2.80E-04	8.84E-08	3.75E-08	2.86E-04	9.02E-08	3.83E-08	2.85E-04	9.00E-08	3.82E-08
4319	495863.09, 3856877.25	2.91E-04	9.18E-08	3.89E-08	2.97E-04	9.37E-08	3.97E-08	2.96E-04	9.36E-08	3.97E-08
4320	496363.09, 3856877.25	3.05E-04	9.63E-08	4.08E-08	3.11E-04	9.82E-08	4.17E-08	3.11E-04	9.81E-08	4.16E-08
4321	496863.09, 3856877.25	3.29E-04	1.04E-07	4.40E-08	3.36E-04	1.06E-07	4.49E-08	3.35E-04	1.06E-07	4.49E-08
4322	497363.09, 3856877.25	3.64E-04	1.15E-07	4.87E-08	3.71E-04	1.17E-07	4.97E-08	3.71E-04	1.17E-07	4.97E-08
4323	497863.09, 3856877.25	4.26E-04	1.34E-07	5.71E-08	4.35E-04	1.37E-07	5.82E-08	4.34E-04	1.37E-07	5.82E-08
4324	498363.09, 3856877.25	4.99E-04	1.58E-07	6.68E-08	5.09E-04	1.61E-07	6.82E-08	5.09E-04	1.61E-07	6.81E-08
4325	471363.09, 3857377.25	3.42E-04	1.08E-07	4.58E-08	3.49E-04	1.10E-07	4.67E-08	3.48E-04	1.10E-07	4.67E-08
4326	471863.09, 3857377.25	3.49E-04	1.10E-07	4.68E-08	3.57E-04	1.13E-07	4.78E-08	3.56E-04	1.12E-07	4.77E-08
4327	472363.09, 3857377.25	3.63E-04	1.15E-07	4.86E-08	3.70E-04	1.17E-07	4.96E-08	3.70E-04	1.17E-07	4.95E-08
4328	472863.09, 3857377.25	3.80E-04	1.20E-07	5.08E-08	3.87E-04	1.22E-07	5.19E-08	3.87E-04	1.22E-07	5.18E-08
4329	473363.09, 3857377.25	4.02E-04	1.27E-07	5.38E-08	4.10E-04	1.29E-07	5.49E-08	4.09E-04	1.29E-07	5.48E-08
4330	473863.09, 3857377.25	4.29E-04	1.35E-07	5.74E-08	4.37E-04	1.38E-07	5.86E-08	4.37E-04	1.38E-07	5.85E-08
4331	474363.09, 3857377.25	4.08E-04	1.29E-07	5.47E-08	4.17E-04	1.32E-07	5.58E-08	4.16E-04	1.31E-07	5.57E-08
4332	474863.09, 3857377.25	3.25E-04	1.02E-07	4.35E-08	3.31E-04	1.05E-07	4.44E-08	3.31E-04	1.04E-07	4.43E-08
4333	475363.09, 3857377.25	2.17E-04	6.84E-08	2.90E-08	2.21E-04	6.98E-08	2.96E-08	2.21E-04	6.98E-08	2.96E-08
4334	475863.09, 3857377.25	1.92E-04	6.07E-08	2.58E-08	1.96E-04	6.20E-08	2.63E-08	1.96E-04	6.19E-08	2.63E-08
4335	476363.09, 3857377.25	2.55E-04	8.04E-08	3.41E-08	2.60E-04	8.21E-08	3.48E-08	2.60E-04	8.20E-08	3.48E-08
4336	476863.09, 3857377.25	2.66E-04	8.39E-08	3.56E-08	2.71E-04	8.56E-08	3.63E-08	2.71E-04	8.55E-08	3.63E-08

4337	477363.09, 3857377.25	2.23E-04	7.05E-08	2.99E-08	2.28E-04	7.19E-08	3.05E-08	2.28E-04	7.18E-08	3.05E-08
4338	477863.09, 3857377.25	1.51E-04	4.76E-08	2.02E-08	1.54E-04	4.86E-08	2.06E-08	1.54E-04	4.85E-08	2.06E-08
4339	478363.09, 3857377.25	9.96E-05	3.14E-08	1.33E-08	1.02E-04	3.21E-08	1.36E-08	1.02E-04	3.20E-08	1.36E-08
4340	478863.09, 3857377.25	7.75E-05	2.45E-08	1.04E-08	7.91E-05	2.50E-08	1.06E-08	7.90E-05	2.49E-08	1.06E-08
4341	479363.09, 3857377.25	1.41E-04	4.45E-08	1.89E-08	1.44E-04	4.55E-08	1.93E-08	1.44E-04	4.54E-08	1.93E-08
4342	479863.09, 3857377.25	3.84E-04	1.21E-07	5.14E-08	3.91E-04	1.24E-07	5.24E-08	3.91E-04	1.23E-07	5.24E-08
4343	480363.09, 3857377.25	3.14E-04	9.92E-08	4.21E-08	3.21E-04	1.01E-07	4.30E-08	3.20E-04	1.01E-07	4.29E-08
4344	480863.09, 3857377.25	6.44E-04	2.03E-07	8.63E-08	6.57E-04	2.07E-07	8.80E-08	6.57E-04	2.07E-07	8.79E-08
4345	481363.09, 3857377.25	6.44E-04	2.03E-07	8.62E-08	6.57E-04	2.07E-07	8.80E-08	6.56E-04	2.07E-07	8.79E-08
4346	481863.09, 3857377.25	6.82E-04	2.15E-07	9.14E-08	6.96E-04	2.20E-07	9.33E-08	6.96E-04	2.20E-07	9.31E-08
4347	482363.09, 3857377.25	7.15E-04	2.26E-07	9.57E-08	7.29E-04	2.30E-07	9.77E-08	7.29E-04	2.30E-07	9.76E-08
4348	482863.09, 3857377.25	7.23E-04	2.28E-07	9.68E-08	7.38E-04	2.33E-07	9.88E-08	7.37E-04	2.33E-07	9.87E-08
4349	483363.09, 3857377.25	7.38E-04	2.33E-07	9.88E-08	7.53E-04	2.38E-07	1.01E-07	7.52E-04	2.37E-07	1.01E-07
4350	483863.09, 3857377.25	7.55E-04	2.38E-07	1.01E-07	7.70E-04	2.43E-07	1.03E-07	7.69E-04	2.43E-07	1.03E-07
4351	484363.09, 3857377.25	7.61E-04	2.40E-07	1.02E-07	7.77E-04	2.45E-07	1.04E-07	7.76E-04	2.45E-07	1.04E-07
4352	484863.09, 3857377.25	7.79E-04	2.46E-07	1.04E-07	7.95E-04	2.51E-07	1.06E-07	7.94E-04	2.51E-07	1.06E-07
4353	485363.09, 3857377.25	8.12E-04	2.56E-07	1.09E-07	8.29E-04	2.62E-07	1.11E-07	8.28E-04	2.61E-07	1.11E-07
4354	485863.09, 3857377.25	8.63E-04	2.72E-07	1.16E-07	8.80E-04	2.78E-07	1.18E-07	8.79E-04	2.78E-07	1.18E-07
4355	486363.09, 3857377.25	9.18E-04	2.90E-07	1.23E-07	9.37E-04	2.96E-07	1.26E-07	9.36E-04	2.95E-07	1.25E-07
4356	486863.09, 3857377.25	8.86E-04	2.80E-07	1.19E-07	9.04E-04	2.85E-07	1.21E-07	9.03E-04	2.85E-07	1.21E-07
4357	487363.09, 3857377.25	9.46E-04	2.98E-07	1.27E-07	9.65E-04	3.05E-07	1.29E-07	9.64E-04	3.04E-07	1.29E-07
4358	487863.09, 3857377.25	1.01E-03	3.19E-07	1.35E-07	1.03E-03	3.25E-07	1.38E-07	1.03E-03	3.25E-07	1.38E-07
4359	488363.09, 3857377.25	1.03E-03	3.24E-07	1.37E-07	1.05E-03	3.30E-07	1.40E-07	1.05E-03	3.30E-07	1.40E-07
4360	488863.09, 3857377.25	1.02E-03	3.23E-07	1.37E-07	1.04E-03	3.30E-07	1.40E-07	1.04E-03	3.29E-07	1.40E-07
4361	489363.09, 3857377.25	9.73E-04	3.07E-07	1.30E-07	9.93E-04	3.13E-07	1.33E-07	9.92E-04	3.13E-07	1.33E-07
4362	489863.09, 3857377.25	9.31E-04	2.94E-07	1.25E-07	9.50E-04	3.00E-07	1.27E-07	9.48E-04	2.99E-07	1.27E-07
4363	490363.09, 3857377.25	9.08E-04	2.87E-07	1.22E-07	9.27E-04	2.92E-07	1.24E-07	9.26E-04	2.92E-07	1.24E-07
4364	490863.09, 3857377.25	9.03E-04	2.85E-07	1.21E-07	9.22E-04	2.91E-07	1.23E-07	9.20E-04	2.91E-07	1.23E-07
4365	491363.09, 3857377.25	9.11E-04	2.87E-07	1.22E-07	9.29E-04	2.93E-07	1.24E-07	9.28E-04	2.93E-07	1.24E-07
4366	491863.09, 3857377.25	8.79E-04	2.77E-07	1.18E-07	8.97E-04	2.83E-07	1.20E-07	8.96E-04	2.83E-07	1.20E-07
4367	492363.09, 3857377.25	7.48E-04	2.36E-07	1.00E-07	7.64E-04	2.41E-07	1.02E-07	7.63E-04	2.41E-07	1.02E-07
4368	492863.09, 3857377.25	6.24E-04	1.97E-07	8.35E-08	6.37E-04	2.01E-07	8.52E-08	6.36E-04	2.01E-07	8.51E-08
4369	493363.09, 3857377.25	4.86E-04	1.53E-07	6.51E-08	4.96E-04	1.56E-07	6.64E-08	4.95E-04	1.56E-07	6.63E-08
4370	493863.09, 3857377.25	4.39E-04	1.39E-07	5.88E-08	4.48E-04	1.41E-07	6.00E-08	4.48E-04	1.41E-07	6.00E-08
4371	494363.09, 3857377.25	3.93E-04	1.24E-07	5.26E-08	4.01E-04	1.27E-07	5.37E-08	4.00E-04	1.26E-07	5.36E-08
4372	494863.09, 3857377.25	3.81E-04	1.20E-07	5.10E-08	3.89E-04	1.23E-07	5.21E-08	3.88E-04	1.23E-07	5.20E-08
4373	495363.09, 3857377.25	3.73E-04	1.18E-07	4.99E-08	3.80E-04	1.20E-07	5.09E-08	3.80E-04	1.20E-07	5.09E-08
4374	495863.09, 3857377.25	3.84E-04	1.21E-07	5.14E-08	3.91E-04	1.24E-07	5.24E-08	3.91E-04	1.23E-07	5.24E-08
4375	496363.09, 3857377.25	3.98E-04	1.26E-07	5.33E-08	4.06E-04	1.28E-07	5.44E-08	4.05E-04	1.28E-07	5.43E-08
4376	496863.09, 3857377.25	4.15E-04	1.31E-07	5.56E-08	4.23E-04	1.34E-07	5.67E-08	4.23E-04	1.33E-07	5.66E-08
4377	497363.09, 3857377.25	4.48E-04	1.41E-07	6.00E-08	4.57E-04	1.44E-07	6.12E-08	4.56E-04	1.44E-07	6.11E-08
4378	497863.09, 3857377.25	4.98E-04	1.57E-07	6.67E-08	5.08E-04	1.60E-07	6.80E-08	5.08E-04	1.60E-07	6.80E-08
4379	498363.09, 3857377.25	6.10E-04	1.92E-07	8.16E-08	6.22E-04	1.96E-07	8.33E-08	6.21E-04	1.96E-07	8.32E-08
4380	471363.09, 3857877.25	3.28E-04	1.03E-07	4.39E-08	3.34E-04	1.06E-07	4.48E-08	3.34E-04	1.05E-07	4.47E-08
4381	471863.09, 3857877.25	3.37E-04	1.06E-07	4.51E-08	3.44E-04	1.08E-07	4.60E-08	3.43E-04	1.08E-07	4.60E-08
4382	472363.09, 3857877.25	3.49E-04	1.10E-07	4.68E-08	3.56E-04	1.12E-07	4.77E-08	3.56E-04	1.12E-07	4.77E-08
4383	472863.09, 3857877.25	3.69E-04	1.17E-07	4.94E-08	3.77E-04	1.19E-07	5.05E-08	3.76E-04	1.19E-07	5.04E-08
4384	473363.09, 3857877.25	3.82E-04	1.21E-07	5.12E-08	3.90E-04	1.23E-07	5.22E-08	3.90E-04	1.23E-07	5.22E-08
4385	473863.09, 3857877.25	4.01E-04	1.26E-07	5.37E-08	4.09E-04	1.29E-07	5.48E-08	4.08E-04	1.29E-07	5.47E-08
4386	474363.09, 3857877.25	3.74E-04	1.18E-07	5.01E-08	3.82E-04	1.21E-07	5.11E-08	3.81E-04	1.20E-07	5.11E-08
4387	474863.09, 3857877.25	2.89E-04	9.13E-08	3.87E-08	2.95E-04	9.32E-08	3.95E-08	2.95E-04	9.31E-08	3.95E-08
4388	475363.09, 3857877.25	1.52E-04	4.80E-08	2.04E-08	1.55E-04	4.90E-08	2.08E-08	1.55E-04	4.89E-08	2.08E-08
4389	475863.09, 3857877.25	5.30E-05	1.67E-08	7.10E-09	5.41E-05	1.71E-08	7.25E-09	5.41E-05	1.71E-08	7.24E-09
4390	476363.09, 3857877.25	1.68E-04	5.29E-08	2.25E-08	1.71E-04	5.40E-08	2.29E-08	1.71E-04	5.39E-08	2.29E-08
4391	476863.09, 3857877.25	2.09E-04	6.58E-08	2.79E-08	2.13E-04	6.72E-08	2.85E-08	2.13E-04	6.71E-08	2.85E-08
4392	477363.09, 3857877.25	1.99E-04	6.29E-08	2.67E-08	2.03E-04	6.42E-08	2.72E-08	2.03E-04	6.41E-08	2.72E-08
4393	477863.09, 3857877.25	1.84E-04	5.79E-08	2.46E-08	1.87E-04	5.91E-08	2.51E-08	1.87E-04	5.91E-08	2.51E-08
4394	478363.09, 3857877.25	8.25E-05	2.60E-08	1.10E-08	8.42E-05	2.66E-08	1.13E-08	8.41E-05	2.65E-08	1.13E-08
4395	478863.09, 3857877.25	6.22E-05	1.96E-08	8.33E-09	6.34E-05	2.00E-08	8.50E-09	6.34E-05	2.00E-08	8.49E-09
4396	479363.09, 3857877.25	3.54E-04	1.12E-07	4.74E-08	3.61E-04	1.14E-07	4.83E-08	3.60E-04	1.14E-07	4.83E-08
4397	479863.09, 3857877.25	5.27E-04	1.66E-07	7.06E-08	5.38E-04	1.70E-07	7.21E-08	5.38E-04	1.70E-07	7.20E-08
4398	480363.09, 3857877.25	5.79E-04	1.83E-07	7.75E-08	5.91E-04	1.86E-07	7.91E-08	5.90E-04	1.86E-07	7.90E-08

4399	480863.09, 3857877.25	5.90E-04	1.86E-07	7.90E-08	6.02E-04	1.90E-07	8.06E-08	6.01E-04	1.90E-07	8.05E-08
4400	481363.09, 3857877.25	6.08E-04	1.92E-07	8.15E-08	6.21E-04	1.96E-07	8.31E-08	6.20E-04	1.96E-07	8.30E-08
4401	481863.09, 3857877.25	6.28E-04	1.98E-07	8.41E-08	6.41E-04	2.02E-07	8.58E-08	6.40E-04	2.02E-07	8.57E-08
4402	482363.09, 3857877.25	6.64E-04	2.09E-07	8.89E-08	6.77E-04	2.14E-07	9.07E-08	6.76E-04	2.13E-07	9.06E-08
4403	482863.09, 3857877.25	6.79E-04	2.14E-07	9.10E-08	6.93E-04	2.19E-07	9.29E-08	6.93E-04	2.19E-07	9.27E-08
4404	483363.09, 3857877.25	7.02E-04	2.21E-07	9.40E-08	7.16E-04	2.26E-07	9.59E-08	7.15E-04	2.26E-07	9.58E-08
4405	483863.09, 3857877.25	7.30E-04	2.30E-07	9.78E-08	7.45E-04	2.35E-07	9.98E-08	7.44E-04	2.35E-07	9.97E-08
4406	484363.09, 3857877.25	7.53E-04	2.38E-07	1.01E-07	7.69E-04	2.43E-07	1.03E-07	7.68E-04	2.42E-07	1.03E-07
4407	484863.09, 3857877.25	7.83E-04	2.47E-07	1.05E-07	7.99E-04	2.52E-07	1.07E-07	7.98E-04	2.52E-07	1.07E-07
4408	485363.09, 3857877.25	8.20E-04	2.59E-07	1.10E-07	8.37E-04	2.64E-07	1.12E-07	8.36E-04	2.64E-07	1.12E-07
4409	485863.09, 3857877.25	8.55E-04	2.70E-07	1.14E-07	8.72E-04	2.75E-07	1.17E-07	8.71E-04	2.75E-07	1.17E-07
4410	486363.09, 3857877.25	9.04E-04	2.85E-07	1.21E-07	9.22E-04	2.91E-07	1.24E-07	9.21E-04	2.91E-07	1.23E-07
4411	486863.09, 3857877.25	1.01E-03	3.18E-07	1.35E-07	1.03E-03	3.24E-07	1.37E-07	1.03E-03	3.24E-07	1.37E-07
4412	487363.09, 3857877.25	1.12E-03	3.54E-07	1.50E-07	1.15E-03	3.62E-07	1.53E-07	1.14E-03	3.61E-07	1.53E-07
4413	487863.09, 3857877.25	1.20E-03	3.77E-07	1.60E-07	1.22E-03	3.85E-07	1.63E-07	1.22E-03	3.84E-07	1.63E-07
4414	488363.09, 3857877.25	1.32E-03	4.16E-07	1.76E-07	1.34E-03	4.24E-07	1.80E-07	1.34E-03	4.24E-07	1.80E-07
4415	488863.09, 3857877.25	1.36E-03	4.31E-07	1.83E-07	1.39E-03	4.39E-07	1.86E-07	1.39E-03	4.39E-07	1.86E-07
4416	489363.09, 3857877.25	1.25E-03	3.94E-07	1.67E-07	1.27E-03	4.02E-07	1.71E-07	1.27E-03	4.02E-07	1.70E-07
4417	489863.09, 3857877.25	1.15E-03	3.64E-07	1.55E-07	1.18E-03	3.72E-07	1.58E-07	1.18E-03	3.71E-07	1.57E-07
4418	490363.09, 3857877.25	1.14E-03	3.59E-07	1.53E-07	1.16E-03	3.67E-07	1.56E-07	1.16E-03	3.66E-07	1.55E-07
4419	490863.09, 3857877.25	1.18E-03	3.71E-07	1.58E-07	1.20E-03	3.79E-07	1.61E-07	1.20E-03	3.78E-07	1.61E-07
4420	491363.09, 3857877.25	1.12E-03	3.53E-07	1.50E-07	1.14E-03	3.60E-07	1.53E-07	1.14E-03	3.60E-07	1.53E-07
4421	491863.09, 3857877.25	1.02E-03	3.22E-07	1.36E-07	1.04E-03	3.28E-07	1.39E-07	1.04E-03	3.28E-07	1.39E-07
4422	492363.09, 3857877.25	8.37E-04	2.64E-07	1.12E-07	8.54E-04	2.70E-07	1.14E-07	8.53E-04	2.69E-07	1.14E-07
4423	492863.09, 3857877.25	6.87E-04	2.17E-07	9.20E-08	7.01E-04	2.21E-07	9.39E-08	7.00E-04	2.21E-07	9.37E-08
4424	493363.09, 3857877.25	6.33E-04	2.00E-07	8.48E-08	6.46E-04	2.04E-07	8.65E-08	6.45E-04	2.04E-07	8.64E-08
4425	493863.09, 3857877.25	6.12E-04	1.93E-07	8.20E-08	6.25E-04	1.97E-07	8.37E-08	6.24E-04	1.97E-07	8.36E-08
4426	494363.09, 3857877.25	5.94E-04	1.87E-07	7.95E-08	6.06E-04	1.91E-07	8.11E-08	6.05E-04	1.91E-07	8.10E-08
4427	494863.09, 3857877.25	5.42E-04	1.71E-07	7.26E-08	5.53E-04	1.75E-07	7.41E-08	5.53E-04	1.74E-07	7.40E-08
4428	495363.09, 3857877.25	5.35E-04	1.69E-07	7.17E-08	5.46E-04	1.72E-07	7.31E-08	5.45E-04	1.72E-07	7.30E-08
4429	495863.09, 3857877.25	5.27E-04	1.66E-07	7.05E-08	5.37E-04	1.70E-07	7.20E-08	5.37E-04	1.69E-07	7.19E-08
4430	496363.09, 3857877.25	5.41E-04	1.71E-07	7.24E-08	5.52E-04	1.74E-07	7.39E-08	5.51E-04	1.74E-07	7.38E-08
4431	496863.09, 3857877.25	5.57E-04	1.76E-07	7.46E-08	5.69E-04	1.79E-07	7.61E-08	5.68E-04	1.79E-07	7.61E-08
4432	497363.09, 3857877.25	5.61E-04	1.77E-07	7.51E-08	5.72E-04	1.81E-07	7.66E-08	5.72E-04	1.80E-07	7.65E-08
4433	497863.09, 3857877.25	6.35E-04	2.01E-07	8.51E-08	6.48E-04	2.05E-07	8.68E-08	6.48E-04	2.04E-07	8.67E-08
4434	498363.09, 3857877.25	7.06E-04	2.23E-07	9.46E-08	7.21E-04	2.27E-07	9.65E-08	7.20E-04	2.27E-07	9.64E-08
4435	471363.09, 3858377.25	3.20E-04	1.01E-07	4.29E-08	3.27E-04	1.03E-07	4.38E-08	3.26E-04	1.03E-07	4.37E-08
4436	471863.09, 3858377.25	3.29E-04	1.04E-07	4.40E-08	3.36E-04	1.06E-07	4.49E-08	3.35E-04	1.06E-07	4.49E-08
4437	472363.09, 3858377.25	3.36E-04	1.06E-07	4.50E-08	3.43E-04	1.08E-07	4.59E-08	3.43E-04	1.08E-07	4.59E-08
4438	472863.09, 3858377.25	3.49E-04	1.10E-07	4.68E-08	3.56E-04	1.12E-07	4.77E-08	3.56E-04	1.12E-07	4.77E-08
4439	473363.09, 3858377.25	3.72E-04	1.17E-07	4.98E-08	3.79E-04	1.20E-07	5.08E-08	3.79E-04	1.20E-07	5.07E-08
4440	473863.09, 3858377.25	3.72E-04	1.17E-07	4.98E-08	3.79E-04	1.20E-07	5.08E-08	3.79E-04	1.20E-07	5.08E-08
4441	474363.09, 3858377.25	3.41E-04	1.08E-07	4.57E-08	3.48E-04	1.10E-07	4.66E-08	3.48E-04	1.10E-07	4.66E-08
4442	474863.09, 3858377.25	2.84E-04	8.97E-08	3.81E-08	2.90E-04	9.16E-08	3.89E-08	2.90E-04	9.15E-08	3.88E-08
4443	475363.09, 3858377.25	1.90E-04	5.99E-08	2.54E-08	1.94E-04	6.11E-08	2.59E-08	1.93E-04	6.10E-08	2.59E-08
4444	475863.09, 3858377.25	1.26E-04	3.97E-08	1.68E-08	1.28E-04	4.05E-08	1.72E-08	1.28E-04	4.05E-08	1.72E-08
4445	476363.09, 3858377.25	1.36E-04	4.30E-08	1.82E-08	1.39E-04	4.38E-08	1.86E-08	1.39E-04	4.38E-08	1.86E-08
4446	476863.09, 3858377.25	1.48E-04	4.67E-08	1.98E-08	1.51E-04	4.76E-08	2.02E-08	1.51E-04	4.76E-08	2.02E-08
4447	477363.09, 3858377.25	1.36E-04	4.28E-08	1.82E-08	1.38E-04	4.37E-08	1.85E-08	1.38E-04	4.36E-08	1.85E-08
4448	477863.09, 3858377.25	1.85E-04	5.84E-08	2.48E-08	1.89E-04	5.96E-08	2.53E-08	1.89E-04	5.95E-08	2.53E-08
4449	478363.09, 3858377.25	1.95E-04	6.15E-08	2.61E-08	1.99E-04	6.27E-08	2.66E-08	1.99E-04	6.27E-08	2.66E-08
4450	478863.09, 3858377.25	1.20E-04	3.79E-08	1.61E-08	1.22E-04	3.86E-08	1.64E-08	1.22E-04	3.86E-08	1.64E-08
4451	479363.09, 3858377.25	3.49E-04	1.10E-07	4.68E-08	3.57E-04	1.13E-07	4.78E-08	3.56E-04	1.12E-07	4.77E-08
4452	479863.09, 3858377.25	5.00E-04	1.58E-07	6.70E-08	5.11E-04	1.61E-07	6.84E-08	5.10E-04	1.61E-07	6.83E-08
4453	480363.09, 3858377.25	5.35E-04	1.69E-07	7.17E-08	5.46E-04	1.72E-07	7.32E-08	5.46E-04	1.72E-07	7.31E-08
4454	480863.09, 3858377.25	5.44E-04	1.72E-07	7.28E-08	5.55E-04	1.75E-07	7.43E-08	5.54E-04	1.75E-07	7.42E-08
4455	481363.09, 3858377.25	5.63E-04	1.78E-07	7.54E-08	5.75E-04	1.81E-07	7.70E-08	5.74E-04	1.81E-07	7.69E-08
4456	481863.09, 3858377.25	5.69E-04	1.80E-07	7.62E-08	5.81E-04	1.83E-07	7.78E-08	5.80E-04	1.83E-07	7.77E-08
4457	482363.09, 3858377.25	5.93E-04	1.87E-07	7.94E-08	6.05E-04	1.91E-07	8.10E-08	6.04E-04	1.91E-07	8.09E-08
4458	482863.09, 3858377.25	6.34E-04	2.00E-07	8.49E-08	6.47E-04	2.04E-07	8.66E-08	6.46E-04	2.04E-07	8.65E-08
4459	483363.09, 3858377.25	6.63E-04	2.09E-07	8.88E-08	6.77E-04	2.14E-07	9.06E-08	6.76E-04	2.13E-07	9.05E-08
4460	483863.09, 3858377.25	6.94E-04	2.19E-07	9.30E-08	7.08E-04	2.24E-07	9.49E-08	7.08E-04	2.23E-07	9.48E-08

4461	484363.09, 3858377.25	7.32E-04	2.31E-07	9.81E-08	7.47E-04	2.36E-07	1.00E-07	7.46E-04	2.36E-07	9.99E-08
4462	484863.09, 3858377.25	7.77E-04	2.45E-07	1.04E-07	7.93E-04	2.50E-07	1.06E-07	7.92E-04	2.50E-07	1.06E-07
4463	485363.09, 3858377.25	8.38E-04	2.64E-07	1.12E-07	8.55E-04	2.70E-07	1.15E-07	8.54E-04	2.70E-07	1.14E-07
4464	485863.09, 3858377.25	9.15E-04	2.89E-07	1.22E-07	9.33E-04	2.95E-07	1.25E-07	9.32E-04	2.94E-07	1.25E-07
4465	486363.09, 3858377.25	1.00E-03	3.16E-07	1.34E-07	1.02E-03	3.23E-07	1.37E-07	1.02E-03	3.22E-07	1.37E-07
4466	486863.09, 3858377.25	1.10E-03	3.48E-07	1.48E-07	1.12E-03	3.55E-07	1.51E-07	1.12E-03	3.55E-07	1.50E-07
4467	487363.09, 3858377.25	1.24E-03	3.90E-07	1.66E-07	1.26E-03	3.98E-07	1.69E-07	1.26E-03	3.98E-07	1.69E-07
4468	487863.09, 3858377.25	1.54E-03	4.87E-07	2.07E-07	1.58E-03	4.97E-07	2.11E-07	1.57E-03	4.97E-07	2.11E-07
4469	488363.09, 3858377.25	1.99E-03	6.28E-07	2.66E-07	2.03E-03	6.40E-07	2.72E-07	2.03E-03	6.40E-07	2.71E-07
4470	488863.09, 3858377.25	2.24E-03	7.08E-07	3.00E-07	2.29E-03	7.22E-07	3.06E-07	2.29E-03	7.21E-07	3.06E-07
4471	489363.09, 3858377.25	2.15E-03	6.78E-07	2.88E-07	2.19E-03	6.92E-07	2.94E-07	2.19E-03	6.91E-07	2.93E-07
4472	489863.09, 3858377.25	2.14E-03	6.74E-07	2.86E-07	2.18E-03	6.88E-07	2.92E-07	2.18E-03	6.87E-07	2.92E-07
4473	490363.09, 3858377.25	2.21E-03	6.97E-07	2.96E-07	2.25E-03	7.11E-07	3.02E-07	2.25E-03	7.11E-07	3.01E-07
4474	490863.09, 3858377.25	2.22E-03	7.00E-07	2.97E-07	2.26E-03	7.14E-07	3.03E-07	2.26E-03	7.13E-07	3.03E-07
4475	491363.09, 3858377.25	1.91E-03	6.02E-07	2.55E-07	1.95E-03	6.14E-07	2.61E-07	1.94E-03	6.13E-07	2.60E-07
4476	491863.09, 3858377.25	1.40E-03	4.41E-07	1.87E-07	1.43E-03	4.50E-07	1.91E-07	1.43E-03	4.50E-07	1.91E-07
4477	492363.09, 3858377.25	1.05E-03	3.30E-07	1.40E-07	1.07E-03	3.37E-07	1.43E-07	1.07E-03	3.37E-07	1.43E-07
4478	492863.09, 3858377.25	1.14E-03	3.61E-07	1.53E-07	1.17E-03	3.69E-07	1.56E-07	1.17E-03	3.68E-07	1.56E-07
4479	493363.09, 3858377.25	1.06E-03	3.35E-07	1.42E-07	1.08E-03	3.42E-07	1.45E-07	1.08E-03	3.41E-07	1.45E-07
4480	493863.09, 3858377.25	1.01E-03	3.20E-07	1.36E-07	1.03E-03	3.27E-07	1.39E-07	1.03E-03	3.26E-07	1.38E-07
4481	494363.09, 3858377.25	9.41E-04	2.97E-07	1.26E-07	9.60E-04	3.03E-07	1.29E-07	9.59E-04	3.03E-07	1.28E-07
4482	494863.09, 3858377.25	8.73E-04	2.76E-07	1.17E-07	8.91E-04	2.81E-07	1.19E-07	8.90E-04	2.81E-07	1.19E-07
4483	495363.09, 3858377.25	7.84E-04	2.47E-07	1.05E-07	8.00E-04	2.52E-07	1.07E-07	7.99E-04	2.52E-07	1.07E-07
4484	495863.09, 3858377.25	7.59E-04	2.40E-07	1.02E-07	7.75E-04	2.45E-07	1.04E-07	7.74E-04	2.44E-07	1.04E-07
4485	496363.09, 3858377.25	7.31E-04	2.31E-07	9.79E-08	7.46E-04	2.35E-07	9.99E-08	7.45E-04	2.35E-07	9.98E-08
4486	496863.09, 3858377.25	7.51E-04	2.37E-07	1.01E-07	7.66E-04	2.42E-07	1.03E-07	7.65E-04	2.41E-07	1.02E-07
4487	497363.09, 3858377.25	7.44E-04	2.35E-07	9.96E-08	7.59E-04	2.40E-07	1.02E-07	7.58E-04	2.39E-07	1.02E-07
4488	497863.09, 3858377.25	8.06E-04	2.54E-07	1.08E-07	8.22E-04	2.60E-07	1.10E-07	8.21E-04	2.59E-07	1.10E-07
4489	498363.09, 3858377.25	8.90E-04	2.81E-07	1.19E-07	9.08E-04	2.87E-07	1.22E-07	9.07E-04	2.86E-07	1.21E-07
4490	471363.09, 3858877.25	3.09E-04	9.75E-08	4.14E-08	3.15E-04	9.95E-08	4.22E-08	3.15E-04	9.93E-08	4.21E-08
4491	471863.09, 3858877.25	3.14E-04	9.91E-08	4.21E-08	3.21E-04	1.01E-07	4.29E-08	3.20E-04	1.01E-07	4.29E-08
4492	472363.09, 3858877.25	3.26E-04	1.03E-07	4.37E-08	3.33E-04	1.05E-07	4.46E-08	3.33E-04	1.05E-07	4.46E-08
4493	472863.09, 3858877.25	3.37E-04	1.06E-07	4.51E-08	3.44E-04	1.09E-07	4.61E-08	3.44E-04	1.08E-07	4.60E-08
4494	473363.09, 3858877.25	3.54E-04	1.12E-07	4.74E-08	3.61E-04	1.14E-07	4.84E-08	3.61E-04	1.14E-07	4.83E-08
4495	473863.09, 3858877.25	3.58E-04	1.13E-07	4.79E-08	3.65E-04	1.15E-07	4.89E-08	3.65E-04	1.15E-07	4.89E-08
4496	474363.09, 3858877.25	3.39E-04	1.07E-07	4.54E-08	3.46E-04	1.09E-07	4.63E-08	3.45E-04	1.09E-07	4.62E-08
4497	474863.09, 3858877.25	1.87E-04	5.90E-08	2.50E-08	1.91E-04	6.02E-08	2.55E-08	1.90E-04	6.01E-08	2.55E-08
4498	475363.09, 3858877.25	1.29E-04	4.07E-08	1.73E-08	1.32E-04	4.16E-08	1.76E-08	1.32E-04	4.15E-08	1.76E-08
4499	475863.09, 3858877.25	1.47E-04	4.63E-08	1.97E-08	1.50E-04	4.73E-08	2.01E-08	1.50E-04	4.72E-08	2.00E-08
4500	476363.09, 3858877.25	7.96E-05	2.51E-08	1.07E-08	8.12E-05	2.56E-08	1.09E-08	8.11E-05	2.56E-08	1.09E-08
4501	476863.09, 3858877.25	1.05E-04	3.31E-08	1.40E-08	1.07E-04	3.38E-08	1.43E-08	1.07E-04	3.37E-08	1.43E-08
4502	477363.09, 3858877.25	1.08E-04	3.39E-08	1.44E-08	1.10E-04	3.46E-08	1.47E-08	1.10E-04	3.46E-08	1.47E-08
4503	477863.09, 3858877.25	1.38E-04	4.34E-08	1.84E-08	1.40E-04	4.43E-08	1.88E-08	1.40E-04	4.43E-08	1.88E-08
4504	478363.09, 3858877.25	2.73E-04	8.61E-08	3.65E-08	2.78E-04	8.79E-08	3.73E-08	2.78E-04	8.78E-08	3.72E-08
4505	478863.09, 3858877.25	2.30E-04	7.25E-08	3.08E-08	2.35E-04	7.40E-08	3.14E-08	2.34E-04	7.39E-08	3.14E-08
4506	479363.09, 3858877.25	1.82E-04	5.76E-08	2.44E-08	1.86E-04	5.87E-08	2.49E-08	1.86E-04	5.87E-08	2.49E-08
4507	479863.09, 3858877.25	4.80E-04	1.51E-07	6.42E-08	4.90E-04	1.54E-07	6.56E-08	4.89E-04	1.54E-07	6.55E-08
4508	480363.09, 3858877.25	5.00E-04	1.58E-07	6.69E-08	5.10E-04	1.61E-07	6.83E-08	5.09E-04	1.61E-07	6.82E-08
4509	480863.09, 3858877.25	5.16E-04	1.63E-07	6.91E-08	5.26E-04	1.66E-07	7.05E-08	5.26E-04	1.66E-07	7.04E-08
4510	481363.09, 3858877.25	5.29E-04	1.67E-07	7.09E-08	5.40E-04	1.70E-07	7.23E-08	5.39E-04	1.70E-07	7.22E-08
4511	481863.09, 3858877.25	5.38E-04	1.70E-07	7.21E-08	5.49E-04	1.73E-07	7.35E-08	5.48E-04	1.73E-07	7.34E-08
4512	482363.09, 3858877.25	5.50E-04	1.74E-07	7.37E-08	5.61E-04	1.77E-07	7.52E-08	5.61E-04	1.77E-07	7.51E-08
4513	482863.09, 3858877.25	5.72E-04	1.80E-07	7.66E-08	5.83E-04	1.84E-07	7.81E-08	5.83E-04	1.84E-07	7.80E-08
4514	483363.09, 3858877.25	6.18E-04	1.95E-07	8.27E-08	6.31E-04	1.99E-07	8.44E-08	6.30E-04	1.99E-07	8.43E-08
4515	483863.09, 3858877.25	6.51E-04	2.05E-07	8.71E-08	6.64E-04	2.10E-07	8.89E-08	6.63E-04	2.09E-07	8.88E-08
4516	484363.09, 3858877.25	6.92E-04	2.18E-07	9.26E-08	7.06E-04	2.23E-07	9.45E-08	7.05E-04	2.22E-07	9.44E-08
4517	484863.09, 3858877.25	7.41E-04	2.34E-07	9.92E-08	7.56E-04	2.39E-07	1.01E-07	7.55E-04	2.38E-07	1.01E-07
4518	485363.09, 3858877.25	8.10E-04	2.56E-07	1.08E-07	8.26E-04	2.61E-07	1.11E-07	8.25E-04	2.60E-07	1.11E-07
4519	485863.09, 3858877.25	9.08E-04	2.87E-07	1.22E-07	9.27E-04	2.92E-07	1.24E-07	9.26E-04	2.92E-07	1.24E-07
4520	486363.09, 3858877.25	1.03E-03	3.26E-07	1.38E-07	1.05E-03	3.33E-07	1.41E-07	1.05E-03	3.32E-07	1.41E-07
4521	486863.09, 3858877.25	1.22E-03	3.84E-07	1.63E-07	1.24E-03	3.91E-07	1.66E-07	1.24E-03	3.91E-07	1.66E-07
4522	487363.09, 3858877.25	1.52E-03	4.80E-07	2.04E-07	1.55E-03	4.90E-07	2.08E-07	1.55E-03	4.90E-07	2.08E-07

4523	487863.09, 3858877.25	2.04E-03	6.44E-07	2.73E-07	2.08E-03	6.57E-07	2.79E-07	2.08E-03	6.56E-07	2.78E-07
4524	488363.09, 3858877.25	3.42E-03	1.08E-06	4.58E-07	3.49E-03	1.10E-06	4.67E-07	3.48E-03	1.10E-06	4.66E-07
4525	488863.09, 3858877.25	1.60E-02	5.04E-06	2.14E-06	1.63E-02	5.15E-06	2.18E-06	1.63E-02	5.14E-06	2.18E-06
4526	489363.09, 3858877.25	1.51E-02	4.77E-06	2.02E-06	1.54E-02	4.87E-06	2.07E-06	1.54E-02	4.86E-06	2.06E-06
4527	489863.09, 3858877.25	9.73E-03	3.07E-06	1.30E-06	9.93E-03	3.13E-06	1.33E-06	9.92E-03	3.13E-06	1.33E-06
4528	490363.09, 3858877.25	6.83E-03	2.16E-06	9.15E-07	6.97E-03	2.20E-06	9.34E-07	6.97E-03	2.20E-06	9.33E-07
4529	490863.09, 3858877.25	4.50E-03	1.42E-06	6.02E-07	4.59E-03	1.45E-06	6.14E-07	4.58E-03	1.45E-06	6.14E-07
4530	491363.09, 3858877.25	2.87E-03	9.07E-07	3.85E-07	2.93E-03	9.25E-07	3.93E-07	2.93E-03	9.24E-07	3.92E-07
4531	491863.09, 3858877.25	2.01E-03	6.35E-07	2.69E-07	2.05E-03	6.48E-07	2.75E-07	2.05E-03	6.47E-07	2.74E-07
4532	492363.09, 3858877.25	2.15E-03	6.79E-07	2.88E-07	2.20E-03	6.93E-07	2.94E-07	2.19E-03	6.92E-07	2.94E-07
4533	492863.09, 3858877.25	2.40E-03	7.56E-07	3.21E-07	2.45E-03	7.72E-07	3.28E-07	2.44E-03	7.71E-07	3.27E-07
4534	493363.09, 3858877.25	2.07E-03	6.54E-07	2.77E-07	2.11E-03	6.67E-07	2.83E-07	2.11E-03	6.66E-07	2.83E-07
4535	493863.09, 3858877.25	1.68E-03	5.30E-07	2.25E-07	1.71E-03	5.41E-07	2.30E-07	1.71E-03	5.40E-07	2.29E-07
4536	494363.09, 3858877.25	1.52E-03	4.81E-07	2.04E-07	1.55E-03	4.90E-07	2.08E-07	1.55E-03	4.90E-07	2.08E-07
4537	494863.09, 3858877.25	1.36E-03	4.29E-07	1.82E-07	1.39E-03	4.38E-07	1.86E-07	1.39E-03	4.38E-07	1.86E-07
4538	495363.09, 3858877.25	1.21E-03	3.80E-07	1.61E-07	1.23E-03	3.88E-07	1.65E-07	1.23E-03	3.88E-07	1.65E-07
4539	495863.09, 3858877.25	1.11E-03	3.50E-07	1.49E-07	1.13E-03	3.57E-07	1.52E-07	1.13E-03	3.57E-07	1.51E-07
4540	496363.09, 3858877.25	1.05E-03	3.32E-07	1.41E-07	1.07E-03	3.39E-07	1.44E-07	1.07E-03	3.38E-07	1.44E-07
4541	496863.09, 3858877.25	9.98E-04	3.15E-07	1.34E-07	1.02E-03	3.21E-07	1.36E-07	1.02E-03	3.21E-07	1.36E-07
4542	497363.09, 3858877.25	9.49E-04	2.99E-07	1.27E-07	9.68E-04	3.06E-07	1.30E-07	9.67E-04	3.05E-07	1.29E-07
4543	497863.09, 3858877.25	1.01E-03	3.20E-07	1.36E-07	1.03E-03	3.27E-07	1.39E-07	1.03E-03	3.26E-07	1.38E-07
4544	498363.09, 3858877.25	1.09E-03	3.43E-07	1.46E-07	1.11E-03	3.50E-07	1.49E-07	1.11E-03	3.50E-07	1.48E-07
4545	471363.09, 3859377.25	2.93E-04	9.23E-08	3.92E-08	2.99E-04	9.42E-08	4.00E-08	2.98E-04	9.41E-08	3.99E-08
4546	471863.09, 3859377.25	3.00E-04	9.48E-08	4.02E-08	3.06E-04	9.67E-08	4.10E-08	3.06E-04	9.66E-08	4.10E-08
4547	472363.09, 3859377.25	3.12E-04	9.86E-08	4.18E-08	3.19E-04	1.01E-07	4.27E-08	3.18E-04	1.00E-07	4.26E-08
4548	472863.09, 3859377.25	3.23E-04	1.02E-07	4.33E-08	3.30E-04	1.04E-07	4.42E-08	3.29E-04	1.04E-07	4.41E-08
4549	473363.09, 3859377.25	3.36E-04	1.06E-07	4.50E-08	3.43E-04	1.08E-07	4.59E-08	3.42E-04	1.08E-07	4.58E-08
4550	473863.09, 3859377.25	3.44E-04	1.09E-07	4.60E-08	3.51E-04	1.11E-07	4.70E-08	3.50E-04	1.11E-07	4.69E-08
4551	474363.09, 3859377.25	3.25E-04	1.02E-07	4.35E-08	3.31E-04	1.05E-07	4.44E-08	3.31E-04	1.04E-07	4.43E-08
4552	474863.09, 3859377.25	2.63E-04	8.29E-08	3.52E-08	2.68E-04	8.46E-08	3.59E-08	2.68E-04	8.45E-08	3.58E-08
4553	475363.09, 3859377.25	1.79E-04	5.65E-08	2.40E-08	1.83E-04	5.76E-08	2.44E-08	1.82E-04	5.75E-08	2.44E-08
4554	475863.09, 3859377.25	1.08E-04	3.39E-08	1.44E-08	1.10E-04	3.46E-08	1.47E-08	1.10E-04	3.46E-08	1.47E-08
4555	476363.09, 3859377.25	9.13E-05	2.88E-08	1.22E-08	9.32E-05	2.94E-08	1.25E-08	9.31E-05	2.94E-08	1.25E-08
4556	476863.09, 3859377.25	6.87E-05	2.17E-08	9.19E-09	7.01E-05	2.21E-08	9.38E-09	7.00E-05	2.21E-08	9.37E-09
4557	477363.09, 3859377.25	7.54E-05	2.38E-08	1.01E-08	7.70E-05	2.43E-08	1.03E-08	7.69E-05	2.43E-08	1.03E-08
4558	477863.09, 3859377.25	1.57E-04	4.97E-08	2.11E-08	1.61E-04	5.07E-08	2.15E-08	1.60E-04	5.06E-08	2.15E-08
4559	478363.09, 3859377.25	2.37E-04	7.49E-08	3.18E-08	2.42E-04	7.64E-08	3.24E-08	2.42E-04	7.63E-08	3.24E-08
4560	478863.09, 3859377.25	3.25E-04	1.03E-07	4.36E-08	3.32E-04	1.05E-07	4.45E-08	3.32E-04	1.05E-07	4.44E-08
4561	479363.09, 3859377.25	3.88E-04	1.22E-07	5.20E-08	3.96E-04	1.25E-07	5.30E-08	3.96E-04	1.25E-07	5.30E-08
4562	479863.09, 3859377.25	4.29E-04	1.35E-07	5.74E-08	4.37E-04	1.38E-07	5.86E-08	4.37E-04	1.38E-07	5.85E-08
4563	480363.09, 3859377.25	4.59E-04	1.45E-07	6.15E-08	4.69E-04	1.48E-07	6.28E-08	4.68E-04	1.48E-07	6.27E-08
4564	480863.09, 3859377.25	4.81E-04	1.52E-07	6.44E-08	4.91E-04	1.55E-07	6.58E-08	4.90E-04	1.55E-07	6.57E-08
4565	481363.09, 3859377.25	4.95E-04	1.56E-07	6.63E-08	5.05E-04	1.60E-07	6.77E-08	5.05E-04	1.59E-07	6.76E-08
4566	481863.09, 3859377.25	5.06E-04	1.60E-07	6.78E-08	5.16E-04	1.63E-07	6.91E-08	5.16E-04	1.63E-07	6.91E-08
4567	482363.09, 3859377.25	5.19E-04	1.64E-07	6.95E-08	5.30E-04	1.67E-07	7.09E-08	5.29E-04	1.67E-07	7.09E-08
4568	482863.09, 3859377.25	5.40E-04	1.71E-07	7.24E-08	5.51E-04	1.74E-07	7.38E-08	5.51E-04	1.74E-07	7.38E-08
4569	483363.09, 3859377.25	5.78E-04	1.82E-07	7.73E-08	5.89E-04	1.86E-07	7.89E-08	5.89E-04	1.86E-07	7.88E-08
4570	483863.09, 3859377.25	6.11E-04	1.93E-07	8.18E-08	6.24E-04	1.97E-07	8.35E-08	6.23E-04	1.97E-07	8.34E-08
4571	484363.09, 3859377.25	6.52E-04	2.06E-07	8.74E-08	6.66E-04	2.10E-07	8.91E-08	6.65E-04	2.10E-07	8.90E-08
4572	484863.09, 3859377.25	7.02E-04	2.22E-07	9.41E-08	7.17E-04	2.26E-07	9.60E-08	7.16E-04	2.26E-07	9.59E-08
4573	485363.09, 3859377.25	7.68E-04	2.43E-07	1.03E-07	7.84E-04	2.47E-07	1.05E-07	7.83E-04	2.47E-07	1.05E-07
4574	485863.09, 3859377.25	8.62E-04	2.72E-07	1.15E-07	8.79E-04	2.77E-07	1.18E-07	8.78E-04	2.77E-07	1.18E-07
4575	486363.09, 3859377.25	9.94E-04	3.14E-07	1.33E-07	1.01E-03	3.20E-07	1.36E-07	1.01E-03	3.20E-07	1.36E-07
4576	486863.09, 3859377.25	1.18E-03	3.72E-07	1.58E-07	1.20E-03	3.80E-07	1.61E-07	1.20E-03	3.80E-07	1.61E-07
4577	487363.09, 3859377.25	1.49E-03	4.69E-07	1.99E-07	1.52E-03	4.78E-07	2.03E-07	1.51E-03	4.78E-07	2.03E-07
4578	487863.09, 3859377.25	2.10E-03	6.61E-07	2.81E-07	2.14E-03	6.75E-07	2.86E-07	2.14E-03	6.74E-07	2.86E-07
4579	488363.09, 3859377.25	3.30E-03	1.04E-06	4.42E-07	3.37E-03	1.06E-06	4.51E-07	3.36E-03	1.06E-06	4.50E-07
4580	488863.09, 3859377.25	6.65E-03	2.10E-06	8.91E-07	6.79E-03	2.14E-06	9.09E-07	6.78E-03	2.14E-06	9.08E-07
4581	489363.09, 3859377.25	1.79E-02	5.66E-06	2.40E-06	1.83E-02	5.78E-06	2.45E-06	1.83E-02	5.77E-06	2.45E-06
4582	489863.09, 3859377.25	6.24E-02	1.97E-05	8.36E-06	6.37E-02	2.01E-05	8.53E-06	6.36E-02	2.01E-05	8.52E-06
4583	490363.09, 3859377.25	2.15E-02	6.79E-06	2.88E-06	2.19E-02	6.92E-06	2.94E-06	2.19E-02	6.92E-06	2.93E-06
4584	490863.09, 3859377.25	1.06E-02	3.33E-06	1.41E-06	1.08E-02	3.40E-06	1.44E-06	1.08E-02	3.40E-06	1.44E-06

4585	491363.09, 3859377.25	5.24E-03	1.65E-06	7.02E-07	5.35E-03	1.69E-06	7.16E-07	5.34E-03	1.69E-06	7.16E-07
4586	491863.09, 3859377.25	5.56E-03	1.76E-06	7.45E-07	5.68E-03	1.79E-06	7.60E-07	5.67E-03	1.79E-06	7.59E-07
4587	492363.09, 3859377.25	4.74E-03	1.50E-06	6.35E-07	4.84E-03	1.53E-06	6.48E-07	4.83E-03	1.53E-06	6.47E-07
4588	492863.09, 3859377.25	4.24E-03	1.34E-06	5.68E-07	4.33E-03	1.37E-06	5.79E-07	4.32E-03	1.36E-06	5.79E-07
4589	493363.09, 3859377.25	3.35E-03	1.06E-06	4.49E-07	3.42E-03	1.08E-06	4.58E-07	3.42E-03	1.08E-06	4.58E-07
4590	493863.09, 3859377.25	2.95E-03	9.31E-07	3.95E-07	3.01E-03	9.50E-07	4.03E-07	3.01E-03	9.49E-07	4.03E-07
4591	494363.09, 3859377.25	2.50E-03	7.90E-07	3.35E-07	2.55E-03	8.06E-07	3.42E-07	2.55E-03	8.05E-07	3.42E-07
4592	494863.09, 3859377.25	1.97E-03	6.21E-07	2.64E-07	2.01E-03	6.34E-07	2.69E-07	2.01E-03	6.33E-07	2.69E-07
4593	495363.09, 3859377.25	1.77E-03	5.59E-07	2.37E-07	1.81E-03	5.70E-07	2.42E-07	1.80E-03	5.70E-07	2.42E-07
4594	495863.09, 3859377.25	1.55E-03	4.90E-07	2.08E-07	1.58E-03	5.00E-07	2.12E-07	1.58E-03	4.99E-07	2.12E-07
4595	496363.09, 3859377.25	1.46E-03	4.60E-07	1.95E-07	1.49E-03	4.69E-07	1.99E-07	1.48E-03	4.69E-07	1.99E-07
4596	496863.09, 3859377.25	1.25E-03	3.95E-07	1.68E-07	1.28E-03	4.03E-07	1.71E-07	1.28E-03	4.03E-07	1.71E-07
4597	497363.09, 3859377.25	1.23E-03	3.88E-07	1.65E-07	1.26E-03	3.96E-07	1.68E-07	1.25E-03	3.96E-07	1.68E-07
4598	497863.09, 3859377.25	1.28E-03	4.04E-07	1.71E-07	1.31E-03	4.12E-07	1.75E-07	1.30E-03	4.12E-07	1.75E-07
4599	498363.09, 3859377.25	1.30E-03	4.11E-07	1.75E-07	1.33E-03	4.20E-07	1.78E-07	1.33E-03	4.19E-07	1.78E-07
4600	471363.09, 3859877.25	2.78E-04	8.79E-08	3.73E-08	2.84E-04	8.97E-08	3.81E-08	2.84E-04	8.96E-08	3.80E-08
4601	471863.09, 3859877.25	2.88E-04	9.08E-08	3.85E-08	2.93E-04	9.26E-08	3.93E-08	2.93E-04	9.25E-08	3.93E-08
4602	472363.09, 3859877.25	2.96E-04	9.33E-08	3.96E-08	3.02E-04	9.52E-08	4.04E-08	3.01E-04	9.51E-08	4.03E-08
4603	472863.09, 3859877.25	3.07E-04	9.69E-08	4.11E-08	3.13E-04	9.89E-08	4.20E-08	3.13E-04	9.88E-08	4.19E-08
4604	473363.09, 3859877.25	3.18E-04	1.00E-07	4.25E-08	3.24E-04	1.02E-07	4.34E-08	3.24E-04	1.02E-07	4.34E-08
4605	473863.09, 3859877.25	3.26E-04	1.03E-07	4.37E-08	3.33E-04	1.05E-07	4.46E-08	3.33E-04	1.05E-07	4.46E-08
4606	474363.09, 3859877.25	3.17E-04	1.00E-07	4.25E-08	3.24E-04	1.02E-07	4.33E-08	3.23E-04	1.02E-07	4.33E-08
4607	474863.09, 3859877.25	2.88E-04	9.10E-08	3.86E-08	2.94E-04	9.29E-08	3.94E-08	2.94E-04	9.28E-08	3.94E-08
4608	475363.09, 3859877.25	2.04E-04	6.44E-08	2.73E-08	2.08E-04	6.57E-08	2.79E-08	2.08E-04	6.56E-08	2.78E-08
4609	475863.09, 3859877.25	1.03E-04	3.25E-08	1.38E-08	1.05E-04	3.31E-08	1.41E-08	1.05E-04	3.31E-08	1.40E-08
4610	476363.09, 3859877.25	5.48E-05	1.73E-08	7.34E-09	5.59E-05	1.77E-08	7.49E-09	5.59E-05	1.76E-08	7.48E-09
4611	476863.09, 3859877.25	6.54E-05	2.06E-08	8.76E-09	6.68E-05	2.11E-08	8.94E-09	6.67E-05	2.10E-08	8.93E-09
4612	477363.09, 3859877.25	7.04E-05	2.22E-08	9.43E-09	7.19E-05	2.27E-08	9.62E-09	7.18E-05	2.27E-08	9.61E-09
4613	477863.09, 3859877.25	1.39E-04	4.40E-08	1.87E-08	1.42E-04	4.49E-08	1.90E-08	1.42E-04	4.48E-08	1.90E-08
4614	478363.09, 3859877.25	2.27E-04	7.18E-08	3.05E-08	2.32E-04	7.33E-08	3.11E-08	2.32E-04	7.32E-08	3.10E-08
4615	478863.09, 3859877.25	3.08E-04	9.73E-08	4.13E-08	3.15E-04	9.93E-08	4.21E-08	3.14E-04	9.91E-08	4.21E-08
4616	479363.09, 3859877.25	3.74E-04	1.18E-07	5.00E-08	3.81E-04	1.20E-07	5.11E-08	3.81E-04	1.20E-07	5.10E-08
4617	479863.09, 3859877.25	4.08E-04	1.29E-07	5.47E-08	4.17E-04	1.32E-07	5.58E-08	4.16E-04	1.31E-07	5.57E-08
4618	480363.09, 3859877.25	4.35E-04	1.37E-07	5.82E-08	4.44E-04	1.40E-07	5.94E-08	4.43E-04	1.40E-07	5.93E-08
4619	480863.09, 3859877.25	4.54E-04	1.43E-07	6.08E-08	4.63E-04	1.46E-07	6.20E-08	4.63E-04	1.46E-07	6.19E-08
4620	481363.09, 3859877.25	4.67E-04	1.47E-07	6.25E-08	4.77E-04	1.50E-07	6.38E-08	4.76E-04	1.50E-07	6.37E-08
4621	481863.09, 3859877.25	4.79E-04	1.51E-07	6.41E-08	4.89E-04	1.54E-07	6.54E-08	4.88E-04	1.54E-07	6.54E-08
4622	482363.09, 3859877.25	4.96E-04	1.57E-07	6.64E-08	5.06E-04	1.60E-07	6.78E-08	5.05E-04	1.60E-07	6.77E-08
4623	482863.09, 3859877.25	5.15E-04	1.63E-07	6.90E-08	5.26E-04	1.66E-07	7.04E-08	5.25E-04	1.66E-07	7.03E-08
4624	483363.09, 3859877.25	5.43E-04	1.71E-07	7.28E-08	5.54E-04	1.75E-07	7.42E-08	5.54E-04	1.75E-07	7.42E-08
4625	483863.09, 3859877.25	5.82E-04	1.84E-07	7.80E-08	5.94E-04	1.88E-07	7.96E-08	5.93E-04	1.87E-07	7.95E-08
4626	484363.09, 3859877.25	6.19E-04	1.95E-07	8.29E-08	6.32E-04	1.99E-07	8.46E-08	6.31E-04	1.99E-07	8.45E-08
4627	484863.09, 3859877.25	6.67E-04	2.10E-07	8.93E-08	6.80E-04	2.15E-07	9.11E-08	6.80E-04	2.15E-07	9.10E-08
4628	485363.09, 3859877.25	7.29E-04	2.30E-07	9.77E-08	7.44E-04	2.35E-07	9.97E-08	7.43E-04	2.35E-07	9.95E-08
4629	485863.09, 3859877.25	8.17E-04	2.58E-07	1.09E-07	8.34E-04	2.63E-07	1.12E-07	8.33E-04	2.63E-07	1.12E-07
4630	486363.09, 3859877.25	9.45E-04	2.98E-07	1.27E-07	9.64E-04	3.04E-07	1.29E-07	9.63E-04	3.04E-07	1.29E-07
4631	486863.09, 3859877.25	1.14E-03	3.60E-07	1.53E-07	1.16E-03	3.67E-07	1.56E-07	1.16E-03	3.67E-07	1.56E-07
4632	487363.09, 3859877.25	1.39E-03	4.40E-07	1.87E-07	1.42E-03	4.49E-07	1.90E-07	1.42E-03	4.48E-07	1.90E-07
4633	487863.09, 3859877.25	1.83E-03	5.76E-07	2.45E-07	1.86E-03	5.88E-07	2.50E-07	1.86E-03	5.87E-07	2.49E-07
4634	488363.09, 3859877.25	2.49E-03	7.86E-07	3.33E-07	2.54E-03	8.02E-07	3.40E-07	2.54E-03	8.01E-07	3.40E-07
4635	488863.09, 3859877.25	3.66E-03	1.15E-06	4.90E-07	3.73E-03	1.18E-06	5.00E-07	3.73E-03	1.18E-06	4.99E-07
4636	489363.09, 3859877.25	5.57E-03	1.76E-06	7.46E-07	5.69E-03	1.79E-06	7.61E-07	5.68E-03	1.79E-06	7.60E-07
4637	489863.09, 3859877.25	9.34E-03	2.95E-06	1.25E-06	9.53E-03	3.01E-06	1.28E-06	9.52E-03	3.01E-06	1.28E-06
4638	490363.09, 3859877.25	1.82E-02	5.75E-06	2.44E-06	1.86E-02	5.87E-06	2.49E-06	1.86E-02	5.86E-06	2.49E-06
4639	490863.09, 3859877.25	8.99E-02	2.84E-05	1.20E-05	9.17E-02	2.90E-05	1.23E-05	9.16E-02	2.89E-05	1.23E-05
4640	491363.09, 3859877.25	2.88E-02	9.09E-06	3.86E-06	2.94E-02	9.27E-06	3.93E-06	2.93E-02	9.26E-06	3.93E-06
4641	491863.09, 3859877.25	1.49E-02	4.72E-06	2.00E-06	1.53E-02	4.81E-06	2.04E-06	1.52E-02	4.81E-06	2.04E-06
4642	492363.09, 3859877.25	1.00E-02	3.17E-06	1.34E-06	1.02E-02	3.23E-06	1.37E-06	1.02E-02	3.23E-06	1.37E-06
4643	492863.09, 3859877.25	6.95E-03	2.19E-06	9.31E-07	7.09E-03	2.24E-06	9.50E-07	7.09E-03	2.24E-06	9.49E-07
4644	493363.09, 3859877.25	5.36E-03	1.69E-06	7.17E-07	5.47E-03	1.73E-06	7.32E-07	5.46E-03	1.72E-06	7.31E-07
4645	493863.09, 3859877.25	4.25E-03	1.34E-06	5.70E-07	4.34E-03	1.37E-06	5.81E-07	4.34E-03	1.37E-06	5.81E-07
4646	494363.09, 3859877.25	3.34E-03	1.05E-06	4.48E-07	3.41E-03	1.08E-06	4.57E-07	3.41E-03	1.08E-06	4.56E-07

4647	494863.09, 3859877.25	2.85E-03	8.99E-07	3.81E-07	2.91E-03	9.17E-07	3.89E-07	2.90E-03	9.16E-07	3.89E-07
4648	495363.09, 3859877.25	2.39E-03	7.53E-07	3.19E-07	2.43E-03	7.68E-07	3.26E-07	2.43E-03	7.67E-07	3.26E-07
4649	495863.09, 3859877.25	2.02E-03	6.37E-07	2.70E-07	2.06E-03	6.50E-07	2.76E-07	2.06E-03	6.49E-07	2.75E-07
4650	496363.09, 3859877.25	1.64E-03	5.18E-07	2.20E-07	1.68E-03	5.29E-07	2.24E-07	1.67E-03	5.28E-07	2.24E-07
4651	496863.09, 3859877.25	1.18E-03	3.74E-07	1.59E-07	1.21E-03	3.81E-07	1.62E-07	1.21E-03	3.81E-07	1.62E-07
4652	497363.09, 3859877.25	1.31E-03	4.13E-07	1.75E-07	1.33E-03	4.21E-07	1.79E-07	1.33E-03	4.20E-07	1.78E-07
4653	497863.09, 3859877.25	1.42E-03	4.50E-07	1.91E-07	1.45E-03	4.59E-07	1.95E-07	1.45E-03	4.58E-07	1.94E-07
4654	498363.09, 3859877.25	1.42E-03	4.47E-07	1.90E-07	1.45E-03	4.56E-07	1.94E-07	1.44E-03	4.56E-07	1.93E-07
4655	471363.09, 3860377.25	2.67E-04	8.42E-08	3.57E-08	2.72E-04	8.59E-08	3.64E-08	2.72E-04	8.58E-08	3.64E-08
4656	471863.09, 3860377.25	2.75E-04	8.68E-08	3.68E-08	2.81E-04	8.85E-08	3.76E-08	2.80E-04	8.84E-08	3.75E-08
4657	472363.09, 3860377.25	2.84E-04	8.97E-08	3.80E-08	2.90E-04	9.15E-08	3.88E-08	2.90E-04	9.14E-08	3.88E-08
4658	472863.09, 3860377.25	2.94E-04	9.27E-08	3.93E-08	3.00E-04	9.46E-08	4.01E-08	2.99E-04	9.45E-08	4.01E-08
4659	473363.09, 3860377.25	3.03E-04	9.55E-08	4.05E-08	3.09E-04	9.75E-08	4.14E-08	3.08E-04	9.73E-08	4.13E-08
4660	473863.09, 3860377.25	3.10E-04	9.78E-08	4.15E-08	3.16E-04	9.98E-08	4.24E-08	3.16E-04	9.97E-08	4.23E-08
4661	474363.09, 3860377.25	3.12E-04	9.86E-08	4.18E-08	3.19E-04	1.01E-07	4.27E-08	3.18E-04	1.00E-07	4.26E-08
4662	474863.09, 3860377.25	3.07E-04	9.69E-08	4.11E-08	3.13E-04	9.89E-08	4.20E-08	3.13E-04	9.88E-08	4.19E-08
4663	475363.09, 3860377.25	2.83E-04	8.95E-08	3.80E-08	2.89E-04	9.13E-08	3.87E-08	2.89E-04	9.12E-08	3.87E-08
4664	475863.09, 3860377.25	2.51E-04	7.91E-08	3.36E-08	2.56E-04	8.08E-08	3.43E-08	2.56E-04	8.07E-08	3.42E-08
4665	476363.09, 3860377.25	2.07E-04	6.54E-08	2.77E-08	2.11E-04	6.67E-08	2.83E-08	2.11E-04	6.66E-08	2.83E-08
4666	476863.09, 3860377.25	1.88E-04	5.93E-08	2.52E-08	1.92E-04	6.05E-08	2.57E-08	1.92E-04	6.05E-08	2.57E-08
4667	477363.09, 3860377.25	1.15E-04	3.63E-08	1.54E-08	1.17E-04	3.70E-08	1.57E-08	1.17E-04	3.70E-08	1.57E-08
4668	477863.09, 3860377.25	1.45E-04	4.57E-08	1.94E-08	1.48E-04	4.66E-08	1.98E-08	1.47E-04	4.65E-08	1.97E-08
4669	478363.09, 3860377.25	2.37E-04	7.50E-08	3.18E-08	2.42E-04	7.65E-08	3.25E-08	2.42E-04	7.64E-08	3.24E-08
4670	478863.09, 3860377.25	2.99E-04	9.45E-08	4.01E-08	3.05E-04	9.64E-08	4.09E-08	3.05E-04	9.63E-08	4.09E-08
4671	479363.09, 3860377.25	3.53E-04	1.11E-07	4.73E-08	3.60E-04	1.14E-07	4.82E-08	3.60E-04	1.14E-07	4.82E-08
4672	479863.09, 3860377.25	3.90E-04	1.23E-07	5.22E-08	3.97E-04	1.25E-07	5.32E-08	3.97E-04	1.25E-07	5.32E-08
4673	480363.09, 3860377.25	4.13E-04	1.30E-07	5.54E-08	4.22E-04	1.33E-07	5.65E-08	4.21E-04	1.33E-07	5.64E-08
4674	480863.09, 3860377.25	4.30E-04	1.36E-07	5.76E-08	4.39E-04	1.39E-07	5.88E-08	4.38E-04	1.38E-07	5.87E-08
4675	481363.09, 3860377.25	4.40E-04	1.39E-07	5.90E-08	4.49E-04	1.42E-07	6.02E-08	4.49E-04	1.42E-07	6.01E-08
4676	481863.09, 3860377.25	4.55E-04	1.43E-07	6.09E-08	4.64E-04	1.46E-07	6.21E-08	4.63E-04	1.46E-07	6.21E-08
4677	482363.09, 3860377.25	4.70E-04	1.48E-07	6.29E-08	4.79E-04	1.51E-07	6.42E-08	4.79E-04	1.51E-07	6.41E-08
4678	482863.09, 3860377.25	4.86E-04	1.54E-07	6.51E-08	4.96E-04	1.57E-07	6.65E-08	4.96E-04	1.56E-07	6.64E-08
4679	483363.09, 3860377.25	5.14E-04	1.62E-07	6.89E-08	5.25E-04	1.66E-07	7.03E-08	5.24E-04	1.65E-07	7.02E-08
4680	483863.09, 3860377.25	5.50E-04	1.74E-07	7.37E-08	5.61E-04	1.77E-07	7.52E-08	5.61E-04	1.77E-07	7.51E-08
4681	484363.09, 3860377.25	5.91E-04	1.87E-07	7.92E-08	6.03E-04	1.90E-07	8.08E-08	6.03E-04	1.90E-07	8.07E-08
4682	484863.09, 3860377.25	6.40E-04	2.02E-07	8.57E-08	6.53E-04	2.06E-07	8.74E-08	6.52E-04	2.06E-07	8.73E-08
4683	485363.09, 3860377.25	7.00E-04	2.21E-07	9.38E-08	7.14E-04	2.25E-07	9.57E-08	7.14E-04	2.25E-07	9.56E-08
4684	485863.09, 3860377.25	7.87E-04	2.48E-07	1.05E-07	8.03E-04	2.53E-07	1.08E-07	8.02E-04	2.53E-07	1.07E-07
4685	486363.09, 3860377.25	8.96E-04	2.83E-07	1.20E-07	9.15E-04	2.89E-07	1.22E-07	9.14E-04	2.88E-07	1.22E-07
4686	486863.09, 3860377.25	1.03E-03	3.26E-07	1.38E-07	1.05E-03	3.32E-07	1.41E-07	1.05E-03	3.32E-07	1.41E-07
4687	487363.09, 3860377.25	1.21E-03	3.83E-07	1.62E-07	1.24E-03	3.91E-07	1.66E-07	1.24E-03	3.90E-07	1.65E-07
4688	487863.09, 3860377.25	1.50E-03	4.75E-07	2.02E-07	1.54E-03	4.85E-07	2.06E-07	1.53E-03	4.84E-07	2.05E-07
4689	488363.09, 3860377.25	1.90E-03	6.00E-07	2.55E-07	1.94E-03	6.12E-07	2.60E-07	1.94E-03	6.12E-07	2.60E-07
4690	488863.09, 3860377.25	2.43E-03	7.68E-07	3.26E-07	2.48E-03	7.83E-07	3.32E-07	2.48E-03	7.82E-07	3.32E-07
4691	489363.09, 3860377.25	3.11E-03	9.82E-07	4.17E-07	3.17E-03	1.00E-06	4.25E-07	3.17E-03	1.00E-06	4.25E-07
4692	489863.09, 3860377.25	4.12E-03	1.30E-06	5.52E-07	4.21E-03	1.33E-06	5.64E-07	4.20E-03	1.33E-06	5.63E-07
4693	490363.09, 3860377.25	5.51E-03	1.74E-06	7.37E-07	5.62E-03	1.77E-06	7.52E-07	5.61E-03	1.77E-06	7.51E-07
4694	490863.09, 3860377.25	8.12E-03	2.56E-06	1.09E-06	8.29E-03	2.62E-06	1.11E-06	8.28E-03	2.61E-06	1.11E-06
4695	491363.09, 3860377.25	1.80E-02	5.69E-06	2.41E-06	1.84E-02	5.80E-06	2.46E-06	1.84E-02	5.80E-06	2.46E-06
4696	491863.09, 3860377.25	3.61E-02	1.14E-05	4.84E-06	3.69E-02	1.16E-05	4.94E-06	3.68E-02	1.16E-05	4.93E-06
4697	492363.09, 3860377.25	1.52E-02	4.81E-06	2.04E-06	1.55E-02	4.91E-06	2.08E-06	1.55E-02	4.90E-06	2.08E-06
4698	492863.09, 3860377.25	8.99E-03	2.84E-06	1.20E-06	9.17E-03	2.89E-06	1.23E-06	9.16E-03	2.89E-06	1.23E-06
4699	493363.09, 3860377.25	6.07E-03	1.92E-06	8.13E-07	6.20E-03	1.96E-06	8.30E-07	6.19E-03	1.95E-06	8.29E-07
4700	493863.09, 3860377.25	4.71E-03	1.49E-06	6.31E-07	4.81E-03	1.52E-06	6.44E-07	4.81E-03	1.52E-06	6.43E-07
4701	494363.09, 3860377.25	3.72E-03	1.17E-06	4.98E-07	3.80E-03	1.20E-06	5.09E-07	3.79E-03	1.20E-06	5.08E-07
4702	494863.09, 3860377.25	3.15E-03	9.93E-07	4.21E-07	3.21E-03	1.01E-06	4.30E-07	3.21E-03	1.01E-06	4.29E-07
4703	495363.09, 3860377.25	2.64E-03	8.32E-07	3.53E-07	2.69E-03	8.49E-07	3.60E-07	2.69E-03	8.48E-07	3.60E-07
4704	495863.09, 3860377.25	2.11E-03	6.66E-07	2.82E-07	2.15E-03	6.79E-07	2.88E-07	2.15E-03	6.78E-07	2.88E-07
4705	496363.09, 3860377.25	1.70E-03	5.36E-07	2.27E-07	1.73E-03	5.47E-07	2.32E-07	1.73E-03	5.46E-07	2.32E-07
4706	496863.09, 3860377.25	1.43E-03	4.52E-07	1.92E-07	1.46E-03	4.61E-07	1.96E-07	1.46E-03	4.61E-07	1.96E-07
4707	497363.09, 3860377.25	1.19E-03	3.76E-07	1.59E-07	1.22E-03	3.84E-07	1.63E-07	1.21E-03	3.83E-07	1.63E-07
4708	497863.09, 3860377.25	1.30E-03	4.11E-07	1.74E-07	1.33E-03	4.19E-07	1.78E-07	1.33E-03	4.19E-07	1.78E-07

4709	498363.09, 3860377.25	1.34E-03	4.23E-07	1.80E-07	1.37E-03	4.32E-07	1.83E-07	1.37E-03	4.31E-07	1.83E-07
4710	471363.09, 3860877.25	2.59E-04	8.17E-08	3.47E-08	2.64E-04	8.34E-08	3.54E-08	2.64E-04	8.33E-08	3.54E-08
4711	471863.09, 3860877.25	2.67E-04	8.43E-08	3.57E-08	2.72E-04	8.60E-08	3.65E-08	2.72E-04	8.59E-08	3.64E-08
4712	472363.09, 3860877.25	2.75E-04	8.67E-08	3.68E-08	2.80E-04	8.84E-08	3.75E-08	2.80E-04	8.83E-08	3.75E-08
4713	472863.09, 3860877.25	2.83E-04	8.94E-08	3.79E-08	2.89E-04	9.12E-08	3.87E-08	2.89E-04	9.11E-08	3.86E-08
4714	473363.09, 3860877.25	2.91E-04	9.17E-08	3.89E-08	2.96E-04	9.36E-08	3.97E-08	2.96E-04	9.35E-08	3.97E-08
4715	473863.09, 3860877.25	2.98E-04	9.39E-08	3.99E-08	3.04E-04	9.58E-08	4.07E-08	3.03E-04	9.57E-08	4.06E-08
4716	474363.09, 3860877.25	3.04E-04	9.60E-08	4.07E-08	3.10E-04	9.79E-08	4.16E-08	3.10E-04	9.78E-08	4.15E-08
4717	474863.09, 3860877.25	3.10E-04	9.78E-08	4.15E-08	3.16E-04	9.98E-08	4.24E-08	3.16E-04	9.97E-08	4.23E-08
4718	475363.09, 3860877.25	3.09E-04	9.76E-08	4.14E-08	3.15E-04	9.95E-08	4.22E-08	3.15E-04	9.94E-08	4.22E-08
4719	475863.09, 3860877.25	3.01E-04	9.49E-08	4.02E-08	3.07E-04	9.68E-08	4.11E-08	3.06E-04	9.67E-08	4.10E-08
4720	476363.09, 3860877.25	2.79E-04	8.82E-08	3.74E-08	2.85E-04	9.00E-08	3.82E-08	2.85E-04	8.99E-08	3.81E-08
4721	476863.09, 3860877.25	2.69E-04	8.49E-08	3.60E-08	2.75E-04	8.66E-08	3.68E-08	2.74E-04	8.65E-08	3.67E-08
4722	477363.09, 3860877.25	2.71E-04	8.54E-08	3.62E-08	2.76E-04	8.71E-08	3.70E-08	2.76E-04	8.70E-08	3.69E-08
4723	477863.09, 3860877.25	2.44E-04	7.70E-08	3.27E-08	2.49E-04	7.86E-08	3.33E-08	2.49E-04	7.85E-08	3.33E-08
4724	478363.09, 3860877.25	1.64E-04	5.17E-08	2.19E-08	1.67E-04	5.28E-08	2.24E-08	1.67E-04	5.27E-08	2.24E-08
4725	478863.09, 3860877.25	2.79E-04	8.80E-08	3.73E-08	2.84E-04	8.98E-08	3.81E-08	2.84E-04	8.97E-08	3.80E-08
4726	479363.09, 3860877.25	3.37E-04	1.06E-07	4.51E-08	3.43E-04	1.08E-07	4.60E-08	3.43E-04	1.08E-07	4.59E-08
4727	479863.09, 3860877.25	3.71E-04	1.17E-07	4.97E-08	3.79E-04	1.20E-07	5.07E-08	3.78E-04	1.19E-07	5.07E-08
4728	480363.09, 3860877.25	3.94E-04	1.24E-07	5.27E-08	4.02E-04	1.27E-07	5.38E-08	4.01E-04	1.27E-07	5.37E-08
4729	480863.09, 3860877.25	4.06E-04	1.28E-07	5.44E-08	4.14E-04	1.31E-07	5.55E-08	4.14E-04	1.31E-07	5.54E-08
4730	481363.09, 3860877.25	4.17E-04	1.32E-07	5.59E-08	4.26E-04	1.34E-07	5.70E-08	4.25E-04	1.34E-07	5.69E-08
4731	481863.09, 3860877.25	4.30E-04	1.36E-07	5.76E-08	4.39E-04	1.39E-07	5.88E-08	4.38E-04	1.38E-07	5.87E-08
4732	482363.09, 3860877.25	4.47E-04	1.41E-07	5.99E-08	4.56E-04	1.44E-07	6.11E-08	4.56E-04	1.44E-07	6.10E-08
4733	482863.09, 3860877.25	4.66E-04	1.47E-07	6.24E-08	4.76E-04	1.50E-07	6.37E-08	4.75E-04	1.50E-07	6.36E-08
4734	483363.09, 3860877.25	4.93E-04	1.55E-07	6.60E-08	5.03E-04	1.59E-07	6.73E-08	5.02E-04	1.58E-07	6.72E-08
4735	483863.09, 3860877.25	5.28E-04	1.67E-07	7.07E-08	5.39E-04	1.70E-07	7.22E-08	5.38E-04	1.70E-07	7.21E-08
4736	484363.09, 3860877.25	5.71E-04	1.80E-07	7.65E-08	5.83E-04	1.84E-07	7.81E-08	5.82E-04	1.84E-07	7.80E-08
4737	484863.09, 3860877.25	6.13E-04	1.94E-07	8.21E-08	6.26E-04	1.97E-07	8.38E-08	6.25E-04	1.97E-07	8.37E-08
4738	485363.09, 3860877.25	6.72E-04	2.12E-07	9.00E-08	6.86E-04	2.16E-07	9.18E-08	6.85E-04	2.16E-07	9.17E-08
4739	485863.09, 3860877.25	7.43E-04	2.34E-07	9.95E-08	7.58E-04	2.39E-07	1.02E-07	7.57E-04	2.39E-07	1.01E-07
4740	486363.09, 3860877.25	8.17E-04	2.58E-07	1.09E-07	8.33E-04	2.63E-07	1.12E-07	8.33E-04	2.63E-07	1.11E-07
4741	486863.09, 3860877.25	9.20E-04	2.90E-07	1.23E-07	9.38E-04	2.96E-07	1.26E-07	9.37E-04	2.96E-07	1.26E-07
4742	487363.09, 3860877.25	1.06E-03	3.34E-07	1.42E-07	1.08E-03	3.41E-07	1.45E-07	1.08E-03	3.40E-07	1.44E-07
4743	487863.09, 3860877.25	1.24E-03	3.90E-07	1.66E-07	1.26E-03	3.98E-07	1.69E-07	1.26E-03	3.98E-07	1.69E-07
4744	488363.09, 3860877.25	1.51E-03	4.76E-07	2.02E-07	1.54E-03	4.86E-07	2.06E-07	1.54E-03	4.86E-07	2.06E-07
4745	488863.09, 3860877.25	1.75E-03	5.53E-07	2.35E-07	1.79E-03	5.64E-07	2.39E-07	1.79E-03	5.64E-07	2.39E-07
4746	489363.09, 3860877.25	2.11E-03	6.66E-07	2.83E-07	2.15E-03	6.80E-07	2.88E-07	2.15E-03	6.79E-07	2.88E-07
4747	489863.09, 3860877.25	2.40E-03	7.58E-07	3.22E-07	2.45E-03	7.74E-07	3.28E-07	2.45E-03	7.73E-07	3.28E-07
4748	490363.09, 3860877.25	2.90E-03	9.16E-07	3.89E-07	2.96E-03	9.35E-07	3.97E-07	2.96E-03	9.34E-07	3.96E-07
4749	490863.09, 3860877.25	3.56E-03	1.12E-06	4.77E-07	3.63E-03	1.15E-06	4.86E-07	3.63E-03	1.15E-06	4.86E-07
4750	491363.09, 3860877.25	4.28E-03	1.35E-06	5.73E-07	4.36E-03	1.38E-06	5.84E-07	4.36E-03	1.38E-06	5.84E-07
4751	491863.09, 3860877.25	4.65E-03	1.47E-06	6.22E-07	4.74E-03	1.50E-06	6.35E-07	4.74E-03	1.49E-06	6.34E-07
4752	492363.09, 3860877.25	4.50E-03	1.42E-06	6.03E-07	4.59E-03	1.45E-06	6.15E-07	4.59E-03	1.45E-06	6.14E-07
4753	492863.09, 3860877.25	4.37E-03	1.38E-06	5.85E-07	4.46E-03	1.41E-06	5.97E-07	4.45E-03	1.40E-06	5.96E-07
4754	493363.09, 3860877.25	3.88E-03	1.22E-06	5.20E-07	3.96E-03	1.25E-06	5.30E-07	3.96E-03	1.25E-06	5.30E-07
4755	493863.09, 3860877.25	3.29E-03	1.04E-06	4.41E-07	3.36E-03	1.06E-06	4.50E-07	3.35E-03	1.06E-06	4.49E-07
4756	494363.09, 3860877.25	2.84E-03	8.96E-07	3.80E-07	2.90E-03	9.14E-07	3.88E-07	2.89E-03	9.13E-07	3.87E-07
4757	494863.09, 3860877.25	2.49E-03	7.86E-07	3.34E-07	2.54E-03	8.02E-07	3.40E-07	2.54E-03	8.01E-07	3.40E-07
4758	495363.09, 3860877.25	2.22E-03	6.99E-07	2.97E-07	2.26E-03	7.14E-07	3.03E-07	2.26E-03	7.13E-07	3.02E-07
4759	495863.09, 3860877.25	1.98E-03	6.24E-07	2.65E-07	2.02E-03	6.37E-07	2.70E-07	2.02E-03	6.36E-07	2.70E-07
4760	496363.09, 3860877.25	1.79E-03	5.66E-07	2.40E-07	1.83E-03	5.78E-07	2.45E-07	1.83E-03	5.77E-07	2.45E-07
4761	496863.09, 3860877.25	1.52E-03	4.79E-07	2.03E-07	1.55E-03	4.89E-07	2.08E-07	1.55E-03	4.89E-07	2.07E-07
4762	497363.09, 3860877.25	1.40E-03	4.43E-07	1.88E-07	1.43E-03	4.52E-07	1.92E-07	1.43E-03	4.51E-07	1.91E-07
4763	497863.09, 3860877.25	1.27E-03	4.01E-07	1.70E-07	1.30E-03	4.09E-07	1.74E-07	1.29E-03	4.08E-07	1.73E-07
4764	498363.09, 3860877.25	1.25E-03	3.93E-07	1.67E-07	1.27E-03	4.01E-07	1.70E-07	1.27E-03	4.01E-07	1.70E-07
4765	471363.09, 3861377.25	2.52E-04	7.96E-08	3.38E-08	2.57E-04	8.12E-08	3.45E-08	2.57E-04	8.11E-08	3.44E-08
4766	471863.09, 3861377.25	2.59E-04	8.18E-08	3.47E-08	2.65E-04	8.35E-08	3.54E-08	2.64E-04	8.34E-08	3.54E-08
4767	472363.09, 3861377.25	2.66E-04	8.40E-08	3.56E-08	2.72E-04	8.57E-08	3.64E-08	2.71E-04	8.56E-08	3.63E-08
4768	472863.09, 3861377.25	2.73E-04	8.63E-08	3.66E-08	2.79E-04	8.81E-08	3.74E-08	2.79E-04	8.80E-08	3.73E-08
4769	473363.09, 3861377.25	2.80E-04	8.84E-08	3.75E-08	2.86E-04	9.02E-08	3.83E-08	2.86E-04	9.01E-08	3.82E-08
4770	473863.09, 3861377.25	2.87E-04	9.05E-08	3.84E-08	2.93E-04	9.23E-08	3.92E-08	2.92E-04	9.22E-08	3.91E-08

4771	474363.09, 3861377.25	2.94E-04	9.28E-08	3.94E-08	3.00E-04	9.47E-08	4.02E-08	3.00E-04	9.46E-08	4.01E-08
4772	474863.09, 3861377.25	2.99E-04	9.45E-08	4.01E-08	3.05E-04	9.64E-08	4.09E-08	3.05E-04	9.63E-08	4.09E-08
4773	475363.09, 3861377.25	3.07E-04	9.68E-08	4.11E-08	3.13E-04	9.88E-08	4.19E-08	3.13E-04	9.87E-08	4.19E-08
4774	475863.09, 3861377.25	3.09E-04	9.76E-08	4.14E-08	3.15E-04	9.95E-08	4.22E-08	3.15E-04	9.94E-08	4.22E-08
4775	476363.09, 3861377.25	3.07E-04	9.68E-08	4.11E-08	3.13E-04	9.88E-08	4.19E-08	3.13E-04	9.87E-08	4.19E-08
4776	476863.09, 3861377.25	3.04E-04	9.59E-08	4.07E-08	3.10E-04	9.78E-08	4.15E-08	3.10E-04	9.77E-08	4.15E-08
4777	477363.09, 3861377.25	3.03E-04	9.55E-08	4.05E-08	3.09E-04	9.75E-08	4.14E-08	3.08E-04	9.73E-08	4.13E-08
4778	477863.09, 3861377.25	2.69E-04	8.50E-08	3.61E-08	2.75E-04	8.67E-08	3.68E-08	2.74E-04	8.66E-08	3.68E-08
4779	478363.09, 3861377.25	1.88E-04	5.93E-08	2.52E-08	1.92E-04	6.05E-08	2.57E-08	1.92E-04	6.05E-08	2.57E-08
4780	478863.09, 3861377.25	2.16E-04	6.82E-08	2.89E-08	2.20E-04	6.96E-08	2.95E-08	2.20E-04	6.95E-08	2.95E-08
4781	479363.09, 3861377.25	3.11E-04	9.82E-08	4.17E-08	3.18E-04	1.00E-07	4.25E-08	3.17E-04	1.00E-07	4.25E-08
4782	479863.09, 3861377.25	3.51E-04	1.11E-07	4.70E-08	3.58E-04	1.13E-07	4.80E-08	3.58E-04	1.13E-07	4.79E-08
4783	480363.09, 3861377.25	3.76E-04	1.19E-07	5.03E-08	3.84E-04	1.21E-07	5.14E-08	3.83E-04	1.21E-07	5.13E-08
4784	480863.09, 3861377.25	3.87E-04	1.22E-07	5.19E-08	3.95E-04	1.25E-07	5.29E-08	3.95E-04	1.25E-07	5.29E-08
4785	481363.09, 3861377.25	3.99E-04	1.26E-07	5.35E-08	4.07E-04	1.29E-07	5.46E-08	4.07E-04	1.28E-07	5.45E-08
4786	481863.09, 3861377.25	4.14E-04	1.31E-07	5.54E-08	4.22E-04	1.33E-07	5.66E-08	4.22E-04	1.33E-07	5.65E-08
4787	482363.09, 3861377.25	4.31E-04	1.36E-07	5.76E-08	4.39E-04	1.39E-07	5.88E-08	4.39E-04	1.38E-07	5.88E-08
4788	482863.09, 3861377.25	4.49E-04	1.42E-07	6.01E-08	4.58E-04	1.45E-07	6.14E-08	4.58E-04	1.44E-07	6.13E-08
4789	483363.09, 3861377.25	4.74E-04	1.50E-07	6.35E-08	4.84E-04	1.53E-07	6.48E-08	4.83E-04	1.53E-07	6.47E-08
4790	483863.09, 3861377.25	5.10E-04	1.61E-07	6.83E-08	5.20E-04	1.64E-07	6.97E-08	5.20E-04	1.64E-07	6.96E-08
4791	484363.09, 3861377.25	5.49E-04	1.73E-07	7.36E-08	5.60E-04	1.77E-07	7.51E-08	5.60E-04	1.77E-07	7.50E-08
4792	484863.09, 3861377.25	5.87E-04	1.85E-07	7.86E-08	5.99E-04	1.89E-07	8.02E-08	5.99E-04	1.89E-07	8.02E-08
4793	485363.09, 3861377.25	6.22E-04	1.96E-07	8.33E-08	6.35E-04	2.00E-07	8.50E-08	6.34E-04	2.00E-07	8.49E-08
4794	485863.09, 3861377.25	6.75E-04	2.13E-07	9.04E-08	6.89E-04	2.17E-07	9.22E-08	6.88E-04	2.17E-07	9.21E-08
4795	486363.09, 3861377.25	7.36E-04	2.32E-07	9.85E-08	7.51E-04	2.37E-07	1.01E-07	7.50E-04	2.37E-07	1.00E-07
4796	486863.09, 3861377.25	8.17E-04	2.58E-07	1.09E-07	8.33E-04	2.63E-07	1.12E-07	8.33E-04	2.63E-07	1.11E-07
4797	487363.09, 3861377.25	9.18E-04	2.90E-07	1.23E-07	9.37E-04	2.96E-07	1.25E-07	9.36E-04	2.95E-07	1.25E-07
4798	487863.09, 3861377.25	1.04E-03	3.28E-07	1.39E-07	1.06E-03	3.34E-07	1.42E-07	1.06E-03	3.34E-07	1.42E-07
4799	488363.09, 3861377.25	1.16E-03	3.67E-07	1.56E-07	1.19E-03	3.75E-07	1.59E-07	1.19E-03	3.74E-07	1.59E-07
4800	488863.09, 3861377.25	1.33E-03	4.19E-07	1.78E-07	1.35E-03	4.27E-07	1.81E-07	1.35E-03	4.27E-07	1.81E-07
4801	489363.09, 3861377.25	1.47E-03	4.64E-07	1.97E-07	1.50E-03	4.73E-07	2.01E-07	1.50E-03	4.72E-07	2.00E-07
4802	489863.09, 3861377.25	1.64E-03	5.17E-07	2.19E-07	1.67E-03	5.27E-07	2.24E-07	1.67E-03	5.27E-07	2.23E-07
4803	490363.09, 3861377.25	1.77E-03	5.59E-07	2.37E-07	1.81E-03	5.70E-07	2.42E-07	1.80E-03	5.70E-07	2.42E-07
4804	490863.09, 3861377.25	1.94E-03	6.13E-07	2.60E-07	1.98E-03	6.25E-07	2.65E-07	1.98E-03	6.24E-07	2.65E-07
4805	491363.09, 3861377.25	2.04E-03	6.44E-07	2.73E-07	2.08E-03	6.57E-07	2.79E-07	2.08E-03	6.56E-07	2.79E-07
4806	491863.09, 3861377.25	2.01E-03	6.34E-07	2.69E-07	2.05E-03	6.47E-07	2.75E-07	2.05E-03	6.46E-07	2.74E-07
4807	492363.09, 3861377.25	2.03E-03	6.41E-07	2.72E-07	2.07E-03	6.54E-07	2.77E-07	2.07E-03	6.53E-07	2.77E-07
4808	492863.09, 3861377.25	1.96E-03	6.18E-07	2.62E-07	2.00E-03	6.31E-07	2.68E-07	2.00E-03	6.30E-07	2.67E-07
4809	493363.09, 3861377.25	2.02E-03	6.38E-07	2.71E-07	2.06E-03	6.51E-07	2.76E-07	2.06E-03	6.50E-07	2.76E-07
4810	493863.09, 3861377.25	1.97E-03	6.23E-07	2.64E-07	2.01E-03	6.36E-07	2.70E-07	2.01E-03	6.35E-07	2.69E-07
4811	494363.09, 3861377.25	1.84E-03	5.81E-07	2.46E-07	1.88E-03	5.93E-07	2.51E-07	1.88E-03	5.92E-07	2.51E-07
4812	494863.09, 3861377.25	1.72E-03	5.43E-07	2.30E-07	1.75E-03	5.54E-07	2.35E-07	1.75E-03	5.53E-07	2.35E-07
4813	495363.09, 3861377.25	1.60E-03	5.06E-07	2.15E-07	1.64E-03	5.16E-07	2.19E-07	1.63E-03	5.16E-07	2.19E-07
4814	495863.09, 3861377.25	1.49E-03	4.70E-07	1.99E-07	1.52E-03	4.79E-07	2.03E-07	1.52E-03	4.79E-07	2.03E-07
4815	496363.09, 3861377.25	1.41E-03	4.46E-07	1.89E-07	1.44E-03	4.56E-07	1.93E-07	1.44E-03	4.55E-07	1.93E-07
4816	496863.09, 3861377.25	1.35E-03	4.26E-07	1.81E-07	1.38E-03	4.35E-07	1.84E-07	1.38E-03	4.34E-07	1.84E-07
4817	497363.09, 3861377.25	1.27E-03	4.00E-07	1.70E-07	1.29E-03	4.09E-07	1.73E-07	1.29E-03	4.08E-07	1.73E-07
4818	497863.09, 3861377.25	1.19E-03	3.77E-07	1.60E-07	1.22E-03	3.85E-07	1.63E-07	1.22E-03	3.84E-07	1.63E-07
4819	498363.09, 3861377.25	1.13E-03	3.57E-07	1.52E-07	1.16E-03	3.65E-07	1.55E-07	1.15E-03	3.64E-07	1.55E-07
4820	471363.09, 3861877.25	2.43E-04	7.68E-08	3.26E-08	2.48E-04	7.84E-08	3.33E-08	2.48E-04	7.83E-08	3.32E-08
4821	471863.09, 3861877.25	2.49E-04	7.87E-08	3.34E-08	2.54E-04	8.03E-08	3.41E-08	2.54E-04	8.02E-08	3.40E-08
4822	472363.09, 3861877.25	2.55E-04	8.06E-08	3.42E-08	2.61E-04	8.23E-08	3.49E-08	2.60E-04	8.22E-08	3.49E-08
4823	472863.09, 3861877.25	2.62E-04	8.28E-08	3.51E-08	2.68E-04	8.45E-08	3.58E-08	2.67E-04	8.44E-08	3.58E-08
4824	473363.09, 3861877.25	2.69E-04	8.48E-08	3.60E-08	2.74E-04	8.65E-08	3.67E-08	2.74E-04	8.64E-08	3.67E-08
4825	473863.09, 3861877.25	2.75E-04	8.68E-08	3.68E-08	2.81E-04	8.85E-08	3.76E-08	2.80E-04	8.84E-08	3.75E-08
4826	474363.09, 3861877.25	2.81E-04	8.88E-08	3.77E-08	2.87E-04	9.06E-08	3.85E-08	2.87E-04	9.05E-08	3.84E-08
4827	474863.09, 3861877.25	2.87E-04	9.06E-08	3.84E-08	2.93E-04	9.24E-08	3.92E-08	2.93E-04	9.23E-08	3.92E-08
4828	475363.09, 3861877.25	2.92E-04	9.23E-08	3.91E-08	2.98E-04	9.41E-08	3.99E-08	2.98E-04	9.40E-08	3.99E-08
4829	475863.09, 3861877.25	2.97E-04	9.38E-08	3.98E-08	3.03E-04	9.58E-08	4.06E-08	3.03E-04	9.56E-08	4.06E-08
4830	476363.09, 3861877.25	3.01E-04	9.51E-08	4.04E-08	3.08E-04	9.71E-08	4.12E-08	3.07E-04	9.70E-08	4.11E-08
4831	476863.09, 3861877.25	3.03E-04	9.56E-08	4.06E-08	3.09E-04	9.76E-08	4.14E-08	3.09E-04	9.74E-08	4.13E-08
4832	477363.09, 3861877.25	3.02E-04	9.52E-08	4.04E-08	3.08E-04	9.72E-08	4.12E-08	3.08E-04	9.71E-08	4.12E-08

4833	477863.09, 3861877.25	2.61E-04	8.23E-08	3.49E-08	2.66E-04	8.40E-08	3.56E-08	2.66E-04	8.39E-08	3.56E-08
4834	478363.09, 3861877.25	1.59E-04	5.02E-08	2.13E-08	1.62E-04	5.12E-08	2.17E-08	1.62E-04	5.12E-08	2.17E-08
4835	478863.09, 3861877.25	2.27E-04	7.15E-08	3.03E-08	2.31E-04	7.30E-08	3.10E-08	2.31E-04	7.29E-08	3.09E-08
4836	479363.09, 3861877.25	2.10E-04	6.63E-08	2.81E-08	2.14E-04	6.77E-08	2.87E-08	2.14E-04	6.76E-08	2.87E-08
4837	479863.09, 3861877.25	3.32E-04	1.05E-07	4.45E-08	3.39E-04	1.07E-07	4.54E-08	3.39E-04	1.07E-07	4.54E-08
4838	480363.09, 3861877.25	3.59E-04	1.13E-07	4.81E-08	3.67E-04	1.16E-07	4.91E-08	3.66E-04	1.16E-07	4.91E-08
4839	480863.09, 3861877.25	3.70E-04	1.17E-07	4.95E-08	3.77E-04	1.19E-07	5.05E-08	3.77E-04	1.19E-07	5.05E-08
4840	481363.09, 3861877.25	3.81E-04	1.20E-07	5.10E-08	3.88E-04	1.23E-07	5.20E-08	3.88E-04	1.22E-07	5.20E-08
4841	481863.09, 3861877.25	3.94E-04	1.24E-07	5.28E-08	4.02E-04	1.27E-07	5.39E-08	4.02E-04	1.27E-07	5.38E-08
4842	482363.09, 3861877.25	4.10E-04	1.30E-07	5.50E-08	4.19E-04	1.32E-07	5.61E-08	4.18E-04	1.32E-07	5.60E-08
4843	482863.09, 3861877.25	4.31E-04	1.36E-07	5.77E-08	4.40E-04	1.39E-07	5.89E-08	4.39E-04	1.39E-07	5.88E-08
4844	483363.09, 3861877.25	4.56E-04	1.44E-07	6.10E-08	4.65E-04	1.47E-07	6.22E-08	4.64E-04	1.47E-07	6.22E-08
4845	483863.09, 3861877.25	4.84E-04	1.53E-07	6.48E-08	4.93E-04	1.56E-07	6.61E-08	4.93E-04	1.56E-07	6.60E-08
4846	484363.09, 3861877.25	5.12E-04	1.62E-07	6.85E-08	5.22E-04	1.65E-07	6.99E-08	5.22E-04	1.65E-07	6.99E-08
4847	484863.09, 3861877.25	5.44E-04	1.72E-07	7.28E-08	5.55E-04	1.75E-07	7.43E-08	5.54E-04	1.75E-07	7.42E-08
4848	485363.09, 3861877.25	5.78E-04	1.82E-07	7.74E-08	5.90E-04	1.86E-07	7.90E-08	5.89E-04	1.86E-07	7.89E-08
4849	485863.09, 3861877.25	6.12E-04	1.93E-07	8.19E-08	6.24E-04	1.97E-07	8.36E-08	6.23E-04	1.97E-07	8.35E-08
4850	486363.09, 3861877.25	6.61E-04	2.09E-07	8.85E-08	6.75E-04	2.13E-07	9.04E-08	6.74E-04	2.13E-07	9.02E-08
4851	486863.09, 3861877.25	7.23E-04	2.28E-07	9.69E-08	7.38E-04	2.33E-07	9.88E-08	7.37E-04	2.33E-07	9.87E-08
4852	487363.09, 3861877.25	7.98E-04	2.52E-07	1.07E-07	8.15E-04	2.57E-07	1.09E-07	8.14E-04	2.57E-07	1.09E-07
4853	487863.09, 3861877.25	8.74E-04	2.76E-07	1.17E-07	8.92E-04	2.81E-07	1.19E-07	8.91E-04	2.81E-07	1.19E-07
4854	488363.09, 3861877.25	9.54E-04	3.01E-07	1.28E-07	9.73E-04	3.07E-07	1.30E-07	9.72E-04	3.07E-07	1.30E-07
4855	488863.09, 3861877.25	1.03E-03	3.26E-07	1.38E-07	1.05E-03	3.33E-07	1.41E-07	1.05E-03	3.32E-07	1.41E-07
4856	489363.09, 3861877.25	1.09E-03	3.44E-07	1.46E-07	1.11E-03	3.51E-07	1.49E-07	1.11E-03	3.51E-07	1.49E-07
4857	489863.09, 3861877.25	1.17E-03	3.68E-07	1.56E-07	1.19E-03	3.76E-07	1.59E-07	1.19E-03	3.75E-07	1.59E-07
4858	490363.09, 3861877.25	1.22E-03	3.85E-07	1.64E-07	1.25E-03	3.93E-07	1.67E-07	1.24E-03	3.93E-07	1.67E-07
4859	490863.09, 3861877.25	1.27E-03	4.00E-07	1.70E-07	1.29E-03	4.08E-07	1.73E-07	1.29E-03	4.07E-07	1.73E-07
4860	491363.09, 3861877.25	1.28E-03	4.03E-07	1.71E-07	1.30E-03	4.11E-07	1.75E-07	1.30E-03	4.11E-07	1.74E-07
4861	491863.09, 3861877.25	1.28E-03	4.03E-07	1.71E-07	1.30E-03	4.11E-07	1.75E-07	1.30E-03	4.11E-07	1.74E-07
4862	492363.09, 3861877.25	1.26E-03	3.99E-07	1.69E-07	1.29E-03	4.07E-07	1.73E-07	1.29E-03	4.07E-07	1.73E-07
4863	492863.09, 3861877.25	1.27E-03	4.01E-07	1.70E-07	1.30E-03	4.09E-07	1.74E-07	1.30E-03	4.09E-07	1.73E-07
4864	493363.09, 3861877.25	1.23E-03	3.88E-07	1.65E-07	1.26E-03	3.96E-07	1.68E-07	1.25E-03	3.96E-07	1.68E-07
4865	493863.09, 3861877.25	1.21E-03	3.82E-07	1.62E-07	1.23E-03	3.90E-07	1.65E-07	1.23E-03	3.89E-07	1.65E-07
4866	494363.09, 3861877.25	1.25E-03	3.96E-07	1.68E-07	1.28E-03	4.04E-07	1.71E-07	1.28E-03	4.03E-07	1.71E-07
4867	494863.09, 3861877.25	1.24E-03	3.91E-07	1.66E-07	1.27E-03	3.99E-07	1.69E-07	1.26E-03	3.99E-07	1.69E-07
4868	495363.09, 3861877.25	1.18E-03	3.73E-07	1.58E-07	1.21E-03	3.80E-07	1.61E-07	1.20E-03	3.80E-07	1.61E-07
4869	495863.09, 3861877.25	1.12E-03	3.55E-07	1.50E-07	1.15E-03	3.62E-07	1.53E-07	1.14E-03	3.61E-07	1.53E-07
4870	496363.09, 3861877.25	1.08E-03	3.40E-07	1.44E-07	1.10E-03	3.47E-07	1.47E-07	1.10E-03	3.47E-07	1.47E-07
4871	496863.09, 3861877.25	1.08E-03	3.40E-07	1.44E-07	1.10E-03	3.47E-07	1.47E-07	1.10E-03	3.46E-07	1.47E-07
4872	497363.09, 3861877.25	1.01E-03	3.20E-07	1.36E-07	1.03E-03	3.26E-07	1.38E-07	1.03E-03	3.26E-07	1.38E-07
4873	497863.09, 3861877.25	9.63E-04	3.04E-07	1.29E-07	9.83E-04	3.10E-07	1.32E-07	9.81E-04	3.10E-07	1.31E-07
4874	498363.09, 3861877.25	9.24E-04	2.92E-07	1.24E-07	9.43E-04	2.98E-07	1.26E-07	9.42E-04	2.97E-07	1.26E-07
4875	471363.09, 3862377.25	2.33E-04	7.35E-08	3.12E-08	2.38E-04	7.50E-08	3.18E-08	2.37E-04	7.49E-08	3.18E-08
4876	471863.09, 3862377.25	2.38E-04	7.51E-08	3.19E-08	2.43E-04	7.67E-08	3.25E-08	2.43E-04	7.66E-08	3.25E-08
4877	472363.09, 3862377.25	2.44E-04	7.70E-08	3.27E-08	2.49E-04	7.86E-08	3.33E-08	2.49E-04	7.85E-08	3.33E-08
4878	472863.09, 3862377.25	2.50E-04	7.89E-08	3.35E-08	2.55E-04	8.05E-08	3.41E-08	2.55E-04	8.04E-08	3.41E-08
4879	473363.09, 3862377.25	2.56E-04	8.08E-08	3.43E-08	2.61E-04	8.25E-08	3.50E-08	2.61E-04	8.24E-08	3.49E-08
4880	473863.09, 3862377.25	2.62E-04	8.28E-08	3.51E-08	2.68E-04	8.45E-08	3.58E-08	2.67E-04	8.44E-08	3.58E-08
4881	474363.09, 3862377.25	2.68E-04	8.46E-08	3.59E-08	2.74E-04	8.64E-08	3.66E-08	2.73E-04	8.63E-08	3.66E-08
4882	474863.09, 3862377.25	2.72E-04	8.58E-08	3.64E-08	2.78E-04	8.76E-08	3.72E-08	2.77E-04	8.75E-08	3.71E-08
4883	475363.09, 3862377.25	2.77E-04	8.73E-08	3.71E-08	2.82E-04	8.91E-08	3.78E-08	2.82E-04	8.90E-08	3.78E-08
4884	475863.09, 3862377.25	2.81E-04	8.87E-08	3.76E-08	2.87E-04	9.05E-08	3.84E-08	2.87E-04	9.04E-08	3.84E-08
4885	476363.09, 3862377.25	2.86E-04	9.02E-08	3.83E-08	2.92E-04	9.21E-08	3.91E-08	2.91E-04	9.19E-08	3.90E-08
4886	476863.09, 3862377.25	2.91E-04	9.19E-08	3.90E-08	2.97E-04	9.38E-08	3.98E-08	2.97E-04	9.37E-08	3.97E-08
4887	477363.09, 3862377.25	2.93E-04	9.23E-08	3.92E-08	2.99E-04	9.42E-08	4.00E-08	2.98E-04	9.41E-08	3.99E-08
4888	477863.09, 3862377.25	2.67E-04	8.42E-08	3.57E-08	2.72E-04	8.59E-08	3.64E-08	2.72E-04	8.58E-08	3.64E-08
4889	478363.09, 3862377.25	2.31E-04	7.30E-08	3.10E-08	2.36E-04	7.45E-08	3.16E-08	2.36E-04	7.44E-08	3.16E-08
4890	478863.09, 3862377.25	2.37E-04	7.50E-08	3.18E-08	2.42E-04	7.65E-08	3.25E-08	2.42E-04	7.64E-08	3.24E-08
4891	479363.09, 3862377.25	2.63E-04	8.30E-08	3.52E-08	2.68E-04	8.47E-08	3.59E-08	2.68E-04	8.46E-08	3.59E-08
4892	479863.09, 3862377.25	3.25E-04	1.03E-07	4.35E-08	3.32E-04	1.05E-07	4.44E-08	3.31E-04	1.05E-07	4.44E-08
4893	480363.09, 3862377.25	3.44E-04	1.09E-07	4.60E-08	3.51E-04	1.11E-07	4.70E-08	3.50E-04	1.11E-07	4.69E-08
4894	480863.09, 3862377.25	3.53E-04	1.11E-07	4.73E-08	3.60E-04	1.14E-07	4.82E-08	3.60E-04	1.14E-07	4.82E-08

4895	481363.09, 3862377.25	3.65E-04	1.15E-07	4.89E-08	3.73E-04	1.18E-07	4.99E-08	3.72E-04	1.17E-07	4.98E-08
4896	481863.09, 3862377.25	3.80E-04	1.20E-07	5.09E-08	3.88E-04	1.22E-07	5.19E-08	3.87E-04	1.22E-07	5.18E-08
4897	482363.09, 3862377.25	3.96E-04	1.25E-07	5.30E-08	4.04E-04	1.28E-07	5.41E-08	4.04E-04	1.27E-07	5.41E-08
4898	482863.09, 3862377.25	4.13E-04	1.30E-07	5.52E-08	4.21E-04	1.33E-07	5.64E-08	4.20E-04	1.33E-07	5.63E-08
4899	483363.09, 3862377.25	4.30E-04	1.36E-07	5.76E-08	4.39E-04	1.39E-07	5.88E-08	4.38E-04	1.38E-07	5.87E-08
4900	483863.09, 3862377.25	4.51E-04	1.42E-07	6.04E-08	4.60E-04	1.45E-07	6.16E-08	4.59E-04	1.45E-07	6.15E-08
4901	484363.09, 3862377.25	4.76E-04	1.50E-07	6.37E-08	4.86E-04	1.53E-07	6.50E-08	4.85E-04	1.53E-07	6.50E-08
4902	484863.09, 3862377.25	5.01E-04	1.58E-07	6.71E-08	5.11E-04	1.61E-07	6.84E-08	5.11E-04	1.61E-07	6.84E-08
4903	485363.09, 3862377.25	5.25E-04	1.66E-07	7.03E-08	5.36E-04	1.69E-07	7.18E-08	5.35E-04	1.69E-07	7.17E-08
4904	485863.09, 3862377.25	5.56E-04	1.75E-07	7.45E-08	5.67E-04	1.79E-07	7.60E-08	5.67E-04	1.79E-07	7.59E-08
4905	486363.09, 3862377.25	5.91E-04	1.86E-07	7.91E-08	6.03E-04	1.90E-07	8.07E-08	6.02E-04	1.90E-07	8.06E-08
4906	486863.09, 3862377.25	6.35E-04	2.01E-07	8.51E-08	6.48E-04	2.05E-07	8.68E-08	6.48E-04	2.04E-07	8.67E-08
4907	487363.09, 3862377.25	6.86E-04	2.17E-07	9.19E-08	7.00E-04	2.21E-07	9.38E-08	6.99E-04	2.21E-07	9.37E-08
4908	487863.09, 3862377.25	7.36E-04	2.32E-07	9.86E-08	7.51E-04	2.37E-07	1.01E-07	7.50E-04	2.37E-07	1.00E-07
4909	488363.09, 3862377.25	7.83E-04	2.47E-07	1.05E-07	7.99E-04	2.52E-07	1.07E-07	7.98E-04	2.52E-07	1.07E-07
4910	488863.09, 3862377.25	8.31E-04	2.62E-07	1.11E-07	8.48E-04	2.68E-07	1.14E-07	8.47E-04	2.67E-07	1.13E-07
4911	489363.09, 3862377.25	8.77E-04	2.77E-07	1.17E-07	8.95E-04	2.82E-07	1.20E-07	8.94E-04	2.82E-07	1.20E-07
4912	489863.09, 3862377.25	9.21E-04	2.91E-07	1.23E-07	9.40E-04	2.97E-07	1.26E-07	9.39E-04	2.96E-07	1.26E-07
4913	490363.09, 3862377.25	9.54E-04	3.01E-07	1.28E-07	9.74E-04	3.07E-07	1.30E-07	9.72E-04	3.07E-07	1.30E-07
4914	490863.09, 3862377.25	9.53E-04	3.01E-07	1.28E-07	9.72E-04	3.07E-07	1.30E-07	9.71E-04	3.07E-07	1.30E-07
4915	491363.09, 3862377.25	9.43E-04	2.98E-07	1.26E-07	9.62E-04	3.04E-07	1.29E-07	9.61E-04	3.03E-07	1.29E-07
4916	491863.09, 3862377.25	9.23E-04	2.91E-07	1.24E-07	9.42E-04	2.97E-07	1.26E-07	9.41E-04	2.97E-07	1.26E-07
4917	492363.09, 3862377.25	9.32E-04	2.94E-07	1.25E-07	9.51E-04	3.00E-07	1.27E-07	9.50E-04	3.00E-07	1.27E-07
4918	492863.09, 3862377.25	9.46E-04	2.99E-07	1.27E-07	9.65E-04	3.05E-07	1.29E-07	9.64E-04	3.04E-07	1.29E-07
4919	493363.09, 3862377.25	9.39E-04	2.96E-07	1.26E-07	9.58E-04	3.02E-07	1.28E-07	9.57E-04	3.02E-07	1.28E-07
4920	493863.09, 3862377.25	9.07E-04	2.86E-07	1.21E-07	9.25E-04	2.92E-07	1.24E-07	9.24E-04	2.92E-07	1.24E-07
4921	494363.09, 3862377.25	8.71E-04	2.75E-07	1.17E-07	8.89E-04	2.80E-07	1.19E-07	8.87E-04	2.80E-07	1.19E-07
4922	494863.09, 3862377.25	8.90E-04	2.81E-07	1.19E-07	9.08E-04	2.87E-07	1.22E-07	9.07E-04	2.86E-07	1.21E-07
4923	495363.09, 3862377.25	9.04E-04	2.85E-07	1.21E-07	9.23E-04	2.91E-07	1.24E-07	9.22E-04	2.91E-07	1.23E-07
4924	495863.09, 3862377.25	8.87E-04	2.80E-07	1.19E-07	9.05E-04	2.86E-07	1.21E-07	9.04E-04	2.85E-07	1.21E-07
4925	496363.09, 3862377.25	8.51E-04	2.69E-07	1.14E-07	8.69E-04	2.74E-07	1.16E-07	8.68E-04	2.74E-07	1.16E-07
4926	496863.09, 3862377.25	8.31E-04	2.62E-07	1.11E-07	8.48E-04	2.68E-07	1.14E-07	8.47E-04	2.67E-07	1.13E-07
4927	497363.09, 3862377.25	7.96E-04	2.51E-07	1.07E-07	8.12E-04	2.56E-07	1.09E-07	8.11E-04	2.56E-07	1.09E-07
4928	497863.09, 3862377.25	7.69E-04	2.43E-07	1.03E-07	7.85E-04	2.48E-07	1.05E-07	7.84E-04	2.47E-07	1.05E-07
4929	498363.09, 3862377.25	7.42E-04	2.34E-07	9.93E-08	7.57E-04	2.39E-07	1.01E-07	7.56E-04	2.39E-07	1.01E-07
4930	471363.09, 3862877.25	2.22E-04	7.01E-08	2.98E-08	2.27E-04	7.16E-08	3.04E-08	2.26E-04	7.15E-08	3.03E-08
4931	471863.09, 3862877.25	2.27E-04	7.16E-08	3.04E-08	2.32E-04	7.31E-08	3.10E-08	2.31E-04	7.30E-08	3.10E-08
4932	472363.09, 3862877.25	2.32E-04	7.33E-08	3.11E-08	2.37E-04	7.48E-08	3.17E-08	2.37E-04	7.47E-08	3.17E-08
4933	472863.09, 3862877.25	2.38E-04	7.51E-08	3.18E-08	2.43E-04	7.66E-08	3.25E-08	2.42E-04	7.65E-08	3.25E-08
4934	473363.09, 3862877.25	2.44E-04	7.70E-08	3.27E-08	2.49E-04	7.86E-08	3.33E-08	2.49E-04	7.85E-08	3.33E-08
4935	473863.09, 3862877.25	2.50E-04	7.88E-08	3.34E-08	2.55E-04	8.04E-08	3.41E-08	2.54E-04	8.03E-08	3.41E-08
4936	474363.09, 3862877.25	2.55E-04	8.04E-08	3.41E-08	2.60E-04	8.21E-08	3.48E-08	2.60E-04	8.20E-08	3.48E-08
4937	474863.09, 3862877.25	2.59E-04	8.17E-08	3.47E-08	2.64E-04	8.34E-08	3.54E-08	2.64E-04	8.33E-08	3.54E-08
4938	475363.09, 3862877.25	2.63E-04	8.31E-08	3.53E-08	2.69E-04	8.48E-08	3.60E-08	2.68E-04	8.47E-08	3.60E-08
4939	475863.09, 3862877.25	2.68E-04	8.45E-08	3.59E-08	2.73E-04	8.63E-08	3.66E-08	2.73E-04	8.62E-08	3.66E-08
4940	476363.09, 3862877.25	2.73E-04	8.61E-08	3.65E-08	2.78E-04	8.79E-08	3.73E-08	2.78E-04	8.78E-08	3.72E-08
4941	476863.09, 3862877.25	2.78E-04	8.79E-08	3.73E-08	2.84E-04	8.97E-08	3.81E-08	2.84E-04	8.96E-08	3.80E-08
4942	477363.09, 3862877.25	2.83E-04	8.93E-08	3.79E-08	2.89E-04	9.11E-08	3.87E-08	2.88E-04	9.10E-08	3.86E-08
4943	477863.09, 3862877.25	2.78E-04	8.79E-08	3.73E-08	2.84E-04	8.97E-08	3.81E-08	2.84E-04	8.96E-08	3.80E-08
4944	478363.09, 3862877.25	2.48E-04	7.84E-08	3.33E-08	2.53E-04	8.00E-08	3.39E-08	2.53E-04	7.99E-08	3.39E-08
4945	478863.09, 3862877.25	2.53E-04	8.00E-08	3.39E-08	2.59E-04	8.16E-08	3.46E-08	2.58E-04	8.15E-08	3.46E-08
4946	479363.09, 3862877.25	2.63E-04	8.31E-08	3.53E-08	2.69E-04	8.48E-08	3.60E-08	2.68E-04	8.47E-08	3.60E-08
4947	479863.09, 3862877.25	3.20E-04	1.01E-07	4.29E-08	3.27E-04	1.03E-07	4.37E-08	3.26E-04	1.03E-07	4.37E-08
4948	480363.09, 3862877.25	3.31E-04	1.04E-07	4.43E-08	3.38E-04	1.07E-07	4.52E-08	3.37E-04	1.06E-07	4.52E-08
4949	480863.09, 3862877.25	3.41E-04	1.08E-07	4.57E-08	3.48E-04	1.10E-07	4.66E-08	3.48E-04	1.10E-07	4.66E-08
4950	481363.09, 3862877.25	3.52E-04	1.11E-07	4.72E-08	3.60E-04	1.13E-07	4.82E-08	3.59E-04	1.13E-07	4.81E-08
4951	481863.09, 3862877.25	3.65E-04	1.15E-07	4.89E-08	3.72E-04	1.17E-07	4.98E-08	3.72E-04	1.17E-07	4.98E-08
4952	482363.09, 3862877.25	3.76E-04	1.19E-07	5.03E-08	3.84E-04	1.21E-07	5.14E-08	3.83E-04	1.21E-07	5.13E-08
4953	482863.09, 3862877.25	3.88E-04	1.23E-07	5.20E-08	3.96E-04	1.25E-07	5.31E-08	3.96E-04	1.25E-07	5.30E-08
4954	483363.09, 3862877.25	4.03E-04	1.27E-07	5.40E-08	4.11E-04	1.30E-07	5.51E-08	4.11E-04	1.30E-07	5.50E-08
4955	483863.09, 3862877.25	4.20E-04	1.33E-07	5.63E-08	4.29E-04	1.35E-07	5.74E-08	4.28E-04	1.35E-07	5.73E-08
4956	484363.09, 3862877.25	4.39E-04	1.39E-07	5.88E-08	4.48E-04	1.41E-07	6.00E-08	4.48E-04	1.41E-07	6.00E-08

4957	484863.09, 3862877.25	4.56E-04	1.44E-07	6.10E-08	4.65E-04	1.47E-07	6.22E-08	4.64E-04	1.47E-07	6.22E-08
4958	485363.09, 3862877.25	4.76E-04	1.50E-07	6.37E-08	4.85E-04	1.53E-07	6.50E-08	4.85E-04	1.53E-07	6.49E-08
4959	485863.09, 3862877.25	4.99E-04	1.57E-07	6.68E-08	5.09E-04	1.61E-07	6.82E-08	5.08E-04	1.60E-07	6.81E-08
4960	486363.09, 3862877.25	5.29E-04	1.67E-07	7.08E-08	5.40E-04	1.70E-07	7.23E-08	5.39E-04	1.70E-07	7.22E-08
4961	486863.09, 3862877.25	5.59E-04	1.76E-07	7.48E-08	5.70E-04	1.80E-07	7.63E-08	5.69E-04	1.80E-07	7.63E-08
4962	487363.09, 3862877.25	5.90E-04	1.86E-07	7.90E-08	6.02E-04	1.90E-07	8.06E-08	6.01E-04	1.90E-07	8.05E-08
4963	487863.09, 3862877.25	6.24E-04	1.97E-07	8.35E-08	6.36E-04	2.01E-07	8.52E-08	6.35E-04	2.01E-07	8.51E-08
4964	488363.09, 3862877.25	6.62E-04	2.09E-07	8.87E-08	6.76E-04	2.13E-07	9.05E-08	6.75E-04	2.13E-07	9.04E-08
4965	488863.09, 3862877.25	6.97E-04	2.20E-07	9.34E-08	7.11E-04	2.25E-07	9.53E-08	7.11E-04	2.24E-07	9.52E-08
4966	489363.09, 3862877.25	7.23E-04	2.28E-07	9.69E-08	7.38E-04	2.33E-07	9.88E-08	7.37E-04	2.33E-07	9.87E-08
4967	489863.09, 3862877.25	7.46E-04	2.35E-07	9.99E-08	7.61E-04	2.40E-07	1.02E-07	7.60E-04	2.40E-07	1.02E-07
4968	490363.09, 3862877.25	7.56E-04	2.39E-07	1.01E-07	7.72E-04	2.44E-07	1.03E-07	7.71E-04	2.43E-07	1.03E-07
4969	490863.09, 3862877.25	7.50E-04	2.37E-07	1.00E-07	7.66E-04	2.42E-07	1.03E-07	7.65E-04	2.41E-07	1.02E-07
4970	491363.09, 3862877.25	7.50E-04	2.37E-07	1.00E-07	7.65E-04	2.41E-07	1.02E-07	7.64E-04	2.41E-07	1.02E-07
4971	491863.09, 3862877.25	7.29E-04	2.30E-07	9.76E-08	7.44E-04	2.35E-07	9.96E-08	7.43E-04	2.34E-07	9.95E-08
4972	492363.09, 3862877.25	7.35E-04	2.32E-07	9.84E-08	7.50E-04	2.37E-07	1.00E-07	7.49E-04	2.36E-07	1.00E-07
4973	492863.09, 3862877.25	7.33E-04	2.31E-07	9.81E-08	7.47E-04	2.36E-07	1.00E-07	7.47E-04	2.36E-07	1.00E-07
4974	493363.09, 3862877.25	7.48E-04	2.36E-07	1.00E-07	7.63E-04	2.41E-07	1.02E-07	7.62E-04	2.41E-07	1.02E-07
4975	493863.09, 3862877.25	7.45E-04	2.35E-07	9.98E-08	7.61E-04	2.40E-07	1.02E-07	7.60E-04	2.40E-07	1.02E-07
4976	494363.09, 3862877.25	7.22E-04	2.28E-07	9.67E-08	7.37E-04	2.33E-07	9.86E-08	7.36E-04	2.32E-07	9.85E-08
4977	494863.09, 3862877.25	6.83E-04	2.15E-07	9.14E-08	6.97E-04	2.20E-07	9.33E-08	6.96E-04	2.20E-07	9.32E-08
4978	495363.09, 3862877.25	6.75E-04	2.13E-07	9.04E-08	6.89E-04	2.18E-07	9.23E-08	6.88E-04	2.17E-07	9.22E-08
4979	495863.09, 3862877.25	6.95E-04	2.19E-07	9.30E-08	7.09E-04	2.24E-07	9.49E-08	7.08E-04	2.24E-07	9.48E-08
4980	496363.09, 3862877.25	7.05E-04	2.23E-07	9.44E-08	7.20E-04	2.27E-07	9.64E-08	7.19E-04	2.27E-07	9.62E-08
4981	496863.09, 3862877.25	6.91E-04	2.18E-07	9.26E-08	7.05E-04	2.23E-07	9.45E-08	7.05E-04	2.22E-07	9.43E-08
4982	497363.09, 3862877.25	6.66E-04	2.10E-07	8.91E-08	6.79E-04	2.14E-07	9.10E-08	6.78E-04	2.14E-07	9.09E-08
4983	497863.09, 3862877.25	6.44E-04	2.03E-07	8.62E-08	6.57E-04	2.07E-07	8.80E-08	6.56E-04	2.07E-07	8.79E-08
4984	498363.09, 3862877.25	6.28E-04	1.98E-07	8.41E-08	6.41E-04	2.02E-07	8.58E-08	6.40E-04	2.02E-07	8.57E-08
4985	471363.09, 3863377.25	2.12E-04	6.70E-08	2.84E-08	2.16E-04	6.83E-08	2.90E-08	2.16E-04	6.82E-08	2.90E-08
4986	471863.09, 3863377.25	2.17E-04	6.84E-08	2.90E-08	2.21E-04	6.98E-08	2.96E-08	2.21E-04	6.98E-08	2.96E-08
4987	472363.09, 3863377.25	2.22E-04	7.01E-08	2.98E-08	2.27E-04	7.16E-08	3.04E-08	2.26E-04	7.15E-08	3.03E-08
4988	472863.09, 3863377.25	2.28E-04	7.19E-08	3.05E-08	2.32E-04	7.34E-08	3.11E-08	2.32E-04	7.33E-08	3.11E-08
4989	473363.09, 3863377.25	2.33E-04	7.37E-08	3.13E-08	2.38E-04	7.52E-08	3.19E-08	2.38E-04	7.51E-08	3.19E-08
4990	473863.09, 3863377.25	2.39E-04	7.54E-08	3.20E-08	2.44E-04	7.70E-08	3.27E-08	2.44E-04	7.69E-08	3.26E-08
4991	474363.09, 3863377.25	2.44E-04	7.70E-08	3.27E-08	2.49E-04	7.86E-08	3.33E-08	2.49E-04	7.85E-08	3.33E-08
4992	474863.09, 3863377.25	2.48E-04	7.84E-08	3.33E-08	2.53E-04	8.00E-08	3.39E-08	2.53E-04	7.99E-08	3.39E-08
4993	475363.09, 3863377.25	2.53E-04	7.98E-08	3.39E-08	2.58E-04	8.14E-08	3.45E-08	2.58E-04	8.13E-08	3.45E-08
4994	475863.09, 3863377.25	2.58E-04	8.14E-08	3.45E-08	2.63E-04	8.30E-08	3.52E-08	2.63E-04	8.29E-08	3.52E-08
4995	476363.09, 3863377.25	2.63E-04	8.30E-08	3.52E-08	2.69E-04	8.47E-08	3.60E-08	2.68E-04	8.46E-08	3.59E-08
4996	476863.09, 3863377.25	2.68E-04	8.46E-08	3.59E-08	2.74E-04	8.64E-08	3.66E-08	2.73E-04	8.63E-08	3.66E-08
4997	477363.09, 3863377.25	2.73E-04	8.63E-08	3.66E-08	2.79E-04	8.81E-08	3.74E-08	2.79E-04	8.80E-08	3.73E-08
4998	477863.09, 3863377.25	2.76E-04	8.71E-08	3.70E-08	2.82E-04	8.89E-08	3.77E-08	2.81E-04	8.88E-08	3.77E-08
4999	478363.09, 3863377.25	2.68E-04	8.44E-08	3.58E-08	2.73E-04	8.62E-08	3.66E-08	2.73E-04	8.61E-08	3.65E-08
5000	478863.09, 3863377.25	2.78E-04	8.76E-08	3.72E-08	2.83E-04	8.94E-08	3.79E-08	2.83E-04	8.93E-08	3.79E-08
5001	479363.09, 3863377.25	2.98E-04	9.39E-08	3.99E-08	3.04E-04	9.58E-08	4.07E-08	3.03E-04	9.57E-08	4.06E-08
5002	479863.09, 3863377.25	3.11E-04	9.81E-08	4.16E-08	3.17E-04	1.00E-07	4.25E-08	3.17E-04	1.00E-07	4.24E-08
5003	480363.09, 3863377.25	3.19E-04	1.01E-07	4.27E-08	3.26E-04	1.03E-07	4.36E-08	3.25E-04	1.03E-07	4.36E-08
5004	480863.09, 3863377.25	3.28E-04	1.04E-07	4.39E-08	3.35E-04	1.06E-07	4.48E-08	3.34E-04	1.05E-07	4.48E-08
5005	481363.09, 3863377.25	3.36E-04	1.06E-07	4.50E-08	3.43E-04	1.08E-07	4.59E-08	3.42E-04	1.08E-07	4.58E-08
5006	481863.09, 3863377.25	3.44E-04	1.09E-07	4.60E-08	3.51E-04	1.11E-07	4.70E-08	3.50E-04	1.11E-07	4.69E-08
5007	482363.09, 3863377.25	3.52E-04	1.11E-07	4.72E-08	3.60E-04	1.13E-07	4.82E-08	3.59E-04	1.13E-07	4.81E-08
5008	482863.09, 3863377.25	3.62E-04	1.14E-07	4.84E-08	3.69E-04	1.16E-07	4.94E-08	3.68E-04	1.16E-07	4.93E-08
5009	483363.09, 3863377.25	3.73E-04	1.18E-07	5.00E-08	3.81E-04	1.20E-07	5.10E-08	3.80E-04	1.20E-07	5.09E-08
5010	483863.09, 3863377.25	3.86E-04	1.22E-07	5.17E-08	3.94E-04	1.24E-07	5.27E-08	3.93E-04	1.24E-07	5.27E-08
5011	484363.09, 3863377.25	3.99E-04	1.26E-07	5.34E-08	4.07E-04	1.28E-07	5.45E-08	4.07E-04	1.28E-07	5.45E-08
5012	484863.09, 3863377.25	4.15E-04	1.31E-07	5.55E-08	4.23E-04	1.34E-07	5.67E-08	4.23E-04	1.33E-07	5.66E-08
5013	485363.09, 3863377.25	4.31E-04	1.36E-07	5.77E-08	4.40E-04	1.39E-07	5.89E-08	4.39E-04	1.39E-07	5.88E-08
5014	485863.09, 3863377.25	4.49E-04	1.42E-07	6.01E-08	4.58E-04	1.45E-07	6.14E-08	4.58E-04	1.44E-07	6.13E-08
5015	486363.09, 3863377.25	4.70E-04	1.48E-07	6.29E-08	4.79E-04	1.51E-07	6.42E-08	4.79E-04	1.51E-07	6.41E-08
5016	486863.09, 3863377.25	4.92E-04	1.55E-07	6.59E-08	5.02E-04	1.59E-07	6.73E-08	5.02E-04	1.58E-07	6.72E-08
5017	487363.09, 3863377.25	5.16E-04	1.63E-07	6.91E-08	5.27E-04	1.66E-07	7.05E-08	5.26E-04	1.66E-07	7.05E-08
5018	487863.09, 3863377.25	5.45E-04	1.72E-07	7.30E-08	5.56E-04	1.75E-07	7.44E-08	5.55E-04	1.75E-07	7.44E-08

5019	488363.09, 3863377.25	5.72E-04	1.81E-07	7.66E-08	5.84E-04	1.84E-07	7.82E-08	5.83E-04	1.84E-07	7.81E-08
5020	488863.09, 3863377.25	5.96E-04	1.88E-07	7.99E-08	6.09E-04	1.92E-07	8.15E-08	6.08E-04	1.92E-07	8.14E-08
5021	489363.09, 3863377.25	6.11E-04	1.93E-07	8.18E-08	6.23E-04	1.97E-07	8.34E-08	6.22E-04	1.96E-07	8.33E-08
5022	489863.09, 3863377.25	6.17E-04	1.95E-07	8.26E-08	6.30E-04	1.99E-07	8.43E-08	6.29E-04	1.98E-07	8.42E-08
5023	490363.09, 3863377.25	6.19E-04	1.95E-07	8.29E-08	6.32E-04	1.99E-07	8.46E-08	6.31E-04	1.99E-07	8.45E-08
5024	490863.09, 3863377.25	6.20E-04	1.96E-07	8.30E-08	6.32E-04	2.00E-07	8.47E-08	6.32E-04	1.99E-07	8.46E-08
5025	491363.09, 3863377.25	6.06E-04	1.91E-07	8.11E-08	6.18E-04	1.95E-07	8.28E-08	6.17E-04	1.95E-07	8.27E-08
5026	491863.09, 3863377.25	5.98E-04	1.89E-07	8.01E-08	6.11E-04	1.93E-07	8.18E-08	6.10E-04	1.93E-07	8.17E-08
5027	492363.09, 3863377.25	6.13E-04	1.93E-07	8.20E-08	6.25E-04	1.97E-07	8.37E-08	6.24E-04	1.97E-07	8.36E-08
5028	492863.09, 3863377.25	6.22E-04	1.96E-07	8.33E-08	6.34E-04	2.00E-07	8.50E-08	6.34E-04	2.00E-07	8.49E-08
5029	493363.09, 3863377.25	6.30E-04	1.99E-07	8.43E-08	6.43E-04	2.03E-07	8.60E-08	6.42E-04	2.03E-07	8.59E-08
5030	493863.09, 3863377.25	6.33E-04	2.00E-07	8.47E-08	6.46E-04	2.04E-07	8.64E-08	6.45E-04	2.04E-07	8.63E-08
5031	494363.09, 3863377.25	6.26E-04	1.98E-07	8.39E-08	6.39E-04	2.02E-07	8.56E-08	6.38E-04	2.01E-07	8.55E-08
5032	494863.09, 3863377.25	6.11E-04	1.93E-07	8.18E-08	6.23E-04	1.97E-07	8.35E-08	6.23E-04	1.96E-07	8.34E-08
5033	495363.09, 3863377.25	5.86E-04	1.85E-07	7.85E-08	5.98E-04	1.89E-07	8.01E-08	5.97E-04	1.89E-07	8.00E-08
5034	495863.09, 3863377.25	5.75E-04	1.81E-07	7.69E-08	5.86E-04	1.85E-07	7.85E-08	5.86E-04	1.85E-07	7.84E-08
5035	496363.09, 3863377.25	5.65E-04	1.78E-07	7.57E-08	5.77E-04	1.82E-07	7.73E-08	5.76E-04	1.82E-07	7.72E-08
5036	496863.09, 3863377.25	5.66E-04	1.79E-07	7.58E-08	5.78E-04	1.82E-07	7.74E-08	5.77E-04	1.82E-07	7.73E-08
5037	497363.09, 3863377.25	5.70E-04	1.80E-07	7.64E-08	5.82E-04	1.84E-07	7.79E-08	5.81E-04	1.83E-07	7.78E-08
5038	497863.09, 3863377.25	5.62E-04	1.77E-07	7.52E-08	5.73E-04	1.81E-07	7.67E-08	5.72E-04	1.81E-07	7.67E-08
5039	498363.09, 3863377.25	5.45E-04	1.72E-07	7.30E-08	5.56E-04	1.76E-07	7.45E-08	5.56E-04	1.75E-07	7.44E-08
5040	471363.09, 3863877.25	2.04E-04	6.44E-08	2.73E-08	2.08E-04	6.57E-08	2.79E-08	2.08E-04	6.56E-08	2.78E-08
5041	471863.09, 3863877.25	2.09E-04	6.58E-08	2.79E-08	2.13E-04	6.72E-08	2.85E-08	2.13E-04	6.71E-08	2.85E-08
5042	472363.09, 3863877.25	2.14E-04	6.76E-08	2.87E-08	2.19E-04	6.90E-08	2.93E-08	2.18E-04	6.89E-08	2.92E-08
5043	472863.09, 3863877.25	2.20E-04	6.94E-08	2.94E-08	2.24E-04	7.08E-08	3.00E-08	2.24E-04	7.07E-08	3.00E-08
5044	473363.09, 3863877.25	2.25E-04	7.11E-08	3.01E-08	2.30E-04	7.25E-08	3.08E-08	2.29E-04	7.24E-08	3.07E-08
5045	473863.09, 3863877.25	2.30E-04	7.27E-08	3.09E-08	2.35E-04	7.42E-08	3.15E-08	2.35E-04	7.41E-08	3.14E-08
5046	474363.09, 3863877.25	2.35E-04	7.42E-08	3.15E-08	2.40E-04	7.57E-08	3.21E-08	2.40E-04	7.56E-08	3.21E-08
5047	474863.09, 3863877.25	2.39E-04	7.55E-08	3.20E-08	2.44E-04	7.71E-08	3.27E-08	2.44E-04	7.70E-08	3.27E-08
5048	475363.09, 3863877.25	2.44E-04	7.69E-08	3.26E-08	2.49E-04	7.85E-08	3.33E-08	2.48E-04	7.84E-08	3.33E-08
5049	475863.09, 3863877.25	2.48E-04	7.83E-08	3.32E-08	2.53E-04	7.99E-08	3.39E-08	2.53E-04	7.98E-08	3.39E-08
5050	476363.09, 3863877.25	2.53E-04	7.98E-08	3.39E-08	2.58E-04	8.14E-08	3.45E-08	2.58E-04	8.13E-08	3.45E-08
5051	476863.09, 3863877.25	2.57E-04	8.12E-08	3.44E-08	2.62E-04	8.28E-08	3.52E-08	2.62E-04	8.27E-08	3.51E-08
5052	477363.09, 3863877.25	2.62E-04	8.28E-08	3.51E-08	2.68E-04	8.45E-08	3.58E-08	2.67E-04	8.44E-08	3.58E-08
5053	477863.09, 3863877.25	2.68E-04	8.44E-08	3.58E-08	2.73E-04	8.62E-08	3.66E-08	2.73E-04	8.61E-08	3.65E-08
5054	478363.09, 3863877.25	2.67E-04	8.42E-08	3.57E-08	2.72E-04	8.59E-08	3.64E-08	2.72E-04	8.58E-08	3.64E-08
5055	478863.09, 3863877.25	2.82E-04	8.90E-08	3.78E-08	2.88E-04	9.08E-08	3.85E-08	2.87E-04	9.07E-08	3.85E-08
5056	479363.09, 3863877.25	2.92E-04	9.22E-08	3.91E-08	2.98E-04	9.40E-08	3.99E-08	2.98E-04	9.39E-08	3.99E-08
5057	479863.09, 3863877.25	2.99E-04	9.44E-08	4.01E-08	3.05E-04	9.63E-08	4.09E-08	3.05E-04	9.62E-08	4.08E-08
5058	480363.09, 3863877.25	3.04E-04	9.61E-08	4.08E-08	3.11E-04	9.80E-08	4.16E-08	3.10E-04	9.79E-08	4.15E-08
5059	480863.09, 3863877.25	3.10E-04	9.78E-08	4.15E-08	3.16E-04	9.98E-08	4.24E-08	3.16E-04	9.97E-08	4.23E-08
5060	481363.09, 3863877.25	3.15E-04	9.95E-08	4.22E-08	3.22E-04	1.02E-07	4.31E-08	3.21E-04	1.01E-07	4.30E-08
5061	481863.09, 3863877.25	3.21E-04	1.01E-07	4.30E-08	3.28E-04	1.03E-07	4.39E-08	3.27E-04	1.03E-07	4.38E-08
5062	482363.09, 3863877.25	3.28E-04	1.04E-07	4.39E-08	3.35E-04	1.06E-07	4.48E-08	3.34E-04	1.05E-07	4.48E-08
5063	482863.09, 3863877.25	3.34E-04	1.06E-07	4.48E-08	3.41E-04	1.08E-07	4.57E-08	3.41E-04	1.08E-07	4.56E-08
5064	483363.09, 3863877.25	3.43E-04	1.08E-07	4.59E-08	3.50E-04	1.10E-07	4.68E-08	3.49E-04	1.10E-07	4.68E-08
5065	483863.09, 3863877.25	3.53E-04	1.12E-07	4.73E-08	3.61E-04	1.14E-07	4.83E-08	3.60E-04	1.14E-07	4.82E-08
5066	484363.09, 3863877.25	3.64E-04	1.15E-07	4.88E-08	3.72E-04	1.17E-07	4.98E-08	3.71E-04	1.17E-07	4.97E-08
5067	484863.09, 3863877.25	3.78E-04	1.19E-07	5.06E-08	3.85E-04	1.22E-07	5.16E-08	3.85E-04	1.22E-07	5.16E-08
5068	485363.09, 3863877.25	3.90E-04	1.23E-07	5.22E-08	3.98E-04	1.26E-07	5.33E-08	3.98E-04	1.25E-07	5.32E-08
5069	485863.09, 3863877.25	4.05E-04	1.28E-07	5.43E-08	4.13E-04	1.30E-07	5.54E-08	4.13E-04	1.30E-07	5.53E-08
5070	486363.09, 3863877.25	4.22E-04	1.33E-07	5.65E-08	4.31E-04	1.36E-07	5.77E-08	4.30E-04	1.36E-07	5.76E-08
5071	486863.09, 3863877.25	4.41E-04	1.39E-07	5.91E-08	4.50E-04	1.42E-07	6.03E-08	4.50E-04	1.42E-07	6.02E-08
5072	487363.09, 3863877.25	4.60E-04	1.45E-07	6.16E-08	4.70E-04	1.48E-07	6.29E-08	4.69E-04	1.48E-07	6.28E-08
5073	487863.09, 3863877.25	4.81E-04	1.52E-07	6.44E-08	4.91E-04	1.55E-07	6.58E-08	4.90E-04	1.55E-07	6.57E-08
5074	488363.09, 3863877.25	5.01E-04	1.58E-07	6.71E-08	5.11E-04	1.61E-07	6.85E-08	5.11E-04	1.61E-07	6.84E-08
5075	488863.09, 3863877.25	5.18E-04	1.64E-07	6.94E-08	5.29E-04	1.67E-07	7.08E-08	5.28E-04	1.67E-07	7.07E-08
5076	489363.09, 3863877.25	5.24E-04	1.65E-07	7.02E-08	5.35E-04	1.69E-07	7.16E-08	5.34E-04	1.69E-07	7.15E-08
5077	489863.09, 3863877.25	5.24E-04	1.65E-07	7.02E-08	5.35E-04	1.69E-07	7.16E-08	5.34E-04	1.69E-07	7.15E-08
5078	490363.09, 3863877.25	5.23E-04	1.65E-07	7.00E-08	5.34E-04	1.68E-07	7.15E-08	5.33E-04	1.68E-07	7.14E-08
5079	490863.09, 3863877.25	5.23E-04	1.65E-07	7.00E-08	5.33E-04	1.68E-07	7.14E-08	5.33E-04	1.68E-07	7.13E-08
5080	491363.09, 3863877.25	5.14E-04	1.62E-07	6.88E-08	5.24E-04	1.66E-07	7.02E-08	5.24E-04	1.65E-07	7.01E-08

5081	491863.09, 3863877.25	5.21E-04	1.64E-07	6.97E-08	5.31E-04	1.68E-07	7.11E-08	5.31E-04	1.67E-07	7.11E-08
5082	492363.09, 3863877.25	5.18E-04	1.63E-07	6.93E-08	5.28E-04	1.67E-07	7.07E-08	5.28E-04	1.67E-07	7.07E-08
5083	492863.09, 3863877.25	4.83E-04	1.53E-07	6.47E-08	4.93E-04	1.56E-07	6.60E-08	4.93E-04	1.55E-07	6.60E-08
5084	493363.09, 3863877.25	4.91E-04	1.55E-07	6.58E-08	5.02E-04	1.58E-07	6.72E-08	5.01E-04	1.58E-07	6.71E-08
5085	493863.09, 3863877.25	5.09E-04	1.61E-07	6.82E-08	5.20E-04	1.64E-07	6.96E-08	5.19E-04	1.64E-07	6.95E-08
5086	494363.09, 3863877.25	5.29E-04	1.67E-07	7.09E-08	5.40E-04	1.70E-07	7.23E-08	5.39E-04	1.70E-07	7.22E-08
5087	494863.09, 3863877.25	5.27E-04	1.66E-07	7.06E-08	5.38E-04	1.70E-07	7.20E-08	5.37E-04	1.69E-07	7.19E-08
5088	495363.09, 3863877.25	5.22E-04	1.65E-07	6.99E-08	5.33E-04	1.68E-07	7.13E-08	5.32E-04	1.68E-07	7.12E-08
5089	495863.09, 3863877.25	4.97E-04	1.57E-07	6.65E-08	5.07E-04	1.60E-07	6.78E-08	5.06E-04	1.60E-07	6.78E-08
5090	496363.09, 3863877.25	4.81E-04	1.52E-07	6.44E-08	4.91E-04	1.55E-07	6.58E-08	4.90E-04	1.55E-07	6.57E-08
5091	496863.09, 3863877.25	4.74E-04	1.50E-07	6.35E-08	4.84E-04	1.53E-07	6.48E-08	4.83E-04	1.53E-07	6.47E-08
5092	497363.09, 3863877.25	4.77E-04	1.51E-07	6.39E-08	4.87E-04	1.54E-07	6.52E-08	4.86E-04	1.53E-07	6.51E-08
5093	497863.09, 3863877.25	4.85E-04	1.53E-07	6.49E-08	4.95E-04	1.56E-07	6.63E-08	4.94E-04	1.56E-07	6.62E-08
5094	498363.09, 3863877.25	4.83E-04	1.52E-07	6.46E-08	4.93E-04	1.55E-07	6.60E-08	4.92E-04	1.55E-07	6.59E-08
5095	471363.09, 3864377.25	1.97E-04	6.23E-08	2.64E-08	2.01E-04	6.36E-08	2.70E-08	2.01E-04	6.35E-08	2.69E-08
5096	471863.09, 3864377.25	2.02E-04	6.39E-08	2.71E-08	2.07E-04	6.52E-08	2.77E-08	2.06E-04	6.51E-08	2.76E-08
5097	472363.09, 3864377.25	2.08E-04	6.56E-08	2.78E-08	2.12E-04	6.69E-08	2.84E-08	2.12E-04	6.68E-08	2.84E-08
5098	472863.09, 3864377.25	2.13E-04	6.72E-08	2.85E-08	2.17E-04	6.86E-08	2.91E-08	2.17E-04	6.85E-08	2.91E-08
5099	473363.09, 3864377.25	2.18E-04	6.87E-08	2.92E-08	2.22E-04	7.01E-08	2.98E-08	2.22E-04	7.00E-08	2.97E-08
5100	473863.09, 3864377.25	2.22E-04	7.02E-08	2.98E-08	2.27E-04	7.16E-08	3.04E-08	2.27E-04	7.16E-08	3.04E-08
5101	474363.09, 3864377.25	2.27E-04	7.15E-08	3.03E-08	2.31E-04	7.30E-08	3.10E-08	2.31E-04	7.29E-08	3.09E-08
5102	474863.09, 3864377.25	2.31E-04	7.28E-08	3.09E-08	2.35E-04	7.43E-08	3.15E-08	2.35E-04	7.42E-08	3.15E-08
5103	475363.09, 3864377.25	2.35E-04	7.41E-08	3.14E-08	2.40E-04	7.56E-08	3.21E-08	2.39E-04	7.55E-08	3.21E-08
5104	475863.09, 3864377.25	2.39E-04	7.54E-08	3.20E-08	2.44E-04	7.70E-08	3.27E-08	2.44E-04	7.69E-08	3.26E-08
5105	476363.09, 3864377.25	2.43E-04	7.67E-08	3.26E-08	2.48E-04	7.83E-08	3.32E-08	2.48E-04	7.82E-08	3.32E-08
5106	476863.09, 3864377.25	2.48E-04	7.82E-08	3.32E-08	2.53E-04	7.98E-08	3.39E-08	2.53E-04	7.97E-08	3.38E-08
5107	477363.09, 3864377.25	2.53E-04	7.97E-08	3.38E-08	2.58E-04	8.13E-08	3.45E-08	2.57E-04	8.12E-08	3.45E-08
5108	477863.09, 3864377.25	2.58E-04	8.15E-08	3.46E-08	2.63E-04	8.31E-08	3.53E-08	2.63E-04	8.30E-08	3.52E-08
5109	478363.09, 3864377.25	2.65E-04	8.36E-08	3.55E-08	2.70E-04	8.53E-08	3.62E-08	2.70E-04	8.52E-08	3.62E-08
5110	478863.09, 3864377.25	2.72E-04	8.59E-08	3.65E-08	2.78E-04	8.77E-08	3.72E-08	2.78E-04	8.76E-08	3.72E-08
5111	479363.09, 3864377.25	2.78E-04	8.78E-08	3.72E-08	2.84E-04	8.96E-08	3.80E-08	2.84E-04	8.95E-08	3.80E-08
5112	479863.09, 3864377.25	2.83E-04	8.92E-08	3.78E-08	2.88E-04	9.10E-08	3.86E-08	2.88E-04	9.09E-08	3.86E-08
5113	480363.09, 3864377.25	2.86E-04	9.04E-08	3.84E-08	2.92E-04	9.22E-08	3.91E-08	2.92E-04	9.21E-08	3.91E-08
5114	480863.09, 3864377.25	2.89E-04	9.13E-08	3.87E-08	2.95E-04	9.32E-08	3.95E-08	2.95E-04	9.31E-08	3.95E-08
5115	481363.09, 3864377.25	2.94E-04	9.28E-08	3.94E-08	3.00E-04	9.47E-08	4.02E-08	3.00E-04	9.46E-08	4.01E-08
5116	481863.09, 3864377.25	2.99E-04	9.44E-08	4.01E-08	3.05E-04	9.63E-08	4.09E-08	3.05E-04	9.62E-08	4.08E-08
5117	482363.09, 3864377.25	3.04E-04	9.59E-08	4.07E-08	3.10E-04	9.78E-08	4.15E-08	3.10E-04	9.77E-08	4.15E-08
5118	482863.09, 3864377.25	3.09E-04	9.75E-08	4.14E-08	3.15E-04	9.95E-08	4.22E-08	3.15E-04	9.93E-08	4.21E-08
5119	483363.09, 3864377.25	3.15E-04	9.93E-08	4.21E-08	3.21E-04	1.01E-07	4.30E-08	3.21E-04	1.01E-07	4.30E-08
5120	483863.09, 3864377.25	3.23E-04	1.02E-07	4.32E-08	3.29E-04	1.04E-07	4.41E-08	3.29E-04	1.04E-07	4.40E-08
5121	484363.09, 3864377.25	3.33E-04	1.05E-07	4.45E-08	3.39E-04	1.07E-07	4.55E-08	3.39E-04	1.07E-07	4.54E-08
5122	484863.09, 3864377.25	3.43E-04	1.08E-07	4.59E-08	3.50E-04	1.10E-07	4.68E-08	3.49E-04	1.10E-07	4.68E-08
5123	485363.09, 3864377.25	3.55E-04	1.12E-07	4.75E-08	3.62E-04	1.14E-07	4.85E-08	3.62E-04	1.14E-07	4.84E-08
5124	485863.09, 3864377.25	3.70E-04	1.17E-07	4.95E-08	3.77E-04	1.19E-07	5.05E-08	3.77E-04	1.19E-07	5.05E-08
5125	486363.09, 3864377.25	3.86E-04	1.22E-07	5.17E-08	3.94E-04	1.24E-07	5.27E-08	3.93E-04	1.24E-07	5.26E-08
5126	486863.09, 3864377.25	3.99E-04	1.26E-07	5.35E-08	4.07E-04	1.29E-07	5.46E-08	4.07E-04	1.28E-07	5.45E-08
5127	487363.09, 3864377.25	4.14E-04	1.31E-07	5.54E-08	4.22E-04	1.33E-07	5.66E-08	4.22E-04	1.33E-07	5.65E-08
5128	487863.09, 3864377.25	4.30E-04	1.36E-07	5.76E-08	4.39E-04	1.39E-07	5.88E-08	4.38E-04	1.38E-07	5.87E-08
5129	488363.09, 3864377.25	4.44E-04	1.40E-07	5.94E-08	4.53E-04	1.43E-07	6.06E-08	4.52E-04	1.43E-07	6.06E-08
5130	488863.09, 3864377.25	4.55E-04	1.43E-07	6.09E-08	4.64E-04	1.46E-07	6.21E-08	4.63E-04	1.46E-07	6.21E-08
5131	489363.09, 3864377.25	4.57E-04	1.44E-07	6.12E-08	4.67E-04	1.47E-07	6.25E-08	4.66E-04	1.47E-07	6.24E-08
5132	489863.09, 3864377.25	4.54E-04	1.43E-07	6.08E-08	4.64E-04	1.46E-07	6.21E-08	4.63E-04	1.46E-07	6.20E-08
5133	490363.09, 3864377.25	4.54E-04	1.43E-07	6.08E-08	4.63E-04	1.46E-07	6.20E-08	4.63E-04	1.46E-07	6.19E-08
5134	490863.09, 3864377.25	4.55E-04	1.44E-07	6.10E-08	4.65E-04	1.47E-07	6.22E-08	4.64E-04	1.46E-07	6.21E-08
5135	491363.09, 3864377.25	4.56E-04	1.44E-07	6.11E-08	4.65E-04	1.47E-07	6.23E-08	4.65E-04	1.47E-07	6.23E-08
5136	491863.09, 3864377.25	2.12E-04	6.70E-08	2.84E-08	2.16E-04	6.83E-08	2.90E-08	2.16E-04	6.82E-08	2.90E-08
5137	492363.09, 3864377.25	3.49E-04	1.10E-07	4.68E-08	3.57E-04	1.13E-07	4.78E-08	3.56E-04	1.12E-07	4.77E-08
5138	492863.09, 3864377.25	2.41E-04	7.60E-08	3.22E-08	2.46E-04	7.75E-08	3.29E-08	2.45E-04	7.74E-08	3.29E-08
5139	493363.09, 3864377.25	3.25E-04	1.02E-07	4.35E-08	3.31E-04	1.05E-07	4.44E-08	3.31E-04	1.04E-07	4.43E-08
5140	493863.09, 3864377.25	3.95E-04	1.25E-07	5.30E-08	4.04E-04	1.27E-07	5.40E-08	4.03E-04	1.27E-07	5.40E-08
5141	494363.09, 3864377.25	4.28E-04	1.35E-07	5.73E-08	4.37E-04	1.38E-07	5.85E-08	4.36E-04	1.38E-07	5.84E-08
5142	494863.09, 3864377.25	4.54E-04	1.43E-07	6.08E-08	4.63E-04	1.46E-07	6.20E-08	4.63E-04	1.46E-07	6.19E-08

5143	495363.09, 3864377.25	4.55E-04	1.44E-07	6.10E-08	4.65E-04	1.47E-07	6.22E-08	4.64E-04	1.46E-07	6.21E-08
5144	495863.09, 3864377.25	4.52E-04	1.43E-07	6.06E-08	4.62E-04	1.46E-07	6.18E-08	4.61E-04	1.45E-07	6.17E-08
5145	496363.09, 3864377.25	4.32E-04	1.36E-07	5.79E-08	4.41E-04	1.39E-07	5.91E-08	4.41E-04	1.39E-07	5.90E-08
5146	496863.09, 3864377.25	4.17E-04	1.32E-07	5.59E-08	4.26E-04	1.34E-07	5.70E-08	4.25E-04	1.34E-07	5.69E-08
5147	497363.09, 3864377.25	4.10E-04	1.29E-07	5.48E-08	4.18E-04	1.32E-07	5.60E-08	4.17E-04	1.32E-07	5.59E-08
5148	497863.09, 3864377.25	4.13E-04	1.30E-07	5.53E-08	4.22E-04	1.33E-07	5.65E-08	4.21E-04	1.33E-07	5.64E-08
5149	498363.09, 3864377.25	4.15E-04	1.31E-07	5.56E-08	4.24E-04	1.34E-07	5.68E-08	4.23E-04	1.34E-07	5.67E-08
5150	471363.09, 3864877.25	1.92E-04	6.06E-08	2.57E-08	1.96E-04	6.19E-08	2.63E-08	1.96E-04	6.18E-08	2.62E-08
5151	471863.09, 3864877.25	1.97E-04	6.21E-08	2.64E-08	2.01E-04	6.34E-08	2.69E-08	2.01E-04	6.33E-08	2.69E-08
5152	472363.09, 3864877.25	2.02E-04	6.37E-08	2.70E-08	2.06E-04	6.50E-08	2.76E-08	2.06E-04	6.49E-08	2.75E-08
5153	472863.09, 3864877.25	2.07E-04	6.52E-08	2.77E-08	2.11E-04	6.65E-08	2.82E-08	2.11E-04	6.64E-08	2.82E-08
5154	473363.09, 3864877.25	2.11E-04	6.65E-08	2.82E-08	2.15E-04	6.79E-08	2.88E-08	2.15E-04	6.78E-08	2.88E-08
5155	473863.09, 3864877.25	2.15E-04	6.77E-08	2.87E-08	2.19E-04	6.91E-08	2.93E-08	2.19E-04	6.90E-08	2.93E-08
5156	474363.09, 3864877.25	2.19E-04	6.90E-08	2.93E-08	2.23E-04	7.04E-08	2.99E-08	2.23E-04	7.03E-08	2.98E-08
5157	474863.09, 3864877.25	2.22E-04	7.01E-08	2.98E-08	2.27E-04	7.16E-08	3.04E-08	2.26E-04	7.15E-08	3.03E-08
5158	475363.09, 3864877.25	2.26E-04	7.13E-08	3.03E-08	2.31E-04	7.28E-08	3.09E-08	2.30E-04	7.27E-08	3.08E-08
5159	475863.09, 3864877.25	2.30E-04	7.24E-08	3.07E-08	2.34E-04	7.39E-08	3.14E-08	2.34E-04	7.38E-08	3.13E-08
5160	476363.09, 3864877.25	2.33E-04	7.37E-08	3.13E-08	2.38E-04	7.52E-08	3.19E-08	2.38E-04	7.51E-08	3.19E-08
5161	476863.09, 3864877.25	2.39E-04	7.53E-08	3.20E-08	2.44E-04	7.69E-08	3.26E-08	2.43E-04	7.68E-08	3.26E-08
5162	477363.09, 3864877.25	2.43E-04	7.67E-08	3.26E-08	2.48E-04	7.83E-08	3.32E-08	2.48E-04	7.82E-08	3.32E-08
5163	477863.09, 3864877.25	2.48E-04	7.82E-08	3.32E-08	2.53E-04	7.98E-08	3.39E-08	2.53E-04	7.97E-08	3.38E-08
5164	478363.09, 3864877.25	2.53E-04	7.98E-08	3.39E-08	2.58E-04	8.14E-08	3.45E-08	2.58E-04	8.13E-08	3.45E-08
5165	478863.09, 3864877.25	2.58E-04	8.13E-08	3.45E-08	2.63E-04	8.29E-08	3.52E-08	2.62E-04	8.28E-08	3.51E-08
5166	479363.09, 3864877.25	2.62E-04	8.26E-08	3.50E-08	2.67E-04	8.43E-08	3.58E-08	2.67E-04	8.42E-08	3.57E-08
5167	479863.09, 3864877.25	2.64E-04	8.34E-08	3.54E-08	2.70E-04	8.51E-08	3.61E-08	2.69E-04	8.50E-08	3.61E-08
5168	480363.09, 3864877.25	2.68E-04	8.44E-08	3.58E-08	2.73E-04	8.62E-08	3.66E-08	2.73E-04	8.61E-08	3.65E-08
5169	480863.09, 3864877.25	2.71E-04	8.54E-08	3.62E-08	2.76E-04	8.71E-08	3.70E-08	2.76E-04	8.70E-08	3.69E-08
5170	481363.09, 3864877.25	2.75E-04	8.67E-08	3.68E-08	2.80E-04	8.84E-08	3.75E-08	2.80E-04	8.83E-08	3.75E-08
5171	481863.09, 3864877.25	2.78E-04	8.77E-08	3.72E-08	2.84E-04	8.95E-08	3.80E-08	2.83E-04	8.94E-08	3.79E-08
5172	482363.09, 3864877.25	2.81E-04	8.88E-08	3.77E-08	2.87E-04	9.06E-08	3.85E-08	2.87E-04	9.05E-08	3.84E-08
5173	482863.09, 3864877.25	2.85E-04	8.98E-08	3.81E-08	2.90E-04	9.17E-08	3.89E-08	2.90E-04	9.16E-08	3.88E-08
5174	483363.09, 3864877.25	2.89E-04	9.11E-08	3.87E-08	2.95E-04	9.30E-08	3.95E-08	2.94E-04	9.29E-08	3.94E-08
5175	483863.09, 3864877.25	2.95E-04	9.32E-08	3.95E-08	3.01E-04	9.51E-08	4.03E-08	3.01E-04	9.50E-08	4.03E-08
5176	484363.09, 3864877.25	3.05E-04	9.63E-08	4.08E-08	3.11E-04	9.82E-08	4.17E-08	3.11E-04	9.81E-08	4.16E-08
5177	484863.09, 3864877.25	3.16E-04	9.98E-08	4.23E-08	3.23E-04	1.02E-07	4.32E-08	3.22E-04	1.02E-07	4.32E-08
5178	485363.09, 3864877.25	3.29E-04	1.04E-07	4.41E-08	3.36E-04	1.06E-07	4.50E-08	3.36E-04	1.06E-07	4.50E-08
5179	485863.09, 3864877.25	3.42E-04	1.08E-07	4.58E-08	3.49E-04	1.10E-07	4.67E-08	3.48E-04	1.10E-07	4.67E-08
5180	486363.09, 3864877.25	3.53E-04	1.11E-07	4.73E-08	3.60E-04	1.14E-07	4.82E-08	3.60E-04	1.14E-07	4.82E-08
5181	486863.09, 3864877.25	3.63E-04	1.14E-07	4.86E-08	3.70E-04	1.17E-07	4.96E-08	3.70E-04	1.17E-07	4.95E-08
5182	487363.09, 3864877.25	3.75E-04	1.18E-07	5.02E-08	3.82E-04	1.21E-07	5.12E-08	3.82E-04	1.21E-07	5.12E-08
5183	487863.09, 3864877.25	3.87E-04	1.22E-07	5.18E-08	3.95E-04	1.25E-07	5.29E-08	3.94E-04	1.24E-07	5.28E-08
5184	488363.09, 3864877.25	3.96E-04	1.25E-07	5.30E-08	4.04E-04	1.27E-07	5.41E-08	4.03E-04	1.27E-07	5.40E-08
5185	488863.09, 3864877.25	4.03E-04	1.27E-07	5.39E-08	4.11E-04	1.30E-07	5.50E-08	4.11E-04	1.30E-07	5.50E-08
5186	489363.09, 3864877.25	4.04E-04	1.27E-07	5.41E-08	4.12E-04	1.30E-07	5.52E-08	4.11E-04	1.30E-07	5.51E-08
5187	489863.09, 3864877.25	4.00E-04	1.26E-07	5.36E-08	4.08E-04	1.29E-07	5.47E-08	4.08E-04	1.29E-07	5.46E-08
5188	490363.09, 3864877.25	4.01E-04	1.26E-07	5.37E-08	4.09E-04	1.29E-07	5.48E-08	4.08E-04	1.29E-07	5.47E-08
5189	490863.09, 3864877.25	3.80E-04	1.20E-07	5.09E-08	3.88E-04	1.22E-07	5.19E-08	3.87E-04	1.22E-07	5.19E-08
5190	491363.09, 3864877.25	4.00E-04	1.26E-07	5.36E-08	4.09E-04	1.29E-07	5.47E-08	4.08E-04	1.29E-07	5.47E-08
5191	491863.09, 3864877.25	3.61E-04	1.14E-07	4.83E-08	3.68E-04	1.16E-07	4.93E-08	3.68E-04	1.16E-07	4.92E-08
5192	492363.09, 3864877.25	1.50E-04	4.74E-08	2.01E-08	1.53E-04	4.84E-08	2.05E-08	1.53E-04	4.83E-08	2.05E-08
5193	492863.09, 3864877.25	1.82E-04	5.76E-08	2.44E-08	1.86E-04	5.87E-08	2.49E-08	1.86E-04	5.87E-08	2.49E-08
5194	493363.09, 3864877.25	1.78E-04	5.62E-08	2.38E-08	1.82E-04	5.73E-08	2.43E-08	1.81E-04	5.73E-08	2.43E-08
5195	493863.09, 3864877.25	3.11E-04	9.82E-08	4.17E-08	3.18E-04	1.00E-07	4.25E-08	3.17E-04	1.00E-07	4.25E-08
5196	494363.09, 3864877.25	3.67E-04	1.16E-07	4.91E-08	3.74E-04	1.18E-07	5.01E-08	3.74E-04	1.18E-07	5.01E-08
5197	494863.09, 3864877.25	3.81E-04	1.20E-07	5.10E-08	3.89E-04	1.23E-07	5.21E-08	3.88E-04	1.23E-07	5.20E-08
5198	495363.09, 3864877.25	3.98E-04	1.25E-07	5.32E-08	4.06E-04	1.28E-07	5.43E-08	4.05E-04	1.28E-07	5.43E-08
5199	495863.09, 3864877.25	3.99E-04	1.26E-07	5.35E-08	4.07E-04	1.29E-07	5.46E-08	4.07E-04	1.28E-07	5.45E-08
5200	496363.09, 3864877.25	3.98E-04	1.26E-07	5.33E-08	4.07E-04	1.28E-07	5.44E-08	4.06E-04	1.28E-07	5.44E-08
5201	496863.09, 3864877.25	3.82E-04	1.21E-07	5.12E-08	3.90E-04	1.23E-07	5.22E-08	3.90E-04	1.23E-07	5.22E-08
5202	497363.09, 3864877.25	3.68E-04	1.16E-07	4.92E-08	3.75E-04	1.18E-07	5.03E-08	3.75E-04	1.18E-07	5.02E-08
5203	497863.09, 3864877.25	3.62E-04	1.14E-07	4.85E-08	3.69E-04	1.17E-07	4.94E-08	3.69E-04	1.16E-07	4.94E-08
5204	498363.09, 3864877.25	3.58E-04	1.13E-07	4.80E-08	3.66E-04	1.15E-07	4.90E-08	3.65E-04	1.15E-07	4.89E-08

5205	471363.09, 3865377.25	1.87E-04	5.90E-08	2.50E-08	1.91E-04	6.02E-08	2.55E-08	1.90E-04	6.01E-08	2.55E-08
5206	471863.09, 3865377.25	1.91E-04	6.04E-08	2.56E-08	1.95E-04	6.16E-08	2.61E-08	1.95E-04	6.15E-08	2.61E-08
5207	472363.09, 3865377.25	1.95E-04	6.17E-08	2.62E-08	1.99E-04	6.29E-08	2.67E-08	1.99E-04	6.28E-08	2.67E-08
5208	472863.09, 3865377.25	2.00E-04	6.31E-08	2.68E-08	2.04E-04	6.43E-08	2.73E-08	2.04E-04	6.43E-08	2.73E-08
5209	473363.09, 3865377.25	2.03E-04	6.41E-08	2.72E-08	2.07E-04	6.54E-08	2.77E-08	2.07E-04	6.53E-08	2.77E-08
5210	473863.09, 3865377.25	2.07E-04	6.52E-08	2.77E-08	2.11E-04	6.65E-08	2.82E-08	2.11E-04	6.64E-08	2.82E-08
5211	474363.09, 3865377.25	2.10E-04	6.63E-08	2.81E-08	2.14E-04	6.77E-08	2.87E-08	2.14E-04	6.76E-08	2.87E-08
5212	474863.09, 3865377.25	2.14E-04	6.75E-08	2.86E-08	2.18E-04	6.89E-08	2.92E-08	2.18E-04	6.88E-08	2.92E-08
5213	475363.09, 3865377.25	2.17E-04	6.85E-08	2.91E-08	2.22E-04	6.99E-08	2.97E-08	2.21E-04	6.99E-08	2.96E-08
5214	475863.09, 3865377.25	2.21E-04	6.97E-08	2.96E-08	2.25E-04	7.11E-08	3.02E-08	2.25E-04	7.10E-08	3.01E-08
5215	476363.09, 3865377.25	2.26E-04	7.14E-08	3.03E-08	2.31E-04	7.29E-08	3.09E-08	2.31E-04	7.28E-08	3.09E-08
5216	476863.09, 3865377.25	2.26E-04	7.13E-08	3.03E-08	2.31E-04	7.28E-08	3.09E-08	2.30E-04	7.27E-08	3.08E-08
5217	477363.09, 3865377.25	2.33E-04	7.37E-08	3.13E-08	2.38E-04	7.52E-08	3.19E-08	2.38E-04	7.51E-08	3.19E-08
5218	477863.09, 3865377.25	2.36E-04	7.44E-08	3.16E-08	2.41E-04	7.59E-08	3.22E-08	2.40E-04	7.58E-08	3.22E-08
5219	478363.09, 3865377.25	2.40E-04	7.56E-08	3.21E-08	2.44E-04	7.72E-08	3.27E-08	2.44E-04	7.71E-08	3.27E-08
5220	478863.09, 3865377.25	2.43E-04	7.65E-08	3.25E-08	2.47E-04	7.81E-08	3.31E-08	2.47E-04	7.80E-08	3.31E-08
5221	479363.09, 3865377.25	2.45E-04	7.75E-08	3.29E-08	2.50E-04	7.91E-08	3.35E-08	2.50E-04	7.90E-08	3.35E-08
5222	479863.09, 3865377.25	2.48E-04	7.84E-08	3.33E-08	2.53E-04	8.00E-08	3.39E-08	2.53E-04	7.99E-08	3.39E-08
5223	480363.09, 3865377.25	2.50E-04	7.90E-08	3.35E-08	2.55E-04	8.06E-08	3.42E-08	2.55E-04	8.05E-08	3.41E-08
5224	480863.09, 3865377.25	2.53E-04	7.97E-08	3.38E-08	2.58E-04	8.13E-08	3.45E-08	2.57E-04	8.12E-08	3.45E-08
5225	481363.09, 3865377.25	2.56E-04	8.07E-08	3.43E-08	2.61E-04	8.24E-08	3.49E-08	2.61E-04	8.23E-08	3.49E-08
5226	481863.09, 3865377.25	2.58E-04	8.14E-08	3.45E-08	2.63E-04	8.30E-08	3.52E-08	2.63E-04	8.29E-08	3.52E-08
5227	482363.09, 3865377.25	2.60E-04	8.19E-08	3.48E-08	2.65E-04	8.36E-08	3.55E-08	2.65E-04	8.35E-08	3.54E-08
5228	482863.09, 3865377.25	2.62E-04	8.26E-08	3.50E-08	2.67E-04	8.43E-08	3.58E-08	2.67E-04	8.42E-08	3.57E-08
5229	483363.09, 3865377.25	2.67E-04	8.42E-08	3.57E-08	2.72E-04	8.59E-08	3.64E-08	2.72E-04	8.58E-08	3.64E-08
5230	483863.09, 3865377.25	2.74E-04	8.66E-08	3.67E-08	2.80E-04	8.84E-08	3.75E-08	2.80E-04	8.82E-08	3.74E-08
5231	484363.09, 3865377.25	2.84E-04	8.97E-08	3.80E-08	2.90E-04	9.15E-08	3.88E-08	2.90E-04	9.14E-08	3.88E-08
5232	484863.09, 3865377.25	2.95E-04	9.32E-08	3.95E-08	3.01E-04	9.51E-08	4.03E-08	3.01E-04	9.50E-08	4.03E-08
5233	485363.09, 3865377.25	3.07E-04	9.68E-08	4.11E-08	3.13E-04	9.88E-08	4.19E-08	3.13E-04	9.87E-08	4.19E-08
5234	485863.09, 3865377.25	3.16E-04	9.99E-08	4.24E-08	3.23E-04	1.02E-07	4.32E-08	3.23E-04	1.02E-07	4.32E-08
5235	486363.09, 3865377.25	3.25E-04	1.02E-07	4.35E-08	3.31E-04	1.05E-07	4.44E-08	3.31E-04	1.04E-07	4.43E-08
5236	486863.09, 3865377.25	3.33E-04	1.05E-07	4.45E-08	3.39E-04	1.07E-07	4.55E-08	3.39E-04	1.07E-07	4.54E-08
5237	487363.09, 3865377.25	3.42E-04	1.08E-07	4.59E-08	3.49E-04	1.10E-07	4.68E-08	3.49E-04	1.10E-07	4.67E-08
5238	487863.09, 3865377.25	3.50E-04	1.10E-07	4.68E-08	3.57E-04	1.13E-07	4.78E-08	3.56E-04	1.13E-07	4.77E-08
5239	488363.09, 3865377.25	3.56E-04	1.12E-07	4.77E-08	3.63E-04	1.15E-07	4.86E-08	3.63E-04	1.15E-07	4.86E-08
5240	488863.09, 3865377.25	3.61E-04	1.14E-07	4.83E-08	3.68E-04	1.16E-07	4.93E-08	3.68E-04	1.16E-07	4.92E-08
5241	489363.09, 3865377.25	3.61E-04	1.14E-07	4.84E-08	3.69E-04	1.16E-07	4.94E-08	3.68E-04	1.16E-07	4.93E-08
5242	489863.09, 3865377.25	3.61E-04	1.14E-07	4.84E-08	3.69E-04	1.16E-07	4.94E-08	3.68E-04	1.16E-07	4.93E-08
5243	490363.09, 3865377.25	3.50E-04	1.11E-07	4.69E-08	3.58E-04	1.13E-07	4.79E-08	3.57E-04	1.13E-07	4.78E-08
5244	490863.09, 3865377.25	3.34E-04	1.05E-07	4.47E-08	3.41E-04	1.08E-07	4.57E-08	3.41E-04	1.07E-07	4.56E-08
5245	491363.09, 3865377.25	3.24E-04	1.02E-07	4.34E-08	3.30E-04	1.04E-07	4.43E-08	3.30E-04	1.04E-07	4.42E-08
5246	491863.09, 3865377.25	3.21E-04	1.01E-07	4.30E-08	3.28E-04	1.03E-07	4.39E-08	3.27E-04	1.03E-07	4.38E-08
5247	492363.09, 3865377.25	2.56E-04	8.07E-08	3.43E-08	2.61E-04	8.24E-08	3.49E-08	2.61E-04	8.23E-08	3.49E-08
5248	492863.09, 3865377.25	1.99E-04	6.28E-08	2.66E-08	2.03E-04	6.41E-08	2.72E-08	2.03E-04	6.40E-08	2.71E-08
5249	493363.09, 3865377.25	1.67E-04	5.27E-08	2.24E-08	1.70E-04	5.38E-08	2.28E-08	1.70E-04	5.37E-08	2.28E-08
5250	493863.09, 3865377.25	2.26E-04	7.12E-08	3.02E-08	2.30E-04	7.27E-08	3.08E-08	2.30E-04	7.26E-08	3.08E-08
5251	494363.09, 3865377.25	2.96E-04	9.34E-08	3.96E-08	3.02E-04	9.53E-08	4.04E-08	3.02E-04	9.52E-08	4.04E-08
5252	494863.09, 3865377.25	3.26E-04	1.03E-07	4.36E-08	3.32E-04	1.05E-07	4.45E-08	3.32E-04	1.05E-07	4.44E-08
5253	495363.09, 3865377.25	3.40E-04	1.07E-07	4.55E-08	3.47E-04	1.09E-07	4.64E-08	3.46E-04	1.09E-07	4.64E-08
5254	495863.09, 3865377.25	3.55E-04	1.12E-07	4.75E-08	3.62E-04	1.14E-07	4.85E-08	3.62E-04	1.14E-07	4.85E-08
5255	496363.09, 3865377.25	3.53E-04	1.11E-07	4.72E-08	3.60E-04	1.14E-07	4.82E-08	3.59E-04	1.13E-07	4.81E-08
5256	496863.09, 3865377.25	3.52E-04	1.11E-07	4.71E-08	3.59E-04	1.13E-07	4.80E-08	3.58E-04	1.13E-07	4.80E-08
5257	497363.09, 3865377.25	3.42E-04	1.08E-07	4.58E-08	3.49E-04	1.10E-07	4.67E-08	3.49E-04	1.10E-07	4.67E-08
5258	497863.09, 3865377.25	3.29E-04	1.04E-07	4.40E-08	3.36E-04	1.06E-07	4.49E-08	3.35E-04	1.06E-07	4.49E-08
5259	498363.09, 3865377.25	3.23E-04	1.02E-07	4.33E-08	3.30E-04	1.04E-07	4.42E-08	3.29E-04	1.04E-07	4.41E-08
5260	471363.09, 3865877.25	1.81E-04	5.72E-08	2.43E-08	1.85E-04	5.84E-08	2.48E-08	1.85E-04	5.83E-08	2.47E-08
5261	471863.09, 3865877.25	1.85E-04	5.84E-08	2.48E-08	1.89E-04	5.96E-08	2.53E-08	1.89E-04	5.95E-08	2.53E-08
5262	472363.09, 3865877.25	1.89E-04	5.97E-08	2.53E-08	1.93E-04	6.09E-08	2.58E-08	1.93E-04	6.09E-08	2.58E-08
5263	472863.09, 3865877.25	1.92E-04	6.06E-08	2.57E-08	1.96E-04	6.19E-08	2.63E-08	1.96E-04	6.18E-08	2.62E-08
5264	473363.09, 3865877.25	1.95E-04	6.16E-08	2.61E-08	1.99E-04	6.28E-08	2.67E-08	1.99E-04	6.27E-08	2.66E-08
5265	473863.09, 3865877.25	1.99E-04	6.28E-08	2.66E-08	2.03E-04	6.41E-08	2.72E-08	2.03E-04	6.40E-08	2.71E-08
5266	474363.09, 3865877.25	2.02E-04	6.39E-08	2.71E-08	2.07E-04	6.52E-08	2.77E-08	2.06E-04	6.51E-08	2.76E-08

5267	474863.09, 3865877.25	2.06E-04	6.51E-08	2.76E-08	2.10E-04	6.64E-08	2.82E-08	2.10E-04	6.64E-08	2.82E-08
5268	475363.09, 3865877.25	2.09E-04	6.60E-08	2.80E-08	2.13E-04	6.74E-08	2.86E-08	2.13E-04	6.73E-08	2.86E-08
5269	475863.09, 3865877.25	2.13E-04	6.71E-08	2.85E-08	2.17E-04	6.85E-08	2.91E-08	2.17E-04	6.84E-08	2.90E-08
5270	476363.09, 3865877.25	2.17E-04	6.86E-08	2.91E-08	2.22E-04	7.00E-08	2.97E-08	2.22E-04	7.00E-08	2.97E-08
5271	476863.09, 3865877.25	2.15E-04	6.78E-08	2.88E-08	2.19E-04	6.92E-08	2.94E-08	2.19E-04	6.91E-08	2.93E-08
5272	477363.09, 3865877.25	2.22E-04	7.01E-08	2.98E-08	2.27E-04	7.16E-08	3.04E-08	2.26E-04	7.15E-08	3.03E-08
5273	477863.09, 3865877.25	2.24E-04	7.06E-08	2.99E-08	2.28E-04	7.20E-08	3.06E-08	2.28E-04	7.19E-08	3.05E-08
5274	478363.09, 3865877.25	2.26E-04	7.13E-08	3.03E-08	2.31E-04	7.28E-08	3.09E-08	2.30E-04	7.27E-08	3.08E-08
5275	478863.09, 3865877.25	2.29E-04	7.22E-08	3.06E-08	2.33E-04	7.36E-08	3.12E-08	2.33E-04	7.36E-08	3.12E-08
5276	479363.09, 3865877.25	2.31E-04	7.30E-08	3.10E-08	2.36E-04	7.45E-08	3.16E-08	2.36E-04	7.44E-08	3.16E-08
5277	479863.09, 3865877.25	2.33E-04	7.35E-08	3.12E-08	2.38E-04	7.50E-08	3.18E-08	2.37E-04	7.49E-08	3.18E-08
5278	480363.09, 3865877.25	2.34E-04	7.39E-08	3.14E-08	2.39E-04	7.54E-08	3.20E-08	2.39E-04	7.54E-08	3.20E-08
5279	480863.09, 3865877.25	2.36E-04	7.46E-08	3.16E-08	2.41E-04	7.61E-08	3.23E-08	2.41E-04	7.60E-08	3.23E-08
5280	481363.09, 3865877.25	2.37E-04	7.50E-08	3.18E-08	2.42E-04	7.65E-08	3.25E-08	2.42E-04	7.64E-08	3.24E-08
5281	481863.09, 3865877.25	2.39E-04	7.53E-08	3.20E-08	2.44E-04	7.69E-08	3.26E-08	2.43E-04	7.68E-08	3.26E-08
5282	482363.09, 3865877.25	2.41E-04	7.60E-08	3.22E-08	2.46E-04	7.75E-08	3.29E-08	2.45E-04	7.74E-08	3.29E-08
5283	482863.09, 3865877.25	2.44E-04	7.71E-08	3.27E-08	2.49E-04	7.87E-08	3.34E-08	2.49E-04	7.86E-08	3.33E-08
5284	483363.09, 3865877.25	2.50E-04	7.90E-08	3.35E-08	2.55E-04	8.06E-08	3.42E-08	2.55E-04	8.05E-08	3.41E-08
5285	483863.09, 3865877.25	2.58E-04	8.14E-08	3.45E-08	2.63E-04	8.30E-08	3.52E-08	2.63E-04	8.29E-08	3.52E-08
5286	484363.09, 3865877.25	2.67E-04	8.43E-08	3.57E-08	2.72E-04	8.60E-08	3.65E-08	2.72E-04	8.59E-08	3.64E-08
5287	484863.09, 3865877.25	2.76E-04	8.71E-08	3.70E-08	2.82E-04	8.89E-08	3.77E-08	2.81E-04	8.88E-08	3.77E-08
5288	485363.09, 3865877.25	2.85E-04	9.00E-08	3.82E-08	2.91E-04	9.19E-08	3.90E-08	2.91E-04	9.18E-08	3.89E-08
5289	485863.09, 3865877.25	2.93E-04	9.26E-08	3.93E-08	2.99E-04	9.45E-08	4.01E-08	2.99E-04	9.44E-08	4.01E-08
5290	486363.09, 3865877.25	3.00E-04	9.48E-08	4.02E-08	3.06E-04	9.67E-08	4.10E-08	3.06E-04	9.66E-08	4.10E-08
5291	486863.09, 3865877.25	3.06E-04	9.67E-08	4.10E-08	3.13E-04	9.87E-08	4.19E-08	3.12E-04	9.86E-08	4.18E-08
5292	487363.09, 3865877.25	3.13E-04	9.89E-08	4.19E-08	3.20E-04	1.01E-07	4.28E-08	3.19E-04	1.01E-07	4.28E-08
5293	487863.09, 3865877.25	3.19E-04	1.01E-07	4.27E-08	3.25E-04	1.03E-07	4.36E-08	3.25E-04	1.03E-07	4.35E-08
5294	488363.09, 3865877.25	3.23E-04	1.02E-07	4.32E-08	3.29E-04	1.04E-07	4.41E-08	3.29E-04	1.04E-07	4.40E-08
5295	488863.09, 3865877.25	3.26E-04	1.03E-07	4.36E-08	3.33E-04	1.05E-07	4.45E-08	3.32E-04	1.05E-07	4.45E-08
5296	489363.09, 3865877.25	3.27E-04	1.03E-07	4.38E-08	3.34E-04	1.05E-07	4.47E-08	3.33E-04	1.05E-07	4.46E-08
5297	489863.09, 3865877.25	3.28E-04	1.03E-07	4.39E-08	3.34E-04	1.06E-07	4.48E-08	3.34E-04	1.05E-07	4.47E-08
5298	490363.09, 3865877.25	3.27E-04	1.03E-07	4.38E-08	3.34E-04	1.05E-07	4.47E-08	3.34E-04	1.05E-07	4.47E-08
5299	490863.09, 3865877.25	3.10E-04	9.78E-08	4.15E-08	3.16E-04	9.98E-08	4.24E-08	3.16E-04	9.97E-08	4.23E-08
5300	491363.09, 3865877.25	2.88E-04	9.09E-08	3.86E-08	2.94E-04	9.27E-08	3.93E-08	2.93E-04	9.26E-08	3.93E-08
5301	491863.09, 3865877.25	2.79E-04	8.82E-08	3.74E-08	2.85E-04	9.00E-08	3.82E-08	2.85E-04	8.99E-08	3.81E-08
5302	492363.09, 3865877.25	2.64E-04	8.34E-08	3.54E-08	2.70E-04	8.51E-08	3.61E-08	2.69E-04	8.50E-08	3.61E-08
5303	492863.09, 3865877.25	2.00E-04	6.32E-08	2.68E-08	2.04E-04	6.45E-08	2.74E-08	2.04E-04	6.45E-08	2.73E-08
5304	493363.09, 3865877.25	1.96E-04	6.18E-08	2.62E-08	2.00E-04	6.30E-08	2.67E-08	1.99E-04	6.29E-08	2.67E-08
5305	493863.09, 3865877.25	2.23E-04	7.04E-08	2.99E-08	2.28E-04	7.18E-08	3.05E-08	2.27E-04	7.18E-08	3.04E-08
5306	494363.09, 3865877.25	2.58E-04	8.14E-08	3.45E-08	2.63E-04	8.30E-08	3.52E-08	2.63E-04	8.29E-08	3.52E-08
5307	494863.09, 3865877.25	3.01E-04	9.51E-08	4.04E-08	3.08E-04	9.71E-08	4.12E-08	3.07E-04	9.70E-08	4.11E-08
5308	495363.09, 3865877.25	3.04E-04	9.59E-08	4.07E-08	3.10E-04	9.78E-08	4.15E-08	3.10E-04	9.77E-08	4.15E-08
5309	495863.09, 3865877.25	3.06E-04	9.66E-08	4.10E-08	3.12E-04	9.86E-08	4.18E-08	3.12E-04	9.85E-08	4.18E-08
5310	496363.09, 3865877.25	3.07E-04	9.70E-08	4.12E-08	3.14E-04	9.90E-08	4.20E-08	3.13E-04	9.89E-08	4.19E-08
5311	496863.09, 3865877.25	3.04E-04	9.59E-08	4.07E-08	3.10E-04	9.78E-08	4.15E-08	3.10E-04	9.77E-08	4.15E-08
5312	497363.09, 3865877.25	3.14E-04	9.90E-08	4.20E-08	3.20E-04	1.01E-07	4.29E-08	3.20E-04	1.01E-07	4.28E-08
5313	497863.09, 3865877.25	3.06E-04	9.64E-08	4.09E-08	3.12E-04	9.84E-08	4.18E-08	3.11E-04	9.83E-08	4.17E-08
5314	498363.09, 3865877.25	2.85E-04	9.00E-08	3.82E-08	2.91E-04	9.19E-08	3.90E-08	2.91E-04	9.18E-08	3.89E-08
5315	471363.09, 3866377.25	1.75E-04	5.53E-08	2.35E-08	1.79E-04	5.65E-08	2.40E-08	1.79E-04	5.64E-08	2.39E-08
5316	471863.09, 3866377.25	1.79E-04	5.65E-08	2.40E-08	1.83E-04	5.76E-08	2.44E-08	1.82E-04	5.75E-08	2.44E-08
5317	472363.09, 3866377.25	1.82E-04	5.76E-08	2.44E-08	1.86E-04	5.87E-08	2.49E-08	1.86E-04	5.87E-08	2.49E-08
5318	472863.09, 3866377.25	1.85E-04	5.83E-08	2.47E-08	1.89E-04	5.95E-08	2.52E-08	1.88E-04	5.94E-08	2.52E-08
5319	473363.09, 3866377.25	1.88E-04	5.94E-08	2.52E-08	1.92E-04	6.06E-08	2.57E-08	1.92E-04	6.06E-08	2.57E-08
5320	473863.09, 3866377.25	1.92E-04	6.05E-08	2.57E-08	1.96E-04	6.18E-08	2.62E-08	1.96E-04	6.17E-08	2.62E-08
5321	474363.09, 3866377.25	1.95E-04	6.17E-08	2.62E-08	1.99E-04	6.29E-08	2.67E-08	1.99E-04	6.28E-08	2.67E-08
5322	474863.09, 3866377.25	1.99E-04	6.27E-08	2.66E-08	2.03E-04	6.40E-08	2.71E-08	2.02E-04	6.39E-08	2.71E-08
5323	475363.09, 3866377.25	2.01E-04	6.34E-08	2.69E-08	2.05E-04	6.47E-08	2.75E-08	2.05E-04	6.46E-08	2.74E-08
5324	475863.09, 3866377.25	2.03E-04	6.41E-08	2.72E-08	2.07E-04	6.54E-08	2.77E-08	2.07E-04	6.53E-08	2.77E-08
5325	476363.09, 3866377.25	2.07E-04	6.54E-08	2.77E-08	2.11E-04	6.67E-08	2.83E-08	2.11E-04	6.66E-08	2.83E-08
5326	476863.09, 3866377.25	2.01E-04	6.35E-08	2.70E-08	2.05E-04	6.48E-08	2.75E-08	2.05E-04	6.47E-08	2.75E-08
5327	477363.09, 3866377.25	2.09E-04	6.60E-08	2.80E-08	2.13E-04	6.74E-08	2.86E-08	2.13E-04	6.73E-08	2.86E-08
5328	477863.09, 3866377.25	2.12E-04	6.70E-08	2.84E-08	2.16E-04	6.83E-08	2.90E-08	2.16E-04	6.82E-08	2.90E-08

5329	478363.09, 3866377.25	2.14E-04	6.74E-08	2.86E-08	2.18E-04	6.88E-08	2.92E-08	2.18E-04	6.87E-08	2.92E-08
5330	478863.09, 3866377.25	2.16E-04	6.82E-08	2.89E-08	2.20E-04	6.96E-08	2.95E-08	2.20E-04	6.95E-08	2.95E-08
5331	479363.09, 3866377.25	2.18E-04	6.88E-08	2.92E-08	2.23E-04	7.02E-08	2.98E-08	2.22E-04	7.01E-08	2.98E-08
5332	479863.09, 3866377.25	2.20E-04	6.93E-08	2.94E-08	2.24E-04	7.07E-08	3.00E-08	2.24E-04	7.06E-08	3.00E-08
5333	480363.09, 3866377.25	2.21E-04	6.97E-08	2.96E-08	2.25E-04	7.11E-08	3.02E-08	2.25E-04	7.10E-08	3.01E-08
5334	480863.09, 3866377.25	2.21E-04	6.98E-08	2.96E-08	2.26E-04	7.13E-08	3.02E-08	2.26E-04	7.12E-08	3.02E-08
5335	481363.09, 3866377.25	2.22E-04	7.02E-08	2.98E-08	2.27E-04	7.16E-08	3.04E-08	2.27E-04	7.16E-08	3.04E-08
5336	481863.09, 3866377.25	2.24E-04	7.06E-08	2.99E-08	2.28E-04	7.20E-08	3.06E-08	2.28E-04	7.19E-08	3.05E-08
5337	482363.09, 3866377.25	2.27E-04	7.15E-08	3.03E-08	2.31E-04	7.30E-08	3.10E-08	2.31E-04	7.29E-08	3.09E-08
5338	482863.09, 3866377.25	2.31E-04	7.30E-08	3.10E-08	2.36E-04	7.45E-08	3.16E-08	2.36E-04	7.44E-08	3.16E-08
5339	483363.09, 3866377.25	2.36E-04	7.46E-08	3.16E-08	2.41E-04	7.61E-08	3.23E-08	2.41E-04	7.60E-08	3.23E-08
5340	483863.09, 3866377.25	2.43E-04	7.66E-08	3.25E-08	2.48E-04	7.82E-08	3.32E-08	2.47E-04	7.81E-08	3.31E-08
5341	484363.09, 3866377.25	2.50E-04	7.90E-08	3.35E-08	2.55E-04	8.06E-08	3.42E-08	2.55E-04	8.05E-08	3.41E-08
5342	484863.09, 3866377.25	2.59E-04	8.17E-08	3.47E-08	2.64E-04	8.34E-08	3.54E-08	2.64E-04	8.33E-08	3.54E-08
5343	485363.09, 3866377.25	2.66E-04	8.41E-08	3.57E-08	2.72E-04	8.58E-08	3.64E-08	2.71E-04	8.57E-08	3.64E-08
5344	485863.09, 3866377.25	2.73E-04	8.61E-08	3.65E-08	2.78E-04	8.79E-08	3.73E-08	2.78E-04	8.78E-08	3.72E-08
5345	486363.09, 3866377.25	2.78E-04	8.79E-08	3.73E-08	2.84E-04	8.97E-08	3.81E-08	2.84E-04	8.96E-08	3.80E-08
5346	486863.09, 3866377.25	2.84E-04	8.96E-08	3.80E-08	2.90E-04	9.14E-08	3.88E-08	2.89E-04	9.13E-08	3.87E-08
5347	487363.09, 3866377.25	2.92E-04	9.23E-08	3.91E-08	2.98E-04	9.41E-08	3.99E-08	2.98E-04	9.40E-08	3.99E-08
5348	487863.09, 3866377.25	2.97E-04	9.37E-08	3.98E-08	3.03E-04	9.57E-08	4.06E-08	3.03E-04	9.55E-08	4.05E-08
5349	488363.09, 3866377.25	3.00E-04	9.46E-08	4.01E-08	3.06E-04	9.65E-08	4.09E-08	3.05E-04	9.64E-08	4.09E-08
5350	488863.09, 3866377.25	2.97E-04	9.37E-08	3.98E-08	3.03E-04	9.57E-08	4.06E-08	3.03E-04	9.55E-08	4.05E-08
5351	489363.09, 3866377.25	2.91E-04	9.20E-08	3.90E-08	2.97E-04	9.39E-08	3.98E-08	2.97E-04	9.37E-08	3.98E-08
5352	489863.09, 3866377.25	2.80E-04	8.83E-08	3.74E-08	2.85E-04	9.01E-08	3.82E-08	2.85E-04	9.00E-08	3.82E-08
5353	490363.09, 3866377.25	2.97E-04	9.37E-08	3.97E-08	3.03E-04	9.56E-08	4.05E-08	3.02E-04	9.55E-08	4.05E-08
5354	490863.09, 3866377.25	2.94E-04	9.27E-08	3.93E-08	3.00E-04	9.46E-08	4.01E-08	2.99E-04	9.45E-08	4.01E-08
5355	491363.09, 3866377.25	2.88E-04	9.09E-08	3.86E-08	2.94E-04	9.27E-08	3.93E-08	2.93E-04	9.26E-08	3.93E-08
5356	491863.09, 3866377.25	2.43E-04	7.65E-08	3.25E-08	2.47E-04	7.81E-08	3.31E-08	2.47E-04	7.80E-08	3.31E-08
5357	492363.09, 3866377.25	2.46E-04	7.77E-08	3.30E-08	2.51E-04	7.93E-08	3.37E-08	2.51E-04	7.92E-08	3.36E-08
5358	492863.09, 3866377.25	2.17E-04	6.86E-08	2.91E-08	2.22E-04	7.00E-08	2.97E-08	2.22E-04	7.00E-08	2.97E-08
5359	493363.09, 3866377.25	2.27E-04	7.17E-08	3.04E-08	2.32E-04	7.32E-08	3.10E-08	2.32E-04	7.31E-08	3.10E-08
5360	493863.09, 3866377.25	2.41E-04	7.62E-08	3.23E-08	2.46E-04	7.77E-08	3.30E-08	2.46E-04	7.76E-08	3.29E-08
5361	494363.09, 3866377.25	2.62E-04	8.28E-08	3.51E-08	2.68E-04	8.45E-08	3.58E-08	2.67E-04	8.44E-08	3.58E-08
5362	494863.09, 3866377.25	2.61E-04	8.23E-08	3.49E-08	2.66E-04	8.40E-08	3.56E-08	2.66E-04	8.39E-08	3.56E-08
5363	495363.09, 3866377.25	2.59E-04	8.17E-08	3.46E-08	2.64E-04	8.33E-08	3.54E-08	2.64E-04	8.32E-08	3.53E-08
5364	495863.09, 3866377.25	2.56E-04	8.07E-08	3.43E-08	2.61E-04	8.24E-08	3.49E-08	2.61E-04	8.23E-08	3.49E-08
5365	496363.09, 3866377.25	2.60E-04	8.21E-08	3.48E-08	2.66E-04	8.38E-08	3.56E-08	2.65E-04	8.37E-08	3.55E-08
5366	496863.09, 3866377.25	2.57E-04	8.11E-08	3.44E-08	2.62E-04	8.28E-08	3.51E-08	2.62E-04	8.27E-08	3.51E-08
5367	497363.09, 3866377.25	2.63E-04	8.30E-08	3.52E-08	2.68E-04	8.47E-08	3.59E-08	2.68E-04	8.46E-08	3.59E-08
5368	497863.09, 3866377.25	2.74E-04	8.64E-08	3.67E-08	2.79E-04	8.82E-08	3.74E-08	2.79E-04	8.81E-08	3.74E-08
5369	498363.09, 3866377.25	2.39E-04	7.54E-08	3.20E-08	2.44E-04	7.70E-08	3.27E-08	2.44E-04	7.69E-08	3.26E-08
5370	474494.92, 3848334.16	8.93E-02	2.82E-05	1.20E-05	9.12E-02	2.88E-05	1.22E-05	9.10E-02	2.87E-05	1.22E-05
5371	475167.27, 3848920.79	9.91E-02	3.13E-05	1.33E-05	1.01E-01	3.19E-05	1.35E-05	1.01E-01	3.19E-05	1.35E-05
5372	475297.89, 3848997.96	1.02E-01	3.21E-05	1.36E-05	1.04E-01	3.27E-05	1.39E-05	1.04E-01	3.27E-05	1.39E-05
5373	475439.05, 3849062	1.01E-01	3.19E-05	1.35E-05	1.03E-01	3.26E-05	1.38E-05	1.03E-01	3.25E-05	1.38E-05
5374	475486.86, 3849061.09	7.90E-02	2.49E-05	1.06E-05	8.07E-02	2.55E-05	1.08E-05	8.06E-02	2.54E-05	1.08E-05
5375	475538.46, 3849075.56	7.82E-02	2.47E-05	1.05E-05	7.98E-02	2.52E-05	1.07E-05	7.97E-02	2.51E-05	1.07E-05
5376	475751.79, 3849137.15	1.05E-01	3.30E-05	1.40E-05	1.07E-01	3.37E-05	1.43E-05	1.07E-01	3.37E-05	1.43E-05
5377	476303.62, 3849223.38	1.19E-01	3.77E-05	1.60E-05	1.22E-01	3.84E-05	1.63E-05	1.22E-01	3.84E-05	1.63E-05
5378	476304.51, 3849238.92	1.14E-01	3.59E-05	1.52E-05	1.16E-01	3.67E-05	1.56E-05	1.16E-01	3.66E-05	1.55E-05
5379	476365.04, 3849247.98	1.11E-01	3.52E-05	1.49E-05	1.14E-01	3.59E-05	1.52E-05	1.14E-01	3.58E-05	1.52E-05
5380	476444.86, 3849267.13	1.15E-01	3.62E-05	1.53E-05	1.17E-01	3.69E-05	1.57E-05	1.17E-01	3.69E-05	1.56E-05
5381	476550.75, 3849300.66	1.22E-01	3.86E-05	1.64E-05	1.25E-01	3.94E-05	1.67E-05	1.25E-01	3.94E-05	1.67E-05
5382	476656.71, 3849346.88	1.25E-01	3.95E-05	1.68E-05	1.28E-01	4.04E-05	1.71E-05	1.28E-01	4.03E-05	1.71E-05
5383	476873.55, 3849454.53	1.14E-01	3.61E-05	1.53E-05	1.17E-01	3.69E-05	1.56E-05	1.17E-01	3.68E-05	1.56E-05
5384	477700, 3849859.7	8.08E-02	2.55E-05	1.08E-05	8.25E-02	2.60E-05	1.10E-05	8.24E-02	2.60E-05	1.10E-05
5385	477743.16, 3849856.38	1.13E-01	3.58E-05	1.52E-05	1.16E-01	3.65E-05	1.55E-05	1.16E-01	3.65E-05	1.55E-05
5386	478477.35, 3850216.33	1.05E-01	3.32E-05	1.41E-05	1.07E-01	3.39E-05	1.44E-05	1.07E-01	3.39E-05	1.44E-05
5387	478485.8, 3850201.6	9.78E-02	3.09E-05	1.31E-05	9.98E-02	3.15E-05	1.34E-05	9.96E-02	3.14E-05	1.33E-05
5388	479113.21, 3850501.53	9.09E-02	2.87E-05	1.22E-05	9.28E-02	2.93E-05	1.24E-05	9.27E-02	2.93E-05	1.24E-05
5389	479108.11, 3850382.28	4.46E-02	1.41E-05	5.97E-06	4.55E-02	1.44E-05	6.09E-06	4.54E-02	1.43E-05	6.08E-06
5390	479689.85, 3850674.28	4.73E-02	1.49E-05	6.33E-06	4.83E-02	1.52E-05	6.46E-06	4.82E-02	1.52E-05	6.46E-06

5391	479952.42, 3850774.28	4.22E-02	1.33E-05	5.66E-06	4.31E-02	1.36E-05	5.77E-06	4.31E-02	1.36E-05	5.77E-06
5392	479911.32, 3850884.85	9.20E-02	2.90E-05	1.23E-05	9.39E-02	2.96E-05	1.26E-05	9.38E-02	2.96E-05	1.26E-05
5393	480500.92, 3851178.12	9.87E-02	3.11E-05	1.32E-05	1.01E-01	3.18E-05	1.35E-05	1.01E-01	3.17E-05	1.35E-05
5394	480738.01, 3851289.27	9.46E-02	2.98E-05	1.27E-05	9.65E-02	3.05E-05	1.29E-05	9.64E-02	3.04E-05	1.29E-05
5395	481055.42, 3851443.58	9.45E-02	2.98E-05	1.27E-05	9.65E-02	3.04E-05	1.29E-05	9.63E-02	3.04E-05	1.29E-05
5396	481110.22, 3851443.15	7.32E-02	2.31E-05	9.80E-06	7.47E-02	2.36E-05	1.00E-05	7.46E-02	2.35E-05	9.99E-06
5397	481111.1, 3851417.45	6.17E-02	1.95E-05	8.27E-06	6.30E-02	1.99E-05	8.44E-06	6.29E-02	1.99E-05	8.43E-06
5398	482248.44, 3852605.09	9.02E-02	2.85E-05	1.21E-05	9.21E-02	2.91E-05	1.23E-05	9.20E-02	2.90E-05	1.23E-05
5399	482273.34, 3852632.31	9.33E-02	2.94E-05	1.25E-05	9.52E-02	3.00E-05	1.27E-05	9.50E-02	3.00E-05	1.27E-05
5400	482665.46, 3853038.72	7.72E-02	2.44E-05	1.03E-05	7.87E-02	2.49E-05	1.05E-05	7.86E-02	2.48E-05	1.05E-05
5401	483077.95, 3853844.31	3.79E-03	1.20E-06	5.07E-07	3.87E-03	1.22E-06	5.18E-07	3.86E-03	1.22E-06	5.17E-07
5402	483121.38, 3853909.38	3.37E-03	1.06E-06	4.52E-07	3.44E-03	1.09E-06	4.61E-07	3.44E-03	1.09E-06	4.60E-07
5403	483492.64, 3853911.49	3.33E-03	1.05E-06	4.46E-07	3.40E-03	1.07E-06	4.55E-07	3.40E-03	1.07E-06	4.55E-07
5404	483498.29, 3854204.73	2.35E-03	7.41E-07	3.14E-07	2.39E-03	7.56E-07	3.21E-07	2.39E-03	7.55E-07	3.20E-07
5405	484132.44, 3854662.55	1.38E-03	4.37E-07	1.85E-07	1.41E-03	4.46E-07	1.89E-07	1.41E-03	4.45E-07	1.89E-07
5406	484627.62, 3854876.13	1.33E-03	4.21E-07	1.79E-07	1.36E-03	4.30E-07	1.82E-07	1.36E-03	4.29E-07	1.82E-07
5407	484756.14, 3854949.04	1.32E-03	4.16E-07	1.77E-07	1.35E-03	4.25E-07	1.80E-07	1.34E-03	4.24E-07	1.80E-07
5408	486697.51, 3856599.17	8.89E-04	2.81E-07	1.19E-07	9.07E-04	2.86E-07	1.21E-07	9.06E-04	2.86E-07	1.21E-07
5409	487105.31, 3856962.27	9.10E-04	2.87E-07	1.22E-07	9.29E-04	2.93E-07	1.24E-07	9.28E-04	2.93E-07	1.24E-07
5410	487157.57, 3856901.7	9.12E-04	2.88E-07	1.22E-07	9.31E-04	2.94E-07	1.25E-07	9.30E-04	2.93E-07	1.24E-07
5411	487173.5, 3856853.74	9.09E-04	2.87E-07	1.22E-07	9.27E-04	2.93E-07	1.24E-07	9.26E-04	2.92E-07	1.24E-07
5412	487564.41, 3856860.83	9.03E-04	2.85E-07	1.21E-07	9.21E-04	2.91E-07	1.23E-07	9.20E-04	2.90E-07	1.23E-07
5413	487563.31, 3856931.58	9.11E-04	2.87E-07	1.22E-07	9.29E-04	2.93E-07	1.24E-07	9.28E-04	2.93E-07	1.24E-07
5414	487782.7, 3856926.85	9.18E-04	2.90E-07	1.23E-07	9.37E-04	2.96E-07	1.25E-07	9.36E-04	2.95E-07	1.25E-07
5415	487782.39, 3856757.07	9.06E-04	2.86E-07	1.21E-07	9.25E-04	2.92E-07	1.24E-07	9.24E-04	2.92E-07	1.24E-07
5416	487917.26, 3856752.41	9.11E-04	2.87E-07	1.22E-07	9.29E-04	2.93E-07	1.24E-07	9.28E-04	2.93E-07	1.24E-07
5417	487919.57, 3856953.35	9.29E-04	2.93E-07	1.24E-07	9.48E-04	2.99E-07	1.27E-07	9.47E-04	2.99E-07	1.27E-07
5418	487932.76, 3857000.32	9.32E-04	2.94E-07	1.25E-07	9.51E-04	3.00E-07	1.27E-07	9.50E-04	3.00E-07	1.27E-07
5419	487960.5, 3857044.75	9.37E-04	2.96E-07	1.26E-07	9.56E-04	3.02E-07	1.28E-07	9.55E-04	3.02E-07	1.28E-07
5420	488016.54, 3857089.54	9.44E-04	2.98E-07	1.26E-07	9.64E-04	3.04E-07	1.29E-07	9.63E-04	3.04E-07	1.29E-07
5421	488114.39, 3857165.47	9.60E-04	3.03E-07	1.29E-07	9.80E-04	3.09E-07	1.31E-07	9.78E-04	3.09E-07	1.31E-07
5422	488171.49, 3857234.24	9.78E-04	3.09E-07	1.31E-07	9.98E-04	3.15E-07	1.34E-07	9.96E-04	3.15E-07	1.33E-07
5423	488193.16, 3857297.8	9.97E-04	3.15E-07	1.34E-07	1.02E-03	3.21E-07	1.36E-07	1.02E-03	3.21E-07	1.36E-07
5424	488189.27, 3857649.94	1.14E-03	3.59E-07	1.52E-07	1.16E-03	3.67E-07	1.56E-07	1.16E-03	3.66E-07	1.55E-07
5425	488127.43, 3857732.32	1.17E-03	3.70E-07	1.57E-07	1.20E-03	3.78E-07	1.60E-07	1.20E-03	3.77E-07	1.60E-07
5426	488149.93, 3857752.94	1.19E-03	3.74E-07	1.59E-07	1.21E-03	3.82E-07	1.62E-07	1.21E-03	3.81E-07	1.62E-07
5427	488144.76, 3857758.71	1.19E-03	3.75E-07	1.59E-07	1.21E-03	3.82E-07	1.62E-07	1.21E-03	3.82E-07	1.62E-07
5428	488335.58, 3857932.55	1.36E-03	4.30E-07	1.82E-07	1.39E-03	4.39E-07	1.86E-07	1.39E-03	4.38E-07	1.86E-07
5429	488372.29, 3857943.79	1.38E-03	4.36E-07	1.85E-07	1.41E-03	4.45E-07	1.89E-07	1.41E-03	4.44E-07	1.88E-07
5430	488828.64, 3857936.4	1.42E-03	4.50E-07	1.91E-07	1.45E-03	4.59E-07	1.95E-07	1.45E-03	4.58E-07	1.94E-07
5431	488829.08, 3857959.58	1.45E-03	4.56E-07	1.94E-07	1.48E-03	4.66E-07	1.98E-07	1.47E-03	4.65E-07	1.97E-07
5432	488351.61, 3857964.55	1.40E-03	4.41E-07	1.87E-07	1.43E-03	4.50E-07	1.91E-07	1.42E-03	4.49E-07	1.91E-07
5433	488316.87, 3857947.65	1.37E-03	4.33E-07	1.84E-07	1.40E-03	4.42E-07	1.87E-07	1.40E-03	4.41E-07	1.87E-07
5434	488129.1, 3857775.77	1.19E-03	3.77E-07	1.60E-07	1.22E-03	3.85E-07	1.63E-07	1.22E-03	3.84E-07	1.63E-07
5435	488062.53, 3857846.13	1.23E-03	3.88E-07	1.65E-07	1.25E-03	3.96E-07	1.68E-07	1.25E-03	3.95E-07	1.68E-07
5436	488330.41, 3858091.34	1.51E-03	4.77E-07	2.02E-07	1.54E-03	4.87E-07	2.07E-07	1.54E-03	4.86E-07	2.06E-07
5437	488470.87, 3858174.45	1.69E-03	5.34E-07	2.27E-07	1.73E-03	5.45E-07	2.31E-07	1.73E-03	5.45E-07	2.31E-07
5438	488568.9, 3858262.31	1.89E-03	5.97E-07	2.53E-07	1.93E-03	6.10E-07	2.59E-07	1.93E-03	6.09E-07	2.58E-07
5439	488964.27, 3858025.71	1.52E-03	4.81E-07	2.04E-07	1.55E-03	4.90E-07	2.08E-07	1.55E-03	4.90E-07	2.08E-07
5440	489147.25, 3857956.64	1.41E-03	4.45E-07	1.89E-07	1.44E-03	4.55E-07	1.93E-07	1.44E-03	4.54E-07	1.93E-07
5441	489343.52, 3857932.45	1.31E-03	4.12E-07	1.75E-07	1.33E-03	4.21E-07	1.78E-07	1.33E-03	4.20E-07	1.78E-07
5442	489866.19, 3857923.19	1.19E-03	3.77E-07	1.60E-07	1.22E-03	3.85E-07	1.63E-07	1.22E-03	3.84E-07	1.63E-07
5443	489955.65, 3857902.27	1.16E-03	3.66E-07	1.55E-07	1.18E-03	3.73E-07	1.58E-07	1.18E-03	3.73E-07	1.58E-07
5444	490079.44, 3857847.9	1.13E-03	3.57E-07	1.51E-07	1.15E-03	3.64E-07	1.54E-07	1.15E-03	3.64E-07	1.54E-07
5445	490108.49, 3857934.13	1.19E-03	3.76E-07	1.59E-07	1.22E-03	3.83E-07	1.63E-07	1.21E-03	3.83E-07	1.63E-07
5446	489884.48, 3858014.17	1.28E-03	4.05E-07	1.72E-07	1.31E-03	4.14E-07	1.76E-07	1.31E-03	4.13E-07	1.75E-07
5447	489326.56, 3858025.86	1.42E-03	4.49E-07	1.90E-07	1.45E-03	4.58E-07	1.94E-07	1.45E-03	4.57E-07	1.94E-07
5448	489130.38, 3858056.71	1.52E-03	4.78E-07	2.03E-07	1.55E-03	4.88E-07	2.07E-07	1.54E-03	4.87E-07	2.07E-07
5449	488936.49, 3858143.93	1.69E-03	5.32E-07	2.26E-07	1.72E-03	5.43E-07	2.30E-07	1.72E-03	5.42E-07	2.30E-07
5450	488638.08, 3858327.45	2.06E-03	6.49E-07	2.76E-07	2.10E-03	6.63E-07	2.81E-07	2.10E-03	6.62E-07	2.81E-07
5451	488663.79, 3858349.57	2.12E-03	6.70E-07	2.84E-07	2.17E-03	6.83E-07	2.90E-07	2.16E-03	6.83E-07	2.90E-07
5452	488694.56, 3858349.5	2.13E-03	6.71E-07	2.85E-07	2.17E-03	6.85E-07	2.91E-07	2.17E-03	6.84E-07	2.90E-07

5453	488694.35, 3858336.75	2.09E-03	6.60E-07	2.80E-07	2.13E-03	6.73E-07	2.86E-07	2.13E-03	6.73E-07	2.85E-07
5454	488712.81, 3858336.38	2.09E-03	6.61E-07	2.80E-07	2.14E-03	6.74E-07	2.86E-07	2.13E-03	6.73E-07	2.86E-07
5455	488713.23, 3858367.46	2.18E-03	6.90E-07	2.93E-07	2.23E-03	7.04E-07	2.99E-07	2.23E-03	7.03E-07	2.98E-07
5456	488704.63, 3858384.05	2.24E-03	7.06E-07	2.99E-07	2.28E-03	7.20E-07	3.05E-07	2.28E-03	7.19E-07	3.05E-07
5457	488604.15, 3858488.29	2.59E-03	8.17E-07	3.47E-07	2.64E-03	8.34E-07	3.54E-07	2.64E-03	8.33E-07	3.53E-07
5458	488605.66, 3858550.47	2.87E-03	9.06E-07	3.85E-07	2.93E-03	9.25E-07	3.92E-07	2.93E-03	9.24E-07	3.92E-07
5459	488692.68, 3858548.71	2.97E-03	9.37E-07	3.97E-07	3.03E-03	9.56E-07	4.06E-07	3.02E-03	9.55E-07	4.05E-07
5460	488759.93, 3858461.81	2.55E-03	8.04E-07	3.41E-07	2.60E-03	8.20E-07	3.48E-07	2.60E-03	8.19E-07	3.48E-07
5461	488816.57, 3858541.79	3.00E-03	9.47E-07	4.02E-07	3.06E-03	9.66E-07	4.10E-07	3.06E-03	9.65E-07	4.09E-07
5462	488944.63, 3858656.77	4.06E-03	1.28E-06	5.44E-07	4.15E-03	1.31E-06	5.55E-07	4.14E-03	1.31E-06	5.55E-07
5463	489134.91, 3858830.7	1.30E-02	4.09E-06	1.73E-06	1.32E-02	4.17E-06	1.77E-06	1.32E-02	4.17E-06	1.77E-06
5464	489193.99, 3858886.05	2.05E-02	6.46E-06	2.74E-06	2.09E-02	6.59E-06	2.80E-06	2.09E-02	6.58E-06	2.79E-06
5465	489295.2, 3858954.34	2.72E-02	8.58E-06	3.64E-06	2.77E-02	8.75E-06	3.71E-06	2.77E-02	8.74E-06	3.71E-06
5466	489295.64, 3858992.74	3.45E-02	1.09E-05	4.62E-06	3.52E-02	1.11E-05	4.71E-06	3.51E-02	1.11E-05	4.71E-06
5467	489183.74, 3858911.72	2.60E-02	8.19E-06	3.48E-06	2.65E-02	8.36E-06	3.55E-06	2.65E-02	8.35E-06	3.54E-06
5468	488873.37, 3858625.59	3.71E-03	1.17E-06	4.96E-07	3.78E-03	1.19E-06	5.07E-07	3.78E-03	1.19E-06	5.06E-07
5469	488842.84, 3858658.69	4.08E-03	1.29E-06	5.46E-07	4.16E-03	1.31E-06	5.58E-07	4.16E-03	1.31E-06	5.57E-07
5470	488856.39, 3858670.93	4.26E-03	1.34E-06	5.70E-07	4.34E-03	1.37E-06	5.82E-07	4.34E-03	1.37E-06	5.81E-07
5471	488805.7, 3858724.5	5.14E-03	1.62E-06	6.88E-07	5.25E-03	1.66E-06	7.03E-07	5.24E-03	1.65E-06	7.02E-07
5472	488805.87, 3858804.16	7.97E-03	2.51E-06	1.07E-06	8.13E-03	2.57E-06	1.09E-06	8.12E-03	2.56E-06	1.09E-06
5473	488995.78, 3858936.96	7.31E-02	2.31E-05	9.79E-06	7.46E-02	2.35E-05	9.99E-06	7.45E-02	2.35E-05	9.98E-06
5474	489130.76, 3859017.38	8.20E-02	2.59E-05	1.10E-05	8.37E-02	2.64E-05	1.12E-05	8.36E-02	2.64E-05	1.12E-05
5475	489130.92, 3859052.24	7.25E-02	2.29E-05	9.71E-06	7.40E-02	2.33E-05	9.90E-06	7.39E-02	2.33E-05	9.89E-06
5476	489200.33, 3859090.6	9.23E-02	2.91E-05	1.24E-05	9.41E-02	2.97E-05	1.26E-05	9.40E-02	2.97E-05	1.26E-05
5477	489296.07, 3859143.7	9.94E-02	3.14E-05	1.33E-05	1.01E-01	3.20E-05	1.36E-05	1.01E-01	3.20E-05	1.36E-05
5478	489296.43, 3858954.74	2.72E-02	8.58E-06	3.64E-06	2.77E-02	8.75E-06	3.71E-06	2.77E-02	8.74E-06	3.71E-06
5479	489410.33, 3859033.19	3.22E-02	1.02E-05	4.32E-06	3.29E-02	1.04E-05	4.41E-06	3.29E-02	1.04E-05	4.40E-06
5480	489371.37, 3859089.8	4.96E-02	1.57E-05	6.65E-06	5.06E-02	1.60E-05	6.78E-06	5.06E-02	1.60E-05	6.77E-06
5481	489390.52, 3859102.82	5.06E-02	1.60E-05	6.78E-06	5.17E-02	1.63E-05	6.92E-06	5.16E-02	1.63E-05	6.91E-06
5482	489382.3, 3859114.53	5.65E-02	1.78E-05	7.56E-06	5.76E-02	1.82E-05	7.72E-06	5.76E-02	1.82E-05	7.71E-06
5483	489363.04, 3859102.45	5.57E-02	1.76E-05	7.45E-06	5.68E-02	1.79E-05	7.61E-06	5.67E-02	1.79E-05	7.60E-06
5484	489337.52, 3859140.71	8.58E-02	2.71E-05	1.15E-05	8.75E-02	2.76E-05	1.17E-05	8.74E-02	2.76E-05	1.17E-05
5485	489375.14, 3859164.55	9.05E-02	2.86E-05	1.21E-05	9.24E-02	2.92E-05	1.24E-05	9.23E-02	2.91E-05	1.24E-05
5486	489409.3, 3859114.5	5.14E-02	1.62E-05	6.88E-06	5.24E-02	1.65E-05	7.02E-06	5.23E-02	1.65E-05	7.01E-06
5487	489434.87, 3859131.81	5.30E-02	1.67E-05	7.09E-06	5.40E-02	1.71E-05	7.24E-06	5.40E-02	1.70E-05	7.23E-06
5488	489471.87, 3859075.75	3.45E-02	1.09E-05	4.62E-06	3.52E-02	1.11E-05	4.72E-06	3.52E-02	1.11E-05	4.71E-06
5489	489602.62, 3859164.69	3.95E-02	1.25E-05	5.30E-06	4.04E-02	1.27E-05	5.40E-06	4.03E-02	1.27E-05	5.40E-06
5490	489558.29, 3859232.45	7.02E-02	2.22E-05	9.41E-06	7.17E-02	2.26E-05	9.60E-06	7.16E-02	2.26E-05	9.59E-06
5491	489620.11, 3859273.56	7.55E-02	2.38E-05	1.01E-05	7.71E-02	2.43E-05	1.03E-05	7.70E-02	2.43E-05	1.03E-05
5492	489666.06, 3859206.42	4.18E-02	1.32E-05	5.60E-06	4.26E-02	1.35E-05	5.71E-06	4.26E-02	1.34E-05	5.70E-06
5493	489787.9, 3859285.65	4.58E-02	1.44E-05	6.13E-06	4.67E-02	1.47E-05	6.26E-06	4.67E-02	1.47E-05	6.25E-06
5494	489752.17, 3859343.13	7.53E-02	2.38E-05	1.01E-05	7.68E-02	2.43E-05	1.03E-05	7.68E-02	2.42E-05	1.03E-05
5495	489814.94, 3859385.33	8.12E-02	2.56E-05	1.09E-05	8.29E-02	2.62E-05	1.11E-05	8.28E-02	2.61E-05	1.11E-05
5496	489853.42, 3859330.74	4.86E-02	1.53E-05	6.51E-06	4.96E-02	1.57E-05	6.64E-06	4.95E-02	1.56E-05	6.63E-06
5497	489969.5, 3859401.91	5.16E-02	1.63E-05	6.91E-06	5.26E-02	1.66E-05	7.05E-06	5.26E-02	1.66E-05	7.04E-06
5498	490166.91, 3859486.96	4.79E-02	1.51E-05	6.41E-06	4.89E-02	1.54E-05	6.54E-06	4.88E-02	1.54E-05	6.54E-06
5499	490128.86, 3859571.46	1.11E-01	3.51E-05	1.49E-05	1.14E-01	3.58E-05	1.52E-05	1.13E-01	3.58E-05	1.52E-05
5500	490186.65, 3859593.65	1.13E-01	3.57E-05	1.52E-05	1.15E-01	3.64E-05	1.55E-05	1.15E-01	3.64E-05	1.54E-05
5501	490223.74, 3859517.48	4.96E-02	1.56E-05	6.64E-06	5.06E-02	1.60E-05	6.77E-06	5.05E-02	1.59E-05	6.77E-06
5502	490846.34, 3859817.22	7.34E-02	2.32E-05	9.83E-06	7.49E-02	2.36E-05	1.00E-05	7.48E-02	2.36E-05	1.00E-05
5503	490925.65, 3859844.59	6.81E-02	2.15E-05	9.12E-06	6.95E-02	2.19E-05	9.30E-06	6.94E-02	2.19E-05	9.29E-06
5504	491159.29, 3859896.28	4.94E-02	1.56E-05	6.62E-06	5.05E-02	1.59E-05	6.76E-06	5.04E-02	1.59E-05	6.75E-06
5505	491370.69, 3859960.89	3.71E-02	1.17E-05	4.96E-06	3.78E-02	1.19E-05	5.07E-06	3.78E-02	1.19E-05	5.06E-06
5506	491330.28, 3860063.17	5.85E-02	1.85E-05	7.84E-06	5.97E-02	1.88E-05	8.00E-06	5.96E-02	1.88E-05	7.99E-06
5507	491636.45, 3860180.75	3.72E-02	1.17E-05	4.98E-06	3.79E-02	1.20E-05	5.08E-06	3.79E-02	1.20E-05	5.07E-06
5508	491617.94, 3860203.93	4.20E-02	1.33E-05	5.62E-06	4.29E-02	1.35E-05	5.74E-06	4.28E-02	1.35E-05	5.73E-06
5509	491805.68, 3860271.59	3.27E-02	1.03E-05	4.38E-06	3.34E-02	1.05E-05	4.47E-06	3.34E-02	1.05E-05	4.47E-06
5510	491654.23, 3860414.02	5.70E-02	1.80E-05	7.63E-06	5.81E-02	1.83E-05	7.78E-06	5.81E-02	1.83E-05	7.77E-06
5511	491592.62, 3860510.76	1.94E-02	6.14E-06	2.60E-06	1.98E-02	6.26E-06	2.66E-06	1.98E-02	6.25E-06	2.65E-06
5512	491475.41, 3860368.93	2.99E-02	9.44E-06	4.01E-06	3.05E-02	9.64E-06	4.09E-06	3.05E-02	9.63E-06	4.08E-06
5513	491445.61, 3860337.28	3.28E-02	1.03E-05	4.39E-06	3.35E-02	1.06E-05	4.48E-06	3.34E-02	1.05E-05	4.47E-06
5514	491399.05, 3860300.37	3.44E-02	1.09E-05	4.60E-06	3.51E-02	1.11E-05	4.70E-06	3.50E-02	1.11E-05	4.69E-06

5515	491228.84, 3860235.98	2.32E-02	7.33E-06	3.11E-06	2.37E-02	7.48E-06	3.18E-06	2.37E-02	7.48E-06	3.17E-06
5516	491228.47, 3860174.57	3.66E-02	1.16E-05	4.91E-06	3.74E-02	1.18E-05	5.01E-06	3.73E-02	1.18E-05	5.00E-06
5517	491145.77, 3860112.55	3.77E-02	1.19E-05	5.04E-06	3.84E-02	1.21E-05	5.15E-06	3.84E-02	1.21E-05	5.14E-06
5518	490844.41, 3859966.22	3.59E-02	1.13E-05	4.81E-06	3.66E-02	1.16E-05	4.91E-06	3.66E-02	1.16E-05	4.90E-06
5519	490845.55, 3859928.15	5.71E-02	1.80E-05	7.65E-06	5.83E-02	1.84E-05	7.80E-06	5.82E-02	1.84E-05	7.79E-06
5520	490046.91, 3859625.6	4.40E-02	1.39E-05	5.89E-06	4.49E-02	1.42E-05	6.02E-06	4.49E-02	1.42E-05	6.01E-06
5521	489970.48, 3859589.4	4.40E-02	1.39E-05	5.90E-06	4.49E-02	1.42E-05	6.02E-06	4.49E-02	1.42E-05	6.01E-06
5522	489865.89, 3859529.06	4.68E-02	1.48E-05	6.27E-06	4.78E-02	1.51E-05	6.40E-06	4.77E-02	1.51E-05	6.39E-06
5523	489826.89, 3859531.74	3.61E-02	1.14E-05	4.83E-06	3.68E-02	1.16E-05	4.93E-06	3.68E-02	1.16E-05	4.92E-06
5524	489410.47, 3859303.06	3.47E-02	1.10E-05	4.65E-06	3.54E-02	1.12E-05	4.75E-06	3.54E-02	1.12E-05	4.74E-06
5525	489407.15, 3859286.09	4.09E-02	1.29E-05	5.48E-06	4.18E-02	1.32E-05	5.59E-06	4.17E-02	1.32E-05	5.59E-06
5526	488806.07, 3858963.62	1.64E-02	5.17E-06	2.19E-06	1.67E-02	5.27E-06	2.24E-06	1.67E-02	5.27E-06	2.23E-06
5527	488817.64, 3859546.3	4.97E-03	1.57E-06	6.65E-07	5.07E-03	1.60E-06	6.79E-07	5.06E-03	1.60E-06	6.78E-07
5528	489187.25, 3859549.52	7.76E-03	2.45E-06	1.04E-06	7.92E-03	2.50E-06	1.06E-06	7.91E-03	2.50E-06	1.06E-06
5529	489187.66, 3859523.74	8.18E-03	2.58E-06	1.10E-06	8.35E-03	2.64E-06	1.12E-06	8.34E-03	2.63E-06	1.12E-06
5530	489232.59, 3859522.85	8.80E-03	2.78E-06	1.18E-06	8.98E-03	2.83E-06	1.20E-06	8.96E-03	2.83E-06	1.20E-06
5531	489224.98, 3859759.91	5.70E-03	1.80E-06	7.63E-07	5.81E-03	1.84E-06	7.79E-07	5.81E-03	1.83E-06	7.78E-07
5532	488401.39, 3859763.34	2.74E-03	8.64E-07	3.67E-07	2.79E-03	8.82E-07	3.74E-07	2.79E-03	8.80E-07	3.74E-07
5533	488405.51, 3859966.16	2.44E-03	7.69E-07	3.26E-07	2.49E-03	7.85E-07	3.33E-07	2.48E-03	7.84E-07	3.33E-07
5534	489202.85, 3859956.57	4.37E-03	1.38E-06	5.86E-07	4.46E-03	1.41E-06	5.98E-07	4.46E-03	1.41E-06	5.97E-07
5535	489191.9, 3860676.74	2.25E-03	7.10E-07	3.01E-07	2.29E-03	7.24E-07	3.07E-07	2.29E-03	7.23E-07	3.07E-07
5536	488392.82, 3860687.88	1.66E-03	5.24E-07	2.22E-07	1.69E-03	5.34E-07	2.27E-07	1.69E-03	5.34E-07	2.26E-07
5537	488392.82, 3860760.27	1.61E-03	5.09E-07	2.16E-07	1.64E-03	5.19E-07	2.20E-07	1.64E-03	5.18E-07	2.20E-07
5538	487549.05, 3860777.45	1.16E-03	3.66E-07	1.55E-07	1.18E-03	3.74E-07	1.59E-07	1.18E-03	3.73E-07	1.58E-07
5539	487554.62, 3859571.83	1.65E-03	5.20E-07	2.20E-07	1.68E-03	5.30E-07	2.25E-07	1.68E-03	5.30E-07	2.25E-07
5540	485949.46, 3859558.54	8.62E-04	2.72E-07	1.15E-07	8.80E-04	2.78E-07	1.18E-07	8.79E-04	2.77E-07	1.18E-07
5541	485947.55, 3857943.61	8.71E-04	2.75E-07	1.17E-07	8.89E-04	2.81E-07	1.19E-07	8.88E-04	2.80E-07	1.19E-07
5542	484738.38, 3857940.21	7.75E-04	2.45E-07	1.04E-07	7.91E-04	2.50E-07	1.06E-07	7.90E-04	2.49E-07	1.06E-07
5543	484737.06, 3857535.68	7.71E-04	2.43E-07	1.03E-07	7.87E-04	2.48E-07	1.05E-07	7.86E-04	2.48E-07	1.05E-07
5544	483730.2, 3857530.13	7.44E-04	2.35E-07	9.96E-08	7.59E-04	2.40E-07	1.02E-07	7.58E-04	2.39E-07	1.02E-07
5545	483727.27, 3857130.01	7.66E-04	2.42E-07	1.03E-07	7.82E-04	2.47E-07	1.05E-07	7.81E-04	2.47E-07	1.05E-07
5546	483124.42, 3857123.45	7.51E-04	2.37E-07	1.01E-07	7.66E-04	2.42E-07	1.03E-07	7.66E-04	2.42E-07	1.03E-07
5547	483111.13, 3855921.03	9.82E-04	3.10E-07	1.32E-07	1.00E-03	3.16E-07	1.34E-07	1.00E-03	3.16E-07	1.34E-07
5548	482701.73, 3855918.24	9.74E-04	3.07E-07	1.30E-07	9.94E-04	3.14E-07	1.33E-07	9.93E-04	3.13E-07	1.33E-07
5549	482668.02, 3853521.78	9.81E-03	3.10E-06	1.31E-06	1.00E-02	3.16E-06	1.34E-06	1.00E-02	3.15E-06	1.34E-06
5550	482579.91, 3853219.19	1.97E-02	6.20E-06	2.63E-06	2.01E-02	6.33E-06	2.69E-06	2.00E-02	6.32E-06	2.68E-06
5551	482434.06, 3852961.94	2.69E-02	8.50E-06	3.61E-06	2.75E-02	8.67E-06	3.68E-06	2.74E-02	8.66E-06	3.68E-06
5552	482332.11, 3852832.85	3.11E-02	9.82E-06	4.16E-06	3.17E-02	1.00E-05	4.25E-06	3.17E-02	1.00E-05	4.24E-06
5553	481334.99, 3851818.96	3.12E-02	9.83E-06	4.17E-06	3.18E-02	1.00E-05	4.26E-06	3.18E-02	1.00E-05	4.25E-06
5554	481127.62, 3851646.36	3.28E-02	1.04E-05	4.40E-06	3.35E-02	1.06E-05	4.49E-06	3.35E-02	1.06E-05	4.48E-06
5555	481025.04, 3851591.73	3.07E-02	9.69E-06	4.11E-06	3.13E-02	9.89E-06	4.19E-06	3.13E-02	9.87E-06	4.19E-06
5556	480513.6, 3851335.76	3.08E-02	9.71E-06	4.12E-06	3.14E-02	9.90E-06	4.20E-06	3.13E-02	9.89E-06	4.20E-06
5557	480523.56, 3851317.66	3.61E-02	1.14E-05	4.84E-06	3.69E-02	1.16E-05	4.94E-06	3.68E-02	1.16E-05	4.93E-06
5558	476921.56, 3849569.11	3.82E-02	1.21E-05	5.12E-06	3.90E-02	1.23E-05	5.22E-06	3.90E-02	1.23E-05	5.22E-06
5559	476521.19, 3849373.96	5.09E-02	1.61E-05	6.82E-06	5.20E-02	1.64E-05	6.96E-06	5.19E-02	1.64E-05	6.95E-06
5560	476391.45, 3849333.38	5.22E-02	1.65E-05	6.99E-06	5.32E-02	1.68E-05	7.13E-06	5.32E-02	1.68E-05	7.12E-06
5561	476219.41, 3849304.29	4.98E-02	1.57E-05	6.67E-06	5.08E-02	1.60E-05	6.81E-06	5.08E-02	1.60E-05	6.80E-06
5562	475679.11, 3849218.47	4.39E-02	1.38E-05	5.87E-06	4.48E-02	1.41E-05	5.99E-06	4.47E-02	1.41E-05	5.99E-06
5563	475677.71, 3849233.88	3.62E-02	1.14E-05	4.85E-06	3.69E-02	1.17E-05	4.95E-06	3.69E-02	1.16E-05	4.94E-06
5564	475492.74, 3849204.66	2.30E-02	7.27E-06	3.08E-06	2.35E-02	7.42E-06	3.15E-06	2.35E-02	7.41E-06	3.14E-06
5565	475497.64, 3849158.75	5.62E-02	1.77E-05	7.53E-06	5.73E-02	1.81E-05	7.68E-06	5.73E-02	1.81E-05	7.67E-06
5566	475391.35, 3849141.94	3.84E-02	1.21E-05	5.14E-06	3.92E-02	1.24E-05	5.24E-06	3.91E-02	1.23E-05	5.24E-06
5567	475277, 3849095.47	3.31E-02	1.04E-05	4.43E-06	3.38E-02	1.07E-05	4.52E-06	3.37E-02	1.06E-05	4.52E-06
5568	475183.93, 3849025.66	3.81E-02	1.20E-05	5.10E-06	3.89E-02	1.23E-05	5.21E-06	3.88E-02	1.23E-05	5.20E-06
5569	474453.23, 3848378.77	4.34E-02	1.37E-05	5.81E-06	4.43E-02	1.40E-05	5.93E-06	4.43E-02	1.40E-05	5.93E-06
5570	474569.63, 3848399.34	8.30E-02	2.62E-05	1.11E-05	8.47E-02	2.67E-05	1.13E-05	8.46E-02	2.67E-05	1.13E-05
5571	474644.33, 3848464.52	7.67E-02	2.42E-05	1.03E-05	7.82E-02	2.47E-05	1.05E-05	7.81E-02	2.47E-05	1.05E-05
5572	474719.04, 3848529.7	9.98E-02	3.15E-05	1.34E-05	1.02E-01	3.22E-05	1.36E-05	1.02E-01	3.21E-05	1.36E-05
5573	474793.74, 3848594.88	8.53E-02	2.69E-05	1.14E-05	8.71E-02	2.75E-05	1.17E-05	8.70E-02	2.75E-05	1.16E-05
5574	474868.45, 3848660.07	9.88E-02	3.12E-05	1.32E-05	1.01E-01	3.18E-05	1.35E-05	1.01E-01	3.18E-05	1.35E-05
5575	474943.15, 3848725.25	9.85E-02	3.11E-05	1.32E-05	1.00E-01	3.17E-05	1.35E-05	1.00E-01	3.17E-05	1.34E-05
5576	475017.86, 3848790.43	9.92E-02	3.13E-05	1.33E-05	1.01E-01	3.20E-05	1.36E-05	1.01E-01	3.19E-05	1.35E-05

5577 475092.56, 3848855.61	9.92E-02	3.13E-05	1.33E-05	1.01E-01	3.20E-05	1.36E-05	1.01E-01	3.19E-05	1.35E-05
5578 475232.58, 3848959.38	9.56E-02	3.02E-05	1.28E-05	9.76E-02	3.08E-05	1.31E-05	9.74E-02	3.08E-05	1.30E-05
5579 475368.47, 3849029.98	9.78E-02	3.09E-05	1.31E-05	9.98E-02	3.15E-05	1.34E-05	9.96E-02	3.15E-05	1.33E-05
5580 475609.57, 3849096.09	8.23E-02	2.60E-05	1.10E-05	8.40E-02	2.65E-05	1.13E-05	8.39E-02	2.65E-05	1.12E-05
5581 475680.68, 3849116.62	9.12E-02	2.88E-05	1.22E-05	9.30E-02	2.94E-05	1.25E-05	9.29E-02	2.93E-05	1.24E-05
5582 475843.76, 3849151.52	1.09E-01	3.44E-05	1.46E-05	1.11E-01	3.51E-05	1.49E-05	1.11E-01	3.51E-05	1.49E-05
5583 475935.73, 3849165.89	1.05E-01	3.30E-05	1.40E-05	1.07E-01	3.37E-05	1.43E-05	1.07E-01	3.36E-05	1.43E-05
5584 476027.71, 3849180.27	1.06E-01	3.34E-05	1.42E-05	1.08E-01	3.41E-05	1.45E-05	1.08E-01	3.41E-05	1.45E-05
5585 476119.68, 3849194.64	1.19E-01	3.77E-05	1.60E-05	1.22E-01	3.85E-05	1.63E-05	1.22E-01	3.84E-05	1.63E-05
5586 476211.65, 3849209.01	1.24E-01	3.92E-05	1.66E-05	1.27E-01	4.00E-05	1.70E-05	1.27E-01	4.00E-05	1.70E-05
5587 476497.81, 3849283.9	1.16E-01	3.65E-05	1.55E-05	1.18E-01	3.73E-05	1.58E-05	1.18E-01	3.72E-05	1.58E-05
5588 476603.73, 3849323.77	1.24E-01	3.90E-05	1.66E-05	1.26E-01	3.98E-05	1.69E-05	1.26E-01	3.98E-05	1.69E-05
5589 476728.99, 3849382.76	9.63E-02	3.04E-05	1.29E-05	9.83E-02	3.10E-05	1.32E-05	9.81E-02	3.10E-05	1.31E-05
5590 476801.27, 3849418.65	1.01E-01	3.19E-05	1.35E-05	1.03E-01	3.26E-05	1.38E-05	1.03E-01	3.25E-05	1.38E-05
5591 476956.2, 3849495.05	1.10E-01	3.47E-05	1.47E-05	1.12E-01	3.54E-05	1.50E-05	1.12E-01	3.53E-05	1.50E-05
5592 477038.84, 3849535.56	1.03E-01	3.25E-05	1.38E-05	1.05E-01	3.32E-05	1.41E-05	1.05E-01	3.32E-05	1.41E-05
5593 477121.49, 3849576.08	1.01E-01	3.19E-05	1.35E-05	1.03E-01	3.26E-05	1.38E-05	1.03E-01	3.25E-05	1.38E-05
5594 477204.13, 3849616.6	9.85E-02	3.11E-05	1.32E-05	1.00E-01	3.17E-05	1.35E-05	1.00E-01	3.17E-05	1.34E-05
5595 477286.78, 3849657.12	9.20E-02	2.90E-05	1.23E-05	9.38E-02	2.96E-05	1.26E-05	9.37E-02	2.96E-05	1.26E-05
5596 477369.42, 3849697.63	8.94E-02	2.82E-05	1.20E-05	9.12E-02	2.88E-05	1.22E-05	9.11E-02	2.87E-05	1.22E-05
5597 477452.07, 3849738.15	9.10E-02	2.87E-05	1.22E-05	9.28E-02	2.93E-05	1.24E-05	9.27E-02	2.93E-05	1.24E-05
5598 477534.71, 3849778.67	8.71E-02	2.75E-05	1.17E-05	8.89E-02	2.81E-05	1.19E-05	8.88E-02	2.80E-05	1.19E-05
5599 477617.36, 3849819.18	8.67E-02	2.74E-05	1.16E-05	8.84E-02	2.79E-05	1.18E-05	8.83E-02	2.79E-05	1.18E-05
5600 477824.74, 3849896.37	1.09E-01	3.44E-05	1.46E-05	1.11E-01	3.51E-05	1.49E-05	1.11E-01	3.51E-05	1.49E-05
5601 477906.31, 3849936.37	1.17E-01	3.69E-05	1.56E-05	1.19E-01	3.76E-05	1.60E-05	1.19E-01	3.76E-05	1.59E-05
5602 477987.89, 3849976.36	1.14E-01	3.58E-05	1.52E-05	1.16E-01	3.66E-05	1.55E-05	1.16E-01	3.65E-05	1.55E-05
5603 478069.47, 3850016.36	1.18E-01	3.73E-05	1.58E-05	1.20E-01	3.80E-05	1.61E-05	1.20E-01	3.80E-05	1.61E-05
5604 478151.04, 3850056.35	1.06E-01	3.33E-05	1.41E-05	1.08E-01	3.40E-05	1.44E-05	1.08E-01	3.39E-05	1.44E-05
5605 478232.62, 3850096.35	1.06E-01	3.35E-05	1.42E-05	1.08E-01	3.41E-05	1.45E-05	1.08E-01	3.41E-05	1.45E-05
5606 478314.2, 3850136.34	1.06E-01	3.34E-05	1.42E-05	1.08E-01	3.41E-05	1.44E-05	1.08E-01	3.40E-05	1.44E-05
5607 478395.77, 3850176.34	1.05E-01	3.32E-05	1.41E-05	1.07E-01	3.38E-05	1.44E-05	1.07E-01	3.38E-05	1.43E-05
5608 478575.43, 3850244.45	9.63E-02	3.04E-05	1.29E-05	9.83E-02	3.10E-05	1.32E-05	9.81E-02	3.10E-05	1.31E-05
5609 478665.06, 3850287.29	9.56E-02	3.02E-05	1.28E-05	9.76E-02	3.08E-05	1.31E-05	9.75E-02	3.08E-05	1.31E-05
5610 478754.69, 3850330.14	9.47E-02	2.99E-05	1.27E-05	9.66E-02	3.05E-05	1.29E-05	9.65E-02	3.05E-05	1.29E-05
5611 478844.32, 3850372.99	9.25E-02	2.92E-05	1.24E-05	9.44E-02	2.98E-05	1.26E-05	9.43E-02	2.98E-05	1.26E-05
5612 478933.95, 3850415.84	8.95E-02	2.82E-05	1.20E-05	9.13E-02	2.88E-05	1.22E-05	9.12E-02	2.88E-05	1.22E-05
5613 479023.58, 3850458.68	9.27E-02	2.93E-05	1.24E-05	9.46E-02	2.99E-05	1.27E-05	9.45E-02	2.98E-05	1.27E-05
5614 479110.66, 3850441.91	5.87E-02	1.85E-05	7.86E-06	5.99E-02	1.89E-05	8.02E-06	5.98E-02	1.89E-05	8.01E-06
5615 479191.22, 3850423.99	4.47E-02	1.41E-05	5.99E-06	4.56E-02	1.44E-05	6.11E-06	4.56E-02	1.44E-05	6.10E-06
5616 479274.32, 3850465.71	4.54E-02	1.43E-05	6.08E-06	4.64E-02	1.46E-05	6.21E-06	4.63E-02	1.46E-05	6.20E-06
5617 479357.43, 3850507.42	4.64E-02	1.46E-05	6.21E-06	4.73E-02	1.49E-05	6.34E-06	4.73E-02	1.49E-05	6.33E-06
5618 479440.53, 3850549.14	4.66E-02	1.47E-05	6.24E-06	4.76E-02	1.50E-05	6.37E-06	4.75E-02	1.50E-05	6.36E-06
5619 479523.64, 3850590.85	4.67E-02	1.47E-05	6.26E-06	4.77E-02	1.50E-05	6.39E-06	4.76E-02	1.50E-05	6.38E-06
5620 479606.74, 3850632.57	4.71E-02	1.49E-05	6.30E-06	4.80E-02	1.52E-05	6.43E-06	4.80E-02	1.51E-05	6.43E-06
5621 479777.37, 3850707.61	4.53E-02	1.43E-05	6.07E-06	4.63E-02	1.46E-05	6.19E-06	4.62E-02	1.46E-05	6.19E-06
5622 479864.9, 3850740.95	4.38E-02	1.38E-05	5.86E-06	4.47E-02	1.41E-05	5.98E-06	4.46E-02	1.41E-05	5.97E-06
5623 479931.87, 3850829.57	5.72E-02	1.80E-05	7.66E-06	5.83E-02	1.84E-05	7.81E-06	5.83E-02	1.84E-05	7.80E-06
5624 479995.55, 3850926.75	9.13E-02	2.88E-05	1.22E-05	9.32E-02	2.94E-05	1.25E-05	9.30E-02	2.94E-05	1.25E-05
5625 480079.78, 3850968.64	9.11E-02	2.88E-05	1.22E-05	9.30E-02	2.93E-05	1.25E-05	9.29E-02	2.93E-05	1.24E-05
5626 480164.01, 3851010.54	9.07E-02	2.86E-05	1.21E-05	9.26E-02	2.92E-05	1.24E-05	9.25E-02	2.92E-05	1.24E-05
5627 480248.23, 3851052.43	8.98E-02	2.83E-05	1.20E-05	9.16E-02	2.89E-05	1.23E-05	9.15E-02	2.89E-05	1.23E-05
5628 480332.46, 3851094.33	9.09E-02	2.87E-05	1.22E-05	9.27E-02	2.93E-05	1.24E-05	9.26E-02	2.92E-05	1.24E-05
5629 480416.69, 3851136.22	9.55E-02	3.02E-05	1.28E-05	9.75E-02	3.08E-05	1.31E-05	9.74E-02	3.07E-05	1.30E-05
5630 480579.95, 3851215.17	9.76E-02	3.08E-05	1.31E-05	9.95E-02	3.14E-05	1.33E-05	9.94E-02	3.14E-05	1.33E-05
5631 480658.98, 3851252.22	9.66E-02	3.05E-05	1.29E-05	9.85E-02	3.11E-05	1.32E-05	9.84E-02	3.11E-05	1.32E-05
5632 480817.36, 3851327.85	9.54E-02	3.01E-05	1.28E-05	9.74E-02	3.07E-05	1.30E-05	9.73E-02	3.07E-05	1.30E-05
5633 480896.72, 3851366.43	9.59E-02	3.03E-05	1.28E-05	9.79E-02	3.09E-05	1.31E-05	9.78E-02	3.09E-05	1.31E-05
5634 480976.07, 3851405	9.57E-02	3.02E-05	1.28E-05	9.77E-02	3.08E-05	1.31E-05	9.76E-02	3.08E-05	1.31E-05
5635 481178, 3851487.31	7.20E-02	2.27E-05	9.64E-06	7.34E-02	2.32E-05	9.83E-06	7.33E-02	2.31E-05	9.82E-06
5636 481244.9, 3851557.17	7.96E-02	2.51E-05	1.07E-05	8.13E-02	2.56E-05	1.09E-05	8.12E-02	2.56E-05	1.09E-05
5637 481311.81, 3851627.03	8.82E-02	2.78E-05	1.18E-05	9.00E-02	2.84E-05	1.21E-05	8.99E-02	2.84E-05	1.20E-05
5638 481378.71, 3851696.89	8.99E-02	2.84E-05	1.20E-05	9.18E-02	2.90E-05	1.23E-05	9.16E-02	2.89E-05	1.23E-05

5639	481445.61, 3851766.76	9.40E-02	2.97E-05	1.26E-05	9.59E-02	3.03E-05	1.28E-05	9.58E-02	3.02E-05	1.28E-05
5640	481512.51, 3851836.62	9.45E-02	2.98E-05	1.27E-05	9.64E-02	3.04E-05	1.29E-05	9.63E-02	3.04E-05	1.29E-05
5641	481579.42, 3851906.48	9.35E-02	2.95E-05	1.25E-05	9.54E-02	3.01E-05	1.28E-05	9.53E-02	3.01E-05	1.28E-05
5642	481646.32, 3851976.34	9.34E-02	2.95E-05	1.25E-05	9.53E-02	3.01E-05	1.28E-05	9.52E-02	3.01E-05	1.28E-05
5643	481713.22, 3852046.2	9.27E-02	2.93E-05	1.24E-05	9.46E-02	2.99E-05	1.27E-05	9.45E-02	2.98E-05	1.27E-05
5644	481780.12, 3852116.06	9.31E-02	2.94E-05	1.25E-05	9.50E-02	3.00E-05	1.27E-05	9.49E-02	2.99E-05	1.27E-05
5645	481847.03, 3852185.92	9.31E-02	2.94E-05	1.25E-05	9.50E-02	3.00E-05	1.27E-05	9.49E-02	3.00E-05	1.27E-05
5646	481913.93, 3852255.78	9.25E-02	2.92E-05	1.24E-05	9.44E-02	2.98E-05	1.26E-05	9.43E-02	2.98E-05	1.26E-05
5647	481980.83, 3852325.65	8.78E-02	2.77E-05	1.18E-05	8.96E-02	2.83E-05	1.20E-05	8.95E-02	2.82E-05	1.20E-05
5648	482047.73, 3852395.51	8.95E-02	2.82E-05	1.20E-05	9.13E-02	2.88E-05	1.22E-05	9.12E-02	2.88E-05	1.22E-05
5649	482114.64, 3852465.37	8.61E-02	2.72E-05	1.15E-05	8.79E-02	2.77E-05	1.18E-05	8.78E-02	2.77E-05	1.18E-05
5650	482181.54, 3852535.23	8.92E-02	2.82E-05	1.19E-05	9.10E-02	2.87E-05	1.22E-05	9.09E-02	2.87E-05	1.22E-05
5651	482338.69, 3852700.05	9.07E-02	2.86E-05	1.21E-05	9.26E-02	2.92E-05	1.24E-05	9.25E-02	2.92E-05	1.24E-05
5652	482404.05, 3852767.78	9.02E-02	2.85E-05	1.21E-05	9.20E-02	2.90E-05	1.23E-05	9.19E-02	2.90E-05	1.23E-05
5653	482469.4, 3852835.52	9.12E-02	2.88E-05	1.22E-05	9.31E-02	2.94E-05	1.25E-05	9.29E-02	2.93E-05	1.24E-05
5654	482534.75, 3852903.25	9.05E-02	2.86E-05	1.21E-05	9.23E-02	2.91E-05	1.24E-05	9.22E-02	2.91E-05	1.24E-05
5655	482600.11, 3852970.99	8.41E-02	2.65E-05	1.13E-05	8.58E-02	2.71E-05	1.15E-05	8.57E-02	2.71E-05	1.15E-05
5656	482706.71, 3853119.28	7.85E-02	2.48E-05	1.05E-05	8.02E-02	2.53E-05	1.07E-05	8.01E-02	2.53E-05	1.07E-05
5657	482747.96, 3853199.84	7.95E-02	2.51E-05	1.06E-05	8.11E-02	2.56E-05	1.09E-05	8.10E-02	2.56E-05	1.09E-05
5658	482789.21, 3853280.4	7.36E-02	2.32E-05	9.85E-06	7.51E-02	2.37E-05	1.01E-05	7.50E-02	2.37E-05	1.00E-05
5659	482830.46, 3853360.96	6.63E-02	2.09E-05	8.88E-06	6.77E-02	2.14E-05	9.06E-06	6.76E-02	2.13E-05	9.05E-06
5660	482871.71, 3853441.52	5.54E-02	1.75E-05	7.42E-06	5.65E-02	1.78E-05	7.57E-06	5.64E-02	1.78E-05	7.56E-06
5661	482912.95, 3853522.07	1.54E-02	4.86E-06	2.06E-06	1.57E-02	4.96E-06	2.10E-06	1.57E-02	4.95E-06	2.10E-06
5662	482954.2, 3853602.63	7.93E-03	2.50E-06	1.06E-06	8.09E-03	2.55E-06	1.08E-06	8.08E-03	2.55E-06	1.08E-06
5663	482995.45, 3853683.19	5.71E-03	1.80E-06	7.64E-07	5.82E-03	1.84E-06	7.80E-07	5.82E-03	1.84E-06	7.79E-07
5664	483036.7, 3853763.75	4.56E-03	1.44E-06	6.11E-07	4.65E-03	1.47E-06	6.23E-07	4.65E-03	1.47E-06	6.22E-07
5665	483214.2, 3853909.91	3.31E-03	1.04E-06	4.43E-07	3.37E-03	1.06E-06	4.52E-07	3.37E-03	1.06E-06	4.51E-07
5666	483307.01, 3853910.44	3.35E-03	1.06E-06	4.49E-07	3.42E-03	1.08E-06	4.58E-07	3.42E-03	1.08E-06	4.57E-07
5667	483399.83, 3853910.96	3.34E-03	1.05E-06	4.47E-07	3.41E-03	1.08E-06	4.56E-07	3.40E-03	1.07E-06	4.56E-07
5668	483494.52, 3854009.24	2.93E-03	9.26E-07	3.93E-07	2.99E-03	9.45E-07	4.01E-07	2.99E-03	9.44E-07	4.01E-07
5669	483496.41, 3854106.98	2.63E-03	8.29E-07	3.52E-07	2.68E-03	8.46E-07	3.59E-07	2.68E-03	8.45E-07	3.59E-07
5670	483577.56, 3854261.96	2.19E-03	6.90E-07	2.93E-07	2.23E-03	7.04E-07	2.99E-07	2.23E-03	7.03E-07	2.98E-07
5671	483656.83, 3854319.19	2.04E-03	6.43E-07	2.73E-07	2.08E-03	6.56E-07	2.78E-07	2.08E-03	6.55E-07	2.78E-07
5672	483736.1, 3854376.41	1.90E-03	5.99E-07	2.54E-07	1.94E-03	6.11E-07	2.59E-07	1.93E-03	6.10E-07	2.59E-07
5673	483815.37, 3854433.64	1.77E-03	5.59E-07	2.37E-07	1.81E-03	5.70E-07	2.42E-07	1.80E-03	5.69E-07	2.42E-07
5674	483894.63, 3854490.87	1.65E-03	5.20E-07	2.21E-07	1.68E-03	5.31E-07	2.25E-07	1.68E-03	5.30E-07	2.25E-07
5675	483973.9, 3854548.1	1.54E-03	4.86E-07	2.06E-07	1.57E-03	4.96E-07	2.10E-07	1.57E-03	4.95E-07	2.10E-07
5676	484053.17, 3854605.32	1.46E-03	4.61E-07	1.96E-07	1.49E-03	4.71E-07	2.00E-07	1.49E-03	4.70E-07	1.99E-07
5677	484214.97, 3854698.15	1.37E-03	4.33E-07	1.84E-07	1.40E-03	4.42E-07	1.88E-07	1.40E-03	4.42E-07	1.87E-07
5678	484297.5, 3854733.74	1.38E-03	4.35E-07	1.84E-07	1.41E-03	4.44E-07	1.88E-07	1.40E-03	4.43E-07	1.88E-07
5679	484380.03, 3854769.34	1.36E-03	4.28E-07	1.82E-07	1.38E-03	4.37E-07	1.85E-07	1.38E-03	4.36E-07	1.85E-07
5680	484462.56, 3854804.94	1.36E-03	4.28E-07	1.82E-07	1.38E-03	4.37E-07	1.85E-07	1.38E-03	4.36E-07	1.85E-07
5681	484545.09, 3854840.53	1.33E-03	4.20E-07	1.78E-07	1.36E-03	4.28E-07	1.82E-07	1.36E-03	4.28E-07	1.82E-07
5682	484691.88, 3854912.59	1.33E-03	4.19E-07	1.78E-07	1.36E-03	4.28E-07	1.81E-07	1.35E-03	4.27E-07	1.81E-07
5683	484830.81, 3855012.51	1.30E-03	4.10E-07	1.74E-07	1.33E-03	4.19E-07	1.78E-07	1.32E-03	4.18E-07	1.77E-07
5684	484905.48, 3855075.97	1.29E-03	4.08E-07	1.73E-07	1.32E-03	4.16E-07	1.76E-07	1.32E-03	4.15E-07	1.76E-07
5685	484980.14, 3855139.44	1.27E-03	4.01E-07	1.70E-07	1.30E-03	4.09E-07	1.74E-07	1.30E-03	4.09E-07	1.73E-07
5686	485054.81, 3855202.91	1.24E-03	3.92E-07	1.66E-07	1.27E-03	4.00E-07	1.70E-07	1.27E-03	4.00E-07	1.70E-07
5687	485129.48, 3855266.37	1.21E-03	3.80E-07	1.61E-07	1.23E-03	3.88E-07	1.65E-07	1.23E-03	3.88E-07	1.64E-07
5688	485204.15, 3855329.84	1.19E-03	3.75E-07	1.59E-07	1.21E-03	3.83E-07	1.62E-07	1.21E-03	3.82E-07	1.62E-07
5689	485278.82, 3855393.31	1.16E-03	3.67E-07	1.56E-07	1.19E-03	3.74E-07	1.59E-07	1.18E-03	3.74E-07	1.59E-07
5690	485353.48, 3855456.77	1.14E-03	3.60E-07	1.53E-07	1.17E-03	3.68E-07	1.56E-07	1.16E-03	3.67E-07	1.56E-07
5691	485428.15, 3855520.24	1.12E-03	3.53E-07	1.50E-07	1.14E-03	3.60E-07	1.53E-07	1.14E-03	3.60E-07	1.53E-07
5692	485502.82, 3855583.71	1.10E-03	3.46E-07	1.47E-07	1.12E-03	3.53E-07	1.50E-07	1.12E-03	3.53E-07	1.50E-07
5693	485577.49, 3855647.17	1.08E-03	3.41E-07	1.45E-07	1.10E-03	3.48E-07	1.48E-07	1.10E-03	3.48E-07	1.48E-07
5694	485652.16, 3855710.64	1.07E-03	3.37E-07	1.43E-07	1.09E-03	3.44E-07	1.46E-07	1.09E-03	3.43E-07	1.46E-07
5695	485726.83, 3855774.11	1.05E-03	3.31E-07	1.40E-07	1.07E-03	3.38E-07	1.43E-07	1.07E-03	3.37E-07	1.43E-07
5696	485801.49, 3855837.57	1.03E-03	3.25E-07	1.38E-07	1.05E-03	3.32E-07	1.41E-07	1.05E-03	3.31E-07	1.41E-07
5697	485876.16, 3855901.04	1.01E-03	3.20E-07	1.36E-07	1.03E-03	3.27E-07	1.39E-07	1.03E-03	3.26E-07	1.38E-07
5698	485950.83, 3855964.5	9.98E-04	3.15E-07	1.34E-07	1.02E-03	3.21E-07	1.36E-07	1.02E-03	3.21E-07	1.36E-07
5699	486025.5, 3856027.97	9.80E-04	3.09E-07	1.31E-07	1.00E-03	3.16E-07	1.34E-07	9.99E-04	3.15E-07	1.34E-07
5700	486100.17, 3856091.44	9.74E-04	3.07E-07	1.30E-07	9.93E-04	3.14E-07	1.33E-07	9.92E-04	3.13E-07	1.33E-07

5701	486174.83, 3856154.9	9.57E-04	3.02E-07	1.28E-07	9.76E-04	3.08E-07	1.31E-07	9.75E-04	3.08E-07	1.31E-07
5702	486249.5, 3856218.37	9.33E-04	2.94E-07	1.25E-07	9.52E-04	3.00E-07	1.27E-07	9.51E-04	3.00E-07	1.27E-07
5703	486324.17, 3856281.84	9.11E-04	2.87E-07	1.22E-07	9.29E-04	2.93E-07	1.24E-07	9.28E-04	2.93E-07	1.24E-07
5704	486398.84, 3856345.3	9.04E-04	2.85E-07	1.21E-07	9.23E-04	2.91E-07	1.24E-07	9.22E-04	2.91E-07	1.23E-07
5705	486473.51, 3856408.77	8.95E-04	2.82E-07	1.20E-07	9.13E-04	2.88E-07	1.22E-07	9.12E-04	2.88E-07	1.22E-07
5706	486548.17, 3856472.24	8.91E-04	2.81E-07	1.19E-07	9.10E-04	2.87E-07	1.22E-07	9.08E-04	2.87E-07	1.22E-07
5707	486622.84, 3856535.7	8.89E-04	2.81E-07	1.19E-07	9.07E-04	2.86E-07	1.21E-07	9.06E-04	2.86E-07	1.21E-07
5708	486765.48, 3856659.69	8.92E-04	2.81E-07	1.19E-07	9.10E-04	2.87E-07	1.22E-07	9.09E-04	2.87E-07	1.22E-07
5709	486833.44, 3856720.2	8.93E-04	2.82E-07	1.20E-07	9.11E-04	2.87E-07	1.22E-07	9.10E-04	2.87E-07	1.22E-07
5710	486901.41, 3856780.72	8.96E-04	2.83E-07	1.20E-07	9.15E-04	2.89E-07	1.22E-07	9.14E-04	2.88E-07	1.22E-07
5711	486969.38, 3856841.24	9.00E-04	2.84E-07	1.21E-07	9.18E-04	2.90E-07	1.23E-07	9.17E-04	2.89E-07	1.23E-07
5712	487037.34, 3856901.75	9.05E-04	2.86E-07	1.21E-07	9.23E-04	2.91E-07	1.24E-07	9.22E-04	2.91E-07	1.23E-07
5713	487271.23, 3856855.51	9.06E-04	2.86E-07	1.21E-07	9.24E-04	2.92E-07	1.24E-07	9.23E-04	2.91E-07	1.24E-07
5714	487368.96, 3856857.29	9.03E-04	2.85E-07	1.21E-07	9.22E-04	2.91E-07	1.23E-07	9.20E-04	2.91E-07	1.23E-07
5715	487466.68, 3856859.06	9.03E-04	2.85E-07	1.21E-07	9.22E-04	2.91E-07	1.23E-07	9.20E-04	2.91E-07	1.23E-07
5716	487636.44, 3856930	9.10E-04	2.87E-07	1.22E-07	9.29E-04	2.93E-07	1.24E-07	9.28E-04	2.93E-07	1.24E-07
5717	487709.57, 3856928.43	9.14E-04	2.88E-07	1.22E-07	9.33E-04	2.94E-07	1.25E-07	9.32E-04	2.94E-07	1.25E-07
5718	487782.55, 3856841.96	9.11E-04	2.87E-07	1.22E-07	9.29E-04	2.93E-07	1.24E-07	9.28E-04	2.93E-07	1.24E-07
5719	487849.83, 3856754.74	9.08E-04	2.87E-07	1.22E-07	9.27E-04	2.93E-07	1.24E-07	9.26E-04	2.92E-07	1.24E-07
5720	487918.03, 3856819.39	9.17E-04	2.89E-07	1.23E-07	9.35E-04	2.95E-07	1.25E-07	9.34E-04	2.95E-07	1.25E-07
5721	487918.8, 3856886.37	9.24E-04	2.92E-07	1.24E-07	9.43E-04	2.98E-07	1.26E-07	9.42E-04	2.97E-07	1.26E-07
5722	488065.47, 3857127.51	9.53E-04	3.01E-07	1.28E-07	9.72E-04	3.07E-07	1.30E-07	9.71E-04	3.07E-07	1.30E-07
5723	488192.19, 3857385.84	1.02E-03	3.23E-07	1.37E-07	1.04E-03	3.29E-07	1.40E-07	1.04E-03	3.29E-07	1.40E-07
5724	488191.22, 3857473.87	1.06E-03	3.33E-07	1.41E-07	1.08E-03	3.40E-07	1.44E-07	1.08E-03	3.40E-07	1.44E-07
5725	488190.24, 3857561.91	1.09E-03	3.45E-07	1.47E-07	1.12E-03	3.52E-07	1.50E-07	1.12E-03	3.52E-07	1.49E-07
5726	488158.35, 3857691.13	1.16E-03	3.65E-07	1.55E-07	1.18E-03	3.72E-07	1.58E-07	1.18E-03	3.72E-07	1.58E-07
5727	488208.37, 3857816.66	1.24E-03	3.91E-07	1.66E-07	1.26E-03	3.99E-07	1.69E-07	1.26E-03	3.98E-07	1.69E-07
5728	488271.97, 3857874.6	1.29E-03	4.07E-07	1.73E-07	1.31E-03	4.15E-07	1.76E-07	1.31E-03	4.14E-07	1.76E-07
5729	488463.56, 3857942.31	1.39E-03	4.39E-07	1.86E-07	1.42E-03	4.48E-07	1.90E-07	1.42E-03	4.48E-07	1.90E-07
5730	488554.83, 3857940.83	1.40E-03	4.41E-07	1.87E-07	1.43E-03	4.50E-07	1.91E-07	1.43E-03	4.50E-07	1.91E-07
5731	488646.1, 3857939.36	1.41E-03	4.44E-07	1.88E-07	1.43E-03	4.53E-07	1.92E-07	1.43E-03	4.52E-07	1.92E-07
5732	488737.37, 3857937.88	1.42E-03	4.47E-07	1.90E-07	1.44E-03	4.56E-07	1.93E-07	1.44E-03	4.55E-07	1.93E-07
5733	488733.59, 3857960.57	1.44E-03	4.54E-07	1.92E-07	1.47E-03	4.63E-07	1.96E-07	1.46E-03	4.62E-07	1.96E-07
5734	488638.09, 3857961.57	1.43E-03	4.50E-07	1.91E-07	1.46E-03	4.60E-07	1.95E-07	1.45E-03	4.59E-07	1.95E-07
5735	488542.6, 3857962.56	1.42E-03	4.49E-07	1.90E-07	1.45E-03	4.58E-07	1.94E-07	1.45E-03	4.58E-07	1.94E-07
5736	488447.1, 3857963.56	1.41E-03	4.46E-07	1.89E-07	1.44E-03	4.55E-07	1.93E-07	1.44E-03	4.54E-07	1.93E-07
5737	488254.28, 3857890.36	1.30E-03	4.10E-07	1.74E-07	1.33E-03	4.19E-07	1.78E-07	1.33E-03	4.18E-07	1.77E-07
5738	488191.69, 3857833.06	1.25E-03	3.93E-07	1.67E-07	1.27E-03	4.01E-07	1.70E-07	1.27E-03	4.01E-07	1.70E-07
5739	488129.5, 3857907.43	1.29E-03	4.07E-07	1.73E-07	1.32E-03	4.16E-07	1.76E-07	1.32E-03	4.15E-07	1.76E-07
5740	488196.47, 3857968.74	1.36E-03	4.28E-07	1.82E-07	1.38E-03	4.37E-07	1.85E-07	1.38E-03	4.36E-07	1.85E-07
5741	488263.44, 3858030.04	1.43E-03	4.52E-07	1.92E-07	1.46E-03	4.61E-07	1.96E-07	1.46E-03	4.60E-07	1.95E-07
5742	488400.64, 3858132.9	1.60E-03	5.04E-07	2.14E-07	1.63E-03	5.15E-07	2.18E-07	1.63E-03	5.14E-07	2.18E-07
5743	488519.89, 3858218.38	1.80E-03	5.67E-07	2.40E-07	1.83E-03	5.78E-07	2.45E-07	1.83E-03	5.77E-07	2.45E-07
5744	488647.97, 3858214.99	1.80E-03	5.68E-07	2.41E-07	1.84E-03	5.80E-07	2.46E-07	1.84E-03	5.79E-07	2.46E-07
5745	488727.05, 3858167.67	1.72E-03	5.43E-07	2.31E-07	1.76E-03	5.55E-07	2.35E-07	1.76E-03	5.54E-07	2.35E-07
5746	488806.12, 3858120.35	1.65E-03	5.21E-07	2.21E-07	1.69E-03	5.32E-07	2.26E-07	1.68E-03	5.31E-07	2.25E-07
5747	488885.2, 3858073.03	1.58E-03	5.00E-07	2.12E-07	1.62E-03	5.10E-07	2.16E-07	1.61E-03	5.09E-07	2.16E-07
5748	489055.76, 3857991.18	1.46E-03	4.62E-07	1.96E-07	1.49E-03	4.72E-07	2.00E-07	1.49E-03	4.71E-07	2.00E-07
5749	489245.39, 3857944.55	1.34E-03	4.24E-07	1.80E-07	1.37E-03	4.32E-07	1.83E-07	1.37E-03	4.32E-07	1.83E-07
5750	489430.63, 3857930.91	1.28E-03	4.03E-07	1.71E-07	1.30E-03	4.11E-07	1.74E-07	1.30E-03	4.11E-07	1.74E-07
5751	489517.74, 3857929.36	1.25E-03	3.95E-07	1.68E-07	1.28E-03	4.03E-07	1.71E-07	1.28E-03	4.02E-07	1.71E-07
5752	489604.86, 3857927.82	1.23E-03	3.88E-07	1.64E-07	1.25E-03	3.96E-07	1.68E-07	1.25E-03	3.95E-07	1.68E-07
5753	489691.97, 3857926.28	1.22E-03	3.84E-07	1.63E-07	1.24E-03	3.92E-07	1.66E-07	1.24E-03	3.91E-07	1.66E-07
5754	489779.08, 3857924.73	1.20E-03	3.80E-07	1.61E-07	1.23E-03	3.88E-07	1.65E-07	1.23E-03	3.87E-07	1.64E-07
5755	490017.55, 3857875.09	1.13E-03	3.58E-07	1.52E-07	1.16E-03	3.65E-07	1.55E-07	1.15E-03	3.64E-07	1.55E-07
5756	490033.82, 3857960.81	1.22E-03	3.85E-07	1.63E-07	1.24E-03	3.93E-07	1.67E-07	1.24E-03	3.92E-07	1.66E-07
5757	489959.15, 3857987.49	1.27E-03	3.99E-07	1.69E-07	1.29E-03	4.07E-07	1.73E-07	1.29E-03	4.07E-07	1.73E-07
5758	489791.49, 3858016.12	1.29E-03	4.09E-07	1.73E-07	1.32E-03	4.17E-07	1.77E-07	1.32E-03	4.16E-07	1.77E-07
5759	489698.51, 3858018.07	1.31E-03	4.14E-07	1.76E-07	1.34E-03	4.23E-07	1.79E-07	1.34E-03	4.22E-07	1.79E-07
5760	489605.52, 3858020.02	1.33E-03	4.21E-07	1.79E-07	1.36E-03	4.30E-07	1.82E-07	1.36E-03	4.29E-07	1.82E-07
5761	489512.53, 3858021.96	1.36E-03	4.29E-07	1.82E-07	1.39E-03	4.38E-07	1.86E-07	1.39E-03	4.37E-07	1.86E-07
5762	489419.55, 3858023.91	1.39E-03	4.40E-07	1.87E-07	1.42E-03	4.49E-07	1.91E-07	1.42E-03	4.49E-07	1.90E-07

5763	489228.47, 3858041.29	1.45E-03	4.58E-07	1.94E-07	1.48E-03	4.67E-07	1.98E-07	1.48E-03	4.66E-07	1.98E-07
5764	489065.75, 3858085.78	1.58E-03	4.97E-07	2.11E-07	1.61E-03	5.07E-07	2.15E-07	1.61E-03	5.07E-07	2.15E-07
5765	489001.12, 3858114.86	1.63E-03	5.16E-07	2.19E-07	1.67E-03	5.26E-07	2.23E-07	1.67E-03	5.26E-07	2.23E-07
5766	488861.89, 3858189.81	1.76E-03	5.57E-07	2.36E-07	1.80E-03	5.68E-07	2.41E-07	1.80E-03	5.68E-07	2.41E-07
5767	488787.29, 3858235.69	1.86E-03	5.87E-07	2.49E-07	1.90E-03	5.99E-07	2.54E-07	1.89E-03	5.98E-07	2.54E-07
5768	488712.68, 3858281.57	1.95E-03	6.15E-07	2.61E-07	1.99E-03	6.27E-07	2.66E-07	1.99E-03	6.27E-07	2.66E-07
5769	488654.39, 3858436.17	2.41E-03	7.60E-07	3.22E-07	2.46E-03	7.75E-07	3.29E-07	2.45E-03	7.74E-07	3.29E-07
5770	488726.31, 3858505.26	2.74E-03	8.65E-07	3.67E-07	2.80E-03	8.83E-07	3.74E-07	2.79E-03	8.82E-07	3.74E-07
5771	488880.6, 3858599.28	3.45E-03	1.09E-06	4.62E-07	3.52E-03	1.11E-06	4.72E-07	3.52E-03	1.11E-06	4.71E-07
5772	489008.06, 3858714.75	5.06E-03	1.60E-06	6.78E-07	5.16E-03	1.63E-06	6.92E-07	5.16E-03	1.63E-06	6.91E-07
5773	489071.48, 3858772.72	7.34E-03	2.32E-06	9.82E-07	7.49E-03	2.36E-06	1.00E-06	7.48E-03	2.36E-06	1.00E-06
5774	489244.6, 3858920.2	2.42E-02	7.63E-06	3.24E-06	2.47E-02	7.79E-06	3.30E-06	2.47E-02	7.78E-06	3.30E-06
5775	489239.69, 3858952.23	3.07E-02	9.70E-06	4.11E-06	3.13E-02	9.89E-06	4.20E-06	3.13E-02	9.88E-06	4.19E-06
5776	489121.67, 3858854.49	1.68E-02	5.29E-06	2.24E-06	1.71E-02	5.39E-06	2.29E-06	1.71E-02	5.39E-06	2.29E-06
5777	489059.59, 3858797.27	9.00E-03	2.84E-06	1.21E-06	9.19E-03	2.90E-06	1.23E-06	9.18E-03	2.90E-06	1.23E-06
5778	488997.52, 3858740.04	5.69E-03	1.80E-06	7.62E-07	5.81E-03	1.83E-06	7.78E-07	5.80E-03	1.83E-06	7.77E-07
5779	488935.44, 3858682.82	4.44E-03	1.40E-06	5.94E-07	4.53E-03	1.43E-06	6.06E-07	4.52E-03	1.43E-06	6.06E-07
5780	488869.17, 3858848.43	1.35E-02	4.27E-06	1.81E-06	1.38E-02	4.36E-06	1.85E-06	1.38E-02	4.35E-06	1.85E-06
5781	488932.48, 3858892.69	4.67E-02	1.47E-05	6.25E-06	4.76E-02	1.50E-05	6.38E-06	4.76E-02	1.50E-05	6.37E-06
5782	489063.27, 3858977.17	7.95E-02	2.51E-05	1.06E-05	8.11E-02	2.56E-05	1.09E-05	8.10E-02	2.56E-05	1.08E-05
5783	489248.2, 3859117.15	9.59E-02	3.03E-05	1.28E-05	9.79E-02	3.09E-05	1.31E-05	9.77E-02	3.09E-05	1.31E-05
5784	489296.25, 3859049.22	4.94E-02	1.56E-05	6.62E-06	5.04E-02	1.59E-05	6.75E-06	5.04E-02	1.59E-05	6.74E-06
5785	489353.38, 3858993.97	2.99E-02	9.45E-06	4.01E-06	3.06E-02	9.64E-06	4.09E-06	3.05E-02	9.63E-06	4.09E-06
5786	489537.25, 3859120.22	3.69E-02	1.17E-05	4.95E-06	3.77E-02	1.19E-05	5.05E-06	3.77E-02	1.19E-05	5.04E-06
5787	489726.98, 3859246.04	4.38E-02	1.38E-05	5.86E-06	4.47E-02	1.41E-05	5.98E-06	4.46E-02	1.41E-05	5.98E-06
5788	489911.46, 3859366.33	4.97E-02	1.57E-05	6.66E-06	5.08E-02	1.60E-05	6.80E-06	5.07E-02	1.60E-05	6.79E-06
5789	490035.3, 3859430.26	5.00E-02	1.58E-05	6.69E-06	5.10E-02	1.61E-05	6.83E-06	5.09E-02	1.61E-05	6.82E-06
5790	490101.11, 3859458.61	4.87E-02	1.54E-05	6.52E-06	4.97E-02	1.57E-05	6.66E-06	4.96E-02	1.57E-05	6.65E-06
5791	490312.68, 3859560.3	5.23E-02	1.65E-05	7.01E-06	5.34E-02	1.69E-05	7.15E-06	5.33E-02	1.68E-05	7.14E-06
5792	490401.63, 3859603.12	5.55E-02	1.75E-05	7.44E-06	5.67E-02	1.79E-05	7.59E-06	5.66E-02	1.79E-05	7.58E-06
5793	490490.57, 3859645.94	5.89E-02	1.86E-05	7.89E-06	6.01E-02	1.90E-05	8.05E-06	6.01E-02	1.90E-05	8.04E-06
5794	490579.51, 3859688.76	6.23E-02	1.97E-05	8.34E-06	6.36E-02	2.01E-05	8.51E-06	6.35E-02	2.00E-05	8.50E-06
5795	490668.45, 3859731.58	6.42E-02	2.03E-05	8.60E-06	6.55E-02	2.07E-05	8.77E-06	6.54E-02	2.06E-05	8.76E-06
5796	490757.4, 3859774.4	7.01E-02	2.21E-05	9.38E-06	7.15E-02	2.26E-05	9.57E-06	7.14E-02	2.25E-05	9.56E-06
5797	491003.53, 3859861.82	6.31E-02	1.99E-05	8.46E-06	6.44E-02	2.03E-05	8.63E-06	6.44E-02	2.03E-05	8.62E-06
5798	491081.41, 3859879.05	5.63E-02	1.78E-05	7.54E-06	5.75E-02	1.81E-05	7.70E-06	5.74E-02	1.81E-05	7.69E-06
5799	491229.76, 3859917.82	4.54E-02	1.43E-05	6.08E-06	4.64E-02	1.46E-05	6.21E-06	4.63E-02	1.46E-05	6.20E-06
5800	491300.22, 3859939.35	4.10E-02	1.29E-05	5.49E-06	4.18E-02	1.32E-05	5.60E-06	4.18E-02	1.32E-05	5.59E-06
5801	491350.49, 3860012.03	4.55E-02	1.44E-05	6.09E-06	4.64E-02	1.47E-05	6.22E-06	4.64E-02	1.46E-05	6.21E-06
5802	491406.82, 3860092.57	5.13E-02	1.62E-05	6.87E-06	5.23E-02	1.65E-05	7.01E-06	5.23E-02	1.65E-05	7.00E-06
5803	491483.37, 3860121.96	4.57E-02	1.44E-05	6.12E-06	4.66E-02	1.47E-05	6.24E-06	4.66E-02	1.47E-05	6.23E-06
5804	491559.91, 3860151.36	4.11E-02	1.30E-05	5.50E-06	4.19E-02	1.32E-05	5.61E-06	4.18E-02	1.32E-05	5.60E-06
5805	491711.81, 3860237.76	2.83E-02	8.94E-06	3.79E-06	2.89E-02	9.12E-06	3.87E-06	2.89E-02	9.11E-06	3.87E-06
5806	491755.2, 3860319.07	4.09E-02	1.29E-05	5.47E-06	4.17E-02	1.32E-05	5.59E-06	4.17E-02	1.31E-05	5.58E-06
5807	491704.71, 3860366.54	5.85E-02	1.85E-05	7.83E-06	5.97E-02	1.88E-05	7.99E-06	5.96E-02	1.88E-05	7.98E-06
5808	491623.43, 3860462.39	3.46E-02	1.09E-05	4.63E-06	3.53E-02	1.11E-05	4.73E-06	3.53E-02	1.11E-05	4.72E-06
5809	491534.02, 3860439.85	1.98E-02	6.25E-06	2.65E-06	2.02E-02	6.37E-06	2.70E-06	2.02E-02	6.37E-06	2.70E-06
5810	491313.95, 3860268.18	2.68E-02	8.46E-06	3.59E-06	2.73E-02	8.63E-06	3.66E-06	2.73E-02	8.62E-06	3.66E-06
5811	491187.12, 3860143.56	3.73E-02	1.18E-05	4.99E-06	3.81E-02	1.20E-05	5.10E-06	3.80E-02	1.20E-05	5.09E-06
5812	491070.43, 3860075.97	3.46E-02	1.09E-05	4.63E-06	3.53E-02	1.11E-05	4.73E-06	3.53E-02	1.11E-05	4.72E-06
5813	490995.09, 3860039.39	3.24E-02	1.02E-05	4.34E-06	3.31E-02	1.04E-05	4.43E-06	3.31E-02	1.04E-05	4.43E-06
5814	490919.75, 3860002.8	3.26E-02	1.03E-05	4.37E-06	3.33E-02	1.05E-05	4.46E-06	3.32E-02	1.05E-05	4.45E-06
5815	490756.81, 3859894.53	5.60E-02	1.77E-05	7.50E-06	5.72E-02	1.80E-05	7.65E-06	5.71E-02	1.80E-05	7.64E-06
5816	490668.07, 3859860.92	5.36E-02	1.69E-05	7.17E-06	5.47E-02	1.73E-05	7.32E-06	5.46E-02	1.72E-05	7.31E-06
5817	490579.34, 3859827.3	5.35E-02	1.69E-05	7.17E-06	5.46E-02	1.72E-05	7.31E-06	5.45E-02	1.72E-05	7.30E-06
5818	490490.6, 3859793.68	5.09E-02	1.61E-05	6.82E-06	5.20E-02	1.64E-05	6.96E-06	5.19E-02	1.64E-05	6.95E-06
5819	490401.86, 3859760.07	4.92E-02	1.55E-05	6.58E-06	5.02E-02	1.58E-05	6.72E-06	5.01E-02	1.58E-05	6.71E-06
5820	490313.12, 3859726.45	4.88E-02	1.54E-05	6.53E-06	4.98E-02	1.57E-05	6.66E-06	4.97E-02	1.57E-05	6.66E-06
5821	490224.39, 3859692.83	4.81E-02	1.52E-05	6.44E-06	4.91E-02	1.55E-05	6.57E-06	4.90E-02	1.55E-05	6.56E-06
5822	490135.65, 3859659.22	4.70E-02	1.48E-05	6.30E-06	4.80E-02	1.52E-05	6.43E-06	4.80E-02	1.51E-05	6.42E-06
5823	489918.19, 3859559.23	4.60E-02	1.45E-05	6.16E-06	4.69E-02	1.48E-05	6.28E-06	4.69E-02	1.48E-05	6.27E-06
5824	489743.61, 3859486	3.58E-02	1.13E-05	4.80E-06	3.66E-02	1.15E-05	4.89E-06	3.65E-02	1.15E-05	4.89E-06

5825	489660.32, 3859440.27	3.55E-02	1.12E-05	4.75E-06	3.62E-02	1.14E-05	4.85E-06	3.62E-02	1.14E-05	4.84E-06
5826	489577.04, 3859394.53	3.53E-02	1.11E-05	4.73E-06	3.60E-02	1.14E-05	4.82E-06	3.60E-02	1.14E-05	4.82E-06
5827	489493.75, 3859348.8	3.49E-02	1.10E-05	4.67E-06	3.56E-02	1.12E-05	4.77E-06	3.55E-02	1.12E-05	4.76E-06
5828	489321.28, 3859240.02	3.96E-02	1.25E-05	5.31E-06	4.04E-02	1.28E-05	5.41E-06	4.04E-02	1.27E-05	5.41E-06
5829	489235.41, 3859193.96	3.86E-02	1.22E-05	5.17E-06	3.94E-02	1.24E-05	5.27E-06	3.93E-02	1.24E-05	5.27E-06
5830	489149.54, 3859147.89	3.39E-02	1.07E-05	4.55E-06	3.46E-02	1.09E-05	4.64E-06	3.46E-02	1.09E-05	4.63E-06
5831	489063.68, 3859101.82	3.10E-02	9.80E-06	4.16E-06	3.17E-02	1.00E-05	4.24E-06	3.16E-02	9.98E-06	4.24E-06
5832	488977.81, 3859055.75	2.78E-02	8.78E-06	3.73E-06	2.84E-02	8.96E-06	3.80E-06	2.84E-02	8.95E-06	3.80E-06
5833	488891.94, 3859009.69	2.27E-02	7.16E-06	3.04E-06	2.32E-02	7.31E-06	3.10E-06	2.31E-02	7.30E-06	3.10E-06
5834	488808, 3859060.73	1.17E-02	3.69E-06	1.57E-06	1.19E-02	3.77E-06	1.60E-06	1.19E-02	3.76E-06	1.60E-06
5835	488809.93, 3859157.85	9.13E-03	2.88E-06	1.22E-06	9.32E-03	2.94E-06	1.25E-06	9.31E-03	2.94E-06	1.25E-06
5836	488811.86, 3859254.96	7.51E-03	2.37E-06	1.01E-06	7.66E-03	2.42E-06	1.03E-06	7.65E-03	2.41E-06	1.02E-06
5837	488813.78, 3859352.07	6.38E-03	2.02E-06	8.55E-07	6.52E-03	2.06E-06	8.72E-07	6.51E-03	2.05E-06	8.71E-07
5838	488815.71, 3859449.19	5.59E-03	1.76E-06	7.49E-07	5.70E-03	1.80E-06	7.64E-07	5.70E-03	1.80E-06	7.63E-07
5839	488910.04, 3859547.11	5.49E-03	1.73E-06	7.35E-07	5.60E-03	1.77E-06	7.50E-07	5.59E-03	1.77E-06	7.49E-07
5840	489002.45, 3859547.91	6.12E-03	1.93E-06	8.19E-07	6.24E-03	1.97E-06	8.36E-07	6.24E-03	1.97E-06	8.35E-07
5841	489094.85, 3859548.72	6.89E-03	2.17E-06	9.22E-07	7.03E-03	2.22E-06	9.41E-07	7.02E-03	2.22E-06	9.40E-07
5842	489230.05, 3859601.87	7.41E-03	2.34E-06	9.93E-07	7.56E-03	2.39E-06	1.01E-06	7.55E-03	2.38E-06	1.01E-06
5843	489227.52, 3859680.89	6.45E-03	2.03E-06	8.63E-07	6.58E-03	2.08E-06	8.81E-07	6.57E-03	2.07E-06	8.80E-07
5844	489133.47, 3859760.29	5.22E-03	1.65E-06	6.99E-07	5.33E-03	1.68E-06	7.13E-07	5.32E-03	1.68E-06	7.12E-07
5845	489041.96, 3859760.67	4.79E-03	1.51E-06	6.41E-07	4.89E-03	1.54E-06	6.55E-07	4.88E-03	1.54E-06	6.54E-07
5846	488950.45, 3859761.05	4.41E-03	1.39E-06	5.90E-07	4.50E-03	1.42E-06	6.02E-07	4.49E-03	1.42E-06	6.01E-07
5847	488858.94, 3859761.43	4.07E-03	1.29E-06	5.45E-07	4.16E-03	1.31E-06	5.57E-07	4.15E-03	1.31E-06	5.56E-07
5848	488767.43, 3859761.82	3.74E-03	1.18E-06	5.01E-07	3.82E-03	1.21E-06	5.12E-07	3.82E-03	1.20E-06	5.11E-07
5849	488675.92, 3859762.2	3.46E-03	1.09E-06	4.64E-07	3.54E-03	1.12E-06	4.73E-07	3.53E-03	1.11E-06	4.73E-07
5850	488584.41, 3859762.58	3.19E-03	1.01E-06	4.28E-07	3.26E-03	1.03E-06	4.37E-07	3.26E-03	1.03E-06	4.36E-07
5851	488492.9, 3859762.96	2.96E-03	9.34E-07	3.96E-07	3.02E-03	9.53E-07	4.04E-07	3.02E-03	9.52E-07	4.04E-07
5852	488402.76, 3859830.95	2.64E-03	8.35E-07	3.54E-07	2.70E-03	8.52E-07	3.61E-07	2.70E-03	8.51E-07	3.61E-07
5853	488404.14, 3859898.55	2.53E-03	7.99E-07	3.39E-07	2.58E-03	8.15E-07	3.46E-07	2.58E-03	8.14E-07	3.45E-07
5854	488505.18, 3859964.96	2.61E-03	8.23E-07	3.49E-07	2.66E-03	8.40E-07	3.56E-07	2.66E-03	8.39E-07	3.56E-07
5855	488604.85, 3859963.76	2.80E-03	8.83E-07	3.75E-07	2.86E-03	9.01E-07	3.82E-07	2.85E-03	9.00E-07	3.82E-07
5856	488704.51, 3859962.56	3.01E-03	9.50E-07	4.03E-07	3.07E-03	9.69E-07	4.11E-07	3.07E-03	9.68E-07	4.11E-07
5857	488804.18, 3859961.37	3.24E-03	1.02E-06	4.34E-07	3.31E-03	1.04E-06	4.43E-07	3.30E-03	1.04E-06	4.42E-07
5858	488903.85, 3859960.17	3.49E-03	1.10E-06	4.68E-07	3.56E-03	1.12E-06	4.77E-07	3.56E-03	1.12E-06	4.76E-07
5859	489003.52, 3859958.97	3.75E-03	1.18E-06	5.02E-07	3.83E-03	1.21E-06	5.13E-07	3.82E-03	1.21E-06	5.12E-07
5860	489103.18, 3859957.77	4.04E-03	1.27E-06	5.41E-07	4.12E-03	1.30E-06	5.52E-07	4.12E-03	1.30E-06	5.51E-07
5861	489201.48, 3860046.59	3.96E-03	1.25E-06	5.31E-07	4.04E-03	1.28E-06	5.41E-07	4.04E-03	1.27E-06	5.41E-07
5862	489200.11, 3860136.61	3.60E-03	1.14E-06	4.82E-07	3.67E-03	1.16E-06	4.92E-07	3.67E-03	1.16E-06	4.91E-07
5863	489198.74, 3860226.63	3.29E-03	1.04E-06	4.41E-07	3.36E-03	1.06E-06	4.50E-07	3.36E-03	1.06E-06	4.50E-07
5864	489197.38, 3860316.66	3.02E-03	9.54E-07	4.05E-07	3.09E-03	9.74E-07	4.13E-07	3.08E-03	9.73E-07	4.13E-07
5865	489196.01, 3860406.68	2.80E-03	8.83E-07	3.75E-07	2.86E-03	9.01E-07	3.82E-07	2.85E-03	9.00E-07	3.82E-07
5866	489194.64, 3860496.7	2.58E-03	8.15E-07	3.46E-07	2.63E-03	8.31E-07	3.53E-07	2.63E-03	8.30E-07	3.52E-07
5867	489193.27, 3860586.72	2.41E-03	7.59E-07	3.22E-07	2.46E-03	7.75E-07	3.29E-07	2.45E-03	7.74E-07	3.28E-07
5868	489092.02, 3860678.13	2.16E-03	6.80E-07	2.89E-07	2.20E-03	6.94E-07	2.95E-07	2.20E-03	6.93E-07	2.94E-07
5869	488992.13, 3860679.53	2.07E-03	6.53E-07	2.77E-07	2.11E-03	6.67E-07	2.83E-07	2.11E-03	6.66E-07	2.83E-07
5870	488892.25, 3860680.92	1.99E-03	6.29E-07	2.67E-07	2.03E-03	6.42E-07	2.72E-07	2.03E-03	6.41E-07	2.72E-07
5871	488792.36, 3860682.31	1.91E-03	6.04E-07	2.56E-07	1.95E-03	6.17E-07	2.62E-07	1.95E-03	6.16E-07	2.61E-07
5872	488692.48, 3860683.7	1.84E-03	5.82E-07	2.47E-07	1.88E-03	5.94E-07	2.52E-07	1.88E-03	5.93E-07	2.52E-07
5873	488592.59, 3860685.1	1.76E-03	5.57E-07	2.36E-07	1.80E-03	5.68E-07	2.41E-07	1.80E-03	5.68E-07	2.41E-07
5874	488492.71, 3860686.49	1.71E-03	5.39E-07	2.29E-07	1.74E-03	5.50E-07	2.33E-07	1.74E-03	5.49E-07	2.33E-07
5875	488299.07, 3860762.18	1.56E-03	4.92E-07	2.09E-07	1.59E-03	5.02E-07	2.13E-07	1.59E-03	5.01E-07	2.13E-07
5876	488205.32, 3860764.09	1.50E-03	4.72E-07	2.00E-07	1.53E-03	4.82E-07	2.05E-07	1.53E-03	4.81E-07	2.04E-07
5877	488111.56, 3860766	1.43E-03	4.52E-07	1.92E-07	1.46E-03	4.62E-07	1.96E-07	1.46E-03	4.61E-07	1.96E-07
5878	488017.81, 3860767.91	1.37E-03	4.33E-07	1.84E-07	1.40E-03	4.42E-07	1.88E-07	1.40E-03	4.42E-07	1.87E-07
5879	487924.06, 3860769.81	1.32E-03	4.16E-07	1.77E-07	1.35E-03	4.25E-07	1.80E-07	1.34E-03	4.24E-07	1.80E-07
5880	487830.31, 3860771.72	1.27E-03	4.01E-07	1.70E-07	1.30E-03	4.09E-07	1.74E-07	1.30E-03	4.09E-07	1.73E-07
5881	487736.55, 3860773.63	1.23E-03	3.87E-07	1.64E-07	1.25E-03	3.95E-07	1.68E-07	1.25E-03	3.95E-07	1.67E-07
5882	487642.8, 3860775.54	1.19E-03	3.75E-07	1.59E-07	1.21E-03	3.83E-07	1.63E-07	1.21E-03	3.83E-07	1.62E-07
5883	487549.48, 3860684.71	1.19E-03	3.75E-07	1.59E-07	1.21E-03	3.83E-07	1.62E-07	1.21E-03	3.82E-07	1.62E-07
5884	487549.91, 3860591.97	1.22E-03	3.84E-07	1.63E-07	1.24E-03	3.92E-07	1.66E-07	1.24E-03	3.91E-07	1.66E-07
5885	487550.34, 3860499.23	1.25E-03	3.95E-07	1.67E-07	1.28E-03	4.03E-07	1.71E-07	1.27E-03	4.02E-07	1.71E-07
5886	487550.76, 3860406.49	1.29E-03	4.07E-07	1.73E-07	1.32E-03	4.15E-07	1.76E-07	1.31E-03	4.15E-07	1.76E-07

5887	487551.19, 3860313.75	1.32E-03	4.18E-07	1.77E-07	1.35E-03	4.26E-07	1.81E-07	1.35E-03	4.26E-07	1.81E-07
5888	487551.62, 3860221.01	1.36E-03	4.30E-07	1.82E-07	1.39E-03	4.39E-07	1.86E-07	1.39E-03	4.38E-07	1.86E-07
5889	487552.05, 3860128.27	1.41E-03	4.45E-07	1.89E-07	1.44E-03	4.54E-07	1.93E-07	1.44E-03	4.54E-07	1.93E-07
5890	487552.48, 3860035.53	1.46E-03	4.60E-07	1.95E-07	1.49E-03	4.69E-07	1.99E-07	1.48E-03	4.69E-07	1.99E-07
5891	487552.91, 3859942.79	1.49E-03	4.70E-07	1.99E-07	1.52E-03	4.80E-07	2.03E-07	1.52E-03	4.79E-07	2.03E-07
5892	487553.33, 3859850.05	1.54E-03	4.85E-07	2.06E-07	1.57E-03	4.95E-07	2.10E-07	1.57E-03	4.95E-07	2.10E-07
5893	487553.76, 3859757.31	1.58E-03	4.97E-07	2.11E-07	1.61E-03	5.08E-07	2.15E-07	1.61E-03	5.07E-07	2.15E-07
5894	487554.19, 3859664.57	1.61E-03	5.08E-07	2.16E-07	1.64E-03	5.19E-07	2.20E-07	1.64E-03	5.18E-07	2.20E-07
5895	487460.2, 3859571.05	1.55E-03	4.88E-07	2.07E-07	1.58E-03	4.98E-07	2.11E-07	1.58E-03	4.97E-07	2.11E-07
5896	487365.78, 3859570.27	1.47E-03	4.63E-07	1.97E-07	1.50E-03	4.73E-07	2.01E-07	1.50E-03	4.72E-07	2.00E-07
5897	487271.36, 3859569.48	1.40E-03	4.41E-07	1.87E-07	1.43E-03	4.50E-07	1.91E-07	1.42E-03	4.49E-07	1.91E-07
5898	487176.94, 3859568.7	1.33E-03	4.21E-07	1.79E-07	1.36E-03	4.29E-07	1.82E-07	1.36E-03	4.29E-07	1.82E-07
5899	487082.51, 3859567.92	1.28E-03	4.03E-07	1.71E-07	1.30E-03	4.11E-07	1.74E-07	1.30E-03	4.11E-07	1.74E-07
5900	486988.09, 3859567.14	1.22E-03	3.86E-07	1.64E-07	1.25E-03	3.94E-07	1.67E-07	1.25E-03	3.94E-07	1.67E-07
5901	486893.67, 3859566.36	1.18E-03	3.72E-07	1.58E-07	1.20E-03	3.79E-07	1.61E-07	1.20E-03	3.79E-07	1.61E-07
5902	486799.25, 3859565.58	1.13E-03	3.58E-07	1.52E-07	1.16E-03	3.65E-07	1.55E-07	1.16E-03	3.65E-07	1.55E-07
5903	486704.83, 3859564.79	1.09E-03	3.45E-07	1.47E-07	1.12E-03	3.52E-07	1.50E-07	1.12E-03	3.52E-07	1.49E-07
5904	486610.41, 3859564.01	1.06E-03	3.34E-07	1.42E-07	1.08E-03	3.41E-07	1.45E-07	1.08E-03	3.40E-07	1.44E-07
5905	486515.99, 3859563.23	1.02E-03	3.23E-07	1.37E-07	1.04E-03	3.29E-07	1.40E-07	1.04E-03	3.29E-07	1.40E-07
5906	486421.57, 3859562.45	9.91E-04	3.13E-07	1.33E-07	1.01E-03	3.19E-07	1.35E-07	1.01E-03	3.19E-07	1.35E-07
5907	486327.14, 3859561.67	9.62E-04	3.04E-07	1.29E-07	9.82E-04	3.10E-07	1.32E-07	9.81E-04	3.10E-07	1.31E-07
5908	486232.72, 3859560.89	9.34E-04	2.95E-07	1.25E-07	9.53E-04	3.01E-07	1.28E-07	9.52E-04	3.01E-07	1.28E-07
5909	486138.3, 3859560.1	9.09E-04	2.87E-07	1.22E-07	9.28E-04	2.93E-07	1.24E-07	9.27E-04	2.92E-07	1.24E-07
5910	486043.88, 3859559.32	8.85E-04	2.79E-07	1.18E-07	9.03E-04	2.85E-07	1.21E-07	9.02E-04	2.85E-07	1.21E-07
5911	485949.35, 3859463.54	8.72E-04	2.75E-07	1.17E-07	8.90E-04	2.81E-07	1.19E-07	8.89E-04	2.80E-07	1.19E-07
5912	485949.24, 3859368.55	8.81E-04	2.78E-07	1.18E-07	8.99E-04	2.84E-07	1.20E-07	8.98E-04	2.84E-07	1.20E-07
5913	485949.12, 3859273.55	8.90E-04	2.81E-07	1.19E-07	9.09E-04	2.87E-07	1.22E-07	9.08E-04	2.86E-07	1.22E-07
5914	485949.01, 3859178.56	8.99E-04	2.84E-07	1.20E-07	9.17E-04	2.90E-07	1.23E-07	9.16E-04	2.89E-07	1.23E-07
5915	485948.9, 3859083.56	9.09E-04	2.87E-07	1.22E-07	9.27E-04	2.93E-07	1.24E-07	9.26E-04	2.92E-07	1.24E-07
5916	485948.79, 3858988.56	9.17E-04	2.90E-07	1.23E-07	9.36E-04	2.95E-07	1.25E-07	9.35E-04	2.95E-07	1.25E-07
5917	485948.67, 3858893.57	9.25E-04	2.92E-07	1.24E-07	9.44E-04	2.98E-07	1.26E-07	9.42E-04	2.97E-07	1.26E-07
5918	485948.56, 3858798.57	9.32E-04	2.94E-07	1.25E-07	9.51E-04	3.00E-07	1.27E-07	9.50E-04	3.00E-07	1.27E-07
5919	485948.45, 3858703.58	9.33E-04	2.95E-07	1.25E-07	9.53E-04	3.01E-07	1.28E-07	9.51E-04	3.00E-07	1.27E-07
5920	485948.34, 3858608.58	9.36E-04	2.95E-07	1.25E-07	9.55E-04	3.01E-07	1.28E-07	9.54E-04	3.01E-07	1.28E-07
5921	485948.22, 3858513.59	9.35E-04	2.95E-07	1.25E-07	9.54E-04	3.01E-07	1.28E-07	9.53E-04	3.01E-07	1.28E-07
5922	485948.11, 3858418.59	9.31E-04	2.94E-07	1.25E-07	9.50E-04	3.00E-07	1.27E-07	9.48E-04	2.99E-07	1.27E-07
5923	485948, 3858323.59	9.24E-04	2.92E-07	1.24E-07	9.43E-04	2.98E-07	1.26E-07	9.42E-04	2.97E-07	1.26E-07
5924	485947.89, 3858228.6	9.12E-04	2.88E-07	1.22E-07	9.30E-04	2.94E-07	1.25E-07	9.29E-04	2.93E-07	1.24E-07
5925	485947.77, 3858133.6	8.97E-04	2.83E-07	1.20E-07	9.16E-04	2.89E-07	1.23E-07	9.14E-04	2.89E-07	1.22E-07
5926	485947.66, 3858038.61	8.84E-04	2.79E-07	1.18E-07	9.02E-04	2.85E-07	1.21E-07	9.01E-04	2.84E-07	1.21E-07
5927	485854.54, 3857943.35	8.62E-04	2.72E-07	1.15E-07	8.79E-04	2.77E-07	1.18E-07	8.78E-04	2.77E-07	1.18E-07
5928	485761.52, 3857943.09	8.55E-04	2.70E-07	1.14E-07	8.72E-04	2.75E-07	1.17E-07	8.71E-04	2.75E-07	1.17E-07
5929	485668.51, 3857942.83	8.48E-04	2.68E-07	1.14E-07	8.65E-04	2.73E-07	1.16E-07	8.64E-04	2.73E-07	1.16E-07
5930	485575.5, 3857942.56	8.40E-04	2.65E-07	1.13E-07	8.58E-04	2.71E-07	1.15E-07	8.57E-04	2.70E-07	1.15E-07
5931	485482.48, 3857942.3	8.34E-04	2.63E-07	1.12E-07	8.51E-04	2.68E-07	1.14E-07	8.50E-04	2.68E-07	1.14E-07
5932	485389.47, 3857942.04	8.26E-04	2.61E-07	1.11E-07	8.43E-04	2.66E-07	1.13E-07	8.42E-04	2.66E-07	1.13E-07
5933	485296.46, 3857941.78	8.19E-04	2.58E-07	1.10E-07	8.36E-04	2.64E-07	1.12E-07	8.35E-04	2.63E-07	1.12E-07
5934	485203.45, 3857941.52	8.12E-04	2.56E-07	1.09E-07	8.28E-04	2.61E-07	1.11E-07	8.27E-04	2.61E-07	1.11E-07
5935	485110.43, 3857941.26	8.04E-04	2.54E-07	1.08E-07	8.20E-04	2.59E-07	1.10E-07	8.19E-04	2.59E-07	1.10E-07
5936	485017.42, 3857940.99	7.96E-04	2.51E-07	1.07E-07	8.12E-04	2.56E-07	1.09E-07	8.11E-04	2.56E-07	1.09E-07
5937	484924.41, 3857940.73	7.88E-04	2.49E-07	1.06E-07	8.04E-04	2.54E-07	1.08E-07	8.03E-04	2.54E-07	1.08E-07
5938	484831.39, 3857940.47	7.81E-04	2.47E-07	1.05E-07	7.97E-04	2.52E-07	1.07E-07	7.96E-04	2.51E-07	1.07E-07
5939	484738.12, 3857859.3	7.74E-04	2.44E-07	1.04E-07	7.90E-04	2.49E-07	1.06E-07	7.89E-04	2.49E-07	1.06E-07
5940	484737.85, 3857778.4	7.74E-04	2.44E-07	1.04E-07	7.90E-04	2.49E-07	1.06E-07	7.89E-04	2.49E-07	1.06E-07
5941	484737.59, 3857697.49	7.73E-04	2.44E-07	1.04E-07	7.89E-04	2.49E-07	1.06E-07	7.88E-04	2.49E-07	1.06E-07
5942	484737.32, 3857616.59	7.72E-04	2.44E-07	1.03E-07	7.88E-04	2.49E-07	1.06E-07	7.87E-04	2.48E-07	1.05E-07
5943	484645.53, 3857535.18	7.68E-04	2.42E-07	1.03E-07	7.84E-04	2.47E-07	1.05E-07	7.83E-04	2.47E-07	1.05E-07
5944	484553.99, 3857534.67	7.65E-04	2.41E-07	1.02E-07	7.80E-04	2.46E-07	1.04E-07	7.79E-04	2.46E-07	1.04E-07
5945	484462.46, 3857534.17	7.62E-04	2.40E-07	1.02E-07	7.78E-04	2.45E-07	1.04E-07	7.77E-04	2.45E-07	1.04E-07
5946	484370.93, 3857533.66	7.60E-04	2.40E-07	1.02E-07	7.75E-04	2.45E-07	1.04E-07	7.74E-04	2.44E-07	1.04E-07
5947	484279.4, 3857533.16	7.58E-04	2.39E-07	1.01E-07	7.73E-04	2.44E-07	1.04E-07	7.72E-04	2.44E-07	1.03E-07
5948	484187.86, 3857532.65	7.56E-04	2.38E-07	1.01E-07	7.71E-04	2.43E-07	1.03E-07	7.70E-04	2.43E-07	1.03E-07

5949	484096.33, 3857532.15	7.54E-04	2.38E-07	1.01E-07	7.69E-04	2.43E-07	1.03E-07	7.69E-04	2.43E-07	1.03E-07
5950	484004.8, 3857531.64	7.52E-04	2.37E-07	1.01E-07	7.67E-04	2.42E-07	1.03E-07	7.66E-04	2.42E-07	1.03E-07
5951	483913.27, 3857531.14	7.49E-04	2.36E-07	1.00E-07	7.64E-04	2.41E-07	1.02E-07	7.63E-04	2.41E-07	1.02E-07
5952	483821.73, 3857530.63	7.45E-04	2.35E-07	9.98E-08	7.61E-04	2.40E-07	1.02E-07	7.60E-04	2.40E-07	1.02E-07
5953	483729.61, 3857450.11	7.47E-04	2.36E-07	1.00E-07	7.62E-04	2.41E-07	1.02E-07	7.61E-04	2.40E-07	1.02E-07
5954	483729.03, 3857370.08	7.52E-04	2.37E-07	1.01E-07	7.68E-04	2.42E-07	1.03E-07	7.67E-04	2.42E-07	1.03E-07
5955	483728.44, 3857290.06	7.57E-04	2.39E-07	1.01E-07	7.72E-04	2.44E-07	1.03E-07	7.72E-04	2.44E-07	1.03E-07
5956	483727.86, 3857210.03	7.62E-04	2.40E-07	1.02E-07	7.77E-04	2.45E-07	1.04E-07	7.76E-04	2.45E-07	1.04E-07
5957	483641.15, 3857129.07	7.66E-04	2.42E-07	1.03E-07	7.81E-04	2.47E-07	1.05E-07	7.81E-04	2.46E-07	1.05E-07
5958	483555.03, 3857128.14	7.64E-04	2.41E-07	1.02E-07	7.79E-04	2.46E-07	1.04E-07	7.78E-04	2.46E-07	1.04E-07
5959	483468.91, 3857127.2	7.61E-04	2.40E-07	1.02E-07	7.76E-04	2.45E-07	1.04E-07	7.75E-04	2.45E-07	1.04E-07
5960	483382.78, 3857126.26	7.59E-04	2.39E-07	1.02E-07	7.74E-04	2.44E-07	1.04E-07	7.73E-04	2.44E-07	1.04E-07
5961	483296.66, 3857125.32	7.56E-04	2.39E-07	1.01E-07	7.71E-04	2.43E-07	1.03E-07	7.70E-04	2.43E-07	1.03E-07
5962	483210.54, 3857124.39	7.52E-04	2.37E-07	1.01E-07	7.68E-04	2.42E-07	1.03E-07	7.67E-04	2.42E-07	1.03E-07
5963	483123.4, 3857030.96	7.58E-04	2.39E-07	1.02E-07	7.74E-04	2.44E-07	1.04E-07	7.73E-04	2.44E-07	1.03E-07
5964	483122.38, 3856938.46	7.68E-04	2.42E-07	1.03E-07	7.84E-04	2.47E-07	1.05E-07	7.83E-04	2.47E-07	1.05E-07
5965	483121.35, 3856845.97	7.79E-04	2.46E-07	1.04E-07	7.95E-04	2.51E-07	1.06E-07	7.94E-04	2.51E-07	1.06E-07
5966	483120.33, 3856753.47	7.90E-04	2.49E-07	1.06E-07	8.06E-04	2.54E-07	1.08E-07	8.05E-04	2.54E-07	1.08E-07
5967	483119.31, 3856660.98	8.02E-04	2.53E-07	1.07E-07	8.19E-04	2.58E-07	1.10E-07	8.18E-04	2.58E-07	1.10E-07
5968	483118.29, 3856568.49	8.18E-04	2.58E-07	1.10E-07	8.35E-04	2.63E-07	1.12E-07	8.34E-04	2.63E-07	1.12E-07
5969	483117.26, 3856475.99	8.36E-04	2.64E-07	1.12E-07	8.53E-04	2.69E-07	1.14E-07	8.52E-04	2.69E-07	1.14E-07
5970	483116.24, 3856383.5	8.56E-04	2.70E-07	1.15E-07	8.73E-04	2.76E-07	1.17E-07	8.72E-04	2.75E-07	1.17E-07
5971	483115.22, 3856291.01	8.78E-04	2.77E-07	1.18E-07	8.95E-04	2.83E-07	1.20E-07	8.94E-04	2.82E-07	1.20E-07
5972	483114.2, 3856198.51	9.00E-04	2.84E-07	1.21E-07	9.19E-04	2.90E-07	1.23E-07	9.17E-04	2.90E-07	1.23E-07
5973	483113.17, 3856106.02	9.27E-04	2.93E-07	1.24E-07	9.46E-04	2.99E-07	1.27E-07	9.45E-04	2.98E-07	1.27E-07
5974	483112.15, 3856013.52	9.54E-04	3.01E-07	1.28E-07	9.74E-04	3.07E-07	1.30E-07	9.72E-04	3.07E-07	1.30E-07
5975	483029.25, 3855920.47	9.80E-04	3.09E-07	1.31E-07	1.00E-03	3.16E-07	1.34E-07	9.99E-04	3.15E-07	1.34E-07
5976	482947.37, 3855919.91	9.77E-04	3.08E-07	1.31E-07	9.97E-04	3.15E-07	1.34E-07	9.96E-04	3.14E-07	1.33E-07
5977	482865.49, 3855919.36	9.75E-04	3.08E-07	1.31E-07	9.95E-04	3.14E-07	1.33E-07	9.93E-04	3.14E-07	1.33E-07
5978	482783.61, 3855918.8	9.74E-04	3.08E-07	1.30E-07	9.94E-04	3.14E-07	1.33E-07	9.93E-04	3.13E-07	1.33E-07
5979	482700.33, 3855818.39	1.01E-03	3.18E-07	1.35E-07	1.03E-03	3.24E-07	1.38E-07	1.03E-03	3.24E-07	1.38E-07
5980	482698.92, 3855718.54	1.05E-03	3.30E-07	1.40E-07	1.07E-03	3.37E-07	1.43E-07	1.07E-03	3.36E-07	1.43E-07
5981	482697.52, 3855618.68	1.08E-03	3.42E-07	1.45E-07	1.11E-03	3.49E-07	1.48E-07	1.10E-03	3.49E-07	1.48E-07
5982	482696.11, 3855518.83	1.13E-03	3.56E-07	1.51E-07	1.15E-03	3.63E-07	1.54E-07	1.15E-03	3.63E-07	1.54E-07
5983	482694.71, 3855418.98	1.17E-03	3.70E-07	1.57E-07	1.19E-03	3.77E-07	1.60E-07	1.19E-03	3.77E-07	1.60E-07
5984	482693.3, 3855319.13	1.22E-03	3.85E-07	1.63E-07	1.24E-03	3.92E-07	1.66E-07	1.24E-03	3.92E-07	1.66E-07
5985	482691.9, 3855219.27	1.27E-03	4.01E-07	1.70E-07	1.30E-03	4.09E-07	1.74E-07	1.30E-03	4.09E-07	1.73E-07
5986	482690.49, 3855119.42	1.33E-03	4.19E-07	1.78E-07	1.35E-03	4.28E-07	1.81E-07	1.35E-03	4.27E-07	1.81E-07
5987	482689.09, 3855019.57	1.39E-03	4.40E-07	1.87E-07	1.42E-03	4.49E-07	1.90E-07	1.42E-03	4.48E-07	1.90E-07
5988	482687.68, 3854919.72	1.46E-03	4.62E-07	1.96E-07	1.49E-03	4.72E-07	2.00E-07	1.49E-03	4.71E-07	2.00E-07
5989	482686.28, 3854819.86	1.55E-03	4.89E-07	2.07E-07	1.58E-03	4.99E-07	2.12E-07	1.58E-03	4.98E-07	2.11E-07
5990	482684.88, 3854720.01	1.64E-03	5.17E-07	2.19E-07	1.67E-03	5.27E-07	2.24E-07	1.67E-03	5.26E-07	2.23E-07
5991	482683.47, 3854620.16	1.74E-03	5.50E-07	2.34E-07	1.78E-03	5.62E-07	2.38E-07	1.78E-03	5.61E-07	2.38E-07
5992	482682.07, 3854520.31	1.86E-03	5.89E-07	2.50E-07	1.90E-03	6.01E-07	2.55E-07	1.90E-03	6.00E-07	2.54E-07
5993	482680.66, 3854420.45	2.01E-03	6.33E-07	2.69E-07	2.05E-03	6.46E-07	2.74E-07	2.04E-03	6.45E-07	2.74E-07
5994	482679.26, 3854320.6	2.17E-03	6.86E-07	2.91E-07	2.22E-03	7.00E-07	2.97E-07	2.21E-03	6.99E-07	2.97E-07
5995	482677.85, 3854220.75	2.38E-03	7.52E-07	3.19E-07	2.43E-03	7.67E-07	3.25E-07	2.43E-03	7.66E-07	3.25E-07
5996	482676.45, 3854120.9	2.63E-03	8.30E-07	3.52E-07	2.68E-03	8.47E-07	3.59E-07	2.68E-03	8.46E-07	3.59E-07
5997	482675.04, 3854021.04	2.95E-03	9.30E-07	3.95E-07	3.01E-03	9.49E-07	4.03E-07	3.00E-03	9.48E-07	4.02E-07
5998	482673.64, 3853921.19	3.36E-03	1.06E-06	4.50E-07	3.43E-03	1.08E-06	4.59E-07	3.42E-03	1.08E-06	4.58E-07
5999	482672.23, 3853821.34	3.98E-03	1.25E-06	5.32E-07	4.06E-03	1.28E-06	5.43E-07	4.05E-03	1.28E-06	5.43E-07
6000	482670.83, 3853721.49	4.94E-03	1.56E-06	6.62E-07	5.04E-03	1.59E-06	6.75E-07	5.04E-03	1.59E-06	6.74E-07
6001	482669.42, 3853621.63	6.57E-03	2.07E-06	8.79E-07	6.70E-03	2.11E-06	8.97E-07	6.69E-03	2.11E-06	8.96E-07
6002	482645.99, 3853446.13	1.28E-02	4.04E-06	1.71E-06	1.31E-02	4.12E-06	1.75E-06	1.30E-02	4.12E-06	1.75E-06
6003	482623.97, 3853370.49	1.53E-02	4.81E-06	2.04E-06	1.56E-02	4.91E-06	2.08E-06	1.55E-02	4.91E-06	2.08E-06
6004	482601.94, 3853294.84	1.73E-02	5.47E-06	2.32E-06	1.77E-02	5.58E-06	2.37E-06	1.77E-02	5.57E-06	2.37E-06
6005	482531.29, 3853133.44	2.08E-02	6.57E-06	2.79E-06	2.12E-02	6.70E-06	2.84E-06	2.12E-02	6.69E-06	2.84E-06
6006	482482.68, 3853047.69	2.32E-02	7.32E-06	3.10E-06	2.37E-02	7.47E-06	3.17E-06	2.36E-02	7.46E-06	3.16E-06
6007	482383.09, 3852897.4	2.89E-02	9.11E-06	3.87E-06	2.95E-02	9.30E-06	3.95E-06	2.94E-02	9.29E-06	3.94E-06
6008	482265.64, 3852765.26	3.09E-02	9.74E-06	4.13E-06	3.15E-02	9.94E-06	4.22E-06	3.14E-02	9.93E-06	4.21E-06
6009	482199.16, 3852697.66	3.08E-02	9.73E-06	4.13E-06	3.15E-02	9.93E-06	4.21E-06	3.14E-02	9.92E-06	4.21E-06
6010	482132.69, 3852630.07	3.10E-02	9.79E-06	4.15E-06	3.16E-02	9.99E-06	4.24E-06	3.16E-02	9.97E-06	4.23E-06

6011 482066.21, 3852562.48	3.08E-02	9.72E-06	4.12E-06	3.14E-02	9.92E-06	4.21E-06	3.14E-02	9.90E-06	4.20E-06
6012 481999.74, 3852494.89	3.02E-02	9.54E-06	4.05E-06	3.08E-02	9.73E-06	4.13E-06	3.08E-02	9.72E-06	4.12E-06
6013 481933.26, 3852427.29	2.95E-02	9.31E-06	3.95E-06	3.01E-02	9.50E-06	4.03E-06	3.01E-02	9.49E-06	4.03E-06
6014 481866.79, 3852359.7	2.93E-02	9.26E-06	3.93E-06	2.99E-02	9.45E-06	4.01E-06	2.99E-02	9.43E-06	4.00E-06
6015 481800.31, 3852292.11	2.92E-02	9.23E-06	3.91E-06	2.98E-02	9.41E-06	3.99E-06	2.98E-02	9.40E-06	3.99E-06
6016 481733.84, 3852224.52	2.90E-02	9.16E-06	3.89E-06	2.96E-02	9.35E-06	3.97E-06	2.96E-02	9.34E-06	3.96E-06
6017 481667.36, 3852156.92	2.96E-02	9.35E-06	3.97E-06	3.02E-02	9.54E-06	4.05E-06	3.02E-02	9.53E-06	4.04E-06
6018 481600.89, 3852089.33	2.93E-02	9.25E-06	3.93E-06	2.99E-02	9.44E-06	4.01E-06	2.99E-02	9.43E-06	4.00E-06
6019 481534.41, 3852021.74	2.91E-02	9.17E-06	3.89E-06	2.97E-02	9.36E-06	3.97E-06	2.96E-02	9.35E-06	3.97E-06
6020 481467.94, 3851954.15	2.93E-02	9.23E-06	3.92E-06	2.98E-02	9.42E-06	4.00E-06	2.98E-02	9.41E-06	3.99E-06
6021 481401.46, 3851886.55	3.01E-02	9.51E-06	4.04E-06	3.08E-02	9.71E-06	4.12E-06	3.07E-02	9.70E-06	4.11E-06
6022 481265.87, 3851761.43	3.08E-02	9.72E-06	4.12E-06	3.14E-02	9.92E-06	4.21E-06	3.14E-02	9.91E-06	4.20E-06
6023 481196.74, 3851703.89	3.14E-02	9.90E-06	4.20E-06	3.20E-02	1.01E-05	4.29E-06	3.20E-02	1.01E-05	4.28E-06
6024 481076.33, 3851619.05	3.15E-02	9.93E-06	4.21E-06	3.21E-02	1.01E-05	4.30E-06	3.21E-02	1.01E-05	4.30E-06
6025 480939.8, 3851549.07	3.00E-02	9.47E-06	4.02E-06	3.06E-02	9.66E-06	4.10E-06	3.06E-02	9.65E-06	4.09E-06
6026 480854.56, 3851506.41	2.99E-02	9.44E-06	4.01E-06	3.05E-02	9.63E-06	4.09E-06	3.05E-02	9.62E-06	4.08E-06
6027 480769.32, 3851463.75	3.03E-02	9.57E-06	4.06E-06	3.09E-02	9.76E-06	4.14E-06	3.09E-02	9.75E-06	4.14E-06
6028 480684.08, 3851421.08	3.08E-02	9.73E-06	4.13E-06	3.15E-02	9.93E-06	4.21E-06	3.14E-02	9.91E-06	4.21E-06
6029 480598.84, 3851378.42	3.07E-02	9.70E-06	4.12E-06	3.14E-02	9.90E-06	4.20E-06	3.13E-02	9.89E-06	4.20E-06
6030 480435.71, 3851275.01	3.64E-02	1.15E-05	4.87E-06	3.71E-02	1.17E-05	4.97E-06	3.71E-02	1.17E-05	4.96E-06
6031 480347.85, 3851232.36	3.62E-02	1.14E-05	4.85E-06	3.69E-02	1.17E-05	4.95E-06	3.69E-02	1.16E-05	4.94E-06
6032 480260, 3851189.72	3.61E-02	1.14E-05	4.84E-06	3.69E-02	1.16E-05	4.94E-06	3.68E-02	1.16E-05	4.93E-06
6033 480172.15, 3851147.07	3.60E-02	1.14E-05	4.82E-06	3.68E-02	1.16E-05	4.92E-06	3.67E-02	1.16E-05	4.92E-06
6034 480084.29, 3851104.42	3.61E-02	1.14E-05	4.84E-06	3.69E-02	1.16E-05	4.94E-06	3.68E-02	1.16E-05	4.93E-06
6035 479996.44, 3851061.77	3.63E-02	1.14E-05	4.85E-06	3.70E-02	1.17E-05	4.95E-06	3.69E-02	1.17E-05	4.95E-06
6036 479908.58, 3851019.13	3.79E-02	1.20E-05	5.08E-06	3.87E-02	1.22E-05	5.18E-06	3.86E-02	1.22E-05	5.17E-06
6037 479820.73, 3850976.48	3.79E-02	1.19E-05	5.07E-06	3.86E-02	1.22E-05	5.17E-06	3.86E-02	1.22E-05	5.17E-06
6038 479732.88, 3850933.83	3.79E-02	1.20E-05	5.08E-06	3.87E-02	1.22E-05	5.18E-06	3.86E-02	1.22E-05	5.17E-06
6039 479645.02, 3850891.18	3.80E-02	1.20E-05	5.08E-06	3.87E-02	1.22E-05	5.19E-06	3.87E-02	1.22E-05	5.18E-06
6040 479557.17, 3850848.54	3.76E-02	1.19E-05	5.04E-06	3.84E-02	1.21E-05	5.14E-06	3.84E-02	1.21E-05	5.14E-06
6041 479469.32, 3850805.89	3.86E-02	1.22E-05	5.16E-06	3.93E-02	1.24E-05	5.27E-06	3.93E-02	1.24E-05	5.26E-06
6042 479381.46, 3850763.24	3.81E-02	1.20E-05	5.11E-06	3.89E-02	1.23E-05	5.21E-06	3.89E-02	1.23E-05	5.21E-06
6043 479293.61, 3850720.59	3.71E-02	1.17E-05	4.96E-06	3.78E-02	1.19E-05	5.06E-06	3.78E-02	1.19E-05	5.06E-06
6044 479205.76, 3850677.95	3.62E-02	1.14E-05	4.85E-06	3.70E-02	1.17E-05	4.95E-06	3.69E-02	1.17E-05	4.94E-06
6045 479117.9, 3850635.3	3.47E-02	1.10E-05	4.65E-06	3.54E-02	1.12E-05	4.74E-06	3.54E-02	1.12E-05	4.74E-06
6046 479030.05, 3850592.65	3.38E-02	1.07E-05	4.53E-06	3.45E-02	1.09E-05	4.63E-06	3.45E-02	1.09E-05	4.62E-06
6047 478942.19, 3850550	3.45E-02	1.09E-05	4.63E-06	3.53E-02	1.11E-05	4.72E-06	3.52E-02	1.11E-05	4.72E-06
6048 478854.34, 3850507.36	3.81E-02	1.20E-05	5.11E-06	3.89E-02	1.23E-05	5.21E-06	3.89E-02	1.23E-05	5.21E-06
6049 478766.49, 3850464.71	3.88E-02	1.22E-05	5.20E-06	3.96E-02	1.25E-05	5.30E-06	3.95E-02	1.25E-05	5.30E-06
6050 478678.63, 3850422.06	3.88E-02	1.23E-05	5.20E-06	3.96E-02	1.25E-05	5.30E-06	3.96E-02	1.25E-05	5.30E-06
6051 478590.78, 3850379.41	3.91E-02	1.23E-05	5.24E-06	3.99E-02	1.26E-05	5.35E-06	3.99E-02	1.26E-05	5.34E-06
6052 478502.93, 3850336.77	3.90E-02	1.23E-05	5.22E-06	3.98E-02	1.26E-05	5.33E-06	3.97E-02	1.25E-05	5.32E-06
6053 478415.07, 3850294.12	3.85E-02	1.22E-05	5.16E-06	3.93E-02	1.24E-05	5.27E-06	3.93E-02	1.24E-05	5.26E-06
6054 478327.22, 3850251.47	3.91E-02	1.23E-05	5.23E-06	3.99E-02	1.26E-05	5.34E-06	3.98E-02	1.26E-05	5.33E-06
6055 478239.36, 3850208.82	3.94E-02	1.24E-05	5.27E-06	4.02E-02	1.27E-05	5.38E-06	4.01E-02	1.27E-05	5.37E-06
6056 478151.51, 3850166.18	3.95E-02	1.25E-05	5.29E-06	4.03E-02	1.27E-05	5.40E-06	4.03E-02	1.27E-05	5.40E-06
6057 478063.66, 3850123.53	3.97E-02	1.25E-05	5.32E-06	4.05E-02	1.28E-05	5.43E-06	4.05E-02	1.28E-05	5.42E-06
6058 477975.8, 3850080.88	3.77E-02	1.19E-05	5.05E-06	3.85E-02	1.22E-05	5.16E-06	3.85E-02	1.21E-05	5.15E-06
6059 477887.95, 3850038.23	3.74E-02	1.18E-05	5.01E-06	3.82E-02	1.20E-05	5.11E-06	3.81E-02	1.20E-05	5.10E-06
6060 477800.1, 3849995.59	3.66E-02	1.16E-05	4.90E-06	3.73E-02	1.18E-05	5.00E-06	3.73E-02	1.18E-05	4.99E-06
6061 477712.24, 3849952.94	3.68E-02	1.16E-05	4.92E-06	3.75E-02	1.18E-05	5.02E-06	3.75E-02	1.18E-05	5.02E-06
6062 477624.39, 3849910.29	3.67E-02	1.16E-05	4.91E-06	3.74E-02	1.18E-05	5.01E-06	3.74E-02	1.18E-05	5.00E-06
6063 477536.54, 3849867.64	3.60E-02	1.14E-05	4.82E-06	3.67E-02	1.16E-05	4.92E-06	3.67E-02	1.16E-05	4.91E-06
6064 477448.68, 3849825	3.59E-02	1.13E-05	4.81E-06	3.66E-02	1.16E-05	4.91E-06	3.66E-02	1.15E-05	4.90E-06
6065 477360.83, 3849782.35	3.57E-02	1.13E-05	4.78E-06	3.64E-02	1.15E-05	4.88E-06	3.64E-02	1.15E-05	4.87E-06
6066 477272.97, 3849739.7	3.56E-02	1.12E-05	4.77E-06	3.63E-02	1.15E-05	4.86E-06	3.63E-02	1.15E-05	4.86E-06
6067 477185.12, 3849697.05	3.54E-02	1.12E-05	4.75E-06	3.62E-02	1.14E-05	4.84E-06	3.61E-02	1.14E-05	4.84E-06
6068 477097.27, 3849654.41	3.58E-02	1.13E-05	4.80E-06	3.66E-02	1.15E-05	4.90E-06	3.65E-02	1.15E-05	4.89E-06
6069 477009.41, 3849611.76	3.74E-02	1.18E-05	5.01E-06	3.82E-02	1.21E-05	5.11E-06	3.82E-02	1.20E-05	5.11E-06
6070 476841.49, 3849530.08	3.84E-02	1.21E-05	5.15E-06	3.92E-02	1.24E-05	5.25E-06	3.92E-02	1.24E-05	5.25E-06
6071 476761.41, 3849491.05	3.88E-02	1.22E-05	5.20E-06	3.96E-02	1.25E-05	5.30E-06	3.95E-02	1.25E-05	5.30E-06
6072 476681.34, 3849452.02	4.05E-02	1.28E-05	5.42E-06	4.13E-02	1.30E-05	5.53E-06	4.13E-02	1.30E-05	5.53E-06

6073	476601.26, 3849412.99	4.39E-02	1.39E-05	5.88E-06	4.48E-02	1.41E-05	6.00E-06	4.48E-02	1.41E-05	6.00E-06
6074	476456.32, 3849353.67	5.26E-02	1.66E-05	7.04E-06	5.36E-02	1.69E-05	7.18E-06	5.36E-02	1.69E-05	7.17E-06
6075	476305.43, 3849318.84	4.99E-02	1.58E-05	6.68E-06	5.09E-02	1.61E-05	6.82E-06	5.09E-02	1.61E-05	6.81E-06
6076	476129.36, 3849289.99	4.91E-02	1.55E-05	6.58E-06	5.02E-02	1.58E-05	6.72E-06	5.01E-02	1.58E-05	6.71E-06
6077	476039.31, 3849275.68	4.81E-02	1.52E-05	6.45E-06	4.91E-02	1.55E-05	6.58E-06	4.91E-02	1.55E-05	6.57E-06
6078	475949.26, 3849261.38	5.00E-02	1.58E-05	6.70E-06	5.10E-02	1.61E-05	6.83E-06	5.10E-02	1.61E-05	6.83E-06
6079	475859.21, 3849247.08	4.81E-02	1.52E-05	6.44E-06	4.91E-02	1.55E-05	6.58E-06	4.90E-02	1.55E-05	6.57E-06
6080	475769.16, 3849232.77	4.63E-02	1.46E-05	6.20E-06	4.73E-02	1.49E-05	6.33E-06	4.72E-02	1.49E-05	6.32E-06
6081	475585.23, 3849219.27	2.52E-02	7.97E-06	3.38E-06	2.58E-02	8.13E-06	3.45E-06	2.57E-02	8.12E-06	3.45E-06
6082	475444.5, 3849150.35	4.78E-02	1.51E-05	6.40E-06	4.88E-02	1.54E-05	6.53E-06	4.87E-02	1.54E-05	6.52E-06
6083	475334.18, 3849118.71	3.60E-02	1.14E-05	4.83E-06	3.68E-02	1.16E-05	4.93E-06	3.67E-02	1.16E-05	4.92E-06
6084	475230.47, 3849060.57	3.62E-02	1.14E-05	4.84E-06	3.69E-02	1.16E-05	4.94E-06	3.68E-02	1.16E-05	4.93E-06
6085	475110.86, 3848960.97	4.32E-02	1.36E-05	5.79E-06	4.41E-02	1.39E-05	5.90E-06	4.40E-02	1.39E-05	5.90E-06
6086	475037.79, 3848896.28	4.49E-02	1.42E-05	6.02E-06	4.59E-02	1.45E-05	6.14E-06	4.58E-02	1.45E-05	6.13E-06
6087	474964.72, 3848831.59	4.65E-02	1.47E-05	6.22E-06	4.74E-02	1.50E-05	6.35E-06	4.74E-02	1.49E-05	6.34E-06
6088	474891.65, 3848766.9	4.63E-02	1.46E-05	6.21E-06	4.73E-02	1.49E-05	6.33E-06	4.72E-02	1.49E-05	6.32E-06
6089	474818.58, 3848702.22	4.67E-02	1.47E-05	6.26E-06	4.77E-02	1.50E-05	6.38E-06	4.76E-02	1.50E-05	6.38E-06
6090	474745.51, 3848637.53	4.22E-02	1.33E-05	5.65E-06	4.31E-02	1.36E-05	5.77E-06	4.30E-02	1.36E-05	5.76E-06
6091	474672.44, 3848572.84	4.16E-02	1.31E-05	5.57E-06	4.24E-02	1.34E-05	5.68E-06	4.24E-02	1.34E-05	5.68E-06
6092	474599.37, 3848508.15	4.28E-02	1.35E-05	5.73E-06	4.37E-02	1.38E-05	5.85E-06	4.36E-02	1.38E-05	5.84E-06
6093	474526.3, 3848443.46	4.26E-02	1.34E-05	5.71E-06	4.35E-02	1.37E-05	5.82E-06	4.34E-02	1.37E-05	5.81E-06

					2028 - RD				2033 - RD				2048 - RD			
	Period			Rates (g/s):	1.53E-02	7.28E-05	2.68E-02		1.57E-02	7.17E-05	2.98E-02		1.49E-02	9.10E-05	5.73E-02	
	Concentration [ug/m^3] at 1 g/s				Concentration [ug/m^3]				Concentration [ug/m^3]				Concentration [ug/m^3]			
	X, Y	BSY (SLINE3)	BSY-Idle (PARE	BSY-Switchers (PAREA3)	BSY	BSY-Idle	BSY-Switch	Total	BSY	BSY-Idle	BSY-Switch	Total	BSY	BSY-Idle	BSY-Switch	Total
1	485973.61, 3854936.51	0.2861	0.61123	0.27114	4.39E-03	4.45E-05	7.27E-03	1.17E-02	4.49E-03	4.38E-05	8.09E-03	1.26E-02	4.26E-03	5.56E-05	1.55E-02	1.98E-02
2	486023.61, 3854936.51	0.27743	0.58581	0.26343	4.26E-03	4.26E-05	7.07E-03	0.011365	4.35E-03	4.20E-05	7.86E-03	1.23E-02	4.13E-03	5.33E-05	1.51E-02	1.93E-02
3	486073.61, 3854936.51	0.27128	0.56582	0.25801	4.16E-03	4.12E-05	6.92E-03	0.011124	4.25E-03	4.05E-05	7.70E-03	1.20E-02	4.04E-03	5.15E-05	1.48E-02	1.89E-02
4	486123.61, 3854936.51	0.26011	0.53716	0.24798	3.99E-03	3.91E-05	6.65E-03	0.010681	4.08E-03	3.85E-05	7.40E-03	1.15E-02	3.87E-03	4.89E-05	1.42E-02	1.81E-02
5	486173.61, 3854936.51	0.25741	0.52466	0.24566	3.95E-03	3.82E-05	6.59E-03	0.010577	4.04E-03	3.76E-05	7.33E-03	1.14E-02	3.83E-03	4.77E-05	1.41E-02	1.80E-02
6	486223.61, 3854936.51	0.25013	0.50437	0.23916	3.84E-03	3.67E-05	6.41E-03	0.010289	3.92E-03	3.61E-05	7.13E-03	1.11E-02	3.73E-03	4.59E-05	1.37E-02	1.75E-02
7	486273.61, 3854936.51	0.24458	0.48769	0.2342	3.75E-03	3.55E-05	6.28E-03	0.01007	3.83E-03	3.49E-05	6.99E-03	1.09E-02	3.64E-03	4.44E-05	1.34E-02	1.71E-02
8	486323.61, 3854936.51	0.23967	0.47259	0.22982	3.68E-03	3.44E-05	6.16E-03	0.009876	3.76E-03	3.39E-05	6.86E-03	1.06E-02	3.57E-03	4.30E-05	1.32E-02	1.68E-02
9	485973.61, 3854986.51	0.30624	0.62508	0.28862	4.70E-03	4.55E-05	7.74E-03	0.012486	4.80E-03	4.48E-05	8.61E-03	1.35E-02	4.56E-03	5.69E-05	1.65E-02	2.12E-02
10	486023.61, 3854986.51	0.29801	0.60104	0.28141	4.57E-03	4.38E-05	7.55E-03	0.012164	4.67E-03	4.31E-05	8.40E-03	1.31E-02	4.44E-03	5.47E-05	1.61E-02	2.06E-02
11	486073.61, 3854986.51	0.28863	0.57564	0.2731	4.43E-03	4.19E-05	7.32E-03	0.011796	4.53E-03	4.12E-05	8.15E-03	1.27E-02	4.30E-03	5.24E-05	1.56E-02	2.00E-02
12	486123.61, 3854986.51	0.27992	0.55214	0.26539	4.30E-03	4.02E-05	7.12E-03	0.011454	4.39E-03	3.96E-05	7.92E-03	1.23E-02	4.17E-03	5.02E-05	1.52E-02	1.94E-02
13	486173.61, 3854986.51	0.2746	0.53527	0.26077	4.21E-03	3.90E-05	6.99E-03	0.011247	4.31E-03	3.84E-05	7.78E-03	1.21E-02	4.09E-03	4.87E-05	1.49E-02	1.91E-02
14	486223.61, 3854986.51	0.26626	0.51366	0.25335	4.09E-03	3.74E-05	6.79E-03	0.010918	4.17E-03	3.68E-05	7.56E-03	1.18E-02	3.97E-03	4.67E-05	1.45E-02	1.85E-02
15	486273.61, 3854986.51	0.2576	0.4921	0.24563	3.95E-03	3.58E-05	6.59E-03	0.010577	4.04E-03	3.53E-05	7.33E-03	1.14E-02	3.84E-03	4.48E-05	1.41E-02	1.80E-02
16	486323.61, 3854986.51	0.25589	0.48288	0.24425	3.93E-03	3.51E-05	6.55E-03	0.010513	4.01E-03	3.46E-05	7.29E-03	1.13E-02	3.81E-03	4.39E-05	1.40E-02	1.78E-02
17	485973.61, 3855036.51	0.32842	0.63671	0.30807	5.04E-03	4.63E-05	8.26E-03	0.013349	5.15E-03	4.56E-05	9.19E-03	1.44E-02	4.89E-03	5.79E-05	1.76E-02	2.26E-02
18	486023.61, 3855036.51	0.3183	0.61018	0.2992	4.88E-03	4.44E-05	8.02E-03	0.012953	4.99E-03	4.37E-05	8.93E-03	1.40E-02	4.74E-03	5.55E-05	1.71E-02	2.19E-02
19	486073.61, 3855036.51	0.30647	0.58142	0.2887	4.70E-03	4.23E-05	7.74E-03	0.012488	4.81E-03	4.17E-05	8.61E-03	1.35E-02	4.57E-03	5.29E-05	1.65E-02	2.12E-02
20	486123.61, 3855036.51	0.29737	0.55816	0.28071	4.56E-03	4.06E-05	7.53E-03	0.012133	4.66E-03	4.00E-05	8.37E-03	1.31E-02	4.43E-03	5.08E-05	1.61E-02	2.06E-02
21	486173.61, 3855036.51	0.29172	0.54137	0.27589	4.48E-03	3.94E-05	7.40E-03	0.011915	4.57E-03	3.88E-05	8.23E-03	1.28E-02	4.35E-03	4.92E-05	1.58E-02	2.02E-02
22	486223.61, 3855036.51	0.28136	0.5172	0.26666	4.32E-03	3.76E-05	7.15E-03	0.011507	4.41E-03	3.71E-05	7.96E-03	1.24E-02	4.19E-03	4.70E-05	1.53E-02	1.95E-02
23	486273.61, 3855036.51	0.27705	0.50367	0.26302	4.25E-03	3.67E-05	7.05E-03	0.011342	4.34E-03	3.61E-05	7.85E-03	1.22E-02	4.13E-03	4.58E-05	1.51E-02	1.92E-02
24	486323.61, 3855036.51	0.26949	0.48516	0.25632	4.14E-03	3.53E-05	6.87E-03	0.011045	4.23E-03	3.48E-05	7.65E-03	1.19E-02	4.01E-03	4.41E-05	1.47E-02	1.87E-02
25	485973.61, 3855086.51	0.35009	0.64167	0.32718	5.37E-03	4.67E-05	8.78E-03	0.014194	5.49E-03	4.60E-05	9.76E-03	1.53E-02	5.22E-03	5.84E-05	1.87E-02	2.40E-02
26	486023.61, 3855086.51	0.34069	0.61764	0.31909	5.23E-03	4.50E-05	8.56E-03	0.013831	5.34E-03	4.43E-05	9.52E-03	1.49E-02	5.08E-03	5.62E-05	1.83E-02	2.34E-02
27	486073.61, 3855086.51	0.32729	0.5876	0.30718	5.02E-03	4.28E-05	8.24E-03	0.013304	5.13E-03	4.21E-05	9.16E-03	1.43E-02	4.88E-03	5.34E-05	1.76E-02	2.25E-02
28	486123.61, 3855086.51	0.31908	0.56691	0.30011	4.90E-03	4.13E-05	8.05E-03	0.012987	5.00E-03	4.06E-05	8.95E-03	1.40E-02	4.75E-03	5.16E-05	1.72E-02	2.20E-02
29	486173.61, 3855086.51	0.30791	0.54194	0.29022	4.72E-03	3.94E-05	7.78E-03	0.012548	4.83E-03	3.88E-05	8.66E-03	1.35E-02	4.59E-03	4.93E-05	1.66E-02	2.13E-02
30	486223.61, 3855086.51	0.3003	0.52334	0.28363	4.61E-03	3.81E-05	7.61E-03	0.012253	4.71E-03	3.75E-05	8.46E-03	1.32E-02	4.47E-03	4.76E-05	1.62E-02	2.08E-02
31	485973.61, 3855136.51	0.37534	0.64728	0.34993	5.76E-03	4.71E-05	9.39E-03	0.015192	5.88E-03	4.64E-05	1.04E-02	1.64E-02	5.59E-03	5.89E-05	2.00E-02	2.57E-02
32	486023.61, 3855136.51	0.36283	0.61966	0.33896	5.57E-03	4.51E-05	9.09E-03	0.014704	5.69E-03	4.44E-05	1.01E-02	1.58E-02	5.41E-03	5.64E-05	1.94E-02	2.49E-02
33	486073.61, 3855136.51	0.35039	0.59289	0.32801	5.38E-03	4.32E-05	8.80E-03	0.014217	5.49E-03	4.25E-05	9.79E-03	1.53E-02	5.22E-03	5.39E-05	1.88E-02	2.41E-02
34	486123.61, 3855136.51	0.33962	0.56941	0.31861	5.21E-03	4.14E-05	8.55E-03	0.013798	5.32E-03	4.08E-05	9.50E-03	1.49E-02	5.06E-03	5.18E-05	1.83E-02	2.34E-02
35	486173.61, 3855136.51	0.32841	0.5458	0.30874	5.04E-03	3.97E-05	8.28E-03	0.01336	5.15E-03	3.91E-05	9.21E-03	1.44E-02	4.89E-03	4.96E-05	1.77E-02	2.26E-02
36	486223.61, 3855136.51	0.31866	0.52499	0.30021	4.89E-03	3.82E-05	8.05E-03	0.01298	5.00E-03	3.76E-05	8.96E-03	1.40E-02	4.75E-03	4.78E-05	1.72E-02	2.20E-02
37	485973.61, 3855186.51	0.40141	0.64903	0.37387	6.16E-03	4.72E-05	1.00E-02	0.016234	6.29E-03	4.65E-05	1.12E-02	1.75E-02	5.98E-03	5.90E-05	2.14E-02	2.75E-02
38	486023.61, 3855186.51	0.38828	0.62236	0.36235	5.96E-03	4.53E-05	9.72E-03	0.015722	6.09E-03	4.46E-05	1.08E-02	1.69E-02	5.78E-03	5.66E-05	2.08E-02	2.66E-02
39	486073.61, 3855186.51	0.37267	0.59257	0.34835	5.72E-03	4.31E-05	9.34E-03	0.015105	5.84E-03	4.25E-05	1.04E-02	1.63E-02	5.55E-03	5.39E-05	2.00E-02	2.56E-02
40	486123.61, 3855186.51	0.35826	0.56528	0.3355	5.50E-03	4.11E-05	9.00E-03	0.014537	5.62E-03	4.05E-05	1.00E-02	1.57E-02	5.34E-03	5.14E-05	1.92E-02	2.46E-02
41	486173.61, 3855186.51	0.34708	0.54334	0.32573	5.33E-03	3.96E-05	8.74E-03	0.014102	5.44E-03	3.89E-05	9.72E-03	1.52E-02	5.17E-03	4.94E-05	1.87E-02	2.39E-02
42	486223.61, 3855186.51	0.33649	0.52273	0.31646	5.16E-03	3.81E-05	8.49E-03	0.013689	5.28E-03	3.75E-05	9.44E-03	1.48E-02	5.01E-03	4.75E-05	1.81E-02	2.32E-02
43	486273.61, 3855186.51	0.32567	0.50219	0.30692	5.00E-03	3.66E-05	8.23E-03	0.013266	5.11E-03	3.60E-05	9.16E-03	1.43E-02	4.85E-03	4.57E-05	1.76E-02	2.25E-02
44	486323.61, 3855186.51	0.32378	0.49496	0.30589	4.97E-03	3.60E-05	8.20E-03	0.013209	5.08E-03	3.55E-05	9.13E-03	1.42E-02	4.82E-03	4.50E-05	1.75E-02	2.24E-02
45	485973.61, 3855236.51	0.42736	0.64581	0.39817	6.56E-03	4.70E-05	1.07E-02	0.017284	6.70E-03	4.63E-05	1.19E-02	1.86E-02	6.37E-03	5.87E-05	2.28E-02	2.92E-02
46	486023.61, 3855236.51	0.4101	0.61526	0.38255	6.29E-03	4.48E-05	1.03E-02	0.016598	6.43E-03	4.41E-05	1.14E-02	1.79E-02	6.11E-03	5.60E-05	2.19E-02	2.81E-02
47	486073.61, 3855236.51	0.39301	0.58564	0.3671	6.03E-03	4.26E-05	9.85E-03	0.015919	6.16E-03	4.20E-05	1.10E-02	1.72E-02	5.85E-03	5.33E-05	2.10E-02	2.69E-02
48	486123.61, 3855236.51	0.37955	0.56184	0.35522	5.82E-03	4.09E-05	9.53E-03	0.015392	5.95E-03	4.03E-05	1.06E-02	1.66E-02	5.65E-03	5.11E-05	2.03E-02	2.61E-02
49	486173.61, 3855236.51	0.36733	0.54019	0.34449	5.64E-03	3.93E-05	9.24E-03	0.014915	5.76E-03	3.87E-05	1.03E-02	1.61E-02	5.47E-03	4.91E-05	1.97E-02	2.53E-02
50	486223.61, 3855236.51	0.35496	0.51869	0.33355	5.45E-03	3.78E-05	8.95E-03	0.014431	5.57E-03	3.72E-05	9.95E-03	1.56E-02	5.29E-03	4.72E-05	1.91E-02	2.44E-02
51	486273.61, 3855236.51	0.33934	0.49306	0.31943	5.21E-03	3.59E-05	8.57E-03	0.01381	5.32E-03	3.53E-05	9.53E-03	1.49E-02	5.06E-03	4.48E-05	1.83E-02	2.34E-02
52	486323.61, 3855236.51	0.34115	0.4918	0.32212	5.24E-03	3.58E-05	8.64E-03	0.01391	5.35E-03	3.52E-05	9.61E-03	1.50E-02	5.08E-03	4.47E-05	1.85E-02	2.36E-02
53	485973.61, 3855286.51	0.45314	0.6379	0.42282	6.95E-03	4.64E-05	1.13E-02	0.01834	7.10E-03	4.57E-05	1.26E-02	1.98E-02	6.75E-03	5.80E-05	2.42E-02	3.10E-02

54	486023.61, 3855286.51	0.43352	0.60682	0.40476	6.65E-03	4.42E-05	1.09E-02	0.017552	6.80E-03	4.35E-05	1.21E-02	1.89E-02	6.46E-03	5.52E-05	2.32E-02	2.97E-02
55	486073.61, 3855286.51	0.41674	0.58023	0.38962	6.39E-03	4.22E-05	1.04E-02	0.016887	6.53E-03	4.16E-05	1.16E-02	1.82E-02	6.21E-03	5.28E-05	2.23E-02	2.86E-02
56	486123.61, 3855286.51	0.40001	0.55413	0.37449	6.14E-03	4.03E-05	1.00E-02	0.016223	6.27E-03	3.97E-05	1.12E-02	1.75E-02	5.96E-03	5.04E-05	2.15E-02	2.75E-02
57	486173.61, 3855286.51	0.38529	0.5311	0.36133	5.91E-03	3.87E-05	9.69E-03	0.015642	6.04E-03	3.81E-05	1.08E-02	1.69E-02	5.74E-03	4.83E-05	2.07E-02	2.65E-02
58	486223.61, 3855286.51	0.37382	0.51268	0.35131	5.74E-03	3.73E-05	9.42E-03	0.015196	5.86E-03	3.67E-05	1.05E-02	1.64E-02	5.57E-03	4.66E-05	2.01E-02	2.57E-02
59	486123.61, 3855336.51	0.42069	0.54382	0.39435	6.46E-03	3.96E-05	1.06E-02	0.017072	6.60E-03	3.90E-05	1.18E-02	1.84E-02	6.27E-03	4.95E-05	2.26E-02	2.89E-02
60	486173.61, 3855336.51	0.40678	0.52408	0.38202	6.24E-03	3.81E-05	1.02E-02	0.016526	6.38E-03	3.76E-05	1.14E-02	1.78E-02	6.06E-03	4.77E-05	2.19E-02	2.80E-02
61	486223.61, 3855336.51	0.3928	0.5044	0.36955	6.03E-03	3.67E-05	9.91E-03	0.015976	6.16E-03	3.61E-05	1.10E-02	1.72E-02	5.85E-03	4.59E-05	2.12E-02	2.71E-02
62	486123.61, 3855386.51	0.44271	0.53236	0.41605	6.79E-03	3.88E-05	1.12E-02	0.017991	6.94E-03	3.81E-05	1.24E-02	1.94E-02	6.60E-03	4.84E-05	2.38E-02	3.05E-02
63	486173.61, 3855386.51	0.42761	0.51346	0.4025	6.56E-03	3.74E-05	1.08E-02	0.017394	6.70E-03	3.68E-05	1.20E-02	1.87E-02	6.37E-03	4.67E-05	2.31E-02	2.95E-02
64	486223.61, 3855386.51	0.41397	0.49633	0.39037	6.35E-03	3.61E-05	1.05E-02	0.016858	6.49E-03	3.56E-05	1.16E-02	1.82E-02	6.17E-03	4.51E-05	2.24E-02	2.86E-02
65	486533.18, 3855443.15	0.3688	0.4066	0.35298	5.66E-03	2.96E-05	9.47E-03	0.015156	5.78E-03	2.91E-05	1.05E-02	1.63E-02	5.49E-03	3.70E-05	2.02E-02	2.58E-02
66	486583.18, 3855443.15	0.35856	0.39445	0.34371	5.50E-03	2.87E-05	9.22E-03	0.014749	5.62E-03	2.83E-05	1.03E-02	1.59E-02	5.34E-03	3.59E-05	1.97E-02	2.51E-02
67	486633.18, 3855443.15	0.34882	0.38277	0.3349	5.35E-03	2.79E-05	8.98E-03	0.014363	5.47E-03	2.74E-05	9.99E-03	1.55E-02	5.20E-03	3.48E-05	1.92E-02	2.44E-02
68	486683.18, 3855443.15	0.3417	0.37386	0.32869	5.24E-03	2.72E-05	8.82E-03	0.014086	5.36E-03	2.68E-05	9.81E-03	1.52E-02	5.09E-03	3.40E-05	1.88E-02	2.40E-02
69	486533.18, 3855493.15	0.38456	0.39796	0.36922	5.90E-03	2.90E-05	9.90E-03	0.015833	6.03E-03	2.85E-05	1.10E-02	1.71E-02	5.73E-03	3.62E-05	2.12E-02	2.69E-02
70	486583.18, 3855493.15	0.37457	0.3874	0.36019	5.75E-03	2.82E-05	9.66E-03	0.015437	5.87E-03	2.78E-05	1.07E-02	1.66E-02	5.58E-03	3.52E-05	2.06E-02	2.62E-02
71	486633.18, 3855493.15	0.36447	0.37656	0.35099	5.59E-03	2.74E-05	9.41E-03	0.015034	5.71E-03	2.70E-05	1.05E-02	1.62E-02	5.43E-03	3.43E-05	2.01E-02	2.56E-02
72	486683.18, 3855493.15	0.35499	0.36624	0.34236	5.45E-03	2.67E-05	9.18E-03	0.014656	5.57E-03	2.62E-05	1.02E-02	1.58E-02	5.29E-03	3.33E-05	1.96E-02	2.49E-02
73	486533.18, 3855543.15	0.40207	0.38948	0.38762	6.17E-03	2.84E-05	1.04E-02	0.016594	6.30E-03	2.79E-05	1.16E-02	1.79E-02	5.99E-03	3.54E-05	2.22E-02	2.82E-02
74	486583.18, 3855543.15	0.38856	0.3768	0.37489	5.96E-03	2.74E-05	1.01E-02	0.016045	6.09E-03	2.70E-05	1.12E-02	1.73E-02	5.79E-03	3.43E-05	2.15E-02	2.73E-02
75	486633.18, 3855543.15	0.37865	0.3674	0.36586	5.81E-03	2.67E-05	9.81E-03	0.01565	5.94E-03	2.63E-05	1.09E-02	1.69E-02	5.64E-03	3.34E-05	2.10E-02	2.66E-02
76	486683.18, 3855543.15	0.36605	0.3552	0.35397	5.62E-03	2.59E-05	9.49E-03	0.015137	5.74E-03	2.55E-05	1.06E-02	1.63E-02	5.45E-03	3.23E-05	2.03E-02	2.58E-02
77	486533.18, 3855593.15	0.4181	0.37806	0.4048	6.42E-03	2.75E-05	1.09E-02	0.0173	6.56E-03	2.71E-05	1.21E-02	1.87E-02	6.23E-03	3.44E-05	2.32E-02	2.95E-02
78	486583.18, 3855593.15	0.40502	0.36723	0.39246	6.22E-03	2.67E-05	1.05E-02	0.016768	6.35E-03	2.63E-05	1.17E-02	1.81E-02	6.03E-03	3.34E-05	2.25E-02	2.85E-02
79	486633.18, 3855593.15	0.39333	0.35741	0.38153	6.04E-03	2.60E-05	1.02E-02	0.016295	6.17E-03	2.56E-05	1.14E-02	1.76E-02	5.86E-03	3.25E-05	2.19E-02	2.77E-02
80	486683.18, 3855593.15	0.38363	0.34916	0.37262	5.89E-03	2.54E-05	9.99E-03	0.015906	6.01E-03	2.50E-05	1.11E-02	1.72E-02	5.71E-03	3.18E-05	2.13E-02	2.71E-02
81	486533.18, 3855643.15	0.43519	0.36643	0.42346	6.68E-03	2.67E-05	1.14E-02	0.018062	6.82E-03	2.63E-05	1.26E-02	1.95E-02	6.48E-03	3.33E-05	2.43E-02	3.08E-02
82	486583.18, 3855643.15	0.42204	0.35691	0.41096	6.48E-03	2.60E-05	1.10E-02	0.017524	6.62E-03	2.56E-05	1.23E-02	1.89E-02	6.29E-03	3.25E-05	2.35E-02	2.99E-02
83	486633.18, 3855643.15	0.40949	0.34758	0.39905	6.28E-03	2.53E-05	1.07E-02	0.017012	6.42E-03	2.49E-05	1.19E-02	1.83E-02	6.10E-03	3.16E-05	2.29E-02	2.90E-02
84	486683.18, 3855643.15	0.39831	0.33914	0.38854	6.11E-03	2.47E-05	1.04E-02	0.016558	6.25E-03	2.43E-05	1.16E-02	1.79E-02	5.93E-03	3.08E-05	2.23E-02	2.82E-02
85	486533.18, 3855693.15	0.45484	0.35592	0.44523	6.98E-03	2.59E-05	1.19E-02	0.018947	7.13E-03	2.55E-05	1.33E-02	2.04E-02	6.78E-03	3.24E-05	2.55E-02	3.23E-02
86	486583.18, 3855693.15	0.43775	0.34457	0.42838	6.72E-03	2.51E-05	1.15E-02	0.018232	6.86E-03	2.47E-05	1.28E-02	1.97E-02	6.52E-03	3.13E-05	2.45E-02	3.11E-02
87	486633.18, 3855693.15	0.42123	0.33326	0.41214	6.46E-03	2.43E-05	1.11E-02	0.017542	6.60E-03	2.39E-05	1.23E-02	1.89E-02	6.28E-03	3.03E-05	2.36E-02	2.99E-02
88	486683.18, 3855693.15	0.41315	0.32838	0.4049	6.34E-03	2.39E-05	1.09E-02	0.017223	6.48E-03	2.35E-05	1.21E-02	1.86E-02	6.15E-03	2.99E-05	2.32E-02	2.94E-02
89	486733.18, 3855693.15	0.40841	0.3259	0.40117	6.27E-03	2.37E-05	1.08E-02	0.01705	6.40E-03	2.34E-05	1.20E-02	1.84E-02	6.08E-03	2.96E-05	2.30E-02	2.91E-02
90	486783.18, 3855693.15	0.40543	0.32455	0.39929	6.22E-03	2.36E-05	1.07E-02	0.016954	6.36E-03	2.33E-05	1.19E-02	1.83E-02	6.04E-03	2.95E-05	2.29E-02	2.89E-02
91	486533.18, 3855743.15	0.47265	0.34323	0.46535	7.25E-03	2.50E-05	1.25E-02	0.019759	7.41E-03	2.46E-05	1.39E-02	2.13E-02	7.04E-03	3.12E-05	2.67E-02	3.37E-02
92	486583.18, 3855743.15	0.45198	0.33066	0.44448	6.94E-03	2.41E-05	1.19E-02	0.018881	7.09E-03	2.37E-05	1.33E-02	2.04E-02	6.73E-03	3.01E-05	2.55E-02	3.22E-02
93	486633.18, 3855743.15	0.43742	0.32211	0.43025	6.71E-03	2.34E-05	1.15E-02	0.018275	6.86E-03	2.31E-05	1.28E-02	1.97E-02	6.52E-03	2.93E-05	2.46E-02	3.12E-02
94	486683.18, 3855743.15	0.43103	0.31932	0.42482	6.61E-03	2.32E-05	1.14E-02	0.018031	6.76E-03	2.29E-05	1.27E-02	1.95E-02	6.42E-03	2.90E-05	2.43E-02	3.08E-02
95	486733.18, 3855743.15	0.42232	0.31449	0.41679	6.48E-03	2.29E-05	1.12E-02	0.017682	6.62E-03	2.25E-05	1.24E-02	1.91E-02	6.29E-03	2.86E-05	2.39E-02	3.02E-02
96	486783.18, 3855743.15	0.42112	0.31497	0.41687	6.46E-03	2.29E-05	1.12E-02	0.017666	6.60E-03	2.26E-05	1.24E-02	1.91E-02	6.27E-03	2.87E-05	2.39E-02	3.02E-02
97	486533.18, 3855793.15	0.49148	0.33104	0.4869	7.54E-03	2.41E-05	1.31E-02	0.020625	7.71E-03	2.37E-05	1.45E-02	2.23E-02	7.32E-03	3.01E-05	2.79E-02	3.52E-02
98	486583.18, 3855793.15	0.46492	0.3159	0.4594	7.13E-03	2.30E-05	1.23E-02	0.019479	7.29E-03	2.26E-05	1.37E-02	2.10E-02	6.93E-03	2.87E-05	2.63E-02	3.33E-02
99	486633.18, 3855793.15	0.45732	0.31325	0.4527	7.02E-03	2.28E-05	1.21E-02	0.019182	7.17E-03	2.24E-05	1.35E-02	2.07E-02	6.81E-03	2.85E-05	2.59E-02	3.28E-02
100	486683.18, 3855793.15	0.45073	0.31096	0.44704	6.92E-03	2.26E-05	1.20E-02	0.018929	7.07E-03	2.23E-05	1.33E-02	2.04E-02	6.71E-03	2.83E-05	2.56E-02	3.24E-02
101	486733.18, 3855793.15	0.44266	0.30732	0.43968	6.79E-03	2.24E-05	1.18E-02	0.018607	6.94E-03	2.20E-05	1.31E-02	2.01E-02	6.59E-03	2.80E-05	2.52E-02	3.18E-02
102	486783.18, 3855793.15	0.4361	0.3044	0.43389	6.69E-03	2.22E-05	1.16E-02	0.018351	6.84E-03	2.18E-05	1.29E-02	1.98E-02	6.50E-03	2.77E-05	2.49E-02	3.14E-02
103	486533.18, 3855843.15	0.50599	0.31621	0.50391	7.76E-03	2.30E-05	1.35E-02	0.021303	7.93E-03	2.27E-05	1.50E-02	2.30E-02	7.54E-03	2.88E-05	2.89E-02	3.64E-02
104	486583.18, 3855843.15	0.48363	0.30532	0.4809	7.42E-03	2.22E-05	1.29E-02	0.020342	7.58E-03	2.19E-05	1.43E-02	2.20E-02	7.20E-03	2.78E-05	2.75E-02	3.48E-02
105	486633.18, 3855843.15	0.47593	0.30323	0.47404	7.30E-03	2.21E-05	1.27E-02	0.020039	7.46E-03	2.17E-05	1.41E-02	2.16E-02	7.09E-03	2.76E-05	2.72E-02	3.43E-02
106	486683.18, 3855843.15	0.46874	0.30111	0.46771	7.19E-03	2.19E-05	1.25E-02	0.019759	7.35E-03	2.16E-05	1.40E-02	2.13E-02	6.98E-03	2.74E-05	2.68E-02	3.38E-02
107	486733.18, 3855843.15	0.46172	0.29876	0.46147	7.09E-03	2.17E-05	1.24E-02	0.019484	7.24E-03	2.14E-05	1.38E-02	2.10E-02	6.88E-03	2.72E-05	2.64E-02	3.33E-02
108	486783.18, 3855843.15	0.45405	0.29564	0.45443	6.97E-03	2.15E-05	1.22E-02	0.019177	7.12E-03	2.12E-05	1.36E-02	2.07E-02	6.76E-03	2.69E-05	2.60E-02	3.28E-02
109	486533.18, 3855893.15	0.51464	0.29874	0.51463	7.90E-03	2.17E-05	1.38E-02	0.021722	8.07E-03	2.14E-05	1.54E-02	2.34E-02	7.67E-03	2.72E-05	2.95E-02	3.72E-02
110	486583.18, 3855893.15	0.50492	0.29646	0.50554	7.75E-03	2.16E-05	1.36E-02	0.021328	7.92E-03	2.12E-05	1.51E-02	2.30E-02	7.52E-03	2.70E-05	2.90E-02	3.65E-02

111	486633.18, 3855893.15	0.495	0.29359	0.49617	7.60E-03	2.14E-05	1.33E-02	0.020925	7.76E-03	2.10E-05	1.48E-02	2.26E-02	7.37E-03	2.67E-05	2.84E-02	3.58E-02
112	486683.18, 3855893.15	0.48718	0.29158	0.48907	7.48E-03	2.12E-05	1.31E-02	0.020614	7.64E-03	2.09E-05	1.46E-02	2.22E-02	7.26E-03	2.65E-05	2.80E-02	3.53E-02
113	486733.18, 3855893.15	0.47964	0.28937	0.48222	7.36E-03	2.11E-05	1.29E-02	0.020315	7.52E-03	2.07E-05	1.44E-02	2.19E-02	7.15E-03	2.63E-05	2.76E-02	3.48E-02
114	486783.18, 3855893.15	0.47368	0.28774	0.47703	7.27E-03	2.09E-05	1.28E-02	0.020084	7.43E-03	2.06E-05	1.42E-02	2.17E-02	7.06E-03	2.62E-05	2.73E-02	3.44E-02
115	486533.18, 3855943.15	0.53263	0.28768	0.53593	8.17E-03	2.09E-05	1.44E-02	0.022568	8.35E-03	2.06E-05	1.60E-02	2.44E-02	7.93E-03	2.62E-05	3.07E-02	3.87E-02
116	486583.18, 3855943.15	0.52705	0.28821	0.53138	8.09E-03	2.10E-05	1.43E-02	0.022361	8.26E-03	2.07E-05	1.59E-02	2.41E-02	7.85E-03	2.62E-05	3.04E-02	3.83E-02
117	486633.18, 3855943.15	0.51489	0.28468	0.51942	7.90E-03	2.07E-05	1.39E-02	0.021853	8.07E-03	2.04E-05	1.55E-02	2.36E-02	7.67E-03	2.59E-05	2.98E-02	3.75E-02
118	486683.18, 3855943.15	0.50811	0.28367	0.51343	7.80E-03	2.06E-05	1.38E-02	0.021588	7.97E-03	2.03E-05	1.53E-02	2.33E-02	7.57E-03	2.58E-05	2.94E-02	3.70E-02
119	486733.18, 3855943.15	0.49839	0.28065	0.50405	7.65E-03	2.04E-05	1.35E-02	0.021187	7.81E-03	2.01E-05	1.50E-02	2.29E-02	7.42E-03	2.55E-05	2.89E-02	3.63E-02
120	486783.18, 3855943.15	0.49268	0.27947	0.49908	7.56E-03	2.03E-05	1.34E-02	0.020966	7.72E-03	2.00E-05	1.49E-02	2.26E-02	7.34E-03	2.54E-05	2.86E-02	3.60E-02
121	486533.18, 3855993.15	0.55562	0.27974	0.56303	8.53E-03	2.04E-05	1.51E-02	0.023647	8.71E-03	2.00E-05	1.68E-02	2.55E-02	8.28E-03	2.54E-05	3.23E-02	4.06E-02
122	486583.18, 3855993.15	0.54595	0.27857	0.55382	8.38E-03	2.03E-05	1.49E-02	0.023252	8.56E-03	2.00E-05	1.65E-02	2.51E-02	8.13E-03	2.53E-05	3.17E-02	3.99E-02
123	486633.18, 3855993.15	0.53572	0.27659	0.54391	8.22E-03	2.01E-05	1.46E-02	0.022829	8.40E-03	1.98E-05	1.62E-02	2.46E-02	7.98E-03	2.52E-05	3.12E-02	3.92E-02
124	486683.18, 3855993.15	0.52819	0.27552	0.53698	8.11E-03	2.01E-05	1.44E-02	0.022527	8.28E-03	1.97E-05	1.60E-02	2.43E-02	7.87E-03	2.51E-05	3.08E-02	3.87E-02
125	486733.18, 3855993.15	0.51866	0.27301	0.52773	7.96E-03	1.99E-05	1.42E-02	0.022133	8.13E-03	1.96E-05	1.57E-02	2.39E-02	7.73E-03	2.48E-05	3.02E-02	3.80E-02
126	486783.18, 3855993.15	0.51094	0.27103	0.52042	7.84E-03	1.97E-05	1.40E-02	0.021818	8.01E-03	1.94E-05	1.55E-02	2.36E-02	7.61E-03	2.47E-05	2.98E-02	3.74E-02
127	486533.18, 3856043.15	0.57794	0.2718	0.58959	8.87E-03	1.98E-05	1.58E-02	0.024701	9.06E-03	1.95E-05	1.76E-02	2.67E-02	8.61E-03	2.47E-05	3.38E-02	4.24E-02
128	486583.18, 3856043.15	0.56932	0.27156	0.58144	8.74E-03	1.98E-05	1.56E-02	0.024351	8.93E-03	1.95E-05	1.73E-02	2.63E-02	8.48E-03	2.47E-05	3.33E-02	4.18E-02
129	486633.18, 3856043.15	0.55708	0.26909	0.56916	8.55E-03	1.96E-05	1.53E-02	0.023833	8.73E-03	1.93E-05	1.70E-02	2.57E-02	8.30E-03	2.45E-05	3.26E-02	4.09E-02
130	486683.18, 3856043.15	0.54979	0.26842	0.56238	8.44E-03	1.95E-05	1.51E-02	0.023539	8.62E-03	1.92E-05	1.68E-02	2.54E-02	8.19E-03	2.44E-05	3.22E-02	4.04E-02
131	486733.18, 3856043.15	0.53874	0.26554	0.5513	8.27E-03	1.93E-05	1.48E-02	0.023073	8.45E-03	1.90E-05	1.64E-02	2.49E-02	8.03E-03	2.42E-05	3.16E-02	3.96E-02
132	486783.18, 3856043.15	0.53272	0.26461	0.54578	8.17E-03	1.93E-05	1.46E-02	0.022832	8.35E-03	1.90E-05	1.63E-02	2.47E-02	7.94E-03	2.41E-05	3.13E-02	3.92E-02
133	486533.18, 3856093.15	0.60412	0.26593	0.62065	9.27E-03	1.94E-05	1.66E-02	0.025936	9.47E-03	1.91E-05	1.85E-02	2.80E-02	9.00E-03	2.42E-05	3.56E-02	4.46E-02
134	486583.18, 3856093.15	0.59219	0.26463	0.60863	9.09E-03	1.93E-05	1.63E-02	0.02543	9.28E-03	1.90E-05	1.82E-02	2.75E-02	8.82E-03	2.41E-05	3.49E-02	4.37E-02
135	486633.18, 3856093.15	0.58031	0.26277	0.59661	8.90E-03	1.91E-05	1.60E-02	0.024925	9.10E-03	1.88E-05	1.78E-02	2.69E-02	8.64E-03	2.39E-05	3.42E-02	4.28E-02
136	486683.18, 3856093.15	0.57138	0.26162	0.58783	8.77E-03	1.90E-05	1.58E-02	0.024553	8.96E-03	1.87E-05	1.75E-02	2.65E-02	8.51E-03	2.38E-05	3.37E-02	4.22E-02
137	486733.18, 3856093.15	0.56083	0.2593	0.57718	8.61E-03	1.89E-05	1.55E-02	0.024105	8.79E-03	1.86E-05	1.72E-02	2.60E-02	8.35E-03	2.36E-05	3.31E-02	4.14E-02
138	486783.18, 3856093.15	0.553	0.25773	0.56972	8.49E-03	1.88E-05	1.53E-02	0.023785	8.67E-03	1.85E-05	1.70E-02	2.57E-02	8.24E-03	2.34E-05	3.26E-02	4.09E-02
139	486533.18, 3856143.15	0.62898	0.25981	0.65034	9.65E-03	1.89E-05	1.74E-02	0.027113	9.86E-03	1.86E-05	1.94E-02	2.93E-02	9.37E-03	2.36E-05	3.73E-02	4.66E-02
140	486583.18, 3856143.15	0.61421	0.2578	0.63495	9.43E-03	1.88E-05	1.70E-02	0.026474	9.63E-03	1.85E-05	1.89E-02	2.86E-02	9.15E-03	2.34E-05	3.64E-02	4.55E-02
141	486633.18, 3856143.15	0.60414	0.25702	0.62478	9.27E-03	1.87E-05	1.68E-02	0.026046	9.47E-03	1.84E-05	1.86E-02	2.81E-02	9.00E-03	2.34E-05	3.58E-02	4.48E-02
142	486683.18, 3856143.15	0.5934	0.25539	0.61381	9.11E-03	1.86E-05	1.65E-02	0.025587	9.30E-03	1.83E-05	1.83E-02	2.76E-02	8.84E-03	2.32E-05	3.52E-02	4.40E-02
143	486733.18, 3856143.15	0.58319	0.25345	0.6034	8.95E-03	1.84E-05	1.62E-02	0.025151	9.14E-03	1.82E-05	1.80E-02	2.72E-02	8.69E-03	2.31E-05	3.46E-02	4.33E-02
144	486783.18, 3856143.15	0.57744	0.25289	0.5979	8.86E-03	1.84E-05	1.60E-02	0.024915	9.05E-03	1.81E-05	1.78E-02	2.69E-02	8.60E-03	2.30E-05	3.43E-02	4.29E-02
145	486533.18, 3856193.15	0.65744	0.25539	0.68415	1.01E-02	1.86E-05	1.83E-02	0.028456	1.03E-02	1.83E-05	2.04E-02	3.07E-02	9.79E-03	2.32E-05	3.92E-02	4.90E-02
146	486583.18, 3856193.15	0.63971	0.25277	0.6652	9.82E-03	1.84E-05	1.78E-02	0.027676	1.00E-02	1.81E-05	1.98E-02	2.99E-02	9.53E-03	2.30E-05	3.81E-02	4.77E-02
147	486633.18, 3856193.15	0.62864	0.25191	0.65371	9.65E-03	1.83E-05	1.75E-02	0.027198	9.86E-03	1.80E-05	1.95E-02	2.94E-02	9.36E-03	2.29E-05	3.74E-02	4.68E-02
148	486683.18, 3856193.15	0.6206	0.25154	0.64558	9.52E-03	1.83E-05	1.73E-02	0.026856	9.73E-03	1.80E-05	1.93E-02	2.90E-02	9.25E-03	2.29E-05	3.70E-02	4.62E-02
149	486733.18, 3856193.15	0.60813	0.24896	0.63246	9.33E-03	1.81E-05	1.70E-02	0.026313	9.53E-03	1.78E-05	1.89E-02	2.84E-02	9.06E-03	2.26E-05	3.62E-02	4.53E-02
150	486783.18, 3856193.15	0.60171	0.2482	0.62608	9.23E-03	1.81E-05	1.68E-02	0.026043	9.43E-03	1.78E-05	1.87E-02	2.81E-02	8.96E-03	2.26E-05	3.59E-02	4.49E-02
151	486533.18, 3856243.15	0.68542	0.25094	0.71745	1.05E-02	1.83E-05	1.92E-02	0.029779	1.07E-02	1.80E-05	2.14E-02	3.22E-02	1.02E-02	2.28E-05	4.11E-02	5.13E-02
152	486583.18, 3856243.15	0.67009	0.24971	0.70093	1.03E-02	1.82E-05	1.88E-02	0.0291	1.05E-02	1.79E-05	2.09E-02	3.14E-02	9.98E-03	2.27E-05	4.02E-02	5.02E-02
153	486633.18, 3856243.15	0.65631	0.24829	0.68615	1.01E-02	1.81E-05	1.84E-02	0.028492	1.03E-02	1.78E-05	2.05E-02	3.08E-02	9.78E-03	2.26E-05	3.93E-02	4.91E-02
154	486683.18, 3856243.15	0.64521	0.24705	0.67438	9.90E-03	1.80E-05	1.81E-02	0.028006	1.01E-02	1.77E-05	2.01E-02	3.03E-02	9.61E-03	2.25E-05	3.86E-02	4.83E-02
155	486733.18, 3856243.15	0.63614	0.24588	0.66489	9.76E-03	1.79E-05	1.78E-02	0.027612	9.97E-03	1.76E-05	1.98E-02	2.98E-02	9.48E-03	2.24E-05	3.81E-02	4.76E-02
156	486783.18, 3856243.15	0.62528	0.24361	0.65338	9.60E-03	1.77E-05	1.75E-02	0.027137	9.80E-03	1.75E-05	1.95E-02	2.93E-02	9.31E-03	2.22E-05	3.74E-02	4.68E-02
157	486533.18, 3856293.15	0.7171	0.24759	0.75485	1.10E-02	1.80E-05	2.02E-02	0.031267	1.12E-02	1.77E-05	2.25E-02	3.38E-02	1.07E-02	2.25E-05	4.32E-02	5.39E-02
158	486583.18, 3856293.15	0.69995	0.24642	0.73598	1.07E-02	1.79E-05	1.97E-02	0.030498	1.10E-02	1.77E-05	2.20E-02	3.29E-02	1.04E-02	2.24E-05	4.22E-02	5.26E-02
159	486633.18, 3856293.15	0.68579	0.2454	0.72051	1.05E-02	1.79E-05	1.93E-02	0.029866	1.08E-02	1.76E-05	2.15E-02	3.23E-02	1.02E-02	2.23E-05	4.13E-02	5.15E-02
160	486683.18, 3856293.15	0.67318	0.24402	0.70685	1.03E-02	1.78E-05	1.90E-02	0.029306	1.06E-02	1.75E-05	2.11E-02	3.17E-02	1.00E-02	2.22E-05	4.05E-02	5.05E-02
161	486733.18, 3856293.15	0.66449	0.24317	0.69759	1.02E-02	1.77E-05	1.87E-02	0.028924	1.04E-02	1.74E-05	2.08E-02	3.12E-02	9.90E-03	2.21E-05	4.00E-02	4.99E-02
162	486783.18, 3856293.15	0.6523	0.24064	0.68443	1.00E-02	1.75E-05	1.84E-02	0.028384	1.02E-02	1.72E-05	2.04E-02	3.07E-02	9.72E-03	2.19E-05	3.92E-02	4.89E-02
163	486783.18, 3856343.15	0.68429	0.23948	0.72077	1.05E-02	1.74E-05	1.93E-02	0.029849	1.07E-02	1.72E-05	2.15E-02	3.22E-02	1.02E-02	2.18E-05	4.13E-02	5.15E-02
164	486833.18, 3856343.15	0.67298	0.23731	0.70839	1.03E-02	1.73E-05	1.90E-02	0.029344	1.06E-02	1.70E-05	2.11E-02	3.17E-02	1.00E-02	2.16E-05	4.06E-02	5.06E-02
165	486883.18, 3856343.15	0.66239	0.23552	0.69683	1.02E-02	1.71E-05	1.87E-02	0.028871	1.04E-02	1.69E-05	2.08E-02	3.12E-02	9.87E-03	2.14E-05	3.99E-02	4.98E-02
166	486783.18, 3856393.15	0.71274	0.23734	0.75296	1.09E-02	1.73E-05	2.02E-02	0.031149	1.12E-02	1.70E-05	2.25E-02	3.37E-02	1.06E-02	2.16E-05	4.31E-02	5.38E-02
167	486833.18, 3856393.15	0.70123	0.23545	0.74023	1.08E-02	1.71E-05	1.99E-02	0.030631	1.10E-02	1.69E-05	2.21E-02	3.31E-02	1.04E-02	2.14E-05	4.24E-02	5.29E-02

168	486883.18, 3856393.15	0.68722	0.23296	0.72477	1.05E-02	1.70E-05	1.94E-02	0.030001	1.08E-02	1.67E-05	2.16E-02	3.24E-02	1.02E-02	2.12E-05	4.15E-02	5.18E-02
169	487208.74, 3856886.11	0.91371	0.34554	0.9818	1.40E-02	2.52E-05	2.63E-02	0.040379	1.43E-02	2.48E-05	2.93E-02	4.36E-02	1.36E-02	3.14E-05	5.62E-02	6.99E-02
170	487258.74, 3856886.11	0.88776	0.35972	0.95329	1.36E-02	2.62E-05	2.56E-02	0.039217	1.39E-02	2.58E-05	2.84E-02	4.24E-02	1.32E-02	3.27E-05	5.46E-02	6.79E-02
171	487308.74, 3856886.11	0.86377	0.37536	0.92712	1.33E-02	2.73E-05	2.49E-02	0.038148	1.35E-02	2.69E-05	2.77E-02	4.12E-02	1.29E-02	3.41E-05	5.31E-02	6.60E-02
172	487358.74, 3856886.11	0.84009	0.39073	0.90114	1.29E-02	2.84E-05	2.42E-02	0.037089	1.32E-02	2.80E-05	2.69E-02	4.01E-02	1.25E-02	3.55E-05	5.16E-02	6.42E-02
173	487208.74, 3856936.11	0.95512	0.40589	1.03055	1.47E-02	2.95E-05	2.76E-02	0.042326	1.50E-02	2.91E-05	3.07E-02	4.57E-02	1.42E-02	3.69E-05	5.90E-02	7.33E-02
174	487258.74, 3856936.11	0.92663	0.42654	0.99913	1.42E-02	3.10E-05	2.68E-02	0.041047	1.45E-02	3.06E-05	2.98E-02	4.44E-02	1.38E-02	3.88E-05	5.72E-02	7.11E-02
175	487308.74, 3856936.11	0.90065	0.448	0.97055	1.38E-02	3.26E-05	2.60E-02	0.039884	1.41E-02	3.21E-05	2.90E-02	4.31E-02	1.34E-02	4.08E-05	5.56E-02	6.91E-02
176	487358.74, 3856936.11	0.87538	0.46835	0.94273	1.34E-02	3.41E-05	2.53E-02	0.038751	1.37E-02	3.36E-05	2.81E-02	4.19E-02	1.30E-02	4.26E-05	5.40E-02	6.71E-02
177	487208.74, 3856986.11	0.99961	0.50239	1.08343	1.53E-02	3.66E-05	2.91E-02	0.044434	1.57E-02	3.60E-05	3.23E-02	4.80E-02	1.49E-02	4.57E-05	6.21E-02	7.70E-02
178	487258.74, 3856986.11	0.96988	0.53157	1.05077	1.49E-02	3.87E-05	2.82E-02	0.043104	1.52E-02	3.81E-05	3.13E-02	4.66E-02	1.44E-02	4.84E-05	6.02E-02	7.47E-02
179	487308.74, 3856986.11	0.93943	0.55619	1.01664	1.44E-02	4.05E-05	2.73E-02	0.041723	1.47E-02	3.99E-05	3.03E-02	4.51E-02	1.40E-02	5.06E-05	5.82E-02	7.23E-02
180	487358.74, 3856986.11	0.91287	0.58154	0.98754	1.40E-02	4.23E-05	2.65E-02	0.040537	1.43E-02	4.17E-05	2.95E-02	4.38E-02	1.36E-02	5.29E-05	5.66E-02	7.02E-02
181	487208.74, 3857036.11	1.04729	0.65562	1.14078	1.61E-02	4.77E-05	3.06E-02	0.046715	1.64E-02	4.70E-05	3.40E-02	5.05E-02	1.56E-02	5.96E-05	6.53E-02	8.10E-02
182	487258.74, 3857036.11	1.01327	0.68879	1.10293	1.55E-02	5.01E-05	2.96E-02	0.04518	1.59E-02	4.94E-05	3.29E-02	4.88E-02	1.51E-02	6.27E-05	6.32E-02	7.83E-02
183	487308.74, 3857036.11	0.98244	0.71946	1.06877	1.51E-02	5.24E-05	2.87E-02	0.043793	1.54E-02	5.16E-05	3.19E-02	4.73E-02	1.46E-02	6.54E-05	6.12E-02	7.59E-02
184	487358.74, 3857036.11	0.95247	0.74419	1.03533	1.46E-02	5.42E-05	2.78E-02	0.042438	1.49E-02	5.33E-05	3.09E-02	4.59E-02	1.42E-02	6.77E-05	5.93E-02	7.36E-02
185	487427.14, 3856878.23	0.80791	0.40368	0.86586	1.24E-02	2.94E-05	2.32E-02	0.03565	1.27E-02	2.89E-05	2.58E-02	3.85E-02	1.20E-02	3.67E-05	4.96E-02	6.17E-02
186	487477.14, 3856878.23	0.78855	0.41889	0.84487	1.21E-02	3.05E-05	2.27E-02	0.034791	1.24E-02	3.00E-05	2.52E-02	3.76E-02	1.17E-02	3.81E-05	4.84E-02	6.02E-02
187	487527.14, 3856878.23	0.7696	0.43249	0.8242	1.18E-02	3.15E-05	2.21E-02	0.033947	1.21E-02	3.10E-05	2.46E-02	3.67E-02	1.15E-02	3.93E-05	4.72E-02	5.87E-02
188	487427.14, 3856928.23	0.83957	0.48116	0.90309	1.29E-02	3.50E-05	2.42E-02	0.03714	1.32E-02	3.45E-05	2.69E-02	4.01E-02	1.25E-02	4.38E-05	5.17E-02	6.43E-02
189	487477.14, 3856928.23	0.81732	0.49735	0.87855	1.25E-02	3.62E-05	2.36E-02	0.036141	1.28E-02	3.56E-05	2.62E-02	3.91E-02	1.22E-02	4.52E-05	5.03E-02	6.25E-02
190	487527.14, 3856928.23	0.79733	0.51285	0.85669	1.22E-02	3.73E-05	2.30E-02	0.035249	1.25E-02	3.67E-05	2.56E-02	3.81E-02	1.19E-02	4.66E-05	4.91E-02	6.10E-02
191	487577.14, 3856928.23	0.77813	0.52619	0.8357	1.19E-02	3.83E-05	2.24E-02	0.034393	1.22E-02	3.77E-05	2.49E-02	3.72E-02	1.16E-02	4.79E-05	4.79E-02	5.95E-02
192	487627.14, 3856928.23	0.7588	0.53646	0.81438	1.16E-02	3.90E-05	2.18E-02	0.033525	1.19E-02	3.84E-05	2.43E-02	3.62E-02	1.13E-02	4.88E-05	4.67E-02	5.80E-02
193	487677.14, 3856928.23	0.74185	0.54738	0.79604	1.14E-02	3.98E-05	2.14E-02	0.032774	1.16E-02	3.92E-05	2.37E-02	3.54E-02	1.11E-02	4.98E-05	4.56E-02	5.67E-02
194	487727.14, 3856928.23	0.72581	0.55715	0.77866	1.11E-02	4.06E-05	2.09E-02	0.032062	1.14E-02	3.99E-05	2.32E-02	3.46E-02	1.08E-02	5.07E-05	4.46E-02	5.55E-02
195	487777.14, 3856928.23	0.70939	0.56415	0.7608	1.09E-02	4.11E-05	2.04E-02	0.031332	1.11E-02	4.04E-05	2.27E-02	3.39E-02	1.06E-02	5.13E-05	4.36E-02	5.42E-02
196	487427.14, 3856978.23	0.87199	0.5888	0.9416	1.34E-02	4.29E-05	2.53E-02	0.038678	1.37E-02	4.22E-05	2.81E-02	4.18E-02	1.30E-02	5.36E-05	5.39E-02	6.70E-02
197	487477.14, 3856978.23	0.84892	0.60695	0.91624	1.30E-02	4.42E-05	2.46E-02	0.037645	1.33E-02	4.35E-05	2.73E-02	4.07E-02	1.26E-02	5.52E-05	5.25E-02	6.52E-02
198	487527.14, 3856978.23	0.82704	0.62206	0.89211	1.27E-02	4.53E-05	2.39E-02	0.036663	1.30E-02	4.46E-05	2.66E-02	3.96E-02	1.23E-02	5.66E-05	5.11E-02	6.35E-02
199	487577.14, 3856978.23	0.80592	0.63403	0.86876	1.24E-02	4.62E-05	2.33E-02	0.035714	1.26E-02	4.54E-05	2.59E-02	3.86E-02	1.20E-02	5.77E-05	4.98E-02	6.18E-02
200	487627.14, 3856978.23	0.78494	0.64253	0.84549	1.20E-02	4.68E-05	2.27E-02	0.034768	1.23E-02	4.60E-05	2.52E-02	3.76E-02	1.17E-02	5.84E-05	4.84E-02	6.02E-02
201	487677.14, 3856978.23	0.76662	0.6516	0.82537	1.18E-02	4.74E-05	2.21E-02	0.033948	1.20E-02	4.67E-05	2.46E-02	3.67E-02	1.14E-02	5.93E-05	4.73E-02	5.88E-02
202	487727.14, 3856978.23	0.7461	0.65442	0.80271	1.14E-02	4.76E-05	2.15E-02	0.033026	1.17E-02	4.69E-05	2.39E-02	3.57E-02	1.11E-02	5.95E-05	4.60E-02	5.72E-02
203	487777.14, 3856978.23	0.73201	0.66394	0.78785	1.12E-02	4.83E-05	2.11E-02	0.032412	1.15E-02	4.76E-05	2.35E-02	3.50E-02	1.09E-02	6.04E-05	4.51E-02	5.61E-02
204	487427.14, 3857028.23	0.90836	0.74139	0.98532	1.39E-02	5.40E-05	2.64E-02	0.04042	1.42E-02	5.31E-05	2.94E-02	4.37E-02	1.35E-02	6.74E-05	5.64E-02	7.00E-02
205	487477.14, 3857028.23	0.88284	0.75605	0.95666	1.35E-02	5.50E-05	2.57E-02	0.03926	1.38E-02	5.42E-05	2.85E-02	4.24E-02	1.32E-02	6.88E-05	5.48E-02	6.80E-02
206	487527.14, 3857028.23	0.85823	0.76641	0.92918	1.32E-02	5.58E-05	2.49E-02	0.038147	1.35E-02	5.49E-05	2.77E-02	4.12E-02	1.28E-02	6.97E-05	5.32E-02	6.61E-02
207	487577.14, 3857028.23	0.83536	0.7747	0.90391	1.28E-02	5.64E-05	2.42E-02	0.037118	1.31E-02	5.55E-05	2.70E-02	4.01E-02	1.24E-02	7.05E-05	5.18E-02	6.43E-02
208	487627.14, 3857028.23	0.81237	0.77797	0.8782	1.25E-02	5.66E-05	2.36E-02	0.036076	1.27E-02	5.57E-05	2.62E-02	3.90E-02	1.21E-02	7.08E-05	5.03E-02	6.25E-02
209	487677.14, 3857028.23	0.79194	0.78165	0.8558	1.22E-02	5.69E-05	2.30E-02	0.035162	1.24E-02	5.60E-05	2.55E-02	3.80E-02	1.18E-02	7.11E-05	4.90E-02	6.09E-02
210	487727.14, 3857028.23	0.77329	0.78431	0.83552	1.19E-02	5.71E-05	2.24E-02	0.034332	1.21E-02	5.62E-05	2.49E-02	3.71E-02	1.15E-02	7.13E-05	4.79E-02	5.95E-02
211	487777.14, 3857028.23	0.75459	0.78295	0.81516	1.16E-02	5.70E-05	2.19E-02	0.033499	1.18E-02	5.61E-05	2.43E-02	3.62E-02	1.12E-02	7.12E-05	4.67E-02	5.80E-02
212	487427.14, 3857078.23	0.94662	0.94777	1.03142	1.45E-02	6.90E-05	2.77E-02	0.042258	1.48E-02	6.79E-05	3.08E-02	4.57E-02	1.41E-02	8.62E-05	5.91E-02	7.33E-02
213	487477.14, 3857078.23	0.9179	0.95249	0.99893	1.41E-02	6.93E-05	2.68E-02	0.040946	1.44E-02	6.82E-05	2.98E-02	4.43E-02	1.37E-02	8.66E-05	5.72E-02	7.10E-02
214	487527.14, 3857078.23	0.89154	0.95477	0.9693	1.37E-02	6.95E-05	2.60E-02	0.039747	1.40E-02	6.84E-05	2.89E-02	4.30E-02	1.33E-02	8.68E-05	5.55E-02	6.89E-02
215	487577.14, 3857078.23	0.86622	0.95333	0.94104	1.33E-02	6.94E-05	2.52E-02	0.038601	1.36E-02	6.83E-05	2.81E-02	4.17E-02	1.29E-02	8.67E-05	5.39E-02	6.69E-02
216	487627.14, 3857078.23	0.84177	0.94818	0.91379	1.29E-02	6.90E-05	2.45E-02	0.037494	1.32E-02	6.79E-05	2.73E-02	4.05E-02	1.25E-02	8.62E-05	5.23E-02	6.50E-02
217	487677.14, 3857078.23	0.8193	0.94195	0.88904	1.26E-02	6.86E-05	2.38E-02	0.036485	1.28E-02	6.75E-05	2.65E-02	3.94E-02	1.22E-02	8.57E-05	5.09E-02	6.32E-02
218	487727.14, 3857078.23	0.79834	0.9337	0.86605	1.23E-02	6.80E-05	2.32E-02	0.035547	1.25E-02	6.69E-05	2.58E-02	3.84E-02	1.19E-02	8.49E-05	4.96E-02	6.16E-02
219	487777.14, 3857078.23	0.77744	0.9212	0.84317	1.19E-02	6.71E-05	2.26E-02	0.034611	1.22E-02	6.60E-05	2.52E-02	3.74E-02	1.16E-02	8.38E-05	4.83E-02	6.00E-02
220	487427.14, 3857128.23	0.98778	1.21967	1.08135	1.52E-02	8.88E-05	2.90E-02	0.044249	1.55E-02	8.74E-05	3.23E-02	4.78E-02	1.47E-02	1.11E-04	6.19E-02	7.68E-02
221	487477.14, 3857128.23	0.95569	1.20544	1.04471	1.47E-02	8.77E-05	2.80E-02	0.042773	1.50E-02	8.64E-05	3.12E-02	4.62E-02	1.42E-02	1.10E-04	5.98E-02	7.42E-02
222	487527.14, 3857128.23	0.9257	1.18892	1.01078	1.42E-02	8.65E-05	2.71E-02	0.041401	1.45E-02	8.52E-05	3.02E-02	4.48E-02	1.38E-02	1.08E-04	5.79E-02	7.18E-02
223	487577.14, 3857128.23	0.89824	1.17193	0.98008	1.38E-02	8.53E-05	2.63E-02	0.040155	1.41E-02	8.40E-05	2.92E-02	4.34E-02	1.34E-02	1.07E-04	5.61E-02	6.96E-02
224	487627.14, 3857128.23	0.87238	1.15249	0.95133	1.34E-02	8.39E-05	2.55E-02	0.038986	1.37E-02	8.26E-05	2.84E-02	4.21E-02	1.30E-02	1.05E-04	5.45E-02	6.76E-02

225	487677.14, 3857128.23	0.84703	1.12868	0.92318	1.30E-02	8.22E-05	2.48E-02	0.03784	1.33E-02	8.09E-05	2.75E-02	4.09E-02	1.26E-02	1.03E-04	5.29E-02	6.56E-02
226	487727.14, 3857128.23	0.8247	1.10653	0.89875	1.27E-02	8.05E-05	2.41E-02	0.036841	1.29E-02	7.93E-05	2.68E-02	3.98E-02	1.23E-02	1.01E-04	5.15E-02	6.39E-02
227	487777.14, 3857128.23	0.80207	1.07935	0.87379	1.23E-02	7.86E-05	2.34E-02	0.035822	1.26E-02	7.73E-05	2.61E-02	3.87E-02	1.19E-02	9.82E-05	5.01E-02	6.21E-02
228	488049.44, 3856539.39	0.51737	0.27533	0.54434	7.94E-03	2.00E-05	1.46E-02	0.022559	8.11E-03	1.97E-05	1.62E-02	2.44E-02	7.71E-03	2.50E-05	3.12E-02	3.89E-02
229	488099.44, 3856539.39	0.50827	0.27799	0.53476	7.80E-03	2.02E-05	1.43E-02	0.022162	7.97E-03	1.99E-05	1.60E-02	2.39E-02	7.57E-03	2.53E-05	3.06E-02	3.82E-02
230	488149.44, 3856539.39	0.50031	0.28126	0.52638	7.68E-03	2.05E-05	1.41E-02	0.021816	7.84E-03	2.02E-05	1.57E-02	2.36E-02	7.45E-03	2.56E-05	3.02E-02	3.76E-02
231	488049.44, 3856589.39	0.5315	0.29243	0.56015	8.16E-03	2.13E-05	1.50E-02	0.023201	8.33E-03	2.10E-05	1.67E-02	2.51E-02	7.92E-03	2.66E-05	3.21E-02	4.00E-02
232	488099.44, 3856589.39	0.52218	0.29581	0.55031	8.01E-03	2.15E-05	1.48E-02	0.022794	8.19E-03	2.12E-05	1.64E-02	2.46E-02	7.78E-03	2.69E-05	3.15E-02	3.93E-02
233	488149.44, 3856589.39	0.51339	0.29932	0.54105	7.88E-03	2.18E-05	1.45E-02	0.022411	8.05E-03	2.14E-05	1.61E-02	2.42E-02	7.65E-03	2.72E-05	3.10E-02	3.87E-02
234	488199.44, 3856589.39	0.50436	0.30231	0.53155	7.74E-03	2.20E-05	1.43E-02	0.022018	7.91E-03	2.17E-05	1.59E-02	2.38E-02	7.51E-03	2.75E-05	3.04E-02	3.80E-02
235	488249.44, 3856589.39	0.49781	0.30688	0.5247	7.64E-03	2.23E-05	1.41E-02	0.021734	7.81E-03	2.20E-05	1.57E-02	2.35E-02	7.42E-03	2.79E-05	3.01E-02	3.75E-02
236	488049.44, 3856639.39	0.54557	0.3141	0.57601	8.37E-03	2.29E-05	1.54E-02	0.023844	8.55E-03	2.25E-05	1.72E-02	2.58E-02	8.13E-03	2.86E-05	3.30E-02	4.12E-02
237	488099.44, 3856639.39	0.53583	0.31799	0.56568	8.22E-03	2.31E-05	1.52E-02	0.023417	8.40E-03	2.28E-05	1.69E-02	2.53E-02	7.98E-03	2.89E-05	3.24E-02	4.04E-02
238	488149.44, 3856639.39	0.52646	0.32173	0.55579	8.08E-03	2.34E-05	1.49E-02	0.023009	8.25E-03	2.31E-05	1.66E-02	2.49E-02	7.84E-03	2.93E-05	3.18E-02	3.97E-02
239	488199.44, 3856639.39	0.51811	0.32581	0.54699	7.95E-03	2.37E-05	1.47E-02	0.022645	8.12E-03	2.33E-05	1.63E-02	2.45E-02	7.72E-03	2.96E-05	3.13E-02	3.91E-02
240	488249.44, 3856639.39	0.5097	0.32925	0.53814	7.82E-03	2.40E-05	1.44E-02	0.022279	7.99E-03	2.36E-05	1.61E-02	2.41E-02	7.59E-03	2.99E-05	3.08E-02	3.85E-02
241	488299.44, 3856639.39	0.50156	0.33233	0.52965	7.70E-03	2.42E-05	1.42E-02	0.021926	7.86E-03	2.38E-05	1.58E-02	2.37E-02	7.47E-03	3.02E-05	3.03E-02	3.78E-02
242	488349.44, 3856639.39	0.49318	0.33449	0.52091	7.57E-03	2.43E-05	1.40E-02	0.021563	7.73E-03	2.40E-05	1.55E-02	2.33E-02	7.35E-03	3.04E-05	2.98E-02	3.72E-02
243	488399.44, 3856639.39	0.48613	0.3372	0.51363	7.46E-03	2.45E-05	1.38E-02	0.02126	7.62E-03	2.42E-05	1.53E-02	2.30E-02	7.24E-03	3.07E-05	2.94E-02	3.67E-02
244	488099.44, 3856689.39	0.55013	0.34597	0.58192	8.44E-03	2.52E-05	1.56E-02	0.024074	8.63E-03	2.48E-05	1.74E-02	2.60E-02	8.20E-03	3.15E-05	3.33E-02	4.16E-02
245	488149.44, 3856689.39	0.54012	0.3496	0.57131	8.29E-03	2.54E-05	1.53E-02	0.023636	8.47E-03	2.50E-05	1.70E-02	2.55E-02	8.05E-03	3.18E-05	3.27E-02	4.08E-02
246	488199.44, 3856689.39	0.53113	0.35343	0.56184	8.15E-03	2.57E-05	1.51E-02	0.023245	8.33E-03	2.53E-05	1.68E-02	2.51E-02	7.91E-03	3.21E-05	3.22E-02	4.01E-02
247	488249.44, 3856689.39	0.52168	0.356	0.55188	8.01E-03	2.59E-05	1.48E-02	0.022833	8.18E-03	2.55E-05	1.65E-02	2.47E-02	7.77E-03	3.24E-05	3.16E-02	3.94E-02
248	488299.44, 3856689.39	0.51372	0.35917	0.54356	7.88E-03	2.61E-05	1.46E-02	0.022488	8.05E-03	2.57E-05	1.62E-02	2.43E-02	7.65E-03	3.27E-05	3.11E-02	3.88E-02
249	488349.44, 3856689.39	0.50494	0.36074	0.53439	7.75E-03	2.63E-05	1.43E-02	0.022107	7.92E-03	2.58E-05	1.59E-02	2.39E-02	7.52E-03	3.28E-05	3.06E-02	3.82E-02
250	488399.44, 3856689.39	0.49563	0.36097	0.52468	7.61E-03	2.63E-05	1.41E-02	0.021704	7.77E-03	2.59E-05	1.57E-02	2.34E-02	7.38E-03	3.28E-05	3.01E-02	3.75E-02
251	488099.44, 3856739.39	0.56478	0.38041	0.59881	8.67E-03	2.77E-05	1.61E-02	0.024755	8.86E-03	2.73E-05	1.79E-02	2.67E-02	8.41E-03	3.46E-05	3.43E-02	4.28E-02
252	488149.44, 3856739.39	0.55379	0.38311	0.58707	8.50E-03	2.79E-05	1.57E-02	0.024271	8.68E-03	2.75E-05	1.75E-02	2.62E-02	8.25E-03	3.48E-05	3.36E-02	4.19E-02
253	488199.44, 3856739.39	0.54465	0.38682	0.5775	8.36E-03	2.82E-05	1.55E-02	0.023875	8.54E-03	2.77E-05	1.72E-02	2.58E-02	8.11E-03	3.52E-05	3.31E-02	4.12E-02
254	488249.44, 3856739.39	0.53468	0.38854	0.56695	8.20E-03	2.83E-05	1.52E-02	0.023439	8.38E-03	2.78E-05	1.69E-02	2.53E-02	7.97E-03	3.53E-05	3.25E-02	4.05E-02
255	488299.44, 3856739.39	0.52429	0.38877	0.55591	8.05E-03	2.83E-05	1.49E-02	0.022983	8.22E-03	2.79E-05	1.66E-02	2.48E-02	7.81E-03	3.54E-05	3.18E-02	3.97E-02
256	488349.44, 3856739.39	0.51653	0.39109	0.54795	7.93E-03	2.85E-05	1.47E-02	0.022651	8.10E-03	2.80E-05	1.63E-02	2.45E-02	7.69E-03	3.56E-05	3.14E-02	3.91E-02
257	488399.44, 3856739.39	0.50872	0.39255	0.53992	7.81E-03	2.86E-05	1.45E-02	0.022316	7.98E-03	2.81E-05	1.61E-02	2.41E-02	7.58E-03	3.57E-05	3.09E-02	3.85E-02
258	487999.44, 3856789.39	0.60008	0.41168	0.63782	9.21E-03	3.00E-05	1.71E-02	0.026345	9.41E-03	2.95E-05	1.90E-02	2.85E-02	8.94E-03	3.74E-05	3.65E-02	4.55E-02
259	488049.44, 3856789.39	0.58884	0.41622	0.62582	9.04E-03	3.03E-05	1.68E-02	0.025851	9.23E-03	2.98E-05	1.87E-02	2.79E-02	8.77E-03	3.79E-05	3.58E-02	4.47E-02
260	488099.44, 3856789.39	0.57876	0.42086	0.61513	8.88E-03	3.06E-05	1.65E-02	0.02541	9.07E-03	3.02E-05	1.84E-02	2.75E-02	8.62E-03	3.83E-05	3.52E-02	4.39E-02
261	488149.44, 3856789.39	0.56769	0.42312	0.60335	8.71E-03	3.08E-05	1.62E-02	0.024924	8.90E-03	3.03E-05	1.80E-02	2.69E-02	8.46E-03	3.85E-05	3.46E-02	4.31E-02
262	488199.44, 3856789.39	0.55764	0.42528	0.59269	8.56E-03	3.10E-05	1.59E-02	0.024484	8.74E-03	3.05E-05	1.77E-02	2.65E-02	8.31E-03	3.87E-05	3.40E-02	4.23E-02
263	488249.44, 3856789.39	0.54736	0.42601	0.58181	8.40E-03	3.10E-05	1.56E-02	0.024035	8.58E-03	3.05E-05	1.74E-02	2.60E-02	8.15E-03	3.88E-05	3.33E-02	4.15E-02
264	488299.44, 3856789.39	0.53681	0.42537	0.57069	8.24E-03	3.10E-05	1.53E-02	0.023575	8.42E-03	3.05E-05	1.70E-02	2.55E-02	8.00E-03	3.87E-05	3.27E-02	4.07E-02
265	488349.44, 3856789.39	0.52847	0.4265	0.56214	8.11E-03	3.10E-05	1.51E-02	0.023217	8.29E-03	3.06E-05	1.68E-02	2.51E-02	7.87E-03	3.88E-05	3.22E-02	4.01E-02
266	488399.44, 3856789.39	0.51971	0.42625	0.55309	7.98E-03	3.10E-05	1.48E-02	0.02284	8.15E-03	3.05E-05	1.65E-02	2.47E-02	7.74E-03	3.88E-05	3.17E-02	3.95E-02
267	487949.44, 3856839.39	0.62795	0.45783	0.66933	9.64E-03	3.33E-05	1.80E-02	0.027621	9.85E-03	3.28E-05	2.00E-02	2.98E-02	9.35E-03	4.16E-05	3.83E-02	4.77E-02
268	487999.44, 3856839.39	0.61576	0.46242	0.65625	9.45E-03	3.37E-05	1.76E-02	0.027084	9.65E-03	3.31E-05	1.96E-02	2.93E-02	9.17E-03	4.21E-05	3.76E-02	4.68E-02
269	488049.44, 3856839.39	0.60383	0.46574	0.64347	9.27E-03	3.39E-05	1.73E-02	0.026558	9.47E-03	3.34E-05	1.92E-02	2.87E-02	9.00E-03	4.24E-05	3.69E-02	4.59E-02
270	488099.44, 3856839.39	0.59267	0.46848	0.63161	9.09E-03	3.41E-05	1.69E-02	0.026069	9.29E-03	3.36E-05	1.88E-02	2.82E-02	8.83E-03	4.26E-05	3.62E-02	4.51E-02
271	488149.44, 3856839.39	0.58175	0.47007	0.62005	8.93E-03	3.42E-05	1.66E-02	0.025591	9.12E-03	3.37E-05	1.85E-02	2.77E-02	8.67E-03	4.28E-05	3.55E-02	4.42E-02
272	488199.44, 3856839.39	0.57105	0.47051	0.60872	8.76E-03	3.42E-05	1.63E-02	0.025123	8.95E-03	3.37E-05	1.82E-02	2.71E-02	8.51E-03	4.28E-05	3.49E-02	4.34E-02
273	487949.44, 3856889.39	0.64436	0.51986	0.68874	9.89E-03	3.78E-05	1.85E-02	0.028398	1.01E-02	3.72E-05	2.05E-02	3.07E-02	9.60E-03	4.73E-05	3.95E-02	4.91E-02
274	487999.44, 3856889.39	0.63228	0.52383	0.67594	9.70E-03	3.81E-05	1.81E-02	0.02787	9.91E-03	3.75E-05	2.02E-02	3.01E-02	9.42E-03	4.76E-05	3.87E-02	4.82E-02
275	488049.44, 3856889.39	0.61886	0.52396	0.66147	9.50E-03	3.81E-05	1.77E-02	0.027276	9.70E-03	3.75E-05	1.97E-02	2.95E-02	9.22E-03	4.77E-05	3.79E-02	4.72E-02
276	488099.44, 3856889.39	0.60743	0.52496	0.64931	9.32E-03	3.82E-05	1.74E-02	0.026774	9.52E-03	3.76E-05	1.94E-02	2.89E-02	9.05E-03	4.78E-05	3.72E-02	4.63E-02
277	488635.86, 3857895.05	0.66431	0.483	0.74588	1.02E-02	3.52E-05	2.00E-02	0.030234	1.04E-02	3.46E-05	2.23E-02	3.27E-02	9.90E-03	4.39E-05	4.27E-02	5.27E-02
278	489137.64, 3857804.15	0.50172	0.41917	0.55887	7.70E-03	3.05E-05	1.50E-02	0.022719	7.87E-03	3.00E-05	1.67E-02	2.46E-02	7.47E-03	3.81E-05	3.20E-02	3.95E-02
279	488617.32, 3857859.41	0.6679	0.51263	0.74978	1.02E-02	3.73E-05	2.01E-02	0.030396	1.05E-02	3.67E-05	2.24E-02	3.29E-02	9.95E-03	4.66E-05	4.30E-02	5.29E-02
280	488667.32, 3857859.41	0.64788	0.50009	0.7272	9.94E-03	3.64E-05	1.95E-02	0.029482	1.02E-02	3.58E-05	2.17E-02	3.19E-02	9.65E-03	4.55E-05	4.17E-02	5.14E-02
281	488717.32, 3857859.41	0.62896	0.48797	0.70581	9.65E-03	3.55E-05	1.89E-02	0.028617	9.86E-03	3.50E-05	2.11E-02	3.10E-02	9.37E-03	4.44E-05	4.04E-02	4.98E-02

282	488767.32, 3857859.41	0.61126	0.47534	0.68385	9.38E-03	3.46E-05	1.83E-02	0.027756	9.58E-03	3.41E-05	2.04E-02	3.00E-02	9.11E-03	4.32E-05	3.92E-02	4.83E-02
283	488617.32, 3857909.41	0.6736	0.47713	0.75713	1.03E-02	3.47E-05	2.03E-02	0.030678	1.06E-02	3.42E-05	2.26E-02	3.32E-02	1.00E-02	4.34E-05	4.34E-02	5.35E-02
284	488667.32, 3857909.41	0.65335	0.46548	0.73076	1.00E-02	3.39E-05	1.96E-02	0.029659	1.02E-02	3.34E-05	2.18E-02	3.21E-02	9.73E-03	4.23E-05	4.19E-02	5.16E-02
285	488717.32, 3857909.41	0.633	0.4565	0.71061	9.71E-03	3.32E-05	1.91E-02	0.028806	9.92E-03	3.27E-05	2.12E-02	3.12E-02	9.43E-03	4.15E-05	4.07E-02	5.02E-02
286	488767.32, 3857909.41	0.61459	0.44602	0.68797	9.43E-03	3.25E-05	1.85E-02	0.027915	9.64E-03	3.20E-05	2.05E-02	3.02E-02	9.16E-03	4.06E-05	3.94E-02	4.86E-02
287	488417.32, 3857959.41	0.77825	0.4811	0.88845	1.19E-02	3.50E-05	2.38E-02	0.035806	1.22E-02	3.45E-05	2.65E-02	3.87E-02	1.16E-02	4.38E-05	5.09E-02	6.25E-02
288	488467.32, 3857959.41	0.75146	0.47077	0.85323	1.15E-02	3.43E-05	2.29E-02	0.03445	1.18E-02	3.37E-05	2.55E-02	3.73E-02	1.12E-02	4.28E-05	4.89E-02	6.01E-02
289	488517.32, 3857959.41	0.72626	0.46068	0.82035	1.11E-02	3.35E-05	2.20E-02	0.03318	1.14E-02	3.30E-05	2.45E-02	3.59E-02	1.08E-02	4.19E-05	4.70E-02	5.79E-02
290	488567.32, 3857959.41	0.70234	0.45088	0.78978	1.08E-02	3.28E-05	2.12E-02	0.031993	1.10E-02	3.23E-05	2.36E-02	3.46E-02	1.05E-02	4.10E-05	4.52E-02	5.57E-02
291	488617.32, 3857959.41	0.6793	0.44195	0.76268	1.04E-02	3.22E-05	2.05E-02	0.030912	1.07E-02	3.17E-05	2.28E-02	3.34E-02	1.01E-02	4.02E-05	4.37E-02	5.38E-02
292	488667.32, 3857959.41	0.65745	0.43338	0.73752	1.01E-02	3.15E-05	1.98E-02	0.029901	1.03E-02	3.11E-05	2.20E-02	3.23E-02	9.79E-03	3.94E-05	4.22E-02	5.21E-02
293	488717.32, 3857959.41	0.63704	0.42464	0.71292	9.78E-03	3.09E-05	1.91E-02	0.028927	9.99E-03	3.04E-05	2.13E-02	3.13E-02	9.49E-03	3.86E-05	4.08E-02	5.04E-02
294	488767.32, 3857959.41	0.61747	0.41652	0.69056	9.48E-03	3.03E-05	1.85E-02	0.028027	9.68E-03	2.98E-05	2.06E-02	3.03E-02	9.20E-03	3.79E-05	3.96E-02	4.88E-02
295	488417.32, 3858009.41	0.78937	0.44111	0.90234	1.21E-02	3.21E-05	2.42E-02	0.036346	1.24E-02	3.16E-05	2.69E-02	3.93E-02	1.18E-02	4.01E-05	5.17E-02	6.35E-02
296	488467.32, 3858009.41	0.76131	0.43243	0.86374	1.17E-02	3.15E-05	2.32E-02	0.03488	1.19E-02	3.10E-05	2.58E-02	3.77E-02	1.13E-02	3.93E-05	4.95E-02	6.09E-02
297	488517.32, 3858009.41	0.73457	0.42409	0.82857	1.13E-02	3.09E-05	2.22E-02	0.033526	1.15E-02	3.04E-05	2.47E-02	3.63E-02	1.09E-02	3.86E-05	4.75E-02	5.84E-02
298	488567.32, 3858009.41	0.7094	0.41587	0.79571	1.09E-02	3.03E-05	2.13E-02	0.032257	1.11E-02	2.98E-05	2.37E-02	3.49E-02	1.06E-02	3.78E-05	4.56E-02	5.62E-02
299	488617.32, 3858009.41	0.6847	0.40885	0.76786	1.05E-02	2.98E-05	2.06E-02	0.031131	1.07E-02	2.93E-05	2.29E-02	3.37E-02	1.02E-02	3.72E-05	4.40E-02	5.42E-02
300	488667.32, 3858009.41	0.6615	0.40195	0.74163	1.02E-02	2.93E-05	1.99E-02	0.030071	1.04E-02	2.88E-05	2.21E-02	3.25E-02	9.85E-03	3.66E-05	4.25E-02	5.24E-02
301	488717.32, 3858009.41	0.63988	0.3949	0.71614	9.82E-03	2.87E-05	1.92E-02	0.029055	1.00E-02	2.83E-05	2.14E-02	3.14E-02	9.53E-03	3.59E-05	4.10E-02	5.06E-02
302	488767.32, 3858009.41	0.61952	0.38806	0.69217	9.51E-03	2.82E-05	1.86E-02	0.028099	9.71E-03	2.78E-05	2.06E-02	3.04E-02	9.23E-03	3.53E-05	3.97E-02	4.89E-02
303	488417.32, 3858059.41	0.80256	0.40454	0.91465	1.23E-02	2.94E-05	2.45E-02	0.036876	1.26E-02	2.90E-05	2.73E-02	3.99E-02	1.20E-02	3.68E-05	5.24E-02	6.44E-02
304	488467.32, 3858059.41	0.77219	0.39739	0.87298	1.18E-02	2.89E-05	2.34E-02	0.035292	1.21E-02	2.85E-05	2.60E-02	3.82E-02	1.15E-02	3.61E-05	5.00E-02	6.15E-02
305	488517.32, 3858059.41	0.74304	0.39061	0.8357	1.14E-02	2.84E-05	2.24E-02	0.033844	1.17E-02	2.80E-05	2.49E-02	3.66E-02	1.11E-02	3.55E-05	4.79E-02	5.90E-02
306	488567.32, 3858059.41	0.71574	0.38391	0.80118	1.10E-02	2.79E-05	2.15E-02	0.032499	1.12E-02	2.75E-05	2.39E-02	3.52E-02	1.07E-02	3.49E-05	4.59E-02	5.66E-02
307	488617.32, 3858059.41	0.68988	0.37757	0.76978	1.06E-02	2.75E-05	2.06E-02	0.03126	1.08E-02	2.71E-05	2.30E-02	3.38E-02	1.03E-02	3.43E-05	4.41E-02	5.44E-02
308	488667.32, 3858059.41	0.6651	0.37203	0.74239	1.02E-02	2.71E-05	1.99E-02	0.030144	1.04E-02	2.67E-05	2.21E-02	3.26E-02	9.91E-03	3.38E-05	4.25E-02	5.25E-02
309	488417.32, 3858109.41	0.81351	0.3728	0.9319	1.25E-02	2.71E-05	2.50E-02	0.037505	1.28E-02	2.67E-05	2.78E-02	4.06E-02	1.21E-02	3.39E-05	5.34E-02	6.55E-02
310	488467.32, 3858109.41	0.78131	0.36666	0.88487	1.20E-02	2.67E-05	2.37E-02	0.035749	1.23E-02	2.63E-05	2.64E-02	3.87E-02	1.16E-02	3.34E-05	5.07E-02	6.24E-02
311	488517.32, 3858109.41	0.75044	0.36058	0.84247	1.15E-02	2.62E-05	2.26E-02	0.034137	1.18E-02	2.58E-05	2.51E-02	3.69E-02	1.12E-02	3.28E-05	4.83E-02	5.95E-02
312	488567.32, 3858109.41	0.72107	0.35509	0.80555	1.11E-02	2.58E-05	2.16E-02	0.032696	1.13E-02	2.54E-05	2.40E-02	3.54E-02	1.07E-02	3.23E-05	4.61E-02	5.69E-02
313	488617.32, 3858109.41	0.69373	0.34955	0.77098	1.06E-02	2.54E-05	2.07E-02	0.031349	1.09E-02	2.50E-05	2.30E-02	3.39E-02	1.03E-02	3.18E-05	4.42E-02	5.45E-02
314	488667.32, 3858109.41	0.66731	0.34503	0.74194	1.02E-02	2.51E-05	1.99E-02	0.030164	1.05E-02	2.47E-05	2.21E-02	3.26E-02	9.94E-03	3.14E-05	4.25E-02	5.25E-02
315	488769.93, 3858449.27	0.5733	0.21246	0.51985	8.80E-03	1.55E-05	1.39E-02	0.022755	8.99E-03	1.52E-05	1.55E-02	2.45E-02	8.54E-03	1.93E-05	2.98E-02	3.83E-02
316	488819.93, 3858449.27	0.55172	0.21224	0.50195	8.47E-03	1.54E-05	1.35E-02	0.021944	8.65E-03	1.52E-05	1.50E-02	2.36E-02	8.22E-03	1.93E-05	2.88E-02	3.70E-02
317	488819.93, 3858499.27	0.55118	0.19843	0.45962	8.46E-03	1.44E-05	1.23E-02	0.0208	8.64E-03	1.42E-05	1.37E-02	2.24E-02	8.21E-03	1.80E-05	2.63E-02	3.46E-02
318	488869.93, 3858499.27	0.5303	0.19856	0.44704	8.14E-03	1.45E-05	1.20E-02	0.020142	8.31E-03	1.42E-05	1.33E-02	2.17E-02	7.90E-03	1.81E-05	2.56E-02	3.35E-02
319	488869.93, 3858549.27	0.53413	0.18586	0.40849	8.20E-03	1.35E-05	1.10E-02	0.019166	8.37E-03	1.33E-05	1.22E-02	2.06E-02	7.96E-03	1.69E-05	2.34E-02	3.14E-02
320	489438.17, 3859571.48	0.11132	0.07512	0.10217	1.71E-03	5.47E-06	2.74E-03	0.004454	1.75E-03	5.38E-06	3.05E-03	4.80E-03	1.66E-03	6.83E-06	5.85E-03	7.52E-03
321	489488.17, 3859571.48	0.11064	0.07465	0.10169	1.70E-03	5.43E-06	2.73E-03	0.004431	1.73E-03	5.35E-06	3.03E-03	4.77E-03	1.65E-03	6.79E-06	5.83E-03	7.48E-03
322	489538.17, 3859571.48	0.11002	0.07418	0.10126	1.69E-03	5.40E-06	2.72E-03	0.00441	1.73E-03	5.32E-06	3.02E-03	4.75E-03	1.64E-03	6.75E-06	5.80E-03	7.45E-03
323	489588.17, 3859571.48	0.10946	0.07369	0.10082	1.68E-03	5.36E-06	2.70E-03	0.004389	1.72E-03	5.28E-06	3.01E-03	4.73E-03	1.63E-03	6.70E-06	5.78E-03	7.41E-03
324	489438.17, 3859621.48	0.10709	0.07336	0.09885	1.64E-03	5.34E-06	2.65E-03	0.0043	1.68E-03	5.26E-06	2.95E-03	4.63E-03	1.60E-03	6.67E-06	5.66E-03	7.26E-03
325	489488.17, 3859621.48	0.10639	0.07288	0.09829	1.63E-03	5.31E-06	2.64E-03	0.004274	1.67E-03	5.22E-06	2.93E-03	4.61E-03	1.58E-03	6.63E-06	5.63E-03	7.22E-03
326	489538.17, 3859621.48	0.10573	0.07241	0.09781	1.62E-03	5.27E-06	2.62E-03	0.004251	1.66E-03	5.19E-06	2.92E-03	4.58E-03	1.58E-03	6.59E-06	5.60E-03	7.18E-03
327	489588.17, 3859621.48	0.10517	0.07202	0.09747	1.61E-03	5.24E-06	2.61E-03	0.004233	1.65E-03	5.16E-06	2.91E-03	4.56E-03	1.57E-03	6.55E-06	5.58E-03	7.16E-03
328	489238.17, 3859671.48	0.10538	0.07288	0.0974	1.62E-03	5.31E-06	2.61E-03	0.004235	1.65E-03	5.22E-06	2.91E-03	4.56E-03	1.57E-03	6.63E-06	5.58E-03	7.16E-03
329	489288.17, 3859671.48	0.10492	0.07263	0.09704	1.61E-03	5.29E-06	2.60E-03	0.004218	1.65E-03	5.20E-06	2.89E-03	4.55E-03	1.56E-03	6.61E-06	5.56E-03	7.13E-03
330	489338.17, 3859671.48	0.10443	0.07237	0.09669	1.60E-03	5.27E-06	2.59E-03	0.004201	1.64E-03	5.19E-06	2.88E-03	4.53E-03	1.56E-03	6.58E-06	5.54E-03	7.10E-03
331	489388.17, 3859671.48	0.10393	0.07212	0.09638	1.59E-03	5.25E-06	2.58E-03	0.004185	1.63E-03	5.17E-06	2.88E-03	4.51E-03	1.55E-03	6.56E-06	5.52E-03	7.08E-03
332	489438.17, 3859671.48	0.10326	0.07169	0.09582	1.58E-03	5.22E-06	2.57E-03	0.00416	1.62E-03	5.14E-06	2.86E-03	4.48E-03	1.54E-03	6.52E-06	5.49E-03	7.03E-03
333	489488.17, 3859671.48	0.10267	0.07134	0.09543	1.58E-03	5.19E-06	2.56E-03	0.00414	1.61E-03	5.11E-06	2.85E-03	4.46E-03	1.53E-03	6.49E-06	5.47E-03	7.00E-03
334	489538.17, 3859671.48	0.10203	0.07091	0.09496	1.57E-03	5.16E-06	2.55E-03	0.004118	1.60E-03	5.08E-06	2.83E-03	4.44E-03	1.52E-03	6.45E-06	5.44E-03	6.97E-03
335	489588.17, 3859671.48	0.10142	0.0705	0.09453	1.56E-03	5.13E-06	2.54E-03	0.004097	1.59E-03	5.05E-06	2.82E-03	4.42E-03	1.51E-03	6.41E-06	5.42E-03	6.93E-03
336	489238.17, 3859721.48	0.10156	0.07098	0.09431	1.56E-03	5.17E-06	2.53E-03	0.004093	1.59E-03	5.09E-06	2.81E-03	4.41E-03	1.51E-03	6.46E-06	5.40E-03	6.92E-03
337	489288.17, 3859721.48	0.1013	0.07093	0.09421	1.55E-03	5.16E-06	2.53E-03	0.004086	1.59E-03	5.08E-06	2.81E-03	4.40E-03	1.51E-03	6.45E-06	5.40E-03	6.91E-03
338	489338.17, 3859721.48	0.10087	0.07073	0.09392	1.55E-03	5.15E-06	2.52E-03	0.004072	1.58E-03	5.07E-06	2.80E-03	4.39E-03	1.50E-03	6.43E-06	5.38E-03	6.89E-03

339	489388.17, 3859721.48	0.10037	0.07046	0.09354	1.54E-03	5.13E-06	2.51E-03	0.004054	1.57E-03	5.05E-06	2.79E-03	4.37E-03	1.50E-03	6.41E-06	5.36E-03	6.86E-03
340	489438.17, 3859721.48	0.09978	0.0701	0.09306	1.53E-03	5.10E-06	2.50E-03	0.004032	1.56E-03	5.02E-06	2.78E-03	4.35E-03	1.49E-03	6.38E-06	5.33E-03	6.82E-03
341	489488.17, 3859721.48	0.09926	0.06982	0.09274	1.52E-03	5.08E-06	2.49E-03	0.004016	1.56E-03	5.00E-06	2.77E-03	4.33E-03	1.48E-03	6.35E-06	5.31E-03	6.80E-03
342	489538.17, 3859721.48	0.09866	0.06946	0.09231	1.51E-03	5.06E-06	2.48E-03	0.003995	1.55E-03	4.98E-06	2.75E-03	4.31E-03	1.47E-03	6.32E-06	5.29E-03	6.76E-03
343	489588.17, 3859721.48	0.09805	0.06907	0.09187	1.50E-03	5.03E-06	2.46E-03	0.003974	1.54E-03	4.95E-06	2.74E-03	4.28E-03	1.46E-03	6.28E-06	5.26E-03	6.73E-03
344	489238.17, 3859771.48	0.09799	0.06912	0.09138	1.50E-03	5.03E-06	2.45E-03	0.00396	1.54E-03	4.95E-06	2.73E-03	4.27E-03	1.46E-03	6.29E-06	5.23E-03	6.70E-03
345	489288.17, 3859771.48	0.09781	0.06914	0.09136	1.50E-03	5.03E-06	2.45E-03	0.003956	1.53E-03	4.95E-06	2.73E-03	4.26E-03	1.46E-03	6.29E-06	5.23E-03	6.70E-03
346	489338.17, 3859771.48	0.09743	0.06898	0.09107	1.50E-03	5.02E-06	2.44E-03	0.003943	1.53E-03	4.94E-06	2.72E-03	4.25E-03	1.45E-03	6.27E-06	5.22E-03	6.67E-03
347	489388.17, 3859771.48	0.09703	0.06881	0.09081	1.49E-03	5.01E-06	2.44E-03	0.00393	1.52E-03	4.93E-06	2.71E-03	4.24E-03	1.45E-03	6.26E-06	5.20E-03	6.65E-03
348	489438.17, 3859771.48	0.09651	0.06851	0.09039	1.48E-03	4.99E-06	2.42E-03	0.00391	1.51E-03	4.91E-06	2.70E-03	4.21E-03	1.44E-03	6.23E-06	5.18E-03	6.62E-03
349	489488.17, 3859771.48	0.0961	0.06835	0.09021	1.47E-03	4.98E-06	2.42E-03	0.003899	1.51E-03	4.90E-06	2.69E-03	4.20E-03	1.43E-03	6.22E-06	5.17E-03	6.61E-03
350	489538.17, 3859771.48	0.09558	0.06808	0.08989	1.47E-03	4.96E-06	2.41E-03	0.003883	1.50E-03	4.88E-06	2.68E-03	4.19E-03	1.42E-03	6.19E-06	5.15E-03	6.58E-03
351	489588.17, 3859771.48	0.09497	0.06768	0.08939	1.46E-03	4.93E-06	2.40E-03	0.00386	1.49E-03	4.85E-06	2.67E-03	4.16E-03	1.41E-03	6.16E-06	5.12E-03	6.54E-03
352	489238.17, 3859821.48	0.09458	0.06725	0.08849	1.45E-03	4.90E-06	2.37E-03	0.00383	1.48E-03	4.82E-06	2.64E-03	4.13E-03	1.41E-03	6.12E-06	5.07E-03	6.48E-03
353	489288.17, 3859821.48	0.09449	0.06735	0.08857	1.45E-03	4.90E-06	2.38E-03	0.00383	1.48E-03	4.83E-06	2.64E-03	4.13E-03	1.41E-03	6.13E-06	5.07E-03	6.49E-03
354	489338.17, 3859821.48	0.09421	0.06728	0.08839	1.45E-03	4.90E-06	2.37E-03	0.003821	1.48E-03	4.82E-06	2.64E-03	4.12E-03	1.40E-03	6.12E-06	5.06E-03	6.47E-03
355	489388.17, 3859821.48	0.09389	0.06717	0.0882	1.44E-03	4.89E-06	2.37E-03	0.003811	1.47E-03	4.81E-06	2.63E-03	4.11E-03	1.40E-03	6.11E-06	5.05E-03	6.46E-03
356	489438.17, 3859821.48	0.09358	0.06709	0.08807	1.44E-03	4.88E-06	2.36E-03	0.003803	1.47E-03	4.81E-06	2.63E-03	4.10E-03	1.39E-03	6.10E-06	5.05E-03	6.45E-03
357	489488.17, 3859821.48	0.09317	0.06693	0.08786	1.43E-03	4.87E-06	2.36E-03	0.003791	1.46E-03	4.80E-06	2.62E-03	4.09E-03	1.39E-03	6.09E-06	5.03E-03	6.43E-03
358	489538.17, 3859821.48	0.09271	0.06671	0.08759	1.42E-03	4.86E-06	2.35E-03	0.003777	1.45E-03	4.78E-06	2.61E-03	4.07E-03	1.38E-03	6.07E-06	5.02E-03	6.40E-03
359	489588.17, 3859821.48	0.09214	0.06637	0.08713	1.41E-03	4.83E-06	2.34E-03	0.003756	1.44E-03	4.76E-06	2.60E-03	4.05E-03	1.37E-03	6.04E-06	4.99E-03	6.37E-03
360	489238.17, 3859871.48	0.09141	0.06546	0.08578	1.40E-03	4.76E-06	2.30E-03	0.003708	1.43E-03	4.69E-06	2.56E-03	4.00E-03	1.36E-03	5.95E-06	4.91E-03	6.28E-03
361	489288.17, 3859871.48	0.0913	0.06554	0.08581	1.40E-03	4.77E-06	2.30E-03	0.003707	1.43E-03	4.70E-06	2.56E-03	4.00E-03	1.36E-03	5.96E-06	4.92E-03	6.28E-03
362	489338.17, 3859871.48	0.09115	0.06558	0.08578	1.40E-03	4.77E-06	2.30E-03	0.003704	1.43E-03	4.70E-06	2.56E-03	3.99E-03	1.36E-03	5.97E-06	4.91E-03	6.28E-03
363	489388.17, 3859871.48	0.09098	0.06561	0.08578	1.40E-03	4.78E-06	2.30E-03	0.003702	1.43E-03	4.70E-06	2.56E-03	3.99E-03	1.36E-03	5.97E-06	4.91E-03	6.28E-03
364	489438.17, 3859871.48	0.09079	0.06567	0.08584	1.39E-03	4.78E-06	2.30E-03	0.0037	1.42E-03	4.71E-06	2.56E-03	3.99E-03	1.35E-03	5.97E-06	4.92E-03	6.28E-03
365	489488.17, 3859871.48	0.09056	0.06568	0.08586	1.39E-03	4.78E-06	2.30E-03	0.003697	1.42E-03	4.71E-06	2.56E-03	3.99E-03	1.35E-03	5.97E-06	4.92E-03	6.27E-03
366	489538.17, 3859871.48	0.09006	0.0654	0.08544	1.38E-03	4.76E-06	2.29E-03	0.003678	1.41E-03	4.69E-06	2.55E-03	3.97E-03	1.34E-03	5.95E-06	4.89E-03	6.24E-03
367	489588.17, 3859871.48	0.08956	0.06513	0.08508	1.37E-03	4.74E-06	2.28E-03	0.003661	1.40E-03	4.67E-06	2.54E-03	3.95E-03	1.33E-03	5.92E-06	4.87E-03	6.21E-03
368	489238.17, 3859921.48	0.08845	0.06376	0.08325	1.36E-03	4.64E-06	2.23E-03	0.003595	1.39E-03	4.57E-06	2.48E-03	3.87E-03	1.32E-03	5.80E-06	4.77E-03	6.09E-03
369	489288.17, 3859921.48	0.08846	0.06396	0.08345	1.36E-03	4.66E-06	2.24E-03	0.0036	1.39E-03	4.58E-06	2.49E-03	3.88E-03	1.32E-03	5.82E-06	4.78E-03	6.10E-03
370	489338.17, 3859921.48	0.08836	0.06404	0.08349	1.36E-03	4.66E-06	2.24E-03	0.0036	1.39E-03	4.59E-06	2.49E-03	3.88E-03	1.32E-03	5.83E-06	4.78E-03	6.10E-03
371	489388.17, 3859921.48	0.08828	0.06417	0.08362	1.35E-03	4.67E-06	2.24E-03	0.003602	1.38E-03	4.60E-06	2.49E-03	3.88E-03	1.32E-03	5.84E-06	4.79E-03	6.11E-03
372	489438.17, 3859921.48	0.0882	0.06433	0.0838	1.35E-03	4.68E-06	2.25E-03	0.003606	1.38E-03	4.61E-06	2.50E-03	3.89E-03	1.31E-03	5.85E-06	4.80E-03	6.12E-03
373	489488.17, 3859921.48	0.08794	0.06428	0.08368	1.35E-03	4.68E-06	2.24E-03	0.003598	1.38E-03	4.61E-06	2.50E-03	3.88E-03	1.31E-03	5.85E-06	4.79E-03	6.11E-03
374	489538.17, 3859921.48	0.08756	0.06411	0.0834	1.34E-03	4.67E-06	2.24E-03	0.003585	1.37E-03	4.59E-06	2.49E-03	3.87E-03	1.30E-03	5.83E-06	4.78E-03	6.09E-03
375	489588.17, 3859921.48	0.08718	0.06395	0.08318	1.34E-03	4.66E-06	2.23E-03	0.003573	1.37E-03	4.58E-06	2.48E-03	3.85E-03	1.30E-03	5.82E-06	4.76E-03	6.07E-03
376	489238.17, 3859971.48	0.08566	0.06215	0.08085	1.31E-03	4.52E-06	2.17E-03	0.003487	1.34E-03	4.45E-06	2.41E-03	3.76E-03	1.28E-03	5.65E-06	4.63E-03	5.91E-03
377	489288.17, 3859971.48	0.08565	0.06231	0.08101	1.31E-03	4.54E-06	2.17E-03	0.003492	1.34E-03	4.46E-06	2.42E-03	3.76E-03	1.28E-03	5.67E-06	4.64E-03	5.92E-03
378	489338.17, 3859971.48	0.08566	0.06249	0.0812	1.31E-03	4.55E-06	2.18E-03	0.003497	1.34E-03	4.48E-06	2.42E-03	3.77E-03	1.28E-03	5.68E-06	4.65E-03	5.93E-03
379	489388.17, 3859971.48	0.08568	0.06273	0.08148	1.31E-03	4.57E-06	2.19E-03	0.003505	1.34E-03	4.49E-06	2.43E-03	3.78E-03	1.28E-03	5.71E-06	4.67E-03	5.95E-03
380	489438.17, 3859971.48	0.08563	0.06297	0.08177	1.31E-03	4.58E-06	2.19E-03	0.003512	1.34E-03	4.51E-06	2.44E-03	3.79E-03	1.28E-03	5.73E-06	4.68E-03	5.97E-03
381	489488.17, 3859971.48	0.08536	0.06316	0.08201	1.31E-03	4.60E-06	2.20E-03	0.003514	1.34E-03	4.53E-06	2.45E-03	3.79E-03	1.27E-03	5.75E-06	4.70E-03	5.98E-03
382	489538.17, 3859971.48	0.08501	0.06314	0.08194	1.30E-03	4.60E-06	2.20E-03	0.003507	1.33E-03	4.52E-06	2.44E-03	3.78E-03	1.27E-03	5.74E-06	4.69E-03	5.97E-03
383	489588.17, 3859971.48	0.0846	0.06302	0.08173	1.30E-03	4.59E-06	2.19E-03	0.003495	1.33E-03	4.52E-06	2.44E-03	3.77E-03	1.26E-03	5.73E-06	4.68E-03	5.95E-03
384	483577.7, 3854071	0.25623	0.19227	0.39342	3.93E-03	1.40E-05	1.06E-02	0.014498	4.02E-03	1.38E-05	1.17E-02	1.58E-02	3.82E-03	1.75E-05	2.25E-02	2.64E-02
385	483627.7, 3854071	0.24691	0.18641	0.37219	3.79E-03	1.36E-05	9.98E-03	0.013785	3.87E-03	1.34E-05	1.11E-02	1.50E-02	3.68E-03	1.70E-05	2.13E-02	2.50E-02
386	483677.7, 3854071	0.237	0.17947	0.35108	3.64E-03	1.31E-05	9.42E-03	0.013066	3.72E-03	1.29E-05	1.05E-02	1.42E-02	3.53E-03	1.63E-05	2.01E-02	2.37E-02
387	483727.7, 3854071	0.22766	0.17259	0.33164	3.49E-03	1.26E-05	8.89E-03	0.012401	3.57E-03	1.24E-05	9.89E-03	1.35E-02	3.39E-03	1.57E-05	1.90E-02	2.24E-02
388	483777.7, 3854071	0.21534	0.16217	0.30847	3.30E-03	1.18E-05	8.27E-03	0.01159	3.38E-03	1.16E-05	9.20E-03	1.26E-02	3.21E-03	1.48E-05	1.77E-02	2.09E-02
389	483577.7, 3854121	0.27358	0.21083	0.44094	4.20E-03	1.53E-05	1.18E-02	0.01604	4.29E-03	1.51E-05	1.32E-02	1.75E-02	4.08E-03	1.92E-05	2.53E-02	2.94E-02
390	483627.7, 3854121	0.26147	0.20107	0.41096	4.01E-03	1.46E-05	1.10E-02	0.015049	4.10E-03	1.44E-05	1.23E-02	1.64E-02	3.90E-03	1.83E-05	2.35E-02	2.75E-02
391	483677.7, 3854121	0.24792	0.18913	0.37985	3.80E-03	1.38E-05	1.02E-02	0.014006	3.89E-03	1.36E-05	1.13E-02	1.52E-02	3.69E-03	1.72E-05	2.18E-02	2.55E-02
392	483727.7, 3854121	0.23371	0.17712	0.35049	3.59E-03	1.29E-05	9.40E-03	0.013	3.66E-03	1.27E-05	1.05E-02	1.41E-02	3.48E-03	1.61E-05	2.01E-02	2.36E-02
393	483777.7, 3854121	0.22363	0.16966	0.32954	3.43E-03	1.23E-05	8.84E-03	0.012282	3.51E-03	1.22E-05	9.83E-03	1.33E-02	3.33E-03	1.54E-05	1.89E-02	2.22E-02
394	483577.7, 3854171	0.28861	0.22421	0.4772	4.43E-03	1.63E-05	1.28E-02	0.017244	4.53E-03	1.61E-05	1.42E-02	1.88E-02	4.30E-03	2.04E-05	2.73E-02	3.17E-02
395	483627.7, 3854171	0.27182	0.20829	0.43517	4.17E-03	1.52E-05	1.17E-02	0.015858	4.26E-03	1.49E-05	1.30E-02	1.73E-02	4.05E-03	1.89E-05	2.49E-02	2.90E-02

396	483677.7, 3854171	0.25797	0.19671	0.40281	3.96E-03	1.43E-05	1.08E-02	0.014776	4.04E-03	1.41E-05	1.20E-02	1.61E-02	3.84E-03	1.79E-05	2.31E-02	2.69E-02
397	483727.7, 3854171	0.24631	0.18812	0.37646	3.78E-03	1.37E-05	1.01E-02	0.01389	3.86E-03	1.35E-05	1.12E-02	1.51E-02	3.67E-03	1.71E-05	2.16E-02	2.53E-02
398	483777.7, 3854171	0.23373	0.17909	0.35084	3.59E-03	1.30E-05	9.41E-03	0.013009	3.66E-03	1.28E-05	1.05E-02	1.41E-02	3.48E-03	1.63E-05	2.01E-02	2.36E-02
399	483827.7, 3854171	0.21769	0.16622	0.32101	3.34E-03	1.21E-05	8.61E-03	0.011962	3.41E-03	1.19E-05	9.58E-03	1.30E-02	3.24E-03	1.51E-05	1.84E-02	2.16E-02
400	483877.7, 3854171	0.20852	0.16014	0.30268	3.20E-03	1.17E-05	8.12E-03	0.011329	3.27E-03	1.15E-05	9.03E-03	1.23E-02	3.11E-03	1.46E-05	1.73E-02	2.05E-02
401	483727.7, 3854221	0.26312	0.20327	0.40498	4.04E-03	1.48E-05	1.09E-02	0.014914	4.13E-03	1.46E-05	1.21E-02	1.62E-02	3.92E-03	1.85E-05	2.32E-02	2.71E-02
402	483777.7, 3854221	0.24862	0.193	0.37505	3.82E-03	1.40E-05	1.01E-02	0.013888	3.90E-03	1.38E-05	1.12E-02	1.51E-02	3.70E-03	1.76E-05	2.15E-02	2.52E-02
403	483827.7, 3854221	0.24207	0.19075	0.35888	3.71E-03	1.39E-05	9.63E-03	0.013354	3.80E-03	1.37E-05	1.07E-02	1.45E-02	3.61E-03	1.74E-05	2.06E-02	2.42E-02
404	483877.7, 3854221	0.22773	0.18073	0.33181	3.49E-03	1.32E-05	8.90E-03	0.012407	3.57E-03	1.29E-05	9.90E-03	1.35E-02	3.39E-03	1.64E-05	1.90E-02	2.24E-02
405	489150.19, 3858726.45	0.44568	0.15174	0.27978	6.84E-03	1.10E-05	7.50E-03	0.014354	6.99E-03	1.09E-05	8.35E-03	1.53E-02	6.64E-03	1.38E-05	1.60E-02	2.27E-02
406	489200.19, 3858726.45	0.42432	0.15211	0.277	6.51E-03	1.11E-05	7.43E-03	0.013952	6.65E-03	1.09E-05	8.26E-03	1.49E-02	6.32E-03	1.38E-05	1.59E-02	2.22E-02
407	489150.19, 3858776.45	0.4475	0.14288	0.25879	6.87E-03	1.04E-05	6.94E-03	0.013818	7.02E-03	1.02E-05	7.72E-03	1.47E-02	6.67E-03	1.30E-05	1.48E-02	2.15E-02
408	489200.19, 3858776.45	0.42077	0.14363	0.25736	6.46E-03	1.05E-05	6.90E-03	0.01337	6.60E-03	1.03E-05	7.68E-03	1.43E-02	6.27E-03	1.31E-05	1.47E-02	2.10E-02
409	488919.6, 3856400.76	0.37588	0.27165	0.39558	5.77E-03	1.98E-05	1.06E-02	0.016397	5.89E-03	1.95E-05	1.18E-02	1.77E-02	5.60E-03	2.47E-05	2.27E-02	2.83E-02
410	488919.6, 3856450.76	0.38364	0.28134	0.40435	5.89E-03	2.05E-05	1.08E-02	0.016752	6.02E-03	2.02E-05	1.21E-02	1.81E-02	5.72E-03	2.56E-05	2.32E-02	2.89E-02
411	488969.6, 3856450.76	0.37827	0.28092	0.39883	5.80E-03	2.04E-05	1.07E-02	0.016522	5.93E-03	2.01E-05	1.19E-02	1.78E-02	5.64E-03	2.56E-05	2.28E-02	2.85E-02
412	488919.6, 3856500.76	0.39144	0.29273	0.4132	6.01E-03	2.13E-05	1.11E-02	0.01711	6.14E-03	2.10E-05	1.23E-02	1.85E-02	5.83E-03	2.66E-05	2.37E-02	2.95E-02
413	488969.6, 3856500.76	0.38612	0.29238	0.40777	5.93E-03	2.13E-05	1.09E-02	0.016883	6.05E-03	2.09E-05	1.22E-02	1.82E-02	5.75E-03	2.66E-05	2.34E-02	2.91E-02
414	488919.6, 3856550.76	0.39952	0.30626	0.42245	6.13E-03	2.23E-05	1.13E-02	0.017483	6.26E-03	2.19E-05	1.26E-02	1.89E-02	5.95E-03	2.79E-05	2.42E-02	3.02E-02
415	488969.6, 3856550.76	0.39374	0.30537	0.4165	6.04E-03	2.22E-05	1.12E-02	0.017235	6.17E-03	2.19E-05	1.24E-02	1.86E-02	5.87E-03	2.78E-05	2.39E-02	2.98E-02
416	488819.6, 3856600.76	0.41935	0.32308	0.44382	6.43E-03	2.35E-05	1.19E-02	0.018362	6.58E-03	2.31E-05	1.32E-02	1.98E-02	6.25E-03	2.94E-05	2.54E-02	3.17E-02
417	488869.6, 3856600.76	0.41313	0.32217	0.43738	6.34E-03	2.35E-05	1.17E-02	0.018094	6.48E-03	2.31E-05	1.30E-02	1.95E-02	6.15E-03	2.93E-05	2.51E-02	3.12E-02
418	488919.6, 3856600.76	0.40724	0.3213	0.43134	6.25E-03	2.34E-05	1.16E-02	0.017841	6.39E-03	2.30E-05	1.29E-02	1.93E-02	6.07E-03	2.92E-05	2.47E-02	3.08E-02
419	488819.6, 3856650.76	0.42769	0.34124	0.45348	6.56E-03	2.48E-05	1.22E-02	0.01875	6.71E-03	2.45E-05	1.35E-02	2.03E-02	6.37E-03	3.10E-05	2.60E-02	3.24E-02
420	488869.6, 3856650.76	0.42118	0.33974	0.44674	6.46E-03	2.47E-05	1.20E-02	0.01847	6.60E-03	2.43E-05	1.33E-02	2.00E-02	6.27E-03	3.09E-05	2.56E-02	3.19E-02
421	488819.6, 3856700.76	0.43599	0.36157	0.46329	6.69E-03	2.63E-05	1.24E-02	0.019142	6.84E-03	2.59E-05	1.38E-02	2.07E-02	6.49E-03	3.29E-05	2.65E-02	3.31E-02
422	488869.6, 3856700.76	0.42913	0.35921	0.45615	6.59E-03	2.61E-05	1.22E-02	0.018845	6.73E-03	2.57E-05	1.36E-02	2.04E-02	6.39E-03	3.27E-05	2.61E-02	3.26E-02
423	488819.6, 3856750.76	0.44407	0.38358	0.47292	6.81E-03	2.79E-05	1.27E-02	0.019526	6.96E-03	2.75E-05	1.41E-02	2.11E-02	6.62E-03	3.49E-05	2.71E-02	3.37E-02
424	488869.6, 3856750.76	0.43719	0.38055	0.46574	6.71E-03	2.77E-05	1.25E-02	0.019228	6.85E-03	2.73E-05	1.39E-02	2.08E-02	6.51E-03	3.46E-05	2.67E-02	3.32E-02
425	488819.6, 3857050.76	0.49276	0.5425	0.53471	7.56E-03	3.95E-05	1.43E-02	0.021942	7.73E-03	3.89E-05	1.60E-02	2.37E-02	7.34E-03	4.93E-05	3.06E-02	3.80E-02
426	488869.6, 3857050.76	0.48405	0.53068	0.52518	7.43E-03	3.86E-05	1.41E-02	0.021552	7.59E-03	3.80E-05	1.57E-02	2.33E-02	7.21E-03	4.83E-05	3.01E-02	3.73E-02
427	488919.6, 3857050.76	0.47548	0.51817	0.5159	7.30E-03	3.77E-05	1.38E-02	0.021171	7.46E-03	3.71E-05	1.54E-02	2.29E-02	7.08E-03	4.71E-05	2.96E-02	3.67E-02
428	488819.6, 3857100.76	0.50065	0.56819	0.54457	7.68E-03	4.14E-05	1.46E-02	0.02233	7.85E-03	4.07E-05	1.62E-02	2.41E-02	7.46E-03	5.17E-05	3.12E-02	3.87E-02
429	488869.6, 3857100.76	0.49144	0.55328	0.53455	7.54E-03	4.03E-05	1.43E-02	0.021918	7.71E-03	3.96E-05	1.59E-02	2.37E-02	7.32E-03	5.03E-05	3.06E-02	3.80E-02
430	488919.6, 3857100.76	0.48262	0.53902	0.5249	7.41E-03	3.92E-05	1.41E-02	0.021523	7.57E-03	3.86E-05	1.57E-02	2.33E-02	7.19E-03	4.90E-05	3.01E-02	3.73E-02
431	488819.6, 3857150.76	0.50834	0.59039	0.55445	7.80E-03	4.30E-05	1.49E-02	0.022714	7.97E-03	4.23E-05	1.65E-02	2.46E-02	7.57E-03	5.37E-05	3.18E-02	3.94E-02
432	488869.6, 3857150.76	0.49882	0.57361	0.54401	7.65E-03	4.18E-05	1.46E-02	0.022287	7.82E-03	4.11E-05	1.62E-02	2.41E-02	7.43E-03	5.22E-05	3.12E-02	3.86E-02
433	488919.6, 3857150.76	0.48955	0.55755	0.53387	7.51E-03	4.06E-05	1.43E-02	0.021871	7.68E-03	3.99E-05	1.59E-02	2.36E-02	7.29E-03	5.07E-05	3.06E-02	3.79E-02
434	488969.6, 3857150.76	0.48059	0.54223	0.52405	7.37E-03	3.95E-05	1.41E-02	0.021469	7.54E-03	3.89E-05	1.56E-02	2.32E-02	7.16E-03	4.93E-05	3.00E-02	3.72E-02
435	488819.6, 3857200.76	0.51587	0.60923	0.56434	7.92E-03	4.43E-05	1.51E-02	0.023096	8.09E-03	4.37E-05	1.68E-02	2.50E-02	7.68E-03	5.54E-05	3.23E-02	4.01E-02
436	488869.6, 3857200.76	0.506	0.59068	0.55342	7.76E-03	4.30E-05	1.48E-02	0.022651	7.93E-03	4.23E-05	1.65E-02	2.45E-02	7.54E-03	5.37E-05	3.17E-02	3.93E-02
437	488919.6, 3857200.76	0.49637	0.57305	0.54282	7.62E-03	4.17E-05	1.46E-02	0.022217	7.78E-03	4.11E-05	1.62E-02	2.40E-02	7.39E-03	5.21E-05	3.11E-02	3.85E-02
438	488969.6, 3857200.76	0.487	0.55628	0.53254	7.47E-03	4.05E-05	1.43E-02	0.021797	7.64E-03	3.99E-05	1.59E-02	2.36E-02	7.25E-03	5.06E-05	3.05E-02	3.78E-02
439	488819.6, 3857250.76	0.52327	0.62368	0.57418	8.03E-03	4.54E-05	1.54E-02	0.023475	8.20E-03	4.47E-05	1.71E-02	2.54E-02	7.80E-03	5.67E-05	3.29E-02	4.07E-02
440	488869.6, 3857250.76	0.51295	0.60356	0.56272	7.87E-03	4.39E-05	1.51E-02	0.023008	8.04E-03	4.32E-05	1.68E-02	2.49E-02	7.64E-03	5.49E-05	3.22E-02	3.99E-02
441	488919.6, 3857250.76	0.50297	0.58453	0.55165	7.72E-03	4.25E-05	1.48E-02	0.022556	7.89E-03	4.19E-05	1.65E-02	2.44E-02	7.49E-03	5.32E-05	3.16E-02	3.91E-02
442	488969.6, 3857250.76	0.4933	0.56654	0.54092	7.57E-03	4.12E-05	1.45E-02	0.022119	7.73E-03	4.06E-05	1.61E-02	2.39E-02	7.35E-03	5.15E-05	3.10E-02	3.84E-02
443	488819.6, 3857300.76	0.53058	0.63273	0.58373	8.14E-03	4.61E-05	1.57E-02	0.023844	8.32E-03	4.53E-05	1.74E-02	2.58E-02	7.90E-03	5.76E-05	3.34E-02	4.14E-02
444	488869.6, 3857300.76	0.51988	0.61147	0.57168	7.98E-03	4.45E-05	1.53E-02	0.023355	8.15E-03	4.38E-05	1.71E-02	2.52E-02	7.74E-03	5.56E-05	3.27E-02	4.05E-02
445	488919.6, 3857300.76	0.50957	0.59137	0.56001	7.82E-03	4.30E-05	1.50E-02	0.022882	7.99E-03	4.24E-05	1.67E-02	2.47E-02	7.59E-03	5.38E-05	3.21E-02	3.97E-02
446	488819.6, 3857450.76	0.55137	0.62779	0.61036	8.46E-03	4.57E-05	1.64E-02	0.024877	8.64E-03	4.50E-05	1.82E-02	2.69E-02	8.21E-03	5.71E-05	3.50E-02	4.32E-02
447	488869.6, 3857450.76	0.53935	0.60577	0.5967	8.28E-03	4.41E-05	1.60E-02	0.024324	8.46E-03	4.34E-05	1.78E-02	2.63E-02	8.03E-03	5.51E-05	3.42E-02	4.23E-02
448	488919.6, 3857450.76	0.52788	0.58469	0.5832	8.10E-03	4.26E-05	1.56E-02	0.023785	8.28E-03	4.19E-05	1.74E-02	2.57E-02	7.86E-03	5.32E-05	3.34E-02	4.13E-02
449	488819.6, 3857500.76	0.55783	0.61687	0.61887	8.56E-03	4.49E-05	1.66E-02	0.025203	8.75E-03	4.42E-05	1.85E-02	2.73E-02	8.31E-03	5.61E-05	3.55E-02	4.38E-02
450	488869.6, 3857500.76	0.54549	0.59505	0.60428	8.37E-03	4.33E-05	1.62E-02	0.024621	8.55E-03	4.26E-05	1.80E-02	2.66E-02	8.13E-03	5.41E-05	3.46E-02	4.28E-02
451	488919.6, 3857500.76	0.5336	0.57454	0.59027	8.19E-03	4.18E-05	1.58E-02	0.024061	8.37E-03	4.12E-05	1.76E-02	2.60E-02	7.95E-03	5.23E-05	3.38E-02	4.18E-02
452	488819.6, 3857550.76	0.56418	0.60217	0.62681	8.66E-03	4.38E-05	1.68E-02	0.025513	8.85E-03	4.31E-05	1.87E-02	2.76E-02	8.40E-03	5.48E-05	3.59E-02	4.44E-02

453	488869.6, 3857550.76	0.55136	0.58134	0.61171	8.46E-03	4.23E-05	1.64E-02	0.024909	8.64E-03	4.17E-05	1.82E-02	2.69E-02	8.21E-03	5.29E-05	3.50E-02	4.33E-02
454	488919.6, 3857550.76	0.53908	0.56147	0.59695	8.27E-03	4.09E-05	1.60E-02	0.024324	8.45E-03	4.02E-05	1.78E-02	2.63E-02	8.03E-03	5.11E-05	3.42E-02	4.23E-02
455	489663.71, 3860900.05	0.04999	0.0393	0.04784	7.67E-04	2.86E-06	1.28E-03	0.002053	7.84E-04	2.82E-06	1.43E-03	2.21E-03	7.45E-04	3.57E-06	2.74E-03	3.49E-03
456	489813.71, 3860900.05	0.05028	0.03965	0.0483	7.72E-04	2.89E-06	1.30E-03	0.00207	7.88E-04	2.84E-06	1.44E-03	2.23E-03	7.49E-04	3.61E-06	2.77E-03	3.52E-03
457	489863.71, 3860900.05	0.05032	0.03972	0.0484	7.72E-04	2.89E-06	1.30E-03	0.002073	7.89E-04	2.85E-06	1.44E-03	2.24E-03	7.50E-04	3.61E-06	2.77E-03	3.53E-03
458	489913.71, 3860900.05	0.05048	0.03988	0.04862	7.75E-04	2.90E-06	1.30E-03	0.002082	7.91E-04	2.86E-06	1.45E-03	2.24E-03	7.52E-04	3.63E-06	2.79E-03	3.54E-03
459	489963.71, 3860900.05	0.05051	0.03995	0.04871	7.75E-04	2.91E-06	1.31E-03	0.002084	7.92E-04	2.86E-06	1.45E-03	2.25E-03	7.52E-04	3.63E-06	2.79E-03	3.55E-03
460	490013.71, 3860900.05	0.05067	0.04012	0.04893	7.78E-04	2.92E-06	1.31E-03	0.002093	7.94E-04	2.87E-06	1.46E-03	2.26E-03	7.55E-04	3.65E-06	2.80E-03	3.56E-03
461	490063.71, 3860900.05	0.05075	0.04024	0.04908	7.79E-04	2.93E-06	1.32E-03	0.002098	7.96E-04	2.88E-06	1.46E-03	2.26E-03	7.56E-04	3.66E-06	2.81E-03	3.57E-03
462	489663.71, 3860950.05	0.04882	0.03845	0.0467	7.49E-04	2.80E-06	1.25E-03	0.002004	7.65E-04	2.76E-06	1.39E-03	2.16E-03	7.27E-04	3.50E-06	2.68E-03	3.41E-03
463	489813.71, 3860950.05	0.04908	0.0388	0.04714	7.53E-04	2.82E-06	1.26E-03	0.00202	7.70E-04	2.78E-06	1.41E-03	2.18E-03	7.31E-04	3.53E-06	2.70E-03	3.44E-03
464	489863.71, 3860950.05	0.0491	0.03885	0.04721	7.53E-04	2.83E-06	1.27E-03	0.002022	7.70E-04	2.78E-06	1.41E-03	2.18E-03	7.31E-04	3.53E-06	2.70E-03	3.44E-03
465	489913.71, 3860950.05	0.04923	0.03899	0.0474	7.55E-04	2.84E-06	1.27E-03	0.00203	7.72E-04	2.79E-06	1.41E-03	2.19E-03	7.33E-04	3.55E-06	2.72E-03	3.45E-03
466	489963.71, 3860950.05	0.0493	0.03908	0.04752	7.57E-04	2.84E-06	1.27E-03	0.002034	7.73E-04	2.80E-06	1.42E-03	2.19E-03	7.34E-04	3.55E-06	2.72E-03	3.46E-03
467	490013.71, 3860950.05	0.0494	0.0392	0.04769	7.58E-04	2.85E-06	1.28E-03	0.00204	7.75E-04	2.81E-06	1.42E-03	2.20E-03	7.36E-04	3.57E-06	2.73E-03	3.47E-03
468	490063.71, 3860950.05	0.04951	0.03934	0.04786	7.60E-04	2.86E-06	1.28E-03	0.002046	7.76E-04	2.82E-06	1.43E-03	2.21E-03	7.38E-04	3.58E-06	2.74E-03	3.48E-03
469	489513.71, 3861000.05	0.04759	0.03739	0.0453	7.30E-04	2.72E-06	1.21E-03	0.001948	7.46E-04	2.68E-06	1.35E-03	2.10E-03	7.09E-04	3.40E-06	2.59E-03	3.31E-03
470	489563.71, 3861000.05	0.0476	0.03745	0.04538	7.30E-04	2.73E-06	1.22E-03	0.00195	7.46E-04	2.68E-06	1.35E-03	2.10E-03	7.09E-04	3.41E-06	2.60E-03	3.31E-03
471	489613.71, 3861000.05	0.04767	0.03756	0.04552	7.32E-04	2.73E-06	1.22E-03	0.001955	7.47E-04	2.69E-06	1.36E-03	2.11E-03	7.10E-04	3.42E-06	2.61E-03	3.32E-03
472	489663.71, 3861000.05	0.04772	0.03766	0.04564	7.32E-04	2.74E-06	1.22E-03	0.001959	7.48E-04	2.70E-06	1.36E-03	2.11E-03	7.11E-04	3.43E-06	2.61E-03	3.33E-03
473	489713.71, 3861000.05	0.04774	0.03773	0.04572	7.33E-04	2.75E-06	1.23E-03	0.001962	7.49E-04	2.70E-06	1.36E-03	2.12E-03	7.11E-04	3.43E-06	2.62E-03	3.33E-03
474	489763.71, 3861000.05	0.04781	0.03783	0.04584	7.34E-04	2.75E-06	1.23E-03	0.001966	7.50E-04	2.71E-06	1.37E-03	2.12E-03	7.12E-04	3.44E-06	2.63E-03	3.34E-03
475	489813.71, 3861000.05	0.04795	0.03799	0.04604	7.36E-04	2.77E-06	1.23E-03	0.001973	7.52E-04	2.72E-06	1.37E-03	2.13E-03	7.14E-04	3.46E-06	2.64E-03	3.36E-03
476	489863.71, 3861000.05	0.04797	0.03804	0.04611	7.36E-04	2.77E-06	1.24E-03	0.001976	7.52E-04	2.73E-06	1.38E-03	2.13E-03	7.15E-04	3.46E-06	2.64E-03	3.36E-03
477	489913.71, 3861000.05	0.04809	0.03817	0.04629	7.38E-04	2.78E-06	1.24E-03	0.001982	7.54E-04	2.73E-06	1.38E-03	2.14E-03	7.16E-04	3.47E-06	2.65E-03	3.37E-03
478	489963.71, 3861000.05	0.04812	0.03824	0.04637	7.38E-04	2.78E-06	1.24E-03	0.001985	7.54E-04	2.74E-06	1.38E-03	2.14E-03	7.17E-04	3.48E-06	2.66E-03	3.38E-03
479	490013.71, 3861000.05	0.04823	0.03836	0.04653	7.40E-04	2.79E-06	1.25E-03	0.001991	7.56E-04	2.75E-06	1.39E-03	2.15E-03	7.18E-04	3.49E-06	2.67E-03	3.39E-03
480	490063.71, 3861000.05	0.04831	0.03847	0.04668	7.41E-04	2.80E-06	1.25E-03	0.001996	7.57E-04	2.76E-06	1.39E-03	2.15E-03	7.20E-04	3.50E-06	2.67E-03	3.40E-03
481	489513.71, 3861050.05	0.04659	0.03667	0.04434	7.15E-04	2.67E-06	1.19E-03	0.001907	7.30E-04	2.63E-06	1.32E-03	2.06E-03	6.94E-04	3.34E-06	2.54E-03	3.24E-03
482	489563.71, 3861050.05	0.04659	0.03672	0.04441	7.15E-04	2.67E-06	1.19E-03	0.001909	7.30E-04	2.63E-06	1.32E-03	2.06E-03	6.94E-04	3.34E-06	2.54E-03	3.24E-03
483	489613.71, 3861050.05	0.04669	0.03685	0.04458	7.16E-04	2.68E-06	1.20E-03	0.001915	7.32E-04	2.64E-06	1.33E-03	2.06E-03	6.96E-04	3.35E-06	2.55E-03	3.25E-03
484	489663.71, 3861050.05	0.04666	0.03689	0.04461	7.16E-04	2.69E-06	1.20E-03	0.001915	7.32E-04	2.64E-06	1.33E-03	2.07E-03	6.95E-04	3.36E-06	2.56E-03	3.25E-03
485	489713.71, 3861050.05	0.04667	0.03695	0.04467	7.16E-04	2.69E-06	1.20E-03	0.001917	7.32E-04	2.65E-06	1.33E-03	2.07E-03	6.95E-04	3.36E-06	2.56E-03	3.26E-03
486	489763.71, 3861050.05	0.04673	0.03705	0.04479	7.17E-04	2.70E-06	1.20E-03	0.001921	7.33E-04	2.65E-06	1.34E-03	2.07E-03	6.96E-04	3.37E-06	2.57E-03	3.27E-03
487	489813.71, 3861050.05	0.04682	0.03717	0.04494	7.18E-04	2.71E-06	1.21E-03	0.001926	7.34E-04	2.66E-06	1.34E-03	2.08E-03	6.97E-04	3.38E-06	2.57E-03	3.28E-03
488	489863.71, 3861050.05	0.04687	0.03725	0.04504	7.19E-04	2.71E-06	1.21E-03	0.00193	7.35E-04	2.67E-06	1.34E-03	2.08E-03	6.98E-04	3.39E-06	2.58E-03	3.28E-03
489	489913.71, 3861050.05	0.04695	0.03735	0.04517	7.20E-04	2.72E-06	1.21E-03	0.001935	7.36E-04	2.68E-06	1.35E-03	2.09E-03	6.99E-04	3.40E-06	2.59E-03	3.29E-03
490	489963.71, 3861050.05	0.04701	0.03743	0.04528	7.21E-04	2.72E-06	1.21E-03	0.001939	7.37E-04	2.68E-06	1.35E-03	2.09E-03	7.00E-04	3.40E-06	2.59E-03	3.30E-03
491	490013.71, 3861050.05	0.04714	0.03757	0.04547	7.23E-04	2.73E-06	1.22E-03	0.001946	7.39E-04	2.69E-06	1.36E-03	2.10E-03	7.02E-04	3.42E-06	2.60E-03	3.31E-03
492	490063.71, 3861050.05	0.04721	0.03766	0.04559	7.24E-04	2.74E-06	1.22E-03	0.00195	7.40E-04	2.70E-06	1.36E-03	2.10E-03	7.03E-04	3.43E-06	2.61E-03	3.32E-03
493	489513.71, 3861100.05	0.0457	0.03604	0.04348	7.01E-04	2.62E-06	1.17E-03	0.00187	7.17E-04	2.58E-06	1.30E-03	2.02E-03	6.81E-04	3.28E-06	2.49E-03	3.17E-03
494	489563.71, 3861100.05	0.0456	0.03601	0.04345	7.00E-04	2.62E-06	1.17E-03	0.001868	7.15E-04	2.58E-06	1.30E-03	2.01E-03	6.79E-04	3.28E-06	2.49E-03	3.17E-03
495	489613.71, 3861100.05	0.04551	0.03598	0.04342	6.98E-04	2.62E-06	1.16E-03	0.001866	7.14E-04	2.58E-06	1.30E-03	2.01E-03	6.78E-04	3.27E-06	2.49E-03	3.17E-03
496	489663.71, 3861100.05	0.04555	0.03607	0.04352	6.99E-04	2.63E-06	1.17E-03	0.001869	7.14E-04	2.58E-06	1.30E-03	2.02E-03	6.79E-04	3.28E-06	2.49E-03	3.17E-03
497	489713.71, 3861100.05	0.0456	0.03616	0.04363	7.00E-04	2.63E-06	1.17E-03	0.001873	7.15E-04	2.59E-06	1.30E-03	2.02E-03	6.79E-04	3.29E-06	2.50E-03	3.18E-03
498	489763.71, 3861100.05	0.04565	0.03626	0.04374	7.01E-04	2.64E-06	1.17E-03	0.001876	7.16E-04	2.60E-06	1.30E-03	2.02E-03	6.80E-04	3.30E-06	2.51E-03	3.19E-03
499	489813.71, 3861100.05	0.04573	0.03637	0.04388	7.02E-04	2.65E-06	1.18E-03	0.001881	7.17E-04	2.61E-06	1.31E-03	2.03E-03	6.81E-04	3.31E-06	2.51E-03	3.20E-03
500	489863.71, 3861100.05	0.04586	0.03651	0.04405	7.04E-04	2.66E-06	1.18E-03	0.001888	7.19E-04	2.62E-06	1.31E-03	2.04E-03	6.83E-04	3.32E-06	2.52E-03	3.21E-03
501	489913.71, 3861100.05	0.04587	0.03657	0.04412	7.04E-04	2.66E-06	1.18E-03	0.00189	7.19E-04	2.62E-06	1.32E-03	2.04E-03	6.83E-04	3.33E-06	2.53E-03	3.21E-03
502	489963.71, 3861100.05	0.04595	0.03666	0.04424	7.05E-04	2.67E-06	1.19E-03	0.001894	7.20E-04	2.63E-06	1.32E-03	2.04E-03	6.85E-04	3.33E-06	2.53E-03	3.22E-03
503	490013.71, 3861100.05	0.04599	0.03673	0.04433	7.06E-04	2.67E-06	1.19E-03	0.001897	7.21E-04	2.63E-06	1.32E-03	2.05E-03	6.85E-04	3.34E-06	2.54E-03	3.23E-03
504	490063.71, 3861100.05	0.04607	0.03683	0.04447	7.07E-04	2.68E-06	1.19E-03	0.001902	7.22E-04	2.64E-06	1.33E-03	2.05E-03	6.86E-04	3.35E-06	2.55E-03	3.24E-03
505	489713.71, 3861150.05	0.04458	0.03541	0.04265	6.84E-04	2.58E-06	1.14E-03	0.001831	6.99E-04	2.54E-06	1.27E-03	1.97E-03	6.64E-04	3.22E-06	2.44E-03	3.11E-03
506	489763.71, 3861150.05	0.04465	0.03552	0.04276	6.85E-04	2.59E-06	1.15E-03	0.001835	7.00E-04	2.55E-06	1.28E-03	1.98E-03	6.65E-04	3.23E-06	2.45E-03	3.12E-03
507	489813.71, 3861150.05	0.04472	0.03563	0.04289	6.86E-04	2.59E-06	1.15E-03	0.001839	7.01E-04	2.55E-06	1.28E-03	1.98E-03	6.66E-04	3.24E-06	2.46E-03	3.13E-03
508	489863.71, 3861150.05	0.04478	0.03572	0.043	6.87E-04	2.60E-06	1.15E-03	0.001843	7.02E-04	2.56E-06	1.28E-03	1.99E-03	6.67E-04	3.25E-06	2.46E-03	3.13E-03
509	489913.71, 3861150.05	0.04483	0.0358	0.04309	6.88E-04	2.61E-06	1.16E-03	0.001846	7.03E-04	2.57E-06	1.29E-03	1.99E-03	6.68E-04	3.26E-06	2.47E-03	3.14E-03

510	489963.71, 3861150.05	0.04486	0.03587	0.04318	6.88E-04	2.61E-06	1.16E-03	0.001849	7.03E-04	2.57E-06	1.29E-03	1.99E-03	6.68E-04	3.26E-06	2.47E-03	3.15E-03
511	490013.71, 3861150.05	0.04491	0.03594	0.04327	6.89E-04	2.62E-06	1.16E-03	0.001852	7.04E-04	2.58E-06	1.29E-03	2.00E-03	6.69E-04	3.27E-06	2.48E-03	3.15E-03
512	490063.71, 3861150.05	0.04501	0.03606	0.04342	6.91E-04	2.62E-06	1.16E-03	0.001858	7.06E-04	2.58E-06	1.30E-03	2.00E-03	6.71E-04	3.28E-06	2.49E-03	3.16E-03
513	489613.71, 3861200.05	0.04352	0.03453	0.04149	6.68E-04	2.51E-06	1.11E-03	0.001783	6.82E-04	2.47E-06	1.24E-03	1.92E-03	6.48E-04	3.14E-06	2.38E-03	3.03E-03
514	489663.71, 3861200.05	0.04357	0.03461	0.0416	6.69E-04	2.52E-06	1.12E-03	0.001787	6.83E-04	2.48E-06	1.24E-03	1.93E-03	6.49E-04	3.15E-06	2.38E-03	3.04E-03
515	489713.71, 3861200.05	0.04362	0.0347	0.04171	6.69E-04	2.53E-06	1.12E-03	0.001791	6.84E-04	2.49E-06	1.24E-03	1.93E-03	6.50E-04	3.16E-06	2.39E-03	3.04E-03
516	489763.71, 3861200.05	0.04367	0.03479	0.04182	6.70E-04	2.53E-06	1.12E-03	0.001794	6.85E-04	2.49E-06	1.25E-03	1.93E-03	6.51E-04	3.16E-06	2.40E-03	3.05E-03
517	489813.71, 3861200.05	0.04374	0.0349	0.04193	6.71E-04	2.54E-06	1.12E-03	0.001798	6.86E-04	2.50E-06	1.25E-03	1.94E-03	6.52E-04	3.17E-06	2.40E-03	3.06E-03
518	489863.71, 3861200.05	0.04383	0.03502	0.04207	6.73E-04	2.55E-06	1.13E-03	0.001803	6.87E-04	2.51E-06	1.26E-03	1.94E-03	6.53E-04	3.19E-06	2.41E-03	3.07E-03
519	489913.71, 3861200.05	0.04386	0.03509	0.04215	6.73E-04	2.55E-06	1.13E-03	0.001806	6.88E-04	2.51E-06	1.26E-03	1.95E-03	6.53E-04	3.19E-06	2.41E-03	3.07E-03
520	489963.71, 3861200.05	0.04388	0.03515	0.04222	6.73E-04	2.56E-06	1.13E-03	0.001808	6.88E-04	2.52E-06	1.26E-03	1.95E-03	6.54E-04	3.20E-06	2.42E-03	3.08E-03
521	490013.71, 3861200.05	0.04395	0.03524	0.04232	6.74E-04	2.57E-06	1.14E-03	0.001812	6.89E-04	2.53E-06	1.26E-03	1.95E-03	6.55E-04	3.21E-06	2.42E-03	3.08E-03
522	490063.71, 3861200.05	0.04399	0.03531	0.04242	6.75E-04	2.57E-06	1.14E-03	0.001815	6.90E-04	2.53E-06	1.27E-03	1.96E-03	6.55E-04	3.21E-06	2.43E-03	3.09E-03
523	489513.71, 3861250.05	0.04253	0.03376	0.04039	6.53E-04	2.46E-06	1.08E-03	0.001738	6.67E-04	2.42E-06	1.20E-03	1.87E-03	6.34E-04	3.07E-06	2.31E-03	2.95E-03
524	489563.71, 3861250.05	0.0426	0.03383	0.04052	6.54E-04	2.46E-06	1.09E-03	0.001743	6.68E-04	2.42E-06	1.21E-03	1.88E-03	6.35E-04	3.08E-06	2.32E-03	2.96E-03
525	489613.71, 3861250.05	0.04265	0.0339	0.04064	6.54E-04	2.47E-06	1.09E-03	0.001747	6.69E-04	2.43E-06	1.21E-03	1.88E-03	6.35E-04	3.08E-06	2.33E-03	2.97E-03
526	489663.71, 3861250.05	0.04266	0.03395	0.04072	6.55E-04	2.47E-06	1.09E-03	0.001749	6.69E-04	2.43E-06	1.21E-03	1.89E-03	6.36E-04	3.09E-06	2.33E-03	2.97E-03
527	489713.71, 3861250.05	0.04271	0.03402	0.04082	6.55E-04	2.48E-06	1.09E-03	0.001753	6.70E-04	2.44E-06	1.22E-03	1.89E-03	6.36E-04	3.09E-06	2.34E-03	2.98E-03
528	489763.71, 3861250.05	0.04276	0.03411	0.04092	6.56E-04	2.48E-06	1.10E-03	0.001756	6.70E-04	2.44E-06	1.22E-03	1.89E-03	6.37E-04	3.10E-06	2.34E-03	2.98E-03
529	489813.71, 3861250.05	0.04281	0.0342	0.04102	6.57E-04	2.49E-06	1.10E-03	0.00176	6.71E-04	2.45E-06	1.22E-03	1.90E-03	6.38E-04	3.11E-06	2.35E-03	2.99E-03
530	489863.71, 3861250.05	0.04286	0.03429	0.04112	6.58E-04	2.50E-06	1.10E-03	0.001763	6.72E-04	2.46E-06	1.23E-03	1.90E-03	6.38E-04	3.12E-06	2.36E-03	3.00E-03
531	489913.71, 3861250.05	0.04293	0.03439	0.04124	6.59E-04	2.50E-06	1.11E-03	0.001767	6.73E-04	2.46E-06	1.23E-03	1.91E-03	6.40E-04	3.13E-06	2.36E-03	3.01E-03
532	489963.71, 3861250.05	0.04298	0.03448	0.04133	6.60E-04	2.51E-06	1.11E-03	0.001771	6.74E-04	2.47E-06	1.23E-03	1.91E-03	6.40E-04	3.14E-06	2.37E-03	3.01E-03
533	490013.71, 3861250.05	0.04302	0.03455	0.04142	6.60E-04	2.51E-06	1.11E-03	0.001774	6.75E-04	2.48E-06	1.24E-03	1.91E-03	6.41E-04	3.14E-06	2.37E-03	3.02E-03
534	490063.71, 3861250.05	0.04303	0.0346	0.04147	6.60E-04	2.52E-06	1.11E-03	0.001775	6.75E-04	2.48E-06	1.24E-03	1.91E-03	6.41E-04	3.15E-06	2.38E-03	3.02E-03
535	489528.13, 3861308.47	0.04151	0.03304	0.03943	6.37E-04	2.41E-06	1.06E-03	0.001697	6.51E-04	2.37E-06	1.18E-03	1.83E-03	6.18E-04	3.01E-06	2.26E-03	2.88E-03
536	489578.13, 3861308.47	0.04156	0.0331	0.03954	6.38E-04	2.41E-06	1.06E-03	0.001701	6.52E-04	2.37E-06	1.18E-03	1.83E-03	6.19E-04	3.01E-06	2.27E-03	2.89E-03
537	489628.13, 3861308.47	0.0416	0.03315	0.03964	6.38E-04	2.41E-06	1.06E-03	0.001704	6.52E-04	2.38E-06	1.18E-03	1.84E-03	6.20E-04	3.02E-06	2.27E-03	2.89E-03
538	489678.13, 3861308.47	0.04165	0.03321	0.03975	6.39E-04	2.42E-06	1.07E-03	0.001708	6.53E-04	2.38E-06	1.19E-03	1.84E-03	6.20E-04	3.02E-06	2.28E-03	2.90E-03
539	489728.13, 3861308.47	0.0417	0.03329	0.03985	6.40E-04	2.42E-06	1.07E-03	0.001711	6.54E-04	2.39E-06	1.19E-03	1.85E-03	6.21E-04	3.03E-06	2.28E-03	2.91E-03
540	489778.13, 3861308.47	0.04172	0.03335	0.03993	6.40E-04	2.43E-06	1.07E-03	0.001714	6.54E-04	2.39E-06	1.19E-03	1.85E-03	6.22E-04	3.03E-06	2.29E-03	2.91E-03
541	489678.13, 3861358.47	0.0408	0.03259	0.03892	6.26E-04	2.37E-06	1.04E-03	0.001672	6.40E-04	2.34E-06	1.16E-03	1.80E-03	6.08E-04	2.96E-06	2.23E-03	2.84E-03
542	489728.13, 3861358.47	0.04083	0.03265	0.03901	6.27E-04	2.38E-06	1.05E-03	0.001675	6.40E-04	2.34E-06	1.16E-03	1.81E-03	6.08E-04	2.97E-06	2.23E-03	2.85E-03
543	489528.13, 3861408.47	0.03985	0.03187	0.03781	6.12E-04	2.32E-06	1.01E-03	0.001628	6.25E-04	2.28E-06	1.13E-03	1.76E-03	5.94E-04	2.90E-06	2.17E-03	2.76E-03
544	489578.13, 3861408.47	0.03989	0.03191	0.03792	6.12E-04	2.32E-06	1.02E-03	0.001631	6.25E-04	2.29E-06	1.13E-03	1.76E-03	5.94E-04	2.90E-06	2.17E-03	2.77E-03
545	489628.13, 3861408.47	0.03999	0.03199	0.03807	6.14E-04	2.33E-06	1.02E-03	0.001637	6.27E-04	2.29E-06	1.14E-03	1.77E-03	5.96E-04	2.91E-06	2.18E-03	2.78E-03
546	489678.13, 3861408.47	0.04	0.03201	0.03814	6.14E-04	2.33E-06	1.02E-03	0.001639	6.27E-04	2.29E-06	1.14E-03	1.77E-03	5.96E-04	2.91E-06	2.18E-03	2.78E-03
547	489728.13, 3861408.47	0.04001	0.03204	0.0382	6.14E-04	2.33E-06	1.02E-03	0.001641	6.27E-04	2.30E-06	1.14E-03	1.77E-03	5.96E-04	2.91E-06	2.19E-03	2.79E-03
548	489528.13, 3861458.47	0.03909	0.03135	0.03708	6.00E-04	2.28E-06	9.95E-04	0.001597	6.13E-04	2.25E-06	1.11E-03	1.72E-03	5.82E-04	2.85E-06	2.12E-03	2.71E-03
549	489578.13, 3861458.47	0.03914	0.03138	0.03719	6.01E-04	2.28E-06	9.97E-04	0.0016	6.14E-04	2.25E-06	1.11E-03	1.73E-03	5.83E-04	2.85E-06	2.13E-03	2.72E-03
550	489628.13, 3861458.47	0.03918	0.03141	0.03728	6.01E-04	2.29E-06	1.00E-03	0.001603	6.14E-04	2.25E-06	1.11E-03	1.73E-03	5.84E-04	2.86E-06	2.14E-03	2.72E-03
551	489678.13, 3861458.47	0.0392	0.03143	0.03736	6.02E-04	2.29E-06	1.00E-03	0.001606	6.15E-04	2.25E-06	1.11E-03	1.73E-03	5.84E-04	2.86E-06	2.14E-03	2.73E-03
552	489728.13, 3861458.47	0.03918	0.03143	0.03738	6.01E-04	2.29E-06	1.00E-03	0.001606	6.14E-04	2.25E-06	1.12E-03	1.73E-03	5.84E-04	2.86E-06	2.14E-03	2.73E-03
553	489528.13, 3861508.47	0.03835	0.03082	0.03636	5.88E-04	2.24E-06	9.75E-04	0.001566	6.01E-04	2.21E-06	1.08E-03	1.69E-03	5.71E-04	2.80E-06	2.08E-03	2.66E-03
554	489578.13, 3861508.47	0.03837	0.03084	0.03644	5.89E-04	2.24E-06	9.77E-04	0.001568	6.02E-04	2.21E-06	1.09E-03	1.69E-03	5.72E-04	2.81E-06	2.09E-03	2.66E-03
555	489628.13, 3861508.47	0.0384	0.03085	0.03652	5.89E-04	2.25E-06	9.79E-04	0.001571	6.02E-04	2.21E-06	1.09E-03	1.69E-03	5.72E-04	2.81E-06	2.09E-03	2.67E-03
556	489678.13, 3861508.47	0.0384	0.03086	0.03658	5.89E-04	2.25E-06	9.81E-04	0.001573	6.02E-04	2.21E-06	1.09E-03	1.70E-03	5.72E-04	2.81E-06	2.10E-03	2.67E-03
557	489728.13, 3861508.47	0.0384	0.03086	0.03663	5.89E-04	2.25E-06	9.82E-04	0.001574	6.02E-04	2.21E-06	1.09E-03	1.70E-03	5.72E-04	2.81E-06	2.10E-03	2.67E-03
558	489628.13, 3861558.47	0.03769	0.03036	0.03584	5.78E-04	2.21E-06	9.61E-04	0.001542	5.91E-04	2.18E-06	1.07E-03	1.66E-03	5.61E-04	2.76E-06	2.05E-03	2.62E-03
559	489678.13, 3861558.47	0.03775	0.03039	0.03594	5.79E-04	2.21E-06	9.64E-04	0.001545	5.92E-04	2.18E-06	1.07E-03	1.67E-03	5.62E-04	2.76E-06	2.06E-03	2.62E-03
560	489728.13, 3861558.47	0.03775	0.0304	0.036	5.79E-04	2.21E-06	9.66E-04	0.001547	5.92E-04	2.18E-06	1.07E-03	1.67E-03	5.62E-04	2.77E-06	2.06E-03	2.63E-03
561	489357.08, 3861015.81	0.0472	0.03699	0.04469	7.24E-04	2.69E-06	1.20E-03	0.001926	7.40E-04	2.65E-06	1.33E-03	2.08E-03	7.03E-04	3.36E-06	2.56E-03	3.27E-03
562	489407.08, 3861015.81	0.04717	0.03699	0.04472	7.24E-04	2.69E-06	1.20E-03	0.001926	7.40E-04	2.65E-06	1.33E-03	2.08E-03	7.03E-04	3.36E-06	2.56E-03	3.27E-03
563	489457.08, 3861015.81	0.04718	0.03703	0.04481	7.24E-04	2.70E-06	1.20E-03	0.001929	7.40E-04	2.65E-06	1.34E-03	2.08E-03	7.03E-04	3.37E-06	2.57E-03	3.27E-03
564	489357.08, 3861065.81	0.04619	0.03629	0.04372	7.09E-04	2.64E-06	1.17E-03	0.001884	7.24E-04	2.60E-06	1.30E-03	2.03E-03	6.88E-04	3.30E-06	2.50E-03	3.20E-03
565	489407.08, 3861065.81	0.04615	0.03628	0.04375	7.08E-04	2.64E-06	1.17E-03	0.001884	7.24E-04	2.60E-06	1.31E-03	2.03E-03	6.88E-04	3.30E-06	2.51E-03	3.20E-03
566	489457.08, 3861065.81	0.04617	0.03632	0.04384	7.08E-04	2.64E-06	1.18E-03	0.001887	7.24E-04	2.60E-06	1.31E-03	2.03E-03	6.88E-04	3.30E-06	2.51E-03	3.20E-03

567	489357.08, 3861115.81	0.0452	0.0356	0.04277	6.94E-04	2.59E-06	1.15E-03	0.001843	7.09E-04	2.55E-06	1.28E-03	1.99E-03	6.73E-04	3.24E-06	2.45E-03	3.13E-03
568	489407.08, 3861115.81	0.04523	0.03563	0.04287	6.94E-04	2.59E-06	1.15E-03	0.001846	7.09E-04	2.55E-06	1.28E-03	1.99E-03	6.74E-04	3.24E-06	2.46E-03	3.13E-03
569	489457.08, 3861115.81	0.04525	0.03568	0.04296	6.94E-04	2.60E-06	1.15E-03	0.001849	7.09E-04	2.56E-06	1.28E-03	1.99E-03	6.74E-04	3.25E-06	2.46E-03	3.14E-03
570	489407.08, 3861165.81	0.04432	0.03501	0.042	6.80E-04	2.55E-06	1.13E-03	0.001809	6.95E-04	2.51E-06	1.25E-03	1.95E-03	6.60E-04	3.18E-06	2.41E-03	3.07E-03
571	489457.08, 3861165.81	0.0443	0.035	0.04204	6.80E-04	2.55E-06	1.13E-03	0.00181	6.95E-04	2.51E-06	1.25E-03	1.95E-03	6.60E-04	3.18E-06	2.41E-03	3.07E-03
572	489407.08, 3861215.81	0.04323	0.03423	0.04093	6.63E-04	2.49E-06	1.10E-03	0.001764	6.78E-04	2.45E-06	1.22E-03	1.90E-03	6.44E-04	3.11E-06	2.34E-03	2.99E-03
573	489457.08, 3861215.81	0.04323	0.03425	0.041	6.63E-04	2.49E-06	1.10E-03	0.001766	6.78E-04	2.45E-06	1.22E-03	1.90E-03	6.44E-04	3.12E-06	2.35E-03	3.00E-03
574	489407.08, 3861265.81	0.04216	0.03348	0.0399	6.47E-04	2.44E-06	1.07E-03	0.00172	6.61E-04	2.40E-06	1.19E-03	1.85E-03	6.28E-04	3.05E-06	2.29E-03	2.92E-03
575	489457.08, 3861265.81	0.04222	0.03353	0.04001	6.48E-04	2.44E-06	1.07E-03	0.001723	6.62E-04	2.40E-06	1.19E-03	1.86E-03	6.29E-04	3.05E-06	2.29E-03	2.92E-03
576	489309.86, 3861110.14	0.04525	0.03563	0.04275	6.94E-04	2.59E-06	1.15E-03	0.001844	7.09E-04	2.55E-06	1.28E-03	1.99E-03	6.74E-04	3.24E-06	2.45E-03	3.13E-03
577	489407.08, 3861315.81	0.04129	0.03288	0.03906	6.34E-04	2.39E-06	1.05E-03	0.001684	6.47E-04	2.36E-06	1.17E-03	1.81E-03	6.15E-04	2.99E-06	2.24E-03	2.86E-03
578	489457.08, 3861315.81	0.04135	0.03292	0.03918	6.35E-04	2.40E-06	1.05E-03	0.001688	6.48E-04	2.36E-06	1.17E-03	1.82E-03	6.16E-04	2.99E-06	2.24E-03	2.86E-03
579	488906.03, 3861006.75	0.04739	0.03678	0.04446	7.27E-04	2.68E-06	1.19E-03	0.001922	7.43E-04	2.64E-06	1.33E-03	2.07E-03	7.06E-04	3.35E-06	2.55E-03	3.26E-03
580	488956.03, 3861006.75	0.04754	0.03701	0.04466	7.30E-04	2.69E-06	1.20E-03	0.00193	7.45E-04	2.65E-06	1.33E-03	2.08E-03	7.08E-04	3.37E-06	2.56E-03	3.27E-03
581	488904.24, 3861051.87	0.04698	0.03652	0.04419	7.21E-04	2.66E-06	1.19E-03	0.001909	7.37E-04	2.62E-06	1.32E-03	2.06E-03	7.00E-04	3.32E-06	2.53E-03	3.23E-03
582	488954.24, 3861051.87	0.04678	0.03647	0.04399	7.18E-04	2.65E-06	1.18E-03	0.0019	7.33E-04	2.61E-06	1.31E-03	2.05E-03	6.97E-04	3.32E-06	2.52E-03	3.22E-03
583	489004.24, 3861051.87	0.04697	0.03672	0.04423	7.21E-04	2.67E-06	1.19E-03	0.00191	7.36E-04	2.63E-06	1.32E-03	2.06E-03	7.00E-04	3.34E-06	2.53E-03	3.24E-03
584	488804.24, 3861101.87	0.04563	0.03522	0.0428	7.00E-04	2.56E-06	1.15E-03	0.001851	7.15E-04	2.52E-06	1.28E-03	1.99E-03	6.80E-04	3.20E-06	2.45E-03	3.13E-03
585	488854.24, 3861101.87	0.04576	0.03547	0.04298	7.02E-04	2.58E-06	1.15E-03	0.001858	7.17E-04	2.54E-06	1.28E-03	2.00E-03	6.82E-04	3.23E-06	2.46E-03	3.15E-03
586	488904.24, 3861101.87	0.04536	0.03529	0.04257	6.96E-04	2.57E-06	1.14E-03	0.00184	7.11E-04	2.53E-06	1.27E-03	1.98E-03	6.76E-04	3.21E-06	2.44E-03	3.12E-03
587	488954.24, 3861101.87	0.04526	0.03533	0.04249	6.95E-04	2.57E-06	1.14E-03	0.001837	7.10E-04	2.53E-06	1.27E-03	1.98E-03	6.74E-04	3.21E-06	2.43E-03	3.11E-03
588	489004.24, 3861101.87	0.0453	0.03547	0.04256	6.95E-04	2.58E-06	1.14E-03	0.001839	7.10E-04	2.54E-06	1.27E-03	1.98E-03	6.75E-04	3.23E-06	2.44E-03	3.12E-03
589	488804.24, 3861151.87	0.04409	0.03407	0.04128	6.77E-04	2.48E-06	1.11E-03	0.001786	6.91E-04	2.44E-06	1.23E-03	1.93E-03	6.57E-04	3.10E-06	2.36E-03	3.02E-03
590	488854.24, 3861151.87	0.04404	0.03417	0.04126	6.76E-04	2.49E-06	1.11E-03	0.001785	6.91E-04	2.45E-06	1.23E-03	1.92E-03	6.56E-04	3.11E-06	2.36E-03	3.02E-03
591	489129.49, 3861187.55	0.04347	0.03431	0.04089	6.67E-04	2.50E-06	1.10E-03	0.001766	6.82E-04	2.46E-06	1.22E-03	1.90E-03	6.48E-04	3.12E-06	2.34E-03	2.99E-03
592	489179.49, 3861187.55	0.04349	0.03436	0.04094	6.67E-04	2.50E-06	1.10E-03	0.001768	6.82E-04	2.46E-06	1.22E-03	1.91E-03	6.48E-04	3.13E-06	2.35E-03	3.00E-03
593	488804.24, 3861201.87	0.04317	0.03339	0.04042	6.62E-04	2.43E-06	1.08E-03	0.001749	6.77E-04	2.39E-06	1.21E-03	1.89E-03	6.43E-04	3.04E-06	2.32E-03	2.96E-03
594	488854.24, 3861201.87	0.04301	0.0334	0.04029	6.60E-04	2.43E-06	1.08E-03	0.001743	6.74E-04	2.39E-06	1.20E-03	1.88E-03	6.41E-04	3.04E-06	2.31E-03	2.95E-03
595	489129.49, 3861237.55	0.04265	0.03372	0.04013	6.54E-04	2.45E-06	1.08E-03	0.001733	6.69E-04	2.42E-06	1.20E-03	1.87E-03	6.35E-04	3.07E-06	2.30E-03	2.94E-03
596	489179.49, 3861237.55	0.04258	0.03372	0.04009	6.53E-04	2.45E-06	1.08E-03	0.001731	6.68E-04	2.42E-06	1.20E-03	1.87E-03	6.34E-04	3.07E-06	2.30E-03	2.93E-03
597	488804.24, 3861251.87	0.04232	0.03275	0.03963	6.49E-04	2.38E-06	1.06E-03	0.001715	6.64E-04	2.35E-06	1.18E-03	1.85E-03	6.30E-04	2.98E-06	2.27E-03	2.90E-03
598	488854.24, 3861251.87	0.04214	0.03275	0.03948	6.47E-04	2.38E-06	1.06E-03	0.001708	6.61E-04	2.35E-06	1.18E-03	1.84E-03	6.28E-04	2.98E-06	2.26E-03	2.89E-03
599	488804.24, 3861301.87	0.04139	0.03206	0.03876	6.35E-04	2.33E-06	1.04E-03	0.001677	6.49E-04	2.30E-06	1.16E-03	1.81E-03	6.17E-04	2.92E-06	2.22E-03	2.84E-03
600	488854.24, 3861301.87	0.04129	0.03211	0.03869	6.34E-04	2.34E-06	1.04E-03	0.001674	6.47E-04	2.30E-06	1.15E-03	1.80E-03	6.15E-04	2.92E-06	2.22E-03	2.83E-03
601	490943.5, 3860181.97	0.06811	0.05052	0.06575	1.05E-03	3.68E-06	1.76E-03	0.002812	1.07E-03	3.62E-06	1.96E-03	3.03E-03	1.01E-03	4.60E-06	3.77E-03	4.79E-03
602	490993.5, 3860181.97	0.06828	0.05056	0.06592	1.05E-03	3.68E-06	1.77E-03	0.002819	1.07E-03	3.62E-06	1.97E-03	3.04E-03	1.02E-03	4.60E-06	3.78E-03	4.80E-03
603	491043.5, 3860181.97	0.06848	0.05062	0.06612	1.05E-03	3.68E-06	1.77E-03	0.002828	1.07E-03	3.63E-06	1.97E-03	3.05E-03	1.02E-03	4.60E-06	3.79E-03	4.81E-03
604	491093.5, 3860181.97	0.0686	0.05066	0.06625	1.05E-03	3.69E-06	1.78E-03	0.002833	1.08E-03	3.63E-06	1.98E-03	3.06E-03	1.02E-03	4.61E-06	3.80E-03	4.82E-03
605	490943.5, 3860231.97	0.06569	0.04923	0.06356	1.01E-03	3.58E-06	1.70E-03	0.002716	1.03E-03	3.53E-06	1.90E-03	2.93E-03	9.79E-04	4.48E-06	3.64E-03	4.62E-03
606	490993.5, 3860231.97	0.06596	0.04932	0.06384	1.01E-03	3.59E-06	1.71E-03	0.002728	1.03E-03	3.53E-06	1.90E-03	2.94E-03	9.83E-04	4.49E-06	3.66E-03	4.64E-03
607	491043.5, 3860231.97	0.06604	0.04928	0.0639	1.01E-03	3.59E-06	1.71E-03	0.002731	1.04E-03	3.53E-06	1.91E-03	2.95E-03	9.84E-04	4.48E-06	3.66E-03	4.65E-03
608	491093.5, 3860231.97	0.06614	0.04927	0.06399	1.01E-03	3.59E-06	1.72E-03	0.002735	1.04E-03	3.53E-06	1.91E-03	2.95E-03	9.85E-04	4.48E-06	3.67E-03	4.66E-03
609	490943.5, 3860281.97	0.06349	0.04805	0.06156	9.74E-04	3.50E-06	1.65E-03	0.002629	9.95E-04	3.44E-06	1.84E-03	2.84E-03	9.46E-04	4.37E-06	3.53E-03	4.48E-03
610	490993.5, 3860281.97	0.06367	0.04808	0.06175	9.77E-04	3.50E-06	1.66E-03	0.002637	9.98E-04	3.45E-06	1.84E-03	2.84E-03	9.48E-04	4.37E-06	3.54E-03	4.49E-03
611	491043.5, 3860281.97	0.06377	0.04804	0.06183	9.79E-04	3.50E-06	1.66E-03	0.00264	1.00E-03	3.44E-06	1.84E-03	2.85E-03	9.50E-04	4.37E-06	3.54E-03	4.50E-03
612	491093.5, 3860281.97	0.06387	0.04802	0.06192	9.80E-04	3.50E-06	1.66E-03	0.002644	1.00E-03	3.44E-06	1.85E-03	2.85E-03	9.51E-04	4.37E-06	3.55E-03	4.50E-03
613	490943.5, 3860331.97	0.06148	0.04695	0.05972	9.43E-04	3.42E-06	1.60E-03	0.002549	9.64E-04	3.36E-06	1.78E-03	2.75E-03	9.16E-04	4.27E-06	3.42E-03	4.34E-03
614	490993.5, 3860331.97	0.0615	0.04687	0.05973	9.44E-04	3.41E-06	1.60E-03	0.002549	9.64E-04	3.36E-06	1.78E-03	2.75E-03	9.16E-04	4.26E-06	3.42E-03	4.34E-03
615	491043.5, 3860331.97	0.06156	0.04681	0.05979	9.45E-04	3.41E-06	1.60E-03	0.002552	9.65E-04	3.35E-06	1.78E-03	2.75E-03	9.17E-04	4.26E-06	3.43E-03	4.35E-03
616	491093.5, 3860331.97	0.06166	0.04678	0.05988	9.46E-04	3.41E-06	1.61E-03	0.002556	9.67E-04	3.35E-06	1.79E-03	2.76E-03	9.19E-04	4.26E-06	3.43E-03	4.35E-03
617	490086.72, 3859935.12	0.08089	0.05922	0.0772	1.24E-03	4.31E-06	2.07E-03	0.003316	1.27E-03	4.24E-06	2.30E-03	3.58E-03	1.21E-03	5.39E-06	4.42E-03	5.63E-03
618	490136.72, 3859935.12	0.08058	0.05889	0.07693	1.24E-03	4.29E-06	2.06E-03	0.003304	1.26E-03	4.22E-06	2.30E-03	3.56E-03	1.20E-03	5.36E-06	4.41E-03	5.61E-03
619	490186.72, 3859935.12	0.08037	0.05861	0.07674	1.23E-03	4.27E-06	2.06E-03	0.003296	1.26E-03	4.20E-06	2.29E-03	3.55E-03	1.20E-03	5.33E-06	4.40E-03	5.60E-03
620	490236.72, 3859935.12	0.08025	0.05838	0.07662	1.23E-03	4.25E-06	2.05E-03	0.003291	1.26E-03	4.18E-06	2.29E-03	3.55E-03	1.20E-03	5.31E-06	4.39E-03	5.59E-03
621	490286.72, 3859935.12	0.08018	0.05816	0.07654	1.23E-03	4.23E-06	2.05E-03	0.003287	1.26E-03	4.17E-06	2.28E-03	3.54E-03	1.19E-03	5.29E-06	4.38E-03	5.58E-03
622	490336.72, 3859935.12	0.08019	0.05799	0.07651	1.23E-03	4.22E-06	2.05E-03	0.003287	1.26E-03	4.16E-06	2.28E-03	3.54E-03	1.19E-03	5.27E-06	4.38E-03	5.58E-03
623	490386.72, 3859935.12	0.0803	0.05788	0.07659	1.23E-03	4.21E-06	2.05E-03	0.003291	1.26E-03	4.15E-06	2.28E-03	3.55E-03	1.20E-03	5.26E-06	4.39E-03	5.59E-03

624	490436.72, 3859935.12	0.08045	0.0578	0.0767	1.23E-03	4.21E-06	2.06E-03	0.003296	1.26E-03	4.14E-06	2.29E-03	3.55E-03	1.20E-03	5.26E-06	4.39E-03	5.60E-03
625	490486.72, 3859935.12	0.08067	0.05778	0.07689	1.24E-03	4.21E-06	2.06E-03	0.003304	1.26E-03	4.14E-06	2.29E-03	3.56E-03	1.20E-03	5.26E-06	4.40E-03	5.61E-03
626	490536.72, 3859935.12	0.08107	0.05792	0.07732	1.24E-03	4.22E-06	2.07E-03	0.003322	1.27E-03	4.15E-06	2.31E-03	3.58E-03	1.21E-03	5.27E-06	4.43E-03	5.64E-03
627	490586.72, 3859935.12	0.08152	0.05813	0.07783	1.25E-03	4.23E-06	2.09E-03	0.003343	1.28E-03	4.17E-06	2.32E-03	3.60E-03	1.21E-03	5.29E-06	4.46E-03	5.68E-03
628	490636.72, 3859935.12	0.08186	0.05827	0.07819	1.26E-03	4.24E-06	2.10E-03	0.003357	1.28E-03	4.18E-06	2.33E-03	3.62E-03	1.22E-03	5.30E-06	4.48E-03	5.70E-03
629	490686.72, 3859935.12	0.08234	0.0586	0.07884	1.26E-03	4.27E-06	2.11E-03	0.003382	1.29E-03	4.20E-06	2.35E-03	3.65E-03	1.23E-03	5.33E-06	4.52E-03	5.75E-03
630	490736.72, 3859935.12	0.0827	0.05886	0.07932	1.27E-03	4.28E-06	2.13E-03	0.003401	1.30E-03	4.22E-06	2.37E-03	3.67E-03	1.23E-03	5.35E-06	4.54E-03	5.78E-03
631	490086.72, 3859985.12	0.07855	0.05808	0.07514	1.21E-03	4.23E-06	2.02E-03	0.003225	1.23E-03	4.16E-06	2.24E-03	3.48E-03	1.17E-03	5.28E-06	4.30E-03	5.48E-03
632	490136.72, 3859985.12	0.07814	0.0577	0.07477	1.20E-03	4.20E-06	2.01E-03	0.003209	1.23E-03	4.13E-06	2.23E-03	3.46E-03	1.16E-03	5.25E-06	4.28E-03	5.45E-03
633	490186.72, 3859985.12	0.07785	0.05741	0.07453	1.19E-03	4.18E-06	2.00E-03	0.003198	1.22E-03	4.11E-06	2.22E-03	3.45E-03	1.16E-03	5.22E-06	4.27E-03	5.43E-03
634	490236.72, 3859985.12	0.07766	0.05717	0.07439	1.19E-03	4.16E-06	2.00E-03	0.003191	1.22E-03	4.10E-06	2.22E-03	3.44E-03	1.16E-03	5.20E-06	4.26E-03	5.42E-03
635	490286.72, 3859985.12	0.07748	0.05691	0.07422	1.19E-03	4.14E-06	1.99E-03	0.003184	1.21E-03	4.08E-06	2.21E-03	3.43E-03	1.15E-03	5.18E-06	4.25E-03	5.41E-03
636	490336.72, 3859985.12	0.07737	0.05668	0.0741	1.19E-03	4.13E-06	1.99E-03	0.003179	1.21E-03	4.06E-06	2.21E-03	3.43E-03	1.15E-03	5.16E-06	4.24E-03	5.40E-03
637	490386.72, 3859985.12	0.07729	0.05645	0.07398	1.19E-03	4.11E-06	1.98E-03	0.003174	1.21E-03	4.04E-06	2.21E-03	3.42E-03	1.15E-03	5.13E-06	4.24E-03	5.39E-03
638	490436.72, 3859985.12	0.07733	0.0563	0.07398	1.19E-03	4.10E-06	1.98E-03	0.003175	1.21E-03	4.03E-06	2.21E-03	3.42E-03	1.15E-03	5.12E-06	4.24E-03	5.40E-03
639	490486.72, 3859985.12	0.07746	0.05622	0.07409	1.19E-03	4.09E-06	1.99E-03	0.00318	1.21E-03	4.03E-06	2.21E-03	3.43E-03	1.15E-03	5.11E-06	4.24E-03	5.40E-03
640	490536.72, 3859985.12	0.07771	0.05624	0.07433	1.19E-03	4.09E-06	1.99E-03	0.00319	1.22E-03	4.03E-06	2.22E-03	3.44E-03	1.16E-03	5.12E-06	4.26E-03	5.42E-03
641	490586.72, 3859985.12	0.07805	0.05634	0.07469	1.20E-03	4.10E-06	2.00E-03	0.003205	1.22E-03	4.04E-06	2.23E-03	3.46E-03	1.16E-03	5.12E-06	4.28E-03	5.45E-03
642	490636.72, 3859985.12	0.07845	0.05651	0.07513	1.20E-03	4.11E-06	2.02E-03	0.003223	1.23E-03	4.05E-06	2.24E-03	3.48E-03	1.17E-03	5.14E-06	4.30E-03	5.48E-03
643	490686.72, 3859985.12	0.07895	0.0568	0.07575	1.21E-03	4.13E-06	2.03E-03	0.003247	1.24E-03	4.07E-06	2.26E-03	3.50E-03	1.18E-03	5.17E-06	4.34E-03	5.52E-03
644	490736.72, 3859985.12	0.07924	0.05692	0.07607	1.22E-03	4.14E-06	2.04E-03	0.00326	1.24E-03	4.08E-06	2.27E-03	3.52E-03	1.18E-03	5.18E-06	4.36E-03	5.54E-03
645	490786.72, 3859985.12	0.07952	0.05707	0.07638	1.22E-03	4.15E-06	2.05E-03	0.003273	1.25E-03	4.09E-06	2.28E-03	3.53E-03	1.18E-03	5.19E-06	4.38E-03	5.57E-03
646	490086.72, 3860035.12	0.07644	0.05702	0.07329	1.17E-03	4.15E-06	1.97E-03	0.003143	1.20E-03	4.09E-06	2.19E-03	3.39E-03	1.14E-03	5.19E-06	4.20E-03	5.34E-03
647	490136.72, 3860035.12	0.07598	0.05663	0.07287	1.17E-03	4.12E-06	1.95E-03	0.003124	1.19E-03	4.06E-06	2.17E-03	3.37E-03	1.13E-03	5.15E-06	4.17E-03	5.31E-03
648	490186.72, 3860035.12	0.07559	0.05628	0.07252	1.16E-03	4.10E-06	1.95E-03	0.003109	1.19E-03	4.03E-06	2.16E-03	3.35E-03	1.13E-03	5.12E-06	4.15E-03	5.29E-03
649	490236.72, 3860035.12	0.07527	0.05597	0.07225	1.16E-03	4.07E-06	1.94E-03	0.003097	1.18E-03	4.01E-06	2.16E-03	3.34E-03	1.12E-03	5.09E-06	4.14E-03	5.27E-03
650	490286.72, 3860035.12	0.075	0.05567	0.07199	1.15E-03	4.05E-06	1.93E-03	0.003086	1.18E-03	3.99E-06	2.15E-03	3.33E-03	1.12E-03	5.06E-06	4.12E-03	5.25E-03
651	490336.72, 3860035.12	0.07485	0.05545	0.07188	1.15E-03	4.04E-06	1.93E-03	0.00308	1.17E-03	3.97E-06	2.14E-03	3.32E-03	1.12E-03	5.04E-06	4.12E-03	5.24E-03
652	490386.72, 3860035.12	0.07466	0.05518	0.07168	1.15E-03	4.02E-06	1.92E-03	0.003072	1.17E-03	3.95E-06	2.14E-03	3.31E-03	1.11E-03	5.02E-06	4.11E-03	5.22E-03
653	490436.72, 3860035.12	0.07458	0.05497	0.07158	1.14E-03	4.00E-06	1.92E-03	0.003068	1.17E-03	3.94E-06	2.14E-03	3.31E-03	1.11E-03	5.00E-06	4.10E-03	5.22E-03
654	490486.72, 3860035.12	0.0746	0.05483	0.07158	1.14E-03	3.99E-06	1.92E-03	0.003069	1.17E-03	3.93E-06	2.14E-03	3.31E-03	1.11E-03	4.99E-06	4.10E-03	5.22E-03
655	490536.72, 3860035.12	0.07473	0.05477	0.07171	1.15E-03	3.99E-06	1.92E-03	0.003074	1.17E-03	3.92E-06	2.14E-03	3.31E-03	1.11E-03	4.98E-06	4.11E-03	5.23E-03
656	490586.72, 3860035.12	0.07492	0.05475	0.07188	1.15E-03	3.99E-06	1.93E-03	0.003082	1.17E-03	3.92E-06	2.14E-03	3.32E-03	1.12E-03	4.98E-06	4.12E-03	5.24E-03
657	490636.72, 3860035.12	0.07509	0.05472	0.07202	1.15E-03	3.98E-06	1.93E-03	0.003088	1.18E-03	3.92E-06	2.15E-03	3.33E-03	1.12E-03	4.98E-06	4.13E-03	5.25E-03
658	490686.72, 3860035.12	0.07544	0.05484	0.07239	1.16E-03	3.99E-06	1.94E-03	0.003103	1.18E-03	3.93E-06	2.16E-03	3.35E-03	1.12E-03	4.99E-06	4.15E-03	5.28E-03
659	490736.72, 3860035.12	0.07595	0.05513	0.07301	1.17E-03	4.01E-06	1.96E-03	0.003128	1.19E-03	3.95E-06	2.18E-03	3.37E-03	1.13E-03	5.01E-06	4.18E-03	5.32E-03
660	490786.72, 3860035.12	0.07623	0.05523	0.07329	1.17E-03	4.02E-06	1.97E-03	0.003139	1.20E-03	3.96E-06	2.19E-03	3.39E-03	1.14E-03	5.02E-06	4.20E-03	5.34E-03
661	490836.72, 3860035.12	0.07648	0.05533	0.07356	1.17E-03	4.03E-06	1.97E-03	0.003151	1.20E-03	3.96E-06	2.19E-03	3.40E-03	1.14E-03	5.03E-06	4.21E-03	5.36E-03
662	490086.72, 3860085.12	0.07467	0.05617	0.07181	1.15E-03	4.09E-06	1.93E-03	0.003076	1.17E-03	4.02E-06	2.14E-03	3.32E-03	1.11E-03	5.11E-06	4.11E-03	5.23E-03
663	490136.72, 3860085.12	0.07403	0.05562	0.07113	1.14E-03	4.05E-06	1.91E-03	0.003048	1.16E-03	3.99E-06	2.12E-03	3.29E-03	1.10E-03	5.06E-06	4.07E-03	5.18E-03
664	490186.72, 3860085.12	0.07364	0.0553	0.07081	1.13E-03	4.03E-06	1.90E-03	0.003033	1.15E-03	3.96E-06	2.11E-03	3.27E-03	1.10E-03	5.03E-06	4.06E-03	5.16E-03
665	490236.72, 3860085.12	0.07323	0.05494	0.07043	1.12E-03	4.00E-06	1.89E-03	0.003017	1.15E-03	3.94E-06	2.10E-03	3.25E-03	1.09E-03	5.00E-06	4.03E-03	5.13E-03
666	490286.72, 3860085.12	0.07288	0.05461	0.07011	1.12E-03	3.98E-06	1.88E-03	0.003003	1.14E-03	3.91E-06	2.09E-03	3.24E-03	1.09E-03	4.97E-06	4.02E-03	5.11E-03
667	490336.72, 3860085.12	0.07256	0.05429	0.06982	1.11E-03	3.95E-06	1.87E-03	0.00299	1.14E-03	3.89E-06	2.08E-03	3.22E-03	1.08E-03	4.94E-06	4.00E-03	5.09E-03
668	490386.72, 3860085.12	0.07232	0.05401	0.06959	1.11E-03	3.93E-06	1.87E-03	0.00298	1.13E-03	3.87E-06	2.08E-03	3.21E-03	1.08E-03	4.91E-06	3.99E-03	5.07E-03
669	490436.72, 3860085.12	0.07215	0.05377	0.06942	1.11E-03	3.91E-06	1.86E-03	0.002973	1.13E-03	3.85E-06	2.07E-03	3.21E-03	1.07E-03	4.89E-06	3.98E-03	5.06E-03
670	490486.72, 3860085.12	0.07203	0.05355	0.06929	1.11E-03	3.90E-06	1.86E-03	0.002968	1.13E-03	3.84E-06	2.07E-03	3.20E-03	1.07E-03	4.87E-06	3.97E-03	5.05E-03
671	490536.72, 3860085.12	0.07205	0.05343	0.06932	1.11E-03	3.89E-06	1.86E-03	0.002969	1.13E-03	3.83E-06	2.07E-03	3.20E-03	1.07E-03	4.86E-06	3.97E-03	5.05E-03
672	490586.72, 3860085.12	0.07214	0.05335	0.0694	1.11E-03	3.88E-06	1.86E-03	0.002972	1.13E-03	3.82E-06	2.07E-03	3.21E-03	1.07E-03	4.85E-06	3.98E-03	5.06E-03
673	490636.72, 3860085.12	0.07224	0.05327	0.06948	1.11E-03	3.88E-06	1.86E-03	0.002976	1.13E-03	3.82E-06	2.07E-03	3.21E-03	1.08E-03	4.85E-06	3.98E-03	5.06E-03
674	490686.72, 3860085.12	0.07247	0.0533	0.06971	1.11E-03	3.88E-06	1.87E-03	0.002986	1.14E-03	3.82E-06	2.08E-03	3.22E-03	1.08E-03	4.85E-06	3.99E-03	5.08E-03
675	490736.72, 3860085.12	0.07278	0.0534	0.07004	1.12E-03	3.89E-06	1.88E-03	0.002999	1.14E-03	3.83E-06	2.09E-03	3.23E-03	1.08E-03	4.86E-06	4.01E-03	5.10E-03
676	490786.72, 3860085.12	0.07311	0.05353	0.0704	1.12E-03	3.90E-06	1.89E-03	0.003014	1.15E-03	3.84E-06	2.10E-03	3.25E-03	1.09E-03	4.87E-06	4.03E-03	5.13E-03
677	490836.72, 3860085.12	0.07335	0.05358	0.07062	1.13E-03	3.90E-06	1.89E-03	0.003024	1.15E-03	3.84E-06	2.11E-03	3.26E-03	1.09E-03	4.87E-06	4.05E-03	5.14E-03
678	490086.72, 3860135.12	0.07265	0.05499	0.06989	1.11E-03	4.00E-06	1.87E-03	0.002993	1.14E-03	3.94E-06	2.08E-03	3.23E-03	1.08E-03	5.00E-06	4.00E-03	5.09E-03
679	490136.72, 3860135.12	0.0722	0.05464	0.06949	1.11E-03	3.98E-06	1.86E-03	0.002976	1.13E-03	3.92E-06	2.07E-03	3.21E-03	1.08E-03	4.97E-06	3.98E-03	5.06E-03
680	490186.72, 3860135.12	0.07178	0.05431	0.06913	1.10E-03	3.95E-06	1.85E-03	0.00296	1.13E-03	3.89E-06	2.06E-03	3.19E-03	1.07E-03	4.94E-06	3.96E-03	5.03E-03

681	490236.72, 3860135.12	0.07132	0.05393	0.0687	1.09E-03	3.93E-06	1.84E-03	0.002941	1.12E-03	3.86E-06	2.05E-03	3.17E-03	1.06E-03	4.91E-06	3.94E-03	5.00E-03
682	490286.72, 3860135.12	0.07093	0.05359	0.06835	1.09E-03	3.90E-06	1.83E-03	0.002926	1.11E-03	3.84E-06	2.04E-03	3.15E-03	1.06E-03	4.87E-06	3.92E-03	4.98E-03
683	490336.72, 3860135.12	0.07058	0.05327	0.06803	1.08E-03	3.88E-06	1.82E-03	0.002912	1.11E-03	3.82E-06	2.03E-03	3.14E-03	1.05E-03	4.85E-06	3.90E-03	4.95E-03
684	490386.72, 3860135.12	0.07026	0.05295	0.06773	1.08E-03	3.85E-06	1.82E-03	0.002899	1.10E-03	3.79E-06	2.02E-03	3.13E-03	1.05E-03	4.82E-06	3.88E-03	4.93E-03
685	490436.72, 3860135.12	0.06998	0.05265	0.06746	1.07E-03	3.83E-06	1.81E-03	0.002887	1.10E-03	3.77E-06	2.01E-03	3.11E-03	1.04E-03	4.79E-06	3.86E-03	4.91E-03
686	490486.72, 3860135.12	0.06979	0.05241	0.06728	1.07E-03	3.82E-06	1.80E-03	0.002879	1.09E-03	3.76E-06	2.01E-03	3.11E-03	1.04E-03	4.77E-06	3.85E-03	4.90E-03
687	490536.72, 3860135.12	0.06972	0.05224	0.06723	1.07E-03	3.80E-06	1.80E-03	0.002877	1.09E-03	3.74E-06	2.01E-03	3.10E-03	1.04E-03	4.75E-06	3.85E-03	4.89E-03
688	490586.72, 3860135.12	0.06968	0.0521	0.06719	1.07E-03	3.79E-06	1.80E-03	0.002875	1.09E-03	3.73E-06	2.00E-03	3.10E-03	1.04E-03	4.74E-06	3.85E-03	4.89E-03
689	490636.72, 3860135.12	0.0697	0.05198	0.06721	1.07E-03	3.78E-06	1.80E-03	0.002876	1.09E-03	3.72E-06	2.01E-03	3.10E-03	1.04E-03	4.73E-06	3.85E-03	4.89E-03
690	490686.72, 3860135.12	0.06977	0.05189	0.06726	1.07E-03	3.78E-06	1.80E-03	0.002878	1.09E-03	3.72E-06	2.01E-03	3.10E-03	1.04E-03	4.72E-06	3.85E-03	4.90E-03
691	490736.72, 3860135.12	0.06993	0.05188	0.06742	1.07E-03	3.78E-06	1.81E-03	0.002885	1.10E-03	3.72E-06	2.01E-03	3.11E-03	1.04E-03	4.72E-06	3.86E-03	4.91E-03
692	490786.72, 3860135.12	0.07021	0.05196	0.06771	1.08E-03	3.78E-06	1.82E-03	0.002897	1.10E-03	3.72E-06	2.02E-03	3.12E-03	1.05E-03	4.73E-06	3.88E-03	4.93E-03
693	490836.72, 3860135.12	0.0704	0.05197	0.06789	1.08E-03	3.78E-06	1.82E-03	0.002905	1.10E-03	3.72E-06	2.03E-03	3.13E-03	1.05E-03	4.73E-06	3.89E-03	4.94E-03
694	490086.72, 3860185.12	0.0709	0.054	0.06829	1.09E-03	3.93E-06	1.83E-03	0.002923	1.11E-03	3.87E-06	2.04E-03	3.15E-03	1.06E-03	4.91E-06	3.91E-03	4.97E-03
695	490136.72, 3860185.12	0.07051	0.05371	0.06796	1.08E-03	3.91E-06	1.82E-03	0.002909	1.11E-03	3.85E-06	2.03E-03	3.14E-03	1.05E-03	4.89E-06	3.89E-03	4.95E-03
696	490186.72, 3860185.12	0.07007	0.05338	0.06759	1.08E-03	3.89E-06	1.81E-03	0.002892	1.10E-03	3.82E-06	2.02E-03	3.12E-03	1.04E-03	4.86E-06	3.87E-03	4.92E-03
697	490236.72, 3860185.12	0.0696	0.053	0.06715	1.07E-03	3.86E-06	1.80E-03	0.002873	1.09E-03	3.80E-06	2.00E-03	3.10E-03	1.04E-03	4.82E-06	3.85E-03	4.89E-03
698	490286.72, 3860185.12	0.06916	0.05264	0.06674	1.06E-03	3.83E-06	1.79E-03	0.002855	1.08E-03	3.77E-06	1.99E-03	3.08E-03	1.03E-03	4.79E-06	3.82E-03	4.86E-03
699	490336.72, 3860185.12	0.06875	0.05229	0.06636	1.05E-03	3.81E-06	1.78E-03	0.002839	1.08E-03	3.75E-06	1.98E-03	3.06E-03	1.02E-03	4.76E-06	3.80E-03	4.83E-03
700	490386.72, 3860185.12	0.06839	0.05196	0.06602	1.05E-03	3.78E-06	1.77E-03	0.002824	1.07E-03	3.72E-06	1.97E-03	3.05E-03	1.02E-03	4.73E-06	3.78E-03	4.81E-03
701	490436.72, 3860185.12	0.06807	0.05165	0.06573	1.04E-03	3.76E-06	1.76E-03	0.002811	1.07E-03	3.70E-06	1.96E-03	3.03E-03	1.01E-03	4.70E-06	3.77E-03	4.78E-03
702	490486.72, 3860185.12	0.0678	0.05137	0.06548	1.04E-03	3.74E-06	1.76E-03	0.0028	1.06E-03	3.68E-06	1.95E-03	3.02E-03	1.01E-03	4.67E-06	3.75E-03	4.77E-03
703	490536.72, 3860185.12	0.06761	0.05115	0.06532	1.04E-03	3.72E-06	1.75E-03	0.002793	1.06E-03	3.67E-06	1.95E-03	3.01E-03	1.01E-03	4.65E-06	3.74E-03	4.75E-03
704	490586.72, 3860185.12	0.06753	0.05099	0.06526	1.04E-03	3.71E-06	1.75E-03	0.00279	1.06E-03	3.65E-06	1.95E-03	3.01E-03	1.01E-03	4.64E-06	3.74E-03	4.75E-03
705	490636.72, 3860185.12	0.06743	0.05081	0.06516	1.03E-03	3.70E-06	1.75E-03	0.002786	1.06E-03	3.64E-06	1.94E-03	3.00E-03	1.00E-03	4.62E-06	3.73E-03	4.74E-03
706	490686.72, 3860185.12	0.06745	0.0507	0.06518	1.04E-03	3.69E-06	1.75E-03	0.002787	1.06E-03	3.63E-06	1.94E-03	3.01E-03	1.00E-03	4.61E-06	3.73E-03	4.74E-03
707	490736.72, 3860185.12	0.06745	0.05057	0.06516	1.04E-03	3.68E-06	1.75E-03	0.002786	1.06E-03	3.62E-06	1.94E-03	3.01E-03	1.00E-03	4.60E-06	3.73E-03	4.74E-03
708	490786.72, 3860185.12	0.06758	0.05054	0.06529	1.04E-03	3.68E-06	1.75E-03	0.002792	1.06E-03	3.62E-06	1.95E-03	3.01E-03	1.01E-03	4.60E-06	3.74E-03	4.75E-03
709	490836.72, 3860185.12	0.06774	0.05054	0.06545	1.04E-03	3.68E-06	1.76E-03	0.002799	1.06E-03	3.62E-06	1.95E-03	3.02E-03	1.01E-03	4.60E-06	3.75E-03	4.76E-03
710	490086.72, 3860235.12	0.0693	0.05308	0.06686	1.06E-03	3.86E-06	1.79E-03	0.002861	1.09E-03	3.80E-06	1.99E-03	3.08E-03	1.03E-03	4.83E-06	3.83E-03	4.87E-03
711	490136.72, 3860235.12	0.06888	0.05279	0.06649	1.06E-03	3.84E-06	1.78E-03	0.002844	1.08E-03	3.78E-06	1.98E-03	3.07E-03	1.03E-03	4.80E-06	3.81E-03	4.84E-03
712	490186.72, 3860235.12	0.06846	0.05247	0.06612	1.05E-03	3.82E-06	1.77E-03	0.002828	1.07E-03	3.76E-06	1.97E-03	3.05E-03	1.02E-03	4.77E-06	3.79E-03	4.81E-03
713	490236.72, 3860235.12	0.06801	0.05212	0.0657	1.04E-03	3.79E-06	1.76E-03	0.00281	1.07E-03	3.73E-06	1.96E-03	3.03E-03	1.01E-03	4.74E-06	3.76E-03	4.78E-03
714	490286.72, 3860235.12	0.06755	0.05176	0.06528	1.04E-03	3.77E-06	1.75E-03	0.002791	1.06E-03	3.71E-06	1.95E-03	3.01E-03	1.01E-03	4.71E-06	3.74E-03	4.75E-03
715	490336.72, 3860235.12	0.06712	0.0514	0.06488	1.03E-03	3.74E-06	1.74E-03	0.002774	1.05E-03	3.68E-06	1.94E-03	2.99E-03	1.00E-03	4.68E-06	3.72E-03	4.72E-03
716	490386.72, 3860235.12	0.06672	0.05106	0.06451	1.02E-03	3.72E-06	1.73E-03	0.002758	1.05E-03	3.66E-06	1.92E-03	2.97E-03	9.94E-04	4.64E-06	3.70E-03	4.69E-03
717	490436.72, 3860235.12	0.06637	0.05074	0.06419	1.02E-03	3.69E-06	1.72E-03	0.002744	1.04E-03	3.64E-06	1.91E-03	2.96E-03	9.89E-04	4.62E-06	3.68E-03	4.67E-03
718	490486.72, 3860235.12	0.06603	0.05043	0.06388	1.01E-03	3.67E-06	1.71E-03	0.00273	1.04E-03	3.61E-06	1.91E-03	2.94E-03	9.84E-04	4.59E-06	3.66E-03	4.65E-03
719	490536.72, 3860235.12	0.06578	0.05018	0.06365	1.01E-03	3.65E-06	1.71E-03	0.00272	1.03E-03	3.60E-06	1.90E-03	2.93E-03	9.80E-04	4.56E-06	3.65E-03	4.63E-03
720	490586.72, 3860235.12	0.06559	0.04996	0.06349	1.01E-03	3.64E-06	1.70E-03	0.002713	1.03E-03	3.58E-06	1.89E-03	2.93E-03	9.77E-04	4.54E-06	3.64E-03	4.62E-03
721	490636.72, 3860235.12	0.06545	0.04976	0.06336	1.00E-03	3.62E-06	1.70E-03	0.002707	1.03E-03	3.57E-06	1.89E-03	2.92E-03	9.75E-04	4.53E-06	3.63E-03	4.61E-03
722	490686.72, 3860235.12	0.06536	0.0496	0.06329	1.00E-03	3.61E-06	1.70E-03	0.002704	1.02E-03	3.55E-06	1.89E-03	2.92E-03	9.74E-04	4.51E-06	3.63E-03	4.60E-03
723	490736.72, 3860235.12	0.06531	0.04946	0.06324	1.00E-03	3.60E-06	1.70E-03	0.002702	1.02E-03	3.54E-06	1.89E-03	2.91E-03	9.73E-04	4.50E-06	3.62E-03	4.60E-03
724	490786.72, 3860235.12	0.06531	0.04934	0.06323	1.00E-03	3.59E-06	1.70E-03	0.002702	1.02E-03	3.54E-06	1.89E-03	2.91E-03	9.73E-04	4.49E-06	3.62E-03	4.60E-03
725	490086.72, 3860285.12	0.06773	0.05214	0.06543	1.04E-03	3.80E-06	1.75E-03	0.002798	1.06E-03	3.74E-06	1.95E-03	3.02E-03	1.01E-03	4.74E-06	3.75E-03	4.76E-03
726	490136.72, 3860285.12	0.06736	0.05189	0.06511	1.03E-03	3.78E-06	1.75E-03	0.002784	1.06E-03	3.72E-06	1.94E-03	3.00E-03	1.00E-03	4.72E-06	3.73E-03	4.74E-03
727	490186.72, 3860285.12	0.06693	0.05158	0.06472	1.03E-03	3.75E-06	1.74E-03	0.002767	1.05E-03	3.70E-06	1.93E-03	2.98E-03	9.97E-04	4.69E-06	3.71E-03	4.71E-03
728	490236.72, 3860285.12	0.06652	0.05128	0.06435	1.02E-03	3.73E-06	1.73E-03	0.00275	1.04E-03	3.67E-06	1.92E-03	2.97E-03	9.91E-04	4.66E-06	3.69E-03	4.68E-03
729	490286.72, 3860285.12	0.06605	0.05091	0.06391	1.01E-03	3.71E-06	1.71E-03	0.002731	1.04E-03	3.65E-06	1.91E-03	2.95E-03	9.84E-04	4.63E-06	3.66E-03	4.65E-03
730	490336.72, 3860285.12	0.0656	0.05055	0.06349	1.01E-03	3.68E-06	1.70E-03	0.002713	1.03E-03	3.62E-06	1.89E-03	2.93E-03	9.77E-04	4.60E-06	3.64E-03	4.62E-03
731	490386.72, 3860285.12	0.0652	0.05023	0.06313	1.00E-03	3.66E-06	1.69E-03	0.002697	1.02E-03	3.60E-06	1.88E-03	2.91E-03	9.71E-04	4.57E-06	3.62E-03	4.59E-03
732	490436.72, 3860285.12	0.0648	0.04989	0.06276	9.94E-04	3.63E-06	1.68E-03	0.002681	1.02E-03	3.57E-06	1.87E-03	2.89E-03	9.65E-04	4.54E-06	3.60E-03	4.57E-03
733	490486.72, 3860285.12	0.06445	0.04957	0.06243	9.89E-04	3.61E-06	1.67E-03	0.002667	1.01E-03	3.55E-06	1.86E-03	2.88E-03	9.60E-04	4.51E-06	3.58E-03	4.54E-03
734	490536.72, 3860285.12	0.06411	0.04927	0.06212	9.84E-04	3.59E-06	1.67E-03	0.002653	1.01E-03	3.53E-06	1.85E-03	2.86E-03	9.55E-04	4.48E-06	3.56E-03	4.52E-03
735	490586.72, 3860285.12	0.06384	0.049	0.06186	9.80E-04	3.57E-06	1.66E-03	0.002642	1.00E-03	3.51E-06	1.85E-03	2.85E-03	9.51E-04	4.46E-06	3.54E-03	4.50E-03
736	490636.72, 3860285.12	0.06363	0.04878	0.06168	9.76E-04	3.55E-06	1.65E-03	0.002634	9.98E-04	3.50E-06	1.84E-03	2.84E-03	9.48E-04	4.44E-06	3.53E-03	4.49E-03
737	490686.72, 3860285.12	0.06349	0.04859	0.06157	9.74E-04	3.54E-06	1.65E-03	0.002629	9.95E-04	3.48E-06	1.84E-03	2.84E-03	9.46E-04	4.42E-06	3.53E-03	4.48E-03

738	490736.72, 3860285.12	0.06338	0.04842	0.06147	9.73E-04	3.52E-06	1.65E-03	0.002625	9.94E-04	3.47E-06	1.83E-03	2.83E-03	9.44E-04	4.40E-06	3.52E-03	4.47E-03
739	490786.72, 3860285.12	0.06333	0.04829	0.06143	9.72E-04	3.52E-06	1.65E-03	0.002623	9.93E-04	3.46E-06	1.83E-03	2.83E-03	9.43E-04	4.39E-06	3.52E-03	4.47E-03
740	490086.72, 3860335.12	0.06621	0.05119	0.06402	1.02E-03	3.73E-06	1.72E-03	0.002737	1.04E-03	3.67E-06	1.91E-03	2.95E-03	9.86E-04	4.66E-06	3.67E-03	4.66E-03
741	490136.72, 3860335.12	0.06588	0.05099	0.06376	1.01E-03	3.71E-06	1.71E-03	0.002725	1.03E-03	3.65E-06	1.90E-03	2.94E-03	9.81E-04	4.64E-06	3.65E-03	4.64E-03
742	490186.72, 3860335.12	0.06548	0.05072	0.0634	1.00E-03	3.69E-06	1.70E-03	0.002709	1.03E-03	3.63E-06	1.89E-03	2.92E-03	9.75E-04	4.61E-06	3.63E-03	4.61E-03
743	490236.72, 3860335.12	0.0651	0.05045	0.06307	9.99E-04	3.67E-06	1.69E-03	0.002694	1.02E-03	3.61E-06	1.88E-03	2.91E-03	9.70E-04	4.59E-06	3.61E-03	4.59E-03
744	490286.72, 3860335.12	0.06465	0.05011	0.06264	9.92E-04	3.65E-06	1.68E-03	0.002676	1.01E-03	3.59E-06	1.87E-03	2.89E-03	9.63E-04	4.56E-06	3.59E-03	4.56E-03
745	490336.72, 3860335.12	0.0642	0.04975	0.06221	9.85E-04	3.62E-06	1.67E-03	0.002657	1.01E-03	3.56E-06	1.86E-03	2.87E-03	9.56E-04	4.53E-06	3.56E-03	4.52E-03
746	490386.72, 3860335.12	0.06377	0.04942	0.06182	9.79E-04	3.60E-06	1.66E-03	0.00264	1.00E-03	3.54E-06	1.84E-03	2.85E-03	9.50E-04	4.50E-06	3.54E-03	4.50E-03
747	490436.72, 3860335.12	0.06337	0.04908	0.06144	9.72E-04	3.57E-06	1.65E-03	0.002624	9.94E-04	3.52E-06	1.83E-03	2.83E-03	9.44E-04	4.46E-06	3.52E-03	4.47E-03
748	490486.72, 3860335.12	0.06297	0.04875	0.06107	9.66E-04	3.55E-06	1.64E-03	0.002608	9.87E-04	3.49E-06	1.82E-03	2.81E-03	9.38E-04	4.43E-06	3.50E-03	4.44E-03
749	490536.72, 3860335.12	0.06264	0.04846	0.06077	9.61E-04	3.53E-06	1.63E-03	0.002595	9.82E-04	3.47E-06	1.81E-03	2.80E-03	9.33E-04	4.41E-06	3.48E-03	4.42E-03
750	490586.72, 3860335.12	0.0623	0.04816	0.06045	9.56E-04	3.51E-06	1.62E-03	0.002581	9.77E-04	3.45E-06	1.80E-03	2.78E-03	9.28E-04	4.38E-06	3.46E-03	4.40E-03
751	490636.72, 3860335.12	0.06203	0.0479	0.06021	9.52E-04	3.49E-06	1.61E-03	0.00257	9.73E-04	3.43E-06	1.80E-03	2.77E-03	9.24E-04	4.36E-06	3.45E-03	4.38E-03
752	490686.72, 3860335.12	0.06182	0.04767	0.06002	9.49E-04	3.47E-06	1.61E-03	0.002562	9.69E-04	3.42E-06	1.79E-03	2.76E-03	9.21E-04	4.34E-06	3.44E-03	4.36E-03
753	490736.72, 3860335.12	0.06165	0.04748	0.05987	9.46E-04	3.46E-06	1.61E-03	0.002555	9.67E-04	3.40E-06	1.79E-03	2.76E-03	9.18E-04	4.32E-06	3.43E-03	4.35E-03
754	490786.72, 3860335.12	0.06157	0.04734	0.05982	9.45E-04	3.45E-06	1.60E-03	0.002553	9.65E-04	3.39E-06	1.78E-03	2.75E-03	9.17E-04	4.31E-06	3.43E-03	4.35E-03
755	490086.72, 3860385.12	0.06474	0.05026	0.06266	9.93E-04	3.66E-06	1.68E-03	0.002678	1.02E-03	3.60E-06	1.87E-03	2.89E-03	9.64E-04	4.57E-06	3.59E-03	4.56E-03
756	490136.72, 3860385.12	0.06446	0.0501	0.06244	9.89E-04	3.65E-06	1.67E-03	0.002667	1.01E-03	3.59E-06	1.86E-03	2.88E-03	9.60E-04	4.56E-06	3.58E-03	4.54E-03
757	490186.72, 3860385.12	0.06407	0.04984	0.06209	9.83E-04	3.63E-06	1.67E-03	0.002652	1.00E-03	3.57E-06	1.85E-03	2.86E-03	9.54E-04	4.53E-06	3.56E-03	4.52E-03
758	490236.72, 3860385.12	0.0637	0.0496	0.06178	9.77E-04	3.61E-06	1.66E-03	0.002638	9.99E-04	3.55E-06	1.84E-03	2.85E-03	9.49E-04	4.51E-06	3.54E-03	4.49E-03
759	490286.72, 3860385.12	0.06329	0.0493	0.06139	9.71E-04	3.59E-06	1.65E-03	0.002621	9.92E-04	3.53E-06	1.83E-03	2.83E-03	9.43E-04	4.48E-06	3.52E-03	4.46E-03
760	490336.72, 3860385.12	0.06287	0.04898	0.061	9.65E-04	3.57E-06	1.64E-03	0.002604	9.86E-04	3.51E-06	1.82E-03	2.81E-03	9.37E-04	4.46E-06	3.49E-03	4.44E-03
761	490386.72, 3860385.12	0.06244	0.04864	0.06059	9.58E-04	3.54E-06	1.63E-03	0.002587	9.79E-04	3.49E-06	1.81E-03	2.79E-03	9.30E-04	4.42E-06	3.47E-03	4.41E-03
762	490436.72, 3860385.12	0.06202	0.04831	0.0602	9.52E-04	3.52E-06	1.61E-03	0.00257	9.72E-04	3.46E-06	1.80E-03	2.77E-03	9.24E-04	4.39E-06	3.45E-03	4.38E-03
763	490486.72, 3860385.12	0.06164	0.048	0.05985	9.46E-04	3.49E-06	1.61E-03	0.002555	9.66E-04	3.44E-06	1.79E-03	2.76E-03	9.18E-04	4.37E-06	3.43E-03	4.35E-03
764	490536.72, 3860385.12	0.06127	0.04769	0.05951	9.40E-04	3.47E-06	1.60E-03	0.00254	9.61E-04	3.42E-06	1.78E-03	2.74E-03	9.13E-04	4.34E-06	3.41E-03	4.33E-03
765	490586.72, 3860385.12	0.06092	0.04739	0.05918	9.35E-04	3.45E-06	1.59E-03	0.002526	9.55E-04	3.40E-06	1.77E-03	2.72E-03	9.08E-04	4.31E-06	3.39E-03	4.30E-03
766	490636.72, 3860385.12	0.06059	0.0471	0.05888	9.30E-04	3.43E-06	1.58E-03	0.002512	9.50E-04	3.37E-06	1.76E-03	2.71E-03	9.03E-04	4.28E-06	3.37E-03	4.28E-03
767	490686.72, 3860385.12	0.06034	0.04685	0.05865	9.26E-04	3.41E-06	1.57E-03	0.002502	9.46E-04	3.36E-06	1.75E-03	2.70E-03	8.99E-04	4.26E-06	3.36E-03	4.26E-03
768	490736.72, 3860385.12	0.06009	0.04661	0.05843	9.22E-04	3.39E-06	1.57E-03	0.002493	9.42E-04	3.34E-06	1.74E-03	2.69E-03	8.95E-04	4.24E-06	3.35E-03	4.25E-03
769	490786.72, 3860385.12	0.05991	0.04641	0.05827	9.19E-04	3.38E-06	1.56E-03	0.002486	9.39E-04	3.33E-06	1.74E-03	2.68E-03	8.92E-04	4.22E-06	3.34E-03	4.23E-03
770	490136.72, 3860435.12	0.06302	0.04916	0.06109	9.67E-04	3.58E-06	1.64E-03	0.002609	9.88E-04	3.52E-06	1.82E-03	2.81E-03	9.39E-04	4.47E-06	3.50E-03	4.44E-03
771	490186.72, 3860435.12	0.06272	0.04899	0.06085	9.62E-04	3.57E-06	1.63E-03	0.002598	9.83E-04	3.51E-06	1.82E-03	2.80E-03	9.34E-04	4.46E-06	3.49E-03	4.42E-03
772	490236.72, 3860435.12	0.06237	0.04876	0.06054	9.57E-04	3.55E-06	1.62E-03	0.002584	9.78E-04	3.49E-06	1.81E-03	2.79E-03	9.29E-04	4.44E-06	3.47E-03	4.40E-03
773	490286.72, 3860435.12	0.06199	0.0485	0.06019	9.51E-04	3.53E-06	1.61E-03	0.002569	9.72E-04	3.48E-06	1.80E-03	2.77E-03	9.23E-04	4.41E-06	3.45E-03	4.38E-03
774	490336.72, 3860435.12	0.06156	0.04819	0.05979	9.45E-04	3.51E-06	1.60E-03	0.002552	9.65E-04	3.45E-06	1.78E-03	2.75E-03	9.17E-04	4.38E-06	3.43E-03	4.35E-03
775	490386.72, 3860435.12	0.06116	0.04789	0.05942	9.39E-04	3.49E-06	1.59E-03	0.002536	9.59E-04	3.43E-06	1.77E-03	2.74E-03	9.11E-04	4.36E-06	3.40E-03	4.32E-03
776	490436.72, 3860435.12	0.06076	0.04757	0.05904	9.32E-04	3.46E-06	1.58E-03	0.002519	9.53E-04	3.41E-06	1.76E-03	2.72E-03	9.05E-04	4.33E-06	3.38E-03	4.29E-03
777	490486.72, 3860435.12	0.06036	0.04725	0.05866	9.26E-04	3.44E-06	1.57E-03	0.002503	9.46E-04	3.39E-06	1.75E-03	2.70E-03	8.99E-04	4.30E-06	3.36E-03	4.26E-03
778	490536.72, 3860435.12	0.05999	0.04695	0.05832	9.21E-04	3.42E-06	1.56E-03	0.002488	9.41E-04	3.36E-06	1.74E-03	2.68E-03	8.94E-04	4.27E-06	3.34E-03	4.24E-03
779	490586.72, 3860435.12	0.05961	0.04664	0.05797	9.15E-04	3.40E-06	1.55E-03	0.002473	9.35E-04	3.34E-06	1.73E-03	2.67E-03	8.88E-04	4.24E-06	3.32E-03	4.21E-03
780	490636.72, 3860435.12	0.05926	0.04633	0.05764	9.09E-04	3.37E-06	1.55E-03	0.002459	9.29E-04	3.32E-06	1.72E-03	2.65E-03	8.83E-04	4.21E-06	3.30E-03	4.19E-03
781	490686.72, 3860435.12	0.05896	0.04607	0.05737	9.05E-04	3.35E-06	1.54E-03	0.002447	9.24E-04	3.30E-06	1.71E-03	2.64E-03	8.78E-04	4.19E-06	3.29E-03	4.17E-03
782	490736.72, 3860435.12	0.05871	0.04584	0.05715	9.01E-04	3.34E-06	1.53E-03	0.002437	9.21E-04	3.28E-06	1.70E-03	2.63E-03	8.75E-04	4.17E-06	3.27E-03	4.15E-03
783	490786.72, 3860435.12	0.05846	0.0456	0.05692	8.97E-04	3.32E-06	1.53E-03	0.002427	9.17E-04	3.27E-06	1.70E-03	2.62E-03	8.71E-04	4.15E-06	3.26E-03	4.14E-03
784	490136.72, 3860485.12	0.06169	0.04828	0.05984	9.47E-04	3.51E-06	1.60E-03	0.002555	9.67E-04	3.46E-06	1.79E-03	2.76E-03	9.19E-04	4.39E-06	3.43E-03	4.35E-03
785	490186.72, 3860485.12	0.0614	0.04812	0.05961	9.42E-04	3.50E-06	1.60E-03	0.002544	9.63E-04	3.45E-06	1.78E-03	2.74E-03	9.15E-04	4.38E-06	3.41E-03	4.33E-03
786	490236.72, 3860485.12	0.06106	0.04791	0.05931	9.37E-04	3.49E-06	1.59E-03	0.002531	9.57E-04	3.43E-06	1.77E-03	2.73E-03	9.10E-04	4.36E-06	3.40E-03	4.31E-03
787	490286.72, 3860485.12	0.06073	0.0477	0.05903	9.32E-04	3.47E-06	1.58E-03	0.002519	9.52E-04	3.42E-06	1.76E-03	2.72E-03	9.05E-04	4.34E-06	3.38E-03	4.29E-03
788	490336.72, 3860485.12	0.06034	0.04743	0.05866	9.26E-04	3.45E-06	1.57E-03	0.002503	9.46E-04	3.40E-06	1.75E-03	2.70E-03	8.99E-04	4.31E-06	3.36E-03	4.26E-03
789	490386.72, 3860485.12	0.05996	0.04716	0.05832	9.20E-04	3.43E-06	1.56E-03	0.002488	9.40E-04	3.38E-06	1.74E-03	2.68E-03	8.93E-04	4.29E-06	3.34E-03	4.24E-03
790	490436.72, 3860485.12	0.05961	0.04689	0.058	9.15E-04	3.41E-06	1.56E-03	0.002474	9.35E-04	3.36E-06	1.73E-03	2.67E-03	8.88E-04	4.27E-06	3.32E-03	4.21E-03
791	490486.72, 3860485.12	0.05919	0.04657	0.0576	9.08E-04	3.39E-06	1.54E-03	0.002457	9.28E-04	3.34E-06	1.72E-03	2.65E-03	8.82E-04	4.24E-06	3.30E-03	4.19E-03
792	490536.72, 3860485.12	0.05878	0.04624	0.0572	9.02E-04	3.37E-06	1.53E-03	0.002439	9.22E-04	3.31E-06	1.71E-03	2.63E-03	8.76E-04	4.21E-06	3.28E-03	4.16E-03
793	490586.72, 3860485.12	0.05839	0.04592	0.05683	8.96E-04	3.34E-06	1.52E-03	0.002424	9.16E-04	3.29E-06	1.70E-03	2.61E-03	8.70E-04	4.18E-06	3.26E-03	4.13E-03
794	490636.72, 3860485.12	0.05804	0.04563	0.05652	8.91E-04	3.32E-06	1.52E-03	0.00241	9.10E-04	3.27E-06	1.69E-03	2.60E-03	8.65E-04	4.15E-06	3.24E-03	4.11E-03

795	490686.72, 3860485.12	0.05769	0.04533	0.05618	8.85E-04	3.30E-06	1.51E-03	0.002395	9.05E-04	3.25E-06	1.68E-03	2.58E-03	8.59E-04	4.12E-06	3.22E-03	4.08E-03
796	490736.72, 3860485.12	0.0574	0.04507	0.05592	8.81E-04	3.28E-06	1.50E-03	0.002384	9.00E-04	3.23E-06	1.67E-03	2.57E-03	8.55E-04	4.10E-06	3.20E-03	4.06E-03
797	490786.72, 3860485.12	0.05714	0.04483	0.05568	8.77E-04	3.26E-06	1.49E-03	0.002373	8.96E-04	3.21E-06	1.66E-03	2.56E-03	8.51E-04	4.08E-06	3.19E-03	4.04E-03
798	490136.72, 3860535.12	0.06035	0.04736	0.05858	9.26E-04	3.45E-06	1.57E-03	0.002501	9.46E-04	3.39E-06	1.75E-03	2.70E-03	8.99E-04	4.31E-06	3.36E-03	4.26E-03
799	490186.72, 3860535.12	0.06019	0.04732	0.0585	9.24E-04	3.44E-06	1.57E-03	0.002496	9.44E-04	3.39E-06	1.75E-03	2.69E-03	8.97E-04	4.30E-06	3.35E-03	4.25E-03
800	490236.72, 3860535.12	0.05981	0.04708	0.05814	9.18E-04	3.43E-06	1.56E-03	0.002481	9.38E-04	3.37E-06	1.73E-03	2.68E-03	8.91E-04	4.28E-06	3.33E-03	4.23E-03
801	490286.72, 3860535.12	0.05947	0.04688	0.05784	9.13E-04	3.41E-06	1.55E-03	0.002467	9.32E-04	3.36E-06	1.73E-03	2.66E-03	8.86E-04	4.26E-06	3.31E-03	4.20E-03
802	490336.72, 3860535.12	0.05915	0.04667	0.05756	9.08E-04	3.40E-06	1.54E-03	0.002455	9.27E-04	3.34E-06	1.72E-03	2.65E-03	8.81E-04	4.25E-06	3.30E-03	4.18E-03
803	490386.72, 3860535.12	0.05883	0.04645	0.05728	9.03E-04	3.38E-06	1.54E-03	0.002442	9.22E-04	3.33E-06	1.71E-03	2.63E-03	8.76E-04	4.23E-06	3.28E-03	4.16E-03
804	490436.72, 3860535.12	0.05849	0.04621	0.05697	8.98E-04	3.36E-06	1.53E-03	0.002429	9.17E-04	3.31E-06	1.70E-03	2.62E-03	8.71E-04	4.20E-06	3.26E-03	4.14E-03
805	490486.72, 3860535.12	0.05811	0.04593	0.05662	8.92E-04	3.34E-06	1.52E-03	0.002414	9.11E-04	3.29E-06	1.69E-03	2.60E-03	8.66E-04	4.18E-06	3.24E-03	4.11E-03
806	490536.72, 3860535.12	0.05784	0.04572	0.05638	8.88E-04	3.33E-06	1.51E-03	0.002403	9.07E-04	3.28E-06	1.68E-03	2.59E-03	8.62E-04	4.16E-06	3.23E-03	4.10E-03
807	490586.72, 3860535.12	0.0573	0.04528	0.05583	8.79E-04	3.30E-06	1.50E-03	0.00238	8.98E-04	3.24E-06	1.67E-03	2.57E-03	8.54E-04	4.12E-06	3.20E-03	4.06E-03
808	490636.72, 3860535.12	0.0569	0.04496	0.05546	8.73E-04	3.27E-06	1.49E-03	0.002364	8.92E-04	3.22E-06	1.65E-03	2.55E-03	8.48E-04	4.09E-06	3.18E-03	4.03E-03
809	490686.72, 3860535.12	0.05656	0.04467	0.05513	8.68E-04	3.25E-06	1.48E-03	0.00235	8.87E-04	3.20E-06	1.64E-03	2.53E-03	8.43E-04	4.06E-06	3.16E-03	4.00E-03
810	490736.72, 3860535.12	0.05621	0.04438	0.05481	8.63E-04	3.23E-06	1.47E-03	0.002336	8.81E-04	3.18E-06	1.64E-03	2.52E-03	8.37E-04	4.04E-06	3.14E-03	3.98E-03
811	490786.72, 3860535.12	0.05593	0.04413	0.05455	8.58E-04	3.21E-06	1.46E-03	0.002325	8.77E-04	3.16E-06	1.63E-03	2.51E-03	8.33E-04	4.01E-06	3.12E-03	3.96E-03
812	490136.72, 3860585.12	0.05912	0.0465	0.05742	9.07E-04	3.38E-06	1.54E-03	0.002451	9.27E-04	3.33E-06	1.71E-03	2.64E-03	8.81E-04	4.23E-06	3.29E-03	4.17E-03
813	490186.72, 3860585.12	0.05867	0.04623	0.05699	9.00E-04	3.37E-06	1.53E-03	0.002432	9.20E-04	3.31E-06	1.70E-03	2.62E-03	8.74E-04	4.21E-06	3.26E-03	4.14E-03
814	490236.72, 3860585.12	0.05851	0.04618	0.05689	8.98E-04	3.36E-06	1.53E-03	0.002427	9.17E-04	3.31E-06	1.70E-03	2.62E-03	8.72E-04	4.20E-06	3.26E-03	4.13E-03
815	490286.72, 3860585.12	0.05828	0.04607	0.05672	8.94E-04	3.35E-06	1.52E-03	0.002419	9.14E-04	3.30E-06	1.69E-03	2.61E-03	8.68E-04	4.19E-06	3.25E-03	4.12E-03
816	490336.72, 3860585.12	0.05797	0.04589	0.05646	8.90E-04	3.34E-06	1.51E-03	0.002407	9.09E-04	3.29E-06	1.68E-03	2.60E-03	8.64E-04	4.17E-06	3.23E-03	4.10E-03
817	490386.72, 3860585.12	0.05765	0.04568	0.05616	8.85E-04	3.33E-06	1.51E-03	0.002394	9.04E-04	3.27E-06	1.68E-03	2.58E-03	8.59E-04	4.16E-06	3.22E-03	4.08E-03
818	490436.72, 3860585.12	0.05744	0.04556	0.05602	8.81E-04	3.32E-06	1.50E-03	0.002387	9.01E-04	3.26E-06	1.67E-03	2.58E-03	8.56E-04	4.14E-06	3.21E-03	4.07E-03
819	490486.72, 3860585.12	0.05719	0.04539	0.05581	8.78E-04	3.30E-06	1.50E-03	0.002378	8.97E-04	3.25E-06	1.66E-03	2.56E-03	8.52E-04	4.13E-06	3.20E-03	4.05E-03
820	490536.72, 3860585.12	0.05678	0.04507	0.05541	8.71E-04	3.28E-06	1.49E-03	0.002361	8.90E-04	3.23E-06	1.65E-03	2.55E-03	8.46E-04	4.10E-06	3.17E-03	4.02E-03
821	490586.72, 3860585.12	0.05619	0.0446	0.0548	8.62E-04	3.25E-06	1.47E-03	0.002335	8.81E-04	3.20E-06	1.63E-03	2.52E-03	8.37E-04	4.06E-06	3.14E-03	3.98E-03
822	490636.72, 3860585.12	0.05583	0.04431	0.05446	8.57E-04	3.23E-06	1.46E-03	0.002321	8.75E-04	3.17E-06	1.62E-03	2.50E-03	8.32E-04	4.03E-06	3.12E-03	3.96E-03
823	490686.72, 3860585.12	0.05547	0.04402	0.05412	8.51E-04	3.20E-06	1.45E-03	0.002306	8.70E-04	3.15E-06	1.61E-03	2.49E-03	8.26E-04	4.00E-06	3.10E-03	3.93E-03
824	490736.72, 3860585.12	0.05512	0.04374	0.05379	8.46E-04	3.18E-06	1.44E-03	0.002292	8.64E-04	3.13E-06	1.60E-03	2.47E-03	8.21E-04	3.98E-06	3.08E-03	3.91E-03
825	490786.72, 3860585.12	0.05479	0.04345	0.05347	8.41E-04	3.16E-06	1.43E-03	0.002278	8.59E-04	3.11E-06	1.60E-03	2.46E-03	8.16E-04	3.95E-06	3.06E-03	3.88E-03
826	490136.72, 3860635.12	0.05798	0.04571	0.05636	8.90E-04	3.33E-06	1.51E-03	0.002405	9.09E-04	3.28E-06	1.68E-03	2.59E-03	8.64E-04	4.16E-06	3.23E-03	4.10E-03
827	490186.72, 3860635.12	0.05765	0.04554	0.05607	8.85E-04	3.31E-06	1.50E-03	0.002392	9.04E-04	3.26E-06	1.67E-03	2.58E-03	8.59E-04	4.14E-06	3.21E-03	4.07E-03
828	490236.72, 3860635.12	0.0573	0.04534	0.05574	8.79E-04	3.30E-06	1.49E-03	0.002378	8.98E-04	3.25E-06	1.66E-03	2.56E-03	8.54E-04	4.12E-06	3.19E-03	4.05E-03
829	490286.72, 3860635.12	0.05705	0.04521	0.05554	8.75E-04	3.29E-06	1.49E-03	0.002368	8.94E-04	3.24E-06	1.66E-03	2.55E-03	8.50E-04	4.11E-06	3.18E-03	4.04E-03
830	490336.72, 3860635.12	0.05681	0.0451	0.05535	8.72E-04	3.28E-06	1.48E-03	0.00236	8.91E-04	3.23E-06	1.65E-03	2.55E-03	8.46E-04	4.10E-06	3.17E-03	4.02E-03
831	490386.72, 3860635.12	0.05654	0.04494	0.05512	8.68E-04	3.27E-06	1.48E-03	0.002349	8.86E-04	3.22E-06	1.64E-03	2.53E-03	8.42E-04	4.09E-06	3.16E-03	4.00E-03
832	490436.72, 3860635.12	0.05622	0.04473	0.05484	8.63E-04	3.26E-06	1.47E-03	0.002337	8.81E-04	3.21E-06	1.64E-03	2.52E-03	8.38E-04	4.07E-06	3.14E-03	3.98E-03
833	490486.72, 3860635.12	0.05591	0.04452	0.05456	8.58E-04	3.24E-06	1.46E-03	0.002325	8.77E-04	3.19E-06	1.63E-03	2.51E-03	8.33E-04	4.05E-06	3.13E-03	3.96E-03
834	490536.72, 3860635.12	0.05563	0.04432	0.05431	8.54E-04	3.23E-06	1.46E-03	0.002313	8.72E-04	3.18E-06	1.62E-03	2.50E-03	8.29E-04	4.03E-06	3.11E-03	3.94E-03
835	490586.72, 3860635.12	0.0552	0.04399	0.05389	8.47E-04	3.20E-06	1.45E-03	0.002296	8.65E-04	3.15E-06	1.61E-03	2.48E-03	8.22E-04	4.00E-06	3.09E-03	3.91E-03
836	490636.72, 3860635.12	0.05485	0.04372	0.05356	8.42E-04	3.18E-06	1.44E-03	0.002281	8.60E-04	3.13E-06	1.60E-03	2.46E-03	8.17E-04	3.98E-06	3.07E-03	3.89E-03
837	490686.72, 3860635.12	0.05448	0.04342	0.0532	8.36E-04	3.16E-06	1.43E-03	0.002266	8.54E-04	3.11E-06	1.59E-03	2.44E-03	8.12E-04	3.95E-06	3.05E-03	3.86E-03
838	490736.72, 3860635.12	0.05408	0.04311	0.05282	8.30E-04	3.14E-06	1.42E-03	0.00225	8.48E-04	3.09E-06	1.58E-03	2.43E-03	8.06E-04	3.92E-06	3.03E-03	3.84E-03
839	490786.72, 3860635.12	0.05375	0.04283	0.05251	8.25E-04	3.12E-06	1.41E-03	0.002236	8.43E-04	3.07E-06	1.57E-03	2.41E-03	8.01E-04	3.90E-06	3.01E-03	3.81E-03
840	490136.72, 3860685.12	0.05662	0.04471	0.05502	8.69E-04	3.25E-06	1.48E-03	0.002348	8.88E-04	3.20E-06	1.64E-03	2.53E-03	8.43E-04	4.07E-06	3.15E-03	4.00E-03
841	490186.72, 3860685.12	0.05666	0.04486	0.05517	8.69E-04	3.27E-06	1.48E-03	0.002352	8.88E-04	3.21E-06	1.65E-03	2.54E-03	8.44E-04	4.08E-06	3.16E-03	4.01E-03
842	490236.72, 3860685.12	0.05628	0.04463	0.0548	8.64E-04	3.25E-06	1.47E-03	0.002337	8.82E-04	3.20E-06	1.63E-03	2.52E-03	8.38E-04	4.06E-06	3.14E-03	3.98E-03
843	490286.72, 3860685.12	0.05582	0.04434	0.05435	8.57E-04	3.23E-06	1.46E-03	0.002317	8.75E-04	3.18E-06	1.62E-03	2.50E-03	8.32E-04	4.03E-06	3.11E-03	3.95E-03
844	490336.72, 3860685.12	0.05568	0.0443	0.05427	8.54E-04	3.22E-06	1.46E-03	0.002313	8.73E-04	3.17E-06	1.62E-03	2.50E-03	8.29E-04	4.03E-06	3.11E-03	3.94E-03
845	490386.72, 3860685.12	0.05544	0.04418	0.05408	8.51E-04	3.22E-06	1.45E-03	0.002304	8.69E-04	3.17E-06	1.61E-03	2.49E-03	8.26E-04	4.02E-06	3.10E-03	3.93E-03
846	490436.72, 3860685.12	0.05512	0.04398	0.05379	8.46E-04	3.20E-06	1.44E-03	0.002292	8.64E-04	3.15E-06	1.60E-03	2.47E-03	8.21E-04	4.00E-06	3.08E-03	3.91E-03
847	490486.72, 3860685.12	0.05478	0.04376	0.05348	8.41E-04	3.19E-06	1.43E-03	0.002278	8.59E-04	3.14E-06	1.60E-03	2.46E-03	8.16E-04	3.98E-06	3.06E-03	3.88E-03
848	490536.72, 3860685.12	0.05449	0.04356	0.05322	8.36E-04	3.17E-06	1.43E-03	0.002267	8.54E-04	3.12E-06	1.59E-03	2.45E-03	8.12E-04	3.96E-06	3.05E-03	3.86E-03
849	490586.72, 3860685.12	0.05417	0.04333	0.05292	8.31E-04	3.15E-06	1.42E-03	0.002254	8.49E-04	3.10E-06	1.58E-03	2.43E-03	8.07E-04	3.94E-06	3.03E-03	3.84E-03
850	490636.72, 3860685.12	0.05386	0.0431	0.05264	8.26E-04	3.14E-06	1.41E-03	0.002241	8.44E-04	3.09E-06	1.57E-03	2.42E-03	8.02E-04	3.92E-06	3.02E-03	3.82E-03
851	490686.72, 3860685.12	0.05355	0.04286	0.05235	8.22E-04	3.12E-06	1.40E-03	0.002229	8.40E-04	3.07E-06	1.56E-03	2.40E-03	7.98E-04	3.90E-06	3.00E-03	3.80E-03

852	490736.72, 3860685.12	0.05317	0.04256	0.05198	8.16E-04	3.10E-06	1.39E-03	0.002213	8.34E-04	3.05E-06	1.55E-03	2.39E-03	7.92E-04	3.87E-06	2.98E-03	3.77E-03
853	490786.72, 3860685.12	0.05288	0.04232	0.05172	8.11E-04	3.08E-06	1.39E-03	0.002202	8.29E-04	3.03E-06	1.54E-03	2.38E-03	7.88E-04	3.85E-06	2.96E-03	3.75E-03
854	490136.72, 3860735.12	0.05508	0.04355	0.05346	8.45E-04	3.17E-06	1.43E-03	0.002282	8.64E-04	3.12E-06	1.59E-03	2.46E-03	8.21E-04	3.96E-06	3.06E-03	3.89E-03
855	490186.72, 3860735.12	0.05493	0.04353	0.05337	8.43E-04	3.17E-06	1.43E-03	0.002277	8.61E-04	3.12E-06	1.59E-03	2.46E-03	8.18E-04	3.96E-06	3.06E-03	3.88E-03
856	490236.72, 3860735.12	0.0548	0.04351	0.0533	8.41E-04	3.17E-06	1.43E-03	0.002274	8.59E-04	3.12E-06	1.59E-03	2.45E-03	8.16E-04	3.96E-06	3.05E-03	3.87E-03
857	490286.72, 3860735.12	0.05466	0.0435	0.05323	8.39E-04	3.17E-06	1.43E-03	0.00227	8.57E-04	3.12E-06	1.59E-03	2.45E-03	8.14E-04	3.96E-06	3.05E-03	3.87E-03
858	490336.72, 3860735.12	0.05448	0.04344	0.0531	8.36E-04	3.16E-06	1.42E-03	0.002263	8.54E-04	3.11E-06	1.58E-03	2.44E-03	8.12E-04	3.95E-06	3.04E-03	3.86E-03
859	490386.72, 3860735.12	0.05432	0.04338	0.053	8.34E-04	3.16E-06	1.42E-03	0.002258	8.52E-04	3.11E-06	1.58E-03	2.44E-03	8.09E-04	3.95E-06	3.04E-03	3.85E-03
860	490436.72, 3860735.12	0.05421	0.04337	0.05295	8.32E-04	3.16E-06	1.42E-03	0.002255	8.50E-04	3.11E-06	1.58E-03	2.43E-03	8.08E-04	3.95E-06	3.03E-03	3.84E-03
861	490486.72, 3860735.12	0.05387	0.04315	0.05264	8.27E-04	3.14E-06	1.41E-03	0.002242	8.45E-04	3.09E-06	1.57E-03	2.42E-03	8.03E-04	3.93E-06	3.02E-03	3.82E-03
862	490536.72, 3860735.12	0.05345	0.04285	0.05223	8.20E-04	3.12E-06	1.40E-03	0.002224	8.38E-04	3.07E-06	1.56E-03	2.40E-03	7.96E-04	3.90E-06	2.99E-03	3.79E-03
863	490586.72, 3860735.12	0.05313	0.04263	0.05193	8.15E-04	3.10E-06	1.39E-03	0.002211	8.33E-04	3.05E-06	1.55E-03	2.39E-03	7.91E-04	3.88E-06	2.97E-03	3.77E-03
864	490636.72, 3860735.12	0.05282	0.04241	0.05164	8.11E-04	3.09E-06	1.39E-03	0.002199	8.28E-04	3.04E-06	1.54E-03	2.37E-03	7.87E-04	3.86E-06	2.96E-03	3.75E-03
865	490686.72, 3860735.12	0.05256	0.04222	0.05141	8.07E-04	3.07E-06	1.38E-03	0.002188	8.24E-04	3.03E-06	1.53E-03	2.36E-03	7.83E-04	3.84E-06	2.95E-03	3.73E-03
866	490736.72, 3860735.12	0.05229	0.04201	0.05117	8.02E-04	3.06E-06	1.37E-03	0.002178	8.20E-04	3.01E-06	1.53E-03	2.35E-03	7.79E-04	3.82E-06	2.93E-03	3.71E-03
867	490136.72, 3860785.12	0.05366	0.04249	0.05204	8.23E-04	3.09E-06	1.40E-03	0.002222	8.41E-04	3.04E-06	1.55E-03	2.40E-03	7.99E-04	3.86E-06	2.98E-03	3.78E-03
868	490186.72, 3860785.12	0.05361	0.04255	0.05207	8.23E-04	3.10E-06	1.40E-03	0.002222	8.41E-04	3.05E-06	1.55E-03	2.40E-03	7.99E-04	3.87E-06	2.98E-03	3.79E-03
869	490236.72, 3860785.12	0.05352	0.04257	0.05204	8.21E-04	3.10E-06	1.40E-03	0.00222	8.39E-04	3.05E-06	1.55E-03	2.39E-03	7.97E-04	3.87E-06	2.98E-03	3.78E-03
870	490286.72, 3860785.12	0.05342	0.04257	0.052	8.20E-04	3.10E-06	1.39E-03	0.002218	8.38E-04	3.05E-06	1.55E-03	2.39E-03	7.96E-04	3.87E-06	2.98E-03	3.78E-03
871	490336.72, 3860785.12	0.05327	0.04255	0.05192	8.17E-04	3.10E-06	1.39E-03	0.002213	8.35E-04	3.05E-06	1.55E-03	2.39E-03	7.94E-04	3.87E-06	2.97E-03	3.77E-03
872	490386.72, 3860785.12	0.05319	0.04257	0.0519	8.16E-04	3.10E-06	1.39E-03	0.002211	8.34E-04	3.05E-06	1.55E-03	2.39E-03	7.92E-04	3.87E-06	2.97E-03	3.77E-03
873	490436.72, 3860785.12	0.05299	0.04248	0.05175	8.13E-04	3.09E-06	1.39E-03	0.002204	8.31E-04	3.04E-06	1.54E-03	2.38E-03	7.89E-04	3.86E-06	2.96E-03	3.76E-03
874	490486.72, 3860785.12	0.05284	0.04243	0.05165	8.11E-04	3.09E-06	1.39E-03	0.002199	8.28E-04	3.04E-06	1.54E-03	2.37E-03	7.87E-04	3.86E-06	2.96E-03	3.75E-03
875	490536.72, 3860785.12	0.05253	0.04223	0.05137	8.06E-04	3.07E-06	1.38E-03	0.002187	8.24E-04	3.03E-06	1.53E-03	2.36E-03	7.83E-04	3.84E-06	2.94E-03	3.73E-03
876	490586.72, 3860785.12	0.05213	0.04195	0.05098	8.00E-04	3.05E-06	1.37E-03	0.00217	8.17E-04	3.01E-06	1.52E-03	2.34E-03	7.77E-04	3.82E-06	2.92E-03	3.70E-03
877	490636.72, 3860785.12	0.05182	0.04174	0.05069	7.95E-04	3.04E-06	1.36E-03	0.002158	8.12E-04	2.99E-06	1.51E-03	2.33E-03	7.72E-04	3.80E-06	2.90E-03	3.68E-03
878	490686.72, 3860785.12	0.05155	0.04154	0.05045	7.91E-04	3.02E-06	1.35E-03	0.002147	8.08E-04	2.98E-06	1.51E-03	2.32E-03	7.68E-04	3.78E-06	2.89E-03	3.66E-03
879	490736.72, 3860785.12	0.05131	0.04137	0.05024	7.87E-04	3.01E-06	1.35E-03	0.002138	8.04E-04	2.96E-06	1.50E-03	2.31E-03	7.64E-04	3.76E-06	2.88E-03	3.65E-03
880	490086.72, 3860835.12	0.05236	0.04146	0.0507	8.03E-04	3.02E-06	1.36E-03	0.002166	8.21E-04	2.97E-06	1.51E-03	2.34E-03	7.80E-04	3.77E-06	2.90E-03	3.69E-03
881	490136.72, 3860835.12	0.05242	0.04158	0.05083	8.04E-04	3.03E-06	1.36E-03	0.002171	8.22E-04	2.98E-06	1.52E-03	2.34E-03	7.81E-04	3.78E-06	2.91E-03	3.70E-03
882	490186.72, 3860835.12	0.05236	0.04161	0.05083	8.03E-04	3.03E-06	1.36E-03	0.00217	8.21E-04	2.98E-06	1.52E-03	2.34E-03	7.80E-04	3.78E-06	2.91E-03	3.70E-03
883	490236.72, 3860835.12	0.05229	0.04165	0.05082	8.02E-04	3.03E-06	1.36E-03	0.002168	8.20E-04	2.98E-06	1.52E-03	2.34E-03	7.79E-04	3.79E-06	2.91E-03	3.69E-03
884	490286.72, 3860835.12	0.05223	0.04169	0.05084	8.01E-04	3.03E-06	1.36E-03	0.002168	8.19E-04	2.99E-06	1.52E-03	2.34E-03	7.78E-04	3.79E-06	2.91E-03	3.69E-03
885	490336.72, 3860835.12	0.05211	0.04168	0.05077	8.00E-04	3.03E-06	1.36E-03	0.002164	8.17E-04	2.99E-06	1.51E-03	2.33E-03	7.76E-04	3.79E-06	2.91E-03	3.69E-03
886	490386.72, 3860835.12	0.05198	0.04166	0.0507	7.98E-04	3.03E-06	1.36E-03	0.00216	8.15E-04	2.99E-06	1.51E-03	2.33E-03	7.74E-04	3.79E-06	2.90E-03	3.68E-03
887	490436.72, 3860835.12	0.05187	0.04166	0.05065	7.96E-04	3.03E-06	1.36E-03	0.002157	8.13E-04	2.99E-06	1.51E-03	2.33E-03	7.73E-04	3.79E-06	2.90E-03	3.68E-03
888	490486.72, 3860835.12	0.05172	0.0416	0.05055	7.94E-04	3.03E-06	1.36E-03	0.002152	8.11E-04	2.98E-06	1.51E-03	2.32E-03	7.70E-04	3.78E-06	2.90E-03	3.67E-03
889	490536.72, 3860835.12	0.0515	0.04149	0.05037	7.90E-04	3.02E-06	1.35E-03	0.002144	8.07E-04	2.97E-06	1.50E-03	2.31E-03	7.67E-04	3.77E-06	2.89E-03	3.66E-03
890	490586.72, 3860835.12	0.0512	0.0413	0.0501	7.86E-04	3.01E-06	1.34E-03	0.002132	8.03E-04	2.96E-06	1.49E-03	2.30E-03	7.63E-04	3.76E-06	2.87E-03	3.64E-03
891	490636.72, 3860835.12	0.05089	0.0411	0.04982	7.81E-04	2.99E-06	1.34E-03	0.00212	7.98E-04	2.94E-06	1.49E-03	2.29E-03	7.58E-04	3.74E-06	2.85E-03	3.62E-03
892	490686.72, 3860835.12	0.05063	0.04092	0.04958	7.77E-04	2.98E-06	1.33E-03	0.00211	7.94E-04	2.93E-06	1.48E-03	2.28E-03	7.54E-04	3.72E-06	2.84E-03	3.60E-03
893	490736.72, 3860835.12	0.0504	0.04076	0.04938	7.73E-04	2.97E-06	1.32E-03	0.002101	7.90E-04	2.92E-06	1.47E-03	2.27E-03	7.51E-04	3.71E-06	2.83E-03	3.58E-03
894	490086.72, 3860885.12	0.05115	0.04056	0.04951	7.85E-04	2.95E-06	1.33E-03	0.002116	8.02E-04	2.91E-06	1.48E-03	2.28E-03	7.62E-04	3.69E-06	2.84E-03	3.60E-03
895	490136.72, 3860885.12	0.05117	0.04065	0.04959	7.85E-04	2.96E-06	1.33E-03	0.002118	8.02E-04	2.91E-06	1.48E-03	2.28E-03	7.62E-04	3.70E-06	2.84E-03	3.61E-03
896	490186.72, 3860885.12	0.05115	0.04071	0.04964	7.85E-04	2.96E-06	1.33E-03	0.002119	8.02E-04	2.92E-06	1.48E-03	2.29E-03	7.62E-04	3.70E-06	2.84E-03	3.61E-03
897	490236.72, 3860885.12	0.05112	0.04077	0.04967	7.84E-04	2.97E-06	1.33E-03	0.00212	8.02E-04	2.92E-06	1.48E-03	2.29E-03	7.62E-04	3.71E-06	2.85E-03	3.61E-03
898	490286.72, 3860885.12	0.05106	0.04081	0.04968	7.84E-04	2.97E-06	1.33E-03	0.002119	8.01E-04	2.92E-06	1.48E-03	2.29E-03	7.61E-04	3.71E-06	2.85E-03	3.61E-03
899	490336.72, 3860885.12	0.05096	0.04082	0.04964	7.82E-04	2.97E-06	1.33E-03	0.002116	7.99E-04	2.92E-06	1.48E-03	2.28E-03	7.59E-04	3.71E-06	2.84E-03	3.61E-03
900	490386.72, 3860885.12	0.05089	0.04085	0.04963	7.81E-04	2.97E-06	1.33E-03	0.002115	7.98E-04	2.93E-06	1.48E-03	2.28E-03	7.58E-04	3.72E-06	2.84E-03	3.60E-03
901	490436.72, 3860885.12	0.05081	0.04087	0.04961	7.80E-04	2.98E-06	1.33E-03	0.002113	7.97E-04	2.93E-06	1.48E-03	2.28E-03	7.57E-04	3.72E-06	2.84E-03	3.60E-03
902	490486.72, 3860885.12	0.05067	0.04083	0.04952	7.78E-04	2.97E-06	1.33E-03	0.002109	7.94E-04	2.93E-06	1.48E-03	2.27E-03	7.55E-04	3.71E-06	2.84E-03	3.60E-03
903	490536.72, 3860885.12	0.05048	0.04075	0.04938	7.75E-04	2.97E-06	1.32E-03	0.002102	7.91E-04	2.92E-06	1.47E-03	2.27E-03	7.52E-04	3.71E-06	2.83E-03	3.58E-03
904	490586.72, 3860885.12	0.05025	0.04062	0.04918	7.71E-04	2.96E-06	1.32E-03	0.002093	7.88E-04	2.91E-06	1.47E-03	2.26E-03	7.49E-04	3.69E-06	2.82E-03	3.57E-03
905	490636.72, 3860885.12	0.04998	0.04045	0.04894	7.67E-04	2.94E-06	1.31E-03	0.002082	7.84E-04	2.90E-06	1.46E-03	2.25E-03	7.45E-04	3.68E-06	2.80E-03	3.55E-03
906	490686.72, 3860885.12	0.04971	0.04029	0.0487	7.63E-04	2.93E-06	1.31E-03	0.002072	7.79E-04	2.89E-06	1.45E-03	2.24E-03	7.41E-04	3.66E-06	2.79E-03	3.53E-03
907	490736.72, 3860885.12	0.04946	0.04011	0.04847	7.59E-04	2.92E-06	1.30E-03	0.002062	7.75E-04	2.87E-06	1.45E-03	2.22E-03	7.37E-04	3.65E-06	2.78E-03	3.52E-03
908	490086.72, 3860935.12	0.04989	0.03964	0.04826	7.66E-04	2.89E-06	1.29E-03	0.002063	7.82E-04	2.84E-06	1.44E-03	2.22E-03	7.43E-04	3.61E-06	2.76E-03	3.51E-03

909	490136.72, 3860935.12	0.04987	0.03969	0.04831	7.65E-04	2.89E-06	1.30E-03	0.002064	7.82E-04	2.84E-06	1.44E-03	2.23E-03	7.43E-04	3.61E-06	2.77E-03	3.51E-03
910	490186.72, 3860935.12	0.04992	0.03979	0.04842	7.66E-04	2.90E-06	1.30E-03	0.002068	7.83E-04	2.85E-06	1.44E-03	2.23E-03	7.44E-04	3.62E-06	2.77E-03	3.52E-03
911	490236.72, 3860935.12	0.04993	0.03988	0.0485	7.66E-04	2.90E-06	1.30E-03	0.00207	7.83E-04	2.86E-06	1.45E-03	2.23E-03	7.44E-04	3.63E-06	2.78E-03	3.53E-03
912	490286.72, 3860935.12	0.04993	0.03996	0.04856	7.66E-04	2.91E-06	1.30E-03	0.002071	7.83E-04	2.86E-06	1.45E-03	2.23E-03	7.44E-04	3.63E-06	2.78E-03	3.53E-03
913	490336.72, 3860935.12	0.04985	0.03998	0.04854	7.65E-04	2.91E-06	1.30E-03	0.00207	7.82E-04	2.86E-06	1.45E-03	2.23E-03	7.43E-04	3.64E-06	2.78E-03	3.53E-03
914	490386.72, 3860935.12	0.04982	0.04004	0.04858	7.64E-04	2.91E-06	1.30E-03	0.00207	7.81E-04	2.87E-06	1.45E-03	2.23E-03	7.42E-04	3.64E-06	2.78E-03	3.53E-03
915	490436.72, 3860935.12	0.04977	0.04008	0.04858	7.64E-04	2.92E-06	1.30E-03	0.00207	7.80E-04	2.87E-06	1.45E-03	2.23E-03	7.41E-04	3.65E-06	2.78E-03	3.53E-03
916	490486.72, 3860935.12	0.04964	0.04006	0.04851	7.62E-04	2.92E-06	1.30E-03	0.002066	7.78E-04	2.87E-06	1.45E-03	2.23E-03	7.39E-04	3.64E-06	2.78E-03	3.52E-03
917	490536.72, 3860935.12	0.0495	0.04002	0.04842	7.60E-04	2.91E-06	1.30E-03	0.002061	7.76E-04	2.87E-06	1.44E-03	2.22E-03	7.37E-04	3.64E-06	2.77E-03	3.51E-03
918	490586.72, 3860935.12	0.0493	0.03992	0.04826	7.57E-04	2.91E-06	1.29E-03	0.002054	7.73E-04	2.86E-06	1.44E-03	2.22E-03	7.34E-04	3.63E-06	2.76E-03	3.50E-03
919	490636.72, 3860935.12	0.04907	0.0398	0.04806	7.53E-04	2.90E-06	1.29E-03	0.002045	7.69E-04	2.85E-06	1.43E-03	2.21E-03	7.31E-04	3.62E-06	2.75E-03	3.49E-03
920	490686.72, 3860935.12	0.04883	0.03966	0.04786	7.49E-04	2.89E-06	1.28E-03	0.002036	7.66E-04	2.84E-06	1.43E-03	2.20E-03	7.27E-04	3.61E-06	2.74E-03	3.47E-03
921	490736.72, 3860935.12	0.04858	0.0395	0.04764	7.45E-04	2.88E-06	1.28E-03	0.002026	7.62E-04	2.83E-06	1.42E-03	2.19E-03	7.24E-04	3.59E-06	2.73E-03	3.46E-03
922	490786.72, 3860935.12	0.04833	0.03933	0.0474	7.42E-04	2.86E-06	1.27E-03	0.002016	7.58E-04	2.82E-06	1.41E-03	2.17E-03	7.20E-04	3.58E-06	2.72E-03	3.44E-03
923	490836.72, 3860935.12	0.04812	0.03918	0.04722	7.38E-04	2.85E-06	1.27E-03	0.002008	7.54E-04	2.81E-06	1.41E-03	2.17E-03	7.17E-04	3.56E-06	2.70E-03	3.43E-03
924	490086.72, 3860985.12	0.04871	0.03878	0.0471	7.47E-04	2.82E-06	1.26E-03	0.002014	7.64E-04	2.78E-06	1.41E-03	2.17E-03	7.26E-04	3.53E-06	2.70E-03	3.43E-03
925	490136.72, 3860985.12	0.04875	0.03886	0.0472	7.48E-04	2.83E-06	1.27E-03	0.002017	7.64E-04	2.78E-06	1.41E-03	2.18E-03	7.26E-04	3.53E-06	2.70E-03	3.43E-03
926	490186.72, 3860985.12	0.04881	0.03897	0.04733	7.49E-04	2.84E-06	1.27E-03	0.002021	7.65E-04	2.79E-06	1.41E-03	2.18E-03	7.27E-04	3.54E-06	2.71E-03	3.44E-03
927	490236.72, 3860985.12	0.04879	0.03902	0.04737	7.49E-04	2.84E-06	1.27E-03	0.002022	7.65E-04	2.80E-06	1.41E-03	2.18E-03	7.27E-04	3.55E-06	2.71E-03	3.44E-03
928	490286.72, 3860985.12	0.04878	0.03909	0.04742	7.49E-04	2.85E-06	1.27E-03	0.002023	7.65E-04	2.80E-06	1.41E-03	2.18E-03	7.27E-04	3.56E-06	2.72E-03	3.45E-03
929	490336.72, 3860985.12	0.04876	0.03915	0.04746	7.48E-04	2.85E-06	1.27E-03	0.002024	7.65E-04	2.81E-06	1.42E-03	2.18E-03	7.26E-04	3.56E-06	2.72E-03	3.45E-03
930	490386.72, 3860985.12	0.04874	0.03921	0.0475	7.48E-04	2.85E-06	1.27E-03	0.002025	7.64E-04	2.81E-06	1.42E-03	2.18E-03	7.26E-04	3.57E-06	2.72E-03	3.45E-03
931	490436.72, 3860985.12	0.04874	0.0393	0.04757	7.48E-04	2.86E-06	1.28E-03	0.002027	7.64E-04	2.82E-06	1.42E-03	2.19E-03	7.26E-04	3.57E-06	2.73E-03	3.45E-03
932	490486.72, 3860985.12	0.04864	0.0393	0.04752	7.46E-04	2.86E-06	1.27E-03	0.002024	7.63E-04	2.82E-06	1.42E-03	2.18E-03	7.25E-04	3.57E-06	2.72E-03	3.45E-03
933	490536.72, 3860985.12	0.0485	0.03926	0.04743	7.44E-04	2.86E-06	1.27E-03	0.002019	7.60E-04	2.81E-06	1.41E-03	2.18E-03	7.23E-04	3.57E-06	2.72E-03	3.44E-03
934	490586.72, 3860985.12	0.04834	0.0392	0.04732	7.42E-04	2.85E-06	1.27E-03	0.002014	7.58E-04	2.81E-06	1.41E-03	2.17E-03	7.20E-04	3.57E-06	2.71E-03	3.43E-03
935	490636.72, 3860985.12	0.04818	0.03914	0.0472	7.39E-04	2.85E-06	1.27E-03	0.002008	7.55E-04	2.80E-06	1.41E-03	2.17E-03	7.18E-04	3.56E-06	2.70E-03	3.43E-03
936	490686.72, 3860985.12	0.04796	0.03902	0.04701	7.36E-04	2.84E-06	1.26E-03	0.002	7.52E-04	2.80E-06	1.40E-03	2.16E-03	7.14E-04	3.55E-06	2.69E-03	3.41E-03
937	490736.72, 3860985.12	0.04772	0.03888	0.0468	7.32E-04	2.83E-06	1.26E-03	0.00199	7.48E-04	2.79E-06	1.40E-03	2.15E-03	7.11E-04	3.54E-06	2.68E-03	3.40E-03
938	490786.72, 3860985.12	0.04749	0.03874	0.04661	7.29E-04	2.82E-06	1.25E-03	0.001982	7.45E-04	2.78E-06	1.39E-03	2.14E-03	7.07E-04	3.52E-06	2.67E-03	3.38E-03
939	490836.72, 3860985.12	0.04728	0.0386	0.04642	7.26E-04	2.81E-06	1.25E-03	0.001973	7.41E-04	2.77E-06	1.38E-03	2.13E-03	7.04E-04	3.51E-06	2.66E-03	3.37E-03
940	490086.72, 3861035.12	0.04756	0.03794	0.04597	7.30E-04	2.76E-06	1.23E-03	0.001966	7.46E-04	2.72E-06	1.37E-03	2.12E-03	7.09E-04	3.45E-06	2.63E-03	3.35E-03
941	490136.72, 3861035.12	0.04762	0.03803	0.04609	7.31E-04	2.77E-06	1.24E-03	0.00197	7.47E-04	2.72E-06	1.37E-03	2.12E-03	7.09E-04	3.46E-06	2.64E-03	3.35E-03
942	490186.72, 3861035.12	0.04765	0.03811	0.04618	7.31E-04	2.77E-06	1.24E-03	0.001973	7.47E-04	2.73E-06	1.38E-03	2.13E-03	7.10E-04	3.47E-06	2.65E-03	3.36E-03
943	490236.72, 3861035.12	0.0477	0.03821	0.04629	7.32E-04	2.78E-06	1.24E-03	0.001976	7.48E-04	2.74E-06	1.38E-03	2.13E-03	7.11E-04	3.48E-06	2.65E-03	3.37E-03
944	490286.72, 3861035.12	0.04768	0.03826	0.04633	7.32E-04	2.79E-06	1.24E-03	0.001977	7.48E-04	2.74E-06	1.38E-03	2.13E-03	7.10E-04	3.48E-06	2.65E-03	3.37E-03
945	490336.72, 3861035.12	0.04767	0.03832	0.04637	7.32E-04	2.79E-06	1.24E-03	0.001978	7.47E-04	2.75E-06	1.38E-03	2.13E-03	7.10E-04	3.49E-06	2.66E-03	3.37E-03
946	490386.72, 3861035.12	0.04771	0.03843	0.04648	7.32E-04	2.80E-06	1.25E-03	0.001982	7.48E-04	2.75E-06	1.39E-03	2.14E-03	7.11E-04	3.50E-06	2.66E-03	3.38E-03
947	490436.72, 3861035.12	0.04772	0.03852	0.04656	7.32E-04	2.80E-06	1.25E-03	0.001984	7.48E-04	2.76E-06	1.39E-03	2.14E-03	7.11E-04	3.50E-06	2.67E-03	3.38E-03
948	490486.72, 3861035.12	0.04766	0.03855	0.04655	7.31E-04	2.81E-06	1.25E-03	0.001983	7.47E-04	2.76E-06	1.39E-03	2.14E-03	7.10E-04	3.51E-06	2.67E-03	3.38E-03
949	490536.72, 3861035.12	0.04756	0.03854	0.0465	7.30E-04	2.81E-06	1.25E-03	0.00198	7.46E-04	2.76E-06	1.39E-03	2.14E-03	7.09E-04	3.51E-06	2.66E-03	3.38E-03
950	490586.72, 3861035.12	0.04742	0.03851	0.04641	7.28E-04	2.80E-06	1.24E-03	0.001975	7.44E-04	2.76E-06	1.38E-03	2.13E-03	7.06E-04	3.50E-06	2.66E-03	3.37E-03
951	490636.72, 3861035.12	0.04726	0.03845	0.04629	7.25E-04	2.80E-06	1.24E-03	0.00197	7.41E-04	2.76E-06	1.38E-03	2.12E-03	7.04E-04	3.50E-06	2.65E-03	3.36E-03
952	490686.72, 3861035.12	0.04707	0.03836	0.04615	7.22E-04	2.79E-06	1.24E-03	0.001963	7.38E-04	2.75E-06	1.38E-03	2.12E-03	7.01E-04	3.49E-06	2.64E-03	3.35E-03
953	490736.72, 3861035.12	0.04687	0.03825	0.04598	7.19E-04	2.78E-06	1.23E-03	0.001955	7.35E-04	2.74E-06	1.37E-03	2.11E-03	6.98E-04	3.48E-06	2.63E-03	3.34E-03
954	490786.72, 3861035.12	0.04668	0.03815	0.04582	7.16E-04	2.78E-06	1.23E-03	0.001948	7.32E-04	2.73E-06	1.37E-03	2.10E-03	6.95E-04	3.47E-06	2.62E-03	3.32E-03
955	490836.72, 3861035.12	0.04648	0.03802	0.04565	7.13E-04	2.77E-06	1.22E-03	0.00194	7.29E-04	2.72E-06	1.36E-03	2.09E-03	6.92E-04	3.46E-06	2.62E-03	3.31E-03
956	490086.72, 3861085.12	0.04645	0.03713	0.04487	7.13E-04	2.70E-06	1.20E-03	0.001919	7.28E-04	2.66E-06	1.34E-03	2.07E-03	6.92E-04	3.38E-06	2.57E-03	3.27E-03
957	490136.72, 3861085.12	0.04656	0.03725	0.04504	7.14E-04	2.71E-06	1.21E-03	0.001925	7.30E-04	2.67E-06	1.34E-03	2.08E-03	6.94E-04	3.39E-06	2.58E-03	3.28E-03
958	490186.72, 3861085.12	0.04667	0.03739	0.04521	7.16E-04	2.72E-06	1.21E-03	0.001931	7.32E-04	2.68E-06	1.35E-03	2.08E-03	6.95E-04	3.40E-06	2.59E-03	3.29E-03
959	490236.72, 3861085.12	0.04666	0.03743	0.04526	7.16E-04	2.72E-06	1.21E-03	0.001933	7.32E-04	2.68E-06	1.35E-03	2.08E-03	6.95E-04	3.40E-06	2.59E-03	3.29E-03
960	490286.72, 3861085.12	0.04666	0.03749	0.04532	7.16E-04	2.73E-06	1.22E-03	0.001934	7.32E-04	2.69E-06	1.35E-03	2.09E-03	6.95E-04	3.41E-06	2.60E-03	3.29E-03
961	490336.72, 3861085.12	0.04665	0.03755	0.04536	7.16E-04	2.73E-06	1.22E-03	0.001935	7.31E-04	2.69E-06	1.35E-03	2.09E-03	6.95E-04	3.42E-06	2.60E-03	3.30E-03
962	490386.72, 3861085.12	0.04669	0.03765	0.04547	7.16E-04	2.74E-06	1.22E-03	0.001939	7.32E-04	2.70E-06	1.36E-03	2.09E-03	6.96E-04	3.42E-06	2.60E-03	3.30E-03
963	490436.72, 3861085.12	0.04669	0.03772	0.04552	7.16E-04	2.75E-06	1.22E-03	0.00194	7.32E-04	2.70E-06	1.36E-03	2.09E-03	6.96E-04	3.43E-06	2.61E-03	3.31E-03
964	490486.72, 3861085.12	0.04665	0.03777	0.04555	7.16E-04	2.75E-06	1.22E-03	0.00194	7.31E-04	2.71E-06	1.36E-03	2.09E-03	6.95E-04	3.44E-06	2.61E-03	3.31E-03
965	490536.72, 3861085.12	0.04663	0.03782	0.04558	7.16E-04	2.75E-06	1.22E-03	0.001941	7.31E-04	2.71E-06	1.36E-03	2.09E-03	6.95E-04	3.44E-06	2.61E-03	3.31E-03

966	490586.72, 3861085.12	0.04651	0.03781	0.04551	7.14E-04	2.75E-06	1.22E-03	0.001937	7.29E-04	2.71E-06	1.36E-03	2.09E-03	6.93E-04	3.44E-06	2.61E-03	3.30E-03
967	490636.72, 3861085.12	0.04635	0.03775	0.04539	7.11E-04	2.75E-06	1.22E-03	0.001931	7.27E-04	2.70E-06	1.35E-03	2.08E-03	6.90E-04	3.43E-06	2.60E-03	3.29E-03
968	490686.72, 3861085.12	0.04619	0.03769	0.04528	7.09E-04	2.74E-06	1.21E-03	0.001926	7.24E-04	2.70E-06	1.35E-03	2.08E-03	6.88E-04	3.43E-06	2.59E-03	3.29E-03
969	490736.72, 3861085.12	0.04603	0.03763	0.04516	7.06E-04	2.74E-06	1.21E-03	0.00192	7.22E-04	2.70E-06	1.35E-03	2.07E-03	6.86E-04	3.42E-06	2.59E-03	3.28E-03
970	490786.72, 3861085.12	0.04586	0.03754	0.04503	7.04E-04	2.73E-06	1.21E-03	0.001914	7.19E-04	2.69E-06	1.34E-03	2.07E-03	6.83E-04	3.41E-06	2.58E-03	3.27E-03
971	490836.72, 3861085.12	0.04567	0.03744	0.04487	7.01E-04	2.73E-06	1.20E-03	0.001907	7.16E-04	2.68E-06	1.34E-03	2.06E-03	6.80E-04	3.41E-06	2.57E-03	3.25E-03
972	490086.72, 3861135.12	0.04537	0.03634	0.04381	6.96E-04	2.65E-06	1.18E-03	0.001874	7.11E-04	2.60E-06	1.31E-03	2.02E-03	6.76E-04	3.31E-06	2.51E-03	3.19E-03
973	490136.72, 3861135.12	0.04547	0.03645	0.04396	6.98E-04	2.65E-06	1.18E-03	0.001879	7.13E-04	2.61E-06	1.31E-03	2.03E-03	6.77E-04	3.32E-06	2.52E-03	3.20E-03
974	490186.72, 3861135.12	0.04557	0.03657	0.04412	6.99E-04	2.66E-06	1.18E-03	0.001885	7.14E-04	2.62E-06	1.32E-03	2.03E-03	6.79E-04	3.33E-06	2.53E-03	3.21E-03
975	490236.72, 3861135.12	0.04564	0.03667	0.04424	7.00E-04	2.67E-06	1.19E-03	0.00189	7.16E-04	2.63E-06	1.32E-03	2.04E-03	6.80E-04	3.34E-06	2.53E-03	3.22E-03
976	490286.72, 3861135.12	0.04567	0.03675	0.04433	7.01E-04	2.68E-06	1.19E-03	0.001892	7.16E-04	2.63E-06	1.32E-03	2.04E-03	6.80E-04	3.34E-06	2.54E-03	3.22E-03
977	490336.72, 3861135.12	0.04567	0.0368	0.04439	7.01E-04	2.68E-06	1.19E-03	0.001894	7.16E-04	2.64E-06	1.32E-03	2.04E-03	6.80E-04	3.35E-06	2.54E-03	3.23E-03
978	490386.72, 3861135.12	0.04569	0.03689	0.04448	7.01E-04	2.69E-06	1.19E-03	0.001897	7.16E-04	2.64E-06	1.33E-03	2.05E-03	6.81E-04	3.36E-06	2.55E-03	3.23E-03
979	490436.72, 3861135.12	0.04569	0.03695	0.04453	7.01E-04	2.69E-06	1.19E-03	0.001898	7.16E-04	2.65E-06	1.33E-03	2.05E-03	6.81E-04	3.36E-06	2.55E-03	3.23E-03
980	490486.72, 3861135.12	0.04569	0.03702	0.04458	7.01E-04	2.69E-06	1.20E-03	0.001899	7.16E-04	2.65E-06	1.33E-03	2.05E-03	6.81E-04	3.37E-06	2.55E-03	3.24E-03
981	490536.72, 3861135.12	0.04566	0.03707	0.04461	7.01E-04	2.70E-06	1.20E-03	0.0019	7.16E-04	2.66E-06	1.33E-03	2.05E-03	6.80E-04	3.37E-06	2.56E-03	3.24E-03
982	490586.72, 3861135.12	0.04558	0.03709	0.04459	6.99E-04	2.70E-06	1.20E-03	0.001898	7.15E-04	2.66E-06	1.33E-03	2.05E-03	6.79E-04	3.37E-06	2.55E-03	3.24E-03
983	490636.72, 3861135.12	0.04545	0.03706	0.04451	6.97E-04	2.70E-06	1.19E-03	0.001894	7.13E-04	2.66E-06	1.33E-03	2.04E-03	6.77E-04	3.37E-06	2.55E-03	3.23E-03
984	490686.72, 3861135.12	0.04534	0.03704	0.04444	6.96E-04	2.70E-06	1.19E-03	0.00189	7.11E-04	2.65E-06	1.33E-03	2.04E-03	6.75E-04	3.37E-06	2.55E-03	3.22E-03
985	490736.72, 3861135.12	0.04522	0.03701	0.04436	6.94E-04	2.69E-06	1.19E-03	0.001886	7.09E-04	2.65E-06	1.32E-03	2.04E-03	6.74E-04	3.37E-06	2.54E-03	3.22E-03
986	490786.72, 3861135.12	0.04507	0.03695	0.04426	6.92E-04	2.69E-06	1.19E-03	0.001881	7.07E-04	2.65E-06	1.32E-03	2.03E-03	6.71E-04	3.36E-06	2.54E-03	3.21E-03
987	490836.72, 3861135.12	0.0449	0.03686	0.04411	6.89E-04	2.68E-06	1.18E-03	0.001875	7.04E-04	2.64E-06	1.32E-03	2.02E-03	6.69E-04	3.35E-06	2.53E-03	3.20E-03
988	490086.72, 3861185.12	0.04434	0.03558	0.04278	6.80E-04	2.59E-06	1.15E-03	0.00183	6.95E-04	2.55E-06	1.28E-03	1.97E-03	6.61E-04	3.24E-06	2.45E-03	3.11E-03
989	490136.72, 3861185.12	0.04437	0.03564	0.04287	6.81E-04	2.59E-06	1.15E-03	0.001833	6.96E-04	2.55E-06	1.28E-03	1.98E-03	6.61E-04	3.24E-06	2.46E-03	3.12E-03
990	490186.72, 3861185.12	0.04445	0.03575	0.04301	6.82E-04	2.60E-06	1.15E-03	0.001838	6.97E-04	2.56E-06	1.28E-03	1.98E-03	6.62E-04	3.25E-06	2.46E-03	3.13E-03
991	490236.72, 3861185.12	0.04454	0.03585	0.04315	6.83E-04	2.61E-06	1.16E-03	0.001843	6.98E-04	2.57E-06	1.29E-03	1.99E-03	6.64E-04	3.26E-06	2.47E-03	3.14E-03
992	490286.72, 3861185.12	0.04465	0.03598	0.04332	6.85E-04	2.62E-06	1.16E-03	0.00185	7.00E-04	2.58E-06	1.29E-03	1.99E-03	6.65E-04	3.27E-06	2.48E-03	3.15E-03
993	490336.72, 3861185.12	0.04461	0.036	0.04333	6.85E-04	2.62E-06	1.16E-03	0.001849	6.99E-04	2.58E-06	1.29E-03	1.99E-03	6.65E-04	3.27E-06	2.48E-03	3.15E-03
994	490386.72, 3861185.12	0.04465	0.03609	0.04343	6.85E-04	2.63E-06	1.16E-03	0.001853	7.00E-04	2.59E-06	1.30E-03	2.00E-03	6.65E-04	3.28E-06	2.49E-03	3.16E-03
995	490436.72, 3861185.12	0.04471	0.0362	0.04355	6.86E-04	2.64E-06	1.17E-03	0.001857	7.01E-04	2.59E-06	1.30E-03	2.00E-03	6.66E-04	3.29E-06	2.49E-03	3.16E-03
996	490486.72, 3861185.12	0.04471	0.03627	0.04361	6.86E-04	2.64E-06	1.17E-03	0.001858	7.01E-04	2.60E-06	1.30E-03	2.00E-03	6.66E-04	3.30E-06	2.50E-03	3.17E-03
997	490536.72, 3861185.12	0.04477	0.03638	0.04373	6.87E-04	2.65E-06	1.17E-03	0.001863	7.02E-04	2.61E-06	1.30E-03	2.01E-03	6.67E-04	3.31E-06	2.51E-03	3.18E-03
998	490586.72, 3861185.12	0.0447	0.0364	0.04371	6.86E-04	2.65E-06	1.17E-03	0.001861	7.01E-04	2.61E-06	1.30E-03	2.01E-03	6.66E-04	3.31E-06	2.50E-03	3.17E-03
999	490636.72, 3861185.12	0.04456	0.03636	0.04361	6.84E-04	2.65E-06	1.17E-03	0.001856	6.99E-04	2.61E-06	1.30E-03	2.00E-03	6.64E-04	3.31E-06	2.50E-03	3.17E-03
1000	490686.72, 3861185.12	0.04447	0.03636	0.04357	6.82E-04	2.65E-06	1.17E-03	0.001854	6.97E-04	2.61E-06	1.30E-03	2.00E-03	6.62E-04	3.31E-06	2.50E-03	3.16E-03
1001	490736.72, 3861185.12	0.04441	0.03637	0.04356	6.81E-04	2.65E-06	1.17E-03	0.001852	6.96E-04	2.61E-06	1.30E-03	2.00E-03	6.62E-04	3.31E-06	2.50E-03	3.16E-03
1002	490786.72, 3861185.12	0.0443	0.03635	0.04349	6.80E-04	2.65E-06	1.17E-03	0.001849	6.95E-04	2.60E-06	1.30E-03	1.99E-03	6.60E-04	3.31E-06	2.49E-03	3.15E-03
1003	490836.72, 3861185.12	0.04415	0.03629	0.04338	6.77E-04	2.64E-06	1.16E-03	0.001844	6.92E-04	2.60E-06	1.29E-03	1.99E-03	6.58E-04	3.30E-06	2.49E-03	3.15E-03
1004	490086.72, 3861235.12	0.04332	0.03483	0.04178	6.65E-04	2.54E-06	1.12E-03	0.001788	6.79E-04	2.50E-06	1.25E-03	1.93E-03	6.45E-04	3.17E-06	2.39E-03	3.04E-03
1005	490136.72, 3861235.12	0.04337	0.0349	0.04187	6.66E-04	2.54E-06	1.12E-03	0.001791	6.80E-04	2.50E-06	1.25E-03	1.93E-03	6.46E-04	3.17E-06	2.40E-03	3.05E-03
1006	490186.72, 3861235.12	0.04346	0.03501	0.04202	6.67E-04	2.55E-06	1.13E-03	0.001796	6.81E-04	2.51E-06	1.25E-03	1.94E-03	6.47E-04	3.18E-06	2.41E-03	3.06E-03
1007	490236.72, 3861235.12	0.04349	0.03507	0.0421	6.67E-04	2.55E-06	1.13E-03	0.001799	6.82E-04	2.51E-06	1.26E-03	1.94E-03	6.48E-04	3.19E-06	2.41E-03	3.06E-03
1008	490386.72, 3861235.12	0.04363	0.03531	0.04241	6.70E-04	2.57E-06	1.14E-03	0.00181	6.84E-04	2.53E-06	1.27E-03	1.95E-03	6.50E-04	3.21E-06	2.43E-03	3.08E-03
1009	490436.72, 3861235.12	0.04365	0.03538	0.04248	6.70E-04	2.58E-06	1.14E-03	0.001812	6.84E-04	2.54E-06	1.27E-03	1.95E-03	6.50E-04	3.22E-06	2.43E-03	3.09E-03
1010	490486.72, 3861235.12	0.04367	0.03546	0.04256	6.70E-04	2.58E-06	1.14E-03	0.001814	6.85E-04	2.54E-06	1.27E-03	1.96E-03	6.51E-04	3.23E-06	2.44E-03	3.09E-03
1011	490536.72, 3861235.12	0.0438	0.03563	0.04276	6.72E-04	2.59E-06	1.15E-03	0.001822	6.87E-04	2.55E-06	1.28E-03	1.96E-03	6.52E-04	3.24E-06	2.45E-03	3.11E-03
1012	490586.72, 3861235.12	0.04385	0.03574	0.04286	6.73E-04	2.60E-06	1.15E-03	0.001825	6.88E-04	2.56E-06	1.28E-03	1.97E-03	6.53E-04	3.25E-06	2.46E-03	3.11E-03
1013	490636.72, 3861235.12	0.04367	0.03566	0.04273	6.70E-04	2.60E-06	1.15E-03	0.001819	6.85E-04	2.56E-06	1.27E-03	1.96E-03	6.51E-04	3.24E-06	2.45E-03	3.10E-03
1014	490686.72, 3861235.12	0.04362	0.03569	0.04272	6.69E-04	2.60E-06	1.15E-03	0.001818	6.84E-04	2.56E-06	1.27E-03	1.96E-03	6.50E-04	3.25E-06	2.45E-03	3.10E-03
1015	490736.72, 3861235.12	0.04358	0.03573	0.04273	6.69E-04	2.60E-06	1.15E-03	0.001817	6.83E-04	2.56E-06	1.27E-03	1.96E-03	6.49E-04	3.25E-06	2.45E-03	3.10E-03
1016	490786.72, 3861235.12	0.04352	0.03575	0.04272	6.68E-04	2.60E-06	1.15E-03	0.001816	6.82E-04	2.56E-06	1.27E-03	1.96E-03	6.48E-04	3.25E-06	2.45E-03	3.10E-03
1017	490836.72, 3861235.12	0.0434	0.03571	0.04265	6.66E-04	2.60E-06	1.14E-03	0.001812	6.80E-04	2.56E-06	1.27E-03	1.96E-03	6.47E-04	3.25E-06	2.44E-03	3.09E-03
1018	490086.72, 3861285.12	0.0424	0.03415	0.04087	6.51E-04	2.49E-06	1.10E-03	0.001749	6.65E-04	2.45E-06	1.22E-03	1.89E-03	6.32E-04	3.11E-06	2.34E-03	2.98E-03
1019	490136.72, 3861285.12	0.04252	0.03427	0.04104	6.52E-04	2.49E-06	1.10E-03	0.001756	6.67E-04	2.46E-06	1.22E-03	1.89E-03	6.33E-04	3.12E-06	2.35E-03	2.99E-03
1020	490186.72, 3861285.12	0.04252	0.03431	0.04108	6.52E-04	2.50E-06	1.10E-03	0.001757	6.67E-04	2.46E-06	1.23E-03	1.89E-03	6.33E-04	3.12E-06	2.35E-03	2.99E-03
1021	490236.72, 3861285.12	0.04256	0.03438	0.04117	6.53E-04	2.50E-06	1.10E-03	0.00176	6.67E-04	2.46E-06	1.23E-03	1.90E-03	6.34E-04	3.13E-06	2.36E-03	3.00E-03
1022	490386.72, 3861285.12	0.04269	0.0346	0.04147	6.55E-04	2.52E-06	1.11E-03	0.00177	6.69E-04	2.48E-06	1.24E-03	1.91E-03	6.36E-04	3.15E-06	2.38E-03	3.01E-03

1023	490436.72, 3861285.12	0.04275	0.0347	0.04159	6.56E-04	2.53E-06	1.12E-03	0.001774	6.70E-04	2.49E-06	1.24E-03	1.91E-03	6.37E-04	3.16E-06	2.38E-03	3.02E-03
1024	490486.72, 3861285.12	0.04276	0.03476	0.04165	6.56E-04	2.53E-06	1.12E-03	0.001776	6.70E-04	2.49E-06	1.24E-03	1.92E-03	6.37E-04	3.16E-06	2.39E-03	3.03E-03
1025	490536.72, 3861285.12	0.0428	0.03485	0.04174	6.57E-04	2.54E-06	1.12E-03	0.001779	6.71E-04	2.50E-06	1.25E-03	1.92E-03	6.38E-04	3.17E-06	2.39E-03	3.03E-03
1026	490586.72, 3861285.12	0.04284	0.03494	0.04184	6.57E-04	2.54E-06	1.12E-03	0.001782	6.72E-04	2.50E-06	1.25E-03	1.92E-03	6.38E-04	3.18E-06	2.40E-03	3.04E-03
1027	490636.72, 3861285.12	0.04276	0.03495	0.04181	6.56E-04	2.54E-06	1.12E-03	0.00178	6.70E-04	2.50E-06	1.25E-03	1.92E-03	6.37E-04	3.18E-06	2.40E-03	3.04E-03
1028	490686.72, 3861285.12	0.04274	0.035	0.04184	6.56E-04	2.55E-06	1.12E-03	0.001781	6.70E-04	2.51E-06	1.25E-03	1.92E-03	6.37E-04	3.18E-06	2.40E-03	3.04E-03
1029	490736.72, 3861285.12	0.04278	0.0351	0.04193	6.56E-04	2.55E-06	1.12E-03	0.001784	6.71E-04	2.51E-06	1.25E-03	1.92E-03	6.37E-04	3.19E-06	2.40E-03	3.04E-03
1030	490786.72, 3861285.12	0.04271	0.0351	0.04191	6.55E-04	2.55E-06	1.12E-03	0.001782	6.70E-04	2.51E-06	1.25E-03	1.92E-03	6.36E-04	3.19E-06	2.40E-03	3.04E-03
1031	490836.72, 3861285.12	0.04259	0.03507	0.04183	6.54E-04	2.55E-06	1.12E-03	0.001778	6.68E-04	2.51E-06	1.25E-03	1.92E-03	6.34E-04	3.19E-06	2.40E-03	3.03E-03
1032	490061.24, 3859716.13	0.09569	0.0659	0.08972	1.47E-03	4.80E-06	2.41E-03	0.00388	1.50E-03	4.72E-06	2.68E-03	4.18E-03	1.43E-03	5.99E-06	5.14E-03	6.57E-03
1033	490111.24, 3859716.13	0.09596	0.06583	0.08992	1.47E-03	4.79E-06	2.41E-03	0.003889	1.50E-03	4.72E-06	2.68E-03	4.19E-03	1.43E-03	5.99E-06	5.15E-03	6.59E-03
1034	490161.24, 3859716.13	0.09625	0.06577	0.09012	1.48E-03	4.79E-06	2.42E-03	0.003899	1.51E-03	4.71E-06	2.69E-03	4.20E-03	1.43E-03	5.98E-06	5.16E-03	6.60E-03
1035	490211.24, 3859716.13	0.09653	0.06574	0.0903	1.48E-03	4.79E-06	2.42E-03	0.003908	1.51E-03	4.71E-06	2.69E-03	4.21E-03	1.44E-03	5.98E-06	5.17E-03	6.62E-03
1036	490061.24, 3859766.13	0.09156	0.06419	0.08637	1.41E-03	4.67E-06	2.32E-03	0.003726	1.44E-03	4.60E-06	2.58E-03	4.02E-03	1.36E-03	5.84E-06	4.95E-03	6.32E-03
1037	490111.24, 3859766.13	0.09166	0.06401	0.0864	1.41E-03	4.66E-06	2.32E-03	0.003728	1.44E-03	4.59E-06	2.58E-03	4.02E-03	1.37E-03	5.82E-06	4.95E-03	6.32E-03
1038	490161.24, 3859766.13	0.09182	0.06386	0.08646	1.41E-03	4.65E-06	2.32E-03	0.003733	1.44E-03	4.58E-06	2.58E-03	4.02E-03	1.37E-03	5.81E-06	4.95E-03	6.33E-03
1039	490211.24, 3859766.13	0.09207	0.06379	0.08663	1.41E-03	4.64E-06	2.32E-03	0.003741	1.44E-03	4.57E-06	2.58E-03	4.03E-03	1.37E-03	5.80E-06	4.96E-03	6.34E-03
1040	490061.24, 3859816.13	0.08794	0.06261	0.08333	1.35E-03	4.56E-06	2.23E-03	0.003589	1.38E-03	4.49E-06	2.49E-03	3.87E-03	1.31E-03	5.70E-06	4.77E-03	6.09E-03
1041	490111.24, 3859816.13	0.08787	0.06235	0.08322	1.35E-03	4.54E-06	2.23E-03	0.003585	1.38E-03	4.47E-06	2.48E-03	3.86E-03	1.31E-03	5.67E-06	4.77E-03	6.08E-03
1042	490161.24, 3859816.13	0.08792	0.06216	0.08322	1.35E-03	4.52E-06	2.23E-03	0.003586	1.38E-03	4.45E-06	2.48E-03	3.87E-03	1.31E-03	5.65E-06	4.77E-03	6.08E-03
1043	490211.24, 3859816.13	0.08804	0.06201	0.08327	1.35E-03	4.51E-06	2.23E-03	0.003589	1.38E-03	4.44E-06	2.48E-03	3.87E-03	1.31E-03	5.64E-06	4.77E-03	6.09E-03
1044	490061.24, 3859866.13	0.08479	0.06117	0.08061	1.30E-03	4.45E-06	2.16E-03	0.003468	1.33E-03	4.38E-06	2.40E-03	3.74E-03	1.26E-03	5.56E-06	4.62E-03	5.89E-03
1045	490111.24, 3859866.13	0.0846	0.06088	0.08043	1.30E-03	4.43E-06	2.16E-03	0.00346	1.33E-03	4.36E-06	2.40E-03	3.73E-03	1.26E-03	5.54E-06	4.61E-03	5.87E-03
1046	490161.24, 3859866.13	0.08451	0.06065	0.08034	1.30E-03	4.41E-06	2.15E-03	0.003456	1.33E-03	4.35E-06	2.40E-03	3.73E-03	1.26E-03	5.52E-06	4.60E-03	5.87E-03
1047	490211.24, 3859866.13	0.08452	0.06046	0.08032	1.30E-03	4.40E-06	2.15E-03	0.003456	1.33E-03	4.33E-06	2.40E-03	3.73E-03	1.26E-03	5.50E-06	4.60E-03	5.87E-03
1048	490061.24, 3859916.13	0.08201	0.05984	0.07817	1.26E-03	4.36E-06	2.10E-03	0.003359	1.29E-03	4.29E-06	2.33E-03	3.62E-03	1.22E-03	5.44E-06	4.48E-03	5.71E-03
1049	490111.24, 3859916.13	0.08173	0.05954	0.07794	1.25E-03	4.33E-06	2.09E-03	0.003349	1.28E-03	4.27E-06	2.33E-03	3.61E-03	1.22E-03	5.42E-06	4.46E-03	5.69E-03
1050	490161.24, 3859916.13	0.08151	0.05926	0.07775	1.25E-03	4.31E-06	2.09E-03	0.00334	1.28E-03	4.25E-06	2.32E-03	3.60E-03	1.21E-03	5.39E-06	4.45E-03	5.67E-03
1051	490211.24, 3859916.13	0.08138	0.059	0.07761	1.25E-03	4.29E-06	2.08E-03	0.003335	1.28E-03	4.23E-06	2.32E-03	3.60E-03	1.21E-03	5.37E-06	4.45E-03	5.66E-03
1052	490229.25, 3859815.26	0.0882	0.06203	0.08341	1.35E-03	4.52E-06	2.24E-03	0.003595	1.38E-03	4.44E-06	2.49E-03	3.88E-03	1.31E-03	5.64E-06	4.78E-03	6.10E-03
1053	490279.25, 3859815.26	0.08839	0.06193	0.08353	1.36E-03	4.51E-06	2.24E-03	0.003601	1.39E-03	4.44E-06	2.49E-03	3.88E-03	1.32E-03	5.63E-06	4.78E-03	6.11E-03
1054	490329.25, 3859815.26	0.08862	0.06189	0.08368	1.36E-03	4.51E-06	2.24E-03	0.003609	1.39E-03	4.43E-06	2.50E-03	3.89E-03	1.32E-03	5.63E-06	4.79E-03	6.12E-03
1055	490379.25, 3859815.26	0.08897	0.06196	0.08402	1.37E-03	4.51E-06	2.25E-03	0.003623	1.39E-03	4.44E-06	2.51E-03	3.91E-03	1.33E-03	5.64E-06	4.81E-03	6.14E-03
1056	490429.25, 3859815.26	0.0894	0.06215	0.0845	1.37E-03	4.52E-06	2.27E-03	0.003643	1.40E-03	4.45E-06	2.52E-03	3.93E-03	1.33E-03	5.65E-06	4.84E-03	6.18E-03
1057	490229.25, 3859865.26	0.0846	0.06043	0.08038	1.30E-03	4.40E-06	2.16E-03	0.003458	1.33E-03	4.33E-06	2.40E-03	3.73E-03	1.26E-03	5.50E-06	4.60E-03	5.87E-03
1058	490279.25, 3859865.26	0.08469	0.06028	0.08042	1.30E-03	4.39E-06	2.16E-03	0.003461	1.33E-03	4.32E-06	2.40E-03	3.73E-03	1.26E-03	5.48E-06	4.61E-03	5.87E-03
1059	490329.25, 3859865.26	0.08484	0.06017	0.0805	1.30E-03	4.38E-06	2.16E-03	0.003465	1.33E-03	4.31E-06	2.40E-03	3.74E-03	1.26E-03	5.47E-06	4.61E-03	5.88E-03
1060	490379.25, 3859865.26	0.08509	0.06014	0.0807	1.31E-03	4.38E-06	2.16E-03	0.003475	1.33E-03	4.31E-06	2.41E-03	3.75E-03	1.27E-03	5.47E-06	4.62E-03	5.90E-03
1061	490429.25, 3859865.26	0.08539	0.06018	0.08098	1.31E-03	4.38E-06	2.17E-03	0.003487	1.34E-03	4.31E-06	2.42E-03	3.76E-03	1.27E-03	5.47E-06	4.64E-03	5.92E-03
1062	490229.25, 3859915.26	0.08141	0.05896	0.07764	1.25E-03	4.29E-06	2.08E-03	0.003336	1.28E-03	4.22E-06	2.32E-03	3.60E-03	1.21E-03	5.36E-06	4.45E-03	5.67E-03
1063	490279.25, 3859915.26	0.08137	0.05874	0.07756	1.25E-03	4.28E-06	2.08E-03	0.003333	1.28E-03	4.21E-06	2.31E-03	3.59E-03	1.21E-03	5.34E-06	4.44E-03	5.66E-03
1064	490329.25, 3859915.26	0.08142	0.05859	0.07758	1.25E-03	4.26E-06	2.08E-03	0.003334	1.28E-03	4.20E-06	2.31E-03	3.60E-03	1.21E-03	5.33E-06	4.44E-03	5.66E-03
1065	490379.25, 3859915.26	0.08157	0.0585	0.07769	1.25E-03	4.26E-06	2.08E-03	0.00334	1.28E-03	4.19E-06	2.32E-03	3.60E-03	1.22E-03	5.32E-06	4.45E-03	5.67E-03
1066	490429.25, 3859915.26	0.08175	0.05844	0.07783	1.25E-03	4.25E-06	2.09E-03	0.003346	1.28E-03	4.19E-06	2.32E-03	3.61E-03	1.22E-03	5.32E-06	4.46E-03	5.68E-03
1067	490451.43, 3859872.59	0.08496	0.05993	0.08061	1.30E-03	4.36E-06	2.16E-03	0.00347	1.33E-03	4.29E-06	2.40E-03	3.74E-03	1.27E-03	5.45E-06	4.62E-03	5.89E-03
1068	490501.43, 3859872.59	0.08536	0.06008	0.08103	1.31E-03	4.37E-06	2.17E-03	0.003488	1.34E-03	4.30E-06	2.42E-03	3.76E-03	1.27E-03	5.46E-06	4.64E-03	5.92E-03
1069	490551.43, 3859872.59	0.08584	0.06036	0.08163	1.32E-03	4.39E-06	2.19E-03	0.003511	1.35E-03	4.32E-06	2.44E-03	3.79E-03	1.28E-03	5.49E-06	4.68E-03	5.96E-03
1070	490601.43, 3859872.59	0.08628	0.06065	0.08221	1.32E-03	4.41E-06	2.20E-03	0.003533	1.35E-03	4.35E-06	2.45E-03	3.81E-03	1.29E-03	5.52E-06	4.71E-03	6.00E-03
1071	490451.43, 3859922.59	0.08136	0.05819	0.07748	1.25E-03	4.24E-06	2.08E-03	0.003331	1.28E-03	4.17E-06	2.31E-03	3.59E-03	1.21E-03	5.29E-06	4.44E-03	5.66E-03
1072	490501.43, 3859922.59	0.08165	0.05824	0.07776	1.25E-03	4.24E-06	2.09E-03	0.003343	1.28E-03	4.17E-06	2.32E-03	3.60E-03	1.22E-03	5.30E-06	4.45E-03	5.68E-03
1073	490551.43, 3859922.59	0.08207	0.05841	0.07822	1.26E-03	4.25E-06	2.10E-03	0.003362	1.29E-03	4.19E-06	2.33E-03	3.62E-03	1.22E-03	5.31E-06	4.48E-03	5.71E-03
1074	490601.43, 3859922.59	0.08254	0.05865	0.07877	1.27E-03	4.27E-06	2.11E-03	0.003384	1.29E-03	4.20E-06	2.35E-03	3.65E-03	1.23E-03	5.33E-06	4.51E-03	5.75E-03
1075	482129.67, 3852241.07	0.03687	0.04152	0.03277	5.66E-04	3.02E-06	8.79E-04	0.001448	5.78E-04	2.98E-06	9.78E-04	1.56E-03	5.49E-04	3.78E-06	1.88E-03	2.43E-03
1076	482029.67, 3852291.07	0.03913	0.04388	0.03529	6.00E-04	3.19E-06	9.46E-04	0.00155	6.14E-04	3.14E-06	1.05E-03	1.67E-03	5.83E-04	3.99E-06	2.02E-03	2.61E-03
1077	482079.67, 3852291.07	0.03877	0.04317	0.03482	5.95E-04	3.14E-06	9.34E-04	0.001532	6.08E-04	3.09E-06	1.04E-03	1.65E-03	5.78E-04	3.93E-06	1.99E-03	2.58E-03
1078	482129.67, 3852291.07	0.03829	0.04288	0.03434	5.88E-04	3.12E-06	9.21E-04	0.001512	6.00E-04	3.07E-06	1.02E-03	1.63E-03	5.70E-04	3.90E-06	1.97E-03	2.54E-03
1079	482179.67, 3852291.07	0.03761	0.04252	0.03341	5.77E-04	3.10E-06	8.96E-04	0.001476	5.90E-04	3.05E-06	9.97E-04	1.59E-03	5.60E-04	3.87E-06	1.91E-03	2.48E-03

1080	482229.67, 3852291.07	0.03655	0.04181	0.03274	5.61E-04	3.04E-06	8.78E-04	0.001442	5.73E-04	3.00E-06	9.77E-04	1.55E-03	5.44E-04	3.80E-06	1.88E-03	2.42E-03
1081	482029.67, 3852341.07	0.04056	0.04538	0.03656	6.22E-04	3.30E-06	9.81E-04	0.001606	6.36E-04	3.25E-06	1.09E-03	1.73E-03	6.04E-04	4.13E-06	2.09E-03	2.70E-03
1082	482079.67, 3852341.07	0.04016	0.04511	0.03608	6.16E-04	3.28E-06	9.68E-04	0.001587	6.30E-04	3.23E-06	1.08E-03	1.71E-03	5.98E-04	4.10E-06	2.07E-03	2.67E-03
1083	482129.67, 3852341.07	0.0398	0.04443	0.03559	6.11E-04	3.23E-06	9.55E-04	0.001569	6.24E-04	3.18E-06	1.06E-03	1.69E-03	5.93E-04	4.04E-06	2.04E-03	2.64E-03
1084	482179.67, 3852341.07	0.03924	0.04404	0.03509	6.02E-04	3.21E-06	9.41E-04	0.001546	6.15E-04	3.16E-06	1.05E-03	1.67E-03	5.85E-04	4.01E-06	2.01E-03	2.60E-03
1085	482259.06, 3852400.14	0.04082	0.0457	0.03594	6.26E-04	3.33E-06	9.64E-04	0.001594	6.40E-04	3.27E-06	1.07E-03	1.72E-03	6.08E-04	4.16E-06	2.06E-03	2.67E-03
1086	482309.06, 3852400.14	0.03984	0.04467	0.03506	6.11E-04	3.25E-06	9.40E-04	0.001555	6.25E-04	3.20E-06	1.05E-03	1.67E-03	5.94E-04	4.06E-06	2.01E-03	2.61E-03
1087	482209.06, 3852450.14	0.04265	0.04786	0.03773	6.54E-04	3.48E-06	1.01E-03	0.00167	6.69E-04	3.43E-06	1.13E-03	1.80E-03	6.35E-04	4.35E-06	2.16E-03	2.80E-03
1088	482259.06, 3852450.14	0.04228	0.04741	0.03725	6.49E-04	3.45E-06	9.99E-04	0.001651	6.63E-04	3.40E-06	1.11E-03	1.78E-03	6.30E-04	4.31E-06	2.13E-03	2.77E-03
1089	482309.06, 3852450.14	0.04164	0.04654	0.03679	6.39E-04	3.39E-06	9.87E-04	0.001629	6.53E-04	3.33E-06	1.10E-03	1.75E-03	6.20E-04	4.23E-06	2.11E-03	2.73E-03
1090	482209.06, 3852500.14	0.04414	0.0496	0.03912	6.77E-04	3.61E-06	1.05E-03	0.00173	6.92E-04	3.55E-06	1.17E-03	1.86E-03	6.58E-04	4.51E-06	2.24E-03	2.90E-03
1091	482259.06, 3852500.14	0.04377	0.04919	0.03863	6.72E-04	3.58E-06	1.04E-03	0.001711	6.86E-04	3.52E-06	1.15E-03	1.84E-03	6.52E-04	4.47E-06	2.21E-03	2.87E-03
1092	482309.06, 3852500.14	0.04331	0.04864	0.03815	6.65E-04	3.54E-06	1.02E-03	0.001691	6.79E-04	3.49E-06	1.14E-03	1.82E-03	6.45E-04	4.42E-06	2.19E-03	2.84E-03
1093	482283.91, 3852513.62	0.04401	0.04944	0.03877	6.75E-04	3.60E-06	1.04E-03	0.001719	6.90E-04	3.54E-06	1.16E-03	1.85E-03	6.56E-04	4.50E-06	2.22E-03	2.88E-03
1094	482333.91, 3852513.62	0.04358	0.04886	0.03833	6.69E-04	3.56E-06	1.03E-03	0.0017	6.83E-04	3.50E-06	1.14E-03	1.83E-03	6.49E-04	4.44E-06	2.20E-03	2.85E-03
1095	482283.91, 3852563.62	0.04564	0.05134	0.04022	7.00E-04	3.74E-06	1.08E-03	0.001783	7.16E-04	3.68E-06	1.20E-03	1.92E-03	6.80E-04	4.67E-06	2.30E-03	2.99E-03
1096	482333.91, 3852563.62	0.04532	0.05083	0.03978	6.95E-04	3.70E-06	1.07E-03	0.001766	7.11E-04	3.64E-06	1.19E-03	1.90E-03	6.75E-04	4.62E-06	2.28E-03	2.96E-03
1097	482383.91, 3852563.62	0.04502	0.05021	0.0394	6.91E-04	3.65E-06	1.06E-03	0.001751	7.06E-04	3.60E-06	1.18E-03	1.88E-03	6.71E-04	4.57E-06	2.26E-03	2.93E-03
1098	482283.91, 3852613.62	0.04727	0.0533	0.04178	7.25E-04	3.88E-06	1.12E-03	0.00185	7.41E-04	3.82E-06	1.25E-03	1.99E-03	7.04E-04	4.85E-06	2.39E-03	3.10E-03
1099	482333.91, 3852613.62	0.04699	0.05283	0.04126	7.21E-04	3.85E-06	1.11E-03	0.001832	7.37E-04	3.79E-06	1.23E-03	1.97E-03	7.00E-04	4.81E-06	2.36E-03	3.07E-03
1100	482383.91, 3852613.62	0.04674	0.05226	0.04085	7.17E-04	3.80E-06	1.10E-03	0.001817	7.33E-04	3.74E-06	1.22E-03	1.96E-03	6.96E-04	4.75E-06	2.34E-03	3.04E-03
1101	482602.38, 3852600.87	0.04412	0.04716	0.03894	6.77E-04	3.43E-06	1.04E-03	0.001725	6.92E-04	3.38E-06	1.16E-03	1.86E-03	6.57E-04	4.29E-06	2.23E-03	2.89E-03
1102	482652.38, 3852600.87	0.04363	0.04601	0.03872	6.70E-04	3.35E-06	1.04E-03	0.001711	6.84E-04	3.30E-06	1.16E-03	1.84E-03	6.50E-04	4.19E-06	2.22E-03	2.87E-03
1103	482702.38, 3852600.87	0.04214	0.04428	0.03796	6.47E-04	3.22E-06	1.02E-03	0.001668	6.61E-04	3.17E-06	1.13E-03	1.80E-03	6.28E-04	4.03E-06	2.17E-03	2.81E-03
1104	482552.38, 3852650.87	0.04698	0.05071	0.04117	7.21E-04	3.69E-06	1.10E-03	0.001829	7.37E-04	3.63E-06	1.23E-03	1.97E-03	7.00E-04	4.61E-06	2.36E-03	3.06E-03
1105	482602.38, 3852650.87	0.04649	0.04957	0.04061	7.13E-04	3.61E-06	1.09E-03	0.001806	7.29E-04	3.55E-06	1.21E-03	1.94E-03	6.93E-04	4.51E-06	2.33E-03	3.02E-03
1106	482652.38, 3852650.87	0.04616	0.04853	0.04045	7.08E-04	3.53E-06	1.08E-03	0.001797	7.24E-04	3.48E-06	1.21E-03	1.93E-03	6.88E-04	4.41E-06	2.32E-03	3.01E-03
1107	482702.38, 3852650.87	0.04566	0.04747	0.04021	7.01E-04	3.46E-06	1.08E-03	0.001783	7.16E-04	3.40E-06	1.20E-03	1.92E-03	6.80E-04	4.32E-06	2.30E-03	2.99E-03
1108	482552.38, 3852700.87	0.04891	0.05336	0.04272	7.51E-04	3.88E-06	1.15E-03	0.0019	7.67E-04	3.82E-06	1.27E-03	2.05E-03	7.29E-04	4.85E-06	2.45E-03	3.18E-03
1109	482602.38, 3852700.87	0.04884	0.05244	0.04262	7.49E-04	3.82E-06	1.14E-03	0.001896	7.66E-04	3.76E-06	1.27E-03	2.04E-03	7.28E-04	4.77E-06	2.44E-03	3.17E-03
1110	482652.38, 3852700.87	0.04901	0.05159	0.04257	7.52E-04	3.76E-06	1.14E-03	0.001898	7.68E-04	3.70E-06	1.27E-03	2.04E-03	7.30E-04	4.69E-06	2.44E-03	3.17E-03
1111	482702.38, 3852700.87	0.04858	0.05017	0.04238	7.45E-04	3.65E-06	1.14E-03	0.001886	7.62E-04	3.59E-06	1.26E-03	2.03E-03	7.24E-04	4.56E-06	2.43E-03	3.16E-03
1112	482452.38, 3852750.87	0.05133	0.05746	0.0448	7.88E-04	4.18E-06	1.20E-03	0.001993	8.05E-04	4.12E-06	1.34E-03	2.15E-03	7.65E-04	5.23E-06	2.57E-03	3.34E-03
1113	482521.29, 3852749.74	0.05103	0.05631	0.04444	7.83E-04	4.10E-06	1.19E-03	0.001979	8.00E-04	4.03E-06	1.33E-03	2.13E-03	7.60E-04	5.12E-06	2.55E-03	3.31E-03
1114	482571.29, 3852749.74	0.05094	0.0554	0.0443	7.82E-04	4.03E-06	1.19E-03	0.001974	7.99E-04	3.97E-06	1.32E-03	2.12E-03	7.59E-04	5.04E-06	2.54E-03	3.30E-03
1115	482521.29, 3852799.74	0.05309	0.05883	0.04613	8.15E-04	4.28E-06	1.24E-03	0.002056	8.32E-04	4.22E-06	1.38E-03	2.21E-03	7.91E-04	5.35E-06	2.64E-03	3.44E-03
1116	482571.29, 3852799.74	0.05306	0.05794	0.04602	8.14E-04	4.22E-06	1.23E-03	0.002053	8.32E-04	4.15E-06	1.37E-03	2.21E-03	7.90E-04	5.27E-06	2.64E-03	3.43E-03
1117	482621.29, 3852799.74	0.05305	0.05699	0.04596	8.14E-04	4.15E-06	1.23E-03	0.002051	8.32E-04	4.08E-06	1.37E-03	2.21E-03	7.90E-04	5.18E-06	2.63E-03	3.43E-03
1118	482571.29, 3852849.74	0.05518	0.06059	0.04782	8.47E-04	4.41E-06	1.28E-03	0.002134	8.65E-04	4.34E-06	1.43E-03	2.30E-03	8.22E-04	5.51E-06	2.74E-03	3.57E-03
1119	482621.29, 3852849.74	0.0552	0.05962	0.04779	8.47E-04	4.34E-06	1.28E-03	0.002133	8.65E-04	4.27E-06	1.43E-03	2.30E-03	8.22E-04	5.42E-06	2.74E-03	3.57E-03
1120	482577.42, 3852901.55	0.05757	0.06338	0.04984	8.83E-04	4.61E-06	1.34E-03	0.002225	9.03E-04	4.54E-06	1.49E-03	2.39E-03	8.58E-04	5.77E-06	2.86E-03	3.72E-03
1121	482627.42, 3852901.55	0.05761	0.06239	0.04981	8.84E-04	4.54E-06	1.34E-03	0.002225	9.03E-04	4.47E-06	1.49E-03	2.39E-03	8.58E-04	5.68E-06	2.85E-03	3.72E-03
1122	482629.96, 3852955.85	0.06041	0.06559	0.05207	9.27E-04	4.77E-06	1.40E-03	0.002328	9.47E-04	4.70E-06	1.55E-03	2.51E-03	9.00E-04	5.97E-06	2.98E-03	3.89E-03
1123	482679.96, 3852955.85	0.06048	0.06453	0.05206	9.28E-04	4.70E-06	1.40E-03	0.002329	9.48E-04	4.62E-06	1.55E-03	2.51E-03	9.01E-04	5.87E-06	2.98E-03	3.89E-03
1124	482781.63, 3853034.48	0.06461	0.06729	0.0553	9.91E-04	4.90E-06	1.48E-03	0.00248	1.01E-03	4.82E-06	1.65E-03	2.67E-03	9.63E-04	6.12E-06	3.17E-03	4.14E-03
1125	482831.63, 3853034.48	0.06354	0.06618	0.05471	9.75E-04	4.82E-06	1.47E-03	0.002447	9.96E-04	4.74E-06	1.63E-03	2.63E-03	9.47E-04	6.02E-06	3.13E-03	4.09E-03
1126	482881.63, 3853034.48	0.06255	0.06444	0.05396	9.60E-04	4.69E-06	1.45E-03	0.002412	9.81E-04	4.62E-06	1.61E-03	2.60E-03	9.32E-04	5.86E-06	3.09E-03	4.03E-03
1127	482781.63, 3853084.48	0.06831	0.07077	0.05798	1.05E-03	5.15E-06	1.56E-03	0.002608	1.07E-03	5.07E-06	1.73E-03	2.81E-03	1.02E-03	6.44E-06	3.32E-03	4.35E-03
1128	482831.63, 3853084.48	0.06724	0.0696	0.05737	1.03E-03	5.07E-06	1.54E-03	0.002576	1.05E-03	4.99E-06	1.71E-03	2.77E-03	1.00E-03	6.33E-06	3.29E-03	4.29E-03
1129	482881.63, 3853084.48	0.06614	0.06856	0.05658	1.01E-03	4.99E-06	1.52E-03	0.002537	1.04E-03	4.91E-06	1.69E-03	2.73E-03	9.85E-04	6.24E-06	3.24E-03	4.23E-03
1130	482781.63, 3853134.48	0.07262	0.07453	0.06088	1.11E-03	5.43E-06	1.63E-03	0.002753	1.14E-03	5.34E-06	1.82E-03	2.96E-03	1.08E-03	6.78E-06	3.49E-03	4.58E-03
1131	482831.63, 3853134.48	0.0715	0.07332	0.0603	1.10E-03	5.34E-06	1.62E-03	0.00272	1.12E-03	5.25E-06	1.80E-03	2.93E-03	1.07E-03	6.67E-06	3.45E-03	4.53E-03
1132	482881.63, 3853134.48	0.07044	0.07223	0.05948	1.08E-03	5.26E-06	1.60E-03	0.002681	1.10E-03	5.18E-06	1.77E-03	2.88E-03	1.05E-03	6.57E-06	3.41E-03	4.46E-03
1133	482831.63, 3853184.48	0.07646	0.0773	0.06348	1.17E-03	5.63E-06	1.70E-03	0.002881	1.20E-03	5.54E-06	1.89E-03	3.10E-03	1.14E-03	7.03E-06	3.64E-03	4.78E-03
1134	482881.63, 3853184.48	0.07527	0.07615	0.06263	1.16E-03	5.54E-06	1.68E-03	0.00284	1.18E-03	5.46E-06	1.87E-03	3.05E-03	1.12E-03	6.93E-06	3.59E-03	4.72E-03
1135	484154.84, 3854250.98	0.18462	0.18588	0.25036	2.83E-03	1.35E-05	6.71E-03	0.009561	2.89E-03	1.33E-05	7.47E-03	1.04E-02	2.75E-03	1.69E-05	1.43E-02	1.71E-02
1136	484204.84, 3854250.98	0.18093	0.19172	0.2424	2.78E-03	1.40E-05	6.50E-03	0.009292	2.84E-03	1.37E-05	7.23E-03	1.01E-02	2.70E-03	1.74E-05	1.39E-02	1.66E-02

1137	484154.84, 3854300.98	0.19257	0.2165	0.25889	2.96E-03	1.58E-05	6.94E-03	0.009914	3.02E-03	1.55E-05	7.72E-03	1.08E-02	2.87E-03	1.97E-05	1.48E-02	1.77E-02
1138	484204.84, 3854300.98	0.19126	0.22629	0.25349	2.93E-03	1.65E-05	6.80E-03	0.00975	3.00E-03	1.62E-05	7.56E-03	1.06E-02	2.85E-03	2.06E-05	1.45E-02	1.74E-02
1139	484074.19, 3854519.8	0.30923	0.59889	0.36959	4.75E-03	4.36E-05	9.91E-03	0.014701	4.85E-03	4.29E-05	1.10E-02	1.59E-02	4.61E-03	5.45E-05	2.12E-02	2.58E-02
1140	484124.19, 3854519.8	0.29482	0.59618	0.35034	4.52E-03	4.34E-05	9.40E-03	0.013964	4.62E-03	4.27E-05	1.05E-02	1.51E-02	4.39E-03	5.42E-05	2.01E-02	2.45E-02
1141	484074.19, 3854569.8	0.35354	0.80136	0.40297	5.43E-03	5.83E-05	1.08E-02	0.016291	5.54E-03	5.74E-05	1.20E-02	1.76E-02	5.27E-03	7.29E-05	2.31E-02	2.84E-02
1142	484124.19, 3854569.8	0.33209	0.78099	0.37791	5.10E-03	5.68E-05	1.01E-02	0.015289	5.21E-03	5.60E-05	1.13E-02	1.65E-02	4.95E-03	7.10E-05	2.16E-02	2.67E-02
1143	485205.11, 3855188.89	0.67694	1.27012	0.60134	1.04E-02	9.25E-05	1.61E-02	0.026608	1.06E-02	9.10E-05	1.79E-02	2.86E-02	1.01E-02	1.16E-04	3.44E-02	4.46E-02
1144	485255.11, 3855188.89	0.63821	1.18395	0.56798	9.79E-03	8.62E-05	1.52E-02	0.025113	1.00E-02	8.48E-05	1.69E-02	2.70E-02	9.51E-03	1.08E-04	3.25E-02	4.22E-02
1145	485205.11, 3855238.89	0.70747	1.18699	0.62471	1.09E-02	8.64E-05	1.68E-02	0.027698	1.11E-02	8.51E-05	1.86E-02	2.98E-02	1.05E-02	1.08E-04	3.58E-02	4.64E-02
1146	485255.11, 3855238.89	0.68079	1.13554	0.60412	1.04E-02	8.27E-05	1.62E-02	0.026732	1.07E-02	8.14E-05	1.80E-02	2.88E-02	1.01E-02	1.03E-04	3.46E-02	4.49E-02
1147	485205.11, 3855288.89	0.78897	1.17656	0.69971	1.21E-02	8.56E-05	1.88E-02	0.030959	1.24E-02	8.43E-05	2.09E-02	3.33E-02	1.18E-02	1.07E-04	4.01E-02	5.19E-02
1148	485255.11, 3855288.89	0.74778	1.11352	0.66592	1.15E-02	8.11E-05	1.79E-02	0.029416	1.17E-02	7.98E-05	1.99E-02	3.17E-02	1.11E-02	1.01E-04	3.81E-02	4.94E-02
1149	485255.11, 3855338.89	0.81996	1.08283	0.736	1.26E-02	7.88E-05	1.97E-02	0.032401	1.29E-02	7.76E-05	2.20E-02	3.49E-02	1.22E-02	9.85E-05	4.22E-02	5.45E-02
1150	485305.11, 3855338.89	0.77483	1.02464	0.69617	1.19E-02	7.46E-05	1.87E-02	0.030636	1.21E-02	7.34E-05	2.08E-02	3.30E-02	1.15E-02	9.32E-05	3.99E-02	5.15E-02
1151	485852.5, 3855635.28	0.71396	0.53923	0.68964	1.10E-02	3.93E-05	1.85E-02	0.029492	1.12E-02	3.86E-05	2.06E-02	3.18E-02	1.06E-02	4.90E-05	3.95E-02	5.02E-02
1152	485902.5, 3855635.28	0.68038	0.52055	0.65662	1.04E-02	3.79E-05	1.76E-02	0.028089	1.07E-02	3.73E-05	1.96E-02	3.03E-02	1.01E-02	4.74E-05	3.76E-02	4.78E-02
1153	485852.5, 3855685.28	0.74778	0.51026	0.72769	1.15E-02	3.71E-05	1.95E-02	0.031029	1.17E-02	3.66E-05	2.17E-02	3.35E-02	1.11E-02	4.64E-05	4.17E-02	5.29E-02
1154	485902.5, 3855685.28	0.71155	0.49327	0.69167	1.09E-02	3.59E-05	1.86E-02	0.029506	1.12E-02	3.53E-05	2.06E-02	3.18E-02	1.06E-02	4.49E-05	3.96E-02	5.03E-02
1155	485852.5, 3855735.28	0.78389	0.48366	0.76898	1.20E-02	3.52E-05	2.06E-02	0.032689	1.23E-02	3.47E-05	2.29E-02	3.53E-02	1.17E-02	4.40E-05	4.41E-02	5.58E-02
1156	485902.5, 3855735.28	0.75048	0.47148	0.73635	1.15E-02	3.43E-05	1.97E-02	0.0313	1.18E-02	3.38E-05	2.20E-02	3.38E-02	1.12E-02	4.29E-05	4.22E-02	5.34E-02
1157	485852.5, 3855785.28	0.82975	0.46338	0.82241	1.27E-02	3.37E-05	2.21E-02	0.034824	1.30E-02	3.32E-05	2.45E-02	3.76E-02	1.24E-02	4.21E-05	4.71E-02	5.95E-02
1158	485902.5, 3855785.28	0.78345	0.44704	0.77464	1.20E-02	3.25E-05	2.08E-02	0.032831	1.23E-02	3.20E-05	2.31E-02	3.54E-02	1.17E-02	4.07E-05	4.44E-02	5.61E-02
1159	486809.46, 3856465.28	0.75394	0.23534	0.79902	1.16E-02	1.71E-05	2.14E-02	0.033017	1.18E-02	1.69E-05	2.38E-02	3.57E-02	1.12E-02	2.14E-05	4.58E-02	5.70E-02
1160	486859.46, 3856465.28	0.7392	0.23336	0.78264	1.13E-02	1.70E-05	2.10E-02	0.032351	1.16E-02	1.67E-05	2.33E-02	3.50E-02	1.10E-02	2.12E-05	4.48E-02	5.59E-02
1161	486909.46, 3856465.28	0.7228	0.23098	0.76442	1.11E-02	1.68E-05	2.05E-02	0.03161	1.13E-02	1.66E-05	2.28E-02	3.42E-02	1.08E-02	2.10E-05	4.38E-02	5.46E-02
1162	486809.46, 3856515.28	0.78887	0.23507	0.83768	1.21E-02	1.71E-05	2.25E-02	0.034589	1.24E-02	1.68E-05	2.50E-02	3.74E-02	1.18E-02	2.14E-05	4.80E-02	5.98E-02
1163	486859.46, 3856515.28	0.77489	0.23401	0.82212	1.19E-02	1.70E-05	2.20E-02	0.033958	1.21E-02	1.68E-05	2.45E-02	3.67E-02	1.15E-02	2.13E-05	4.71E-02	5.87E-02
1164	486909.46, 3856515.28	0.75856	0.23233	0.80399	1.16E-02	1.69E-05	2.16E-02	0.033221	1.19E-02	1.66E-05	2.40E-02	3.59E-02	1.13E-02	2.11E-05	4.61E-02	5.74E-02
1165	486980.94, 3856357.95	0.64435	0.23062	0.67732	9.89E-03	1.68E-05	1.82E-02	0.028071	1.01E-02	1.65E-05	2.02E-02	3.03E-02	9.60E-03	2.10E-05	3.88E-02	4.84E-02
1166	487030.94, 3856357.95	0.63287	0.22923	0.66479	9.71E-03	1.67E-05	1.78E-02	0.027558	9.92E-03	1.64E-05	1.98E-02	2.98E-02	9.43E-03	2.09E-05	3.81E-02	4.75E-02
1167	486980.94, 3856407.95	0.67195	0.22955	0.70809	1.03E-02	1.67E-05	1.90E-02	0.029319	1.05E-02	1.64E-05	2.11E-02	3.17E-02	1.00E-02	2.09E-05	4.06E-02	5.06E-02
1168	487030.94, 3856407.95	0.65885	0.22793	0.6937	1.01E-02	1.66E-05	1.86E-02	0.028732	1.03E-02	1.63E-05	2.07E-02	3.10E-02	9.81E-03	2.07E-05	3.97E-02	4.96E-02
1169	487447.18, 3856437.45	0.58299	0.23101	0.61222	8.95E-03	1.68E-05	1.64E-02	0.025383	9.14E-03	1.66E-05	1.83E-02	2.74E-02	8.68E-03	2.10E-05	3.51E-02	4.38E-02
1170	487497.18, 3856437.45	0.57377	0.23234	0.60239	8.80E-03	1.69E-05	1.62E-02	0.024978	9.00E-03	1.66E-05	1.80E-02	2.70E-02	8.55E-03	2.11E-05	3.45E-02	4.31E-02
1171	487547.18, 3856437.45	0.56521	0.23378	0.59327	8.67E-03	1.70E-05	1.59E-02	0.024602	8.86E-03	1.68E-05	1.77E-02	2.66E-02	8.42E-03	2.13E-05	3.40E-02	4.24E-02
1172	487447.18, 3856487.45	0.60377	0.23401	0.63512	9.26E-03	1.70E-05	1.70E-02	0.026316	9.47E-03	1.68E-05	1.89E-02	2.84E-02	8.99E-03	2.13E-05	3.64E-02	4.54E-02
1173	487497.18, 3856487.45	0.59352	0.23537	0.62414	9.11E-03	1.71E-05	1.67E-02	0.025865	9.31E-03	1.69E-05	1.86E-02	2.79E-02	8.84E-03	2.14E-05	3.58E-02	4.46E-02
1174	487547.18, 3856487.45	0.58439	0.23709	0.61439	8.97E-03	1.73E-05	1.65E-02	0.025463	9.16E-03	1.70E-05	1.83E-02	2.75E-02	8.71E-03	2.16E-05	3.52E-02	4.39E-02
1175	487447.18, 3856537.45	0.62539	0.2387	0.65895	9.60E-03	1.74E-05	1.77E-02	0.027287	9.81E-03	1.71E-05	1.97E-02	2.95E-02	9.32E-03	2.17E-05	3.77E-02	4.71E-02
1176	487497.18, 3856537.45	0.61403	0.24018	0.64673	9.42E-03	1.75E-05	1.73E-02	0.026785	9.63E-03	1.72E-05	1.93E-02	2.89E-02	9.15E-03	2.18E-05	3.70E-02	4.62E-02
1177	487547.18, 3856537.45	0.60465	0.24251	0.63667	9.28E-03	1.77E-05	1.71E-02	0.026372	9.48E-03	1.74E-05	1.90E-02	2.85E-02	9.01E-03	2.21E-05	3.65E-02	4.55E-02
1178	489285.89, 3858826.54	0.36938	0.13646	0.23669	5.67E-03	9.93E-06	6.35E-03	0.012026	5.79E-03	9.78E-06	7.06E-03	1.29E-02	5.50E-03	1.24E-05	1.36E-02	1.91E-02
1179	489335.89, 3858826.54	0.35167	0.13693	0.2352	5.40E-03	9.97E-06	6.31E-03	0.011715	5.51E-03	9.81E-06	7.02E-03	1.25E-02	5.24E-03	1.25E-05	1.35E-02	1.87E-02
1180	489385.89, 3858826.54	0.33651	0.13735	0.23383	5.16E-03	1.00E-05	6.27E-03	0.011445	5.28E-03	9.84E-06	6.98E-03	1.23E-02	5.01E-03	1.25E-05	1.34E-02	1.84E-02
1181	489435.89, 3858826.54	0.32333	0.13759	0.23224	4.96E-03	1.00E-05	6.23E-03	0.0112	5.07E-03	9.86E-06	6.93E-03	1.20E-02	4.82E-03	1.25E-05	1.33E-02	1.81E-02
1182	489485.89, 3858826.54	0.31193	0.13768	0.23053	4.79E-03	1.00E-05	6.18E-03	0.01098	4.89E-03	9.87E-06	6.88E-03	1.18E-02	4.65E-03	1.25E-05	1.32E-02	1.79E-02
1183	489535.89, 3858826.54	0.30177	0.13766	0.2288	4.63E-03	1.00E-05	6.14E-03	0.010777	4.73E-03	9.86E-06	6.83E-03	1.16E-02	4.50E-03	1.25E-05	1.31E-02	1.76E-02
1184	489585.89, 3858826.54	0.29265	0.13752	0.22698	4.49E-03	1.00E-05	6.09E-03	0.010588	4.59E-03	9.85E-06	6.77E-03	1.14E-02	4.36E-03	1.25E-05	1.30E-02	1.74E-02
1185	489635.89, 3858826.54	0.28442	0.13731	0.2252	4.36E-03	1.00E-05	6.04E-03	0.010414	4.46E-03	9.84E-06	6.72E-03	1.12E-02	4.24E-03	1.25E-05	1.29E-02	1.72E-02
1186	489685.89, 3858826.54	0.27683	0.13702	0.22341	4.25E-03	9.97E-06	5.99E-03	0.01025	4.34E-03	9.82E-06	6.66E-03	1.10E-02	4.12E-03	1.25E-05	1.28E-02	1.69E-02
1187	489735.89, 3858826.54	0.26986	0.13666	0.22158	4.14E-03	9.95E-06	5.94E-03	0.010094	4.23E-03	9.79E-06	6.61E-03	1.09E-02	4.02E-03	1.24E-05	1.27E-02	1.67E-02
1188	489785.89, 3858826.54	0.26353	0.13619	0.21962	4.04E-03	9.91E-06	5.89E-03	0.009944	4.13E-03	9.76E-06	6.55E-03	1.07E-02	3.93E-03	1.24E-05	1.26E-02	1.65E-02
1189	489835.89, 3858826.54	0.25754	0.13574	0.21778	3.95E-03	9.88E-06	5.84E-03	0.009803	4.04E-03	9.73E-06	6.50E-03	1.05E-02	3.84E-03	1.23E-05	1.25E-02	1.63E-02
1190	489885.89, 3858826.54	0.2521	0.13518	0.21577	3.87E-03	9.84E-06	5.79E-03	0.009665	3.95E-03	9.69E-06	6.44E-03	1.04E-02	3.76E-03	1.23E-05	1.24E-02	1.61E-02
1191	489935.89, 3858826.54	0.24697	0.13463	0.2138	3.79E-03	9.80E-06	5.73E-03	0.009534	3.87E-03	9.65E-06	6.38E-03	1.03E-02	3.68E-03	1.22E-05	1.22E-02	1.59E-02
1192	489985.89, 3858826.54	0.24213	0.13408	0.21186	3.72E-03	9.76E-06	5.68E-03	0.009407	3.80E-03	9.61E-06	6.32E-03	1.01E-02	3.61E-03	1.22E-05	1.21E-02	1.58E-02
1193	490035.89, 3858826.54	0.23743	0.13359	0.21006	3.64E-03	9.72E-06	5.63E-03	0.009287	3.72E-03	9.57E-06	6.27E-03	1.00E-02	3.54E-03	1.22E-05	1.20E-02	1.56E-02

1194	489285.89, 3858876.54	0.34623	0.12897	0.22085	5.31E-03	9.39E-06	5.92E-03	0.011246	5.43E-03	9.24E-06	6.59E-03	1.20E-02	5.16E-03	1.17E-05	1.27E-02	1.78E-02
1195	489335.89, 3858876.54	0.33018	0.1296	0.21998	5.07E-03	9.43E-06	5.90E-03	0.010976	5.18E-03	9.29E-06	6.56E-03	1.17E-02	4.92E-03	1.18E-05	1.26E-02	1.75E-02
1196	489385.89, 3858876.54	0.31657	0.13012	0.21894	4.86E-03	9.47E-06	5.87E-03	0.010739	4.96E-03	9.32E-06	6.53E-03	1.15E-02	4.72E-03	1.18E-05	1.25E-02	1.73E-02
1197	489435.89, 3858876.54	0.30488	0.13056	0.21781	4.68E-03	9.50E-06	5.84E-03	0.01053	4.78E-03	9.35E-06	6.50E-03	1.13E-02	4.54E-03	1.19E-05	1.25E-02	1.70E-02
1198	489485.89, 3858876.54	0.29459	0.13088	0.21661	4.52E-03	9.53E-06	5.81E-03	0.01034	4.62E-03	9.38E-06	6.46E-03	1.11E-02	4.39E-03	1.19E-05	1.24E-02	1.68E-02
1199	489535.89, 3858876.54	0.28544	0.13109	0.21535	4.38E-03	9.54E-06	5.78E-03	0.010165	4.48E-03	9.39E-06	6.42E-03	1.09E-02	4.25E-03	1.19E-05	1.23E-02	1.66E-02
1200	489585.89, 3858876.54	0.27726	0.13124	0.21412	4.25E-03	9.55E-06	5.74E-03	0.010007	4.35E-03	9.40E-06	6.39E-03	1.07E-02	4.13E-03	1.19E-05	1.23E-02	1.64E-02
1201	489635.89, 3858876.54	0.2699	0.1312	0.21267	4.14E-03	9.55E-06	5.70E-03	0.009855	4.23E-03	9.40E-06	6.34E-03	1.06E-02	4.02E-03	1.19E-05	1.22E-02	1.62E-02
1202	489685.89, 3858876.54	0.26317	0.1311	0.21125	4.04E-03	9.54E-06	5.67E-03	0.009714	4.13E-03	9.39E-06	6.30E-03	1.04E-02	3.92E-03	1.19E-05	1.21E-02	1.60E-02
1203	489735.89, 3858876.54	0.25688	0.13093	0.20984	3.94E-03	9.53E-06	5.63E-03	0.009579	4.03E-03	9.38E-06	6.26E-03	1.03E-02	3.83E-03	1.19E-05	1.20E-02	1.59E-02
1204	489785.89, 3858876.54	0.25118	0.13062	0.20825	3.85E-03	9.51E-06	5.59E-03	0.009449	3.94E-03	9.36E-06	6.21E-03	1.02E-02	3.74E-03	1.19E-05	1.19E-02	1.57E-02
1205	489835.89, 3858876.54	0.2458	0.13029	0.20674	3.77E-03	9.48E-06	5.54E-03	0.009326	3.85E-03	9.34E-06	6.17E-03	1.00E-02	3.66E-03	1.19E-05	1.18E-02	1.55E-02
1206	489885.89, 3858876.54	0.24093	0.12982	0.20501	3.70E-03	9.45E-06	5.50E-03	0.009205	3.78E-03	9.30E-06	6.12E-03	9.90E-03	3.59E-03	1.18E-05	1.17E-02	1.53E-02
1207	489935.89, 3858876.54	0.2362	0.12942	0.20348	3.62E-03	9.42E-06	5.46E-03	0.009091	3.70E-03	9.27E-06	6.07E-03	9.78E-03	3.52E-03	1.18E-05	1.17E-02	1.52E-02
1208	489985.89, 3858876.54	0.23172	0.12902	0.20197	3.56E-03	9.39E-06	5.42E-03	0.008982	3.63E-03	9.24E-06	6.03E-03	9.67E-03	3.45E-03	1.17E-05	1.16E-02	1.50E-02
1209	490035.89, 3858876.54	0.22749	0.12857	0.20041	3.49E-03	9.36E-06	5.38E-03	0.008875	3.57E-03	9.21E-06	5.98E-03	9.55E-03	3.39E-03	1.17E-05	1.15E-02	1.49E-02
1210	489285.89, 3858926.54	0.31708	0.12188	0.20598	4.87E-03	8.87E-06	5.52E-03	0.010399	4.97E-03	8.73E-06	6.14E-03	1.11E-02	4.72E-03	1.11E-05	1.18E-02	1.65E-02
1211	489335.89, 3858926.54	0.30445	0.12256	0.20562	4.67E-03	8.92E-06	5.51E-03	0.010196	4.77E-03	8.78E-06	6.13E-03	1.09E-02	4.54E-03	1.11E-05	1.18E-02	1.63E-02
1212	489385.89, 3858926.54	0.29343	0.12324	0.20519	4.50E-03	8.97E-06	5.50E-03	0.010015	4.60E-03	8.83E-06	6.12E-03	1.07E-02	4.37E-03	1.12E-05	1.18E-02	1.61E-02
1213	489435.89, 3858926.54	0.28384	0.1238	0.20448	4.36E-03	9.01E-06	5.48E-03	0.009849	4.45E-03	8.87E-06	6.10E-03	1.06E-02	4.23E-03	1.13E-05	1.17E-02	1.60E-02
1214	489485.89, 3858926.54	0.27535	0.12429	0.2037	4.23E-03	9.05E-06	5.46E-03	0.009698	4.32E-03	8.91E-06	6.08E-03	1.04E-02	4.10E-03	1.13E-05	1.17E-02	1.58E-02
1215	489535.89, 3858926.54	0.26773	0.12469	0.20282	4.11E-03	9.08E-06	5.44E-03	0.009557	4.20E-03	8.93E-06	6.05E-03	1.03E-02	3.99E-03	1.13E-05	1.16E-02	1.56E-02
1216	489585.89, 3858926.54	0.2608	0.12499	0.20189	4.00E-03	9.10E-06	5.41E-03	0.009426	4.09E-03	8.96E-06	6.02E-03	1.01E-02	3.89E-03	1.14E-05	1.16E-02	1.55E-02
1217	489635.89, 3858926.54	0.25455	0.12518	0.20086	3.91E-03	9.11E-06	5.39E-03	0.009302	3.99E-03	8.97E-06	5.99E-03	9.99E-03	3.79E-03	1.14E-05	1.15E-02	1.53E-02
1218	489685.89, 3858926.54	0.24871	0.12531	0.19985	3.82E-03	9.12E-06	5.36E-03	0.009186	3.90E-03	8.98E-06	5.96E-03	9.87E-03	3.71E-03	1.14E-05	1.14E-02	1.52E-02
1219	489735.89, 3858926.54	0.24341	0.12526	0.19863	3.74E-03	9.12E-06	5.33E-03	0.009072	3.82E-03	8.98E-06	5.93E-03	9.75E-03	3.63E-03	1.14E-05	1.14E-02	1.50E-02
1220	489785.89, 3858926.54	0.2385	0.12511	0.19734	3.66E-03	9.11E-06	5.29E-03	0.008962	3.74E-03	8.96E-06	5.89E-03	9.64E-03	3.55E-03	1.14E-05	1.13E-02	1.49E-02
1221	489835.89, 3858926.54	0.23378	0.12496	0.19617	3.59E-03	9.10E-06	5.26E-03	0.008858	3.67E-03	8.95E-06	5.85E-03	9.53E-03	3.48E-03	1.14E-05	1.12E-02	1.47E-02
1222	489885.89, 3858926.54	0.22944	0.12467	0.19484	3.52E-03	9.07E-06	5.23E-03	0.008756	3.60E-03	8.93E-06	5.81E-03	9.42E-03	3.42E-03	1.13E-05	1.12E-02	1.46E-02
1223	489935.89, 3858926.54	0.22529	0.12438	0.19356	3.46E-03	9.05E-06	5.19E-03	0.008658	3.53E-03	8.91E-06	5.77E-03	9.32E-03	3.36E-03	1.13E-05	1.11E-02	1.45E-02
1224	489985.89, 3858926.54	0.22129	0.12409	0.19236	3.40E-03	9.03E-06	5.16E-03	0.008564	3.47E-03	8.89E-06	5.74E-03	9.22E-03	3.30E-03	1.13E-05	1.10E-02	1.43E-02
1225	490035.89, 3858926.54	0.21735	0.12384	0.19126	3.34E-03	9.01E-06	5.13E-03	0.008474	3.41E-03	8.87E-06	5.71E-03	9.12E-03	3.24E-03	1.13E-05	1.10E-02	1.42E-02
1226	489335.89, 3858976.54	0.27688	0.11603	0.19226	4.25E-03	8.45E-06	5.16E-03	0.009414	4.34E-03	8.31E-06	5.74E-03	1.01E-02	4.12E-03	1.06E-05	1.10E-02	1.51E-02
1227	489385.89, 3858976.54	0.269	0.11672	0.19227	4.13E-03	8.50E-06	5.16E-03	0.009293	4.22E-03	8.36E-06	5.74E-03	9.96E-03	4.01E-03	1.06E-05	1.10E-02	1.50E-02
1228	489435.89, 3858976.54	0.26196	0.11729	0.19186	4.02E-03	8.54E-06	5.15E-03	0.009174	4.11E-03	8.40E-06	5.72E-03	9.84E-03	3.90E-03	1.07E-05	1.10E-02	1.49E-02
1229	489485.89, 3858976.54	0.25542	0.1179	0.19153	3.92E-03	8.58E-06	5.14E-03	0.009065	4.00E-03	8.45E-06	5.71E-03	9.73E-03	3.81E-03	1.07E-05	1.10E-02	1.48E-02
1230	489535.89, 3858976.54	0.24936	0.11847	0.19111	3.83E-03	8.62E-06	5.13E-03	0.008961	3.91E-03	8.49E-06	5.70E-03	9.62E-03	3.71E-03	1.08E-05	1.09E-02	1.47E-02
1231	489585.89, 3858976.54	0.24392	0.11889	0.19041	3.74E-03	8.65E-06	5.11E-03	0.008859	3.82E-03	8.52E-06	5.68E-03	9.51E-03	3.63E-03	1.08E-05	1.09E-02	1.46E-02
1232	489635.89, 3858976.54	0.2388	0.11926	0.18973	3.66E-03	8.68E-06	5.09E-03	0.008762	3.74E-03	8.55E-06	5.66E-03	9.41E-03	3.56E-03	1.08E-05	1.09E-02	1.44E-02
1233	489685.89, 3858976.54	0.23408	0.11956	0.18902	3.59E-03	8.70E-06	5.07E-03	0.00867	3.67E-03	8.57E-06	5.64E-03	9.32E-03	3.49E-03	1.09E-05	1.08E-02	1.43E-02
1234	489735.89, 3858976.54	0.22966	0.11971	0.18813	3.52E-03	8.71E-06	5.05E-03	0.008579	3.60E-03	8.58E-06	5.61E-03	9.22E-03	3.42E-03	1.09E-05	1.08E-02	1.42E-02
1235	489785.89, 3858976.54	0.22555	0.11972	0.18709	3.46E-03	8.71E-06	5.02E-03	0.008488	3.54E-03	8.58E-06	5.58E-03	9.13E-03	3.36E-03	1.09E-05	1.07E-02	1.41E-02
1236	489835.89, 3858976.54	0.22165	0.11967	0.18606	3.40E-03	8.71E-06	4.99E-03	0.0084	3.48E-03	8.57E-06	5.55E-03	9.03E-03	3.30E-03	1.09E-05	1.07E-02	1.40E-02
1237	489885.89, 3858976.54	0.21785	0.11966	0.18524	3.34E-03	8.71E-06	4.97E-03	0.00832	3.42E-03	8.57E-06	5.53E-03	8.95E-03	3.25E-03	1.09E-05	1.06E-02	1.39E-02
1238	489935.89, 3858976.54	0.21424	0.11954	0.18428	3.29E-03	8.70E-06	4.94E-03	0.008239	3.36E-03	8.57E-06	5.50E-03	8.87E-03	3.19E-03	1.09E-05	1.06E-02	1.38E-02
1239	489985.89, 3858976.54	0.21083	0.11933	0.18324	3.24E-03	8.69E-06	4.91E-03	0.008158	3.31E-03	8.55E-06	5.47E-03	8.78E-03	3.14E-03	1.09E-05	1.05E-02	1.36E-02
1240	490035.89, 3858976.54	0.20688	0.11942	0.18282	3.17E-03	8.69E-06	4.90E-03	0.008087	3.24E-03	8.56E-06	5.45E-03	8.71E-03	3.08E-03	1.09E-05	1.05E-02	1.36E-02
1241	489385.89, 3859026.54	0.24488	0.11067	0.18011	3.76E-03	8.06E-06	4.83E-03	0.008596	3.84E-03	7.93E-06	5.37E-03	9.22E-03	3.65E-03	1.01E-05	1.03E-02	1.40E-02
1242	489435.89, 3859026.54	0.24013	0.11128	0.18021	3.68E-03	8.10E-06	4.83E-03	0.008526	3.77E-03	7.97E-06	5.38E-03	9.15E-03	3.58E-03	1.01E-05	1.03E-02	1.39E-02
1243	489485.89, 3859026.54	0.23557	0.1119	0.1802	3.61E-03	8.15E-06	4.83E-03	0.008456	3.69E-03	8.02E-06	5.38E-03	9.08E-03	3.51E-03	1.02E-05	1.03E-02	1.38E-02
1244	489535.89, 3859026.54	0.23123	0.11248	0.18	3.55E-03	8.19E-06	4.83E-03	0.008384	3.63E-03	8.06E-06	5.37E-03	9.00E-03	3.44E-03	1.02E-05	1.03E-02	1.38E-02
1245	489585.89, 3859026.54	0.22701	0.11306	0.17978	3.48E-03	8.23E-06	4.82E-03	0.008314	3.56E-03	8.10E-06	5.36E-03	8.93E-03	3.38E-03	1.03E-05	1.03E-02	1.37E-02
1246	489635.89, 3859026.54	0.22313	0.11352	0.17933	3.42E-03	8.26E-06	4.81E-03	0.008242	3.50E-03	8.13E-06	5.35E-03	8.86E-03	3.32E-03	1.03E-05	1.03E-02	1.36E-02
1247	489685.89, 3859026.54	0.21943	0.11392	0.17882	3.37E-03	8.29E-06	4.80E-03	0.008172	3.44E-03	8.16E-06	5.33E-03	8.78E-03	3.27E-03	1.04E-05	1.02E-02	1.35E-02
1248	489735.89, 3859026.54	0.21594	0.1142	0.17814	3.31E-03	8.31E-06	4.78E-03	0.0081	3.39E-03	8.18E-06	5.31E-03	8.71E-03	3.22E-03	1.04E-05	1.02E-02	1.34E-02
1249	489785.89, 3859026.54	0.21262	0.1144	0.17741	3.26E-03	8.33E-06	4.76E-03	0.008029	3.33E-03	8.20E-06	5.29E-03	8.63E-03	3.17E-03	1.04E-05	1.02E-02	1.33E-02
1250	489835.89, 3859026.54	0.20941	0.11462	0.17685	3.21E-03	8.34E-06	4.74E-03	0.007965	3.28E-03	8.21E-06	5.28E-03	8.57E-03	3.12E-03	1.04E-05	1.01E-02	1.33E-02

1251	489885.89, 3859026.54	0.20634	0.11471	0.17613	3.17E-03	8.35E-06	4.72E-03	0.007899	3.24E-03	8.22E-06	5.25E-03	8.50E-03	3.07E-03	1.04E-05	1.01E-02	1.32E-02
1252	489935.89, 3859026.54	0.20331	0.11476	0.17543	3.12E-03	8.35E-06	4.71E-03	0.007833	3.19E-03	8.22E-06	5.23E-03	8.43E-03	3.03E-03	1.04E-05	1.00E-02	1.31E-02
1253	489985.89, 3859026.54	0.20038	0.11473	0.17469	3.07E-03	8.35E-06	4.69E-03	0.007768	3.14E-03	8.22E-06	5.21E-03	8.36E-03	2.99E-03	1.04E-05	1.00E-02	1.30E-02
1254	490035.89, 3859026.54	0.19677	0.11499	0.17456	3.02E-03	8.37E-06	4.68E-03	0.00771	3.09E-03	8.24E-06	5.21E-03	8.30E-03	2.93E-03	1.05E-05	1.00E-02	1.29E-02
1255	489485.89, 3859076.54	0.21668	0.1063	0.16946	3.32E-03	7.74E-06	4.54E-03	0.007878	3.40E-03	7.62E-06	5.06E-03	8.46E-03	3.23E-03	9.67E-06	9.71E-03	1.29E-02
1256	489535.89, 3859076.54	0.21376	0.10689	0.16963	3.28E-03	7.78E-06	4.55E-03	0.007838	3.35E-03	7.66E-06	5.06E-03	8.42E-03	3.18E-03	9.72E-06	9.72E-03	1.29E-02
1257	489585.89, 3859076.54	0.21078	0.10748	0.16967	3.23E-03	7.82E-06	4.55E-03	0.007793	3.30E-03	7.70E-06	5.06E-03	8.37E-03	3.14E-03	9.78E-06	9.72E-03	1.29E-02
1258	489635.89, 3859076.54	0.20801	0.10797	0.16943	3.19E-03	7.86E-06	4.54E-03	0.007744	3.26E-03	7.74E-06	5.05E-03	8.32E-03	3.10E-03	9.82E-06	9.71E-03	1.28E-02
1259	489685.89, 3859076.54	0.20528	0.10843	0.16911	3.15E-03	7.89E-06	4.54E-03	0.007694	3.22E-03	7.77E-06	5.04E-03	8.27E-03	3.06E-03	9.86E-06	9.69E-03	1.28E-02
1260	489735.89, 3859076.54	0.2026	0.10884	0.16873	3.11E-03	7.92E-06	4.53E-03	0.007642	3.18E-03	7.80E-06	5.03E-03	8.22E-03	3.02E-03	9.90E-06	9.67E-03	1.27E-02
1261	489785.89, 3859076.54	0.19999	0.1092	0.16829	3.07E-03	7.95E-06	4.51E-03	0.00759	3.14E-03	7.82E-06	5.02E-03	8.16E-03	2.98E-03	9.93E-06	9.64E-03	1.26E-02
1262	489835.89, 3859076.54	0.19743	0.10953	0.16789	3.03E-03	7.97E-06	4.50E-03	0.00754	3.10E-03	7.85E-06	5.01E-03	8.11E-03	2.94E-03	9.96E-06	9.62E-03	1.26E-02
1263	489885.89, 3859076.54	0.19497	0.1098	0.16746	2.99E-03	7.99E-06	4.49E-03	0.007491	3.06E-03	7.87E-06	5.00E-03	8.06E-03	2.90E-03	9.99E-06	9.59E-03	1.25E-02
1264	489935.89, 3859076.54	0.19258	0.10996	0.16691	2.96E-03	8.00E-06	4.48E-03	0.00744	3.02E-03	7.88E-06	4.98E-03	8.01E-03	2.87E-03	1.00E-05	9.56E-03	1.24E-02
1265	489985.89, 3859076.54	0.19016	0.11012	0.16644	2.92E-03	8.02E-06	4.46E-03	0.00739	2.98E-03	7.89E-06	4.97E-03	7.95E-03	2.83E-03	1.00E-05	9.53E-03	1.24E-02
1266	490035.89, 3859076.54	0.18724	0.11047	0.16643	2.87E-03	8.04E-06	4.46E-03	0.007345	2.94E-03	7.92E-06	4.96E-03	7.91E-03	2.79E-03	1.00E-05	9.53E-03	1.23E-02
1267	489585.89, 3859126.54	0.19568	0.10222	0.15998	3.00E-03	7.44E-06	4.29E-03	0.007301	3.07E-03	7.32E-06	4.77E-03	7.85E-03	2.92E-03	9.30E-06	9.16E-03	1.21E-02
1268	489635.89, 3859126.54	0.19379	0.10271	0.16	2.97E-03	7.48E-06	4.29E-03	0.007272	3.04E-03	7.36E-06	4.77E-03	7.82E-03	2.89E-03	9.34E-06	9.17E-03	1.21E-02
1269	489685.89, 3859126.54	0.19185	0.10322	0.15998	2.94E-03	7.51E-06	4.29E-03	0.007242	3.01E-03	7.40E-06	4.77E-03	7.79E-03	2.86E-03	9.39E-06	9.16E-03	1.20E-02
1270	489735.89, 3859126.54	0.18986	0.1037	0.15987	2.91E-03	7.55E-06	4.29E-03	0.007209	2.98E-03	7.43E-06	4.77E-03	7.75E-03	2.83E-03	9.43E-06	9.16E-03	1.20E-02
1271	489785.89, 3859126.54	0.18789	0.10415	0.15966	2.88E-03	7.58E-06	4.28E-03	0.007173	2.95E-03	7.46E-06	4.76E-03	7.72E-03	2.80E-03	9.47E-06	9.15E-03	1.20E-02
1272	489835.89, 3859126.54	0.18591	0.10458	0.15947	2.85E-03	7.61E-06	4.28E-03	0.007137	2.91E-03	7.49E-06	4.76E-03	7.68E-03	2.77E-03	9.51E-06	9.14E-03	1.19E-02
1273	489885.89, 3859126.54	0.18395	0.105	0.15928	2.82E-03	7.64E-06	4.27E-03	0.007102	2.88E-03	7.52E-06	4.75E-03	7.64E-03	2.74E-03	9.55E-06	9.12E-03	1.19E-02
1274	489935.89, 3859126.54	0.18207	0.10528	0.15892	2.79E-03	7.66E-06	4.26E-03	0.007064	2.85E-03	7.54E-06	4.74E-03	7.60E-03	2.71E-03	9.58E-06	9.10E-03	1.18E-02
1275	489985.89, 3859126.54	0.18003	0.10568	0.15884	2.76E-03	7.69E-06	4.26E-03	0.00703	2.82E-03	7.57E-06	4.74E-03	7.57E-03	2.68E-03	9.61E-06	9.10E-03	1.18E-02
1276	490035.89, 3859126.54	0.1779	0.10598	0.15866	2.73E-03	7.71E-06	4.26E-03	0.006993	2.79E-03	7.59E-06	4.73E-03	7.53E-03	2.65E-03	9.64E-06	9.09E-03	1.17E-02
1277	489585.89, 3859176.54	0.18169	0.09743	0.15091	2.79E-03	7.09E-06	4.05E-03	0.006843	2.85E-03	6.98E-06	4.50E-03	7.36E-03	2.71E-03	8.86E-06	8.64E-03	1.14E-02
1278	489635.89, 3859176.54	0.18053	0.09786	0.15114	2.77E-03	7.12E-06	4.05E-03	0.006831	2.83E-03	7.01E-06	4.51E-03	7.35E-03	2.69E-03	8.90E-06	8.66E-03	1.14E-02
1279	489685.89, 3859176.54	0.17927	0.0983	0.15126	2.75E-03	7.16E-06	4.06E-03	0.006815	2.81E-03	7.04E-06	4.51E-03	7.33E-03	2.67E-03	8.94E-06	8.66E-03	1.13E-02
1280	489735.89, 3859176.54	0.17793	0.09877	0.1513	2.73E-03	7.19E-06	4.06E-03	0.006795	2.79E-03	7.08E-06	4.51E-03	7.31E-03	2.65E-03	8.98E-06	8.67E-03	1.13E-02
1281	489785.89, 3859176.54	0.17653	0.0993	0.15143	2.71E-03	7.23E-06	4.06E-03	0.006778	2.77E-03	7.12E-06	4.52E-03	7.29E-03	2.63E-03	9.03E-06	8.67E-03	1.13E-02
1282	489835.89, 3859176.54	0.17504	0.09979	0.15143	2.69E-03	7.26E-06	4.06E-03	0.006755	2.74E-03	7.15E-06	4.52E-03	7.27E-03	2.61E-03	9.08E-06	8.67E-03	1.13E-02
1283	489885.89, 3859176.54	0.17354	0.10028	0.15143	2.66E-03	7.30E-06	4.06E-03	0.006732	2.72E-03	7.19E-06	4.52E-03	7.25E-03	2.59E-03	9.12E-06	8.67E-03	1.13E-02
1284	489935.89, 3859176.54	0.17207	0.10067	0.15125	2.64E-03	7.33E-06	4.06E-03	0.006704	2.70E-03	7.21E-06	4.51E-03	7.22E-03	2.56E-03	9.16E-06	8.66E-03	1.12E-02
1285	489985.89, 3859176.54	0.17044	0.10117	0.15136	2.62E-03	7.36E-06	4.06E-03	0.006682	2.67E-03	7.25E-06	4.52E-03	7.20E-03	2.54E-03	9.20E-06	8.67E-03	1.12E-02
1286	490035.89, 3859176.54	0.16899	0.10143	0.15104	2.59E-03	7.38E-06	4.05E-03	0.006652	2.65E-03	7.27E-06	4.51E-03	7.16E-03	2.52E-03	9.23E-06	8.65E-03	1.12E-02
1287	489685.89, 3859226.54	0.1676	0.09383	0.1431	2.57E-03	6.83E-06	3.84E-03	0.006417	2.63E-03	6.72E-06	4.27E-03	6.90E-03	2.50E-03	8.53E-06	8.20E-03	1.07E-02
1288	489735.89, 3859226.54	0.16679	0.09421	0.14326	2.56E-03	6.86E-06	3.84E-03	0.006409	2.62E-03	6.75E-06	4.27E-03	6.90E-03	2.48E-03	8.57E-06	8.21E-03	1.07E-02
1289	489785.89, 3859226.54	0.16588	0.09471	0.14353	2.55E-03	6.89E-06	3.85E-03	0.006402	2.60E-03	6.79E-06	4.28E-03	6.89E-03	2.47E-03	8.62E-06	8.22E-03	1.07E-02
1290	489835.89, 3859226.54	0.16487	0.09526	0.14382	2.53E-03	6.93E-06	3.86E-03	0.006394	2.59E-03	6.83E-06	4.29E-03	6.88E-03	2.46E-03	8.67E-06	8.24E-03	1.07E-02
1291	489885.89, 3859226.54	0.16377	0.09575	0.14395	2.51E-03	6.97E-06	3.86E-03	0.006381	2.57E-03	6.86E-06	4.29E-03	6.87E-03	2.44E-03	8.71E-06	8.25E-03	1.07E-02
1292	489935.89, 3859226.54	0.16265	0.09624	0.14403	2.50E-03	7.01E-06	3.86E-03	0.006366	2.55E-03	6.90E-06	4.30E-03	6.85E-03	2.42E-03	8.75E-06	8.25E-03	1.07E-02
1293	489985.89, 3859226.54	0.16128	0.09687	0.14439	2.47E-03	7.05E-06	3.87E-03	0.006355	2.53E-03	6.94E-06	4.31E-03	6.84E-03	2.40E-03	8.81E-06	8.27E-03	1.07E-02
1294	490035.89, 3859226.54	0.16021	0.09717	0.14415	2.46E-03	7.07E-06	3.87E-03	0.006332	2.51E-03	6.96E-06	4.30E-03	6.82E-03	2.39E-03	8.84E-06	8.26E-03	1.07E-02
1295	489735.89, 3859276.54	0.15638	0.09006	0.13567	2.40E-03	6.56E-06	3.64E-03	0.006045	2.45E-03	6.45E-06	4.05E-03	6.51E-03	2.33E-03	8.19E-06	7.77E-03	1.01E-02
1296	489785.89, 3859276.54	0.15592	0.09045	0.136	2.39E-03	6.58E-06	3.65E-03	0.006047	2.44E-03	6.48E-06	4.06E-03	6.51E-03	2.32E-03	8.23E-06	7.79E-03	1.01E-02
1297	489835.89, 3859276.54	0.15535	0.09097	0.13648	2.38E-03	6.62E-06	3.66E-03	0.006051	2.44E-03	6.52E-06	4.07E-03	6.51E-03	2.31E-03	8.27E-06	7.82E-03	1.01E-02
1298	489885.89, 3859276.54	0.15466	0.09144	0.13674	2.37E-03	6.66E-06	3.67E-03	0.006047	2.42E-03	6.55E-06	4.08E-03	6.51E-03	2.30E-03	8.32E-06	7.83E-03	1.01E-02
1299	489935.89, 3859276.54	0.15384	0.09198	0.13706	2.36E-03	6.70E-06	3.68E-03	0.006043	2.41E-03	6.59E-06	4.09E-03	6.51E-03	2.29E-03	8.37E-06	7.85E-03	1.02E-02
1300	489985.89, 3859276.54	0.15276	0.09268	0.13765	2.34E-03	6.75E-06	3.69E-03	0.006043	2.40E-03	6.64E-06	4.11E-03	6.51E-03	2.28E-03	8.43E-06	7.89E-03	1.02E-02
1301	490035.89, 3859276.54	0.15204	0.09295	0.13738	2.33E-03	6.77E-06	3.68E-03	0.006024	2.38E-03	6.66E-06	4.10E-03	6.49E-03	2.26E-03	8.45E-06	7.87E-03	1.01E-02
1302	490458.06, 3859590.74	0.1103	0.07391	0.10385	1.69E-03	5.38E-06	2.79E-03	0.004483	1.73E-03	5.30E-06	3.10E-03	4.83E-03	1.64E-03	6.72E-06	5.95E-03	7.60E-03
1303	490508.06, 3859590.74	0.11028	0.07438	0.10429	1.69E-03	5.41E-06	2.80E-03	0.004495	1.73E-03	5.33E-06	3.11E-03	4.85E-03	1.64E-03	6.77E-06	5.97E-03	7.62E-03
1304	490558.06, 3859590.74	0.11013	0.07481	0.10465	1.69E-03	5.45E-06	2.81E-03	0.004502	1.73E-03	5.36E-06	3.12E-03	4.85E-03	1.64E-03	6.80E-06	5.99E-03	7.64E-03
1305	490608.06, 3859590.74	0.10989	0.07523	0.10497	1.69E-03	5.48E-06	2.82E-03	0.004507	1.72E-03	5.39E-06	3.13E-03	4.86E-03	1.64E-03	6.84E-06	6.01E-03	7.66E-03
1306	490658.06, 3859590.74	0.10959	0.07563	0.10525	1.68E-03	5.51E-06	2.82E-03	0.00451	1.72E-03	5.42E-06	3.14E-03	4.86E-03	1.63E-03	6.88E-06	6.03E-03	7.67E-03
1307	490708.06, 3859590.74	0.10924	0.07597	0.10544	1.68E-03	5.53E-06	2.83E-03	0.00451	1.71E-03	5.44E-06	3.15E-03	4.86E-03	1.63E-03	6.91E-06	6.04E-03	7.67E-03

1308	490758.06, 3859590.74	0.10878	0.07627	0.10556	1.67E-03	5.55E-06	2.83E-03	0.004506	1.71E-03	5.46E-06	3.15E-03	4.86E-03	1.62E-03	6.94E-06	6.05E-03	7.67E-03
1309	490808.06, 3859590.74	0.1083	0.07648	0.10557	1.66E-03	5.57E-06	2.83E-03	0.004499	1.70E-03	5.48E-06	3.15E-03	4.85E-03	1.61E-03	6.96E-06	6.05E-03	7.67E-03
1310	490858.06, 3859590.74	0.10773	0.07664	0.10552	1.65E-03	5.58E-06	2.83E-03	0.004489	1.69E-03	5.49E-06	3.15E-03	4.84E-03	1.60E-03	6.97E-06	6.04E-03	7.66E-03
1311	490458.06, 3859640.74	0.10537	0.07094	0.09921	1.62E-03	5.16E-06	2.66E-03	0.004283	1.65E-03	5.08E-06	2.96E-03	4.62E-03	1.57E-03	6.45E-06	5.68E-03	7.26E-03
1312	490508.06, 3859640.74	0.10551	0.07138	0.09969	1.62E-03	5.20E-06	2.67E-03	0.004298	1.65E-03	5.11E-06	2.97E-03	4.63E-03	1.57E-03	6.49E-06	5.71E-03	7.29E-03
1313	490558.06, 3859640.74	0.1056	0.07181	0.10013	1.62E-03	5.23E-06	2.69E-03	0.004311	1.66E-03	5.15E-06	2.99E-03	4.65E-03	1.57E-03	6.53E-06	5.74E-03	7.32E-03
1314	490608.06, 3859640.74	0.10559	0.07229	0.10061	1.62E-03	5.26E-06	2.70E-03	0.004324	1.66E-03	5.18E-06	3.00E-03	4.66E-03	1.57E-03	6.58E-06	5.76E-03	7.34E-03
1315	490658.06, 3859640.74	0.10545	0.07275	0.10104	1.62E-03	5.30E-06	2.71E-03	0.004333	1.65E-03	5.21E-06	3.01E-03	4.67E-03	1.57E-03	6.62E-06	5.79E-03	7.37E-03
1316	490708.06, 3859640.74	0.10522	0.07314	0.10133	1.61E-03	5.32E-06	2.72E-03	0.004338	1.65E-03	5.24E-06	3.02E-03	4.68E-03	1.57E-03	6.65E-06	5.80E-03	7.38E-03
1317	490758.06, 3859640.74	0.10495	0.0735	0.10157	1.61E-03	5.35E-06	2.72E-03	0.00434	1.65E-03	5.27E-06	3.03E-03	4.68E-03	1.56E-03	6.69E-06	5.82E-03	7.39E-03
1318	490808.06, 3859640.74	0.10462	0.07377	0.10166	1.61E-03	5.37E-06	2.73E-03	0.004337	1.64E-03	5.29E-06	3.03E-03	4.68E-03	1.56E-03	6.71E-06	5.82E-03	7.39E-03
1319	490858.06, 3859640.74	0.10426	0.074	0.1017	1.60E-03	5.39E-06	2.73E-03	0.004333	1.63E-03	5.30E-06	3.03E-03	4.67E-03	1.55E-03	6.73E-06	5.83E-03	7.39E-03
1320	490608.06, 3859690.74	0.1013	0.06949	0.09639	1.55E-03	5.06E-06	2.59E-03	0.004145	1.59E-03	4.98E-06	2.88E-03	4.47E-03	1.51E-03	6.32E-06	5.52E-03	7.04E-03
1321	490658.06, 3859690.74	0.10137	0.06996	0.09691	1.56E-03	5.09E-06	2.60E-03	0.00416	1.59E-03	5.01E-06	2.89E-03	4.49E-03	1.51E-03	6.36E-06	5.55E-03	7.07E-03
1322	490708.06, 3859690.74	0.10129	0.07038	0.0973	1.55E-03	5.12E-06	2.61E-03	0.004169	1.59E-03	5.04E-06	2.90E-03	4.50E-03	1.51E-03	6.40E-06	5.57E-03	7.09E-03
1323	490758.06, 3859690.74	0.10114	0.07079	0.09764	1.55E-03	5.15E-06	2.62E-03	0.004176	1.59E-03	5.07E-06	2.91E-03	4.50E-03	1.51E-03	6.44E-06	5.59E-03	7.11E-03
1324	490808.06, 3859690.74	0.10095	0.07112	0.09786	1.55E-03	5.18E-06	2.62E-03	0.004179	1.58E-03	5.10E-06	2.92E-03	4.51E-03	1.50E-03	6.47E-06	5.61E-03	7.12E-03
1325	490858.06, 3859690.74	0.10075	0.07136	0.09792	1.55E-03	5.19E-06	2.63E-03	0.004177	1.58E-03	5.11E-06	2.92E-03	4.51E-03	1.50E-03	6.49E-06	5.61E-03	7.12E-03
1326	490708.06, 3859740.74	0.09739	0.0677	0.09331	1.49E-03	4.93E-06	2.50E-03	0.004002	1.53E-03	4.85E-06	2.78E-03	4.32E-03	1.45E-03	6.16E-06	5.35E-03	6.80E-03
1327	490758.06, 3859740.74	0.09737	0.06805	0.09361	1.49E-03	4.95E-06	2.51E-03	0.00401	1.53E-03	4.88E-06	2.79E-03	4.32E-03	1.45E-03	6.19E-06	5.36E-03	6.82E-03
1328	490808.06, 3859740.74	0.09731	0.06841	0.09391	1.49E-03	4.98E-06	2.52E-03	0.004017	1.53E-03	4.90E-06	2.80E-03	4.33E-03	1.45E-03	6.22E-06	5.38E-03	6.84E-03
1329	490858.06, 3859740.74	0.0972	0.06872	0.09412	1.49E-03	5.00E-06	2.52E-03	0.004021	1.52E-03	4.92E-06	2.81E-03	4.34E-03	1.45E-03	6.25E-06	5.39E-03	6.85E-03
1330	490786.56, 3859749.39	0.0967	0.06779	0.09311	1.48E-03	4.93E-06	2.50E-03	0.003986	1.52E-03	4.86E-06	2.78E-03	4.30E-03	1.44E-03	6.17E-06	5.33E-03	6.78E-03
1331	490836.56, 3859749.39	0.09663	0.06814	0.09339	1.48E-03	4.96E-06	2.50E-03	0.003993	1.52E-03	4.88E-06	2.79E-03	4.31E-03	1.44E-03	6.20E-06	5.35E-03	6.80E-03
1332	490786.56, 3859799.39	0.09294	0.06522	0.08927	1.43E-03	4.75E-06	2.39E-03	0.003825	1.46E-03	4.67E-06	2.66E-03	4.13E-03	1.38E-03	5.93E-06	5.11E-03	6.50E-03
1333	490836.56, 3859799.39	0.09303	0.06558	0.08964	1.43E-03	4.77E-06	2.40E-03	0.003837	1.46E-03	4.70E-06	2.67E-03	4.14E-03	1.39E-03	5.97E-06	5.14E-03	6.53E-03
1334	492307.84, 3854508.36	0.09188	0.10724	0.0956	1.41E-03	7.81E-06	2.56E-03	0.003982	1.44E-03	7.68E-06	2.85E-03	4.30E-03	1.37E-03	9.75E-06	5.48E-03	6.85E-03
1335	486445.7, 3854753.6	0.19032	0.40918	0.18621	2.92E-03	2.98E-05	4.99E-03	0.007945	2.98E-03	2.93E-05	5.56E-03	8.57E-03	2.84E-03	3.72E-05	1.07E-02	1.35E-02
1336	472599.75, 3877830.11	0.00336	0.00299	0.00304	5.16E-05	2.18E-07	8.15E-05	0.000133	5.27E-05	2.14E-07	9.07E-05	1.44E-04	5.01E-05	2.72E-07	1.74E-04	2.24E-04
1337	493107.48, 3866840.19	0.00954	0.00882	0.00942	1.46E-04	6.42E-07	2.53E-04	0.0004	1.50E-04	6.32E-07	2.81E-04	4.31E-04	1.42E-04	8.02E-07	5.40E-04	6.83E-04
1338	495815.8, 3861662.87	0.03357	0.02978	0.03484	5.15E-04	2.17E-06	9.34E-04	0.001452	5.26E-04	2.13E-06	1.04E-03	1.57E-03	5.00E-04	2.71E-06	2.00E-03	2.50E-03
1339	480272.33, 3841389.2	0.00099	0.00096	0.00096	1.52E-05	6.99E-08	2.57E-05	4.1E-05	1.55E-05	6.88E-08	2.86E-05	4.42E-05	1.47E-05	8.73E-08	5.50E-05	6.98E-05
1340	497005.18, 3862813.64	0.02386	0.02134	0.02482	3.66E-04	1.55E-06	6.66E-04	0.001033	3.74E-04	1.53E-06	7.40E-04	1.12E-03	3.55E-04	1.94E-06	1.42E-03	1.78E-03
1341	493677.33, 3860302.55	0.06162	0.05151	0.06328	9.46E-04	3.75E-06	1.70E-03	0.002647	9.66E-04	3.69E-06	1.89E-03	2.86E-03	9.18E-04	4.69E-06	3.62E-03	4.55E-03
1342	493727.33, 3860302.55	0.0614	0.05143	0.06308	9.42E-04	3.74E-06	1.69E-03	0.002638	9.63E-04	3.69E-06	1.88E-03	2.85E-03	9.15E-04	4.68E-06	3.61E-03	4.53E-03
1343	493777.33, 3860302.55	0.06119	0.05134	0.0629	9.39E-04	3.74E-06	1.69E-03	0.00263	9.59E-04	3.68E-06	1.88E-03	2.84E-03	9.12E-04	4.67E-06	3.60E-03	4.52E-03
1344	493827.33, 3860302.55	0.06097	0.05126	0.06271	9.36E-04	3.73E-06	1.68E-03	0.002621	9.56E-04	3.67E-06	1.87E-03	2.83E-03	9.08E-04	4.66E-06	3.59E-03	4.51E-03
1345	493877.33, 3860302.55	0.06074	0.05115	0.06249	9.32E-04	3.72E-06	1.68E-03	0.002612	9.52E-04	3.67E-06	1.86E-03	2.82E-03	9.05E-04	4.65E-06	3.58E-03	4.49E-03
1346	493927.33, 3860302.55	0.0605	0.05103	0.06227	9.28E-04	3.71E-06	1.67E-03	0.002602	9.49E-04	3.66E-06	1.86E-03	2.81E-03	9.01E-04	4.64E-06	3.57E-03	4.47E-03
1347	493977.33, 3860302.55	0.06033	0.05097	0.06212	9.26E-04	3.71E-06	1.67E-03	0.002596	9.46E-04	3.65E-06	1.85E-03	2.80E-03	8.99E-04	4.64E-06	3.56E-03	4.46E-03
1348	494027.33, 3860302.55	0.06011	0.05086	0.06193	9.22E-04	3.70E-06	1.66E-03	0.002587	9.42E-04	3.64E-06	1.85E-03	2.79E-03	8.95E-04	4.63E-06	3.55E-03	4.45E-03
1349	493677.33, 3860352.55	0.06043	0.05051	0.06205	9.27E-04	3.68E-06	1.66E-03	0.002595	9.47E-04	3.62E-06	1.85E-03	2.80E-03	9.00E-04	4.59E-06	3.55E-03	4.46E-03
1350	493727.33, 3860352.55	0.06021	0.05042	0.06184	9.24E-04	3.67E-06	1.66E-03	0.002586	9.44E-04	3.61E-06	1.84E-03	2.79E-03	8.97E-04	4.59E-06	3.54E-03	4.44E-03
1351	493777.33, 3860352.55	0.05998	0.05033	0.06164	9.20E-04	3.66E-06	1.65E-03	0.002577	9.40E-04	3.61E-06	1.84E-03	2.78E-03	8.94E-04	4.58E-06	3.53E-03	4.43E-03
1352	493827.33, 3860352.55	0.05977	0.05025	0.06145	9.17E-04	3.66E-06	1.65E-03	0.002569	9.37E-04	3.60E-06	1.83E-03	2.77E-03	8.90E-04	4.57E-06	3.52E-03	4.42E-03
1353	493877.33, 3860352.55	0.05958	0.05018	0.06128	9.14E-04	3.65E-06	1.64E-03	0.002561	9.34E-04	3.60E-06	1.83E-03	2.77E-03	8.88E-04	4.56E-06	3.51E-03	4.40E-03
1354	493927.33, 3860352.55	0.05939	0.05012	0.06114	9.11E-04	3.65E-06	1.64E-03	0.002555	9.31E-04	3.59E-06	1.82E-03	2.76E-03	8.85E-04	4.56E-06	3.50E-03	4.39E-03
1355	493977.33, 3860352.55	0.05922	0.05006	0.06099	9.09E-04	3.64E-06	1.64E-03	0.002548	9.29E-04	3.59E-06	1.82E-03	2.75E-03	8.82E-04	4.55E-06	3.49E-03	4.38E-03
1356	494027.33, 3860352.55	0.059	0.04996	0.06079	9.05E-04	3.64E-06	1.63E-03	0.002539	9.25E-04	3.58E-06	1.81E-03	2.74E-03	8.79E-04	4.54E-06	3.48E-03	4.37E-03
1357	493677.33, 3860402.55	0.0592	0.04947	0.06077	9.08E-04	3.60E-06	1.63E-03	0.002542	9.28E-04	3.54E-06	1.81E-03	2.74E-03	8.82E-04	4.50E-06	3.48E-03	4.37E-03
1358	493727.33, 3860402.55	0.05898	0.04939	0.06058	9.05E-04	3.60E-06	1.62E-03	0.002533	9.25E-04	3.54E-06	1.81E-03	2.74E-03	8.79E-04	4.49E-06	3.47E-03	4.35E-03
1359	493777.33, 3860402.55	0.05885	0.04939	0.06049	9.03E-04	3.60E-06	1.62E-03	0.002529	9.23E-04	3.54E-06	1.80E-03	2.73E-03	8.77E-04	4.49E-06	3.47E-03	4.35E-03
1360	493827.33, 3860402.55	0.05862	0.04928	0.06027	9.00E-04	3.59E-06	1.62E-03	0.00252	9.19E-04	3.53E-06	1.80E-03	2.72E-03	8.73E-04	4.48E-06	3.45E-03	4.33E-03
1361	493877.33, 3860402.55	0.05841	0.0492	0.06008	8.96E-04	3.58E-06	1.61E-03	0.002511	9.16E-04	3.53E-06	1.79E-03	2.71E-03	8.70E-04	4.48E-06	3.44E-03	4.32E-03
1362	493927.33, 3860402.55	0.05827	0.04918	0.05997	8.94E-04	3.58E-06	1.61E-03	0.002506	9.14E-04	3.52E-06	1.79E-03	2.71E-03	8.68E-04	4.47E-06	3.44E-03	4.31E-03
1363	493977.33, 3860402.55	0.05813	0.04916	0.05987	8.92E-04	3.58E-06	1.61E-03	0.002501	9.11E-04	3.52E-06	1.79E-03	2.70E-03	8.66E-04	4.47E-06	3.43E-03	4.30E-03
1364	494027.33, 3860402.55	0.05791	0.04905	0.05967	8.89E-04	3.57E-06	1.60E-03	0.002493	9.08E-04	3.51E-06	1.78E-03	2.69E-03	8.63E-04	4.46E-06	3.42E-03	4.29E-03

1365	493677.33, 3860452.55	0.05804	0.04848	0.05958	8.91E-04	3.53E-06	1.60E-03	0.002492	9.10E-04	3.47E-06	1.78E-03	2.69E-03	8.65E-04	4.41E-06	3.41E-03	4.28E-03
1366	493727.33, 3860452.55	0.05778	0.04836	0.05933	8.87E-04	3.52E-06	1.59E-03	0.002481	9.06E-04	3.47E-06	1.77E-03	2.68E-03	8.61E-04	4.40E-06	3.40E-03	4.26E-03
1367	493777.33, 3860452.55	0.05759	0.04831	0.05916	8.84E-04	3.52E-06	1.59E-03	0.002474	9.03E-04	3.46E-06	1.76E-03	2.67E-03	8.58E-04	4.39E-06	3.39E-03	4.25E-03
1368	493827.33, 3860452.55	0.05745	0.0483	0.05907	8.82E-04	3.52E-06	1.58E-03	0.002469	9.01E-04	3.46E-06	1.76E-03	2.67E-03	8.56E-04	4.39E-06	3.38E-03	4.24E-03
1369	493877.33, 3860452.55	0.05729	0.04827	0.05894	8.79E-04	3.51E-06	1.58E-03	0.002463	8.98E-04	3.46E-06	1.76E-03	2.66E-03	8.53E-04	4.39E-06	3.38E-03	4.23E-03
1370	493927.33, 3860452.55	0.0572	0.04828	0.05888	8.78E-04	3.51E-06	1.58E-03	0.00246	8.97E-04	3.46E-06	1.76E-03	2.66E-03	8.52E-04	4.39E-06	3.37E-03	4.23E-03
1371	493977.33, 3860452.55	0.05701	0.04821	0.05871	8.75E-04	3.51E-06	1.57E-03	0.002453	8.94E-04	3.45E-06	1.75E-03	2.65E-03	8.49E-04	4.39E-06	3.36E-03	4.22E-03
1372	494027.33, 3860452.55	0.05681	0.04813	0.05853	8.72E-04	3.50E-06	1.57E-03	0.002445	8.91E-04	3.45E-06	1.75E-03	2.64E-03	8.46E-04	4.38E-06	3.35E-03	4.20E-03
1373	493677.33, 3860502.55	0.0569	0.04749	0.05838	8.73E-04	3.46E-06	1.57E-03	0.002442	8.92E-04	3.40E-06	1.74E-03	2.64E-03	8.48E-04	4.32E-06	3.34E-03	4.20E-03
1374	493727.33, 3860502.55	0.05668	0.0474	0.05817	8.70E-04	3.45E-06	1.56E-03	0.002433	8.89E-04	3.40E-06	1.74E-03	2.63E-03	8.44E-04	4.31E-06	3.33E-03	4.18E-03
1375	493777.33, 3860502.55	0.0565	0.04735	0.05801	8.67E-04	3.45E-06	1.56E-03	0.002426	8.86E-04	3.39E-06	1.73E-03	2.62E-03	8.42E-04	4.31E-06	3.32E-03	4.17E-03
1376	493827.33, 3860502.55	0.05632	0.04731	0.05787	8.64E-04	3.44E-06	1.55E-03	0.00242	8.83E-04	3.39E-06	1.73E-03	2.61E-03	8.39E-04	4.30E-06	3.32E-03	4.16E-03
1377	493877.33, 3860502.55	0.05619	0.04731	0.05778	8.62E-04	3.44E-06	1.55E-03	0.002415	8.81E-04	3.39E-06	1.72E-03	2.61E-03	8.37E-04	4.30E-06	3.31E-03	4.15E-03
1378	493927.33, 3860502.55	0.05608	0.04733	0.05772	8.61E-04	3.45E-06	1.55E-03	0.002412	8.79E-04	3.39E-06	1.72E-03	2.60E-03	8.35E-04	4.31E-06	3.31E-03	4.15E-03
1379	493977.33, 3860502.55	0.05588	0.04725	0.05755	8.57E-04	3.44E-06	1.54E-03	0.002404	8.76E-04	3.39E-06	1.72E-03	2.60E-03	8.32E-04	4.30E-06	3.30E-03	4.13E-03
1380	494027.33, 3860502.55	0.0557	0.0472	0.0574	8.55E-04	3.44E-06	1.54E-03	0.002398	8.73E-04	3.38E-06	1.71E-03	2.59E-03	8.30E-04	4.29E-06	3.29E-03	4.12E-03
1381	493627.33, 3860552.55	0.05594	0.04654	0.05732	8.58E-04	3.39E-06	1.54E-03	0.002399	8.77E-04	3.33E-06	1.71E-03	2.59E-03	8.33E-04	4.23E-06	3.28E-03	4.12E-03
1382	493677.33, 3860552.55	0.05573	0.04646	0.05712	8.55E-04	3.38E-06	1.53E-03	0.002391	8.74E-04	3.33E-06	1.70E-03	2.58E-03	8.30E-04	4.23E-06	3.27E-03	4.11E-03
1383	493727.33, 3860552.55	0.05553	0.04639	0.05693	8.52E-04	3.38E-06	1.53E-03	0.002382	8.71E-04	3.32E-06	1.70E-03	2.57E-03	8.27E-04	4.22E-06	3.26E-03	4.09E-03
1384	493777.33, 3860552.55	0.05539	0.04637	0.05682	8.50E-04	3.38E-06	1.52E-03	0.002377	8.68E-04	3.32E-06	1.70E-03	2.57E-03	8.25E-04	4.22E-06	3.25E-03	4.08E-03
1385	493827.33, 3860552.55	0.05527	0.04639	0.05676	8.48E-04	3.38E-06	1.52E-03	0.002374	8.67E-04	3.32E-06	1.69E-03	2.56E-03	8.23E-04	4.22E-06	3.25E-03	4.08E-03
1386	493877.33, 3860552.55	0.05508	0.04633	0.0566	8.45E-04	3.37E-06	1.52E-03	0.002367	8.64E-04	3.32E-06	1.69E-03	2.56E-03	8.21E-04	4.21E-06	3.24E-03	4.07E-03
1387	493927.33, 3860552.55	0.05495	0.04633	0.05652	8.43E-04	3.37E-06	1.52E-03	0.002362	8.62E-04	3.32E-06	1.69E-03	2.55E-03	8.19E-04	4.21E-06	3.24E-03	4.06E-03
1388	493977.33, 3860552.55	0.05483	0.04634	0.05644	8.41E-04	3.37E-06	1.51E-03	0.002358	8.60E-04	3.32E-06	1.68E-03	2.55E-03	8.17E-04	4.22E-06	3.23E-03	4.05E-03
1389	494027.33, 3860552.55	0.05464	0.04628	0.05628	8.38E-04	3.37E-06	1.51E-03	0.002351	8.57E-04	3.32E-06	1.68E-03	2.54E-03	8.14E-04	4.21E-06	3.22E-03	4.04E-03
1390	493627.33, 3860602.55	0.05481	0.04556	0.05612	8.41E-04	3.32E-06	1.51E-03	0.00235	8.59E-04	3.26E-06	1.67E-03	2.54E-03	8.17E-04	4.14E-06	3.21E-03	4.04E-03
1391	493727.33, 3860602.55	0.05437	0.04536	0.05568	8.34E-04	3.30E-06	1.49E-03	0.002331	8.52E-04	3.25E-06	1.66E-03	2.52E-03	8.10E-04	4.13E-06	3.19E-03	4.00E-03
1392	493777.33, 3860602.55	0.0543	0.04542	0.05567	8.33E-04	3.31E-06	1.49E-03	0.00233	8.51E-04	3.25E-06	1.66E-03	2.52E-03	8.09E-04	4.13E-06	3.19E-03	4.00E-03
1393	493827.33, 3860602.55	0.05415	0.0454	0.05556	8.31E-04	3.30E-06	1.49E-03	0.002324	8.49E-04	3.25E-06	1.66E-03	2.51E-03	8.07E-04	4.13E-06	3.18E-03	3.99E-03
1394	493877.33, 3860602.55	0.05406	0.04543	0.05552	8.30E-04	3.31E-06	1.49E-03	0.002322	8.48E-04	3.26E-06	1.66E-03	2.51E-03	8.05E-04	4.13E-06	3.18E-03	3.99E-03
1395	493927.33, 3860602.55	0.05392	0.04542	0.05543	8.27E-04	3.31E-06	1.49E-03	0.002317	8.45E-04	3.25E-06	1.65E-03	2.50E-03	8.03E-04	4.13E-06	3.18E-03	3.98E-03
1396	493977.33, 3860602.55	0.05379	0.04542	0.05534	8.25E-04	3.31E-06	1.48E-03	0.002313	8.43E-04	3.25E-06	1.65E-03	2.50E-03	8.01E-04	4.13E-06	3.17E-03	3.98E-03
1397	494027.33, 3860602.55	0.05361	0.04535	0.05516	8.23E-04	3.30E-06	1.48E-03	0.002305	8.41E-04	3.25E-06	1.65E-03	2.49E-03	7.99E-04	4.13E-06	3.16E-03	3.96E-03
1398	493627.33, 3860652.55	0.05367	0.04457	0.0549	8.24E-04	3.24E-06	1.47E-03	0.002299	8.41E-04	3.19E-06	1.64E-03	2.48E-03	8.00E-04	4.05E-06	3.14E-03	3.95E-03
1399	493727.33, 3860652.55	0.05326	0.0444	0.05451	8.17E-04	3.23E-06	1.46E-03	0.002283	8.35E-04	3.18E-06	1.63E-03	2.46E-03	7.93E-04	4.04E-06	3.12E-03	3.92E-03
1400	493777.33, 3860652.55	0.05318	0.04444	0.05448	8.16E-04	3.23E-06	1.46E-03	0.00228	8.34E-04	3.18E-06	1.63E-03	2.46E-03	7.92E-04	4.04E-06	3.12E-03	3.92E-03
1401	493827.33, 3860652.55	0.05309	0.04447	0.05444	8.15E-04	3.24E-06	1.46E-03	0.002278	8.32E-04	3.19E-06	1.62E-03	2.46E-03	7.91E-04	4.05E-06	3.12E-03	3.91E-03
1402	493877.33, 3860652.55	0.05302	0.04452	0.05442	8.14E-04	3.24E-06	1.46E-03	0.002276	8.31E-04	3.19E-06	1.62E-03	2.46E-03	7.90E-04	4.05E-06	3.12E-03	3.91E-03
1403	493927.33, 3860652.55	0.05289	0.04451	0.05433	8.12E-04	3.24E-06	1.46E-03	0.002272	8.29E-04	3.19E-06	1.62E-03	2.45E-03	7.88E-04	4.05E-06	3.11E-03	3.90E-03
1404	493977.33, 3860652.55	0.05275	0.04449	0.05422	8.09E-04	3.24E-06	1.45E-03	0.002267	8.27E-04	3.19E-06	1.62E-03	2.45E-03	7.86E-04	4.05E-06	3.11E-03	3.90E-03
1405	494027.33, 3860652.55	0.05265	0.04451	0.05416	8.08E-04	3.24E-06	1.45E-03	0.002264	8.26E-04	3.19E-06	1.62E-03	2.44E-03	7.84E-04	4.05E-06	3.10E-03	3.89E-03
1406	494311.06, 3858401.99	0.05989	0.04957	0.06169	9.19E-04	3.61E-06	1.65E-03	0.002577	9.39E-04	3.55E-06	1.84E-03	2.78E-03	8.92E-04	4.51E-06	3.53E-03	4.43E-03
1407	494361.06, 3858401.99	0.05883	0.04869	0.06058	9.03E-04	3.54E-06	1.62E-03	0.002531	9.22E-04	3.49E-06	1.81E-03	2.73E-03	8.76E-04	4.43E-06	3.47E-03	4.35E-03
1408	494411.06, 3858401.99	0.0581	0.0481	0.05983	8.92E-04	3.50E-06	1.60E-03	0.0025	9.11E-04	3.45E-06	1.78E-03	2.70E-03	8.66E-04	4.38E-06	3.43E-03	4.30E-03
1409	494461.06, 3858401.99	0.05773	0.04782	0.05945	8.86E-04	3.48E-06	1.59E-03	0.002484	9.05E-04	3.43E-06	1.77E-03	2.68E-03	8.60E-04	4.35E-06	3.41E-03	4.27E-03
1410	494511.06, 3858401.99	0.05695	0.04718	0.05864	8.74E-04	3.43E-06	1.57E-03	0.00245	8.93E-04	3.38E-06	1.75E-03	2.65E-03	8.48E-04	4.29E-06	3.36E-03	4.21E-03
1411	494561.06, 3858401.99	0.05655	0.04687	0.05824	8.68E-04	3.41E-06	1.56E-03	0.002433	8.87E-04	3.36E-06	1.74E-03	2.63E-03	8.42E-04	4.26E-06	3.34E-03	4.18E-03
1412	494611.06, 3858401.99	0.05577	0.04623	0.05742	8.56E-04	3.37E-06	1.54E-03	0.002399	8.74E-04	3.31E-06	1.71E-03	2.59E-03	8.31E-04	4.21E-06	3.29E-03	4.12E-03
1413	494661.06, 3858401.99	0.05511	0.04569	0.05674	8.46E-04	3.33E-06	1.52E-03	0.002371	8.64E-04	3.27E-06	1.69E-03	2.56E-03	8.21E-04	4.16E-06	3.25E-03	4.08E-03
1414	494711.06, 3858401.99	0.05414	0.04488	0.0557	8.31E-04	3.27E-06	1.49E-03	0.002328	8.49E-04	3.22E-06	1.66E-03	2.51E-03	8.07E-04	4.08E-06	3.19E-03	4.00E-03
1415	494761.06, 3858401.99	0.05362	0.04446	0.05516	8.23E-04	3.24E-06	1.48E-03	0.002305	8.41E-04	3.19E-06	1.65E-03	2.49E-03	7.99E-04	4.04E-06	3.16E-03	3.96E-03
1416	494811.06, 3858401.99	0.05288	0.04384	0.05439	8.11E-04	3.19E-06	1.46E-03	0.002273	8.29E-04	3.14E-06	1.62E-03	2.45E-03	7.88E-04	3.99E-06	3.12E-03	3.91E-03
1417	494861.06, 3858401.99	0.05221	0.04329	0.0537	8.01E-04	3.15E-06	1.44E-03	0.002245	8.19E-04	3.10E-06	1.60E-03	2.42E-03	7.78E-04	3.94E-06	3.08E-03	3.86E-03
1418	494911.06, 3858401.99	0.05156	0.04276	0.05303	7.91E-04	3.11E-06	1.42E-03	0.002217	8.08E-04	3.06E-06	1.58E-03	2.39E-03	7.68E-04	3.89E-06	3.04E-03	3.81E-03
1419	494961.06, 3858401.99	0.05088	0.0422	0.05232	7.81E-04	3.07E-06	1.40E-03	0.002187	7.98E-04	3.02E-06	1.56E-03	2.36E-03	7.58E-04	3.84E-06	3.00E-03	3.76E-03
1420	495011.06, 3858401.99	0.05003	0.04148	0.05143	7.68E-04	3.02E-06	1.38E-03	0.00215	7.84E-04	2.97E-06	1.53E-03	2.32E-03	7.45E-04	3.77E-06	2.95E-03	3.70E-03
1421	495061.06, 3858401.99	0.04936	0.04093	0.05071	7.57E-04	2.98E-06	1.36E-03	0.00212	7.74E-04	2.93E-06	1.51E-03	2.29E-03	7.35E-04	3.72E-06	2.90E-03	3.64E-03

1422	495111.06, 3858401.99	0.04814	0.03988	0.04942	7.39E-04	2.90E-06	1.33E-03	0.002067	7.55E-04	2.86E-06	1.47E-03	2.23E-03	7.17E-04	3.63E-06	2.83E-03	3.55E-03
1423	495161.06, 3858401.99	0.04789	0.03968	0.04917	7.35E-04	2.89E-06	1.32E-03	0.002057	7.51E-04	2.84E-06	1.47E-03	2.22E-03	7.13E-04	3.61E-06	2.82E-03	3.53E-03
1424	495211.06, 3858401.99	0.04683	0.03879	0.04805	7.19E-04	2.82E-06	1.29E-03	0.00201	7.34E-04	2.78E-06	1.43E-03	2.17E-03	6.98E-04	3.53E-06	2.75E-03	3.45E-03
1425	495261.06, 3858401.99	0.04624	0.03831	0.04745	7.10E-04	2.79E-06	1.27E-03	0.001985	7.25E-04	2.74E-06	1.42E-03	2.14E-03	6.89E-04	3.48E-06	2.72E-03	3.41E-03
1426	495311.06, 3858401.99	0.04563	0.0378	0.04681	7.00E-04	2.75E-06	1.26E-03	0.001958	7.15E-04	2.71E-06	1.40E-03	2.11E-03	6.80E-04	3.44E-06	2.68E-03	3.36E-03
1427	495361.06, 3858401.99	0.04519	0.03746	0.04635	6.93E-04	2.73E-06	1.24E-03	0.001939	7.09E-04	2.68E-06	1.38E-03	2.09E-03	6.73E-04	3.41E-06	2.66E-03	3.33E-03
1428	495411.06, 3858401.99	0.04494	0.03727	0.0461	6.90E-04	2.71E-06	1.24E-03	0.001929	7.05E-04	2.67E-06	1.38E-03	2.08E-03	6.69E-04	3.39E-06	2.64E-03	3.31E-03
1429	495461.06, 3858401.99	0.04476	0.03713	0.04592	6.87E-04	2.70E-06	1.23E-03	0.001921	7.02E-04	2.66E-06	1.37E-03	2.07E-03	6.67E-04	3.38E-06	2.63E-03	3.30E-03
1430	495511.06, 3858401.99	0.04452	0.03695	0.04568	6.83E-04	2.69E-06	1.23E-03	0.001911	6.98E-04	2.65E-06	1.36E-03	2.06E-03	6.63E-04	3.36E-06	2.62E-03	3.28E-03
1431	495561.06, 3858401.99	0.04392	0.03648	0.04507	6.74E-04	2.66E-06	1.21E-03	0.001885	6.89E-04	2.61E-06	1.34E-03	2.04E-03	6.54E-04	3.32E-06	2.58E-03	3.24E-03
1432	495611.06, 3858401.99	0.04369	0.03631	0.04484	6.70E-04	2.64E-06	1.20E-03	0.001876	6.85E-04	2.60E-06	1.34E-03	2.03E-03	6.51E-04	3.30E-06	2.57E-03	3.22E-03
1433	495661.06, 3858401.99	0.04396	0.03654	0.04512	6.75E-04	2.66E-06	1.21E-03	0.001887	6.89E-04	2.62E-06	1.35E-03	2.04E-03	6.55E-04	3.32E-06	2.58E-03	3.24E-03
1434	494311.06, 3858451.99	0.06106	0.05069	0.06292	9.37E-04	3.69E-06	1.69E-03	0.002628	9.57E-04	3.63E-06	1.88E-03	2.84E-03	9.10E-04	4.61E-06	3.60E-03	4.52E-03
1435	494361.06, 3858451.99	0.06019	0.04997	0.062	9.24E-04	3.64E-06	1.66E-03	0.00259	9.44E-04	3.58E-06	1.85E-03	2.80E-03	8.97E-04	4.55E-06	3.55E-03	4.45E-03
1436	494411.06, 3858451.99	0.05944	0.04937	0.06123	9.12E-04	3.59E-06	1.64E-03	0.002558	9.32E-04	3.54E-06	1.83E-03	2.76E-03	8.85E-04	4.49E-06	3.51E-03	4.40E-03
1437	494461.06, 3858451.99	0.05879	0.04884	0.06055	9.02E-04	3.56E-06	1.62E-03	0.00253	9.22E-04	3.50E-06	1.81E-03	2.73E-03	8.76E-04	4.44E-06	3.47E-03	4.35E-03
1438	494511.06, 3858451.99	0.05837	0.04852	0.06013	8.96E-04	3.53E-06	1.61E-03	0.002512	9.15E-04	3.48E-06	1.79E-03	2.71E-03	8.70E-04	4.41E-06	3.44E-03	4.32E-03
1439	494561.06, 3858451.99	0.05755	0.04784	0.05927	8.83E-04	3.48E-06	1.59E-03	0.002476	9.02E-04	3.43E-06	1.77E-03	2.67E-03	8.57E-04	4.35E-06	3.40E-03	4.26E-03
1440	494611.06, 3858451.99	0.05693	0.04734	0.05863	8.74E-04	3.45E-06	1.57E-03	0.00245	8.93E-04	3.39E-06	1.75E-03	2.65E-03	8.48E-04	4.31E-06	3.36E-03	4.21E-03
1441	494661.06, 3858451.99	0.05626	0.04679	0.05793	8.63E-04	3.41E-06	1.55E-03	0.00242	8.82E-04	3.35E-06	1.73E-03	2.61E-03	8.38E-04	4.26E-06	3.32E-03	4.16E-03
1442	494711.06, 3858451.99	0.05541	0.04608	0.05705	8.50E-04	3.35E-06	1.53E-03	0.002384	8.69E-04	3.30E-06	1.70E-03	2.57E-03	8.25E-04	4.19E-06	3.27E-03	4.10E-03
1443	494761.06, 3858451.99	0.05456	0.04537	0.05618	8.37E-04	3.30E-06	1.51E-03	0.002347	8.55E-04	3.25E-06	1.68E-03	2.53E-03	8.13E-04	4.13E-06	3.22E-03	4.04E-03
1444	494811.06, 3858451.99	0.05387	0.0448	0.05545	8.27E-04	3.26E-06	1.49E-03	0.002317	8.45E-04	3.21E-06	1.65E-03	2.50E-03	8.03E-04	4.08E-06	3.18E-03	3.98E-03
1445	494861.06, 3858451.99	0.0531	0.04417	0.05465	8.15E-04	3.22E-06	1.47E-03	0.002284	8.33E-04	3.16E-06	1.63E-03	2.47E-03	7.91E-04	4.02E-06	3.13E-03	3.93E-03
1446	494911.06, 3858451.99	0.05216	0.04338	0.05366	8.00E-04	3.16E-06	1.44E-03	0.002243	8.18E-04	3.11E-06	1.60E-03	2.42E-03	7.77E-04	3.95E-06	3.07E-03	3.85E-03
1447	494961.06, 3858451.99	0.05138	0.04272	0.05283	7.88E-04	3.11E-06	1.42E-03	0.002208	8.06E-04	3.06E-06	1.58E-03	2.38E-03	7.65E-04	3.89E-06	3.03E-03	3.80E-03
1448	495011.06, 3858451.99	0.05047	0.04196	0.05188	7.74E-04	3.05E-06	1.39E-03	0.002169	7.91E-04	3.01E-06	1.55E-03	2.34E-03	7.52E-04	3.82E-06	2.97E-03	3.73E-03
1449	495061.06, 3858451.99	0.05003	0.0416	0.05143	7.68E-04	3.03E-06	1.38E-03	0.00215	7.84E-04	2.98E-06	1.53E-03	2.32E-03	7.45E-04	3.78E-06	2.95E-03	3.70E-03
1450	495111.06, 3858451.99	0.04916	0.04086	0.05051	7.54E-04	2.97E-06	1.35E-03	0.002112	7.71E-04	2.93E-06	1.51E-03	2.28E-03	7.32E-04	3.72E-06	2.89E-03	3.63E-03
1451	495161.06, 3858451.99	0.04818	0.04004	0.04947	7.39E-04	2.91E-06	1.33E-03	0.002069	7.55E-04	2.87E-06	1.48E-03	2.23E-03	7.18E-04	3.64E-06	2.83E-03	3.56E-03
1452	495211.06, 3858451.99	0.04731	0.03928	0.04856	7.26E-04	2.86E-06	1.30E-03	0.002031	7.42E-04	2.81E-06	1.45E-03	2.19E-03	7.05E-04	3.57E-06	2.78E-03	3.49E-03
1453	495261.06, 3858451.99	0.04673	0.03881	0.04796	7.17E-04	2.83E-06	1.29E-03	0.002006	7.33E-04	2.78E-06	1.43E-03	2.17E-03	6.96E-04	3.53E-06	2.75E-03	3.45E-03
1454	495311.06, 3858451.99	0.04626	0.03841	0.04746	7.10E-04	2.80E-06	1.27E-03	0.001986	7.25E-04	2.75E-06	1.42E-03	2.14E-03	6.89E-04	3.49E-06	2.72E-03	3.41E-03
1455	495361.06, 3858451.99	0.04585	0.03808	0.04704	7.04E-04	2.77E-06	1.26E-03	0.001968	7.19E-04	2.73E-06	1.40E-03	2.12E-03	6.83E-04	3.46E-06	2.69E-03	3.38E-03
1456	495411.06, 3858451.99	0.04564	0.03792	0.04684	7.00E-04	2.76E-06	1.26E-03	0.001959	7.16E-04	2.72E-06	1.40E-03	2.12E-03	6.80E-04	3.45E-06	2.68E-03	3.37E-03
1457	495461.06, 3858451.99	0.04548	0.0378	0.04668	6.98E-04	2.75E-06	1.25E-03	0.001953	7.13E-04	2.71E-06	1.39E-03	2.11E-03	6.78E-04	3.44E-06	2.67E-03	3.36E-03
1458	495511.06, 3858451.99	0.04501	0.03742	0.0462	6.91E-04	2.72E-06	1.24E-03	0.001933	7.06E-04	2.68E-06	1.38E-03	2.09E-03	6.71E-04	3.40E-06	2.65E-03	3.32E-03
1459	495561.06, 3858451.99	0.04503	0.03745	0.04623	6.91E-04	2.73E-06	1.24E-03	0.001934	7.06E-04	2.68E-06	1.38E-03	2.09E-03	6.71E-04	3.41E-06	2.65E-03	3.32E-03
1460	495611.06, 3858451.99	0.04447	0.03699	0.04564	6.82E-04	2.69E-06	1.22E-03	0.001909	6.97E-04	2.65E-06	1.36E-03	2.06E-03	6.62E-04	3.36E-06	2.61E-03	3.28E-03
1461	495661.06, 3858451.99	0.04437	0.03693	0.04555	6.81E-04	2.69E-06	1.22E-03	0.001905	6.96E-04	2.65E-06	1.36E-03	2.06E-03	6.61E-04	3.36E-06	2.61E-03	3.27E-03
1462	494311.06, 3858501.99	0.06124	0.05095	0.06308	9.40E-04	3.71E-06	1.69E-03	0.002635	9.60E-04	3.65E-06	1.88E-03	2.85E-03	9.12E-04	4.63E-06	3.61E-03	4.53E-03
1463	494361.06, 3858501.99	0.06064	0.05048	0.06247	9.31E-04	3.67E-06	1.68E-03	0.00261	9.51E-04	3.62E-06	1.86E-03	2.82E-03	9.03E-04	4.59E-06	3.58E-03	4.49E-03
1464	494411.06, 3858501.99	0.05996	0.04994	0.06176	9.20E-04	3.64E-06	1.66E-03	0.00258	9.40E-04	3.58E-06	1.84E-03	2.79E-03	8.93E-04	4.54E-06	3.54E-03	4.44E-03
1465	494461.06, 3858501.99	0.05951	0.04959	0.06131	9.13E-04	3.61E-06	1.64E-03	0.002561	9.33E-04	3.55E-06	1.83E-03	2.77E-03	8.87E-04	4.51E-06	3.51E-03	4.40E-03
1466	494511.06, 3858501.99	0.05862	0.04886	0.06038	9.00E-04	3.56E-06	1.62E-03	0.002523	9.19E-04	3.50E-06	1.80E-03	2.72E-03	8.73E-04	4.44E-06	3.46E-03	4.34E-03
1467	494561.06, 3858501.99	0.05863	0.0489	0.0604	9.00E-04	3.56E-06	1.62E-03	0.002523	9.19E-04	3.50E-06	1.80E-03	2.72E-03	8.73E-04	4.45E-06	3.46E-03	4.34E-03
1468	494611.06, 3858501.99	0.05786	0.04827	0.0596	8.88E-04	3.51E-06	1.60E-03	0.00249	9.07E-04	3.46E-06	1.78E-03	2.69E-03	8.62E-04	4.39E-06	3.41E-03	4.28E-03
1469	494661.06, 3858501.99	0.05735	0.04786	0.05907	8.80E-04	3.48E-06	1.58E-03	0.002468	8.99E-04	3.43E-06	1.76E-03	2.66E-03	8.54E-04	4.35E-06	3.38E-03	4.24E-03
1470	494711.06, 3858501.99	0.05648	0.04713	0.05816	8.67E-04	3.43E-06	1.56E-03	0.00243	8.86E-04	3.38E-06	1.74E-03	2.62E-03	8.41E-04	4.29E-06	3.33E-03	4.18E-03
1471	494761.06, 3858501.99	0.0555	0.04631	0.05714	8.52E-04	3.37E-06	1.53E-03	0.002388	8.70E-04	3.32E-06	1.70E-03	2.58E-03	8.27E-04	4.21E-06	3.27E-03	4.10E-03
1472	494811.06, 3858501.99	0.0546	0.04556	0.0562	8.38E-04	3.32E-06	1.51E-03	0.002348	8.56E-04	3.26E-06	1.68E-03	2.54E-03	8.13E-04	4.14E-06	3.22E-03	4.04E-03
1473	494861.06, 3858501.99	0.05396	0.04503	0.05555	8.28E-04	3.28E-06	1.49E-03	0.002321	8.46E-04	3.23E-06	1.66E-03	2.51E-03	8.04E-04	4.10E-06	3.18E-03	3.99E-03
1474	494911.06, 3858501.99	0.05276	0.04401	0.05428	8.10E-04	3.20E-06	1.46E-03	0.002269	8.27E-04	3.15E-06	1.62E-03	2.45E-03	7.86E-04	4.00E-06	3.11E-03	3.90E-03
1475	494961.06, 3858501.99	0.05213	0.04348	0.05363	8.00E-04	3.16E-06	1.44E-03	0.002241	8.17E-04	3.12E-06	1.60E-03	2.42E-03	7.77E-04	3.96E-06	3.07E-03	3.85E-03
1476	495011.06, 3858501.99	0.0511	0.04262	0.05254	7.84E-04	3.10E-06	1.41E-03	0.002196	8.01E-04	3.05E-06	1.57E-03	2.37E-03	7.61E-04	3.88E-06	3.01E-03	3.77E-03
1477	495061.06, 3858501.99	0.05065	0.04224	0.05207	7.77E-04	3.07E-06	1.40E-03	0.002177	7.94E-04	3.03E-06	1.55E-03	2.35E-03	7.55E-04	3.84E-06	2.98E-03	3.74E-03
1478	495111.06, 3858501.99	0.0494	0.04118	0.05076	7.58E-04	3.00E-06	1.36E-03	0.002122	7.75E-04	2.95E-06	1.51E-03	2.29E-03	7.36E-04	3.75E-06	2.91E-03	3.65E-03

1479	495161.06, 3858501.99	0.04859	0.0405	0.04992	7.46E-04	2.95E-06	1.34E-03	0.002087	7.62E-04	2.90E-06	1.49E-03	2.25E-03	7.24E-04	3.68E-06	2.86E-03	3.59E-03
1480	495211.06, 3858501.99	0.04781	0.03984	0.0491	7.34E-04	2.90E-06	1.32E-03	0.002053	7.50E-04	2.85E-06	1.46E-03	2.22E-03	7.12E-04	3.62E-06	2.81E-03	3.53E-03
1481	495261.06, 3858501.99	0.04725	0.03937	0.0485	7.25E-04	2.87E-06	1.30E-03	0.002029	7.41E-04	2.82E-06	1.45E-03	2.19E-03	7.04E-04	3.58E-06	2.78E-03	3.49E-03
1482	495311.06, 3858501.99	0.04691	0.03909	0.04815	7.20E-04	2.85E-06	1.29E-03	0.002014	7.36E-04	2.80E-06	1.44E-03	2.17E-03	6.99E-04	3.56E-06	2.76E-03	3.46E-03
1483	495361.06, 3858501.99	0.04658	0.03881	0.04782	7.15E-04	2.83E-06	1.28E-03	0.002	7.30E-04	2.78E-06	1.43E-03	2.16E-03	6.94E-04	3.53E-06	2.74E-03	3.44E-03
1484	495411.06, 3858501.99	0.04636	0.03863	0.0476	7.11E-04	2.81E-06	1.28E-03	0.001991	7.27E-04	2.77E-06	1.42E-03	2.15E-03	6.91E-04	3.51E-06	2.73E-03	3.42E-03
1485	495461.06, 3858501.99	0.04614	0.03846	0.04738	7.08E-04	2.80E-06	1.27E-03	0.001982	7.23E-04	2.76E-06	1.41E-03	2.14E-03	6.87E-04	3.50E-06	2.71E-03	3.41E-03
1486	495511.06, 3858501.99	0.04582	0.0382	0.04706	7.03E-04	2.78E-06	1.26E-03	0.001968	7.18E-04	2.74E-06	1.40E-03	2.13E-03	6.83E-04	3.47E-06	2.70E-03	3.38E-03
1487	495561.06, 3858501.99	0.04582	0.03821	0.04707	7.03E-04	2.78E-06	1.26E-03	0.001968	7.18E-04	2.74E-06	1.40E-03	2.13E-03	6.83E-04	3.48E-06	2.70E-03	3.38E-03
1488	495611.06, 3858501.99	0.04524	0.03776	0.04648	6.94E-04	2.75E-06	1.25E-03	0.001944	7.09E-04	2.71E-06	1.39E-03	2.10E-03	6.74E-04	3.43E-06	2.66E-03	3.34E-03
1489	495661.06, 3858501.99	0.04523	0.03774	0.04647	6.94E-04	2.75E-06	1.25E-03	0.001943	7.09E-04	2.70E-06	1.39E-03	2.10E-03	6.74E-04	3.43E-06	2.66E-03	3.34E-03
1490	494311.06, 3858551.99	0.06015	0.05015	0.06194	9.23E-04	3.65E-06	1.66E-03	0.002588	9.43E-04	3.59E-06	1.85E-03	2.79E-03	8.96E-04	4.56E-06	3.55E-03	4.45E-03
1491	494361.06, 3858551.99	0.06043	0.05045	0.06232	9.27E-04	3.67E-06	1.67E-03	0.002602	9.47E-04	3.61E-06	1.86E-03	2.81E-03	9.00E-04	4.59E-06	3.57E-03	4.47E-03
1492	494411.06, 3858551.99	0.06083	0.05084	0.06273	9.33E-04	3.70E-06	1.68E-03	0.00262	9.54E-04	3.64E-06	1.87E-03	2.83E-03	9.06E-04	4.62E-06	3.59E-03	4.50E-03
1493	494461.06, 3858551.99	0.0606	0.05069	0.06251	9.30E-04	3.69E-06	1.68E-03	0.00261	9.50E-04	3.63E-06	1.86E-03	2.82E-03	9.03E-04	4.61E-06	3.58E-03	4.49E-03
1494	494511.06, 3858551.99	0.06008	0.05028	0.06197	9.22E-04	3.66E-06	1.66E-03	0.002588	9.42E-04	3.60E-06	1.85E-03	2.79E-03	8.95E-04	4.57E-06	3.55E-03	4.45E-03
1495	494561.06, 3858551.99	0.05964	0.04994	0.06148	9.15E-04	3.64E-06	1.65E-03	0.002568	9.35E-04	3.58E-06	1.83E-03	2.77E-03	8.88E-04	4.54E-06	3.52E-03	4.41E-03
1496	494611.06, 3858551.99	0.05902	0.04941	0.06083	9.06E-04	3.60E-06	1.63E-03	0.002541	9.25E-04	3.54E-06	1.81E-03	2.74E-03	8.79E-04	4.49E-06	3.48E-03	4.37E-03
1497	494661.06, 3858551.99	0.05846	0.04897	0.06025	8.97E-04	3.56E-06	1.62E-03	0.002517	9.17E-04	3.51E-06	1.80E-03	2.72E-03	8.71E-04	4.45E-06	3.45E-03	4.33E-03
1498	494711.06, 3858551.99	0.05749	0.04814	0.05923	8.82E-04	3.50E-06	1.59E-03	0.002474	9.01E-04	3.45E-06	1.77E-03	2.67E-03	8.56E-04	4.38E-06	3.39E-03	4.25E-03
1499	494761.06, 3858551.99	0.05652	0.04734	0.05822	8.67E-04	3.45E-06	1.56E-03	0.002432	8.86E-04	3.39E-06	1.74E-03	2.63E-03	8.42E-04	4.31E-06	3.34E-03	4.18E-03
1500	494811.06, 3858551.99	0.05577	0.04671	0.05744	8.56E-04	3.40E-06	1.54E-03	0.0024	8.74E-04	3.35E-06	1.71E-03	2.59E-03	8.31E-04	4.25E-06	3.29E-03	4.13E-03
1501	494861.06, 3858551.99	0.05482	0.04591	0.05644	8.41E-04	3.34E-06	1.51E-03	0.002358	8.60E-04	3.29E-06	1.68E-03	2.55E-03	8.17E-04	4.18E-06	3.23E-03	4.05E-03
1502	494911.06, 3858551.99	0.05375	0.045	0.05532	8.25E-04	3.28E-06	1.48E-03	0.002312	8.43E-04	3.22E-06	1.65E-03	2.50E-03	8.01E-04	4.09E-06	3.17E-03	3.97E-03
1503	494961.06, 3858551.99	0.05289	0.04428	0.05443	8.12E-04	3.22E-06	1.46E-03	0.002275	8.29E-04	3.17E-06	1.62E-03	2.46E-03	7.88E-04	4.03E-06	3.12E-03	3.91E-03
1504	495011.06, 3858551.99	0.05181	0.04336	0.0533	7.95E-04	3.16E-06	1.43E-03	0.002228	8.12E-04	3.11E-06	1.59E-03	2.41E-03	7.72E-04	3.94E-06	3.05E-03	3.83E-03
1505	495061.06, 3858551.99	0.05115	0.04281	0.05262	7.85E-04	3.12E-06	1.41E-03	0.002199	8.02E-04	3.07E-06	1.57E-03	2.37E-03	7.62E-04	3.89E-06	3.01E-03	3.78E-03
1506	495111.06, 3858551.99	0.0499	0.04174	0.05128	7.66E-04	3.04E-06	1.38E-03	0.002144	7.82E-04	2.99E-06	1.53E-03	2.32E-03	7.43E-04	3.80E-06	2.94E-03	3.68E-03
1507	495161.06, 3858551.99	0.04908	0.04105	0.05043	7.53E-04	2.99E-06	1.35E-03	0.002109	7.70E-04	2.94E-06	1.50E-03	2.28E-03	7.31E-04	3.73E-06	2.89E-03	3.62E-03
1508	495211.06, 3858551.99	0.04836	0.04044	0.04968	7.42E-04	2.94E-06	1.33E-03	0.002077	7.58E-04	2.90E-06	1.48E-03	2.24E-03	7.20E-04	3.68E-06	2.85E-03	3.57E-03
1509	495261.06, 3858551.99	0.04786	0.04002	0.04916	7.34E-04	2.91E-06	1.32E-03	0.002056	7.50E-04	2.87E-06	1.47E-03	2.22E-03	7.13E-04	3.64E-06	2.82E-03	3.53E-03
1510	495311.06, 3858551.99	0.04759	0.0398	0.04889	7.30E-04	2.90E-06	1.31E-03	0.002044	7.46E-04	2.85E-06	1.46E-03	2.21E-03	7.09E-04	3.62E-06	2.80E-03	3.51E-03
1511	495361.06, 3858551.99	0.04727	0.03954	0.04856	7.25E-04	2.88E-06	1.30E-03	0.002031	7.41E-04	2.83E-06	1.45E-03	2.19E-03	7.04E-04	3.60E-06	2.78E-03	3.49E-03
1512	495411.06, 3858551.99	0.04711	0.03941	0.04841	7.23E-04	2.87E-06	1.30E-03	0.002024	7.39E-04	2.82E-06	1.44E-03	2.19E-03	7.02E-04	3.58E-06	2.77E-03	3.48E-03
1513	495461.06, 3858551.99	0.04684	0.0392	0.04814	7.19E-04	2.85E-06	1.29E-03	0.002013	7.34E-04	2.81E-06	1.44E-03	2.17E-03	6.98E-04	3.57E-06	2.76E-03	3.46E-03
1514	495511.06, 3858551.99	0.0467	0.03909	0.04801	7.17E-04	2.85E-06	1.29E-03	0.002007	7.32E-04	2.80E-06	1.43E-03	2.17E-03	6.96E-04	3.56E-06	2.75E-03	3.45E-03
1515	495561.06, 3858551.99	0.04644	0.03888	0.04774	7.13E-04	2.83E-06	1.28E-03	0.001996	7.28E-04	2.79E-06	1.42E-03	2.16E-03	6.92E-04	3.54E-06	2.73E-03	3.43E-03
1516	495611.06, 3858551.99	0.04612	0.03861	0.04741	7.08E-04	2.81E-06	1.27E-03	0.001982	7.23E-04	2.77E-06	1.41E-03	2.14E-03	6.87E-04	3.51E-06	2.72E-03	3.41E-03
1517	495661.06, 3858551.99	0.04576	0.03831	0.04704	7.02E-04	2.79E-06	1.26E-03	0.001967	7.17E-04	2.74E-06	1.40E-03	2.12E-03	6.82E-04	3.48E-06	2.69E-03	3.38E-03
1518	494311.06, 3858601.99	0.05746	0.04782	0.05903	8.82E-04	3.48E-06	1.58E-03	0.002468	9.01E-04	3.43E-06	1.76E-03	2.67E-03	8.56E-04	4.35E-06	3.38E-03	4.24E-03
1519	494361.06, 3858601.99	0.06	0.05016	0.06184	9.21E-04	3.65E-06	1.66E-03	0.002583	9.41E-04	3.59E-06	1.84E-03	2.79E-03	8.94E-04	4.56E-06	3.54E-03	4.44E-03
1520	494411.06, 3858601.99	0.06205	0.05202	0.06404	9.52E-04	3.79E-06	1.72E-03	0.002674	9.73E-04	3.73E-06	1.91E-03	2.89E-03	9.24E-04	4.73E-06	3.67E-03	4.60E-03
1521	494461.06, 3858601.99	0.06178	0.05185	0.06378	9.48E-04	3.77E-06	1.71E-03	0.002662	9.69E-04	3.72E-06	1.90E-03	2.88E-03	9.20E-04	4.72E-06	3.65E-03	4.58E-03
1522	494511.06, 3858601.99	0.06093	0.05117	0.06291	9.35E-04	3.72E-06	1.69E-03	0.002626	9.55E-04	3.67E-06	1.88E-03	2.84E-03	9.08E-04	4.65E-06	3.60E-03	4.52E-03
1523	494561.06, 3858601.99	0.06094	0.05121	0.06292	9.35E-04	3.73E-06	1.69E-03	0.002626	9.55E-04	3.67E-06	1.88E-03	2.84E-03	9.08E-04	4.66E-06	3.60E-03	4.52E-03
1524	494611.06, 3858601.99	0.0601	0.05052	0.06204	9.22E-04	3.68E-06	1.66E-03	0.00259	9.42E-04	3.62E-06	1.85E-03	2.80E-03	8.95E-04	4.60E-06	3.55E-03	4.45E-03
1525	494661.06, 3858601.99	0.05948	0.05002	0.06139	9.13E-04	3.64E-06	1.65E-03	0.002563	9.33E-04	3.58E-06	1.83E-03	2.77E-03	8.86E-04	4.55E-06	3.52E-03	4.41E-03
1526	494711.06, 3858601.99	0.05855	0.04924	0.06042	8.98E-04	3.58E-06	1.62E-03	0.002523	9.18E-04	3.53E-06	1.80E-03	2.72E-03	8.72E-04	4.48E-06	3.46E-03	4.34E-03
1527	494761.06, 3858601.99	0.05764	0.04847	0.05941	8.84E-04	3.53E-06	1.59E-03	0.002481	9.04E-04	3.47E-06	1.77E-03	2.68E-03	8.59E-04	4.41E-06	3.40E-03	4.27E-03
1528	494811.06, 3858601.99	0.05631	0.04731	0.058	8.64E-04	3.44E-06	1.56E-03	0.002423	8.83E-04	3.39E-06	1.73E-03	2.62E-03	8.39E-04	4.30E-06	3.32E-03	4.17E-03
1529	494861.06, 3858601.99	0.05558	0.0467	0.05724	8.53E-04	3.40E-06	1.54E-03	0.002391	8.71E-04	3.35E-06	1.71E-03	2.58E-03	8.28E-04	4.25E-06	3.28E-03	4.11E-03
1530	494911.06, 3858601.99	0.05435	0.04566	0.05595	8.34E-04	3.32E-06	1.50E-03	0.002338	8.52E-04	3.27E-06	1.67E-03	2.52E-03	8.10E-04	4.15E-06	3.21E-03	4.02E-03
1531	494961.06, 3858601.99	0.05349	0.04493	0.05505	8.21E-04	3.27E-06	1.48E-03	0.002301	8.39E-04	3.22E-06	1.64E-03	2.48E-03	7.97E-04	4.09E-06	3.15E-03	3.95E-03
1532	495011.06, 3858601.99	0.05259	0.04417	0.05411	8.07E-04	3.22E-06	1.45E-03	0.002261	8.25E-04	3.16E-06	1.61E-03	2.44E-03	7.83E-04	4.02E-06	3.10E-03	3.89E-03
1533	495061.06, 3858601.99	0.05166	0.04338	0.05314	7.93E-04	3.16E-06	1.43E-03	0.002221	8.10E-04	3.11E-06	1.59E-03	2.40E-03	7.70E-04	3.95E-06	3.04E-03	3.82E-03
1534	495111.06, 3858601.99	0.05031	0.04223	0.05173	7.72E-04	3.07E-06	1.39E-03	0.002163	7.89E-04	3.03E-06	1.54E-03	2.34E-03	7.49E-04	3.84E-06	2.96E-03	3.72E-03
1535	495161.06, 3858601.99	0.04959	0.04162	0.05095	7.61E-04	3.03E-06	1.37E-03	0.002131	7.78E-04	2.98E-06	1.52E-03	2.30E-03	7.39E-04	3.79E-06	2.92E-03	3.66E-03

1536	495211.06, 3858601.99	0.0491	0.04122	0.05046	7.53E-04	3.00E-06	1.35E-03	0.00211	7.70E-04	2.95E-06	1.51E-03	2.28E-03	7.31E-04	3.75E-06	2.89E-03	3.63E-03
1537	495261.06, 3858601.99	0.04856	0.04076	0.04989	7.45E-04	2.97E-06	1.34E-03	0.002086	7.61E-04	2.92E-06	1.49E-03	2.25E-03	7.23E-04	3.71E-06	2.86E-03	3.59E-03
1538	495311.06, 3858601.99	0.04815	0.04042	0.04948	7.39E-04	2.94E-06	1.33E-03	0.002069	7.55E-04	2.90E-06	1.48E-03	2.23E-03	7.17E-04	3.68E-06	2.83E-03	3.56E-03
1539	495361.06, 3858601.99	0.04791	0.04023	0.04924	7.35E-04	2.93E-06	1.32E-03	0.002059	7.51E-04	2.88E-06	1.47E-03	2.22E-03	7.14E-04	3.66E-06	2.82E-03	3.54E-03
1540	495411.06, 3858601.99	0.04767	0.04003	0.049	7.32E-04	2.91E-06	1.31E-03	0.002049	7.47E-04	2.87E-06	1.46E-03	2.21E-03	7.10E-04	3.64E-06	2.81E-03	3.52E-03
1541	495461.06, 3858601.99	0.04748	0.03988	0.04881	7.29E-04	2.90E-06	1.31E-03	0.002041	7.44E-04	2.86E-06	1.46E-03	2.20E-03	7.07E-04	3.63E-06	2.80E-03	3.51E-03
1542	495511.06, 3858601.99	0.04706	0.03953	0.04838	7.22E-04	2.88E-06	1.30E-03	0.002023	7.38E-04	2.83E-06	1.44E-03	2.18E-03	7.01E-04	3.60E-06	2.77E-03	3.48E-03
1543	495561.06, 3858601.99	0.04697	0.03946	0.0483	7.21E-04	2.87E-06	1.30E-03	0.002019	7.36E-04	2.83E-06	1.44E-03	2.18E-03	7.00E-04	3.59E-06	2.77E-03	3.47E-03
1544	495611.06, 3858601.99	0.04648	0.03905	0.0478	7.13E-04	2.84E-06	1.28E-03	0.001998	7.29E-04	2.80E-06	1.43E-03	2.16E-03	6.92E-04	3.55E-06	2.74E-03	3.43E-03
1545	495661.06, 3858601.99	0.04633	0.03893	0.04765	7.11E-04	2.83E-06	1.28E-03	0.001992	7.26E-04	2.79E-06	1.42E-03	2.15E-03	6.90E-04	3.54E-06	2.73E-03	3.42E-03
1546	494311.06, 3858651.99	0.05689	0.04737	0.05841	8.73E-04	3.45E-06	1.57E-03	0.002443	8.92E-04	3.39E-06	1.74E-03	2.64E-03	8.47E-04	4.31E-06	3.35E-03	4.20E-03
1547	494361.06, 3858651.99	0.05936	0.04966	0.06116	9.11E-04	3.61E-06	1.64E-03	0.002555	9.31E-04	3.56E-06	1.82E-03	2.76E-03	8.84E-04	4.52E-06	3.50E-03	4.39E-03
1548	494411.06, 3858651.99	0.06238	0.05242	0.06446	9.57E-04	3.82E-06	1.73E-03	0.00269	9.78E-04	3.76E-06	1.92E-03	2.90E-03	9.29E-04	4.77E-06	3.69E-03	4.63E-03
1549	494461.06, 3858651.99	0.06272	0.05276	0.0648	9.62E-04	3.84E-06	1.74E-03	0.002704	9.83E-04	3.78E-06	1.93E-03	2.92E-03	9.34E-04	4.80E-06	3.71E-03	4.65E-03
1550	494511.06, 3858651.99	0.06218	0.05235	0.06425	9.54E-04	3.81E-06	1.72E-03	0.002681	9.75E-04	3.75E-06	1.92E-03	2.90E-03	9.26E-04	4.76E-06	3.68E-03	4.61E-03
1551	494561.06, 3858651.99	0.06181	0.05209	0.06388	9.48E-04	3.79E-06	1.71E-03	0.002666	9.69E-04	3.73E-06	1.91E-03	2.88E-03	9.21E-04	4.74E-06	3.66E-03	4.58E-03
1552	494611.06, 3858651.99	0.06129	0.05169	0.06334	9.41E-04	3.76E-06	1.70E-03	0.002643	9.61E-04	3.70E-06	1.89E-03	2.85E-03	9.13E-04	4.70E-06	3.63E-03	4.55E-03
1553	494661.06, 3858651.99	0.06051	0.05104	0.06251	9.29E-04	3.72E-06	1.68E-03	0.002609	9.49E-04	3.66E-06	1.86E-03	2.82E-03	9.01E-04	4.64E-06	3.58E-03	4.49E-03
1554	494711.06, 3858651.99	0.05945	0.05015	0.06139	9.12E-04	3.65E-06	1.65E-03	0.002562	9.32E-04	3.59E-06	1.83E-03	2.77E-03	8.86E-04	4.56E-06	3.52E-03	4.41E-03
1555	494761.06, 3858651.99	0.05861	0.04946	0.06051	8.99E-04	3.60E-06	1.62E-03	0.002526	9.19E-04	3.54E-06	1.81E-03	2.73E-03	8.73E-04	4.50E-06	3.47E-03	4.34E-03
1556	494811.06, 3858651.99	0.05741	0.04844	0.05924	8.81E-04	3.53E-06	1.59E-03	0.002473	9.00E-04	3.47E-06	1.77E-03	2.67E-03	8.55E-04	4.41E-06	3.39E-03	4.25E-03
1557	494861.06, 3858651.99	0.05632	0.04751	0.05803	8.64E-04	3.46E-06	1.56E-03	0.002424	8.83E-04	3.40E-06	1.73E-03	2.62E-03	8.39E-04	4.32E-06	3.32E-03	4.17E-03
1558	494911.06, 3858651.99	0.05512	0.04645	0.05676	8.46E-04	3.38E-06	1.52E-03	0.002372	8.64E-04	3.33E-06	1.69E-03	2.56E-03	8.21E-04	4.23E-06	3.25E-03	4.08E-03
1559	494961.06, 3858651.99	0.05403	0.04553	0.05563	8.29E-04	3.31E-06	1.49E-03	0.002324	8.47E-04	3.26E-06	1.66E-03	2.51E-03	8.05E-04	4.14E-06	3.19E-03	4.00E-03
1560	495011.06, 3858651.99	0.05319	0.04483	0.05475	8.16E-04	3.26E-06	1.47E-03	0.002288	8.34E-04	3.21E-06	1.63E-03	2.47E-03	7.92E-04	4.08E-06	3.14E-03	3.93E-03
1561	495061.06, 3858651.99	0.05225	0.04403	0.05376	8.02E-04	3.21E-06	1.44E-03	0.002247	8.19E-04	3.15E-06	1.60E-03	2.43E-03	7.78E-04	4.01E-06	3.08E-03	3.86E-03
1562	495111.06, 3858651.99	0.05115	0.04309	0.05261	7.85E-04	3.14E-06	1.41E-03	0.002199	8.02E-04	3.09E-06	1.57E-03	2.37E-03	7.62E-04	3.92E-06	3.01E-03	3.78E-03
1563	495161.06, 3858651.99	0.05045	0.0425	0.05188	7.74E-04	3.09E-06	1.39E-03	0.002169	7.91E-04	3.05E-06	1.55E-03	2.34E-03	7.52E-04	3.87E-06	2.97E-03	3.73E-03
1564	495211.06, 3858651.99	0.04963	0.04181	0.05103	7.62E-04	3.04E-06	1.37E-03	0.002133	7.78E-04	3.00E-06	1.52E-03	2.30E-03	7.39E-04	3.80E-06	2.92E-03	3.67E-03
1565	495261.06, 3858651.99	0.04937	0.0416	0.05077	7.58E-04	3.03E-06	1.36E-03	0.002122	7.74E-04	2.98E-06	1.51E-03	2.29E-03	7.35E-04	3.78E-06	2.91E-03	3.65E-03
1566	495311.06, 3858651.99	0.04893	0.04124	0.05033	7.51E-04	3.00E-06	1.35E-03	0.002104	7.67E-04	2.95E-06	1.50E-03	2.27E-03	7.29E-04	3.75E-06	2.88E-03	3.62E-03
1567	495361.06, 3858651.99	0.04867	0.04103	0.05006	7.47E-04	2.99E-06	1.34E-03	0.002092	7.63E-04	2.94E-06	1.49E-03	2.26E-03	7.25E-04	3.73E-06	2.87E-03	3.60E-03
1568	495411.06, 3858651.99	0.04849	0.04089	0.04988	7.44E-04	2.98E-06	1.34E-03	0.002085	7.60E-04	2.93E-06	1.49E-03	2.25E-03	7.22E-04	3.72E-06	2.86E-03	3.58E-03
1569	495461.06, 3858651.99	0.04841	0.04084	0.04982	7.43E-04	2.97E-06	1.34E-03	0.002082	7.59E-04	2.93E-06	1.49E-03	2.25E-03	7.21E-04	3.71E-06	2.85E-03	3.58E-03
1570	495511.06, 3858651.99	0.04792	0.04043	0.04932	7.35E-04	2.94E-06	1.32E-03	0.002061	7.51E-04	2.90E-06	1.47E-03	2.23E-03	7.14E-04	3.68E-06	2.83E-03	3.54E-03
1571	495561.06, 3858651.99	0.04756	0.04013	0.04895	7.30E-04	2.92E-06	1.31E-03	0.002046	7.46E-04	2.88E-06	1.46E-03	2.21E-03	7.09E-04	3.65E-06	2.80E-03	3.52E-03
1572	495611.06, 3858651.99	0.04701	0.03965	0.04835	7.21E-04	2.89E-06	1.30E-03	0.002021	7.37E-04	2.84E-06	1.44E-03	2.18E-03	7.00E-04	3.61E-06	2.77E-03	3.47E-03
1573	495661.06, 3858651.99	0.04683	0.03951	0.04817	7.19E-04	2.88E-06	1.29E-03	0.002013	7.34E-04	2.83E-06	1.44E-03	2.17E-03	6.98E-04	3.59E-06	2.76E-03	3.46E-03
1574	494311.06, 3858701.99	0.05759	0.048	0.05916	8.84E-04	3.49E-06	1.59E-03	0.002474	9.03E-04	3.44E-06	1.76E-03	2.67E-03	8.58E-04	4.37E-06	3.39E-03	4.25E-03
1575	494361.06, 3858701.99	0.06113	0.05127	0.06309	9.38E-04	3.73E-06	1.69E-03	0.002634	9.58E-04	3.67E-06	1.88E-03	2.84E-03	9.11E-04	4.66E-06	3.61E-03	4.53E-03
1576	494411.06, 3858701.99	0.06324	0.05322	0.0654	9.70E-04	3.87E-06	1.75E-03	0.002728	9.92E-04	3.81E-06	1.95E-03	2.95E-03	9.42E-04	4.84E-06	3.75E-03	4.69E-03
1577	494461.06, 3858701.99	0.06315	0.05322	0.06533	9.69E-04	3.87E-06	1.75E-03	0.002725	9.90E-04	3.81E-06	1.95E-03	2.94E-03	9.41E-04	4.84E-06	3.74E-03	4.69E-03
1578	494511.06, 3858701.99	0.06314	0.05326	0.0653	9.69E-04	3.88E-06	1.75E-03	0.002724	9.90E-04	3.82E-06	1.95E-03	2.94E-03	9.41E-04	4.84E-06	3.74E-03	4.69E-03
1579	494561.06, 3858701.99	0.06264	0.05289	0.06479	9.61E-04	3.85E-06	1.74E-03	0.002703	9.82E-04	3.79E-06	1.93E-03	2.92E-03	9.33E-04	4.81E-06	3.71E-03	4.65E-03
1580	494611.06, 3858701.99	0.06137	0.05182	0.06343	9.42E-04	3.77E-06	1.70E-03	0.002647	9.62E-04	3.71E-06	1.89E-03	2.86E-03	9.14E-04	4.71E-06	3.63E-03	4.55E-03
1581	494661.06, 3858701.99	0.06121	0.05175	0.06328	9.39E-04	3.77E-06	1.70E-03	0.00264	9.60E-04	3.71E-06	1.89E-03	2.85E-03	9.12E-04	4.71E-06	3.62E-03	4.54E-03
1582	494711.06, 3858701.99	0.0586	0.04948	0.06049	8.99E-04	3.60E-06	1.62E-03	0.002525	9.19E-04	3.55E-06	1.80E-03	2.73E-03	8.73E-04	4.50E-06	3.47E-03	4.34E-03
1583	494761.06, 3858701.99	0.05904	0.04993	0.06098	9.06E-04	3.63E-06	1.64E-03	0.002545	9.26E-04	3.58E-06	1.82E-03	2.75E-03	8.80E-04	4.54E-06	3.49E-03	4.38E-03
1584	494811.06, 3858701.99	0.05784	0.04891	0.0597	8.88E-04	3.56E-06	1.60E-03	0.002492	9.07E-04	3.50E-06	1.78E-03	2.69E-03	8.62E-04	4.45E-06	3.42E-03	4.29E-03
1585	494861.06, 3858701.99	0.05686	0.0481	0.05867	8.73E-04	3.50E-06	1.57E-03	0.00245	8.92E-04	3.45E-06	1.75E-03	2.65E-03	8.47E-04	4.38E-06	3.36E-03	4.21E-03
1586	494911.06, 3858701.99	0.05602	0.04739	0.05779	8.60E-04	3.45E-06	1.55E-03	0.002413	8.78E-04	3.40E-06	1.72E-03	2.61E-03	8.35E-04	4.31E-06	3.31E-03	4.15E-03
1587	494961.06, 3858701.99	0.05441	0.04596	0.05602	8.35E-04	3.35E-06	1.50E-03	0.002341	8.53E-04	3.29E-06	1.67E-03	2.53E-03	8.11E-04	4.18E-06	3.21E-03	4.02E-03
1588	495011.06, 3858701.99	0.05338	0.0451	0.05494	8.19E-04	3.28E-06	1.47E-03	0.002296	8.37E-04	3.23E-06	1.64E-03	2.48E-03	7.95E-04	4.10E-06	3.15E-03	3.95E-03
1589	495061.06, 3858701.99	0.05289	0.04471	0.05444	8.12E-04	3.25E-06	1.46E-03	0.002275	8.29E-04	3.20E-06	1.62E-03	2.46E-03	7.88E-04	4.07E-06	3.12E-03	3.91E-03
1590	495111.06, 3858701.99	0.05172	0.0437	0.05321	7.94E-04	3.18E-06	1.43E-03	0.002224	8.11E-04	3.13E-06	1.59E-03	2.40E-03	7.70E-04	3.98E-06	3.05E-03	3.82E-03
1591	495161.06, 3858701.99	0.05111	0.0432	0.05258	7.84E-04	3.14E-06	1.41E-03	0.002198	8.01E-04	3.10E-06	1.57E-03	2.37E-03	7.61E-04	3.93E-06	3.01E-03	3.78E-03
1592	495211.06, 3858701.99	0.05031	0.04252	0.05174	7.72E-04	3.10E-06	1.39E-03	0.002163	7.89E-04	3.05E-06	1.54E-03	2.34E-03	7.49E-04	3.87E-06	2.96E-03	3.72E-03

1593	495261.06, 3858701.99	0.05007	0.04235	0.05151	7.68E-04	3.08E-06	1.38E-03	0.002153	7.85E-04	3.03E-06	1.54E-03	2.32E-03	7.46E-04	3.85E-06	2.95E-03	3.70E-03
1594	495311.06, 3858701.99	0.04985	0.04218	0.05129	7.65E-04	3.07E-06	1.38E-03	0.002144	7.82E-04	3.02E-06	1.53E-03	2.31E-03	7.43E-04	3.84E-06	2.94E-03	3.68E-03
1595	495361.06, 3858701.99	0.0495	0.04189	0.05094	7.60E-04	3.05E-06	1.37E-03	0.002129	7.76E-04	3.00E-06	1.52E-03	2.30E-03	7.37E-04	3.81E-06	2.92E-03	3.66E-03
1596	495411.06, 3858701.99	0.04939	0.04182	0.05083	7.58E-04	3.04E-06	1.36E-03	0.002124	7.74E-04	3.00E-06	1.52E-03	2.29E-03	7.36E-04	3.80E-06	2.91E-03	3.65E-03
1597	495461.06, 3858701.99	0.04912	0.0416	0.05056	7.54E-04	3.03E-06	1.36E-03	0.002113	7.70E-04	2.98E-06	1.51E-03	2.28E-03	7.32E-04	3.78E-06	2.90E-03	3.63E-03
1598	495511.06, 3858701.99	0.04872	0.04127	0.05016	7.48E-04	3.00E-06	1.35E-03	0.002096	7.64E-04	2.96E-06	1.50E-03	2.26E-03	7.26E-04	3.75E-06	2.87E-03	3.60E-03
1599	495561.06, 3858701.99	0.04825	0.04087	0.04967	7.40E-04	2.98E-06	1.33E-03	0.002076	7.57E-04	2.93E-06	1.48E-03	2.24E-03	7.19E-04	3.72E-06	2.85E-03	3.57E-03
1600	495611.06, 3858701.99	0.04777	0.04046	0.04918	7.33E-04	2.95E-06	1.32E-03	0.002055	7.49E-04	2.90E-06	1.47E-03	2.22E-03	7.12E-04	3.68E-06	2.82E-03	3.53E-03
1601	495661.06, 3858701.99	0.04747	0.04021	0.04887	7.28E-04	2.93E-06	1.31E-03	0.002042	7.44E-04	2.88E-06	1.46E-03	2.21E-03	7.07E-04	3.66E-06	2.80E-03	3.51E-03
1602	494311.06, 3858751.99	0.05844	0.04882	0.06016	8.97E-04	3.55E-06	1.61E-03	0.002514	9.16E-04	3.50E-06	1.79E-03	2.71E-03	8.71E-04	4.44E-06	3.45E-03	4.32E-03
1603	494361.06, 3858751.99	0.06267	0.05265	0.06478	9.62E-04	3.83E-06	1.74E-03	0.002703	9.83E-04	3.77E-06	1.93E-03	2.92E-03	9.34E-04	4.79E-06	3.71E-03	4.65E-03
1604	494411.06, 3858751.99	0.06426	0.05416	0.06655	9.86E-04	3.94E-06	1.78E-03	0.002775	1.01E-03	3.88E-06	1.99E-03	3.00E-03	9.57E-04	4.93E-06	3.81E-03	4.77E-03
1605	494461.06, 3858751.99	0.06415	0.05414	0.06646	9.84E-04	3.94E-06	1.78E-03	0.002771	1.01E-03	3.88E-06	1.98E-03	2.99E-03	9.56E-04	4.92E-06	3.81E-03	4.77E-03
1606	494511.06, 3858751.99	0.06432	0.05433	0.06661	9.87E-04	3.95E-06	1.79E-03	0.002777	1.01E-03	3.89E-06	1.99E-03	3.00E-03	9.58E-04	4.94E-06	3.82E-03	4.78E-03
1607	494561.06, 3858751.99	0.06342	0.05364	0.0657	9.73E-04	3.90E-06	1.76E-03	0.002739	9.94E-04	3.84E-06	1.96E-03	2.96E-03	9.45E-04	4.88E-06	3.76E-03	4.71E-03
1608	494611.06, 3858751.99	0.0624	0.0528	0.0646	9.58E-04	3.84E-06	1.73E-03	0.002694	9.78E-04	3.78E-06	1.93E-03	2.91E-03	9.30E-04	4.80E-06	3.70E-03	4.63E-03
1609	494661.06, 3858751.99	0.06168	0.05224	0.06386	9.46E-04	3.80E-06	1.71E-03	0.002663	9.67E-04	3.74E-06	1.91E-03	2.88E-03	9.19E-04	4.75E-06	3.66E-03	4.58E-03
1610	494711.06, 3858751.99	0.06016	0.05095	0.06223	9.23E-04	3.71E-06	1.67E-03	0.002596	9.43E-04	3.65E-06	1.86E-03	2.80E-03	8.96E-04	4.63E-06	3.56E-03	4.47E-03
1611	494761.06, 3858751.99	0.05979	0.05065	0.0618	9.17E-04	3.69E-06	1.66E-03	0.002579	9.37E-04	3.63E-06	1.84E-03	2.78E-03	8.91E-04	4.61E-06	3.54E-03	4.44E-03
1612	494811.06, 3858751.99	0.05847	0.04954	0.0604	8.97E-04	3.61E-06	1.62E-03	0.002521	9.17E-04	3.55E-06	1.80E-03	2.72E-03	8.71E-04	4.51E-06	3.46E-03	4.34E-03
1613	494861.06, 3858751.99	0.05732	0.04857	0.05918	8.80E-04	3.54E-06	1.59E-03	0.00247	8.99E-04	3.48E-06	1.77E-03	2.67E-03	8.54E-04	4.42E-06	3.39E-03	4.25E-03
1614	494911.06, 3858751.99	0.05605	0.0475	0.05783	8.60E-04	3.46E-06	1.55E-03	0.002415	8.79E-04	3.40E-06	1.73E-03	2.61E-03	8.35E-04	4.32E-06	3.31E-03	4.15E-03
1615	494961.06, 3858751.99	0.05514	0.04673	0.05687	8.46E-04	3.40E-06	1.53E-03	0.002375	8.65E-04	3.35E-06	1.70E-03	2.56E-03	8.21E-04	4.25E-06	3.26E-03	4.08E-03
1616	495011.06, 3858751.99	0.0545	0.04621	0.0562	8.36E-04	3.36E-06	1.51E-03	0.002347	8.55E-04	3.31E-06	1.68E-03	2.53E-03	8.12E-04	4.20E-06	3.22E-03	4.04E-03
1617	495061.06, 3858751.99	0.05357	0.04539	0.05517	8.22E-04	3.30E-06	1.48E-03	0.002305	8.40E-04	3.25E-06	1.65E-03	2.49E-03	7.98E-04	4.13E-06	3.16E-03	3.96E-03
1618	495111.06, 3858751.99	0.05248	0.04446	0.05402	8.05E-04	3.24E-06	1.45E-03	0.002257	8.23E-04	3.19E-06	1.61E-03	2.44E-03	7.82E-04	4.04E-06	3.09E-03	3.88E-03
1619	495161.06, 3858751.99	0.05183	0.04393	0.05335	7.95E-04	3.20E-06	1.43E-03	0.002229	8.13E-04	3.15E-06	1.59E-03	2.41E-03	7.72E-04	4.00E-06	3.06E-03	3.83E-03
1620	495211.06, 3858751.99	0.05102	0.04325	0.05251	7.83E-04	3.15E-06	1.41E-03	0.002194	8.00E-04	3.10E-06	1.57E-03	2.37E-03	7.60E-04	3.93E-06	3.01E-03	3.77E-03
1621	495261.06, 3858751.99	0.05075	0.04305	0.05223	7.79E-04	3.13E-06	1.40E-03	0.002183	7.96E-04	3.08E-06	1.56E-03	2.36E-03	7.56E-04	3.92E-06	2.99E-03	3.75E-03
1622	495311.06, 3858751.99	0.05054	0.0429	0.05202	7.76E-04	3.12E-06	1.40E-03	0.002174	7.92E-04	3.07E-06	1.55E-03	2.35E-03	7.53E-04	3.90E-06	2.98E-03	3.74E-03
1623	495361.06, 3858751.99	0.05021	0.04263	0.05169	7.70E-04	3.10E-06	1.39E-03	0.00216	7.87E-04	3.05E-06	1.54E-03	2.33E-03	7.48E-04	3.88E-06	2.96E-03	3.71E-03
1624	495411.06, 3858751.99	0.05016	0.04262	0.05165	7.70E-04	3.10E-06	1.39E-03	0.002158	7.86E-04	3.05E-06	1.54E-03	2.33E-03	7.47E-04	3.88E-06	2.96E-03	3.71E-03
1625	495461.06, 3858751.99	0.04988	0.0424	0.05138	7.65E-04	3.09E-06	1.38E-03	0.002147	7.82E-04	3.04E-06	1.53E-03	2.32E-03	7.43E-04	3.86E-06	2.94E-03	3.69E-03
1626	495511.06, 3858751.99	0.04948	0.04207	0.05096	7.59E-04	3.06E-06	1.37E-03	0.002129	7.76E-04	3.01E-06	1.52E-03	2.30E-03	7.37E-04	3.83E-06	2.92E-03	3.66E-03
1627	495561.06, 3858751.99	0.04902	0.04168	0.05049	7.52E-04	3.03E-06	1.35E-03	0.002109	7.69E-04	2.99E-06	1.51E-03	2.28E-03	7.30E-04	3.79E-06	2.89E-03	3.63E-03
1628	495611.06, 3858751.99	0.04856	0.0413	0.05002	7.45E-04	3.01E-06	1.34E-03	0.00209	7.61E-04	2.96E-06	1.49E-03	2.26E-03	7.23E-04	3.76E-06	2.87E-03	3.59E-03
1629	495661.06, 3858751.99	0.04819	0.04099	0.04964	7.39E-04	2.98E-06	1.33E-03	0.002074	7.56E-04	2.94E-06	1.48E-03	2.24E-03	7.18E-04	3.73E-06	2.84E-03	3.57E-03
1630	494311.06, 3858801.99	0.06014	0.05034	0.06203	9.23E-04	3.66E-06	1.66E-03	0.00259	9.43E-04	3.61E-06	1.85E-03	2.80E-03	8.96E-04	4.58E-06	3.55E-03	4.45E-03
1631	494361.06, 3858801.99	0.06386	0.05372	0.06611	9.80E-04	3.91E-06	1.77E-03	0.002757	1.00E-03	3.85E-06	1.97E-03	2.98E-03	9.51E-04	4.89E-06	3.79E-03	4.74E-03
1632	494411.06, 3858801.99	0.06466	0.05452	0.06702	9.92E-04	3.97E-06	1.80E-03	0.002794	1.01E-03	3.91E-06	2.00E-03	3.02E-03	9.63E-04	4.96E-06	3.84E-03	4.81E-03
1633	494461.06, 3858801.99	0.06499	0.05489	0.0674	9.97E-04	4.00E-06	1.81E-03	0.002809	1.02E-03	3.93E-06	2.01E-03	3.03E-03	9.68E-04	4.99E-06	3.86E-03	4.83E-03
1634	494511.06, 3858801.99	0.06525	0.05516	0.06766	1.00E-03	4.02E-06	1.81E-03	0.00282	1.02E-03	3.95E-06	2.02E-03	3.05E-03	9.72E-04	5.02E-06	3.88E-03	4.85E-03
1635	494561.06, 3858801.99	0.06487	0.05491	0.06727	9.95E-04	4.00E-06	1.80E-03	0.002804	1.02E-03	3.93E-06	2.01E-03	3.03E-03	9.66E-04	4.99E-06	3.85E-03	4.82E-03
1636	494611.06, 3858801.99	0.06419	0.05438	0.06655	9.85E-04	3.96E-06	1.78E-03	0.002774	1.01E-03	3.90E-06	1.99E-03	3.00E-03	9.56E-04	4.95E-06	3.81E-03	4.77E-03
1637	494661.06, 3858801.99	0.06308	0.05347	0.06537	9.68E-04	3.89E-06	1.75E-03	0.002725	9.89E-04	3.83E-06	1.95E-03	2.94E-03	9.40E-04	4.86E-06	3.74E-03	4.69E-03
1638	494711.06, 3858801.99	0.06179	0.05239	0.06398	9.48E-04	3.81E-06	1.72E-03	0.002668	9.69E-04	3.75E-06	1.91E-03	2.88E-03	9.20E-04	4.77E-06	3.67E-03	4.59E-03
1639	494761.06, 3858801.99	0.06029	0.05113	0.06238	9.25E-04	3.72E-06	1.67E-03	0.002602	9.45E-04	3.66E-06	1.86E-03	2.81E-03	8.98E-04	4.65E-06	3.57E-03	4.48E-03
1640	494811.06, 3858801.99	0.05877	0.04984	0.06074	9.02E-04	3.63E-06	1.63E-03	0.002535	9.21E-04	3.57E-06	1.81E-03	2.74E-03	8.76E-04	4.53E-06	3.48E-03	4.36E-03
1641	494861.06, 3858801.99	0.05795	0.04917	0.05991	8.89E-04	3.58E-06	1.61E-03	0.0025	9.09E-04	3.52E-06	1.79E-03	2.70E-03	8.63E-04	4.47E-06	3.43E-03	4.30E-03
1642	494911.06, 3858801.99	0.05673	0.04814	0.05858	8.71E-04	3.50E-06	1.57E-03	0.002445	8.89E-04	3.45E-06	1.75E-03	2.64E-03	8.45E-04	4.38E-06	3.36E-03	4.21E-03
1643	494961.06, 3858801.99	0.05582	0.04739	0.05762	8.57E-04	3.45E-06	1.55E-03	0.002405	8.75E-04	3.40E-06	1.72E-03	2.60E-03	8.32E-04	4.31E-06	3.30E-03	4.14E-03
1644	495011.06, 3858801.99	0.05487	0.0466	0.05661	8.42E-04	3.39E-06	1.52E-03	0.002364	8.60E-04	3.34E-06	1.69E-03	2.55E-03	8.17E-04	4.24E-06	3.24E-03	4.06E-03
1645	495061.06, 3858801.99	0.05425	0.0461	0.05596	8.32E-04	3.36E-06	1.50E-03	0.002337	8.51E-04	3.30E-06	1.67E-03	2.52E-03	8.08E-04	4.19E-06	3.21E-03	4.02E-03
1646	495111.06, 3858801.99	0.05305	0.04507	0.05464	8.14E-04	3.28E-06	1.47E-03	0.002283	8.32E-04	3.23E-06	1.63E-03	2.47E-03	7.90E-04	4.10E-06	3.13E-03	3.92E-03
1647	495161.06, 3858801.99	0.05217	0.0443	0.05371	8.01E-04	3.22E-06	1.44E-03	0.002244	8.18E-04	3.17E-06	1.60E-03	2.42E-03	7.77E-04	4.03E-06	3.08E-03	3.86E-03
1648	495211.06, 3858801.99	0.05168	0.04391	0.05321	7.93E-04	3.20E-06	1.43E-03	0.002223	8.10E-04	3.15E-06	1.59E-03	2.40E-03	7.70E-04	3.99E-06	3.05E-03	3.82E-03
1649	495261.06, 3858801.99	0.05143	0.04373	0.05296	7.89E-04	3.18E-06	1.42E-03	0.002213	8.06E-04	3.13E-06	1.58E-03	2.39E-03	7.66E-04	3.98E-06	3.03E-03	3.80E-03

1650	495311.06, 3858801.99	0.05127	0.04362	0.0528	7.87E-04	3.18E-06	1.42E-03	0.002206	8.04E-04	3.13E-06	1.58E-03	2.38E-03	7.64E-04	3.97E-06	3.02E-03	3.79E-03
1651	495361.06, 3858801.99	0.05097	0.0434	0.0525	7.82E-04	3.16E-06	1.41E-03	0.002193	7.99E-04	3.11E-06	1.57E-03	2.37E-03	7.59E-04	3.95E-06	3.01E-03	3.77E-03
1652	495411.06, 3858801.99	0.05105	0.04351	0.0526	7.83E-04	3.17E-06	1.41E-03	0.002197	8.00E-04	3.12E-06	1.57E-03	2.37E-03	7.60E-04	3.96E-06	3.01E-03	3.78E-03
1653	495461.06, 3858801.99	0.05071	0.04324	0.05226	7.78E-04	3.15E-06	1.40E-03	0.002183	7.95E-04	3.10E-06	1.56E-03	2.36E-03	7.55E-04	3.93E-06	2.99E-03	3.75E-03
1654	495511.06, 3858801.99	0.05024	0.04285	0.05177	7.71E-04	3.12E-06	1.39E-03	0.002163	7.88E-04	3.07E-06	1.54E-03	2.34E-03	7.48E-04	3.90E-06	2.97E-03	3.72E-03
1655	495561.06, 3858801.99	0.04984	0.04253	0.05136	7.65E-04	3.10E-06	1.38E-03	0.002145	7.81E-04	3.05E-06	1.53E-03	2.32E-03	7.42E-04	3.87E-06	2.94E-03	3.69E-03
1656	495611.06, 3858801.99	0.04926	0.04204	0.05076	7.56E-04	3.06E-06	1.36E-03	0.00212	7.72E-04	3.01E-06	1.51E-03	2.29E-03	7.34E-04	3.82E-06	2.91E-03	3.65E-03
1657	495661.06, 3858801.99	0.04897	0.04181	0.05047	7.51E-04	3.04E-06	1.35E-03	0.002108	7.68E-04	3.00E-06	1.51E-03	2.28E-03	7.30E-04	3.80E-06	2.89E-03	3.62E-03
1658	494311.06, 3858851.99	0.06419	0.05396	0.06648	9.85E-04	3.93E-06	1.78E-03	0.002772	1.01E-03	3.87E-06	1.98E-03	2.99E-03	9.56E-04	4.91E-06	3.81E-03	4.77E-03
1659	494361.06, 3858851.99	0.06629	0.05591	0.06882	1.02E-03	4.07E-06	1.85E-03	0.002867	1.04E-03	4.01E-06	2.05E-03	3.10E-03	9.88E-04	5.09E-06	3.94E-03	4.93E-03
1660	494411.06, 3858851.99	0.06601	0.05573	0.06854	1.01E-03	4.06E-06	1.84E-03	0.002855	1.03E-03	3.99E-06	2.04E-03	3.08E-03	9.83E-04	5.07E-06	3.93E-03	4.91E-03
1661	494461.06, 3858851.99	0.06605	0.05584	0.0686	1.01E-03	4.06E-06	1.84E-03	0.002857	1.04E-03	4.00E-06	2.05E-03	3.09E-03	9.84E-04	5.08E-06	3.93E-03	4.92E-03
1662	494511.06, 3858851.99	0.06602	0.05584	0.06854	1.01E-03	4.06E-06	1.84E-03	0.002855	1.04E-03	4.00E-06	2.04E-03	3.08E-03	9.84E-04	5.08E-06	3.93E-03	4.91E-03
1663	494561.06, 3858851.99	0.06553	0.05548	0.06803	1.01E-03	4.04E-06	1.82E-03	0.002834	1.03E-03	3.98E-06	2.03E-03	3.06E-03	9.76E-04	5.05E-06	3.90E-03	4.88E-03
1664	494611.06, 3858851.99	0.06468	0.05481	0.06712	9.93E-04	3.99E-06	1.80E-03	0.002797	1.01E-03	3.93E-06	2.00E-03	3.02E-03	9.64E-04	4.99E-06	3.84E-03	4.81E-03
1665	494661.06, 3858851.99	0.06362	0.05394	0.06599	9.76E-04	3.93E-06	1.77E-03	0.00275	9.98E-04	3.86E-06	1.97E-03	2.97E-03	9.48E-04	4.91E-06	3.78E-03	4.73E-03
1666	494711.06, 3858851.99	0.06211	0.05266	0.06435	9.53E-04	3.83E-06	1.73E-03	0.002683	9.74E-04	3.77E-06	1.92E-03	2.90E-03	9.25E-04	4.79E-06	3.69E-03	4.62E-03
1667	494761.06, 3858851.99	0.06066	0.05145	0.0628	9.31E-04	3.75E-06	1.68E-03	0.002619	9.51E-04	3.69E-06	1.87E-03	2.83E-03	9.04E-04	4.68E-06	3.60E-03	4.51E-03
1668	494811.06, 3858851.99	0.05946	0.05045	0.06152	9.12E-04	3.67E-06	1.65E-03	0.002566	9.32E-04	3.61E-06	1.84E-03	2.77E-03	8.86E-04	4.59E-06	3.52E-03	4.41E-03
1669	494861.06, 3858851.99	0.05867	0.04982	0.06068	9.00E-04	3.63E-06	1.63E-03	0.002531	9.20E-04	3.57E-06	1.81E-03	2.73E-03	8.74E-04	4.53E-06	3.48E-03	4.35E-03
1670	494911.06, 3858851.99	0.05757	0.0489	0.0595	8.83E-04	3.56E-06	1.60E-03	0.002483	9.03E-04	3.50E-06	1.78E-03	2.68E-03	8.58E-04	4.45E-06	3.41E-03	4.27E-03
1671	494961.06, 3858851.99	0.05661	0.04811	0.05849	8.69E-04	3.50E-06	1.57E-03	0.002441	8.88E-04	3.45E-06	1.74E-03	2.64E-03	8.43E-04	4.38E-06	3.35E-03	4.20E-03
1672	495011.06, 3858851.99	0.05583	0.04748	0.05767	8.57E-04	3.46E-06	1.55E-03	0.002407	8.75E-04	3.40E-06	1.72E-03	2.60E-03	8.32E-04	4.32E-06	3.30E-03	4.14E-03
1673	495061.06, 3858851.99	0.05491	0.04672	0.05669	8.43E-04	3.40E-06	1.52E-03	0.002366	8.61E-04	3.35E-06	1.69E-03	2.56E-03	8.18E-04	4.25E-06	3.25E-03	4.07E-03
1674	495111.06, 3858851.99	0.0533	0.04533	0.05497	8.18E-04	3.30E-06	1.47E-03	0.002296	8.36E-04	3.25E-06	1.64E-03	2.48E-03	7.94E-04	4.12E-06	3.15E-03	3.95E-03
1675	495161.06, 3858851.99	0.05245	0.04462	0.05407	8.05E-04	3.25E-06	1.45E-03	0.002258	8.22E-04	3.20E-06	1.61E-03	2.44E-03	7.81E-04	4.06E-06	3.10E-03	3.88E-03
1676	495211.06, 3858851.99	0.05244	0.04467	0.05408	8.05E-04	3.25E-06	1.45E-03	0.002258	8.22E-04	3.20E-06	1.61E-03	2.44E-03	7.81E-04	4.06E-06	3.10E-03	3.88E-03
1677	495261.06, 3858851.99	0.05217	0.04448	0.05381	8.01E-04	3.24E-06	1.44E-03	0.002247	8.18E-04	3.19E-06	1.61E-03	2.43E-03	7.77E-04	4.05E-06	3.08E-03	3.86E-03
1678	495311.06, 3858851.99	0.05208	0.04444	0.05373	7.99E-04	3.23E-06	1.44E-03	0.002243	8.17E-04	3.18E-06	1.60E-03	2.42E-03	7.76E-04	4.04E-06	3.08E-03	3.86E-03
1679	495361.06, 3858851.99	0.05186	0.0443	0.05351	7.96E-04	3.22E-06	1.44E-03	0.002234	8.13E-04	3.17E-06	1.60E-03	2.41E-03	7.73E-04	4.03E-06	3.07E-03	3.84E-03
1680	495411.06, 3858851.99	0.05165	0.04415	0.0533	7.93E-04	3.21E-06	1.43E-03	0.002225	8.10E-04	3.16E-06	1.59E-03	2.40E-03	7.69E-04	4.02E-06	3.05E-03	3.83E-03
1681	495461.06, 3858851.99	0.05148	0.04405	0.05314	7.90E-04	3.21E-06	1.43E-03	0.002218	8.07E-04	3.16E-06	1.59E-03	2.40E-03	7.67E-04	4.01E-06	3.04E-03	3.82E-03
1682	495511.06, 3858851.99	0.05113	0.04378	0.0528	7.85E-04	3.19E-06	1.42E-03	0.002204	8.02E-04	3.14E-06	1.58E-03	2.38E-03	7.62E-04	3.98E-06	3.02E-03	3.79E-03
1683	495561.06, 3858851.99	0.05038	0.04313	0.05194	7.73E-04	3.14E-06	1.39E-03	0.002169	7.90E-04	3.09E-06	1.55E-03	2.34E-03	7.51E-04	3.92E-06	2.98E-03	3.73E-03
1684	495611.06, 3858851.99	0.04976	0.04257	0.05129	7.64E-04	3.10E-06	1.38E-03	0.002142	7.80E-04	3.05E-06	1.53E-03	2.31E-03	7.41E-04	3.87E-06	2.94E-03	3.68E-03
1685	495661.06, 3858851.99	0.04959	0.04245	0.05113	7.61E-04	3.09E-06	1.37E-03	0.002135	7.78E-04	3.04E-06	1.53E-03	2.31E-03	7.39E-04	3.86E-06	2.93E-03	3.67E-03
1686	494311.06, 3858901.99	0.06577	0.05542	0.06826	1.01E-03	4.03E-06	1.83E-03	0.002844	1.03E-03	3.97E-06	2.04E-03	3.07E-03	9.80E-04	5.04E-06	3.91E-03	4.90E-03
1687	494361.06, 3858901.99	0.0673	0.05684	0.06997	1.03E-03	4.14E-06	1.88E-03	0.002913	1.06E-03	4.07E-06	2.09E-03	3.15E-03	1.00E-03	5.17E-06	4.01E-03	5.02E-03
1688	494411.06, 3858901.99	0.06732	0.05692	0.07002	1.03E-03	4.14E-06	1.88E-03	0.002915	1.06E-03	4.08E-06	2.09E-03	3.15E-03	1.00E-03	5.18E-06	4.01E-03	5.02E-03
1689	494461.06, 3858901.99	0.06752	0.05711	0.0702	1.04E-03	4.16E-06	1.88E-03	0.002923	1.06E-03	4.09E-06	2.09E-03	3.16E-03	1.01E-03	5.19E-06	4.02E-03	5.03E-03
1690	494511.06, 3858901.99	0.06732	0.05701	0.07001	1.03E-03	4.15E-06	1.88E-03	0.002915	1.06E-03	4.08E-06	2.09E-03	3.15E-03	1.00E-03	5.19E-06	4.01E-03	5.02E-03
1691	494561.06, 3858901.99	0.06645	0.05631	0.06908	1.02E-03	4.10E-06	1.85E-03	0.002877	1.04E-03	4.03E-06	2.06E-03	3.11E-03	9.90E-04	5.12E-06	3.96E-03	4.95E-03
1692	494611.06, 3858901.99	0.06495	0.05504	0.06745	9.97E-04	4.01E-06	1.81E-03	0.00281	1.02E-03	3.94E-06	2.01E-03	3.03E-03	9.68E-04	5.01E-06	3.86E-03	4.84E-03
1693	494661.06, 3858901.99	0.06412	0.05437	0.06656	9.84E-04	3.96E-06	1.79E-03	0.002773	1.01E-03	3.90E-06	1.99E-03	2.99E-03	9.55E-04	4.95E-06	3.81E-03	4.77E-03
1694	494711.06, 3858901.99	0.06274	0.05322	0.06508	9.63E-04	3.87E-06	1.75E-03	0.002712	9.84E-04	3.81E-06	1.94E-03	2.93E-03	9.35E-04	4.84E-06	3.73E-03	4.67E-03
1695	494761.06, 3858901.99	0.06113	0.05185	0.06334	9.38E-04	3.77E-06	1.70E-03	0.002641	9.58E-04	3.72E-06	1.89E-03	2.85E-03	9.11E-04	4.72E-06	3.63E-03	4.54E-03
1696	494811.06, 3858901.99	0.06018	0.05108	0.06232	9.23E-04	3.72E-06	1.67E-03	0.002599	9.44E-04	3.66E-06	1.86E-03	2.81E-03	8.97E-04	4.65E-06	3.57E-03	4.47E-03
1697	494861.06, 3858901.99	0.05945	0.0505	0.06155	9.12E-04	3.68E-06	1.65E-03	0.002567	9.32E-04	3.62E-06	1.84E-03	2.77E-03	8.86E-04	4.59E-06	3.53E-03	4.42E-03
1698	494911.06, 3858901.99	0.0579	0.04919	0.05989	8.88E-04	3.58E-06	1.61E-03	0.002498	9.08E-04	3.52E-06	1.79E-03	2.70E-03	8.63E-04	4.47E-06	3.43E-03	4.30E-03
1699	494961.06, 3858901.99	0.05705	0.0485	0.05899	8.75E-04	3.53E-06	1.58E-03	0.002461	8.94E-04	3.48E-06	1.76E-03	2.66E-03	8.50E-04	4.41E-06	3.38E-03	4.23E-03
1700	495011.06, 3858901.99	0.05623	0.04783	0.05812	8.63E-04	3.48E-06	1.56E-03	0.002425	8.82E-04	3.43E-06	1.73E-03	2.62E-03	8.38E-04	4.35E-06	3.33E-03	4.17E-03
1701	495061.06, 3858901.99	0.05506	0.04685	0.05687	8.45E-04	3.41E-06	1.53E-03	0.002374	8.63E-04	3.36E-06	1.70E-03	2.56E-03	8.20E-04	4.26E-06	3.26E-03	4.08E-03
1702	495111.06, 3858901.99	0.05342	0.04545	0.05512	8.20E-04	3.31E-06	1.48E-03	0.002301	8.38E-04	3.26E-06	1.64E-03	2.49E-03	7.96E-04	4.13E-06	3.16E-03	3.96E-03
1703	495161.06, 3858901.99	0.05291	0.04505	0.05458	8.12E-04	3.28E-06	1.46E-03	0.002279	8.30E-04	3.23E-06	1.63E-03	2.46E-03	7.88E-04	4.10E-06	3.13E-03	3.92E-03
1704	495211.06, 3858901.99	0.05316	0.04533	0.05487	8.16E-04	3.30E-06	1.47E-03	0.002291	8.34E-04	3.25E-06	1.64E-03	2.47E-03	7.92E-04	4.12E-06	3.14E-03	3.94E-03
1705	495261.06, 3858901.99	0.05301	0.04526	0.05473	8.13E-04	3.29E-06	1.47E-03	0.002285	8.31E-04	3.24E-06	1.63E-03	2.47E-03	7.90E-04	4.12E-06	3.14E-03	3.93E-03
1706	495311.06, 3858901.99	0.05273	0.04506	0.05445	8.09E-04	3.28E-06	1.46E-03	0.002273	8.27E-04	3.23E-06	1.62E-03	2.45E-03	7.86E-04	4.10E-06	3.12E-03	3.91E-03

1707	495361.06, 3858901.99	0.0525	0.04491	0.05421	8.06E-04	3.27E-06	1.45E-03	0.002263	8.23E-04	3.22E-06	1.62E-03	2.44E-03	7.82E-04	4.09E-06	3.11E-03	3.89E-03
1708	495411.06, 3858901.99	0.05248	0.04494	0.05421	8.05E-04	3.27E-06	1.45E-03	0.002263	8.23E-04	3.22E-06	1.62E-03	2.44E-03	7.82E-04	4.09E-06	3.11E-03	3.89E-03
1709	495461.06, 3858901.99	0.05211	0.04466	0.05383	8.00E-04	3.25E-06	1.44E-03	0.002247	8.17E-04	3.20E-06	1.61E-03	2.43E-03	7.76E-04	4.06E-06	3.08E-03	3.86E-03
1710	495511.06, 3858901.99	0.05155	0.0442	0.05324	7.91E-04	3.22E-06	1.43E-03	0.002222	8.08E-04	3.17E-06	1.59E-03	2.40E-03	7.68E-04	4.02E-06	3.05E-03	3.82E-03
1711	495561.06, 3858901.99	0.05109	0.04383	0.05277	7.84E-04	3.19E-06	1.42E-03	0.002202	8.01E-04	3.14E-06	1.57E-03	2.38E-03	7.61E-04	3.99E-06	3.02E-03	3.79E-03
1712	495611.06, 3858901.99	0.05047	0.04331	0.05212	7.74E-04	3.15E-06	1.40E-03	0.002176	7.91E-04	3.10E-06	1.55E-03	2.35E-03	7.52E-04	3.94E-06	2.99E-03	3.74E-03
1713	495661.06, 3858901.99	0.05036	0.04326	0.05202	7.73E-04	3.15E-06	1.40E-03	0.002171	7.90E-04	3.10E-06	1.55E-03	2.34E-03	7.50E-04	3.94E-06	2.98E-03	3.73E-03
1714	494311.06, 3858951.99	0.06826	0.05772	0.07105	1.05E-03	4.20E-06	1.91E-03	0.002957	1.07E-03	4.14E-06	2.12E-03	3.19E-03	1.02E-03	5.25E-06	4.07E-03	5.09E-03
1715	494361.06, 3858951.99	0.06878	0.05822	0.07164	1.06E-03	4.24E-06	1.92E-03	0.002981	1.08E-03	4.17E-06	2.14E-03	3.22E-03	1.02E-03	5.30E-06	4.10E-03	5.13E-03
1716	494411.06, 3858951.99	0.06814	0.05772	0.07097	1.05E-03	4.20E-06	1.90E-03	0.002953	1.07E-03	4.14E-06	2.12E-03	3.19E-03	1.02E-03	5.25E-06	4.07E-03	5.09E-03
1717	494461.06, 3858951.99	0.06839	0.05793	0.07119	1.05E-03	4.22E-06	1.91E-03	0.002963	1.07E-03	4.15E-06	2.12E-03	3.20E-03	1.02E-03	5.27E-06	4.08E-03	5.10E-03
1718	494511.06, 3858951.99	0.0679	0.05756	0.07069	1.04E-03	4.19E-06	1.90E-03	0.002942	1.06E-03	4.12E-06	2.11E-03	3.18E-03	1.01E-03	5.24E-06	4.05E-03	5.07E-03
1719	494561.06, 3858951.99	0.06705	0.05687	0.06978	1.03E-03	4.14E-06	1.87E-03	0.002905	1.05E-03	4.07E-06	2.08E-03	3.14E-03	9.99E-04	5.17E-06	4.00E-03	5.00E-03
1720	494611.06, 3858951.99	0.0658	0.05582	0.06843	1.01E-03	4.06E-06	1.84E-03	0.002849	1.03E-03	4.00E-06	2.04E-03	3.08E-03	9.80E-04	5.08E-06	3.92E-03	4.91E-03
1721	494661.06, 3858951.99	0.06465	0.05485	0.06718	9.92E-04	3.99E-06	1.80E-03	0.002798	1.01E-03	3.93E-06	2.00E-03	3.02E-03	9.63E-04	4.99E-06	3.85E-03	4.82E-03
1722	494711.06, 3858951.99	0.06302	0.05347	0.06542	9.67E-04	3.89E-06	1.75E-03	0.002726	9.88E-04	3.83E-06	1.95E-03	2.94E-03	9.39E-04	4.86E-06	3.75E-03	4.69E-03
1723	494761.06, 3858951.99	0.06182	0.05247	0.06413	9.49E-04	3.82E-06	1.72E-03	0.002672	9.69E-04	3.76E-06	1.91E-03	2.89E-03	9.21E-04	4.77E-06	3.67E-03	4.60E-03
1724	494811.06, 3858951.99	0.06099	0.0518	0.06325	9.36E-04	3.77E-06	1.70E-03	0.002636	9.56E-04	3.71E-06	1.89E-03	2.85E-03	9.09E-04	4.71E-06	3.62E-03	4.54E-03
1725	494861.06, 3858951.99	0.06016	0.05113	0.06236	9.23E-04	3.72E-06	1.67E-03	0.002599	9.43E-04	3.66E-06	1.86E-03	2.81E-03	8.96E-04	4.65E-06	3.57E-03	4.47E-03
1726	494911.06, 3858951.99	0.05897	0.05013	0.06108	9.05E-04	3.65E-06	1.64E-03	0.002547	9.25E-04	3.59E-06	1.82E-03	2.75E-03	8.78E-04	4.56E-06	3.50E-03	4.38E-03
1727	494961.06, 3858951.99	0.05834	0.04964	0.06042	8.95E-04	3.61E-06	1.62E-03	0.002519	9.15E-04	3.56E-06	1.80E-03	2.72E-03	8.69E-04	4.52E-06	3.46E-03	4.33E-03
1728	495011.06, 3858951.99	0.05652	0.04808	0.05846	8.67E-04	3.50E-06	1.57E-03	0.002439	8.86E-04	3.45E-06	1.74E-03	2.63E-03	8.42E-04	4.37E-06	3.35E-03	4.20E-03
1729	495061.06, 3858951.99	0.05483	0.04663	0.05664	8.41E-04	3.39E-06	1.52E-03	0.002364	8.60E-04	3.34E-06	1.69E-03	2.55E-03	8.17E-04	4.24E-06	3.24E-03	4.07E-03
1730	495111.06, 3858951.99	0.05355	0.04555	0.05527	8.22E-04	3.32E-06	1.48E-03	0.002307	8.40E-04	3.26E-06	1.65E-03	2.49E-03	7.98E-04	4.14E-06	3.17E-03	3.97E-03
1731	495161.06, 3858951.99	0.05404	0.04606	0.05583	8.29E-04	3.35E-06	1.50E-03	0.00233	8.47E-04	3.30E-06	1.67E-03	2.52E-03	8.05E-04	4.19E-06	3.20E-03	4.01E-03
1732	495211.06, 3858951.99	0.05393	0.04602	0.05572	8.28E-04	3.35E-06	1.49E-03	0.002325	8.46E-04	3.30E-06	1.66E-03	2.51E-03	8.03E-04	4.19E-06	3.19E-03	4.00E-03
1733	495261.06, 3858951.99	0.0538	0.04597	0.0556	8.26E-04	3.35E-06	1.49E-03	0.00232	8.44E-04	3.29E-06	1.66E-03	2.51E-03	8.01E-04	4.18E-06	3.19E-03	3.99E-03
1734	495311.06, 3858951.99	0.05315	0.04545	0.05492	8.16E-04	3.31E-06	1.47E-03	0.002292	8.33E-04	3.26E-06	1.64E-03	2.47E-03	7.92E-04	4.13E-06	3.15E-03	3.94E-03
1735	495361.06, 3858951.99	0.05309	0.04545	0.05487	8.15E-04	3.31E-06	1.47E-03	0.00229	8.32E-04	3.26E-06	1.64E-03	2.47E-03	7.91E-04	4.13E-06	3.14E-03	3.94E-03
1736	495411.06, 3858951.99	0.05312	0.04554	0.05493	8.15E-04	3.31E-06	1.47E-03	0.002292	8.33E-04	3.26E-06	1.64E-03	2.47E-03	7.91E-04	4.14E-06	3.15E-03	3.94E-03
1737	495461.06, 3858951.99	0.05283	0.04533	0.05463	8.11E-04	3.30E-06	1.47E-03	0.002279	8.28E-04	3.25E-06	1.63E-03	2.46E-03	7.87E-04	4.12E-06	3.13E-03	3.92E-03
1738	495511.06, 3858951.99	0.05273	0.04529	0.05454	8.09E-04	3.30E-06	1.46E-03	0.002275	8.27E-04	3.25E-06	1.63E-03	2.46E-03	7.86E-04	4.12E-06	3.12E-03	3.91E-03
1739	495561.06, 3858951.99	0.05181	0.04451	0.05356	7.95E-04	3.24E-06	1.44E-03	0.002235	8.12E-04	3.19E-06	1.60E-03	2.41E-03	7.72E-04	4.05E-06	3.07E-03	3.84E-03
1740	495611.06, 3858951.99	0.05126	0.04406	0.05298	7.87E-04	3.21E-06	1.42E-03	0.002211	8.04E-04	3.16E-06	1.58E-03	2.39E-03	7.64E-04	4.01E-06	3.03E-03	3.80E-03
1741	495661.06, 3858951.99	0.05118	0.04404	0.05291	7.85E-04	3.21E-06	1.42E-03	0.002208	8.02E-04	3.16E-06	1.58E-03	2.38E-03	7.62E-04	4.01E-06	3.03E-03	3.80E-03
1742	494311.06, 3859001.99	0.06991	0.05927	0.07289	1.07E-03	4.31E-06	1.95E-03	0.003032	1.10E-03	4.25E-06	2.17E-03	3.27E-03	1.04E-03	5.39E-06	4.18E-03	5.22E-03
1743	494361.06, 3859001.99	0.06971	0.05914	0.07271	1.07E-03	4.30E-06	1.95E-03	0.003024	1.09E-03	4.24E-06	2.17E-03	3.27E-03	1.04E-03	5.38E-06	4.17E-03	5.21E-03
1744	494411.06, 3859001.99	0.06961	0.05903	0.07254	1.07E-03	4.30E-06	1.95E-03	0.003018	1.09E-03	4.23E-06	2.16E-03	3.26E-03	1.04E-03	5.37E-06	4.16E-03	5.20E-03
1745	494461.06, 3859001.99	0.06917	0.05869	0.07208	1.06E-03	4.27E-06	1.93E-03	0.002999	1.08E-03	4.21E-06	2.15E-03	3.24E-03	1.03E-03	5.34E-06	4.13E-03	5.16E-03
1746	494511.06, 3859001.99	0.06871	0.05833	0.0716	1.05E-03	4.25E-06	1.92E-03	0.002979	1.08E-03	4.18E-06	2.14E-03	3.22E-03	1.02E-03	5.31E-06	4.10E-03	5.13E-03
1747	494561.06, 3859001.99	0.0675	0.05731	0.07031	1.04E-03	4.17E-06	1.89E-03	0.002926	1.06E-03	4.11E-06	2.10E-03	3.16E-03	1.01E-03	5.21E-06	4.03E-03	5.04E-03
1748	494611.06, 3859001.99	0.06639	0.05638	0.06911	1.02E-03	4.10E-06	1.85E-03	0.002876	1.04E-03	4.04E-06	2.06E-03	3.11E-03	9.89E-04	5.13E-06	3.96E-03	4.95E-03
1749	494661.06, 3859001.99	0.06503	0.05523	0.06764	9.98E-04	4.02E-06	1.81E-03	0.002816	1.02E-03	3.96E-06	2.02E-03	3.04E-03	9.69E-04	5.02E-06	3.87E-03	4.85E-03
1750	494711.06, 3859001.99	0.06344	0.05387	0.06592	9.73E-04	3.92E-06	1.77E-03	0.002745	9.95E-04	3.86E-06	1.97E-03	2.97E-03	9.45E-04	4.90E-06	3.78E-03	4.73E-03
1751	494761.06, 3859001.99	0.06248	0.05307	0.06489	9.59E-04	3.86E-06	1.74E-03	0.002703	9.80E-04	3.80E-06	1.94E-03	2.92E-03	9.31E-04	4.83E-06	3.72E-03	4.65E-03
1752	494811.06, 3859001.99	0.06189	0.05261	0.06427	9.50E-04	3.83E-06	1.72E-03	0.002677	9.70E-04	3.77E-06	1.92E-03	2.89E-03	9.22E-04	4.79E-06	3.68E-03	4.61E-03
1753	494861.06, 3859001.99	0.06085	0.05174	0.06315	9.34E-04	3.77E-06	1.69E-03	0.002631	9.54E-04	3.71E-06	1.88E-03	2.84E-03	9.06E-04	4.71E-06	3.62E-03	4.53E-03
1754	494911.06, 3859001.99	0.05974	0.05082	0.06196	9.17E-04	3.70E-06	1.66E-03	0.002582	9.37E-04	3.64E-06	1.85E-03	2.79E-03	8.90E-04	4.62E-06	3.55E-03	4.44E-03
1755	494961.06, 3859001.99	0.05862	0.04988	0.06076	9.00E-04	3.63E-06	1.63E-03	0.002533	9.19E-04	3.57E-06	1.81E-03	2.74E-03	8.73E-04	4.54E-06	3.48E-03	4.36E-03
1756	495011.06, 3859001.99	0.05572	0.04735	0.05762	8.55E-04	3.45E-06	1.55E-03	0.002404	8.74E-04	3.39E-06	1.72E-03	2.60E-03	8.30E-04	4.31E-06	3.30E-03	4.14E-03
1757	495061.06, 3859001.99	0.05513	0.04689	0.057	8.46E-04	3.41E-06	1.53E-03	0.002378	8.64E-04	3.36E-06	1.70E-03	2.57E-03	8.21E-04	4.27E-06	3.27E-03	4.09E-03
1758	495111.06, 3859001.99	0.05392	0.04588	0.0557	8.27E-04	3.34E-06	1.49E-03	0.002325	8.45E-04	3.29E-06	1.66E-03	2.51E-03	8.03E-04	4.17E-06	3.19E-03	4.00E-03
1759	495161.06, 3859001.99	0.05478	0.04671	0.05666	8.41E-04	3.40E-06	1.52E-03	0.002364	8.59E-04	3.35E-06	1.69E-03	2.55E-03	8.16E-04	4.25E-06	3.25E-03	4.07E-03
1760	495211.06, 3859001.99	0.05449	0.04652	0.05636	8.36E-04	3.39E-06	1.51E-03	0.002351	8.54E-04	3.33E-06	1.68E-03	2.54E-03	8.12E-04	4.23E-06	3.23E-03	4.04E-03
1761	495261.06, 3859001.99	0.05443	0.04653	0.05632	8.35E-04	3.39E-06	1.51E-03	0.002349	8.53E-04	3.33E-06	1.68E-03	2.54E-03	8.11E-04	4.23E-06	3.23E-03	4.04E-03
1762	495311.06, 3859001.99	0.05409	0.04628	0.05596	8.30E-04	3.37E-06	1.50E-03	0.002334	8.48E-04	3.32E-06	1.67E-03	2.52E-03	8.06E-04	4.21E-06	3.21E-03	4.02E-03
1763	495361.06, 3859001.99	0.054	0.04626	0.05588	8.29E-04	3.37E-06	1.50E-03	0.002331	8.47E-04	3.31E-06	1.67E-03	2.52E-03	8.04E-04	4.21E-06	3.20E-03	4.01E-03

1764	495411.06, 3859001.99	0.05378	0.04612	0.05566	8.25E-04	3.36E-06	1.49E-03	0.002321	8.43E-04	3.30E-06	1.66E-03	2.51E-03	8.01E-04	4.20E-06	3.19E-03	3.99E-03
1765	495461.06, 3859001.99	0.05363	0.04604	0.05551	8.23E-04	3.35E-06	1.49E-03	0.002315	8.41E-04	3.30E-06	1.66E-03	2.50E-03	7.99E-04	4.19E-06	3.18E-03	3.98E-03
1766	495511.06, 3859001.99	0.0529	0.04545	0.05475	8.12E-04	3.31E-06	1.47E-03	0.002283	8.29E-04	3.26E-06	1.63E-03	2.47E-03	7.88E-04	4.13E-06	3.14E-03	3.93E-03
1767	495561.06, 3859001.99	0.05248	0.04512	0.05431	8.05E-04	3.28E-06	1.46E-03	0.002265	8.23E-04	3.23E-06	1.62E-03	2.45E-03	7.82E-04	4.10E-06	3.11E-03	3.90E-03
1768	495611.06, 3859001.99	0.05201	0.04475	0.05381	7.98E-04	3.26E-06	1.44E-03	0.002245	8.15E-04	3.21E-06	1.61E-03	2.42E-03	7.75E-04	4.07E-06	3.08E-03	3.86E-03
1769	495661.06, 3859001.99	0.05225	0.04502	0.05409	8.02E-04	3.28E-06	1.45E-03	0.002256	8.19E-04	3.23E-06	1.61E-03	2.44E-03	7.78E-04	4.10E-06	3.10E-03	3.88E-03
1770	494311.06, 3859051.99	0.07104	0.06035	0.07418	1.09E-03	4.39E-06	1.99E-03	0.003084	1.11E-03	4.32E-06	2.21E-03	3.33E-03	1.06E-03	5.49E-06	4.25E-03	5.31E-03
1771	494361.06, 3859051.99	0.07111	0.06038	0.07418	1.09E-03	4.40E-06	1.99E-03	0.003085	1.11E-03	4.33E-06	2.21E-03	3.33E-03	1.06E-03	5.49E-06	4.25E-03	5.31E-03
1772	494411.06, 3859051.99	0.07047	0.05987	0.07351	1.08E-03	4.36E-06	1.97E-03	0.003057	1.10E-03	4.29E-06	2.19E-03	3.30E-03	1.05E-03	5.45E-06	4.21E-03	5.27E-03
1773	494461.06, 3859051.99	0.06971	0.05924	0.0727	1.07E-03	4.31E-06	1.95E-03	0.003024	1.09E-03	4.24E-06	2.17E-03	3.27E-03	1.04E-03	5.39E-06	4.16E-03	5.21E-03
1774	494511.06, 3859051.99	0.06872	0.05841	0.07165	1.05E-03	4.25E-06	1.92E-03	0.00298	1.08E-03	4.19E-06	2.14E-03	3.22E-03	1.02E-03	5.31E-06	4.10E-03	5.13E-03
1775	494561.06, 3859051.99	0.06788	0.05772	0.07076	1.04E-03	4.20E-06	1.90E-03	0.002944	1.06E-03	4.14E-06	2.11E-03	3.18E-03	1.01E-03	5.25E-06	4.05E-03	5.07E-03
1776	494611.06, 3859051.99	0.06674	0.05676	0.06954	1.02E-03	4.13E-06	1.87E-03	0.002893	1.05E-03	4.07E-06	2.07E-03	3.13E-03	9.94E-04	5.16E-06	3.98E-03	4.98E-03
1777	494661.06, 3859051.99	0.06551	0.05571	0.06821	1.01E-03	4.06E-06	1.83E-03	0.002839	1.03E-03	3.99E-06	2.03E-03	3.07E-03	9.76E-04	5.07E-06	3.91E-03	4.89E-03
1778	494711.06, 3859051.99	0.06437	0.05475	0.06699	9.88E-04	3.99E-06	1.80E-03	0.002788	1.01E-03	3.92E-06	2.00E-03	3.01E-03	9.59E-04	4.98E-06	3.84E-03	4.80E-03
1779	494761.06, 3859051.99	0.06319	0.05375	0.06571	9.70E-04	3.91E-06	1.76E-03	0.002736	9.91E-04	3.85E-06	1.96E-03	2.95E-03	9.41E-04	4.89E-06	3.76E-03	4.71E-03
1780	494811.06, 3859051.99	0.06235	0.05305	0.06482	9.57E-04	3.86E-06	1.74E-03	0.002699	9.78E-04	3.80E-06	1.93E-03	2.92E-03	9.29E-04	4.83E-06	3.71E-03	4.65E-03
1781	494861.06, 3859051.99	0.06149	0.05234	0.0639	9.44E-04	3.81E-06	1.71E-03	0.002661	9.64E-04	3.75E-06	1.91E-03	2.87E-03	9.16E-04	4.76E-06	3.66E-03	4.58E-03
1782	494911.06, 3859051.99	0.06017	0.05122	0.06247	9.23E-04	3.73E-06	1.68E-03	0.002603	9.43E-04	3.67E-06	1.86E-03	2.81E-03	8.96E-04	4.66E-06	3.58E-03	4.48E-03
1783	494961.06, 3859051.99	0.05822	0.04954	0.06036	8.93E-04	3.61E-06	1.62E-03	0.002516	9.13E-04	3.55E-06	1.80E-03	2.72E-03	8.67E-04	4.51E-06	3.46E-03	4.33E-03
1784	495011.06, 3859051.99	0.05679	0.04832	0.05882	8.71E-04	3.52E-06	1.58E-03	0.002453	8.90E-04	3.46E-06	1.75E-03	2.65E-03	8.46E-04	4.40E-06	3.37E-03	4.22E-03
1785	495061.06, 3859051.99	0.05583	0.04752	0.05779	8.57E-04	3.46E-06	1.55E-03	0.00241	8.75E-04	3.40E-06	1.72E-03	2.60E-03	8.32E-04	4.32E-06	3.31E-03	4.15E-03
1786	495111.06, 3859051.99	0.05531	0.04712	0.05725	8.49E-04	3.43E-06	1.54E-03	0.002388	8.67E-04	3.38E-06	1.71E-03	2.58E-03	8.24E-04	4.29E-06	3.28E-03	4.11E-03
1787	495161.06, 3859051.99	0.05571	0.04753	0.05769	8.55E-04	3.46E-06	1.55E-03	0.002406	8.73E-04	3.41E-06	1.72E-03	2.60E-03	8.30E-04	4.32E-06	3.30E-03	4.14E-03
1788	495211.06, 3859051.99	0.05509	0.04704	0.05704	8.45E-04	3.42E-06	1.53E-03	0.002379	8.64E-04	3.37E-06	1.70E-03	2.57E-03	8.21E-04	4.28E-06	3.27E-03	4.09E-03
1789	495261.06, 3859051.99	0.05523	0.04723	0.05721	8.48E-04	3.44E-06	1.53E-03	0.002385	8.66E-04	3.38E-06	1.71E-03	2.58E-03	8.23E-04	4.30E-06	3.28E-03	4.10E-03
1790	495311.06, 3859051.99	0.05481	0.04691	0.05677	8.41E-04	3.41E-06	1.52E-03	0.002367	8.59E-04	3.36E-06	1.69E-03	2.56E-03	8.17E-04	4.27E-06	3.25E-03	4.07E-03
1791	495361.06, 3859051.99	0.05462	0.04681	0.05659	8.38E-04	3.41E-06	1.52E-03	0.002359	8.56E-04	3.35E-06	1.69E-03	2.55E-03	8.14E-04	4.26E-06	3.24E-03	4.06E-03
1792	495411.06, 3859051.99	0.05459	0.04684	0.05657	8.38E-04	3.41E-06	1.52E-03	0.002358	8.56E-04	3.36E-06	1.69E-03	2.55E-03	8.13E-04	4.26E-06	3.24E-03	4.06E-03
1793	495461.06, 3859051.99	0.05454	0.04685	0.05653	8.37E-04	3.41E-06	1.52E-03	0.002356	8.55E-04	3.36E-06	1.69E-03	2.54E-03	8.12E-04	4.26E-06	3.24E-03	4.06E-03
1794	495511.06, 3859051.99	0.05379	0.04623	0.05573	8.25E-04	3.37E-06	1.49E-03	0.002323	8.43E-04	3.31E-06	1.66E-03	2.51E-03	8.01E-04	4.21E-06	3.19E-03	4.00E-03
1795	495561.06, 3859051.99	0.05322	0.04578	0.05512	8.17E-04	3.33E-06	1.48E-03	0.002298	8.34E-04	3.28E-06	1.64E-03	2.48E-03	7.93E-04	4.16E-06	3.16E-03	3.95E-03
1796	495611.06, 3859051.99	0.05272	0.04539	0.0546	8.09E-04	3.30E-06	1.46E-03	0.002277	8.27E-04	3.25E-06	1.63E-03	2.46E-03	7.85E-04	4.13E-06	3.13E-03	3.92E-03
1797	495661.06, 3859051.99	0.0529	0.0456	0.05482	8.12E-04	3.32E-06	1.47E-03	0.002285	8.29E-04	3.27E-06	1.64E-03	2.47E-03	7.88E-04	4.15E-06	3.14E-03	3.93E-03
1798	494311.06, 3859101.99	0.07228	0.06139	0.07546	1.11E-03	4.47E-06	2.02E-03	0.003137	1.13E-03	4.40E-06	2.25E-03	3.39E-03	1.08E-03	5.58E-06	4.32E-03	5.41E-03
1799	494361.06, 3859101.99	0.07172	0.06095	0.07487	1.10E-03	4.44E-06	2.01E-03	0.003113	1.12E-03	4.37E-06	2.23E-03	3.36E-03	1.07E-03	5.54E-06	4.29E-03	5.36E-03
1800	494411.06, 3859101.99	0.07127	0.06061	0.07441	1.09E-03	4.41E-06	2.00E-03	0.003094	1.12E-03	4.34E-06	2.22E-03	3.34E-03	1.06E-03	5.51E-06	4.26E-03	5.33E-03
1801	494461.06, 3859101.99	0.07047	0.05996	0.07356	1.08E-03	4.36E-06	1.97E-03	0.003059	1.10E-03	4.30E-06	2.19E-03	3.30E-03	1.05E-03	5.45E-06	4.21E-03	5.27E-03
1802	494511.06, 3859101.99	0.0693	0.05898	0.07231	1.06E-03	4.29E-06	1.94E-03	0.003007	1.09E-03	4.23E-06	2.16E-03	3.25E-03	1.03E-03	5.36E-06	4.14E-03	5.18E-03
1803	494561.06, 3859101.99	0.06838	0.05822	0.07133	1.05E-03	4.24E-06	1.91E-03	0.002967	1.07E-03	4.17E-06	2.13E-03	3.20E-03	1.02E-03	5.30E-06	4.09E-03	5.11E-03
1804	494611.06, 3859101.99	0.06696	0.05701	0.06981	1.03E-03	4.15E-06	1.87E-03	0.002904	1.05E-03	4.08E-06	2.08E-03	3.14E-03	9.98E-04	5.19E-06	4.00E-03	5.00E-03
1805	494661.06, 3859101.99	0.06607	0.05627	0.06886	1.01E-03	4.10E-06	1.85E-03	0.002865	1.04E-03	4.03E-06	2.05E-03	3.09E-03	9.84E-04	5.12E-06	3.94E-03	4.93E-03
1806	494711.06, 3859101.99	0.06447	0.0549	0.06713	9.89E-04	4.00E-06	1.80E-03	0.002794	1.01E-03	3.93E-06	2.00E-03	3.02E-03	9.60E-04	4.99E-06	3.85E-03	4.81E-03
1807	494761.06, 3859101.99	0.06405	0.05457	0.0667	9.83E-04	3.97E-06	1.79E-03	0.002776	1.00E-03	3.91E-06	1.99E-03	3.00E-03	9.54E-04	4.96E-06	3.82E-03	4.78E-03
1808	494811.06, 3859101.99	0.063	0.05369	0.06558	9.67E-04	3.91E-06	1.76E-03	0.00273	9.88E-04	3.85E-06	1.96E-03	2.95E-03	9.39E-04	4.88E-06	3.76E-03	4.70E-03
1809	494861.06, 3859101.99	0.06208	0.05291	0.06459	9.53E-04	3.85E-06	1.73E-03	0.002689	9.73E-04	3.79E-06	1.93E-03	2.90E-03	9.25E-04	4.81E-06	3.70E-03	4.63E-03
1810	494911.06, 3859101.99	0.06072	0.05175	0.06312	9.32E-04	3.77E-06	1.69E-03	0.002628	9.52E-04	3.71E-06	1.88E-03	2.84E-03	9.05E-04	4.71E-06	3.62E-03	4.53E-03
1811	494961.06, 3859101.99	0.05867	0.04997	0.0609	9.00E-04	3.64E-06	1.63E-03	0.002537	9.20E-04	3.58E-06	1.82E-03	2.74E-03	8.74E-04	4.55E-06	3.49E-03	4.37E-03
1812	495011.06, 3859101.99	0.05655	0.04812	0.05859	8.68E-04	3.50E-06	1.57E-03	0.002443	8.87E-04	3.45E-06	1.75E-03	2.64E-03	8.42E-04	4.38E-06	3.36E-03	4.20E-03
1813	495061.06, 3859101.99	0.05655	0.04818	0.05861	8.68E-04	3.51E-06	1.57E-03	0.002443	8.87E-04	3.45E-06	1.75E-03	2.64E-03	8.42E-04	4.38E-06	3.36E-03	4.20E-03
1814	495111.06, 3859101.99	0.05596	0.04771	0.05799	8.59E-04	3.47E-06	1.56E-03	0.002418	8.77E-04	3.42E-06	1.73E-03	2.61E-03	8.34E-04	4.34E-06	3.32E-03	4.16E-03
1815	495161.06, 3859101.99	0.05634	0.0481	0.05842	8.65E-04	3.50E-06	1.57E-03	0.002435	8.83E-04	3.45E-06	1.74E-03	2.63E-03	8.39E-04	4.38E-06	3.35E-03	4.19E-03
1816	495211.06, 3859101.99	0.0558	0.04768	0.058	8.56E-04	3.47E-06	1.56E-03	0.002415	8.75E-04	3.42E-06	1.73E-03	2.61E-03	8.31E-04	4.34E-06	3.32E-03	4.16E-03
1817	495261.06, 3859101.99	0.0558	0.04774	0.05787	8.56E-04	3.48E-06	1.55E-03	0.002412	8.75E-04	3.42E-06	1.73E-03	2.60E-03	8.31E-04	4.34E-06	3.32E-03	4.15E-03
1818	495311.06, 3859101.99	0.05557	0.04762	0.05767	8.53E-04	3.47E-06	1.55E-03	0.002403	8.71E-04	3.41E-06	1.72E-03	2.60E-03	8.28E-04	4.33E-06	3.30E-03	4.14E-03
1819	495361.06, 3859101.99	0.05561	0.04769	0.0577	8.53E-04	3.47E-06	1.55E-03	0.002404	8.72E-04	3.42E-06	1.72E-03	2.60E-03	8.28E-04	4.34E-06	3.31E-03	4.14E-03
1820	495411.06, 3859101.99	0.05546	0.04762	0.05756	8.51E-04	3.47E-06	1.54E-03	0.002398	8.70E-04	3.41E-06	1.72E-03	2.59E-03	8.26E-04	4.33E-06	3.30E-03	4.13E-03

1821	495461.06, 3859101.99	0.05492	0.04723	0.05703	8.43E-04	3.44E-06	1.53E-03	0.002376	8.61E-04	3.38E-06	1.70E-03	2.57E-03	8.18E-04	4.30E-06	3.27E-03	4.09E-03
1822	495511.06, 3859101.99	0.05464	0.04704	0.05674	8.38E-04	3.42E-06	1.52E-03	0.002364	8.57E-04	3.37E-06	1.69E-03	2.55E-03	8.14E-04	4.28E-06	3.25E-03	4.07E-03
1823	495561.06, 3859101.99	0.05417	0.04663	0.05619	8.31E-04	3.39E-06	1.51E-03	0.002342	8.49E-04	3.34E-06	1.68E-03	2.53E-03	8.07E-04	4.24E-06	3.22E-03	4.03E-03
1824	495611.06, 3859101.99	0.05357	0.04615	0.05556	8.22E-04	3.36E-06	1.49E-03	0.002316	8.40E-04	3.31E-06	1.66E-03	2.50E-03	7.98E-04	4.20E-06	3.18E-03	3.98E-03
1825	495661.06, 3859101.99	0.05351	0.04615	0.05551	8.21E-04	3.36E-06	1.49E-03	0.002313	8.39E-04	3.31E-06	1.66E-03	2.50E-03	7.97E-04	4.20E-06	3.18E-03	3.98E-03
1826	494311.06, 3859151.99	0.07294	0.0619	0.07618	1.12E-03	4.51E-06	2.04E-03	0.003167	1.14E-03	4.44E-06	2.27E-03	3.42E-03	1.09E-03	5.63E-06	4.36E-03	5.46E-03
1827	494361.06, 3859151.99	0.07258	0.06166	0.07581	1.11E-03	4.49E-06	2.03E-03	0.003152	1.14E-03	4.42E-06	2.26E-03	3.40E-03	1.08E-03	5.61E-06	4.34E-03	5.43E-03
1828	494411.06, 3859151.99	0.07166	0.06093	0.07484	1.10E-03	4.44E-06	2.01E-03	0.003111	1.12E-03	4.37E-06	2.23E-03	3.36E-03	1.07E-03	5.54E-06	4.29E-03	5.36E-03
1829	494461.06, 3859151.99	0.07071	0.06018	0.07384	1.09E-03	4.38E-06	1.98E-03	0.00307	1.11E-03	4.31E-06	2.20E-03	3.32E-03	1.05E-03	5.47E-06	4.23E-03	5.29E-03
1830	494511.06, 3859151.99	0.06948	0.05916	0.07253	1.07E-03	4.31E-06	1.95E-03	0.003016	1.09E-03	4.24E-06	2.16E-03	3.26E-03	1.04E-03	5.38E-06	4.15E-03	5.20E-03
1831	494561.06, 3859151.99	0.06874	0.05857	0.07175	1.05E-03	4.26E-06	1.92E-03	0.002983	1.08E-03	4.20E-06	2.14E-03	3.22E-03	1.02E-03	5.33E-06	4.11E-03	5.14E-03
1832	494611.06, 3859151.99	0.0675	0.05753	0.07043	1.04E-03	4.19E-06	1.89E-03	0.002929	1.06E-03	4.12E-06	2.10E-03	3.16E-03	1.01E-03	5.23E-06	4.03E-03	5.05E-03
1833	494661.06, 3859151.99	0.0667	0.05688	0.06958	1.02E-03	4.14E-06	1.87E-03	0.002894	1.05E-03	4.08E-06	2.08E-03	3.13E-03	9.94E-04	5.17E-06	3.99E-03	4.98E-03
1834	494711.06, 3859151.99	0.06602	0.05633	0.06887	1.01E-03	4.10E-06	1.85E-03	0.002864	1.04E-03	4.04E-06	2.05E-03	3.09E-03	9.84E-04	5.12E-06	3.95E-03	4.93E-03
1835	494761.06, 3859151.99	0.06458	0.0551	0.06731	9.91E-04	4.01E-06	1.81E-03	0.0028	1.01E-03	3.95E-06	2.01E-03	3.02E-03	9.62E-04	5.01E-06	3.86E-03	4.82E-03
1836	494811.06, 3859151.99	0.06337	0.05407	0.06602	9.72E-04	3.94E-06	1.77E-03	0.002747	9.94E-04	3.87E-06	1.97E-03	2.97E-03	9.44E-04	4.92E-06	3.78E-03	4.73E-03
1837	494861.06, 3859151.99	0.0626	0.05343	0.0652	9.61E-04	3.89E-06	1.75E-03	0.002713	9.82E-04	3.83E-06	1.95E-03	2.93E-03	9.33E-04	4.86E-06	3.73E-03	4.67E-03
1838	494911.06, 3859151.99	0.06111	0.05215	0.06359	9.38E-04	3.80E-06	1.71E-03	0.002647	9.58E-04	3.74E-06	1.90E-03	2.86E-03	9.10E-04	4.74E-06	3.64E-03	4.56E-03
1839	494961.06, 3859151.99	0.05908	0.05042	0.06143	9.07E-04	3.67E-06	1.65E-03	0.002558	9.26E-04	3.61E-06	1.83E-03	2.76E-03	8.80E-04	4.59E-06	3.52E-03	4.40E-03
1840	495011.06, 3859151.99	0.05722	0.04876	0.05936	8.78E-04	3.55E-06	1.59E-03	0.002474	8.97E-04	3.49E-06	1.77E-03	2.67E-03	8.52E-04	4.44E-06	3.40E-03	4.26E-03
1841	495061.06, 3859151.99	0.05704	0.04865	0.05918	8.75E-04	3.54E-06	1.59E-03	0.002466	8.94E-04	3.49E-06	1.77E-03	2.66E-03	8.50E-04	4.43E-06	3.39E-03	4.24E-03
1842	495111.06, 3859151.99	0.05668	0.04838	0.05882	8.70E-04	3.52E-06	1.58E-03	0.002451	8.89E-04	3.47E-06	1.75E-03	2.65E-03	8.44E-04	4.40E-06	3.37E-03	4.22E-03
1843	495161.06, 3859151.99	0.05705	0.04877	0.05924	8.75E-04	3.55E-06	1.59E-03	0.002468	8.94E-04	3.49E-06	1.77E-03	2.67E-03	8.50E-04	4.44E-06	3.39E-03	4.25E-03
1844	495211.06, 3859151.99	0.05676	0.04856	0.05894	8.71E-04	3.53E-06	1.58E-03	0.002455	8.90E-04	3.48E-06	1.76E-03	2.65E-03	8.46E-04	4.42E-06	3.38E-03	4.23E-03
1845	495261.06, 3859151.99	0.0565	0.04838	0.05867	8.67E-04	3.52E-06	1.57E-03	0.002444	8.86E-04	3.47E-06	1.75E-03	2.64E-03	8.42E-04	4.40E-06	3.36E-03	4.21E-03
1846	495311.06, 3859151.99	0.05631	0.04827	0.05848	8.64E-04	3.51E-06	1.57E-03	0.002436	8.83E-04	3.46E-06	1.74E-03	2.63E-03	8.39E-04	4.39E-06	3.35E-03	4.19E-03
1847	495361.06, 3859151.99	0.05607	0.04811	0.05824	8.60E-04	3.50E-06	1.56E-03	0.002426	8.79E-04	3.45E-06	1.74E-03	2.62E-03	8.35E-04	4.38E-06	3.34E-03	4.18E-03
1848	495411.06, 3859151.99	0.05635	0.04842	0.05856	8.65E-04	3.52E-06	1.57E-03	0.002439	8.84E-04	3.47E-06	1.75E-03	2.63E-03	8.39E-04	4.40E-06	3.35E-03	4.20E-03
1849	495461.06, 3859151.99	0.05614	0.04829	0.05835	8.61E-04	3.52E-06	1.56E-03	0.00243	8.80E-04	3.46E-06	1.74E-03	2.62E-03	8.36E-04	4.39E-06	3.34E-03	4.18E-03
1850	495511.06, 3859151.99	0.05546	0.04773	0.05762	8.51E-04	3.47E-06	1.55E-03	0.0024	8.70E-04	3.42E-06	1.72E-03	2.59E-03	8.26E-04	4.34E-06	3.30E-03	4.13E-03
1851	495561.06, 3859151.99	0.05498	0.04736	0.05712	8.44E-04	3.45E-06	1.53E-03	0.002379	8.62E-04	3.39E-06	1.70E-03	2.57E-03	8.19E-04	4.31E-06	3.27E-03	4.10E-03
1852	495611.06, 3859151.99	0.05457	0.04705	0.05669	8.37E-04	3.42E-06	1.52E-03	0.002361	8.56E-04	3.37E-06	1.69E-03	2.55E-03	8.13E-04	4.28E-06	3.25E-03	4.06E-03
1853	495661.06, 3859151.99	0.05423	0.04679	0.05633	8.32E-04	3.41E-06	1.51E-03	0.002346	8.50E-04	3.35E-06	1.68E-03	2.53E-03	8.08E-04	4.26E-06	3.23E-03	4.04E-03
1854	494311.06, 3859201.99	0.07343	0.06216	0.07669	1.13E-03	4.52E-06	2.06E-03	0.003188	1.15E-03	4.45E-06	2.29E-03	3.44E-03	1.09E-03	5.65E-06	4.39E-03	5.49E-03
1855	494361.06, 3859201.99	0.07287	0.06178	0.0761	1.12E-03	4.50E-06	2.04E-03	0.003164	1.14E-03	4.43E-06	2.27E-03	3.42E-03	1.09E-03	5.62E-06	4.36E-03	5.45E-03
1856	494411.06, 3859201.99	0.07209	0.0612	0.07529	1.11E-03	4.45E-06	2.02E-03	0.00313	1.13E-03	4.39E-06	2.25E-03	3.38E-03	1.07E-03	5.57E-06	4.31E-03	5.39E-03
1857	494461.06, 3859201.99	0.07095	0.06032	0.0741	1.09E-03	4.39E-06	1.99E-03	0.003081	1.11E-03	4.32E-06	2.21E-03	3.33E-03	1.06E-03	5.49E-06	4.24E-03	5.31E-03
1858	494511.06, 3859201.99	0.07019	0.05973	0.0733	1.08E-03	4.35E-06	1.97E-03	0.003047	1.10E-03	4.28E-06	2.19E-03	3.29E-03	1.05E-03	5.43E-06	4.20E-03	5.25E-03
1859	494561.06, 3859201.99	0.06891	0.0587	0.07195	1.06E-03	4.27E-06	1.93E-03	0.002991	1.08E-03	4.21E-06	2.15E-03	3.23E-03	1.03E-03	5.34E-06	4.12E-03	5.15E-03
1860	494611.06, 3859201.99	0.06791	0.05789	0.0709	1.04E-03	4.21E-06	1.90E-03	0.002948	1.06E-03	4.15E-06	2.12E-03	3.18E-03	1.01E-03	5.27E-06	4.06E-03	5.08E-03
1861	494661.06, 3859201.99	0.06712	0.05726	0.07006	1.03E-03	4.17E-06	1.88E-03	0.002913	1.05E-03	4.10E-06	2.09E-03	3.15E-03	1.00E-03	5.21E-06	4.01E-03	5.02E-03
1862	494711.06, 3859201.99	0.06633	0.05662	0.06922	1.02E-03	4.12E-06	1.86E-03	0.002878	1.04E-03	4.06E-06	2.06E-03	3.11E-03	9.88E-04	5.15E-06	3.97E-03	4.96E-03
1863	494761.06, 3859201.99	0.065	0.0555	0.0678	9.97E-04	4.04E-06	1.82E-03	0.00282	1.02E-03	3.98E-06	2.02E-03	3.05E-03	9.68E-04	5.05E-06	3.88E-03	4.86E-03
1864	494811.06, 3859201.99	0.0639	0.05458	0.06663	9.81E-04	3.97E-06	1.79E-03	0.002772	1.00E-03	3.91E-06	1.99E-03	2.99E-03	9.52E-04	4.96E-06	3.82E-03	4.77E-03
1865	494861.06, 3859201.99	0.06261	0.05351	0.06528	9.61E-04	3.90E-06	1.75E-03	0.002715	9.82E-04	3.83E-06	1.95E-03	2.93E-03	9.33E-04	4.87E-06	3.74E-03	4.68E-03
1866	494911.06, 3859201.99	0.061	0.05209	0.0635	9.36E-04	3.79E-06	1.70E-03	0.002643	9.56E-04	3.73E-06	1.89E-03	2.85E-03	9.09E-04	4.74E-06	3.64E-03	4.55E-03
1867	494961.06, 3859201.99	0.05929	0.05061	0.06166	9.10E-04	3.68E-06	1.65E-03	0.002567	9.30E-04	3.63E-06	1.84E-03	2.77E-03	8.83E-04	4.60E-06	3.53E-03	4.42E-03
1868	495011.06, 3859201.99	0.05703	0.04863	0.05921	8.75E-04	3.54E-06	1.59E-03	0.002467	8.94E-04	3.48E-06	1.77E-03	2.66E-03	8.50E-04	4.42E-06	3.39E-03	4.25E-03
1869	495061.06, 3859201.99	0.05783	0.0494	0.06011	8.87E-04	3.60E-06	1.61E-03	0.002503	9.07E-04	3.54E-06	1.79E-03	2.70E-03	8.61E-04	4.49E-06	3.44E-03	4.31E-03
1870	495111.06, 3859201.99	0.05779	0.04941	0.06008	8.87E-04	3.60E-06	1.61E-03	0.002502	9.06E-04	3.54E-06	1.79E-03	2.70E-03	8.61E-04	4.49E-06	3.44E-03	4.31E-03
1871	495161.06, 3859201.99	0.05763	0.04932	0.05992	8.84E-04	3.59E-06	1.61E-03	0.002495	9.04E-04	3.53E-06	1.79E-03	2.69E-03	8.59E-04	4.49E-06	3.43E-03	4.30E-03
1872	495211.06, 3859201.99	0.05715	0.04894	0.05941	8.77E-04	3.56E-06	1.59E-03	0.002474	8.96E-04	3.51E-06	1.77E-03	2.67E-03	8.51E-04	4.45E-06	3.40E-03	4.26E-03
1873	495261.06, 3859201.99	0.05713	0.04898	0.05941	8.77E-04	3.57E-06	1.59E-03	0.002474	8.96E-04	3.51E-06	1.77E-03	2.67E-03	8.51E-04	4.46E-06	3.40E-03	4.26E-03
1874	495311.06, 3859201.99	0.05695	0.04887	0.05923	8.74E-04	3.56E-06	1.59E-03	0.002466	8.93E-04	3.50E-06	1.77E-03	2.66E-03	8.48E-04	4.45E-06	3.39E-03	4.25E-03
1875	495361.06, 3859201.99	0.05685	0.04883	0.05913	8.72E-04	3.55E-06	1.59E-03	0.002462	8.91E-04	3.50E-06	1.76E-03	2.66E-03	8.47E-04	4.44E-06	3.39E-03	4.24E-03
1876	495411.06, 3859201.99	0.05703	0.04904	0.05935	8.75E-04	3.57E-06	1.59E-03	0.002471	8.94E-04	3.51E-06	1.77E-03	2.67E-03	8.50E-04	4.46E-06	3.40E-03	4.25E-03
1877	495461.06, 3859201.99	0.0567	0.0488	0.05901	8.70E-04	3.55E-06	1.58E-03	0.002456	8.89E-04	3.50E-06	1.76E-03	2.65E-03	8.45E-04	4.44E-06	3.38E-03	4.23E-03

1878	495511.06, 3859201.99	0.05639	0.04857	0.05868	8.65E-04	3.54E-06	1.57E-03	0.002443	8.84E-04	3.48E-06	1.75E-03	2.64E-03	8.40E-04	4.42E-06	3.36E-03	4.21E-03
1879	495561.06, 3859201.99	0.05565	0.04797	0.05789	8.54E-04	3.49E-06	1.55E-03	0.00241	8.73E-04	3.44E-06	1.73E-03	2.60E-03	8.29E-04	4.36E-06	3.32E-03	4.15E-03
1880	495611.06, 3859201.99	0.05514	0.04756	0.05735	8.46E-04	3.46E-06	1.54E-03	0.002388	8.65E-04	3.41E-06	1.71E-03	2.58E-03	8.21E-04	4.33E-06	3.29E-03	4.11E-03
1881	495661.06, 3859201.99	0.05481	0.04732	0.057	8.41E-04	3.44E-06	1.53E-03	0.002373	8.59E-04	3.39E-06	1.70E-03	2.56E-03	8.17E-04	4.30E-06	3.27E-03	4.09E-03
1882	494311.06, 3859251.99	0.07383	0.06224	0.07706	1.13E-03	4.53E-06	2.07E-03	0.003204	1.16E-03	4.46E-06	2.30E-03	3.46E-03	1.10E-03	5.66E-06	4.41E-03	5.52E-03
1883	494361.06, 3859251.99	0.07301	0.06168	0.07622	1.12E-03	4.49E-06	2.04E-03	0.003169	1.14E-03	4.42E-06	2.27E-03	3.42E-03	1.09E-03	5.61E-06	4.37E-03	5.46E-03
1884	494411.06, 3859251.99	0.07189	0.06085	0.07506	1.10E-03	4.43E-06	2.01E-03	0.003121	1.13E-03	4.36E-06	2.24E-03	3.37E-03	1.07E-03	5.54E-06	4.30E-03	5.38E-03
1885	494461.06, 3859251.99	0.07114	0.06032	0.07429	1.09E-03	4.39E-06	1.99E-03	0.003089	1.12E-03	4.32E-06	2.22E-03	3.34E-03	1.06E-03	5.49E-06	4.26E-03	5.32E-03
1886	494511.06, 3859251.99	0.0699	0.05937	0.073	1.07E-03	4.32E-06	1.96E-03	0.003035	1.10E-03	4.25E-06	2.18E-03	3.28E-03	1.04E-03	5.40E-06	4.18E-03	5.23E-03
1887	494561.06, 3859251.99	0.06909	0.05876	0.07215	1.06E-03	4.28E-06	1.94E-03	0.003	1.08E-03	4.21E-06	2.15E-03	3.24E-03	1.03E-03	5.34E-06	4.13E-03	5.17E-03
1888	494611.06, 3859251.99	0.06802	0.05791	0.07102	1.04E-03	4.22E-06	1.90E-03	0.002953	1.07E-03	4.15E-06	2.12E-03	3.19E-03	1.01E-03	5.27E-06	4.07E-03	5.09E-03
1889	494661.06, 3859251.99	0.06745	0.05749	0.07043	1.04E-03	4.18E-06	1.89E-03	0.002928	1.06E-03	4.12E-06	2.10E-03	3.16E-03	1.00E-03	5.23E-06	4.03E-03	5.04E-03
1890	494711.06, 3859251.99	0.06665	0.05687	0.06959	1.02E-03	4.14E-06	1.87E-03	0.002893	1.05E-03	4.07E-06	2.08E-03	3.13E-03	9.93E-04	5.17E-06	3.99E-03	4.98E-03
1891	494761.06, 3859251.99	0.0646	0.05518	0.06745	9.91E-04	4.02E-06	1.81E-03	0.002804	1.01E-03	3.95E-06	2.01E-03	3.03E-03	9.62E-04	5.02E-06	3.86E-03	4.83E-03
1892	494811.06, 3859251.99	0.06432	0.05494	0.06711	9.87E-04	4.00E-06	1.80E-03	0.002791	1.01E-03	3.94E-06	2.00E-03	3.01E-03	9.58E-04	5.00E-06	3.84E-03	4.81E-03
1893	494861.06, 3859251.99	0.06243	0.05338	0.06515	9.58E-04	3.89E-06	1.75E-03	0.002709	9.79E-04	3.82E-06	1.94E-03	2.93E-03	9.30E-04	4.86E-06	3.73E-03	4.67E-03
1894	494911.06, 3859251.99	0.06085	0.05198	0.06339	9.34E-04	3.78E-06	1.70E-03	0.002638	9.54E-04	3.72E-06	1.89E-03	2.85E-03	9.06E-04	4.73E-06	3.63E-03	4.54E-03
1895	494961.06, 3859251.99	0.06002	0.05129	0.06249	9.21E-04	3.73E-06	1.68E-03	0.002601	9.41E-04	3.68E-06	1.86E-03	2.81E-03	8.94E-04	4.67E-06	3.58E-03	4.48E-03
1896	495011.06, 3859251.99	0.059	0.05043	0.06141	9.05E-04	3.67E-06	1.65E-03	0.002556	9.25E-04	3.61E-06	1.83E-03	2.76E-03	8.79E-04	4.59E-06	3.52E-03	4.40E-03
1897	495061.06, 3859251.99	0.05905	0.05052	0.06147	9.06E-04	3.68E-06	1.65E-03	0.002558	9.26E-04	3.62E-06	1.83E-03	2.76E-03	8.80E-04	4.60E-06	3.52E-03	4.41E-03
1898	495111.06, 3859251.99	0.05865	0.05021	0.06105	9.00E-04	3.65E-06	1.64E-03	0.002541	9.20E-04	3.60E-06	1.82E-03	2.74E-03	8.74E-04	4.57E-06	3.50E-03	4.38E-03
1899	495161.06, 3859251.99	0.05846	0.05009	0.06086	8.97E-04	3.65E-06	1.63E-03	0.002533	9.17E-04	3.59E-06	1.82E-03	2.74E-03	8.71E-04	4.56E-06	3.49E-03	4.36E-03
1900	495211.06, 3859251.99	0.05801	0.04974	0.06039	8.90E-04	3.62E-06	1.62E-03	0.002513	9.10E-04	3.56E-06	1.80E-03	2.71E-03	8.64E-04	4.52E-06	3.46E-03	4.33E-03
1901	495261.06, 3859251.99	0.05782	0.04966	0.06025	8.87E-04	3.61E-06	1.62E-03	0.002507	9.07E-04	3.56E-06	1.80E-03	2.71E-03	8.61E-04	4.52E-06	3.45E-03	4.32E-03
1902	495311.06, 3859251.99	0.05784	0.04969	0.06024	8.88E-04	3.62E-06	1.62E-03	0.002507	9.07E-04	3.56E-06	1.80E-03	2.71E-03	8.62E-04	4.52E-06	3.45E-03	4.32E-03
1903	495361.06, 3859251.99	0.05758	0.04951	0.05997	8.84E-04	3.60E-06	1.61E-03	0.002496	9.03E-04	3.55E-06	1.79E-03	2.70E-03	8.58E-04	4.50E-06	3.44E-03	4.30E-03
1904	495411.06, 3859251.99	0.05768	0.04965	0.0601	8.85E-04	3.61E-06	1.61E-03	0.002501	9.04E-04	3.56E-06	1.79E-03	2.70E-03	8.59E-04	4.52E-06	3.44E-03	4.31E-03
1905	495461.06, 3859251.99	0.05739	0.04943	0.05979	8.81E-04	3.60E-06	1.60E-03	0.002488	9.00E-04	3.54E-06	1.78E-03	2.69E-03	8.55E-04	4.50E-06	3.43E-03	4.28E-03
1906	495511.06, 3859251.99	0.05665	0.04883	0.05913	8.69E-04	3.55E-06	1.59E-03	0.002459	8.88E-04	3.50E-06	1.76E-03	2.66E-03	8.44E-04	4.44E-06	3.39E-03	4.24E-03
1907	495561.06, 3859251.99	0.05625	0.04852	0.05858	8.63E-04	3.53E-06	1.57E-03	0.002438	8.82E-04	3.48E-06	1.75E-03	2.63E-03	8.38E-04	4.41E-06	3.36E-03	4.20E-03
1908	495611.06, 3859251.99	0.05562	0.04801	0.05791	8.53E-04	3.49E-06	1.55E-03	0.00241	8.72E-04	3.44E-06	1.73E-03	2.60E-03	8.29E-04	4.37E-06	3.32E-03	4.15E-03
1909	495661.06, 3859251.99	0.05522	0.0477	0.05748	8.47E-04	3.47E-06	1.54E-03	0.002392	8.66E-04	3.42E-06	1.71E-03	2.58E-03	8.23E-04	4.34E-06	3.29E-03	4.12E-03
1910	494311.06, 3859301.99	0.074	0.06207	0.07718	1.14E-03	4.52E-06	2.07E-03	0.00321	1.16E-03	4.45E-06	2.30E-03	3.47E-03	1.10E-03	5.65E-06	4.42E-03	5.53E-03
1911	494361.06, 3859301.99	0.07316	0.06151	0.07632	1.12E-03	4.48E-06	2.05E-03	0.003174	1.15E-03	4.41E-06	2.28E-03	3.43E-03	1.09E-03	5.60E-06	4.37E-03	5.47E-03
1912	494411.06, 3859301.99	0.07208	0.06075	0.07522	1.11E-03	4.42E-06	2.02E-03	0.003128	1.13E-03	4.35E-06	2.24E-03	3.38E-03	1.07E-03	5.53E-06	4.31E-03	5.39E-03
1913	494461.06, 3859301.99	0.07099	0.05996	0.0741	1.09E-03	4.36E-06	1.99E-03	0.003081	1.11E-03	4.30E-06	2.21E-03	3.33E-03	1.06E-03	5.45E-06	4.24E-03	5.31E-03
1914	494511.06, 3859301.99	0.07002	0.05927	0.0731	1.07E-03	4.31E-06	1.96E-03	0.003039	1.10E-03	4.25E-06	2.18E-03	3.28E-03	1.04E-03	5.39E-06	4.19E-03	5.24E-03
1915	494561.06, 3859301.99	0.06925	0.05872	0.0723	1.06E-03	4.27E-06	1.94E-03	0.003006	1.09E-03	4.21E-06	2.16E-03	3.25E-03	1.03E-03	5.34E-06	4.14E-03	5.18E-03
1916	494611.06, 3859301.99	0.0684	0.05809	0.07141	1.05E-03	4.23E-06	1.92E-03	0.002969	1.07E-03	4.16E-06	2.13E-03	3.21E-03	1.02E-03	5.28E-06	4.09E-03	5.11E-03
1917	494661.06, 3859301.99	0.06755	0.05746	0.07053	1.04E-03	4.18E-06	1.89E-03	0.002932	1.06E-03	4.12E-06	2.10E-03	3.17E-03	1.01E-03	5.23E-06	4.04E-03	5.05E-03
1918	494711.06, 3859301.99	0.06652	0.05666	0.06945	1.02E-03	4.12E-06	1.86E-03	0.002888	1.04E-03	4.06E-06	2.07E-03	3.12E-03	9.91E-04	5.15E-06	3.98E-03	4.97E-03
1919	494761.06, 3859301.99	0.06561	0.05594	0.0685	1.01E-03	4.07E-06	1.84E-03	0.002848	1.03E-03	4.01E-06	2.04E-03	3.08E-03	9.77E-04	5.09E-06	3.92E-03	4.91E-03
1920	494811.06, 3859301.99	0.06429	0.05487	0.0671	9.87E-04	3.99E-06	1.80E-03	0.00279	1.01E-03	3.93E-06	2.00E-03	3.01E-03	9.58E-04	4.99E-06	3.84E-03	4.81E-03
1921	494861.06, 3859301.99	0.06244	0.05332	0.06513	9.58E-04	3.88E-06	1.75E-03	0.002709	9.79E-04	3.82E-06	1.94E-03	2.93E-03	9.30E-04	4.85E-06	3.73E-03	4.67E-03
1922	494911.06, 3859301.99	0.06153	0.05257	0.06416	9.44E-04	3.83E-06	1.72E-03	0.002669	9.65E-04	3.77E-06	1.91E-03	2.88E-03	9.17E-04	4.78E-06	3.68E-03	4.60E-03
1923	494961.06, 3859301.99	0.05968	0.051	0.06219	9.16E-04	3.71E-06	1.67E-03	0.002587	9.36E-04	3.65E-06	1.86E-03	2.79E-03	8.89E-04	4.64E-06	3.56E-03	4.46E-03
1924	495011.06, 3859301.99	0.05901	0.05046	0.06148	9.06E-04	3.67E-06	1.65E-03	0.002558	9.25E-04	3.62E-06	1.83E-03	2.76E-03	8.79E-04	4.59E-06	3.52E-03	4.41E-03
1925	495061.06, 3859301.99	0.05979	0.05123	0.06237	9.17E-04	3.73E-06	1.67E-03	0.002594	9.37E-04	3.67E-06	1.86E-03	2.80E-03	8.91E-04	4.66E-06	3.57E-03	4.47E-03
1926	495111.06, 3859301.99	0.05886	0.05043	0.06135	9.03E-04	3.67E-06	1.65E-03	0.002552	9.23E-04	3.61E-06	1.83E-03	2.76E-03	8.77E-04	4.59E-06	3.51E-03	4.40E-03
1927	495161.06, 3859301.99	0.0587	0.05032	0.06116	9.01E-04	3.66E-06	1.64E-03	0.002545	9.20E-04	3.61E-06	1.82E-03	2.75E-03	8.74E-04	4.58E-06	3.50E-03	4.38E-03
1928	495211.06, 3859301.99	0.0589	0.05055	0.0614	9.04E-04	3.68E-06	1.65E-03	0.002554	9.23E-04	3.62E-06	1.83E-03	2.76E-03	8.77E-04	4.60E-06	3.52E-03	4.40E-03
1929	495261.06, 3859301.99	0.05884	0.05055	0.06135	9.03E-04	3.68E-06	1.65E-03	0.002552	9.23E-04	3.62E-06	1.83E-03	2.76E-03	8.77E-04	4.60E-06	3.51E-03	4.40E-03
1930	495311.06, 3859301.99	0.0582	0.05002	0.06067	8.93E-04	3.64E-06	1.63E-03	0.002524	9.13E-04	3.58E-06	1.81E-03	2.73E-03	8.67E-04	4.55E-06	3.48E-03	4.35E-03
1931	495361.06, 3859301.99	0.05823	0.05009	0.06071	8.94E-04	3.65E-06	1.63E-03	0.002525	9.13E-04	3.59E-06	1.81E-03	2.73E-03	8.67E-04	4.56E-06	3.48E-03	4.35E-03
1932	495411.06, 3859301.99	0.05803	0.04997	0.06052	8.90E-04	3.64E-06	1.62E-03	0.002517	9.10E-04	3.58E-06	1.81E-03	2.72E-03	8.64E-04	4.55E-06	3.47E-03	4.34E-03
1933	495461.06, 3859301.99	0.05792	0.04992	0.0604	8.89E-04	3.63E-06	1.62E-03	0.002512	9.08E-04	3.58E-06	1.80E-03	2.71E-03	8.63E-04	4.54E-06	3.46E-03	4.33E-03
1934	495511.06, 3859301.99	0.05735	0.04946	0.0598	8.80E-04	3.60E-06	1.60E-03	0.002488	8.99E-04	3.54E-06	1.78E-03	2.69E-03	8.54E-04	4.50E-06	3.43E-03	4.28E-03